



CITY OF BRIDGEPORT

(24-40)

File No. SEP 4 '24 PM 2:14

PLANNING & ZONING COMMISSION APPLICATION

RECVD IN THE BPT. ZONING DEPT. ON 9/4/24

- 1. NAME OF APPLICANT: 3561 Main Street LLC
2. Is the Applicant's name Trustee of Record? Yes No X
3. Address of Property: 12 Ochsner Place, Bridgeport, CT 06606
4. Assessor's Map Information: Block No. 89/2600A Lot No. 16
5. Amendments to Zoning Regulations: (indicate) Article: N/A Section:
6. Description of Property (Metes & Bounds): 50.02' x 26.42' x 16.05' x 95.92' x 50.00' x 139.97'
7. Existing Zone Classification: N4
8. Zone Classification requested: RX1
9. Describe Proposed Development of Property: The Applicant proposes to amend the zoning map to change the zoning designation of the Property from the N4 Zone to the RX1 Zone

Approval(s) requested: Zoning Map Amendment

Signature: Date: 08/27/2024
Print Name: Chris Russo

If signed by Agent, state capacity (Lawyer, Developer, etc.) Signature: Print Name: Chris Russo

Mailing Address: 10 Sasco Hill Road, Fairfield, CT 06824
Phone: 203-254-7579 Cell: 203-528-0590 Fax: 203-576-6626
E-mail Address: chris@russorizio.com

\$ Fee received Date: Clerk:

THIS APPLICATION MUST BE SUBMITTED IN PERSON AND WITH COMPLETED CHECKLIST

- Completed & Signed Application Form A-2 Site Survey Building Floor Plans
Completed Site / Landscape Plan Drainage Plan Building Elevations
Written Statement of Development and Use Property Owner's List Fee
Cert. of Incorporation & Organization and First Report (Corporations & LLC's)

PROPERTY OWNER'S ENDORSEMENT OF APPLICATION

3561 Main Street LLC 08/27/2024
Print Owner's Name Owner's Signature Date
Print Owner's Name Owner's Signature Date

Liya S. Broder*
LBroder@russorizio.com

Liam S. Burke
Liam@russorizio.com

Colin B. Connor
Colin@russorizio.com

William J. Fitzpatrick, III
WFitzpatrick@russorizio.com

Amanda T. Heffernan
Amanda@russorizio.com

David K. Kurata
DKurata@russorizio.com

Stanton H. Lesser+
Stanton@russorizio.com

Victoria L. Miller*
Victoria@russorizio.com

Anthony J. Novella*
Anovella@russorizio.com



10 Sasco Hill Road
Fairfield, CT 06824

Tel 203-254-7579 or 203-255-9928 Fax 203-576-6626

5 Brook St., Suite 2B
Darien, CT 06820
Tel 203-309-5500

299 Broadway, Suite 708
New York, NY 10007
Tel 646-357-3527

110 Merchants Row, Suite 3
Rutland, VT 05702
Tel 802-251-6556

www.russorizio.com

Leah M. Parisi
Leah@russorizio.com

William M. Petroccio*
WPetro@russorizio.com

Raymond Rizio*
Ray@russorizio.com

Christopher B. Russo
Chris@russorizio.com

Robert D. Russo*
Rob@russorizio.com

John J. Ryan+
John@russorizio.com

Jane Ford Shaw
Jane@russorizio.com

Vanessa R. Wambolt
Vanessa@russorizio.com

* Also Admitted in NY
* Also Admitted in VT
+ Of Counsel

August 29, 2024

Paul Boucher
Zoning Administrator
Zoning Department
45 Lyon Terrace
Bridgeport, CT 06604
HAND-DELIVERED

Re: Petition for Zone Change – 12 Ochsner Place

Dear Mr. Boucher:

Please accept the following narrative and enclosed application materials as part of an application for a zone change under the Bridgeport Zoning Regulations (the “Regulations”) for the property located at 12 Ochsner Place (the “Site”) to change the zone from N4 Zone to the RX1 Zone.

Narrative

The Site is currently located in the N4 Zone. The Applicant proposes to convert the Site to the RX1 Zone, which is located to the west, north and south of the Site. In fact, the RX1 extends further eastward than the Site on the property to the Site’s south. The Site is located south of the Merritt Parkway and just below the City’s border with Trumbull. The Site only has frontage on Ochsner Place, but it is in common ownership with properties to its west, which front Main Street.

The Site is located in a transition area with a mix of uses of zones in the area, including the RX1, RX2, MX1 and MX2 Zones. Commercial properties are located directly north, south, and west of the Site. The Site is obviously also located in proximity of one of the main commercial corridors in the City. Significant commercial uses are located in the area. Main Street is a vehicle-heavy corridor, but it does have an infrastructure of bus stops and sidewalks that can promote pedestrian activity. The sidewalks on Main Street extend down Ochsner place to the front of the Site where it then terminates. The sidewalks do not extend further eastward demonstrating the connectivity of the Site with its neighboring commercial properties.

Zone Change

The Petition satisfies the review and approval criteria for a zoning map amendment under Section 11.40.7 of the Regulations. The Petition is in conformity with the comprehensive plan as the Petition appropriately designates the Site within the RX1 Zone to which it conforms under the Regulations. Commercial zones, and particularly the RX1 Zone, are located directly abutting the Site on three of its four sides – west, north and south. The Site is connected to the properties along Main Street by sidewalks. In addition, the Site contains enough lot area to provide a significant buffer between the abutting commercial property and the neighboring residential areas. Under the Regulations, the RX1 Zone is intended for a mixed-use center with low intensity commercial uses and residential permitted to protect nearby residents. Combined with the other properties under similar ownership, the Site is easily accessible by City residents through pedestrian means. The nearby bus stops and sidewalks promote the pedestrian activity that is desired in the City's Plan of Conservation and Development ("POCD"). One of the POCD's Guiding Principles for Bridgeport as a "Livable City" holds that the commercial corridors have to remain "safe and attractive places for walking and bicycling." The POCD also acknowledges that economic activity in the City has slowed over the decades that have left Bridgeporters "wanting for businesses that support their daily needs as well as an occasional shopping trip." The Application will promote a continuous commercial corridor by extending the RX1 Zone east as deep from Main Street as the properties to the north and south. With additional area, the Site will be able to support development of the properties bordering Main Street while providing sufficient area for buffering to protect nearby residents.

For the above-stated reasons, the Application satisfies all the applicable standards for a change in zone under the Regulations and the Applicant respectfully requests its approval.

Sincerely,



Chris Russo
Attorney for Applicant

PROPERTY OWNERS LOCATED WITHIN 100' OF 12 OCHSNER PLACE

LOCATION	OWNER NAME	ADDRESS	CITY	STATE	ZIP
4934 MAIN ST	JJ INVESTMENTS LLC	PO BOX 110553	TRUMBULL	CT	06611
4920 MAIN ST	CENTURION HOLDINGS 1 INC	4920 MAIN ST	BRIDGEPORT	CT	06606
4942 MAIN ST	REI LLC	15 SOUNDVIEW DRIVE	WOODBIDGE	CT	06525
10 OCHSNER PL	REI LLC	15 SOUNDVIEW DRIVE	WOODBIDGE	CT	06525
12 OCHSNER PL	3561 MAIN STREET LLC	15 SOUNDVIEW DRIVE	WOODBIDGE	CT	06525
36 OCHSNER PL	PISKURA JOSEPH P JR & MARY FRANCES	36 OCHSNER PL	BRIDGEPORT	CT	06606
4950 MAIN ST	4950 MAIN STREET LLC	58 FIREHOUSE ROAD	TRUMBULL	CT	06611
43 OCHSNER PL	MADAR ROBERT K & LYNN M MADAR	19 OCHSNER PL	TRUMBULL	CT	06611
20 OCHSNER PL	MELENDEZ JESSICA	20 OCHSNER PL	BRIDGEPORT	CT	06606

3561 MAIN STREET LLC ACTIVE

15 SOUNDVIEW DRIVE, WOODBRIDGE, CT, 06525, United States

BUSINESS DETAILS

Business Details

General Information

Business Name

3561 MAIN STREET LLC

Business status

ACTIVE

Citizenship/place of formation

Domestic/Connecticut

Business address

15 SOUNDVIEW DRIVE, WOODBRIDGE, CT, 06525, United States

Annual report due

3/31/2025

NAICS code

Other Activities Related to Real Estate (531390)

Business ALEI

0625581

Date formed

7/14/1999

Business type

LLC

Mailing address

PO BOX 110553 PO BOX 110553, TRUMBULL, CT, 06611, United States

Last report filed

2024

NAICS sub code

531390

Principal Details

Principal Name

MARK GREENGARDEN

Principal Title

MEMBER

Principal Business address

15 SOUNDVIEW DRIVE, WOODBRIDGE, CT, 06525, United States

Principal Residence address

15 SOUNDVIEW DR., WOODBRIDGE, CT, 06525, United States

Principal Name

JONATHAN GREENGARDEN

Principal Title

MEMBER

Principal Business address

15 SOUNDVIEW DRIVE, WOODBRIDGE, CT, 06525, United States

Principal Residence address

15 SOUNDVIEW DRIVE, WOODBRIDGE, CT, 06525, United States

Agent details

Agent name

MARK GREENGARDEN

Agent Mailing address

15 SOUNDVIEW DRIVE, WOODBRIDGE, CT, 06525, United States

Agent Residence addresss

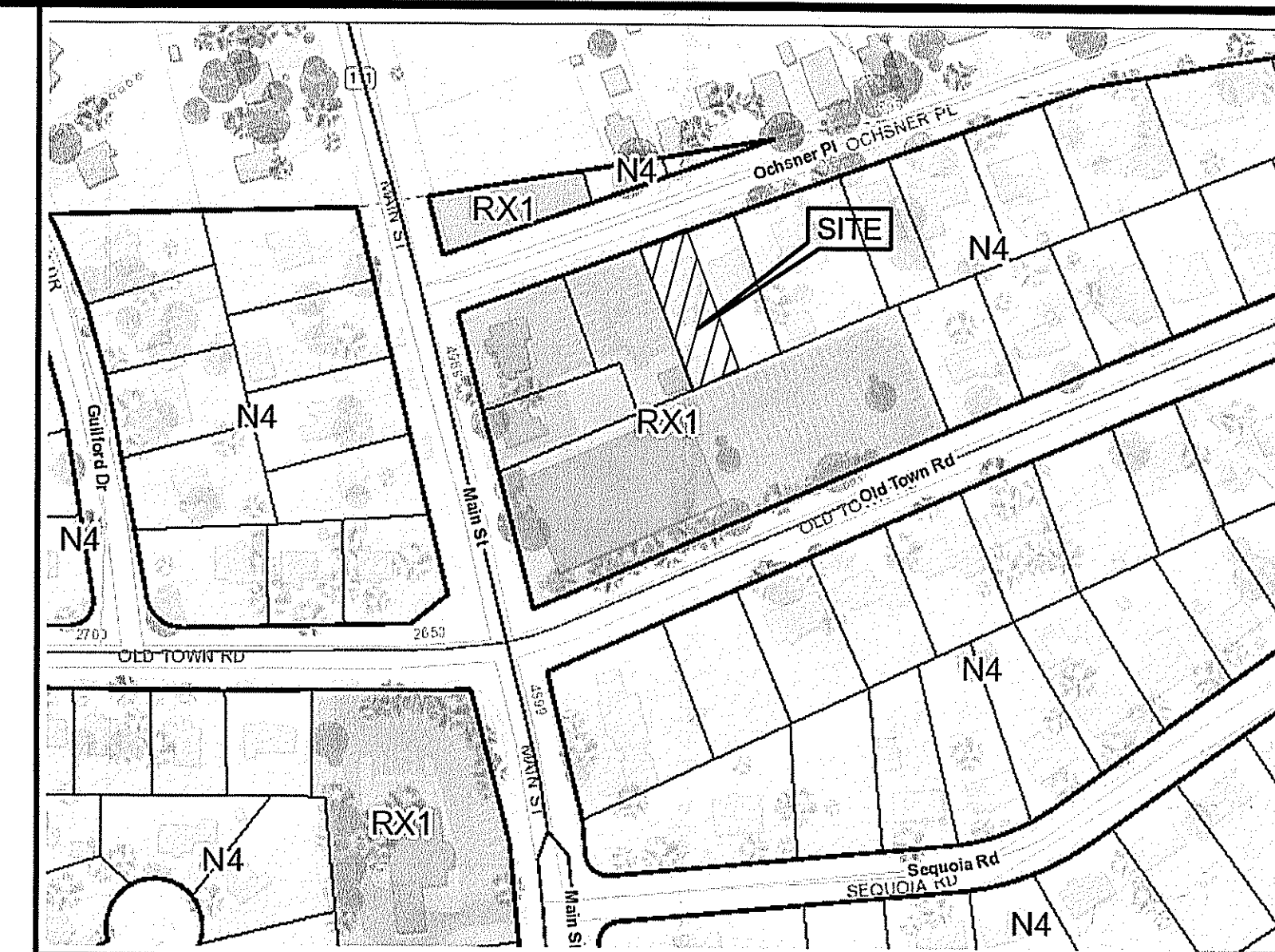
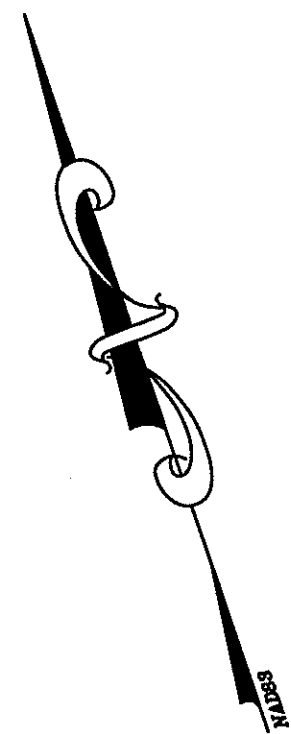
15 SOUNDVIEW DR , WOODBRIDGE, CT, 06525, United States

Filing History

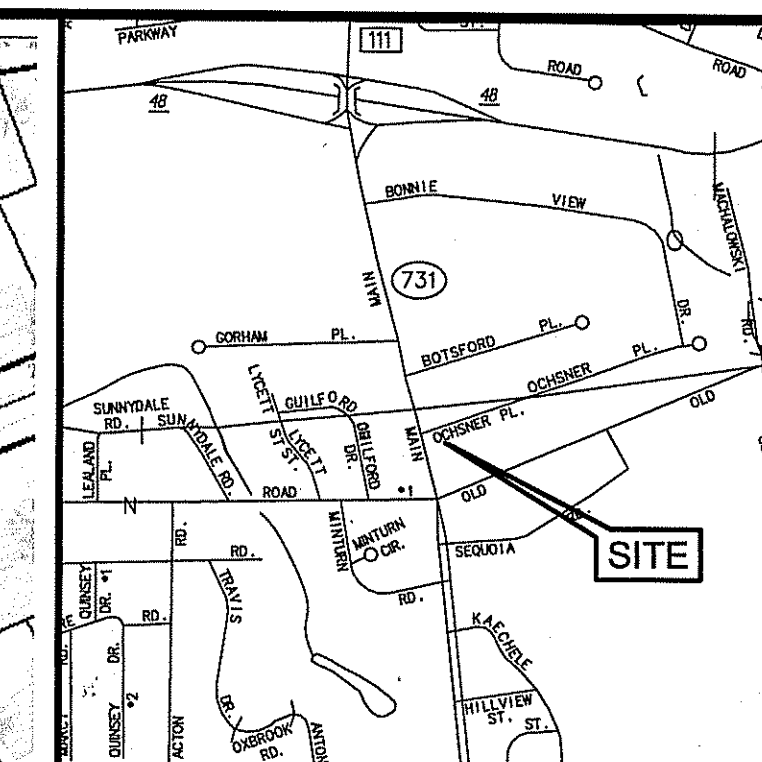


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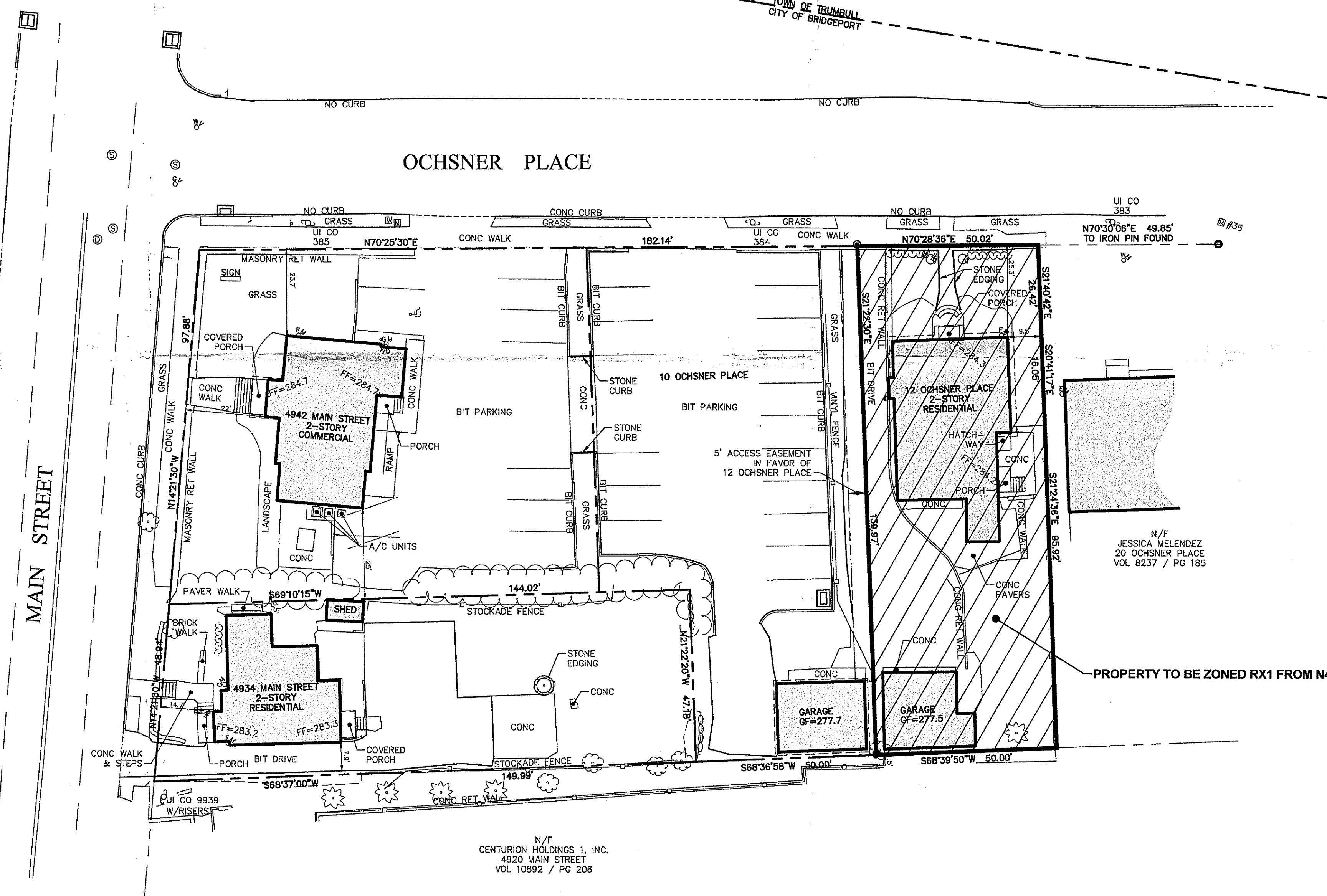
Business Formation - Certificate of Organization 0001998186
Filing date: 7/14/1999
Filing time:



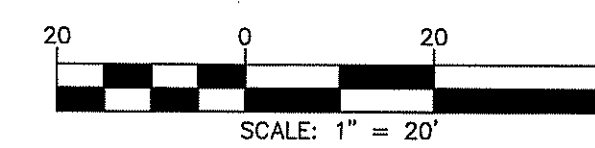
ZONE MAP
NOT TO SCALE



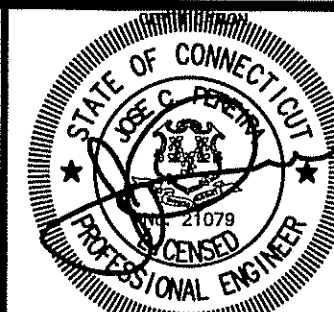
LOCATION MAP
NOT TO SCALE



LEGEND			
---	PROPERTY LINE	---550---	CONTOURS
---	RIGHT OF WAY	X 621.5	SPOT ELEVATION
---	EASEMENT LINE	○	CONIFEROUS TREE
---	STONE WALL	○	DECIDUOUS TREE
---	STRUCTURE	○	BUSH
---	EDGE OF PAVEMENT	○	CHAIN LINK FENCE
⊕	TEST BORING	○	WOOD FENCE
□	CATCH BASIN	○	GUIDERAIL
⊙	STORM MANHOLE	○	LIGHT POLE
⊙	SANITARY MANHOLE	○	UTILITY POLE
W	WATER	○	HYDRANT
G	GAS	○	WATER VALVE
E	ELECTRIC	○	GAS VALVE
T	TELEPHONE	○	MONUMENT FOUND
FO	FIBER OPTIC LINE	○	IRON PIPE OR PIN FOUND
OHW	OVERHEAD WRES	○	DRILL HOLE FOUND



PEREIRA
ENGINEERING, LLC
Civil • Environmental • Land Surveying
One Enterprise Drive, Suite 312 Phone: (203) 944-9944
Shelton, CT 06484 Fax: (203) 944-9945



REVISIONS			
NO.	BY	DATE	REMARKS

DES JPR
DWN JPR
CKD JCP

PREPARED FOR
MARK GREENGARDEN
FOR PROPERTY LOCATED AT
12 OCHSNER PLACE
BRIDGEPORT, CONNECTICUT

PROJECT TITLE
ZONE CHANGE MAP
12 OCHSNER PLACE
SCALE: 1"=20'

DATE AUGUST 27, 2024
C SHEET 1 OF 1
CAD REF. NO. 0257ZC



**PLANNING & ZONING COMMISSION
APPLICATION**

RECVD IN THE BPT. ZONING
DEPT. ON 9/18/24

- 1. NAME OF APPLICANT: Habitat for Humanity of Coastal Fairfield County
 - 2. Is the Applicant's name Trustee of Record? Yes X No _____
If yes, a sworn statement disclosing the Beneficiary shall accompany this application upon filing.
 - 3. Address of Property: 243 Deforest Ave. Bridgeport, CT 06607
(number) (street) (state) (zip code)
 - 4. Assessor's Map Information: Block No. 611 Lot No. 13
 - 5. Amendments to Zoning Regulations: (indicate) Article: _____ Section: _____
(Attach copies of Amendment)
 - 6. Description of Property (Metes & Bounds): 75.40' x 98.87' x 75.40' x 98.99'
 - 7. Existing Zone Classification: NX2
 - 8. Zone Classification requested: _____
 - 9. Describe Proposed Development of Property: Residential: 3-unit row type building
- Approval(s) requested: CAM approval

Signature: *Kevin Moore* Date: 8-23-2024
Print Name: Kevin Moore

If signed by Agent, state capacity (Lawyer, Developer, etc.) Signature: *Kevin Moore*
Print Name: Kevin Moore, COO

Mailing Address: 1785 Stratford Ave. Stratford, CT 06615
Phone: (203) 209-5596 Cell: (203) 209-5596 Fax: _____
E-mail Address: kmoore@habitatcfc.org

\$ _____ Fee received Date: _____ Clerk: _____

THIS APPLICATION MUST BE SUBMITTED IN PERSON AND WITH COMPLETED CHECKLIST

- Completed & Signed Application Form
- Completed Site / Landscape Plan
- Written Statement of Development and Use
- Cert. of Incorporation & Organization and First Report (Corporations & LLC's)
- A-2 Site Survey
- Drainage Plan
- Property Owner's List
- Building Floor Plans
- Building Elevations
- Fee

PROPERTY OWNER'S ENDORSEMENT OF APPLICATION

KEVIN MOORE, COO *Kevin Moore* 8/23/2024
 Print Owner's Name Owner's Signature Date

 Print Owner's Name Owner's Signature Date



August 23, 2024

Paul Boucher
Zoning Administrator
Zoning Department
City Hall
45 Lyon Terrace, Room 210
Bridgeport, CT 06604

Planning and Zoning Commission:

Please find enclosed an application for Coastal Area Management review for a 3-unit row home.

We are additionally seeking zoning variances related to the location of the garage entry doors on the front of the building. Specifically, we are seeking a variance from the requirement that the garage façade must be located at least 15' behind the primary façade. Additionally, we are seeking a variance for the 3 curb cuts/driveway entrances. This property's location in a flood plain requires elevating the first floor living space significantly so providing the parking below the homeownership units accessed through the front garage doors is logical and preserves more rear yard space for the homeowners. We think this property's unique setting in a flood plain which requires elevating the living spaces creates a clear hardship.

Our desire is to develop there 3 homeownership units for hard-working Bridgeport families and help combat the city's lack of affordable homeownership units.

At Habitat for Humanity of Coastal Fairfield County (Habitat CFC) we've built 284 homes in partnership with hardworking low-income home buyers over our 39-year history. Most of those homes are within the City of Bridgeport near the proposed development. In fact, Habitat CFC has completed and sold four other homeownership units on Clifford Street within the last year or so. Habitat homeowners purchase their homes with interest-free mortgages and provide "partnership equity" helping to build their homes alongside our committed volunteers.

We hope the Zoning Board of Appeals will grant these reasonable variances so Habitat CFC can continue its important work and transform this property into two beautiful homes for deserving Bridgeport families.

Thank you.

Yours in Partnership,

Kevin Moore

Kevin Moore
Chief Operating Officer



Property Abutters within 100' or 243 Deforest Ave. Bridgeport, CT 06607

Property Address	Owner	Owner's mailing address	City/Town, State Zip Code
249 DEKALB AV	SZALAN JOHN T	203 DEKALB AVE	BRIDGEPORT, CT 06607
262 DEFOREST AV	NEW WAVE HOLDINGS LLC	82 UNION AVE	NEW ROCHELLE, NY 10801
252 DEFOREST AV	BAKER ANDRE	985 STRATFORD AVE	BRIDGEPORT, CT 06607
234 DEFOREST AV	REID GLADYS & ROGER REID (EST)	62 HARVARD AVE	SHELTON, CT 06484
228 DEFOREST AV	TORRES JOHN C	228 DEFOREST AV	BRIDGEPORT, CT 06607-2413
216 DEFOREST AV #218	WALLACE EDGAR NICOLE	216 DEFOREST AVE	BRIDGEPORT, CT 06607
275 DEFOREST AV	DEFOREST DEVELOPERS LLC	348 OLD ZOAR RD	MONROE, CT 06468
257 DEFOREST AV	GIACOBBE JOHN A/K/A GIOVANNI &	348 OLD ZOAR RD	MONROE, CT 06468
231 DEFOREST AV	BRYAN MADGE P	231 DEFOREST AV	BRIDGEPORT, CT 06607-2414
225 DEFOREST AV	VELEZ MANUEL	225 DEFOREST AVE	BRIDGEPORT, CT 06607
221 DEFOREST AV	KAUMB ROBERT M & SUZANNE	221 DEFOREST AVE	BRIDGEPORT, CT 06607
270 ADAMS ST #272	ALVES ANNA MARIA & JAMES K JACKSON	270 ADAMS ST #272	BRIDGEPORT, CT 06607
217 DEFOREST AV	KOBI 2 LLC	1018 W COUNTY LINE RD	LAKEWOOD, NJ 08701
262 ADAMS ST	MESSIAS DEAN	262 ADAMS ST	BRIDGEPORT, CT 06607
242 ADAMS ST	ROMERO WILSON S & EDWIN F S	242 ADAMS ST	BRIDGEPORT, CT 06607-2403
238 ADAMS ST #240	DEVANE LEE GWENDOLYN	238 ADAMS ST	BRIDGEPORT, CT 06607
220 ADAMS ST #222	MORRIS MARCIA M	220 ADDAMS STREET	BRIDGEPORT, CT 06607
206 ADAMS ST	FORTE BERNICE	206 ADAMS ST	BRIDGEPORT, CT 06607

AMENDED AND RESTATED CERTIFICATE OF INCORPORATION
NONSTOCK CORPORATION

STATE OF CONNECTICUT
SECRETARY OF THE STATE

HABITAT FOR HUMANITY
OF GREATER BRIDGEPORT CONNECTICUT, INC.

The Certificate of Incorporation of Habitat for Humanity of Greater Bridgeport, Connecticut, Inc., a Connecticut Nonstock Corporation, is hereby Amended and Restated as follows:

ARTICLE I

The name of the Corporation is Habitat for Humanity of Coastal Fairfield County, Inc.

ARTICLE II

The nature of the activities to be conducted, or the purposes to be promoted or carried out by the Corporation, are to engage in any or all acts in which a nonprofit corporation organized under the Connecticut Revised Nonstock Corporation Act and operated exclusively for one or more of those purposes specified in Section 501(c)(3) of the Internal Revenue Code of 1986 (or the corresponding section of any future federal tax code) may lawfully engage which may be directly or indirectly necessary or proper to accomplish the following:

1. To construct and/or rehabilitate housing for low income families;
2. To hold title to real estate;
3. To enter into contracts and to purchase, mortgage and sell real estate;
4. To do all things necessary to accomplish the foregoing purposes.

ARTICLE III

The Corporation will have no members.

AMENDED AND RESTATED CERTIFICATE OF INCORPORATION

NONSTOCK CORPORATION

ARTICLE IX

For the regulation and management of the affairs of the Corporation and in further definition and regulation of the powers of the Corporation, its officers and directors, it is further provided:

1. The management of the Corporation shall be vested in the board of directors which shall take final action on all major questions of policy and general plans and shall be ultimately responsible for the administration of the Corporation.
2. The board of directors shall be self-perpetuating. The number of directors of the Corporation, the length of their term of office, and provisions for the election, removal or replacement of directors shall be as specified in the bylaws of the Corporation. The selection of directors need not be by ballot.
3. The directors shall receive no compensation for their services.
4. The officers of the Corporation, and their respective duties shall be as prescribed by the bylaws.
5. The board of directors may provide for such standing committees, ad hoc committees or committees of the whole, and advisory boards as it may deem appropriate for the implementation of the work of the Corporation, in its discretion, and the powers and duties of all committees and advisory boards shall be as prescribed by the bylaws.
6. The board of directors shall adopt bylaws for defining and regulating the exercise of its powers and duties.
7. In addition to the powers hereinbefore or by statute expressly conferred upon it, the board of directors may exercise all such powers and do all such acts and things as may be exercised or done by the Corporation, subject, nevertheless to the provisions of the laws of the State of Connecticut, the Certificate of Incorporation and the bylaws of the Corporation.
8. The personal liability of any director of the Corporation for monetary damages for breach of duty as a director is hereby limited to the amount of the compensation received by the director for serving the Corporation during the year of the violation if such breach did not (a) involve a knowing and culpable violation of law by the director, (b) enable the director or associate to receive an improper personal economic gain, (c) show a lack of good faith and a conscious disregard for the duty of the director to the Corporation under circumstances in which the director was aware that his or her conduct or omission created an unjustifiable risk of serious injury to the Corporation, or (d) constitute a sustained and unexcused pattern of inattention that

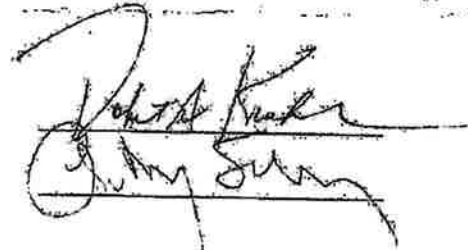
CERTIFICATE OF INCORPORATION
NONSTOCK CORPORATION

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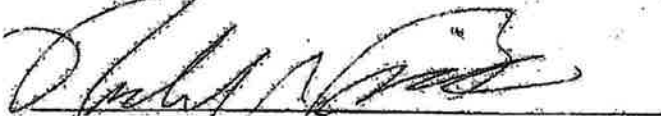
EXECUTION

Dated this 29th day of January, 2006.

Robert Knebel President and Chief Executive Officer
Albert H. Schilling Chairman of the Board



Acceptance of appointment as Registered Agent:



Richard S. Gibbons

ACCEPTED AND AGREED TO BE
REGISTERED AS REGISTERED AGENT
I, the undersigned, do hereby
accept and agree to be
registered as registered agent
of the above named corporation
and to perform the duties
of a registered agent for the
same in accordance with the
provisions of the General
Statutes of the State of
Connecticut.

(24-43)



ENGINEERS & SURVEYORS · 78 ELM STREET · BRIDGEPORT, CONNECTICUT 06604

**APPLICATION FOR REVIEW
OF COASTAL SITE PLANS**

PREPARED FOR:

**Habitat of Humanity of
Costal Fairfield County, Inc.**

**243 Deforest Avenue
BRIDGEPORT, CONNECTICUT**

August 29, 2024

Prepared by: Washington Cabezas, Jr., PE, LS
CT License No. PEL 70210



A handwritten signature in black ink, appearing to read 'Washington Cabezas, Jr.', written over a horizontal line.



TABLE OF CONTENTS

Project Narrative

CAM Application Form

Figure A – Location Map

Figure B – FEMA Firm Map

Figure C – Coastal Resource Map

*(Per Coastal Master Plan of Bridgeport, Connecticut
On file City of Bridgeport Engineering Department)*

Figure D – Zone Map



PROJECT NARRATIVE

This parcel is located at 243 DeForest Avenue known as Lot 13 on Map 23, Block 611; is Zoned NX2 and found in Zone AE (Elev. 13; Elev. 27.6 Bridgeport Datum) FEMA Panel 441 of 626, Map Number 09001C441G, Map Revised July 8, 2013.

The parcel is within the Johnson's Creek and Bridgeport Harbor Coastal Area Management Zone per Coastal Master Plan of Bridgeport, Connecticut (Sheet 3 of 4) found on file in the City of Bridgeport Engineering Department.

Presently 243 DeForest Avenue is a vacant lot with overgrown vegetated areas. The parcel is relatively flat with a grade change of approximately one foot in an east-west direction. This parcel has access to public sewers, water, gas and electric. Proposed vehicular access is proposed from DeForest Avenue.

The developer, Habitat of Humanity of Coastal Fairfield County, proposes to construct a three story, three-unit NFIP compliant dwelling. At the front of each unit will be a roofed landing with steps to grade and a walkway to DeForest Avenue. There is a twelve-foot-wide driveway proposed for each unit for a total of three driveways. Each driveway will provide access for each unit's corresponding garage. The minimum required number of flood openings is proposed at the enclosure area to be one-foot maximum above grade.

There is presently no stormwater treatment found on this parcel. A storm drainage system consisting of twelve infiltration chambers embedded in crushed stone beds has been designed at the northerly yard areas and three crushed stone infiltration beds at the southerly side of the lot under each driveway and will treat the storm water run-off from the proposed roofed areas and driveways. The proposed stormwater system implements best management practices to aid in storm water quality and quantity. The site will also be improved by the proposed lawn areas.



City of Bridgeport
Zoning Department
PLANNING AND ECONOMIC DEVELOPMENT

45 Lyon Terrace • Bridgeport, Connecticut 06604
Telephone (203) 576-7217
Fax (203) 576-7213

Application Form
Municipal Coastal Site Plan Review
For Projects Located Fully or Partially Within the Coastal Boundary

Please complete this form in accordance with the attached instructions and submit it with the appropriate plans to appropriate **municipal agency**.

Section I: Applicant Identification

Applicant: <u>Habitat for Humanity of Coastal Fairfield County</u>	Date: <u>8/29/2024</u>
Address: <u>1785 Stratford Avenue, Stratford, CT 06615</u>	Phone: <u>203-383-4358</u>
Project Address or Location: <u>243 Deforest Avenue</u>	
Interest in Property: <input checked="" type="checkbox"/> free simple <input type="checkbox"/> option <input type="checkbox"/> lessee <input type="checkbox"/> easement	
<input type="checkbox"/> other (specify) _____	
List primary contact for correspondence if other than applicant:	
Name: <u>Mr. Mathew Slattery, Director of Construction</u>	
Address: <u>1785 Stratford Avenue</u>	
City/Town: <u>Stratford</u>	State: <u>CT</u> Zip Code: <u>06615</u>
Business Phone: <u>203-383-4358</u>	
e-mail: <u>msslattery@habitatcfc.org</u>	

Section II: Project Site Plans

Please provide project site plans that clearly and accurately depict the following information, and check the appropriate boxes to indicate that the plans are included in this application:

- Project location
- Existing and proposed conditions, including buildings and grading
- N/A Coastal resources on and contiguous to the site
- High tide line [as defined in CGS Section 22a-359(c)] and mean high water mark elevation contours (for parcels abutting coastal waters and/or tidal wetlands only)
- Soil erosion and sediment controls
- Stormwater treatment practices
- Ownership and type of use on adjacent properties
- Reference datum (i.e., National Geodetic Vertical Datum, Mean Sea Level, etc.)

Section III: Written Project Information

Please check the appropriate box to identify the plan or application that has resulted in this Coastal Site Plan Review:

- Site Plan for Zoning Compliance
- Subdivision or Resubdivision
- Special Permit or Special Exception
- Variance
- Municipal Project (CGS Section 8-24)

Part I: Site Information

1. Street Address or Geographical Description: 243 Deforest Avenue
Bridgeport, Connecticut

City or Town:
2. Is project or activity proposed at a waterfront site (includes tidal wetlands frontage)? YES NO
3. Name of on-site, adjacent or downstream coastal, tidal or navigable waters, if applicable:
Johnson's Creek and Bridgeport Harbor
4. Identify and describe the existing land use on and adjacent to the site. Include any existing structures, municipal zoning classification, significant features of the project site:
Existing land use for this site was a vacant lot and the proposed will be residential for three-family.
Present land use adjacent to and across the street from 243 Deforest Avenue is a mix of multi-family and single-family (between one- and four-family dwellings).
5. Indicate the area of the project site: 7,458±sf acres or square feet (circle one)
6. Check the appropriate box below to indicate total land area of disturbance of the project or activity (please also see Part II.B. regarding proposed stormwater best management practices):
 - Project or activity will disturb 5 or more total acres of land area on the site. It may be eligible for registration for the Department of Environmental Protection's (DEP) General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities
 - Project or activity will disturb one or more total acres but less than 5 total acres of land area. A soil erosion and sedimentation control plan must be submitted to the municipal land use agency reviewing this application.
 - Project or activity will not disturb 1 acre total of land area. Stormwater management controls may be required as part of the coastal site plan review.
7. Does the project include a shoreline flood and erosion control structure as defined in CGS section 22a-109(d) Yes No

Part II.A.: Description of Proposed Project or Activity

Describe the proposed project or activity including its purpose and related activities such as site clearing, grading, demolition, and other site preparations; percentage of increase or decrease in impervious cover over existing conditions resulting from the project; phasing, timing and method of proposed construction; and new uses and changes from existing uses (attach additional pages if necessary):

The project consists of the construction of a three-story, three-unit building. Each unit will be served by the use of its own driveway proposed at the front of the building. A storm water infiltration system is proposed for the building and driveways. All construction will be confined to the existing property boundary using perimeter silt fencing as a barrier. Construction is anticipated to be completed within twelve (12) months from commencement. Activity will be overseen by Habitat For Humanity - an organization well versed and experienced with the management of construction for single- and multi-family construction. This property will be developed in keeping with the integrity of this zone.

Part II.B.: Description of Proposed Stormwater Best Management Practices

Describe the stormwater best management practices that will be utilized to ensure that the volume of runoff generated by the first inch of rainfall is retained on-site, especially if the site or stormwater discharge is adjacent to tidal wetlands. If runoff cannot be retained on-site, describe the site limitations that prevent such retention and identify how stormwater will be treated before it is discharged from the site. Also demonstrate that the loadings of total suspended solids from the site will be reduced by 80 percent on an average annual basis, and that post-development stormwater runoff rates and volumes will not exceed pre-development runoff rates and volumes (attach additional pages if necessary):

Storm water run-off from the structure will be treated with a sub-grade stormwater infiltration system. The primary stormwater treatment will be implemented as to Stormwater Best Management Practice. Stormwater run-off will also be improved by the planting of new lawn areas which will also aid in the attenuation of storm water run-off. Pre- and post-development stormwater run-off rates and volumes were computed using the TR-55 method. Water quality volume (WQV) was determined using methods as outlined in CT DEEP Stormwater Quality Manual (SWQM). This primary treatment method will remove at least 80% of the average annual total suspended solids (TSS) load.

Part III: Identification of Applicable Coastal Resources and Coastal Resource Policies

Identify the coastal resources and associated policies that apply to the project by placing a check mark in the appropriate box(es) in the following table.

Coastal Resources	On-site	Adjacent	Off-site but within the influence of project	Not Applicable
General Coastal Resources* - Definition: CGS Section 22a-93(7); Policy: CGS Section 22a-92(a)(2)	X	X	X	
Beaches & Dunes - Definition: CGS Section 22a-93(7)(C); Policies: CGS Sections 22a-92-(b)(2)(C) and 22a-92(c)(1)(K)				X
Bluffs & Escarpments - Definition: CGS Section 22a-93(7)(A); Policy: CGS Section 22a-92(b)(2)(A)				X
Coastal Hazard Area - Definition: CGS Section 22a-93(7)(H); Policies: CGS Sections 22a-92(a)(2), 22a-92(a)(5), 22a-92(b)(2)(F), 22a-92(b)(2)(J), and 22a-92(c)(2)(B)	X			
Coastal Waters, Estuarine Embayments, Nearshore Waters, Offshore Waters - Definition: CGS Sections 22a-93(5), 22a-93(7)(G), and 22a-93(7)(K), and 22a-93(7)(L) respectively; Policies: CGS Sections 22a-92(a)(2) and 22a-92(c)(2)(A)				X
Developed Shorefront - Definition: CGS Section 22a-93(7)(I); Policy: 22a-92(b)(2)(G)				X
Freshwater Wetlands and Watercourses - Definition: CGS Section 22a-93(7)(F); Policy: CGS Section 22a-92(a)(2)				X
Intertidal Flats - Definition: CGS Section 22a-93(7)(D); Policies: 22a-92(b)(2)(D) and 22a-92(c)(1)(K)				X
Islands - Definition: CGS Section 22a-93(7)(J); Policy: CGS Section 22a-92(b)(2)(H)				X
Rocky Shorefront - Definition: CGS Section 22a-93(7)(B); Policy: CGS Section 22a-92(b)(2)(B)				X
Shellfish Concentration Areas - Definition: CGS Section 22a-93(7)(N); Policy: CGS Section 22a-92(c)(1)(I)				X
Shorelands - Definition: CGS Section 22a-93(7)(M); Policy: CGS Section 22a-92(b)(2)(I)				X
Tidal Wetlands - Definition: CGS Section 22a-93(7)(E); Policies: CGS Sections 22a-92(a)(2), 22a-92(b)(2)(E), and 22a-92(c)(1)(B)				X

* General Coastal Resource policy is applicable to all proposed activities

Part IV: Consistency with Applicable Coastal Resource Policies and Standards

Describe the location and condition of the coastal resources identified in Part III above and explain how the proposed project or activity is consistent with all of the applicable coastal resource policies and standards; also see adverse impacts assessment in Part VII.A below (attach additional pages if necessary):

Complies w/ CGS 22a-92(a)(1) "...by promoting economic growth without significantly disrupting the environment..."

Complies w/ CGS 22a-92(b)(2)(F) "...manage coastal hazard areas to minimize hazards to property..."

Complies w/ CGS 22a-92(c)(2)(B) "...maintain patterns of water circulation in the placement of drainage control structures..."

Part V: Identification of Applicable Coastal Use and Activity Policies and Standards

Identify all coastal policies and standards in or referenced by CGS Section 22a-92 applicable to the proposed project or activity:

- General Development* - CGS Sections 22a-92(a)(1), 22a-92(a)(2), and 22a-92(a)(9)
- Water-Dependent Uses** - CGS Sections 22a-92(a)(3) and 22a-92(b)(1)(A);
Definition CGS Section 22a-93(16)
- Ports and Harbors - CGS Section 22a-92(b)(1)(C)
- Coastal Structures and Filling - CGS Section 22a-92(b)(1)(D)
- Dredging and Navigation - CGS Sections 22a-92(c)(1)(C) and 22a-92(c)(1)(D)
- Boating - CGS Section 22a-92(b)(1)(G)
- Fisheries - CGS Section 22a-92(c)(1)(I)
- Coastal Recreation and Access - CGS Sections 22a-92(a)(6), 22a-92(c)(1)(j) and 22a-92(c)(1)(K)
- Sewer and Water Lines - CGS Section 22a-92(b)(1)(B)
- Fuel, Chemicals and Hazardous Materials - CGS Sections 22a-92(b)(1)(C), 22a-92(b)(1)(E) and 22a-92(c)(1)(A)
- Transportation - CGS Sections 22a-92(b)(1)(F), 22a-92(c)(1)(F), 22a-92(c)(1)(G), and 22a-92(c)(1)(H)
- Solid Waste - CGS Section 22a-92(a)(2)
- Dams, Dikes and Reservoirs - CGS Section 22a-92(a)(2)
- Cultural Resources - CGS Section 22a-92(b)(1)(J)
- Open Space and Agricultural Lands - CGS Section 22a-92(a)(2)

* General Development policies are applicable to all proposed activities

** Water-dependent Use policies are applicable to all activities proposed at waterfront sites, including those with tidal wetlands frontage.

Part VI: Consistency With Applicable Coastal Use Policies And Standards

Explain how the proposed activity or use is consistent with all of the applicable coastal use and activity policies and standards identified in Part V. **For projects proposed at waterfront sites (including those with tidal wetlands frontage)**, particular emphasis should be placed on the evaluation of the project's consistency with the water-dependent use policies and standards contained in CGS Sections 22a-92(a)(3) and 22a-92(b)(1)(A) -- also see adverse impacts assessment in Part VII.B below (attach additional pages if necessary):

No adverse impacts were determined on off-site coastal resources. Stormwater treatment is proposed which will help reduce erosion impacts as well as provide water infiltration. This project will be limited to the confines of the site and will be completed within twelve (12) months. All disturbed areas will be loamed, seeded and planted upon completion of construction. The proposed residence will have new laterals to the existing street utilities.

Part VII.A.: Identification of Potential Adverse Impacts on Coastal Resources

Please complete this section for all projects.

Identify the adverse impact categories below that apply to the proposed project or activity. The Applicable column **must** be checked if the proposed activity has the **potential** to generate any adverse impacts as defined in CGS Section 22a-93(15). If an adverse impact may result from the proposed project or activity, please use Part VIII to describe what project design features may be used to eliminate, minimize, or mitigate the potential for adverse impacts.

Potential Adverse Impacts on Coastal Resources	Applicable	Not Applicable
Degrading tidal wetlands, beaches and dunes, rocky shorefronts, and bluffs and escarpments through significant alteration of their natural characteristics or functions - CGS Section 22a-93(15)(H)		✘
Increasing the hazard of coastal flooding through significant alteration of shoreline configurations or bathymetry, particularly within high velocity flood zones - CGS Section 22a-93(15)(E)		✘
Degrading existing circulation patterns of coastal water through the significant alteration of patterns of tidal exchange or flushing rates, freshwater input, or existing basin characteristics and channel contours - CGS Section 22a-93(15)(B)		✘
Degrading natural or existing drainage patterns through the significant alteration of groundwater flow and recharge and volume of runoff - CGS Section 22a-93(15)(D)		✘
Degrading natural erosion patterns through the significant alteration of littoral transport of sediments in terms of deposition or source reduction - CGS Section 22a-93(15)(C)		✘
Degrading visual quality through significant alteration of the natural features of vistas and view points - CGS Section 22a-93(15)(F)		✘
Degrading water quality through the significant introduction into either coastal waters or groundwater supplies of suspended solids, nutrients, toxics, heavy metals or pathogens, or through the significant alteration of temperature, pH, dissolved oxygen or salinity - CGS Section 22a-93(15)(A)		✘
Degrading or destroying essential wildlife, finfish, or shellfish habitat through significant alteration of the composition, migration patterns, distribution, breeding or other population characteristics of the natural species or significant alterations of the natural components of the habitat - CGS Section 22a-93(15)(G)		✘

Part VII.B.: Identification of Potential Adverse Impacts on Water-dependent Uses

Please complete the following two sections **only if the project or activity is proposed at a waterfront site**:

- Identify the adverse impact categories below that apply to the proposed project or activity. The **Applicable** column **must** be checked if the proposed activity has the **potential** to generate any adverse impacts as defined in CGS Section 22a-93(17). If an adverse impact may result from the proposed project or activity, use Part VIII to describe what project design features may be used to eliminate, minimize, or mitigate the potential for adverse impacts.

Potential Adverse Impacts on Future Water-dependent Development Opportunities and Activities	Applicable	Not Applicable
Locating a non-water-dependent use at a site physically suited for or planned for location of a water-dependent use - CGS Section 22a-93(17)		✘
Replacing an existing water-dependent use with a non-water-dependent use - CGS Section 22a-93(17)		✘
Siting a non-water-dependent use which would substantially reduce or inhibit existing public access to marine or tidal waters - CGS Section 22a-93(17)		✘

- Identification of existing and/or proposed Water-dependent Uses

Describe the features or characteristics of the proposed activity or project that qualify as water-dependent uses as defined in CGS Section 22a-93(16). If general public access to coastal waters is provided, please identify the legal mechanisms used to ensure public access in perpetuity, and describe any provisions for parking or other access to the site and proposed amenities associated with the access (e.g., boardwalk, benches, trash receptacles, interpretative signage, etc.):*

Not applicable as the parcel is not in the immediate vicinity of Johnson's Creek or Bridgeport Harbor and there is no water dependent use for this site. Proposed development will consist of a three-unit, side-by-side residence and driveways.

*If there are no water-dependent use components, describe how the project site is not appropriate for the development of a water-dependent use.

Part VIII: Mitigation of Potential Adverse Impacts

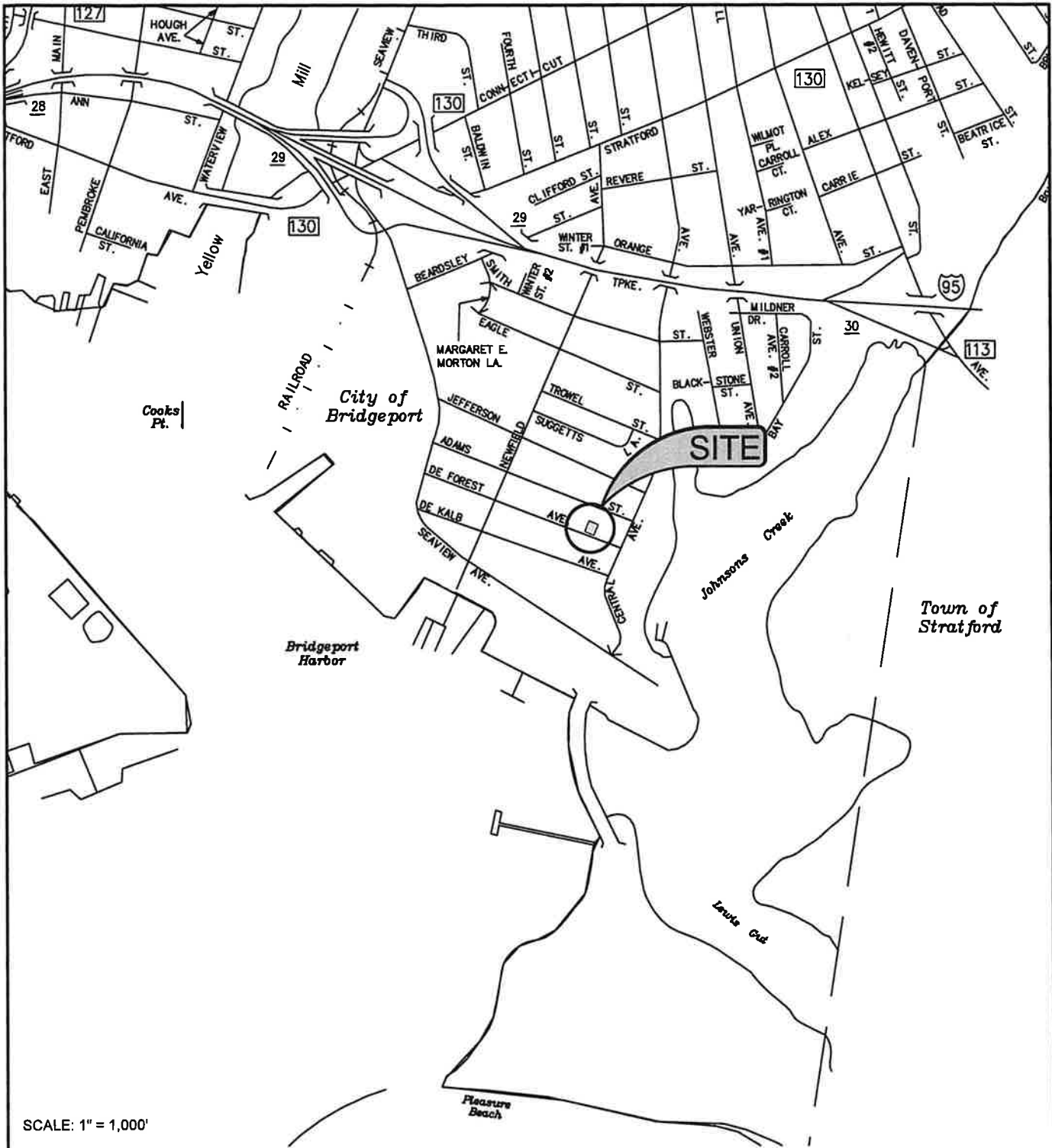
Explain how all potential adverse impacts on coastal resources and/or future water-dependent development opportunities and activities identified in Part VII have been avoided, eliminated, or minimized (attach additional pages if necessary):

No adverse impacts were determined on adjacent or nearby coastal resources. The proposed activity will be constructed with the appropriate soil erosion and control measures and will include the design of a storm drainage system to ensure there will be no adverse impact on the adjoining properties. New lawn areas will also reduce erosion and provide storm water infiltration.

Part IX: Remaining Adverse Impacts

Explain why any remaining adverse impacts resulting from the proposed activity or use have not been mitigated and why the project as proposed is consistent with the Connecticut Coastal Management Act (attach additional pages if necessary):

No adverse impacts resulting from the proposed activity is anticipated and appropriate measures will be utilized and designed as outlined above.



SCALE: 1" = 1,000'



78 ELM STREET, BRIDGEPORT, CT 06604
 P: 203 330 8700 • F: 203 330 8701



LOCATION MAP	
HABITAT FOR HUMANITY OF COASTAL FAIRFIELD COUNTY 243 DeFOREST AVENUE BRIDGEPORT, CONNECTICUT	
DATE: AUGUST 29, 2024	FIGURE A



SCALE: NTS

MAP NUMBER 09001C0441G. MAP REVISED JULY 8, 2013

**Cabezas
DeAngelis**
ENGINEERS & SURVEYORS

78 ELM STREET, BRIDGEPORT, CT 06604
P: 203 330 8700 • F: 203 330 8701

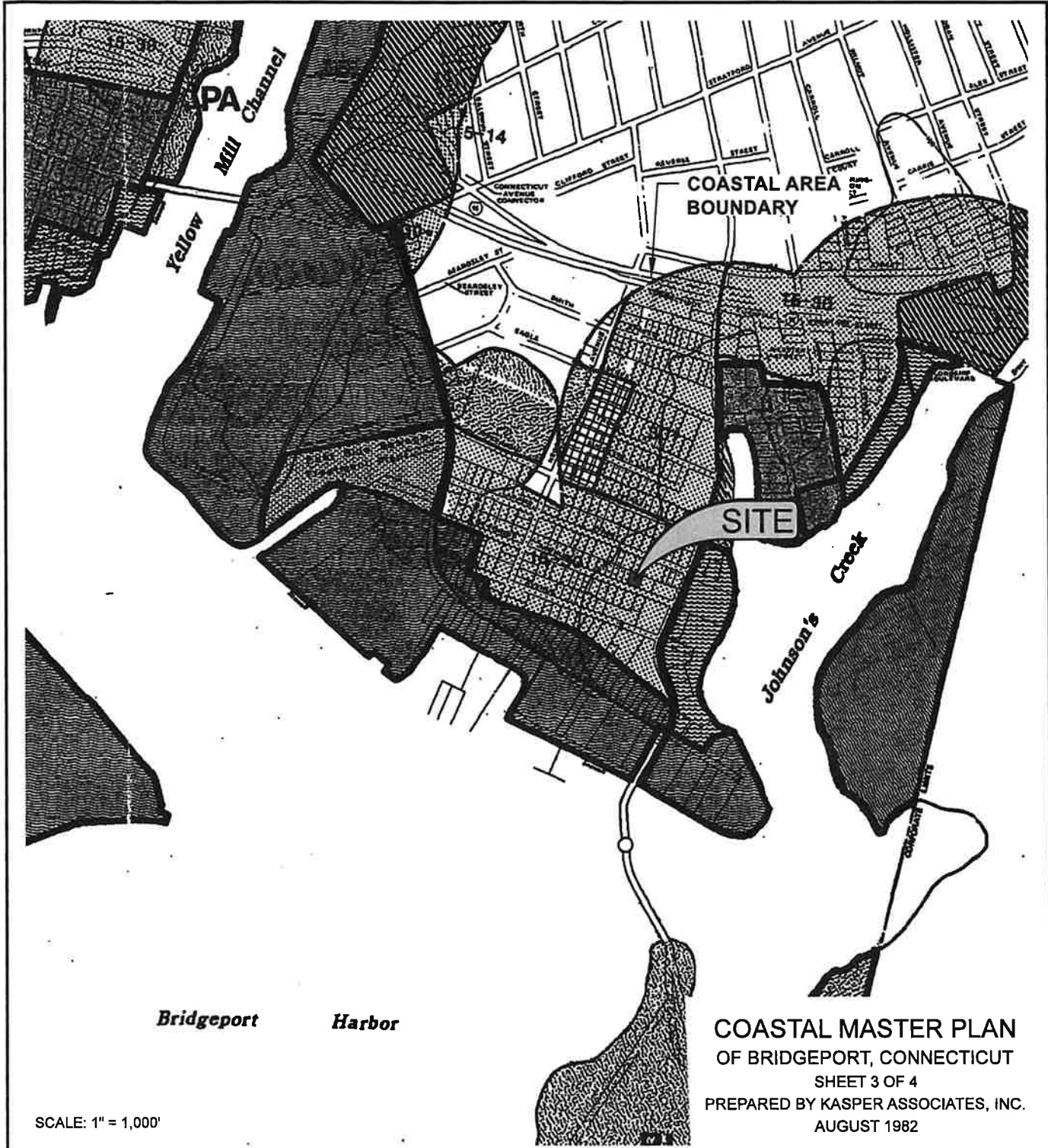


FEMA FIRM MAP

HABITAT FOR HUMANITY
OF COASTAL FAIRFIELD COUNTY
243 DeFOREST AVENUE
BRIDGEPORT, CONNECTICUT

DATE: AUGUST 29, 2024

FIGURE B



Bridgeport Harbor

**COASTAL MASTER PLAN
OF BRIDGEPORT, CONNECTICUT
SHEET 3 OF 4
PREPARED BY KASPER ASSOCIATES, INC.
AUGUST 1982**

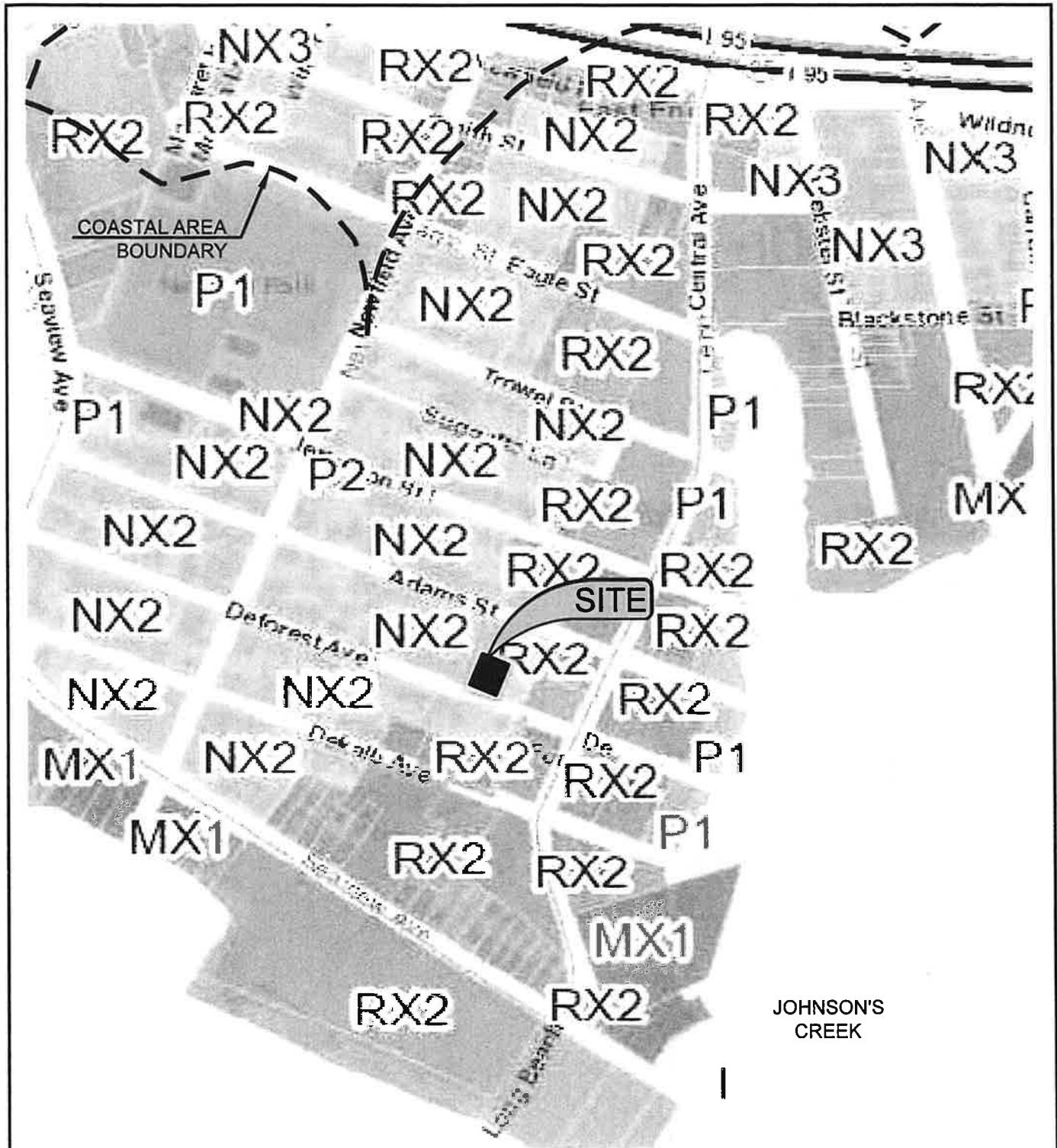
SCALE: 1" = 1,000'

**Cabezas
DeAngelis**
ENGINEERS & SURVEYORS

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COASTAL RESOURCE MAP	
HABITAT FOR HUMANITY OF COASTAL FAIRFIELD COUNTY 243 DeFOREST AVENUE BRIDGEPORT, CONNECTICUT	
DATE: AUGUST 29, 2024	FIGURE C



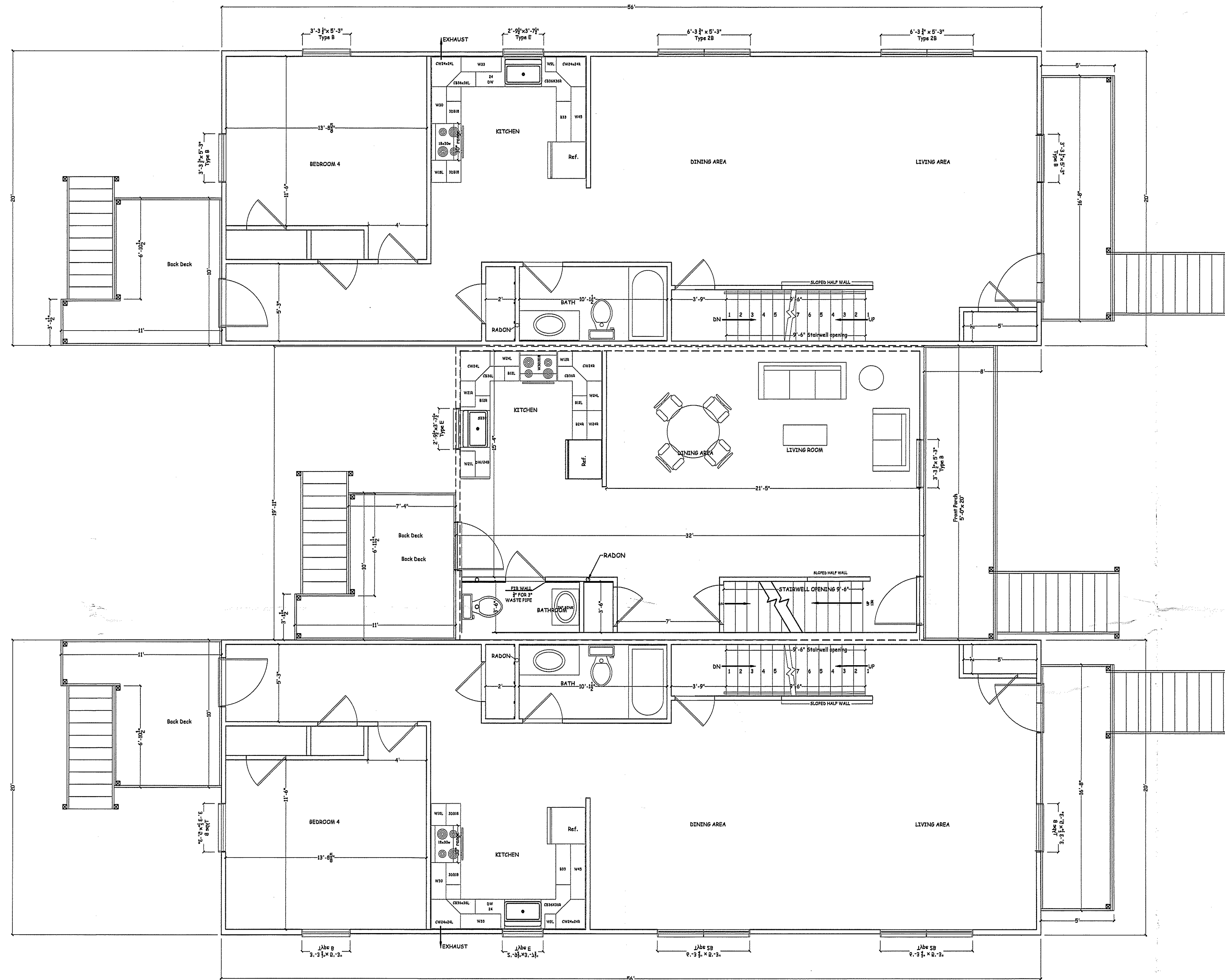
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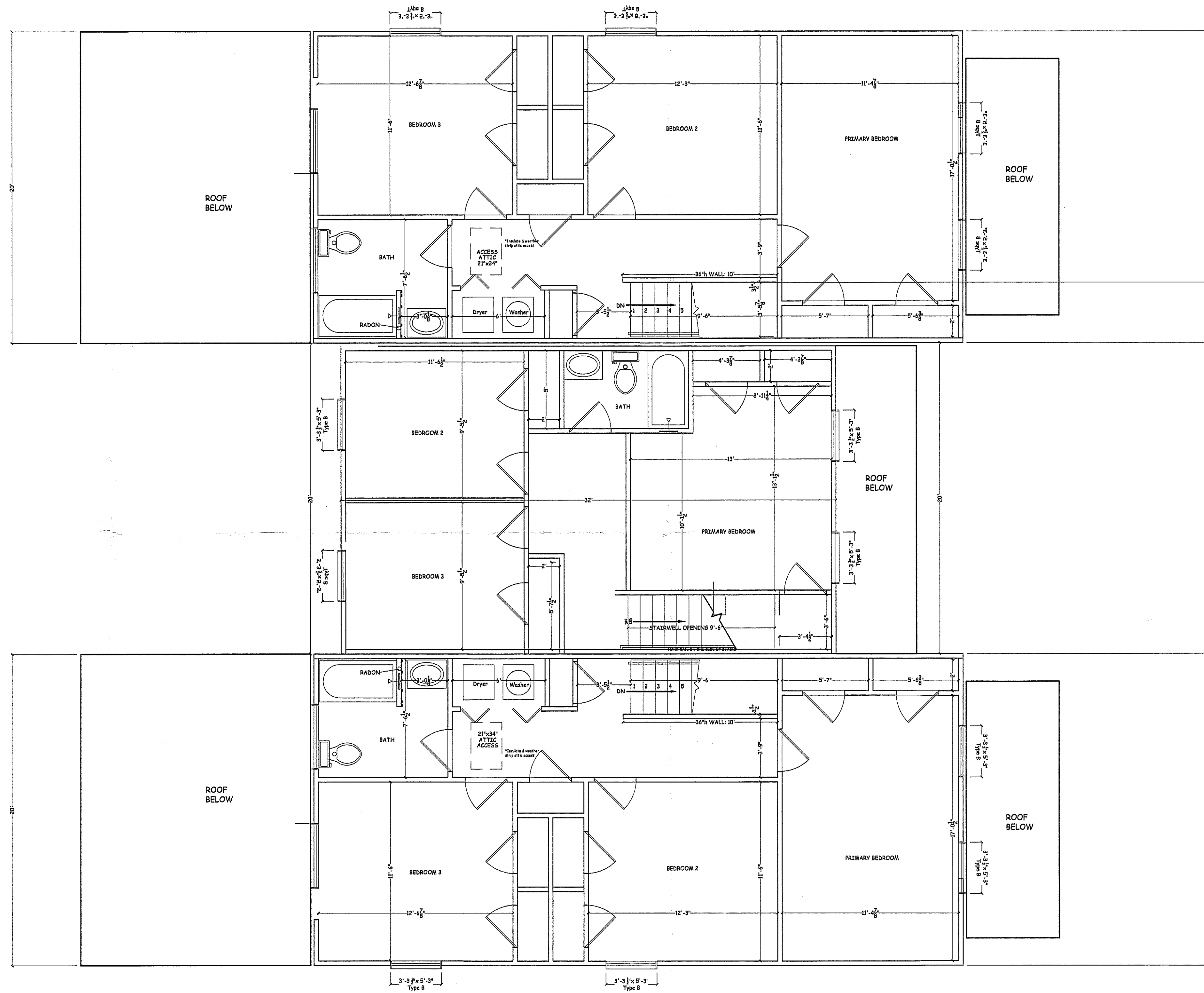
78 ELM STREET, BRIDGEPORT, CT 06604
P: 203 330 8700 • F: 203 330 8701



ZONE MAP	
HABITAT FOR HUMANITY OF COASTAL FAIRFIELD COUNTY 243 DeFOREST AVENUE BRIDGEPORT, CONNECTICUT	
DATE: AUGUST 29, 2024	FIGURE D

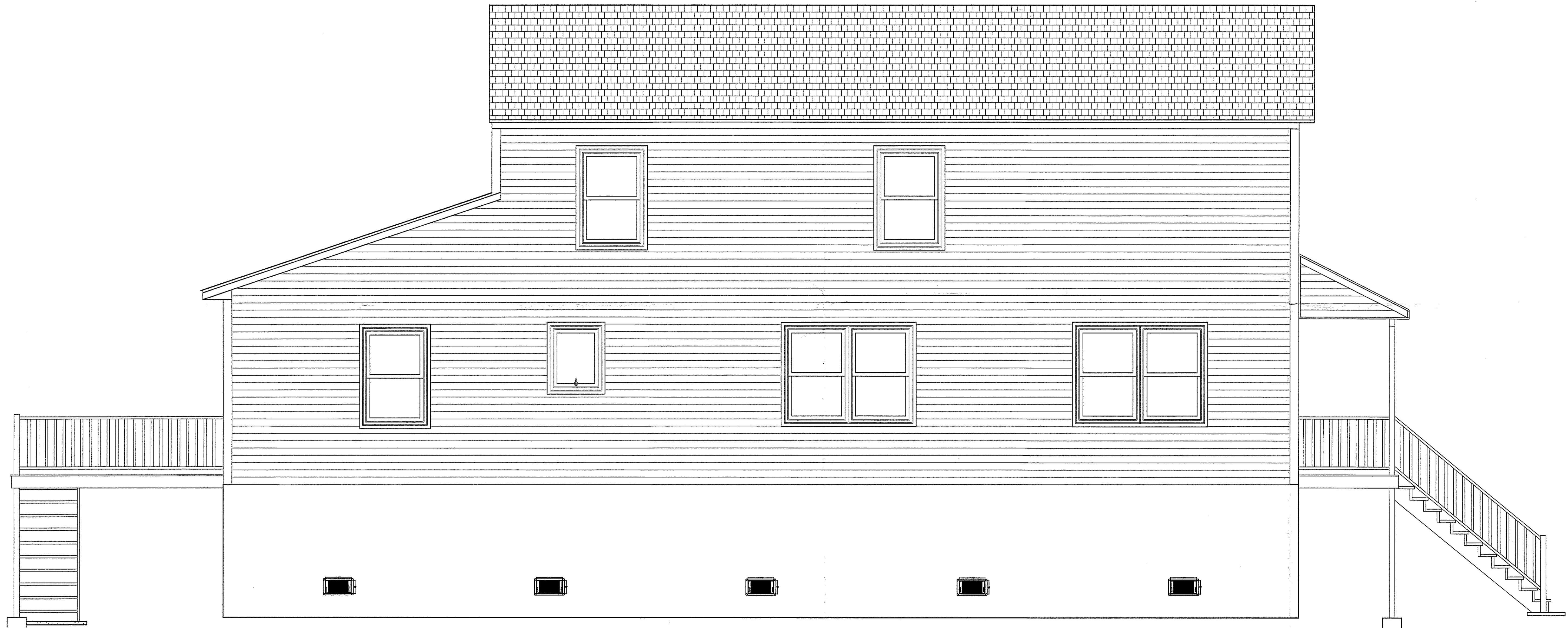


FIRST FLOOR PLAN

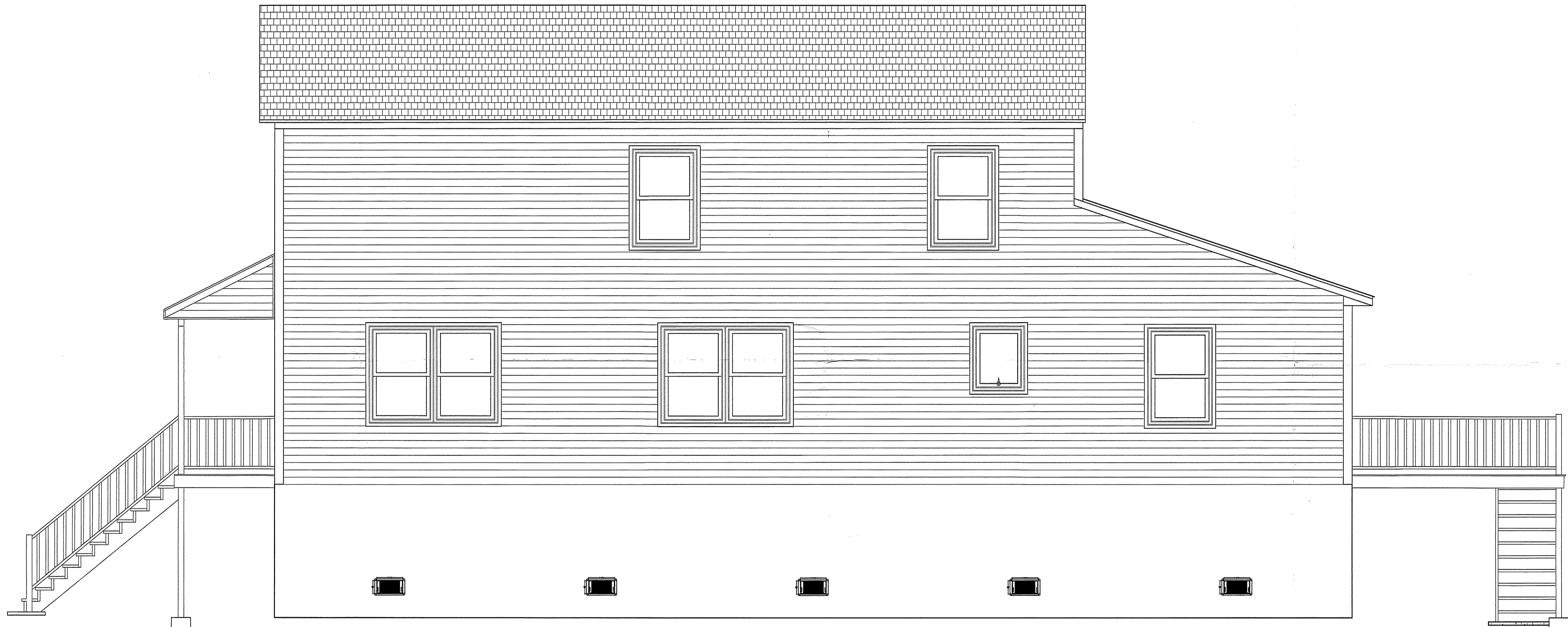


SECOND FLOOR PLAN





RIGHT ELEVATION



LEFT ELEVATION





PLANNING & ZONING COMMISSION APPLICATION

1. **NAME OF APPLICANT:** Joel Reyes-Montenegro
2. Is the Applicant's name Trustee of Record? Yes _____ No **X** _____
If yes, a sworn statement disclosing the Beneficiary shall accompany this application upon filing.
3. Address of Property: 1695 Barnum Avenue, Connecticut
(number) (street) (state) (zip code)
4. Assessor's Map Information: Block No. 1832 Lot No. 21
5. Amendments to Zoning Regulations: (indicate) Article: NA Section: _____
(Attach copies of Amendment)
6. Description of Property (Metes & Bounds): South 95.5' along Barnum Ave, East 123.06', North 50', West 132'
7. Existing Zone Classification: MX1
8. Zone Classification requested: na
9. Describe Proposed Development of Property: Package Store
CT Liquor License site approval

Approval(s) requested: Site approval Package Store

Signature: _____ **Date:** _____
Print Name: Joel Reyes-Montenegro

If signed by Agent, state capacity (Lawyer, Developer, etc.) **Signature:** _____
Print Name: Jose Morel Property Owner

Mailing Address: 1695 Barnum Ave., Bridgeport, CT
Phone: _____ Cell: (203)998-8610 Fax: _____
E-mail Address: jcoppolasresq@aol.com

\$ _____ Fee received **Date:** _____ **Clerk:** _____

THIS APPLICATION MUST BE SUBMITTED IN PERSON AND WITH COMPLETED CHECKLIST

- | | | |
|--|--|---|
| <input type="checkbox"/> Completed & Signed Application Form | <input type="checkbox"/> A-2 Site Survey | <input type="checkbox"/> Building Floor Plans |
| <input type="checkbox"/> Completed Site / Landscape Plan | <input type="checkbox"/> Drainage Plan | <input type="checkbox"/> Building Elevations |
| <input type="checkbox"/> Written Statement of Development and Use | <input type="checkbox"/> Property Owner's List | <input type="checkbox"/> Fee |
| <input type="checkbox"/> Cert. of Incorporation & Organization and First Report (Corporations & LLC's) | | |

PROPERTY OWNER'S ENDORSEMENT OF APPLICATION

<u>Jose Morel</u>	_____	_____
Print Owner's Name	Owner's Signature	Date
_____	_____	_____
Print Owner's Name	Owner's Signature	Date



CITY OF BRIDGEPORT PLANNING & ZONING COMMISSION

CHECKLIST FOR PUBLIC HEARING APPLICATIONS

I. **REQUIRED INFORMATION** (except for **Fee & USB** submit an original & 16 copies of all below)

- Completed & Signed Application & Checklist Form
- Fee
- Written Statement of Development Use
- Completed Site Plan
- Drainage Plan
- Building Floor Plans
- Property Owner's List
- Cert. of Corporation/Org. of First Report
- A-2 Site Survey
- Building Elevations
- Other Evidence/Testimonial Information
- 1 USB MEMORY FLASH DRIVE STICK

NOTE: Please provide 1 USB MEMORY FLASH DRIVE Stick:

- The information on the memory flash drive sticks must include the application, site plans, and all other hard copy information (landscaping, floor elevations, etc) that will be submitted. It also **must be labeled** with the property address, applicant name and date of hearing.
- **All plans and paper work that is submitted to the zoning office must be FOLDED (11x17 or smaller) and Collated into 17 separate packets.**

II. **SUPPLEMENTARY INFORMATION (Optional)**

- Perspective Rendering
- Building and Site Sections
- Eight 8 x10 Color or Black/White Photos of the Current Premises' Condition
- Copies of Zoning Board of Appeals, or Historic District Commission Decisions
- Drainage Report
- Traffic Studies
- Environmental Impact Statement
- Real Estate Studies
- Department of Environmental Protection or Coastal Area Management reports
- Aerial Photographs

III. **OPTIONAL EXHIBITS (may be presented at the public hearing)** (16 copies not required)

- Color Rendering
- Models
- Material Sample
- OTHER: _____

CITY OF BRIDGEPORT

PLANNING & ZONING COMMISSION

CHECKLIST FOR PUBLIC HEARING APPLICATIONS

The following requirements shall apply to all applications for public hearings before the Bridgeport Planning & Zoning Commission and for all agenda dates on or after December 23, 2011.

The following are required components for any and all applications for a **change of zone; site plan review; motor vehicle; sub-division; special permit; or coastal site plan reviews** applications. Except for the Fee & USB, the Petitioner shall submit **one (1) original and sixteen (16) copies of all materials described below in sections I & II pertinent to the application.** The agenda closing date shall be five (5) weeks prior to the public hearing. No materials submitted by the petitioner after the agenda closing date shall be accepted by the Clerk or by the Commission, unless exempted under Section III below. Failure to provide any of the components listed under Section I below may be deemed by the Commission to be grounds for denial due to incomplete information.

I. REQUIRED INFORMATION

- A Complete and signed application form. **(The application must be signed by the current property owner)**
- Fee
- A written statement, not to exceed one hundred (100) words, describing all proposed uses.
- The original plus sixteen (16) copies of a site plan prepared, signed and sealed** by an engineer, architect or landscape architect registered and licensed to conduct business in the State of CT. Dated and meeting the following requirements:
 - The site plan must be drawn to a scale of 100 feet or less to the inch.
 - Proposed and existing structures and amenities, including, but not limited to, footprints of foundations, porches, decks, walkways, travel lanes, shall be indicated. Dimensions to property lines from structures and overall building dimensions shall also be shown. The dimensions of parking lot, including isle width and length, and width of parking spaces shall be shown.
 - All applicable (existing and proposed) Zone Development Standards.
 - Existing and proposed grades shall be shown at 2-foot intervals.
 - One or more benchmarks that can be used in the field to verify conditions shall be indicated.

- A drainage plan prepared by a professional engineer, showing all provisions for site runoff; on-site retentions; connections to city services; and any other pertinent information, including City Engineer's requirements.
- Building floor plans (all floors above and below grade) shall be prepared by a licensed architect, showing any and all proposed new construction or additions to existing structures. Additions and alterations shall be clearly delineated from existing work. Minimum scale 1/16" = 1"0.
- A list of names and addresses of all property owners within 100 feet of all property lines of the subject property shall be provided.
- If the petitioner is a corporation a copy of the "Certificate of Corporation" and "Organization and First Report" as filed with the Office of the Secretary of the State of CT must be filed with the application.
- An A-2 survey.
- For applications involving a building(s), the following shall be submitted:
 - Preliminary architectural plans, sections, and/or elevations at 1/4" or 1/8" = 1' showing exterior wall elevations, roof lines, façade materials or other features of proposed buildings or structures.
 - Drawings prepared by a registered architect, landscape architect or professional engineer licensed in the State of CT, each individually sealed and signed by the design professional, (except seals not required on residential projects of less than 5,000 square feet total).
- Any other evidence or testimonial information, which will be presented by the petitioner at a public hearing.

Note: All of the above information shall be submitted at the time of filing. Applications with missing information will be deemed incomplete; will not be processed and will be immediately returned to the applicant.

II. SUPPLEMENTARY INFORMATION

- Perspective renderings, either in black and white or in color, reproduced either photographically or by diazo print, showing principal street side view of the proposed development. Minimum size 8"x10" (for photos); Maximum size 30"x42". Color renderings may be presented at the public hearing provided diazo print or photo reproduction has been submitted to the Clerk for distribution before the agenda closing date.
- Building and site section drawings to show relationship of proposed development to existing adjacent streets and buildings.

- Not more than eight (8) 8"x10" color or black and white photographs showing existing site conditions or surrounding area. These may be reproduced xerographically for application filing.
- Copies of any pertinent actions by the Zoning Board of Appeals or Historic District Commission.
- Drainage reports, traffic studies, environmental impact studies and/or real estate studies.
- State Department of Environmental Protection (DEP) or Coastal Area Management (CAM) reports.
- Aerial photographs of subject parcel and surrounding environment.

III. OPTIONAL EXHIBITS

The following items may be presented to the Commission at the time of the public hearing (16 copies not required) without need for filing on or before the agenda closing date:

- Color renderings (see Section II item) provided the Commission has received through the Clerk reduced photographic reproductions, or black and white versions of the renderings.
- Models of proposed building(s).
- Samples of materials and/or colors to be used in the proposed development.

Note: Staff reports or departmental correspondence (e.g. City Engineer, W.P.C.A., Fire Marshal, Design Review Coordinator, etc.) shall be received and distributed by the Clerk of the Commission on or before the date of the public hearing. **Whether such reports or correspondence is received before the agenda closing date shall not pose any penalty to the Petitioner and shall be the responsibility of the staff.**

WRITTEN STATEMENT OF DEVELOPMENT AND USE

The applicant has filed an Application to the Planning and Zoning Commission for the location approval in order to obtain a Connecticut Liquor license for the operation of a package store.

Real Property

1695 Barnum Ave., is a single story commercial building. The property is declared as a MX1 Mixed-Use Corridor zone. There is a parking lot to the rear of the property. The current location has been used as a business office for over ten years.

+++++

City of Bridgeport – Zoning Ordinances

10.10.1 APPROVAL OF LOCATION

A. Required. Except as expressly exempted in paragraph B. of this subsection, all uses that sell alcoholic liquor, including any proposed changes in the type of on-premises alcohol consumption liquor permit, must obtain a certificate of location approval in accordance with the procedures of 11.120.

10.10.2 PACKAGE STORE/GROCERY BEER PERMITS

A. Except as otherwise expressly stated in paragraph B of this subsection (below), uses for which a package store or grocery beer permit is required under Chapter 545, of the General Statutes are prohibited within a 750-foot radius of a protected use located within the City of Bridgeport, as measured from the entrance of the protected use to the entrance of the use requiring a package store or grocery beer permit. This required separation radius notwithstanding, a use for which a package store permit or grocery beer permit was issued and valid on February 25, 2019 may move to another building or premises within a 750-foot radius of the building or premises containing the use for which the package store permit or grocery beer permit was issued, as provided in section 30-52 of the General Statutes.

11.120.2 AUTHORITY AND PROCESS

A. Planning and Zoning Commission(1) Authority. The planning and zoning commission has final decision-making authority on certificates of location approval for uses that sell or serve alcohol and cannabis sales or growing.

(2) Review and Approval Criteria. No application for a certificate of location approval may be granted until the planning and zoning commission has made the following findings:

(a) The use is compatible with and implements the objectives and policies of the master plan of conservation and development;

The Applicant presents that 1695 Barnum., has been operated as a office for the community for many years. The request is to allow the operation of a package store pursuant to the requirements of the Connecticut Liquor Laws. The package store will not impair the City of Bridgeport “objectives and policies of the master plan of conservation and development.”

(b) The use will not impair the future development of the surrounding area;

Once again the request for location approval for the operation of a package store will not impact “the future development of the surrounding area.

(c) The proposal includes adequate safeguards to protect adjacent property and the neighborhood in general from any detrimental impacts the proposed use might otherwise have;

The Applicant has parking in the rear, the majority of business is from walk-in traffic and the addition of the package store should have no impact on the adjacent properties or any other uses allowed in the zone.

(d) In the case of any proposed use located in, or directly adjacent to, an N or NX zone, the location and size of such use, the nature and intensity of operations involved in or conducted in connection with the use, its site layout and its relation to access streets is such that pedestrian and vehicular traffic to and from the use and the assembly of persons in connection with the use will not be incongruous with residential uses, and will not present an undue hazard or inconvenience to residents;

The package store will not impact future use of the surrounding area.

(e) The proposed use will not adversely impact property values; and

Once again the request for location approval for the package store will not negatively impact property values.

(f) The use will not be disruptive to or cause conflicts with existing uses within the immediate vicinity.

The request for location approval for the package store will be not be disruptive nor conflict with existing uses within the zone.



1697-1695 Barnum Ave.

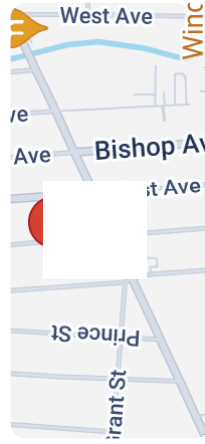


Bridgeport, Connecticut

Google Street View

May 2023 [See more dates](#)

Image capture: May 2023 © 2024 Google



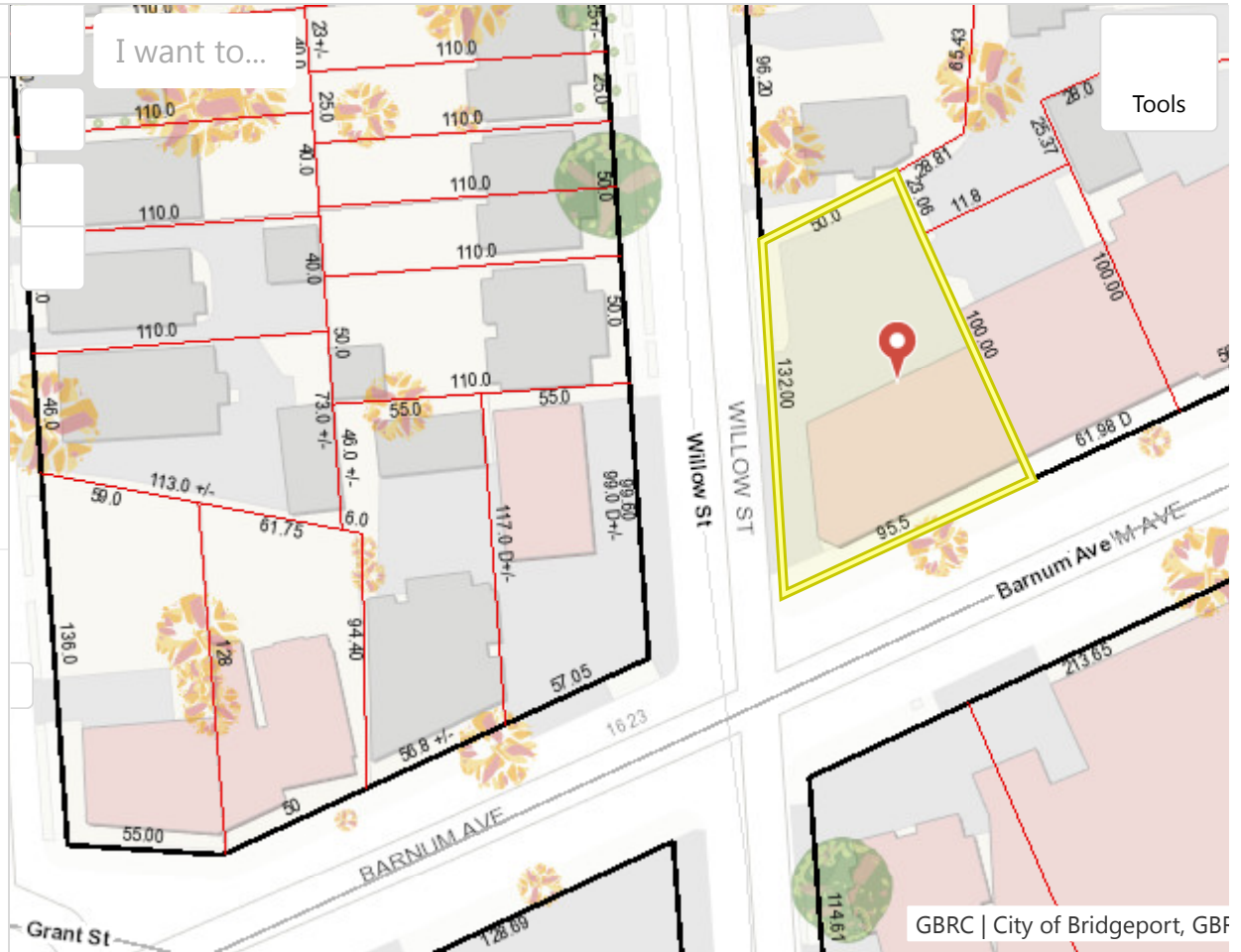
Search...

Parcels (1)

☆ Site Address: 1697 BARNUM AV



[Field Card](#) | [Zoom to Feature](#) | [Buffer Feature](#)



Displaying 1 - 1 (Total: 1)

◀ ◀ Page 1 of 1 ▶ ▶

Home Layers Parcels (1)

Basemaps

0 30 60ft

1640 BARNUM AVENUE LLC
C/O ZIMMER & ZIMMER PC
TWO CORPORATE DR STE 203
TRUMBULL, CT 06611

MAHASI LLC ET AL
C/O PETROS DINER LLC
1660 BARNUM AVE
BRIDGEPORT, CT 06610

1700 BARNUM AVE LLC
PO BOX 110384
Trumbull, CT 06611

JJT DREAM LLC
108 BOOTH HILL RD
Shelton, CT, 06484-2435

ISLAM MD M
1669 BARNUM AVE
Bridgeport CT 06610

HYDE ANN MARIE (ETAL)
187- WILLOW ST
Bridgeport CT 06610

CAMPOS-AGUILAR OTONIEL
197 WILLOW ST
Bridgeport CT 06610-2972

BALDWIN ANGELA
199 WILLOW STREET
Bridgeport CT 06610

Mary & Vasiolios Avramopoulos
Revc Trust
520 Housatonic Ave.
Stratford, CT 06497

BRELAND MOHINI & BIBI OMAR
(SURV)
207 WILLOW STREET
Bridgeport CT 06610

GUZMAN IVAN N G
198 WILLOW ST
Bridgeport CT 06615

249 EAST AVE LLC
31 GRANDVIEW AVE
Stamford, CT 06905

GAYLE JENNETTE
10 N BOND STREET
MOUNT VERNON NY 10550

PRUDENTE IVAN T &
CANDELARIA V GONZALEZ
209 WILLOW STREET
BRIDGEPORT CT 06610

1697 BARNUM AV

Location 1697 BARNUM AV

Mblu 50/ 1832/ 21/ /

Acct# RL-0079100

Owner MOREL JOSE

Assessment \$273,880

Appraisal \$391,250

PID 16490

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2024	\$280,180	\$111,070	\$391,250

Assessment			
Valuation Year	Improvements	Land	Total
2024	\$196,130	\$77,750	\$273,880

Owner of Record

Owner MOREL JOSE

Sale Price \$400,000

Co-Owner

Certificate

Address 474 HOLLISTER STREET
STRATFORD, CT 06615

Book & Page 10253/248

Sale Date 07/20/2020

Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
MOREL JOSE	\$400,000		10253/248	00	07/20/2020
LIONETTI MICHAEL & GRACE	\$0		8411/0258	29	05/03/2011
JOHN DENIZ LLC	\$480,000		7226/0097	00	10/31/2006
LIONETTI MICHAEL & GRACE	\$260,000		2319/0097		06/24/1987

Building Information

Building 1 : Section 1

Year Built: 1930
Living Area: 3,308
Replacement Cost: \$560,366
Building Percent Good: 50
**Replacement Cost
Less Depreciation:** \$280,180

Building Attributes	
Field	Description
Style:	Retail Strip
Model	Comm/Ind
Grade:	Average
Stories:	1

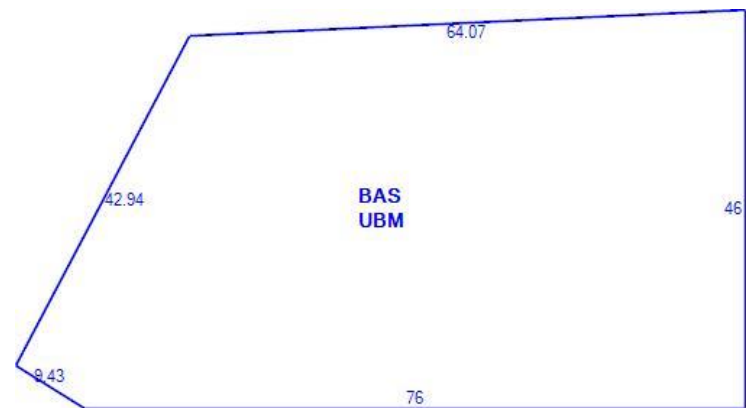
Occupancy:	5.00
Exterior Wall 1:	Brick
Exterior Wall 2:	
Roof Struct:	Flat
Roof Cover:	Tar + Gravel
Interior Wall 1:	Drywall
Interior Wall 2:	
Interior Floor 1:	Vinyl/Asphalt
Interior Floor 2:	
Heating Fuel:	Gas
Heating Type:	Forced Air
AC Type:	None
Struct Class	
Bldg Use:	Retail Strip/Plaza
Ttl Rooms:	
Ttl Bedrms:	00
Ttl Baths:	0
Ttl Half Baths:	0
Ttl Xtra Fix:	0
1st Floor Use:	
Heat/AC:	None
Frame Type:	Masonry
Baths/Plumbing:	Average
Ceiling/Wall:	Sus-Ceil & WI
Rooms/Prtns:	Average

Building Photo



(<https://images.vgsi.com/photos2/BridgeportCTPhotos//default.jpg>)

Building Layout



(ParcelSketch.ashx?pid=16490&bid=16490)

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area

Wall Height:	10.00
% Comn Wall:	

BAS	First Floor	3,308	3,308
UBM	Unfin Basement	3,308	0
		6,616	3,308

Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use

Use Code 215
Description Retail Strip/Plaza
Zone ORS
Neighborhood BAR2
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 0.19
Frontage 0
Depth 0
Assessed Value \$77,750
Appraised Value \$111,070

Outbuildings

Outbuildings	<u>Legend</u>
No Data for Outbuildings	

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2023	\$280,180	\$111,070	\$391,250
2022	\$280,180	\$111,070	\$391,250
2021	\$280,180	\$111,070	\$391,250

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2021	\$196,130	\$77,750	\$273,880



PLANNING & ZONING COMMISSION APPLICATION

1. **NAME OF APPLICANT:** Darlyn Maria Jorge Sanchez

2. Is the Applicant's name Trustee of Record? Yes _____ No **X** _____

If yes, a sworn statement disclosing the Beneficiary shall accompany this application upon filing.

3. Address of Property: 1697 Barnum Avenue, Connecticut
(number) (street) (state) (zip code)

4. Assessor's Map Information: Block No. 1832 Lot No. 21

5. Amendments to Zoning Regulations: (indicate) Article: NA Section: _____

(Attach copies of Amendment)

6. Description of Property (Metes & Bounds): South 95.5' along Barnum Ave, East 123.06', North 50', West 132'

7. Existing Zone Classification: MX1

8. Zone Classification requested: na

9. Describe Proposed Development of Property: Local Market-Grocery
CT Liquor License site approval to sell Beer

Approval(s) requested: location approval for the Market to sell Beer

Signature: _____ **Date:** _____

Print Name: Darlyn Maria Jorge Sanchez

If signed by Agent, state capacity (Lawyer, Developer, etc.) **Signature:** _____

Print Name: Jose Morel Property Owner

Mailing Address: 1697 Barnum Ave., Bridgeport, CT

Phone: _____ Cell: (203)998-8610 Fax: _____

E-mail Address: jcoppolasresq@aol.com

\$ _____ Fee received **Date:** _____ **Clerk:** _____

THIS APPLICATION MUST BE SUBMITTED IN PERSON AND WITH COMPLETED CHECKLIST

- | | | |
|--|--|---|
| <input type="checkbox"/> Completed & Signed Application Form | <input type="checkbox"/> A-2 Site Survey | <input type="checkbox"/> Building Floor Plans |
| <input type="checkbox"/> Completed Site / Landscape Plan | <input type="checkbox"/> Drainage Plan | <input type="checkbox"/> Building Elevations |
| <input type="checkbox"/> Written Statement of Development and Use | <input type="checkbox"/> Property Owner's List | <input type="checkbox"/> Fee |
| <input type="checkbox"/> Cert. of Incorporation & Organization and First Report (Corporations & LLC's) | | |

PROPERTY OWNER'S ENDORSEMENT OF APPLICATION

<u>Jose Morel</u>	_____	_____
Print Owner's Name	Owner's Signature	Date
_____	_____	_____
Print Owner's Name	Owner's Signature	Date



CITY OF BRIDGEPORT PLANNING & ZONING COMMISSION

CHECKLIST FOR PUBLIC HEARING APPLICATIONS

I. **REQUIRED INFORMATION** (except for **Fee & USB** submit an original & 16 copies of all below)

- Completed & Signed Application & Checklist Form
- Fee
- Written Statement of Development Use
- Completed Site Plan
- Drainage Plan
- Building Floor Plans
- Property Owner's List
- Cert. of Corporation/Org. of First Report
- A-2 Site Survey
- Building Elevations
- Other Evidence/Testimonial Information
- 1 USB MEMORY FLASH DRIVE STICK

NOTE: Please provide 1 USB MEMORY FLASH DRIVE Stick:

- The information on the memory flash drive sticks must include the application, site plans, and all other hard copy information (landscaping, floor elevations, etc) that will be submitted. It also **must be labeled** with the property address, applicant name and date of hearing.
- **All plans and paper work that is submitted to the zoning office must be FOLDED (11x17 or smaller) and Collated into 17 separate packets.**

II. **SUPPLEMENTARY INFORMATION (Optional)**

- Perspective Rendering
- Building and Site Sections
- Eight 8 x10 Color or Black/White Photos of the Current Premises' Condition
- Copies of Zoning Board of Appeals, or Historic District Commission Decisions
- Drainage Report
- Traffic Studies
- Environmental Impact Statement
- Real Estate Studies
- Department of Environmental Protection or Coastal Area Management reports
- Aerial Photographs

III. **OPTIONAL EXHIBITS (may be presented at the public hearing)** (16 copies not required)

- Color Rendering
- Models
- Material Sample
- OTHER: _____

CITY OF BRIDGEPORT

PLANNING & ZONING COMMISSION

CHECKLIST FOR PUBLIC HEARING APPLICATIONS

The following requirements shall apply to all applications for public hearings before the Bridgeport Planning & Zoning Commission and for all agenda dates on or after December 23, 2011.

The following are required components for any and all applications for a **change of zone; site plan review; motor vehicle; sub-division; special permit; or coastal site plan reviews** applications. Except for the Fee & USB, the Petitioner shall submit **one (1) original and sixteen (16) copies of all materials described below in sections I & II pertinent to the application.** The agenda closing date shall be five (5) weeks prior to the public hearing. No materials submitted by the petitioner after the agenda closing date shall be accepted by the Clerk or by the Commission, unless exempted under Section III below. Failure to provide any of the components listed under Section I below may be deemed by the Commission to be grounds for denial due to incomplete information.

I. REQUIRED INFORMATION

- A Complete and signed application form. **(The application must be signed by the current property owner)**
- Fee
- A written statement, not to exceed one hundred (100) words, describing all proposed uses.
- The original plus sixteen (16) copies of a site plan prepared, signed and sealed** by an engineer, architect or landscape architect registered and licensed to conduct business in the State of CT. Dated and meeting the following requirements:
 - The site plan must be drawn to a scale of 100 feet or less to the inch.
 - Proposed and existing structures and amenities, including, but not limited to, footprints of foundations, porches, decks, walkways, travel lanes, shall be indicated. Dimensions to property lines from structures and overall building dimensions shall also be shown. The dimensions of parking lot, including isle width and length, and width of parking spaces shall be shown.
 - All applicable (existing and proposed) Zone Development Standards.
 - Existing and proposed grades shall be shown at 2-foot intervals.
 - One or more benchmarks that can be used in the field to verify conditions shall be indicated.

- A drainage plan prepared by a professional engineer, showing all provisions for site runoff; on-site retentions; connections to city services; and any other pertinent information, including City Engineer's requirements.
- Building floor plans (all floors above and below grade) shall be prepared by a licensed architect, showing any and all proposed new construction or additions to existing structures. Additions and alterations shall be clearly delineated from existing work. Minimum scale 1/16" = 1"0.
- A list of names and addresses of all property owners within 100 feet of all property lines of the subject property shall be provided.
- If the petitioner is a corporation a copy of the "Certificate of Corporation" and "Organization and First Report" as filed with the Office of the Secretary of the State of CT must be filed with the application.
- An A-2 survey.
- For applications involving a building(s), the following shall be submitted:
 - Preliminary architectural plans, sections, and/or elevations at 1/4" or 1/8" = 1' showing exterior wall elevations, roof lines, façade materials or other features of proposed buildings or structures.
 - Drawings prepared by a registered architect, landscape architect or professional engineer licensed in the State of CT, each individually sealed and signed by the design professional, (except seals not required on residential projects of less than 5,000 square feet total).
- Any other evidence or testimonial information, which will be presented by the petitioner at a public hearing.

Note: All of the above information shall be submitted at the time of filing. Applications with missing information will be deemed incomplete; will not be processed and will be immediately returned to the applicant.

II. SUPPLEMENTARY INFORMATION

- Perspective renderings, either in black and white or in color, reproduced either photographically or by diazo print, showing principal street side view of the proposed development. Minimum size 8"x10" (for photos); Maximum size 30"x42". Color renderings may be presented at the public hearing provided diazo print or photo reproduction has been submitted to the Clerk for distribution before the agenda closing date.
- Building and site section drawings to show relationship of proposed development to existing adjacent streets and buildings.

- Not more than eight (8) 8"x10" color or black and white photographs showing existing site conditions or surrounding area. These may be reproduced xerographically for application filing.
- Copies of any pertinent actions by the Zoning Board of Appeals or Historic District Commission.
- Drainage reports, traffic studies, environmental impact studies and/or real estate studies.
- State Department of Environmental Protection (DEP) or Coastal Area Management (CAM) reports.
- Aerial photographs of subject parcel and surrounding environment.

III. OPTIONAL EXHIBITS

The following items may be presented to the Commission at the time of the public hearing (16 copies not required) without need for filing on or before the agenda closing date:

- Color renderings (see Section II item) provided the Commission has received through the Clerk reduced photographic reproductions, or black and white versions of the renderings.
- Models of proposed building(s).
- Samples of materials and/or colors to be used in the proposed development.

Note: Staff reports or departmental correspondence (e.g. City Engineer, W.P.C.A., Fire Marshal, Design Review Coordinator, etc.) shall be received and distributed by the Clerk of the Commission on or before the date of the public hearing. **Whether such reports or correspondence is received before the agenda closing date shall not pose any penalty to the Petitioner and shall be the responsibility of the staff.**

WRITTEN STATEMENT OF DEVELOPMENT AND USE

The Applicant is updating and refurbishing a former community market. The applicant has filed an Application to the Planning and Zoning Commission for the location approval in order to obtain a Connecticut Liquor license for the sale of beer.

Real Property

1697 Barnum Ave., is a single story commercial building. The property is declared as a MX1 Mixed-Use Corridor zone. There is a parking lot to the rear of the property. The current location has been used as a market for over ten years.

+++++

City of Bridgeport – Zoning Ordinances

10.10.1 APPROVAL OF LOCATION

A. Required. Except as expressly exempted in paragraph B. of this subsection, all uses that sell alcoholic liquor, including any proposed changes in the type of on-premises alcohol consumption liquor permit, must obtain a certificate of location approval in accordance with the procedures of 11.120.

10.10.2 PACKAGE STORE/GROCERY BEER PERMITS

A. Except as otherwise expressly stated in paragraph B of this subsection (below), uses for which a package store or grocery beer permit is required under Chapter 545, of the General Statutes are prohibited within a 750-foot radius of a protected use located within the City of Bridgeport, as measured from the entrance of the protected use to the entrance of the use requiring a package store or grocery beer permit. This required separation radius notwithstanding, a use for which a package store permit or grocery beer permit was issued and valid on February 25, 2019 may move to another building or premises within a 750-foot radius of the building or premises containing the use for which the package store permit or grocery beer permit was issued, as provided in section 30-52 of the General Statutes.

11.120.2 AUTHORITY AND PROCESS

A. Planning and Zoning Commission(1) Authority. The planning and zoning commission has final decision-making authority on certificates of location approval for uses that sell or serve alcohol and cannabis sales or growing.

(2) Review and Approval Criteria. No application for a certificate of location approval may be granted until the planning and zoning commission has made the following findings:

(a) The use is compatible with and implements the objectives and policies of the master plan of conservation and development;

The Applicant presents that 1697 Barnum., first unit, has been operated as a market for the community for many years. The request is to allow the sale of beer pursuant to the requirements of the Connecticut Liquor Laws. The sale of beer will not impair the City of Bridgeport "objectives and policies of the master plan of conservation and development."

(b) The use will not impair the future development of the surrounding area;

Once again the request for location approval for the sale of beer by an existing market will not impact "the future development of the surrounding area.

(c) The proposal includes adequate safeguards to protect adjacent property and the neighborhood in general from any detrimental impacts the proposed use might otherwise have;

The Applicant has parking in the rear, the majority of business is from walk-in traffic and the addition of the sale of beer to the market should have no impact on the adjacent properties or any other uses allowed in the zone.

(d) In the case of any proposed use located in, or directly adjacent to, an N or NX zone, the location and size of such use, the nature and intensity of operations involved in or conducted in connection with the use, its site layout and its relation to access streets is such that pedestrian and vehicular traffic to and from the use and the assembly of persons in connection with the use will not be incongruous with residential uses, and will not present an undue hazard or inconvenience to residents;

The sale of beer within the current existing market will not impact future use of the surrounding area.

(e) The proposed use will not adversely impact property values; and

Once again the request for location approval for the sale of beer by an existing market will not negatively impact property values.

(f) The use will not be disruptive to or cause conflicts with existing uses within the immediate vicinity.

The request for location approval for the sale of beer by an existing market will be not be disruptive nor conflict with existing uses within the zone. The sale of beer will provide an additional option for the customers of the market.

1640 BARNUM AVENUE LLC
C/O ZIMMER & ZIMMER PC
TWO CORPORATE DR STE 203
TRUMBULL, CT 06611

MAHASI LLC ET AL
C/O PETROS DINER LLC
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1697 BARNUM AV

Location 1697 BARNUM AV

Mblu 50/ 1832/ 21/ /

Acct# RL-0079100

Owner MOREL JOSE

Assessment \$273,880

Appraisal \$391,250

PID 16490

Building Count 1

Current Value

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Book & Page 10253/248

Sale Date 07/20/2020

Instrument 00

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Ownership History					
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LIONETTI MICHAEL & GRACE	\$260,000		2319/0097		06/24/1987

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Replacement Cost: \$560,366
Building Percent Good: 50
Replacement Cost
Less Depreciation: \$280,180

Building Attributes	
Field	Description
Style:	Retail Strip
Model	Comm/Ind
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Stories:	1

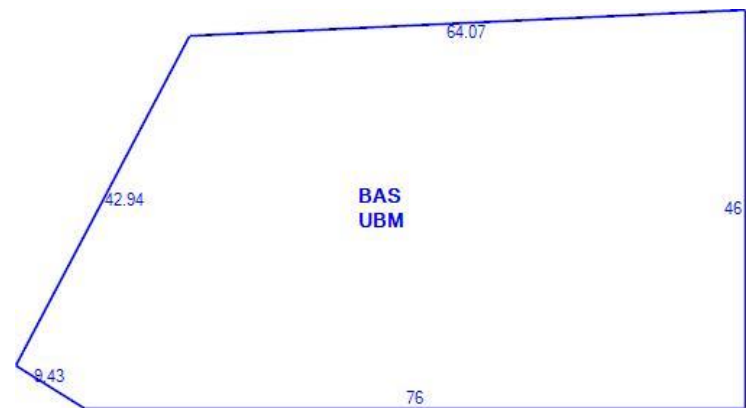
Occupancy:	5.00
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Exterior Wall 2:	
Roof Struct:	Flat
Roof Cover:	Tar + Gravel
Interior Wall 1:	Drywall
Interior Wall 2:	
Interior Floor 1:	Vinyl/Asphalt
Interior Floor 2:	
Heating Fuel:	Gas
Heating Type:	Forced Air
AC Type:	None
Struct Class	
Bldg Use:	Retail Strip/Plaza
Ttl Rooms:	
Ttl Bedrms:	00
Ttl Baths:	0
Ttl Half Baths:	0
Ttl Xtra Fix:	0
1st Floor Use:	
Heat/AC:	None
Frame Type:	Masonry
Baths/Plumbing:	Average
Ceiling/Wall:	Sus-Ceil & WI
Rooms/Prtns:	Average

Building Photo



(<https://images.vgsi.com/photos2/BridgeportCTPhotos//default.jpg>)

Building Layout



(ParcelSketch.ashx?pid=16490&bid=16490)

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area

Wall Height:	10.00
% Comn Wall:	

BAS	First Floor	3,308	3,308
UBM	Unfin Basement	3,308	0
		6,616	3,308

Extra Features

Extra Features	<u>Legend</u>
No Data for Extra Features	

Land

Land Use

Use Code 215
Description Retail Strip/Plaza
Zone ORS
Neighborhood BAR2
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 0.19
Frontage 0
Depth 0
Assessed Value \$77,750
Appraised Value \$111,070

Outbuildings

Outbuildings	<u>Legend</u>
No Data for Outbuildings	

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
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1697-1695 Barnum Ave.



Bridgeport, Connecticut

Google Street View

May 2023 See more dates

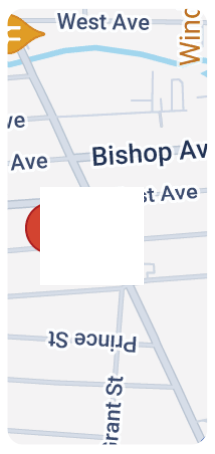


Image capture: May 2023 © 2024 Google

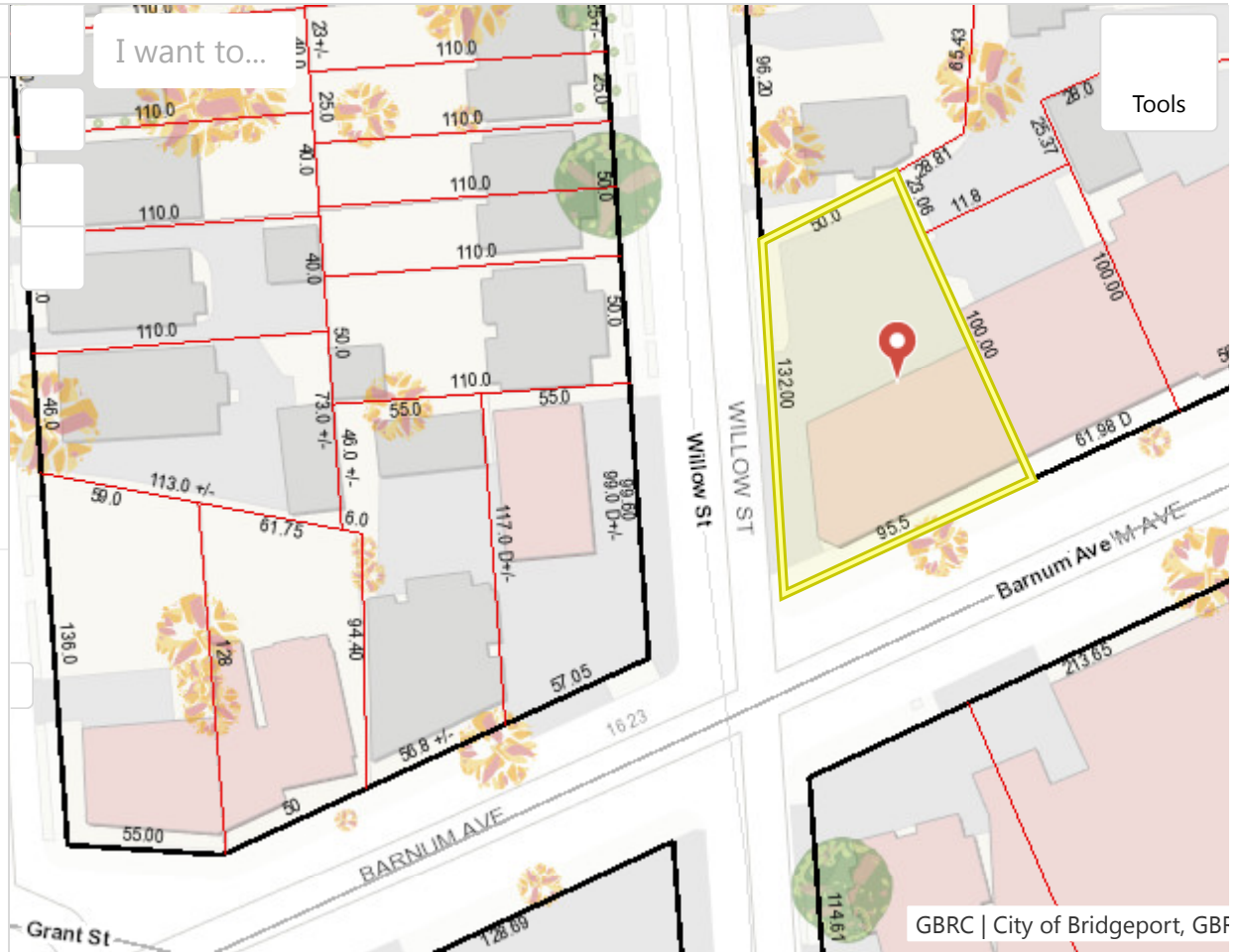
Search...

Parcels (1)

☆ Site Address: 1697 BARNUM AV



[Field Card](#) | [Zoom to Feature](#) | [Buffer Feature](#)



Displaying 1 - 1 (Total: 1)

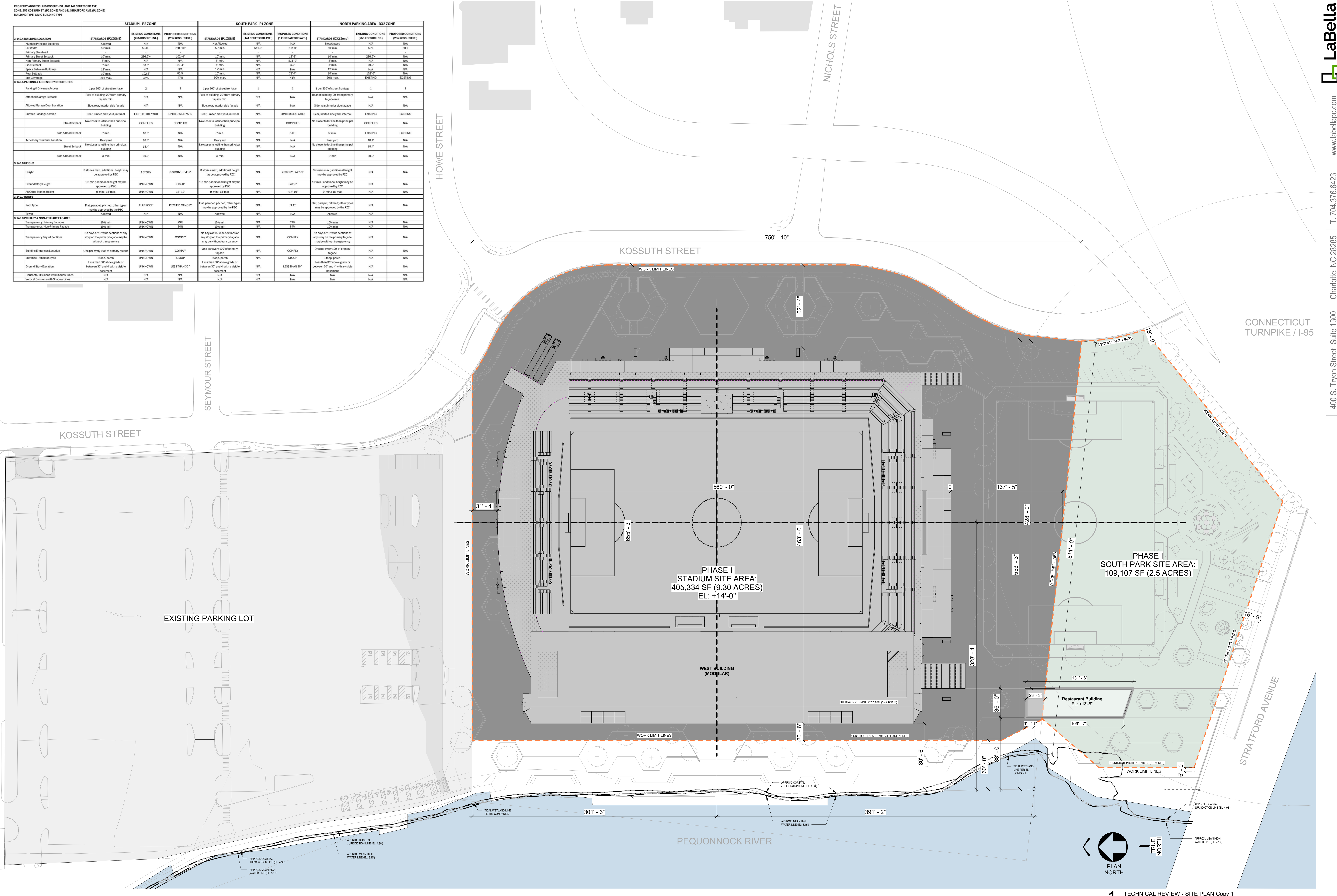
◀ ◀ Page 1 of 1 ▶ ▶

Home Layers Parcels (1)

Basemaps



3.140 BUILDING LOCATION	STADIUM - P2 ZONE			SOUTH PARK - P1 ZONE			NORTH PARKING AREA - DX2 ZONE		
	STANDARDS (P2 ZONE)	EXISTING CONDITIONS (258 KOSSUTH ST.)	PROPOSED CONDITIONS (258 KOSSUTH ST.)	STANDARDS (P1 ZONE)	EXISTING CONDITIONS (141 STRATFORD AVE.)	PROPOSED CONDITIONS (141 STRATFORD AVE.)	STANDARDS (DX2 ZONE)	EXISTING CONDITIONS (258 KOSSUTH ST.)	PROPOSED CONDITIONS (258 KOSSUTH ST.)
Multiple Principal Buildings	Allowed	N/A	N/A	Not Allowed	N/A	N/A	Not Allowed	N/A	N/A
Lot Width	50 min.	50'-0"	750'-10"	100 min.	113.0'	113.0'	100 min.	113.0'	113.0'
Primary Street	10 min.	100'-0"	110'-0"	10 min.	N/A	110'-0"	10 min.	200'-0"	N/A
Non-Primary Street	5 min.	N/A	N/A	5 min.	N/A	210'-0"	5 min.	N/A	N/A
Side Setback	5 min.	60.0'	31'-4"	5 min.	N/A	5.0'	5 min.	60.0'	N/A
Rear Setback	10 min.	N/A	N/A	10 min.	N/A	N/A	10 min.	N/A	N/A
Side Coverage	50% max.	45%	47%	50% max.	N/A	45%	50% max.	EXISTING	EXISTING
3.140.5 PARKING & ACCESSORY STRUCTURES									
Parking & Driveway Access	1 per 300' of street frontage	2	2	1 per 300' of street frontage	1	1	1 per 300' of street frontage	1	1
Attached Garage Setback	Rear of building, 20' from primary facade min.	N/A	N/A	Rear of building, 20' from primary facade min.	N/A	N/A	Rear of building, 20' from primary facade min.	N/A	N/A
Attached Garage Door Location	Side, rear, interior side facade	N/A	N/A	Side, rear, interior side facade	N/A	N/A	Side, rear, interior side facade	N/A	N/A
Surface Parking Location	Rear, limited side yard, internal	LIMITED SIDE YARD	LIMITED SIDE YARD	Rear, limited side yard, internal	N/A	LIMITED SIDE YARD	Rear, limited side yard, internal	EXISTING	EXISTING
Street Setback	No closer to lot line than principal building	COMPLY	COMPLY	No closer to lot line than principal building	N/A	COMPLY	No closer to lot line than principal building	COMPLY	N/A
Side & Rear Setback	5 min.	13.0'	N/A	5 min.	N/A	5.0'	5 min.	EXISTING	EXISTING
Accessory Structure Location	Rear yard	18'-4"	N/A	Rear yard	N/A	N/A	Rear yard	18'-4"	N/A
Street Setback	No closer to lot line than principal building	18'-4"	N/A	No closer to lot line than principal building	N/A	N/A	No closer to lot line than principal building	18'-4"	N/A
Side & Rear Setback	3 min.	60.0'	N/A	3 min.	N/A	N/A	3 min.	60.0'	N/A
3.140.6 HEIGHT									
Height	3 stories max., additional height may be approved by PZC	1 STORY	3 STORY - 46'-2"	3 stories max., additional height may be approved by PZC	N/A	2 STORY - 46'-4"	3 stories max., additional height may be approved by PZC	N/A	N/A
Ground Story Height	10' min., additional height may be approved by PZC	UNKNOWN	+18'-8"	10' min., additional height may be approved by PZC	N/A	+28'-8"	10' min., additional height may be approved by PZC	N/A	N/A
All Other Stories Height	8' min., 18' max.	UNKNOWN	12', 12'	8' min., 18' max.	N/A	+17'-10"	8' min., 18' max.	N/A	N/A
3.140.7 ROOF									
Roof Type	Flat, gabled, pitched, other types may be approved by PZC	FLAT ROOF	PITCHED CANOPY	Flat, gabled, pitched, other types may be approved by PZC	N/A	FLAT	Flat, gabled, pitched, other types may be approved by PZC	N/A	N/A
3.140.8 PRIMARY & NON-PRIMARY FACADES									
Transparency, Primary Facades	10% min.	UNKNOWN	25%	10% min.	N/A	77%	10% min.	N/A	N/A
Transparency, Non-Primary Facades	20% min.	UNKNOWN	35%	20% min.	N/A	64%	20% min.	N/A	N/A
Transparency Bays & Sections	No bays or 10' wide sections of any story on the primary facade may be without transparency	UNKNOWN	COMPLY	No bays or 10' wide sections of any story on the primary facade may be without transparency	N/A	COMPLY	No bays or 10' wide sections of any story on the primary facade may be without transparency	N/A	N/A
Building Entrances Location	One per every 100' of primary facade	UNKNOWN	COMPLY	One per every 100' of primary facade	N/A	COMPLY	One per every 100' of primary facade	N/A	N/A
Entrance Transition Type	Stoop, porch	UNKNOWN	STOOP	Stoop, porch	N/A	STOOP	Stoop, porch	N/A	N/A
Ground Story Elevation	Less than 30" above grade or between 30" and 4" with a visible transition	UNKNOWN	LESS THAN 30"	Less than 30" above grade or between 30" and 4" with a visible transition	N/A	LESS THAN 30"	Less than 30" above grade or between 30" and 4" with a visible transition	N/A	N/A
Horizontal Divisions with Shadow Lines	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Vertical Divisions with Shadow Lines	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



1 TECHNICAL REVIEW - SITE PLAN Copy 1
 1" = 40'-0"

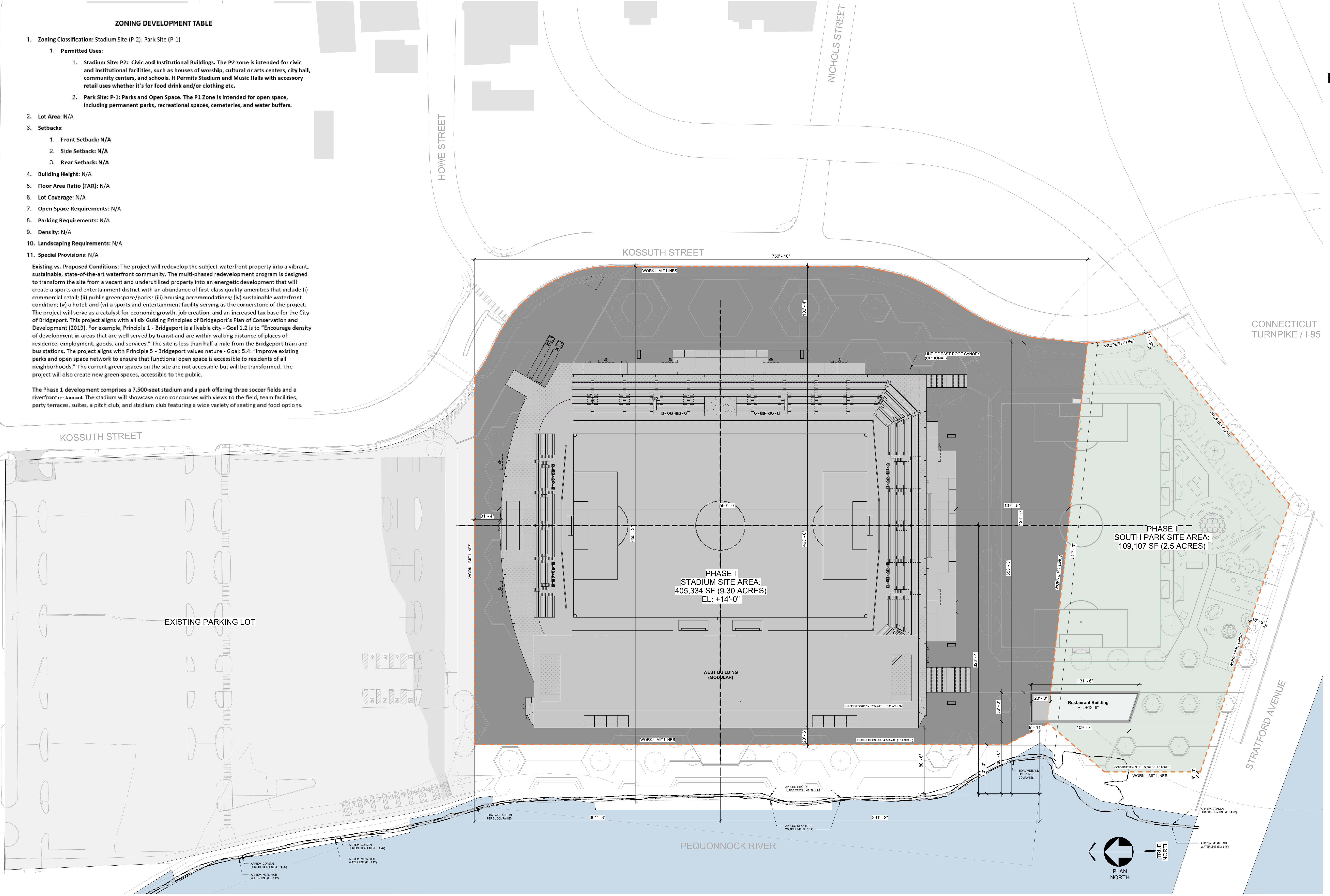
ZONING DEVELOPMENT TABLE

1. Zoning Classification: Stadium Site (P-2), Park Site (P-1)
 1. Permitted Uses:
 1. Stadium Site P2: Civic and Institutional Buildings. The P2 zone is intended for civic and institutional facilities, such as houses of worship, cultural or arts centers, city hall, community centers, and schools. It Permits Stadium and Music Halls with accessory retail uses whether it's for food drink and/or clothing etc.
 2. Park Site P-1: Parks and Open Space. The P1 Zone is intended for open space, including permanent parks, recreational spaces, cemeteries, and water buffers.
 2. Lot Area: N/A
 3. Setbacks:
 1. Front Setback: N/A
 2. Side Setback: N/A
 3. Rear Setback: N/A
 4. Building Height: N/A
 5. Floor Area Ratio (FAR): N/A
 6. Lot Coverage: N/A
 7. Open Space Requirements: N/A
 8. Parking Requirements: N/A
 9. Density: N/A
 10. Landscaping Requirements: N/A
 11. Special Provisions: N/A

Existing vs. Proposed Conditions: The project will redevelop the subject waterfront property into a vibrant, sustainable, state-of-the-art waterfront community. The multi-phased redevelopment program is designed to transform the site from a vacant and underutilized property into an energetic development that will create a sports and entertainment district with an abundance of first-class quality amenities that include (i) commercial retail; (ii) public greenspace/parks; (iii) housing accommodations; (iv) sustainable waterfront condition; (v) a hotel; and (vi) a sports and entertainment facility serving as the cornerstone of the project. The project will serve as a catalyst for economic growth, job creation, and an increased tax base for the City of Bridgeport. This project aligns with all six Guiding Principles of Bridgeport's Plan of Conservation and Development (2019). For example, Principle 1 - Bridgeport is a livable city - Goal 1.2 is to "Encourage density of development in areas that are well served by transit and are within walking distance of places of residence, employment, goods, and services." The site is less than half a mile from the Bridgeport train and bus stations. The project aligns with Principle 5 - Bridgeport values nature - Goal: 5.4: "Improve existing parks and open space network to ensure that functional open space is accessible to residents of all neighborhoods." The current green spaces on the site are not accessible but will be transformed. The project will also create new green spaces, accessible to the public.

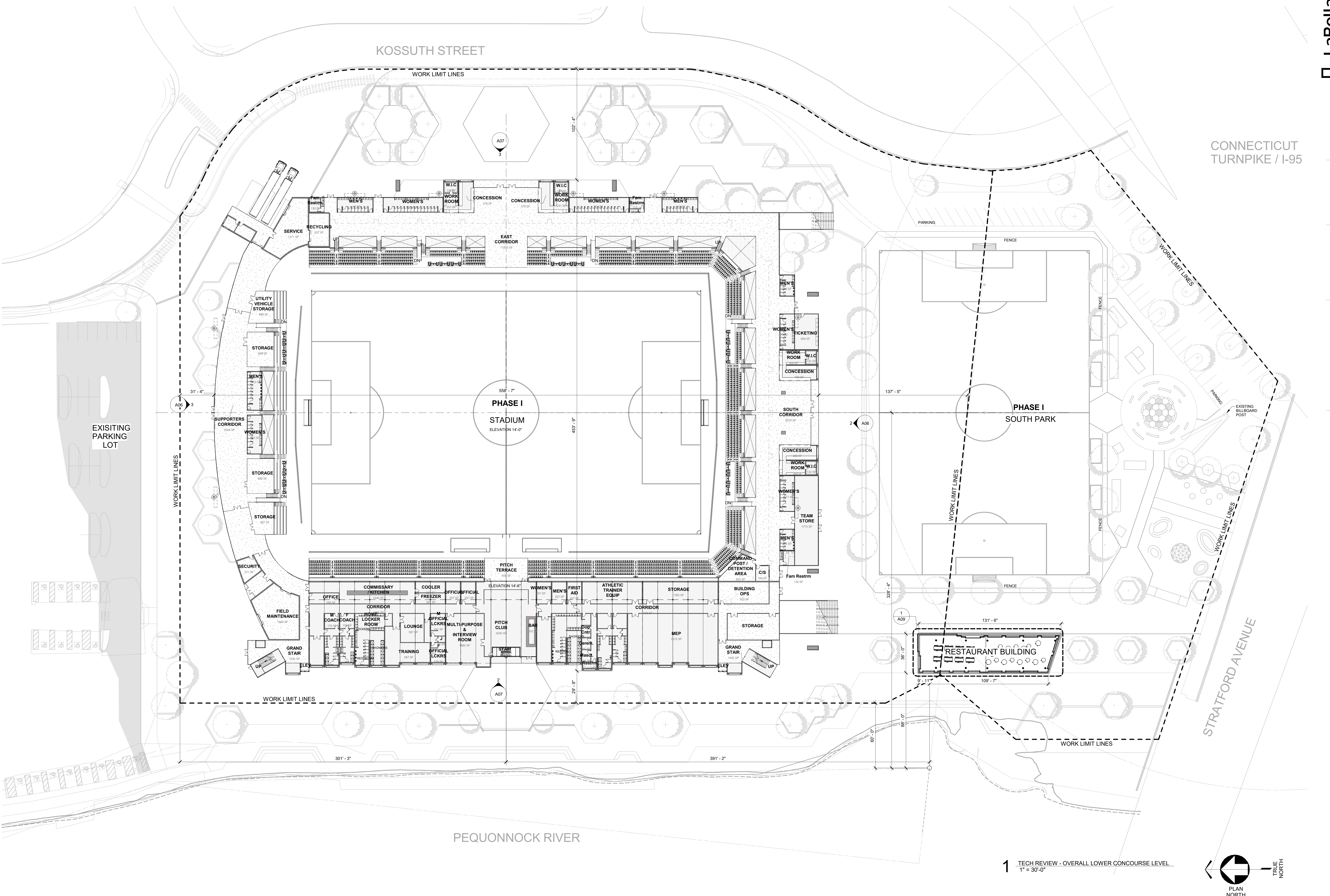
The Phase 1 development comprises a 7,500-seat stadium and a park offering three soccer fields and a riverfront restaurant. The stadium will showcase open concourses with views to the field, team facilities, party terraces, suites, a pitch club, and stadium club featuring a wide variety of seating and food options.

CONNECTICUT
TURNPIKE / I-95

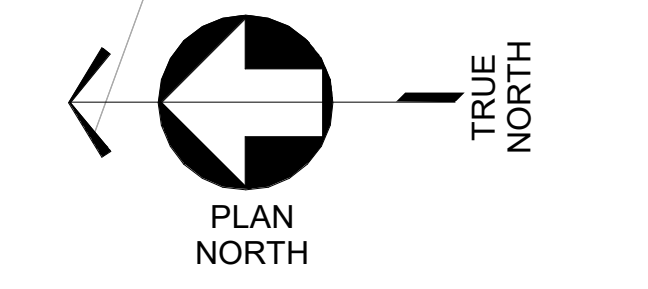


1 TECHNICAL REVIEW - SITE PLAN
1" = 40'-0"

CONNECTICUT
TURNPIKE / I-95



1 TECH REVIEW - OVERALL LOWER CONCOURSE LEVEL
1" = 30'-0"



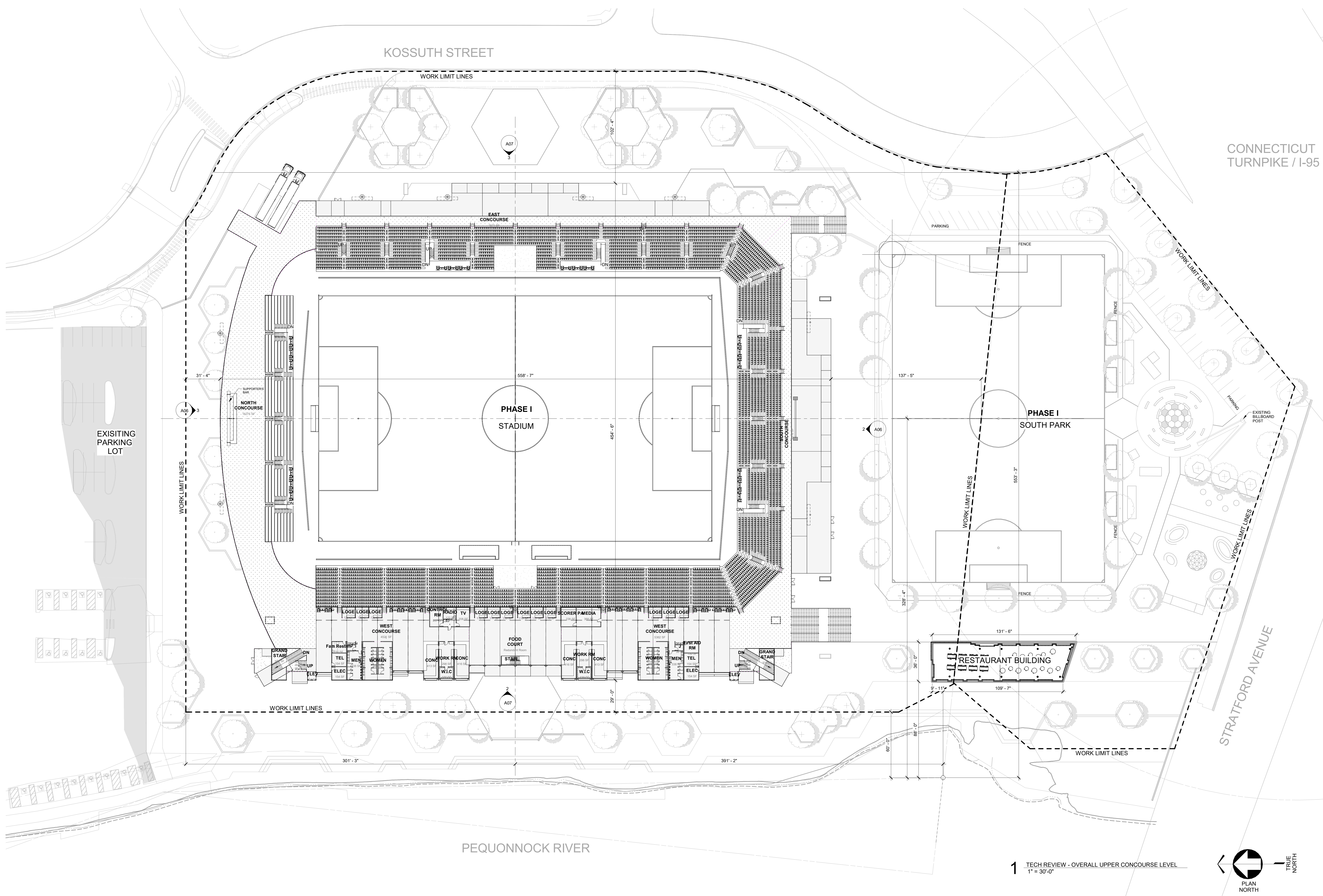
LOWER CONCOURSE FLOOR PLAN

10/11/24

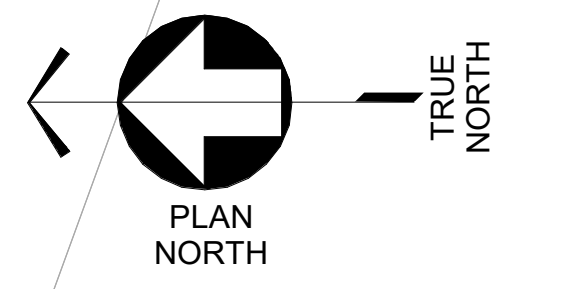
Technical Review Package A02

Bridgeport, Connecticut.

CONNECTICUT
TURNPIKE / I-95



1 TECH REVIEW - OVERALL UPPER CONCOURSE LEVEL
1" = 30'-0"

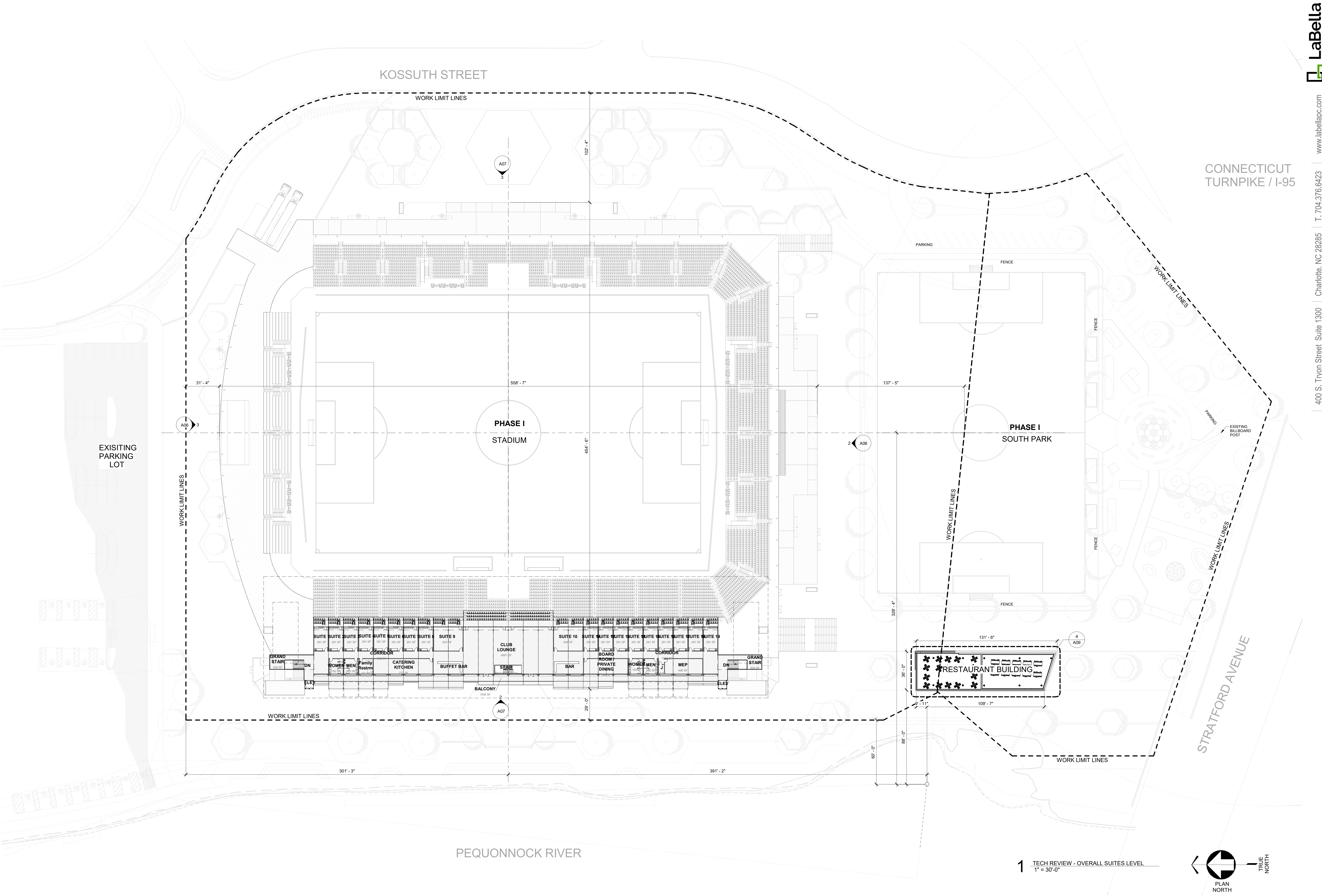


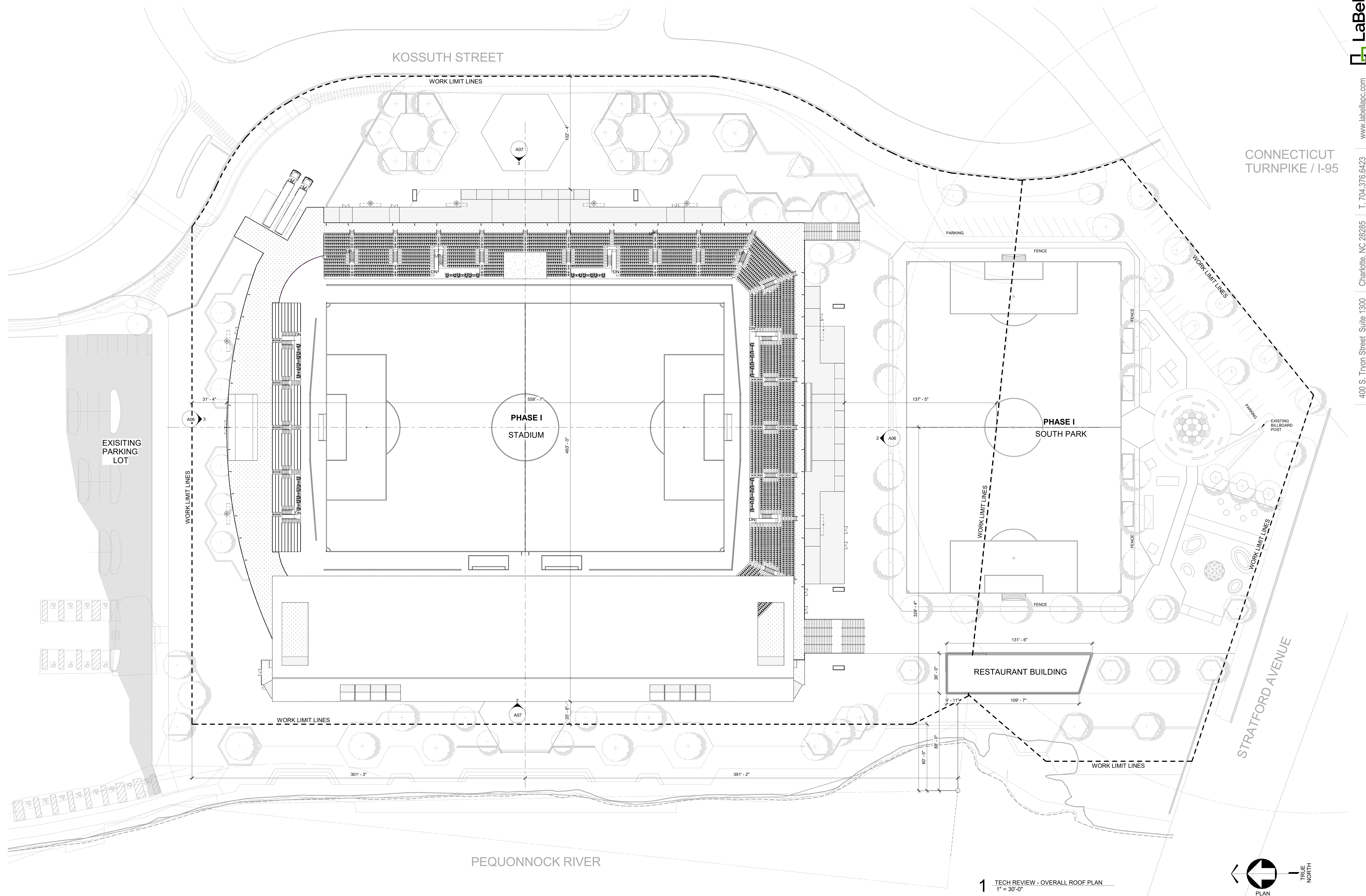
UPPER CONCOURSE FLOOR PLAN

Technical Review Package A03

10/11/24

Bridgeport, Connecticut.





KOSSUTH STREET

WORK LIMIT LINES

PHASE I
STADIUM

PHASE I
SOUTH PARK

RESTAURANT BUILDING

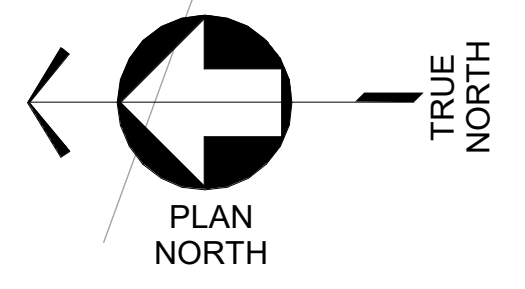
STRATFORD AVENUE

PEQUONNOCK RIVER

EXISTING
PARKING
LOT

CONNECTICUT
TURNPIKE / I-95

1 TECH REVIEW - OVERALL ROOF PLAN
1" = 30'-0"



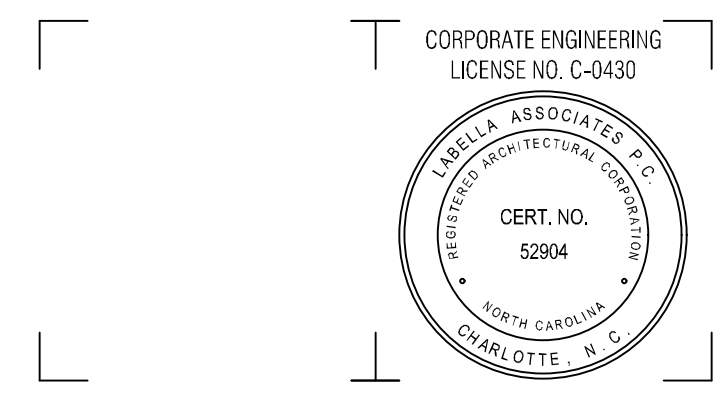
ROOF PLAN

10/11/24

Technical Review Package A05

Bridgeport, Connecticut.

NOT FOR CONSTRUCTION



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**CONNECTICUT
SPORTS GROUP**
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

**BRIDGEPORT STADIUM &
MIXED USE**
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: EP		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

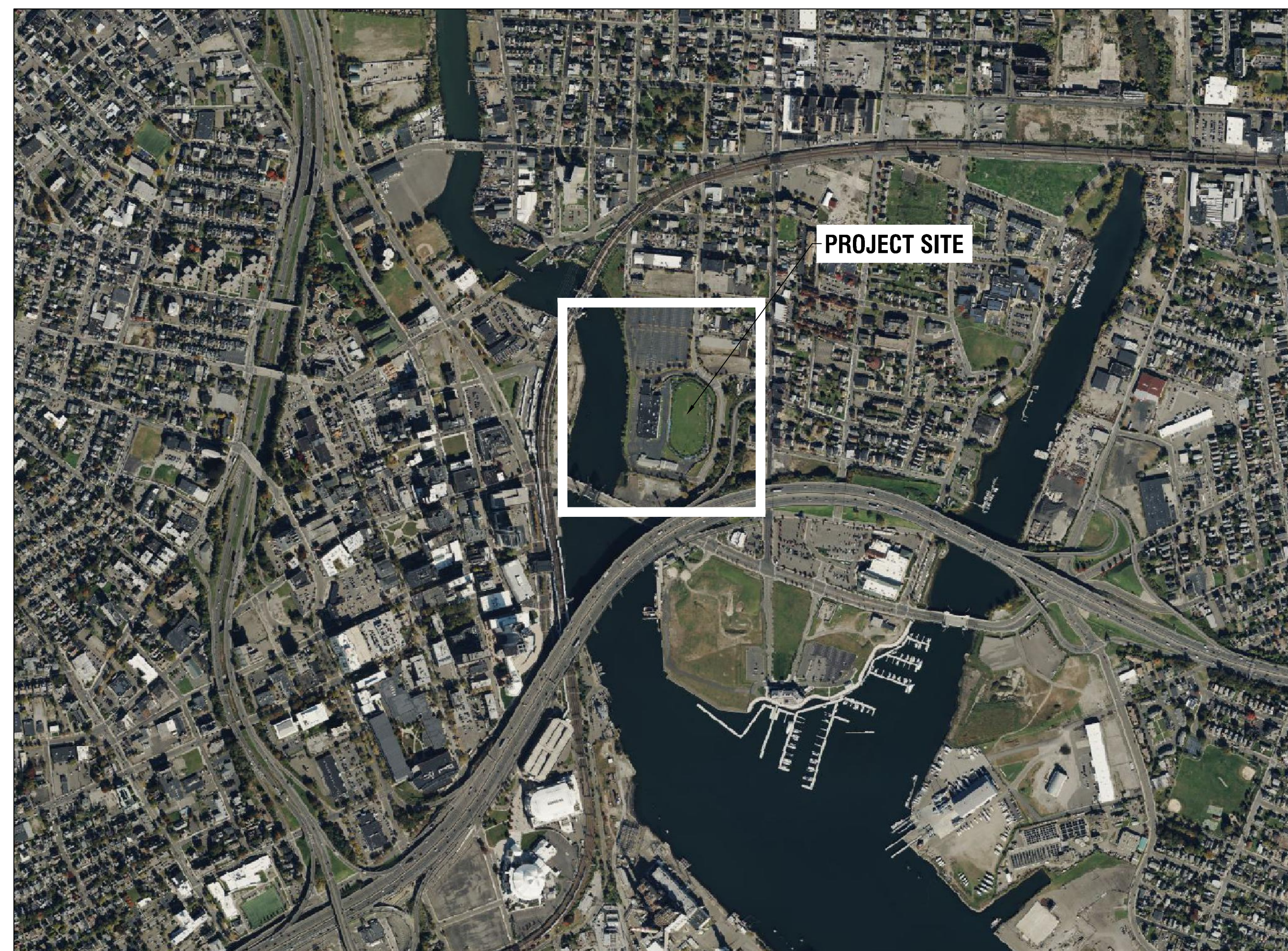
COVER SHEET

DRAWING NUMBER:

G001

BRIDGEPORT STADIUM

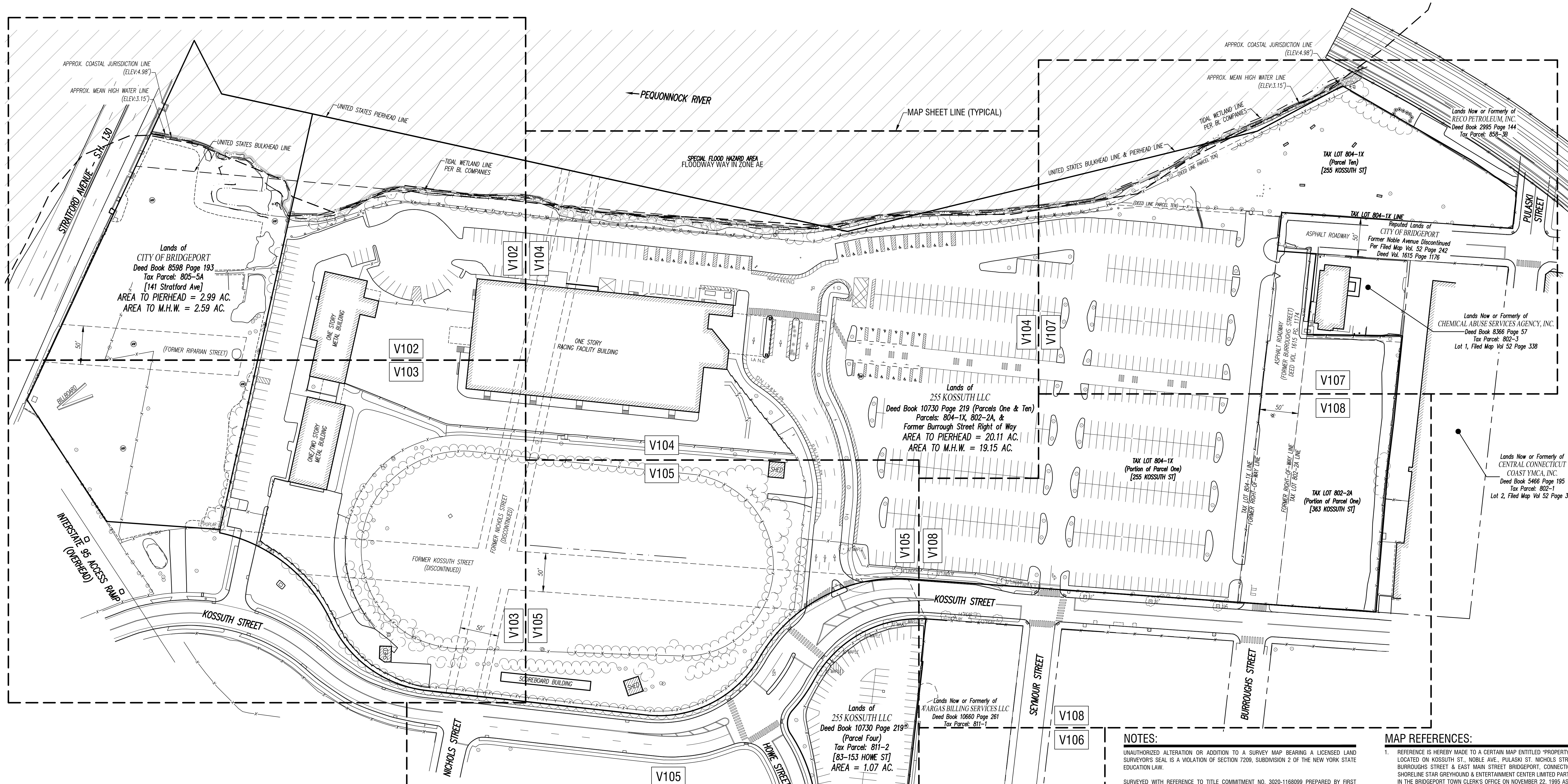
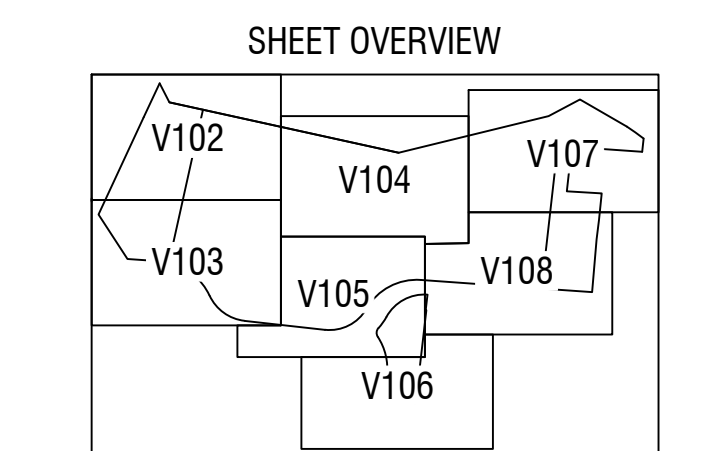
255 KOSSUTH STREET
BRIDGEPORT, CT



LOCATION MAP
N.T.S.

SWANSTON ORGANIZATION

255 KOSSUTH STREET
BRIDGEPORT, CT
PROJECT NO:2230111
OCTOBER 14, 2024



LEGEND

EXISTING CONDITIONS:

- PROPERTY LINE NO PHYSICAL BOUNDS
- ADJACENT PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING PROPERTY EASEMENT
- APPROXIMATE MEAN HIGH WATER LINE
- APPROXIMATE COASTAL JURISDICTION LINE
- EXISTING BUILDING
- EXISTING BUILDING FOUNDATION
- EXISTING CURB
- EXISTING GRAVEL DRIVEWAY
- EXISTING GLENDER
- EXISTING FENCE
- EXISTING FENCE/POST
- EXISTING STREAM
- EXISTING TIDAL WETLAND LINE PER BL COMPANIES
- EXISTING TREE LINE
- EXISTING HEDGE LINE
- EXISTING OVERHEAD WIRES
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING UNDERGROUND COMMUNICATIONS LINE
- EXISTING UNDERGROUND CABLE LINE
- EXISTING UNKNOWN UNDERGROUND LINE
- EXISTING UNDERGROUND SEWER LINE
- EXISTING UNDERGROUND STORM LINE
- EXISTING FLOODWAY HATCH
- EXISTING STORM SEWER EASEMENT HATCH
- EXISTING 30' WIDE RIGHT OF WAY IN FAVOR OF BRIDGEPORT HYDRAULIC CO. PER DEED VOL. 1592 PG. 1110 HATCH

SYMBOLS:

- EXISTING BOLLARD
- EXISTING FLAGPOLE
- EXISTING MAILBOX
- EXISTING FENCE POST
- EXISTING GATE POST
- EXISTING POST
- EXISTING MONUMENT
- EXISTING IRON ROD FOUND
- EXISTING CAPPED IRON ROD
- EXISTING MAGNETIC NAIL FOUND
- EXISTING CROSSCUT FOUND
- EXISTING DRILL HOLE FOUND
- EXISTING METAL DETECTED TONE
- EXISTING BENCHMARK
- EXISTING SANITARY MANHOLE
- EXISTING CLEANOUT
- EXISTING DRAINAGE MANHOLE
- EXISTING CATCH BASIN
- EXISTING YARD DRAIN
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC HAND HOLE
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC TRANSFORMER
- EXISTING GUY WIRE
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE W/ LIGHT
- EXISTING LIGHT POLE
- EXISTING PANEL/SWITCH BOX
- EXISTING CONDUIT TO/FROM UNDERGROUND
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE MARKER
- EXISTING SPOOT
- EXISTING HYDRANT
- EXISTING AUTO SPKLR. HYDRANT
- EXISTING WATER VALVE
- EXISTING TRAFFIC SIGNAL CONTROL BOX
- EXISTING TRAFFIC SIGNAL HEAD
- EXISTING TRAFFIC SIGNAL POLE
- EXISTING PEDESTRIAN SIGNAL POLE
- EXISTING CABLE TV PEDESTAL
- EXISTING TELEPHONE MANHOLE
- EXISTING UNKNOWN MANHOLE
- EXISTING MONITORING WELL
- EXISTING UTILITY VALVE
- EXISTING IRRIGATION CONTROL BOX
- EXISTING IRRIGATION CONTROL VALVE

ABBREVIATIONS:

- EXISTING FINISHED FLOOR ELEVATION
- EXISTING ENTRANCE THRESHOLD ELEVATION
- EXISTING RAW ELEVATION
- EXISTING INVERT ELEVATION
- EXISTING MEAN HIGH WATER

NOTES:

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

SURVEYED WITH REFERENCE TO TITLE COMMITMENT NO. 3020-118099 PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT DATE MARCH 2, 2023.

SUBJECT TO COVENANTS, EASEMENTS, RESTRICTIONS, CONDITIONS AND AGREEMENTS OF RECORD.

CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR PROFESSIONAL LAND SURVEYORS AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON SO NOTED. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS, OR SUBSEQUENT OWNERS.

SURVEYED FROM RECORD DESCRIPTION AND AS IN POSSESSION.

BUILDINGS SHOWN HEREON SERVED BY UNDERGROUND UTILITIES.

TOPOGRAPHY SHOWN HEREON WAS COMPILED FROM AERIAL TOPOGRAPHY COMPLETED BY BLUESKY GEOSPATIAL LTD., DATED FEBRUARY 25, 2024, DATUM NAVD-88, 1 FOOT CONTOUR INTERVAL IN COMBINATION WITH SUPPLEMENTAL FIELD SURVEY COMPLETED APRIL 16, 2024 BY LABELLA ASSOCIATES PC, DATUM NAVD-88.

SEE SHEETS V102 - V108 FOR PROPERTY LINE BEARINGS AND DISTANCES, PLOTTABLE EASEMENT FIGURES, UTILITY STRUCTURES, AND UNDERGROUND UTILITY LINES.

HORIZONTAL CONTROL AND NORTH ORIENTATION ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD83) AS DERIVED FROM ON SITE GNSS OBSERVATIONS DATED JANUARY 30, 2024 OF PUBLISHED NATIONAL GEODETIC SURVEY BENCHMARK 108851.

MEAN HIGH WATER AND COASTAL JURISDICTION LINE ELEVATIONS SHOWN HEREON PER NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION STATION B467150, BRIDGEPORT CT, NATIONAL TIDAL DATUM NAVD88, EPOCH 1985-2001.

TIDAL WETLAND LINE SHOWN HEREON RECEIVED BY THIS OFFICE ON JULY 17, 2024 FROM BL COMPANIES. NO WETLAND FLAGS RECOVERED AT TIME OF FIELD SURVEY.

UNDERGROUND UTILITIES SHOWN HEREON ARE THE RESULT OF AN UNDERGROUND UTILITY DESIGNATION COMPLETED BY LABELLA ASSOCIATES PC ON APRIL 16, 2024, AND FROM DATA OBTAINED FROM RECORD MAPS AND DRAWINGS. THE UTILITY DESIGNATION WAS COMPLETED IN ACCORDANCE WITH THE STANDARD PROCEDURES SET FORTH IN ASCE 38-02. ALL ABOVE GROUND STRUCTURES, SURFACE FEATURES AND THE LOCATION OF THE MARK OUT ARE THE RESULT OF AN INSTRUMENT SURVEY COMPLETED BY THIS OFFICE UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES. THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES AND ONE SAFELY CONNECTICUT MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION OR CONSTRUCTION.

THE CONTRACTOR SHALL COMPLY WITH CONNECTICUT STATE INDUSTRIAL CODE RULE - 48 HOURS PRIOR TO DIGGING CALL (DISABLY) CONNECTICUT 1-800-822-4455 TO HAVE PUBLIC UTILITY LOCATIONS PAINTED.

FLOOD ZONE NOTE:

PARCELS ARE SHOWN TO LE WITHIN "SPECIAL FLOOD HAZARD AREAS - ZONE AE" (BASE FLOOD ELEVATIONS DETERMINED), "FLOODWAY AREAS IN ZONE AE" AND "OTHER AREAS - ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) FOR THE CITY OF BRIDGEPORT, IDENTIFIED AS MAP NUMBER 0901024418 BEARING AN EFFECTIVE DATE OF JULY 8, 2013.

EASTERLY FLOODWAY BOUNDARY LINE SHOWN HEREON SCALED FROM SAID FLOOD INSURANCE RATE MAP. FLOOD ZONE LINES ARE NOT SHOWN HEREON.

- MAP REFERENCES:**
- REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "PROPERTY SURVEY PROPERTY LOCATED ON KOSSUTH ST., NOBLE AVE., PLAZA ST., NICHOLS STREET, HOWE STREET, BURROUGHS STREET & EAST MAIN STREET BRIDGEPORT, CONNECTICUT PREPARED FOR SHORELINE STAR GREYHOUND & ENTERTAINMENT CENTER LIMITED PARTNERSHIP" AND FILED IN THE BRIDGEPORT TOWN CLERK'S OFFICE ON NOVEMBER 22, 1995 AS FILED MAP VOLUME 52 PAGE 342.
 - REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "PROPOSED SUBDIVISION MAP OF PROPERTY IN BRIDGEPORT, CT. PREPARED FOR THE CITY OF BRIDGEPORT CONNECTICUT" AND FILED IN THE BRIDGEPORT TOWN CLERK'S OFFICE ON JULY 27, 1998 AS FILED MAP VOLUME 52 PAGE 338.
 - REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "PROPERTY OF THE HOWE MACHINE COMPANY BRIDGEPORT CONN" AND FILED IN THE BRIDGEPORT TOWN CLERK'S OFFICE ON NOVEMBER 26, 1984 AS FILED MAP VOLUME 1 PAGE 16.
 - REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "PROPERTY SURVEY ALTA/NSP LAND TITLE SURVEY PREPARED FOR 255 KOSSUTH LLC" DATED DECEMBER 8, 2021, AND PREPARED BY SHEVILIN LAND SURVEYING, LLC.
 - REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "FORMER AGI RUBBER CO. SITE 141 & 173 STRATFORD AVE BRIDGEPORT, CONNECTICUT - EXISTING CONDITIONS" DATED MAY 30, 2013, AND PREPARED BY NARS & YOUNG ENGINEERS, INC.
 - REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "ALTA | NSP LAND TITLE SURVEY PREPARED FOR 255 KOSSUTH, LLC - 363 KOSSUTH STREET BRIDGEPORT, CONNECTICUT" DATED DECEMBER 10, 2021, AND PREPARED BY CABEZAS DEANGELIS ENGINEERS & SURVEYORS.
 - REFERENCE IS HEREBY MADE TO A CERTAIN MAP ENTITLED "ALTA | NSP LAND TITLE SURVEY PREPARED FOR 255 KOSSUTH, LLC - 83-153 HOWE STREET BRIDGEPORT, CONNECTICUT" DATED DECEMBER 10, 2021, AND PREPARED BY CABEZAS DEANGELIS ENGINEERS & SURVEYORS.

- DEED REFERENCES:**
- BRIDGEPORT JAI ALAI ASSOCIATES, LLP AND FRISBIE PARK, LLC TO 255 KOSSUTH LLC, DATED FEBRUARY 7, 2022 AND RECORDED IN THE BRIDGEPORT TOWN CLERK'S OFFICE ON MARCH 10, 2022 IN VOLUME 10730 OF DEEDS AT PAGE 218. THE SUBJECT PARCELS SHOWN HEREON (TAX PARCELS 804-1X, 802-2A, 811-2) IS A PORTION OF THE LANDS DESCRIBED IN THIS DEED.
 - A.G.I. RUBBER COMPANY, INC. ET AL TO WATER POLLUTION CONTROL AUTHORITY FOR THE CITY OF BRIDGEPORT DATED APRIL 11, 2011 AND RECORDED IN THE BRIDGEPORT TOWN CLERK'S OFFICE ON MAY 3, 2012 IN VOLUME 8598 OF DEEDS AT PAGE 193, (TAX PARCEL 805-5A)

- TAX PARCEL DESIGNATIONS:**
- CITY OF BRIDGEPORT, FAIRFIELD COUNTY, STATE OF CONNECTICUT
- 804-1X (255 KOSSUTH ST)
 - 802-2A (363 KOSSUTH ST)
 - 811-2 (83-153 HOWE ST)
 - 805-5A (141 STRATFORD AVE)

PRELIMINARY
07/19/2024

STEVEN J. ALEX, L.S. CT # _____
EXP: 01/31/2025

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THAT THIS SURVEY MAP IS BASED ON AN ACTUAL FIELD SURVEY COMPLETED ON APRIL 16, 2024 AND THAT THIS SURVEY MAP WAS MADE BY ME OR UNDER MY DIRECTION, AND CONFORMS WITH THE MINIMUM STANDARD OF PRACTICE ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS.

1 TOPOGRAPHIC & BOUNDARY SURVEY - OVERVIEW
SCALE: 1" = 60'

Drawing Name: C:\Users\jmalone\appdata\local\temp\AutoCAD\2584-05_SVY_2230111_T096-BNDY.dwg
User: jmalone X:84538467-SVY_2230111.X:GDORER_2230111_T096_3062.X:ARNA_2230111
Date Plotted: 07/19/2024 11:38:00am

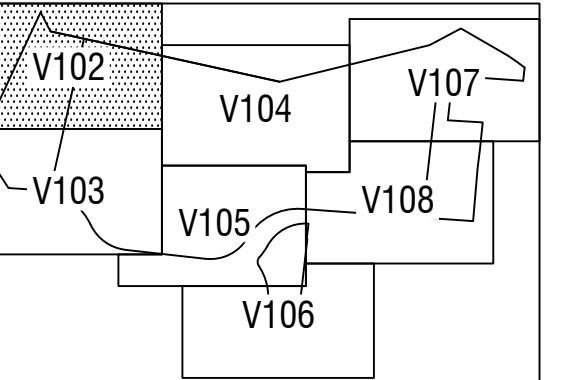
It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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CLIENT:

**SWANSTON
ORGANIZATION, LLC**

SHEET OVERVIEW



PROJECT/SITE:

**83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE**
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2230111

DRAWN BY: FJM

REVIEWED BY: GEW

ISSUED FOR: DESIGN

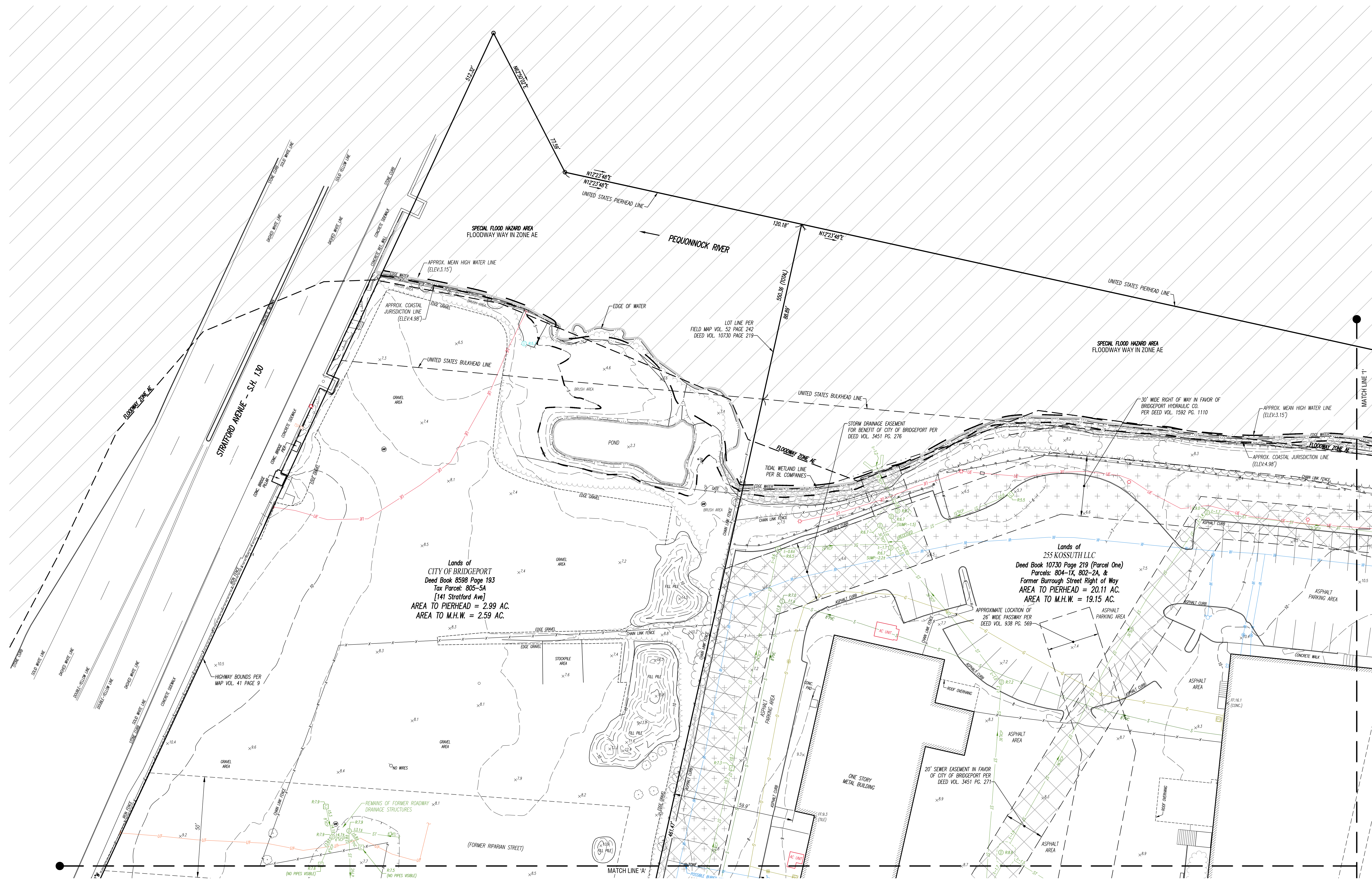
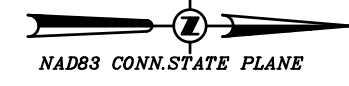
DATE: 07/19/2024

DRAWING NAME:

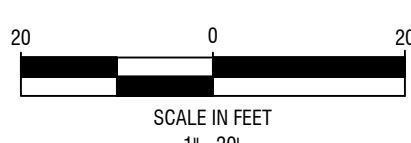
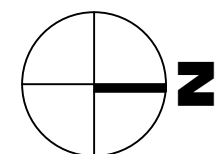
**TOPOGRAPHIC &
BOUNDARY SURVEY
PREPARED FOR SWANSTON
ORGANIZATION, LLC**

DRAWING NUMBER:

V102



1 TOPOGRAPHIC & BOUNDARY SURVEY
V102 SCALE: 1" = 20'



PRELIMINARY
07/19/2024

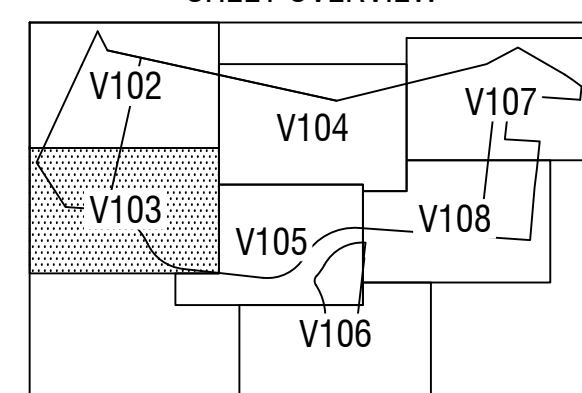
NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.

CLIENT:

SWANSTON ORGANIZATION, LLC

PERPETUAL EASEMENT TO THE CITY OF BRIDGEPORT AND BRIDGEPORT HYDRAULIC CO. PER MAP VOL. 41 PG. 9 & DEED VOL. 968 PG. 310

SHEET OVERVIEW



PROJECT/SITE:

**83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE**
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

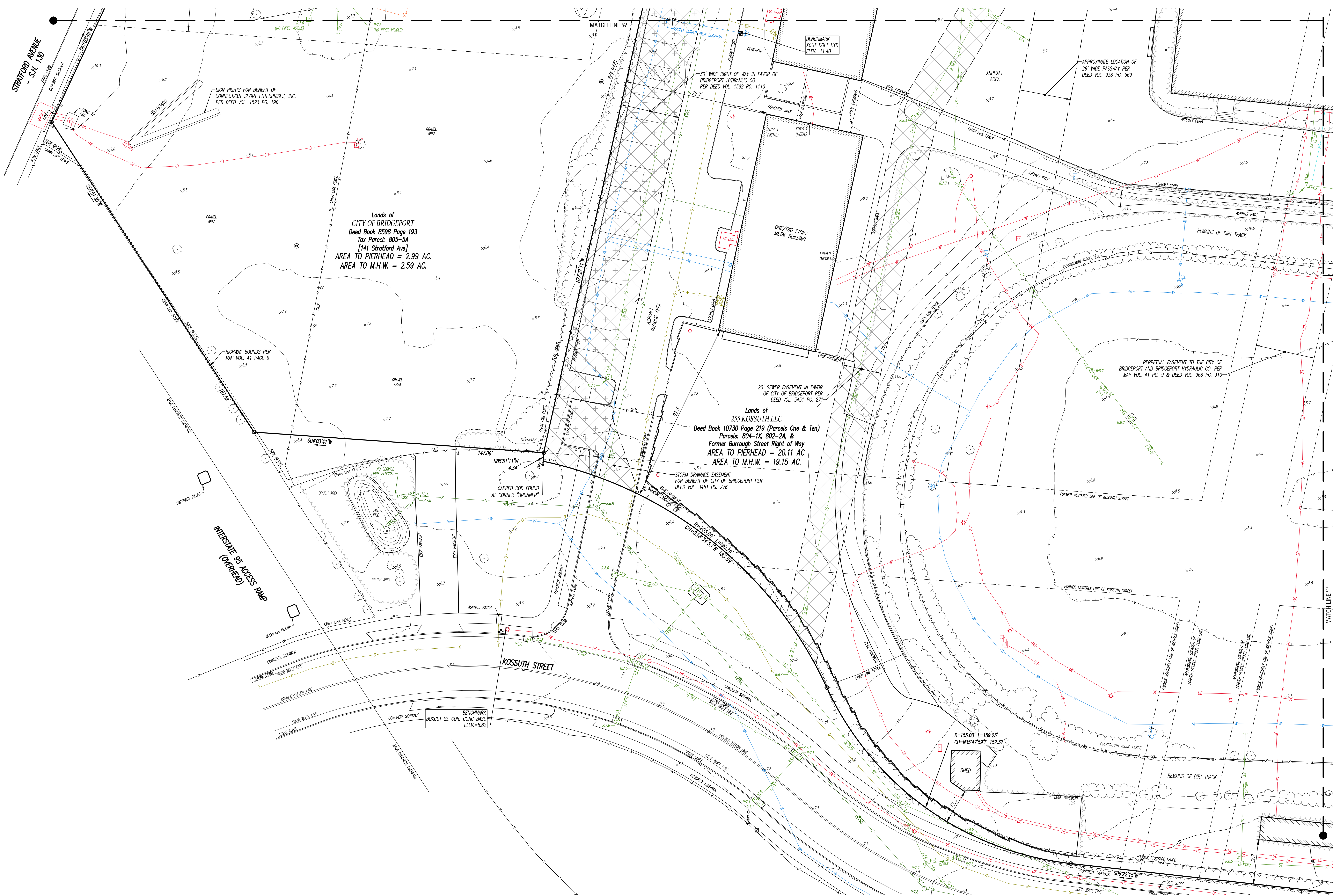
NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER:	2230111
DRAWN BY:	FJM
REVIEWED BY:	GEW
ISSUED FOR:	DESIGN
DATE:	07/19/2024
DRAWING NAME:	

**TOPOGRAPHIC & BOUNDARY SURVEY
PREPARED FOR SWANSTON ORGANIZATION, LLC**

DRAWING NUMBER:

V103



NAD83 CONSTATE PLANE

Lands of
CITY OF BRIDGEPORT
Deed Book 8598 Page 193
Tax Parcel: 805-54
[141 Stratford Ave]
AREA TO PIERHEAD = 2.99 AC.
AREA TO M.H.W. = 2.59 AC.

Lands of
255 KOSSUTH LLC
Deed Book 10730 Page 219 (Parcels One & Ten)
Parcels: 804-1K, 802-2A, &
Former Burrough Street Right of Way
AREA TO PIERHEAD = 20.11 AC.
AREA TO M.H.W. = 19.15 AC.

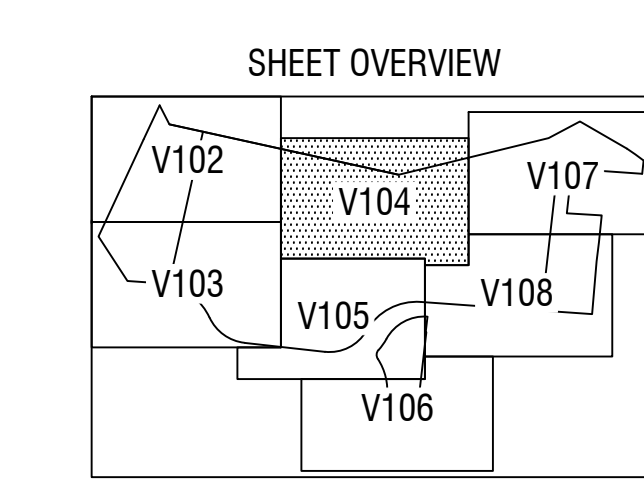
1 TOPOGRAPHIC & BOUNDARY SURVEY
V103 SCALE: 1" = 20'



PRELIMINARY
07/19/2024

NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.

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User: Alexander, K.B.353MAP-SYV-2230111_K.BORNER, 2230111_TDR0_30m2_K.ABERNATHY_2230111
Date Plotted: Sat Jul 19 2024, 11:03am



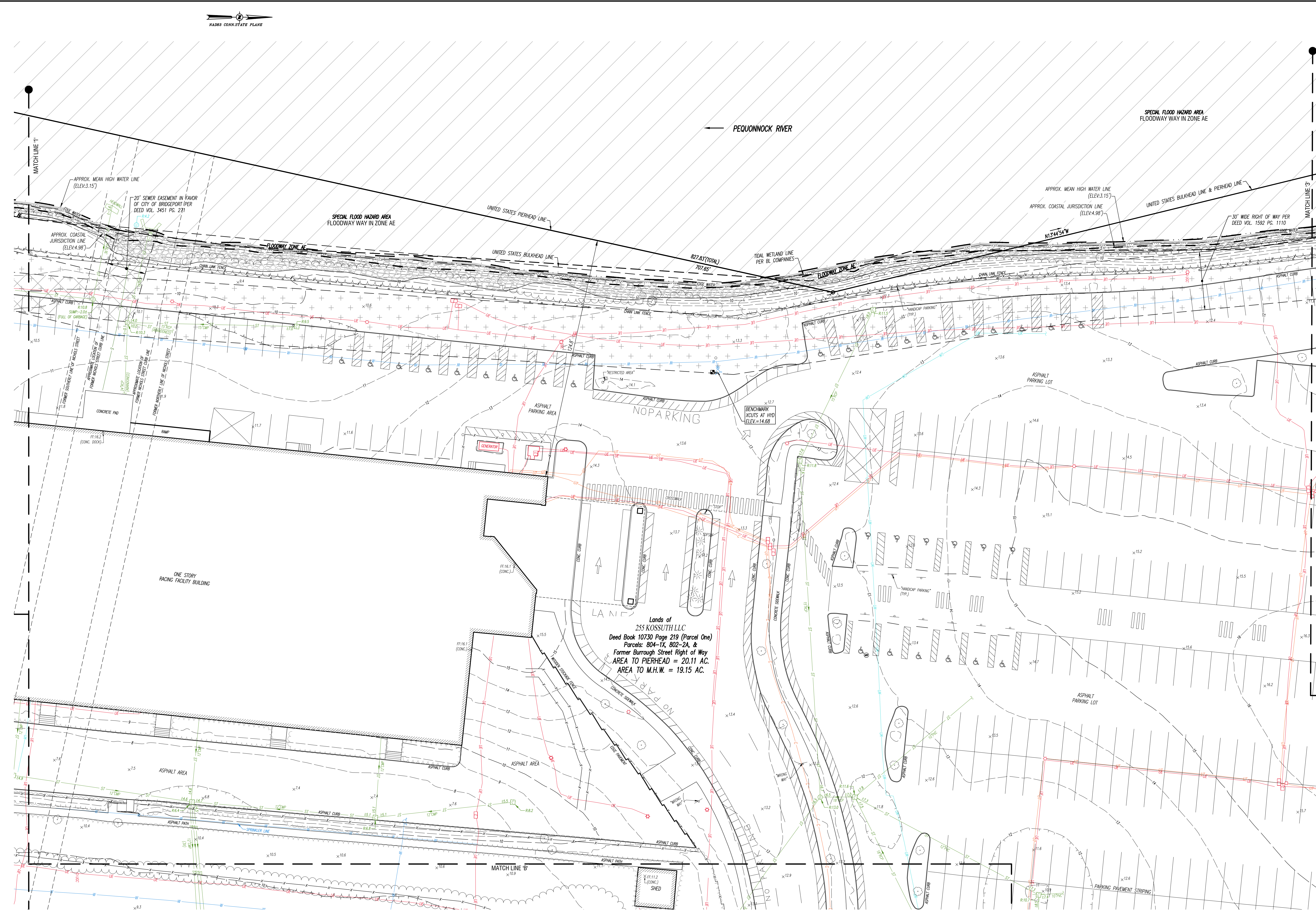
PROJECT/SITE:
83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: FJM		
REVIEWED BY: GEW		
ISSUED FOR: DESIGN		
DATE: 07/19/2024		
DRAWING NAME:		

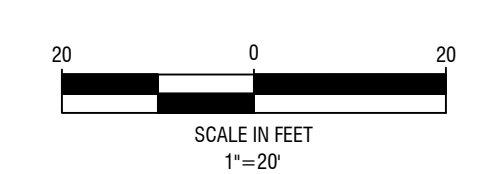
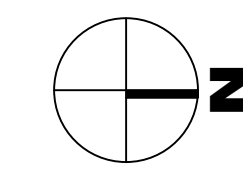
TOPOGRAPHIC & BOUNDARY SURVEY PREPARED FOR SWANSTON ORGANIZATION, LLC

DRAWING NUMBER:

V104

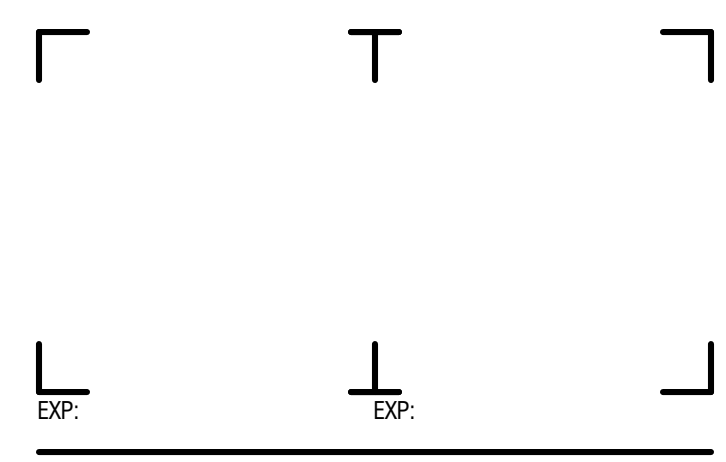


1 TOPOGRAPHIC & BOUNDARY SURVEY
V104 SCALE: 1" = 20'



PRELIMINARY
07/19/2024

NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.

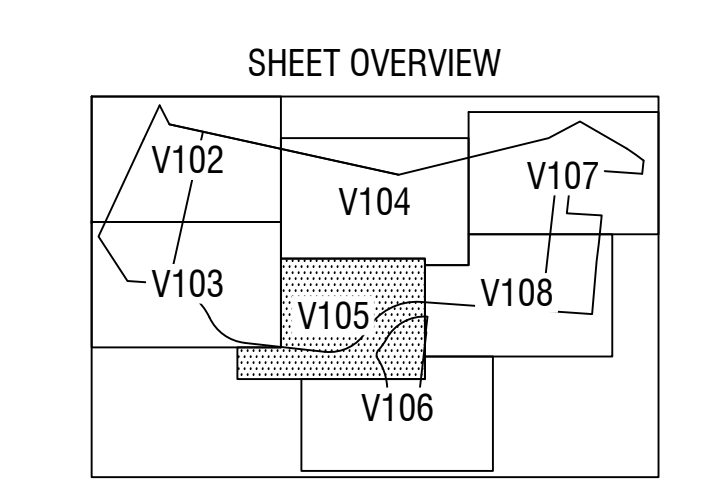


CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017079
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered" followed by their signature and date of such alteration, and a specific description of the alteration.

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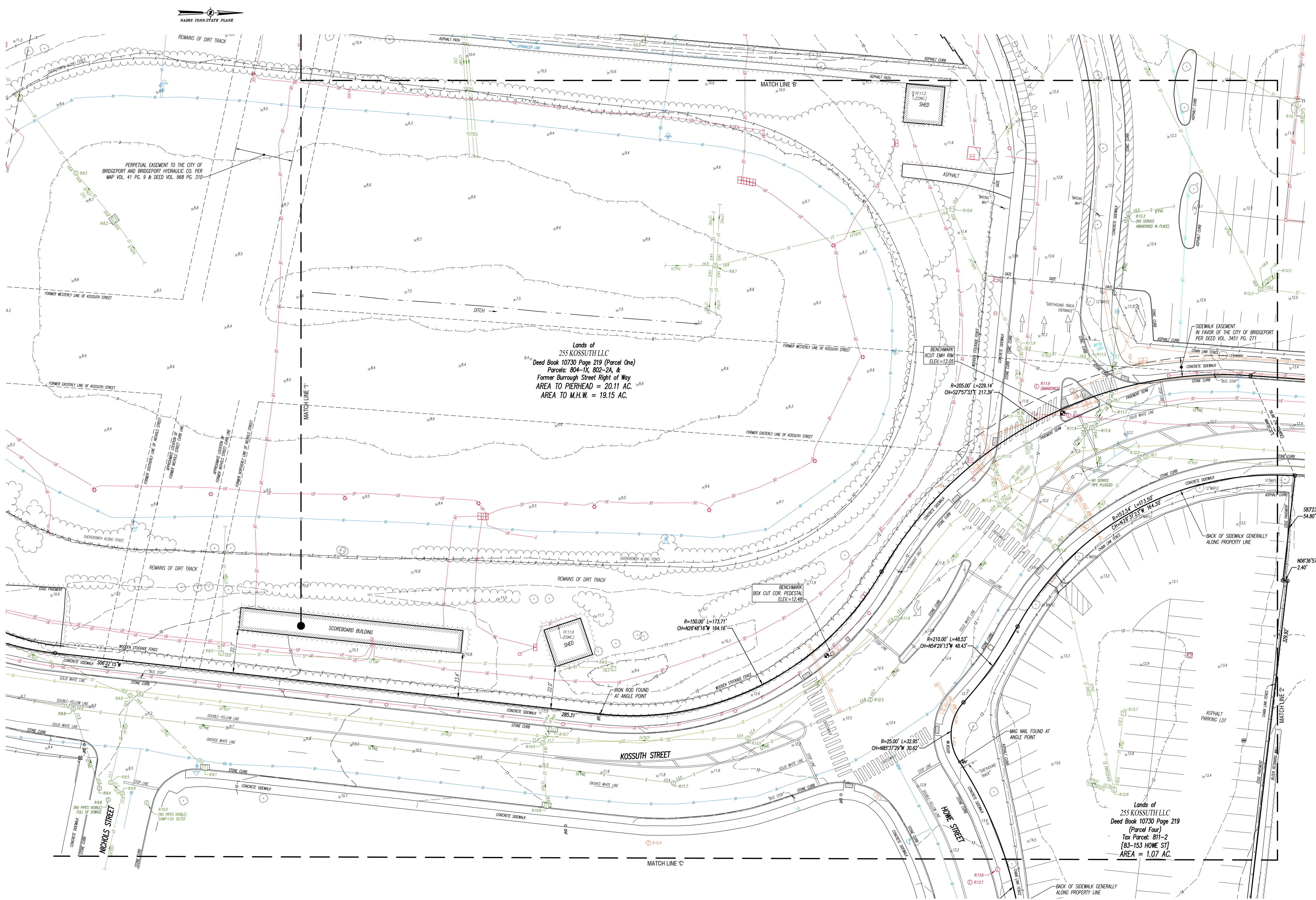
PROJECT/SITE:
**83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE**
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: FJM		
REVIEWED BY: GEW		
ISSUED FOR: DESIGN		
DATE: 07/19/2024		
DRAWING NAME:		

**TOPOGRAPHIC & BOUNDARY SURVEY
PREPARED FOR SWANSTON ORGANIZATION, LLC**

DRAWING NUMBER:

V105



1 TOPOGRAPHIC & BOUNDARY SURVEY
V105 SCALE: 1" = 20'



PRELIMINARY
07/19/2024

NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.

Vertical text on the left margin containing drawing details and dates.

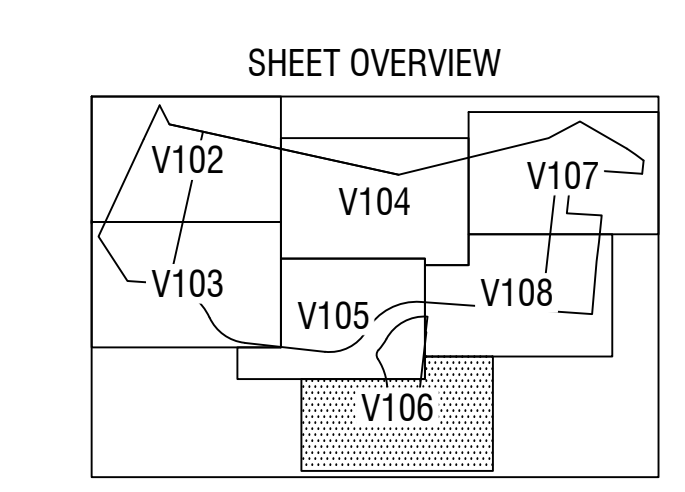
EXP:	EXP:
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CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 018281
LAND SURVEYING: 017978
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered, the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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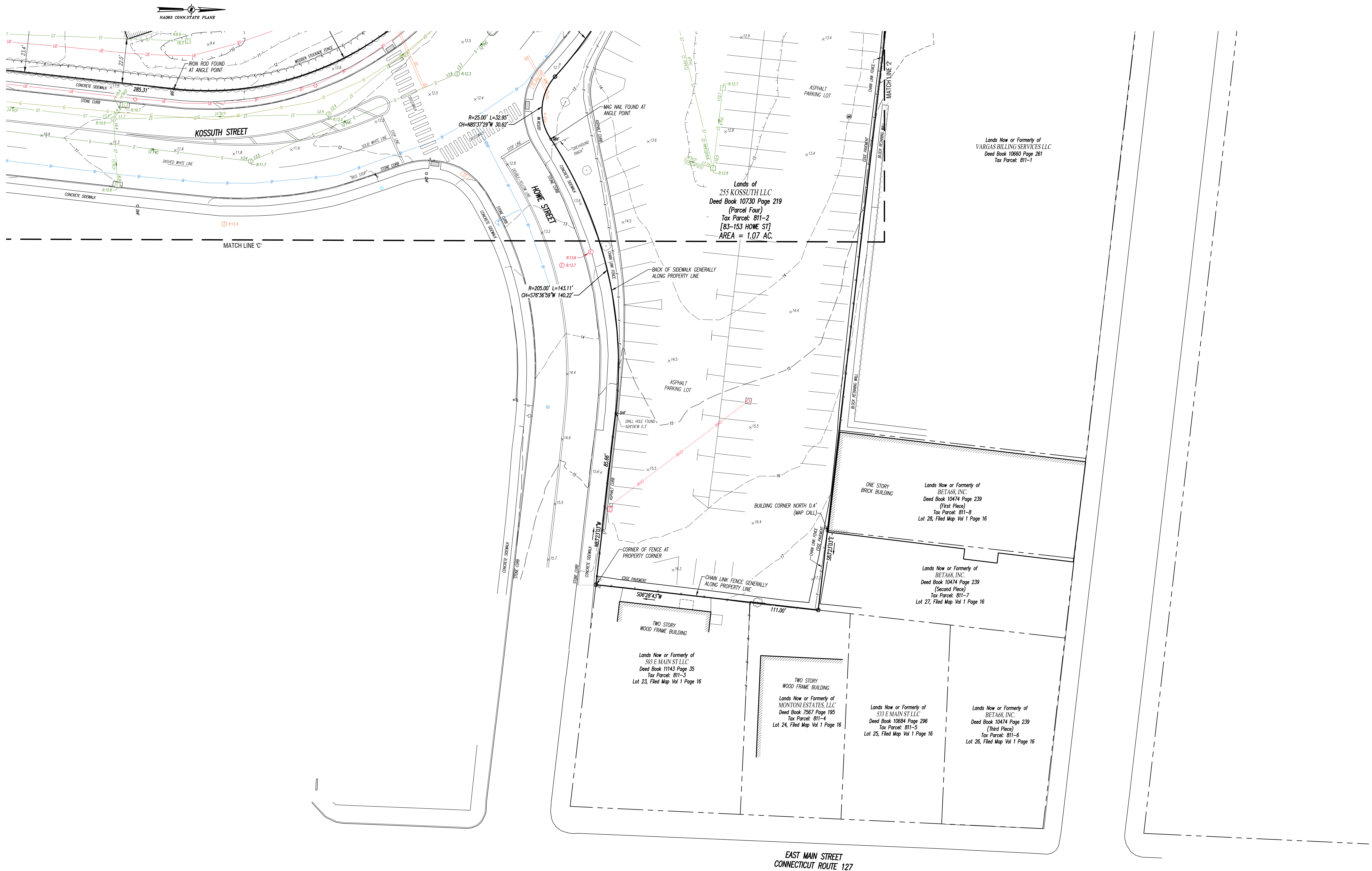
PROJECT/SITE:
83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: FJM		
REVIEWED BY: GEW		
ISSUED FOR: DESIGN		
DATE: 07/19/2024		
DRAWING NAME:		

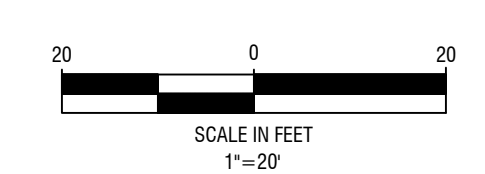
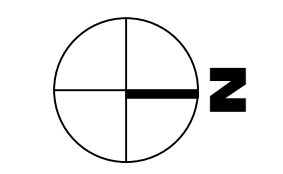
TOPOGRAPHIC & BOUNDARY SURVEY PREPARED FOR SWANSTON ORGANIZATION, LLC

DRAWING NUMBER:

V106

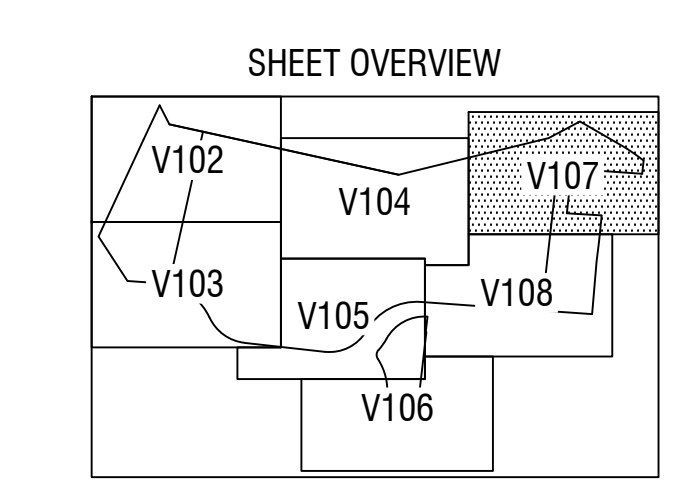


1
V106 TOPOGRAPHIC & BOUNDARY SURVEY
SCALE: 1" = 20'



PRELIMINARY
07/19/2024

NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.



PROJECT/SITE:
**83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE**
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: FJM		
REVIEWED BY: GEW		
ISSUED FOR: DESIGN		
DATE: 07/19/2024		
DRAWING NAME:		

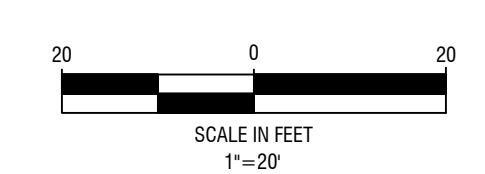
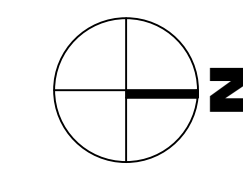
**TOPOGRAPHIC & BOUNDARY SURVEY
PREPARED FOR SWANSTON ORGANIZATION, LLC**

DRAWING NUMBER:

V107



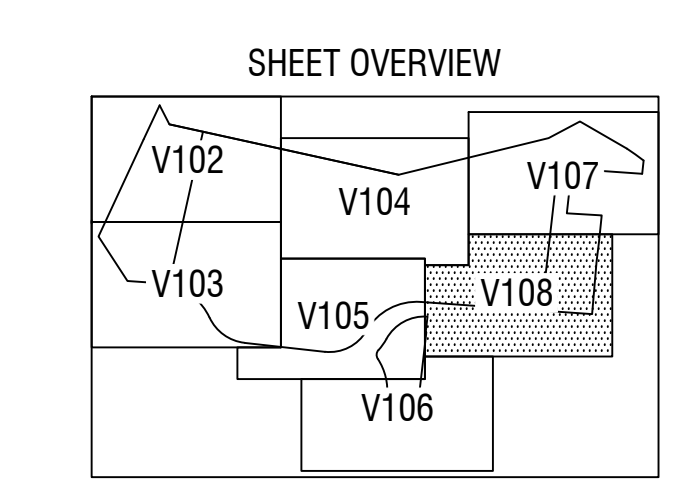
1 TOPOGRAPHIC & BOUNDARY SURVEY
V107 SCALE: 1" = 20'



PRELIMINARY
07/19/2024

NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.

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 XREF: 83-153-MAP-SV_2230111; XREF: 83-153-MAP-SV_2230111; XREF: 83-153-MAP-SV_2230111; XREF: 83-153-MAP-SV_2230111
 Date Plotted: 07/19/2024 11:03am



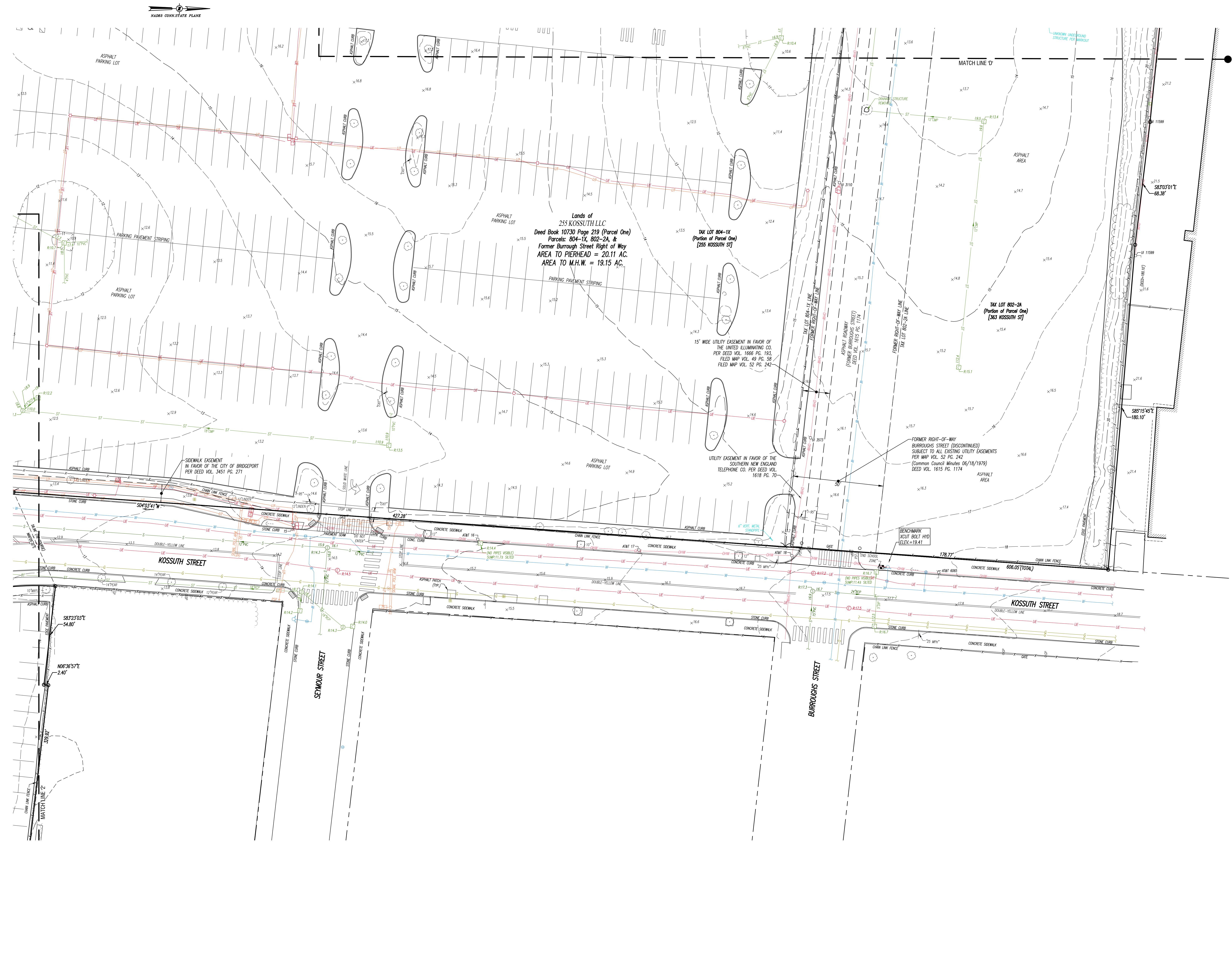
PROJECT/SITE:
83-153 HOWE ST
255 KOSSUTH ST
363 KOSSUTH ST
141 STRATFORD AVE
CITY OF BRIDGEPORT, FAIRFIELD COUNTY,
STATE OF CONNECTICUT

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:	2230111	
DRAWN BY:	FJM	
REVIEWED BY:	GEW	
ISSUED FOR:	DESIGN	
DATE:	07/19/2024	
DRAWING NAME:		

TOPOGRAPHIC & BOUNDARY SURVEY PREPARED FOR SWANSTON ORGANIZATION, LLC

DRAWING NUMBER:

V108



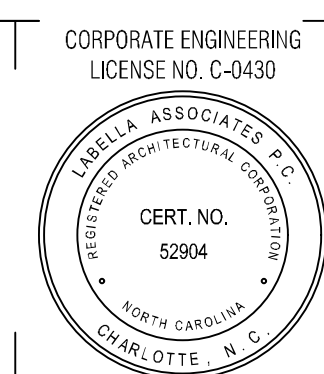
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V108 TOPOGRAPHIC & BOUNDARY SURVEY
SCALE: 1" = 20'



PRELIMINARY
07/19/2024

NOTES:
SEE SHEET V101 FOR SURVEY NOTES, MAP REFERENCES, DEED REFERENCES, TAX PARCEL DESIGNATIONS, FLOOD ZONE NOTE, LEGEND, AND SURVEYOR'S CERTIFICATE.

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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

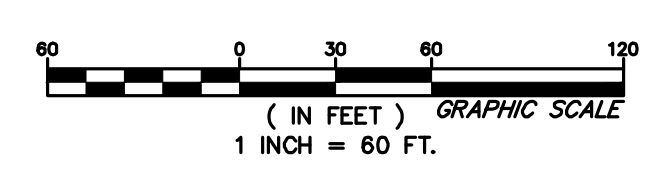
BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

DEMOLITION NOTES:

- BUILDING/STRUCTURE TO BE DEMOLISHED ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE NOT TO BE DEMOLISHED AS PART OF THIS WORK. PRIOR TO DEMOLISHING ANY BUILDING/STRUCTURES, A CONTRACTOR SHALL USE PROVIDED HAZARDOUS MATERIAL SURVEY AS BASIS FOR PERFORMING ANY DEMOLITION IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS GOVERNING THE DISPOSAL OF SOLID WASTE. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS BY THE AUTHORITY HAVING JURISDICTION.
- CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND HAULING, DISPOSAL AND STORAGE OF DEBRIS.
- PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
- MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. DO NOT INTERRUPT EXISTING UTILITIES SERVING OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER AND AUTHORITIES HAVING JURISDICTION.
- NOTIFY ADJACENT OWNERS OF WORK THAT MAY AFFECT THEIR PROPERTY, POTENTIAL NOISE, UTILITY OUTAGE, OR DISRUPTION. COORDINATE WITH OWNER.
- PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
- LOCATE AND IDENTIFY ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREA. DISCONNECT AND SEAL OR CAP OFF UTILITY SERVICES THAT WILL BE AFFECTED BY THIS PROJECT. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED.
- DEMOLISH AND REMOVE COMPONENTS IN AN ORDERLY AND CAREFUL MANNER.
- PROTECT EXISTING FEATURES THAT ARE NOT TO BE DEMOLISHED.
- CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES.
- MAINTAIN EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS, OR SIDEWALKS WITHOUT PERMITS. COORDINATE W/ AUTHORITY HAVING JURISDICTION.
- CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION.
- ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
- FIELD VERIFY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED ON DEMOLITION PLAN TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH SELECTIVE DEMOLITION OPERATIONS.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
- USE WATER MIST, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHEN IT MAY DAMAGE EXISTING CONSTRUCTION, SUCH AS CAUSING ICING, FLOODING, AND TRANSPORTING POLLUTANTS.
- REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. ALL DEBRIS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE AT A FACILITY APPROVED TO RECEIVE THE DEBRIS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN DEMOLISHED MATERIALS ON-SITE.



DEMOLITION PLAN
SCALE: 1" = 60'



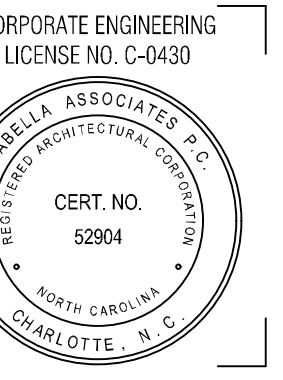
NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2230111
DRAWN BY:		XXX
REVIEWED BY:		JRS
ISSUED FOR:		ISSUED FOR
DATE:		04/08/2024
DRAWING NAME:		

DEMOLITION PLAN

DRAWING NUMBER:

C101

NOT FOR CONSTRUCTION



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**CONNECTICUT
SPORTS GROUP**
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

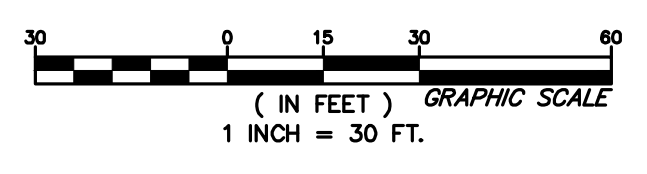
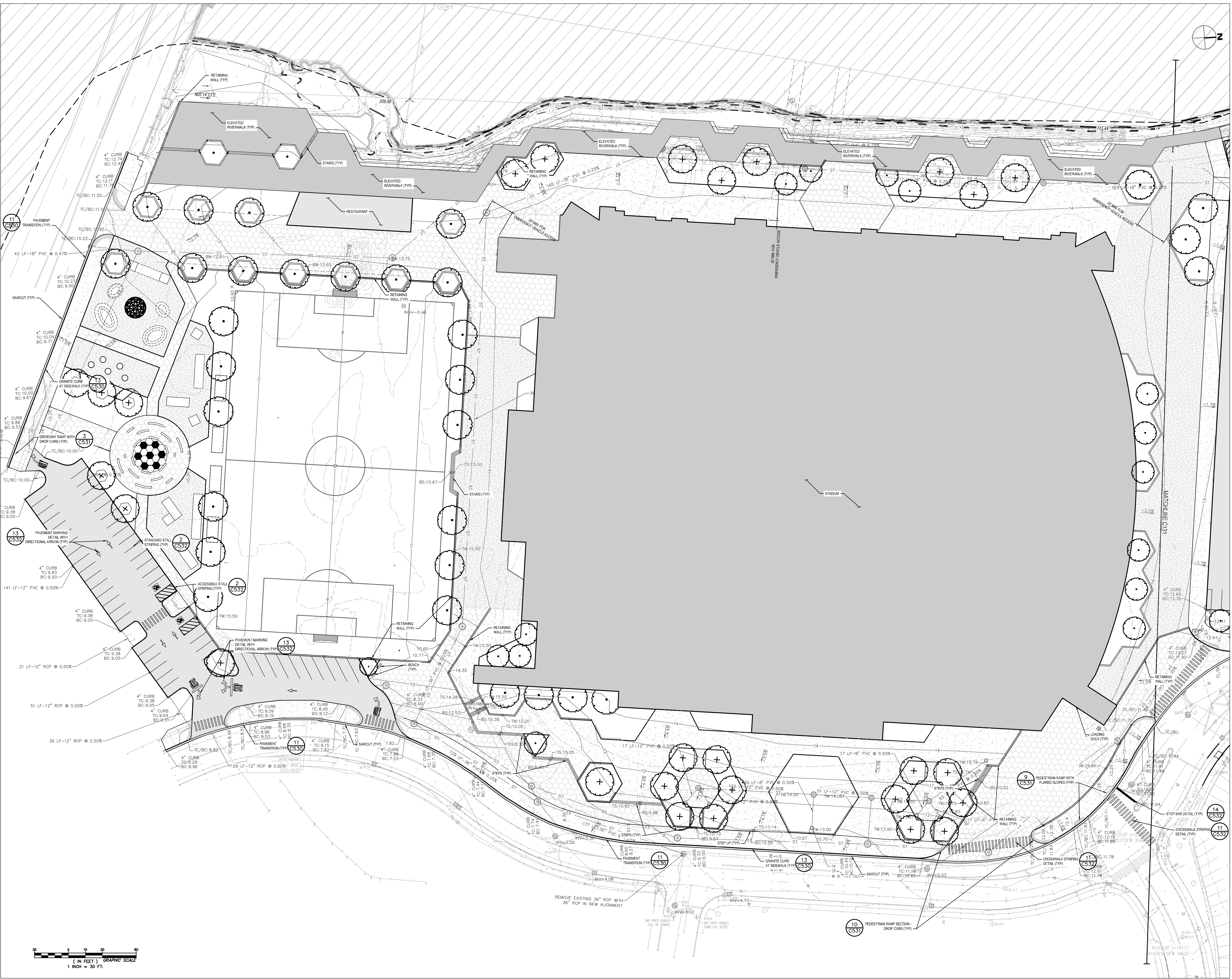
**BRIDGEPORT STADIUM &
MIXED USE**
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2230111
DRAWN BY:		JL
REVIEWED BY:		JRS
ISSUED FOR:		ISSUED FOR
DATE:		04/08/2024
DRAWING NAME:		

SITE PLAN

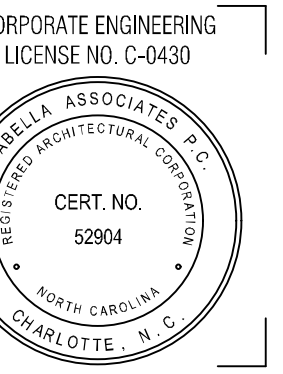
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C130



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**CONNECTICUT
SPORTS GROUP**
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

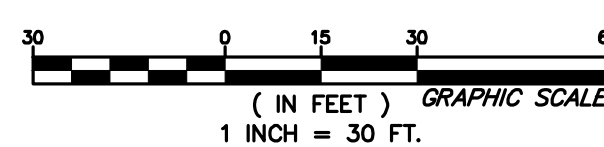
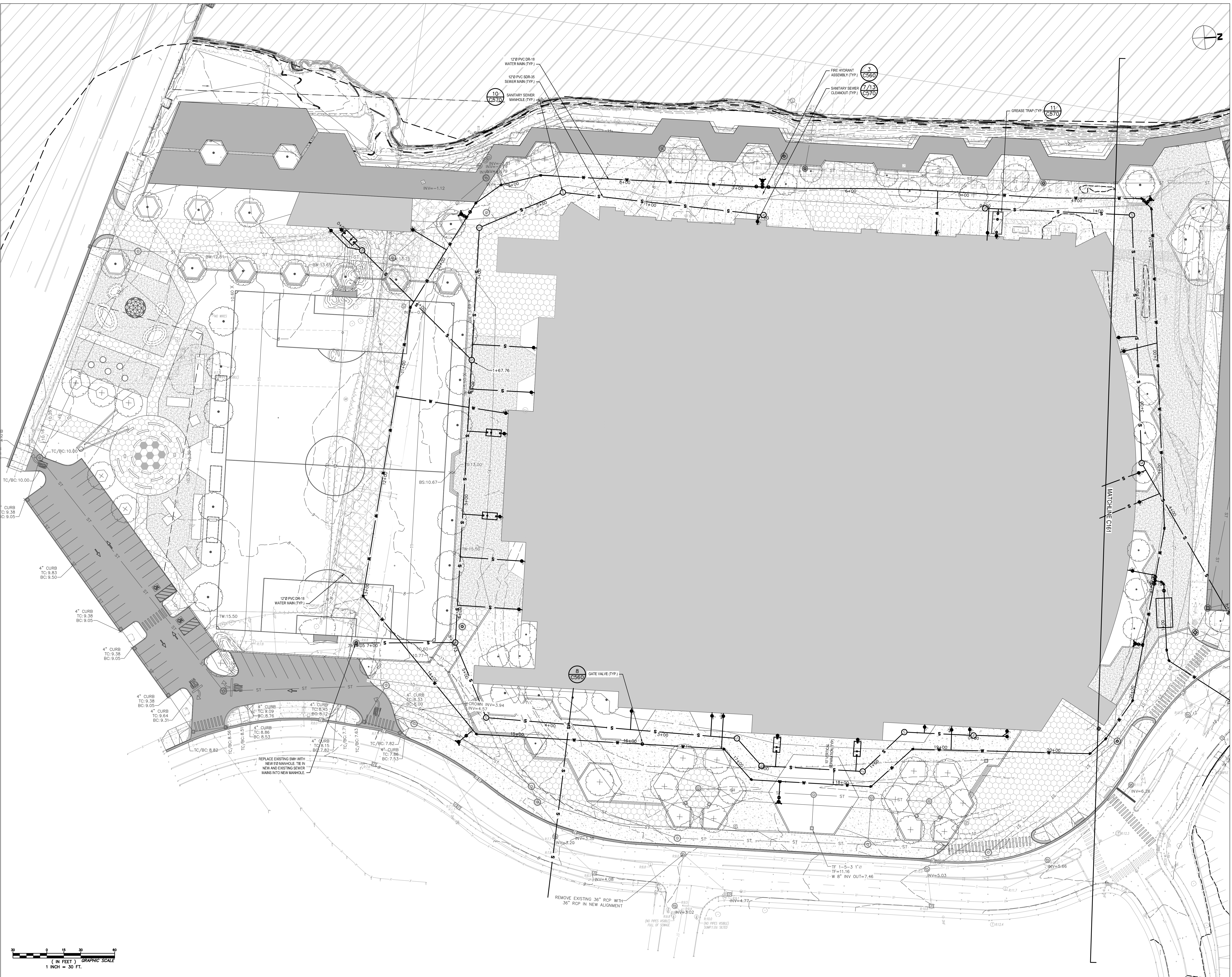
**BRIDGEPORT STADIUM &
MIXED USE**
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2230111
DRAWN BY:		AC
REVIEWED BY:		JRS
ISSUED FOR:		ISSUED FOR
DATE:		04/08/2024
DRAWING NAME:		

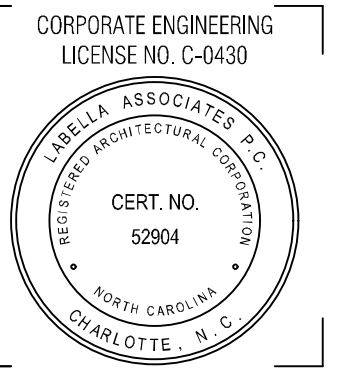
UTILITY PLAN

DRAWING NUMBER:

C160



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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

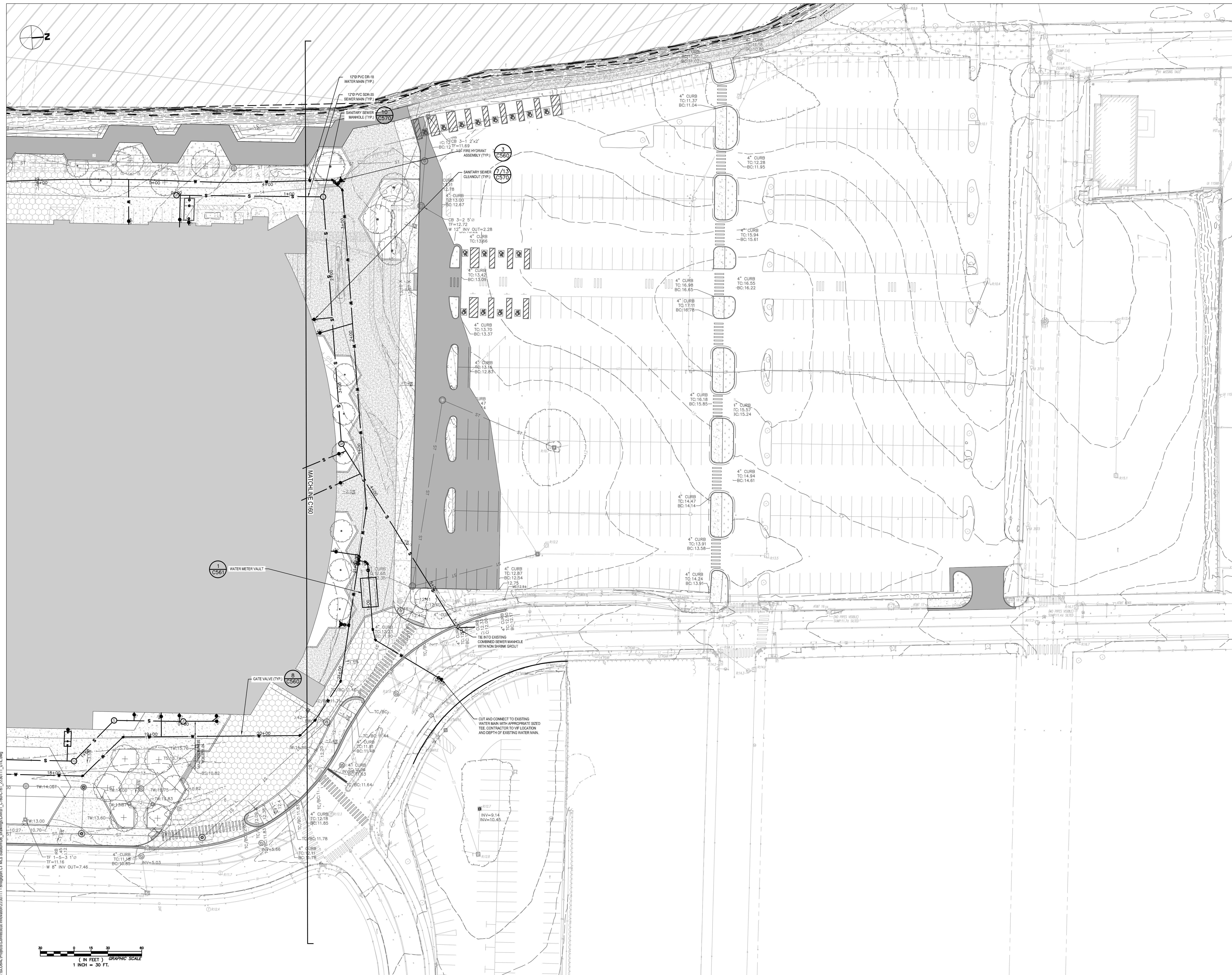
**BRIDGEPORT STADIUM &
MIXED USE**
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2230111
DRAWN BY:		AC
REVIEWED BY:		JRS
ISSUED FOR:		ISSUED FOR
DATE:		04/08/2024
DRAWING NAME:		

UTILITY PLAN

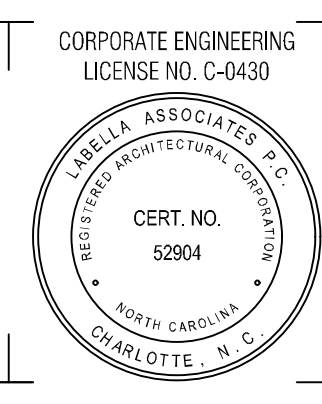
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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

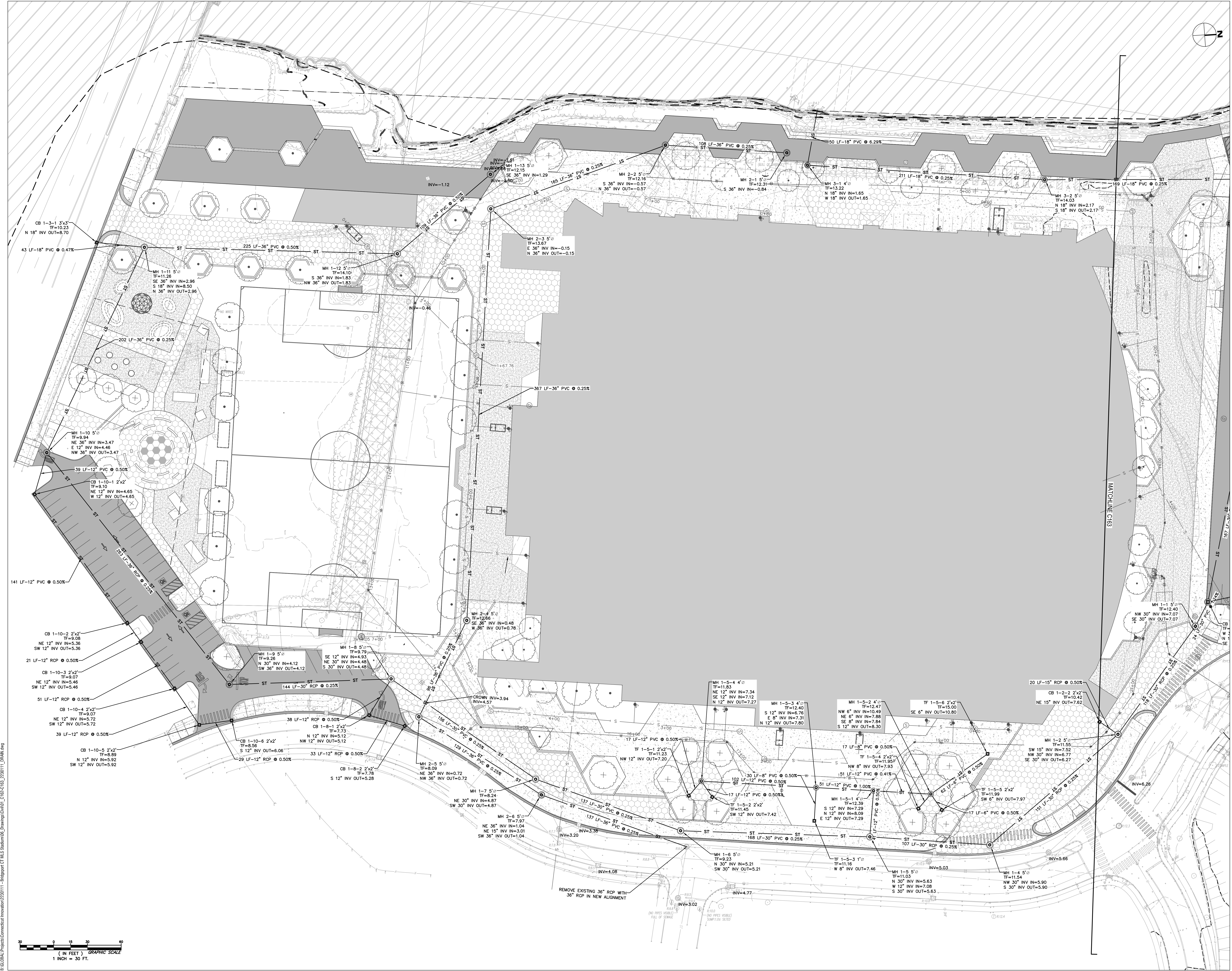
BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: AC		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

DRAINAGE PLAN

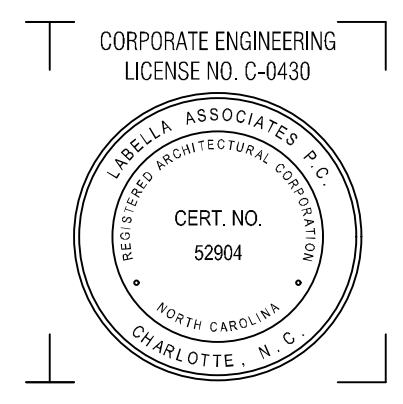
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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

**BRIDGEPORT STADIUM &
MIXED USE**
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: AC		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

DRAINAGE PLAN

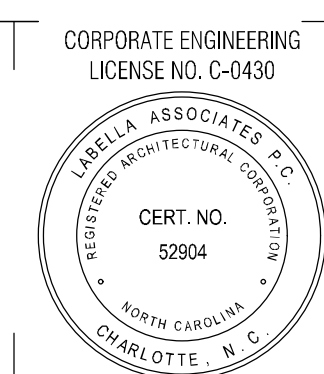
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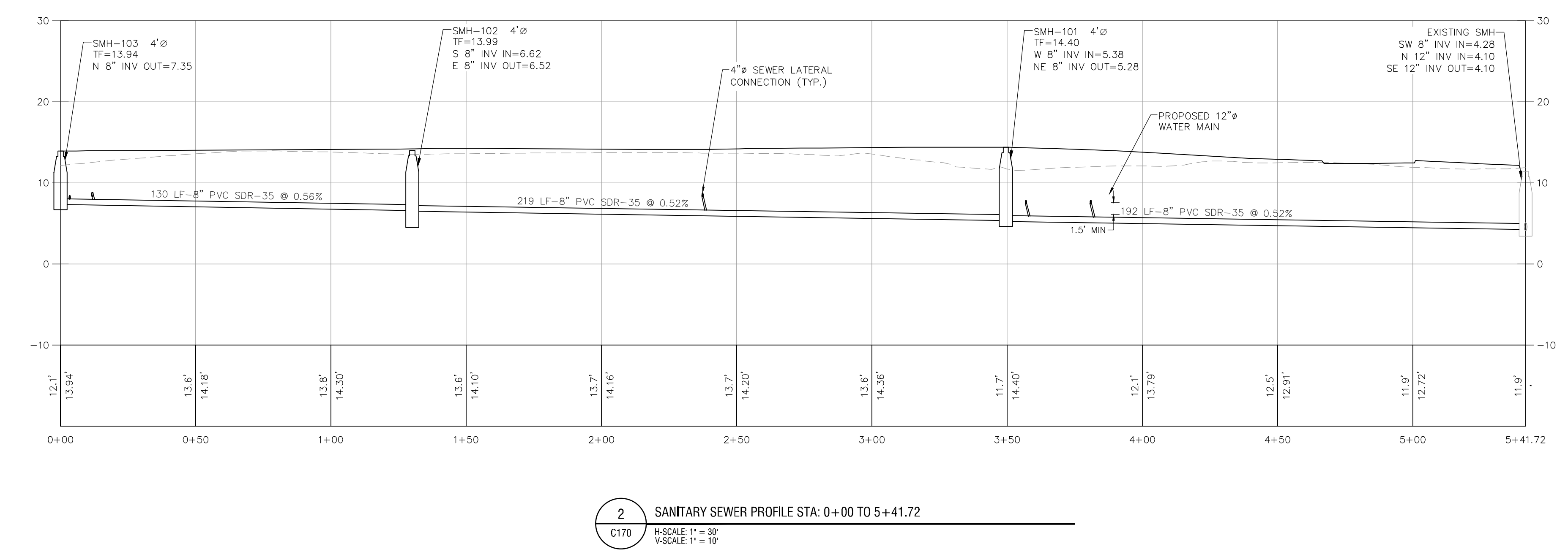
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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902



BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

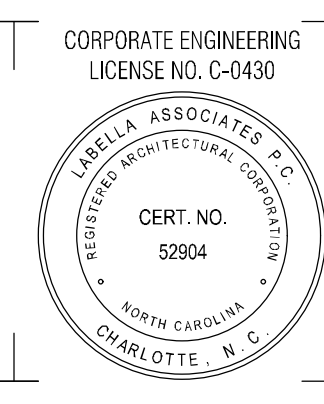
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Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: AC		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

SANITARY SEWER PLAN & PROFILE NORTH SIDE STA 0+00 TO 5+41.72

DRAWING NUMBER:

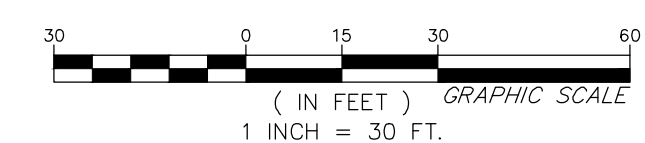
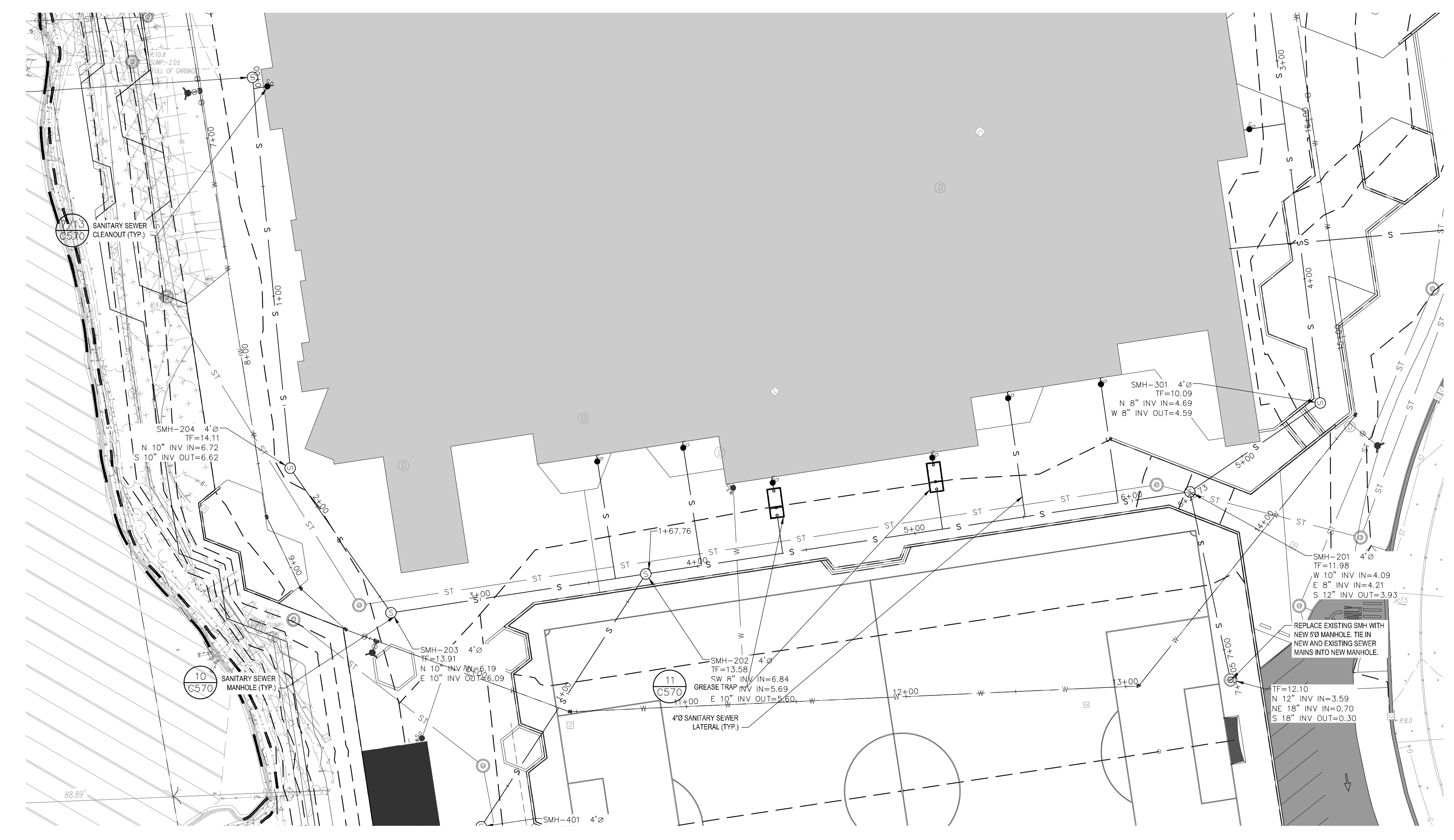
C170

NOT FOR CONSTRUCTION

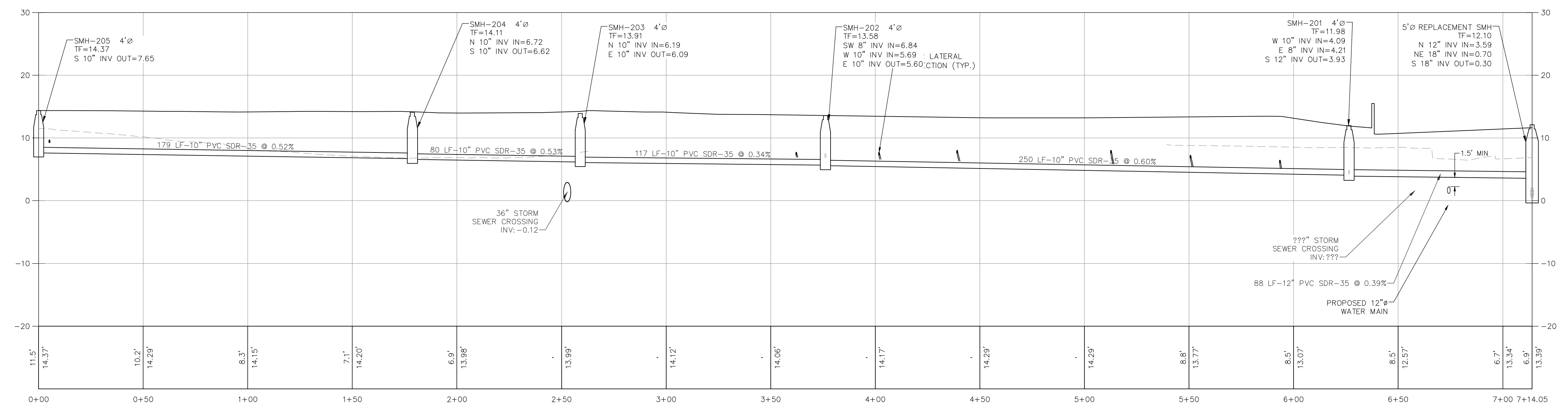
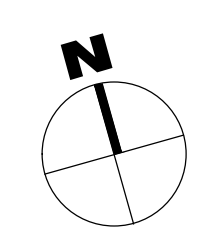


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SUITE 430
STAMFORD, CT 06902



1 SANITARY SEWER PLAN STA. 0+00 TO 17+14.05
C171 INSCALE: 1" = 30'



2 SANITARY SEWER PROFILE STA. 0+00 TO 17+14.05
C171 INSCALE: H = 30' VSCALE: 1" = 10'

BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2230111

DRAWN BY: AC

REVIEWED BY: JRS

ISSUED FOR: ISSUED FOR

DATE: 04/08/2024

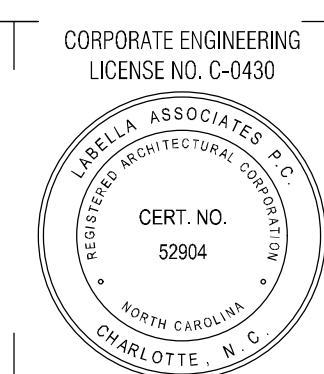
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SANITARY SEWER PLAN & PROFILE SOUTH SIDE STA 0+00 TO 7+14.05

DRAWING NUMBER:

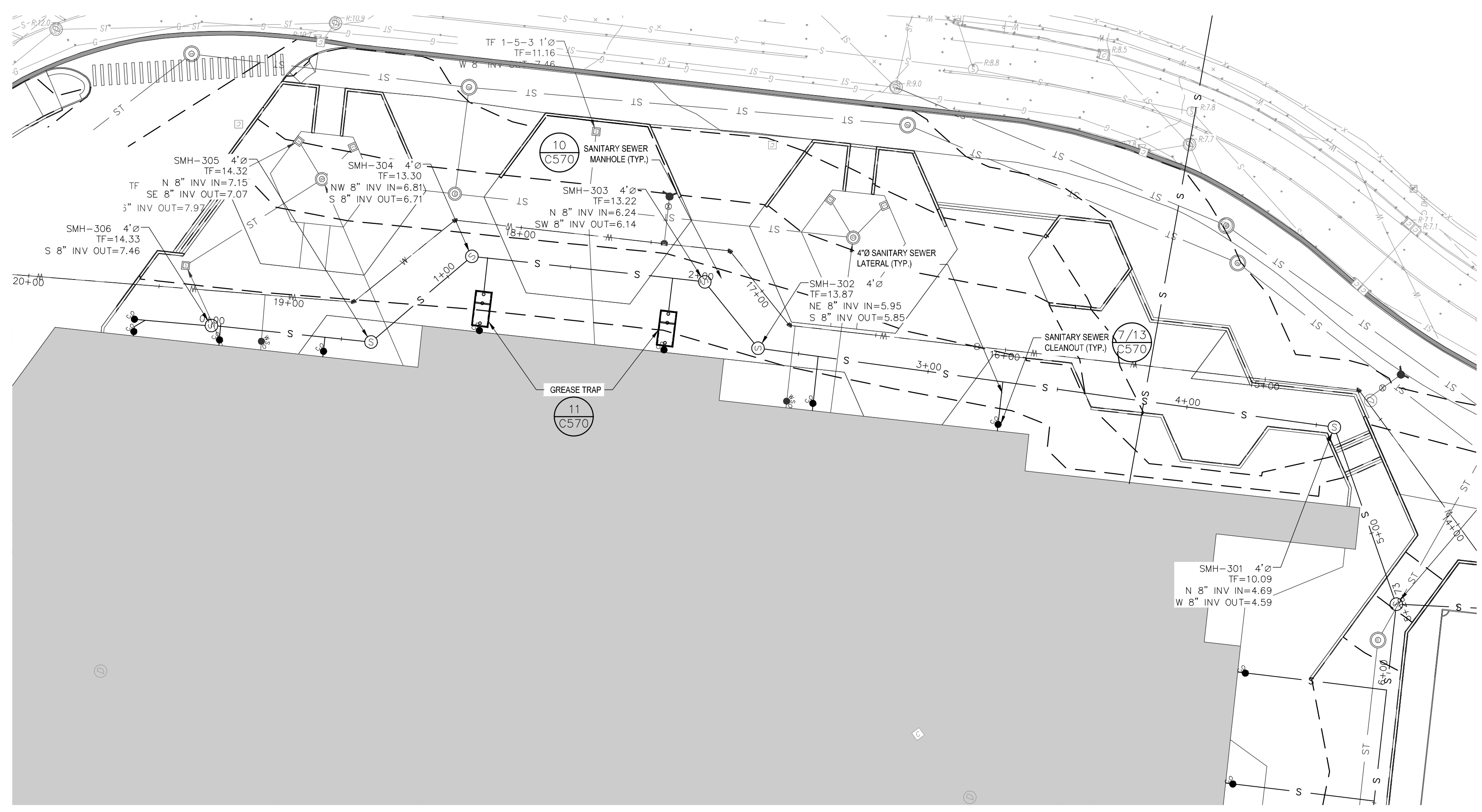
C171

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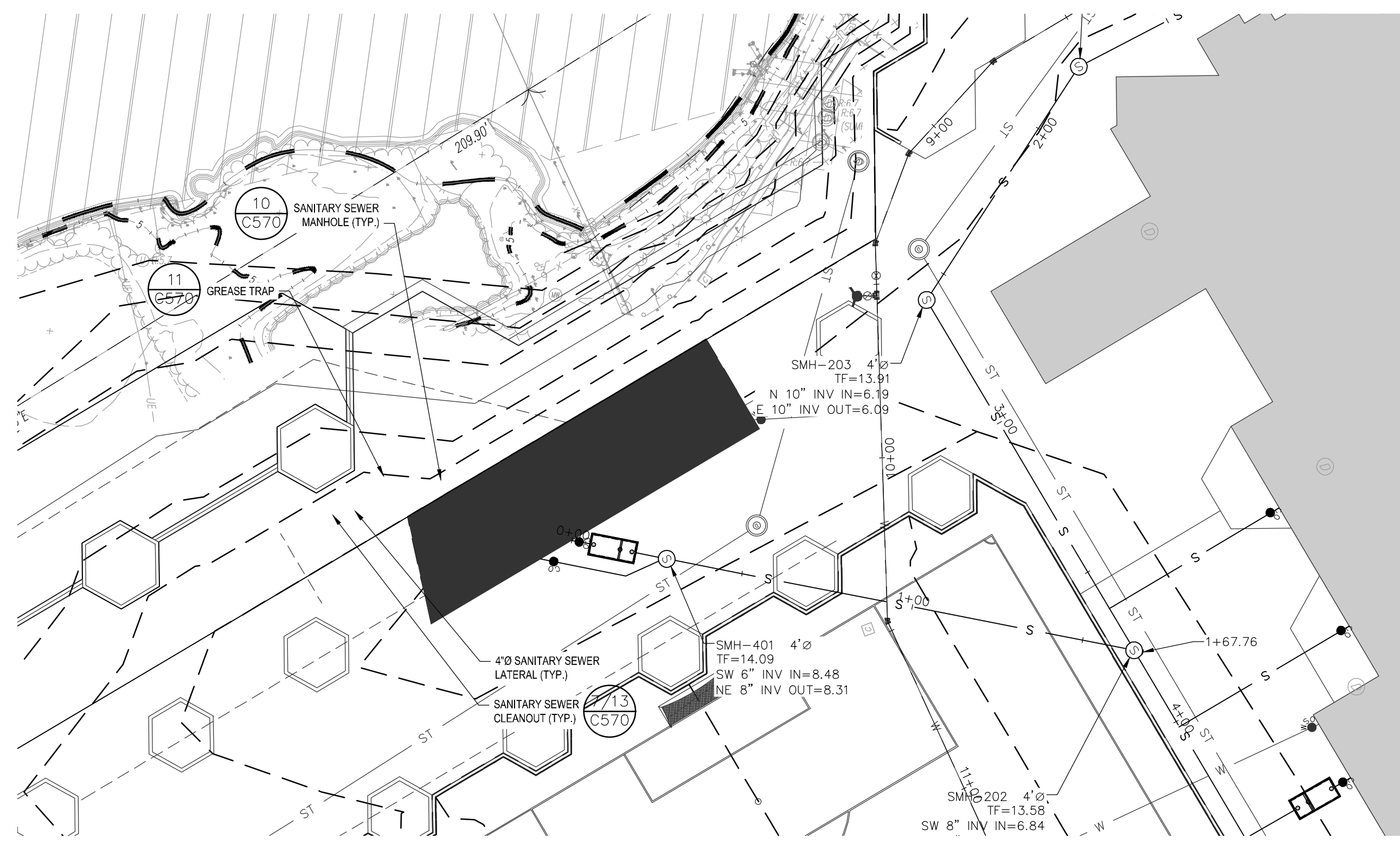


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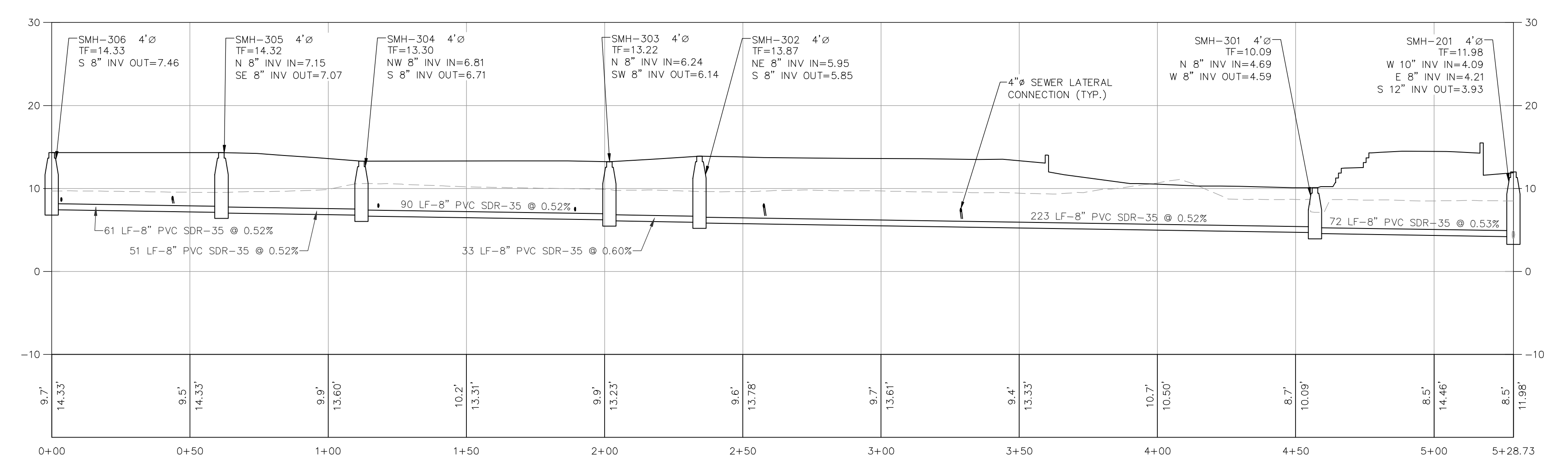
CONNECTICUT SPORTS GROUP
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902



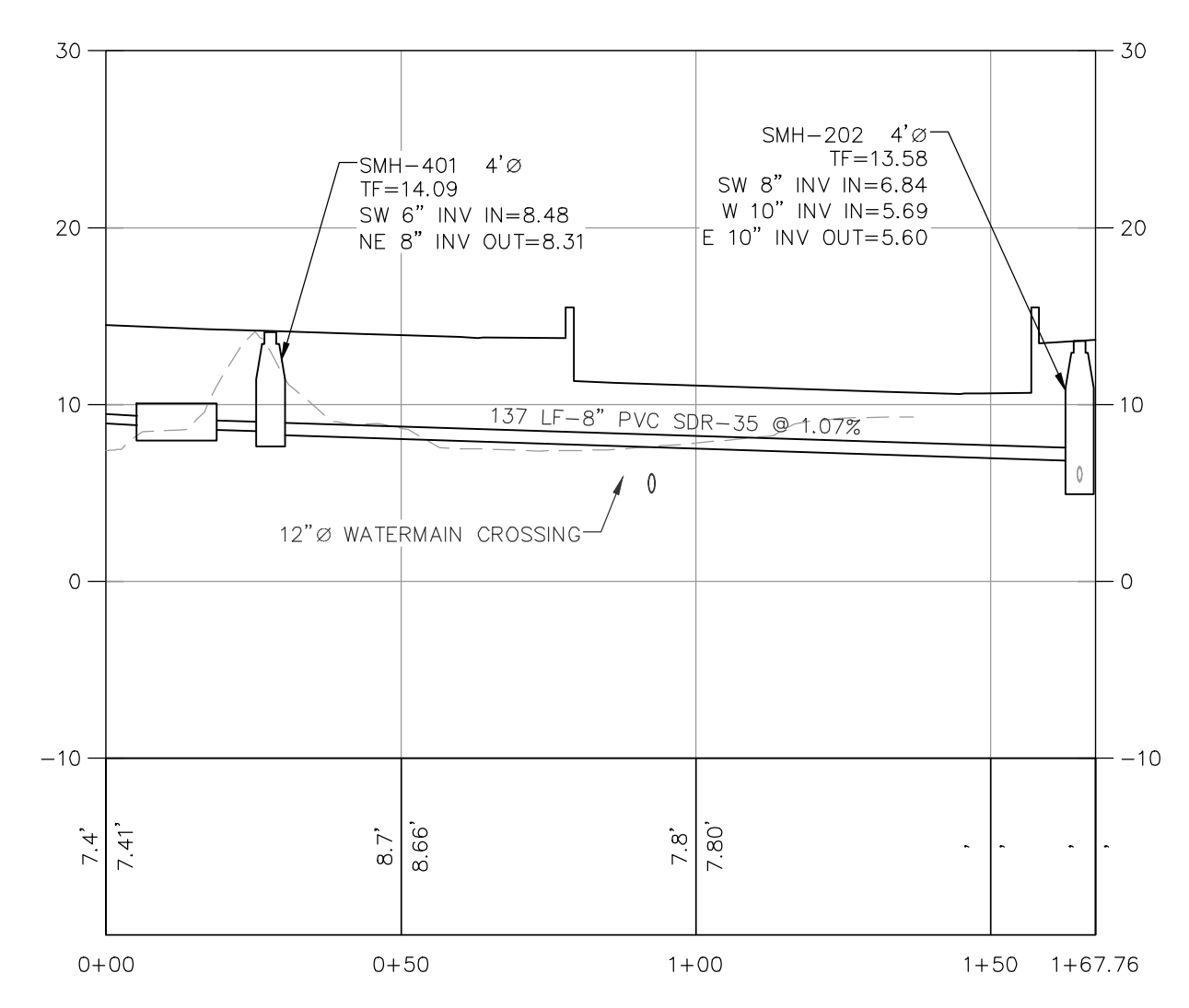
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H-SCALE: 1" = 30'
V-SCALE: 1" = 10'



3 SANITARY SEWER PLAN STA: 0+00 TO 2+03.52
H-SCALE: 1" = 30'
V-SCALE: 1" = 10'



2 SANITARY SEWER PROFILE STA: 0+00 TO 5+28.73
H-SCALE: 1" = 30'
V-SCALE: 1" = 10'



4 SANITARY SEWER PROFILE STA: 0+00 TO 2+03.52
H-SCALE: 1" = 30'
V-SCALE: 1" = 10'

BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: AC		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

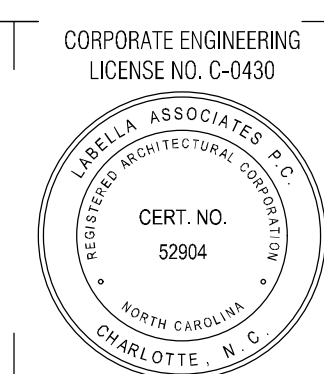
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DRAWING NUMBER:

C172

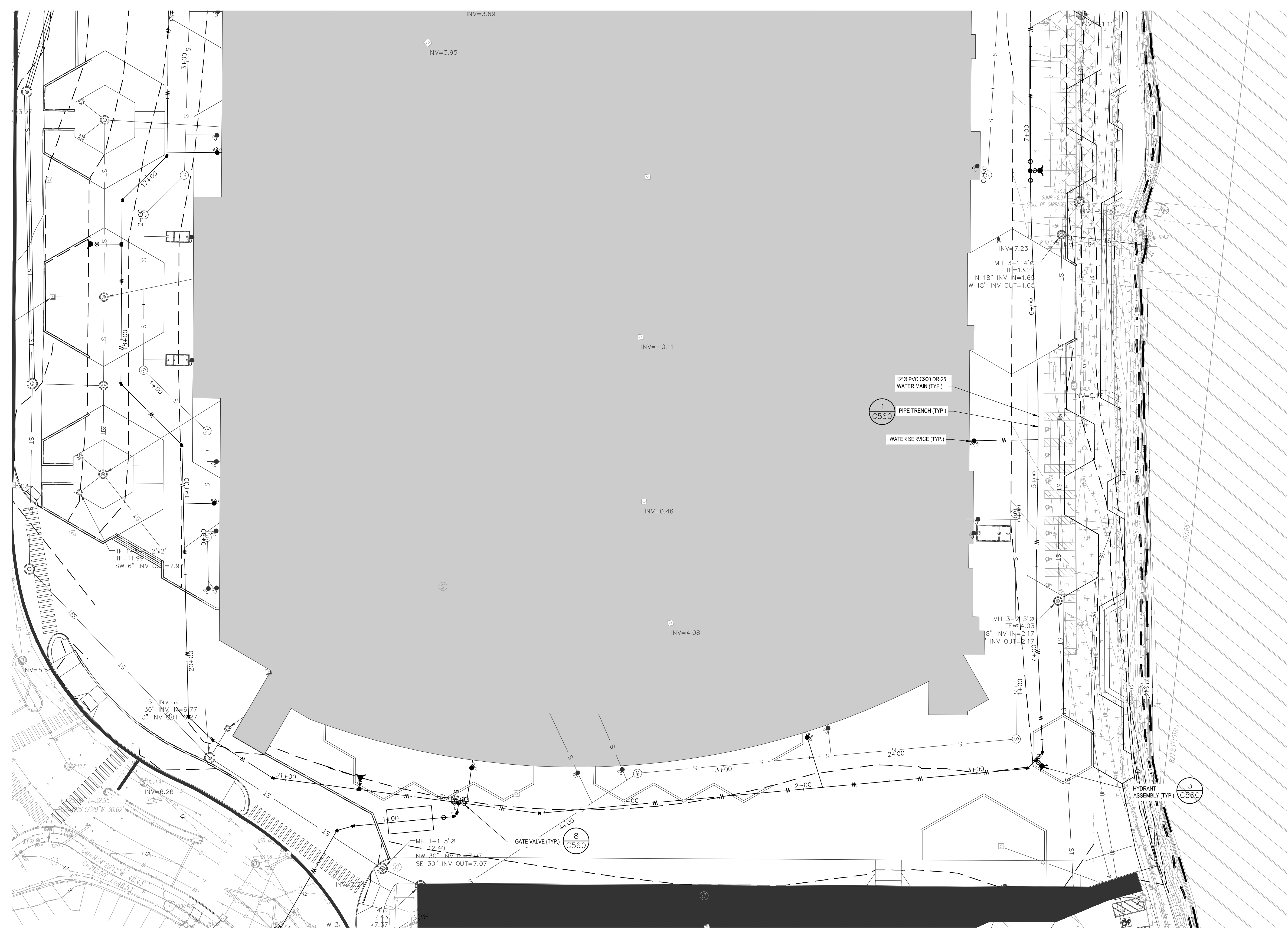
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NOT FOR CONSTRUCTION

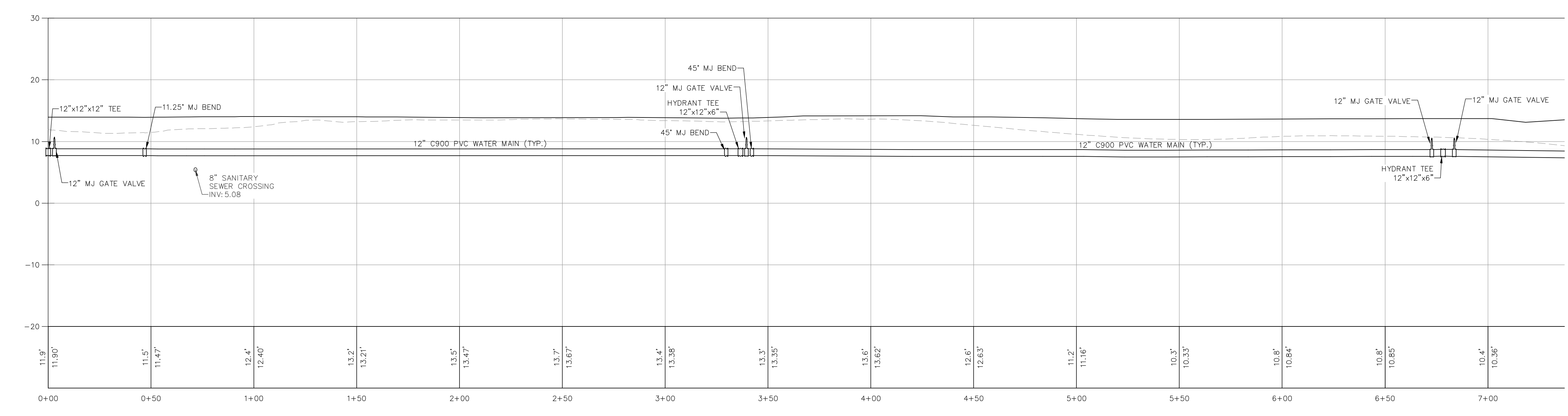


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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902



1 WATER PLAN STA: 0+00 TO 7+50
C173 SCALE: 1" = 30'



2 WATER PROFILE STA: 0+00 TO 7+50
C173 H SCALE: 1" = 30'
V SCALE: 1" = 10'

BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2230111

DRAWN BY: AC

REVIEWED BY: JRS

ISSUED FOR: ISSUED FOR

DATE: 04/08/2024

DRAWING NAME:

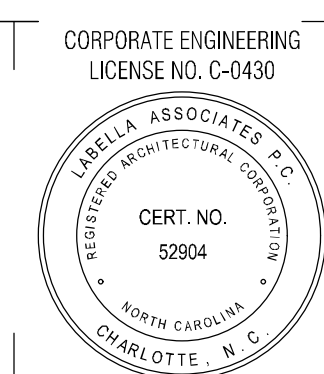
WATER PLAN & PROFILE
STA 0+00 TO 7+50

DRAWING NUMBER:

C173

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NOT FOR CONSTRUCTION



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9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

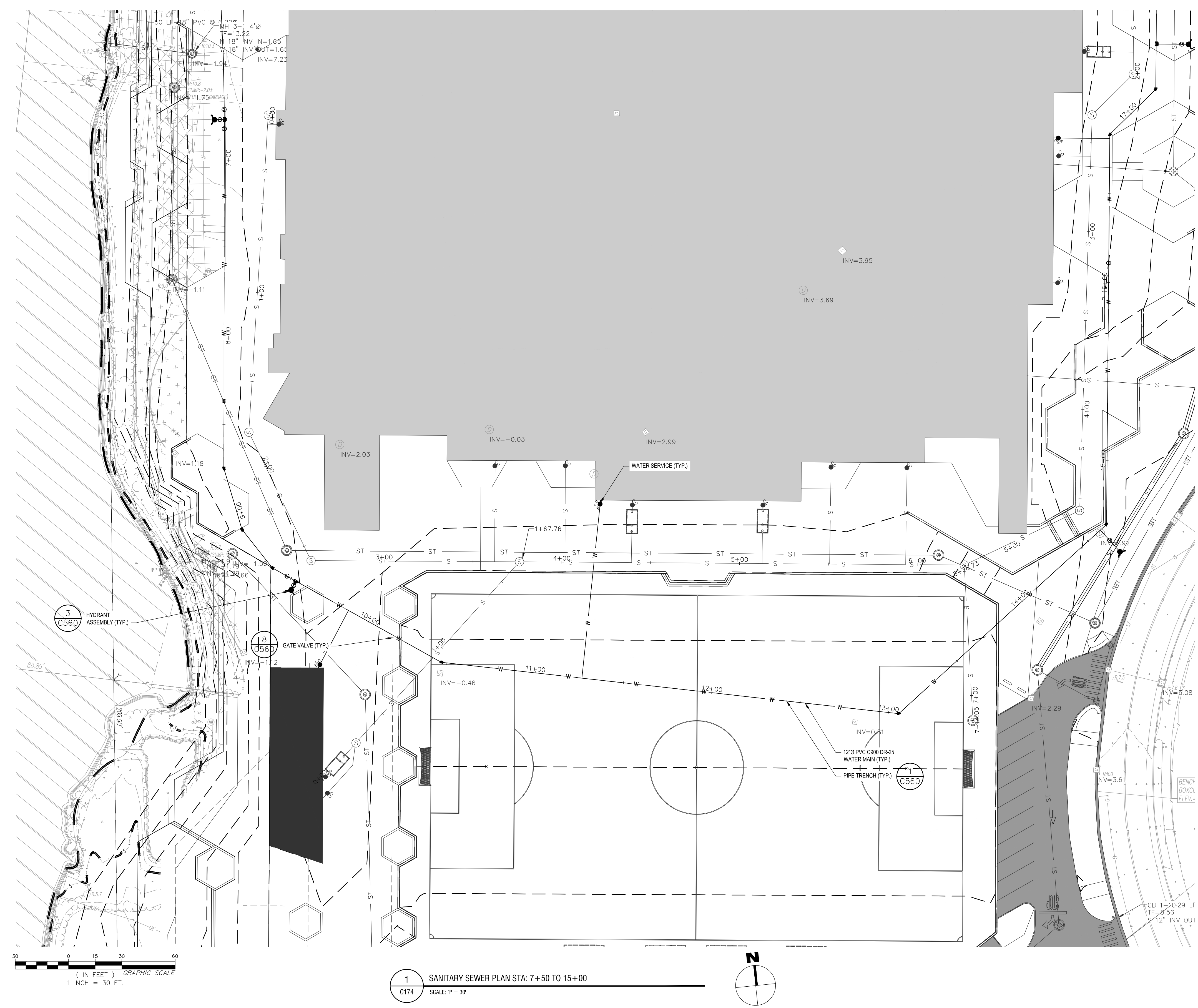
BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
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DRAWN BY: AC		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

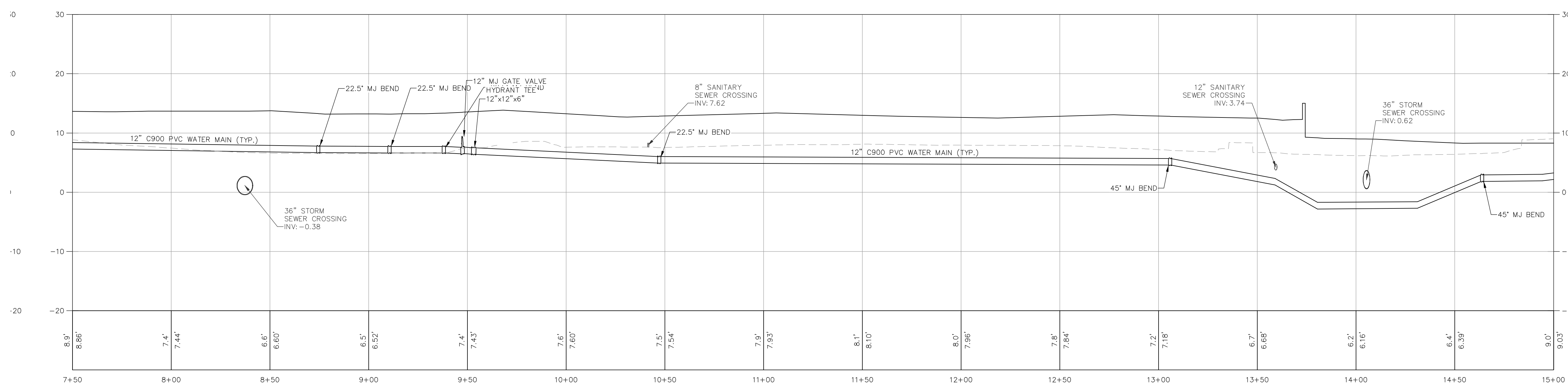
WATER PLAN & PROFILE
STA 7+50 TO 15+00

DRAWING NUMBER:

C174



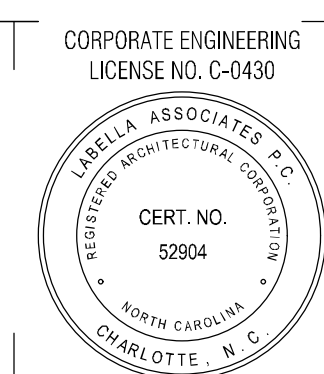
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C174 SCALE: 1" = 30'



2 SANITARY SEWER PROFILE STA: 7+50 TO 15+00
C174 H SCALE: 1" = 30' V SCALE: 1" = 10'

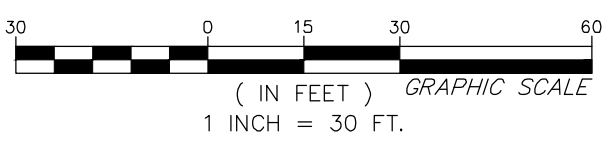
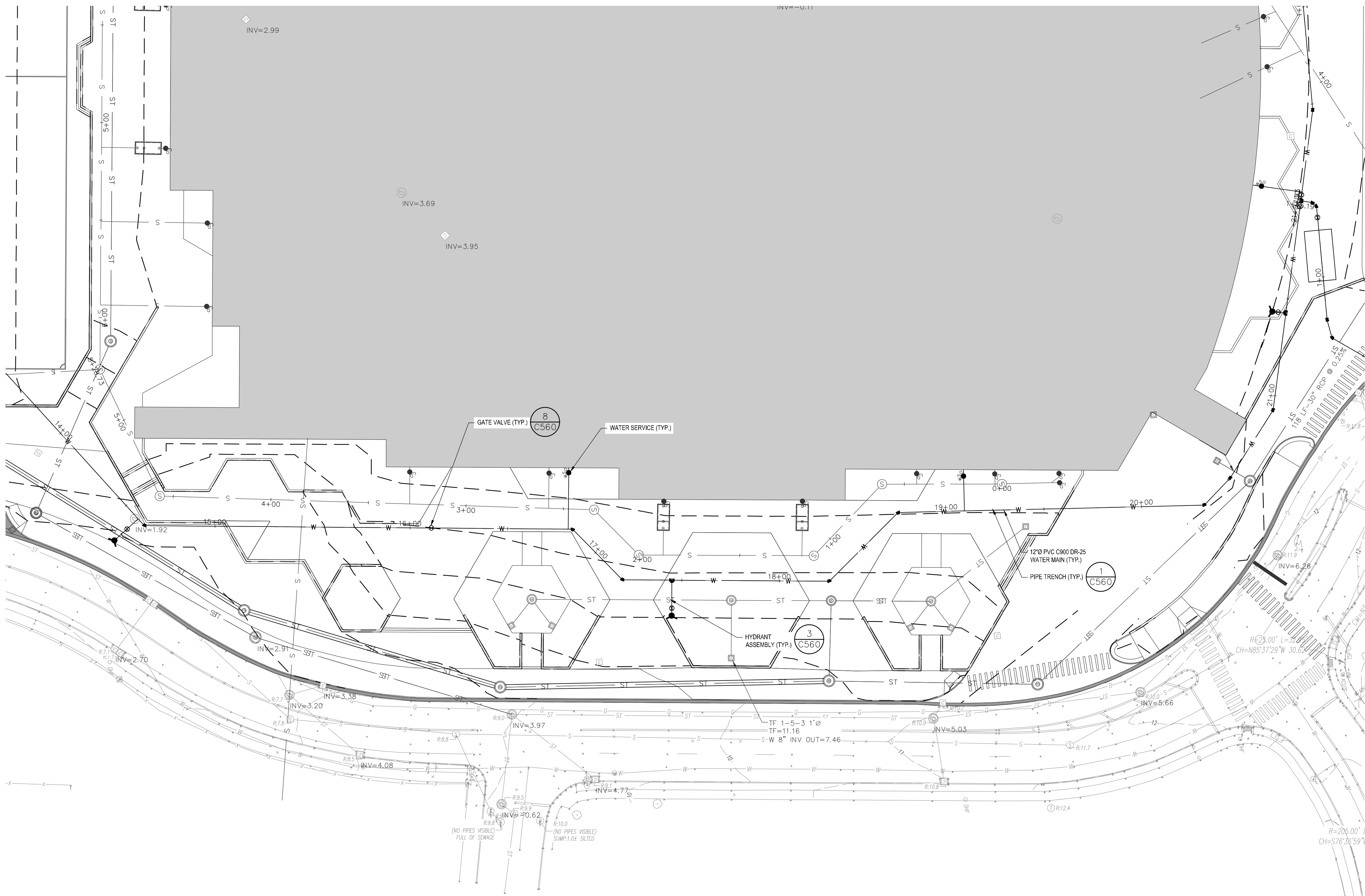
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NOT FOR CONSTRUCTION

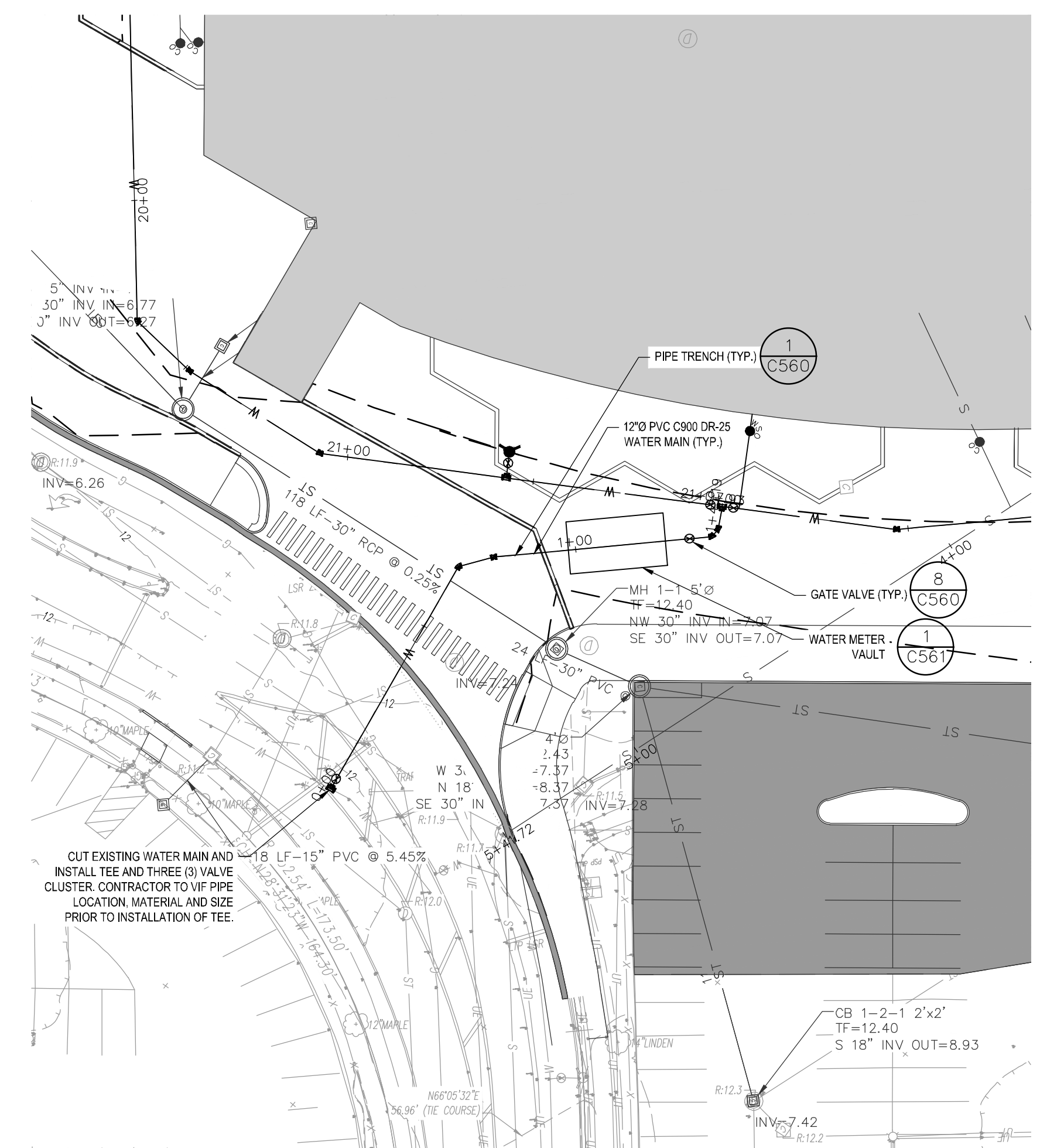
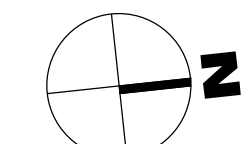


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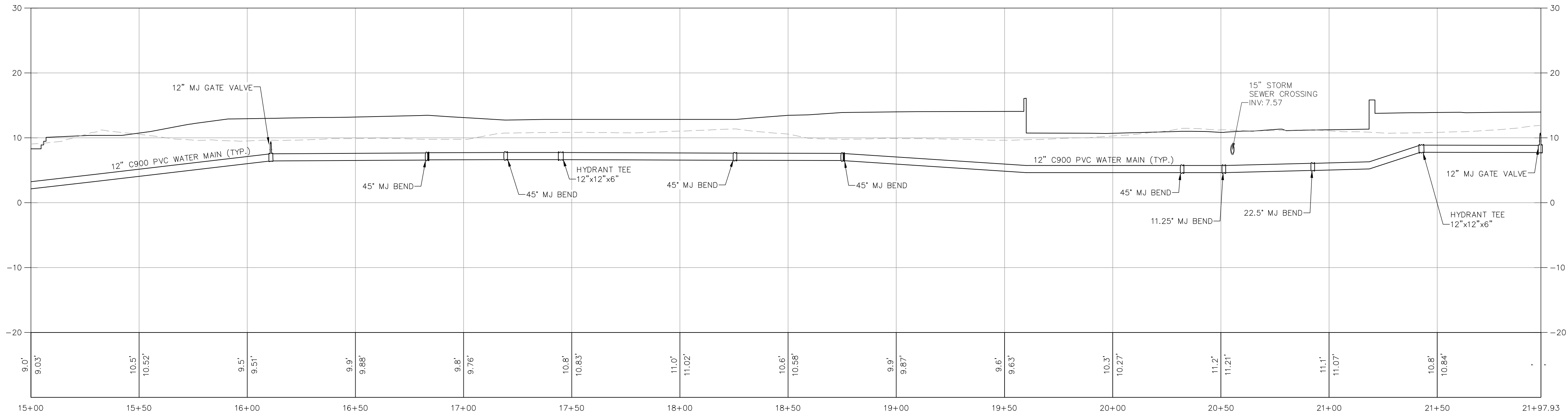
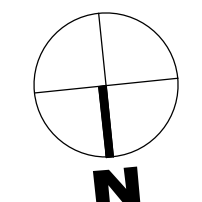
CONNECTICUT SPORTS GROUP
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902



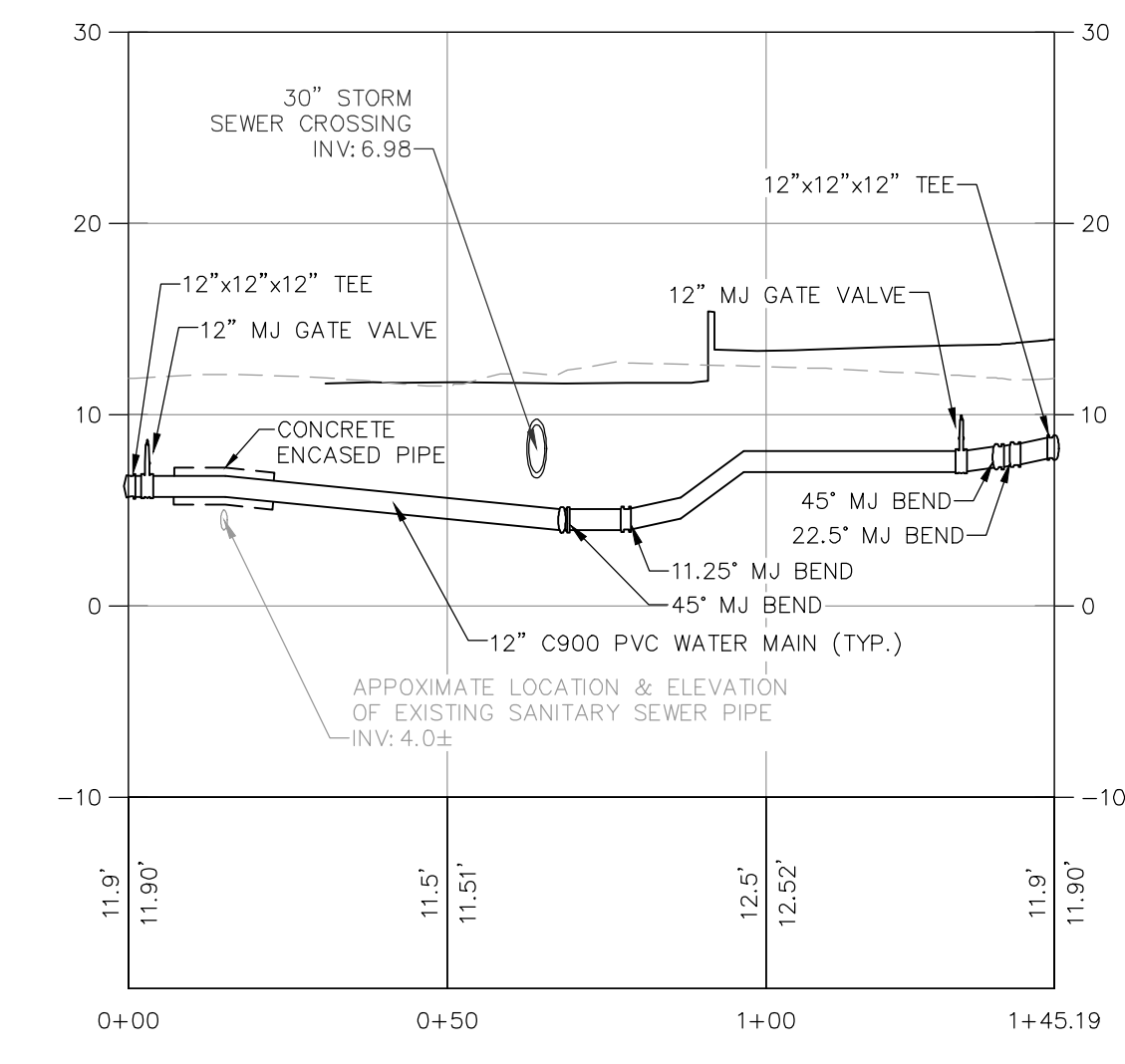
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C172 SCALE: 1" = 30'



3 WATER CONNECTION PLAN STA: 0+00 TO 1+23.27
C172 SCALE: 1" = 30'



2 WATER PROFILE STA: 15+00 TO 21+98
C172 H-SCALE: 1" = 30'
V-SCALE: 1" = 10'



4 WATER CONNECTION PROFILE STA: 0+00 TO 1+45.19
C172 H-SCALE: 1" = 30'
V-SCALE: 1" = 10'

BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		

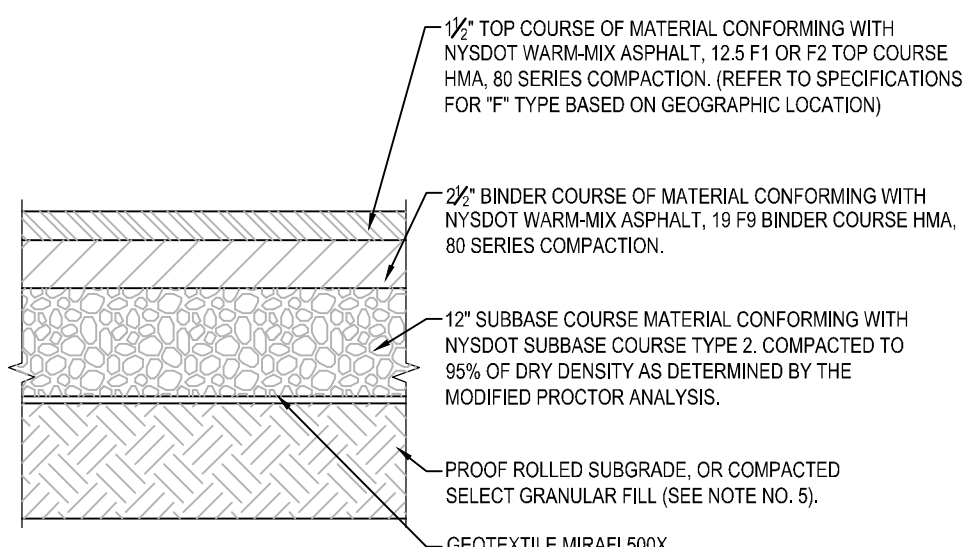
PROJECT NUMBER: 2230111
DRAWN BY: AC
REVIEWED BY: JRS
ISSUED FOR: ISSUED FOR
DATE: 04/08/2024
DRAWING NAME:

WATER PLAN & PROFILE
STA 15+00 TO 21+98
STA 0+00 TO 1+45

DRAWING NUMBER:

C175

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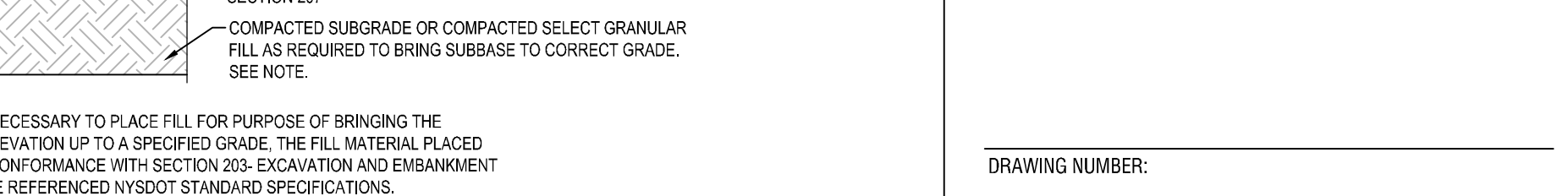
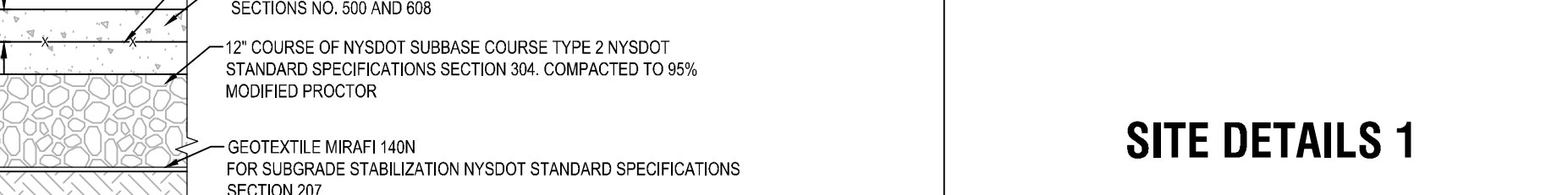
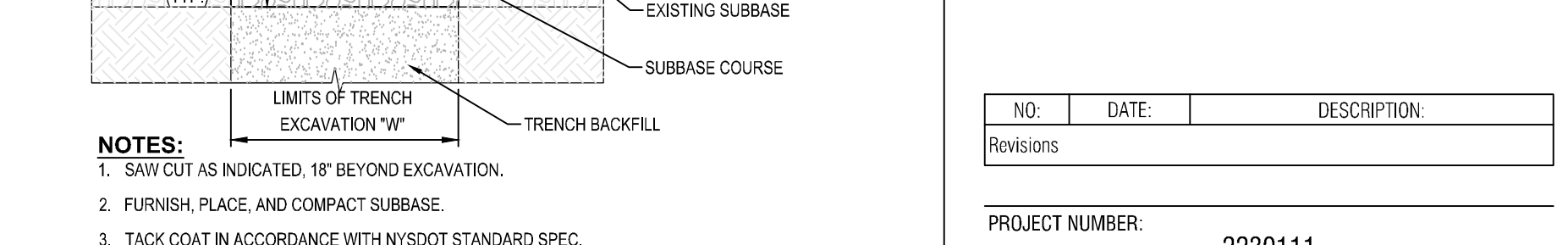
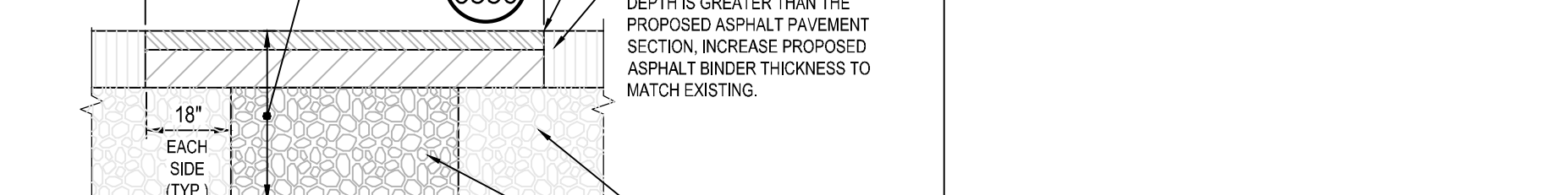
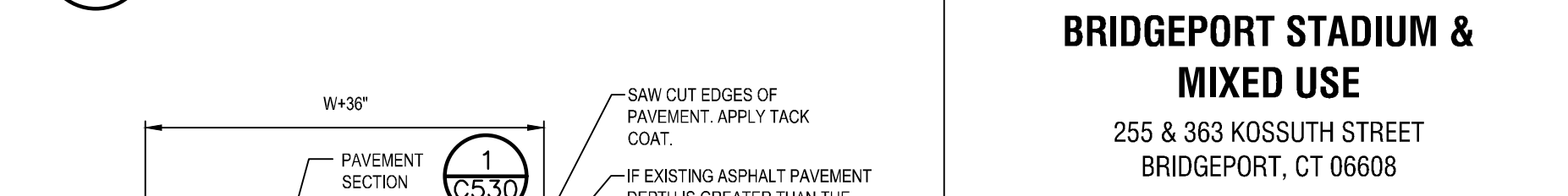
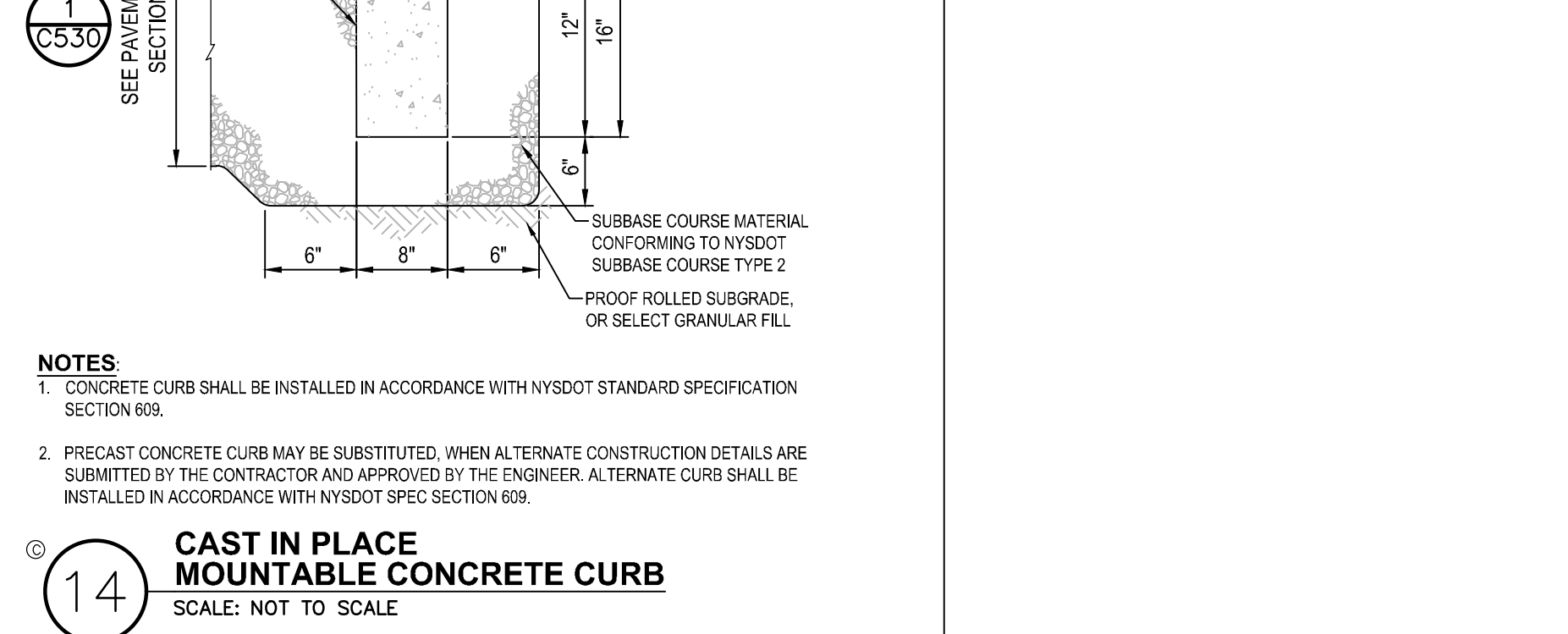
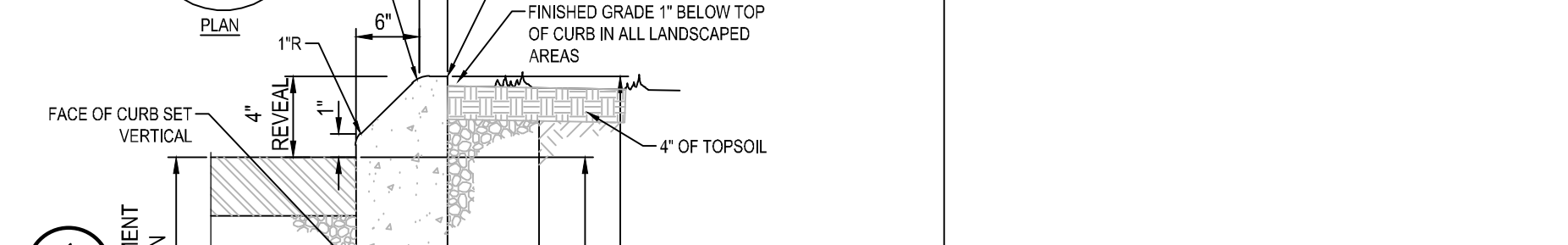
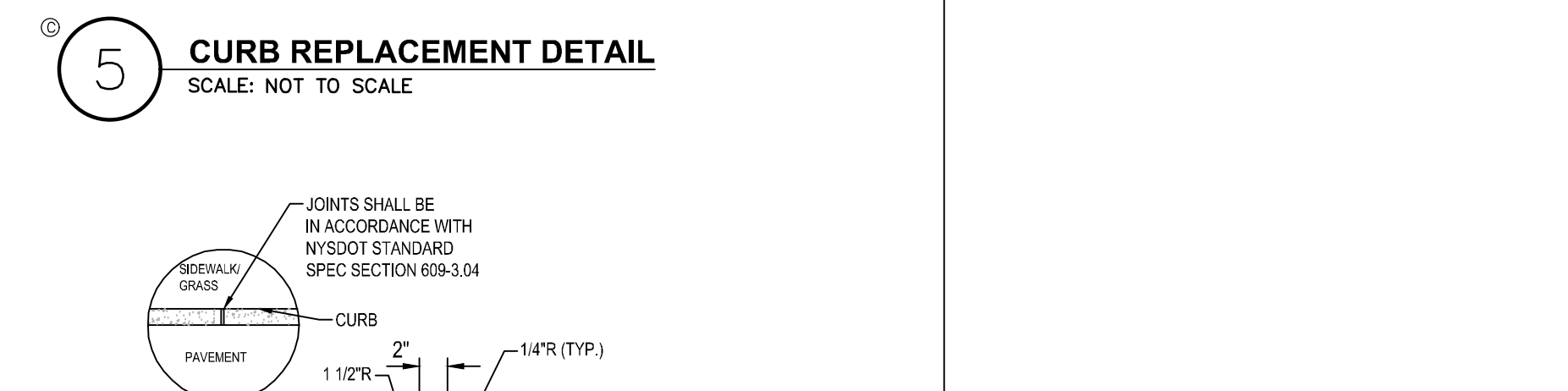
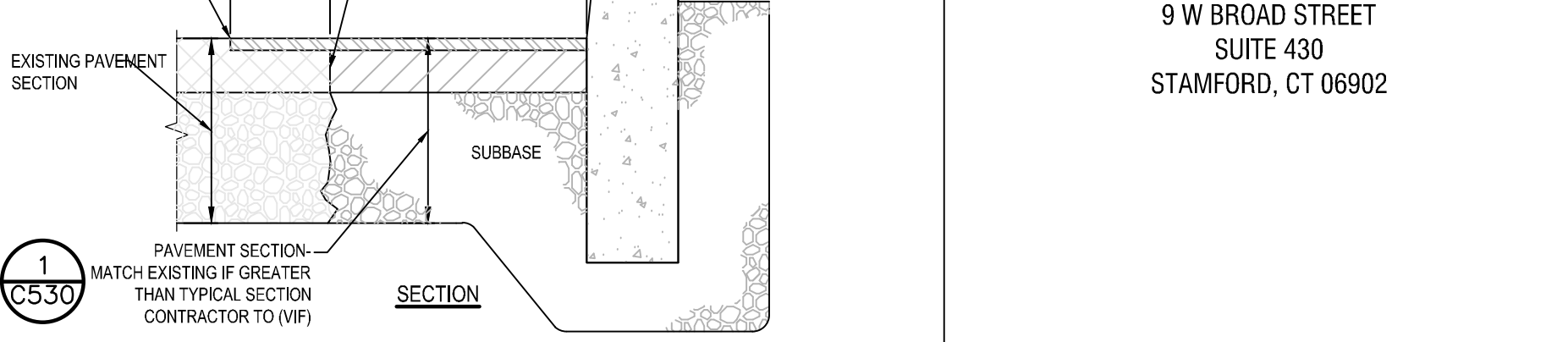
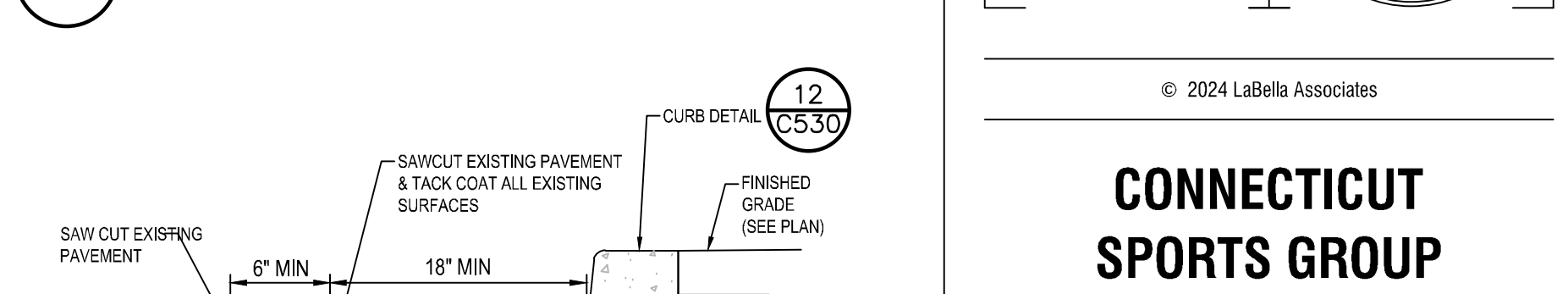
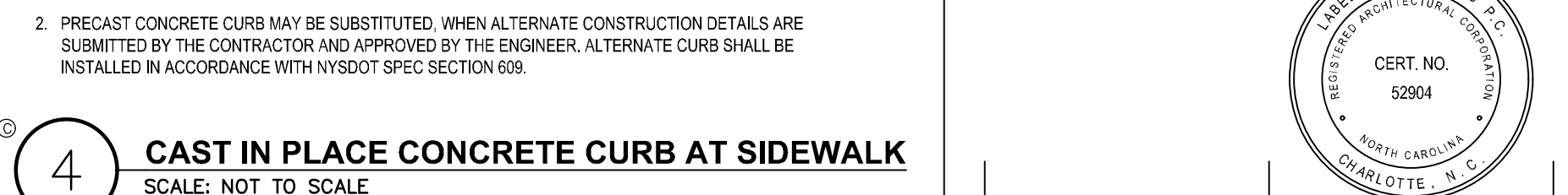
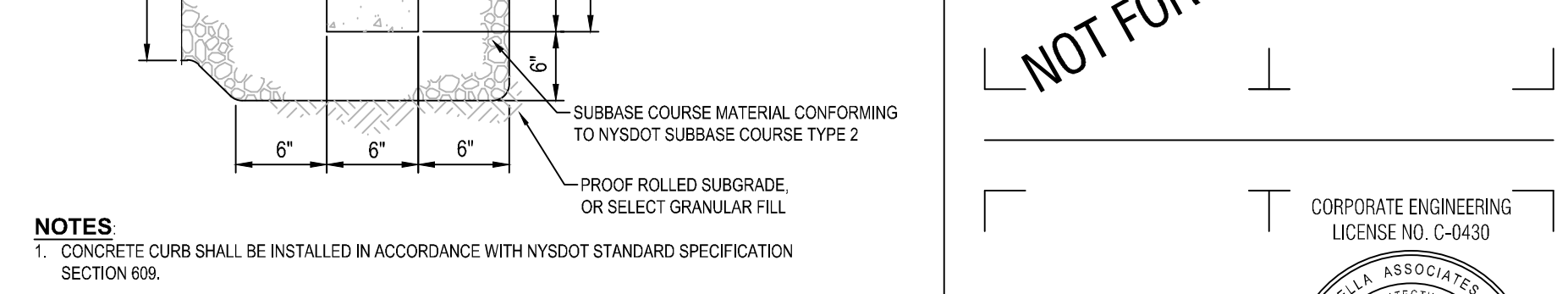
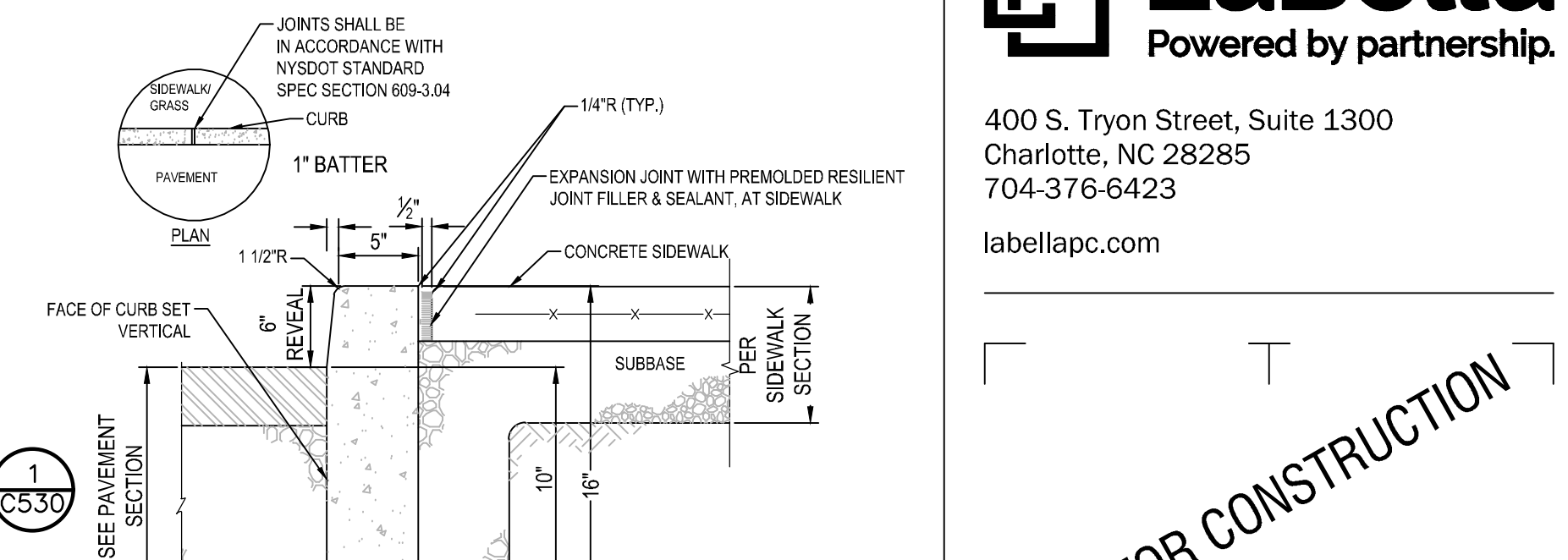
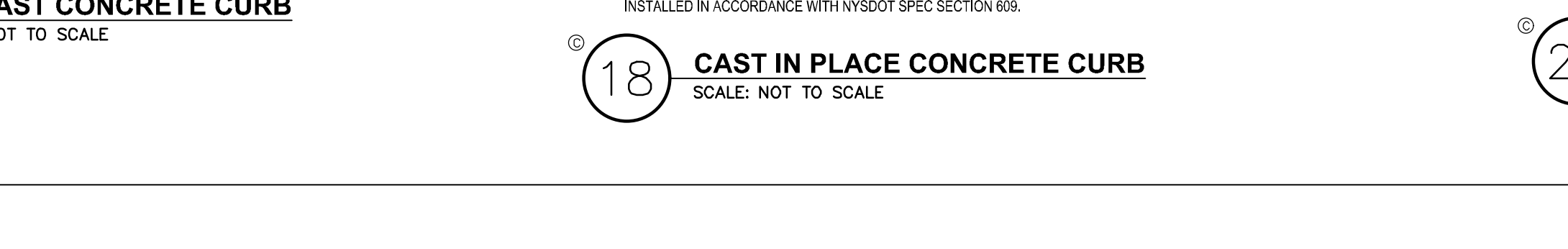
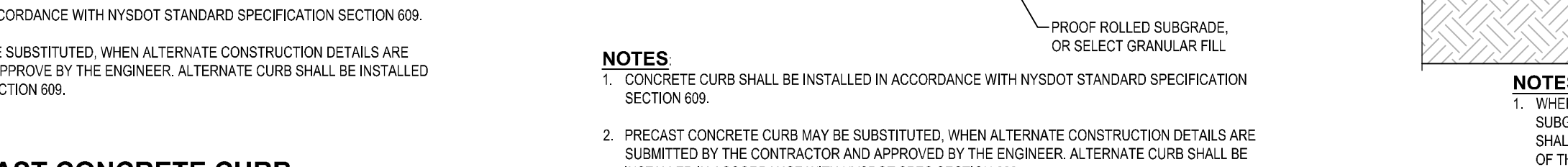
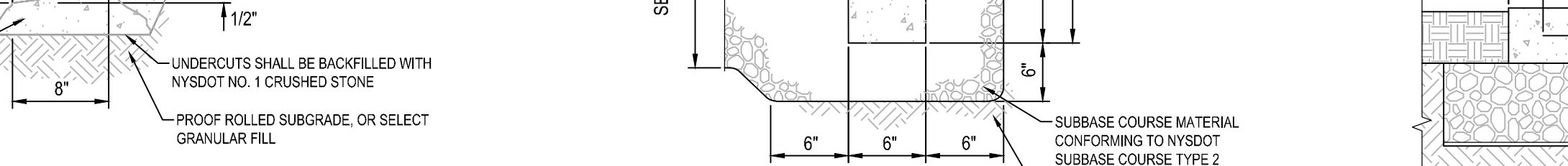
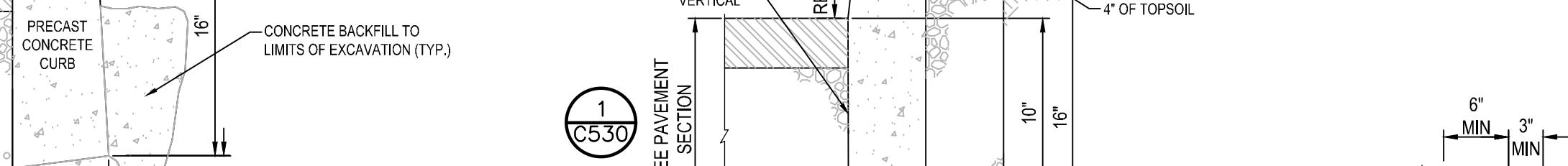
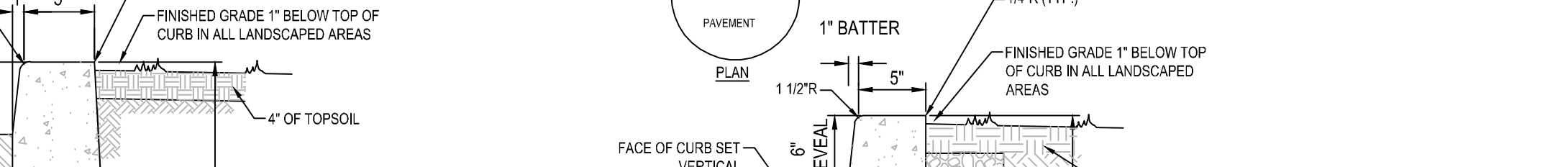
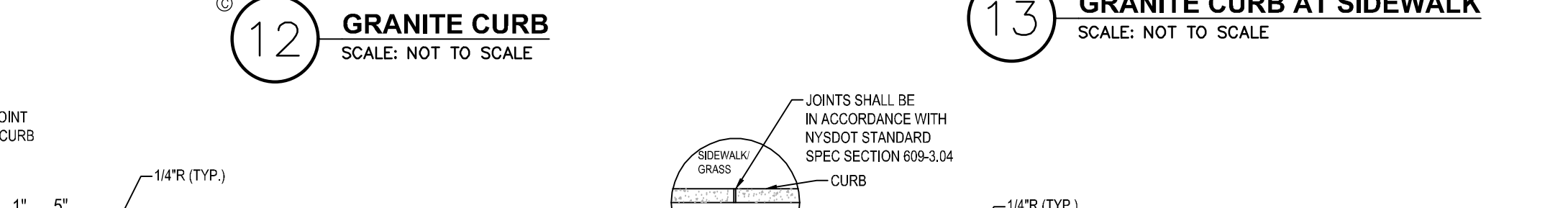
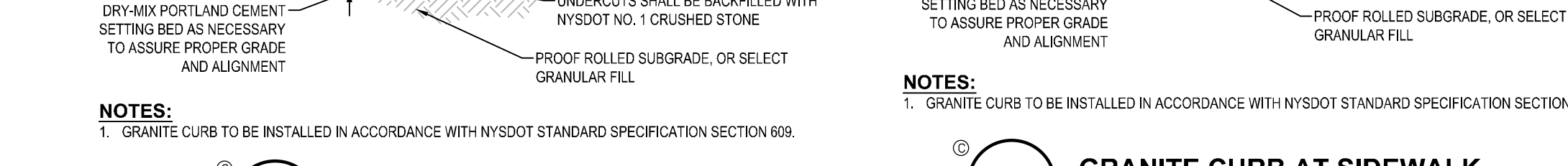
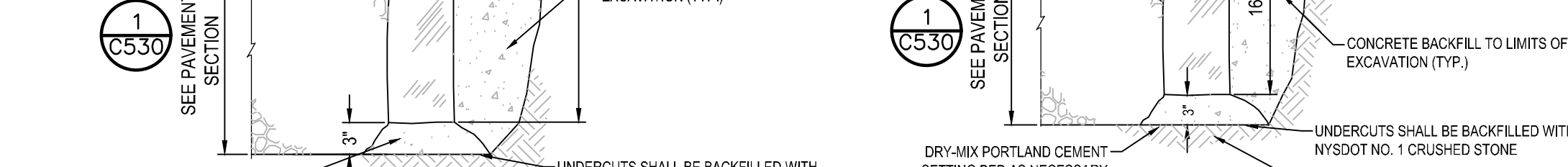
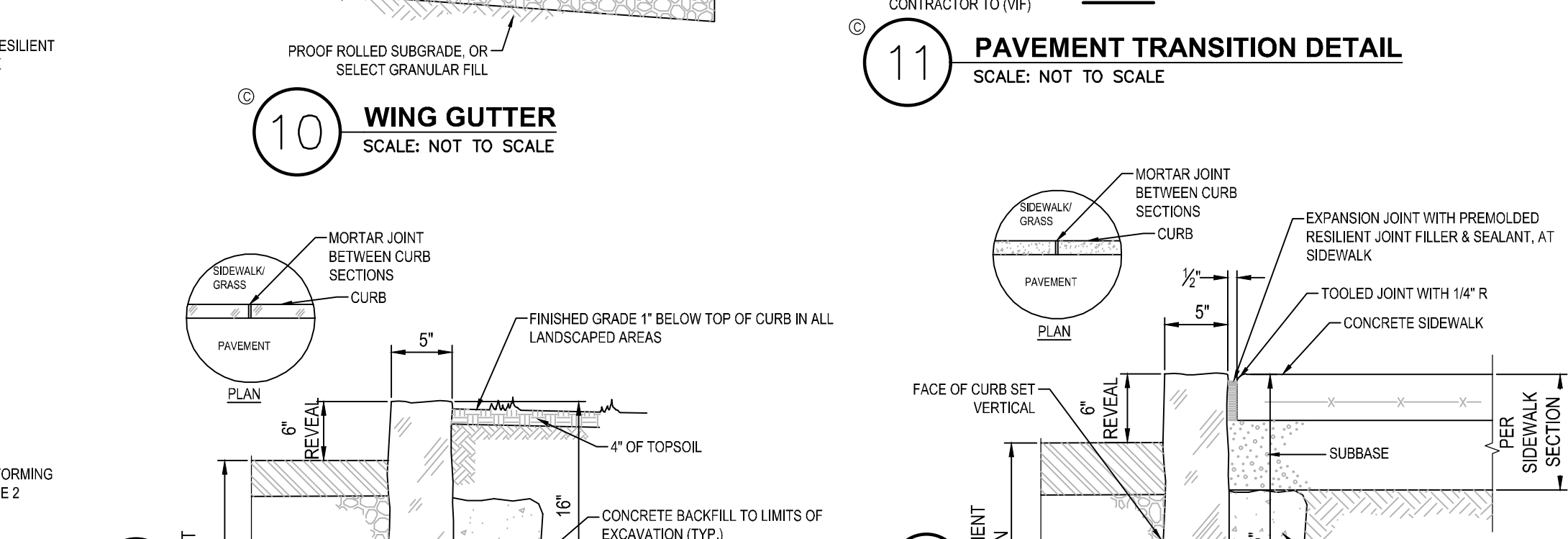
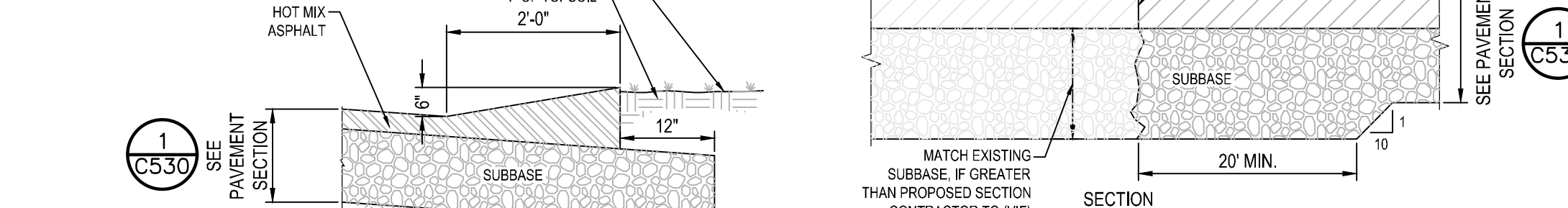
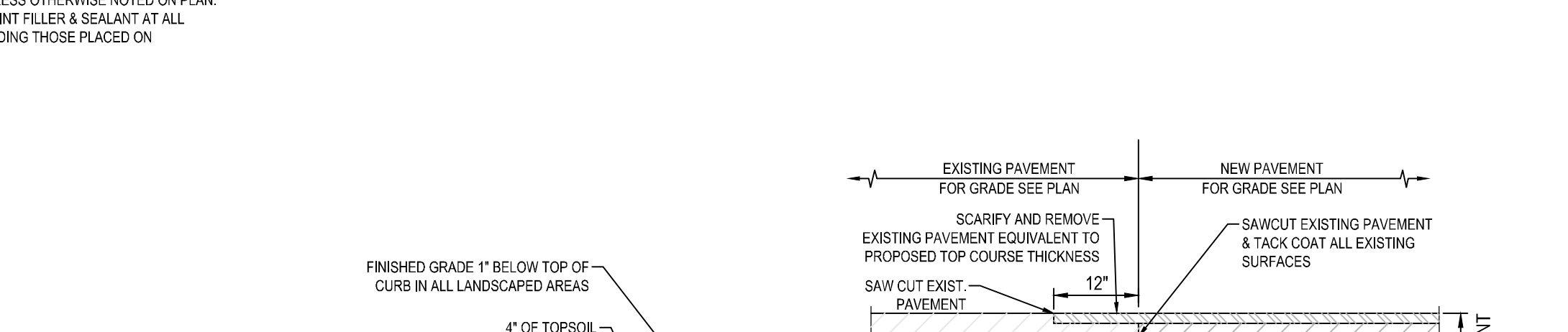
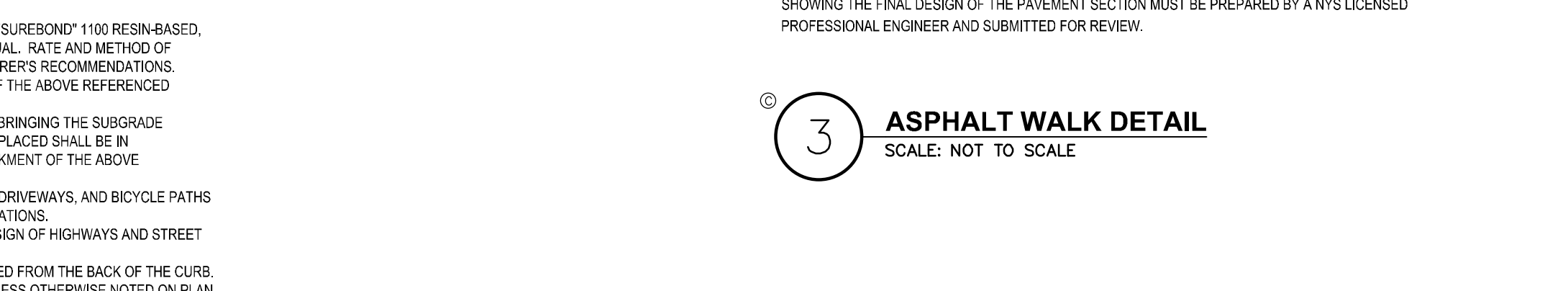
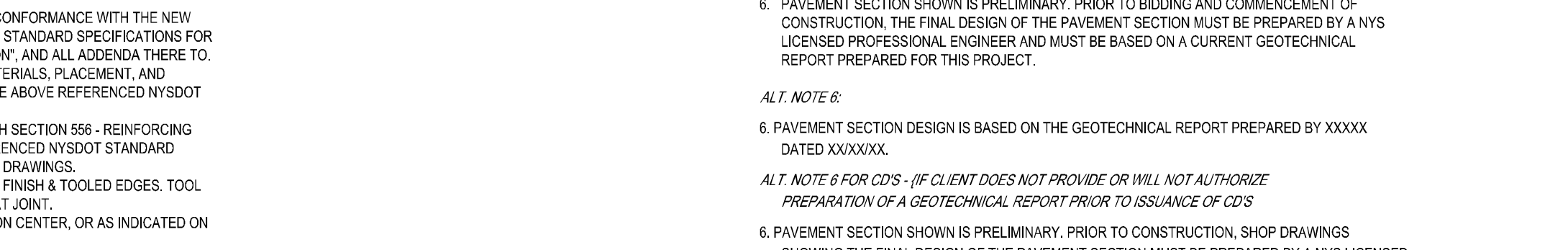
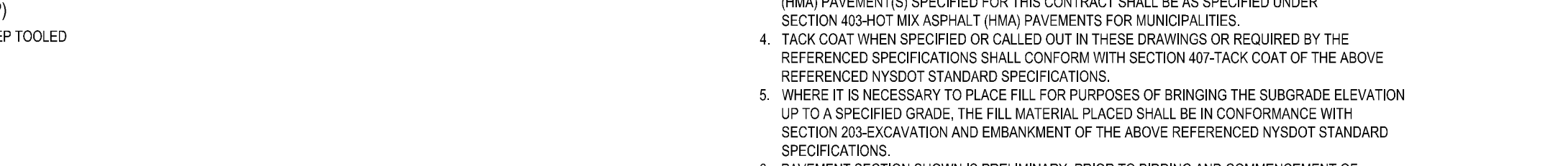
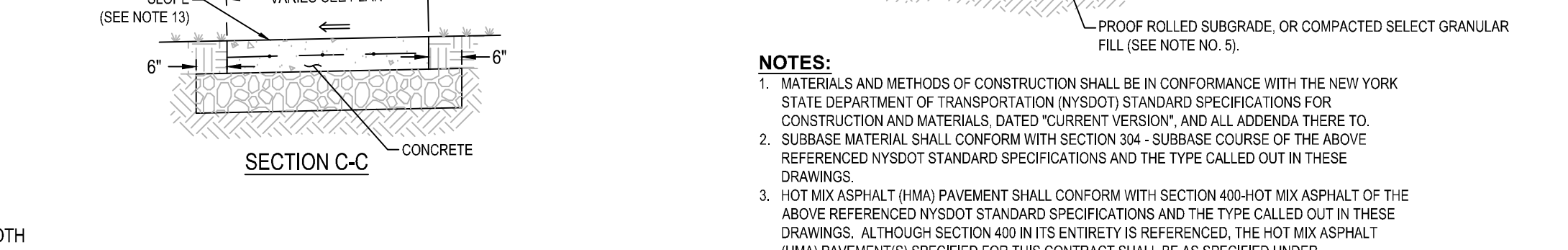
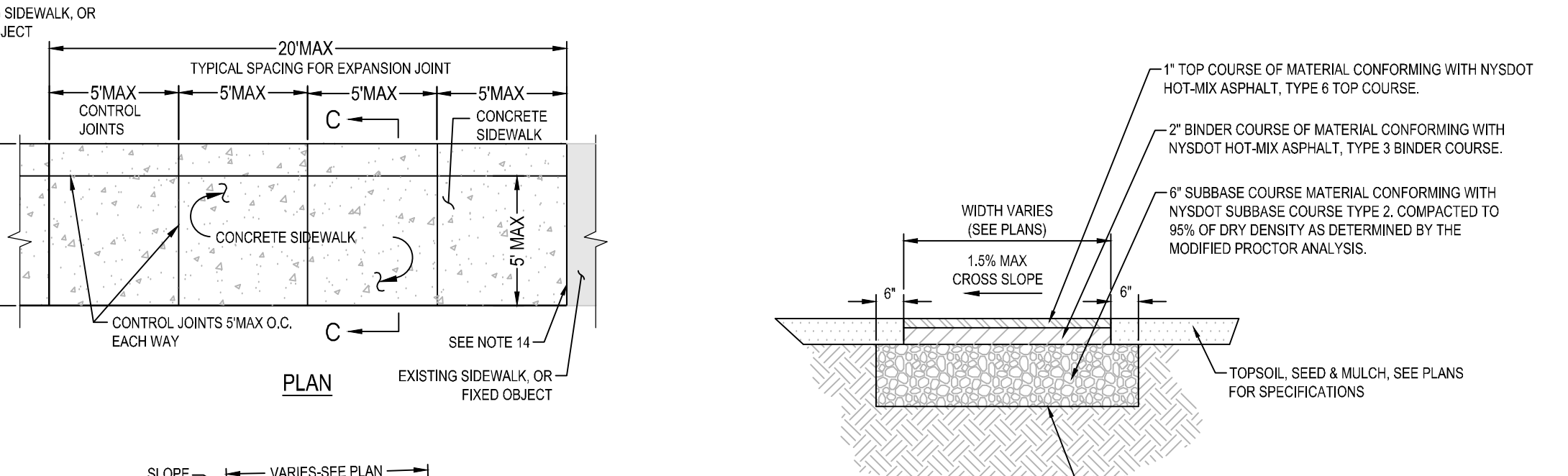
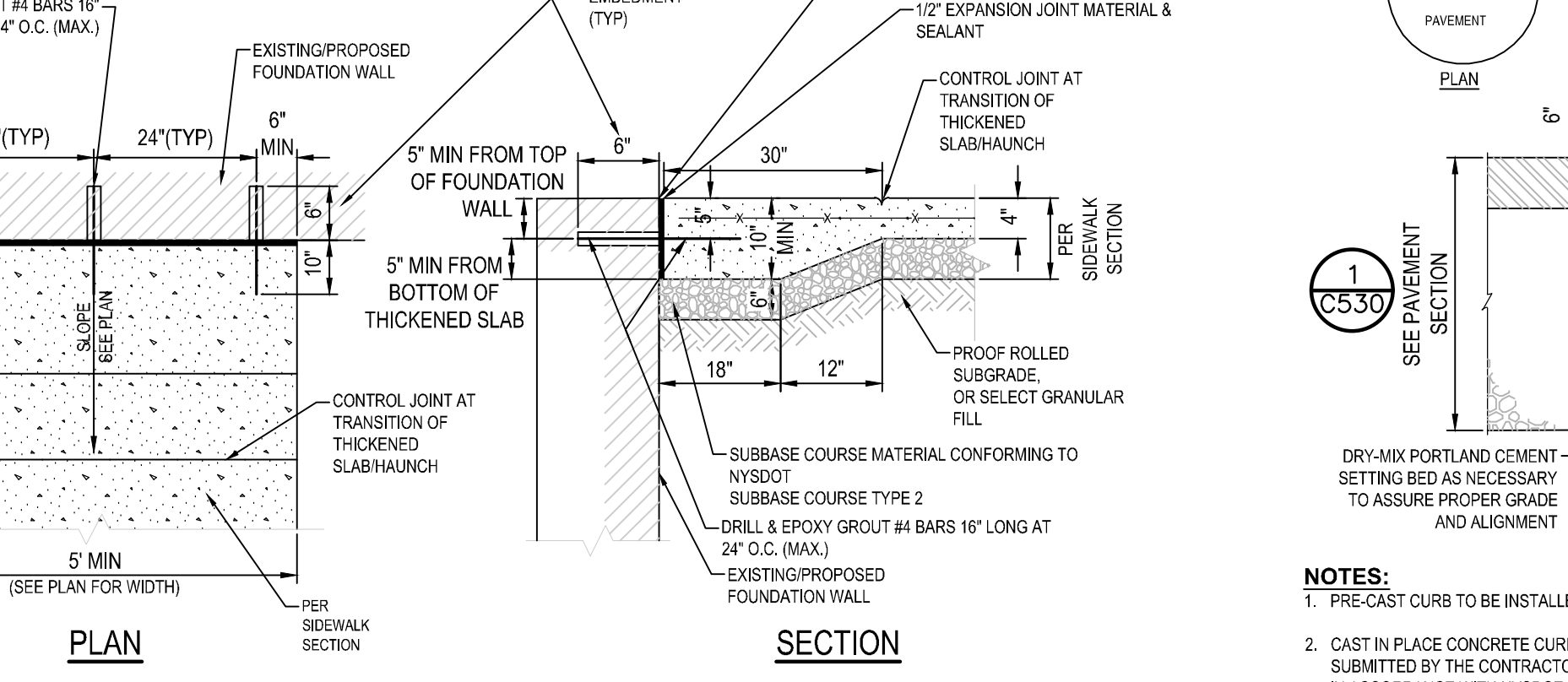
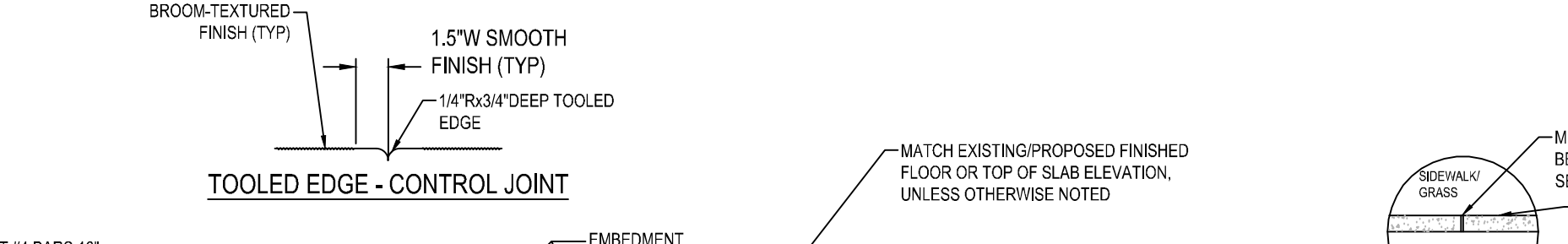
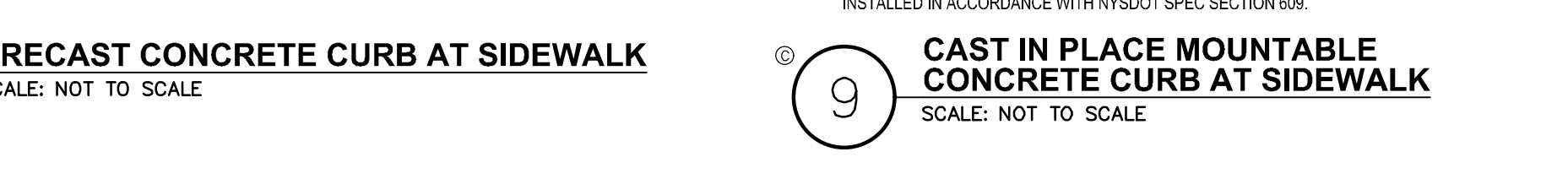
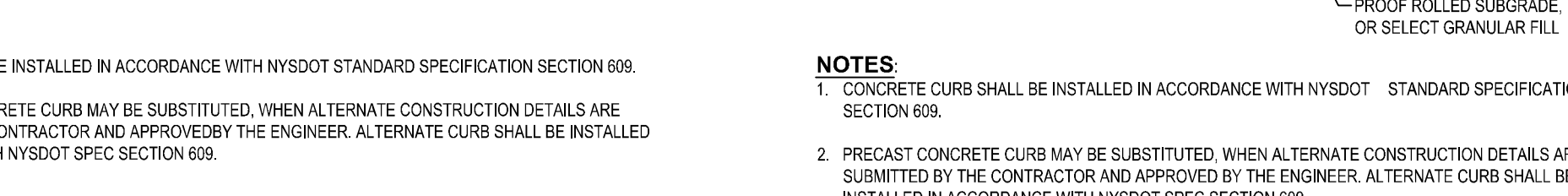
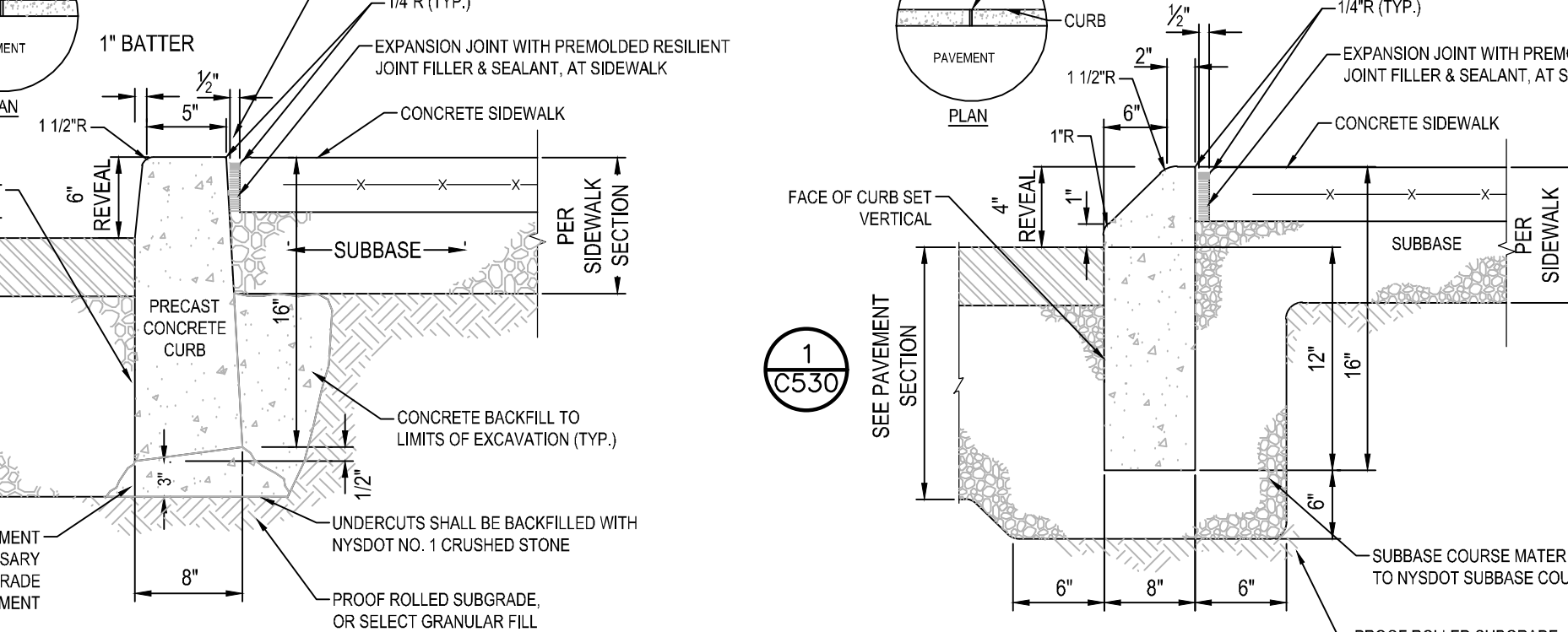
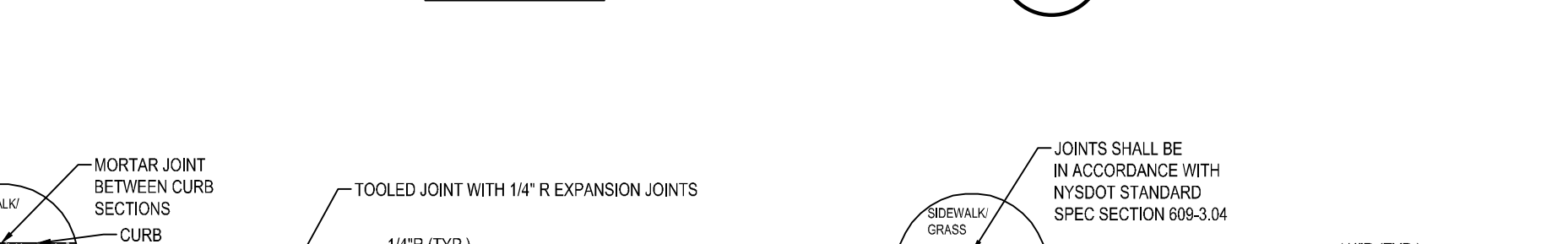
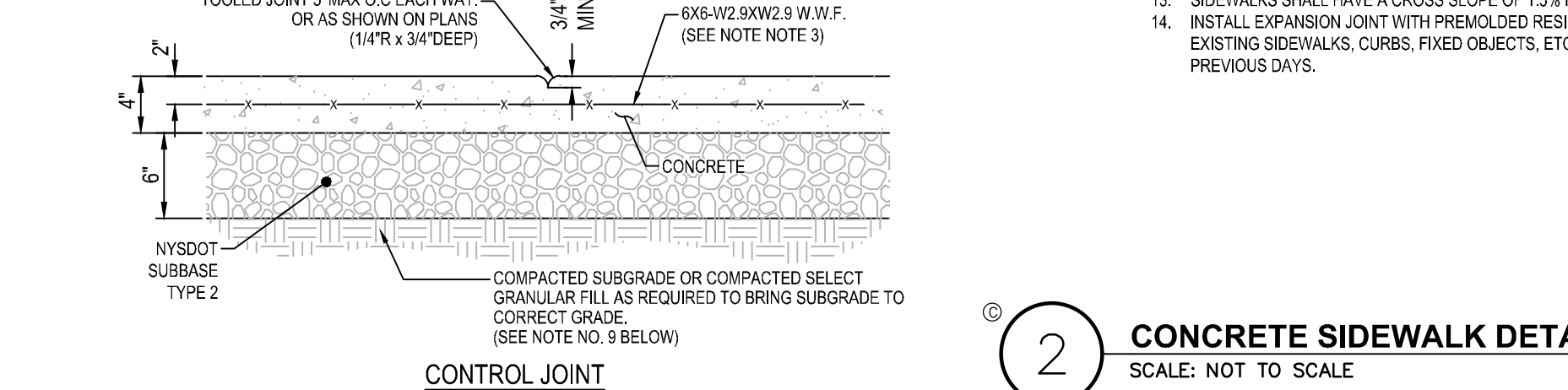
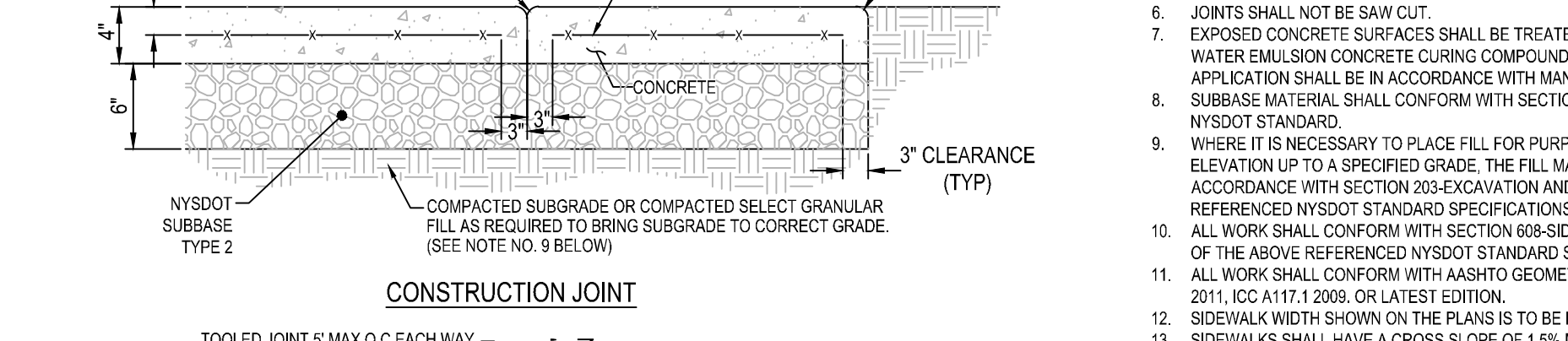
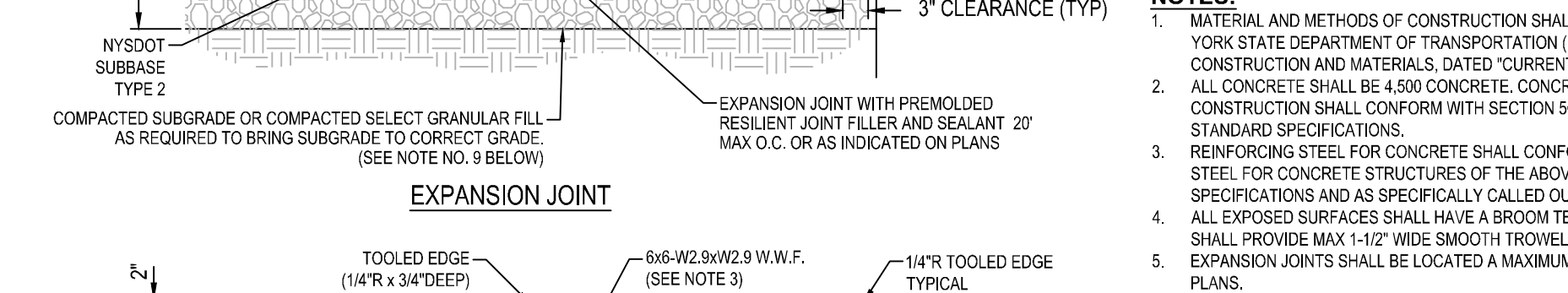
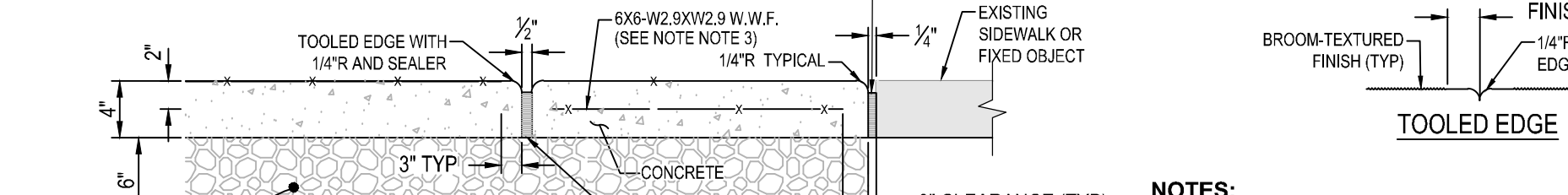
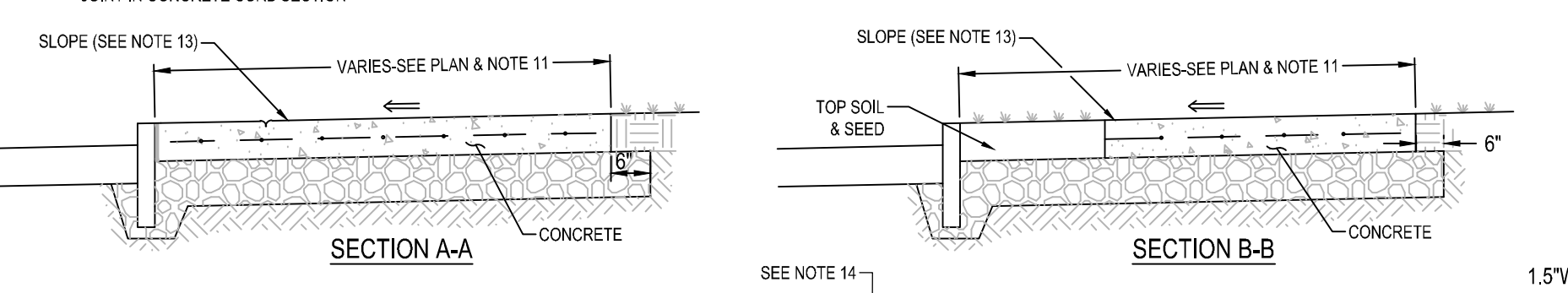
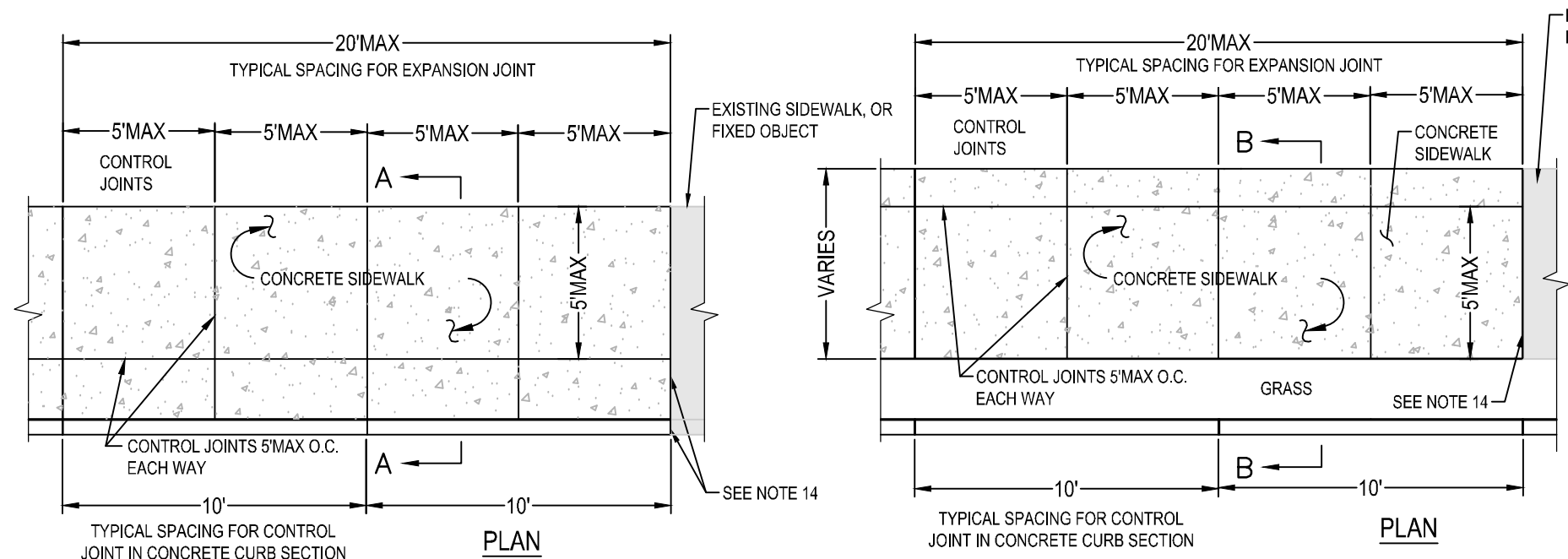


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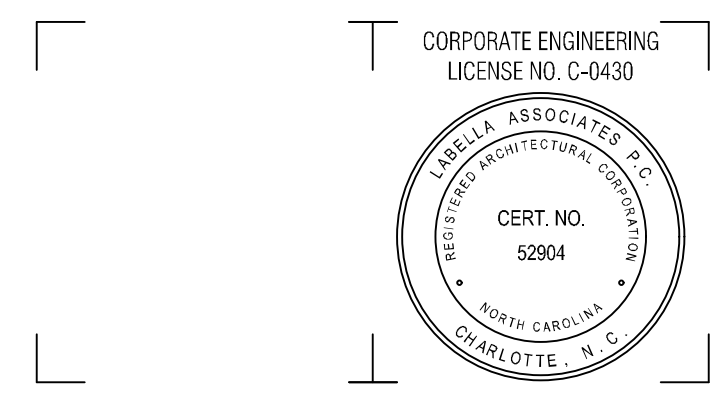
- MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "CURRENT VERSION" AND ALL ADDENDA THERE TO.
- SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.
- WARM MIX ASPHALT (WMA) PAVEMENT SHALL CONFORM WITH SECTION 400-WARM MIX ASPHALT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS. ALTHOUGH SECTION 400 IN ITS ENTIRETY IS REFERENCED, THE WMA MIX ASPHALT (WMA PAVEMENTS) SPECIFIED FOR THIS CONTRACT SHALL BE AS SPECIFIED UNDER SECTION 400-WARM MIX ASPHALT (WMA PAVEMENTS).
- TACK COAT WHEN SPECIFIED OR CALLED OUT IN THESE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATIONS SHALL CONFORM WITH SECTION 407-TACK COAT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.
- PAVEMENT SECTION SHOWN IS PRELIMINARY PRIOR TO BIDDING AND COMMENCEMENT OF CONSTRUCTION. THE FINAL DESIGN OF THE PAVEMENT SECTION MUST BE PREPARED BY A NYS LICENSED PROFESSIONAL ENGINEER AND MUST BE BASED ON A CURRENT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

- AL.T. NOTE 6: PAVEMENT SECTION DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY XXXXX DATED XXXXXX.
- AL.T. NOTE 6 FOR CDS: IF CLIENT DOES NOT PROVIDE OR WILL NOT AUTHORIZE PREPARATION OF A GEOTECHNICAL REPORT PRIOR TO SUBMITTANCE OF CDS.
- PAVEMENT SECTION SHOWN IS PRELIMINARY PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHOWING THE FINAL DESIGN OF THE PAVEMENT SECTION MUST BE PREPARED BY A NYS LICENSED PROFESSIONAL ENGINEER AND SUBMITTED FOR REVIEW.

1 PAVEMENT SECTION DETAIL
SCALE: NOT TO SCALE



NOT FOR CONSTRUCTION



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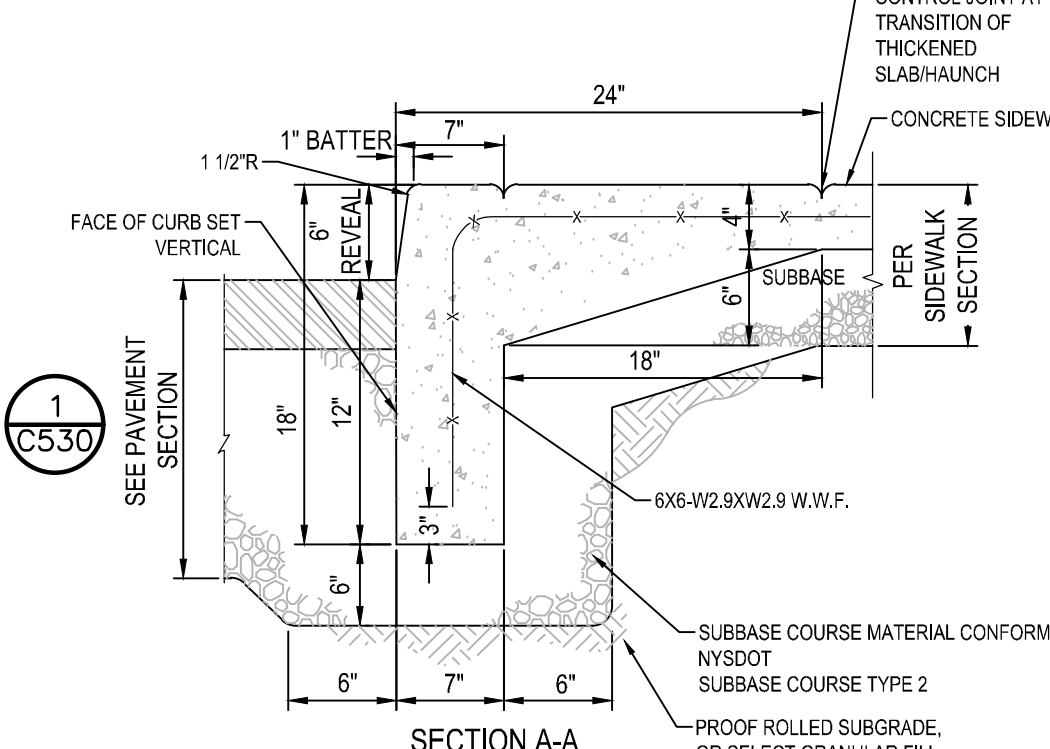
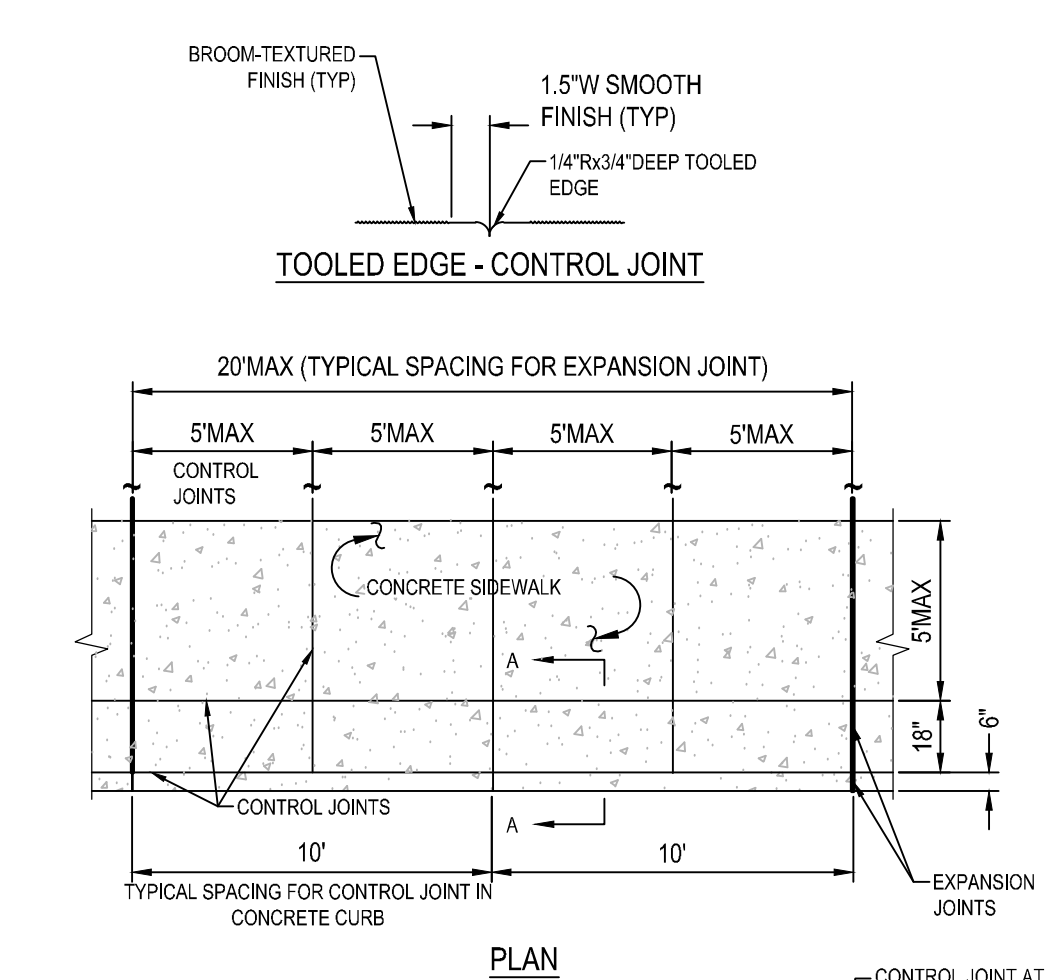
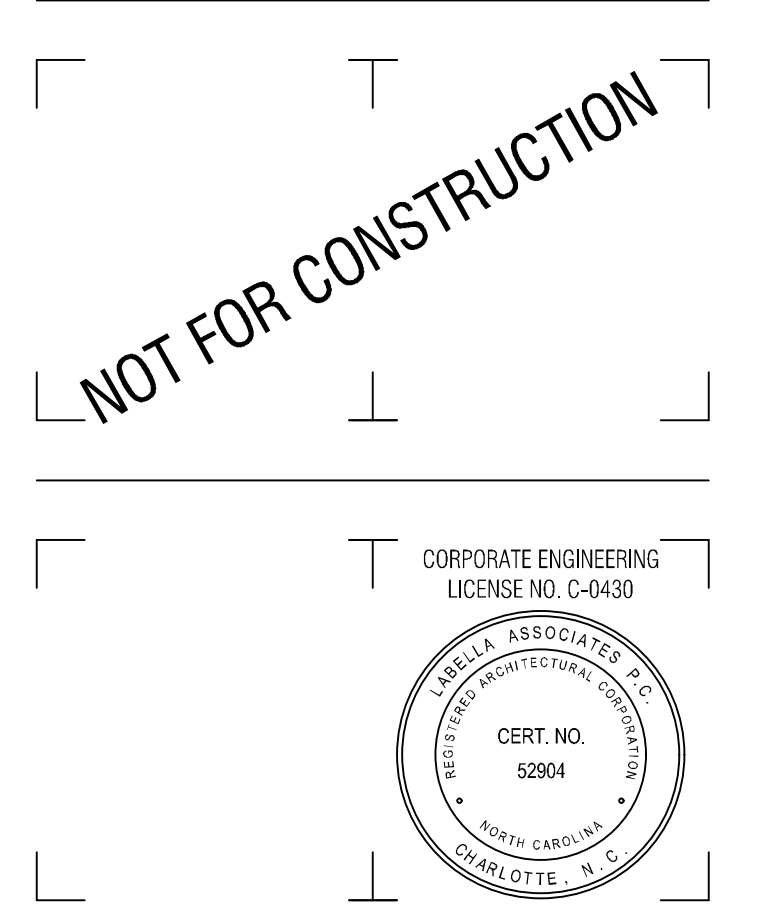
CONNECTICUT SPORTS GROUP
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:	223011	
DRAWN BY:	GA	
REVIEWED BY:	JRS	
ISSUED FOR:	ISSUED FOR	
DATE:	04/08/2024	
DRAWING NAME:		

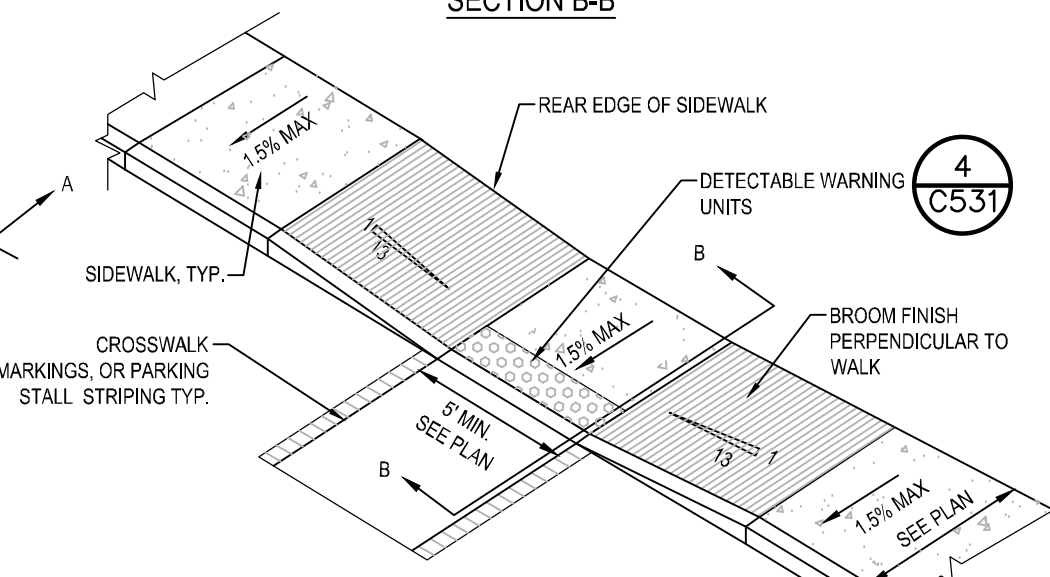
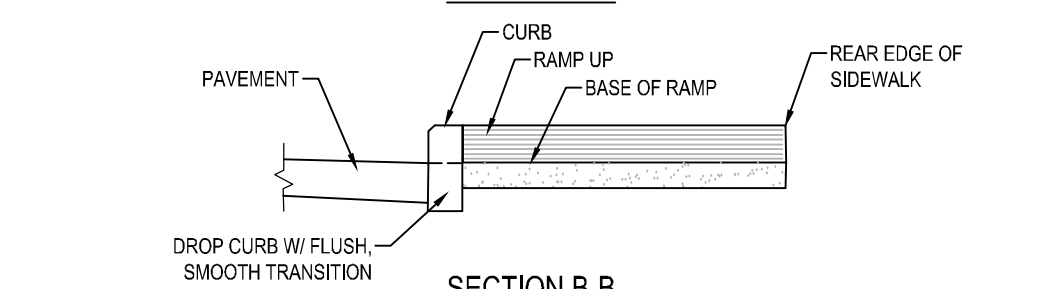
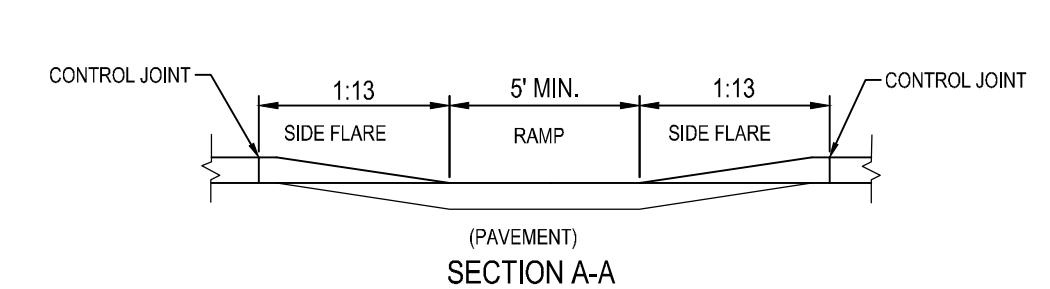
SITE DETAILS 1

C530



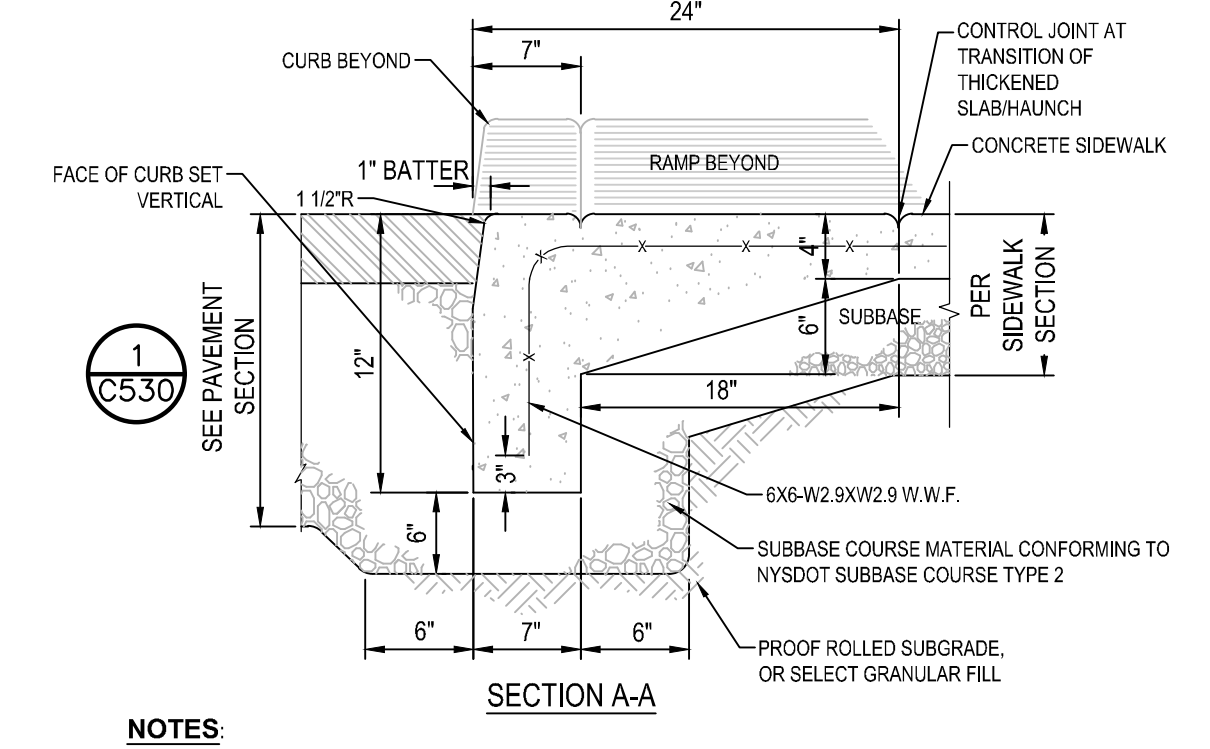
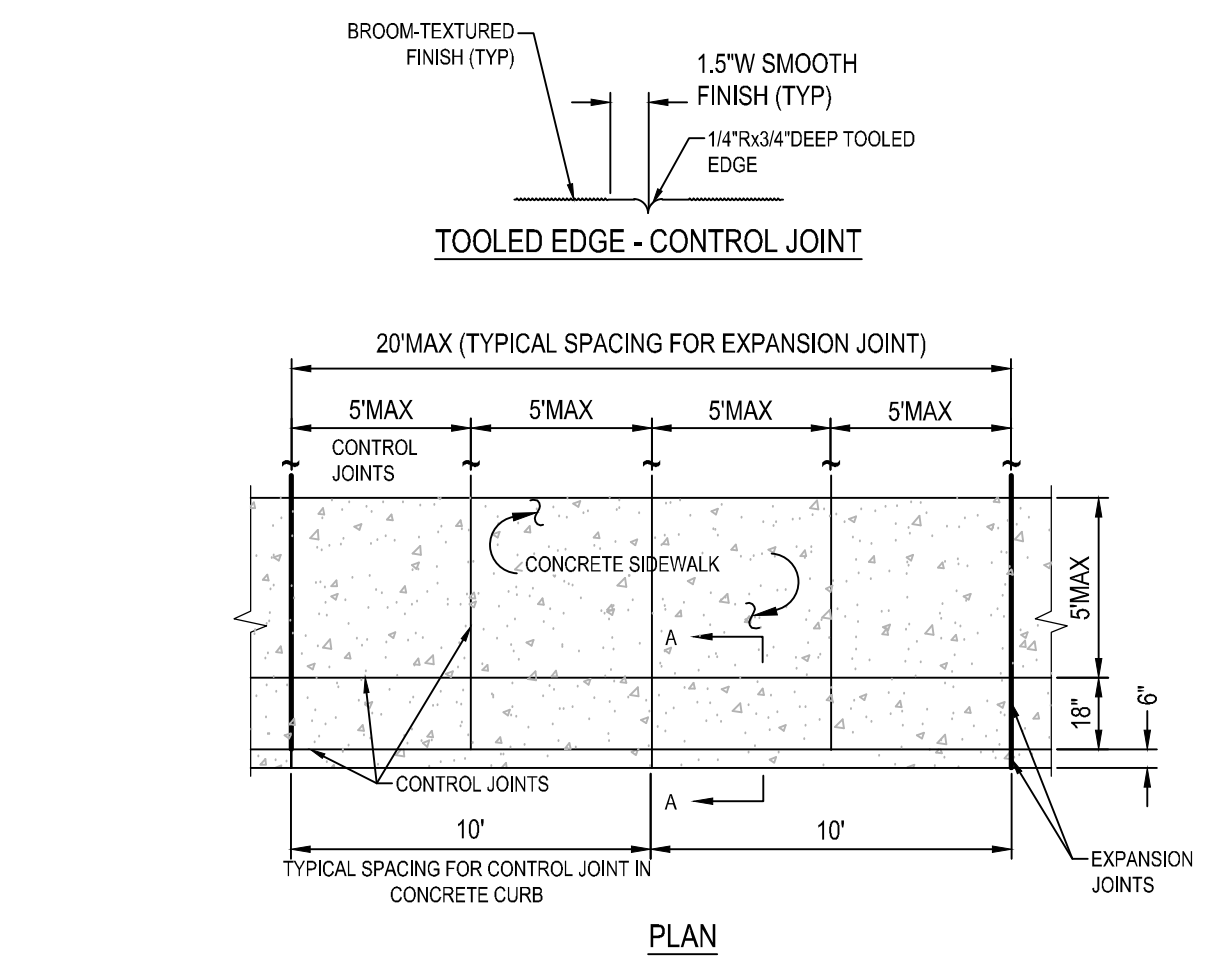
NOTES:
1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 609.
2. SEE CONCRETE SIDEWALK DETAIL FOR ADDITIONAL DETAILS & NOTES.

1 INTEGRAL CONCRETE CURB & SIDEWALK
SCALE: NOT TO SCALE



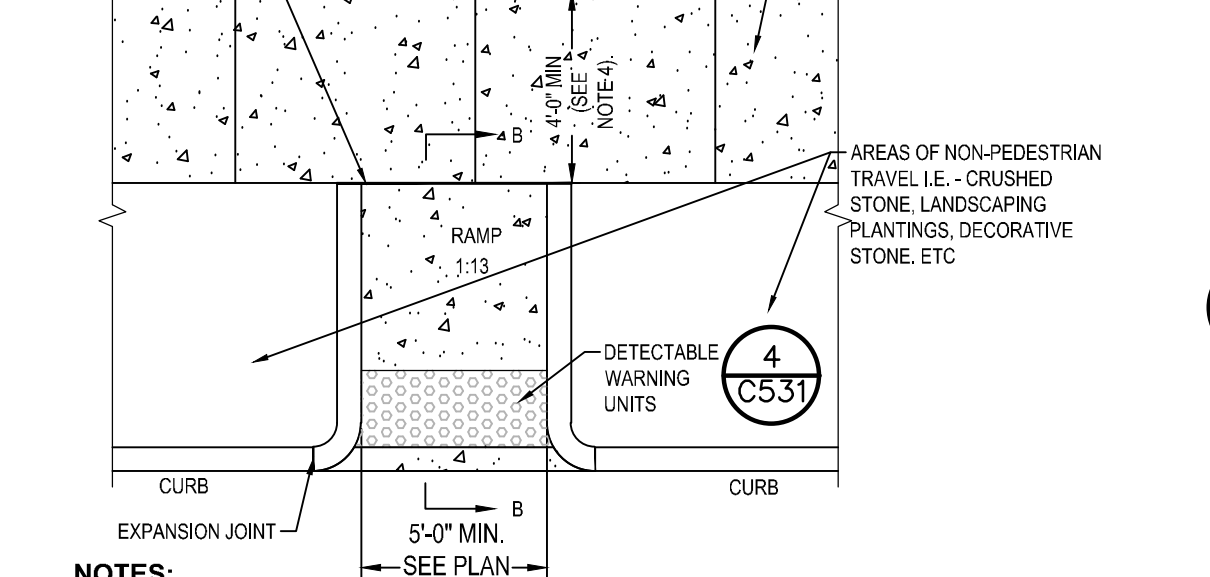
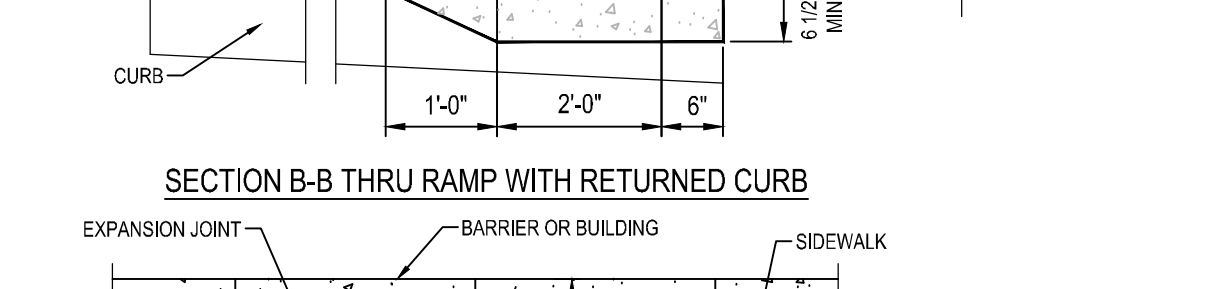
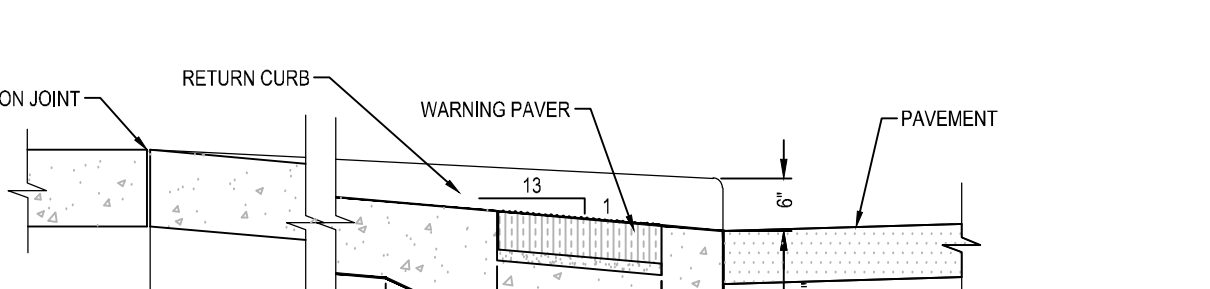
NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.

7 PEDESTRIAN RAMP SECTION - DROP CURB
SCALE: NOT TO SCALE



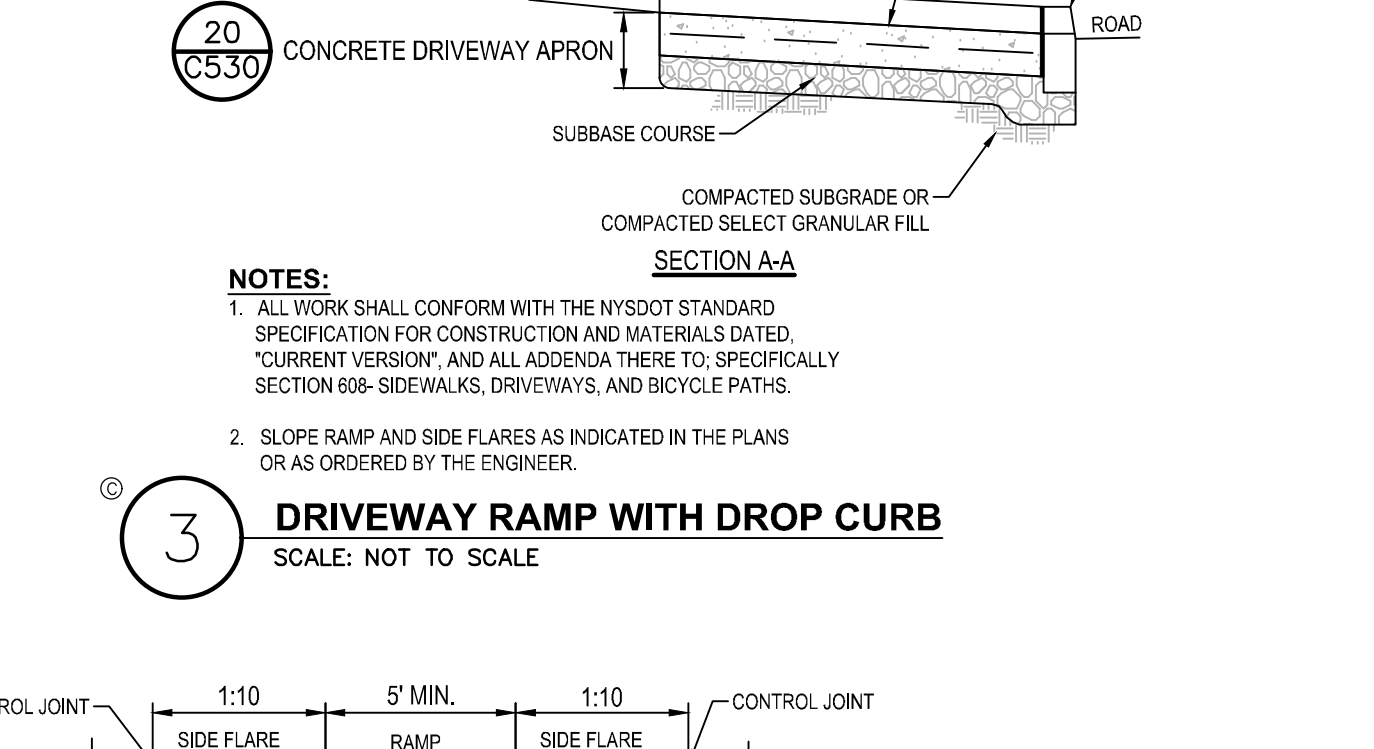
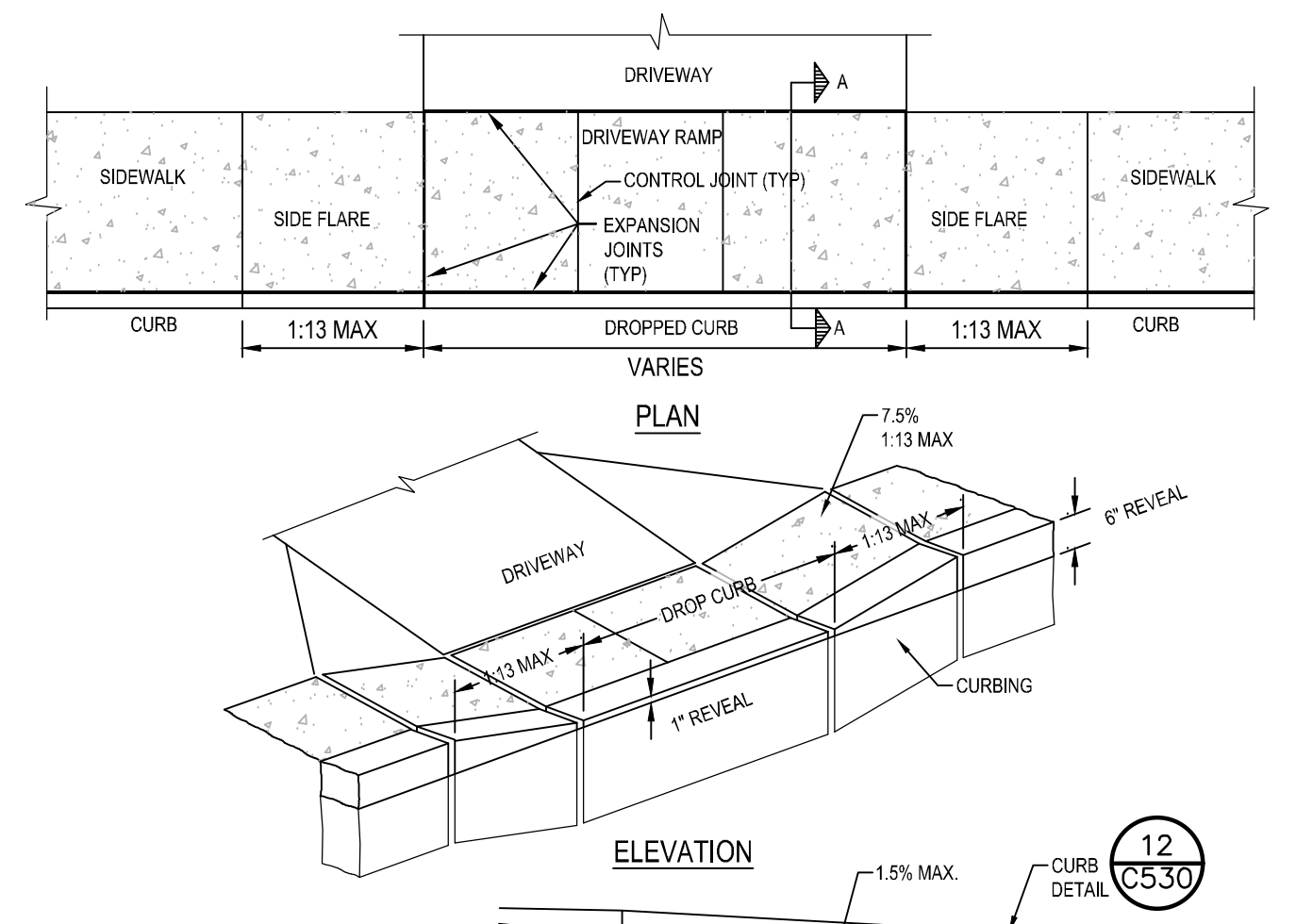
NOTES:
1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 609.
2. SEE CONCRETE SIDEWALK DETAIL FOR ADDITIONAL DETAILS & NOTES.

2 INTEGRAL CONCRETE CURB & SIDEWALK @ DROP CURB
SCALE: NOT TO SCALE



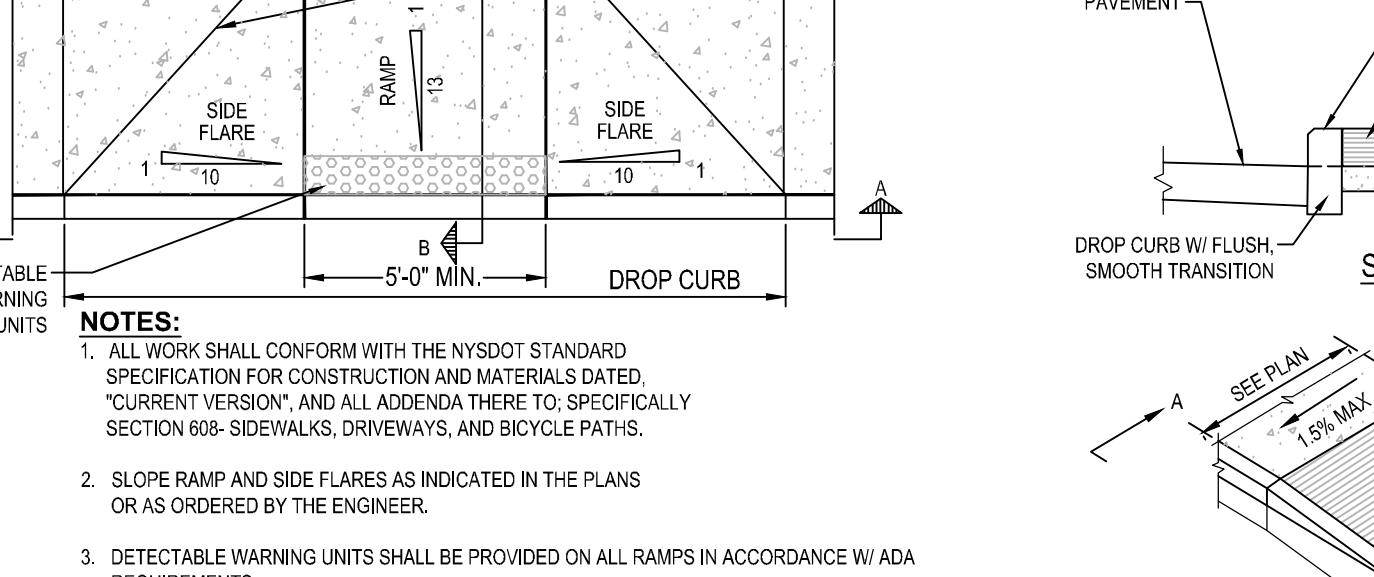
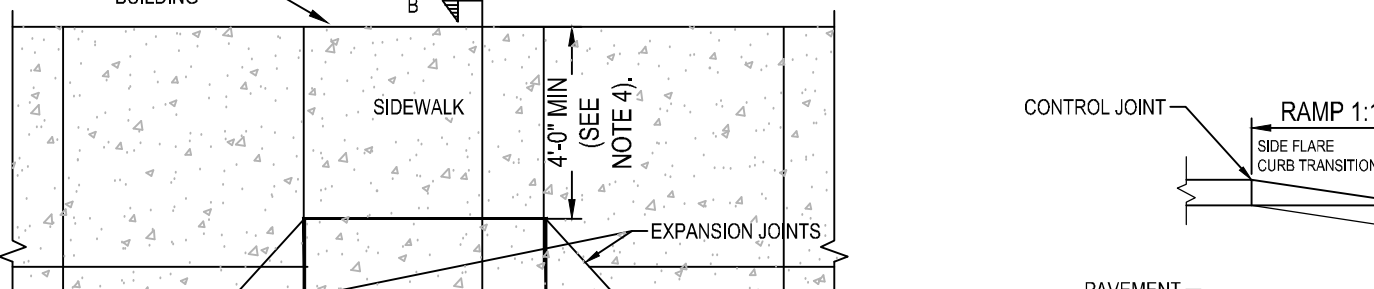
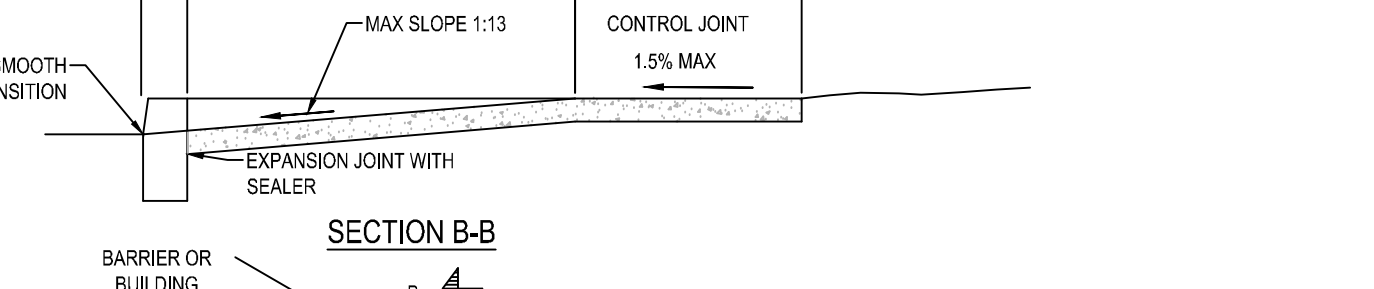
NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.
4. WHERE THIS DIMENSION IS LESS THAN 4'-0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

8 PEDESTRIAN RAMP WITH RETURNED CURB
SCALE: NOT TO SCALE



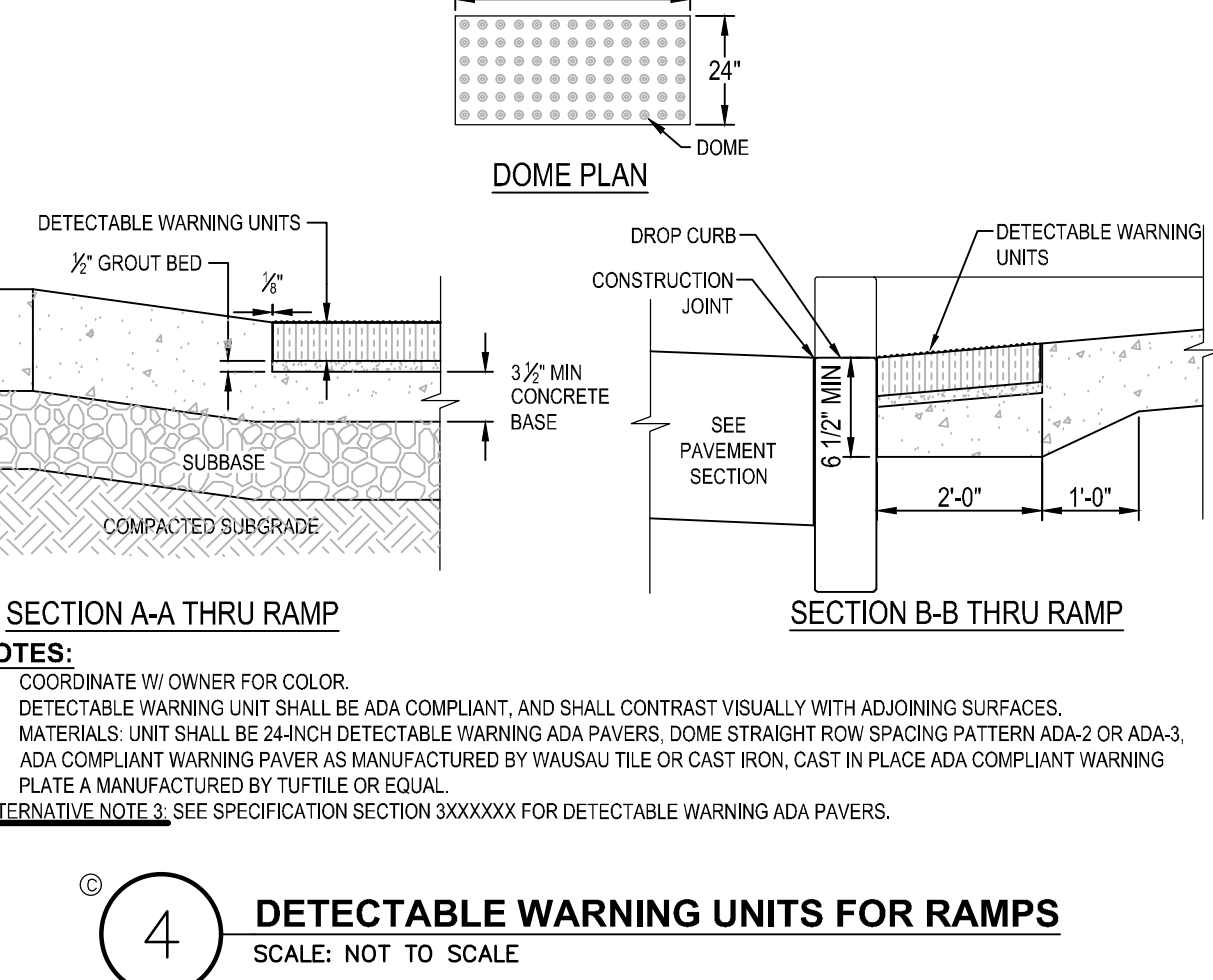
NOTES:
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2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.

3 DRIVEWAY RAMP WITH DROP CURB
SCALE: NOT TO SCALE

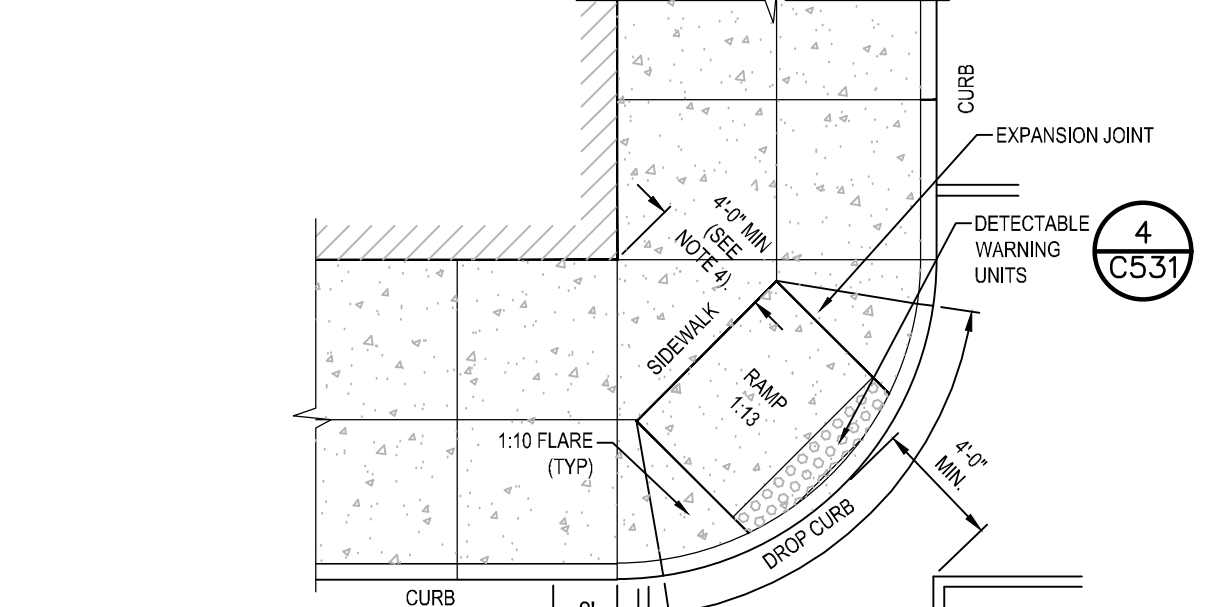


NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.
4. WHERE THIS DIMENSION IS LESS THAN 4'-0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

9 PEDESTRIAN RAMP WITH FLARED SLOPES
SCALE: NOT TO SCALE

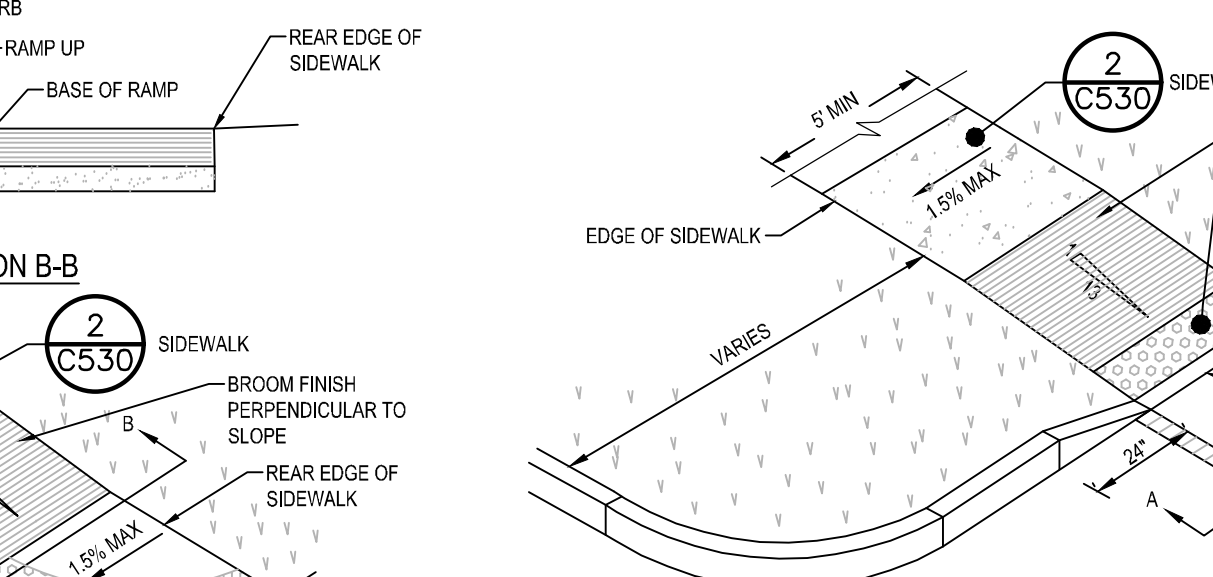
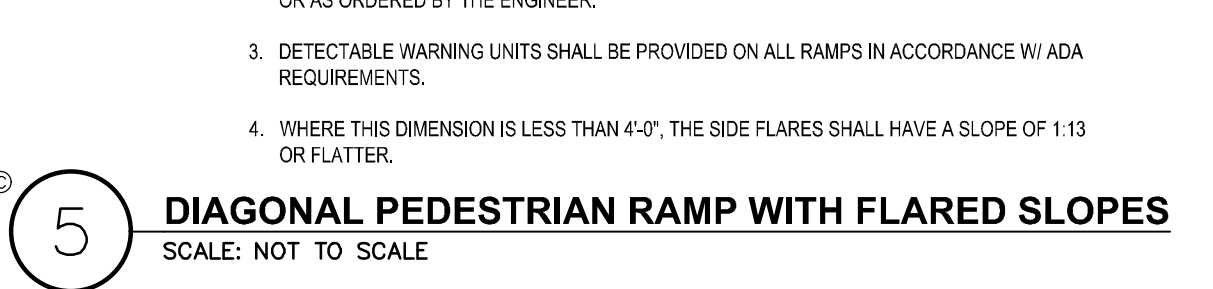


4 DETECTABLE WARNING UNITS FOR RAMPS
SCALE: NOT TO SCALE



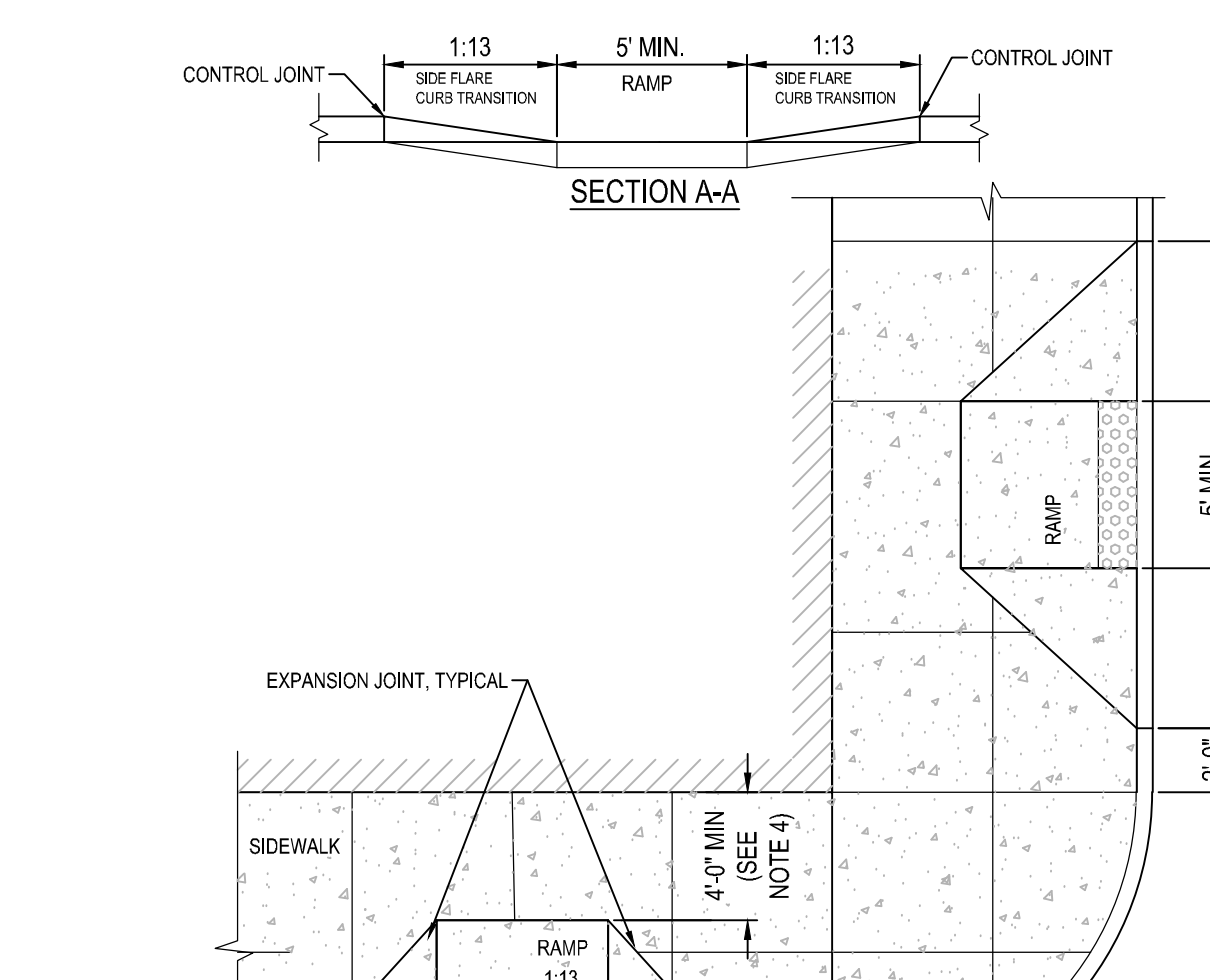
NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.
4. WHERE THIS DIMENSION IS LESS THAN 4'-0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

5 DIAGONAL PEDESTRIAN RAMP WITH FLARED SLOPES
SCALE: NOT TO SCALE

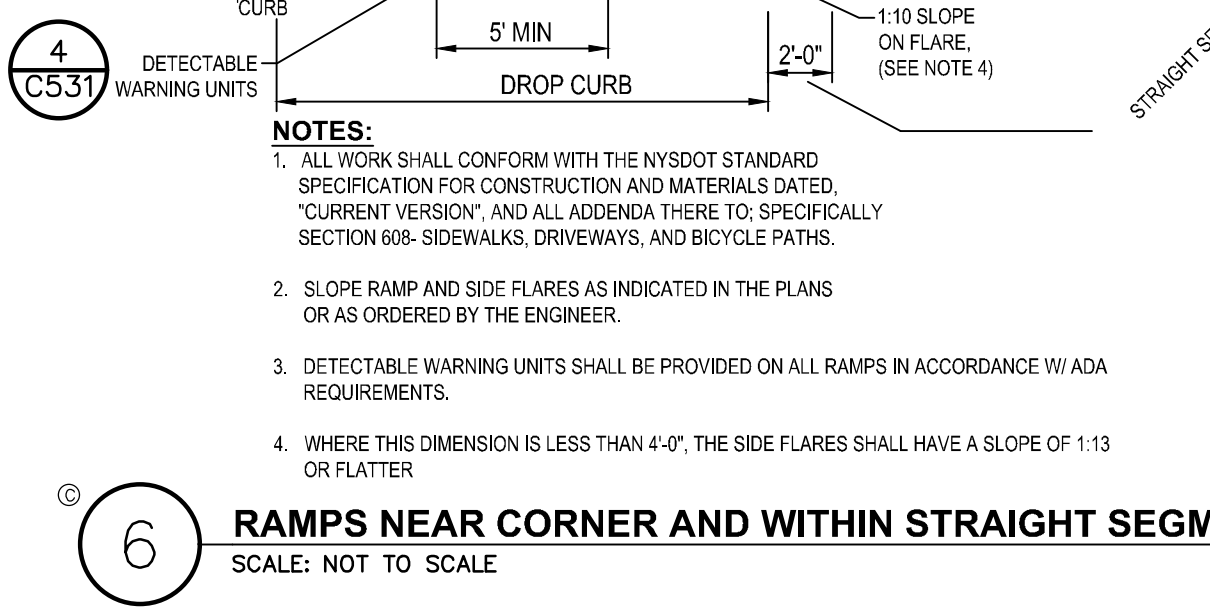


NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.

11 PEDESTRIAN RAMP SECTION - DROP CURB
SCALE: NOT TO SCALE

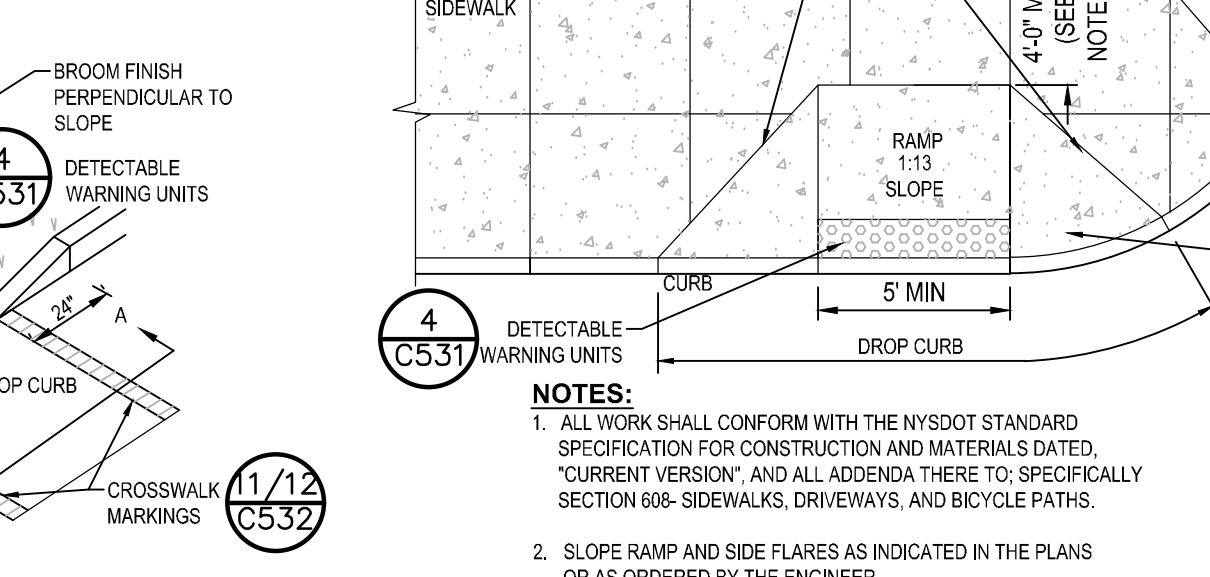
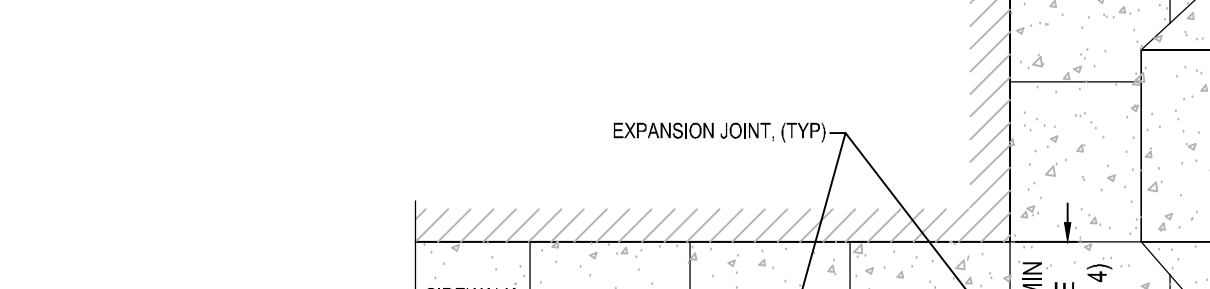


6 RAMPS NEAR CORNER AND WITHIN STRAIGHT SEGMENT OF CURB
SCALE: NOT TO SCALE



NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.
4. WHERE THIS DIMENSION IS LESS THAN 4'-0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

12 RAMPS NEAR CORNER AND INTO RADIUS OF CURB
SCALE: NOT TO SCALE



NOTES:
1. ALL WORK SHALL CONFORM WITH THE NYSDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS DATED, "CURRENT VERSION", AND ALL ADDENDA THERE TO SPECIFICALLY SECTION 609-SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS.
2. SLOPE RAMP AND SIDE FLARES AS INDICATED IN THE PLANS OR AS ORDERED BY THE ENGINEER.
3. DETECTABLE WARNING UNITS SHALL BE PROVIDED ON ALL RAMPS IN ACCORDANCE W/ ADA REQUIREMENTS.
4. WHERE THIS DIMENSION IS LESS THAN 4'-0", THE SIDE FLARES SHALL HAVE A SLOPE OF 1:13 OR FLATTER.

10 PEDESTRIAN RAMP SECTION - DROP CURB
SCALE: NOT TO SCALE

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER: 2230111		
DRAWN BY: GA		
REVIEWED BY: JRS		
ISSUED FOR: ISSUED FOR		
DATE: 04/08/2024		
DRAWING NAME:		

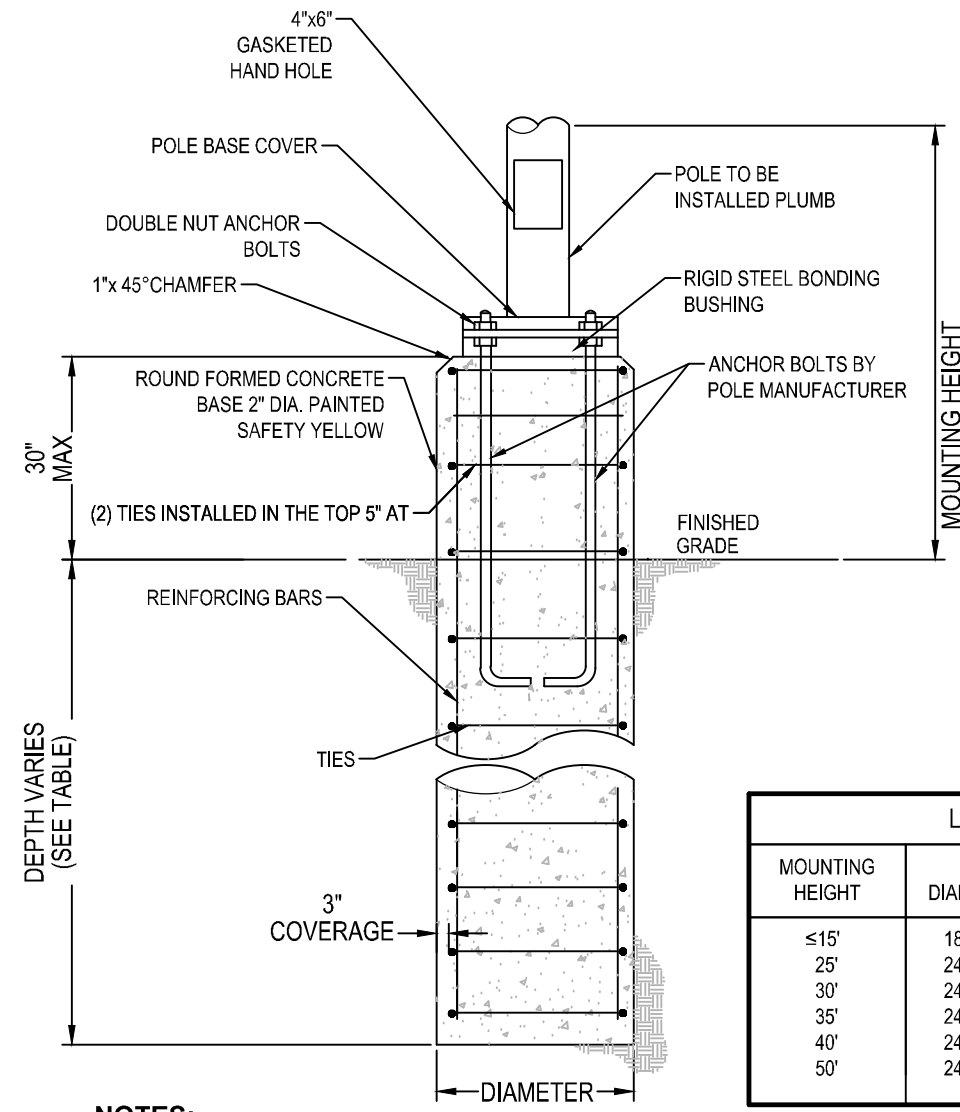
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SIGN NO.	SIGN FACE	MUTCD NUMBER	MIN SIZE	BACK GRND	LEGEND	MOUNTING
1	STOP	R1-1	30"x30"	RED	WHITE	(C5.3.7)
2	ALL WAY	R1-4	18"x6"	RED	WHITE	(C5.3.7)
3	ONE WAY	R4-7c	18"x24"	WHITE	BLACK	(C5.3.7)
4	ONE WAY	R6-1L	36"x12"	BLACK	WHITE	(C5.3.7)
5	ONE WAY	R6-1R	36"x12"	BLACK	WHITE	(C5.3.7)
6	WALKING	W11-2	24"x24"	YELLOW P/G	BLACK	(C5.3.7)
7	BIKE	W16-7P	24"x12"	YELLOW P/G	BLACK	(C5.3.7)
8	SPEED LIMIT 30	R2-1	18"x24"	WHITE	BLACK	(C5.3.7)
9	COMMITTED	R5-1	30"x30"	RED	WHITE	(C5.3.7)
10	WHEELCHAIR	NY R7-80	12"x18"	WHITE/BLUE	GREEN/WHITE	(C5.3.7)
11	VAN ACCESSIBLE	R7-8P	12"x6"	WHITE	BLUE	(C5.3.7)
12	YIELD	R1-2	30"	WHITERED	RED	(C5.3.7)
13	NO PARKING ANY TIME	R1-1	12"x18"	WHITE	RED	(C5.3.7)
14	NO PARKING	R3-2	30"x30"	WHITE	BLACK/RED	(C5.3.7)
15	EVETC	AS SHOWN	12"x18"	WHITE	GREEN	(C5.3.7)

1 MUTCD SIGN SCHEDULE
SCALE: NOT TO SCALE

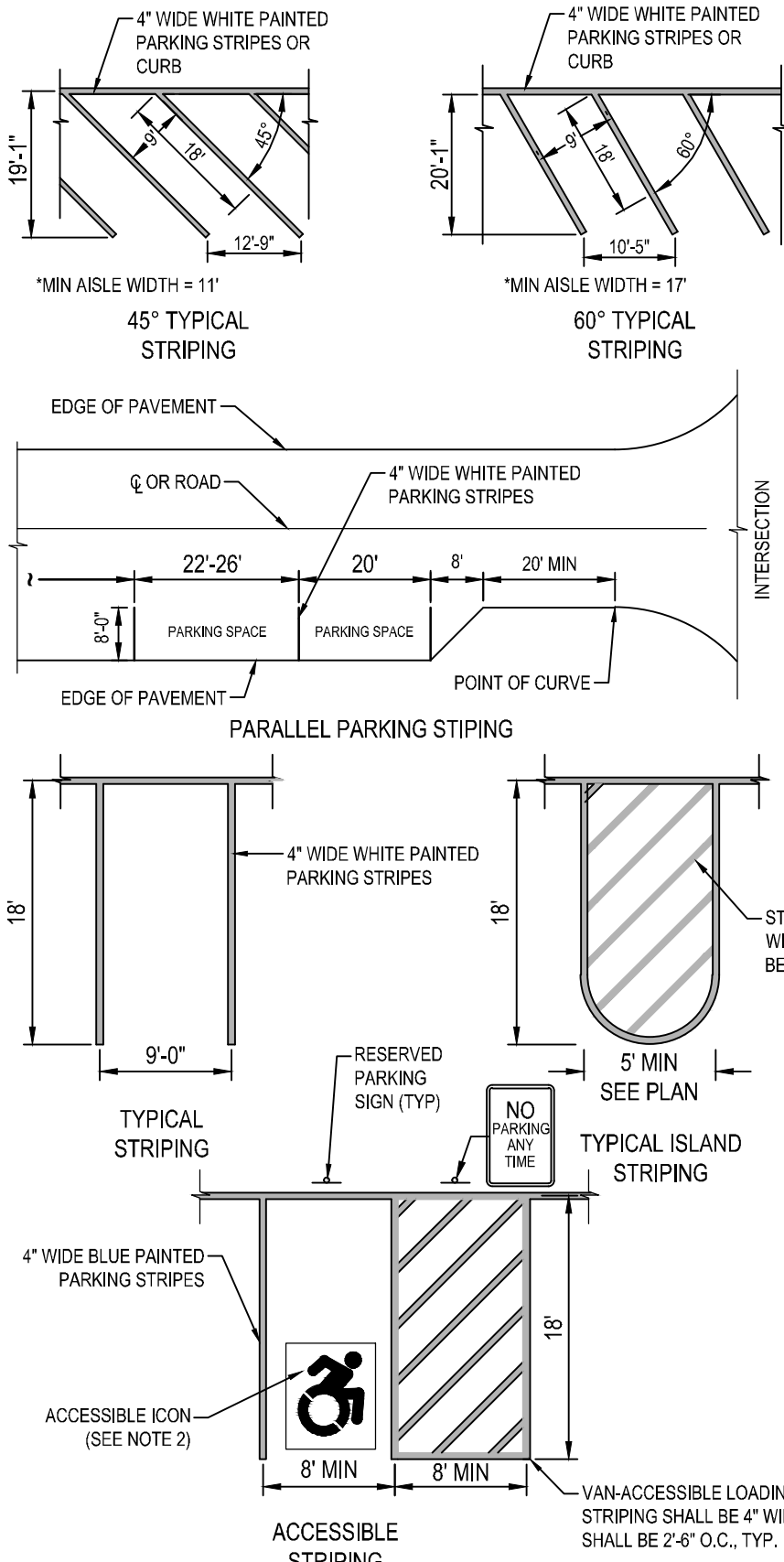
- STRIPING NOTES:**
- ALL STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 640 AND THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - 2009 EDITION AND THE "NY5 SUPPLEMENT".
 - STRIPING PAVEMENT AS INDICATED ON THE PLANS AND/OR IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
 - STRIPING WORK WILL BE REVIEWED AND ACCEPTED BY THE AUTHORITY HAVING JURISDICTION.
 - COLOR: DRIVE LANE DIVIDERS - WHITE OR AOBIE
NO PARKING ZONE WARNINGS - WHITE OR AOBIE
PARKING DIVIDERS - WHITE OR AOBIE
WALKING LINES - WHITE OR AOBIE
ACCESSIBLE PARKING LINES & SYMBOL - BLUE

- SIGNAGE NOTES:**
- ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 645 AND THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - 2009 EDITION AND THE "NY5 SUPPLEMENT".
 - SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7' MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - 2009 EDITION AND THE "NY5 SUPPLEMENT".
 - SIGN POST SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPECS SECTION 730.



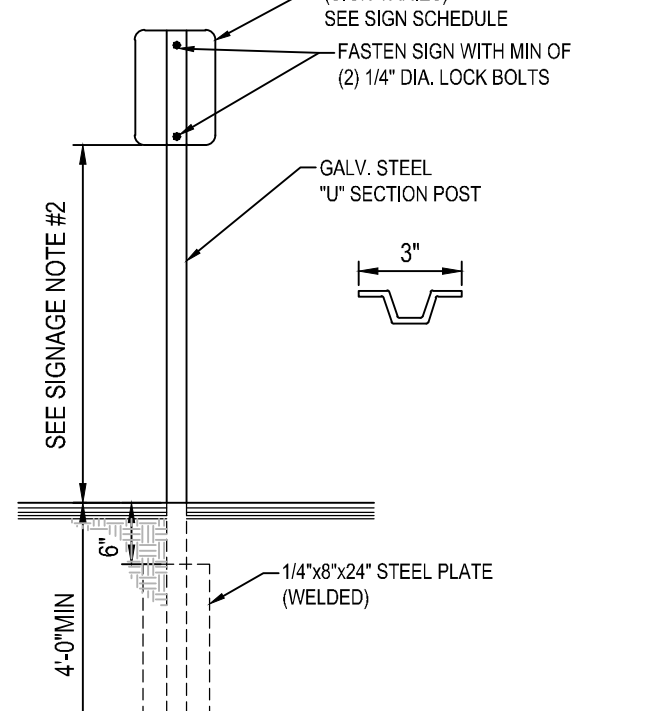
- NOTES:**
- CONDUITS AND GROUNDING SHALL BE AS REQUIRED BY THE ELECTRICAL DESIGN.
 - ALL CONCRETE SHALL BE 4500 PSI @ 28 DAYS.
 - ALL REINFORCING STEEL SHALL BE GRADE 60.
 - DESIGNED FOR 80 MPH WIND WITH FIXTURE AREA OF 13 SF.
 - FOUNDATION DIAMETER AND REINFORCING CIRCLE SHALL BE COORDINATED WITH ANCHOR BOLT LIMITS.
 - FOUNDATIONS SHALL BE AUGERED INTO UNDISTURBED NATURAL SOIL OR COMPACTED FILL PER SITE GRADING PLANS.

22 LOT LIGHTING CONCRETE BASE
SCALE: NOT TO SCALE

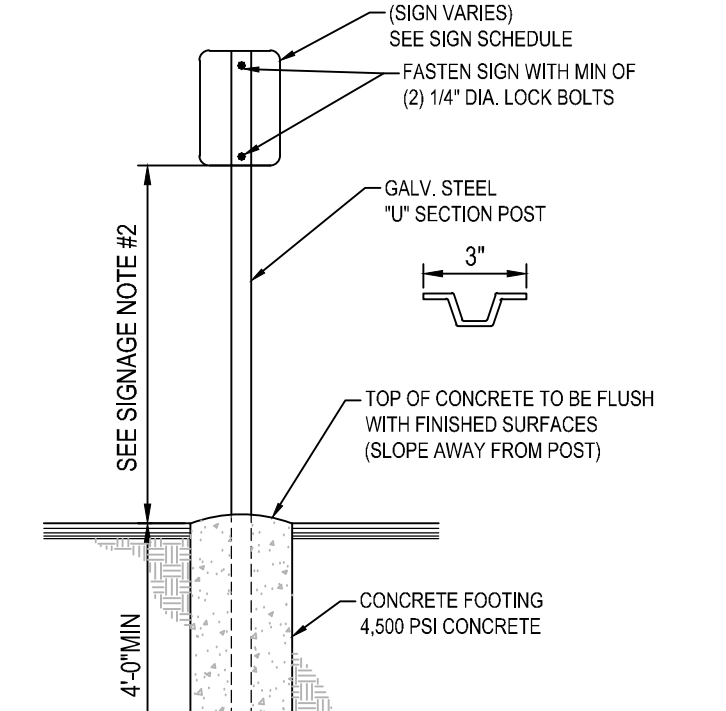


- NOTES:**
- ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH ADA STANDARD AND CURRENT ZONING AND SITE REGULATIONS.
 - PAINTED ACCESSIBLE LOGO TO BE IN ACCORDANCE WITH CONNECTICUT STATE LAW.
 - SLOPE OF PAVEMENT SURFACE IN ACCESSIBLE PARKING AREA SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
 - SEE PLAN FOR ACTUAL LOCATION OF SIGNAGE.

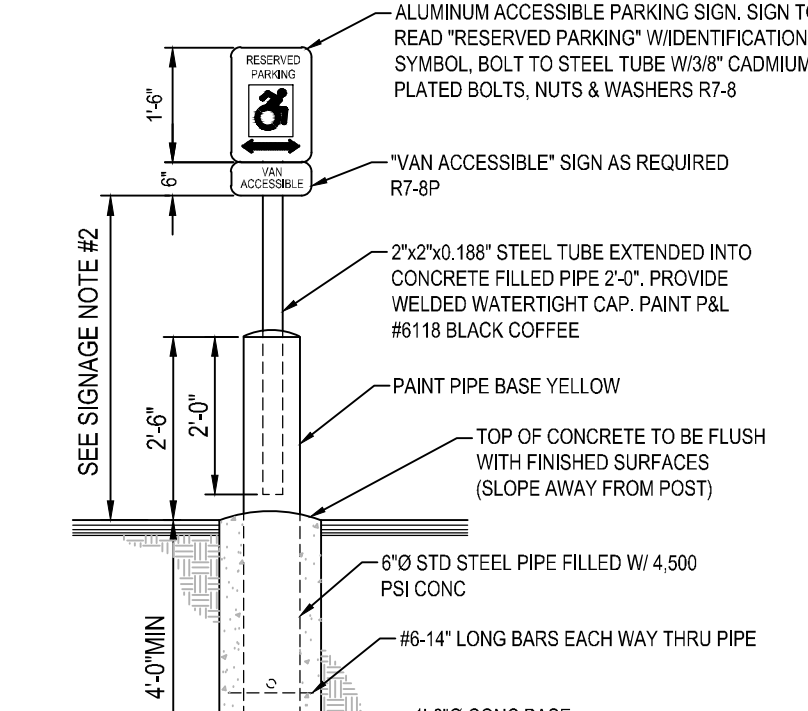
2 PAVEMENT MARKING DETAIL PARKING STRIPING
SCALE: NOT TO SCALE



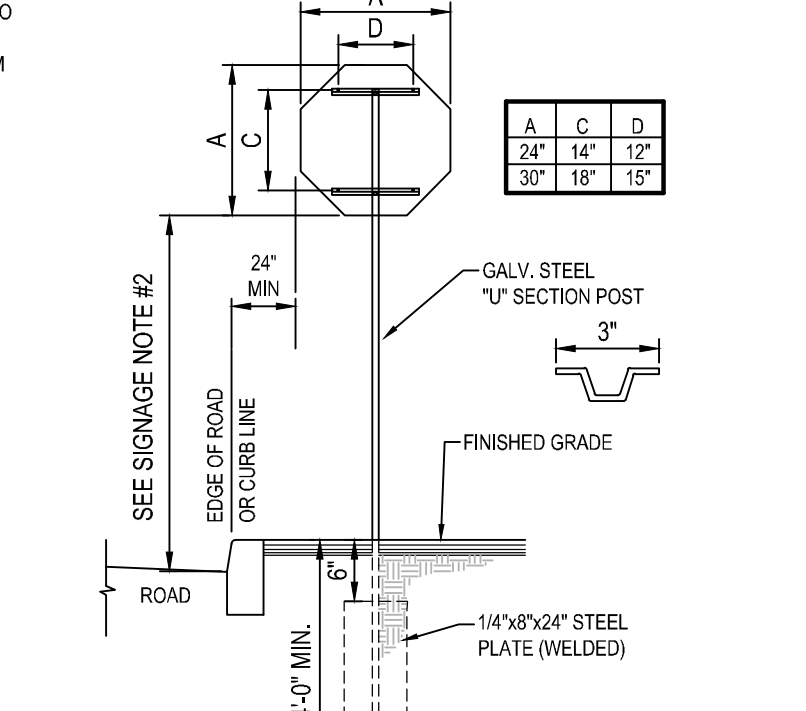
3 SINGLE POST SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



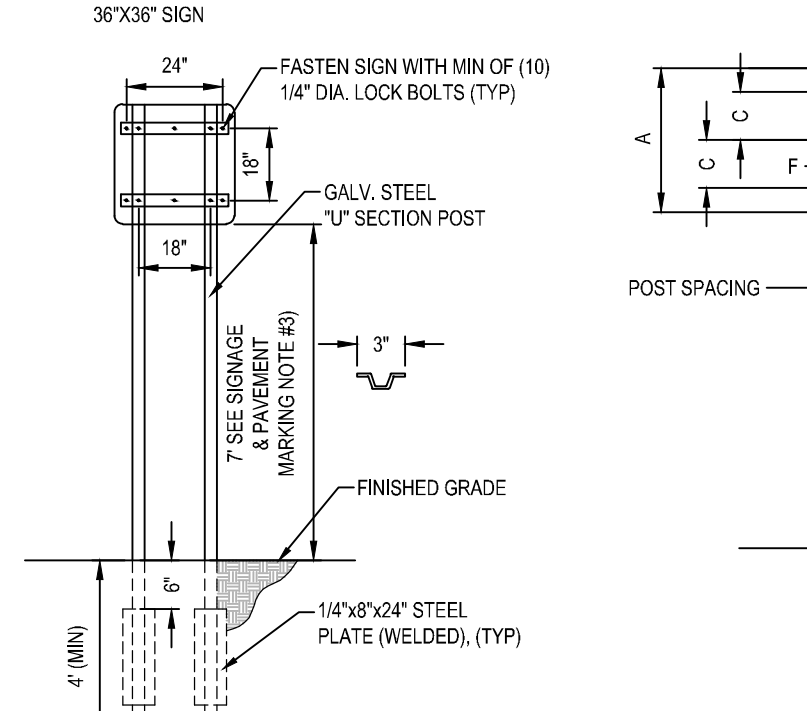
4 TUBULAR POST SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



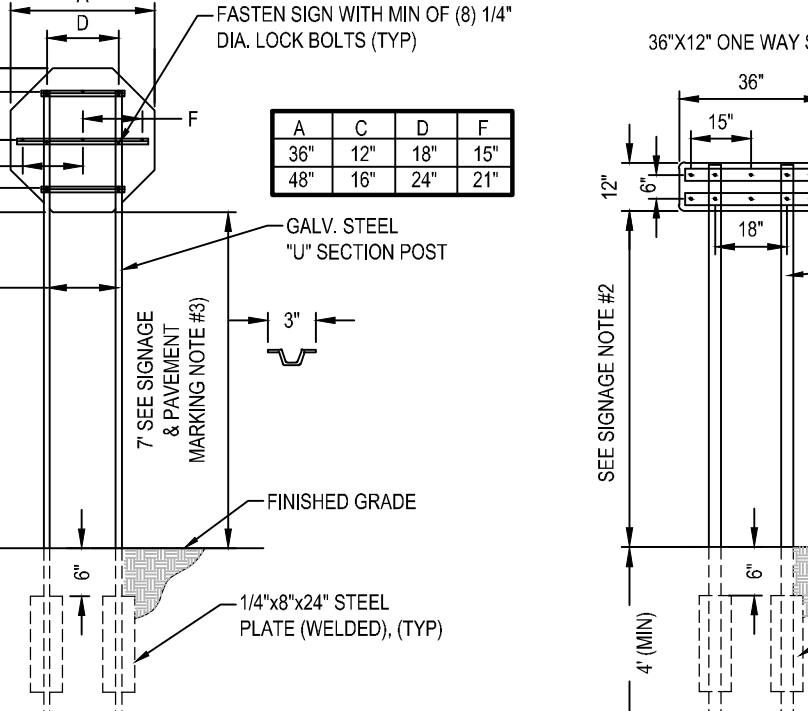
5 TWO POST SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



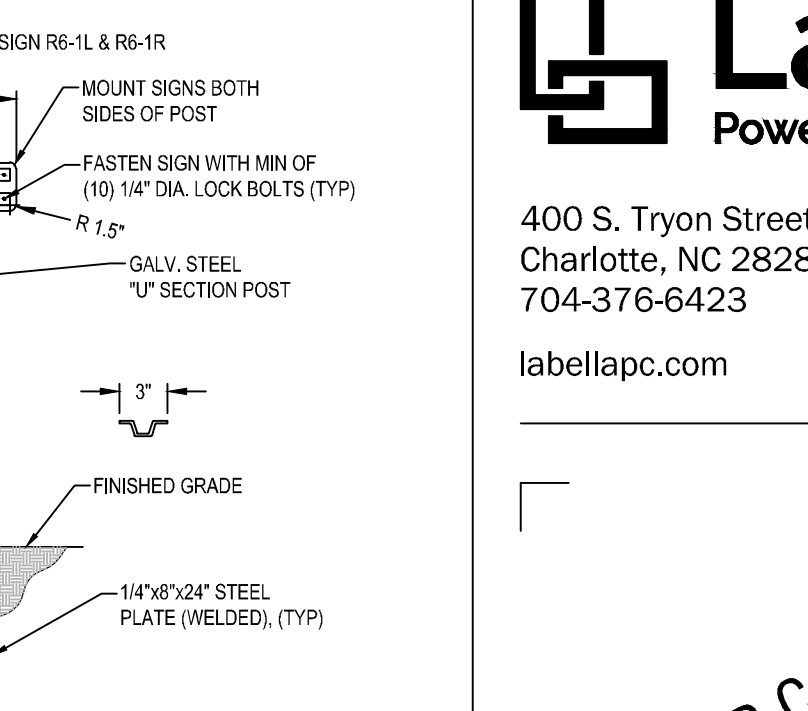
6 SINGLE POST STOP SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



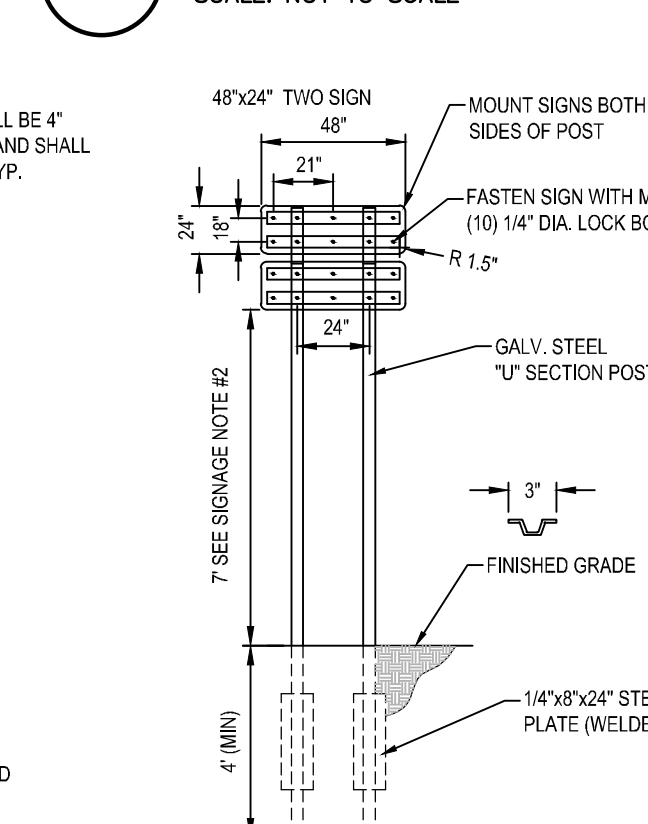
7 TWO POST STOP SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



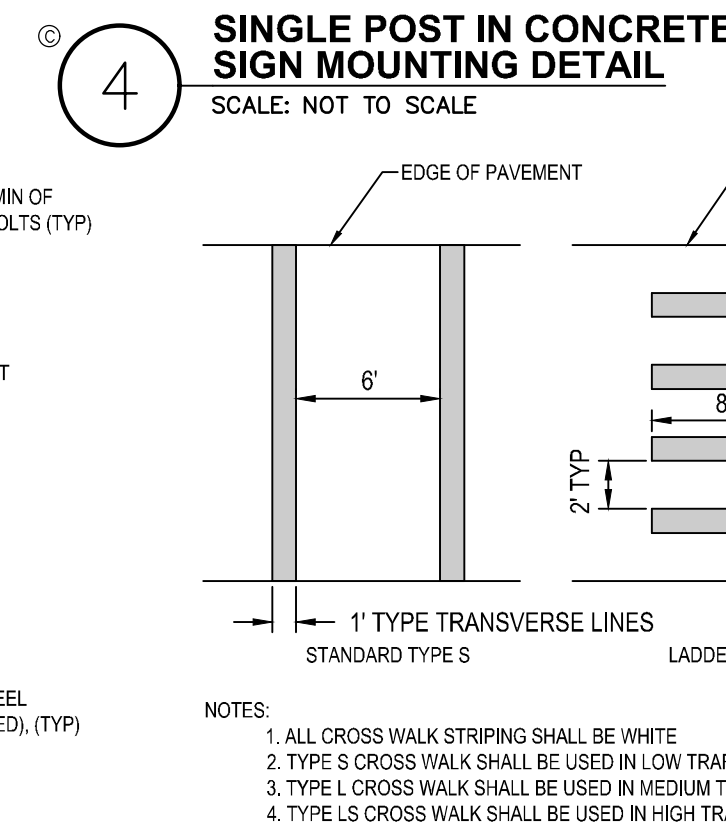
8 TWO POST STOP SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



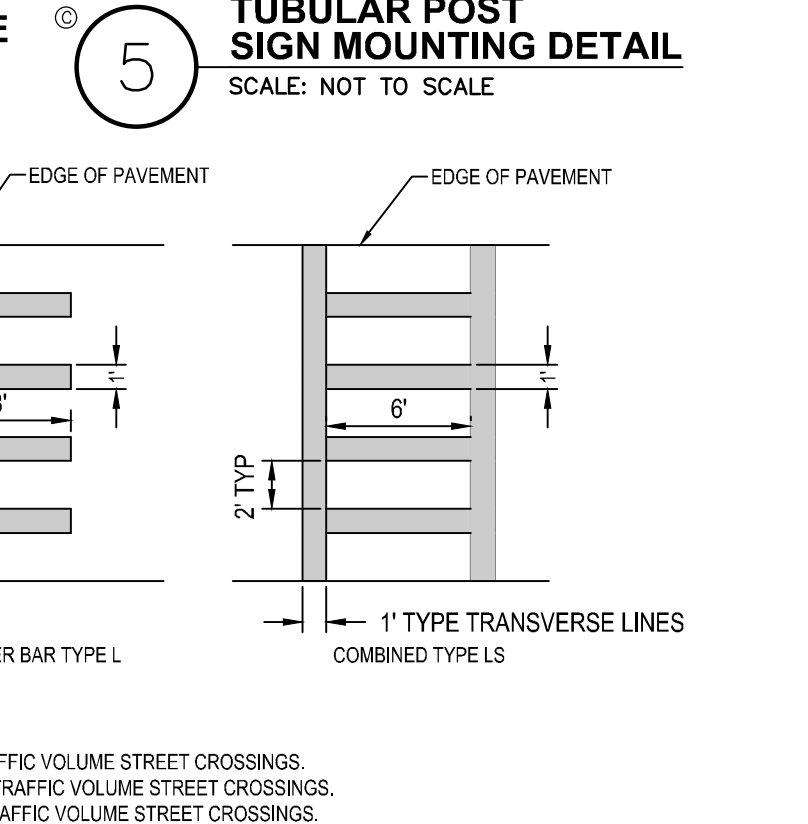
9 TWO POST ONE WAY SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



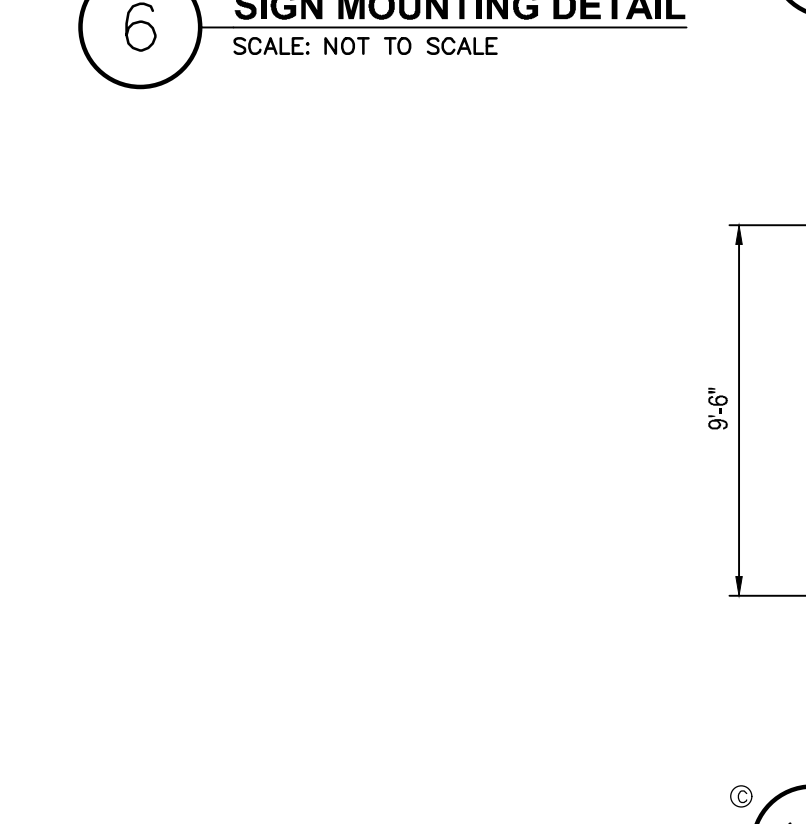
10 TWO POST TWO SIGN MOUNTING DETAIL
SCALE: NOT TO SCALE



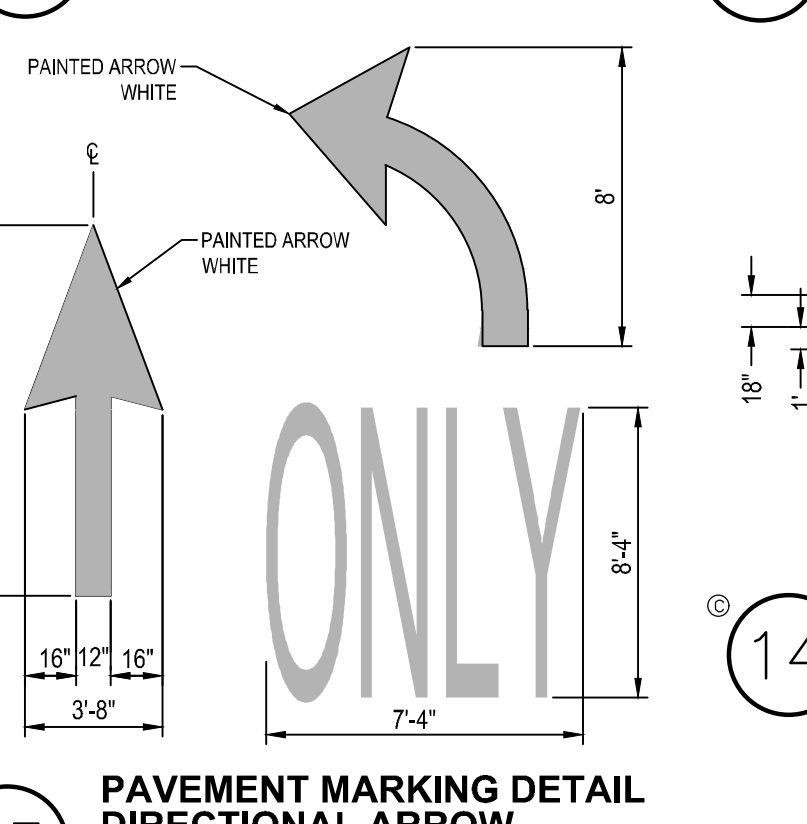
11 CROSSWALK STRIPING DETAIL
SCALE: NOT TO SCALE



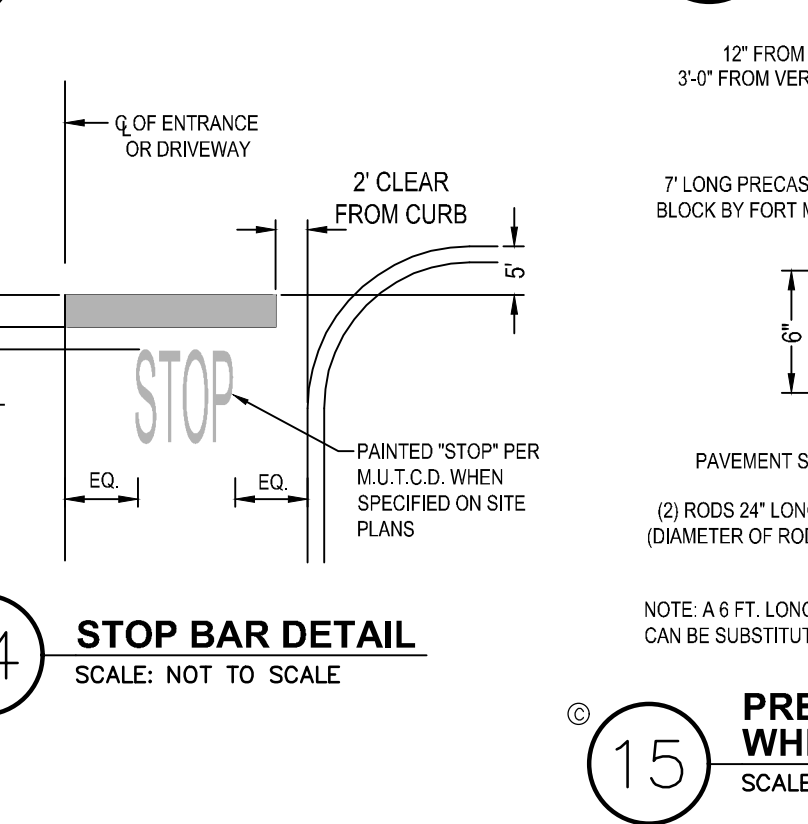
18 REMOVABLE PIPE BOLLARD DETAIL
SCALE: NOT TO SCALE



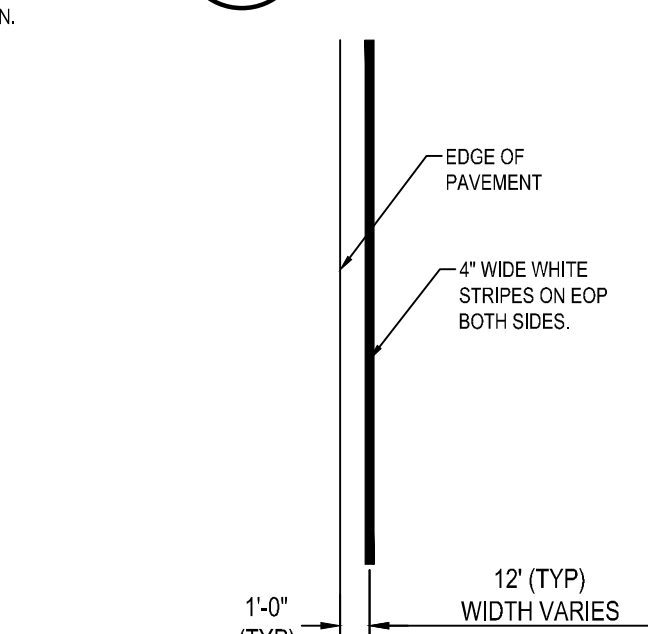
19 STEEL & CONCRETE BOLLARD DETAIL
SCALE: NOT TO SCALE



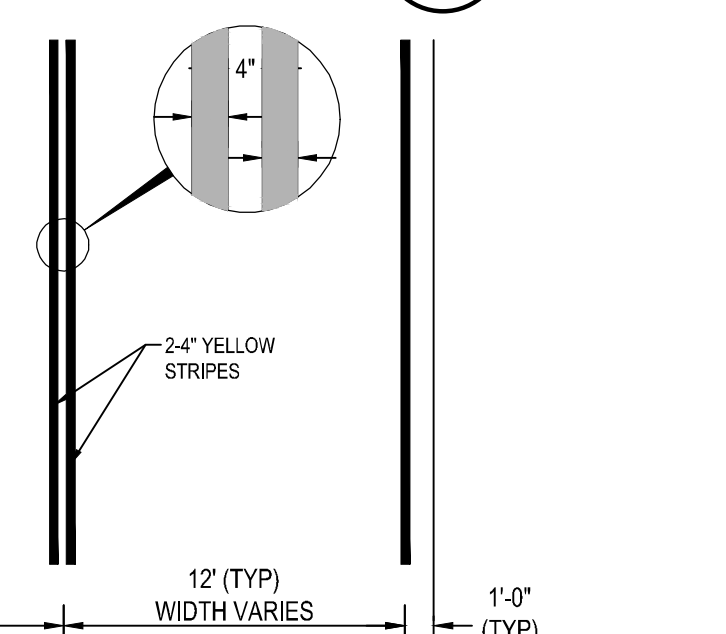
20 PAINTED STRIPED BOLLARD DETAIL
SCALE: NOT TO SCALE



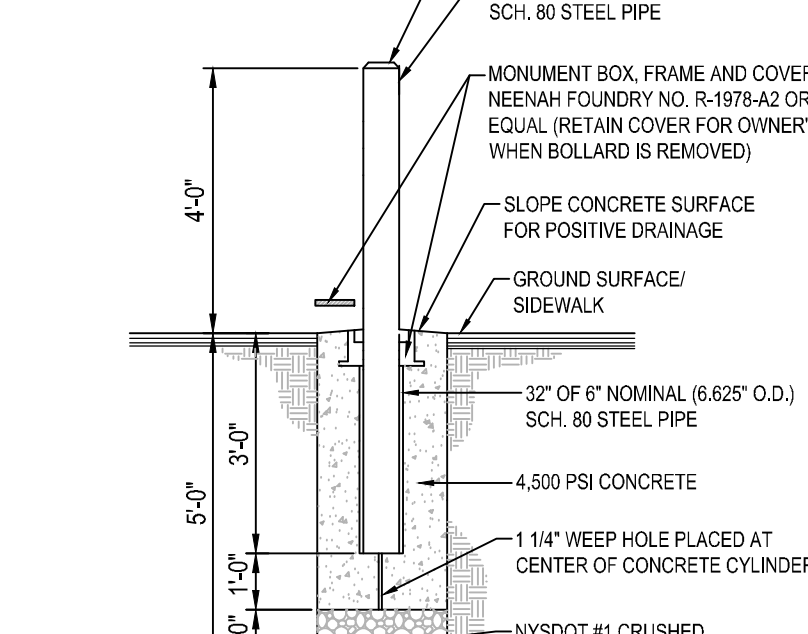
21 BOLLARD LIGHT - LED - DETAIL
SCALE: NOT TO SCALE



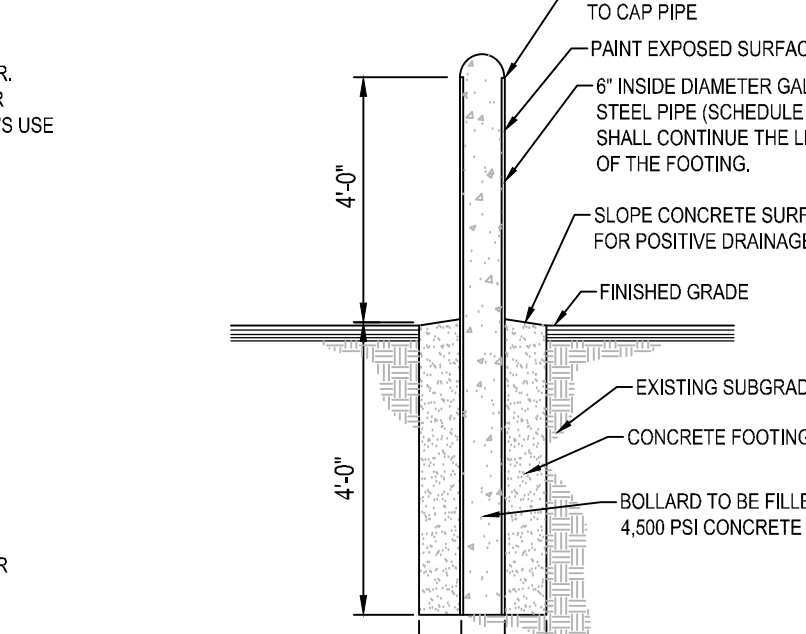
17 PAVEMENT MARKING DETAIL TYPICAL ROAD STRIPING
SCALE: NOT TO SCALE



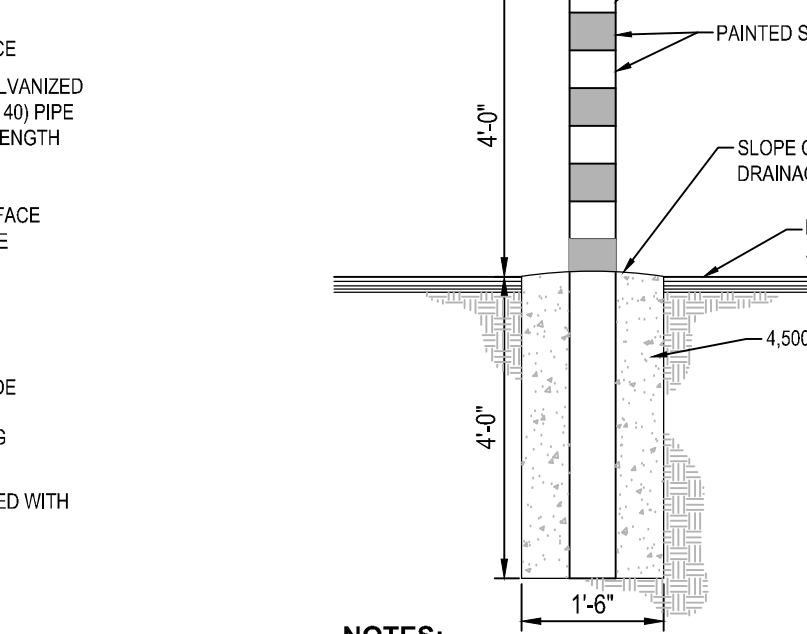
24 BOLLARD LIGHT DETAIL
SCALE: NOT TO SCALE



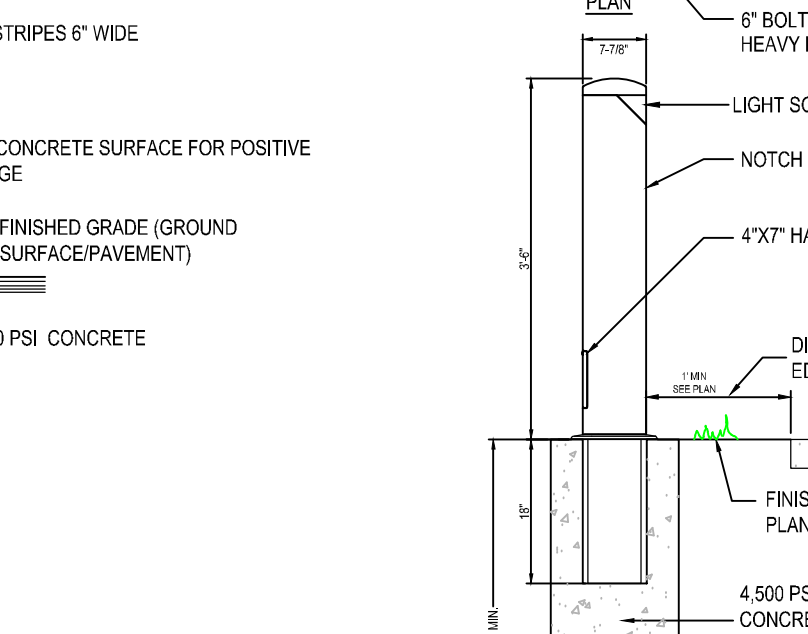
25 BOLLARD LIGHT DETAIL
SCALE: NOT TO SCALE



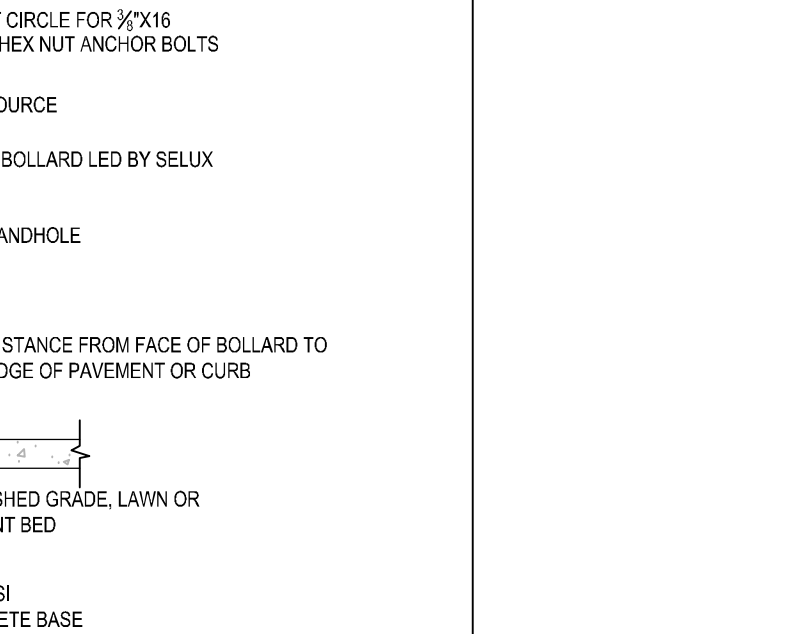
13 PAVEMENT MARKING DETAIL DIRECTIONAL ARROW
SCALE: NOT TO SCALE



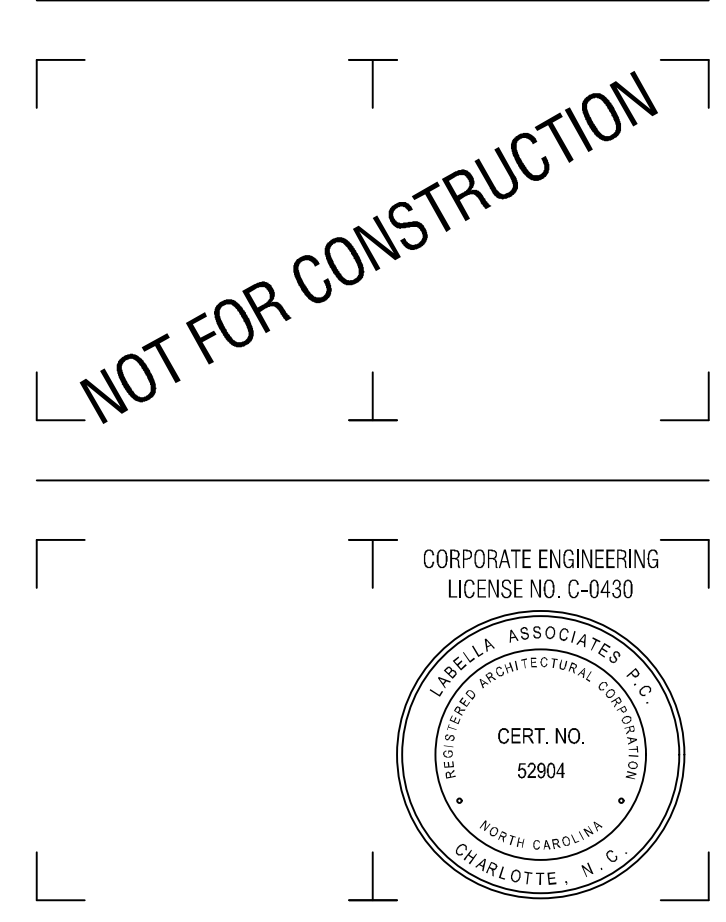
14 STOP BAR DETAIL
SCALE: NOT TO SCALE



15 PRECAST CONCRETE WHEEL STOP
SCALE: NOT TO SCALE

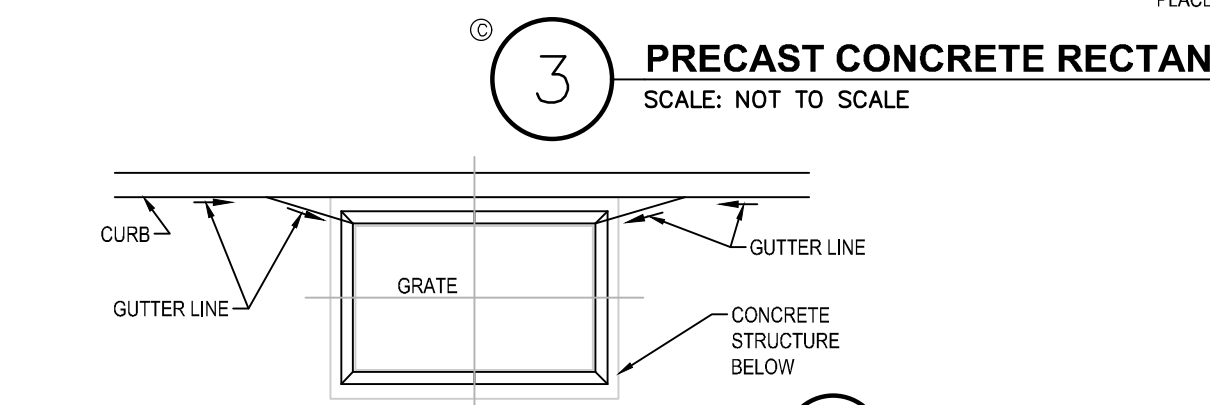
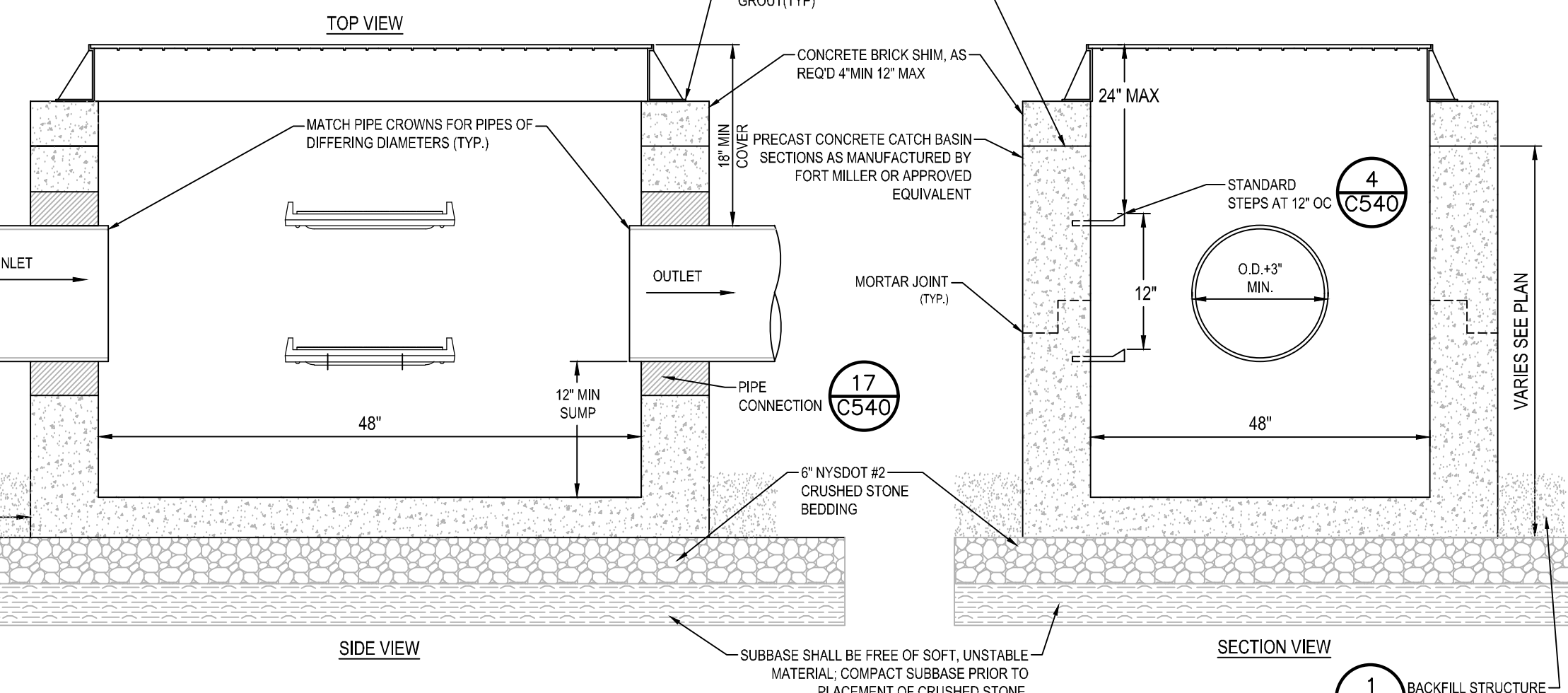
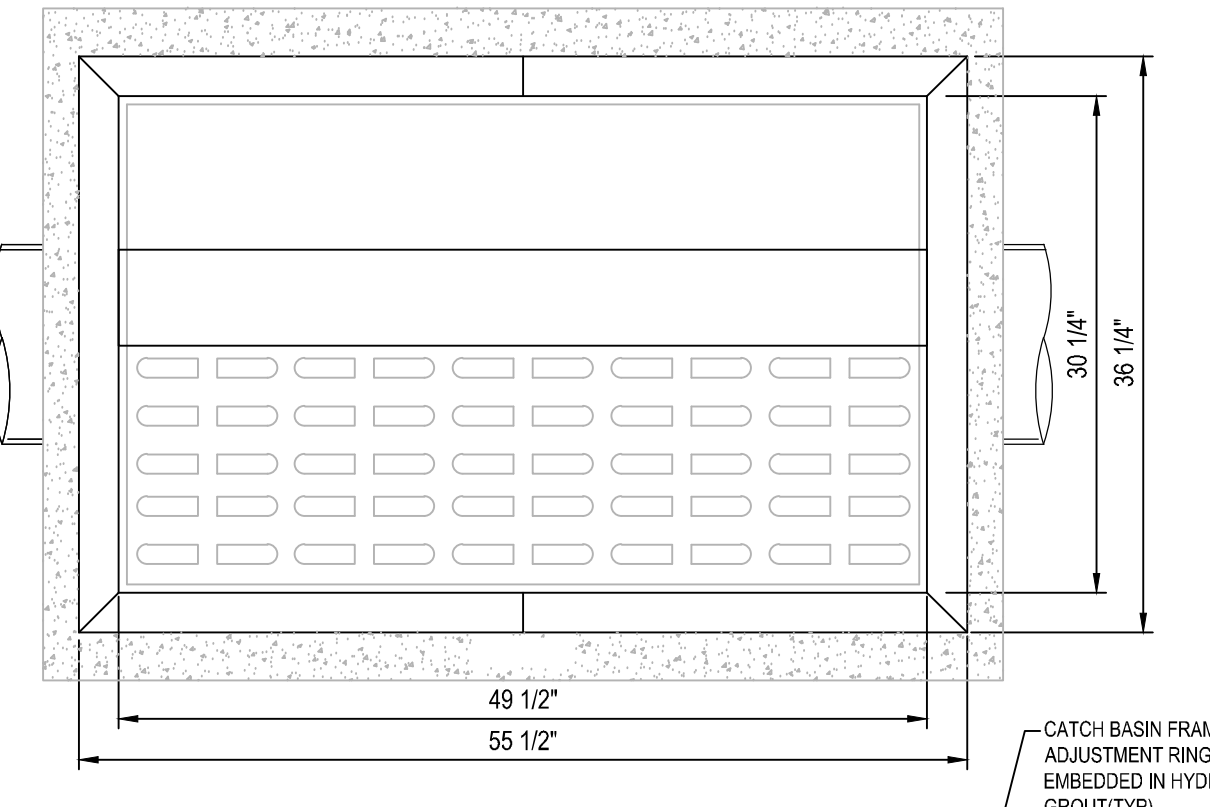
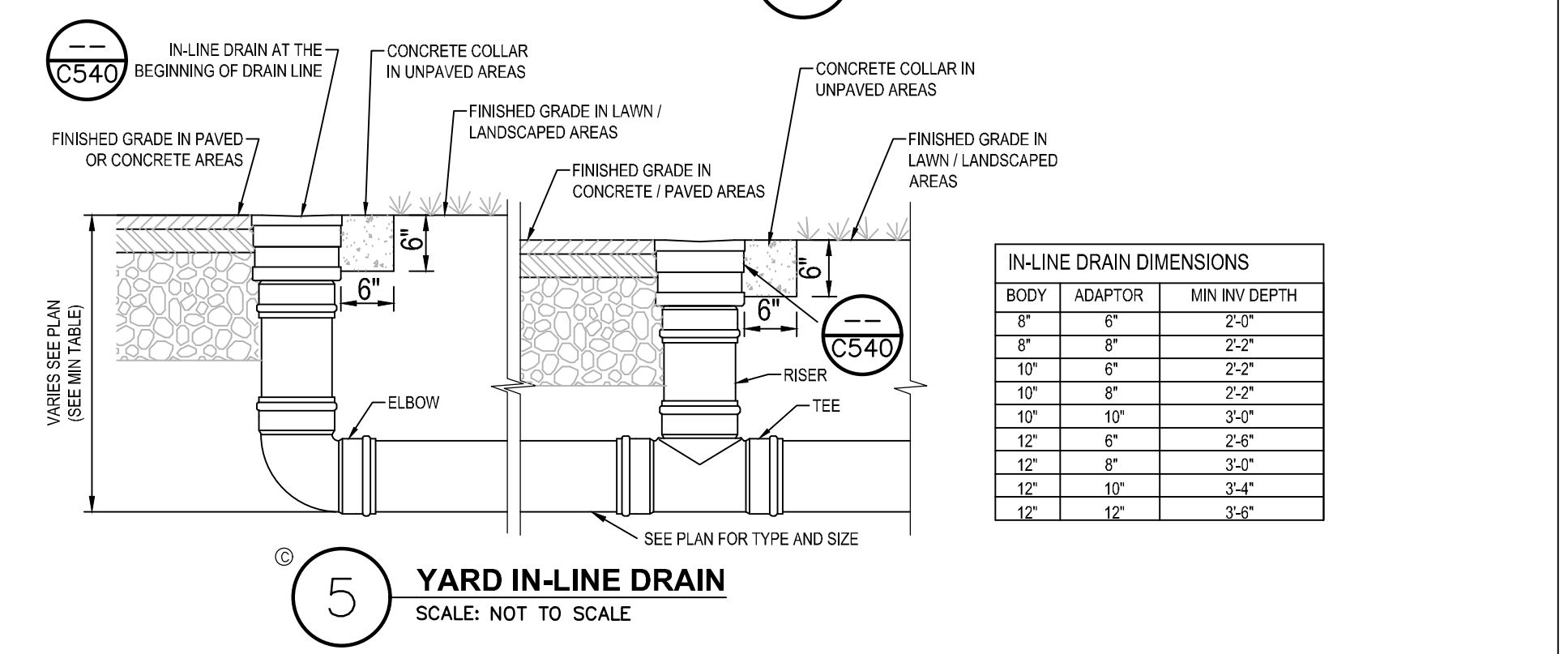
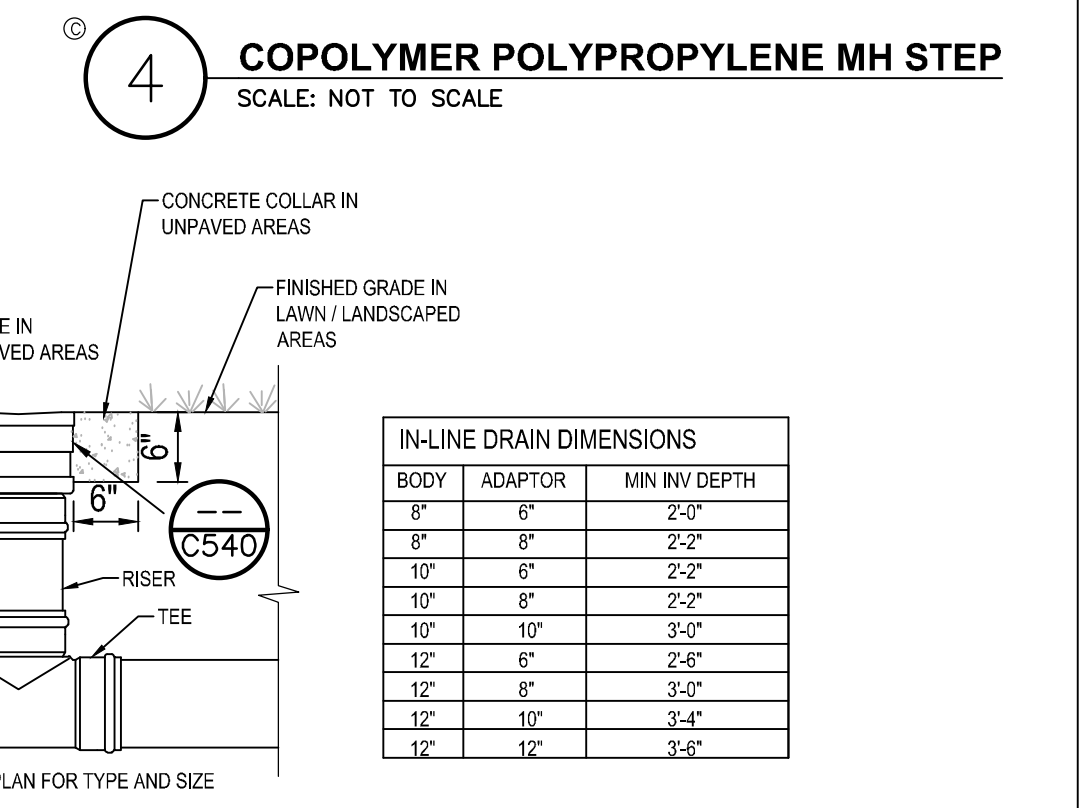
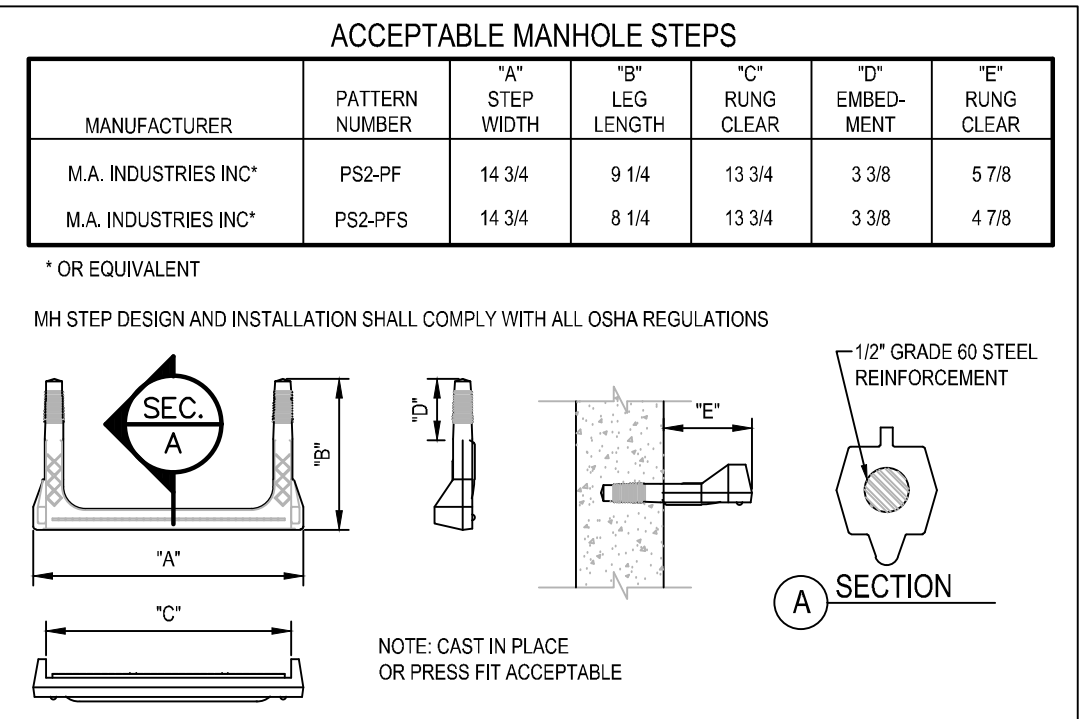


16 STOP SIGN DETAIL
SCALE: NOT TO SCALE



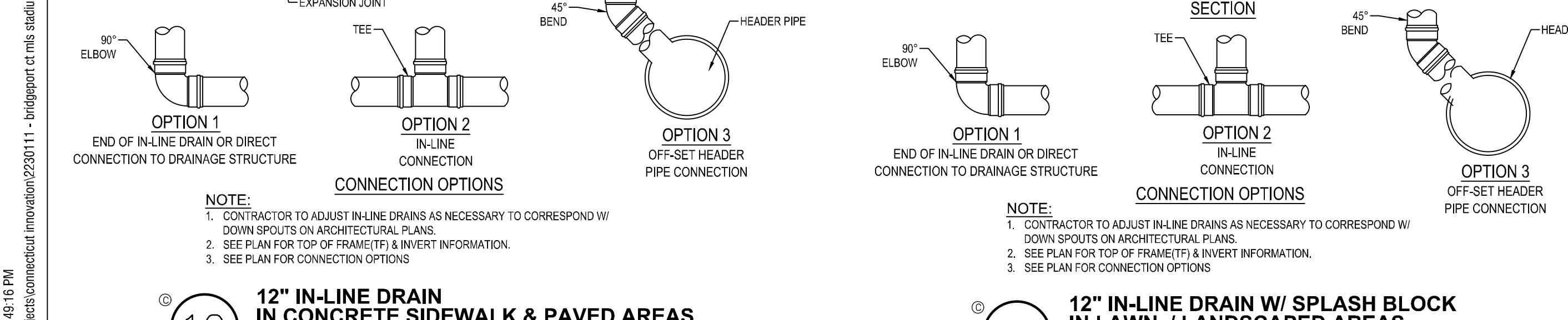
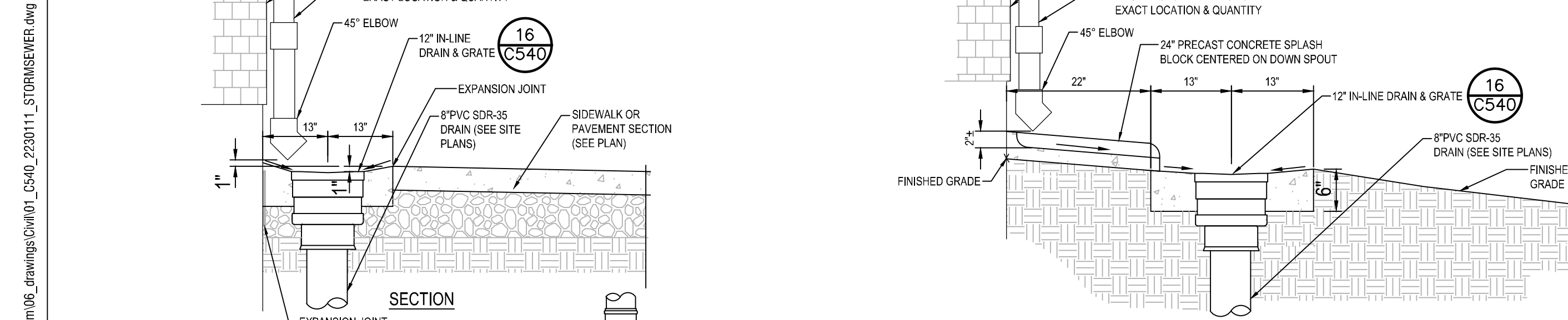
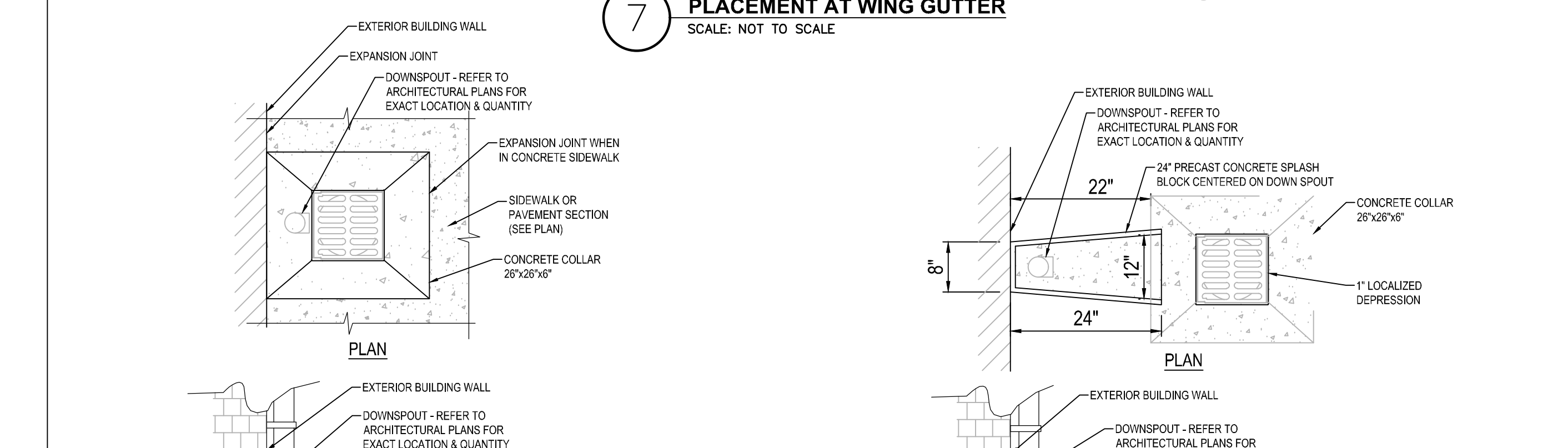
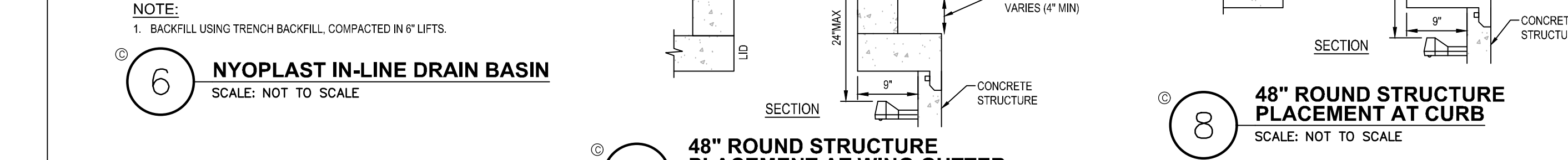
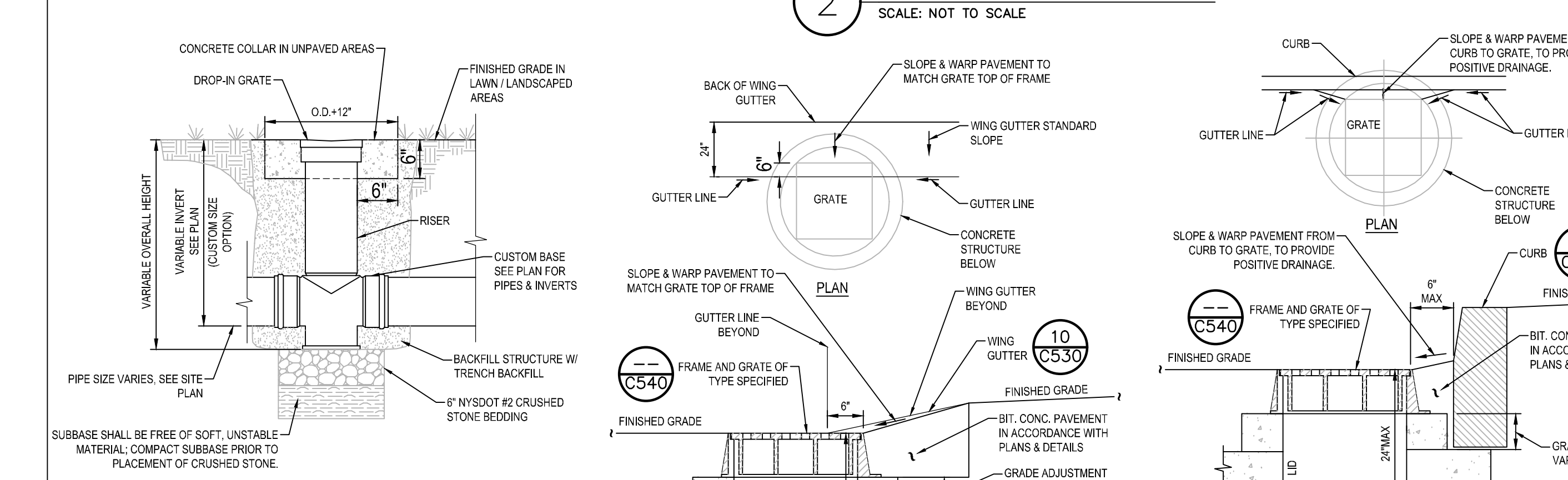
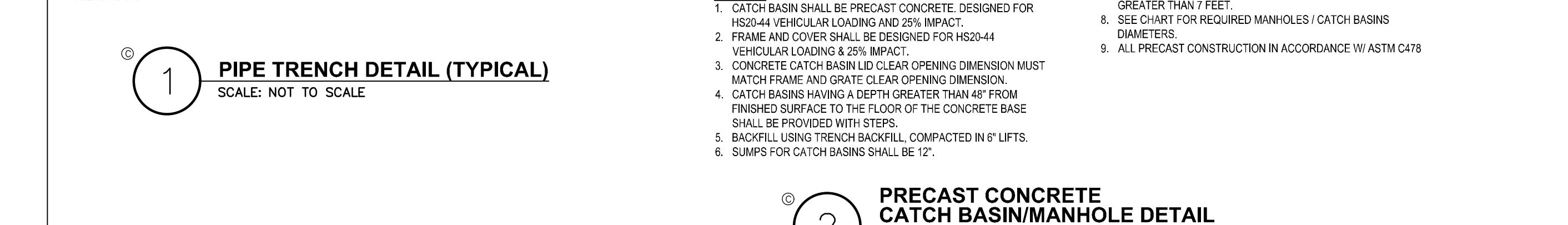
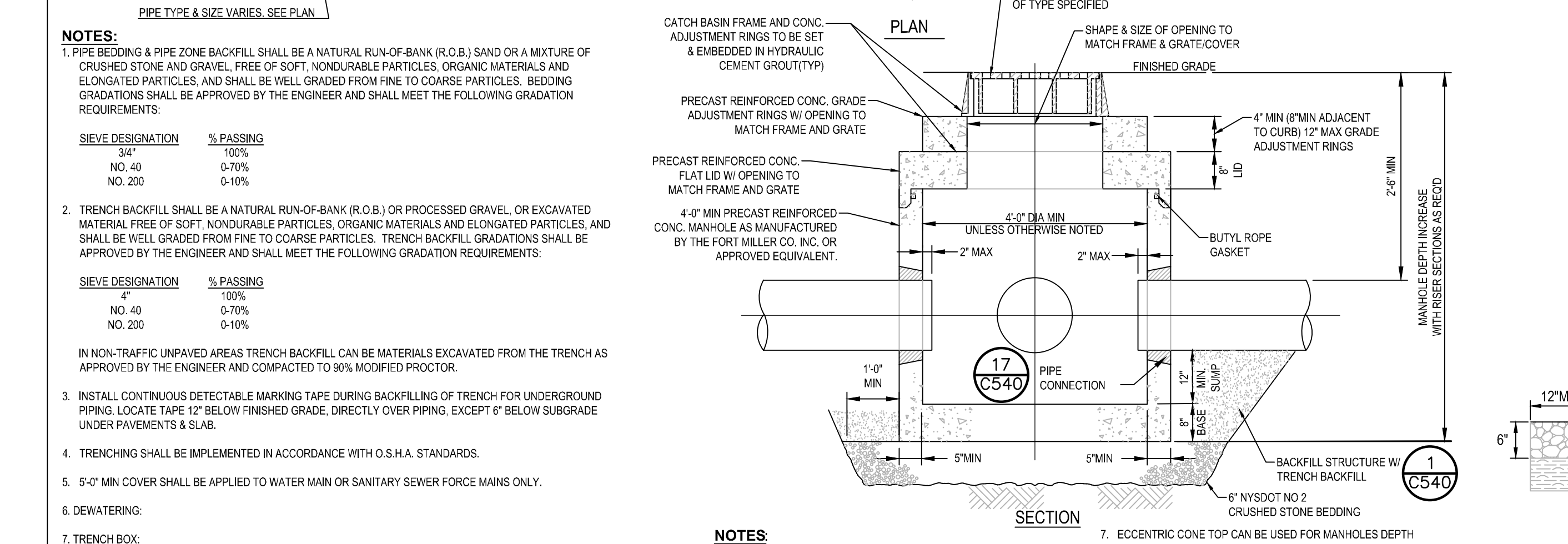
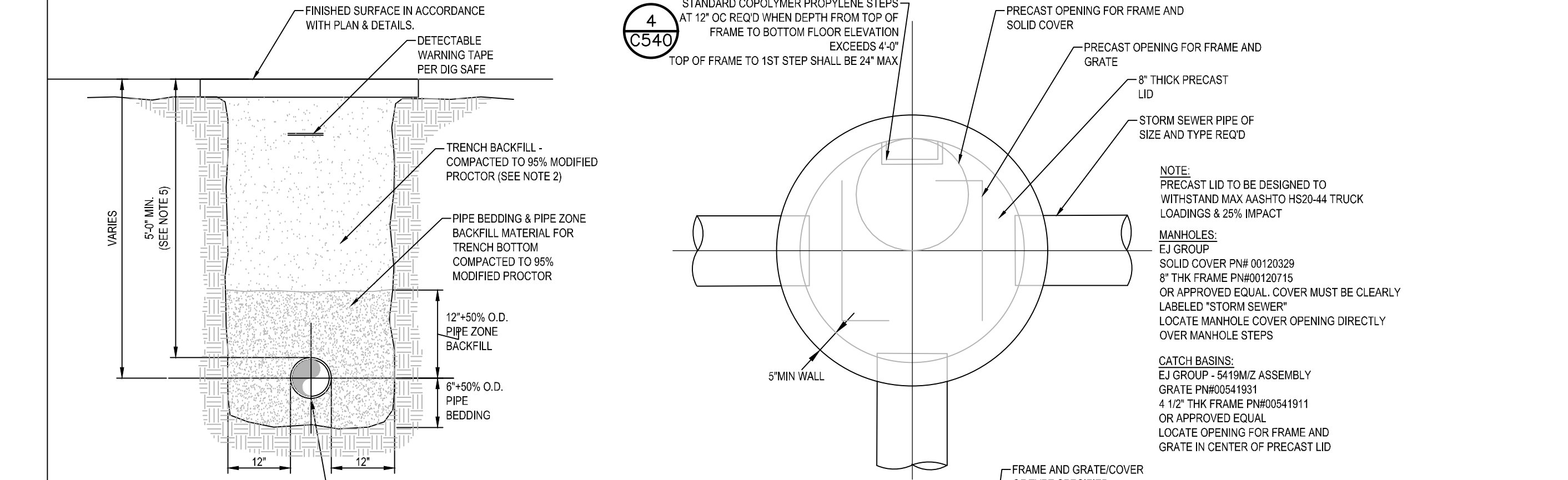
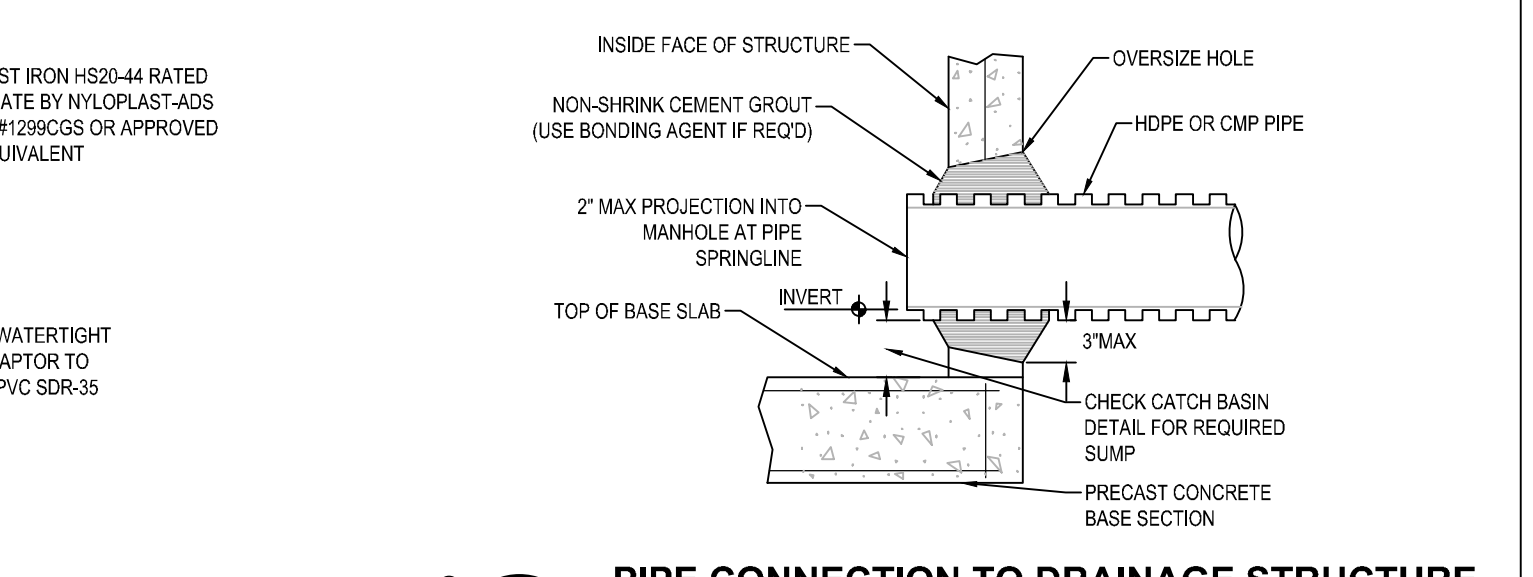
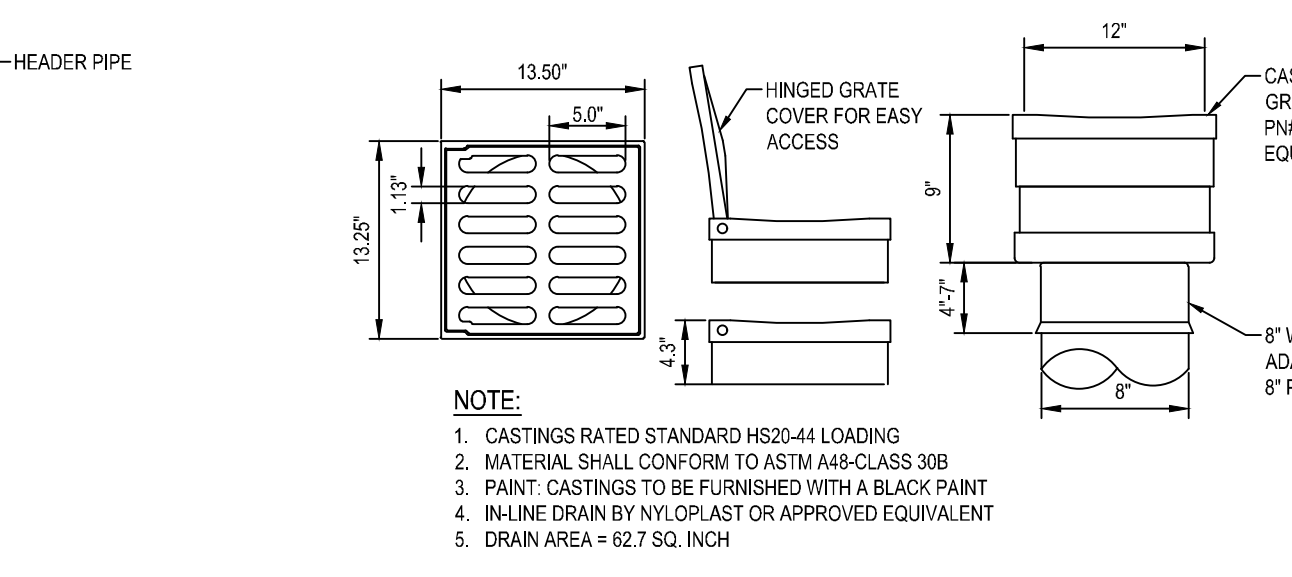
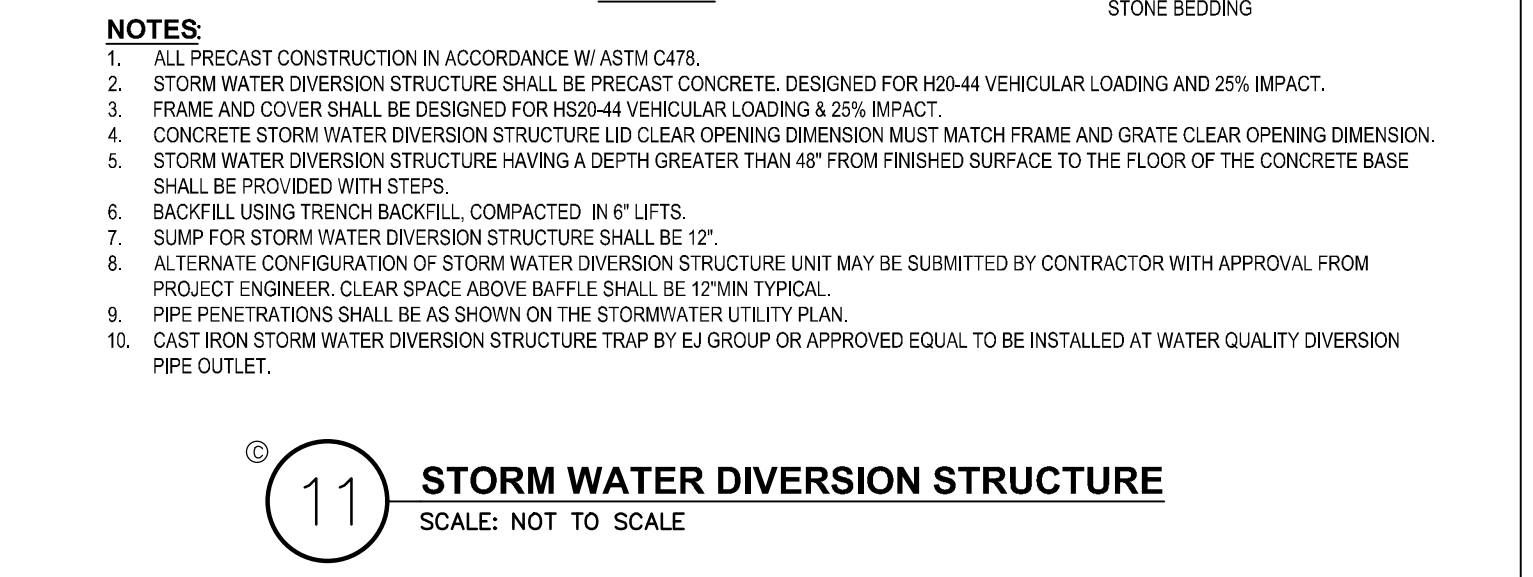
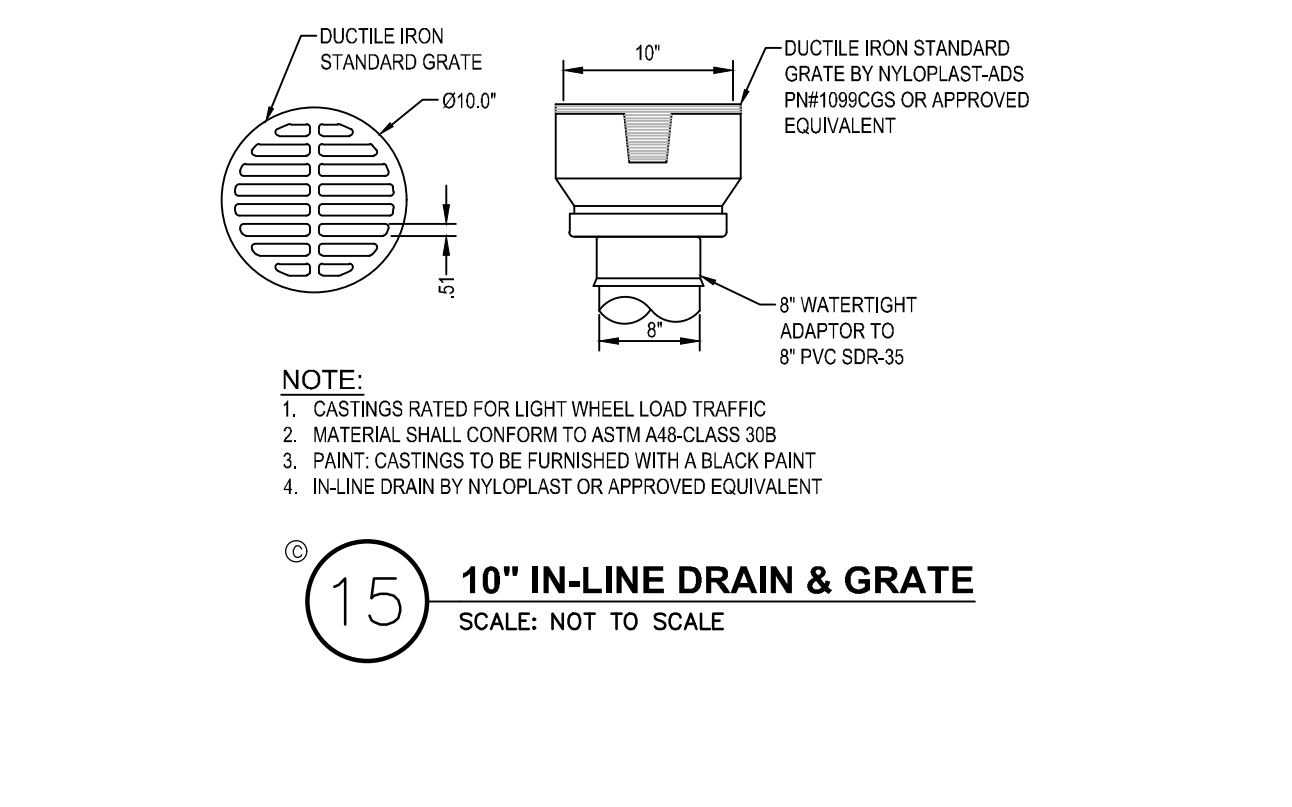
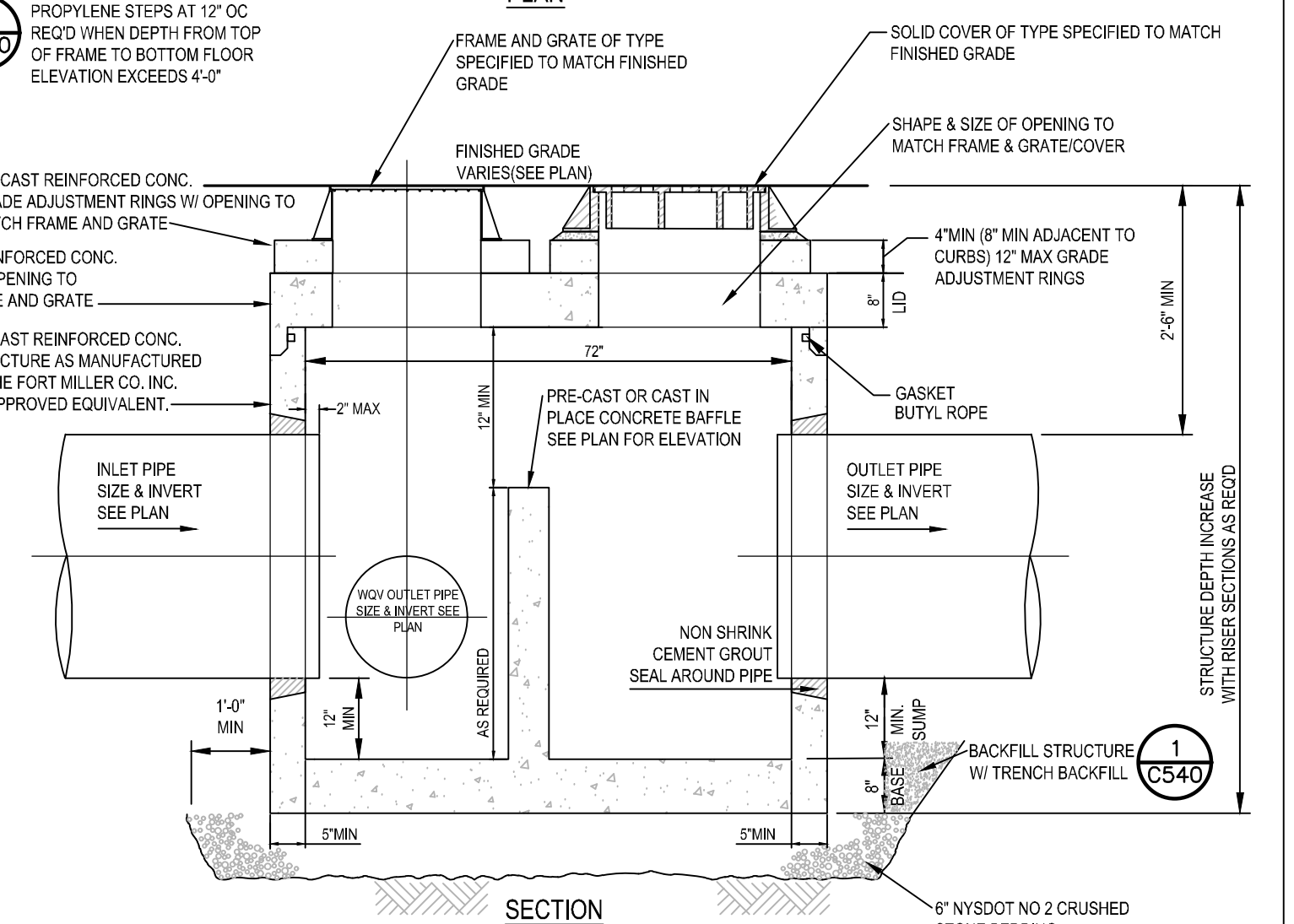
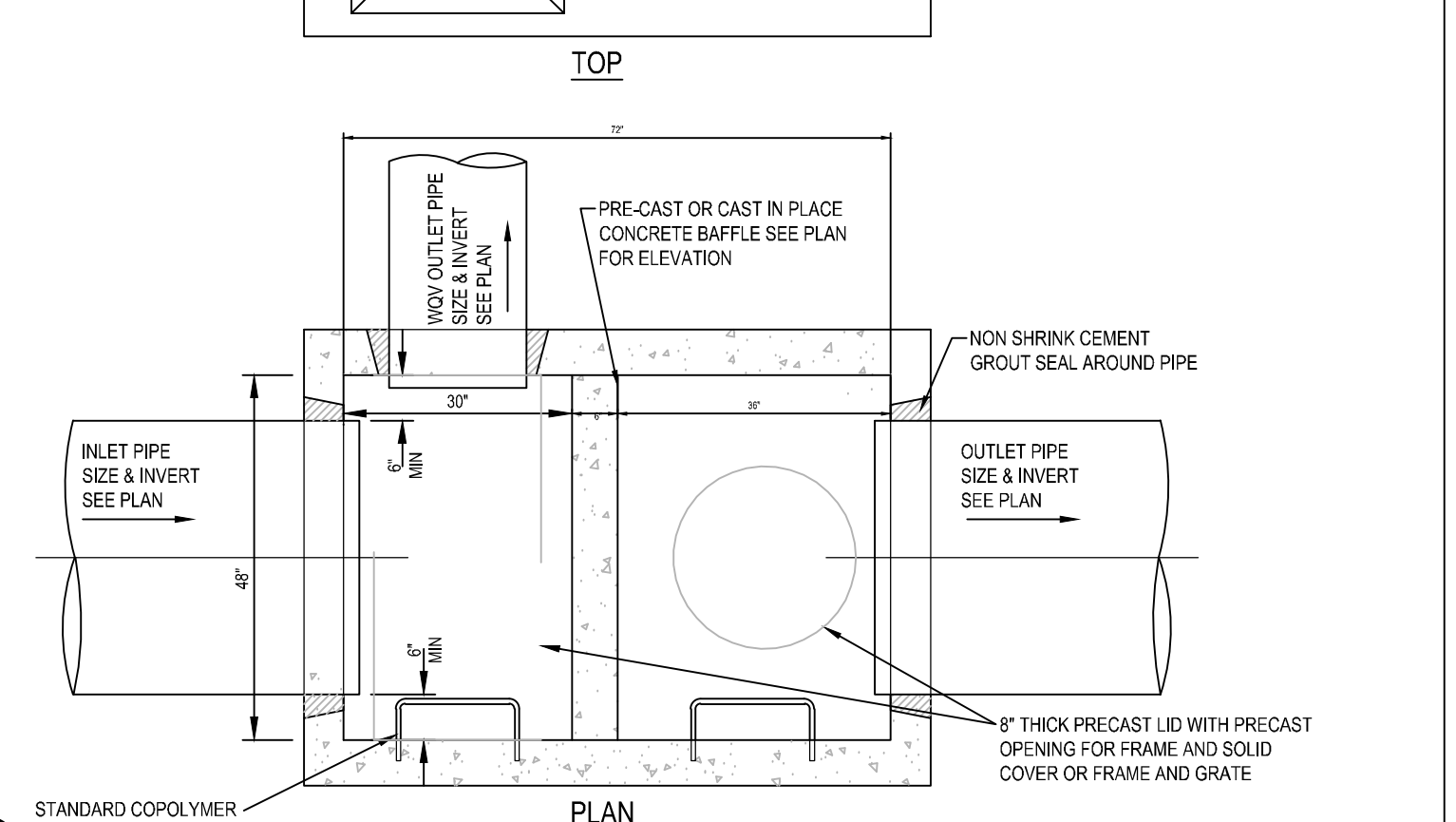
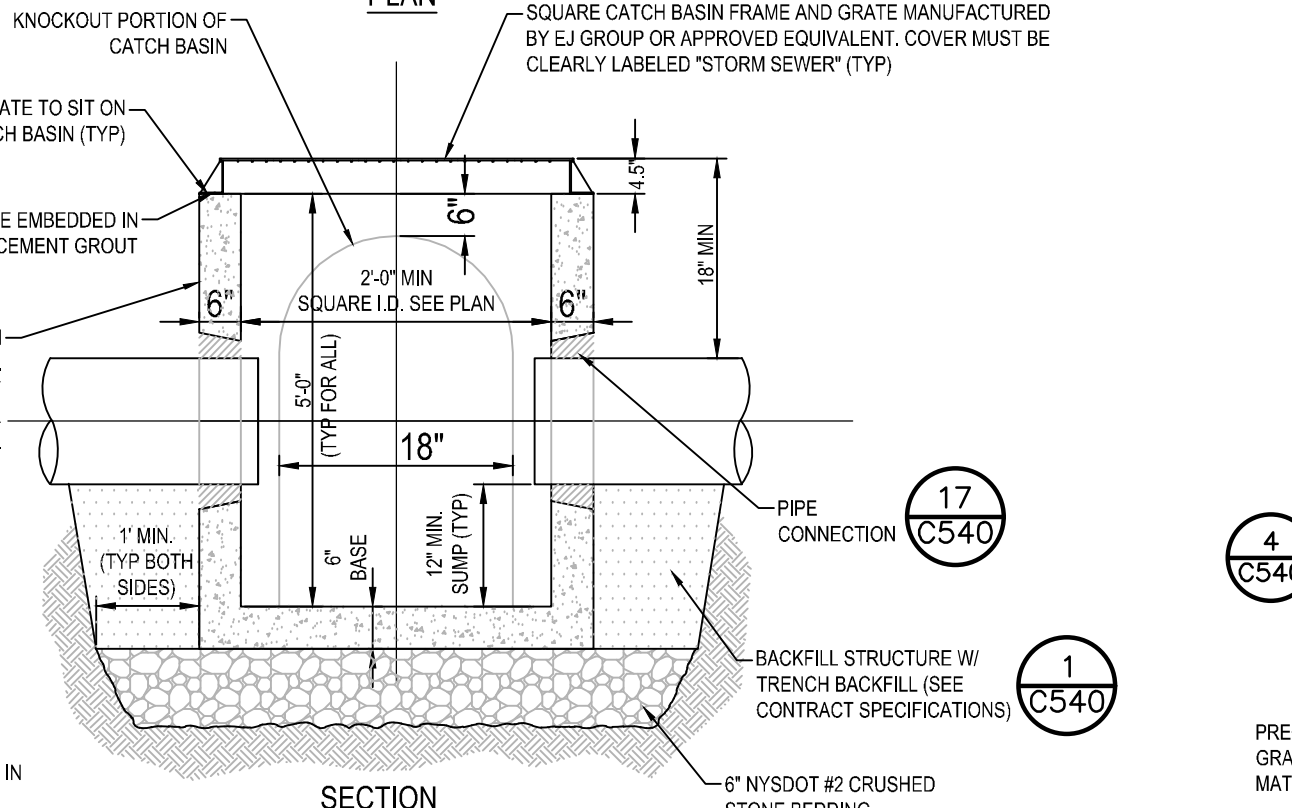
NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2230111
DRAWN BY:		GA
REVIEWED BY:		JRS
ISSUED FOR:		ISSUED FOR
DATE:		04/08/2024
DRAWING NAME:		

STORM SEWER NOTES:
1. ALL STORM WATER MANAGEMENT STRUCTURES (I.E. CATCH BASIN, ETC.) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. CATCH BASINS SHALL BE CLEANED WHEN SEDIMENT DEPTH REACHES A MAXIMUM OF 1/2 THE AVAILABLE SLUMP DEPTH.
2. IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DRAINAGE PIT (A.K.A. SUMP PIT) TO TRAP AND FILTER WATER FOR PUMPING TO A SUITABLE DISCHARGE AREA. THE DRAINAGE PIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, LATEST EDITION.
3. ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE AS OUTLINED ON THE EROSION AND SEDIMENT CONTROL PLANS, DETAILS AND NOTES.

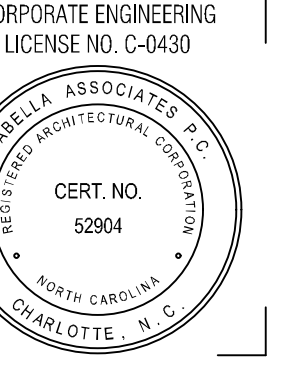


NY FRAME & GRATE PART NUMBER ACCESSIBLE GRATE OPTION

24"x24"	V-5824	V-5824-80
30"x30"	V-5830	V-5830-80
30"x36"	V-5836	V-5836-80
36"x36"	V-5836	V-5836-80
36"x48"	V-5870	V-5870-80



NOT FOR CONSTRUCTION



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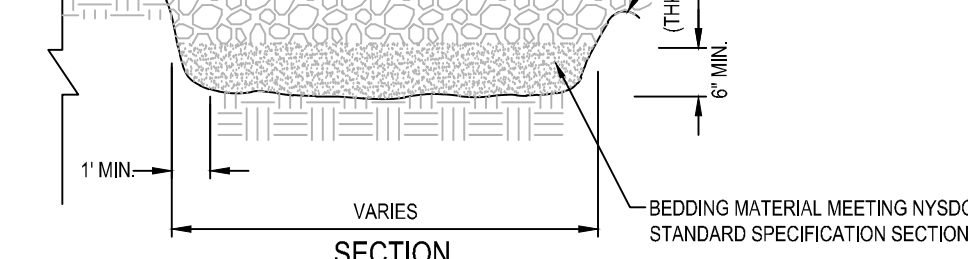
**CONNECTICUT
SPORTS GROUP**
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902

STONE APRON SIZING REQUIREMENT - TABLE "A"

CULVERT DIA. (D)	CULVERT SLOPE, %	NYSDOT STANDARD STONE FILLING APRON MATERIAL	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET APRON LENGTH (FEET)
12"	< 8	LIGHT	6"	9'
18"	8-10	MEDIUM	6"	14'-18"
24"	< 4	LIGHT	6"	9'
24"	4-6	MEDIUM	6"	14'-18"
24"	6-8	HEAVY	6"	18'-24"
24"	8-10	HEAVY	6"	22'-27"
30"	< 3	LIGHT	6"	9'
30"	3-4	MEDIUM	6"	14'-18"
30"	4-6	HEAVY	6"	18'-24"
30"	6-8	HEAVY	6"	22'-27"
36"	< 2	MEDIUM	6"	14'-18"
36"	2-3	HEAVY	6"	18'-24"
36"	3-6	HEAVY	6"	22'-27"
42"	< 1	MEDIUM	6"	14'-18"
42"	1-2	HEAVY	6"	18'-24"
42"	2-3	HEAVY	6"	22'-27"
48"	< 1	MEDIUM	6"	14'-18"
48"	1-2	HEAVY	6"	18'-24"
48"	2-3	HEAVY	6"	22'-27"

CONSTRUCTION SPECIFICATIONS:

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
- HARDWARE FABRIC OR 12" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
- USE NYSDOT #4 CRUSHED STONE FILLING PLACED 2 INCHES BELOW TOP OF THE BLOCK OR 4:1 SLOPE OR FLATTER.
- FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 1 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA IS 1 ACRE.
- MAXIMUM DRAINAGE AREA IS 1 ACRE.



END SECTION WITH STONE LINED APRON DETAIL
SCALE: NOT TO SCALE

CONSTRUCTION ENTRANCE SPECIFICATIONS:

- STONE SIZE - USE # 2 STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INCREASE OR DECREASE OCCURS. TWENTY FOUR (24) FEET IF SINGLE ENTRANCE TO SITE.
- LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
- GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 1:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANING OF ANY MEASURES DESIGNED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ACCESS DETAIL
SCALE: NOT TO SCALE

SILT FENCE INSTALLATION DETAIL
SCALE: NOT TO SCALE

PERMANENT GRASS LINED DIVERSION SWALE DETAIL
SCALE: NOT TO SCALE

SILT SACK DETAIL
SCALE: NOT TO SCALE

TEMPORARY SOIL STOCKPILE DETAIL
SCALE: NOT TO SCALE

STONE CHECK DAM DETAIL
SCALE: NOT TO SCALE

TEMPORARY SOIL STOCKPILE DETAIL
SCALE: NOT TO SCALE

TEMPORARY GRASS LINED DIVERSION SWALE DETAIL
SCALE: NOT TO SCALE

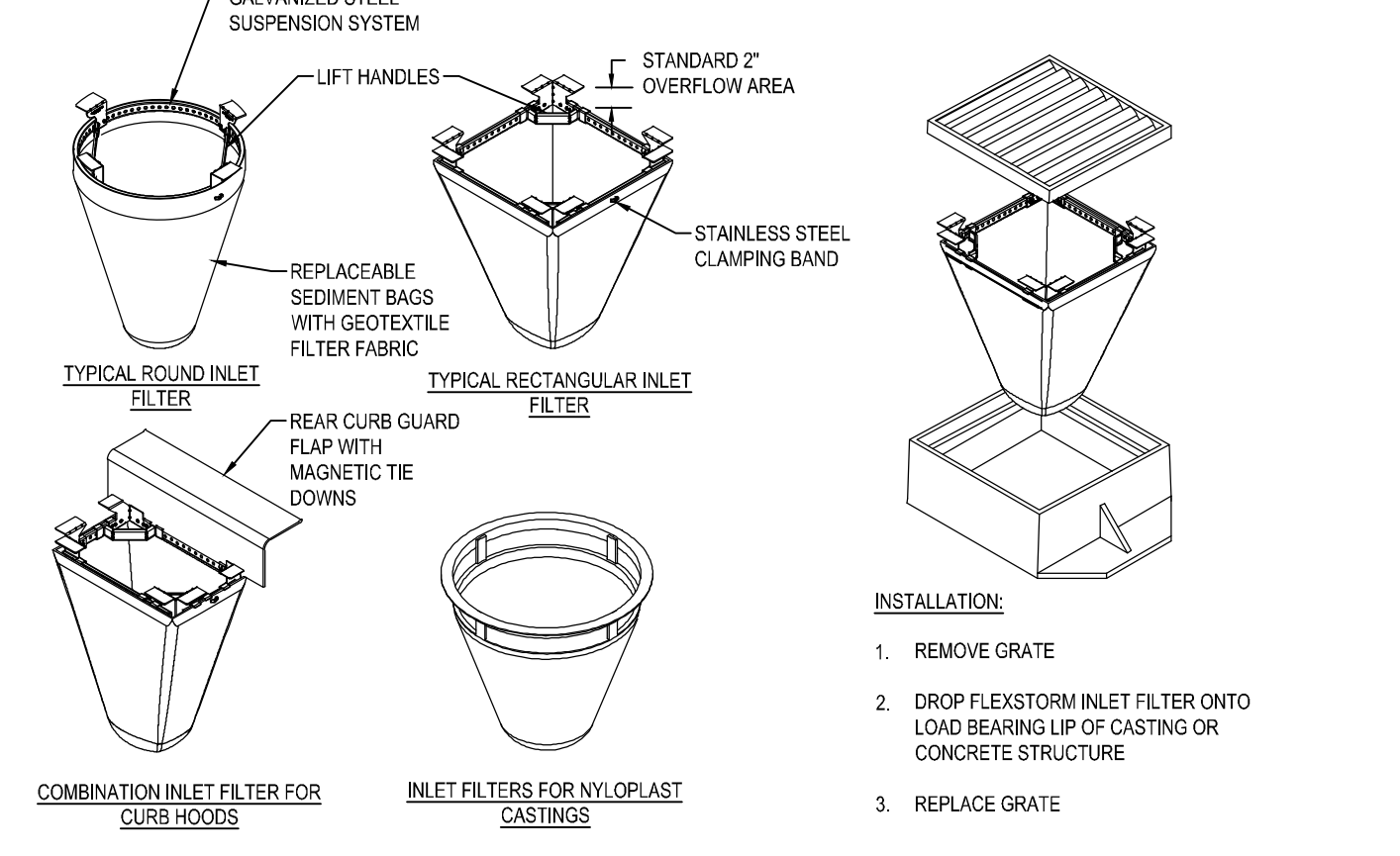
TEMPORARY GRASS LINED DIVERSION SWALE DETAIL
SCALE: NOT TO SCALE

TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL
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TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL
SCALE: NOT TO SCALE

TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL
SCALE: NOT TO SCALE

TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL
SCALE: NOT TO SCALE



FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION
SCALE: NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

- STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
- SET SPACING OF CHECK DAMS IN ACCORDANCE WITH THE FOLLOWING:
CHECK DAM SPACING REQUIREMENT: 2' PER 1% SLOPE (MINIMUM)
1/2" HIGH CHECK DAM: (SPACING = $\frac{100}{\text{SLOPE}}$)

SLOPE	SPACING	SLOPE	SPACING
0.5%	200'	6%	17'
1%	175'	7%	15'
2%	87'	8%	13'
3%	56'	9%	12'
4%	44'	10%	10'
5%	35'		

CONTRACTOR TO ADJUST SPACING ACCORDINGLY BASED ON ACTUAL DEPTH & SLOPE OF DITCH.
EXTENDING THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANS TO PREVENT CUTTING AROUND THE DAM.
ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE AS APPROPRIATE.

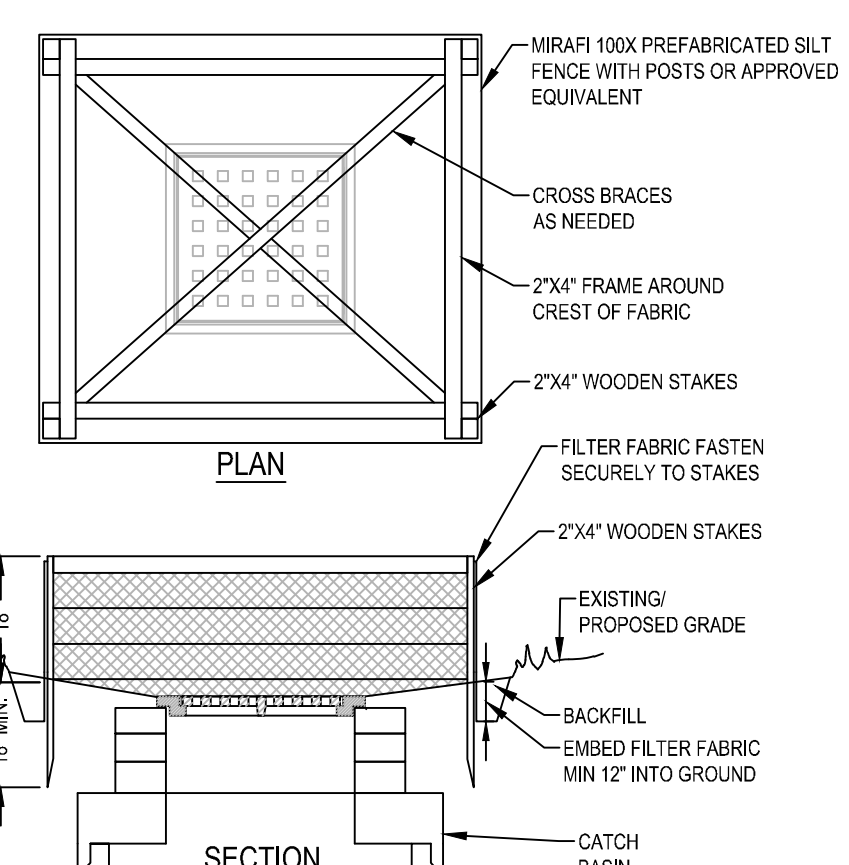
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TEMPORARY SOIL STOCKPILE DETAIL
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TEMPORARY SOIL STOCKPILE DETAIL
SCALE: NOT TO SCALE



TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL
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TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL
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SWALE ID #	D (FT)	LS (FT)	RS (FT)	BW (FT)	NYSDOT REFERENCE
2	X	X	X	X	X

STONE LINED CHANNEL DETAIL
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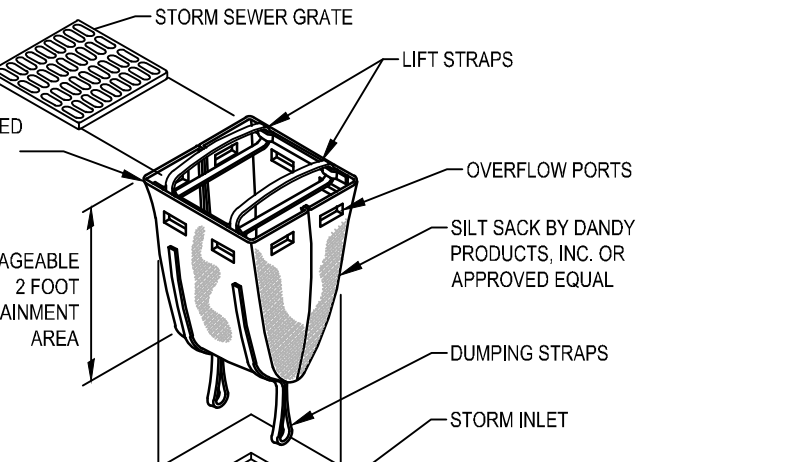
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STONE LINED CHANNEL DETAIL
SCALE: NOT TO SCALE



CONCRETE WASHOUT AREA DETAIL
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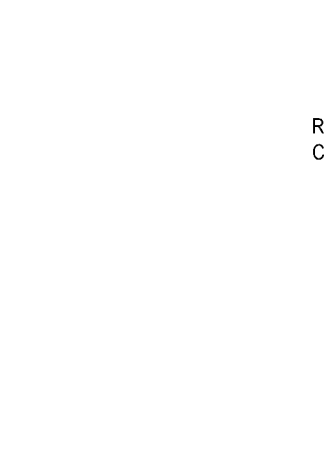
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CONCRETE WASHOUT AREA DETAIL
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CATCH BASIN GRATE INLET FILTER DETAIL
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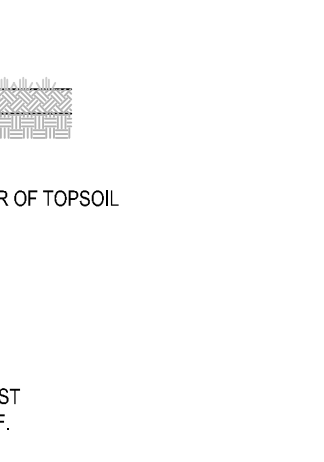
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TEMPORARY ORANGE CONSTRUCTION FENCE DETAIL
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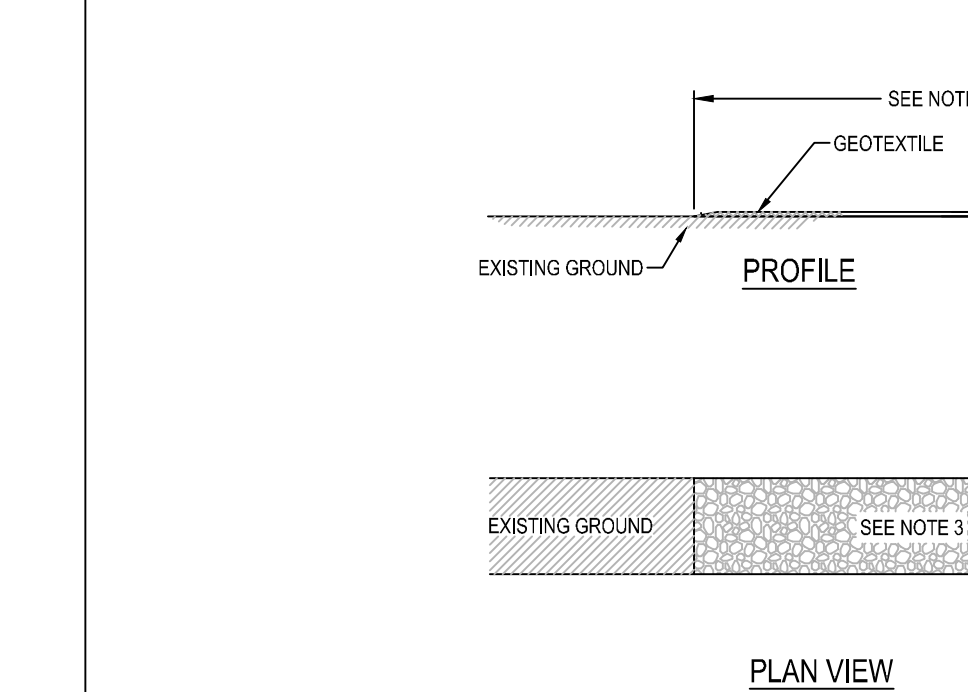
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STONE CHECK DAM DETAIL
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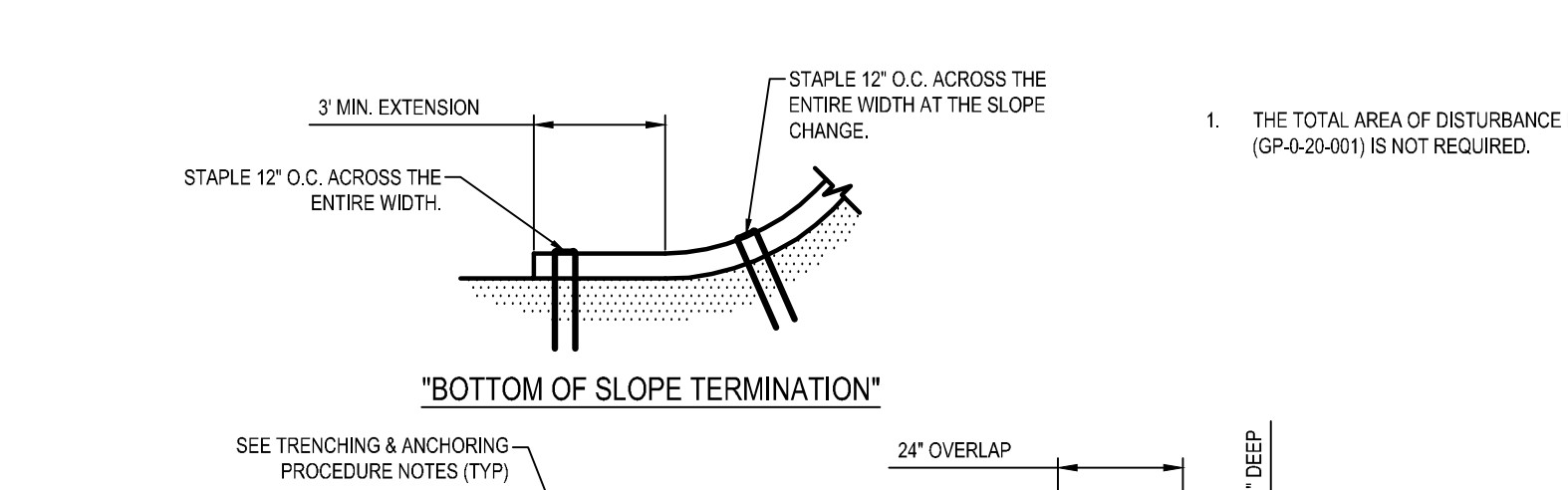
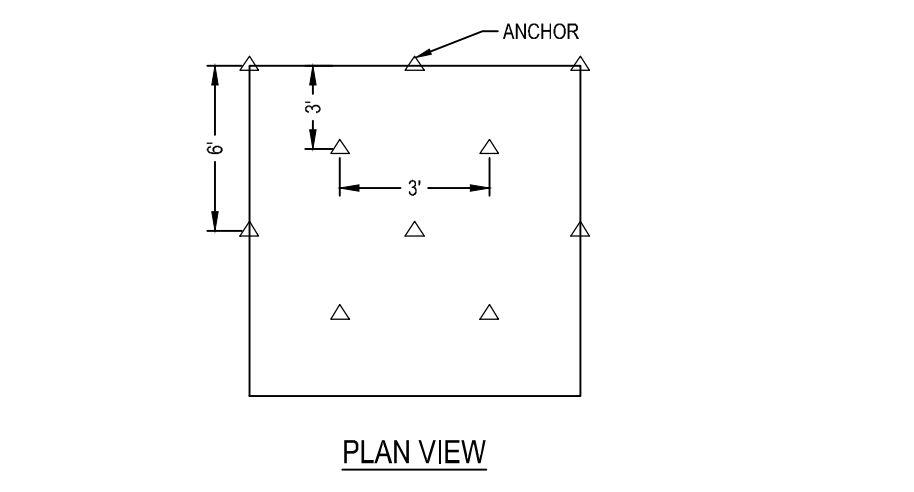
EROSION & SEDIMENT CONTROL DETAILS 1

DRAWING NUMBER:

C550

NO.	DATE	DESCRIPTION
Revisions		

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REVIEWED BY: JMS
ISSUED FOR: ISSUED FOR
DATE: 04/08/2024
DRAWING NAME:

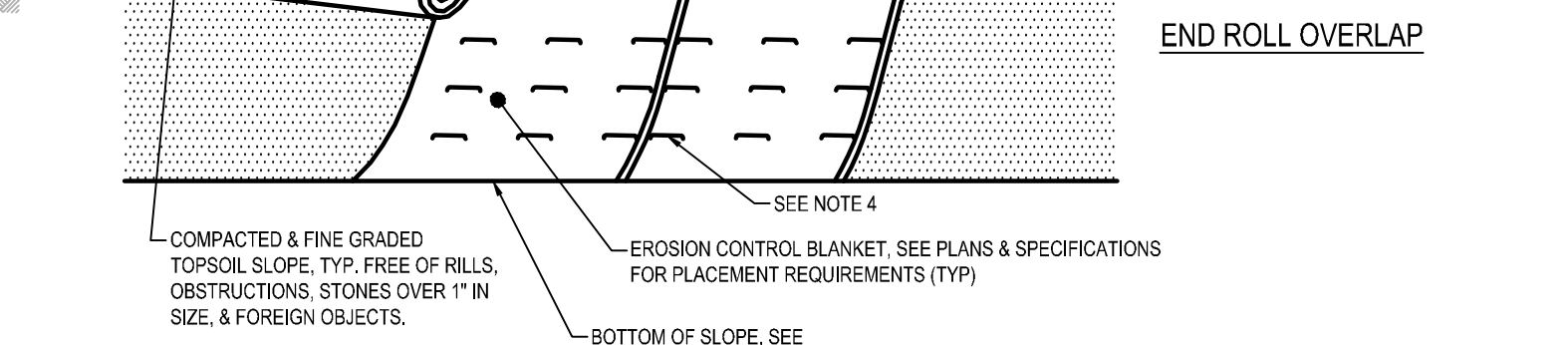
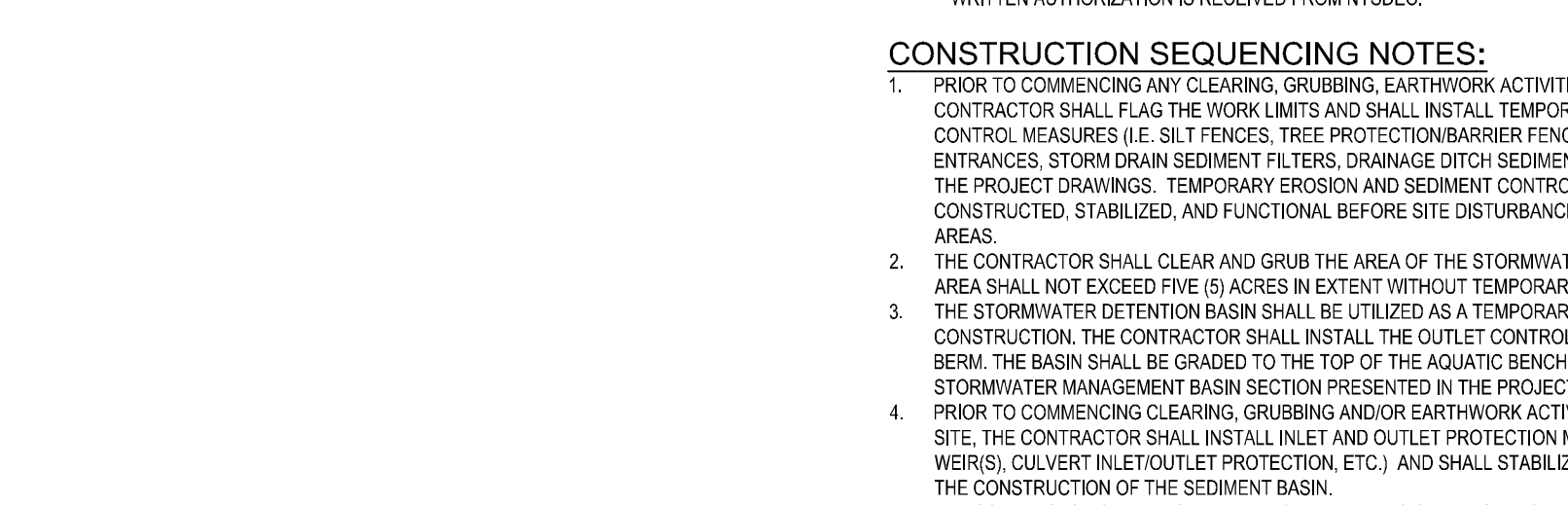
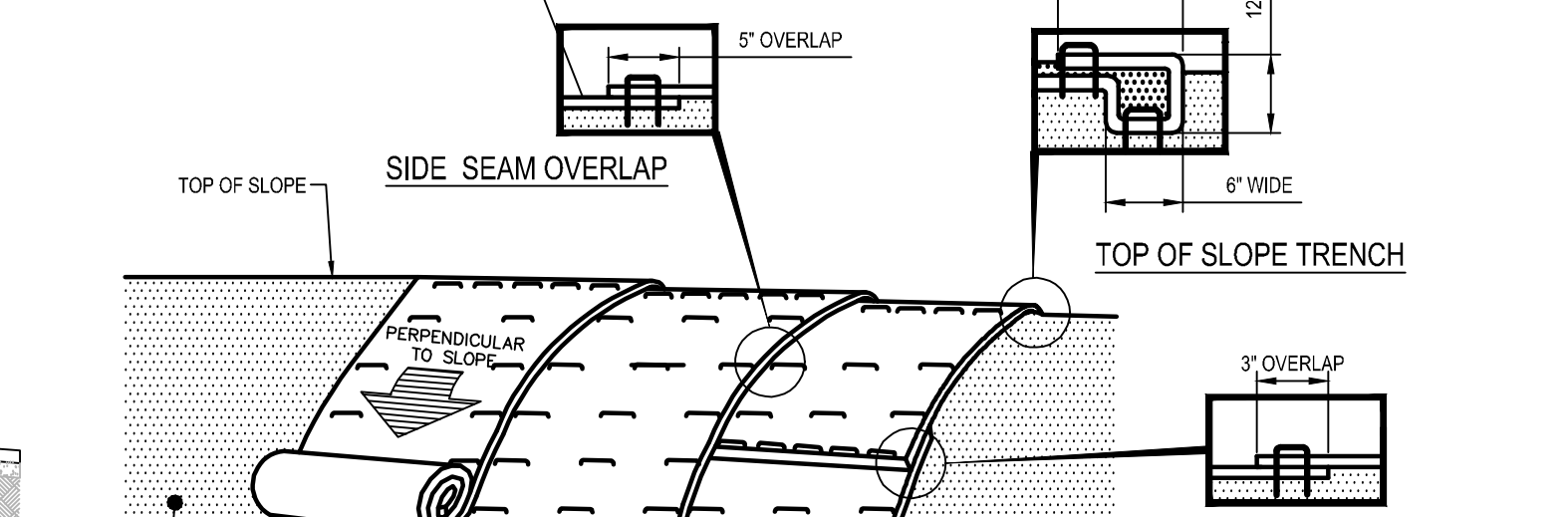
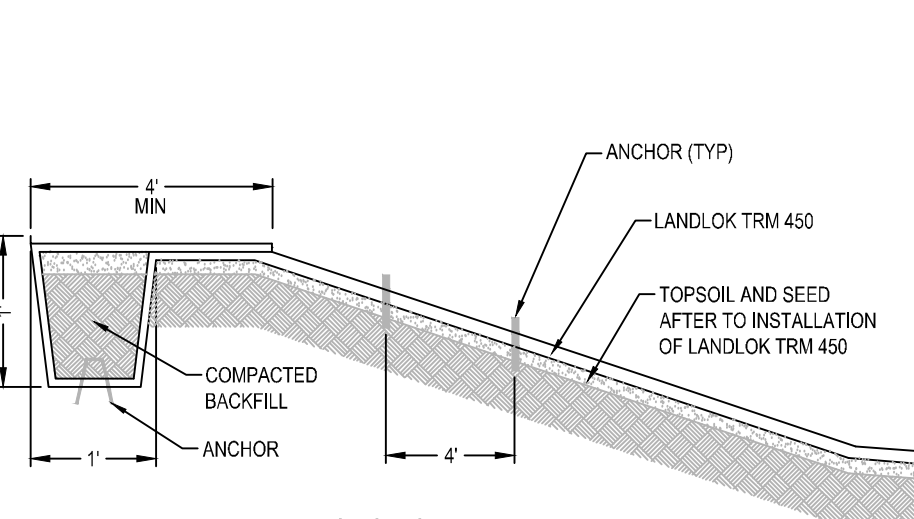


LANDLOK TRM 450 TURF REINFORCEMENT MAT DETAIL
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1. INSTALL LANDLOK TRM 450 TURF REINFORCEMENT PER MANUFACTURER'S RECOMMENDATIONS.

2. GRADE AND COMPACT AREA OF INSTALLATION, REMOVING ALL ROCKS, VEGETATION, ETC.

3. EXTEND TRM 3\"/>



1. INSTALL LANDLOK TRM 450 TURF REINFORCEMENT PER MANUFACTURER'S RECOMMENDATIONS.
2. GRADE AND COMPACT AREA OF INSTALLATION, REMOVING ALL ROCKS, VEGETATION, ETC.
3. EXTEND TRM 3\"/>

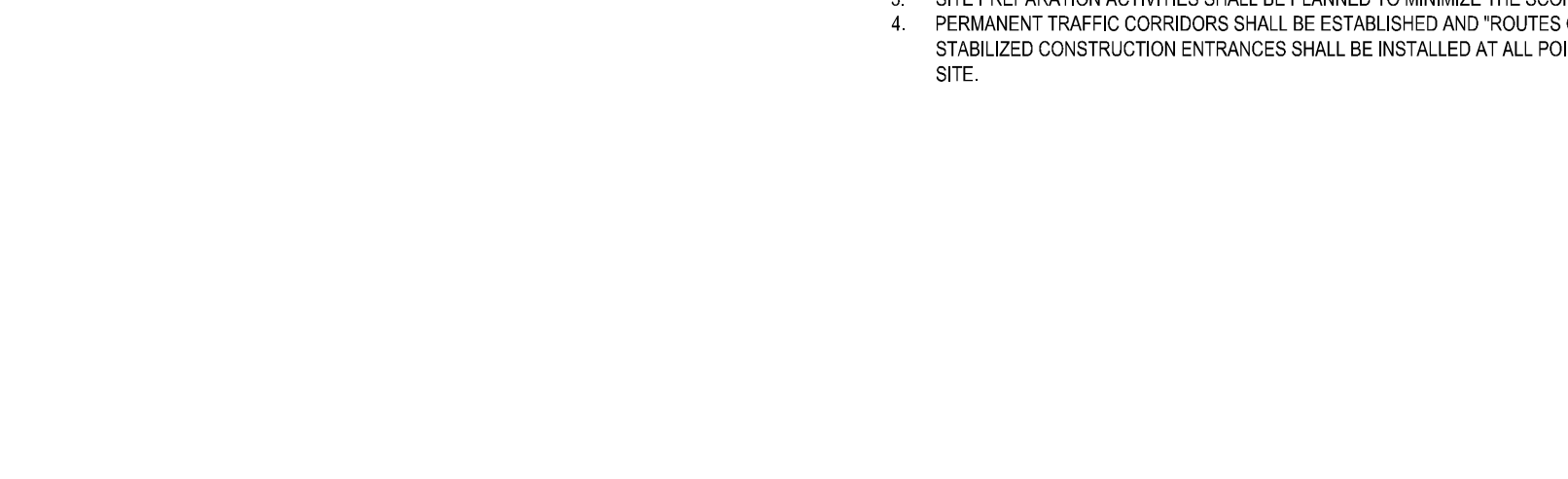
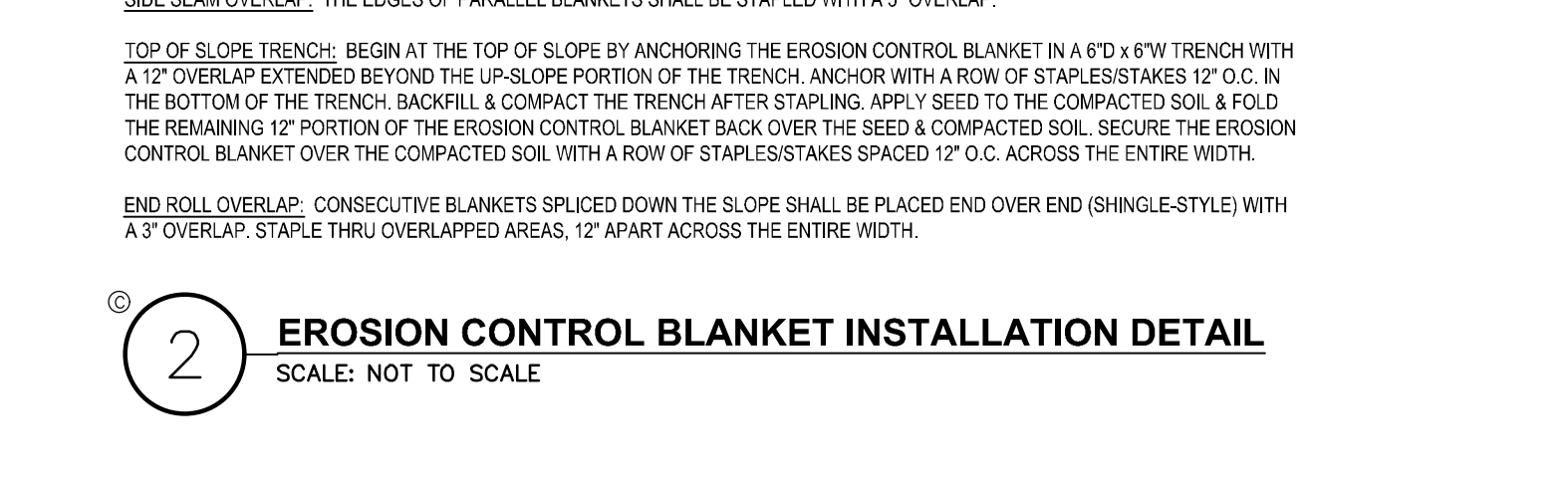
1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS, SECURE ALL PRODUCT OVERLAPS, OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.

1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (E. SILT FENCES, TREE PROTECTION/ROCKBARRIERS, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.

3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE IN LOOSE SOIL CONDITIONS. THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6\"/>

5. THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (SPRINKLER OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.

1 LANDLOK TRM 450 TURF REINFORCEMENT MAT DETAIL
SCALE: NOT TO SCALE



1. INSTALL LANDLOK TRM 450 TURF REINFORCEMENT PER MANUFACTURER'S RECOMMENDATIONS.
2. GRADE AND COMPACT AREA OF INSTALLATION, REMOVING ALL ROCKS, VEGETATION, ETC.

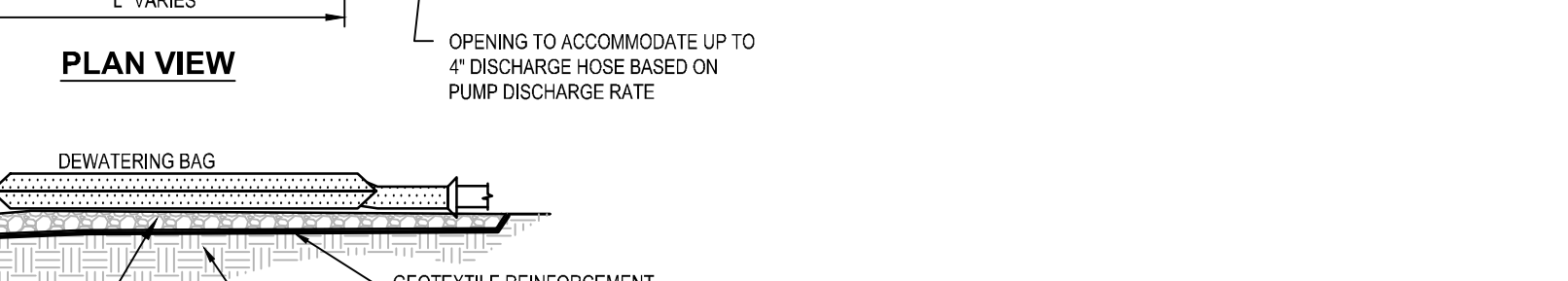
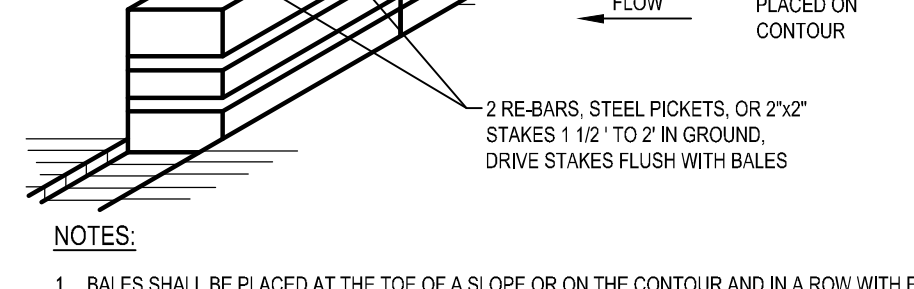
1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS, SECURE ALL PRODUCT OVERLAPS, OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.

1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (E. SILT FENCES, TREE PROTECTION/ROCKBARRIERS, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.

3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE IN LOOSE SOIL CONDITIONS.

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5. THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (SPRINKLER OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.



1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 6\"/>

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SPDES GENERAL PERMIT GP-0-20-001 COMPLIANCE NOTES:

THIS PLAN SET AND THE ACCOMPANYING SWPPP ENTITLED "NAME" HAVE BEEN SUBMITTED AS A SET. THESE ENGINEERING DRAWINGS ARE CONSIDERED AN INTEGRAL PART OF THE SWPPP. THEREFORE, THE PLAN SET IS NOT CONSIDERED COMPLETE WITHOUT THE SWPPP.

1. IF THIS PROJECT HAS NOT RECEIVED WRITTEN APPROVAL FROM _____ (INSERT INVOICER OR MUNICIPALITY IF MS4) ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME, THEREFORE, IF THE CONTRACTOR'S CONSTRUCTION REQUIREMENTS REQUIRES THE DISTURBANCE OF MORE THAN FIVE ACRES AT ANY ONE TIME, WRITTEN APPROVAL MUST BE OBTAINED FROM NYDEC PRIOR TO EXCEEDING THE 5 ACRE LIMIT.
2. THIS PROJECT HAS REQUESTED WRITTEN APPROVAL FROM _____ (INSERT INVOICER OR MUNICIPALITY IF MS4) ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. THE CONTRACTOR SHALL NOT DISTURB MORE THAN FIVE (5) ACRES UNTIL SUCH TIME THAT THE WORKER IS GRANTED AND WRITTEN AUTHORIZATION IS RECEIVED FROM NYDEC.

CONSTRUCTION SEQUENCING NOTES:

1. PRIOR TO COMMENCING ANY CLEARING, GRUBBING, EARTHWORK ACTIVITIES, ETC. AT THE SITE, THE CONTRACTOR SHALL FLAG THE WORK LIMITS AND SHALL INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (E. SILT FENCES, TREE PROTECTION/ROCKBARRIERS, STABILIZED CONSTRUCTION ENTRANCES, STORM DRAIN SEDIMENT FILTERS, DRAINAGE DITCH SEDIMENT FILTERS, ETC.) INDICATED ON THE PROJECT DRAWINGS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
2. THE CONTRACTOR SHALL CLEAR AND GRUB THE AREA OF THE STORMWATER MANAGEMENT FACILITIES. THIS AREA SHALL NOT EXCEED FIVE (5) ACRES IN EXTENT WITHOUT TEMPORARY STABILIZATION.
3. THE STORMWATER DETENTION BASIN SHALL BE UTILIZED AS A TEMPORARY SEDIMENT TRAP DURING CONSTRUCTION. THE CONTRACTOR SHALL INSTALL THE OUTLET CONTROL STRUCTURES AND THE EARTHEN BERM. THE BASIN SHALL BE GRADED TO THE TOP OF THE AQUATIC BENCH AS INDICATED IN THE TYPICAL STORMWATER MANAGEMENT BASIN SECTION PRESENTED IN THE PROJECT DRAWINGS.
4. PRIOR TO COMMENCING CLEARING, GRUBBING AND/OR EARTHWORK ACTIVITIES IN ANY OTHER AREA OF THE SITE, THE CONTRACTOR SHALL INSTALL INLET AND OUTLET PROTECTION MEASURES (SPRINKLER OVERFLOW WEIRS), CULVERT INLET/OUTLET PROTECTION, ETC.) AND SHALL STABILIZE THE AREAS DISTURBED DURING THE CONSTRUCTION OF THE SEDIMENT BASIN.
5. THE CONTRACTOR SHALL INSTALL TEMPORARY DIVERSION MEASURES WITH ASSOCIATED STABILIZATION MEASURES (E. VEGETATIVE COVER, DRAINAGE DITCH SEDIMENT FILTERS, STORM DRAIN SEDIMENT FILTERS, ETC.) TO ASSURE THAT STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT BASIN.
6. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A MANNER THAT WILL ASSURE THAT THE AREA TRIBUTARY TO EACH DIVERSION DOES NOT EXCEED FIVE (5) ACRES. THESE TEMPORARY DIVERSION MEASURES SHALL BE INSPECTED DAILY AND REPAIRED/STABILIZED AS NECESSARY TO MINIMIZE EROSION.
7. THE CONTRACTOR SHALL COMPILE SITE CONSTRUCTION ACTIVITIES INCLUDING CLEARING & GRADING OF THE PROPOSED AREA OF DISTURBANCE AS REQUIRED.
8. INSTALL PROTECTIVE MEASURES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
9. CONSTRUCT ALL UTILITIES, CURB AND GUTTER, GUTTER INLETS, AREA INLETS, AND STORM SEWER MANHOLES, AS SHOWN ON THE PLANS. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION PLACE REQUIRES REPAIR AT LOCATIONS SHOWN ON THE PLANS.
10. FINALE PAVEMENT SUB-GRADE PREPARATION.
11. REMOVE PROTECTIVE MEASURES FROM INLETS AND MANHOLES NO MORE THAN 24 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
12. INSTALL SURFACE MATERIAL, AS REQUIRED FOR PAVEMENT.
13. PRIOR TO FINALIZING CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
14. UPON COMPLETION OF SITE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL FINALIZE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY. CONTRACTOR SHALL FINISH GRADE THE FORBAYS, AQUATIC BENCHES, AND WEIR FIELDS AND STABILIZE AS INDICATED IN THE PROJECT DRAWINGS.
15. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THEIR REMOVAL.

EROSION AND SEDIMENT CONTROL MEASURES:

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONFINEMENT" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

TOPSOIL SPECIFICATIONS:

1. EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.
2. COMPLETE SOIL GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL, TO BE ADDED.
3. SCORIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS, AND SCRIPPLY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.
4. REMOVE RESIDUE, WOODY PLANT PARTS, STONES OVER 10 INCHES IN DIAMETER, AND OTHER LITTER.

TOPSOIL MATERIALS:

1. NEW TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA:
 - A. ORIGINAL LOW CATION (LIME) FREE DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL, AND FREE OF DENSE MATERIAL, HARDBALL, CLAY, STONES, SOIL OR OTHER OBJECTIONABLE MATERIAL.
 - B. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLE PASSING A 1/2" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105 C.
 - C. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE.
 - D. CONTAINING THE FOLLOWING NUTRIENT GRADIENTS:

SEWE DESIGNATION	N, % PASSING	PHOSPHORUS, %
100	100	100
14"	91-100	97-100
NO.200	26-60	26-60

APPLICATION AND GRADING:

1. TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, WET, OR ON SLOPES STEEPER THAN 4:1.
2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 4:1 SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY TRACKING WITH SUITABLE EQUIPMENT.

VEGETATIVE COVER SPECIFICATIONS:

- TEMPORARY VEGETATIVE COVER (DURING CONSTRUCTION):**
1. SITE PREPARATION
 - A. SAME AS PERMANENT VEGETATIVE COVER
 2. SEED MIX (APPLY AT RATE OF 1 TO 4 LBS PER 1000 SF)

AQUICULTURE SPECIES OR VARIETY	PURITY	MINIMUM %	GERMINATION
50% PERENNAIAL RYE	95%	90%	90%
100% ANNUAL RYEGRASS	95%	90%	90%
100% CHEWING RED FESCUE	97%	85%	85%
 3. SEEDING
 - A. SAME AS PERMANENT VEGETATIVE COVER

PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):

1. SITE PREPARATION
 - A. BRING AREA TO BE SEED TO COVER GRADE. A MINIMUM OF 4" OF TOPSOIL IS REQUIRED.
 - B. PREPARE SEEDING AREAS BY LOSINGING SOIL TO A DEPTH OF 4 INCHES.
 - C. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATERIAL FROM THE SURFACE.
 - D. LIME TOP SOIL AS NECESSARY.
 - E. FERTILIZER USE 5-5-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF.
 - F. INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL.
 - G. SMOOTH AND FIRM THE SEEDBED.
2. SEED MIXTURE FOR USE IN UPLAND AREAS:

SEED MIXTURE	PLANTING DATE
PERMANENT VEGETATIVE COVER	NOVEMBER 15 TH - FEBRUARY 15 TH
LAWN SEED MIX (APPLY AT RATE OF 5 TO 6 LBS PER 1000 SF)	MARCH 15 TH - OCTOBER 15 TH

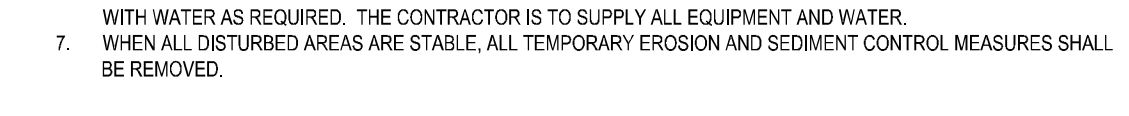
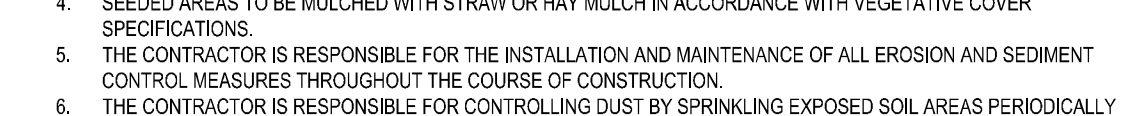
SEEDING:

- A. APPLY SEED UNIFORMLY BY CYCLONE SEEDER, CULTIPACKER OR HYDRO-SEEDER AT RATE INDICATED.
- B. ALL SEEDING AREAS SHALL BE PROTECTED FROM DISRUPTION BY ONE OF THE FOLLOWING METHODS:
 - i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 1200 LBS/Acre INJ., TO BE APPLIED ONCE SEEDING IS COMPLETE.
 - ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 200 LBS/Acre
- C. ALL SEEDING SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH A MESH OR APPROVED EQUIV.
- D. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.
- E. UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15TH TO JUNE 15TH, AND FROM AUGUST 15TH TO OCTOBER 15TH.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NOVEMBER 2016.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES, INSTALL SILT FENCE AROUND SOIL STOCKPILES.
3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTRIBUTED FOR 30 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 45 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTRIBUTED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE. FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
4. SEEDING AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

DEWATERING AND SUMP PIT DETAIL:



CONSTRUCTION NOTES:

1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. STEEL DRUMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY, ANY TANKS MAY BE USED, PROVIDING THAT THE VOLUME REQUIREMENTS ARE MET.
3. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A DESIGNATED TRAPPING DEVICE OR AS APPROVED BY THE QUALIFIED INSPECTOR.

PORTABLE SEDIMENT TANK DETAIL:



FIBER LOG APPLICATION NOTES:

1. THE PRIMARY PURPOSE OF A FIBER LOG DIKE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDING BEHIND THE MEASURABLE AND SEDIMENT FALLS OUT OF SUSPENSION.
2. FIBER LOG DIKES CAN BE USED IN SENSITIVE AREAS WHERE CONTROL OF WEEDS AND INVASIVE PLANT SPECIES IS DESIRED.
3. FIBER LOG DIKE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). THEY MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM OF THE DIKES SHALL BE CURVED UP SLIGHTLY TO IMPROVE RUNOFF.
4. FIBER LOGS SHALL NOT BE USED IN OR ACROSS A FLOWING NATURAL CHANNEL.
5. FIBER LOGS ARE NOT TO BE INSTALLED SO THAT RUNOFF WILL FLOW ALONG THE FIBER LOG IN A CONCENTRATED MANNER.

FIBER LOG GENERAL NOTES:

1. FIBER LOG DIKE SHALL BE PLACED A MINIMUM OF 2 FT FROM THE TOE OF SLOPE. (5 FT PREFERRED), TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND TO FACILITATE MAINTENANCE OF THE SEDIMENT CONTAINMENT AREA.
2. POSTS MAY BE 1.5 IN (3.8) DIA HARDWOOD OR 1.5 IN (3.8) DIA (MIN) SOFTWOOD.
3. SPACING SHALL BE 3 FT (MAX) BETWEEN STAPLES.
4. THE CONTRACTOR SHALL INSPECT MEASURES EVERY SEVEN CALENDAR DAYS AND/OR AFTER EACH RAINFALL EVENT. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
5. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNDESIRABLE MATERIAL.
6. MAXIMUM DRAINAGE AREA TRIBUTARY TO 100 FT OF FIBER LOG SHALL BE 1.5 AC.
7. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS TO FIBER LOG MEASURES:

SLOPE	SPACING (FT)
1:2	15
1:2 - 1:4	15
1:4	20

CONSTRUCTION NOTES:

1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. STEEL DRUMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY, ANY TANKS MAY BE USED, PROVIDING THAT THE VOLUME REQUIREMENTS ARE MET.
3. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A DESIGNATED TRAPPING DEVICE OR AS APPROVED BY THE QUALIFIED INSPECTOR.

PORTABLE SEDIMENT TANK DETAIL:



COMPACTION REQUIREMENTS:

LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 FT OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 LF OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE BEDDING AND PIPE ZONE	95% ASTM D1557	1 TEST FOR EACH 150 FT OR LESS OF TRENCH LENGTH.
PAVEMENT SUBBASE AND LAST LIFT (IF SELECT GRANULAR FILL) (FILL BETWEEN SHEET PILES)	95% ASTM D1557	1 TEST FOR EVERY 2,000 SQ. FT. OF LIFT AREA BUT NO FEWER THAN TWO TESTS PER LIFT.

DEWATERING & SUMP PIT DETAIL:



CONSTRUCTION NOTES:

1. SUMP PIT QUANTITY & LOCATION SHALL BE DETERMINED BY CONTRACTOR.
2. PERFORATIONS IN THE STAMPPIPE SHALL BE EITHER CIRCULAR OR SLOTS. PERFORATION SIZE SHALL NOT EXCEED 1/2" INCH DIAMETER. PUMP RATE SHALL NOT EXCEED 180 GPM PER INCH OF STAMP PIPE.
3. CRUSHED STONE OR GRAVEL SHALL BE NYSDOT #2 SIZE OR EQUIVALENT AND SHALL BE WASHED PRIOR TO PLACEMENT WITHIN SUMP.
4. DISCHARGE SHALL BE THROUGH DEWATERING BAGS, OR AS DIRECTED BY ENGINEER.
5. CONTRACTOR TO SUBMIT DEWATERING PLAN TO ENGINEER FOR REVIEW & APPROVAL.

DEWATERING & SUMP PIT DETAIL:



CONSTRUCTION NOTES:

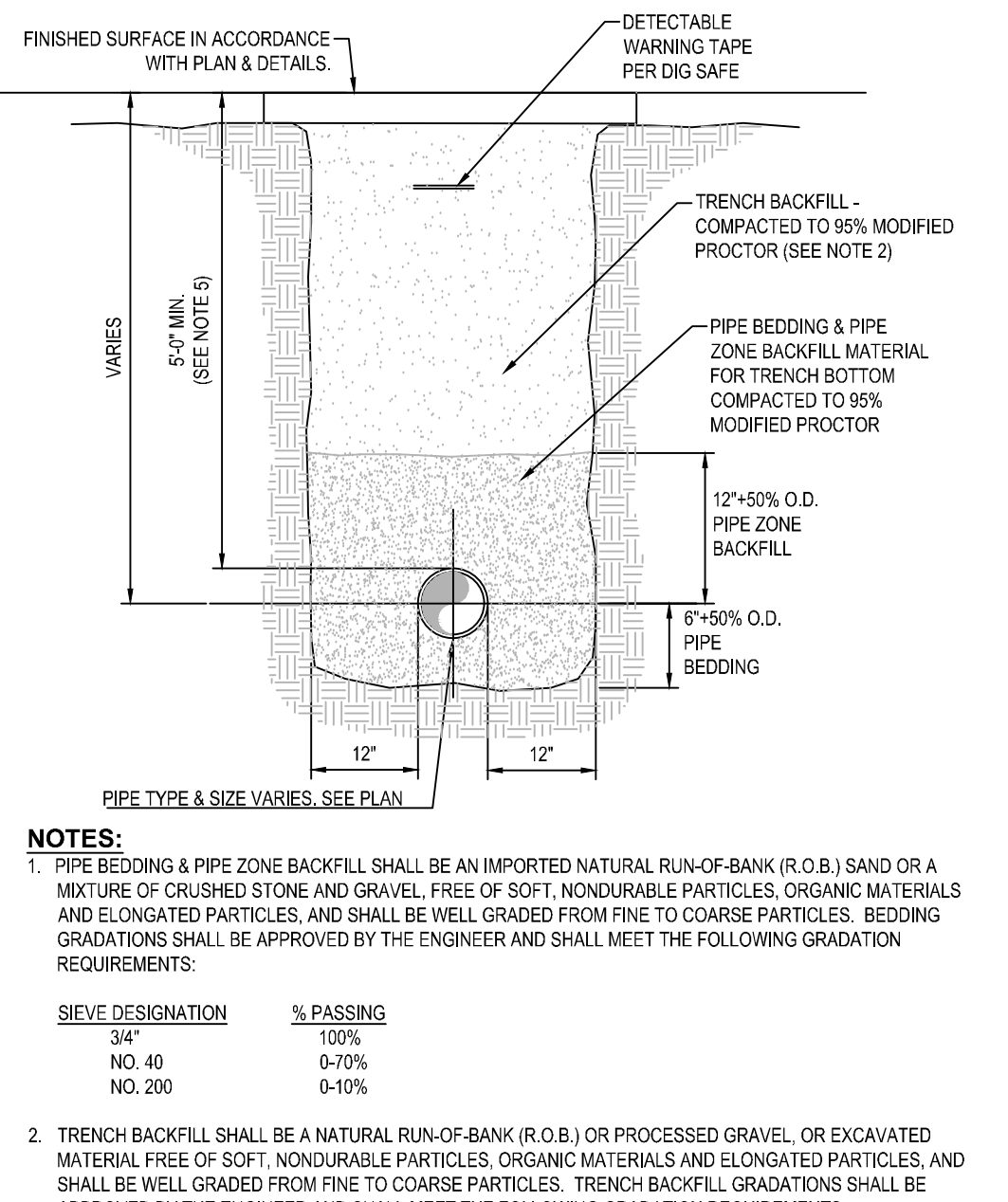
1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. STEEL DRUMS ARE USED AS AN EXAMPLE DUE TO THEIR READY AVAILABILITY, ANY TANKS MAY BE USED, PROVIDING THAT THE VOLUME REQUIREMENTS ARE MET.
3. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A DESIGNATED TRAPPING DEVICE OR AS APPROVED BY THE QUALIFIED INSPECTOR.

NOT FOR CONSTRUCTION



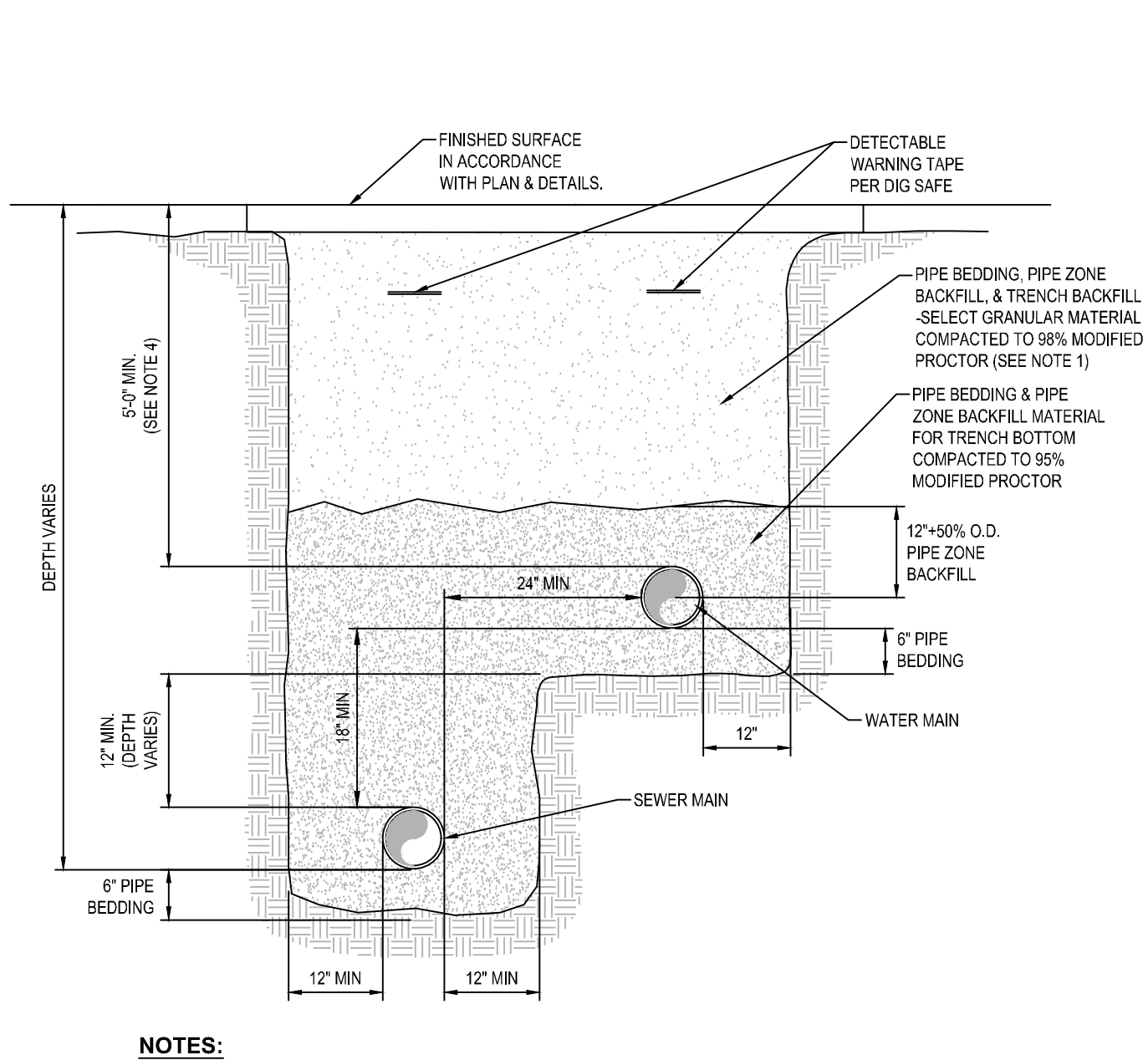
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**CONNECTICUT
SPORTS GROUP**
9 W BROADS STREET
SUITE 430
STAMFORD, CT 06902

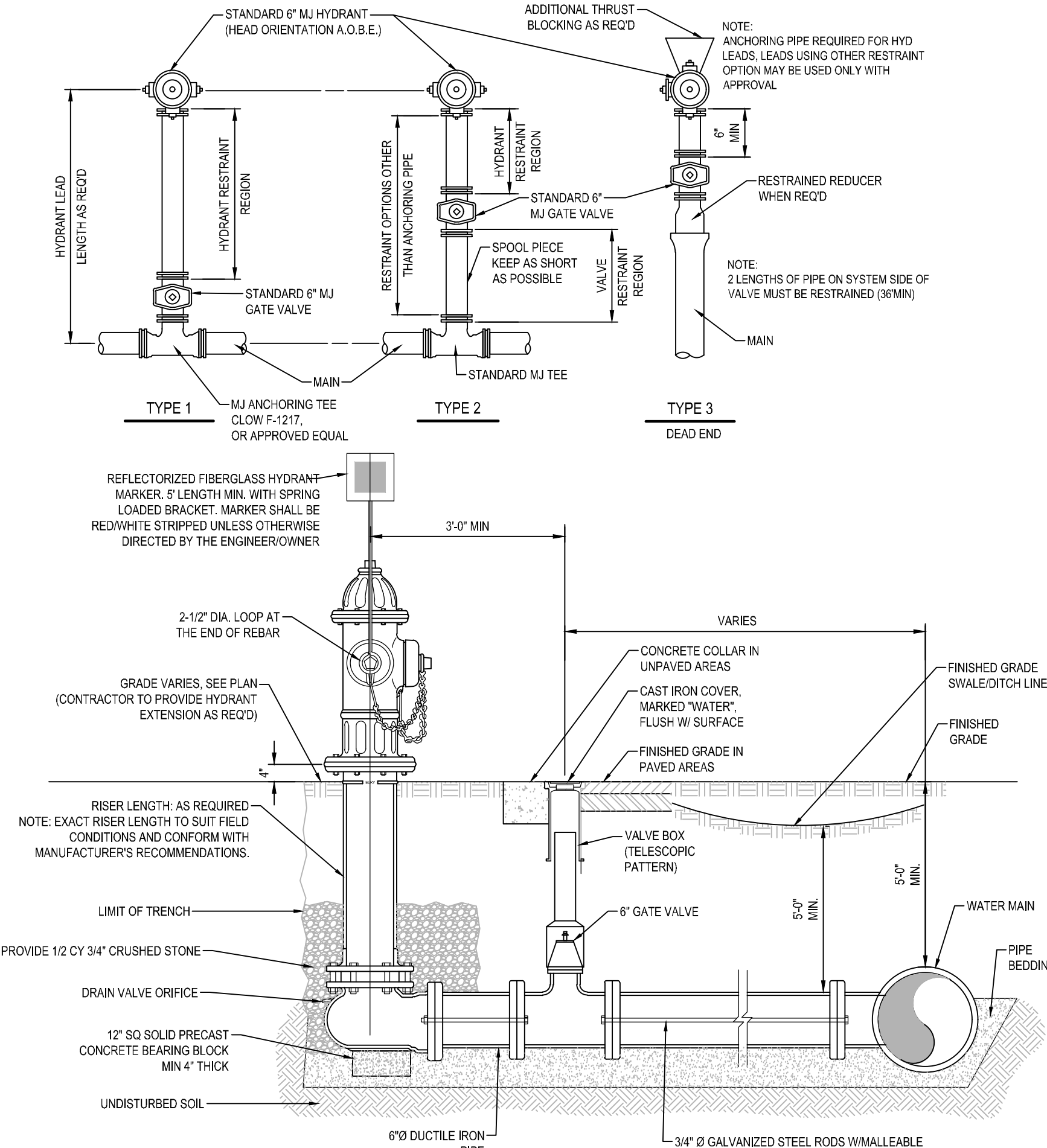


1 PIPE TRENCH DETAIL (TYPICAL)
SCALE: NOT TO SCALE

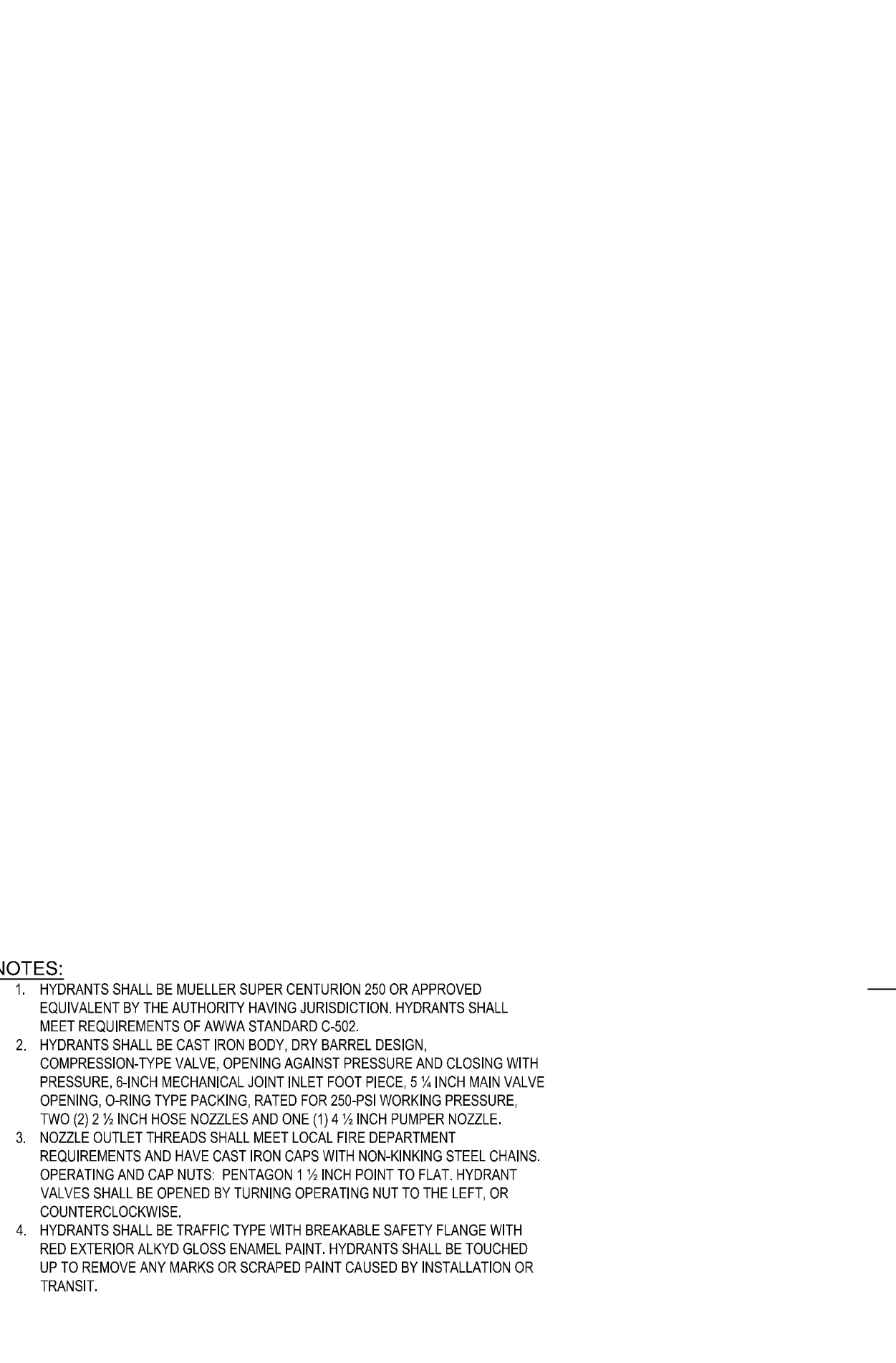
PIPE SIZE (INCHES)	THICKNESS CLASS	WALL THICKNESS (INCHES)	MAX TAP SIZE (INCHES)
4"	2	0.29	3/4
6"	2	0.31	1
8"	2	0.33	1 1/4
10"	2	0.35	1 1/2
12"	2	0.37	2
14"	2	0.39	2
16"	2	0.40	2
18"	2	0.41	2
20"	2	0.42	2
24"	2	0.44	2



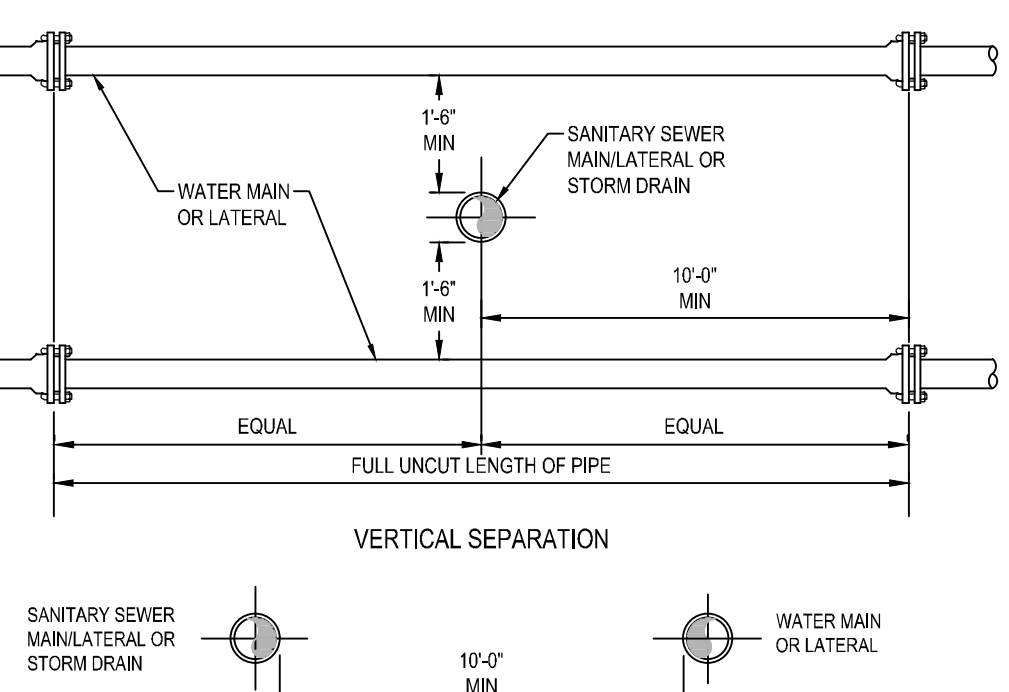
2 DUAL PIPE TRENCH DETAIL
SCALE: NOT TO SCALE



3 HYDRANT ASSEMBLY DETAIL
SCALE: NOT TO SCALE



5 WATERLINE OFFSET DETAIL
SCALE: NOT TO SCALE



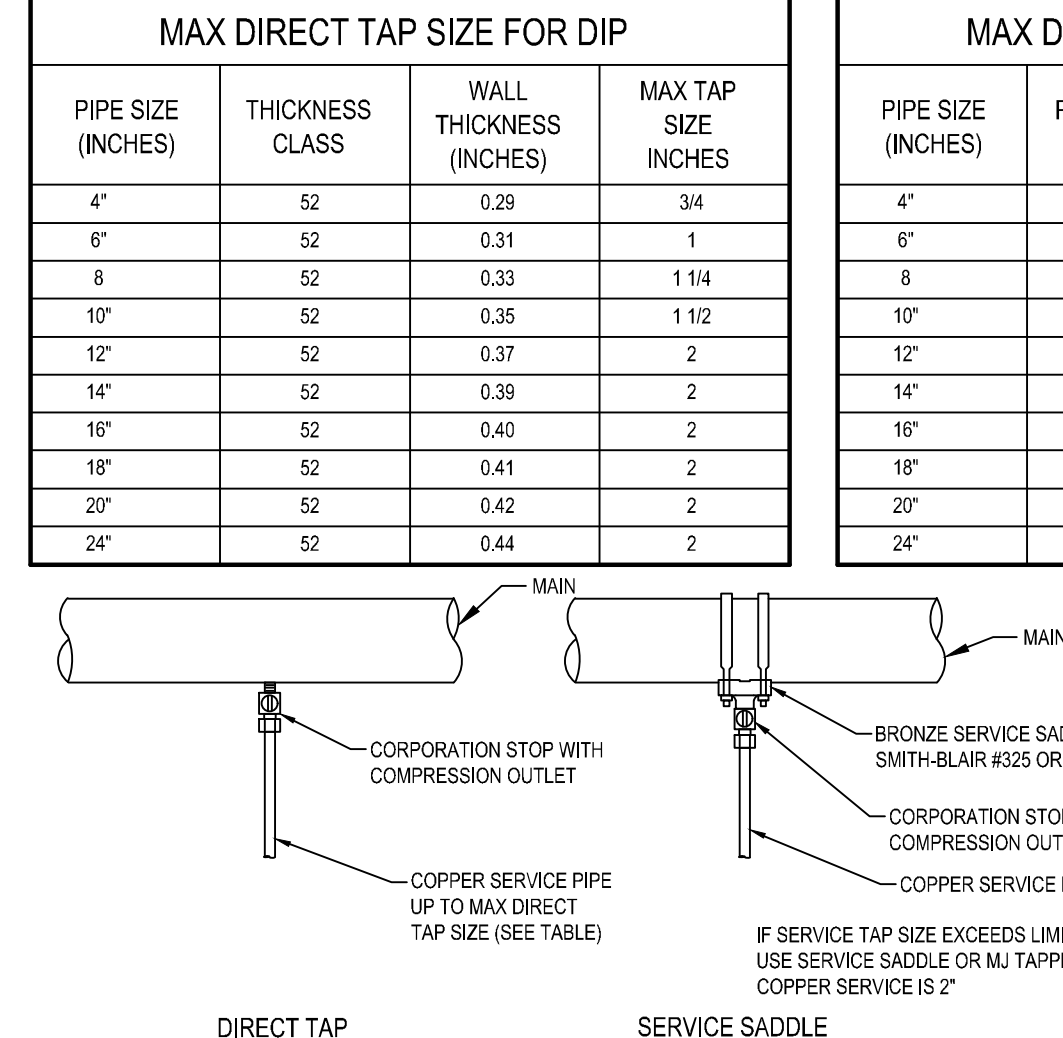
4 SANITARY/TORM SEWER AND WATERMAIN SEPARATION DETAIL
SCALE: NOT TO SCALE

MAX DIRECT TAP SIZE FOR DIP

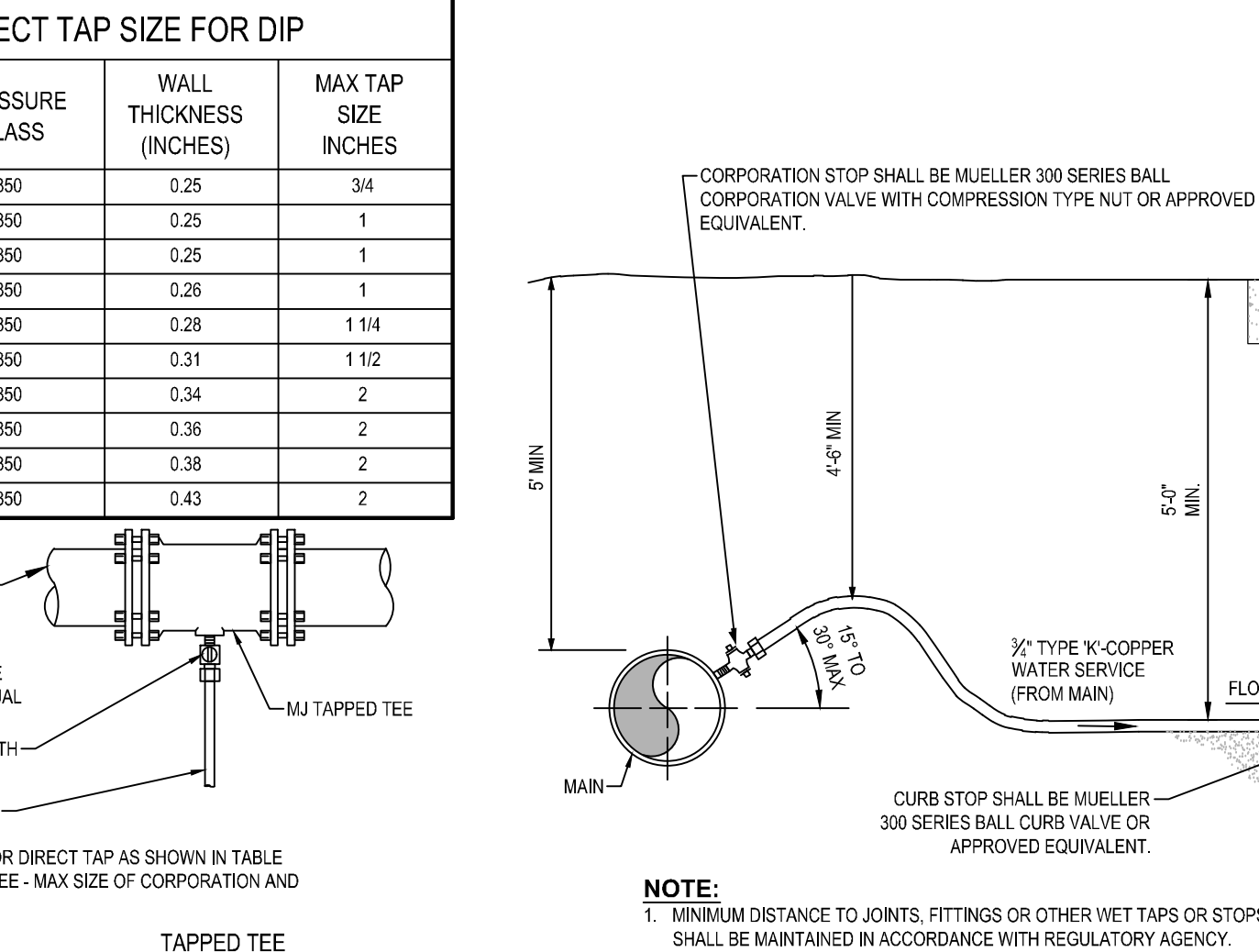
PIPE SIZE (INCHES)	THICKNESS CLASS	WALL THICKNESS (INCHES)	MAX TAP SIZE (INCHES)
4"	2	0.29	3/4
6"	2	0.31	1
8"	2	0.33	1 1/4
10"	2	0.35	1 1/2
12"	2	0.37	2
14"	2	0.39	2
16"	2	0.40	2
18"	2	0.41	2
20"	2	0.42	2
24"	2	0.44	2

MAX DIRECT TAP SIZE FOR DIP

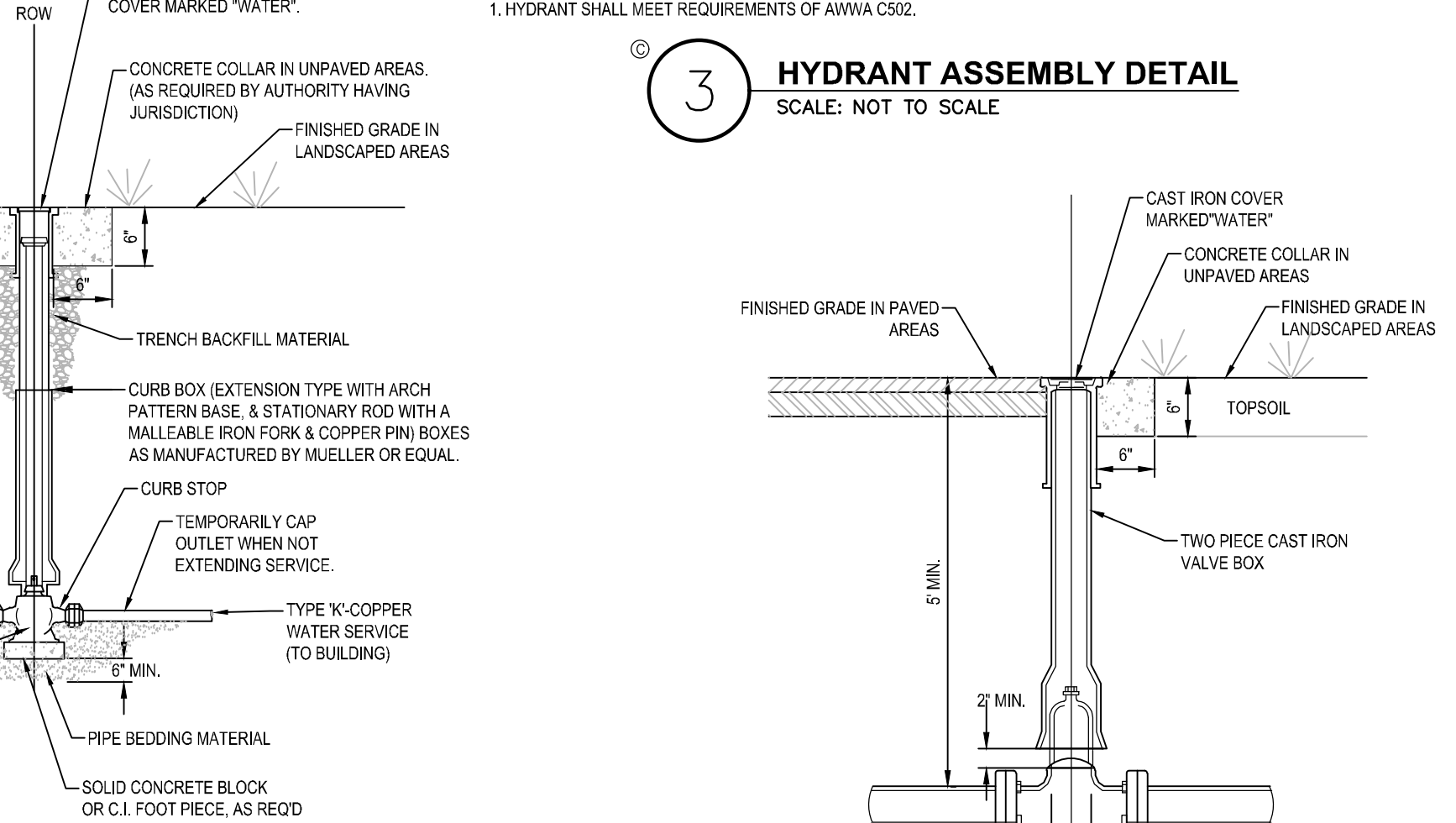
PIPE SIZE (INCHES)	PRESSURE CLASS	WALL THICKNESS (INCHES)	MAX TAP SIZE (INCHES)
4"	350	0.25	3/4
6"	350	0.25	1
8"	350	0.25	1
10"	350	0.26	1
12"	350	0.28	1 1/4
14"	350	0.31	1 1/2
16"	350	0.34	2
18"	350	0.36	2
20"	350	0.38	2
24"	350	0.43	2



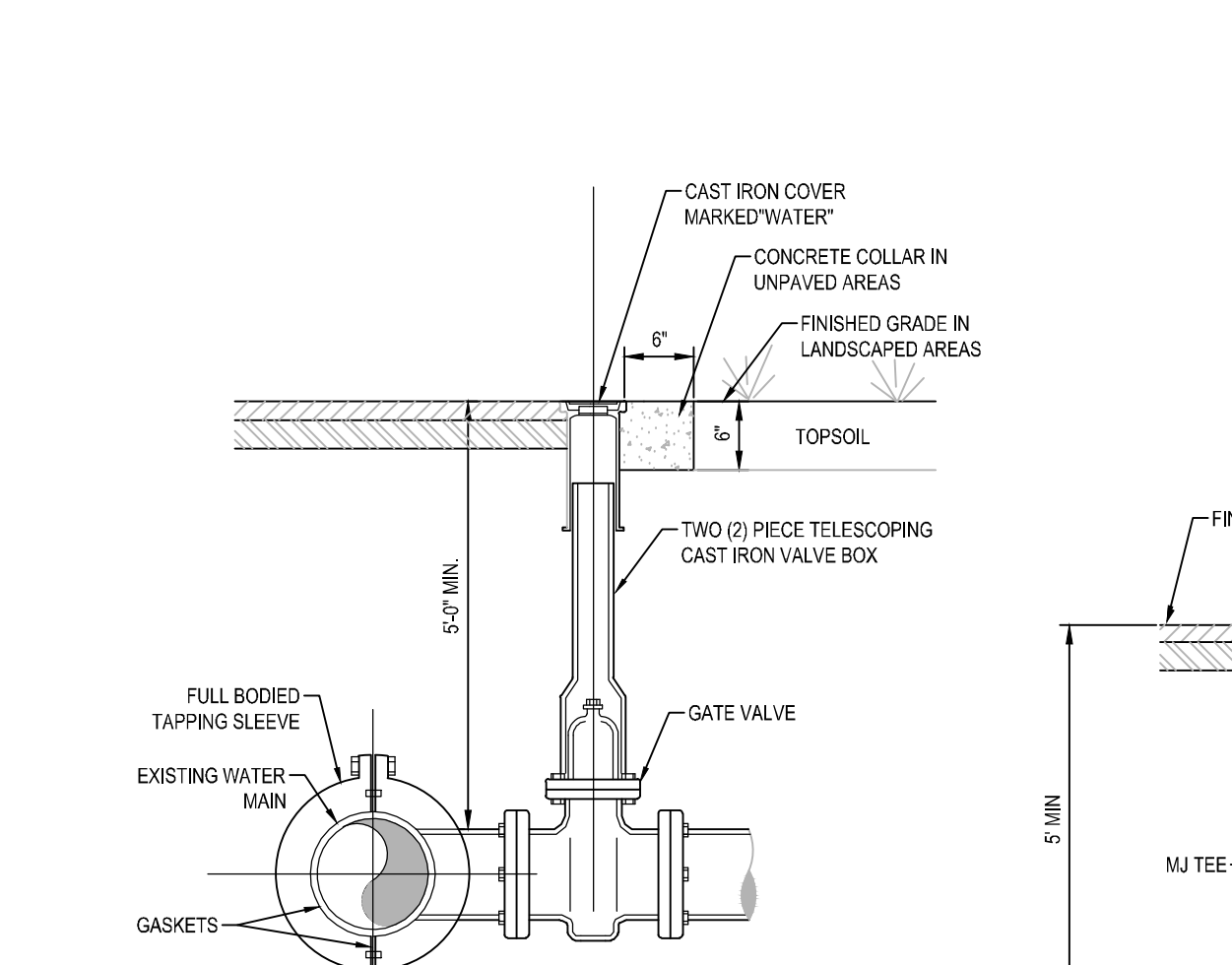
6 TYPICAL COPPER WATER SERVICE TAPS
SCALE: NOT TO SCALE



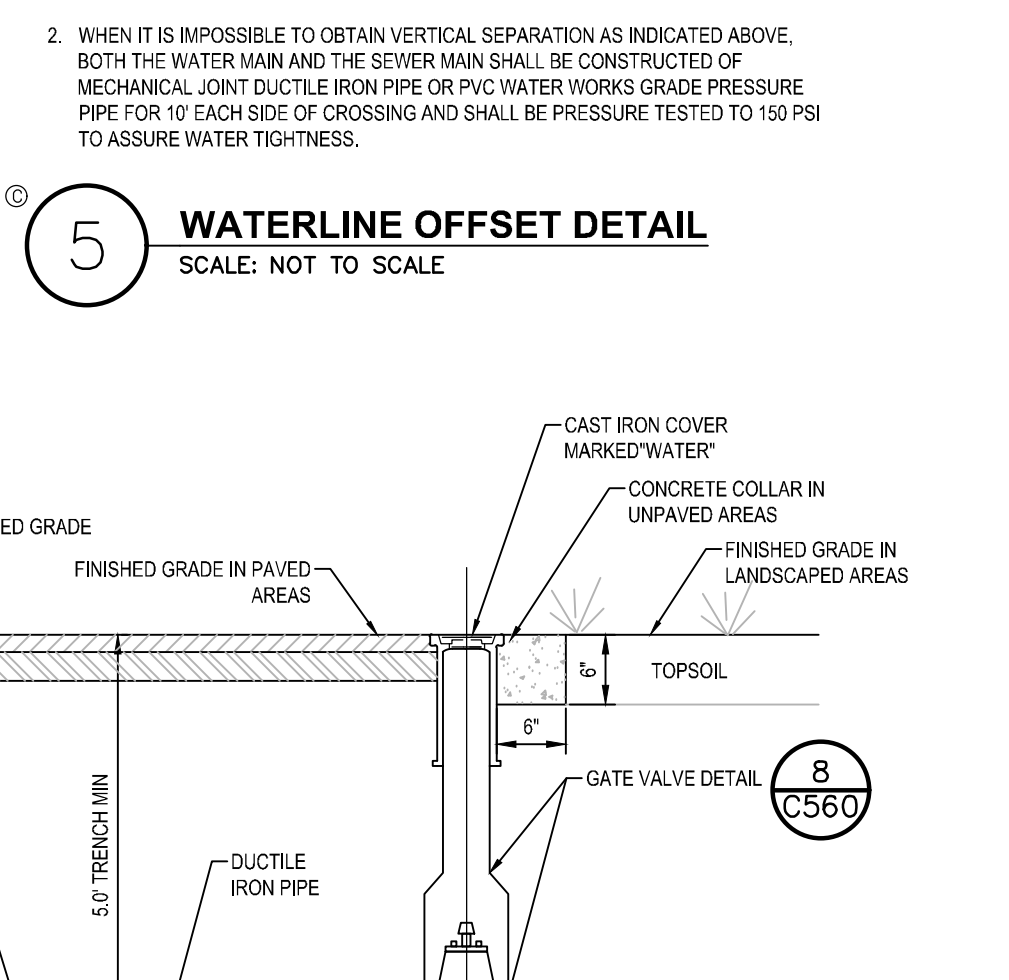
7 CORPORATION STOP
SCALE: NOT TO SCALE



8 TYPICAL GATE VALVE DETAIL
SCALE: NOT TO SCALE



9 TAPPING SLEEVE AND VALVE DETAIL
SCALE: NOT TO SCALE



10 DUCTILE IRON SERVICE PIPE
SCALE: NOT TO SCALE

REQUIRED BEARING AREAS - B (SQ FT) FOR BEARING BLOCKS*

PIPE SIZE (INCHES)	TEE	90° BEND	45° BEND	22 1/2° BEND	11 3/4° BEND
4	2.0	2.8	1.5	0.8	0.4
6	4.2	5.9	3.2	1.6	0.8
8	7.2	10.1	5.5	2.8	1.4
10	10.9	15.4	8.3	4.2	2.1
12	15.4	21.9	11.8	6.0	3.0
14	20.6	29.1	15.8	8.0	4.0
16	26.9	37.9	20.5	10.4	5.2
18	33.8	47.6	26.7	13.1	6.6
20	41.2	58.2	31.5	15.1	8.1
24	58.8	83.1	45.0	22.9	11.5
30	90.5	128.0	69.2	35.3	17.7
36	128.6	183.3	98.1	50.5	25.4

TYPE A BLOCKING

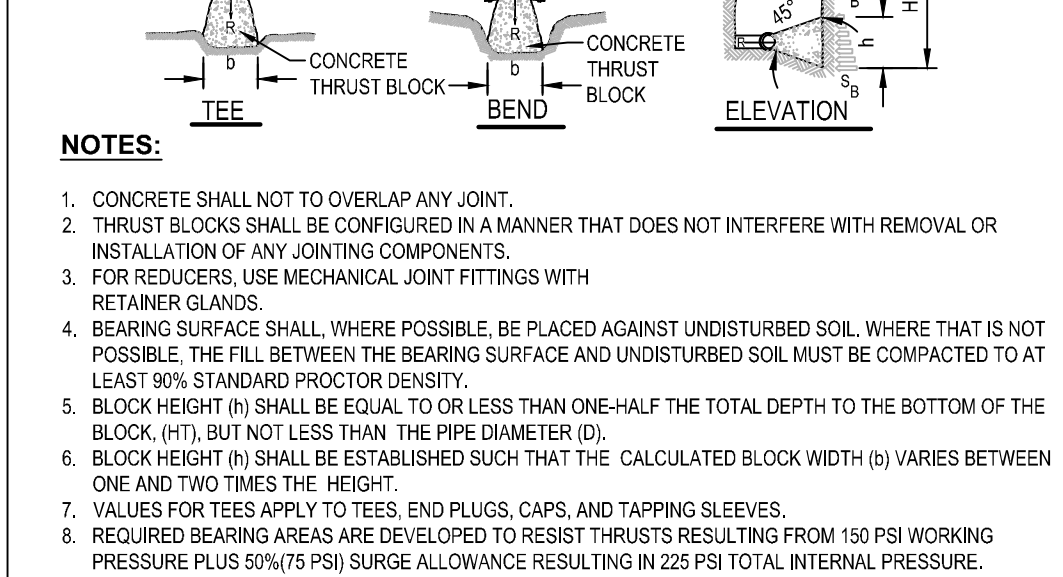
PIPE SIZE (INCHES)	NO. OF CURB TIE RODS	SIDE OF CURB	SHANKS	DEPTH OF RODS IN TRENCH (FEET)	
4"	11	14	2	34"	1.6
6"	11	14	2	34"	1.6
8"	11	14	2	34"	1.6
10"	11	14	2	34"	1.6
12"	11	14	2	34"	1.6
14"	11	14	2	34"	1.6
16"	11	14	2	34"	1.6
18"	11	14	2	34"	1.6
20"	11	14	2	34"	1.6
24"	11	14	2	34"	1.6
30"	11	14	2	34"	1.6
36"	11	14	2	34"	1.6

TYPE B BLOCKING

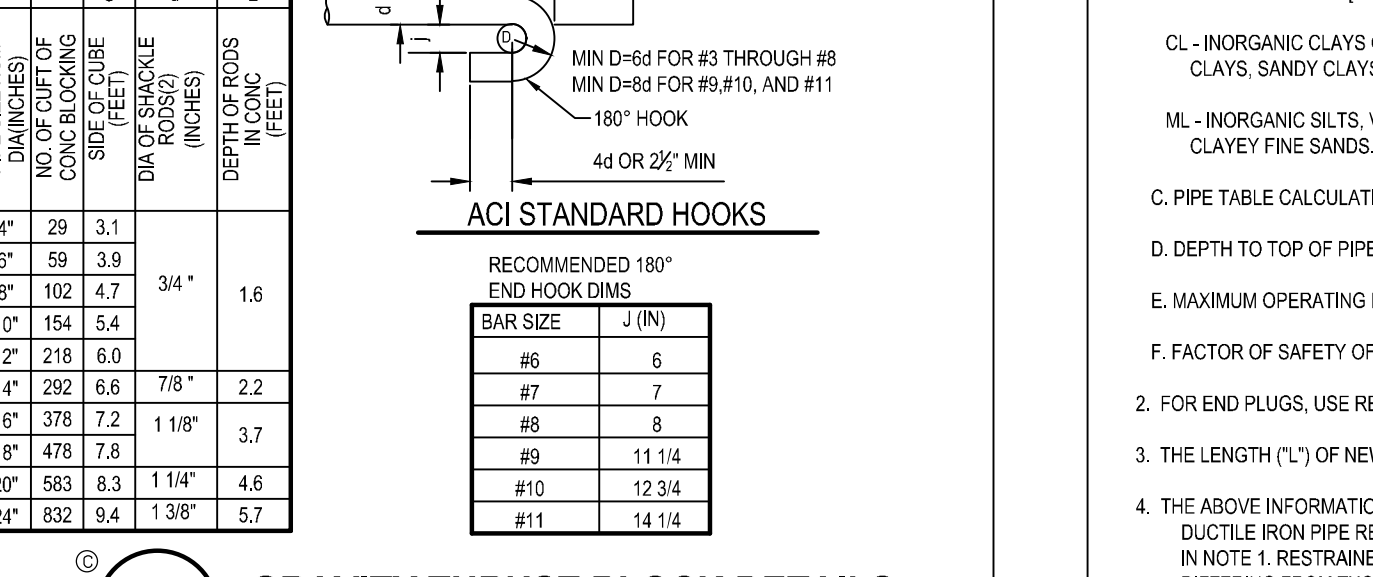
PIPE SIZE (INCHES)	NO. OF CURB TIE RODS	SIDE OF CURB	SHANKS	DEPTH OF RODS IN TRENCH (FEET)	
4"	29	31	4	34"	1.6
6"	29	31	4	34"	1.6
8"	29	31	4	34"	1.6
10"	29	31	4	34"	1.6
12"	29	31	4	34"	1.6
14"	29	31	4	34"	1.6
16"	29	31	4	34"	1.6
18"	29	31	4	34"	1.6
20"	29	31	4	34"	1.6
24"	29	31	4	34"	1.6
30"	29	31	4	34"	1.6
36"	29	31	4	34"	1.6

GRAVITY THRUST BLOCK DETAILS

SOIL	BEARING STRENGTH (LB/SQ FT)
MUCK	1,000
SOFT CLAY	1,500
SILT	3,000
SANDY SILT	4,000
SAND	5,000
SANDY SAND	6,000
HARD CLAY	9,000



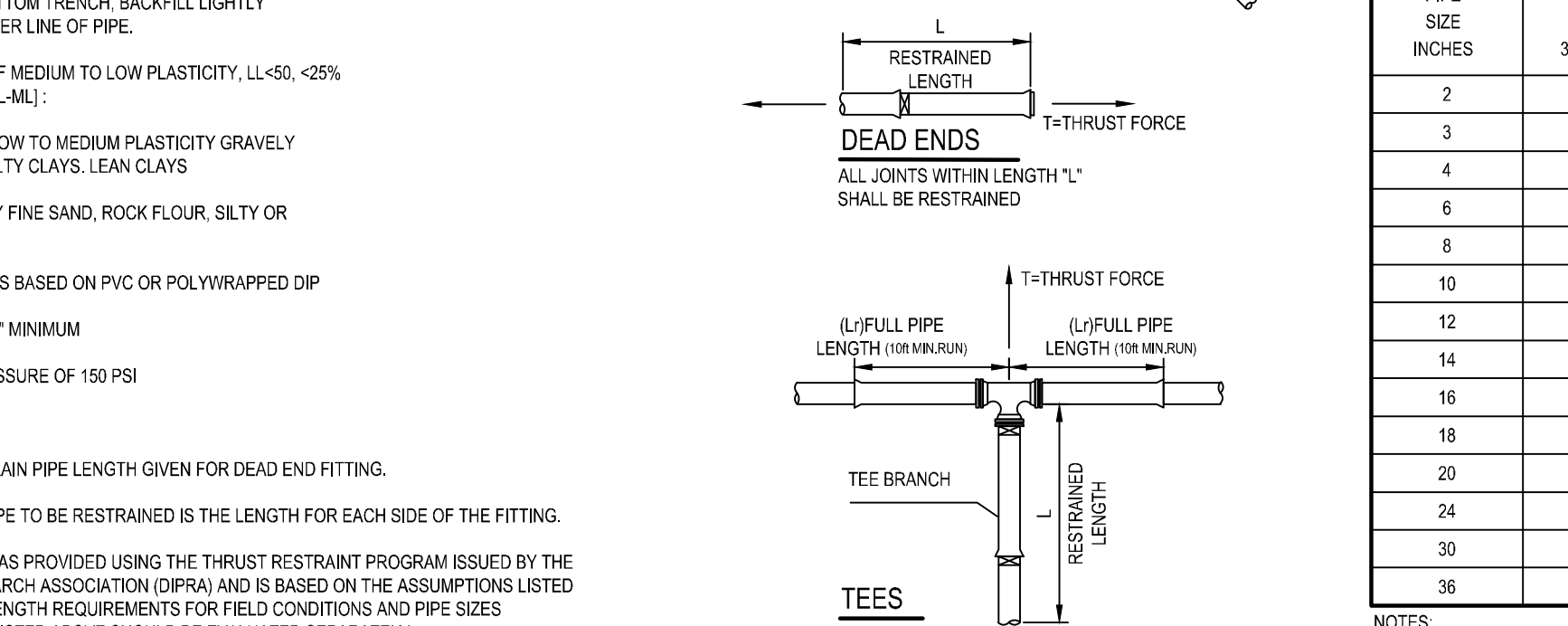
11 CONCRETE THRUST BLOCK DETAILS
SCALE: NOT TO SCALE



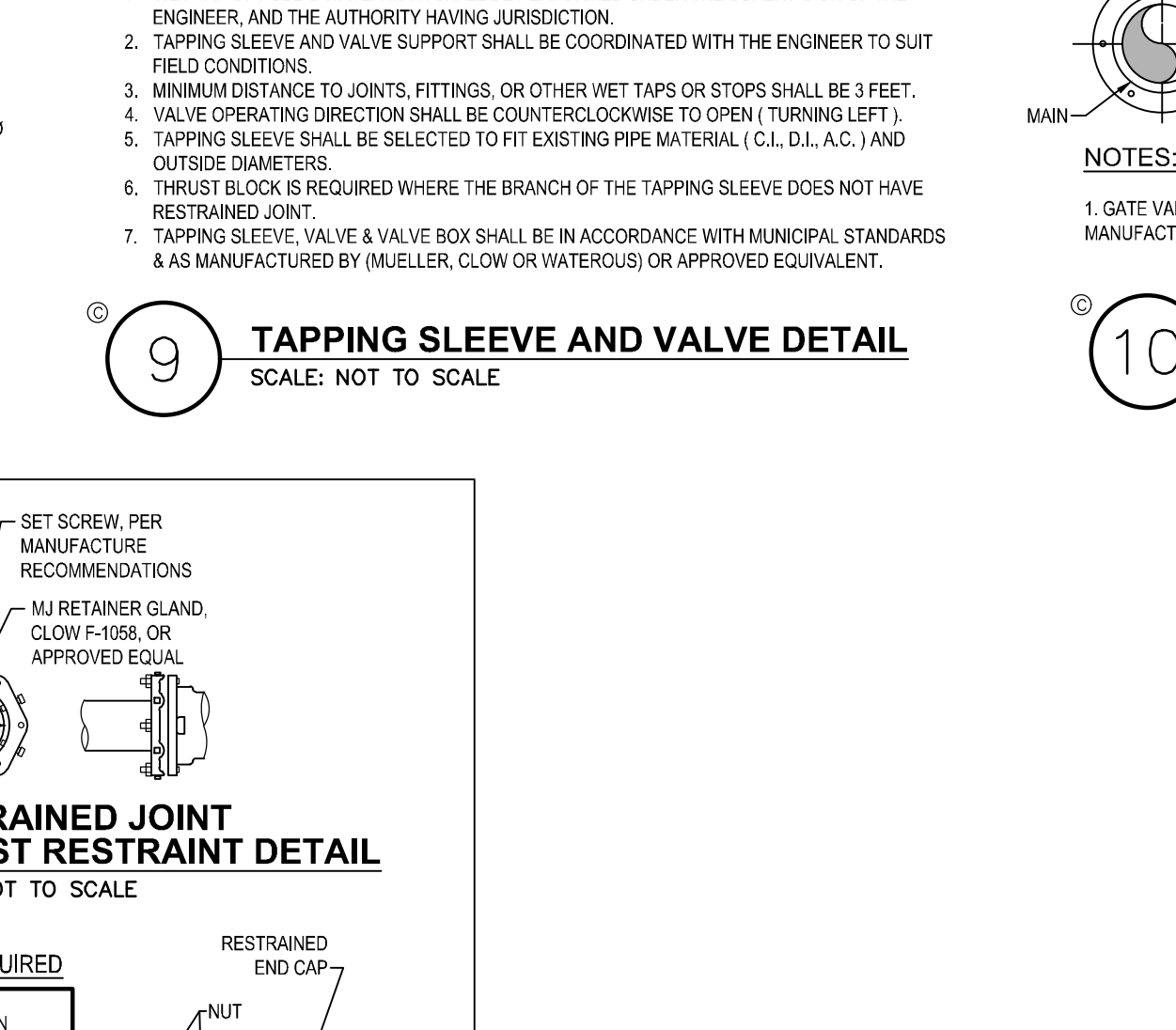
12 GRAVITY THRUST BLOCK DETAILS
SCALE: NOT TO SCALE

SCHEDULE OF JOINT RESTRAINT (PVC OR POLYWRAPPED DIP)

PIPE SIZE (INCHES)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)	RESTRAINED LENGTH (FEET)
4"	10'	10'	10'	10'	10'	10'	10'	10'	10'
6"	10'	10'	10'	10'	10'	10'	10'	10'	10'
8"	10'	10'	10'	10'	10'	10'	10'	10'	10'
10"	10'	10'	10'	10'	10'	10'	10'	10'	10'
12"	10'	10'	10'	10'	10'	10'	10'	10'	10'
14"	10'	10'	10'	10'	10'	10'	10'	10'	10'
16"	10'	10'	10'	10'	10'	10'	10'	10'	10'
18"	10'	10'	10'	10'	10'	10'	10'	10'	10'
20"	10'	10'	10'	10'	10'	10'	10'	10'	10'
24"	10'	10'	10'	10'	10'	10'	10'	10'	10'
30"	10'	10'	10'	10'	10'	10'	10'	10'	10'
36"	10'	10'	10'	10'	10'	10'	10'	10'	10'



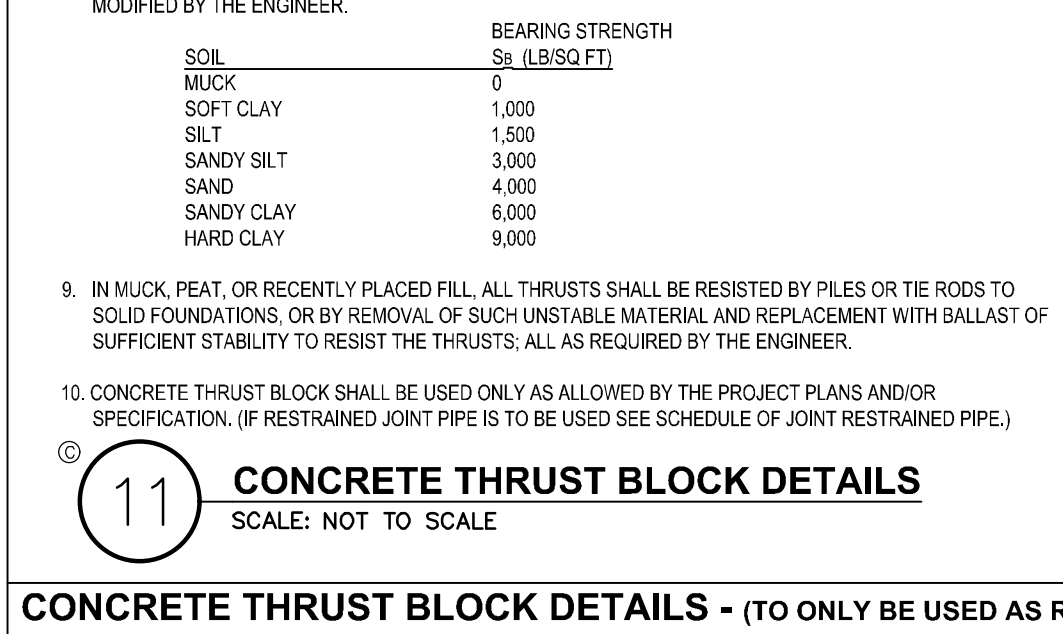
15 RESTRAINED JOINT THRUST RESTRAINT DETAIL
SCALE: NOT TO SCALE



14 RESTRAINED JOINT PIPE DIAGRAMS
SCALE: NOT TO SCALE



16 JOINT RESTRAINT OPTIONS
SCALE: NOT TO SCALE

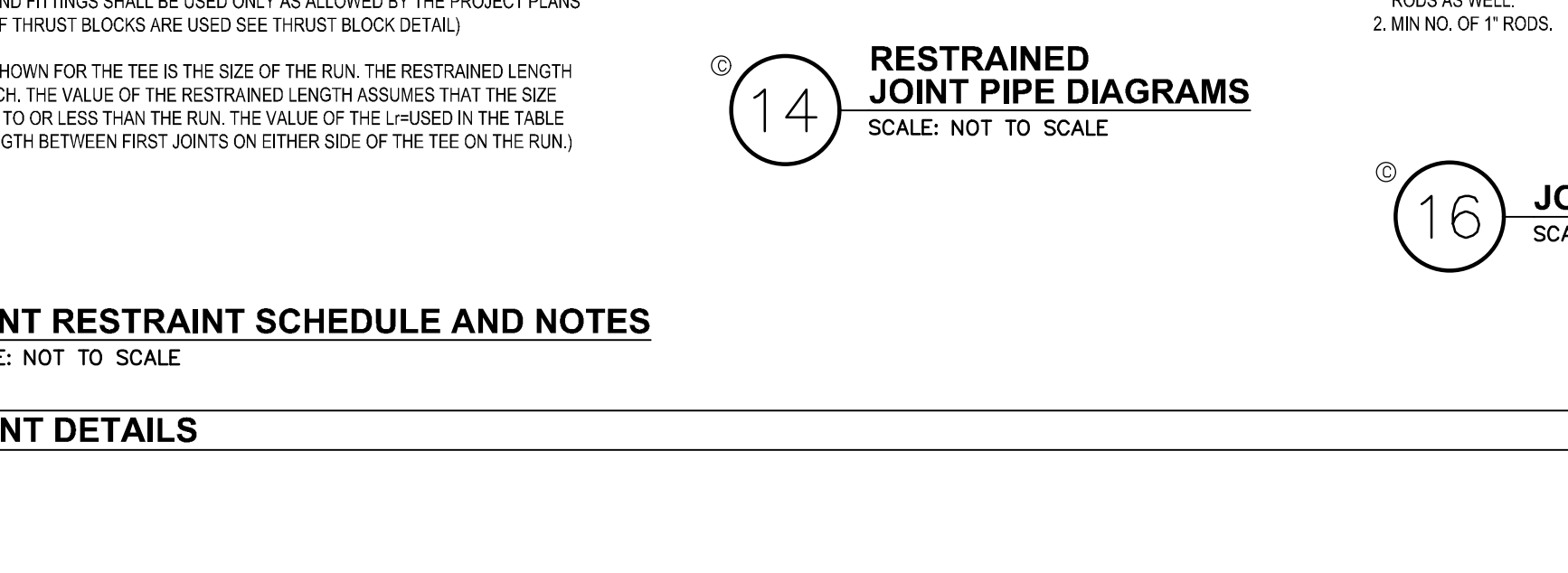


CONCRETE THRUST BLOCK DETAILS - (TO ONLY BE USED AS REQUIRED, SEE WATER MAIN NOTES 5)

JOINT RESTRAINT SCHEDULE AND NOTES

PIPE SIZE (INCHES)	MIN. NO. OF 3/4" RODS	MIN. OF TIE RODS
2	2	1
3	2	1
4	2	1
6	2	1
8	2	1
10	2	1
12	2	1
14	4	4
16	4	4
18	6	6
20	6	6
24	8	8
30	10	10
36	14	12

13 JOINT RESTRAINT SCHEDULE AND NOTES
SCALE: NOT TO SCALE



RESTRAINED JOINT DETAILS

BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION

PROJECT NUMBER: 2230111

DRAWN BY: GA

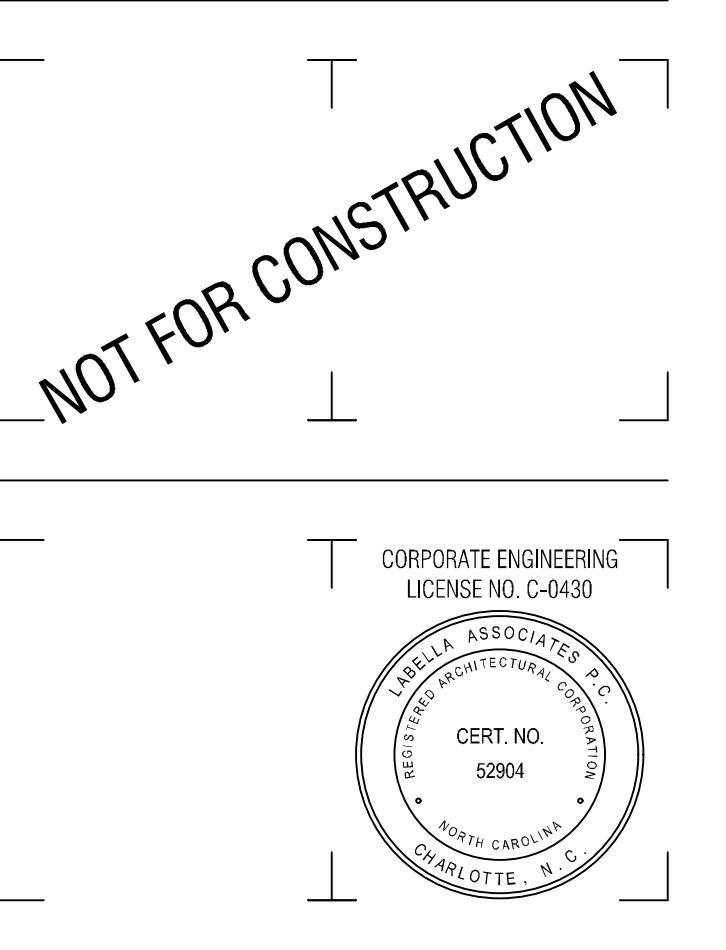
REVIEWED BY: JRS

ISSUED FOR: ISSUED FOR

DATE: 04/08/2024

DRAWING NAME:

WATER SYSTEM DETAILS 1



MANHOLES AND OTHER BELOW GRADE STRUCTURES:

- STRUCTURAL DESIGN FOR MANHOLES AND OTHER BELOW-GRADE STRUCTURES SHALL BE DESIGNED TO WITHSTAND LOADS IMPOSED BY STRUCTURE WEIGHT, EARTH COVER, LATERAL PRESSURE FROM EARTH AND GROUND WATER, AND LIVE LOADS SUCH AS PEDESTRIAN TRAFFIC OR MACHINERY ON OR ABOVE THE STRUCTURE; AND
- TRAFFIC LOADS:
BELOW-GRADE PRECAST CONCRETE STRUCTURES SHALL BE DESIGNED TO ALSO WITHSTAND TRAFFIC LOADS CREATED BY AN 80,000 LB TRUCK PLUS 25% IMPACT, AS DEFINED IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) DESIGN STANDARDS.
- MATERIAL WHICH SHALL BE UTILIZED IN THE CONSTRUCTION OF PRECAST CONCRETE STRUCTURES:
CEMENT: ASTM C-150, TYPE I/II/III
SAND: NYSDOT STD. SPEC. SECTION NO. 703-02 CONCRETE SAND
STONE: NYSDOT STD. SPEC. SECTION NO. 703-02 COARSE AGGREGATE
STEEL BAR REINFORCEMENT: ASTM A618, GRADE 60
WIRE MESH REINFORCEMENT: ASTM A185 PLAIN CONCRETE STRENGTH (90 DAYS): 4,500 PSI (7) ENTENDED AIR: 5% MIN.
- ALL CASTINGS (FRAMES AND COVERS, FRAMES AND GRATES, ETC.) FOR USE IN CONJUNCTION WITH MANHOLES AND OTHER BELOW-GRADE STRUCTURES SHALL BE MANUFACTURED FROM GRAY IRON OR DUCTILE IRON. GRAY IRON SHALL CONFORM WITH ASTM A 48, CLASS 30B AND DUCTILE IRON SHALL CONFORM WITH ASTM A 536 AND BE OF A GRADE APPROPRIATE TO ITS INTENDED USE.
- ALL CASTINGS (FRAMES AND COVERS, FRAMES AND GRATES, ETC.) FOR USE IN CONJUNCTION WITH MANHOLES AND OTHER BELOW-GRADE STRUCTURES SHALL BE DESIGNED TO WITHSTAND STANDARD HS-20-44 HIGHWAY LOADING, PLUS 20% IMPACT.
- ALL ASTM REFERENCES SHALL BE FOR THE LATEST ACTIVE STANDARD.

ACCEPTABLE MANHOLE STEPS

MANUFACTURER	PATTERN NUMBER	STEP WIDTH	LEG LENGTH	1" RING CLEAR	12" RING CLEAR	18" RING CLEAR
M.A. INDUSTRIES INC.	PS2-PF	14.34	9.14	13.34	3.38	5.78
M.A. INDUSTRIES INC.	PS2-PFS	14.34	8.14	13.34	3.38	4.78

*OR EQUIVALENT
MH STEP DESIGN AND INSTALLATION SHALL COMPLY WITH ALL OSHA REGULATIONS

12 MANHOLE JOINT
SCALE: NOT TO SCALE

13 COPOLYMER POLYPROPYLENE MH STEP
SCALE: NOT TO SCALE

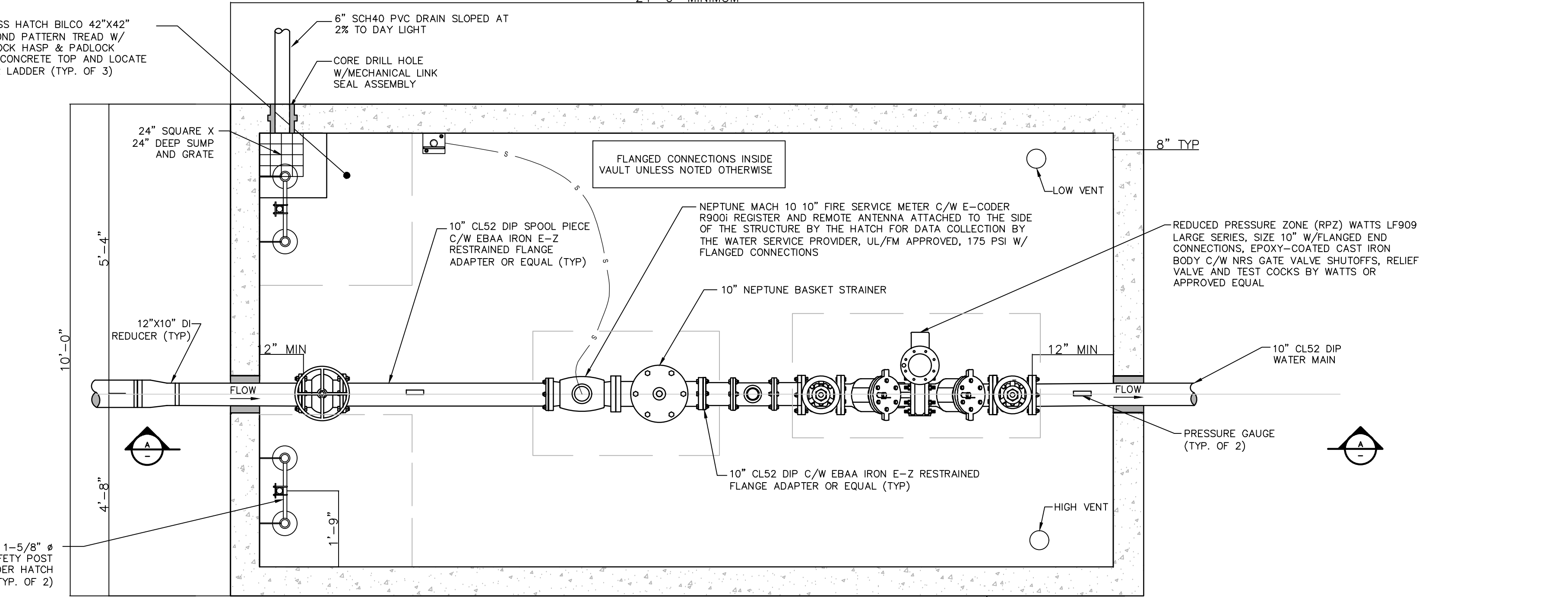
WATER MAIN NOTES:

- ALL WATER LINES SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52, OR PVC C900 UNLESS OTHERWISE SPECIFIED BY OR APPROVED BY THE ENGINEER.
- THE WATER LINE MAY BE DEFLECTED WITH IN-PIPE SPECIFICATIONS OR LAD DEEPER IN AREAS WHERE CROSSINGS WITH THE SANITARY LINE OCCUR. TO ACHIEVE THE REQUIRED 1.5" VERTICAL SEPARATION DISTANCE, SEE WATERLINE OFFSET DETAIL FOR FURTHER INFORMATION.
- WATER MAINS SHALL BE TESTED PER AWWA SECTION C300 OR C900. (SEE WATER MAIN TESTING NOTES) AND THE WATER MAIN IS TO BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT HIGH OR LOW POINTS.
- THRUST RESTRAINT:
A. THE WATER MAIN THRUST RESTRAINT METHOD USED FOR THIS PROJECT SHALL BE RESTRAINED JOINT PIPE AND FITTINGS.
B. IN ADDITION TO THE RESTRAINED JOINT PIPE AND FITTINGS, CONCRETE THRUST BLOCKS ARE REQUIRED ON ALL FITTINGS AT CONNECTIONS WITH THE EXISTING WATER MAINS. IF THE CONNECTION TO AN EXISTING MAIN IS MADE WITH A STRAIGHT RUN OF PIPE AND THE CONNECTION TO THE EXISTING MAIN FALLS WITHIN THE RESTRAINED LENGTH REQUIRED FOR THE FIRST PROPOSED FITTING BEYOND THE CONNECTION, THEN A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT THAT FITTING.
C. IN GENERAL, CONCRETE THRUST BLOCKS MAY BE USED TO SUPPLEMENT, BUT NOT REPLACE, THE RESTRAINED JOINT PIPE AND FITTINGS REQUIRE.
- DISINFECTION OF PORTABLE WATER MAINS:
A. DISINFECTION WILL BE ACCOMPLISHED AFTER PIPE HAS PASSED ANY LEAKAGE TESTS.
B. THE MUNICIPALITY AND THE ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF PRESSURE TESTING, LEAKAGE TESTING, AND DISINFECTION.
C. DISINFECTION WILL BE PERFORMED IN ACCORDANCE WITH AWWA STANDARD C901 LATEST EDITION, (EXCLUDING SECTION 4.2 COVERING THE TABLET METHOD). (SEE WATER MAIN DISINFECTION NOTES)

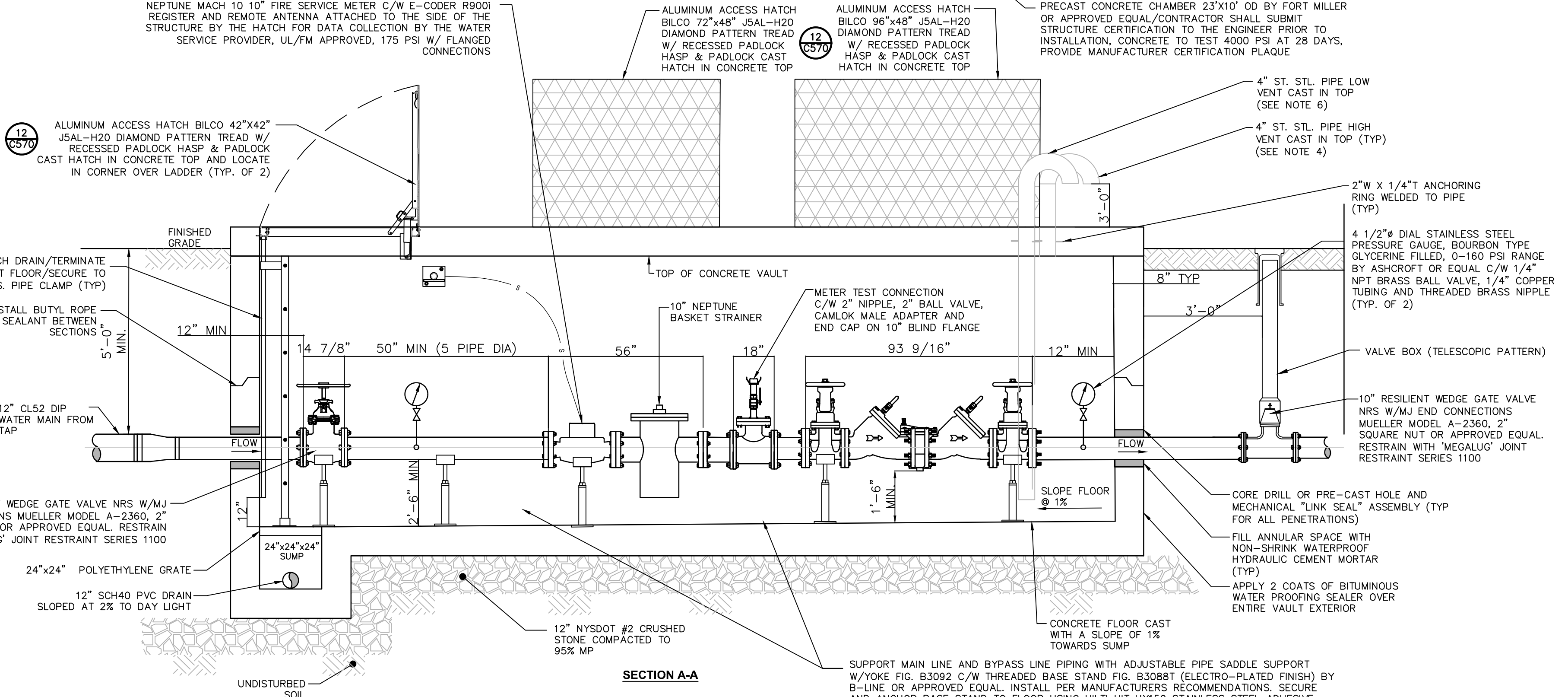
TESTING WATER MAINS:

- THE CONTRACTOR SHALL SUBMIT A TESTING PLAN FOR FLOODING, PRESSURE TESTING, LEAKAGE TESTING AND DISINFECTION OF WATER MAINS TO BE APPROVED BY THE ENGINEER PRIOR TO COMMENCING TESTING AND INSTALLATION.
- AFTER TRENCH HAS BEEN BACKFILLED, HYDROSTATIC ACCEPTANCE TESTS, CONSISTING OF A PRESSURE TEST AND A LEAKAGE TEST, SHALL BE PERFORMED ON ALL SECTIONS OF WATER MAINS INSTALLED. LEAKAGE TEST SHALL BE CONDUCTED CONCURRENTLY WITH PRESSURE TEST. TEST SECTION SHALL BE LIMITED TO ABOUT 2,000 FT (MAX) OR FOR EACH DIFFERENT PIPE MATERIAL SEGMENT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- AFTER ALL TESTS AND INSPECTIONS HAVE BEEN PERFORMED EVIDENCE OF COMPLIANCE SHALL BE FORWARDED TO OWNER/ENGINEER AND THE MUNICIPALITY PRIOR TO ACCEPTANCE.
- ALL WATER FOR TESTS SHALL BE FURNISHED AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. SOURCE AND/OR QUALITY OF WATER WHICH THE CONTRACTOR PROPOSES TO USE IN TESTING LINES SHALL BE ACCEPTABLE TO THE ENGINEER.
- HYDROSTATIC PRESUMPTIVE TESTS MAY BE PERFORMED WHEN SYSTEM IS PARTIALLY BACKFILLED TO SIMPLY CHECK WORK, BUT ACCEPTANCE OF SYSTEM SHALL BE BASED ON HYDROSTATIC TESTS RUN ON FINISHED SYSTEM AFTER IT HAS BEEN COMPLETELY BACKFILLED.
- HYDROSTATIC TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING, AS MODIFIED HEREIN:
6.1. SECTION 8 OF AWWA STANDARD C901, LATEST EDITION, FOR DUCTILE-IRON MAINS.
6.2. SECTION 7 OF AWWA STANDARD C900, LATEST EDITION, FOR PVC MAINS.
6.3. CHAPTER 9 OF AWWA STANDARD M55, LATEST EDITION, FOR HOPE MAINS.
- FOR PRESSURE TESTING OF DUCTILE-IRON MAINS, THE SYSTEM SHALL BE PRESSURIZED AND MAINTAINED AT A MINIMUM OF 150 POUNDS PER SQUARE INCH OR 1.5 TIMES THE WORKING PRESSURE, WHICHEVER IS GREATER, BASED ON THE ELEVATION OF THE LOWEST POINT IN THE SECTION BEING TESTED AND CORRECTED TO THE ELEVATION OF THE GAUGE. PROVISIONS SHALL BE MADE TO RELIEVE AIR TRAPPED AT HIGH POINTS IN THE SYSTEM THROUGH ADJACENT HYDRANTS OR THROUGH TAPS AND CORPORATION STOPS INSTALLED FOR THIS PURPOSE BY THE CONTRACTOR. AFTER SAID PRESSURE HAS BEEN MAINTAINED SUCCESSFULLY WITH FURTHER PUMPING AS REQUIRED, FOR A PERIOD OF AT LEAST TWO HOURS, THE SECTION UNDER TEST SHALL BE CONSIDERED TO HAVE PASSED THE PRESSURE TEST.
- FOR PRESSURE TESTING OF PVC MAINS, THE SYSTEM SHALL BE PRESSURIZED AND MAINTAINED AT A MINIMUM OF 1.25 TIMES THE MAXIMUM ANTICIPATED SUSTAINED WORKING PRESSURE AT THE HIGHEST POINT ALONG THE TEST SECTION UNLESS THE PRESSURE EXCEEDS THE DESIGN PRESSURE LIMIT FOR ANY PIPE. THRUST RESTRAINT, VALVE FITTING, OR OTHER APPURTENANCE OF THE TEST SECTION & NOT LESS THAN 1.5 TIMES THE STATED SUSTAINED WORKING PRESSURE AT THE LOWEST ELEVATION OF THE TEST SECTION. PROVISIONS SHALL BE MADE TO RELIEVE AIR TRAPPED AT HIGH POINTS IN THE SYSTEM THROUGH ADJACENT HYDRANTS OR THROUGH TAPS AND CORPORATIONS STOPS INSTALLED FOR THIS PURPOSE BY THE CONTRACTOR. AFTER SAID PRESSURE HAS BEEN MAINTAINED SUCCESSFULLY WITH FURTHER PUMPING AS REQUIRED, FOR A PERIOD OF AT LEAST FOUR HOURS, THE SECTION UNDER TEST SHALL BE CONSIDERED TO HAVE PASSED THE PRESSURE TEST.
- FOR PRESSURE TESTING OF HOPE MAINS, THE SYSTEM SHALL BE PRESSURIZED AND MAINTAINED AT 1.5 TIMES THE DESIGN WORKING PRESSURE AT THE ELEVATION OF THE LOWEST POINT IN THE SECTION BEING TESTED AND CORRECTED TO THE ELEVATION OF THE GAUGE. PROVISIONS SHALL BE MADE TO RELIEVE AIR TRAPPED AT HIGH POINTS IN THE SYSTEM THROUGH ADJACENT HYDRANTS OR THROUGH TAPS AND CORPORATIONS STOPS INSTALLED FOR THIS PURPOSE BY THE CONTRACTOR. AFTER SAID PRESSURE HAS BEEN MAINTAINED SUCCESSFULLY WITH FURTHER PUMPING AS REQUIRED, FOR A PERIOD OF AT LEAST FOUR HOURS, THE SECTION UNDER TEST SHALL BE CONSIDERED TO HAVE PASSED THE PRESSURE TEST.
- LEAKAGE TEST SHALL BE PERFORMED CONCURRENTLY USING A MINIMUM TEST PRESSURE OF 150 LBS/SQ INCH OR 1.5 TIMES THE WORKING PRESSURE, WHICHEVER IS GREATER, BASED ON THE ELEVATION OF THE LOWEST POINT IN THE SECTION UNDER TEST AND CORRECTED TO ELEVATION OF THE GAUGE. LEAKAGE TEST DURATION SHALL BE A MINIMUM OF 2 HOURS AFTER LEAKAGE RATE HAS STABILIZED.
- MAXIMUM ALLOWABLE LEAKAGE SHALL BE AS SHOWN IN THE FOLLOWING TABLE:
ALLOWABLE LEAKAGE PER 1,000 FT (305M) OF PIPELINE (GPH)

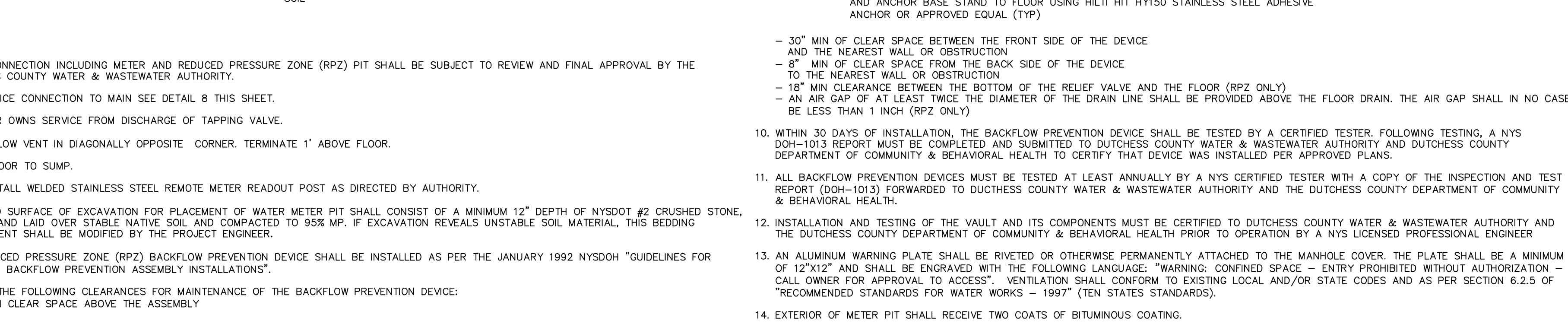
AVG. TEST PRESSURE (PSI)	4	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	248	256	264	272	280	288	296	304	312	320	328	336	344	352	360	368	376	384	392	400																																																																																																																																																																																																																																																																																																																	
4	0.57	0.86	1.15	1.43	1.72	2.01	2.29	2.57	2.85	3.14	3.42	3.70	3.98	4.26	4.54	4.82	5.10	5.38	5.66	5.94	6.22	6.50	6.78	7.06	7.34	7.62	7.90	8.18	8.46	8.74	9.02	9.30	9.58	9.86	10.14	10.42	10.70	10.98	11.26	11.54	11.82	12.10	12.38	12.66	12.94	13.22	13.50	13.78	14.06	14.34	14.62	14.90	15.18	15.46	15.74	16.02	16.30	16.58	16.86	17.14	17.42	17.70	17.98	18.26	18.54	18.82	19.10	19.38	19.66	19.94	20.22	20.50	20.78	21.06	21.34	21.62	21.90	22.18	22.46	22.74	23.02	23.30	23.58	23.86	24.14	24.42	24.70	24.98	25.26	25.54	25.82	26.10	26.38	26.66	26.94	27.22	27.50	27.78	28.06	28.34	28.62	28.90	29.18	29.46	29.74	30.02	30.30	30.58	30.86	31.14	31.42	31.70	31.98	32.26	32.54	32.82	33.10	33.38	33.66	33.94	34.22	34.50	34.78	35.06	35.34	35.62	35.90	36.18	36.46	36.74	37.02	37.30	37.58	37.86	38.14	38.42	38.70	38.98	39.26	39.54	39.82	40.10	40.38	40.66	40.94	41.22	41.50	41.78	42.06	42.34	42.62	42.90	43.18	43.46	43.74	44.02	44.30	44.58	44.86	45.14	45.42	45.70	45.98	46.26	46.54	46.82	47.10	47.38	47.66	47.94	48.22	48.50	48.78	49.06	49.34	49.62	49.90	50.18	50.46	50.74	51.02	51.30	51.58	51.86	52.14	52.42	52.70	52.98	53.26	53.54	53.82	54.10	54.38	54.66	54.94	55.22	55.50	55.78	56.06	56.34	56.62	56.90	57.18	57.46	57.74	58.02	58.30	58.58	58.86	59.14	59.42	59.70	59.98	60.26	60.54	60.82	61.10	61.38	61.66	61.94	62.22	62.50	62.78	63.06	63.34	63.62	63.90	64.18	64.46	64.74	65.02	65.30	65.58	65.86	66.14	66.42	66.70	66.98	67.26	67.54	67.82	68.10	68.38	68.66	68.94	69.22	69.50	69.78	70.06	70.34	70.62	70.90	71.18	71.46	71.74	72.02	72.30	72.58	72.86	73.14	73.42	73.70	73.98	74.26	74.54	74.82	75.10	75.38	75.66	75.94	76.22	76.50	76.78	77.06	77.34	77.62	77.90	78.18	78.46	78.74	79.02	79.30	79.58	79.86	80.14	80.42	80.70	80.98	81.26	81.54	81.82	82.10	82.38	82.66	82.94	83.22	83.50	83.78	84.06	84.34	84.62	84.90	85.18	85.46	85.74	86.02	86.30	86.58	86.86	87.14	87.42	87.70	87.98	88.26	88.54	88.82	89.10	89.38	89.66	89.94	90.22	90.50	90.78	91.06	91.34	91.62	91.90	92.18	92.46	92.74	93.02	93.30	93.58	93.86	94.14	94.42	94.70	94.98	95.26	95.54	95.82	96.10	96.38	96.66	96.94	97.22	97.50	97.78	98.06	98.34	98.62	98.90	99.18	99.46	99.74	100.02



PLAN VIEW



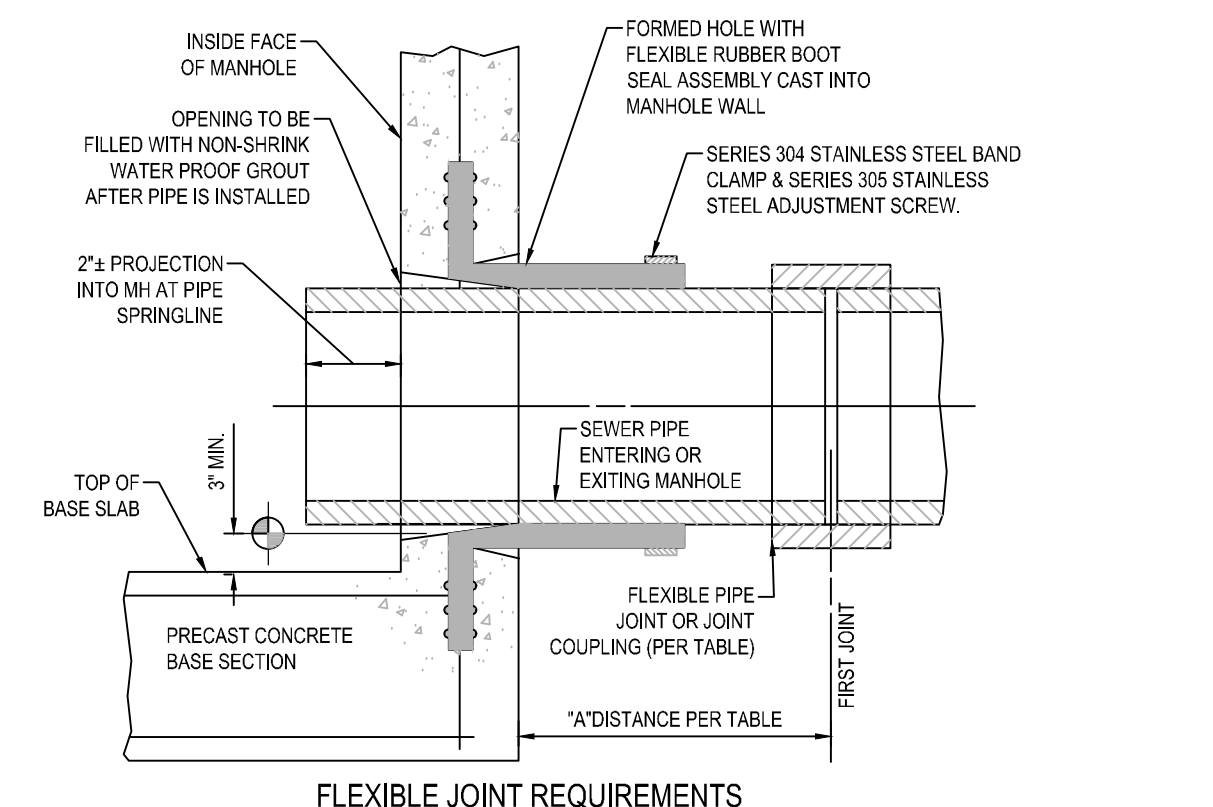
SECTION A-A



NOTES:

- WATER CONNECTION INCLUDING METER AND REDUCED PRESSURE ZONE (RPZ) PIT SHALL BE SUBJECT TO REVIEW AND FINAL APPROVAL BY THE DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY.
- FOR SERVICE CONNECTION TO MAIN SEE DETAIL B THIS SHEET.
- CUSTOMER OWNS SERVICE FROM DISCHARGE OF TAPPING VALVE.
- PROVIDE LOW VENT IN DIAGONALLY OPPOSITE CORNER. TERMINATE 1' ABOVE FLOOR.
- SLOPE FLOOR TO SUMP.
- FIELD INSTALLED WELDED STAINLESS STEEL REMOTE METER READOUT POST AS DIRECTED BY AUTHORITY.
- PREPARED SURFACE OF EXCAVATION FOR PLACEMENT OF WATER METER PIT SHALL CONSIST OF A MINIMUM 12" DEPTH OF NYSDOT #2 CRUSHED STONE, LEVELED AND LAID OVER STABLE NATIVE SOIL AND COMPACTED TO 95% MP. IF EXCAVATION REVEALS UNSTABLE SOIL MATERIAL, THIS BEDDING REQUIREMENT SHALL BE MODIFIED BY THE PROJECT ENGINEER.
- THE REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED AS PER THE JANUARY 1992 NYSDOH "GUIDELINES FOR DESIGNING BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS".
- PROVIDE THE FOLLOWING CLEARANCES FOR MAINTENANCE OF THE BACKFLOW PREVENTION DEVICE:
- 12" MIN CLEAR SPACE ABOVE THE ASSEMBLY
- 30" MIN OF CLEAR SPACE BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION
- 8" MIN OF CLEAR SPACE FROM THE BACK SIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION
- 18" MIN CLEARANCE BETWEEN THE BOTTOM OF THE RELIEF VALVE AND THE FLOOR (RPZ ONLY)
- AN AIR GAP OF AT LEAST TWICE THE DIAMETER OF THE DRAIN LINE SHALL BE PROVIDED ABOVE THE FLOOR DRAIN. THE AIR GAP SHALL IN NO CASE BE LESS THAN 1 INCH (RPZ ONLY)
- WITHIN 30 DAYS OF INSTALLATION, THE BACKFLOW PREVENTION DEVICE SHALL BE TESTED BY A CERTIFIED TESTER. FOLLOWING TESTING, A NYS DOH-1013 REPORT MUST BE COMPLETED AND SUBMITTED TO DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY AND DUTCHESS COUNTY DEPARTMENT OF COMMUNITY & BEHAVIORAL HEALTH TO CERTIFY THAT DEVICE WAS INSTALLED PER APPROVED PLANS.
- ALL BACKFLOW PREVENTION DEVICES MUST BE TESTED AT LEAST ANNUALLY BY A NYS CERTIFIED TESTER WITH A COPY OF THE INSPECTION AND TEST REPORT (DOH-1013) FORWARDED TO DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY AND THE DUTCHESS COUNTY DEPARTMENT OF COMMUNITY & BEHAVIORAL HEALTH.
- INSTALLATION AND TESTING OF THE VAULT AND ITS COMPONENTS MUST BE CERTIFIED TO DUTCHESS COUNTY WATER & WASTEWATER AUTHORITY AND THE DUTCHESS COUNTY DEPARTMENT OF COMMUNITY & BEHAVIORAL HEALTH PRIOR TO OPERATION BY A NYS LICENSED PROFESSIONAL ENGINEER.
- AN ALUMINUM WARNING PLATE SHALL BE RIVETED OR OTHERWISE PERMANENTLY ATTACHED TO THE MANHOLE COVER. THE PLATE SHALL BE A MINIMUM OF 12"x12" AND SHALL BE ENGRAVED WITH THE FOLLOWING LANGUAGE: "WARNING: CONFINED SPACE - ENTRY PROHIBITED WITHOUT AUTHORIZATION - CALL OWNER FOR APPROVAL TO ACCESS" VENTILATION SHALL CONFORM TO EXISTING LOCAL AND/OR STATE CODES AND AS PER SECTION 6.2.5 OF "RECOMMENDED STANDARDS FOR WATER WORKS - 1997" (TEN STATES STANDARDS).
- EXTERIOR OF METER PIT SHALL RECEIVE TWO COATS OF BITUMINOUS COATING.

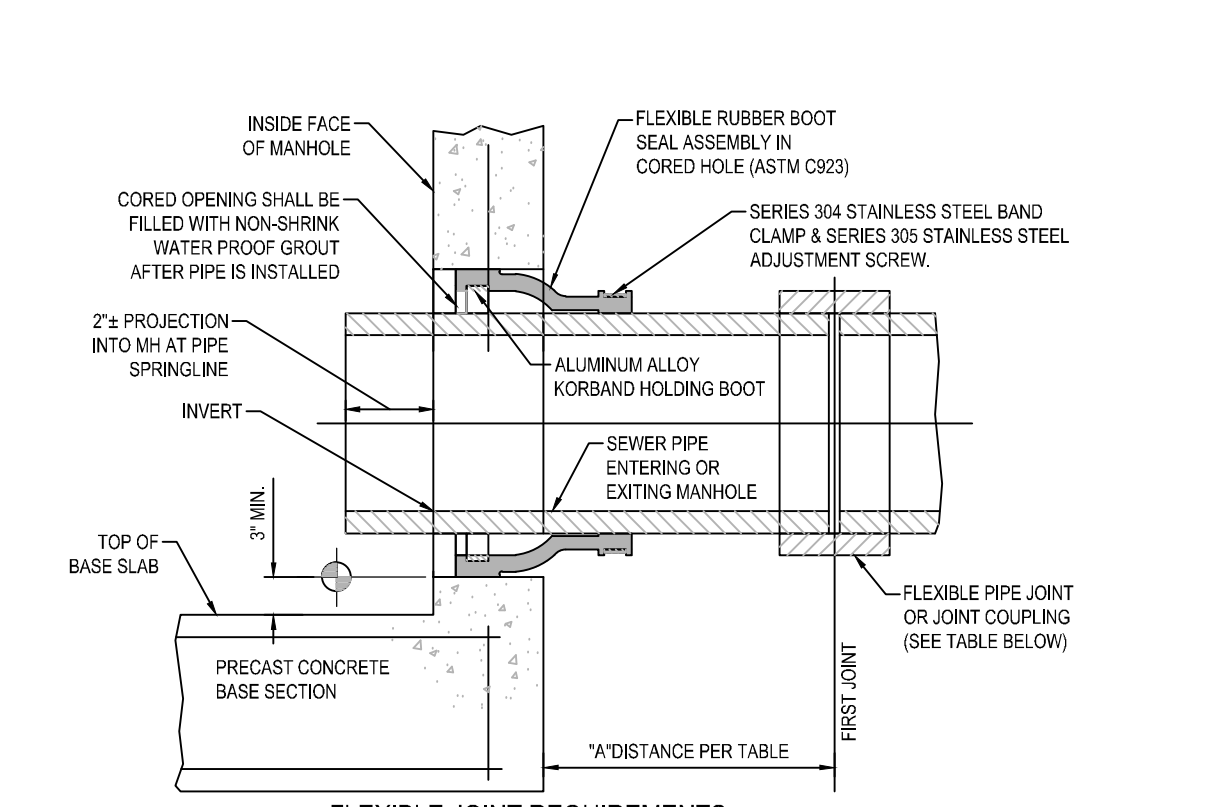
1 WATER METER & REDUCED PRESSURE ZONE (RPZ) VAULT
SCALE: NOT TO SCALE



FLEXIBLE JOINT REQUIREMENTS

SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	W/DISTANCE (FEET)
DUCTILE IRON	STD RUBBER GASKET PIPE JOINT ONLY	10' MAX
PVC	STD RUBBER GASKET PIPE JOINT ONLY	3' MAX

16 PIPE CONNECTION TO MANHOLE- FLEXIBLE RUBBER BOOT CAST INTO MANHOLE WALL
SCALE: NOT TO SCALE



FLEXIBLE JOINT REQUIREMENTS

SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	W/DISTANCE (FEET)
DUCTILE IRON	STD RUBBER GASKET PIPE JOINT ONLY	10' MAX
PVC	STD RUBBER GASKET PIPE JOINT ONLY	3' MAX

17 PIPE CONNECTION TO MANHOLE- PRECAST OR CORED HOLE W/ INSERTED FLEXIBLE BOOT
SCALE: NOT TO SCALE

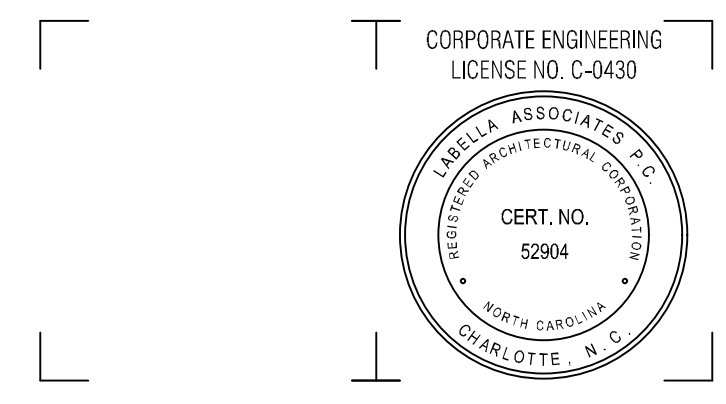
BRIDGEPORT STADIUM & MIXED USE
255 & 363 KOSSUTH STREET
BRIDGEPORT, CT 06608

NO.	DATE	DESCRIPTION
Revisions		
PROJECT NUMBER:		2230111
DRAWN BY:		GA
REVIEWED BY:		JRS
ISSUED FOR:		ISSUED FOR
DATE:		04/08/2024
DRAWING NAME:		

WATER SYSTEM DETAILS 2

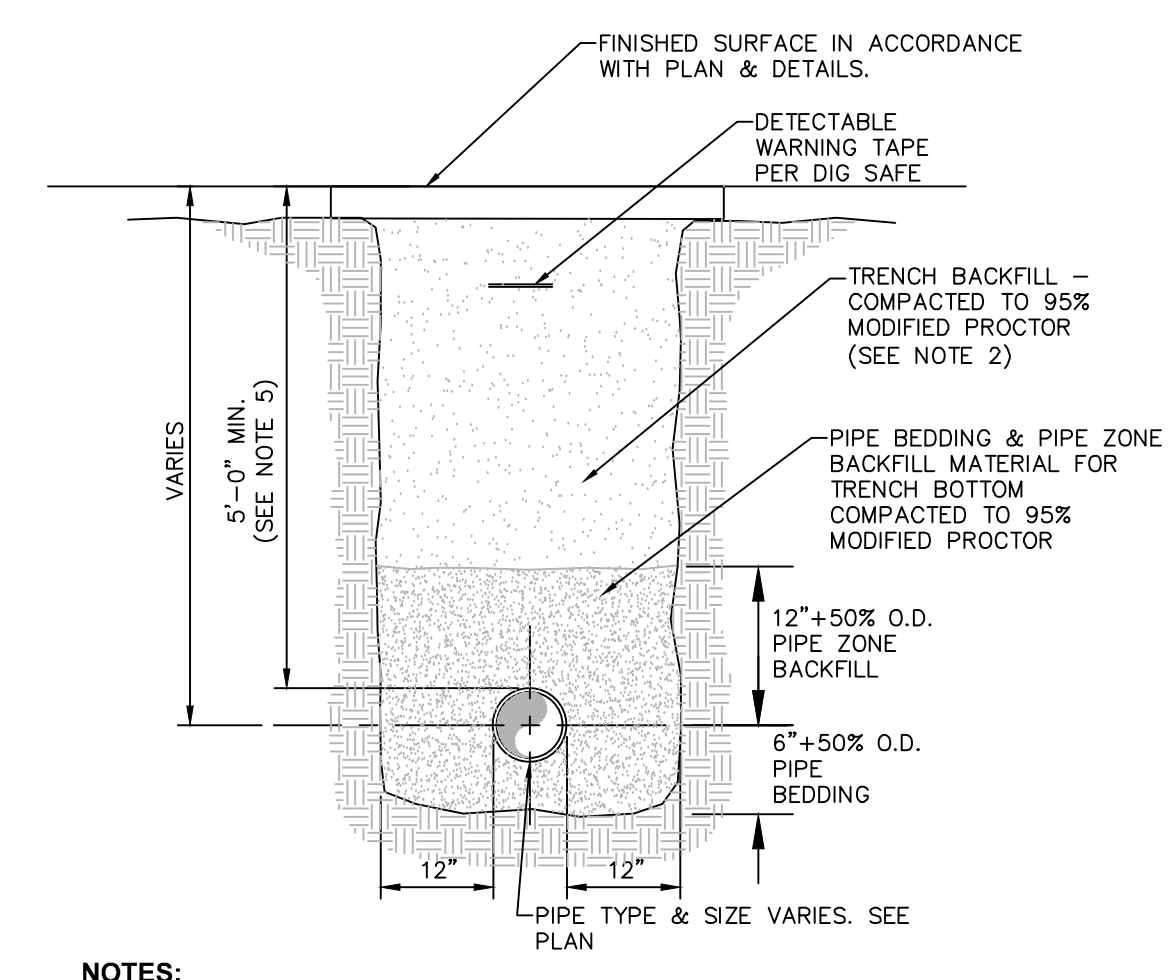
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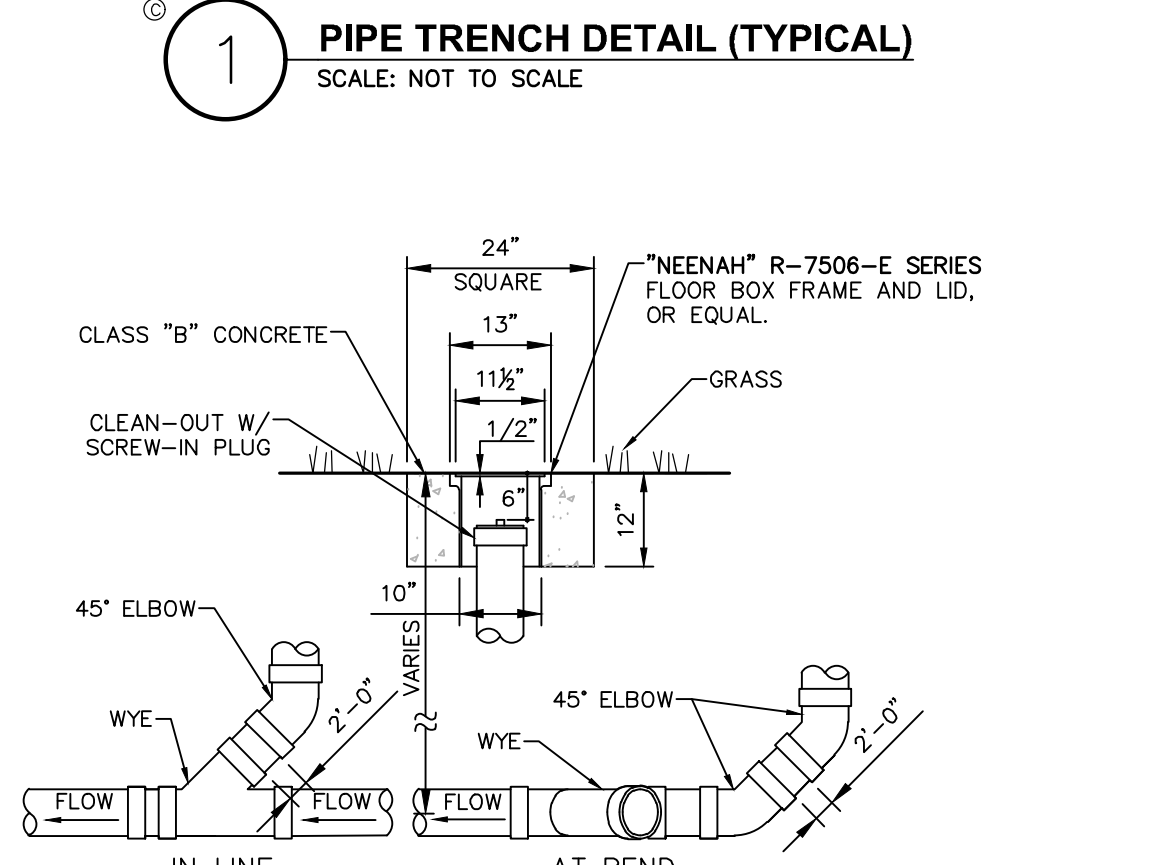


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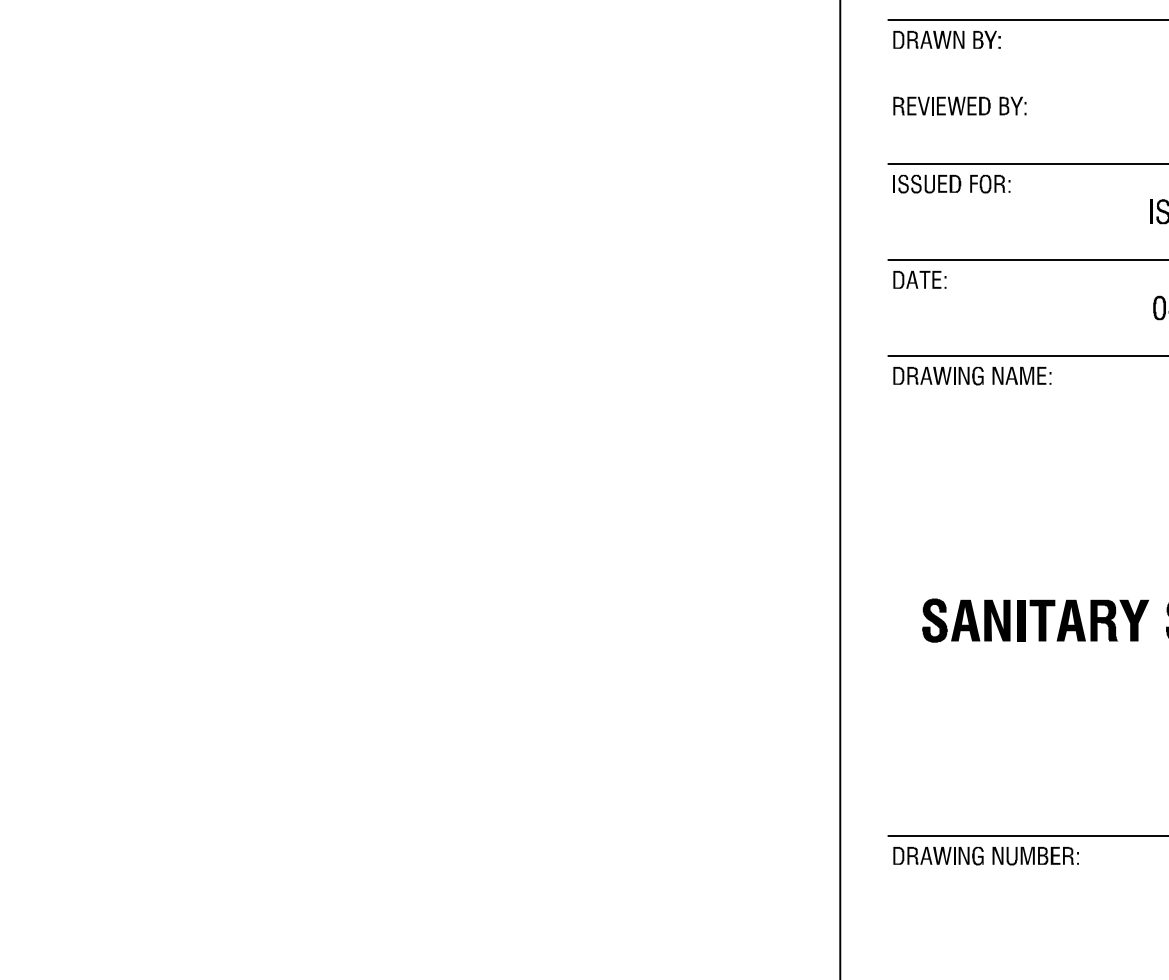
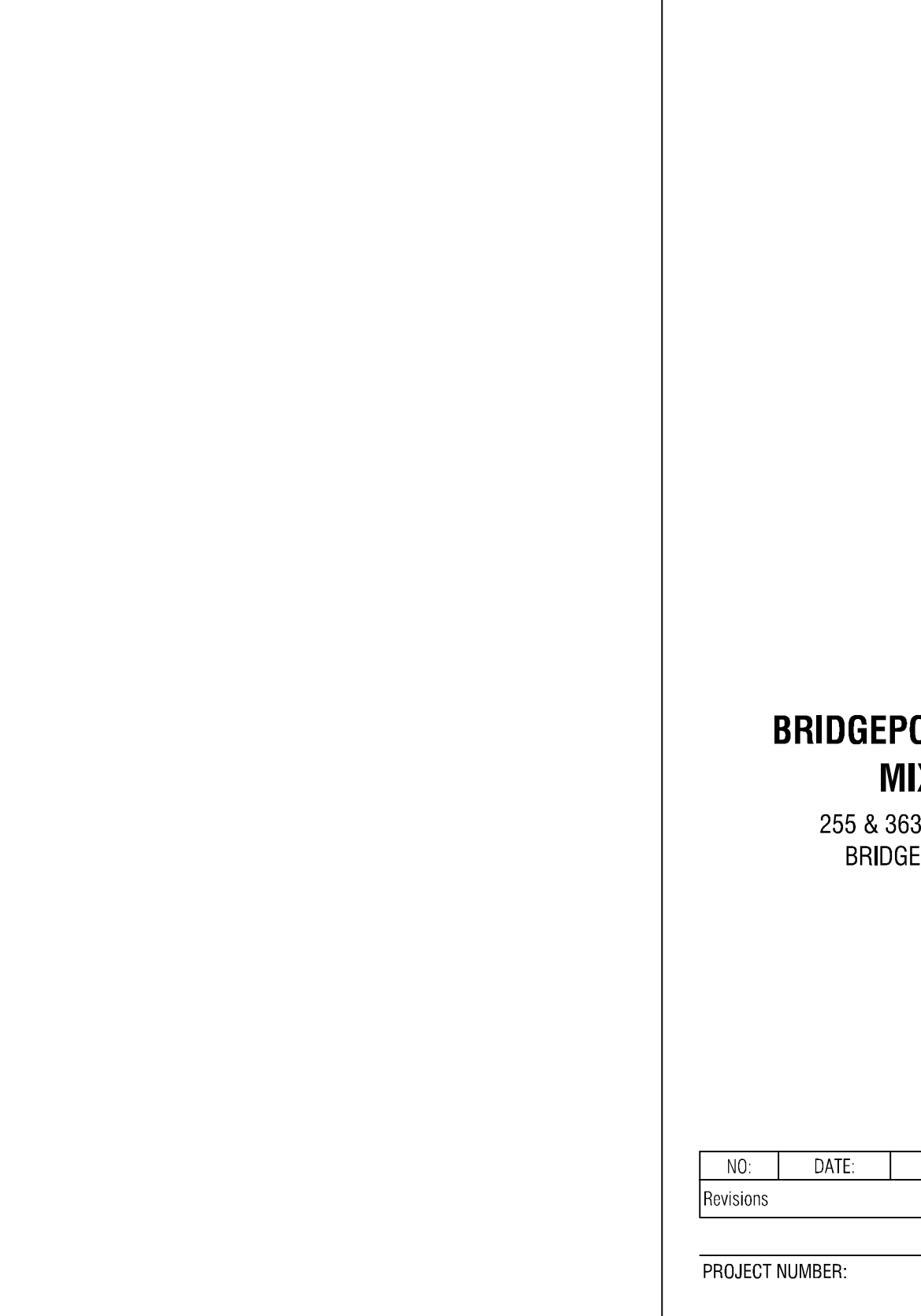
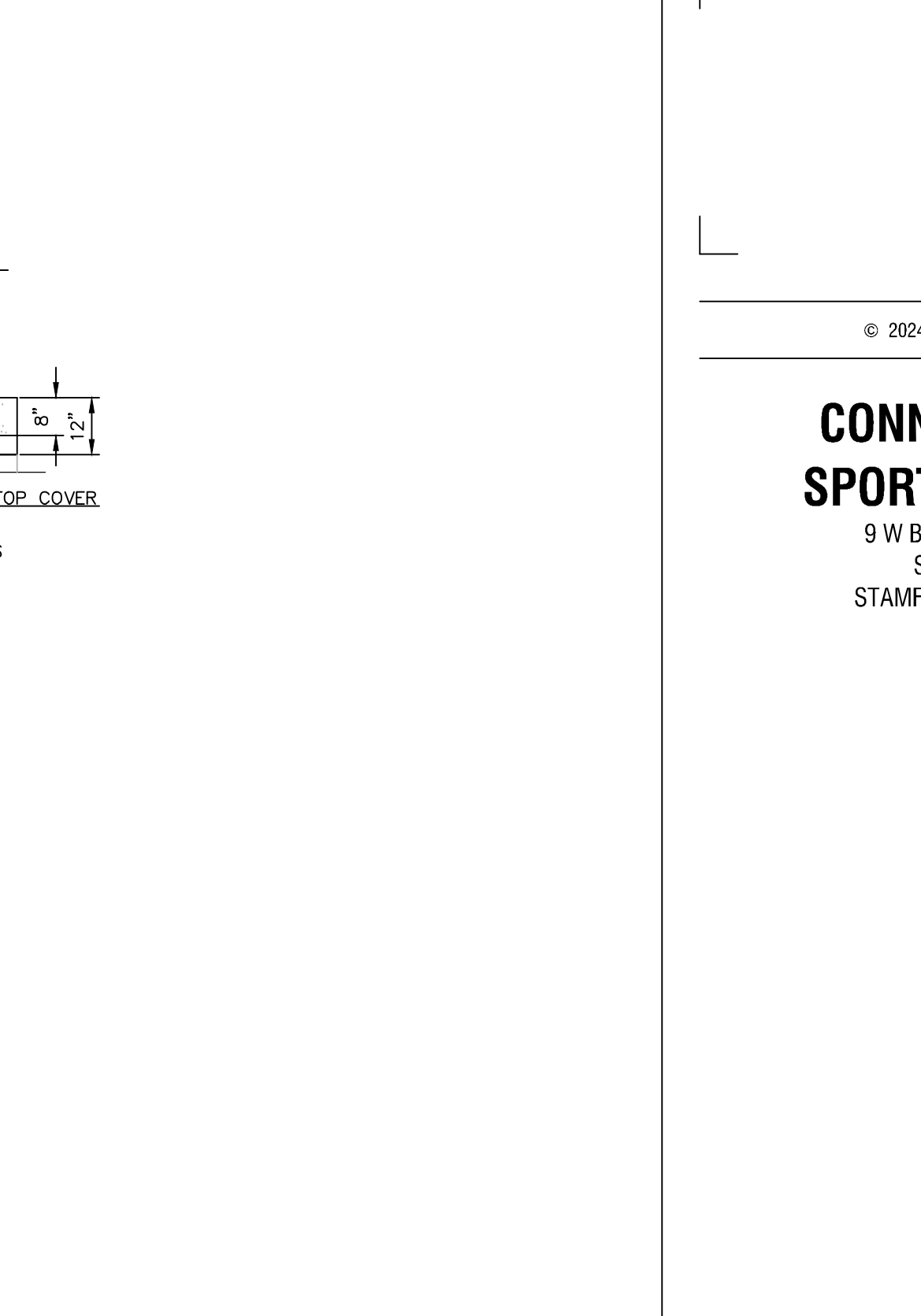
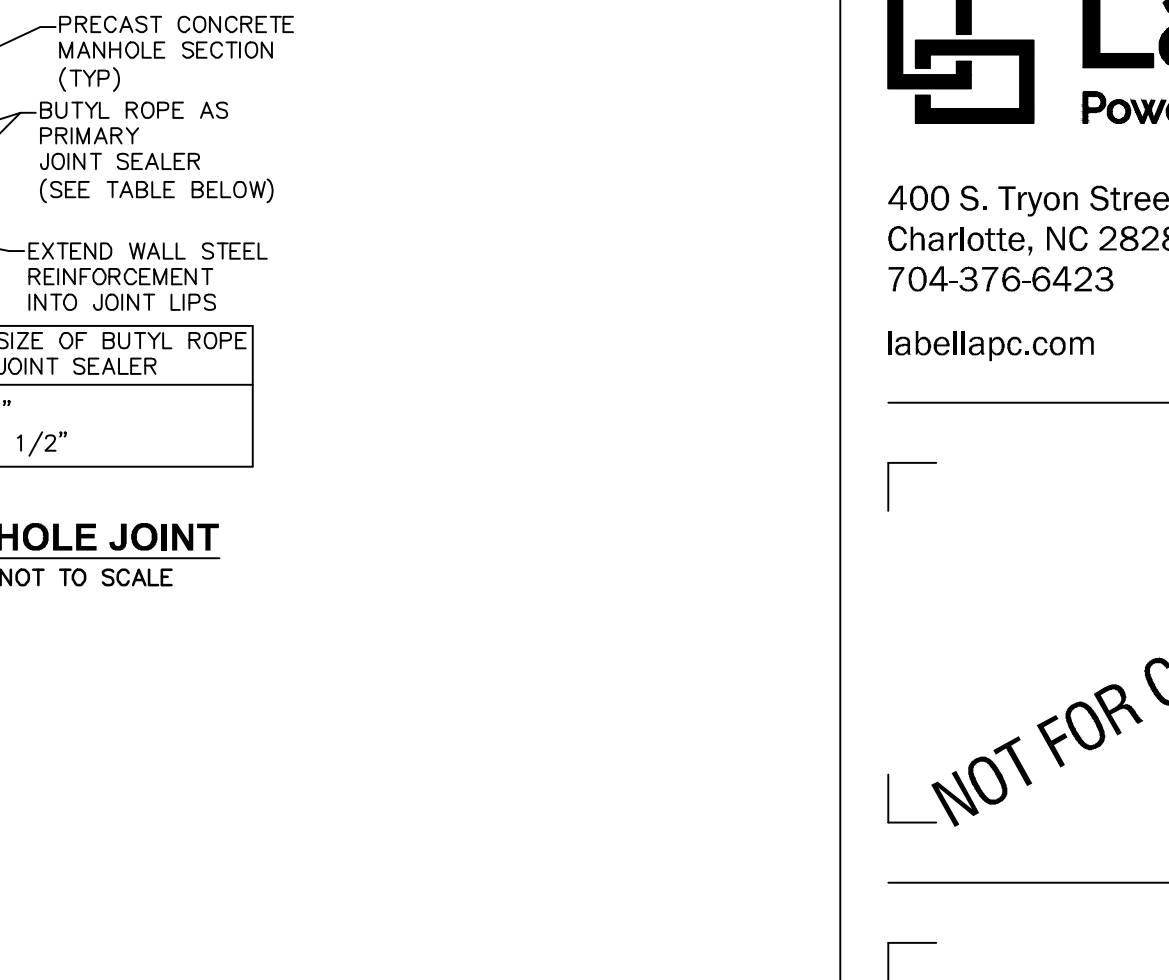
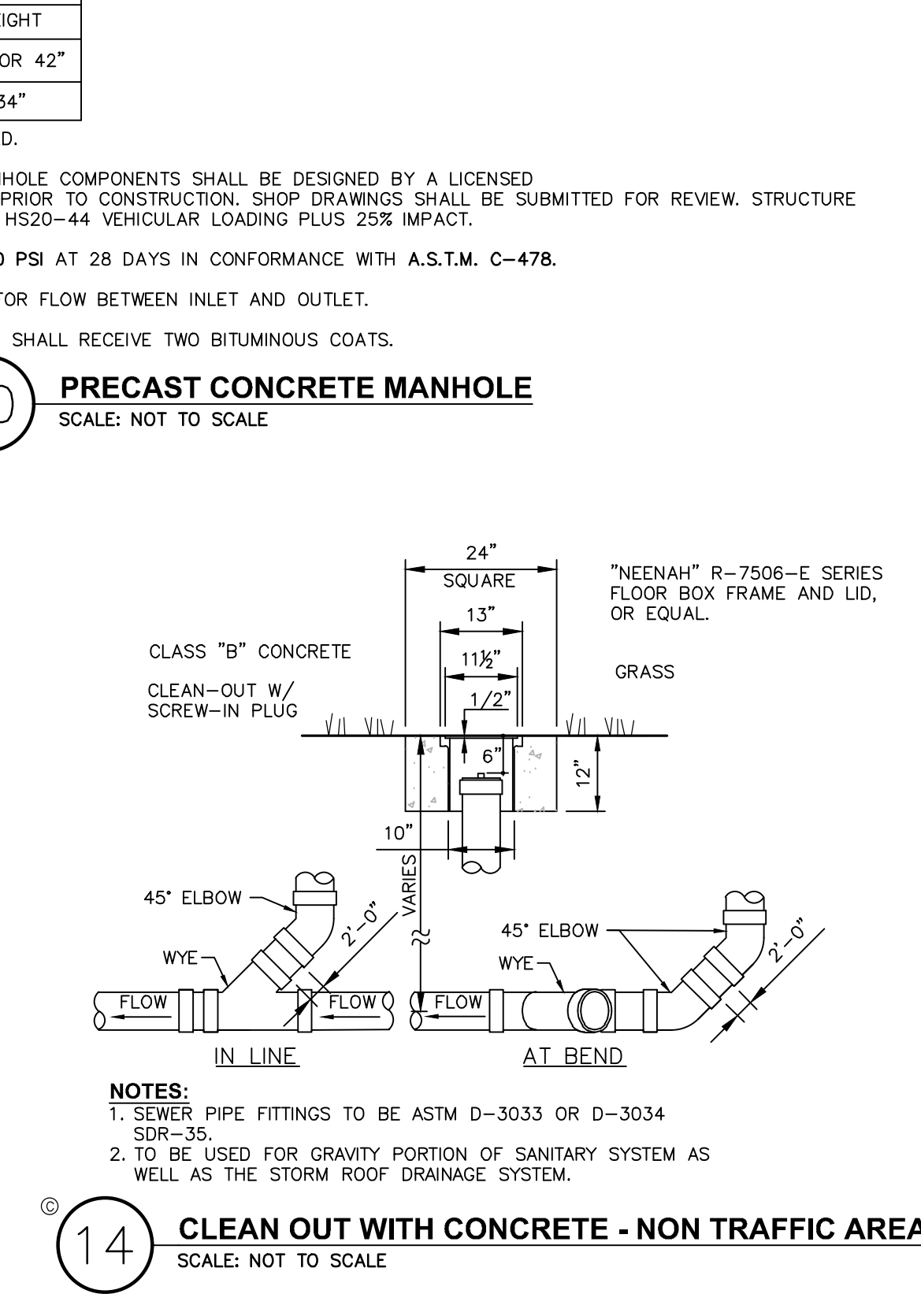
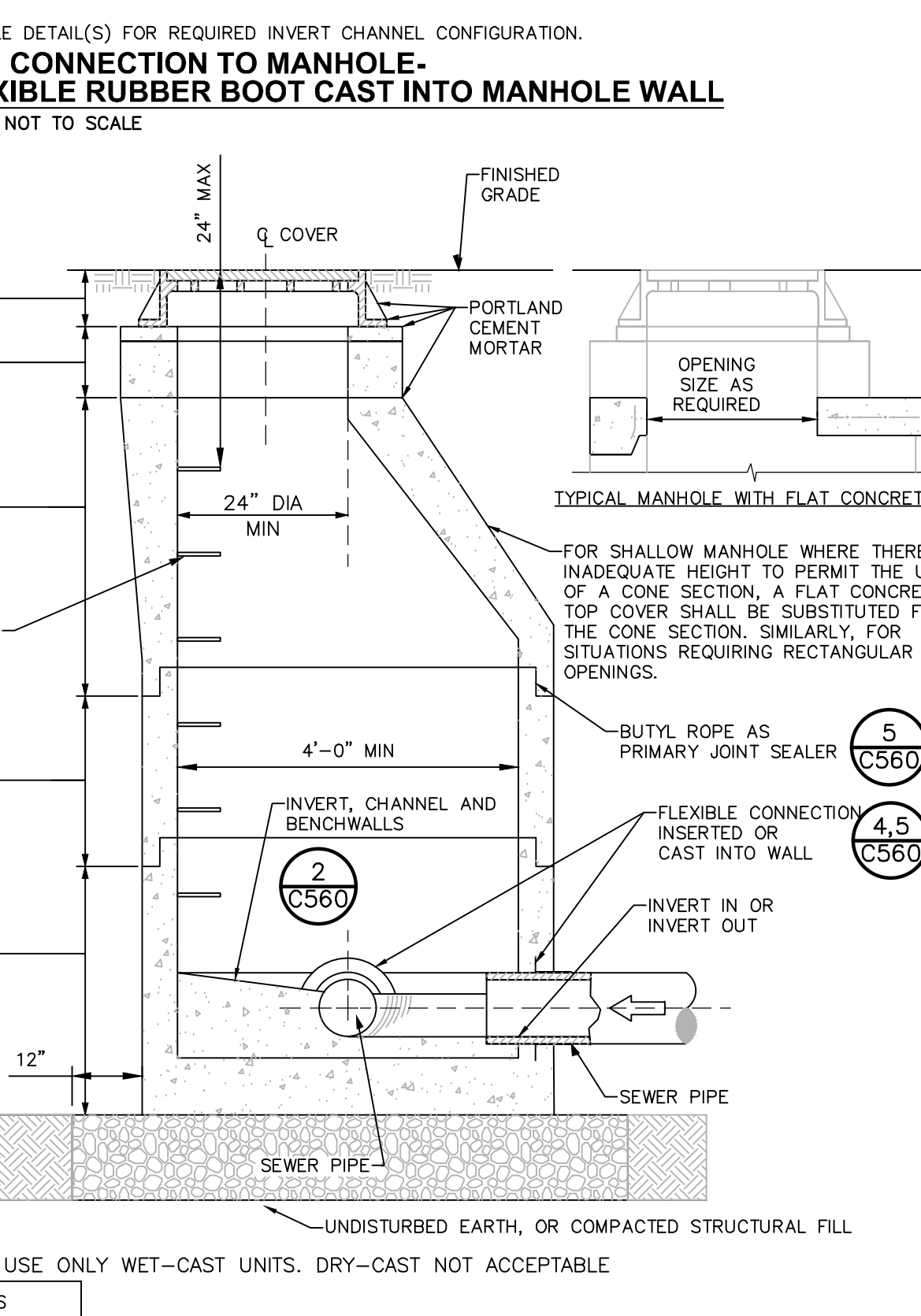
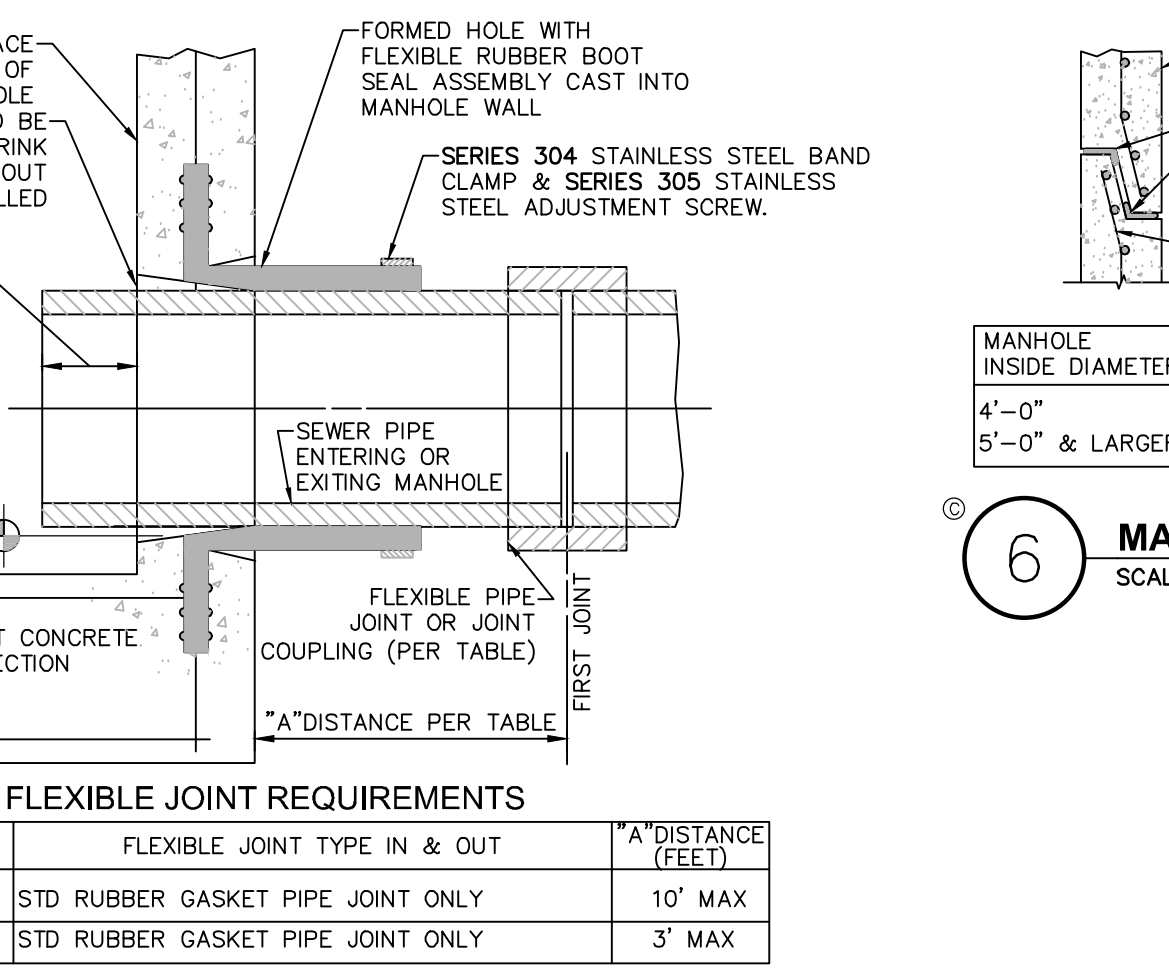
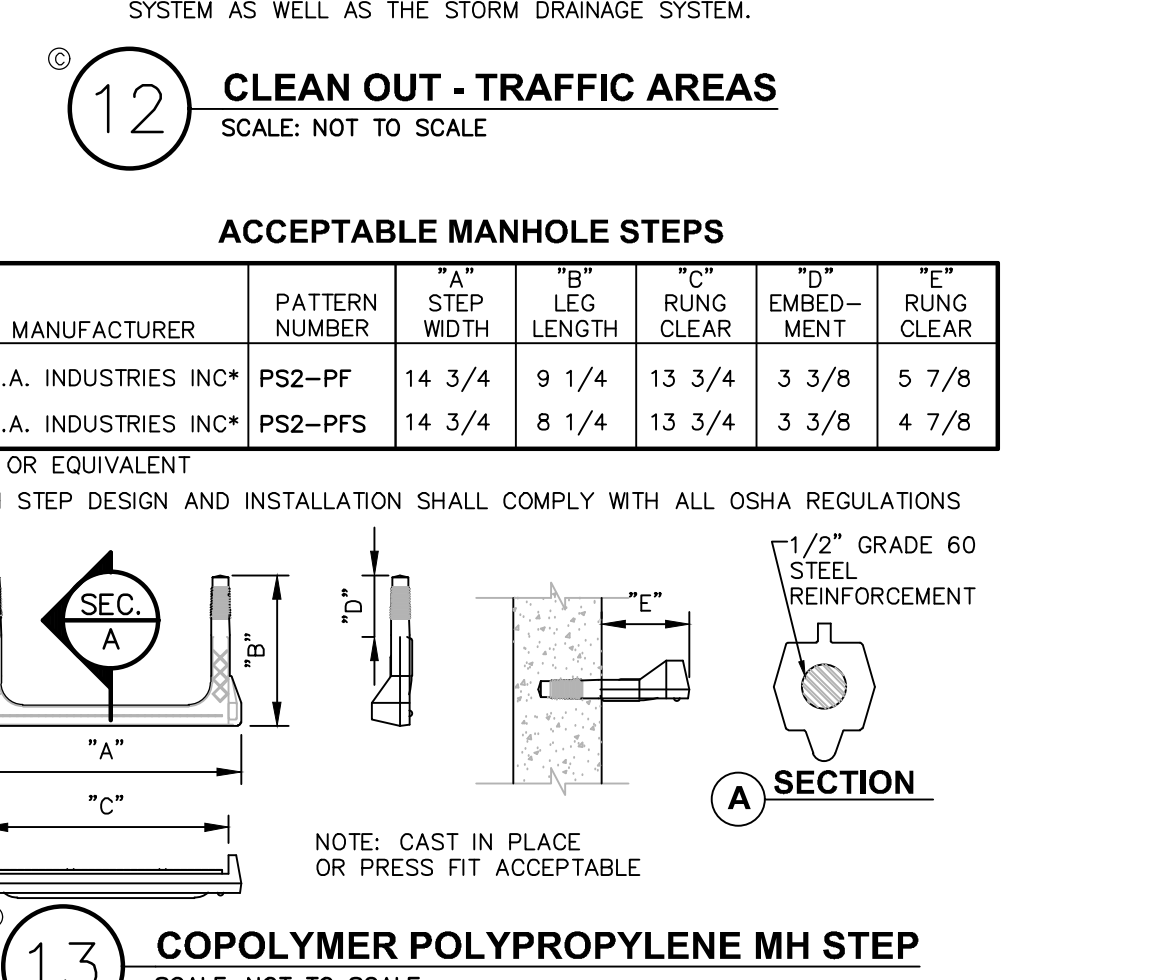
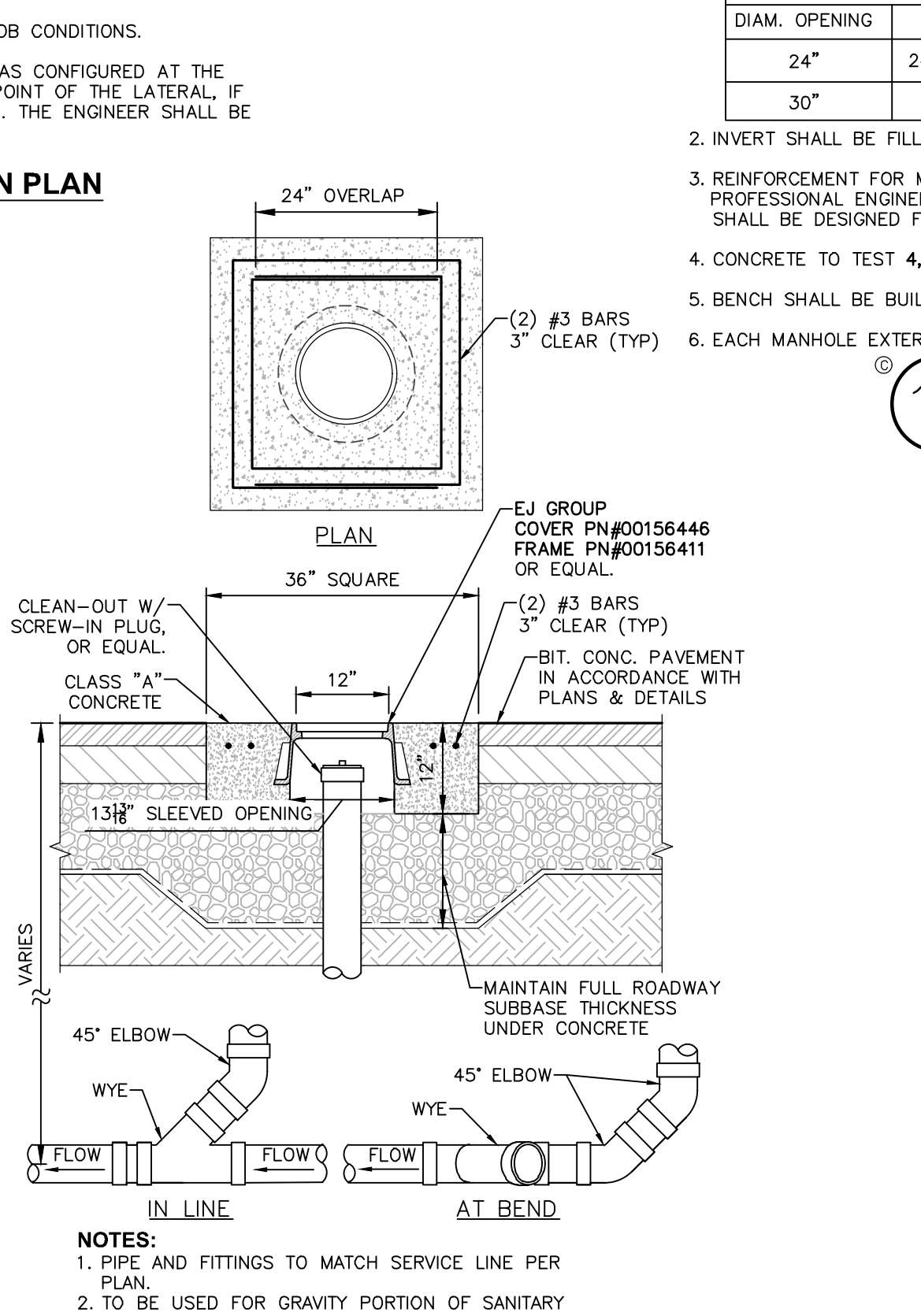
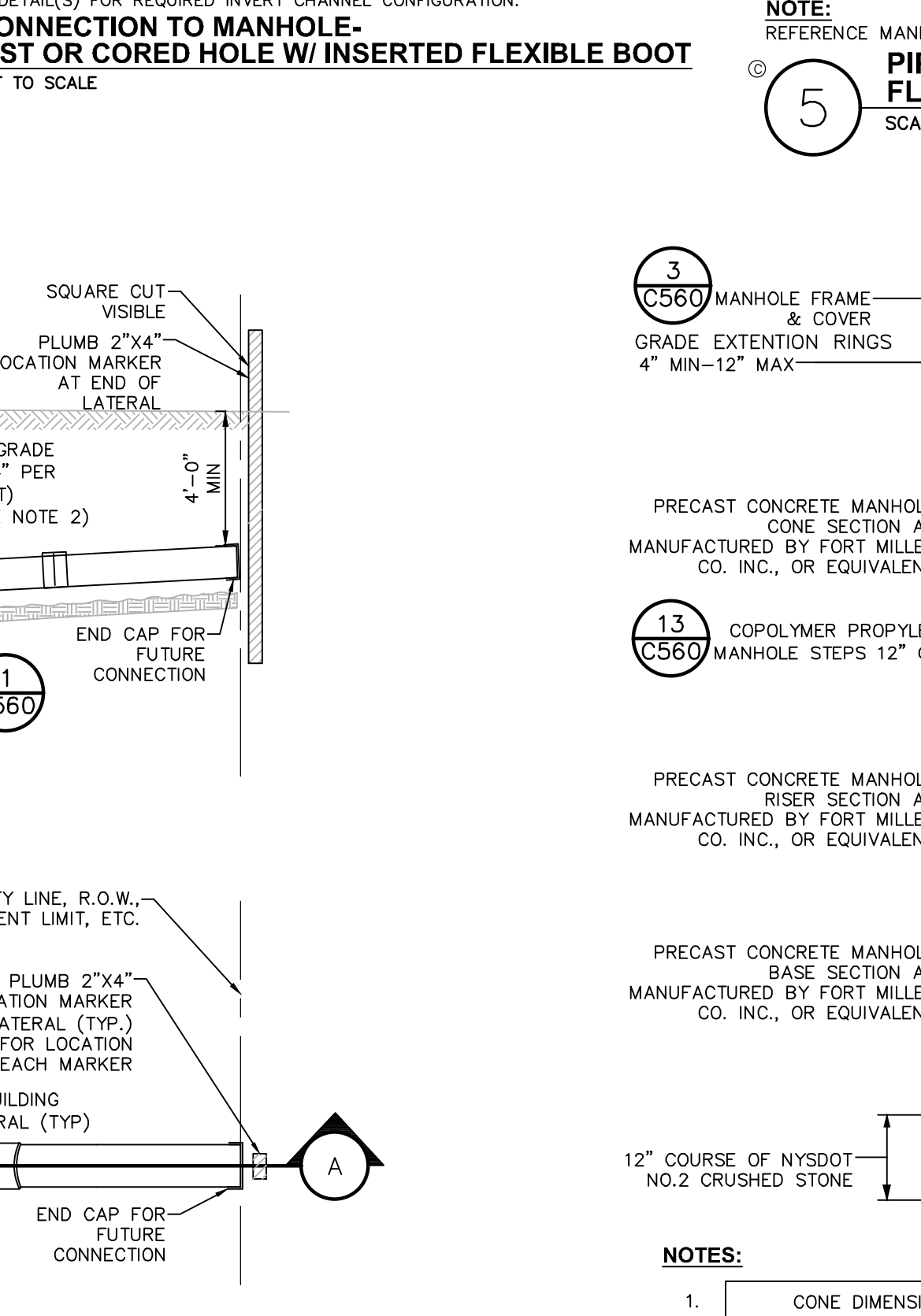
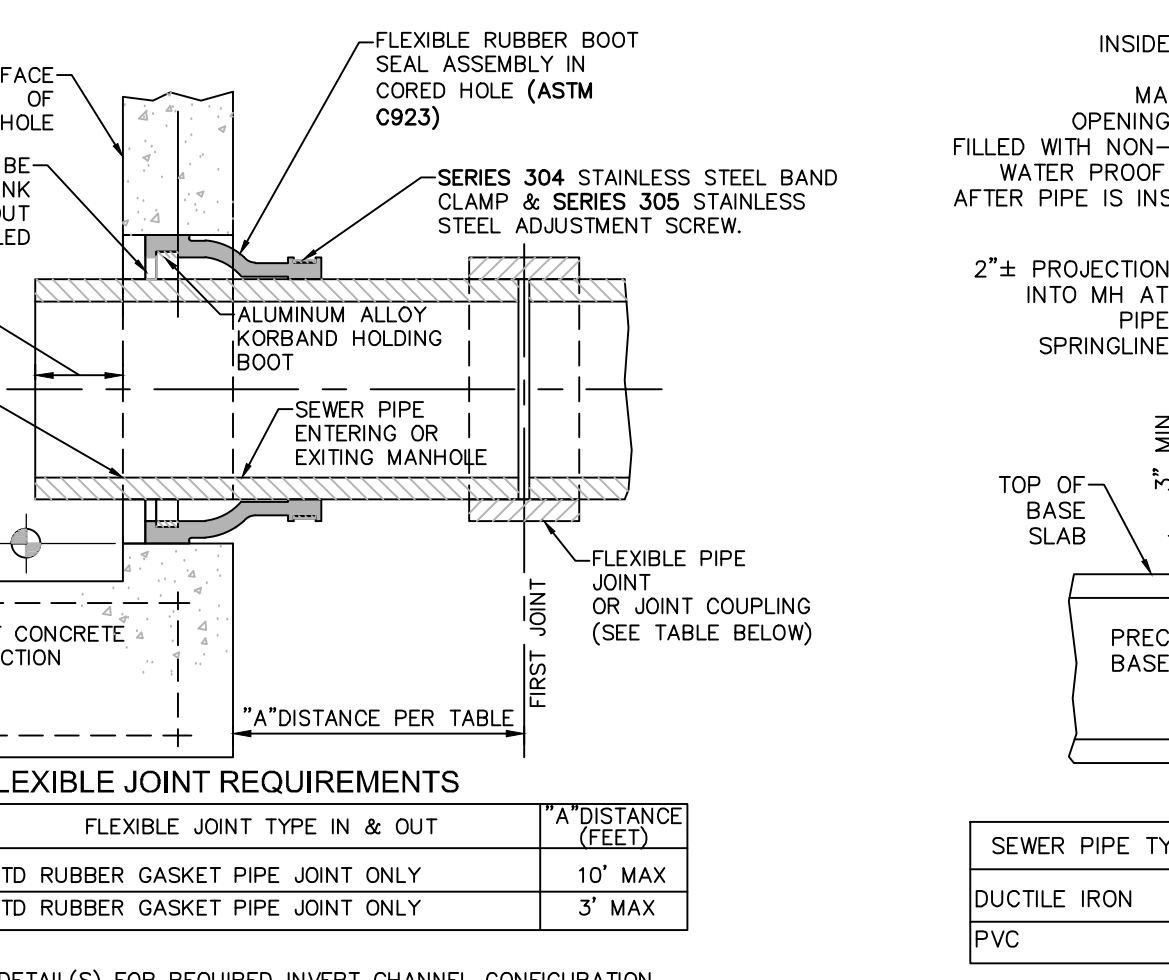
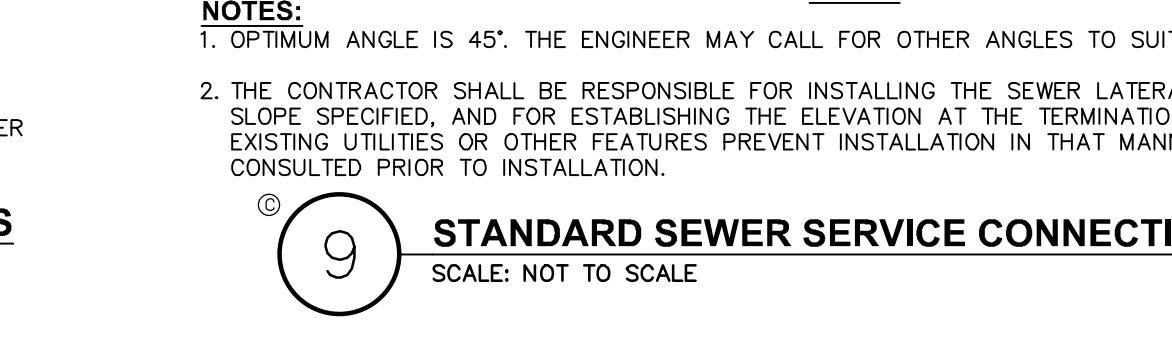
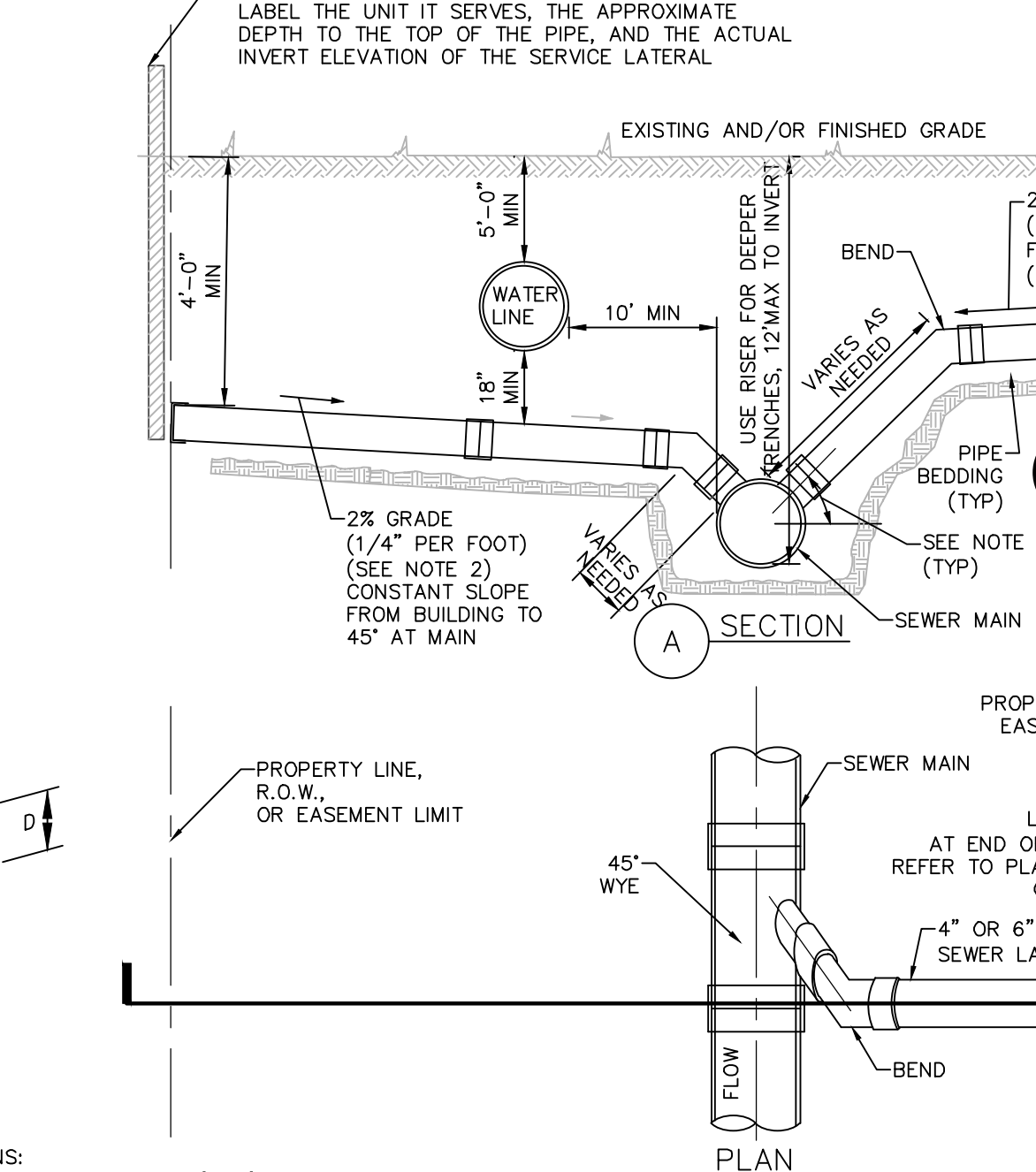
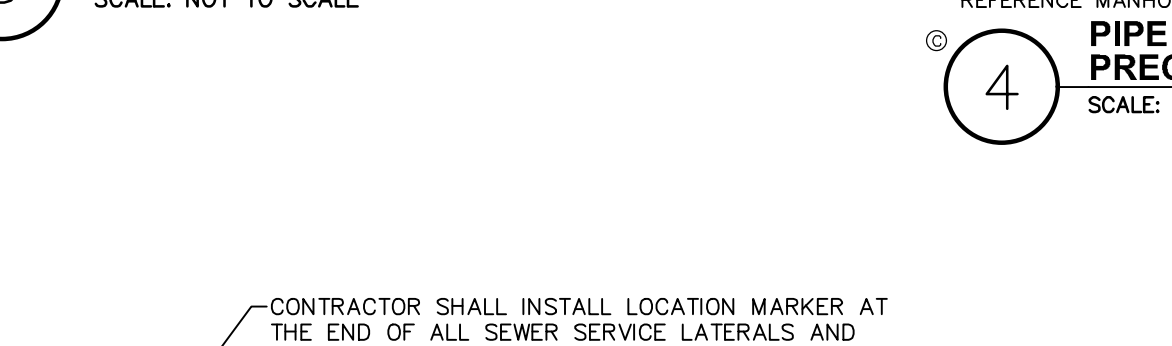
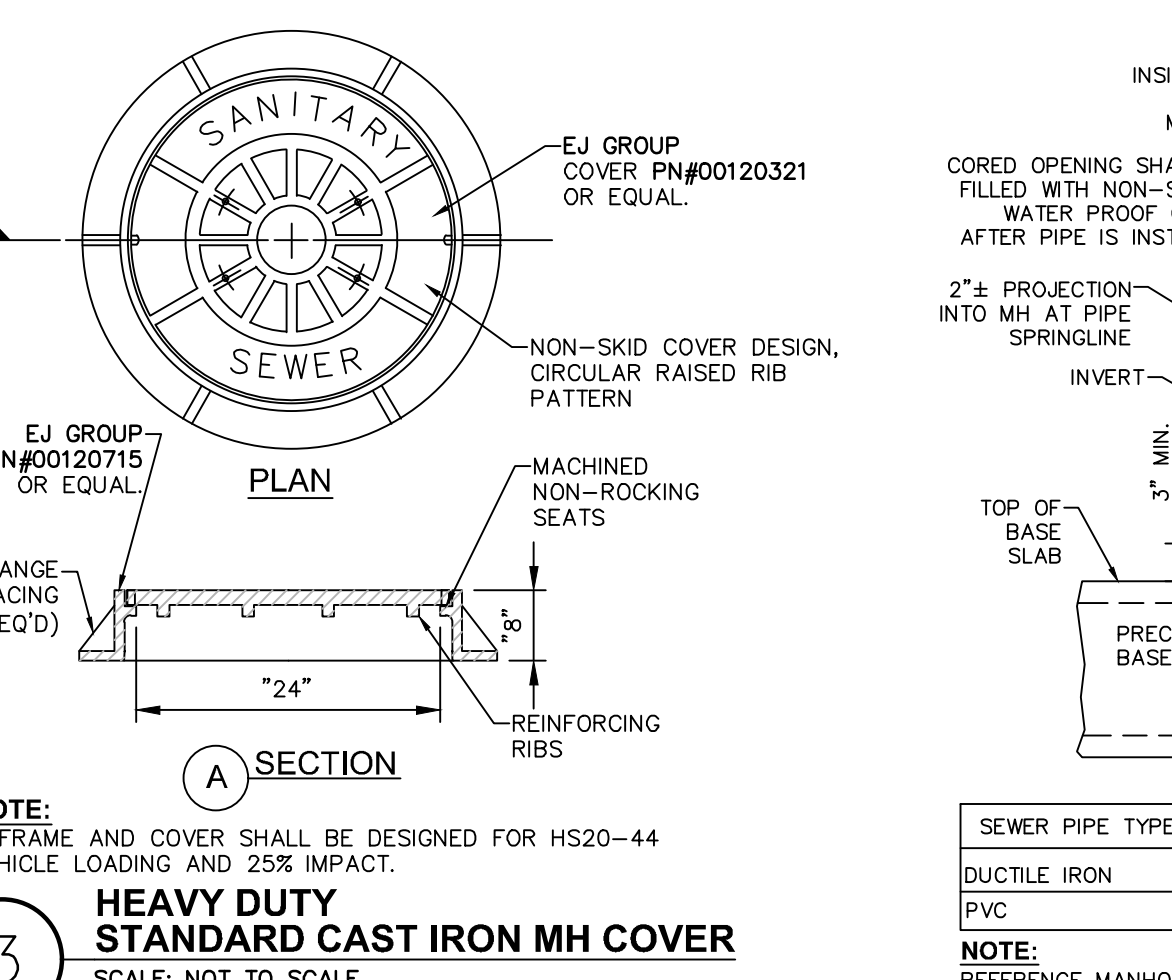
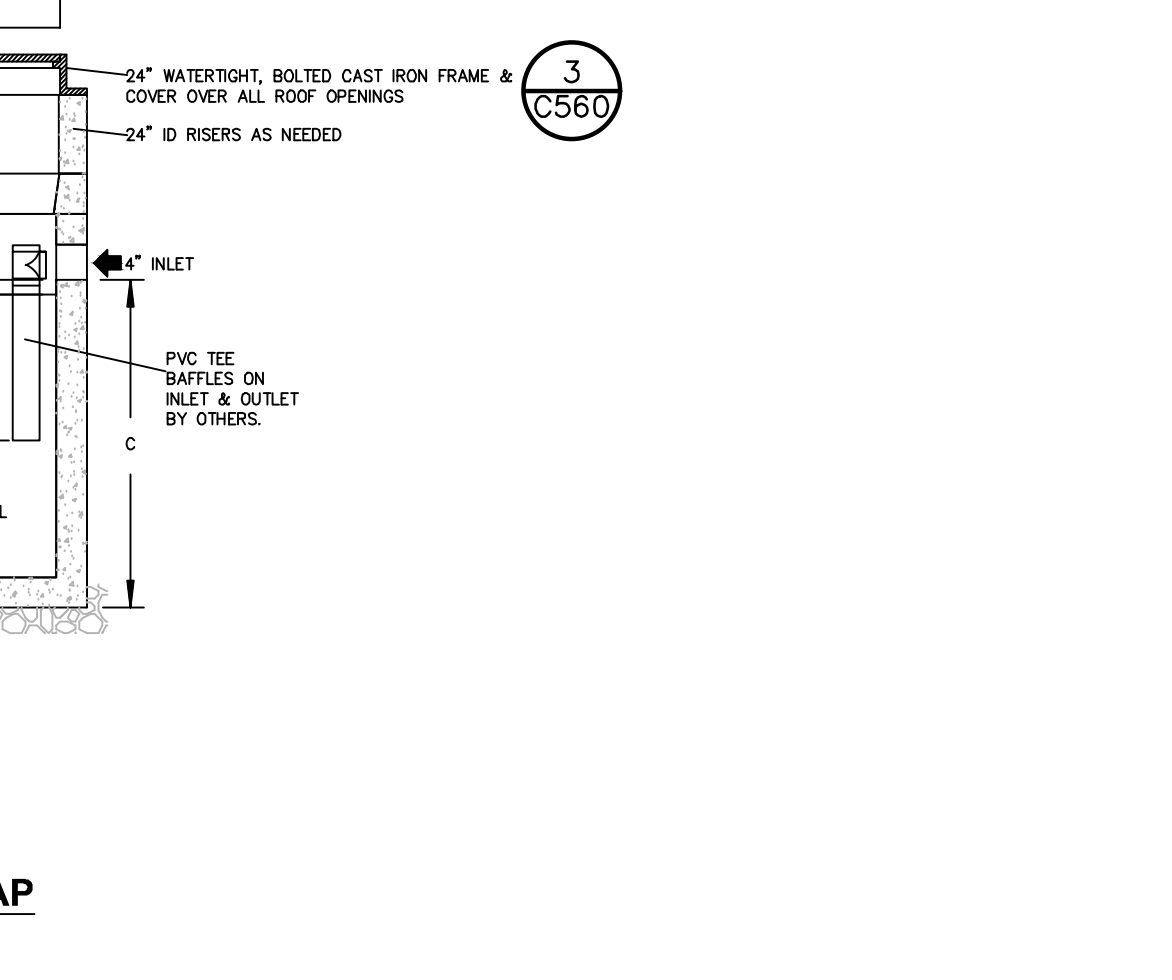
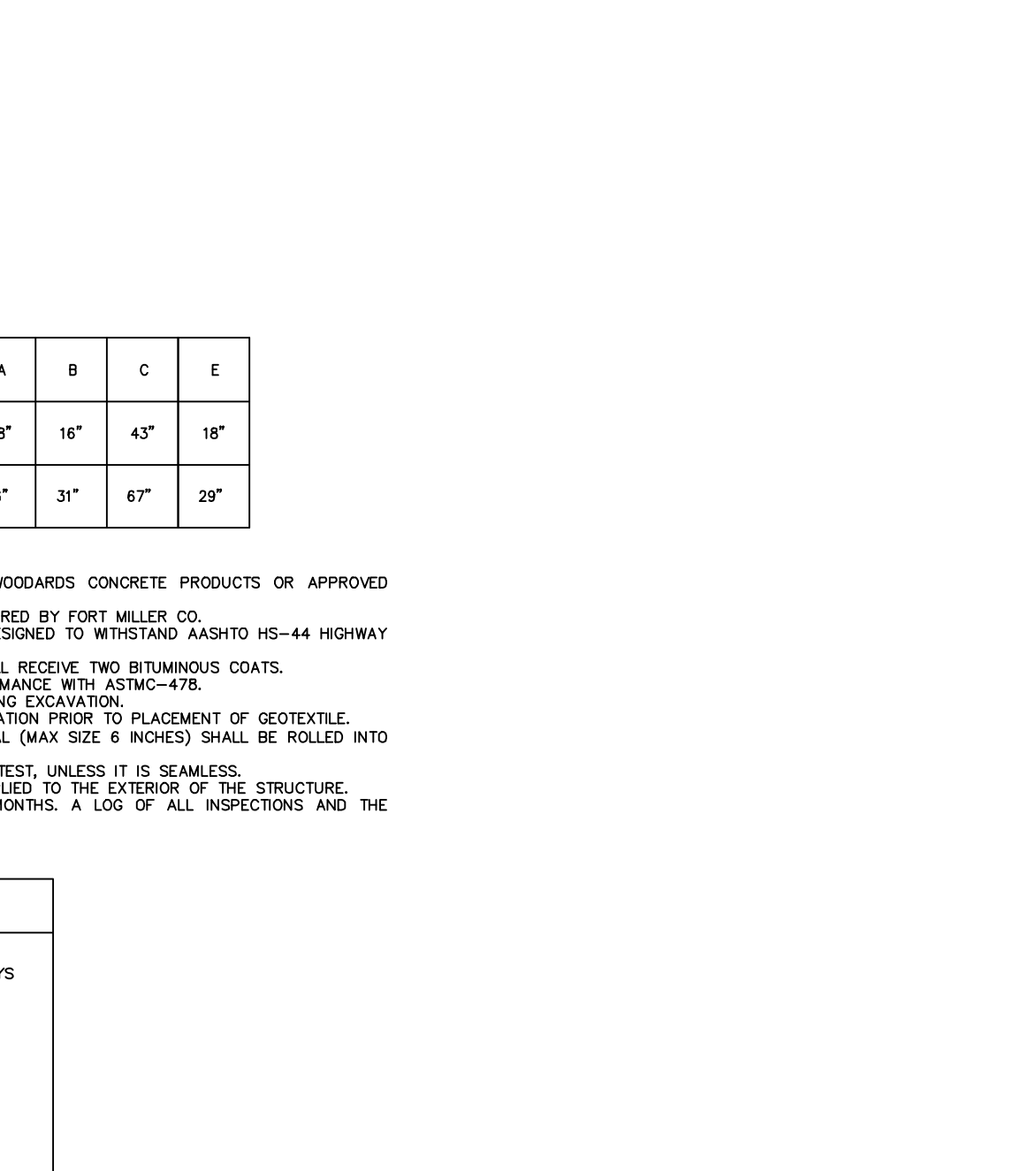
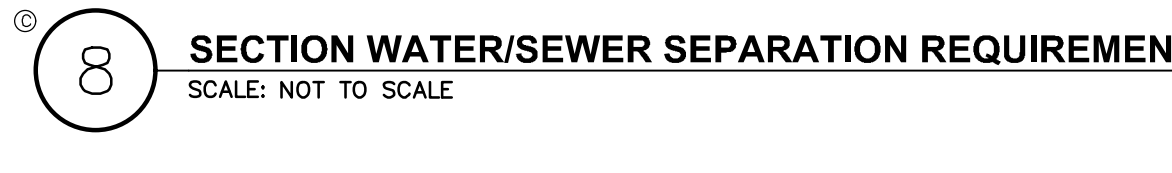
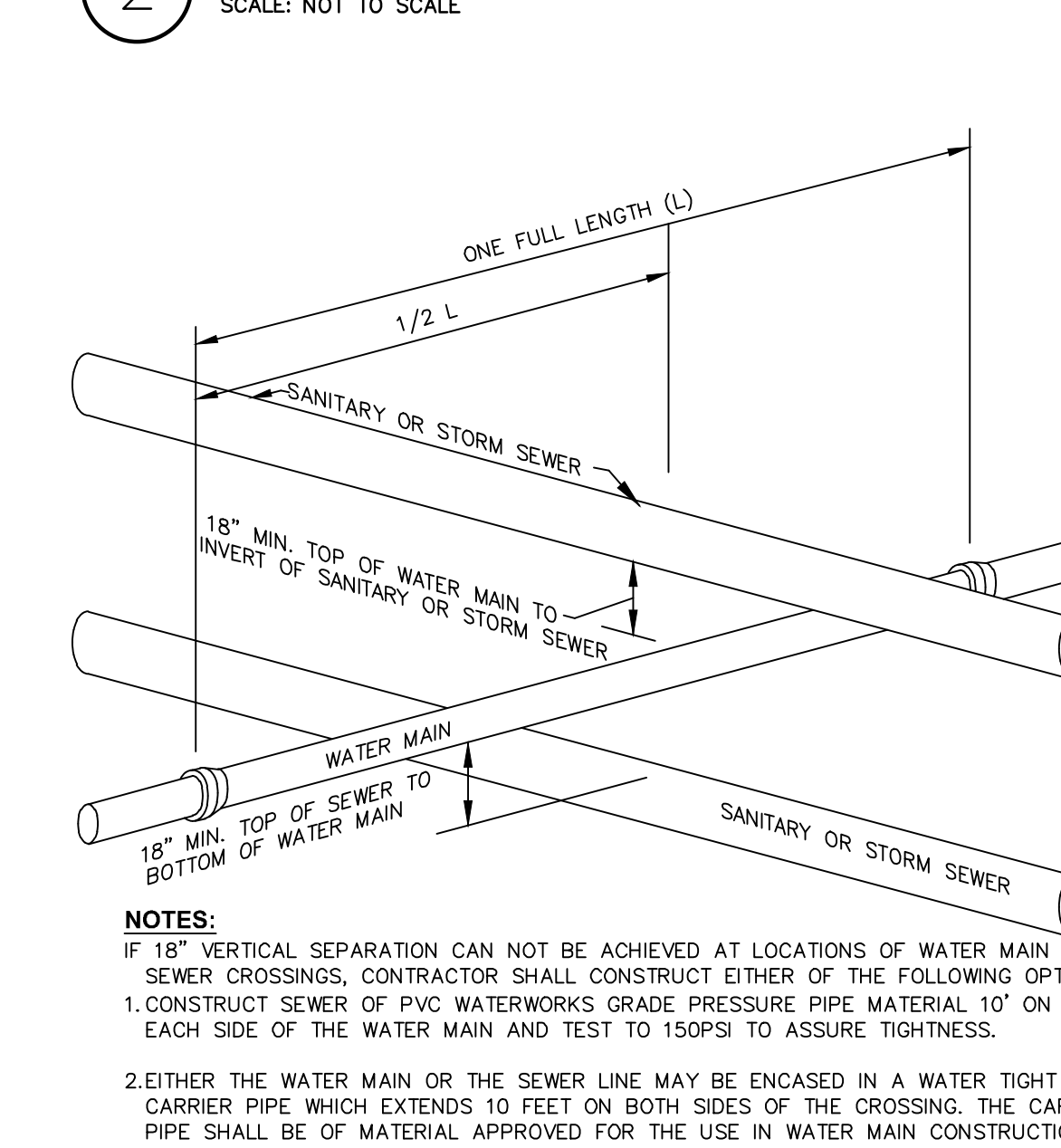
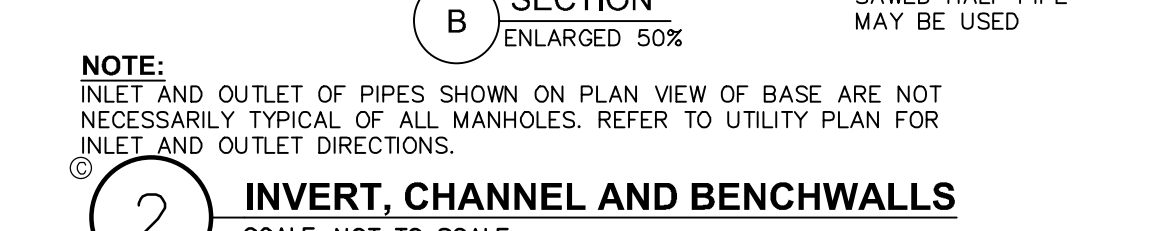
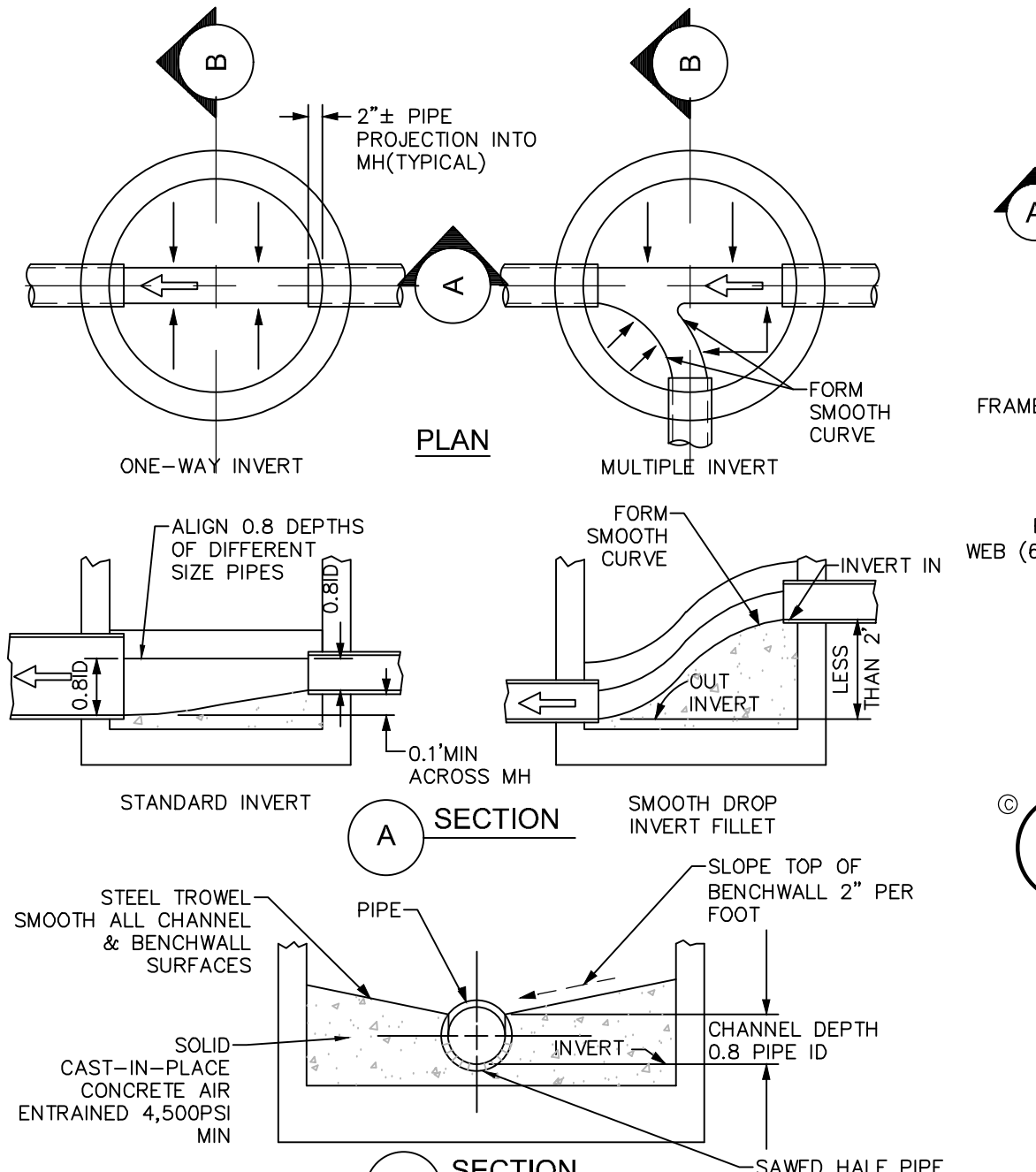
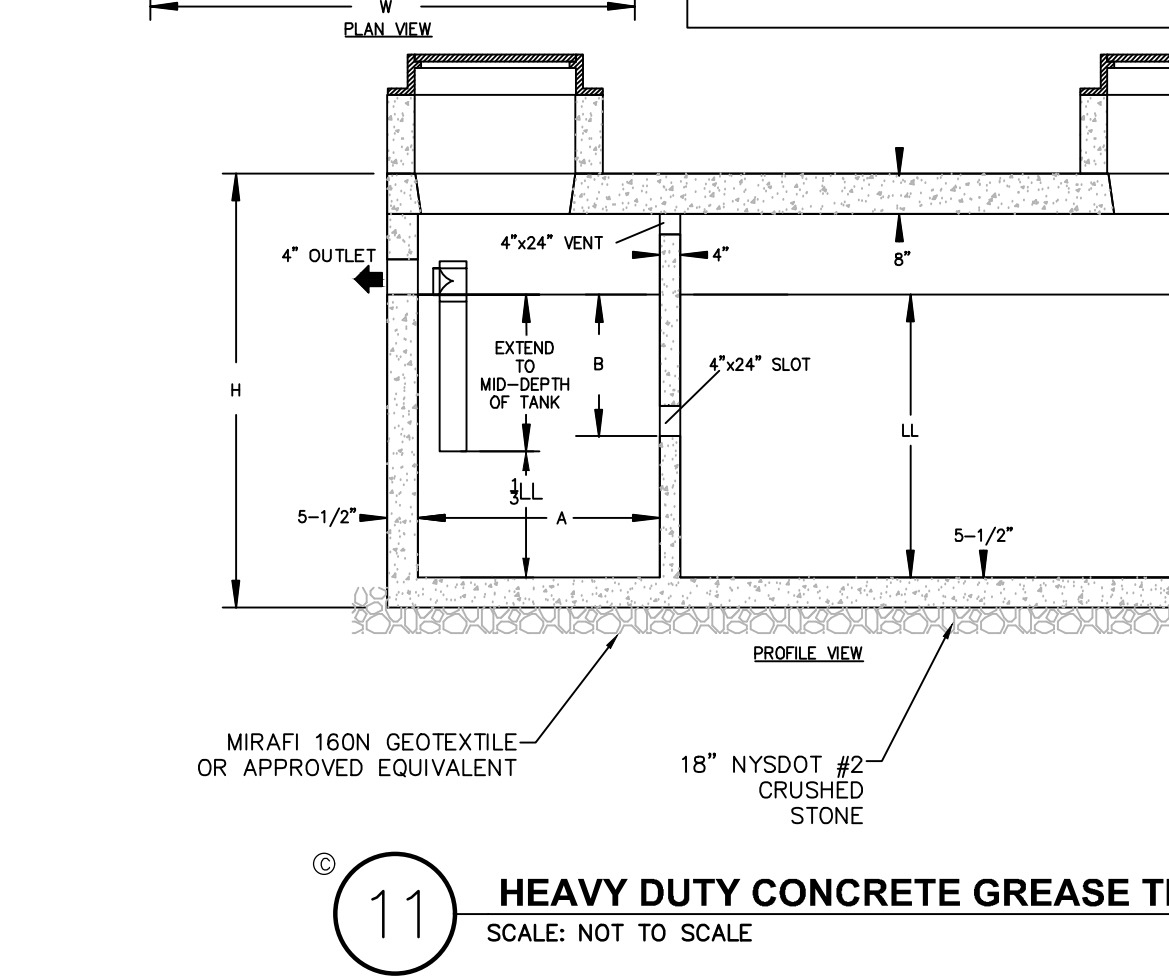
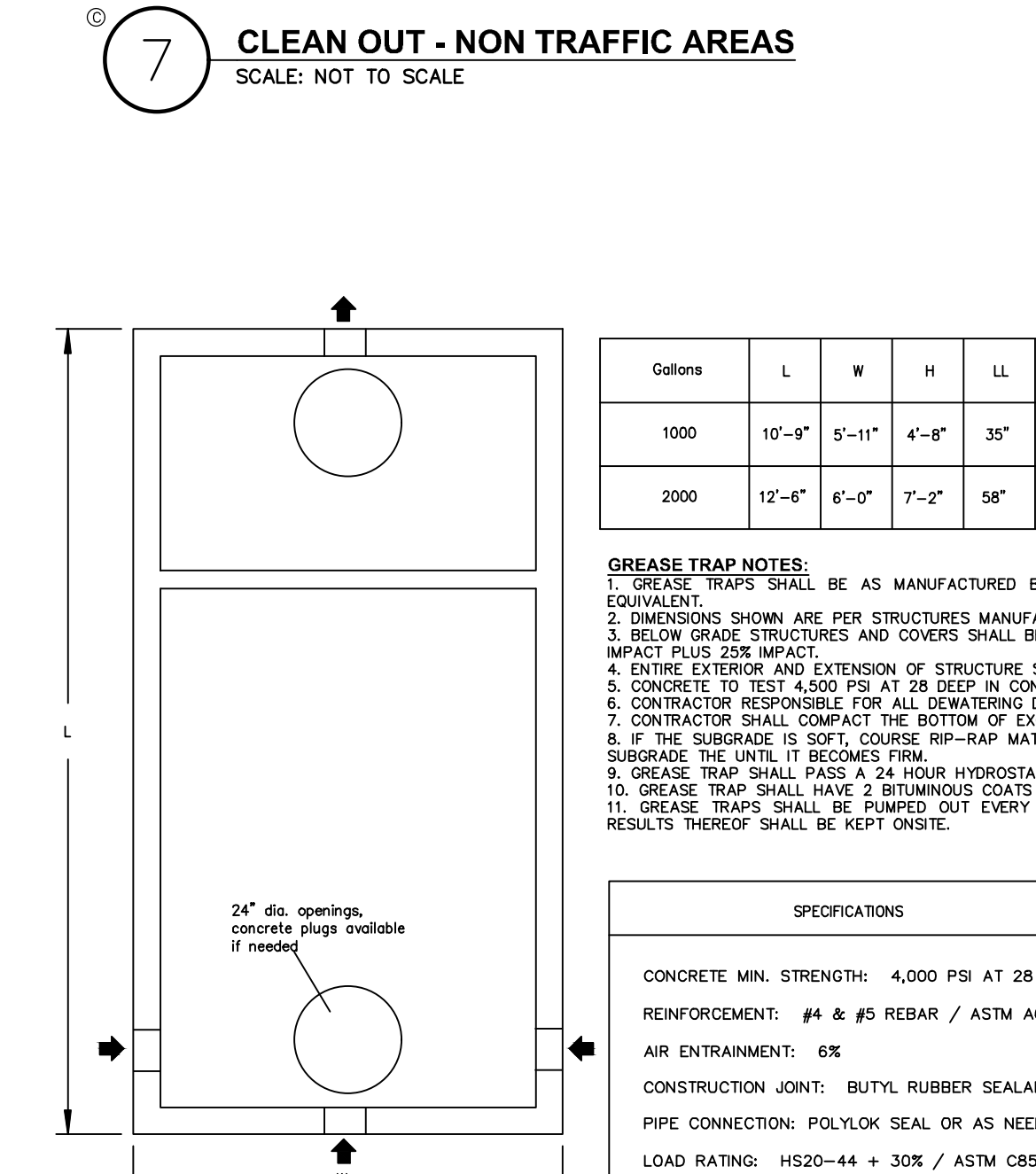
CONNECTICUT SPOTS GROUP
9 W BROAD STREET
SUITE 430
STAMFORD, CT 06902



- NOTES:**
- PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE AN IMPORTED NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 3/4" | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |
- TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:
- | SIEVE DESIGNATION | % PASSING |
|-------------------|-----------|
| 100 | 100% |
| NO. 40 | 0-70% |
| NO. 200 | 0-10% |
- IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.
 - INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
 - TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.
 - 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.



- NOTES:**
- SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034
 - TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM DRAINAGE SYSTEM.



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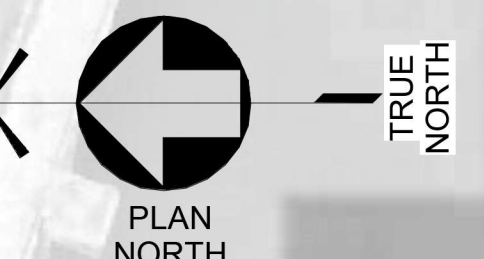
LOWER CONCOURSE FLOOR PLAN

10/11/24

Technical Review Package A02

Bridgeport, Connecticut.

1 TECH REVIEW - OVERALL LOWER CONCOURSE LEVEL
1" = 30'-0"



Prepared for:
Connecticut Sports Group
9W Broad Street, Suite 430
Stamford, CT 06902

Stormwater Pollution Prevention Plan

Submitted by:
LaBella Associates
21 Fox Street
Poughkeepsie, NY
(845) 454-3980



Bridgeport MLS Stadium

City of Bridgeport, Fairfield County, Connecticut

DATE: SEPTEMBER 2024
PROJECT NO. 223011

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APPENDICES

Appendix A: Figures

- A-1: Site Location Map
- A-2: Soils Map
- A-3: Historic Places Screening Map
- A-4: Environmental Resource Map
- A-5: FEMA Firm Map

Appendix B: Project Evaluation and Design Calculations

Appendix C: SWPPP Inspection Report (Sample Form)

Appendix D: Post-Construction Inspections and Maintenance

Appendix E: LaBella Certifying Professionals Letter

Appendix F: CT DEEP WPED General Permit GP-015

1.0 INTRODUCTION

This Stormwater Pollution Prevention Plan (SWPPP) has been prepared for major activities associated with construction of a soccer stadium in the City of Bridgeport. This SWPPP includes the elements necessary to comply with the national baseline general permit for construction activities enacted by the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program and all local governing agency requirements. This SWPPP must be executed, and permit coverage must be obtained prior to the commencement of construction activity.

This SWPPP has been developed in accordance with the "Department of Energy & Environmental Protection (DEEP CT) State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity," Permit No. GP015, effective October 01, 2023 through September 30, 2025. The SWPPP and accompanying plans identify and detail stormwater management, pollution prevention, and erosion and sediment control measures necessary during and following completion of construction.

This SWPPP and the accompanying plans entitled "Bridgeport Stadium & Mixed Use" have been submitted as a set. These engineering drawings are considered an integral part of this SWPPP. Therefore, this SWPPP is not considered complete without them. References made herein to "the plans" or to a specific "sheet" refer to these drawings.

Information contained in this SWPPP has been obtained from site inspection and facility records. A copy of this plan shall be maintained at the site as required by Section 5(c)(1)(A) of the General Permit.

This report considers the impacts associated with the intended development with the purpose of:

1. Maintaining existing drainage patterns as much as possible while continuing the conveyance of upland watershed runoff;
2. Treating the discharge of pollutants in stormwater runoff resulting from the proposed development so as not to adversely alter tidal river conditions; and
3. Mitigating potential stormwater quality impacts and preventing soil erosion and sedimentation resulting from stormwater runoff generated both during and after construction.

The analysis and design completed and documented in this report is intended to be part of the application made for a commercial redevelopment project with no increase in impervious area completed on behalf of the Owner/Operator.

2.0 SITE DESCRIPTION

2.1 General Description and Current Use

The site is located on 255 Kossuth Street in Bridgeport Connecticut. The Connecticut Sports Group is proposing redevelopment project with no increase in impervious area, to include: A modular soccer stadium, a park with smaller soccer fields, a brewery and splash pad. The project will disturb greater than 10-acres of land. A Site Location Map has been provided in Appendix A, as Figure A-1.

The site at 255 Kossuth Street has currently a dog racetrack and entertainment complex. The Lot to the south of 255 Kossuth Street is currently a vacant lot.

Runoff from the project site will discharge to the Pequonnock River. This river is a tidal river which discharges into the long Island sound.

Project construction activities will consist primarily of site grading, paving, building construction, and the installation of storm drainage, water supply, sanitary sewer, and public utility infrastructure necessary to support the proposed redevelopment project with no increase in impervious area. Construction phase pollutant sources anticipated at the site are disturbed (exposed) soil, vehicle fuels and lubricants, chemicals associated with building construction, and building materials. Without adequate control there is the potential for each type of pollutant to be transported by stormwater.

2.2 Stormwater Conveyance Structures

The site contains existing stormwater conveyance infrastructure, with most of its runoff being discharged into the Pequonnock River. A small portion of the sidewalks on the east side of the project site are being conveyed into the Kossuth Street drainage infrastructures which ultimately discharge into Pequonnock River. An easement is currently established, which runs from the intersection of Kossuth Street and Nichols Streets. The easements run southwest around the existing dog track and then west towards the river and turns north to connect the existing 36" outfall that aligns with Nichols Street.

Stormwater quality will be enhanced through the implementation of temporary and permanent erosion and sediment control measures, the proposed stormwater management practice(s), and other construction-phase pollution controls outlined herein.

The proposed stormwater management approach consisting of pipes and on-site stormwater management practices will adequately collect, treat, and convey the stormwater runoff.

Permeable Pavers, permeable Pavement and tree filters will be used to manage and treat stormwater runoff generated by the proposed redevelopment project with no increase in impervious area.

Pre- and post-development surface runoff rates have been evaluated for the 10-year 24-hour storm event.

The pollutant loading analysis indicates stormwater quality will be enhanced through the implementation of the proposed stormwater management practices outlined herein.

Include one of the following four options, for post-construction SMPs:

An executed maintenance agreement will be in place with the City of Bridgeport for the maintenance of the post-construction stormwater management practice(s).

2.3 Environmental Setting

The CT DEEP June 2024 Natural Diversity Database (NDDB) was accessed to determine whether state-listed special concern, threatened and/ or endangered species occur within the project limits. According to the database, the parcel is located within an area of concern. An NDDB application was submitted to the CT DEEP for review. A review by the DEEP Bureau of Natural Resources determined that the existing activities will have no detrimental effects on the identified species within the vicinity of the site. The identified species of special concern is the Peregrine Falcon (*Falco peregrinus*). See Attachment C of the permit application package for NDDB correspondence.

The parcel is not located in an Aquifer Protection Zone or any public water supply watersheds. The site is located outside of the Coastal Consistency Review Boundary.

following standards and guidelines:

- DEEP Stormwater Management Design Manual, dated January 2015 (Design Manual).
- Connecticut Guidelines for Soil Erosion and Sediment Control, dated September 2023.
- BRIDGEPORT MUNICIPAL CODE (May 31, 2024)

Stormwater quality will be enhanced through the implementation of temporary and permanent erosion and sediment control measures, the proposed stormwater management practice(s), and other construction-phase pollution controls outlined herein.

The proposed stormwater management approach consisting of pipes and on-site stormwater management practices will adequately collect, treat, and convey the stormwater runoff.

Filtration without retention SMPs will be used to treat stormwater runoff generated by the proposed redevelopment project with no increase in impervious area.

Pre- and post-development surface runoff rates have been evaluated for the 2-, 10-, and 25-year 24-hour storm events and more storm events only if required by municipality or other regulatory agency. Comparison of pre- and post-development watershed conditions demonstrates that the peak rate of runoff from the project site will not be increased.

The post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) will be deeded to the municipality in which the practice(s) is located.

2.4 Land Use and Topography

The project site is located within the DX2 zoning district. Downtown Support is a permitted use/subject to a special use permit/etc. within this district.

The overall site is slightly sloping, with slopes ranging from 1 to 3 percent. Site elevations range from approximately 2 feet above mean sea level (MSL) to 14 feet MSL. The site is The east side of the site is slightly higher than the west side.

2.5 Soils and Groundwater

The US Department of Agriculture (USDA) Web Soil Survey was used to obtain surficial soil conditions for the study area, as follows:

Table 1: USDA Soil Data

Map Symbol & Description	Hydrologic Soil Group	Permeability (inches/hour)	Erosion Factor K	Depth to Water Table (feet)	Depth to Bedrock (feet)
307- Urban Land	D	<0.2	0.24		>6.0

Upon review of the soil data presented in Table 1, the project site does not contain soils with a soil slope phase of D with a map unit name that inclusive of slopes greater than 25%, and does not contain soils with a soil slope phase of E or F.

The project site is composed of HSG D soil, as shown in the table below. For the purposes of this report, HSG D soils were modeled as HSG D soils to reflect the undrained condition.

Table 2: Project Site HSG Data

HSG A	HSG B	HSG C	HSG D
0%	0%	0%	100%

The Soil Conservation Service defines the hydrologic soil groups as follows:

Type D Soils: Soils having a very low infiltration rate and high runoff potential when thoroughly wet. These soils consist chiefly of clays that have high shrink-swell potential, soils that have a permanent high water table, soils that have a clay pan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very low rate of water transmission.

Due to the history of the site, the soil is heavily contaminated. During the historic review of the site an industrial usage had been uncovered. Infiltration in brownfields is not recommended.

The soils map for the study area is presented in Appendix A, as Figure A-2.

2.6 Watershed Designation

The project site is located within the Pequonnock River watershed, which is listed in Appendix C of GP-015 as a watershed where enhanced phosphorus removal standards are required for projects listed in Table 2 of Appendix B of GP-015.

2.7 Receiving Water Bodies

The project site will discharge is the Pequonnock River. The Pequonnock River is classified by CT DEEP as a Class A water course, and will discharge ultimately into the Long Island Sound.

2.8 Aquifer Designation

The project site is not located over a US EPA designated Sole Source aquifer; nor is it located over a Primary or Principal aquifer listed in the CT DEEP Aquifer Protection Area Program.

2.9 Wetlands

A search on the CT DEEP Wetland's on August 29, 2024, and a review of CT DEEP data, determined that there are no known regulated wetlands located on or in the vicinity of the project site.

2.10 Flood Plains

According to the National Flood Insurance Program Flood Insurance Rate Map (FIRM), City of Bridgeport Connecticut, Community Panel Number 09001C, the project site lies within Flood Zone AE, areas inundated by 100-year flood with base flood elevations determined. A floodplain assessment has been conducted by LaBella Associates on July 16th of 2024. The assessment looked into the raise of additional raise of a 100-year flood scenario and found that with the proposed redevelopment there will not be an increase in the flood levels.

The Floodplain assessment and the FEMA Flood Map have been provided in Appendix A, as Figure A-5.

2.11 Listed, Endangered, or Threatened Species

A search was performed on the CT DEEP Environmental Resource Mapper on August 26, 2024, and determined that the project site may contain threatened or endangered species, or critical habitat. There is a threatened species of the Peregrine Falcon in the area. The report states that the A Summarized Letter from the DEEP NDDDB has been provided in Appendix A, as Figure A-4.

2.12 Historic Places

A search on the Connecticut State Cultural Resource Information System (CRIS) database, performed on August 29, 2024, revealed that the property is not located within an

archeologically sensitive area, and is not located on or immediately adjacent to a property listed or determined to be eligible for listing on the National or State Registers of Historic Places. Additionally, the construction activity does not include the construction of a new building within 50 feet of any structure more than 50 years old. A printout of the historic places screening map is presented in Appendix A, as Figure A-3.

2.13 Rainfall Data

Rainfall data utilized in the modeling and analysis was obtained from the Cornell University online Extreme Precipitation in New York & New England website. The standard SCS/NRCS rainfall distributions were applied to evaluate the pre- and post-development stormwater runoff characteristics. Rainfall data specific to the portion of Fairfield County under consideration, for various 24-hour storm events, is presented in the following Table:

Table 3: Rainfall Data

Storm Event Return Period	24-Hour Rainfall (inches)
1-year	2.79
10-year	5.05
100-year	8.86

2.14 Pre-development Watershed Conditions

The pre-development project site is covered predominantly by pavement, gravel and grass. There are two story entertainment buildings, multiple auxiliary buildings and dog track. Runoff from the project site discharges directly to the Pequonnock River, which is a tidal stream. Therefore, as described in Chapter 4 of the Design Manual, the stormwater quantity criteria do not apply to this project.

2.15 Post-development Watershed Conditions

The post-development project site is covered predominantly by permeable pavement and pavers, and grass areas. The modular stadium will have a roof on the west, the soccer field has underdrainage that directs the runoff towards the southern 36" outfall. Runoff from the project site discharges directly to the Pequonnock River, which is a tidal stream.

There are numerous methods for providing treatment of the off-site discharge from the project site. Each has been designed to provide treatment of the Water Quality Volume. Each device is detailed on the accompanying plans.

3.0 STORMWATER MANAGEMENT PLANNING

Chapter 5 of the Connecticut Stormwater Quality Manual outlines a three objectives of the planning process for site planning and selection of stormwater management practices that must be implemented for both new development and redevelopment projects. This process is intended to develop a design that maintains pre-construction hydrologic conditions through the application of environmentally sound development principles, as well as treatment from the site. The following sections outline the step-by-step process and how it has been applied to this project.

The Design Manual provides both water quality and water quantity objectives to be met by projects requiring a "Full SWPPP". These objectives will be met by applying stormwater control practices to limit peak runoff rates and improve the quality of runoff leaving the developed site.

3.1 OBJECTIVE 1 – Avoid Impacts

During the Planning process, the project site is evaluated for implementation of the low impact development (LID) identified in Table 5.1 of the Design Manual, in order to preserve natural resources and reduce impervious cover.

3.1.1 *Minimizing Soil Compaction*

Healthy soils, which have not been compacted, perform numerous valuable stormwater functions. Minimizing soil compaction is the practice of protecting and minimizing damage to existing soil quality caused by the land development process. Minimizing soil compaction is not only important for drainage of a site and the successful use of other LID site planning and design techniques and structural stormwater BMPs, but also for minimizing impacts to established vegetation. Heavy equipment used within the drip line of a tree can cause soil compaction, resulting in the death of tree roots. Damage done to a tree's root system may take 3 to 4 years after construction to become evident in a tree's canopy. Maintaining healthy soil can significantly reduce the cost of landscaping vegetation (higher survival rate, less replanting) and landscaping maintenance.

3.1.2 *Minimizing Site Disturbance*

Land disturbance, including clearing and grading, can dramatically alter the pre-development hydrology of a site, exposing soils to erosion, compacting the soils by heavy equipment, and altering the natural terrain and drainage patterns. The limits of clearing and grading refer to the part of the site where development will occur. This includes impervious areas such as roads, sidewalks, and buildings, as well as pervious areas such as lawn and open drainage systems. Limiting the land area disturbed by development (i.e., development footprint) is most effectively addressed at the site planning level.

3.1.3 *Protecting Sensitive Natural Areas*

Sensitive natural areas include woodlands, significant tree species, wetlands and watercourses, floodplains, and other hydrologically sensitive and naturally vegetated areas. Preserving and avoiding land disturbance activities in close proximity to these resources are important strategies for preserving predevelopment hydrology, water quality, important ecological functions, and the natural character and aesthetic value of a site.

Protecting sensitive natural areas involves delineating and defining sensitive natural areas before performing site layout and design. Once sensitive natural areas on a site are delineated, ensure that these areas and native vegetation are protected in an undisturbed state throughout the design, construction, and occupancy stages of a project.

3.1.4 Preserving Vegetated Buffers

Vegetated buffers are naturally vegetated areas between developed land and surface waterbodies and wetlands. Vegetated buffers protect water quality by providing shade for cooling, stabilizing banks, mitigating flow rates, and providing for pollutant removal by filtering runoff and promoting infiltration. Vegetated buffers also provide flood storage and wildlife habitat.

3.1.5 Avoiding Disturbance of Steep Slopes

The potential for soil erosion is significantly increased on slopes of 25% (4H:1V slope) or greater. Development on steep slopes also results in a larger disturbance footprint than development on flatter slopes. Development (clearing, grading, or other soil disturbance) on slopes of 25% or greater should be avoided.

3.1.6 Siting on Permeable and Erodible Soils

Whenever possible, highly erodible soil should be left undisturbed and protected from disturbance during site construction. Gravel soils tend to be the least erodible. As clay and organic matter increase, soil erodibility tends to decrease. Infiltration-based structural stormwater BMPs and pervious areas used for infiltration of runoff from adjacent impervious surfaces should be located on those portions of the site with the most permeable soils.

3.1.7 Protecting Natural Flow Pathways

Natural drainage features such as vegetated swales and channels and natural micro-pools or depressions should be preserved or incorporated into the design of a site to take advantage of their ability to infiltrate and attenuate flows and filter pollutants. Site designs should use and/or improve natural drainage pathways whenever possible to reduce or eliminate the need for stormwater pipe networks. Natural drainage pathways should be protected from significantly increased runoff volumes and flow rates through the use of upstream stormwater BMPs that control runoff volume and flow rate. Level spreaders, erosion control matting, revegetation, outlet stabilization, and check dams can also be used to protect natural drainage features.

3.1.8 Conservation and Compact Development

Compact development is a site development strategy that incorporates smaller lot sizes to reduce overall impervious cover while providing more undisturbed open space and protection of water resources. The strategy relies on mixed-use development patterns, which generate less stormwater than the typical single-use suburban model. In addition to stormwater and water quality benefits, compact development also promotes livability, walkability, and transportation efficiency, including a reduction in greenhouse gas emissions. This approach is also consistent with State of Connecticut policies to promote compact, transit accessible, pedestrian-oriented, mixed use development patterns and land use.

3.2 OBJECTIVE 2 – Reduce Impacts

Similar to avoidance of impacts, the extent to which impacts can be reduced on a site is also often dictated by local land use regulations, which have the potential to facilitate or hinder the implementation of LID site planning and design strategies. Communities should review and update their local land use regulations to reduce unnecessary creation of new impervious surfaces, remove barriers to the use of LID practices, and promote the use of low maintenance landscaping. The following sections provide strategies for communities to modify local land use regulations to reduce development impacts. Additional information on these topics can be found in the information sources listed at the end of this chapter

3.2.1 Reducing Impervious Surfaces

Reducing impervious surfaces includes minimizing areas associated with roads, sidewalks, driveways, buildings, and parking lots. By reducing the amount of impervious cover on a site, increases in post-development stormwater runoff are reduced while infiltration and evapotranspiration are increased. Reducing the area covered by impervious surfaces also provides greater opportunity for conservation of natural features and more space for vegetated swales, bioretention systems, and other structural stormwater BMPs.

3.2.2 Preserving Pre-development Time of Concentration

The peak discharge rate and volume of stormwater runoff from a site are influenced by the runoff travel time and hydrologic characteristics of the site. Runoff travel time can be expressed in terms of "time of concentration" which is the time it takes for runoff to travel from the most distant point of the site or watershed to the downstream outlet or design point. Runoff flow paths, ground surface slope and roughness, and channel characteristics affect the time of concentration. Increasing the post-development time of concentration to match the time of concentration for pre-development conditions can substantially reduce development impacts in terms of peak rates of runoff and runoff volumes.

3.2.3 Use of Low Maintenance Landscaping

Landscaping features like lawns and other landscaped areas can contribute stormwater runoff pollution, resulting in adverse impacts to surface waters and groundwater, due to overfertilization, overwatering, overapplication of pesticides, and direct disposal of lawn clippings, leaves, and trimmings.

To reduce these potential impacts, low-maintenance, native vegetation should be used along with other LID landscaping techniques to minimize lawn area, irrigation needs, fertilizers, and pesticides. This approach can also help conserve water by reducing irrigation water demand and increase resilience of surface and groundwater resources during periods of drought.

3.3 OBJECTIVE 3 - Manage Impacts at the Source

After all reasonable efforts to avoid and reduce impacts are exhausted, the final objective of the LID site planning and design process is to manage any remaining stormwater impacts including increases in runoff volume, pollutant loads, and peak flows. Techniques for managing stormwater impacts include disconnecting impervious surfaces by directing runoff to adjacent vegetated pervious areas (simple disconnection) or to structural stormwater BMPs located

close to the source of runoff, conversion of impervious to pervious areas, and the use of source controls and pollution prevention.

3.3.1 Disconnecting Impervious Surfaces

When impervious surfaces with a direct hydraulic connection to a storm drainage system or a waterbody are considered "Directly Connected Impervious Area (DCIA)." Impervious surfaces that are separated from drainage systems or a waterbody by pervious surfaces or structural stormwater BMPs designed to retain the appropriate portion of the site's Water Quality Volume (WQV) are considered "disconnected" and contribute less runoff and reduced pollutant loading. Disconnecting impervious surfaces promotes infiltration and filtration of stormwater runoff and the reduction of DCIA. The two primary strategies for disconnecting impervious surfaces are described below.

3.3.2 Conversion of Impervious to Pervious Area

Impervious area conversion involves removing and replacing existing excess impervious surfaces (pavement, buildings, etc.) with pervious vegetated surfaces (lawn, meadow, woods) and restoring the pre-development infiltration rate and storage capacity (i.e., porosity) of the underlying soils. Conversion of the impervious surface to a vegetated pervious surface results in a reduction in runoff volume and pollutant loads and an increase in infiltration and groundwater recharge. This technique is applicable to redevelopment and retrofit situations. Credits for the use of impervious area conversion on redevelopment sites are described in LID Site Planning and Design Credits. Chapter 9 - Stormwater Retrofits provides additional guidance on impervious area conversion.

3.3.3 Source Control and Pollution

Utilizing the source controls and pollution prevention measures can help minimize or prevent the discharge of pollutants in stormwater runoff. Source control practices and pollution prevention are operational practices (e.g., street and parking lot sweeping, catch basin cleaning and drainage system maintenance, and lawn and landscape management) that limit the generation of stormwater pollutants at their source and should be incorporated, to the maximum extent practicable, into the site design and operational aspects of all land development projects.

3.4 Stormwater Management Standards

Stormwater runoff from impervious surfaces is recognized as a significant contributor of pollution that can adversely affect the quality of receiving water bodies. Therefore, treatment of stormwater runoff is important since most runoff related water quality contaminants are transported from land, particularly the impervious surfaces, during the initial stages of storm events.

3.4.1 CT DEEP Requirements for Water Quality Volume

The Design Manual requires that water quality treatment be provided for the initial flush of runoff from every storm. The CT DEEP refers to the amount of runoff to be treated as the "Water Quality Volume" (WQv). Chapter 4 of the Connecticut Stormwater Quality Manual defines the Water Quality Volume as follows:

$$WQv = \frac{[(P)(R_v)(A)]}{12}$$

Where: P = 1.3 inches
 R_v = 0.05 + 0.009 (I)
 I = Impervious Cover (Percent)
 A = Contributing Area in Acres

This definition ensures that, all other things being equal, the Water Quality Volume will increase along with the impervious cover percentage.

3.4.2 Methodology for Redevelopment Projects

According to Chapter 4, redevelopment activities can achieve that only 50% of the water quality volume needs to be retained through non-structural SMPs. If the retention of the WQv is not possible then 100% of the WQv needs to be treated. This project will implement Delaware Sand Filter and Tree Filters to meet the water quality objective.

Table 4: Required WQv Summary

100% Redevelopment WQv Required	
19800 cf	0.45 af
Total WQv Required 19,800cf (0.45 af)	

3.4.3 Applying Standard SMPs to Address Water Quality Volume

The entire Water Quality Volume is treated through implementation of standard SMPs.,

Table 5: Summary of WQv Provided

Step 2 WQv Required (CF)		Step 3 WQv Reduction by RR Techniques & Standard SMPs w/ RRv Capacity (CF) ¹	Step 5 WQv to be Treated by Standard SMPs or Alternative Practices (CF)
Redevelopment WQv	New Developme nt WQv		
19,800	0	0	19,800
Footnotes:			
¹ Step 3: WQv Reduction = RRv Provided + WQv Treated by Standard SMP with RRv Capacity			
² Step 5: Reduced WQv to be Treated = WQv Required – WQv Reduced			

Based upon the results listed in the above Table, the entire WQv has not been treated by application of RR techniques and standard SMPs with RRv capacity. As such, the standard SMPs (without RRv capacity) described in the following sections, have been incorporated into the stormwater management plan for this project, to meet the WQv objective.

3.4.4 Tree Filter

Tree filters are compact bioretention systems consisting of an open-bottomed chamber with one or more trees and filled with engineered soil media. Tree filters collect, temporarily store, and filter stormwater runoff through the engineered soil media, and the tree provides pollutant uptake. Tree filters are particularly well suited to urban or built-out areas where they can easily fit into small footprints and/or work as retrofits. Tree filters often work in tandem with existing stormwater networks allowing less frequent, high-intensity storm events to bypass the system.

Tree filters consist of three main parts: the tree, soil media, and chamber. The chamber is typically filled with engineered soil media that is designed for rapid infiltration. In this project infiltration is not an option, but these filtration practices can be used with a liner. This transforms the tree filter into a filtration practice only. The system is planted with non-invasive trees or shrubs. The top of the chamber typically has a tree grate to protect the base of the tree, soil, and root system, as well as for pedestrian safety. The grate also serves to keep trash and debris from entering the top of the chamber. Most of the stormwater enters the system through a curb cut under the grate. Within the chamber there is typically storage for ponded stormwater runoff above the soil media. The engineered soil media filters the stormwater runoff as it flows downward through the system. The filtered runoff is collected in an underdrain and returned to the storm drainage system or infiltrates into the underlying soil. Tree filters provide pollutant removal via filtration, pollutant uptake, and adsorption.

Table 6: Summary of WQ Practices

SWM Practice ID	Calculated WQv (CF)	Pretreatment Volume Required (% of WQv)	Treatment Volume Provided (CF)	Pretreatment Volume Provided (CF)
TF 1-5-1	36	0	218	0
TF 1-5-2	35	0	218	0
TF 1-5-4	35	0	218	0
TF 1-5-5	25	0	218	0

4.0 CONSTRUCTION SEQUENCE

In order for construction to progress in a practical and efficient manner, soil disturbance in excess of five acres at any given time will be required. The General Permit allows for soil disturbance of greater than five acres upon written authorization from the City of Bridgeport. Therefore, once the site contractor is awarded the construction contract, a waiver will be requested to allow the disturbance of more than five acres at any one time. The waiver request will include a phasing plan that defines the maximum disturbed area per phase and shows the required cuts and fills. When received, a copy of the approval will be included in the Site Log Book. This approval will be subject to the limitations outlined in the approval letter and documented within the construction sequencing plans included with the Waiver request. Should the waiver request be denied, the contractor shall limit the area of disturbance to less than five acres of disturbance at any given time. The contractor shall prepare and submit to the

Owner's/Operator's Engineer a sequencing plan that identifies the progression of construction through the site. This sequencing plan must be retained as part of the Site Log Book.

The "Erosion and Sediment Control Plan" and the "Erosion and Sediment Control Plan Prior to Construction" in the accompanying drawings and waiver request identifies the major construction activities that are the subject of this SWPPP. The order (or sequence) in which the major activities are expected to begin is presented on the accompanying drawings, though each activity will not necessarily be completed before the next begins. In addition, these activities could occur in a different order if necessary to maintain adequate erosion and sediment control. If this is the case, the contractor shall notify the Owner's/Operator's Engineer overseeing the implementation of the SWPPP.

The Contractor will be responsible for implementing the erosion and sediment control measures identified on the plans. The Contractor may designate these tasks to certain subcontractors as they see fit, but the ultimate responsibility for implementing these controls and ensuring their proper function remains with the Contractor.

Refer to the accompanying plans for details and specifications regarding the construction sequencing schedule.

5.0 CONSTRUCTION-PHASE POLLUTION CONTROL

The SWPPP and accompanying plans identify the temporary and permanent erosion and sediment control measures that have been incorporated into the design of this project. These measures will be implemented during construction, to minimize soil erosion and control sediment transport off-site, and after construction, to control the quality and quantity of stormwater runoff from the developed site.

Erosion control measures, designed to minimize soil loss, and sediment control measures, intended to retain eroded soil and prevent it from reaching water bodies or adjoining properties, have been developed in accordance with the following documents:

- CT DEEP SPDES General Permit for Stormwater Discharges From Construction Activity, Permit No. GP-015 (effective January 29, 2020 through January 28, 2025)
- 2023 Connecticut Guidelines for Soil Erosion and Sediment Control

The SWPPP and accompanying plans outline the construction scheduling for implementing the erosion and sediment control measures. These documents include limitations on the duration of soil exposure, criteria and specifications for placement and installation of the erosion and sediment control measures, a maintenance schedule, and specifications for the implementation of erosion and sediment control practices and procedures.

Temporary and permanent erosion and sediment control measures that shall be applied during construction generally include:

1. Minimizing soil erosion and sedimentation by stabilization of disturbed areas and by removing sediment from construction site discharges.

2. Preservation of existing vegetation to the greatest extent practical. Following the completion of construction activities in any portion of the site, permanent vegetation shall be established on all exposed soils.
3. Site preparation activities to minimize the area and duration of soil disruption.
4. Establishment of permanent traffic corridors to ensure that "routes of convenience" are avoided.

5.1 Temporary Erosion and Sediment Control Measures

The temporary erosion and sediment control measures described in the following sections are included as part of the construction documents.

5.1.1 Stabilized Construction Access

Prior to construction, stabilized construction access(es) will be installed, per accompanying plans, to reduce the tracking of sediment onto public roadways.

Construction traffic must enter and exit the site at the stabilized construction access(es). The intent is to trap dust and mud that would otherwise be carried off-site by construction traffic.

The access(es) shall be maintained in a condition, which will control tracking of sediment onto public rights-of-way or streets. When necessary, additional aggregate will be placed atop the filter fabric to assure the minimum thickness is maintained. All sediment and/or soil spilled, dropped, or washed onto public rights-of-way must be removed immediately. Periodic inspection and needed maintenance shall be provided after each substantial rainfall event.

5.1.2 Dust Control

Water trucks shall be used as needed during construction to reduce dust generated on-site. Dust control must be provided by the Contractor(s) to a degree that is acceptable to the Owner, and in compliance with the applicable local and state dust control requirements.

5.1.3 Temporary Soil Stockpile

Materials, such as topsoil, will be temporarily stockpiled (if necessary) on the site during the construction process. Stockpiles shall be located in an area away from storm drainage, water bodies and/or courses, and will be properly protected from erosion by a surrounding silt fence barrier.

5.1.4 Silt Fencing

Prior to the initiation of and during construction activities, a geotextile filter fabric (or silt fence) will be established downgradient of all disturbed areas. These barriers may extend into non-impact areas to provide adequate protection of adjacent lands.

Clearing and grubbing will be performed only as necessary for the installation of the sediment control barrier. To facilitate effectiveness of the silt fencing, daily inspections and inspections immediately after significant storm events will be performed by the Contractor(s). Maintenance of the fence will be performed as needed.

5.1.5 *Stone and Block Drop Inlet Protection*

Concrete blocks surrounded by wire mesh and crushed stone will be placed around both existing catch basins, and proposed catch basins once they have been installed, to prevent sediment from entering the catch basins and storm sewer system. During construction, crushed stone shall be replaced as necessary to ensure proper function.

5.1.6 *Manufactured Insert Inlet Protection*

Install insert inlet protection beneath the grate of all catch basins, to prevent sediment from entering the catch basins and storm sewer system. Remove sediment accumulation and repair or replace insert as necessary to ensure proper function.

5.1.7 *Filter Fabric Drop Inlet Protection*

Install filter fabric or silt fence with wooden stakes at the perimeter of existing or proposed catch basins located in lawn areas, to prevent sediment from entering the catch basins and storm sewer system. Remove sediment accumulation and repair or replace fabric as necessary to ensure proper function.

5.1.8 *Erosion Control Blanket*

Erosion control blankets shall be installed in accordance with manufacturer's requirements on all slopes exceeding 3:1. Erosion control blankets provide temporary erosion protection, rapid vegetative establishment, and long-term erosion resistance to shear stresses generated by high runoff flow velocities associated with steep slopes.

5.1.9 *Temporary Sediment Trap*

Temporary sediment traps shall be constructed to intercept sediment-laden runoff, reduce the amount of sediment leaving the disturbed areas, and protect drainage ways, properties, and rights-of-way.

Accumulated sediment shall be removed from the trap when it reaches no greater than 50 percent of the design capacity. Sediment shall not be placed downstream from the embankment, adjacent to a stream, or floodplain.

Temporary sediment traps depicted on the accompanying plans have been designed to provide 3,600 CF of storage per acre of tributary watershed.

5.1.10 *Dewatering Operations*

Dewatering will be used to intercept sediment-laden stormwater or pumped groundwater and allow it to settle out of the pumped discharge prior to being discharged from the site. Water from dewatering operations shall be treated to eliminate the discharge of sediment and other pollutants. Water resulting from dewatering operations shall be directed to temporary sediment traps or dewatering devices. Temporary sediment traps and dewatering bags will be provided, installed, and maintained at downgradient locations to control sediment deposits to downstream surfaces.

5.1.11 *Fiber Roll*

Prior to the initiation of and during construction activities, fiber rolls (12" minimum diameter) will be established downgradient of all disturbed areas to reduce sheet flow on slopes. These rolls

may extend into non-impact areas to provide adequate protection of adjacent lands. Spacing will conform to CT DEEP specification for straw bale dike.

Clearing and grubbing will be performed only as necessary for the installation of the fiber rolls. To facilitate effectiveness, daily inspections and inspections immediately after significant storm events will be performed by the Contractor(s) and maintenance will be performed as needed.

5.1.12 Compost Filter Sock

Prior to the initiation of and during construction activities, a compost filter sock (or silt sock) will be established downgradient of all disturbed areas. These filters may extend into non-impact areas to provide adequate protection of adjacent lands. The spacing of the compost filter sock, which will depend on the ground slope and diameter of the sock, shall be based upon New York State or EPA guidance.

Clearing and grubbing will be performed only as necessary for the installation of the sediment control filter; and unlike sediment control barriers, trenching is not required. The ends of the filter sock should be directed upslope, to prevent stormwater from running around the end of the sock. The preferred anchoring method is to drive stakes through the center of the sock at regular intervals; alternatively, stakes can be placed on the downstream side of the sock. To facilitate effectiveness of the compost filter sock, daily inspections and inspections immediately after significant storm events will be performed by the Contractor(s) to ensure that they are intact and the area behind the sock is not filled with sediment. Maintenance of the sock will be performed as needed.

5.2 Permanent Erosion and Sediment Control Measures

The permanent erosion and sediment control measures described in the following sections are included as part of the construction documents.

5.2.1 Establishment of Permanent Vegetation

Disturbed areas that will be vegetated must be seeded in accordance with the contract documents. The type of seed, mulch, and maintenance measures as described in the contract documents shall also be followed.

Because this site directly discharges to a tidal stream, permanent soil stabilization measures must be initiated by the end of the next business day and completed within seven (7) days from the date the soil disturbance activity has permanently ceased.

Final site stabilization is achieved when all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of 80 percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

5.2.2 Rock Outlet Protection

Rock outlet protection shall be installed at the locations as indicated and detailed on the accompanying plans. The installation of rock outlet protection will reduce the velocity and energy of water, such that the flow will not erode downstream surfaces. There are 3 existing outlets that discharge stormwater runoff into the Pequonnock River. By using the existing

outfalls disturbance to the river banks and the river itself, is kept to a minimum. During construction the outfalls will be protected from construction activities.

5.3 Other Pollutant Controls

Section (5)(b)(2)(D)(ii) of GP-015 prohibits discharge from construction material wastewater, pollutants used in vehicle and equipment operation and maintenance, vehicle and equipment washing and toxic or hazardous substances.

The following table identifies materials and/or chemicals commonly used and/or stored on construction sites and should be addressed in the site-specific spill prevention and response plan:

Table 7: Common Construction Pollutants

Material/Chemical	Physical Description	Stormwater Pollutants	Location*
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic	Herbicides used for noxious weed control
Fertilizer	Liquid or solid grains	Nitrogen, phosphorous	Newly seeded areas
Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	No equipment cleaning allowed in project limits
Asphalt	Black solid	Oil, petroleum distillates	Streets and roofing
Concrete	White solid/grey liquid	Limestone, sand, pH, chromium	Curb and gutter, building construction
Curing compounds	Creamy white liquid	Naphtha	Curb and gutter
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil	Leaks or broken hoses from equipment
Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment / staging area
Diesel Fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes	Secondary containment / staging area

Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates	Secondary containment / staging area
Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	Leaks or broken hoses from equipment
Sanitary toilets	Various colored liquid	Bacteria, parasites, and viruses	Staging area
Construction materials			
Granular fill	Various colored solids	Sediment	Stockpile / fill areas
Subbase course	Gray/brown solid	Sediment, dust	Stockpile
Topsoil	Brown solid	Sediment	Stockpile
Mulch	Various colored solid	Sediment, debris	Staging area
Seed	Brown/yellow solid	Nutrients, debris	Staging area
HDPE Storm Pipe	Black solid		Staging area
SDR-35, SDR-21 PVC Pipe	Various colored solid		Staging area
Metals Frames and Grates	Gray solid		Staging area
Joint Sealant	Light gray viscous solid	Polyurethane	Staging area

*(Area where material/chemical is used on-site)

5.4 Construction Housekeeping Practices

During the construction phase, the Contractor(s) will implement the following measures:

5.4.1 Sediment Sweeping/Vacuuming

Any sediment that is tracked by construction vehicles or erosion onto adjacent public or private impervious surfaces must be swept or vacuumed, utilizing self-propelled and/or walk-behind equipment, and removed on a daily basis. Kick brooms and sweeper attachments are not an acceptable means of sweeping. Sweeping or vacuuming should not take place while tracked sediment is wet. If tracked sediment is compacted, the sediment must be scraped loose prior to sweeping or vacuuming.

5.4.2 Material Stockpiles

Material resulting from clearing and grubbing operations that will be stockpiled on-site, must be adequately protected with downgradient erosion and sediment controls.

5.4.3 Equipment Cleaning and Maintenance

The Contractor(s) will designate areas for equipment cleaning, maintenance, and repair. The Contractor(s) and subcontractor(s) will utilize those areas. The areas will be protected by a temporary perimeter berm.

5.4.4 *Detergents*

The use of detergents for large-scale washing is prohibited (i.e., vehicles, buildings, pavement surfaces, etc.)

5.4.5 *Spill Prevention and Response*

A Spill Prevention and Response Plan shall be developed, for the pollutants identified in Section (5)(b)(2)(D)(v) for the site by the Contractor(s) that addresses the following:

1. Reducing chance of spills
2. Stopping the source of spills
3. Containing and cleaning up spills
4. Disposing of materials contaminated by spills
5. Training personnel responsible for spill prevention/response
6. Material handling procedures
7. Material storage requirements

The plan shall detail the steps required in the event of an accidental spill and shall identify contact names and phone numbers of people and agencies that must be notified.

The plan shall include Safety Data Sheets (SDS) for all materials to be stored on-site. All workers on-site will be required to be trained on safe handling and spill prevention procedures for all materials used during construction. Regular tailgate safety meetings shall be held and all workers that are expected on the site during the week shall be required to attend.

5.4.6 *Concrete Washout Areas*

A temporary concrete washout area shall be provided for every project where concrete will be poured or otherwise formed on-site and shall consist of an excavated or above-ground lined construction pit where concrete trucks or equipment can be washed out after their loads have been discharged. Waste generated from concrete wash water that shall not be allowed to flow into drainage ways, inlets, receiving waters, highway right-of-way, or any location other than the designated concrete washout area(s). Proper signage shall be placed adjacent to the facility to designate the "Concrete Washout Area". Locate the facility a minimum of 100-feet from drainage swales, storm drain inlets, wetlands, streams, and other surface waters. Prevent surface water from entering the washout area.

The hardened residue from the concrete wash areas will be disposed of in the same manner as other non-hazardous construction waste materials. Maintenance of the washout area shall include removal of hardened material when 75% of the storage capacity is filled, and a minimum freeboard of 12 inches shall be maintained. The Contractor will be responsible for seeing that these procedures are followed. The project may require the use of multiple concrete washout areas based on the frequency of concrete pours.

5.4.7 *Material Storage*

Construction materials shall be stored in a dedicated staging area. The staging area shall be located in an area that prevents negative impacts of construction materials on stormwater quality.

Chemicals, paints, solvents, fertilizers, and other toxic material must be stored in waterproof containers. Except during application, the contents must be kept in trucks or within storage

facilities. Runoff containing such material must be collected, removed from the site, treated, and disposed of at an approved solid waste or chemical disposal facility.

6.0 INSPECTIONS, MAINTENANCE, AND REPORTING

6.1 Inspection and Maintenance Requirements

6.1.1 *Pre-Construction Inspection and Certification*

Prior to the commencement of construction, the Qualified Inspector/Qualified Professional shall conduct an assessment of the site and certify that the appropriate erosion and sediment control measures have been adequately installed and implemented. The Contractor shall contact the Qualified Inspector/Qualified Professional once the erosion and sediment control measures have been installed.

6.1.2 *Construction Phase Inspections and Maintenance*

A Qualified Inspector/Qualified Professional, as defined in Appendix A of the General Permit GP-015, shall conduct regular site inspections between the time this SWPPP is implemented and final site stabilization. Because this project site directly discharges to a tidal stream site inspections shall occur at an interval of at least twice every seven (7) calendar days, with the inspections separated by a minimum of at least two (2) full calendar days.

The purpose of site inspections is to assess performance of pollutant controls. Based on these inspections, the Qualified Inspector/Qualified Professional will decide whether it is necessary to modify this SWPPP, add or relocate sediment barriers, or whatever else may be needed in order to prevent pollutants from leaving the site via stormwater runoff. The general contractor has the duty to cause pollutant control measures to be repaired, modified, maintained, supplemented, or whatever else is necessary in order to achieve effective pollutant control.

Examples of particular items to evaluate during site inspections are listed below. This list is not intended to be comprehensive. During each inspection the inspector must evaluate overall pollutant control system performance as well as particular details of individual system components. Additional factors should be considered as appropriate to the circumstances.

1. Locations where vehicles enter and exit the site must be inspected for evidence of off-site sediment tracking. A stabilized construction access will be constructed where vehicles enter and exit. This access will be maintained or supplemented as necessary to prevent sediment from leaving the site on vehicles.
2. Sediment barriers must be inspected and, if necessary, they must be enlarged or cleaned in order to provide additional capacity. All material from behind sediment barriers will be stockpiled on the up slope side. Additional sediment barriers must be constructed as needed.
3. Inspections will evaluate disturbed areas and areas used for storing materials that are exposed to rainfall for evidence of, or the potential for, pollutants entering the drainage system. If necessary, the materials must be covered or original covers must be repaired or supplemented. Also, protective berms must be constructed, if needed, in order to contain runoff from material storage areas.

4. Grassed areas will be inspected to confirm that a healthy stand of grass is maintained. The site has achieved final stabilization once all areas are covered with building foundation or pavement, or have a stand of grass with at least 80 percent density. The density of 80 percent or greater must be maintained to be considered as stabilized. Areas must be watered, fertilized, and reseeded as needed to achieve this goal.
5. All discharge points must be inspected to determine whether erosion control measures are effective in preventing significant impacts to receiving waters.

The inspection reports must be completed entirely and additional remarks should be included if needed to fully describe a situation. An important aspect of the inspection report is the description of additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site was in compliance with the SWPPP at the time of inspection and specifically identify all incidents of non-compliance.

Within one (1) business day of the completion of an inspection, the *Qualified Inspector/Qualified Professional* shall notify the Owner/Operator and appropriate contractor or subcontractor of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one (1) business day of the notification and shall complete the corrective actions in a reasonable time frame.

In addition to the inspections performed by the *Qualified Inspector/Qualified Professional*, the Contractor shall perform routine inspections that include a visual check of all erosion and sediment control measures. All inspections and maintenance shall be performed in accordance with the inspection and maintenance schedule provided on the accompanying plans. Sediment removed from erosion and sediment control measures will be exported from the site, stockpiled for later use, or used immediately for general non-structural fill.

It is the responsibility of the general contractor to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or contractor practices could make it necessary to install more structural controls than are shown on the accompanying plans. (For example, localized concentrations of runoff could make it necessary to install additional sediment barriers, sediment traps, etc.) Assessing the need for additional controls and implementing them or adjusting existing controls will be a continuing aspect of this SWPPP until the site achieves final stabilization.

6.1.3 *Temporary Suspension of Construction Activities*

For construction sites where soil disturbance activities have been temporarily suspended (e.g. Winter shutdown) and temporary stabilization measures have been applied to all disturbed areas, the frequency of Qualified Inspector/Qualified Professional inspections can be reduced to once every 30 calendar days. Prior to reducing the frequency of inspections, the Owner/Operator shall notify the CT DEEP stormwater contact person and the City of Bridgeport in writing.

6.1.4 *Partial Project Completion*

For construction sites where soil disturbance activities have been shut down with partial project completion, all areas disturbed as of the project shutdown date have achieved final stabilization, and all post-construction stormwater management practices required for the completed portion of the project have been constructed in conformance with the SWPPP and

are operational, the inspections by the Qualified Inspector/Qualified Professional can stop. Prior to the shutdown, the Owner/Operator shall notify the CT DEEP stormwater contact person and the City of Bridgeport in writing.

If soil disturbance activities have not resumed within two years from the date of shutdown, a Notice of Termination (NOT) shall be properly completed and submitted to the CT DEEP.

6.1.5 *Post-Construction Inspections and Maintenance*

Inspections and maintenance of final stabilization measures and post-construction stormwater management practices shall be performed in accordance with Appendix G, once all disturbed areas are stabilized and all stormwater management systems are in place and operable.

6.2 Reporting Requirements

6.2.1 *Inspection Reports*

Pursuant to Section (5)(c)(1) of GP-015, inspection reports shall be prepared for the duration of construction, as outlined herein, and shall be signed by the *Qualified Inspector or Qualified Professional*. A sample inspection form is provided in Appendix **F**.

At a minimum, each inspection report shall record the following information:

1. Date and time of inspection.
2. Name and title of person(s) performing inspection.
3. A description of the weather and soil conditions (e.g. dry, wet, saturated) at the time of the inspection.
4. A description of the condition of the runoff at all points of discharge from the construction site. This shall include identification of any discharges of sediment from the construction site. Include discharges from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow.
5. A description of the condition of all natural surface waterbodies located within, or immediately adjacent to, the property boundaries of the construction site which receive runoff from disturbed areas. This shall include identification of any discharges of sediment to the surface waterbody.
6. Identification of all erosion and sediment control practices and pollution prevention measures that need repair or maintenance.
7. Identification of all erosion and sediment control practices and pollution prevention measures that were not installed properly or are not functioning as designed and need to be reinstalled or replaced.
8. Description and sketch of areas with active soil disturbance activity, areas that have been disturbed but are inactive at the time of the inspection, and areas that have been stabilized (temporary and/or final) since the last inspection.
9. Indication of the current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPPP and technical standards.

10. Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices and pollution prevention measures; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s).
11. Identification and status of all corrective actions that were required by previous inspection.
12. Color photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The *Qualified Inspector/Qualified Professional* shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The *Qualified Inspector/Qualified Professional* shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The *Qualified Inspector/Qualified Professional* shall attach the paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

6.2.2 Site Logbook

Pursuant to Section (5)(c)(1)(C) of GP-015, the Owner/Operator shall retain a copy of the General Permit, NOI, NOI Acknowledgment Letter, MS4 SWPPP Acceptance Form (if applicable), inspection reports, contractor and subcontractor certification forms, and all documentation necessary to demonstrate eligibility under the permit, at the construction site from commencement of construction activity until the date that all areas of disturbance have achieved final stabilization and the Notice of Termination has been submitted to the CT DEEP.

The Site Log Book shall be maintained on-site in a secure location (i.e. job trailer, on-site construction office, or mailbox with lock) and must be accessible during normal business hours to an individual performing a compliance inspection.

6.2.3 Post Construction Records and Archiving

Following construction, the Owner/Operator shall retain copies of the SWPPP, the complete construction Site Log Book, and records of all data used to complete the NOI to be covered by this permit, for a period of at least five years from the date that the site is finally stabilized. This period may be extended by the CT DEEP, at its sole discretion, at any time upon written notification.

Records shall be maintained of all post construction inspections and maintenance work performed in accordance with the requirements outlined in Appendix G.

7.0 SWPPP IMPLEMENTATION RESPONSIBILITIES

A summary of the responsibilities and obligations of all parties involved with compliance with the CT DEEP General Permit GP-015 conditions is outlined in the subsequent sections. For a complete listing of the definitions, responsibilities, and obligations, refer to the SPDES General Permit GP-015 presented in Appendix E.

7.1 Owner's/Operator's Responsibilities

1. Ensure that control measures are selected, designed, installed, implemented and maintained to minimize the discharge of pollutants and prevent a violation of the water quality standards, meeting the non-numeric effluent limitations in Part I.B.1.(a)-(f) of the SPDES General Permit
2. Retain the services of a "Qualified Inspector" or "Qualified Professional" as defined under Section 2.1, to provide the services outlined in Section 2.5 "Qualified Inspector's/Qualified Professional's Responsibilities."
3. Retain the services of a "Qualified Professional," as defined under Section 2.1, to provide the services outlined in Section 2.3 "Owner's/Operator's Engineers Responsibilities."
4. Submit the electronic version of the NOI (eNOI) along with the MS4 SWPPP acceptance form using the CT DEEP's website.
5. Prior to the commencement of construction activity, identify the contractor(s) and subcontractor(s) that will be responsible for implementing the erosion and sediment control measures and stormwater management practices described in this SWPPP. Have each of these contractors and subcontractors identify at least one "Trained Contractor", as defined under Section 2.1 that will be responsible for the implementation of the SWPPP. Ensure that the Contractor has at least one "Trained Contractor" on site on a daily basis when soil disturbance activities are being performed.
6. Schedule a pre-construction meeting which shall include the City of Bridgeport representative, Owner's/Operator's Engineer, Qualified Inspector, Contractor, and their sub-contractors to discuss responsibilities as they relate to the implementation of this SWPPP.
7. Retain the services of an independent certified materials testing and inspection firm operating under the direction of a licensed Professional Engineer to perform regular tests, inspections, and certifications of the construction materials used in the construction of all post-construction stormwater management practices.
8. Require the Contractor to fully implement the SWPPP prepared for the site by the Owner/Operator's Engineer to ensure that the provisions of the SWPPP are implemented from the commencement of construction activity until all areas of disturbance have achieved final stabilization and the Notice of Termination (NOT) has been submitted to the CT DEEP.
9. Forward a copy of the NOI Acknowledgement Letter received from the regulatory agency to the Owner's/Operator's Engineer for project records, and to the Contractor for display at the construction site.
10. Maintain a copy of the General Permit (GP-015), NOI, NOI Acknowledgement Letter, SWPPP, MS4 SWPPP Acceptance Form, inspection reports, Spill Prevention, Countermeasures, Cleanup ("SPCC") Plan, and all documentation in accordance with Section (5)(c)(1) of GP-015 necessary to demonstrate eligibility with the permit at the construction site, until all disturbed areas have achieved final stabilization and the NOT

has been submitted to the CT DEEP. Place documents in a secure location that must be accessible during normal business hours to an individual performing a compliance inspection.

11. Prior to submitting a Notice of Termination, ensure the post-construction stormwater management practice(s) and any right-of-way(s) needed to maintain such practice(s) have been deeded to the municipality in which the practice(s) is located.
12. Request and receive all SWPPP records from the Owner's/Operator's Engineer and archive those records for a minimum of five (5) years after the NOT is filed.
13. Implement the Post-Construction Inspections and Maintenance procedures outlined in Appendix D.
14. The NOI, SWPPP, and inspection reports required by GP-015 are public documents that the Owner/Operator must make available for review and copying by any person within five (5) business days of the Owner/Operator receiving a written request by any such person to review the NOI, SWPPP, or inspection reports. Copying of documents will be done at the requester's expense.
15. The Owner/Operator must keep the SWPPP current so that it at all times accurately documents the erosion and sediment controls practices that are being used or will be used during construction, and all post-construction stormwater management practices that will be constructed on the site. At a minimum, the Owner/Operator shall amend the SWPPP, including construction drawings:
 - a) Whenever the current provisions prove to be ineffective in minimizing pollutants in stormwater discharges from the project site;
 - b) Whenever there is a change in design, construction, or operation at the construction site that has or could have an effect on the discharge of pollutants; and
 - c) To address issues or deficiencies identified during an inspection by the "Qualified Inspector," the Department, or other Regulatory Authority.
 - d) To document the final construction conditions.
16. When property ownership changes or when there is a change in operational control over the construction plans and specifications, the original owner or operator must notify the new owner or operator, in writing, of the requirement to obtain permit coverage by submitting a NOI with the Department. For construction activities subject to the requirements of a regulated, traditional land use control MS4, the original owner or operator must also notify the MS4, in writing, of the change in ownership at least 30 calendar days prior to the change in ownership.
 - a) Once the new owner or operator obtains permit coverage, the original owner or operator shall then submit a completed NOT with the name and permit identification number of the new owner or operator to the Department. If the original owner or operator maintains ownership of a portion of the construction activity and will disturb soil, they must maintain their coverage under the permit.
 - b) Permit coverage for the new owner or operator will be effective as of the date the Department receives a complete NOI, provided the original owner or

operator was not subject to a sixty (60) business day authorization period that has not expired as of the date the Department receives the NOI from the new owner or operator.

7.2 Owner's/Operator's Engineer's Responsibilities

1. Prepare the SWPPP using good engineering practices, best management practices, and in compliance with all federal, state, and local regulatory requirements.
2. Prepare the electronic Notice of Intent (eNOI) and sign the "SWPPP Preparer Certification Form." Forward the Owner/Operator Certification Form to the Owner/Operator for signature.
3. Provide copies of the SWPPP to the City of Bridgeport once all signatures and attachments are complete.
4. Enter Contractor's information in Section 2.5 "SWPPP Participants" once a Contractor is selected by the Owner/Operator.
5. Participate in a pre-construction meeting which shall include the City of Bridgeport representative, Owner/Operator, Qualified Inspector, Contractor, and all subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.
6. Update the SWPPP each time there is a significant modification to the pollution prevention measures or a change of the principal Contractor working on the project who may disturb site soil.

7.3 Contractor's Responsibilities

1. Sign the SWPPP Contractor's Certification Form contained within Appendix B and forward to the Owner's/Operator's Engineer for inclusion in the Site Log Book.
2. Identify at least one Trained Contractor that will be responsible for implementation of this SWPPP. Ensure that at least one Trained Contractor is on site on a daily basis when soil disturbance activities are being performed. The Trained Contractor shall inspect the erosion and sediment control practices and pollution prevention measures being implemented within the active work area daily to ensure that they are being maintained in effective operating conditions at all times. If deficiencies are identified, the contractor shall begin implementing corrective actions within one business day and shall complete the corrective actions in a reasonable time frame.
3. Provide the names and addresses of all subcontractors working on the project site. Require all subcontractors who will be involved with construction activities that will result in soil disturbance to identify at least one Trained Contractor that will be on site on a daily basis when soil disturbance activities are being performed; and to sign a copy of the Subcontractor's Certification Form contained within Appendix C, then forward to the Owner's/Operator's Engineer for inclusion into the Site Log Book. This information must be retained as part of the Site Log Book.

4. Maintain a Spill Prevention and Response Plan in accordance with requirements outlined in Section 5 of this SWPPP. This plan shall be provided to the Owner's/Operator's Engineer for inclusion in the Site Log Book, prior to mobilization on-site.
5. Participate in a pre-construction meeting which shall include the City of Bridgeport representative, Owner/Operator, Owner's/Operator's Engineer, Qualified Inspector, and all subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.
6. If Contractor plans on utilizing adjacent properties for material, waste, borrow, or equipment storage areas, or if Contractor plans to engage in industrial activity other than construction (such as operating asphalt and/or concrete plants) at the site, Contractor shall submit appropriate documentation to the Owner's/Operator's Engineer so that the SWPPP can be modified accordingly.
7. Implement site stabilization, erosion and sediment control measures, and other requirements of the SWPPP.
8. In accordance with the requirements in the most current version of the NYS Standards and Specifications for Erosion and Sediment Control, conduct inspections of erosion and sediment control measures installed at the site to ensure that they remain in effective operating condition at all times. Prepare and retain written documentation of inspections as well as of all repairs/maintenance activities performed. This information must be retained as part of the Site Log Book.
9. Begin implementing corrective actions within one (1) business day of receipt of notification by the Qualified Inspector/Qualified Professional that deficiencies exist with the erosion and sediment control measures employed at the site. Corrective actions shall be completed within a reasonable time frame.
10. Maintain a record of the date(s) and location(s) that soil restoration is performed in accordance with the accompanying plans. The record that is to be maintained shall be a copy of the overall site grading plan delineating the area(s) and date(s) that the soil was restored.
11. Upon completion of all construction at the site, the contractor responsible for overall SWPPP Compliance shall sign the certification on their Contractor Certification Form indicating that: a.) all temporary erosion and sediment control measures have been removed from the site, b.) the on-site soils disturbed by construction activity have been restored in accordance with the SWPPP and the CT DEEP Division of Water's publication "Deep-Ripping and Decompaction," and c.) all permanent stormwater management practices required by the SWPPP have been installed in accordance with the contract documents.

7.4 Qualified Inspector's/Qualified Professional's Responsibilities

1. Participate in a pre-construction meeting with the City of Bridgeport representative, Owner/Operator, Owner/Operator's Engineer, Contractor, and their subcontractors to discuss responsibilities as they relate to the implementation of this SWPPP.

2. Conduct an initial assessment of the site prior to the commencement of construction and certify in an inspection report that the appropriate erosion and sediment control measures described within this SWPPP have been adequately installed and implemented to ensure overall preparedness of the site.
3. Provide on-site inspections to determine compliance with the SWPPP. Because this project involves the disturbance of greater than five (5) acres of soil at any one time, site inspections shall occur at an interval of at least twice every seven (7) calendar days for as long as greater than five (5) acres of soil remain disturbed, with the inspections separated by a minimum of at least two (2) full calendar days. A written inspection report shall be provided to the Owner/Operator and general contractor within one business day of the completion of the inspection, with any deficiencies identified. A sample inspection form is provided in Appendix F.
4. Prepare an inspection report subsequent to each and every inspection that shall include/address the items listed in Part IV.C.4.a-k of GP-015. Sign all inspection reports and maintain on site with the SWPPP.
5. Notify the owner/operator and appropriate contractor or subcontractor of any corrective actions that need to be taken.
6. Prepare a construction Site Log Book to be used as a record of all inspection reports generated throughout the duration of construction. Ensure that the construction Site Log Book is maintained and kept up-to-date throughout the duration of construction.
7. Review the Contractor's SWPPP records on a periodic basis to ensure compliance with the requirements for daily reports, soil restoration, inspections, and maintenance logs.
8. Based on the as-built survey and material testing certifications performed by others, the Qualified Professional shall perform evaluations of the completed stormwater management practices to determine whether they were constructed in accordance with this SWPPP.
9. The Qualified Professional shall conduct a final site assessment and prepare a certification letter to the Owner/Operator indicating that, upon review of the material testing and inspection reports prepared by the firm retained by the Owner/Operator, review of the completed topographic survey, and evaluation of the completed stormwater management facilities, the stormwater management facilities have been constructed substantially in accordance with the contract documents and should function as designed.
10. Prepare the Notice of Termination (NOT). The Qualified Professional shall sign the NOT Certifications VI (Final Stabilization) and forward the NOT to the Owner/Operator for signature on Certification VIII (Owner/Operator Certification).
11. Transfer the SWPPP documents, along with all NOI's, permit certificates, NOT's, construction Site Log Book, and written records required by the General Permit to the Owner/Operator for archiving.

7.5 SWPPP Participants

1. Owner's/Operator's Engineer ¹: LaBella Associates, DPC
21 Fox Street
Poughkeepsie, **NY**
Phone: (845) 454-3980
Fax: Insert Phone Number

2. Owner/Operator ²: Connecticut Sports Group
9W Broad Street, Suite 430
Stamford, CT 06902

3. Contractor^{3,6}:
Name and Title: _____
Company Name: _____
Mailing Address: _____

Phone: _____
Fax: _____

¹ Refer to Appendix E for the SWPPP Preparer Certification Form.

² Refer to Appendix E for the Owner/Operator Certification Form.

⁵ Refer to Appendix E for Contractor and Subcontractor Certification Form.

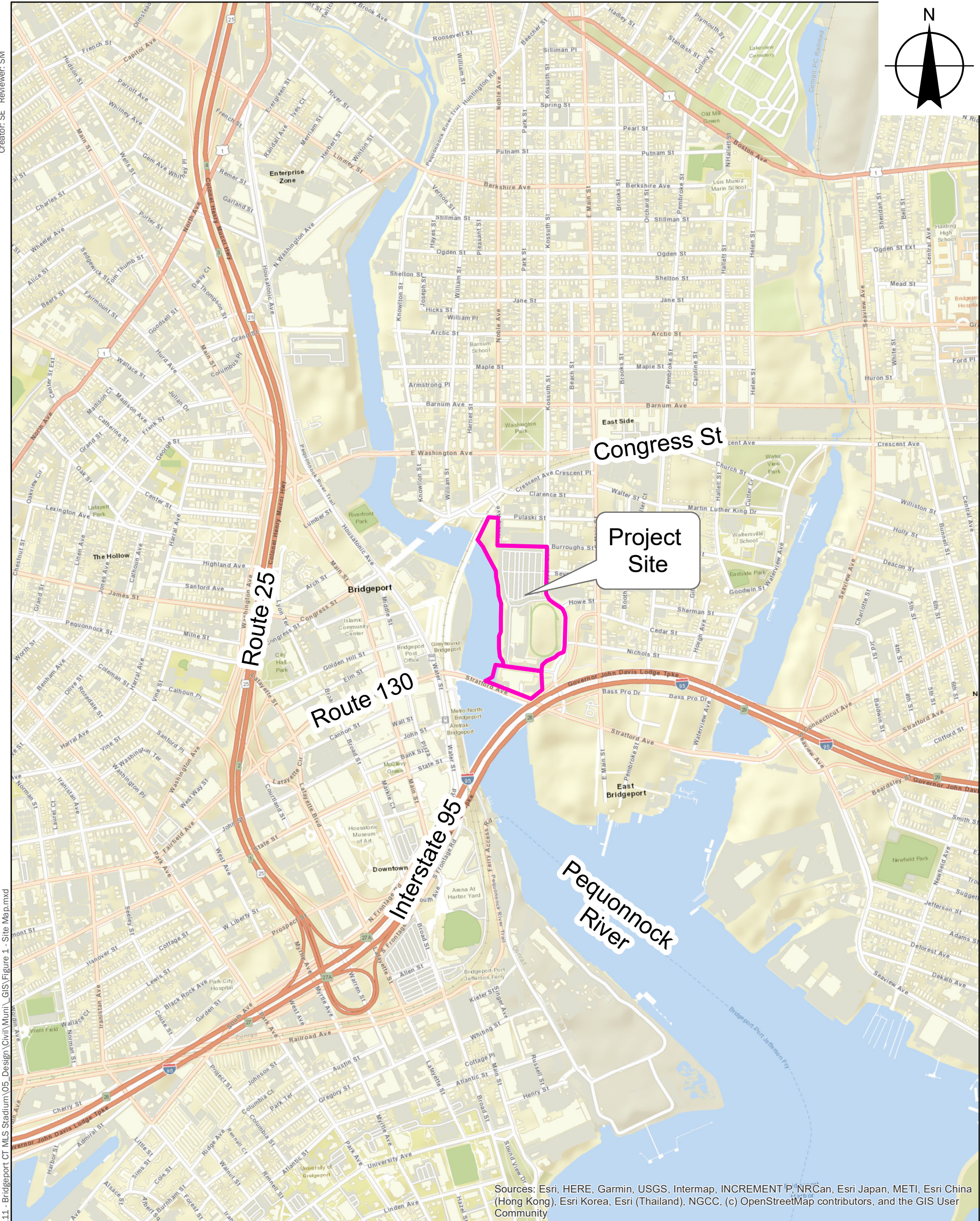
⁶ Contractor's information to be entered once the Contractor has been selected.



APPENDIX A: FIGURES

- A-1: Site Location Map
- A-2: Soils Map
- A-3: Historic Places Screening Map
- A-4: Environmental Resource Map
- A-5: FEMA Firm Map

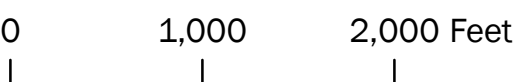
FIGURE 1 - PROJECT SITE LOCATION MAP




Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Path: B:\GLOBAL\Projects\Connecticut\Innovation\2230111 - Bridgeport CT\MLS\Stadium\05_Design\Civil\Muni\GIS\Figure 1 - Site Map.mxd

Creator: SE Reviewer: SM



 Approx. Parcel Boundary



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for State of Connecticut, Western Part



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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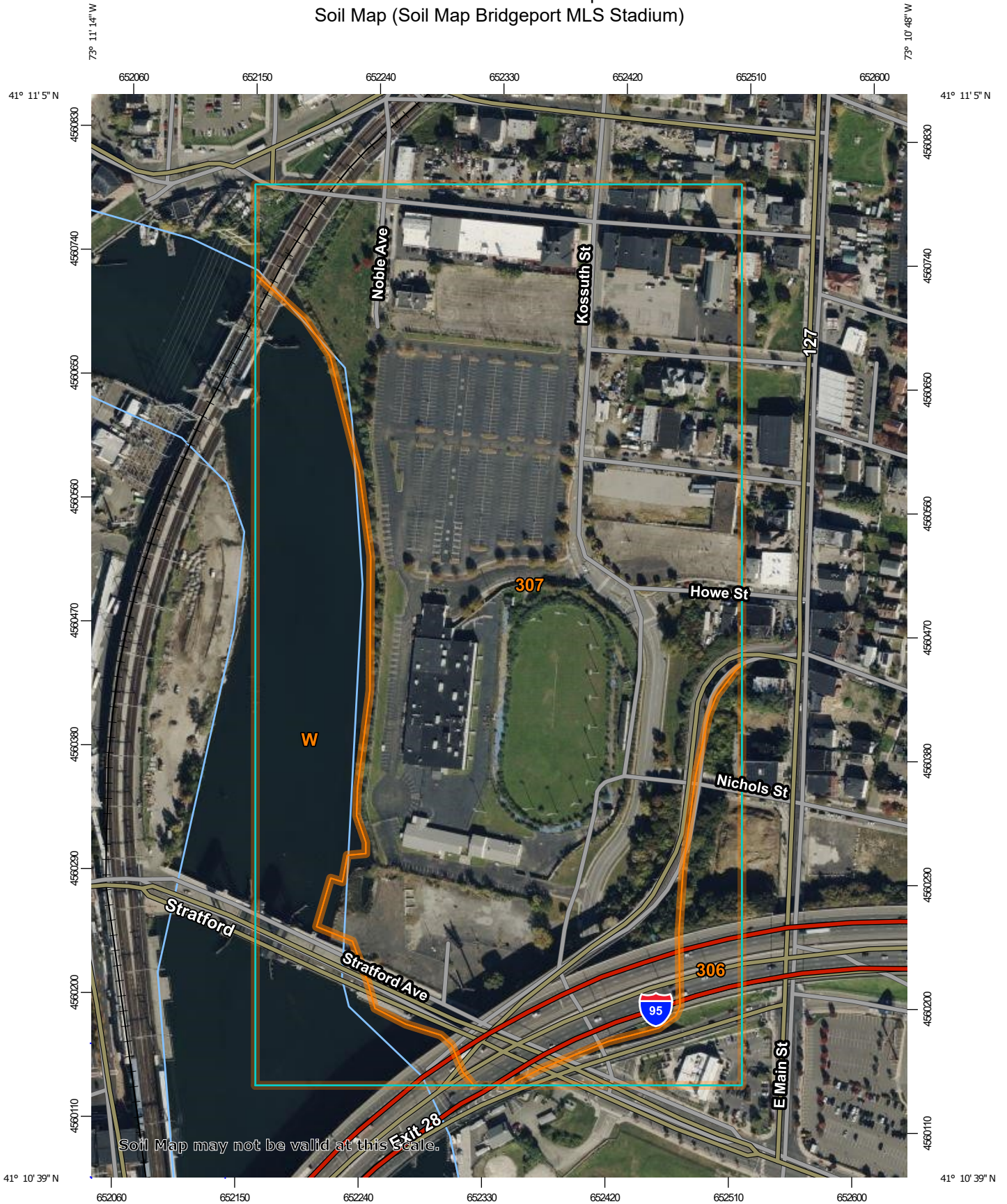
identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map (Soil Map Bridgeport MLS Stadium)



Map Scale: 1:3,830 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot


 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut, Western Part
 Survey Area Data: Version 1, Sep 15, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 21, 2022—Oct 27, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Soil Map Bridgeport MLS Stadium)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
306	Udorthents-Urban land complex	3.7	6.4%
307	Urban land	42.9	74.4%
W	Water	11.1	19.2%
Totals for Area of Interest		57.6	100.0%

Map Unit Descriptions (Soil Map Bridgeport MLS Stadium)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

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pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

State of Connecticut, Western Part

306—Udorthents-Urban land complex

Map Unit Setting

National map unit symbol: 9lmg
Elevation: 0 to 2,000 feet
Mean annual precipitation: 43 to 56 inches
Mean annual air temperature: 45 to 55 degrees F
Frost-free period: 120 to 185 days
Farmland classification: Not prime farmland

Map Unit Composition

Udorthents and similar soils: 50 percent
Urban land: 39 percent
Minor components: 11 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Udorthents

Setting

Parent material: Human-transported material

Typical profile

^A - 0 to 5 inches: loam
^C1 - 5 to 21 inches: gravelly loam
^C2 - 21 to 79 inches: very gravelly sandy loam

Properties and qualities

Slope: 0 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to high (0.00 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Urban Land

Typical profile

M - 0 to 6 inches: cemented material

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: Unranked

Minor Components

Udorthents, wet substratum

Percent of map unit: 9 percent
Hydric soil rating: No

Rock outcrop

Percent of map unit: 2 percent
Landform: Hills
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

307—Urban land

Map Unit Setting

National map unit symbol: 9lmh
Elevation: 0 to 2,000 feet
Mean annual precipitation: 43 to 56 inches
Mean annual air temperature: 45 to 55 degrees F
Frost-free period: 120 to 185 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Typical profile

H - 0 to 6 inches: material

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: D
Hydric soil rating: Unranked

Minor Components

Unnamed, undisturbed soils

Percent of map unit: 10 percent
Hydric soil rating: No

Udorthents, wet substratum

Percent of map unit: 10 percent
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

W—Water

Map Unit Composition

Water: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

References

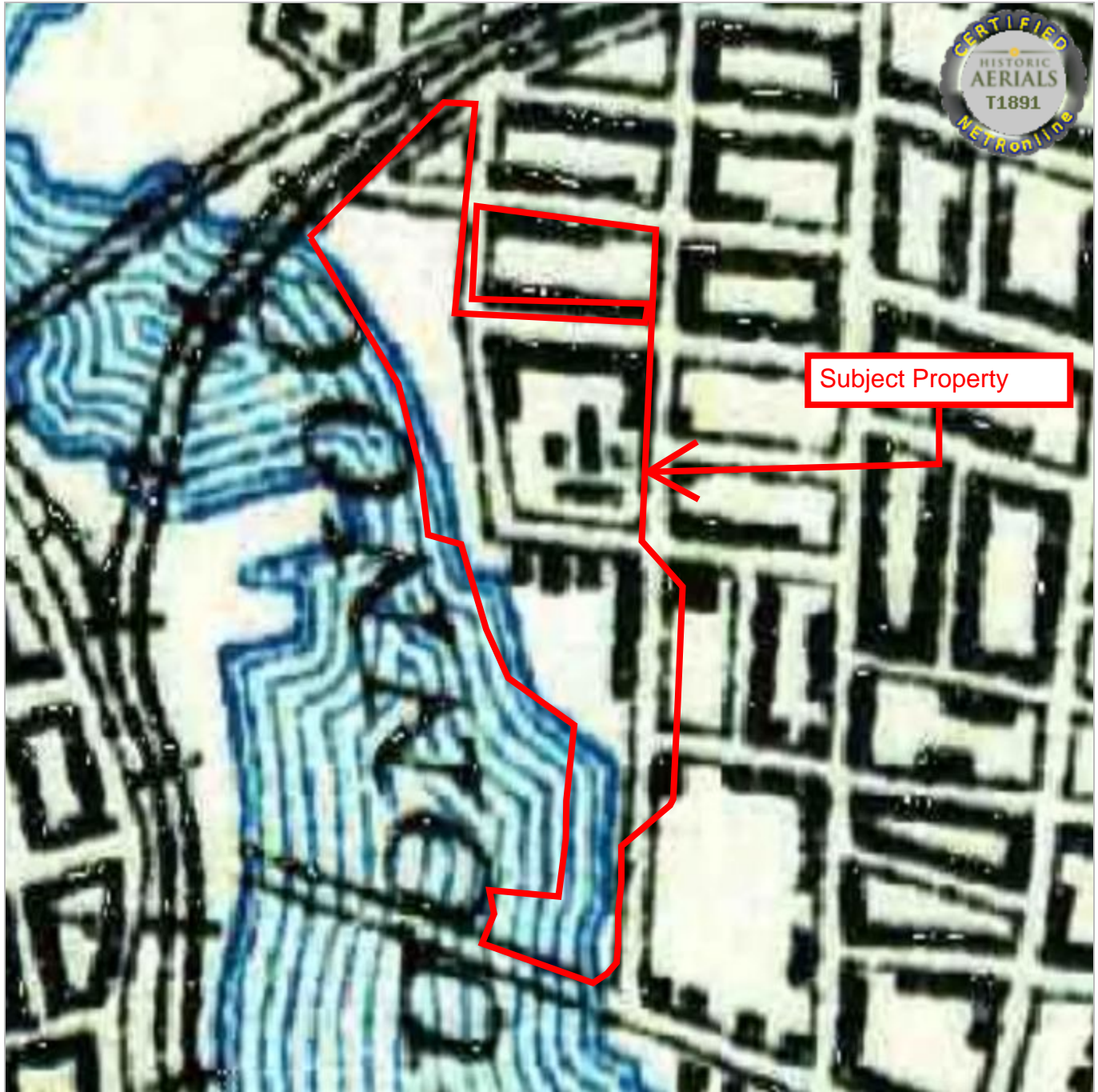
- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

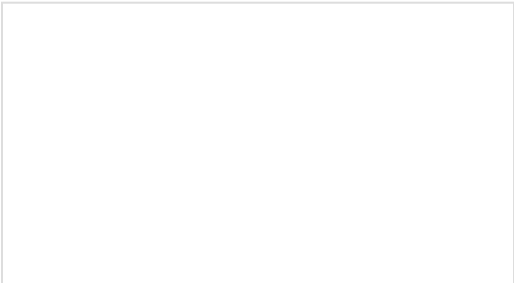
United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

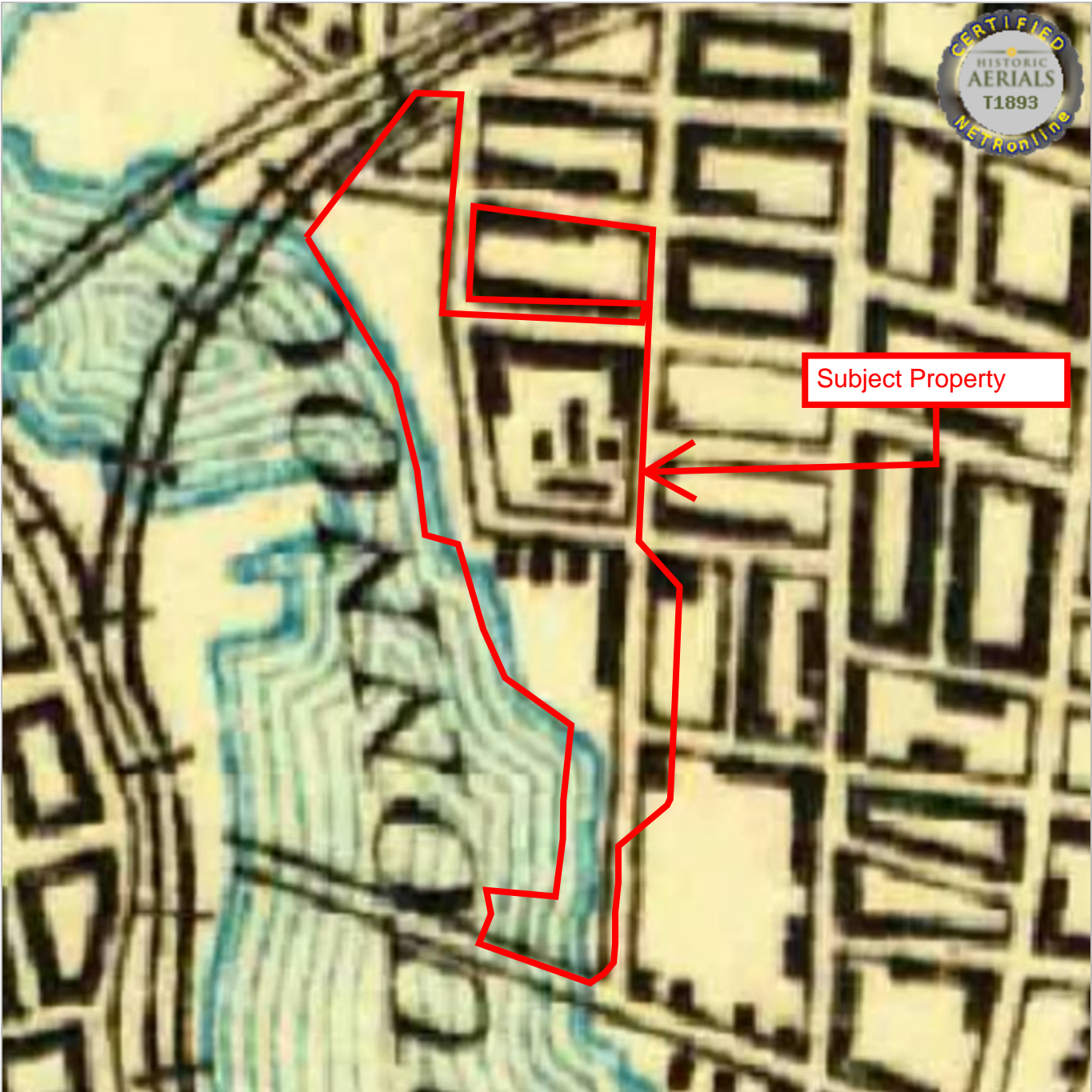
United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf



1891 topographical map

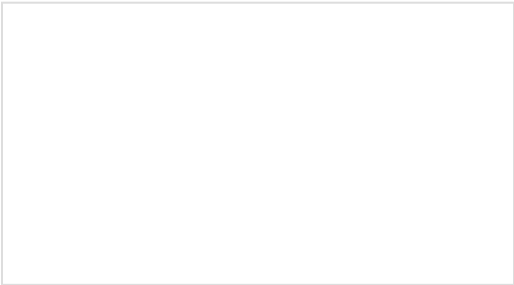
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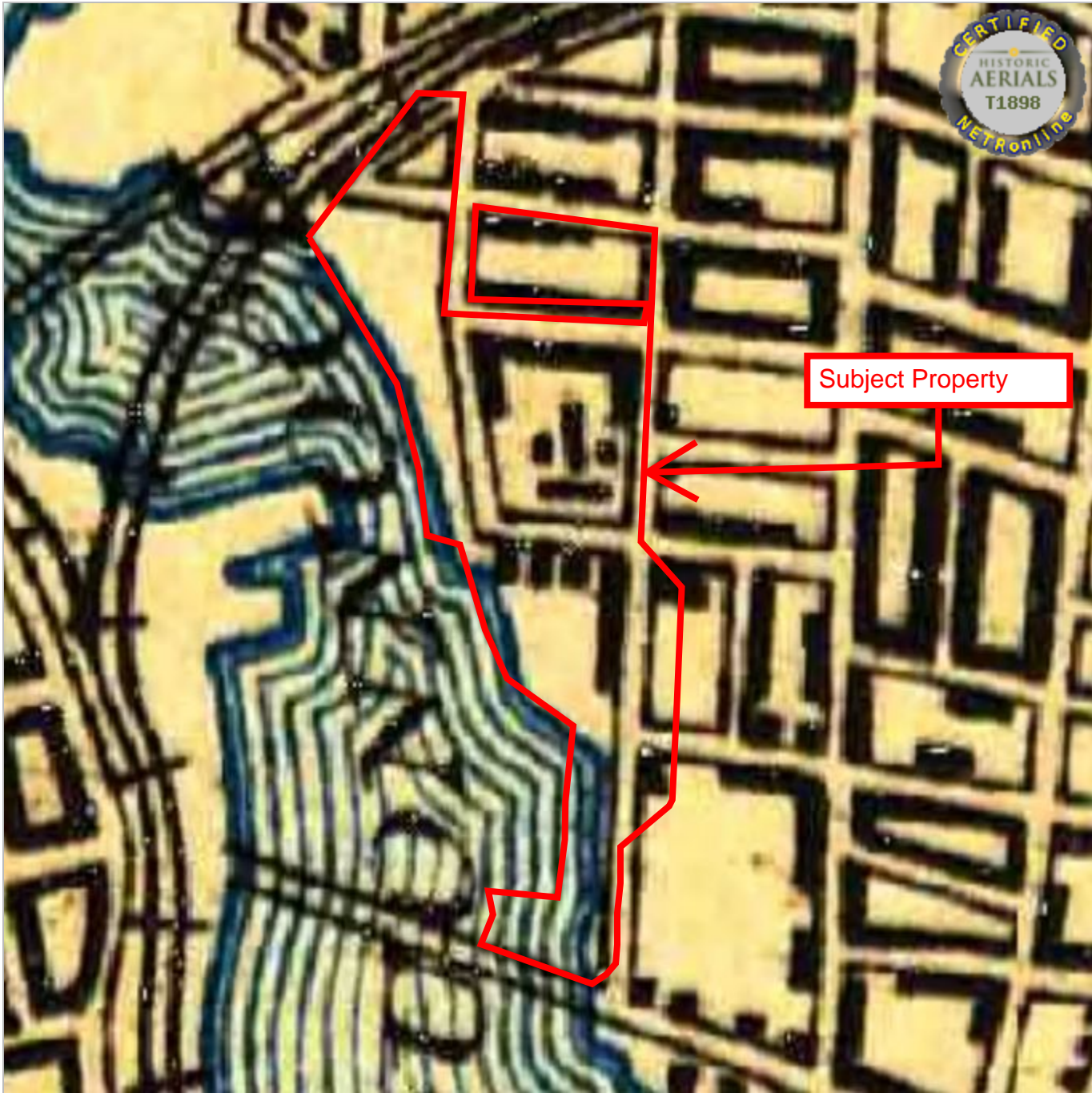




1893 topographical map

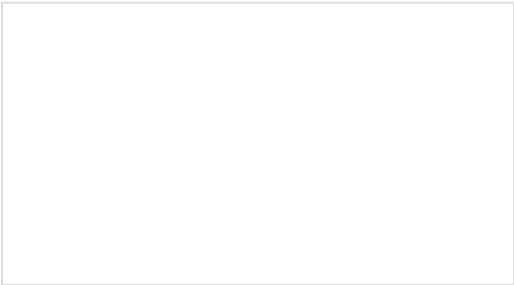
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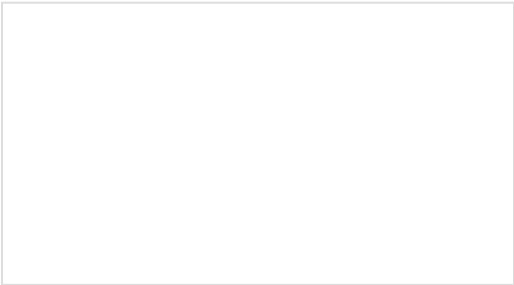
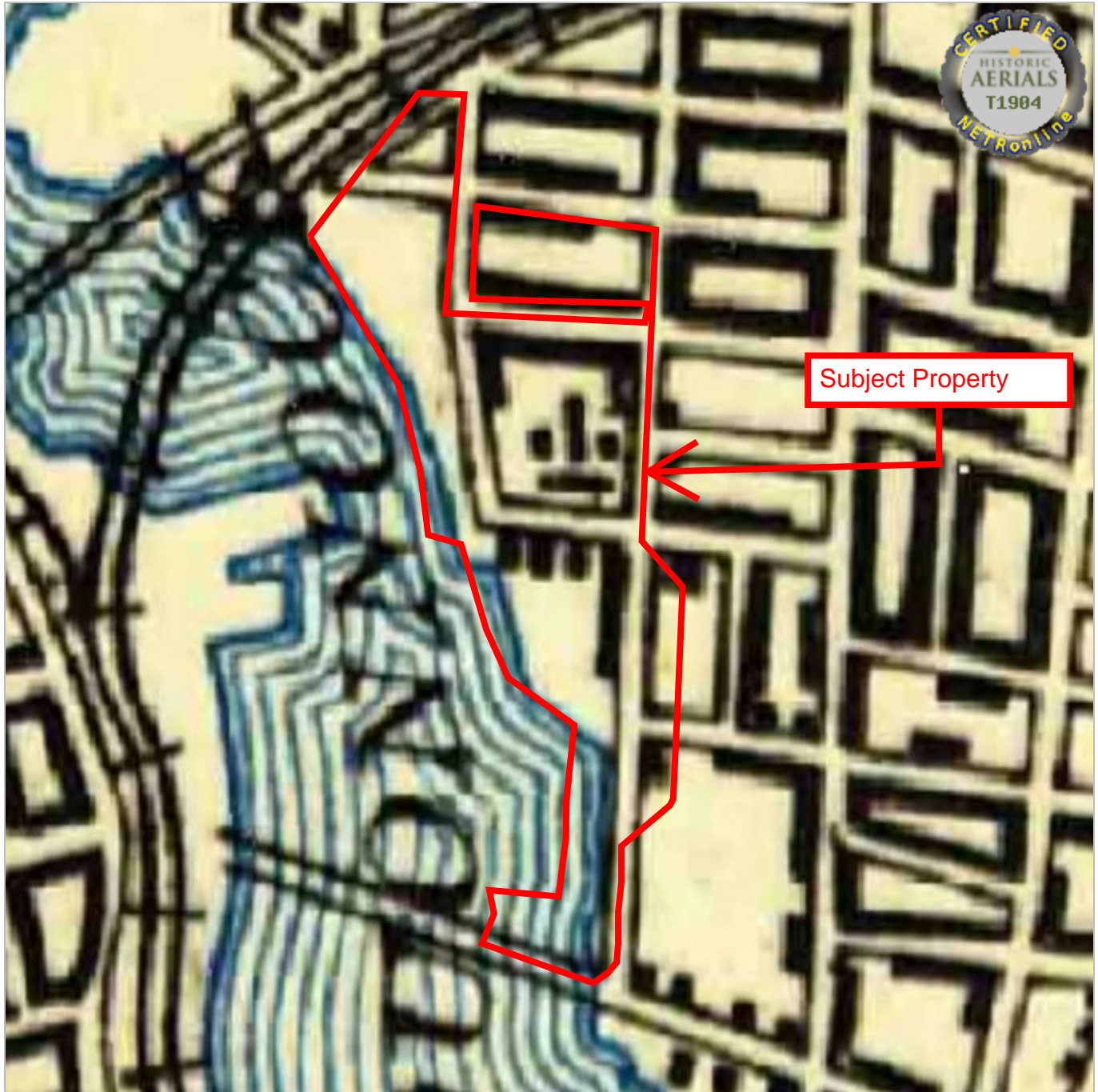




1898 topographical map

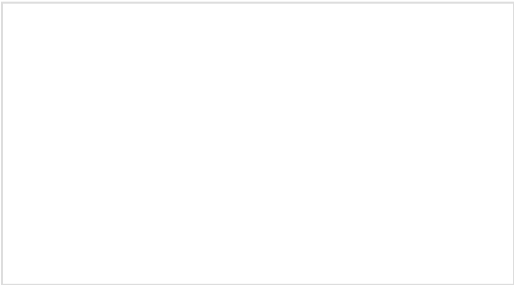
USGS, 8506774 BRIDGEPORT 15 X 15 MINUTE (1893, Revised 1898)





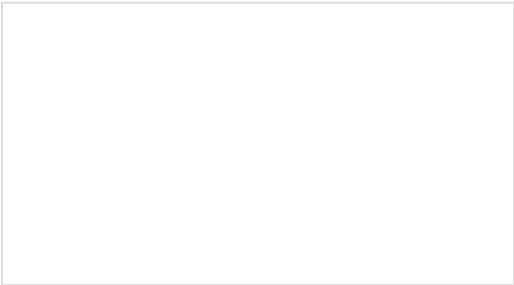
1904 topographical map

USGS, 5566224 BRIDGEPORT 15 X 15 MINUTE (1893, Revised 1904)



1912 topographical map

USGS, 8506776 BRIDGEPORT 15 X 15 MINUTE (1893, Revised 1912)



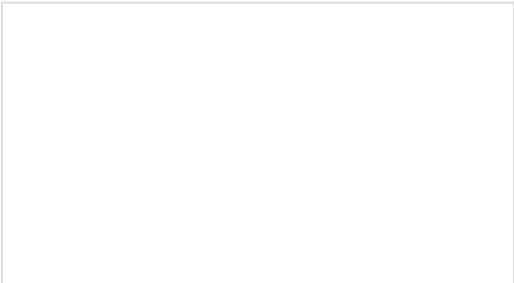
1925 topographical map

USGS, 5566232 BRIDGEPORT 15 X 15 MINUTE (1893, Revised 1925)



1935 topographical map

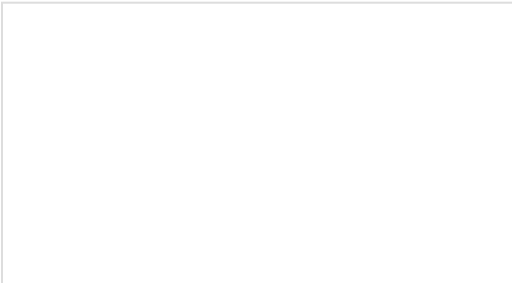
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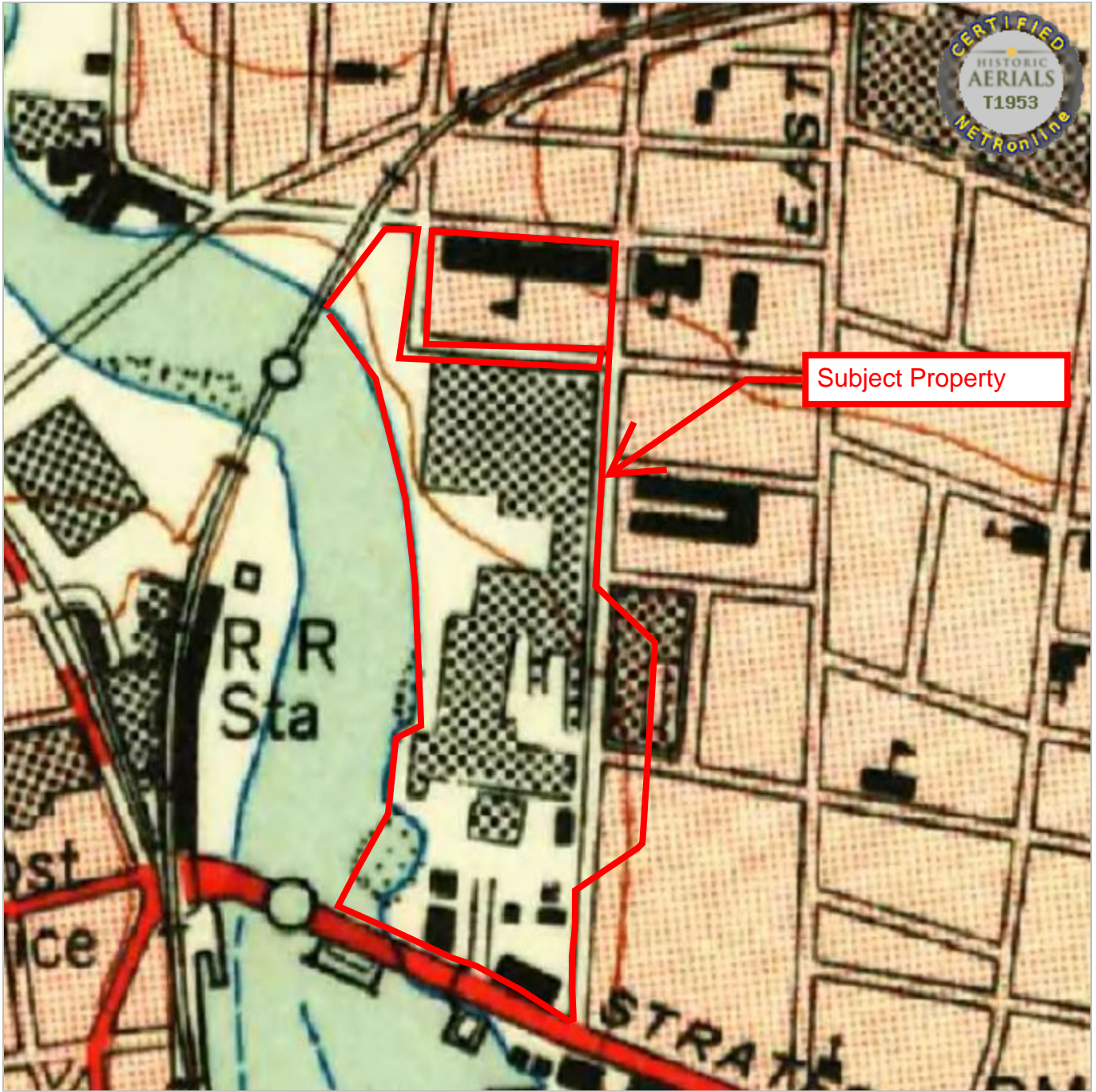




1941 topographical map

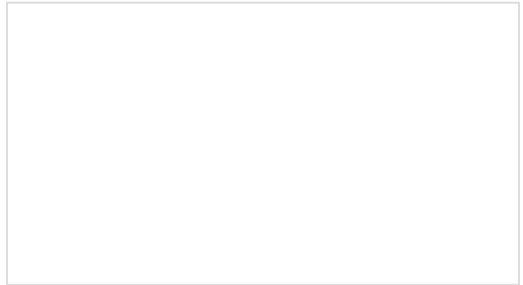
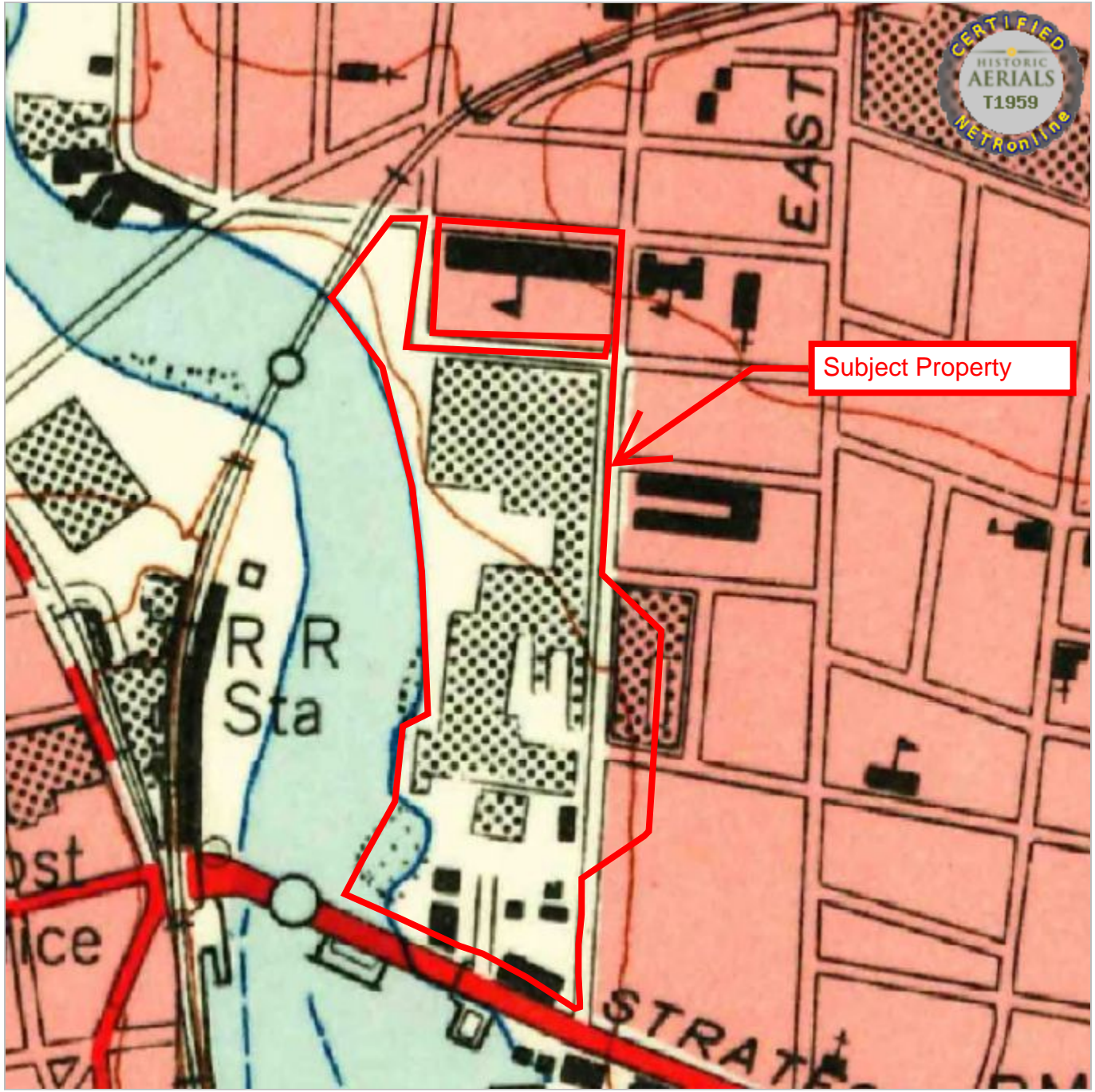
USGS, 8506780 BRIDGEPORT 15 X 15 MINUTE (1893, Revised 1941)





1953 topographical map

USGS, 5565902 BRIDGEPORT 7.5 X 7.5 MINUTE (1951, Revised 1953)



1959 topographical map

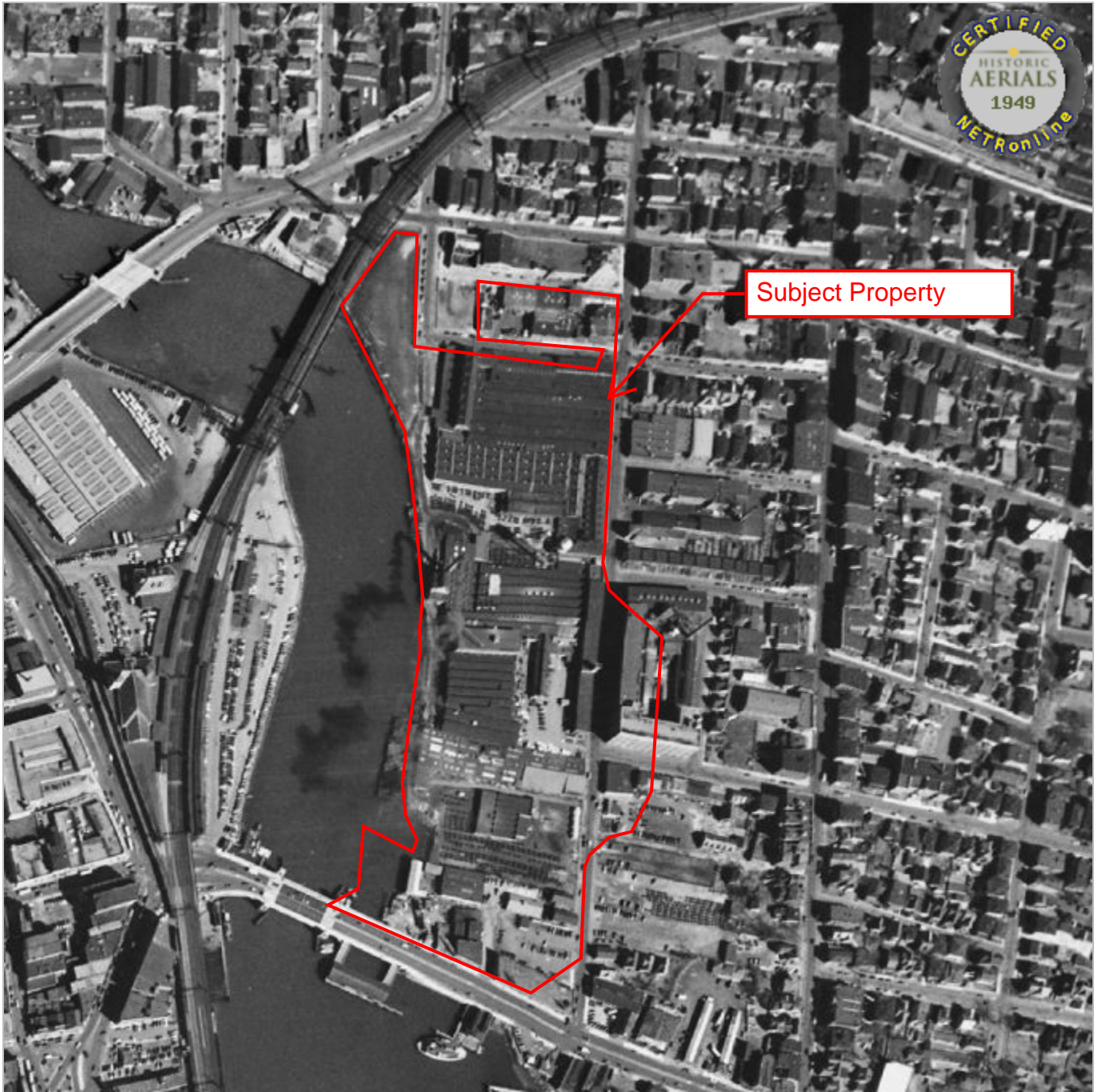
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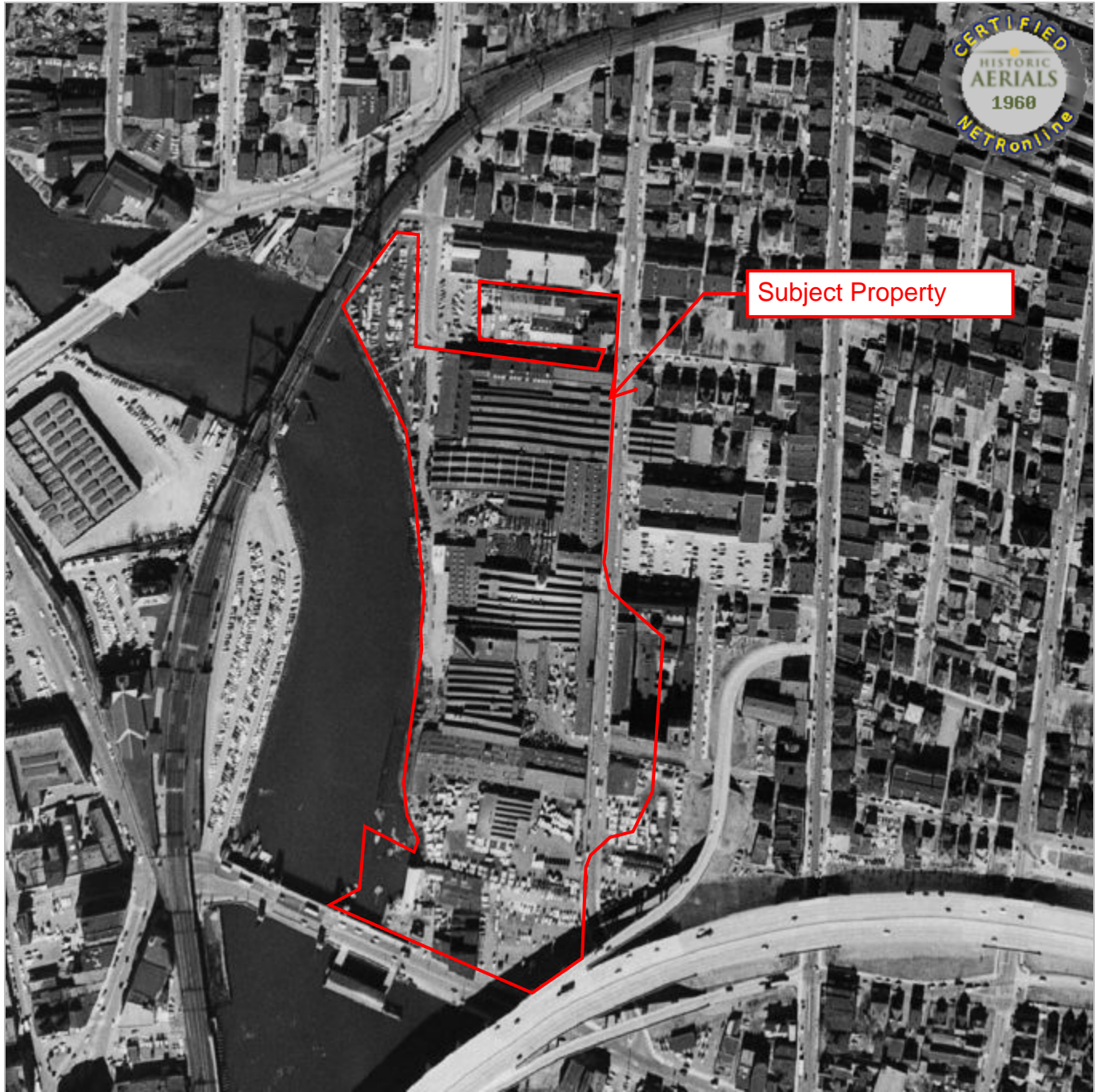
1934 aerial photograph

Connecticut State Library (1934-03-01 - 1934-04-30)





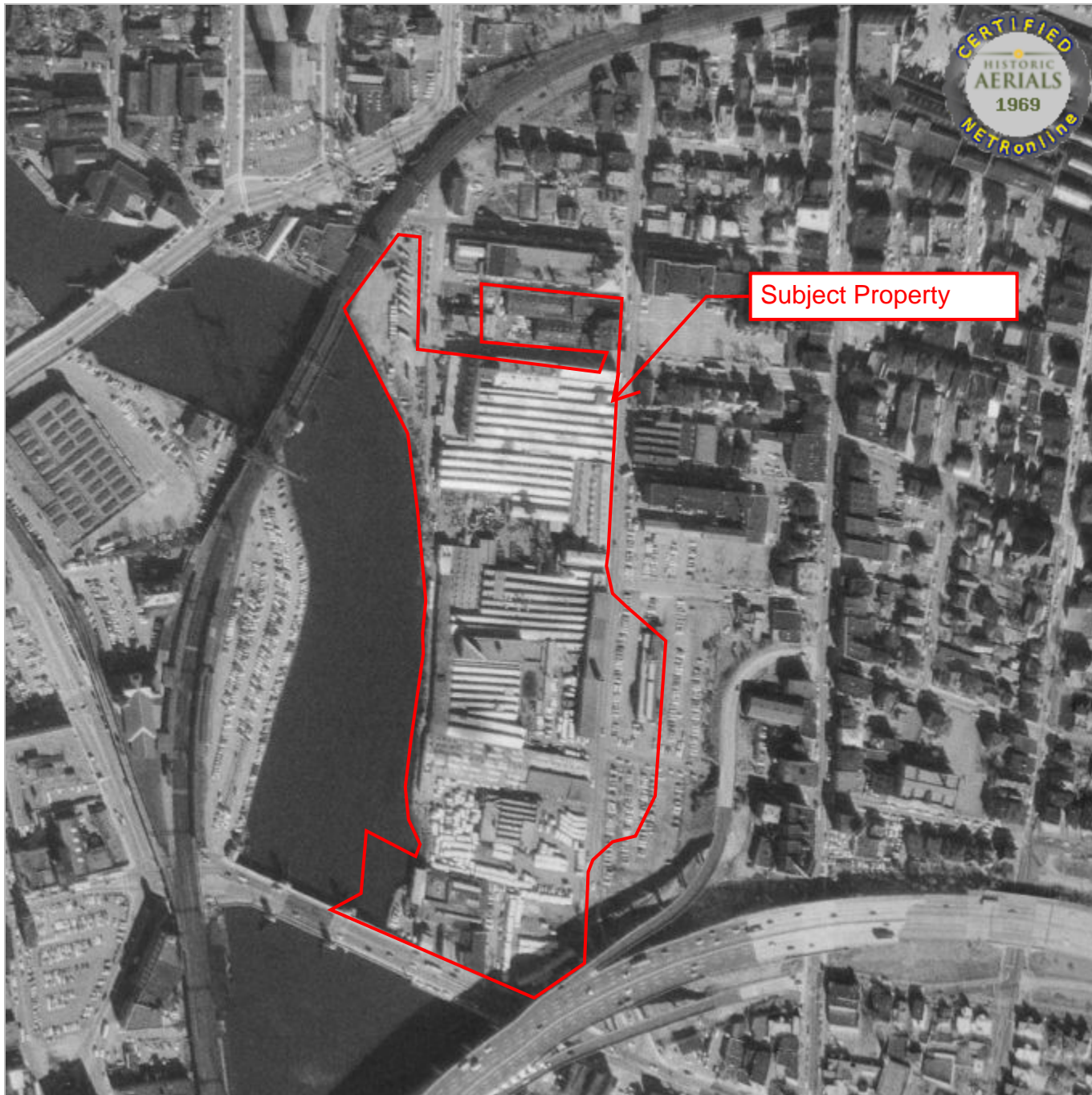
1949 aerial photograph
USGS (1949-03-14 - 1949-05-05)



Subject Property



1960 aerial photograph
USGS (1960-02-04 - 1960-02-08)



Subject Property



1969 aerial photograph
USGS (1969-11-13 - 1969-11-25)





Subject Property



1972 aerial photograph
USGS (1972-03-11 - 1972-03-11)



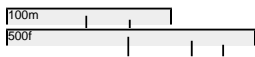


Subject Property



1985 aerial photograph
USDA NHAP83 (1985-03-16 - 1985-04-17)





1991 aerial photograph
USGS DOQQ (1991-03-31 - 1991-04-21)





Subject Property



2004 aerial photograph

USGS Hi Res Orthoimagery (2004-04-01 - 2004-04-30)



2008 aerial photograph

USGS Hi Res Ortho-Imagery (2008-04-01 - 2008-04-30)
USDA (2008-07-03 - 2008-07-16)



Subject Property

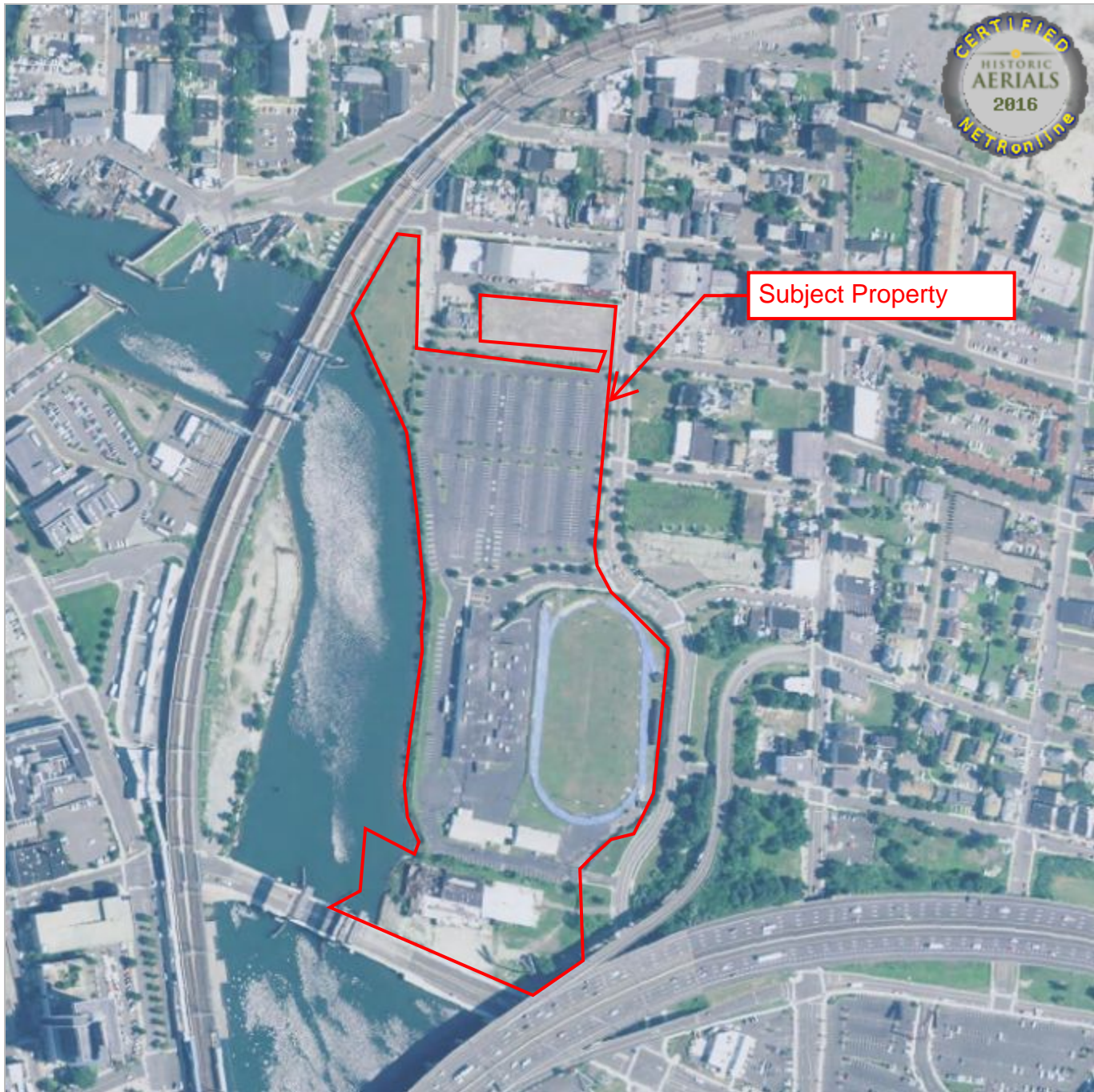


2012 aerial photograph

USDA (2012-07-06 - 2012-08-17)

USGS Hi Res Orthoimagery (2012-03-01 - 2012-03-31)





Subject Property



2016 aerial photograph
USDA (2016-07-03 - 2016-08-03)



Subject Property



2021 aerial photograph
USDA (2021-11-03 - 2021-11-06)





Generated by eNDDDB on:
8/26/2024

Tilo Krulle
LABELLA ASSOCIATES, P.C.
21 Fox St
Poughkeepsie, NY 12601
TKrulle@LaBellapc.com

Subject: Bridgeport MLS
Filing # 117518
NDDDB – New Determination Number: 202408664
255 KOSSUTH ST
BRIDGEPORT

Expiration Date: 8/26/2026

Current data maintained by the Natural Diversity Database (NDDDB) and housed in the DEEP ezFile portal, indicates that populations of the following State Endangered, Threatened, or Special Concern species (RCA Sec. 26-306) have been documented within the project area or in close proximity to the proposed Building and Infrastructure Development (including stormwater discharge associate with construction)/New Commercial, Industrial, Governmental, Bridgeport MLS.

Peregrine falcon (*Falco peregrinus*)

In accordance with the project information provided in your request submittal, implementation of the following Best Management Practices will avoid negative impacts to listed species.

Common Name	Peregrine falcon
Scientific Name	<i>Falco peregrinus</i>
Taxa	bird
Status ¹	T
General Ecology	Habitat: cliff faces and under bridges. This falcon nests from April through July and is very susceptible to human disturbance during this time. Peregrine falcons are very territorial during the breeding season and will make their presence known if in close proximity to a nest site. The wildlife division recommends a 660' setback from nests with no public access. To determine if a nest in your area is active this year contact the DEEP Wildlife Biologist coordinating Peregrine falcon monitoring (Brian.hess@ct.gov).
Best Management Practice	<p>Apply best practices as outlined in USFWS Guidelines for Communications Towers: www.fws.gov/midwest/endangered/section7/telecomguidance.html</p> <p>Our mapped records indicate your project boundary is within 1/2mile, but farther than 660ft of this sensitive resource.</p>

	<p style="text-align: center;">Avoid creating collision hazards for Birds and Bats. Glass collisions including residential windows indiscriminately kill 1 billion birds a year. Develop or renovate your building façade and site design strategy to make the building and site structures visible barriers to birds. Bat collisions are less well understood, but smooth vertical surfaces affect bats' abilities to avoid collisions.</p> <p style="text-align: center;">Limit interior and exterior night lighting. Lighting, temporary or permanent should not be directed towards suitable bat habitats. Security lighting should always be down-shielded to keep light within the boundaries of the site.</p> <p style="text-align: center;">Take steps necessary to assure that construction is designed, built, and operated in accordance with the standards and requirements of the LEED Green Building Rating System Pilot Credit #55. The USGBC releases revised versions of the LEED Building Rating System on a regular basis, and you should refer to the most current version when beginning a new building or construction project or renovation.</p> <p style="text-align: center;">Visit American Bird Conservancy website for more guidance: https://abcbirds.org/program/glass-collisions/</p>
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¹E = State Endangered, T = State Threatened, SC = State Special Concern, FE = Federally Endangered, FT = Federally Threatened, NA = Not applicable.

Your submission information indicates that your project requires a state permit, license, registration, or authorization, or utilizes state funding or involves state agency action. This NDDDB – New determination may be utilized to fulfill the Endangered and Threatened Species requirements for state-issued permit applications, licenses, registration submissions, and authorizations.

Please be aware of the following limitations and conditions:

Natural Diversity Database information includes all information regarding listed species available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, land owners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as enhance existing data. Such new information is incorporated into the Database and accessed through the ezFile portal as it becomes available. New information may result in additional review, and new or modified restrictions or conditions may be necessary to remain in compliance with certain state permits.

- Each state agency is required to conserve endangered and threatened species and their essential habitats, and ensure that any action authorized, funded or performed by such agency does not threaten the continued existence of any endangered or threatened species or result in the destruction or adverse modification of habitat designated as essential to such species (CGS 26-310). Therefore, the restrictions and conditions outlined above for Endangered and Threatened species **MUST** be implemented and abided by in order to utilize this NDDDB – New Determination in securing any state permit, license, authorization, or registration or for any actions performed or funded by state agencies.
- During your work listed species may be encountered on site. A report must be submitted by the observer to the Natural Diversity Database promptly and additional review and restrictions or conditions may be necessary to remain in compliance with certain state permits. Please fill out the [appropriate survey form](#) and follow the instructions for submittal.
- Your project involves the state permit application process or other state involvement, including

state funding or state agency actions; please note that consultations with your permit analyst or the agency may result in additional requirements. In this situation, additional evaluation of the proposal by the DEEP Wildlife Division may be necessary and additional information, including but not limited to species-specific site surveys, may be required. Any additional review may result in specific restrictions or conditions relating to listed species that may be found at or in the vicinity of the site.

- If your project involves preparing an Environmental Impact Assessment, this NDDDB consultation and determination should not be substituted for conducting biological field surveys assessing on-site habitat and species presence.
- This determination applies only to the project as described in the submission and summarized at the end of this letter. Please re-submit an updated Request for Review if the project's scope of work and/or timeframe changes, including if work has not begun by 8/26/2026.
- If biological surveys have been conducted in accordance with Best Management Practices provided, please forward a copy of the results to the address listed at the end of this letter. Include the Project Name and Determination Number on all correspondence.

The NDDDB – New determination for the Bridgeport MLS at 255 KOSSUTH ST, BRIDGEPORT, as described in the submitted information and summarized at the end of this document is valid until 8/26/2026. This determination applies only to the project as described in the submission and summarized at the end of this letter. Please re-submit an updated Request for Review if the project's scope of work and/or timeframe changes, including if work has not begun by 8/26/2026.

This letter is computer generated and carries no signature. If however, any clarification is needed, or, if you have further questions, please contact the following:

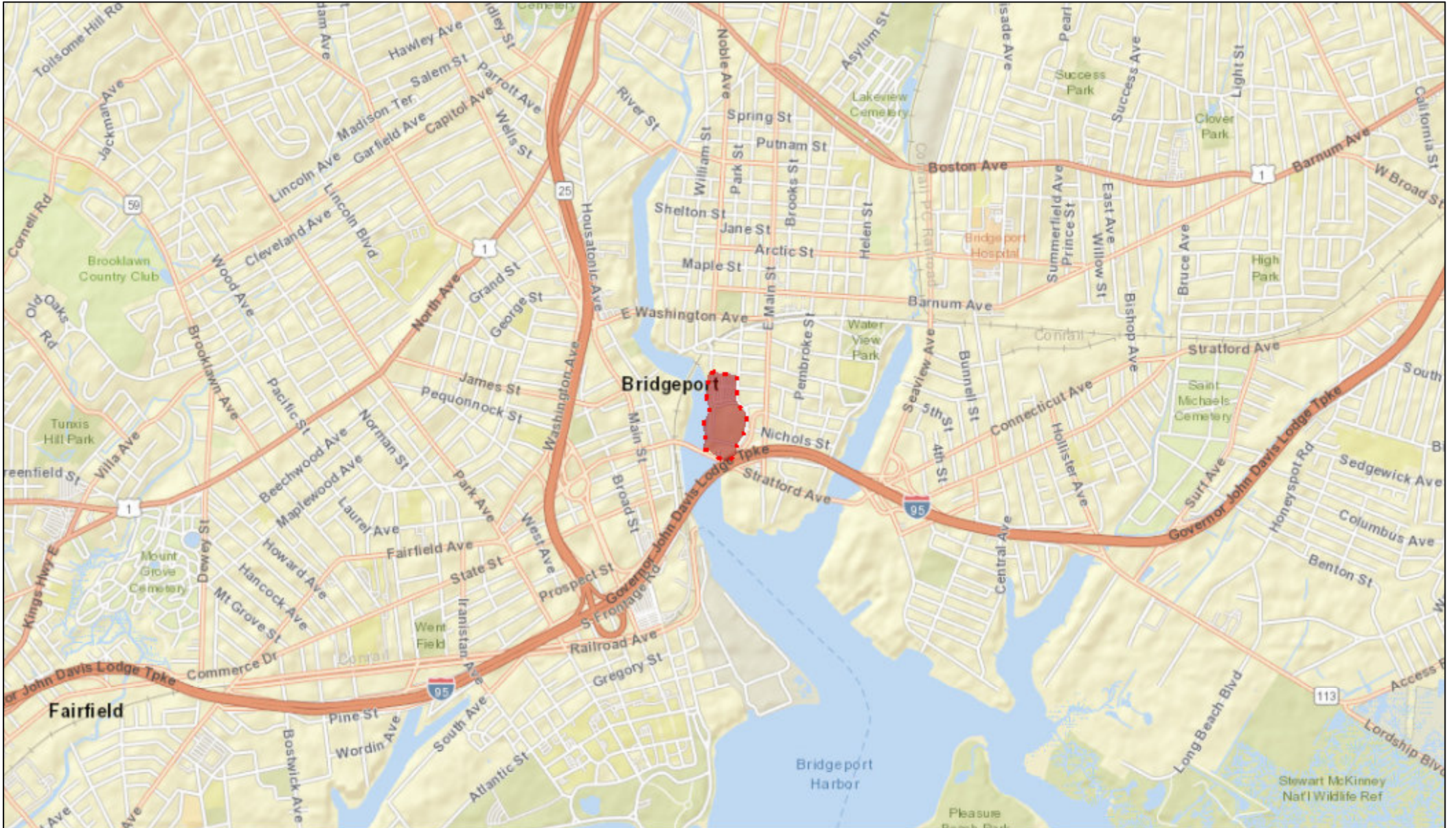
CT DEEP Bureau of Natural Resources
Wildlife Division
Natural Diversity Database
79 Elm Street, 6th floor
Hartford, CT 06106-5127
(860) 424-3011
deep.nddbrequest@ct.gov

Please reference the NDDDB – New number provided in this letter when you e-mail or write. Thank you for submitting your project through DEEP's ezFile portal for Natural Diversity Database reviews.

Application Details:

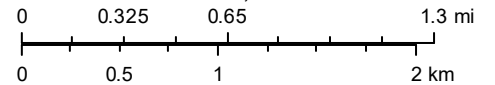
Project involves federal funds or federal permit:	No
Project involves state funds, state agency action, or relates to CEPA request:	No
Project requires state permit, license, registration, or authorization:	Yes
DEEP enforcement action related to project:	
Project Type:	Building and Infrastructure Development (including stormwater discharge associate with construction)
Project Sub-type:	New Commercial, Industrial, Governmental
Project Name:	Bridgeport MLS
Project Description:	

Bridgeport MLS Map



August 26, 2024

1:38,389



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

July 16, 2024

Bridgeport Stadium
255 Kosuth Street
Bridgeport, CT 06608

RE: Floodplain Assessment for Proposed Bridgeport Stadium

BACKGROUND

LaBella is designing a modular soccer stadium and related improvements at 255 Kossuth Road and 141 Stratford Avenue totaling 20.45 acres. The site is currently occupied by an unused dog track and associated 2-story, 47,000 square-foot (sq-ft) building, 1-story, 16,000 sq-ft and a 5-acre parking lot (see Figure 1). The project site is in the floodplain fringe of Zone AE (100-year) Special Flood Hazard Area. It is outside of the 100-year regulatory floodway.

LaBella performed a hydraulic analysis to assess potential impacts resulting from the construction and grading associated with the proposed soccer stadium. The 2013 Fairfield County Flood Insurance Study (FIS) and applicable Flood Insurance Rate Map (FIRM) 09001C0441G illustrate that the existing dog track and 16,000 sq-ft building are within the floodplain fringe. However, the large parking lot and a majority of the 47,000 sq-ft building are outside of the floodplain fringe. The entire site is inundated by the base (100-year) flood, except for the parking lot and a portion of the 47,000 sq-ft building (see Figures 2 and 3).

Per State regulations, any proposed development constructed in a regulated floodplain must result in 1.0 foot or less of rise for the base (100-year) elevation.

PROCEDURE

LaBella utilized the standard FEMA process for assessing floodplain impacts. This typically includes preparing four separate models, which are described as follows.

1. **Duplicate Effective (DE) Model** – Reconstruction of an approx. 2,300-foot-long portion of the hydraulic model in a recent version of HEC-RAS. In this instance, the original model was limited to HEC-2 pdf documentation. The tabular HEC-2 data was decoded into excel to provide factors including cross-section points, manning's n-values, downstream distances and bridge opening data. This data was then entered into HEC-RAS to generate the DE model. Cross-sections from upstream to downstream included:
 - a. Section A (0.116);
 - b. Intermediate section just downstream of the Route 130 bridge (0.131);
 - c. Section B (0.257);
 - d. Intermediate section (0.390) between B and C; and
 - e. Section C (0.437).

The Route 130 bridge (near Section 0.131) was modeled as a special bridge and used a pressure and weir submerged inlet and outlet coefficient of discharge of 1.56. The bounding cross-sections for the Route 130 bridge were 0.257 and 0.131. Cross-section 0.131 contained a variety of high



points, which were interpreted to be piers or piles for the bridge. The high points were left in place for the DE model.

Cross-section 0.390 appeared to fall in line with the Conrail bridge. The HEC-2 model did not use a bridge code at this location and therefore the Conrail bridge was left as a cross-section. The cross-section had a variety of high points, which were interpreted to be piers or piles for the bridge.

Cross-sections A, B and C are shown on the FEMA insurance rate map (FIRM), however the intermediate cross-section locations are not known.

2. **Corrected Effective (CE) Model** – This model is a copy of the DE model, which was updated to reflect existing survey topography.

Changes to the model were made to improve modeling of the Route 130 bridge, including:

- Changing coefficient of discharge to 0.8 (from 1.56);
- Removing high points from cross-section 0.131;
- Adding 7 piers to the bridge section;
- Creating bounding cross-section 0.150 by duplicating the edited cross-section 0.131; and
- Changing Deck/Roadway distance to 1 foot (from 600 feet) due to the addition of cross-section 0.131.

Per FEMA standards, downstream reach lengths and manning's n-values were not changed from the DE to CE model.

3. **Existing Conditions Model** – This model is a copy of the CE model. Model updates were limited to adding two blocked obstructions to cross-section 0.257, which represent the dog track buildings that were constructed after publication of the original FEMA HEC-2 model data.

Per FEMA standards, downstream reach lengths and manning's n-values were not changed from the CE to Existing Conditions model.

4. **Proposed Conditions Model** – This model is a copy of the Existing Conditions model, which was updated to reflect proposed grading changes associated with the proposed soccer stadium at FEMA cross-section B (0.257). Note that cross-section B is roughly in line with the northern end of the stadium. The remaining cross-sections were not changed since they are outside of the project area.

Per FEMA standards, downstream reach lengths and manning's n-values were not changed from the Existing Conditions model to Proposed Conditions model.

The models each utilized subcritical flow. Downstream boundary conditions for the 100-year flow for the three scenarios included:

- 100-year flow with no tide (3.6 feet);
- 100-year flow with tide (9.8 feet); and
- 100-year flow with tidal plus surge (12.0 feet).



RESULTS AND CONCLUSIONS

A comparison of the DE and CE model results indicate no change in the water surface profile for the first two scenarios. However, there was a 0.01-foot increase in the '100-year flow plus tidal surge' scenario at cross-sections 0.437, 0.390 and 0.257. This change appears to be due to the change in orifice coefficient at the Route 130 bridge. Downstream of the bridge, the DE and CE profiles match for all three scenarios. Per FEMA standards, all profiles match, respectively, the specified water surface elevations of 3.6, 9.8 or 12.0 feet at Section A (downstream end of model).

A comparison of the CE, Existing Conditions and Proposed Conditions models indicates no change in water surface profiles for the entire 2,300-foot-long model reach. Per FEMA standards, all profiles match, respectively, the specified water surface elevations of 3.6, 9.8 or 12.0 feet at Section A (downstream end of model) for each scenario.

Therefore, it is concluded that the project does not cause a rise in the 100-year flood level and meets FEMA standards. The models also demonstrate that the study reach of the Pequonnock River is generally controlled by backwater starting at Section A and continuing upstream. A Letter of Map Change is not required at this time.

Respectfully submitted,

LaBella Associates

Seth Erlich, PE, CFM
Senior Civil Engineer

Cc: Stuart Mesinger

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) Report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS Report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study Report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study Report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study Report for information on flood control structures for this jurisdiction.

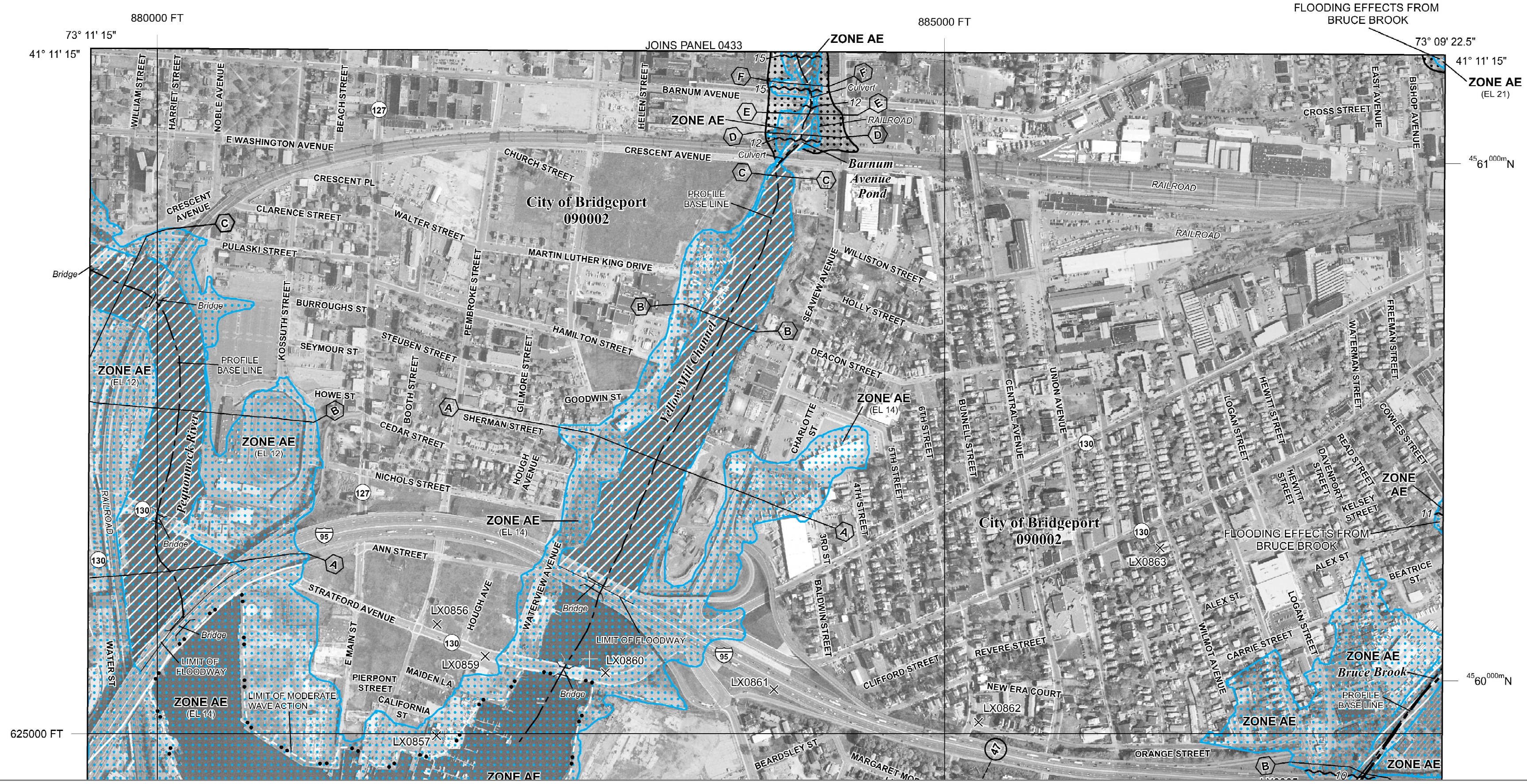
The **projection** used in the preparation of this map was Connecticut State Plane Zone (FIPS zone 0600). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services
 NOAA, NNGS12
 National Geodetic Survey
 SSMC-3, #9202
 1315 East-West Highway
 Silver Spring, Maryland 20910-3282
 (301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Base map information shown on FIRM panels produced for this coastal study revision was derived from United States Geological Survey, 1:50,000 Scale, 7.5 Minute Topographic Maps.



LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
 The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A**
 No Base Flood Elevations determined.
 Base Flood Elevations determined.
- ZONE AE**
 Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AH**
 Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AO**
 Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR**
 Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99**
 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V**
 Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE**
 Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE
 The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
- OTHER FLOOD AREAS
ZONE X
 Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS
ZONE X
 Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D
 Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
- OTHERWISE PROTECTED AREAS (OPAs)
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% Annual Chance Floodplain Boundary
- 0.2% Annual Chance Floodplain Boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities.
- Limit of Moderate Wave Action
- Limit of Moderate Wave Action coincident with Zone Break
- Base Flood Elevation line and value: elevation in feet* (EL 87)
- Base Flood Elevation value where uniform within zone, elevation in (EL 87)



APPENDIX B:
PROJECT EVALUATION AND
DESIGN CALCULATIONS

Computations for Sewers of Drainage System Alternative 1

Project: Bridgeport Soccer Stadium
 Location: Bridgeport, CT

Sanitary
 Storm System No.
 Combined Computed by:
 Check by:
 Approved by:

1
 TK
 JRS
 File No.
 Com. Date 10 01 2024
 Sheet No. 1 of 1

Sewer		Drainage Area			Rainfall and Runoff Data				Total Runoff	Design Computations						Time of Flow in Sewer		Remarks
From	To	a	A	C	Ca	ΣCa	Rainfall Frequency Curve	I	Q	Length of Sewer (ft)	Necessary Slope %	Actual Slope %	Inside Size of Sewer (in)	Parts Full %	Velocity (fps) for actual slope	Time of Flow (min.)	Total Elapsed Time @ end of Section (min)	
		Individual Area	Accumulated Area	Individual Impervious Coefficient	Individual Ca	Accumulated Ca		Rainfall Intensity In. per hour = I	Total Run-off (cfs)									
TF 1-5-1	MH 1-5-4	0,043	0,042516	0,95	0,04	0,04	10	6,07	0,25	17	0,02%	0,5%	8	32%	0,7	0,4	5,4	
TF 1-5-2	MH 1-5-4	0,041	0,040565	0,95	0,039	0,039	10	6,07	0,23	17	0,02%	0,5%	8	31%	0,7	0,4	5,8	
																	5,0	
MH 1-5-4	MH 1-5-3	2E-06	0,083083	0,95	2E-06	0,079	10	6,07	0,48	102	0,01%	0,5%	12	24%	0,6	2,8	7,8	
TF 1-5-3	MH 1-5-3	0,126	0,125872	0,95	0,12	0,12	10	6,07	0,73	30	0,02%	0,5%	12	32%	0,9	0,5	8,3	
																	5,0	
MH 1-5-3	MH 1-5-1	2E-06	0,208958	0,95	2E-06	0,199	10	6,07	1,20	51	0,07%	1,0%	12	36%	1,5	0,6	5,6	
																	5,0	
TF 1-5-6	MH 1-5-2	0,014	0,013889	0,95	0,013	0,013	10	6,07	0,08	62	0,01%	0,5%	6	25%	0,4	2,5	7,5	
TF 1-5-5	MH 1-5-2	0,03	0,030280	0,95	0,029	0,029	10	6,07	0,17	17	0,06%	0,5%	6	44%	0,9	0,3	7,9	
TF 1-5-4	MH 1-5-2	0,026	0,026446	0,95	0,025	0,025	10	6,07	0,15	17	0,04%	0,5%	6	40%	0,8	0,4	8,2	
																	5,0	
MH 1-5-2	MH 1-5-1	2E-06	0,070618	0,95	2E-06	0,067	10	6,07	0,41	51	0,01%	0,5%	12	21%	0,5	1,6	6,6	
																	5,0	
MH 1-5-1	MH 1-5	2E-06	0,279578	0,95	2E-06	0,266	10	6,07	1,61	41	0,12%	0,5%	12	59%	2,1	0,3	5,3	
MH 1-5	MH 1-6	2E-06	2,923205	0,95	2E-06	2,777	10	6,07	16,86	168	0,10%	0,3%	30	71%	3,4	0,8	6,1	
MH 1-6	MH 1-7	2E-06	2,923207	0,95	2E-06	2,777	10	6,07	16,86	137	0,10%	0,3%	30	71%	3,4	0,7	6,8	
MH 1-7	MH 1-8	2E-06	2,923209	0,95	2E-06	2,777	10	6,07	16,86	123	0,10%	0,3%	30	71%	3,4	0,6	7,4	
																	5,0	
CB 1-8-2	CB 1-8-1	0,002	0,002296	0,95	0,002	0,002	10	6,07	0,01	33	0,00%	0,5%	12	2%	0,0	32,6	37,6	
CB 1-8-1	MH 1-8	0,023	0,025253	0,95	0,022	0,024	10	6,07	0,15	38	0,00%	0,5%	12	10%	0,2	3,4	41,0	
																	5,0	
MH 1-8	MH 1-9	2E-06	2,948464	0,95	2E-06	2,777	10	6,07	16,86	144	0,10%	0,3%	30	71%	3,4	0,7	8,1	
MH 1-9	MH 1-10	2E-06	2,948466	0,95	2E-06	2,801	10	6,07	17,00	317	0,10%	0,3%	30	71%	3,5	1,5	9,6	
																	5,0	
CB 1-10-6	CB 1-10-5	0,076	0,076217	0,95	0,072	0,072	10	6,07	0,44	132	0,01%	0,5%	12	22%	0,6	3,9	8,9	
CB 1-10-5	CB 1-10-4	0,05	0,126010	0,95	0,047	0,12	10	6,07	0,73	133	0,02%	0,5%	12	32%	0,9	2,4	11,3	
CB 1-10-4	CB 1-10-3	0,05	0,175803	0,95	0,047	0,167	10	6,07	1,01	134	0,05%	0,5%	12	42%	1,3	1,7	13,1	
CB 1-10-3	CB 1-10-2	0,05	0,225597	0,95	0,047	0,214	10	6,07	1,30	135	0,08%	0,5%	12	50%	1,7	1,4	14,4	
CB 1-10-2	CB 1-10-1	0,05	0,275390	0,95	0,047	0,262	10	6,07	1,59	136	0,12%	0,5%	12	58%	2,0	1,1	15,5	
CB 1-10-1	MH 1-10	0,331	0,605969	0,95	0,314	0,434	10	6,07	2,63	57	0,32%	0,5%	12	85%	3,4	0,3	11,6	
																	5,0	
MH 1-10	MH 1-11	2E-06	3,554438	0,95	2E-06	3,235	10	6,07	19,64	155	0,05%	0,3%	36	55%	2,8	0,9	5,9	
MH 1-11	MH 1-12	2E-06	3,554440	0,95	2E-06	3,235	10	6,07	19,64	274	0,05%	0,3%	36	55%	2,8	1,6	7,6	

Computations for Sewers of Drainage System Alternative 1

Project: Bridgeport Soccer Stadium
 Location: Bridgeport, CT

Sanitary
 Storm System No.
 Combined Computed by:
 Check by:
 Approved by:

1
 TK
 JRS
 File No. _____
 Com. Date 10 01 2024
 Sheet No. 1 of 1

Sewer		Drainage Area			Rainfall and Runoff Data				Total Runoff	Design Computations						Time of Flow in Sewer		Remarks	
From	To	a	A	C	Ca	ΣCa	Rainfall Fequency Curve	I	Q	Length of Sewer (ft)	Necessary Slope %	Actual Slope %	Inside Size of Sewer (in)	Parts Full %	Velocity (fps) for actual slope	Time of Flow (min.)	Total Elapsed Time @ end of Section (min)		
		Individual Area	Accumulated Area	Individual Impervious Coefficient	Individual Ca	Accumulated Ca		Rainfall Intensity In. per hour = I	Total Run-off (cfs)										
TF 1-12-1	MH 1-12	0,072	0,072314	0,95	0,069	0,069	10	6,07	0,42	163	0,01%	0,3%	12	28%	0,5	5,1	10,1		
CB 1-12-1	MH 1-12	0,395	0,395202	0,95	0,375	0,375	10	6,07	2,28	45	0,07%	1,0%	15	38%	1,9	0,4	10,5		
MH 1-12	MH 1-13	2E-06	4,021958	0,95	2E-06	3,679	10	6,07	22,33	46	0,07%	1,0%	36	36%	3,2	0,2	10,8		

Computations for Sewers of Drainage System

Project: Bridgeport Soccer Stadium
 Location: Bridgeport, CT

Sanitary
 Storm System No. 3 File No. _____
 Combined Computed by: TK Com. Date 10.01.2024
 Check by: JRS Sheet No. 1 of 1
 Approved by: _____

Sewer		Drainage Area			Rainfall and Runoff Data				Total Runoff	Design Computations						Time of Flow in Sewer		Remarks
From	To	a	A	C	Ca	ΣCa	Rainfall Frequency Curve	I	Q	Length of Sewer (ft)	Necessary Slope %	Actual Slope %	Inside Size of Sewer (in)	Parts Full %	Velocity (fps) for actual slope	Time of Flow (min.)	Total Elapsed Time @ end of Section (min)	
		Individual Area	Accumulated Area	Individual Impervious Coefficient	Individual Ca	Accumulated Ca		Rainfall Intensity In. per hour = I	Total Run-off (cfs)									
																	5,0	
CB 3-1	MH 3-3	0,233	0,233379	0,95	0,222	0,222	10	6,38	1,41	40	0,09%	0,5%	12	53%	1,8	0,4	5,4	n=0.010
																	5,0	
CB 3-2	MH 3-3	0,506	0,506313	0,95	0,481	0,481	10	6,38	3,07	40	0,44%	0,5%	12	95%	3,9	0,2	5,2	
MH 3-3	MH 3-2	2E-06	0,739692	0,95	2E-06	0,703	10	6,38	4,48	169	0,11%	0,3%	18	73%	2,5	1,1	6,3	
MH 3-2	MH 3-1	2E-06	0,739692	1,95	4E-06	0,703	10	6,38	4,48	211	0,11%	0,3%	18	73%	2,5	1,4	5,0	



APPENDIX C:
SWPPP INSPECTION REPORT
(SAMPLE FORM)

STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM FOR CONSTRUCTION ACTIVITIES

CONSTRUCTION SITE LOG BOOK

Table of Contents

- I. Pre-Construction Meeting Documents
 - a. Preamble to Site Assessment and Inspections
 - b. Operator's Certification
 - c. Qualified Professional's Credentials and Certification
 - d. Contractor's Certification
 - e. Pre-Construction Site Assessment Check List
- II. Construction Duration Inspections
 - a. Directions
 - b. Modifications to the SWPPP
- III. Monthly Summary Reports
- IV. Monitoring, Reporting, and Three-Month Status Reports
 - a. Operator's Compliance Response Form
- V. Certification of Final Site Stabilization

Completed Forms shall be kept on site at all times and made available to authorities upon request

I. PRE-CONSTRUCTION MEETING DOCUMENTS

Project Name _____
Permit No. _____ **Date of Authorization** _____
Name of Operator _____
Prime Contractor _____

Preamble to Site Assessment and Inspections

The Following Information To Be Read By All Person's Involved in The Construction of Stormwater Related Activities:

The Operator agrees to have a qualified professional¹ conduct an assessment of the site prior to the commencement of construction² and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the commencement of construction, the Operator shall certify in this site logbook that the SWPPP has been prepared in accordance with the State's standards and meets all Federal, State and local erosion and sediment control requirements.

When construction starts, site inspections shall be conducted by the qualified professional at least every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater (Construction Duration Inspections). The Operator shall maintain a record of all inspection reports in this site logbook. The site logbook shall be maintained on site and be made available to the permitting authorities upon request. The Operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities on a monthly basis (Monthly Summary Report).

The operator shall also prepare a written summary of compliance with this general permit at a minimum frequency of every three months (Operator's Compliance Response Form), while coverage exists. The summary should address the status of achieving each component of the SWPPP.

Prior to filing the Notice of Termination or the end of permit term, the Operator shall have a qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization³ using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing) not needed for long-term erosion control have been removed. In addition, the Operator must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the owner(s) with an operation and maintenance plan that ensures the structure(s) continuously functions as designed.

1 "Qualified Professional" means a person knowledgeable in the principles and practices of erosion and sediment controls, such as a Certified Professional in Erosion and Sediment Control (CPESC), soil scientist, licensed engineer or someone working under the direction and supervision of a licensed engineer (person must have experience in the principles and practices of erosion and sediment control).

2 "Commencement of construction" means the initial removal of vegetation and disturbance of soils associated with clearing, grading or excavating activities or other construction activities.

3 "Final Stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures.

Operator's Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the persons or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Name (please print) _____
Title _____ **Date** _____
Address _____
Phone _____ **Email** _____
Signature _____

Contractor's Certification

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge stormwater. I also understand that the operator must comply with the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities ("DEEP-WPEDCP-015") general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards."

Name (please print) _____
Title _____ **Date** _____
Address _____
Phone _____ **Email** _____
Signature _____

Note: All contractors involved with Stormwater related activities shall sign a contractor's certification form.

Qualified Professional's Credentials and Certification

"I hereby certify that I meet the criteria set forth in the General Permit to conduct site inspections for this project and that the appropriate erosion and sediment controls described in the SWPPP and as described in the following Pre-Construction Site Assessment Checklist have been adequately installed or implemented, ensuring the overall preparedness of this site for the commencement of construction."

Name (please print) _____
Title _____ **Date** _____
Address _____
Phone _____ **Email** _____
Signature _____

Construction Duration Inspections

Directions:

Inspection Forms will be filled out during the entire construction phase of the project.

Required Elements:

- (1) On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas that are expected to undergo initial disturbance or significant site work within the next 14-day period;
- (2) Indicate on a site map all areas of the site that have undergone temporary or permanent stabilization;
- (3) Indicate all disturbed site areas that have not undergone active site work during the previous 14-day period;
- (4) Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of sediment storage volume (for example, 10 percent, 20 percent, 50 percent);
- (5) Inspect all erosion and sediment control practices and record all maintenance requirements such as verifying the integrity of barrier or diversion systems (earthen berms or silt fencing) and containment systems (sediment basins and sediment traps). Identify any evidence of rill or gully erosion occurring on slopes and any loss of stabilizing vegetation or seeding/mulching. Document any excessive deposition of sediment or ponding water along barrier or diversion systems. Record the depth of sediment within containment structures, any erosion near outlet and overflow structures, and verify the ability of rock filters around perforated riser pipes to pass water; and
- (6) Immediately report to the Operator any deficiencies that are identified with the implementation of the SWPPP.

CONSTRUCTION DURATION INSPECTIONS

SITE PLAN/SKETCH

Inspector (print name)

Date of Inspection

Qualified Professional (print name)

Qualified Professional Signature

The above signed acknowledges that, to the best of his/her knowledge, all information provided on the forms is accurate and complete.

CONSTRUCTION DURATION INSPECTIONS

Page 2 of _____

Maintaining Water Quality

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is there an increase in turbidity causing a substantial visible contrast to natural conditions? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is there residue from oil and floating substances, visible oil film, or globules or grease? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All disturbance is within the limits of the approved plan. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Have receiving lake/bay, stream, and/or wetland been impacted by silt from project? |

Housekeeping

1. General Site Conditions:

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is construction site litter and debris appropriately managed? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is construction impacting the adjacent property? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is dust adequately controlled? |

2. Temporary Stream Crossing:

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Maximum diameter pipes necessary to span creek without dredging are installed. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed non-woven geotextile fabric beneath approaches. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Is fill composed of aggregate (no earth or soil)? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rock on approaches is clean enough to remove mud for vehicles and prevent sediment from entering stream during high flow. |

Runoff Control Practices

1. Excavation Dewatering:

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Upstream and downstream berms (sandbags, inflatable dams, etc.) are installed per plan. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Clean water from upstream pool is being pumped to downstream pool. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Sediment laden water from work area is being discharged to a silt-trapping device. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Constructed upstream berm with one-foot minimum freeboard. |

2. Level Spreader:

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed per plan? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Constructed on undisturbed soil, not on fill, receiving only clean, non-sediment laden flow. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Flow sheets out of level spreader without erosion on downstream edge. |

3. Inceptor Dikes and Swales:

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed per plan with minimum side slopes 2H:1V or flatter. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Stabilized by geotextile fabric, seed, or mulch with no erosion occurring. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Sediment-laden runoff directed to sediment trapping structure. |

CONSTRUCTION DURATION INSPECTIONS

Page 3 of __

Runoff Control Practices (continued)

4. Stone Check Dam:

Yes No NA

- Is channel stable? (Flow is not eroding soil underneath or around structure).
 Check is in good condition (rocks in place and no permanent pools behind the structure).
 Has accumulated sediment been removed?

5. Rock Outlet Protection:

Yes No NA

- Installed per plan?
 Installed concurrently with pipe installation?

Soil Stabilization

1. Topsoil and Spoil Stockpiles:

Yes No NA

- Stockpiles are stabilized with vegetation and/or mulch.
 Sediment control is installed at the toe of the slope.

2. Revegetation:

Yes No NA

- Temporary seedings and mulch have been applied to idle areas.
 4 inches minimum of topsoil has been applied under permanent seedings.

Sediment Control Practices

1. Stabilized Construction Entrance:

Yes No NA

- Stone is clean enough to effectively remove mud from vehicles.
 Installed per standards and specifications?
 Does all traffic use the stabilized entrance to enter and leave site?
 Is adequate drainage provided to prevent ponding at entrance?

2. Silt Fence:

Yes No NA

- Installed on Contour, 10 feet from toe of slope (not across conveyance channels)?
 Joints constructed by wrapping the two ends together for continuous support.
 Fabric buried 6 inches minimum.
 Posts are stable, fabric is tight and without ripping or frayed areas.
Sediment accumulation is _____% of design capacity.

CONSTRUCTION DURATION INSPECTIONS

Page 4 of __

Sediment Control Practices (continued)

3. Storm Drain Inlet Protection (Use for Stone & Block; Filter Fabric; Curb; or, Excavated practices):

Yes No NA

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Installed concrete blocks lengthwise so open ends face outward, not upward. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Placed wire screen between No. 3 crushed stone and concrete blocks. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Drainage area is 1 acre or less. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Excavated area is 900 cubic feet. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Excavated side slopes should be 2:1. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2" x 4" frame is constructed and structurally sound. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Posts 3-foot maximum spacing between posts. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Fabric is embedded 1 to 1.5 feet below ground and secured to frame/posts with staples at max 8-inch spacing. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Posts are stable; fabric is tight without rips or frayed areas.
Sediment accumulation is __% of design capacity. |

4. Temporary Sediment Trap:

Yes No NA

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Outlet structure is constructed per the approved plan or drawing. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Geotextile fabric has been placed beneath rock fill.
Sediment accumulation is __% of design capacity. |

5. Temporary Sediment Basin:

Yes No NA

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Basin and outlet structure constructed per the approved plan. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Basin side slopes are stabilized with seed/mulch. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Drainage structure flushed and basin surface restored upon removal of sediment facility.
Sediment accumulation is __% of design capacity. |

<p>Note: Not all erosion and sediment control practices are included in this listing. Add additional pages to this list as required by site specific deign.</p>
--

CONSTRUCTION DURATION INSPECTIONS

Sediment Control Practices (continued)

6. Practice: _____

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Sediment accumulation is ___% of design capacity.

7. Practice: _____

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Sediment accumulation is ___% of design capacity.

8. Practice: _____

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Sediment accumulation is ___% of design capacity.

9. Practice: _____

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Sediment accumulation is ___% of design capacity.

10. Practice: _____

Yes	No	NA	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Sediment accumulation is ___% of design capacity.

CERTIFICATION OF FINAL SITE STABILIZATION

Check List:

- | Yes | No | NA | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All Soil disturbing activities are complete. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Temporary erosion and sediment control measures have been removed or will be removed at the appropriate time. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | All areas of the construction site not otherwise covered by a permanent pavement or structure have been stabilized with a uniform perennial vegetative cover with a density of 80% or equivalent measures have been employed. |

Qualified Professional Certification:

I hereby certify that the site has undergone Final Stabilization. "Final Stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed on all unpaved areas and areas not covered by permanent structures. Furthermore, all temporary erosion and sediment controls not specified for permanent erosion control have been removed.

Qualified Professional (print name)

Qualified Professional Signature

Date

**Stormwater Pollution Prevention Plan
Contractor's Certification**

**Bridgeport MLS Stadium
255 Kossuth Street -City of Bridgeport
Fairfield County, Connecticut**

The Contractor and/or Subcontractor(s) that will implement the pollutant control measures described in the SWPPP must be identified below. Each must sign a statement certifying that they understand the NPDES and CT DEEP general permit authorizing storm water discharges during construction. These statements must be maintained in the SWPPP file on site.

Contractor Implementing the Storm Water Pollution Prevention Plan:

Business Name: _____

Business Address: _____

Telephone No.: _____

Name of Signatory: _____

Title of Signatory: _____

Signature: _____

Date: _____

Contractor's Responsibility(s):

Certification:

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge storm water. I also understand that the Operator must comply with the terms and conditions of the most current version of the Connecticut State Pollution Discharge Elimination System ("SPDES") general permit for storm water discharges from construction discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standard. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of the referenced permit and the laws of the State of Connecticut and could be subject to criminal, civil and/or administrative penalties."

Signatory Requirements - All NOIs, NOTs, SWPPPS, reports, certifications or information required by this permit or submitted pursuant to this permit, shall be signed as follows:

- 1 For a corporation: by a (1) president, secretary, treasurer, or vice-president of the corporation in charge of a principle business function, or any other person authorized to and who performs similar policy or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having a gross annual sales or expenditures exceeding \$25,000,000 (in second-quarter 1980 dollars) if authority to sign documents has been assigned or delegated to manage in accordance with corporate procedures;
- 2 For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- 3 For a municipality, State, Federal, or other public agency; by either a principal executive officer ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

**Stormwater Pollution Prevention Plan
Operator's Certification
Bridgeport MLS Stadium
255 Kossuth Street -City of Bridgeport
Fairfield County, Connecticut**

The Operator that will implement the pollutant control measures described in the SWPPP must be identified below. Each must sign a statement certifying that they understand the NPDES and CT DEEP general permit authorizing storm water discharges during construction. These statements must be maintained in the SWPPP file on site.

Owner:

Business Name: _____

Business Address: _____

Telephone No.: _____

Name of Signatory: _____

Title of Signatory: _____

Signature: _____

Date: _____

Certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law.”

Signatory Requirements - All NOIs, NOTs, SWPPPS, reports, certifications or information required by this permit or submitted pursuant to this permit, shall be signed as follows:

- 1 For a corporation: by a (1) president, secretary, treasurer, or vice-president of the corporation in charge of a principle business function, or any other person authorized to and who performs similar policy or decision-making functions for the corporation; or (2) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having a gross annual sales or expenditures exceeding \$25,000,000 (in second-quarter 1980 dollars) if authority to sign documents has been assigned or delegated to manage in accordance with corporate procedures;
- 2 For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- 3 For a municipality, State, Federal, or other public agency; by either a principal executive officer ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

Site Assessment / Inspection Report
SWPPP Construction Activities
Bridgeport MLS Stadium
255 Kossuth Street -City of Bridgeport
Fairfield County, Connecticut

Report Number: _____
 Inspectors Name (Please Print): _____
 Date: _____ Time: _____

Weather: _____
 Temperature: _____
 Page: _____ of _____

Observation Instructions:

- 1 On a site map, indicate the extent of all disturbed site areas and drainage pathways. Indicate site areas are expected to undergo initial disturbance or significant site work within the next 14 day period.
- 2 Indicate on a site map all areas of the site that have undergone temporary or permanent stabilization.
- 3 Indicate on a site map all areas that have not undergone active site work during the previous 14-day period.
- 4 Inspect all sediment control practices and record the approximate degree of sediment accumulation as a percentage of the sediment storage volume. Note if a substantial increase in turbidity in downstream water courses/bodies exists.
- 5 Inspect all erosion and sediment control practices and record all maintenance requirements such as verifying the integrity of sediment control barriers or diversion systems (i.e. silt fence, diversion swales, earthen berms, etc.) and containment systems (i.e. sediment basins and sediment traps, etc.).
- 6 Inspect all equipment, material handling or storage areas for evidence of apparent spills, leaks or deleterious materials.
- 7 On a monthly basis, post a copy of the Inspection Log in a publicly accessible location.

Temporary Erosion and Sediment Control Practices:

Practice	Condition	Accumulation %	Conforming	Actions Required
Stabilized Construction Entrance	Good / Fair / Poor		Yes / No	
Temporary Parking	Good / Fair / Poor		Yes / No	
Silt Fence	Good / Fair / Poor		Yes / No	
Temporary Swales and Berms	Good / Fair / Poor		Yes / No	
Check Dams (Stone)	Good / Fair / Poor		Yes / No	
Slope Protection	Good / Fair / Poor		Yes / No	
Dewatering Operations	Good / Fair / Poor		Yes / No	
Sediment Traps	Good / Fair / Poor		Yes / No	
Inlet Protection	Good / Fair / Poor		Yes / No	
Mulching / Seeding	Good / Fair / Poor		Yes / No	

See attached pages for additional comments

Bridgeport MLS Stadium
Stormwater Pollution Prevention Plan Construction Site Log Book

Report No. _____

Page ____ of ____

Practice	Condition	Accumulation %	Conforming	Actions Required
Temporary Stockpiles	Good / Fair / Poor		Yes / No	
Dust Control	Good / Fair / Poor		Yes / No	
Sedimentation on Public Streets	Good / Fair / Poor		Yes / No	
Less than 5 Acres of Disturbance	Good / Fair / Poor		Yes / No	
Other:	Good / Fair / Poor		Yes / No	
Other:	Good / Fair / Poor		Yes / No	

Non-conforming work items still outstanding (List item number):

Inspection Notes:

Inspectors Signature: _____
Inspectors Printed Name: _____

Qualified Professional Signature _____ Date _____

Qualified Professional Printed Name _____

Site Stabilization & Construction Activities Dates
Bridgeport MLS Stadium
255 Kossuth Street -City of Bridgeport
Fairfield County, Connecticut

Note: This form shall be completed by the Contractor and shall remain as part of the Storm water Pollution Prevention Plan that is to remain at the project site for the duration of construction.

A record of dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be maintained until final site stabilization is achieved and the Notice of Termination is filed.

MAJOR GRADING ACTIVITIES:

Page ____ of ____

Description of Activity: _____

Contractor: _____

Location: _____

Start Date: _____ Finish Date: _____

Description of Activity: _____

Contractor: _____

Location: _____

Start Date: _____ Finish Date: _____

Description of Activity: _____

Contractor: _____

Location: _____

Start Date: _____ Finish Date: _____

Description of Activity: _____

Contractor: _____

Location: _____

Start Date: _____ Finish Date: _____

Description of Activity: _____

Contractor: _____

Location: _____

Start Date: _____ Finish Date: _____



APPENDIX D:
POST-CONSTRUCTION
INSPECTIONS AND MAINTENANCE



APPENDIX E:
LABELLA CERTIFYING
PROFESSIONAL'S LETTER

Operator's Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the persons or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Further, I hereby certify that the SWPPP meets all Federal, State, and local erosion and sediment control requirements. I am aware that false statements made herein are punishable as a class A misdemeanor pursuant to Section 210.45 of the Penal Law."

Name (please print) _____
Title _____ **Date** _____
Address _____
Phone _____ **Email** _____
Signature _____

Contractor's Certification

"I certify under penalty of law that I understand and agree to comply with the terms and conditions of the SWPPP for the construction site identified in such SWPPP as a condition of authorization to discharge stormwater. I also understand that the operator must comply with the terms and conditions of the Connecticut State Pollutant Discharge Elimination System ("SPDES") general permit for stormwater discharges from construction activities and that it is unlawful for any person to cause or contribute to a violation of water quality standards."

Name (please print) _____
Title _____ **Date** _____
Address _____
Phone _____ **Email** _____
Signature _____

PRE-CONSTRUCTION MEETING DOCUMENTS

Project Name _____
Permit No. _____ **Date of Authorization** _____
Name of Operator _____
Prime Contractor _____

a. Preamble to Site Assessment and Inspections

The Following Information To Be Read By All Person's Involved in The Construction of Stormwater Related Activities:

The Operator agrees to have a qualified professional¹ conduct an assessment of the site prior to the commencement of construction² and certify in this inspection report that the appropriate erosion and sediment controls described in the SWPPP have been adequately installed or implemented to ensure overall preparedness of the site for the commencement of construction.

Prior to the commencement of construction, the Operator shall certify in this site logbook that the SWPPP has been prepared in accordance with the State's standards and meets all Federal, State and local erosion and sediment control requirements.

When construction starts, site inspections shall be conducted by the qualified professional at least every 7 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater (Construction Duration Inspections). The Operator shall maintain a record of all inspection reports in this site logbook. The site logbook shall be maintained on site and be made available to the permitting authorities upon request. The Operator shall post at the site, in a publicly accessible location, a summary of the site inspection activities on a monthly basis (Monthly Summary Report).

The operator shall also prepare a written summary of compliance with this general permit at a minimum frequency of every three months (Operator's Compliance Response Form), while coverage exists. The summary should address the status of achieving each component of the SWPPP.

Prior to filing the Notice of Termination or the end of permit term, the Operator shall have a qualified professional perform a final site inspection. The qualified professional shall certify that the site has undergone final stabilization³ using either vegetative or structural stabilization methods and that all temporary erosion and sediment controls (such as silt fencing) not needed for long-term erosion control have been removed. In addition, the Operator must identify and certify that all permanent structures described in the SWPPP have been constructed and provide the owner(s) with an operation and maintenance plan that ensures the structure(s) continuously functions as designed.

1 "Qualified Professional" means a person knowledgeable in the principles and practices of erosion and sediment controls, such as a Certified Professional in Erosion and Sediment Control (CPESC), soil scientist, licensed engineer or someone working under the direction and supervision of a licensed engineer (person must have experience in the principles and practices of erosion and sediment control).

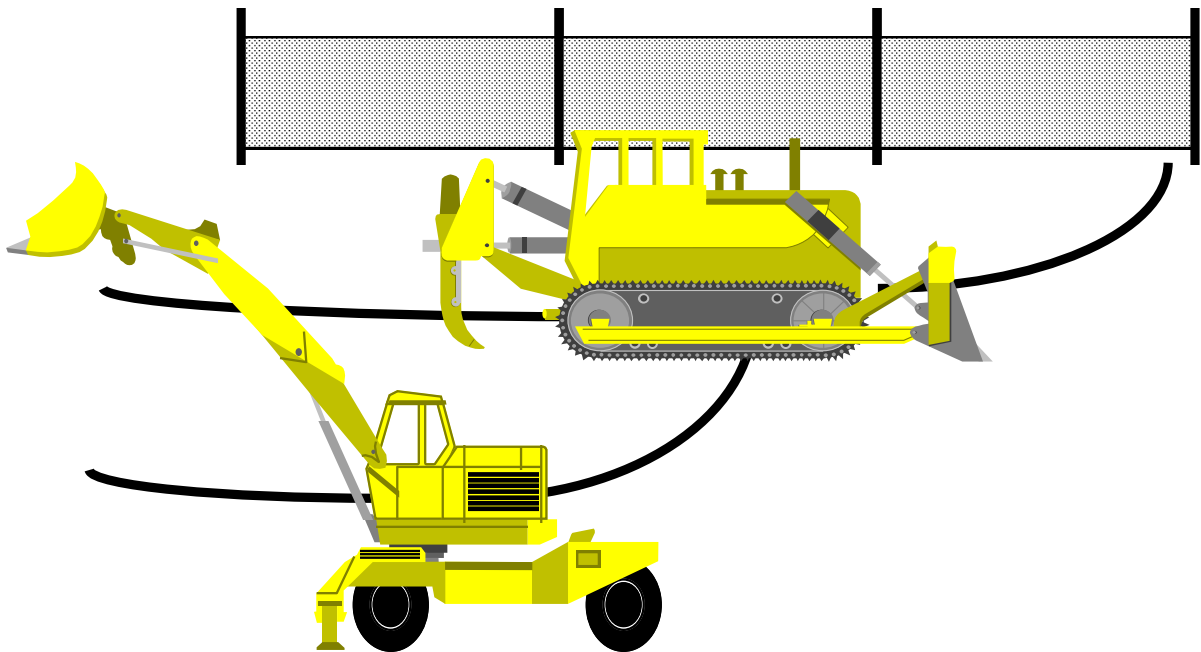
2 "Commencement of construction" means the initial removal of vegetation and disturbance of soils associated with clearing, grading or excavating activities or other construction activities.

3 "Final Stabilization" means that all soil-disturbing activities at the site have been completed and a uniform, perennial vegetative cover with a density of eighty (80) percent has been



APPENDIX F:
CT DEEP WPED GENERAL PERMIT
GP-015

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities



Effective Date: December 31, 2020
Modification Date: November 25, 2022
Expiration Date: December 20, 2025

Printed on recycled paper

General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

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General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Section 1. Authority

This general permit is issued under the authority of section 22a-430b of the Connecticut General Statutes.

Section 2. Definitions

The definitions of terms used in this general permit shall be the same as the definitions contained in section 22a-423 of the Connecticut General Statutes and section 22a-430-3(a) of the Regulations of Connecticut State Agencies. All references to an Appendix in this general permit means the applicable Appendix of this general permit. As used in this general permit, the following definitions shall apply:

“x-year, 24-hour rainfall event” means the maximum 24-hour precipitation event with a probable recurrence interval of once in the given number of years (i.e. x=2, 25 or 100), as defined by the National Oceanic and Atmospheric Administration (NOAA) Atlas 14, Volume 10, Version 2, Point Precipitation Frequency Estimates (as amended), or equivalent regional or state rainfall probability information developed therefrom.

“Annual sediment load” means the total amount of sediment carried by stormwater runoff on an annualized basis.

“Aquifer protection area” has the same meaning as provided in section 22a-354h of the Connecticut General Statutes.

“Best engineering practices” means the design of engineered control measures to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable.

“CFR” means the Code of Federal Regulations.

“Coastal area” means coastal area as defined in section 22a-93(3) of the Connecticut General Statutes.

“Coastal waters” means coastal waters as defined in section 22a-93(5) of the Connecticut General Statutes.

“Commissioner” means the Commissioner of Energy and Environmental Protection or the Commissioner’s designee.

“Construction activity” means any activity and discharges associated with construction at a site or the site’s preparation for construction, including, but not limited to, clearing, grubbing, pile driving, soil disturbance, soil compaction by construction equipment, staging and stockpiling, cleaning and washout, grading, excavation, and dewatering.

“DOT” means the State of Connecticut Department of Transportation.

“Department” means the Department of Energy and Environmental Protection.

“Designing qualified professional” means the qualified professional engineer or qualified soil erosion and sediment control professional, as defined below, who developed the original Stormwater Pollution Control Plan for which authorization was granted under this general permit.

“*Developer*” means a person who or municipality which is responsible, either solely or partially through contract, for the design and construction of a project site.

“*Dewatering wastewater*” means wastewater associated with the construction activity generated from the lowering of the groundwater table, the pumping of accumulated stormwater or uncontaminated groundwater from an excavation, the pumping of surface water from a cofferdam, or pumping of other surface water that has been diverted into a construction site.

“*District*” means a soil and water conservation district established pursuant to section 22a-315 of the Connecticut General Statutes. Appendices E and F list the Districts, their geographic delineations, and contact information.

“*Disturbance*” means the area on a site where soil will be exposed or susceptible to erosion during any construction activity.

“*Effective Impervious Cover*” is the area of impervious cover that is hydraulically connected to a water or wetland by means of continuous paved surfaces, gutters, swales, ditches, drain pipes or other conventional conveyance and detention structures that do not reduce runoff volume. Impervious cover is a surface composed of any material that impedes or prevents infiltration of water into the soil. Impervious surfaces shall include, but are not limited to, roofs, solid decks, driveways, patios, sidewalks, parking areas, tennis courts, concrete or asphalt streets, or compacted soils or compacted gravel surfaces.

“*Engineered stormwater management system*” means any control measure and related appurtenances which requires engineering analysis and/or design by a professional engineer.

“*Erosion*” means the detachment and movement of soil or rock fragments by water, wind, ice and gravity.

“*Final stabilization*” for a site authorized by this general permit means that no disturbed areas remain exposed, there is no active erosion or sedimentation present on the site, and that vegetation or permanent non-vegetative ground cover, as specified in the Permittee’s Plan, have been fully established over the entire site.

“*Fresh-tidal wetland*” means a tidal wetland with an average salinity level of less than 0.5 parts per thousand.

“*General Permit*” means the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued by the Commissioner effective on December 31, 2020.

“*Groundwater*” means those waters of the state that naturally exist or flow below the surface of the ground.

“*Guidelines*” means the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, established pursuant to section 22a-328 of the Connecticut General Statutes.

“*High Quality Waters*” means those waters defined as high quality waters in RCSA 22a-426-1, as may be amended.

“*Impaired water(s)*” means those surface waters of the state designated by the commissioner as impaired pursuant to Section 303(d) of the Clean Water Act and as identified in the most recent State of Connecticut Integrated Water Quality Report.

“*In Responsible charge*” means professional experience for which the Commissioner determines that a professional’s primary duties consistently involve a high level of responsibility and decision making in the planning and designing of engineered stormwater management systems or in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects. The Commissioner

shall consider the following in determining whether a professional's experience qualifies as responsible charge experience:

- (i) the level of independent decision-making exercised;
- (ii) the number of individuals and the disciplines of the other professionals that the professional supervised or coordinated;
- (iii) the extent to which a professional's responsibilities consistently involved the review of work performed by other professionals involved the planning and designing of engineered stormwater management systems or the planning and designing of soil erosion and sediment controls for residential and commercial construction projects;
- (iv) the extent to which a professional's responsibilities consistently involved the planning and designing of engineered stormwater management systems or the planning and designing of soil erosion and sediment controls for residential and commercial construction projects and whether such responsibilities were an integral and substantial component of the professional's position;
- (v) the nature of a professional's employer's primary business interests and the relation of those interests to planning and designing of engineered stormwater management systems or to planning and designing of soil erosion and sediment controls for residential and commercial construction projects;
- (vi) the extent to which a professional has engaged in the evaluation and selection of scientific or technical methodologies for planning and designing of engineered stormwater management systems or for planning and designing of soil erosion and sediment controls for residential and commercial construction projects;
- (vii) the extent to which a professional drew technical conclusions, made recommendations, and issued opinions based on the results of planning and designing of engineered stormwater management systems or of planning and designing of soil erosion and sediment controls for residential and commercial construction projects; or
- (viii) any other factor that the Commissioner deems relevant.

"Individual permit" means a permit issued to a specific permittee under section 22a-430 of the Connecticut General Statutes.

"Inland wetland" means wetlands as defined in section 22a-38 of the Connecticut General Statutes.

"Landscape Architect" means a person with a currently effective license issued in accordance with chapter 396 of the Connecticut General Statutes.

"Linear Project" includes the construction of roads, railways, bridges, bikeways, conduits, substructures, pipelines, sewer lines, towers, poles, cables, wires, connectors, switching, regulating and transforming equipment and associated ancillary facilities in a long, narrow area.

"Locally approvable project" means a construction activity for which the registration is not for a municipal, state or federal project and is required to obtain municipal approval for the project.

"Locally exempt project" means a construction activity for which a registration is required under this general permit and which is not a locally approvable project.

“Low Impact Development” or *“LID”* means a site design strategy that maintains, mimics or replicates pre-development hydrology through the use of numerous site design principles and small-scale treatment practices distributed throughout a site to manage runoff volume and water quality at the source.

“Minimize”, for purposes of implementing the control measures in Section 5(b)(2) of this general permit, means to reduce and/or eliminate to the extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice.

“Municipal separate storm sewer system” or *“MS4”* means conveyances for stormwater (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) owned or operated by any municipality, DOT or by any other state or federal institution (as defined in the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems) and discharging to surface waters of the state.

“Municipality” has the same meaning as provided in section 22a-423 of the Connecticut General Statutes.

“Normal Working Hours” are considered to be, at a minimum, Monday through Friday, between the hours of 8:00 am and 6:00 pm, unless additional working hours are specified by the permittee.

“Permittee” means any person who or municipality which initiates, creates or maintains a discharge in accordance with Section 3 of this general permit.

“Person” means person as defined in section 22a-423 of the Connecticut General Statutes.

“Phase” means a portion of a project possessing a distinct and complete set of activities that have a specific functional goal wherein the work to be completed in the phase is not dependent upon the execution of work in a later phase in order to make it functional.

“Point Source” means any discernible, confined and discrete stormwater conveyance (including but not limited to, any pipe, ditch, channel, tunnel, conduit, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft) from which pollutants are or may be discharged.

“Professional Engineer” or *“P.E.”* means a person with a currently effective license issued in accordance with chapter 391 of the Connecticut General Statutes.

“Qualified Inspector” means an individual possessing either (1) a professional license or certification by a professional organization recognized by the commissioner related to agronomy, civil engineering, landscape architecture, soil science, and two years of demonstrable and focused experience in erosion and sediment control plan reading, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines; or (2) five years of demonstrable and focused experience in erosion and sediment control plan reading, installation, inspection and/or report writing for residential and commercial construction projects in accordance with the Guidelines; or (3) certification by the DOT. For purposes of solar array projects, a Qualified Inspector shall be selected as specified in Appendix I of the general permit.

“Qualified professional engineer” means a professional engineer who has, for a minimum of eight years, engaged in the planning and designing of engineered stormwater management systems for residential and commercial construction projects in accordance with the Guidelines and the Stormwater Quality Manual including, but not limited to, a minimum of four years in responsible charge of the planning and designing of engineered stormwater management systems for such projects. Such qualified professional engineer shall remain in good standing with the Connecticut Department of Consumer Protection and the Commissioner.

“Qualified soil erosion and sediment control professional” means a landscape architect or a professional engineer who: (1) has for a minimum of eight years engaged in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects in accordance with the Guidelines including, but not limited to, a minimum of four years in responsible charge of the planning and designing of soil erosion and sediment controls for such projects; or (2) is currently certified as a professional in erosion and sediment control as designated by EnviroCert International, Incorporated (or other certifying organization acceptable to the commissioner) and has, for a minimum of six years, engaged in the planning and designing of soil erosion and sediment controls for residential and commercial construction projects in accordance with the Guidelines including, but not limited to, a minimum of four years in responsible charge in the planning and designing of soil erosion and sediment controls for such projects. Such qualified soil erosion and sediment control professional shall remain in good standing with the Connecticut Department of Consumer Protection and the Commissioner.

“Registrant” means a person or municipality that files a registration.

“Registration” means a registration filed with the commissioner pursuant to Section 4 of this general permit.

“Regulated Municipal Separate Storm Sewer System” or *“Regulated MS4”* means any MS4 (as defined above) authorized by the most recently issued General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, as well as the separate storm sewer system of the DOT and the City of Stamford including all those located partially or entirely within an Urbanized Area and those additional MS4s located outside an Urbanized Area as may be designated by the commissioner.

“Retain” means to hold runoff on-site to promote vegetative uptake and groundwater recharge through the use of runoff reduction or LID practices or other measures. In addition, it means there shall be no subsequent point source release to surface waters from a storm event defined in this general permit or as approved by the commissioner.

“Runoff reduction practices” means those post-construction stormwater management practices used to reduce post-development runoff volume delivered to the receiving water, as defined by retaining the volume of runoff from a storm up to the first half inch or one inch of rainfall. Runoff reduction is quantified as the total annual post-development runoff volume reduced through canopy interception, soil amendments, evaporation, rainfall harvesting, engineered infiltration, extended filtration or evapo-transpiration.

“Sediment” means solid material, either mineral or organic, that is in suspension, is transported, or has been moved from its site of origin by erosion.

“Site” means geographically contiguous land on which a construction activity takes place or on which a construction activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous land or water owned by the same person shall be deemed the same site if such land is part of a linear project (as defined in this section) or is otherwise connected by a right-of-way, which such person controls.

“Soil” means any unconsolidated mineral and organic material of any origin.

“Soil Scientist” shall be as defined in Conn. Gen. Stat. § 22a-38.

“Solar array” means an on-the-ground installation of arrays of photovoltaic cell panels, supporting structures and related equipment for the production of electricity.

“Stabilize” means the use of measures as outlined in the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, or as approved by the commissioner, to prevent the visible movement of soil particles and development of rills.

“*Standard of care*”, as used in Section 3(b), means to endeavor to perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

“*Structural measure*” means a measure constructed for the temporary storage and/or treatment of stormwater runoff.

“*Stormwater*” means waters consisting of rainfall runoff, including snow or ice melt during a rain event.

“*Stormwater Pollution Control Plan*”, “*SWPCC*”, or “*Plan*” means the stormwater pollution control plan required under Section 5(b) of the general permit and approved by Commissioner as part of the approval of a registration.

“*Stormwater Quality Manual*” means the 2004 Connecticut Stormwater Quality Manual published by the Connecticut Department of Energy & Environmental Protection, as amended.

“*Surface water*” means that portion of waters, as the term “waters” is defined in section 22a-423 of the Connecticut General Statutes, located above the ground surface.

“*Tidal wetland*” means a wetland as that term is defined in section 22a-29(2) of the Connecticut General Statutes.

“*Total disturbance*” means the total area of disturbance on a site during all phases of construction activity.

“*Total Maximum Daily Load*” or “*TMDL*” means the maximum capacity of a surface water to assimilate a pollutant as established by the commissioner, including pollutants contributed by point and non-point sources and a margin of safety.

“*Upland soils*” means soils which are not designated as poorly drained, very poorly drained, alluvial, or flood plain by the National Cooperative Soils Survey, as may be amended, of the Natural Resources Conservation Service of the United States Department of Agriculture and/or the inland wetlands agency of the municipality in which the project will take place.

“*Water company*” means water company as defined in section 25-32a of the Connecticut General Statutes.

“*Waters*” shall be as defined in Conn. Gen. Stat. § 22a-423, and for clarification shall include vernal pools and intermittent waters.

“*Water Quality Standards*” means the water quality standards in RCSA 22a-426-1 et seq, and the classification maps adopted pursuant to section 22a-426 of the Connecticut General Statutes, as both may be amended.

“*Water Quality Volume*” or “*WQV*” means the volume of runoff generated by one inch of rainfall on a site as defined in the 2004 Connecticut Stormwater Quality Manual, as amended.

“*Wetland*” shall mean and include both “wetland” as defined in Conn. Gen. Stat. § 22a-29 and “wetlands” as defined in Conn. Gen. Stat. § 22a-38.

Section 3. Authorization Under This General Permit

(a) Eligible Activities

This general permit authorizes construction activities and associated stormwater and dewatering wastewater discharges on a site, as defined in this general permit, with a total disturbance of one or more acres of land area on a site, *regardless of project phasing*.

In the case of a larger plan of development (such as a subdivision), the estimate of total acres of site disturbance shall include, but is not limited to, road and utility construction, individual lot construction (e.g. house, driveway, septic system, etc.), and all other construction associated with the overall plan, regardless of the individual parties responsible for construction of these various elements.

(b) Requirements for Authorization

This general permit authorizes the construction activity and associated discharges listed in the “Eligible Activities” section (Section 3(a)) of this general permit provided:

(1) Coastal Management Act

Such construction activity must be consistent with all applicable goals and policies in section 22a-92 of the Connecticut General Statutes, and must not cause adverse impacts to coastal resources as defined in section 22a-93(15) of the Connecticut General Statutes. Please refer to the Appendix D for additional guidance.

(2) Endangered and Threatened Species

Such activity must not threaten the continued existence of any species listed pursuant to section 26-306 of the Connecticut General Statutes as endangered or threatened and must not result in the destruction or adverse modification of habitat designated as essential to such species. See Appendix A for conditions and requirements for compliance.

(3) Aquifer Protection Areas

Such construction activity, if it is located within an aquifer protection area as mapped under section 22a-354b of the General Statutes, must comply with regulations adopted pursuant to section 22a-354i of the General Statutes. Please refer to the Appendix C for additional guidance.

For any construction activity regulated pursuant to sections 22a-354i-8(c) and 9(b) of the Regulations of Connecticut State Agencies (Aquifer Protection Regulations), the Stormwater Pollution Control Plan (Plan) must assure that stormwater run-off generated from the regulated construction activity (i) is managed in a manner so as to prevent pollution of groundwater, and (ii) complies with all the requirements of this general permit.

(4) Mining Operations Exception

The stormwater discharge resulting from an activity classified by the Standard Industrial Classification 10 and 12 through 14 (the mining industry) is not eligible to be authorized by this general permit and is regulated under the most recently issued General Permit for the Discharge of Stormwater Associated with Industrial Activity.

(5) Discharge to POTW

The stormwater is *not* discharged to a Publicly Owned Treatment Works (POTW).

(6) Discharge to Groundwater

The stormwater is *not* discharged entirely to groundwater under all conditions before, during or after construction.

(7) Such construction activity must be consistent with the Wild and Scenic Rivers Act (16 U.S.C. 1271-1287) for those river components and tributaries which have been designated as Wild and Scenic by the United States Congress. Further, such construction activities must not have a direct and adverse effect on the values for which such river designation was established. Please refer to Appendix H for additional guidance.

(8) Certification Requirements for Registrants and other Individuals

As part of the registration for this general permit, the registrant and any other individual or individuals responsible for preparing the registration submits to the commissioner a written certification which, at a minimum, complies with the following requirements:

(A) The registrant and any other individual or individuals responsible for preparing the registration and signing the certification has completely and thoroughly reviewed, at a minimum, this general permit and the following regarding the activities to be authorized under such general permit:

- (i) all registration information provided in accordance with Section 4(c)(2) of such general permit;
- (ii) the project site, based on a site inspection;
- (iii) the Stormwater Pollution Control Plan; and
- (iv) any plans and specifications and any Department approvals regarding such Stormwater Pollution Control Plan;

(B) The registrant and any other individual or individuals responsible for preparing the registration and signing the certification pursuant to this general permit has, based on the review described in section 3(b)(8)(A) of this general permit, made an affirmative determination to:

- (i) comply with the terms and conditions of this general permit;
- (ii) maintain compliance with all plans and documents prepared pursuant to this general permit including, but not limited to, the Stormwater Pollution Control Plan;
- (iii) properly implement and maintain the elements of the Stormwater Pollution Control Plan; and
- (iv) properly operate and maintain all stormwater management systems in compliance with the terms and conditions of this general permit to protect the waters of the state from pollution;

(C) Such registrant and any other individual or individuals responsible for preparing the registration certifies to the following statement: "I hereby certify that I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT

ADDRESS OF PROJECT OR ACTIVITY] and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify that I have made an affirmative determination in accordance with Section 3(b)(8)(B) of this general permit. I understand that the registration filed in connection with such general permit is submitted in accordance with and shall comply with the requirements of Section 22a-430b of Connecticut General Statutes. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

- (9) The registrant has submitted to the commissioner a written certification by a professional engineer or, where appropriate, a landscape architect licensed in the State of Connecticut for the preparation, planning and design of the Stormwater Pollution Control Plan ("Plan" or "SWPCP") and stormwater management systems:

The professional engineer or landscape architect shall certify to the following statement:

"I hereby certify that I am a [professional engineer][landscape architect] licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

- (10) Plan Review and Certification by a District for Locally Approvable Projects

For locally approvable Plans not reviewed in accordance with Section 3(b)(11), below, the registrant has submitted to the commissioner a written certification by the appropriate regional District for the review of the Stormwater Pollution Control Plan pursuant to Appendix E, which, at a minimum, complies with the following requirements:

- (A) the Plan Review Certification must be signed by the District. Information on the District review process is outlined in the Memorandum of Agreement provided in Appendix E. In cases where the District is unable to complete review of the Plan within the time limits

specified in the Memorandum of Agreement in Appendix E, a notice to that effect signed by the District may be submitted in lieu of the certification.

(B) the Stormwater Pollution Control Plan has been prepared in accordance with the requirements of Section 5(b) of the general permit.

(11) Plan Review and Certification by a Qualified Soil Erosion and Sediment Control Professional and Qualified Professional Engineer for Locally Approvable Projects

For those Plans not reviewed in accordance with Section 3(b)(10), above, the registrant has submitted to the commissioner a written certification by a qualified professional engineer or a qualified soil erosion and sediment control professional in accordance with the following requirements:

- (A) for projects disturbing more than one acre and less than fifteen (15) acres, such qualified soil erosion and sediment control professional or qualified professional engineer:
- (i) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant; and
 - (ii) has no ownership interest of any kind in the project for which the registration is being submitted.
- (B) for projects disturbing fifteen (15) acres or more, such qualified soil erosion and sediment control professional or qualified professional engineer:
- (i) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant;
 - (ii) did not engage in any activities associated with the preparation, planning, designing or engineering of such plan for soil erosion and sediment control or plan for stormwater management systems on behalf of such registrant;
 - (iii) is not under the same employ as any person who engaged in any activities associated with the preparation, planning, designing or engineering of such plans and specifications for soil erosion and sediment control or plans and specifications for stormwater management systems on behalf of such registrant; and
 - (iv) has no ownership interest of any kind in the project for which the registration is being submitted.
- (C) The qualified professional engineer or qualified soil erosion and sediment control professional signing the certification has, at a minimum, completely and thoroughly reviewed this general permit and the following regarding the discharges to be authorized under such general permit:
- (i) all registration information provided in accordance with Section 4(c)(1) of such general permit;
 - (ii) the site, based on a site inspection;
 - (iii) the Stormwater Pollution Control Plan;
 - (iv) the Guidelines;

- (v) the Stormwater Quality Manual, if applicable; and
- (vi) all non-engineered and engineered stormwater management systems, including any plans and specifications and any Department approvals regarding such stormwater management systems.

(D) Affirmative Determination

- (i) The qualified soil erosion and sediment control professional signing the certification must have made an affirmative determination, based on the review described in section 3(b)(11)(C) of this general permit that:
 - (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration is adequate to assure that the project or activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit; and
 - (b) all non-engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual;
 - (2) will function properly as designed;
 - (3) are adequate to ensure compliance with the terms and conditions of this general permit; and
 - (4) will protect the waters of the state from pollution.
- (ii) The qualified professional engineer signing the certification must have made an affirmative determination, based on the review described in section 3(b)(11)(C) of this general permit that:
 - (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration is adequate to assure that the activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit; and
 - (b) all non-engineered and engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual;
 - (2) will function properly as designed;
 - (3) are adequate to ensure compliance with the terms and conditions of this general permit; and

(4) will protect the waters of the state from pollution.

- (E) The qualified professional engineer or qualified soil erosion and sediment control professional shall, provided it is true and accurate, certify to the following statement:

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in sections 3(b)(11)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(11)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 3(b)(11)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

(12) Plan Review and Certification for Projects Conducted by State Agencies

For projects conducted by a state agency (e.g. DOT, DAS, etc.), the registering agency has submitted to the commissioner a written certification by a qualified professional engineer or a qualified soil erosion and sediment control professional in accordance with the following requirements:

- (A) the registering agency or another state agency has developed a process to establish a list of qualified professional engineers and qualified soil erosion and sediment control professionals for which the process to qualify has been approved in writing by the commissioner;
- (B) the qualified professional engineer or qualified soil erosion and sediment control professional reviewing and certifying the Plan is included on the list prepared by a state agency and for which the process to establish the list has been approved by the commissioner pursuant to Section 3(b)(12)(A), above;
- (C) the qualified professional engineer or qualified soil erosion and sediment control professional signing the certification has, at a minimum, completely and thoroughly reviewed this general permit and the following regarding the discharges to be authorized under such general permit:
 - (i) all registration information provided in accordance with Section 4(c)(2) of such general permit;
 - (ii) the site, based on a site inspection;
 - (iii) the Stormwater Pollution Control Plan;

- (iv) the Guidelines;
- (v) the Stormwater Quality Manual, if applicable; and
- (vi) all non-engineered and engineered stormwater management systems, including any plans and specifications and any Department approvals regarding such stormwater management systems.

(D) Affirmative Determination

- (i) The qualified soil erosion and sediment control professional signing the certification must have made an affirmative determination, based on the review described in section 3(b)(12)(C) of this general permit that:
 - (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration is adequate to assure that the project or activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit; and
 - (b) all non-engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual;
 - (2) will function properly as designed;
 - (3) are adequate to ensure compliance with the terms and conditions of this general permit; and
 - (4) will protect the waters of the state from pollution.
- (ii) The qualified professional engineer signing the certification must have made an affirmative determination, based on the review described in section 3(b)(12)(C) of this general permit that:
 - (a) the Stormwater Pollution Control Plan prepared and certified pursuant to the registration is adequate to assure that the activity authorized under this general permit, if implemented in accordance with the Stormwater Pollution Control Plan, will comply with the terms and conditions of such general permit; and
 - (b) all non-engineered and engineered stormwater management systems:
 - (1) have been designed to control pollution to the maximum extent achievable using measures that are technologically available and economically practicable and that conform to those in the Guidelines and the Stormwater Quality Manual;
 - (2) will function properly as designed;
 - (3) are adequate to ensure compliance with the terms and conditions of this general permit; and

(4) will protect the waters of the state from pollution.

- (E) The qualified professional engineer or qualified soil erosion and sediment control professional shall, provided it is true and accurate, certify to the following statement:

"I hereby certify that I am a qualified professional engineer or qualified soil erosion and sediment control professional, or both, as defined in the General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and as further specified in sections 3(b)(12)(A) and (B) of such general permit. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(12)(C) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I further certify that I have made the affirmative determination in accordance with Sections 3(b)(12)(D)(i) and (ii) of this general permit. I understand that this certification is part of a registration submitted in accordance with Section 22a-430b of Connecticut General Statutes and is subject to the requirements and responsibilities for a qualified professional in such statute. I also understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

- (F) Projects conducted by a state agency under this subparagraph (Section 3(b)(12)) shall be submitted in accordance with the requirements in Sections 3(c), 3(g)(1)(B) and 4(c)(2)(A)(i).

(13) New Discharges to Impaired Waters

- (A) For impaired waters identified in the State's most recent Integrated Water Quality Report, new stormwater discharges proposed in a registration submitted under this general permit that will discharge directly to such waters must comply with the requirements of (13)(B), below, if such report indicates the cause or potential cause of the impairment as one of the following:
- (i) Site Clearance (Land Development or Redevelopment)
 - (ii) Post-Development Erosion and Sedimentation
 - (iii) Source Unknown (if cause of impairment is Sedimentation/Siltation)
- (B) Such stormwater discharge is authorized if the permittee complies with the requirements of Section 5(b)(3) of this permit and receives a written affirmative determination from the commissioner that the discharge meets the requirements of that section. In such case, the permittee must keep a copy of the written determination onsite with the Plan. If the permittee does not receive such affirmative determination, the construction activity is not authorized by this general permit and must obtain an individual permit.

(14) Solar Arrays

For constructions activities associated with the development of a solar array that is locally exempt, as those respective terms are defined in Section 2, in addition to the other requirements of this general permit a Permittee shall also comply with the requirements in Appendix I.

(15) Cold Water Stream Habitat

Unless otherwise authorized in writing by the Commissioner, a Permittee shall maintain a one-hundred (100) foot buffer of undisturbed soil and well-established vegetation between any construction activity and any stream, river, or tributary that is included within a Cold Water Stream Habitat as defined at: <https://portal.ct.gov/DEEP/Water/Inland-Water-Monitoring/Cold-Water-Stream-Habitat-Map>.

(16) Other Requirements for Authorization

The following requirements for authorization shall apply to all projects:

(A) Prior to commencement of any construction activity, the Permittee shall conduct a preconstruction meeting with the qualified professional who designed the project, the qualified inspector who will be conducting inspections, and all site contractors and subcontractors to be involved in construction. Such meeting shall convey the design, stormwater control measures, erosion and sediment controls, plan implementation and routine site inspections, and contract requirements for the project prior to earth disturbance. Such meeting shall also include a site walk of the project site. In the case of solar arrays and any other projects that may be reviewed and/or inspected by a District, the preconstruction meeting and site walk shall also include the appropriate District personnel. The Permittee shall ensure that the date of such meeting and a report summarizing the meeting shall be prepared and retained in the Permittee's Plan.

(B) The following contractor certification shall be signed by all contractors and subcontractors that will perform construction activities on the site that have the potential to cause pollution of the waters of the State:

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for the site."

Such signed certifications shall be maintained with the Plan on-site at all times.

(C) The designing qualified professional shall conduct the Plan Implementation Inspection(s) pursuant to Section 5(b)(4)(A) and shall submit such Plan Implementation Inspection report(s) to the commissioner confirming compliance with the general permit and proper initial implementation of all control measures designated in the Plan for the initial phase of construction. In the case of solar arrays and any other projects that may be reviewed and/or inspected by a District, the Plan Implementation Inspection(s) shall also include the appropriate District personnel.

(D) For locally approvable projects, the permittee shall indicate whether any financial assurance was required by the town in which the project is being conducted and, if so, indicate what type of assurance was required and in what amount.

(E) Nothing in this subsection or permit shall be construed to authorize District personnel, a qualified soil erosion and sediment control professional or a qualified professional engineer to engage in any profession or occupation requiring a license under any other provision of the general statutes without such license.

(F) Failure to comply with any provisions of Section 3(b)(16) is a violation of this general permit and shall be grounds for the commissioner to revoke authorization.

(G) **Specific Provisions Applicable to Projects Conducted by State Agencies**

(i) Permittee shall conduct a preconstruction meeting with the contractor that conveys the design, stormwater control measures, plan implementation and routine site inspections, erosion and sediment controls, and contract requirements for the project prior to earth disturbance. Such meeting shall include a site walk of the project site.

(ii) The DOT District Engineer, District Environmental Coordinator, or the designated employee of another state agency shall conduct the Plan Implementation Inspection(s) pursuant to Section 5(b)(4)(A) of the general permit and shall submit such Plan Implementation Inspection report(s) to the Commissioner confirming compliance with the general permit and proper initial implementation of all control measures designated in the Plan for the initial phase of construction.

(iii) The State is not required to provide evidence of financial assurance.

(c) **Registration**

Pursuant to the “Registration Requirements” section (Section 4) of this general permit, a completed registration with respect to the construction activity shall be filed with the commissioner.

(d) **Small Construction**

For construction projects with a total disturbance of between one and five acres, the permittee shall adhere to the erosion and sediment control land use regulations of the municipality in which the construction activity is conducted, as well as the Guidelines and the Stormwater Quality Manual.

No registration or Plan review and certification shall be required for such construction activity provided a land-use commission of the municipality (i.e. planning/zoning, wetland, conservation, etc) reviews and issues a written approval of the proposed erosion and sediment control measures, pursuant to the requirements of section 22a-329 of the Connecticut General Statutes. In the absence of a municipal commission to review and approve such activity, the permittee shall register with the DEEP under the requirements for a Locally Exempt Project and comply with all applicable conditions of this general permit.

(e) **Geographic Area**

This general permit applies throughout the State of Connecticut.

(f) **Effective Date and Expiration Date of this General Permit**

This General Permit shall be effective at 12:00 a.m. on December 31, 2020. The provisions of this General Permit shall expire as of 11:59 p.m. on December 30, 2025.

(g) *Effective Date of Authorization*

A construction activity is not authorized by this general permit unless a registration has been approved by the Commissioner and the following conditions have been met:

(1) General Timelines

- (A) for locally approvable projects, sixty (60) days have elapsed after the submission of a complete and sufficient registration form required by Section 4(c) of the general permit, or
- (B) for locally exempt projects with a total disturbed area of under fifteen (15) acres, sixty (60) days have elapsed after the submission of a complete and sufficient registration form required by Section 4(c), or
- (C) for locally exempt projects with a total disturbed area equal to or more than fifteen (15) acres, ninety (90) days have elapsed after the submission of a complete and sufficient registration form required by Section 4(c) of the general permit.

(2) Exceptions to Authorization Timelines

If one of the following conditions applies, that condition shall supersede those of subsection (1), above:

- (A) for sites for which the registration and Plan availability and review provisions of Section 4(e) of the general permit are completed prior to the elapse of the authorization periods in subdivision (1), above, the commissioner may authorize the activity upon such completion, or
- (B) for sites for which the conditions of Section 3(b)(2), 3(b)(13) or Section 5(a)(2) of the general permit apply, the activity is authorized only upon the date of the commissioner's affirmative determination and/or approval of a registration, or
- (C) for sites authorized by any previous version of this general permit and for which no Notice of Termination has been submitted pursuant to the "Termination Requirements" of that general permit, the activity is authorized effective December 31, 2020. Authorization under this general permit shall cease if a re-registration form is not submitted within one hundred twenty (120) days of the effective date of this general permit.

(h) *Revocation of an Individual Permit*

No person shall seek authorization under this general permit for a construction activity authorized by an individual permit. If a construction activity is eligible for authorization under this general permit and such activity is presently authorized by an individual permit, the existing individual permit may be revoked by the commissioner upon a written request by the permittee. If the commissioner revokes such individual permit in writing, such revocation shall take effect on the effective date of authorization of such activity under this general permit.

(i) *Issuance of an Individual Permit*

If the commissioner issues an individual permit under section 22a-430 of the Connecticut General Statutes, authorizing a construction activity authorized by this general permit, this general permit shall cease to authorize that activity beginning on the date such individual permit is issued.

Section 4. Registration Requirements

(a) *Who Must File a Registration*

With the exception noted in the “Small Construction” section (Section 3(d)) of this general permit, any person or municipality which initiates, creates, originates or maintains a discharge described in the “Eligible Activities” section (Section 3(a)) of this general permit shall file with the commissioner a registration form (or, for existing permittees, a re-registration form) that meets the requirements of the “Contents of Registration” section (Section 4(d)) of this general permit (or a re-registration form) and the applicable fee within the timeframes and in the amounts specified in Sections 4(c) and 4(d)(1)(A), respectively. Any such person or municipality filing a registration remains responsible for maintaining compliance with this general permit.

(b) *Scope of Registration*

Each registration shall be limited to the discharge at or from one site; no registration shall cover discharges at or from more than one site.

(c) *Registration Procedure*

(1) Locally Approvable Projects

The registration must:

- (A) Be electronically submitted, along with all required elements in subsections (B) through (E), below, at least sixty (60) days prior to the planned commencement of the construction activity. Failure to include any of these required submissions shall, among other potential reasons, be grounds to reject the registration.
- (B) Include the electronic Registration Form (available at www.ct.gov/deep/stormwater).
- (C) Include any additional forms and information that may be required pursuant to the “Requirements for Authorization” section (Section 3(b) of the general permit) regarding compliance and/or consistency with the Coastal Management Act, Impaired Waters (including TMDL requirements), Endangered and Threatened Species, and Aquifer Protection Areas.
- (D) Include an electronic copy of the Stormwater Pollution Control Plan. The electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in this electronic copy any pages or other material that do not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (E) Include a Plan Review Certification in accordance with the plan review certification requirements of either Section 5(b)(10) or 5(b)(11) of the general permit.

(2) Locally Exempt Projects

The registration must be electronically submitted, along with all required elements in subsections (B), (C) and (D) of this section. The sixty (60) or ninety (90) day periods cited in subparagraph (A) of this subdivision shall not begin until all required elements have been submitted. Failure to include any of these required submissions shall be grounds to reject the registration. A registration shall:

- (A) Be submitted at least:
 - (i) sixty (60) days prior to the planned commencement of the construction activity if the site has a total disturbance of between one (1) and fifteen (15) acres; *or*
 - (ii) ninety (90) days prior to the planned commencement of construction activity if the site:
 - (a) has a total disturbance greater than fifteen (15) acres;
 - (b) discharges to a tidal wetland (that is not a fresh-tidal wetland) within 500 feet of the discharge point; *or*
 - (c) is subject to the impaired waters provisions of Section 3(b)(13) of the general permit.
 - (B) Include the electronic Registration Form (available at www.ct.gov/deep/stormwater).
 - (C) Include any additional forms and information that may be required pursuant to Section 3(b) of the general permit, “Requirements of Authorization”, regarding compliance and/or consistency with the Coastal Management Act, Impaired Waters (including TMDL requirements), Endangered and Threatened Species, Solar Array provisions and Aquifer Protection.
 - (D) Include an electronic copy of the Stormwater Pollution Control Plan (Plan) (or a web address where the electronic Plan can be downloaded) for the commissioner’s review. The electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in this electronic copy any pages or other material that do not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, A-2 boundary or similar lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (3) Re-Registration of Existing Projects
- (A) *Re-Registration.* In order for discharges to continue to be authorized, a Permittee with a registration previously approved by the Commissioner under any previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” of that general permit shall submit a re-registration. Any such registration shall:
 - (i) be submitted no later than one hundred twenty (120) days after the effective date of this general permit using an electronic Re-Registration Form (available at www.ct.gov/deep/stormwater) pursuant to Section 4(c)(3) of the general permit; and
 - (ii) be accompanied by the fee set forth in Section 4(d)(1)(A)(iii) of the general permit unless that section provides for the waiver of such fee. Resubmission of a Permittee’s Plan is not required with a re-registration provided, however, that such Plan shall be provided to, if requested by, the commissioner. Such Plan shall be provided within the time frame provided for in any request, or if no timeframe is provided, within thirty (30) days of the date of any such request.
 - (B) *Existing Projects that are not re-registered.* Discharges at or emanating from a site, for a Permittee with a registration previously approved by the Commissioner, that is not re-registered in accordance with this section shall no longer be authorized. Any re-registration

received more than one hundred twenty (120) days after the effective date of this general permit shall be considered to be a new registration, and shall not be eligible for any exemption from, or waiver of, any condition or requirement of this general permit, as specified in this section, and shall instead be required to comply with this general permit as if it were a new project, i.e., a project that had not been previously registered.

- (C) *Exemption for Existing Projects Upon Re-Registration.* A Permittee that submits a re-registration in compliance with this section shall, except as provided in this section, comply with the terms and conditions of this general permit, including, but not limited to, the Plan in effect for the site. Any such Permittee shall be exempt from compliance with Sections 3(b)(15) and 5(b)(2)(D)(vi) of this general permit and, for a Permittee submitting a re-registration for construction of a solar array, shall be exempt from paragraphs (1) and (2) of Section I, Design and Construction requirements, in Appendix I and Section II, Design requirements for post-construction stormwater management measures in Appendix I.

Note: For clarification purposes, the provisions of this general permit, including any updates to a Permittee's Plan, shall not apply retroactively to construction activities that may have already commenced – or been completed - before a Permittee submits a re-registration pursuant to section 4(c)(3) of this general permit. For example, the plan implementation inspections required by Section 5(b)(4)(A) of this general permit would not be applicable to a phase of construction already begun at the time a re-registration is submitted. By contrast, compliance with those same plan implementation inspection requirements would be required for each phase of construction that commences after a re-registration is submitted.

(4) Latest Date for New Registrations

Unless another date is specified by the Commissioner on the Department's Internet website (www.ct.gov/deep/stormwater), no person shall submit a registration under this general permit on or after October 1, 2025.

(d) Contents of Registration

(1) Fees

(A) Registration Fee

A registration, if required, shall not be deemed complete unless the registration fee has been paid in full.

(i) Locally Approvable Projects

A registration fee of \$625.00 shall be submitted to the Department with the registration form.

(ii) Locally Exempt Projects

A registration fee shall be submitted with a registration form as follows:

- (a) For sites with total disturbance of one (1) or more acres, but less than fifteen (15) acres, the fee shall be \$3,000.
- (b) For sites with total disturbance equal to or greater than fifteen (15) acres and less than fifty (50) acres, the fee shall be \$4,000.

- (c) For sites with total disturbance equal to or greater than fifty (50) acres, the fee shall be \$5,000.

The fees for municipalities shall be half of those indicated in subsections (a), (b) and (c) above pursuant to section 22a-6(b) of the Connecticut General Statutes. State and Federal agencies shall pay the full fees specified in this subsection.

(iii) Re-registration

- (a) For sites that registered under the previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities prior to August 1, 2019 and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), the re-registration fee shall be \$625 payable with submission of the re-registration form within one hundred twenty (120) days from the effective date of this general permit. If a Notice of Termination is submitted prior to January 1, 2020, no re-registration or associated fee are required.
- (b) For sites that registered under the previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities on or after August 1, 2019 and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” section (Section 6), the permittee shall re-register and there is no re-registration fee.

(B) The registration fee shall be paid electronically or by check or money order payable to the Department of Energy & Environmental Protection in accordance with the instructions on the registration form.

(C) The registration fee is non-refundable.

(2) Registration Form

A registration shall be filed electronically on forms prescribed and provided by the commissioner (available at: www.ct.gov/deep/stormwater).

A registration shall include, but not be limited to, the following:

- (A) Legal name, address, email address, and telephone number of the registrant. If the registrant is a person (as defined in Section 2 of this permit) transacting business in Connecticut and is registered with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.
- (B) Legal name, address, email address, and telephone number of the owner of the property on which the construction activity will take place.
- (C) Legal name, address, email address, and telephone number of the primary contact for departmental correspondence and inquiries, if different from the registrant.
- (D) Legal name, address, email address, and telephone number of the developer of the property on which the construction activity is to take place.
- (E) Legal name, address, email address, and daytime and off-hours telephone numbers of the general contractor(s) or other representative(s), if different from the developer.

- (F) Legal name, address, email address, and telephone number of any consultant(s), engineer(s) or landscape architect(s) retained by the permittee to prepare the registration and Stormwater Pollution Control Plan.
- (G) Location address or description of the site for which the registration is filed.
- (H) The estimated duration of the construction activity.
- (I) Indication of the normal working hours at the site.
- (J) A brief description of the construction activity, including, but not limited to:
 - (i) Total number of acres to be disturbed, regardless of phasing.
 - (ii) Verification that construction is in accordance with the Guidelines and local erosion and sediment control ordinances, where applicable.
 - (iii) For sites in the Coastal Boundary, documentation that the DEEP Office of Long Island Sound Programs or local governing authority has issued a coastal site plan approval or a determination that the project is exempt from coastal site plan review (see Appendix D) in accordance with section 22a-92 and 22a-93(15) of the Connecticut General Statutes.
 - (iv) Documentation that the construction activity will not threaten the continued existence of any species listed pursuant to section 26-306 of the Connecticut General Statutes as endangered or threatened and will not result in the destruction or adverse modification of habitat designated as essential to such species (see Appendix A).
 - (v) For sites discharging to certain impaired waters, as specified in Section 3(b)(13) of the general permit, documentation that the construction activity meets the requirements of that section and Section 5(b)(3) of the general permit for authorization under this general permit.
 - (vi) Verification that the construction activity is not located within an aquifer protection area (see Appendix C) as mapped under section 22a-354b of the Connecticut General Statutes or, if it is located within an aquifer protection area, that the construction activity will comply with regulations adopted pursuant to section 22a-354i of the Connecticut General Statutes.
 - (vii) For a proposed locally approvable project, a plan review certification from the appropriate District, qualified soil erosion and sediment control professional, and/or qualified professional engineer in accordance with Section 5(b)(10) or (11) or a notice from the District that they were unable to complete the Plan review within the time limits specified in the Memorandum of Agreement in Appendix E.
 - (viii) For construction activities within one-hundred (100) feet of any stream, river, or tributary that is included within a Cold Water Stream Habitat, as may be authorized by the Commissioner pursuant to Section 3(b)(15) of this general permit, a completed Fisheries Consultation Form or documentation of official interagency coordination between the Fisheries Division and other state agency staff.

- (K) A brief description of the stormwater discharge, including:
 - (i) The name of the municipal separate storm sewer system or immediate surface water body or wetland to which the stormwater runoff will discharge;
 - (ii) Verification of whether or not the site discharges to a tidal wetland (that is not a fresh-tidal wetland) within 500 feet of the discharge point, to a high quality water or to an impaired water with or without a TMDL;
 - (iii) The name of the watershed or nearest waterbody to which the site discharges.
 - (iv) Location of the stormwater discharge(s) including latitude and longitude.
- (L) The total effective impervious cover for the site before and after the proposed construction activity.
- (M) Documentation that the proposed construction activity has been reviewed for consistency with state Historic Preservation statutes, regulations, and policies including identification of any potential impacts on property listed or eligible for listing on the Connecticut Register of Historic Places. A review conducted for an Army Corps of Engineers Section 404 wetland permit would meet this qualification. Refer to Appendix G for guidance on conducting the required review.
- (N) An electronic copy of their Plan. The electronic Plan shall be in Adobe™ PDF format or similar publicly available format in common use. **DO NOT INCLUDE** in this Plan any pages or other material that do not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.).
- (O) The certification of the registrant and of the individual or individuals responsible for actually preparing the registration, in accordance with Section 3(b)(8) of the general permit.
- (P) A design certification must be signed by a professional engineer or, where appropriate, a landscape architect in accordance with Section 3(b)(9) of the general permit.
- (Q) For registrations for locally approvable projects a review certification must be signed by either: (i) a District representative in accordance with Section 3(b)(10) of the general permit, or (ii) a qualified soil erosion and sediment control professional and/or qualified professional engineer in accordance with either Section 3(b)(11) of the general permit.

If the registrant is not capable of submitting electronically, contact the DEEP stormwater staff at DEEP.stormwaterstaff@ct.gov.

(3) Re-Registration Form

For sites previously registered under any previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and for which no Notice of Termination has been submitted pursuant to the “Termination Requirements” in Section 6 of the general permit, a re-registration is required. Such re-registration shall be filed electronically on forms prescribed and provided by the commissioner (available at: www.ct.gov/deep/stormwater) and shall include, but not be limited to, the following:

- (A) Legal name, address, email address, and telephone number of the registrant. If the registrant is a person transacting business in Connecticut and is registered with the Connecticut

Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.

- (B) The previously issued permit number (beginning with GSN).
- (C) Legal name, address, email address, and telephone number of the owner of the property on which the construction activity will take place.
- (D) Legal name, address, email address, and telephone number of the primary contact for departmental correspondence and inquiries, if different from the registrant.
- (E) Legal name, address, email address, and telephone number of the developer of the property on which the subject construction activity is to take place.
- (F) Legal name, address, email address, and daytime and off-hours telephone numbers of the general contractor(s) or other representative(s), if different from the developer.
- (G) Legal name, address, email address, and telephone number of any consultant(s) or engineer(s) retained by the permittee to prepare the registration and Stormwater Pollution Control Plan.
- (H) Location address or description of the site for which the re-registration is filed.
- (I) Indication of the normal working hours at the site.
- (J) The estimated duration of the construction activity.
- (K) The signature of the registrant and of the individual or individuals responsible for actually preparing the re-registration, each of who shall certify in writing as follows:

“I hereby certify that I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY] and that all terms and conditions of the general permit are being met for all discharges which have been initiated and such activity is eligible for authorization under such permit. I further certify that all designs and plans for such activity meet the current terms and conditions of the general permit in accordance with Section 5(b)(5)(C) of such general permit and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I certify that the registration filed pursuant to this general permit is on complete and accurate forms as prescribed by the commissioner without alteration of their text. I certify that I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in Section 3(b)(8)(A) of such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement made in the submitted information and in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law.”

(e) *How to Submit a Registration*

A registration or re-registration (available at: www.ct.gov/deep/stormwater) shall be filed electronically with the commissioner in accordance with Section 4(d)(2) or (3) of the general permit. If a permittee is not capable of submitting electronically, contact the DEEP stormwater staff at DEEP.stormwaterstaff@ct.gov.

(f) *Availability of Registration and Plan*

The commissioner shall post on the DEEP website a list of registrations submitted. Plans will be posted electronically with the corresponding registration. On or before thirty (30) days from the date such registration is accessible to the public through posting by the commissioner, members of the public may review and comment on a registration and/or Plan. This provision shall not apply to Permittee's submitting a re-registration for sites registered under any previous version of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and for which no Notice of Termination has been submitted pursuant to the "Termination Requirements" in Section 6 of the general permit.

(g) *Additional Information*

The commissioner may require a Permittee to submit additional information that the commissioner deems necessary to evaluate compliance of the subject construction activity with the requirements for authorization under this general permit.

(h) *Additional Notification*

- (1) No later than five (5) days after submitting a registration to the commissioner, the Permittee shall provide the following additional notifications:
 - (A) For discharges authorized by this general permit to a regulated municipal separate storm sewer system, a notification that a registration has been submitted to the Department shall also be submitted to the owner and operator of that system.
 - (B) For discharges authorized by this general permit to a DOT separate storm sewer system, a copy of the registration and all attachments thereto shall also be submitted to the DOT upon request.
 - (C) For discharges within a public drinking water supply watershed or aquifer protection area, a copy of the registration and the Plan described in subsection 5(b) of this general permit shall be submitted to the water company.
 - (D) For discharges to river components and tributaries which have been designated as Wild and Scenic under the Wild and Scenic Rivers Act, a copy of the registration and the Plan described in 5(b) of this general permit shall be submitted to the applicable Wild and Scenic Coordinating Committee. Please refer to Appendix H for additional guidance.
- (2) The Permittee shall ensure that a copy of the registration submitted to the Commissioner and the Plan shall be available upon request to the local inland wetlands agency established pursuant to section 22a-42 of the Connecticut General Statutes, or its duly authorized agent.

(i) *Action by Commissioner*

- (1) The commissioner may reject without prejudice a registration that the commissioner deems insufficient. For example, if it does not satisfy the requirements of the "Contents of Registration"

section (subsection 4(d)) of this general permit. Any registration refiled after such a rejection shall be accompanied by the fee specified in the “Fees” subsection (subsection 4(d)(1)) of this general permit.

- (2) The commissioner may disapprove a registration if it does not comply with the requirements of this general permit or for any other reason provided for by law. For example, if it is inconsistent with the requirements for authorization under the “Requirements for Authorization” section (Section 3(b)) of this general permit, or an individual permit is required pursuant to Conn. Gen. Stat. § 22a-430b(c). Disapproval of a registration under this subsection shall constitute notice to the registrant that the subject construction activity must be authorized under an individual permit.
- (3) Rejection or disapproval of a registration by the commissioner shall be in writing and state the reasons for such rejection or disapproval.
- (4) Pursuant to Conn. Gen. Stat. § 22a-430b(c), the commissioner may require that a person or municipality obtain an individual permit, in which case, such person or municipality will be ineligible for authorization under this general permit.
- (5) When approving a registration, the commissioner may include in any such approval any term or condition the commissioner deems necessary to protect human health and the environment..

Section 5. Conditions of this General Permit

The permittee shall comply with all of the requirements of this general permit at all times. In addition, a permittee shall be responsible for conducting authorized construction activities in accordance with the following conditions:

(a) General Conditions

- (1) Structures and Dredging in Coastal and Tidal Areas

Any person who or municipality that discharges stormwater into coastal tidal waters for which a permit is required under section 22a-361 of the Connecticut General Statutes (structures and dredging) or section 22a-32 of the Connecticut General Statutes (Tidal Wetlands Act), shall obtain such permit(s) from the commissioner. A tidal wetland permit is required for any regulated activity conducted within a tidal wetland, including, but no limited to, the placement of any sediment upon a tidal wetland, whether it is deposited directly or indirectly.

- (2) Discharges to Tidal Wetlands

Any site which has a post-construction stormwater discharge to a tidal wetland (that is not a fresh-tidal wetland) where such discharge is within 500 feet of the tidal wetland, shall discharge such stormwater through a system designed to retain and infiltrate the volume of stormwater runoff generated by 1 inch of rainfall on the site. If there are site constraints that would prevent retention of this volume on-site (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), documentation must be submitted, for the commissioner’s review and written approval, which explains the site limitations and offers an alternative retention volume. In such cases, the portion of 1 inch that cannot be retained must be provided with additional stormwater treatment so as to protect water quality. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual.

For sites unable to comply with this section, the commissioner, at the commissioner’s sole discretion, may require the submission of an individual permit in lieu of authorization under this general permit.

(3) Toxicity to Aquatic and Marine Life/Risk to Human Health

Any discharge authorized under this general permit shall not cause pollution due to acute or chronic toxicity to aquatic and marine life, impair the biological integrity of aquatic or marine ecosystems, or result in an unacceptable risk to human health.

(4) Water Quality Standards

Any discharge authorized under this general permit shall not cause or contribute to an exceedance of the applicable Water Quality Standards in the receiving water.

(5) High Quality Waters

Any new or increased discharge authorized under this general permit to high quality waters shall be discharged in accordance with the Anti-Degradation Implementation requirements in the Water Quality Standards, section 22a-426-8 of RCSA.

(b) Stormwater Pollution Control Plan

All Permittees shall develop and maintain on-site a Stormwater Pollution Control Plan (“Plan” or “SWPCP”) for the construction activity authorized by this general permit. Once the construction activity begins, the permittee shall perform all actions required by such Plan and shall maintain compliance with the Plan at all times. The permittee shall ensure that the design and implementation of the Plan minimizes: (1) soil erosion and sedimentation during and after construction; and (2) stormwater pollution from the site after construction is completed.

(1) Development and Contents of Plan

(A) The Plan shall consist of site plan drawings and a narrative. The Plan shall be prepared in accordance with sound engineering practices, and shall be consistent with the Guidelines, the Stormwater Quality Manual (available at <http://www.ct.gov/deep/stormwater>) and any applicable requirements of this general permit. The Plan shall also be consistent with any remedial action plan, closure plan or other plan required by any other DEEP permit.

(B) The Plan shall include, at a minimum, the following items:

(i) Site Plan

Site drawings indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, the location of major structural and non-structural controls (as specified in subsection 5(b)(2), below), the location of areas where stabilization practices are expected to occur, areas which will be vegetated following construction, surface waters, impaired waters (identifying those with and without a TMDL), high quality waters, inland wetlands, tidal wetlands, fresh-tidal wetlands, and locations where stormwater will be discharged to a surface water (both during and post-construction);

(ii) Site Description

(a) A narrative description of the nature of the construction activity;

(b) An estimate of the total area of the site and the total area of the site that is expected to be disturbed by construction activities;

- (c) An estimate of the average runoff coefficient of the site after construction activities are completed;
- (d) The name of the immediate receiving water(s) and the ultimate receiving water(s) of the discharges authorized by this general permit; and
- (e) Extent of wetland acreage on the site.

(iii) Construction Sequencing

The Plan shall clearly identify the expected sequence of all construction activities on the site and corresponding erosion and sediment controls and shall include an estimated timetable for all construction activities, which shall be revised as necessary to keep the Plan current. Wherever practicable, site construction activities shall be phased to avoid the disturbance of over five acres at one time (or a lesser area of disturbance as required in Section 5(b)(3) of the general permit regarding “Impaired Waters”. In addition, permanent stormwater control measures, including, but not limited to, stormwater basins should be constructed, where practicable, in the early phases of the construction sequence. The Plan shall clearly show the limits of total disturbance for the construction activity and for each phase.

(iv) Control Measures

The Plan shall include a description, in a separate narrative and on the site plan drawings, of control measures that will be implemented at the site to minimize the discharge of pollutants. Control measures shall be implemented in accordance with Section 5(b)(2) of the general permit. In addition, the following information shall be provided:

- (a) Calculations supporting the design of sediment and floatables removal controls pursuant to Section 5(b)(2)(C)(ii)(b) of the general permit.
- (b) Calculations supporting the design of velocity dissipation controls pursuant to Section 5(b)(2)(C)(ii)(c) of the general permit.

(v) Runoff Reduction and Low Impact Development (LID) Information

Where runoff reduction practices and/or LID measures are utilized, the following information shall be included in the site plan and narrative (refer to Appendix B for guidance):

- (a) The location of the site’s streams, floodplains, all wetlands, riparian buffers, slopes 3:1 and steeper, and vegetation identified for preservation and non-disturbance during construction such as forested areas, hay fields, and old fields;
- (b) Natural drainage patterns, swales, and other drainage ways, that are not streams, floodplains, or wetlands;
- (c) The location of all areas with soils suitable for infiltration¹ and areas of the site best suited for infiltration for the siting of runoff reduction practices and LID design measures;

¹ Infiltration rates must be measured by a field permeability test. The measured field design infiltration rate is equal to one-half the field-measured infiltration rate.

- (d) The location of all areas unsuitable or least suitable for infiltration for the siting of areas of development/building;
 - (e) The location of all post-construction stormwater management measures, runoff reduction practices and LID design measures developed pursuant to subsection 5(b)(2)(C)(i) of the general permit;
 - (f) Identification of areas inappropriate for the infiltration of stormwater runoff from land uses with a significant potential for groundwater pollution;
 - (g) A narrative describing the nature, purpose, implementation and long-term maintenance of post-construction stormwater management measures, runoff reduction practices and LID design measures;
 - (h) Calculations, for measures developed pursuant to Section 5(b)(2)(C)(i) of the general permit, illustrating the retention of the water quality volume or half the water quality volume for the site, as applicable, including a discussion of the impact of any runoff reduction and/or LID practices on these calculations;
 - (i) A narrative describing any site constraints that prevent retention of the appropriate volume specified in Section 5(b)(2)(C)(i) of the general permit including: an explanation of the site limitations; a description of the runoff reduction practices implemented; an explanation of why the amount retained constitutes the maximum extent achievable; an alternative retention volume; and a description of the measures used to provide additional stormwater treatment for sediment, floatables and nutrients above the alternate volume up to the water quality volume; and
 - (j) Calculations showing the proposed effective impervious cover for the site and, where required or proposed for linear projects pursuant to Section 5(b)(2)(C)(i) of the general permit, each outfall drainage area.
- (vi) Inspections

(a) Plan Implementation Inspections

The Plan shall include a Plan Implementation inspection checklist, a schedule for conducting inspections, and identification of the designing qualified professional (and District personnel, as appropriate) conducting such inspections and their responsibilities and procedures pursuant to subsection 5(b)(4)(A) of the general permit. The Plan shall also include documentation of the qualifications of the inspector and the findings, actions and results of all inspections conducted at the site. For inspection requirements for solar arrays (as defined in Section 2), see Appendix I.

(b) Routine Inspections

The Plan shall include a routine inspection checklist, schedule for conducting inspections, and identification of the qualified inspector(s) conducting the routine inspections and their responsibilities and procedures pursuant to subsection 5(b)(4)(B) of the general permit. The Plan shall also include documentation of the qualifications of the inspector(s) and the findings, actions and results of all inspections conducted at the site.

(c) For additional Plan Implementation and Routine Inspection requirements for solar arrays, see Appendix I.

(d) Inspection Checklists

The checklists required by (vi)(a) and (vi)(b) of this subparagraph shall include the information described in the checklist forms found at: www.ct.gov/deep/stormwater. Such inspection checklists shall comply with the requirements and conditions of Section 5(b)(4) of the general permit, and include a space for the qualified professional's signature and professional stamp.

(vii) Contractors

(a) The Plan shall clearly identify each contractor and subcontractor that will perform construction activities on the site that have the potential to cause pollution of the waters of the State. The Plan shall also include a copy of the certification statement pursuant to "Other Requirements for Authorization" in Section 3(b)(16) of the general permit, signed by each such contractor and subcontractor.

(b) Subdivisions

Where individual lots in a subdivision or other common plan of development are conveyed or otherwise the responsibility of another person or municipality, those individual lot contractors shall be required to comply with the provisions of this general permit and the Stormwater Pollution Control Plan, regardless of lot size or disturbed area. In such cases, the permittee shall provide a copy of the Plan to each individual lot contractor, obtain signed certifications pursuant to Section 3(b)(16)(B) of the general permit from such contractors and retain all signed certifications in the Plan.

(viii) Impaired Waters

For construction activities that discharge to impaired waters, as specified in "New Discharges to Impaired Waters" (Section 3(b)(13)), the Plan shall include a description of the provisions for controlling the construction and post-construction stormwater discharges to these waters pursuant to subsection 5(b)(3) below.

(2) Stormwater Control Measures

Control Measures are required Best Management Practices (BMPs) that the permittee must implement to minimize the discharge of pollutants from the permitted activity. The term "minimize" is defined in Section 2 of this general permit. The Permittee shall comply with the following requirements.

Control Measures shall be designed in accordance with the Guidelines, the Stormwater Quality Manual or the DOT Qualified Products List (<https://portal.ct.gov/-/media/DOT/documents/dresearch/ConnDOT-Qualified-Product-List.pdf?la=en>). Use of control measures to comply with the "Erosion and Sediment Controls" section (subsection (A) below) of this general permit that are not included in such references must be approved by the commissioner. The narrative and drawings of controls shall address the following minimum components:

(A) Erosion and Sediment Controls

(i) Soil Stabilization and Protection

The Plan shall include a narrative and drawings of interim and permanent soil stabilization practices for managing disturbed areas and soil stockpiles, including a schedule for implementing the practices. The Permittee shall ensure that existing vegetation is preserved to the maximum extent practicable and that disturbed portions of the site are minimized and stabilized throughout the duration of the construction activity at the site.

Regardless of any provisions for erosion control barriers prescribed in the Guidelines, the Permittee shall ensure that two rows of erosion control barriers are installed and maintained on sites with slopes equal to or greater than eight percent (8%) within the contributing drainage area to such barrier. Notwithstanding the foregoing, use of two rows of erosion control barriers shall not be required on the sites specified in this paragraph when: (i) the Commissioner determines, for a limited section or portion of such erosion control barriers, that it is necessary to accommodate animal crossing or animal movement; (ii) the Commissioner approves a Plan that includes an erosion control system whose performance is equivalent to, or exceeds, two rows of erosion control barriers; or (iii) for *linear projects*, the Commissioner has determined that two rows of erosion control barriers, when compared to one row, will cause greater adverse impact to wetlands, waters, or other sensitive resources. In such situation the Commissioner may approve a Plan with one row of erosion control barriers or an alternative erosion control system. When implementing this paragraph the Commissioner may consider the contributing disturbed area, drainage area, length of the slope, flow conditions to maintain sheet flow, the efficacy of the proposed barrier, any adverse impacts from the use of one or two rows of erosion control barriers, and any other factor the Commissioner deems necessary.

Where construction activities have permanently ceased or when final grades are reached in any portion of the site, stabilization and protection practices as specified in Chapter 5 of the Guidelines or as approved by the commissioner shall be implemented within seven days. Notwithstanding any provisions of the Guidelines, areas that will remain disturbed but inactive for at least fourteen calendar days shall receive temporary seeding or soil protection within seven days in accordance with the Guidelines unless site conditions warrant shorter time periods for these provisions.

Areas that will remain disturbed beyond the seeding season as identified in the Guidelines, shall receive long-term, non-vegetative stabilization and protection sufficient to protect the site through the winter. In all cases, stabilization and protection measures shall be implemented as soon as possible in accordance with the Guidelines or as approved by the commissioner.

Temporary or permanent vegetation or other ground cover shall be maintained at all times in all areas of the site, except those undergoing active disturbance, in order to prevent erosion and soil compaction during construction activities. All new temporary and permanent vegetation shall consist of native plant species. With respect to such vegetation, the Permittee shall not use chemical fertilization, herbicides, or pesticides except as necessary to establish such vegetation.

A reverse slope bench is required for any slope steeper than 3:1 (horizontal: vertical) that exceeds 15 feet vertically, except when engineered slope stabilization structures or measures are included or a detailed soil mechanics analysis has been conducted to

verify stability. Engineered analyses and measures must be designed by a CT licensed Professional Engineer with experience in geotechnical engineering or soil mechanics.

(ii) Wetland Protection

Where site disturbance occurs within fifty (50) feet upgradient of a wetland, wetlands, or waters as defined in Section 2 of the general permit, a double row of sediment barrier (e.g. hay bales, silt fence, wattles, etc.) shall be installed in accordance with the Guidelines between the disturbed area and any such downgradient wetland, wetlands or waters.

(iii) Structural Measures

The Plan shall include a narrative and drawings of structural measures to divert flows away from exposed soils, store flows or otherwise limit runoff and minimize the discharge of pollutants from the site. Unless otherwise specifically approved in writing by the commissioner, or if otherwise authorized by another state or federal permit, structural measures shall be installed on upland soils.

For points of discharge from disturbed sites with a total contributing drainage area of between two to five acres, a temporary sediment trap or temporary sediment basin shall be designed and installed in accordance with the Guidelines. For points of discharge from disturbed sites with a total contributing drainage area greater than five acres, a temporary sediment basin shall be designed and installed in accordance with the Guidelines. Such trap(s) or basin(s) must be maintained until final stabilization of the contributing area as defined in "Notice of Termination" (Section 6(a)).

The requirement for sediment traps or basins shall not apply to flows from off-site areas and flows from areas of the site that are either undisturbed or have undergone final stabilization, provided such flows are diverted around the temporary sediment trap or basin and are approved in writing by the commissioner.

(iv) Maintenance

The Plan shall include a narrative of the procedures to maintain, in good and effective operating condition, all erosion and sediment control measures, including vegetation, and all other protective measures identified in the Plan. Maintenance of all erosion and sediment controls shall be performed in accordance with the Guidelines, or more frequently as necessary.

(B) Dewatering Wastewaters

Dewatering wastewaters shall be managed in accordance with the Guidelines. Dewatering wastewaters discharged to surface waters shall be discharged in a manner that minimizes the discoloration of the receiving waters. The Plan shall include a narrative and drawings of the operational and structural measures that will be used to ensure that all dewatering wastewaters will not cause scouring or erosion or contain suspended solids in amounts that could reasonably be expected to cause pollution of surface waters of the State. Unless otherwise specifically approved in writing by the commissioner, or if otherwise authorized by another state or federal permit, dewatering measures shall be installed on upland soils.

No discharge of dewatering wastewater(s) shall contain or cause a visible oil sheen, floating solids, or foaming in the receiving water.

(C) Post-Construction Stormwater Management

The Plan shall include a narrative and drawings of measures that will be installed during the construction process to minimize the discharge of pollutants in stormwater discharges that will occur after construction operations have been completed. Post-construction stormwater management measures shall be designed and implemented in accordance with the Stormwater Quality Manual, the DOT Qualified Products List or as approved by the commissioner. Unless otherwise specifically provided by the commissioner in writing, or authorized by another state or federal permit, structural measures shall be placed on upland soils. The Plan shall include provisions to address the long-term maintenance of any post-construction stormwater management measure installed.

(i) Post-Construction Performance Standards

The permittee shall utilize runoff reduction practices (as defined in Section 2 of the general permit) to meet runoff volume requirements based on the conditions below.

(a) Redevelopment

For sites that are currently developed with an effective impervious cover of forty percent or more and for which the permittee is proposing redevelopment, the permittee shall design the site in such a manner as to retain on-site half the water quality volume (as defined in Section 2 of the general permit) for the site and provide additional stormwater treatment without retention for discharges up to the full water quality volume for sediment, floatables and nutrients to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice. In cases where the permittee is not able to retain half the water quality volume (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), the permittee shall design the redevelopment to retain runoff volume to the maximum extent achievable using control measures that are technologically available and economically practicable and achievable in light of best industry practice. In such cases, additional stormwater treatment up to the full water quality volume is still required. Any such treatment shall be designed, installed and maintained in accordance with the Stormwater Quality Manual. If retention of half the water quality volume is not achieved, the permittee shall submit a report for the commissioner's review and written approval describing: the measures taken to maximize runoff reduction practices on the site; the reasons why those practices constitute the maximum extent achievable; the alternate retention volume; and a description of the measures used to provide additional stormwater treatment above the alternate volume up to the water quality volume.

(b) Linear Redevelopment

In the case of linear redevelopment projects (e.g. roadway reconstruction or widening or public utility rights of way) for the developed portion of the right of way: (1) for projects that may be unable to comply with the retention of the appropriate portion of the water quality volume specified in subparagraphs (a) and (c) of this subsection, the alternate retention and treatment provisions may also be applied as specified in such subparagraphs, or (2) for projects that will not increase the effective impervious cover within a given watershed, the permittee shall implement the additional stormwater treatment measures referenced in subsections (a) and (c) of this subsection, but will not be required to retain the appropriate portion of the water quality volume specified in such paragraphs.

(c) Other Development

The following performance standard applies to all sites that are currently undeveloped or are currently developed with less than forty percent effective impervious cover. For these sites, the permittee shall design the site to retain the water quality volume for the site. If there are site constraints that would prevent retention of this volume on-site (e.g., brownfields, capped landfills, bedrock, elevated groundwater, etc.), documentation must be submitted, for the commissioner's review and written approval, which: explains the site limitations; provides a description of the runoff reduction practices implemented; provides an explanation of why this constitutes the maximum extent achievable; offers an alternative retention volume; and provides a description of the measures used to provide additional stormwater treatment for sediment, floatables and nutrients above the alternate volume up to the water quality volume. In the case of linear projects that do not involve impervious surfaces (e.g. electrical transmission rights-of-way or natural gas pipelines), retention of the water quality volume is not required as long as the post-development runoff characteristics do not differ significantly from pre-development conditions.

(ii) Post-Construction Control Measures

(a) Runoff Reduction and Low Impact Development ("LID") Practices

The site design shall incorporate runoff reduction practices, low impact development ("LID") practices or other post-construction control measures to meet the performance standards in subsection (i) above, promote groundwater recharge and minimize post-construction impacts to water quality. Please refer to Appendix B for additional guidance information.

(b) Suspended Solids and Floatables Removal

The permittee shall install post-construction stormwater control measures designed to minimize the discharge of suspended solids and floatables (e.g. oil and grease, other floatable liquids, floatable solids, trash, etc.) from stormwater. A goal of 80 percent removal of the annual sediment load from the stormwater discharge shall be used in designing and installing such stormwater control measures. The Plan shall provide calculations supporting the capability of such measures in achieving this goal and any third-party verification, as applicable, of the sediment removal efficiencies of such measures. This goal is not intended to limit local approval authorities from requiring a higher standard pursuant to local requirements.

(c) Velocity Dissipation

Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow to receiving waters so that the natural physical and biological characteristics and functions of such waters are maintained and protected.

(D) Other Controls

The following additional controls shall be implemented:

(i) Waste Disposal

Best management practices shall be implemented to minimize the discharge of litter, debris, building materials, hardened concrete waste, or similar materials to waters of the State. A narrative of these practices shall be provided in the Plan. In addition, the dumping of liquid wastes in storm sewers is prohibited.

(ii) Washout Areas

Washout of applicators, containers, vehicles and equipment for concrete, paint and other materials shall be conducted in a designated washout area. There shall be no surface discharge of washout wastewaters from this area. Such washout shall be conducted: (1) outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource; or (2) in an entirely self-contained washout system. The permittee shall clearly flag off and designate areas to be used for washing and conduct such activities only in these areas. The permittee shall direct all washwater into a container or pit designed such that no overflows can occur during rainfall or after snowmelt. At least once per week, the permittee shall inspect all of the containers or pits used for washout to ensure structural integrity, adequate holding capacity, and to check for leaks or overflows. If there are signs of leaks, holes or overflows in the containers or pits that could lead to a discharge, the permittee shall repair them prior to further use.

For concrete washout areas, the permittee shall remove hardened concrete waste whenever the hardened concrete has accumulated to a height of ½ of the container or pit or as necessary to avoid overflows. The permittee shall remove and dispose of such hardened concrete waste in accordance with the practices developed for “Waste Disposal” (see Section 5(b)(2)(D)(i) of this general permit).

A narrative of maintenance procedures and a record of maintenance and inspections shall be included in the Plan.

(iii) Off-site Vehicle Tracking/Dust Suppression

Off-site vehicle tracking of sediments and the generation of dust shall be minimized. Wet dust suppression shall be used, in accordance with section 22a-174-18(c) of the Regulations of Connecticut State Agencies, for any construction activity that causes airborne particulates. The volume of water sprayed for controlling dust shall be minimized so as to prevent the runoff of water. No discharge of dust control water shall contain a visible oil sheen, floating solids, visible discoloration, or foaming agents or cause a visible sheen, floating solids, visible discoloration, or foaming in any receiving waters.

(iv) Cleaning

All post-construction stormwater structures shall be cleaned of construction sediment and any remaining silt fence shall be removed upon stabilization of the site.

(v) Storage of Chemical and Petroleum Products

All chemical and petroleum product containers stored on the site (excluding those contained within vehicles and equipment) shall be stored within an impermeable containment system that is free of gaps and cracks, can contain any leaks or spills and accumulated precipitation until the collected materials are detected and removed, and

which can hold at least 110% of the volume of the largest container, or 10% of the total volume of all containers in the area, whichever is larger, without overflow from the containment system. In addition, all chemicals and petroleum products shall be stored under a roofed area except for those chemicals stored in containers of 100 gallon capacity or more, in which case a roof is not required. Double-walled tanks satisfy the requirements of this paragraph for containment and roofing.

(vi) Cold Water Stream Habitat

For construction activities within one hundred (100) feet of any stream, river, or tributary that is included within a Cold Water Stream Habitat, as may be authorized by the Commissioner pursuant to Section 3(b)(15) of this general permit, any mitigation strategies authorized by the commissioner must be verified post-construction.

(3) Additional Control Measures for Impaired Waters

Construction activities discharging directly to impaired waters that do not comply with this subsection are not authorized by this general permit. For construction activities that discharge directly to impaired waters, as specified in “New Discharges to Impaired Waters” (Section 3(b)(13) of this general permit), the Plan shall include the following provisions:

- (A) In lieu of the provisions regarding “Construction Sequencing” in Section 5(b)(1)(B)(iii) of this general permit, no more than 3 acres may be disturbed at any one time. For those areas for which construction activity will be temporarily suspended for a period of greater than 14 days, temporary stabilization measures shall be implemented within 3 days of such suspension of activity. For all areas, permanent stabilization shall be implemented within 30 days of disturbance; *or*
- (B) The Plan shall document that measures are in place to ensure that there will be no discharge to the impaired water from rain events up to a 2-year, 24-hour rain event while construction activity is occurring; *or*
- (C) For discharges to impaired waters with an established TMDL, the requirements for stormwater discharges specified in the TMDL shall be met, or:
 - (i) the Plan shall document that there is sufficient remaining Waste Load Allocation (WLA) in the TMDL to allow the discharge;
 - (ii) measures shall be implemented to ensure the WLA will not be exceeded; *and*
 - (iii) stormwater discharges shall be monitored, if applicable, for any indicator pollutant identified in the TMDL for every rain event that produces a discharge to ensure compliance with the WLA.

(4) Inspections

All construction activities authorized by this general permit shall be inspected initially for Plan implementation and then weekly for routine inspections. Upon project completion and prior to submission of a Notice of Termination, post-construction and final stabilization inspections shall also be conducted. For inspections at solar arrays, see additional requirements in Appendix I.

(A) Plan Implementation Inspections

Prior to commencement of each phase of the construction activity on the site, the permittee shall contact the designing qualified professional and, for locally exempt projects including, but not limited to, solar arrays subject to Appendix I, the appropriate District to ensure that all required inspections are conducted. For each phase of construction, the site shall be inspected at least once within the first thirty (30) days of construction activity and at least three times, with seven (7) or more days between inspections, within the first ninety (90) days of construction activity to confirm compliance with the general permit and proper initial implementation of all control measures designated in the Plan for each phase of construction. The following conditions shall apply:

- (i) for all projects not conducted by a state agency and which disturb more than one (1) acre, the inspector shall be someone who:
 - (a) is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the registrant, and
 - (b) has no ownership interest of any kind in the project for which the registration is being submitted.
- (ii) for projects conducted by a state agency and which disturb more than one (1) acre, the inspector shall be someone who:
 - (a) meets the requirements in subparagraph (i), above, or
 - (b) is included in the list of qualified professionals specified in Section 3(b)(12)(B) of the general permit.

(B) Routine Inspections

The permittee shall routinely inspect the site for compliance with the general permit, including, but not limited to, compliance with the Plan for the site, until a Notice of Termination under Section 6 of the general permit has been submitted to the Commissioner. Inspection procedures for these routine inspections shall comply with the following:

- (i) The permittee shall maintain a rain gauge on-site to document rainfall amounts. At least once a week and within 24 hours of the end of a storm that generates a discharge, a qualified inspector (provided by the permittee), shall inspect, at a minimum, the following: disturbed areas of the construction activity that have not been finally stabilized; all erosion and sediment control measures; all structural control measures; all soil stockpile areas; all washout areas and locations where vehicles enter or exit the site. For storms that end on a weekend, holiday or other time after which normal working hours will not commence within 24 hours, a routine inspection is required within 24 hours only for storms that equal or exceed 0.5 inches. For storms of less than 0.5 inches, an inspection shall occur immediately upon the start of the subsequent normal working hours.

In areas of the site where temporary stabilization has been implemented, a routine inspection shall be conducted at least weekly until final stabilization has been achieved. Once all post-construction stormwater measures have been installed in accordance with the Post-Construction Stormwater Management section (subsection 5(b)(2)(C) of this general permit) and cleaned of any construction sediment or debris, a post-construction inspection shall be conducted in accordance with subsection (C), below. For sites that

have implemented final stabilization, a routine inspection shall be conducted in accordance with subsection (D), below.

- (ii) During each routine inspection the qualified inspector(s) shall, among other things, evaluate the effectiveness of erosion and sediment controls, structural controls, stabilization practices, and any other controls implemented to prevent pollution and determine if it is necessary to install, maintain, or repair such controls and/or practices to improve the quality of stormwater discharge(s). In addition, during each routine inspections the site including, but not limited to, all of the areas noted in the preceding paragraph, shall be inspected for evidence of, or the potential for, pollutants discharging to waters, or entering the drainage system and impacts to the receiving waters. Locations where vehicles enter or exit the site shall also be inspected for evidence of off-site sediment tracking.
- (iii) The qualified inspector conducting routine inspections shall prepare a report of each inspection. Each such report shall be retained as part of the Plan. A copy of each inspection report shall be submitted electronically in accordance with Section 5(c)(2) of the general permit. This report shall summarize: the scope of the inspection; name(s) and qualifications of personnel conducting the inspection; the date(s) of the inspection; weather conditions including precipitation information; major observations relating to erosion and sediment controls and the implementation of the Plan; a description of the stormwater discharge(s) from the site; and any water quality monitoring performed during the inspection. The report shall be signed by the permittee or his/her authorized representative in accordance with the "Certification of Documents," see Section 5(h) of this general permit.

The report shall include a statement that, in the judgment of the qualified inspector(s) conducting the site inspection, the site is either in compliance or out of compliance with the terms and conditions of the Plan and permit. If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the remedial actions required to bring the site back into compliance. Non-engineered corrective actions (as identified in the Guidelines) shall be implemented on site within 24 hours and incorporated into a revised Plan within three (3) calendar days of the date of inspection unless another schedule is specified in the Guidelines. Engineered corrective actions (as identified in the Guidelines) shall be implemented on site within seven (7) calendar days and incorporated into a revised Plan within ten (10) calendar days of the date of inspection, unless another schedule is specified in the Guidelines or is approved by the commissioner. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures shall be implemented to minimize the potential for the discharge of pollutants from the site.

- (iv) Inspectors from the DEEP and the appropriate District, where applicable, may inspect the site to verify compliance with this general permit at any time construction activities are ongoing, and upon completion of construction activities, until a Notice of Termination has been accepted by the Commissioner pursuant to Section 6 of the general permit.

(C) Post-Construction Inspection

- (i) For locally approvable projects, once all post-construction stormwater measures have been installed in accordance with Section 5(b)(2)(C) of the general permit, Post-Construction Stormwater Management, and cleaned of any construction sediment or debris, the Permittee shall ensure that the appropriate Conservation District or a qualified soil erosion and sediment control professional or a qualified professional

engineer, as appropriate, inspects the site to confirm compliance with the post-construction stormwater management requirements. The permittee shall ensure that the person inspecting the site pursuant to this paragraph is not an employee, as defined by the Internal Revenue Service in the Internal Revenue Code of 1986, of the Permittee and that such person has no ownership interest of any kind in the project for which the site's registration was submitted. A report shall be prepared and certified in accordance with Sections 6(a) and (b) of the general permit to indicate compliance with this requirement on the Notice of Termination form.

- (ii) For locally exempt projects except those conducted by state agencies, once all post-construction stormwater measures have been installed in accordance with the Section 5(b)(2)(C) of the general permit, "Post-Construction Stormwater Management", and cleaned of any construction sediment or debris, the permittee shall ensure that a qualified soil erosion and sediment control professional or a qualified professional engineer inspects the site to confirm compliance with the post-construction stormwater management requirements of the general permit. A report shall be prepared and certified in accordance with Sections 6(a) and (b) of the general permit to indicate compliance with this requirement on the Notice of Termination form.
- (iii) For projects conducted by state agencies, once all post-construction stormwater measures have been installed in accordance with the Post-Construction Stormwater Management section (subsection 5(b)(2)(C)) and cleaned of any construction sediment or debris, the DOT District Engineer or his/her designee and/or DOT District Environmental Coordinator, or the designated employee of another state agency, will inspect the site to confirm compliance with the post-construction stormwater management requirements of the general permit.

(D) Final Stabilization Inspection

For all projects, once the site has achieved final stabilization for at least one full growing season (April – October) in the year following the end of construction, the Permittee shall have the site inspected by a qualified inspector to confirm such stabilization is maintained. The Permittee shall indicate compliance with this requirement on the Notice of Termination form.

(5) Keeping Plans Current

The Permittee is responsible for keeping their Plan in compliance with this general permit at all times. This may involve any or all of the following:

- (A) The permittee shall amend the Plan if the actions required by the Plan fail to prevent pollution or unauthorized discharges to the waters of the state, or fail to comply with any other provision of this general permit. The Plan shall also be amended whenever there is an addition of or change in contractors or subcontractors at the site, the designing qualified professional, District personnel, or a change in design, construction, operation, or maintenance at the site which has not otherwise been addressed in the Plan.

The permittee shall submit a new registration to the commissioner in accordance with Section 4 of this general permit if the amount of disturbed area increases from the amount specified in the registration approved by the Commissioner or there are changes to engineered or non-engineered construction or post-construction control measures that have the potential to increase the quantity or quantity of pollution in the site's stormwater discharges. Such new registration shall be submitted before any such increases or changes are implemented.

- (B) The commissioner may notify the permittee at any time that the Plan or the site does not meet one or more requirements of this general permit. Within seven (7) days of such notice, or such other time as the commissioner may allow, the permittee shall make the required changes to the Plan and perform all actions required by such revised Plan. Within 15 days of such notice, or such other time as the commissioner may allow, the permittee shall submit to the commissioner a written certification that the requested changes have been made and implemented and such other information as the commissioner requires. Any such certification or information shall be submitted in accordance with the ‘Duty to Provide Information’ and ‘Certification of Documents,’ Sections 5(g) and 5(h) of this general permit.
- (C) For any stormwater discharges authorized under any previous version of this general permit, the Permittee shall, excluding any provisions for which an exemption is provided for in Section 4(c)(3)(C) of the general permit, update their Plan prior to their re-registration pursuant to Section 4(c)(3) of the general permit, and in no case later than one hundred twenty (120) days after the effective date of this general permit to ensure and maintain compliance with any applicable term and condition of this general permit. For previously authorized sites discharging to impaired waters or other sensitive areas, the commissioner may require additional control measures or provide authorization under an individual permit pursuant to Sections 4(i) and 3(i).
- (D) The Permittee shall ensure that any person keeping this Plan or part thereof current, under the Keeping Plans Current section of this permit, has qualifications that would be required under this general permit to initially prepare the Plan or part thereof.
- (E) The permittee shall retain as part of the Plan all modifications, and any documentation associated with each modification, made under this section.

(6) Failure to Prepare, Maintain or Update Plan

In no event shall failure to complete, maintain or update a Plan, in accordance with the ‘Development of Contents of the Plan’ and ‘Keeping Plans Current’ sections (subsections 5(b)(1) and 5(b)(5)) of this general permit, excuse non-compliance or relieve a permittee of responsibility to implement any actions required to protect the waters of the state or comply with the requirements of this permit.

(7) Plan Signature

The Plan shall be signed and certified as follows:

- (A) The Plan shall be signed by the permittee in accordance with the Section 5(h) of this general permit, ‘Certification of Documents’.
- (B) The Plan shall include certification by all contractors and subcontractors in accordance with Section 5(b)(1)(B)(vii) of this general permit, ‘Contractors’.
- (C) The Plan shall include a copy of the certification by a professional engineer or landscape architect made in accordance with Section 3(b)(9) of this general permit.

(8) Plan Review Certification

For a locally approvable project pursuant to Section 4(c) of this general permit, a copy of the Plan review certification made in accordance with Section 3(b)(10) or (11) of this general permit, as

applicable, shall be maintained with the Plan. (Note: Construction activities reviewed and certified pursuant to those sections are still subject to the local erosion and sediment control and stormwater management regulations of the municipality in which the activity is conducted.)

(9) Plan Submittal

The Permittee shall ensure that the Plan is submitted to the commissioner and other parties as follows:

- (A) For all Locally Exempt Projects with greater than one acre of soil disturbance, the Permittee shall submit an electronic copy of the Plan and a completed Registration Form to the commissioner.
- (B) For Locally Approvable projects, the permittee shall provide an electronic copy of the Plan and a completed Registration Form to the commissioner. In addition, a completed Registration Form for this general permit shall be submitted to the following persons immediately upon request:
 - (i) The municipal planning commission, zoning commission and/or inland wetlands agency, or its respective enforcement officer or designated agent; and
 - (ii) In the case of a stormwater discharge through a municipal separate storm sewer system, the municipal operator of the system; and
 - (iii) In the case of a stormwater discharge located within a public drinking water supply watershed or aquifer area, the water company responsible for that water supply.

DO NOT SUBMIT any information that does not pertain to stormwater management or erosion and sediment control (such as electrical and lighting plans, boundary or lot surveys, building plans, non-stormwater related detail sheets, etc.). Any plans stamped “not for construction” will not be accepted.

(c) *Reporting and Record Keeping Requirements*

(1) Record Keeping

- (A) For a period of at least five years from the date the Notice of Termination is accepted by the Commissioner, the permittee shall retain copies of the Plan and all reports required by this general permit, and records of all data used to complete the registration for this general permit, unless the commissioner specifies another time period in writing.
- (B) The permittee shall retain an updated copy of the Plan required by this general permit at the construction site from the date construction is initiated at the site until the date construction at the site is completed.
- (C) Inspection records must be retained as part of the Plan for a period of five (5) years after the date of inspection. In addition, the following inspection reports shall be kept on-site with the Plan and shall be submitted to the Commissioner upon request:
 - (i) Plan Implementation Inspections conducted in accordance with Section 5(b)(4)(A) and recorded on checklist forms prepared pursuant to Section 5(b)(1)(B)(vi)(a).
 - (ii) Routine Inspections conducted in accordance with Section 5(b)(4)(B) and recorded on checklist forms prepared pursuant to Section 5(b)(1)(B)(vi)(b).

(D) Plan Modification

Plan modifications made pursuant to Section 5(b)(5) of this general permit and any documentation associated with such modification shall be kept on-site with the Plan.

(2) Reporting

(A) The reports specified in this section shall be provided to the Commissioner within the timeframe specified in any request by the Commissioner, and if no timeframe is specified, no later than thirty (30) days after the date of any such request. If requested by the Commissioner, the reports shall be submitted to the Commissioner using NetDMR in the manner specified in subsection (B), below.

(B) NetDMR Reporting

The permittee shall submit all reporting of inspections, Plan updates or other reporting electronically using NetDMR, a web-based tool that allows Permittees to electronically submit stormwater reports through a secure internet connection. Unless otherwise approved in writing by the commissioner, no later than thirty (30) days after authorization under this permit the Permittee shall begin reporting electronically using NetDMR. Specific requirements regarding subscription to NetDMR and submittal of data and reports in hard copy form and for submittal using NetDMR are described below:

(i) Submittal of NetDMR Subscriber Agreement

At or before the time the Permittee submits a registration for this permit, the Permittee and/or the person authorized to sign the Permittee's reports ("Signatory Authority") as described in RCSA Section 22a-430-3(b)(2) shall contact the Department at deep_netdmr@ct.gov and initiate the NetDMR subscription process for electronic submission of Stormwater Report information. Information on NetDMR is available on the Department's website at www.ct.gov/deep/netdmr. On or before the date of authorization under this permit the Permittee shall submit a signed and notarized copy of the *Connecticut DEEP NetDMR Subscriber Agreement* to the Department.

(ii) Submittal of Reports and other documents Using NetDMR

Unless otherwise approved by the commissioner, on or before thirty (30) days following authorization under this permit, the Permittee and/or the Signatory Authority shall electronically submit reports and any other documents required under this permit or by request of the Commissioner to the Department using NetDMR in satisfaction of the requirements of Section 5(c)(2)(A) of this permit.

Reports shall be submitted electronically to the Department no later than fifteen (15) days following the completed reporting period. NetDMR is accessed from: <http://www.epa.gov/netdmr>.

(iii) Submittal of NetDMR Opt-Out Requests

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting reports, the commissioner may approve an alternative for the submission of reports. Any such request shall be submitted in writing to the Department for written approval on or before the Permittee's date of permit authorization. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and

shall thereupon expire. At such time, reports shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed request for an alternative and such request is approved by the Department.

All requests under this provision and requests for the NetDMR subscriber form should be sent to the following address or by email at deep.netdmr@ct.gov:

Attn: NetDMR Coordinator
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

(d) Regulations of Connecticut State Agencies Incorporated into this General Permit

The permittee shall comply with sections 22a-430-3 and 22a-430-4 of the Regulations of Connecticut State Agencies which are hereby incorporated into this general permit, as if fully set forth herein.

(e) Reliance on Registration

In evaluating a registration submitted under this general permit, the commissioner has relied on information provided by the registrant. If such information proves to be false or incomplete, any authorization reliant on such information may be suspended or revoked in accordance with law, and the commissioner may take any other action authorized by law.

(f) Duty to Correct and Report Violations

Upon learning of any violation of this general permit, including, but not limited to, any failure to follow the Plan or any adverse impacts on wetlands or waters a permittee shall immediately cease all construction activities and take all reasonable action to determine the cause of such violation, return to compliance, correct and mitigate the results of such violation, and prevent such violation from recurring. Construction activities shall not recommence until such reasonable action(s) have been taken and such violation and/or adverse impacts have been corrected and compliance has been restored. The permittee shall ensure that any violations of the terms and conditions of the general permit, including but not limited to, the Plan, identified during an inspection or at any other time, that result in the potential to discharge pollutants to waters of the state are reported to the commissioner within two (2) hours of discovery, or, for those violations discovered outside normal business hours, at the start of the next business day. Violations shall be reported to the DEEP stormwater staff at deep.stormwaterstaff@ct.gov and by calling (860) 424-3025. Furthermore, within five (5) days of discovery of a violation, the Permittee shall prepare and submit to the commissioner a written report signed by the Permittee, which documents the cause of the violation, duration including dates and times, and corrective action taken to address the violation and any action taken or planned to prevent future occurrences. Such information shall be filed in accordance with Section 5(h) of this general permit, "Certification of Documents".

In addition, nothing in this section shall affect any other action the commissioner is authorized to take regarding a violation of this general permit.

(g) Duty to Provide Information

The commissioner may request any information pertinent to the construction activity or concerning the Permittee's compliance with this general permit. If requested, the permittee shall provide any such information within fifteen (15) days of such request or other time period as may be specified in writing by the commissioner.

(h) Certification of Documents

Unless otherwise specified in this general permit, any document, including but not limited to any notice, information or report, which is submitted to the commissioner under this general permit shall be signed by the permittee, or a duly authorized representative of the permittee, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.”

(i) Date of Filing

For purposes of this general permit, the date of filing with the commissioner of any document is the date such document is received by the commissioner. The word "day" as used in this general permit means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

(j) False Statements

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes.

(k) Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any information submitted pursuant to this general permit, or becomes aware that any such information is inaccurate or misleading or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the commissioner. Such information shall be filed in accordance with the certification requirements prescribed in Section 5(h) of this general permit.

(l) Transfer of Authorization

Any authorization issued by the commissioner under this general permit is transferable only in accordance with the provisions of section 22a-6o of the General Statutes. Any person or municipality proposing to transfer any such authorization shall submit a license transfer form to the commissioner. For state projects, the Permittee must be contractually authorized to conduct the transfer. The transferee is not authorized to conduct any activities under this general permit until the transfer is approved by the commissioner. The transferee may adopt by reference the Plan developed by the transferor. The transferee shall update the Plan as required by Section 5(b)(5) of this general permit, “Keeping Plans Current”.

(m) Other Applicable Requirements

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local requirements, including but not limited to the obligation to obtain any other required authorizations or licenses.

(n) Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or construction activity affected by such general permit. In conducting any construction activity authorized hereunder, the permittee shall not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

Section 6. Termination Requirements

(a) Notice of Termination

At the completion of a construction project the Permittee shall submit a Notice of Termination in accordance with the requirements of this section. A project shall be considered complete after all post-construction measures are installed, cleaned, functioning, and inspected and the site has achieved final stabilization and inspection (see Sections 5(b)(4)(C) & (D) of the general permit, respectively) for at least one full growing season (i.e. April through October) in the year following the cessation of construction activities. Final stabilization must be achieved for all phases of construction, and for solar projects, any additional requirements in Appendix I complied with, before a Notice of Termination may be submitted.

(b) Termination Form

A Notice of Termination shall be filed on forms prescribed and provided by the commissioner and shall include the following:

- (1) The permit number as provided to the permittee on the permit certificate;
- (2) The name of the registrant as reported on the general permit registration form (DEEP-PED-REG-015), or if a license transfer has been approved by the commissioner, the name of the permittee on a license transfer form;
- (3) The address of the completed construction site;
- (4) The dates when:
 - (A) Construction was completed;
 - (B) All storm drainage structures were cleaned of construction debris pursuant to the “Other Controls” section (subsection 5(b)(2)(D)) of this general permit;
 - (C) The post-construction inspection was conducted pursuant to Section 5(b)(4)(C);
 - (D) The final stabilization inspection was conducted pursuant to Section 5(b)(4)(D).
- (5) A description of the post-construction activities at the site; and

- (6) Signatures of:
- (A) The permittee; and
 - (B) The person who conducted the post-construction inspection pursuant to Section 5(b)(4)(C) of the general permit.
 - (C) The person who conducted the final stabilization inspection pursuant to Section 5(b)(4)(D) of the general permit.

(c) ***Where to File a Termination Form***

A termination form shall be filed with the commissioner at the following address:

WATER PERMITTING AND ENFORCEMENT DIVISION/STORMWATER GROUP
BUREAU OF MATERIALS MANAGEMENT & COMPLIANCE ASSURANCE
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Section 7. Commissioner's Powers

(a) ***Abatement of Violations***

The commissioner may take any action provided by law to abate a violation of this general permit, including but not limited to penalties of up to \$25,000 per violation per day under Chapter 446k of the Connecticut General Statutes, for such violation. The commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a permittee's authorization hereunder in accordance with sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) ***General Permit Revocation, Suspension, or Modification***

The commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

(c) ***Filing of an Individual Permit Application***

If the commissioner notifies a permittee in writing that such permittee must obtain an individual permit, the permittee shall file an application for an individual permit within thirty (30) days of receiving the commissioner's notice or such other time that the commissioner specified in the notice to the permittee. While such application is pending before the commissioner, the permittee shall continue to comply with the terms and conditions of this general permit. Nothing herein shall affect the commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued: November 25, 2022



for Katherine S. Dyke
Commissioner

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

APPENDIX A

Endangered and Threatened Species

In order to be eligible for coverage under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (“GP” or “the GP”), under section 3(b)(2) of the GP, a registrant must ensure that the construction activity, as defined in Section 2 of the GP, does not threaten the continued existence of any state or federal species listed as endangered or threatened (“listed species”) or result in the destruction or adverse modification of any habitat associated with such species.

In order to prevent significant, unforeseen delays in the processing of a registration under the GP, registrants should assess compliance with section 3(b)(2) early in the planning stages of a project. The Department of Energy and Environmental Protection (“the Department”) strongly recommends that this assessment *be initiated up to one year, or more*, prior to the projected construction initiation date, and even before the purchase of the site of the construction activity. At a minimum, registrants must assess compliance with section 3(b)(2) prior to submission of the Registration Form for the GP.

This Appendix describes the ways that a registrant can comply with section 3(b)(2) of the GP. In connection with the filing of a registration a registrant can perform a self-assessment described in Section 1, seek a limited two-year determination or a safe harbor determination from the Department’s Wildlife Division under Sections 2 or 3, respectively, or stipulate in writing to the presence of listed species or any habitat associated with such species and develop a mitigation plan pursuant to Section 5 of this Appendix. While some means of compliance are more limited than others, the options set out in this Appendix are not mutually exclusive and all options remain available to a registrant. For example, a registrant may perform a self-assessment under Section 1 and seek a safe harbor determination under Section 3 of this Appendix. Provided the requirements of this Appendix are met, the choice of how to proceed is the registrant’s.

Section 1. Self Assessment through Natural Diversity Database Map Review and Screening

Before submission of a registration for coverage under this GP, a registrant must review the current versions of the Department’s Natural Diversity Data Base (“NDDB”) maps. Except as provided for in Sections 2, 3 or 5 of this Appendix, such review must occur no more than six months before such submission. Such review provides a method for screening whether the Department is already aware of listed species that may be present on the site of the construction activity. These maps can be viewed online at:

[CT DEEP Natural Diversity Data Base Maps](#)
[CTECO Webpage](#) (in the interactive Map Viewer)

Screening

The site of the construction activity must be compared to the shaded areas depicted on the NDDB map to determine if the site is entirely or partially within a shaded area. If the site is entirely or partially within a shaded area for a listed species a registrant can only achieve compliance with section 3(b)(2) of the GP by obtaining a limited two-year determination under Section 2, a safe harbor determination under Section 3, or an approved mitigation plan under Section 5 of this Appendix from the Department’s Wildlife Division.

If the site of the construction activity is not entirely or partially within a shaded area, then the Department is not aware of any listed species at the site of the construction activity. Based upon this screening, and provided the registrant has no reasonably available verifiable, scientific or other credible information that the construction activity could reasonably be expected to violate section 3(b)(2) of the GP, when completing the Registration Form for this GP a registrant may check the box that indicates that the construction activity will not impact federal or state listed species.

A registrant using only self-assessment under this section may utilize the results of any such self-assessment for up to, but no more than, six months from the date of such assessment. Note, however, that the NDDDB maps are not the result of comprehensive state-wide field investigations, but rather serve as a screening tool. Using such maps as a screening tool does not provide a registrant with an assurance that listed species or their associated habitat may not be encountered at the site of the construction activity. Notwithstanding the NDDDB screening results, if a listed species is encountered at the site of the construction activity, the registrant shall promptly contact the Department and may need to take additional action to ensure that the registrant does not violate section 3(b)(2) of the GP.

Section 2. Obtaining a Limited Two-Year Determination

A registrant may seek a written determination from the Department's Wildlife Division, good for two years, that the proposed construction activity complies with section 3(b)(2) of the GP. To obtain this limited two-year determination, a registrant must, in addition to conducting the NDDDB map review in Section 1 of this Appendix, provide the Department's Wildlife Division with (1) any reasonably available verifiable, scientific or other credible information about whether the construction activity could reasonably be expected to result in a violation of section 3(b)(2) of the GP, and (2) limited information about the site of the proposed construction activity, but less information than would be necessary for a safe harbor determination under Section 3 of this Appendix. The limited information necessary for a two-year determination is on the current "Request for Natural Diversity Database (NDDDB) State Listed Species Review" form on the Department's website. The form and instructions for seeking such a limited two-year determination are available at www.ct.gov/DEEP/nddbrequest.

Provided the registrant's information is accurate and the Department's Wildlife Division determines that the construction activity will not violate section 3(b)(2) of the GP, the registrant shall receive a limited two-year determination from the Department. Any such determination may indicate that the construction activity will not impact listed species or their associated habitat, or it may include specific conditions to be implemented to avoid or significantly minimize any impacts that may be encountered at the site of the construction activity. For purposes of submitting a registration for the GP, any such limited two-year determination can be relied upon by the person receiving such determination for two years from the date of such determination. Like, however, the NDDDB screening procedure in Section 1 of this Appendix, a limited two-year determination does not provide a registrant with an assurance that listed species or their associated habitat may not be encountered at the site of the construction activity. If a listed species is encountered, the registrant shall promptly contact the Department and may need to take additional action to ensure that the construction activity does not violate section 3(b)(2) of the GP.

If a registrant receives a limited two-year determination from the Department, the registrant should check the limited two-year determination box on the GP registration form and include the Department's two-year limited determination letter with the GP Registration form. Checking the limited two-year determination box on the registration form and failing to provide the determination letter from the Department's Wildlife Division with the GP Registration form will delay and may prevent processing of a registration.

If based upon the information provided by a registrant seeking a limited two-year determination the Department's Wildlife Division determines that the construction activity could impact listed species or their associated habitat, or that the Department needs additional information to make a limited two-year determination, the registrant may still achieve compliance with section 3(b)(2) of the GP through providing additional information pursuant to Section 4 or developing a mitigation plan pursuant to Section 5 of this Appendix.

A registrant may request one or more one-year extensions to a limited two-year determination under this section. If the Department's Wildlife Division has prescribed a form for requesting an extension, any such request shall be made using the prescribed form. There is a presumption that requests for a one-year extension of a limited two-year determination shall be granted. However, this presumption can be rebutted if the Department determines that a change in any of the following has occurred since an initial limited two-year determination or any extension was granted: the construction activity affecting or potentially affecting listed species or their associated habitat; the NDDDB maps for the site of the construction activity; the limited information upon which a limited two-year determination or any extension was granted; or other information indicative of a change in circumstance affecting listed species or their associated habitat. Any one-year extension granted under this paragraph shall run from the date the Department's Wildlife Division issues its determination to grant an extension and shall be treated under the same conditions as a limited two-year determination as provided for in this section. Any letter granting a one-year extension shall be included with a registration along with the original limited two-year determination as provided for in this section.

Section 3. Obtaining a Safe Harbor Determination

A registrant may seek a written determination from the Department's Wildlife Division, good for three years, with the potential to be extended for an additional year, that proposed construction activity complies with section 3(b)(2) of the GP. Any such determination shall constitute a "safe harbor" for purposes of section 3(b)(2) of the GP.

To obtain a safe harbor determination, a registrant must, in addition to conducting the NDDDB review in section 1 of this Appendix, provide the Department's Wildlife Division with any reasonably available verifiable, scientific or other credible information about whether the construction activity could reasonably be expected to result in a violation of section 3(b)(2) of the GP and specific information about the site of the construction activity. The specific information necessary for a safe harbor determination is listed in Attachment A to this Appendix. This information must be sufficient to allow the Wildlife Division to adequately assess the site for potential risks to listed species and their associated habitat. While the Department recognizes certain information is necessary to make a safe harbor determination, it also recognizes that a registrant may need to obtain a safe harbor determination early in its project's approval process in order to make prudent business decisions about purchasing a site or proceeding to final project designs. The form and instructions for seeking a safe harbor determination are available at www.ct.gov/DEEP/nddbrequest.

Provided the registrant's information is accurate and the Department's Wildlife Division determines that the construction activity will not violate section 3(b)(2) of the GP, the registrant shall receive a safe harbor determination from the Department. A safe harbor determination may indicate that the construction activity will not impact listed species or their associated habitat, or it may include specific conditions to be implemented to avoid or significantly minimize any impacts that may be encountered at the site of the construction activity. The Department shall honor the safe harbor determination for three years from the date it is issued, meaning that unlike the NDDDB review in Section 1 or the limited two-year determination in Section 2 of this Appendix, if the Department makes a safe harbor determination and a registrant remains in compliance with any conditions in any such determination, irrespective of what may be found at the site of the construction activity, a registrant shall be considered in compliance with section 3(b)(2) of the GP. However, a safe harbor determination shall

not be effective if a construction activity may threaten the continued existence of any federally listed species or its critical habitat under federal law. If a federally listed species or its critical habitat is encountered on the site of the construction activity, the registrant shall promptly contact the Department and may need to take additional action to ensure that the construction activity does not violate federal law or section 3(b)(2) of the GP.

If a registrant receives a safe harbor determination from the Department, the registrant should check the safe harbor determination box on the GP registration form and include the Department's safe harbor determination with the GP Registration form. Checking the safe harbor box on the registration form and failing to provide the safe harbor determination letter from the Department's Wildlife Division with the GP Registration form will delay and may prevent processing of a registration.

If based upon the information provided by a registrant seeking a safe harbor determination the Department's Wildlife Division determines that the construction activity could impact listed species or their associated habitat, or that the Department needs additional information to make a safe harbor determination, the registrant may still achieve compliance with section 3(b)(2) of the GP through providing additional information pursuant to Section 4 or developing a mitigation plan pursuant to Section 5 of this Appendix.

If a registrant receives a safe harbor determination from the Department's Wildlife Division, anytime during the third year of such safe harbor, a registrant may request a one-year extension of that safe harbor. If the Department's Wildlife Division has prescribed a form for requesting an extension, any such request shall be made using the prescribed form. There is a presumption that a request for a one-year extension of a safe harbor shall be granted. However, this presumption can be rebutted if the Department determines that a change in any of the following has occurred since the safe harbor was granted: the construction activity affecting or potentially affecting listed species or their associated habitat; the NDDDB maps for the site of the construction activity; the information upon which the safe harbor was granted; or other information indicative of a change in circumstance affecting listed species or their associated habitat. A registrant may seek only one extension, for one year, to a safe harbor determination. Any one-year extension granted under this paragraph shall run from the date of the Department's Wildlife Division issues its determination to grant an extension and shall be honored by the Department in the same manner as a safe harbor determination noted above. Any letter granting a one-year extension shall be included with a registration along with the original safe harbor determination as provided for in this section.

Section 4. Providing Additional Information

For the Department's Wildlife Division to make a limited two-year determination under Section 2 or a safe harbor determination under section 3 of this Appendix, limited additional information may be required to determine if the construction activity would impact listed species or their associated habitat. If the species in question is a state listed endangered or threatened species under section 26-306 of the general statutes, a registrant shall, in consultation with the Department's Wildlife Division, provide the limited additional information requested by the Department's Wildlife Division. Such information may include, but is not limited to, a survey of specific listed species in question. If the species in question is a federally listed threatened or endangered species, in addition to the Department's Wildlife Division, a registrant shall also consult with the U.S. Fish and Wildlife Service and shall provide any additional information requested by that agency. A registrant that initially sought or obtained a limited two-year determination may, after providing the additional information required under this section request a safe harbor determination under Section 3 of this Appendix.

At any time, as an alternative to proceeding under Section 2, 3 or 4 of this Appendix, a registrant may stipulate, in writing, to the presence of one or more listed species or their associated habitat. A registrant choosing this alternative shall proceed to develop a mitigation plan under Section 5 of this Appendix.

If based upon any additional information provided to the Department's Wildlife Division, and as applicable, the U.S. Fish & Wildlife Service, the Department's Wildlife division determines that construction activity will be in compliance with section 3(b)(2) of the GP, a registrant shall receive a limited two-year determination under Section 2 or a safe harbor determination under Section 3 of this Appendix, as applicable.

If the Department's Wildlife Division determines that additional information is necessary to determine if the construction activity has the potential to impact listed species or their associated habitat, and a registrant chooses to not provide such information, a registrant shall proceed with the self-assessment through an NDDB review under Section 1 of this Appendix, or stipulate to the existence of a listed species or associated habitat and develop a mitigation plan under Section 5 or such registrant shall not be eligible to register under the GP.

Section 5. Developing a Mitigation Plan

The Department's Wildlife Division may determine that the construction activity has the potential to adversely impact listed species or their associated habitat. However, it may be possible to modify the construction activity or undertake certain on-site measures to avoid or significantly minimize such impacts. If the species or associated habitat in question is a state listed endangered or threatened species under section 26-306 of the general statutes, a registrant shall consult with the Department's Wildlife Division to determine if an acceptable mitigation plan can be developed so impacts can be avoided or minimized such that a registrant remains in compliance with section 3(b)(2). If the species in question is a federally listed threatened or endangered species, any such consultation shall also include the U.S. Fish and Wildlife Service.

If a registrant in consultation with the Department's Wildlife Division, and as applicable, the U.S. Fish & Wildlife Service, develops a mitigation plan that is approved by the Department's Wildlife Division, or as applicable, the U.S. Fish & Wildlife Service, the registrant shall receive a limited two-year determination under Section 2 or a safe harbor determination under Section 3 of this Appendix. In this situation, in addition to checking the two-year determination box or the safe harbor determination box, as applicable, on the registration form, the registrant shall also check the box on the registration form indicating that it has an approved mitigation plan and provide a status update on the registration form as to whether it has completed or is still in the process of implementing the approved mitigation plan.

If an approved mitigation plan has not been fully implemented by the time a registration is submitted, completing all remaining tasks in the plan shall become an enforceable condition of any registration issued to the registrant.

If the Department determines that the construction activity has the potential to adversely impact listed species or their associated habitat and the registrant and the Department, and as applicable, the U.S. Fish & Wildlife Service, are not able to agree on an acceptable mitigation plan that is approved by the Department, and as applicable, the U.S. Fish & Wildlife Service, any such registrant shall not be eligible to register under the GP.

APPENDIX A
ATTACHMENT A

Specific Information Needed to Apply for a Safe Harbor Determination

A Safe Harbor Determination will be made upon the submission of a detailed report that fully addresses the matters noted below. For the Department's Wildlife Division to make a safe harbor determination, the report should synthesize and analyze this information, not simply compile information. Those providing synthesis and analysis need appropriate qualifications and experience. A request for a safe harbor determination shall include:

1) Habitat Information, including GIS mapping overlays, identifying:

- wetlands, including wetland cover types;
- plant community types;
- topography;
- soils;
- bedrock geology;
- floodplains, if any;
- land use history; and
- water quality classifications/criteria.

2) Photographs - The report should also include photographs of the site, including all reasonably available aerial or satellite photographs and an analysis of such photographs.

3) Inspection - The report should include a visual inspection(s) of the site, preferably when the ground is visible. This inspection can also be helpful in confirming or further evaluating the items noted above.

4) Biological Surveys - The report should include all biological surveys of the site where construction activity will take place that are reasonably available to a registrant. A registrant shall notify the Department's Wildlife Division of biological studies of the site where construction activity will take place that a registrant is aware of but are not reasonably available to the registrant.

5) Based on items #1 through 4 above, the report shall include a Natural Resources Inventory of the site of the construction activity. This inventory should also include a review of reasonably available scientific literature and any recommendations for minimizing adverse impacts from the proposed construction activity on listed species or their associated habitat.

6) In addition, to the extent the following is available at the time a safe harbor determination is requested, a request for a safe harbor determination shall include and assess:

- Information on Site Disturbance Estimates/Site Alteration information
- Vehicular Use
- Construction Activity Phasing Schedules, if any; and
- Alternation of Drainage Patterns

APPENDIX B

Connecticut Department of Energy & Environmental Protection Inland Water Resources Division Fact Sheet Considering Low Impact Development Principles in Site Design

In order to reduce the impact of development and address stormwater quality issues, the Department requires the use of Low Impact Development (LID) measures in accordance with Sections 5(b)(2)(C)(i) and (ii) of the general permit. LID is a site design strategy intended to maintain or replicate predevelopment hydrology through the use of small-scale controls, integrated throughout the site, to manage stormwater runoff as close to its source as possible. Infiltration of stormwater through LID helps to remove sediments, nutrients, heavy metals, and other types of pollutants from runoff.

Key Strategies for LID

Key strategies for effective LID include: infiltrating, filtering, and storing as much stormwater as feasible, managing stormwater close to where the rain/snow falls, managing stormwater at multiple locations throughout the landscape, conserving and restoring natural vegetation and soils, preserving open space and minimizing land disturbance, designing the site to minimize impervious surfaces, and providing for maintenance and education. Water quality and quantity benefits are maximized when multiple techniques are grouped together. In areas of compacted and/or possibly contaminated soils, soil suitability should be further investigated prior to selecting optimum treatment and/or remediation measures. Where soil conditions permit, the DEEP encourages the utilization of one, or a combination of, the following measures:

- the use of pervious pavement or grid pavers (which are very compatible for parking lot and fire lane applications), or impervious pavement without curbs or with notched curbs to direct runoff to properly designed and installed infiltration areas;
- the use of vegetated swales, tree box filters, and/or infiltration islands to infiltrate and treat stormwater runoff (from building roofs, roads, and parking lots);
- the minimization of access road widths and parking lot areas to the maximum extent possible to reduce the area of impervious surface;
- the use of dry wells to manage runoff from building roofs;
- incorporation of proper physical barriers or operational procedures for special activity areas where pollutants could potentially be released (e.g. loading docks, maintenance and service areas, dumpsters, etc.);
- the installation of rainwater harvesting systems to capture stormwater from building roofs for the purpose of reuse for irrigation (i.e. - rain barrels for residential use and cisterns for larger developments);
- the use of residential rain gardens to manage runoff from roofs and driveways;
- the use of vegetated roofs (green roofs) to detain, absorb, and reduce the volume of roof runoff; and
- providing for pollution prevention measures to reduce the introduction of pollutants to the environment.

The [2004 Stormwater Quality Manual LID Appendix](#) and the [2002 Erosion and Sediment Control Guidelines LID Appendix](#) both provide guidance on implementing LID measures. A guide to LID resources can also be found in the [DEEP Low Impact Development Resources Factsheet](#) (PDF).

LID in Urban Areas

If the proposed site is located in a highly urbanized area, it is likely underlain by urban land complex soils. The Natural Resources Conservation Service (NRCS) Soil Web Survey (<http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>) provides information on soil textures, parent materials, slopes, height of seasonal high water table, depth to restrictive layer, and permeability. In highly developed areas, infiltration may be limited due to the high percentage of impervious cover. However, infiltration practices may be suitable at urban sites depending on:

- Potential contamination of soils in historically industrialized areas. The siting of areas for infiltration must consider any existing soil or groundwater contamination.

- Site specific soil conditions. NRCS mapping consists of a minimum 3 acres map unit and soils may vary substantially within each mapping unit. Test pits should be dug in areas planned for infiltration practices to verify soil suitability and/or limitations.
- Investigation of areas of compacted soils and the utilization of proper construction staging. Planning should insure that areas to be used for infiltration are not compacted during the construction process by vehicles or machinery.

Even if infiltration is limited at a site, it is still possible to implement LID practices. Specifically, potential exists for the installation of green roofs on buildings and/or the use of cisterns to capture and reuse rainwater.

LID in Areas with a High Seasonal Water Table or Hardpan Layer

- The impact of stormwater runoff to any streams and/or wetlands near the site should be considered. Water quality treatment is influenced by hydraulic conductivity and time of travel. If stormwater infiltration is limited by an impermeable layer close to the surface, the water may run laterally through the ground and discharge to the stream or wetlands, providing limited water quality treatment. However, a longer time of travel may provide sufficient treatment. Proper soil testing for infiltration potential will increase the likelihood of successful BMP design.
- In areas with a high seasonal water table, bioretention areas/rain gardens should be planted with water tolerant/wetland plants. The presence of a high seasonal water table suggests that water may drain slowly or not at all during certain parts of the year. Planting native wetland vegetation will help to ensure plant survival and increase the effectiveness of bioretention practices. Information on native plantings that are both drought tolerant and tolerant of wet conditions can be found in The UConn Cooperative Extension System's guide to building a rain garden at http://nemo.uconn.edu/publications/rain_garden_broch.pdf. Native plant lists for Connecticut can also be found at <http://www.fhwa.dot.gov/environment/rdsduse/ct.htm>.

LID Guidance for Federal Projects

- LID techniques have been utilized by Department of Defense (DoD) agencies during the last several years. The effectiveness of these projects in managing runoff as well as reducing construction and maintenance costs has created significant interest in LID. The DoD has created a Unified Facilities Criteria document, Low Impact Development that provides guidelines for integrating LID planning and design into a facility's regulatory and resource protection programs. It is available on-line at: http://www.wbdg.org/ccb/DOD/UFC/ufc_3_210_10.pdf.
- Section 438 of the Energy Independence and Security Act (EISA) of 2007 requires federal agencies to reduce stormwater runoff from federal development projects to protect water resources. In December 2009, the EPA developed a technical guidance document on implementing the stormwater runoff requirements for federal projects under Section 438 of EISA. The document contains guidance on how compliance with Section 438 can be achieved, measured and evaluated and can be found at: http://www.epa.gov/owow/NPS/lid/section438/pdf/final_sec438_eisa.pdf.

For more information contact the CT DEEP Watershed Management/Low Impact Development Program call (860)424-3716.

List of Runoff Reduction/LID Practices

Re-Forestation
Disconnection of Rooftop Runoff
Disconnection of Non-Rooftop Runoff
Sheetflow to Conservation Areas
Green Roof
Permeable Pavement
Rainwater Harvesting
Submerged Gravel Wetlands
Micro-Infiltration
Rain Gardens
Bioretention
Landscape Infiltration
Grass Swales
Bio-swales
Wet Swales
Stormwater Ponds
Stormwater Wetlands
Stormwater Filtering Systems
Stormwater Infiltration



General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

APPENDIX C

AQUIFER PROTECTION AREAS AND OTHER GROUNDWATER DRINKING SUPPLY AREAS GUIDANCE INFORMATION

The Stormwater Pollution Control Plan (“the Plan”) shall consider measures to reduce or mitigate potential impacts to both ground water (aquifers) and surface waters, taking into consideration both quantity and quality of the runoff. The emphasis should be to minimize, to the extent possible, changes between pre-development and post-development runoff rates and volumes.

The basic stormwater principals for Aquifer Protection Areas (and other groundwater drinking supply areas) are to prevent inadvertent pollution discharges/releases to the ground, while encouraging recharge of stormwater where it does not endanger groundwater quality. Measures include:

- prevent illicit discharges to storm water, including fuel/chemical pollution releases to the ground;
- minimize impervious coverage and disconnect large impervious areas with natural or landscape areas;
- direct paved surface runoff to aboveground type land treatment structures – sheet flow, surface swales, depressed grass islands, detention/retention and infiltration basins, and wet basins. These provide an opportunity for volatilization of volatile organic compounds to the extent possible before the stormwater can infiltrate into the ground;
- provide necessary impervious pavement in high potential pollutant release areas. These “storm water hot spots” include certain land use types or storage and loading areas, fueling areas, intensive parking areas and roadways (see table below);
- only use subsurface recharge structures such as dry wells, galleries, or leaching trenches, to directly infiltrate clean runoff such as rooftops, or other clean surfaces. These structures do not adequately allow for attenuation of salts, solvents, fuels or other soluble compounds in groundwater that may be contained in runoff; and
- restrict pavement deicing chemicals, or use an environmentally suitable substitute such as sand only, or alternative de-icing agents such as calcium chloride or calcium magnesium.

Infiltration of stormwater should be **restricted** under the following site conditions:

- **Land Uses or Activities with Potential for Higher Pollutant Loads:** Infiltration of stormwater from these land uses or activities (refer to Table 7-5 below), also referred to as stormwater “hotspots,” can contaminate public and private groundwater supplies. Infiltration of stormwater from these land uses or activities may be allowed by the review authority with appropriate pretreatment. Pretreatment could consist of one or a combination of the primary or secondary treatment practices described in the Stormwater Quality Manual provided that the treatment practice is designed to remove the stormwater contaminants of concern.
- **Subsurface Contamination:** Infiltration of stormwater in areas with soil or groundwater contamination such as brownfield sites and urban redevelopment areas can mobilize contaminants.
- **Groundwater Supply and Wellhead Areas:** Infiltration of stormwater can potentially contaminate groundwater drinking water supplies in immediate public drinking water wellhead areas.

Land Uses or Activities with Potential for Higher Pollutant Loads

Table 7-5 of the 2004 Stormwater Quality Manual

<u>Land Use/Activities</u>	
<ul style="list-style-type: none"> • Industrial facilities subject to the DEEP Industrial Stormwater General Permit or the U.S. EPA National Pollution Discharge Elimination System (NPDES) Stormwater Permit Program • Vehicle salvage yards and recycling facilities • Vehicle fueling facilities (gas stations and other facilities with on-site vehicle fueling) • Vehicle service, maintenance, and equipment cleaning facilities • Fleet storage areas (cars, buses, trucks, public works) • Commercial parking lots with high intensity use (shopping malls, fast food restaurants, convenience stores, supermarkets, etc.) • Public works storage areas 	<ul style="list-style-type: none"> • Road salt storage facilities (if exposed to rainfall) • Commercial nurseries • Flat metal rooftops of industrial facilities • Facilities with outdoor storage and loading/unloading of hazardous substances or materials, regardless of the primary land use of the facility or development • Facilities subject to chemical inventory reporting under Section 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA), if materials or containers are exposed to rainfall • Marinas (service and maintenance) • Other land uses and activities as designated by the review authority

For further information regarding the design of stormwater collection systems in Aquifer Protection Areas, contact the Aquifer Protection Area Program at (860) 424-3020 or visit www.ct.gov/deep/aquiferprotection.



**General Permit for the Discharge of Stormwater and Dewatering Wastewaters
from Construction Activities**

APPENDIX D

Coastal Management Act Determination Form

For sites within the Coastal Boundary, please attach this form and written approval from the local governing authority (or verification of exemption) to the Registration Form for the Discharge of Stormwater and Dewatering Wastewaters From Construction Activities.

SITE INFORMATION

Future Permittee _____
Mailing Address _____
Business Phone _____ ext.: _____ Fax: _____
Contact Person _____ Title: _____
Site Name _____
Site Address/ Location _____
Site Latitude and Longitude _____
Receiving Water (name, basin) _____
Project Description _____

STATEMENT OF REVIEW:

<p>The above referenced project is consistent with the goals and policies in section 22a-92 of the Connecticut General Statutes and will not cause adverse impacts to coastal resources as defined in section 22a-93(15) of the Connecticut General Statutes.</p> <p>Date of Coastal Site Plan Approval: _____</p> <p><input type="checkbox"/> Copy of written approval attached, or</p> <p><input type="checkbox"/> Verification of exemption attached</p>

APPENDIX E

**Memorandum of Agreement
Between
The Connecticut Department of Energy & Environmental Protection
and the
the Five Conservation Districts of Connecticut
for
Technical Assistance for Locally Approvable Stormwater Construction General Permits**

WHEREAS, the Commissioner of the Department of Energy and Environmental Protection (“Department” or “DEEP”) is authorized by section 22a-6(a)(2)(3) and (4) of the Connecticut General Statutes (“CGS”) to enter into this Agreement; and

WHEREAS, the five Conservation Districts of Connecticut (collectively, the “Districts”), are not-for-profit corporations duly authorized, organized and existing under the laws of the State of Connecticut and are authorized by section 22a-315 of the CGS and section 22a-315-14 of the Regulations of Connecticut State Agencies to enter into this Agreement; and

WHEREAS, section 22a-430b of the Connecticut General Statutes authorizes the Department to regulate stormwater discharges from construction activities under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (“the Construction General Permit” or “CGP”), which has been or shall be issued on October 1, 2019. The Construction General Permit requires the implementation of erosion and sediment controls to control the discharge of sediment from construction and post-construction discharges; and

WHEREAS, Construction General Permits require the preparation and implementation of a Stormwater Pollution Control Plan (“Plan” or “SWPCP”) to prevent erosion and the discharge of sediment to the waters of the state; and

WHEREAS, pursuant to section 22a-315 of the CGS, soil and water conservation districts and boards were established to advise the Commissioner on matters of soil and water conservation and erosion and sediment control and to assist the Commissioner in implementing programs related to soil and water conservation and erosion and sediment control; and

WHEREAS, pursuant to section 22a-315 of the CGS, the soil and water conservation districts and boards may receive funds from private sources for services provided to promote soil and water conservation and to assist the Commissioner in the implementation of related programs; and

WHEREAS, section 22a-326 of the CGS declares the policy of the state “to strengthen and extend its erosion and sediment control activities and programs and to establish and implement, through the Council on Soil and Water Conservation, soil and water conservation districts, the municipalities and the Commissioner of Energy and Environmental Protection, a state-wide coordinated erosion and sediment control program which shall reduce the danger from storm water runoff, minimize nonpoint sediment pollution from land being developed and conserve and protect the land, water, air and other environmental resources of the state;” and

WHEREAS, the Districts have understanding and experience in reviewing erosion and sediment control plans because of their longstanding participation in the municipal approval process, as required by section 22a-329 of the CGS; and

WHEREAS, DEEP and the Districts are jointly dedicated to protecting the waters of the state by controlling the discharge of sediment and the pollution resulting from stormwater runoff.

NOW, THEREFORE, in consideration of the mutual covenants and conditions hereinafter stated, the Parties agree as follows:

Special Conditions

I. REQUIREMENTS FOR TECHNICAL ASSISTANCE BY DISTRICTS

- A. SWPCP technical assistance shall be conducted by a District representative having one or more of the following minimum qualifications: (i) a bachelor's degree in hydrology, engineering (agricultural, civil, environmental, or chemical), landscape architecture, geology, soil science, environmental science, natural resources management, or a related field and two years of professional and field experience, or (ii) the EnviroCert International, Inc. designation as a Certified Professional in Erosion and Sediment Control (CPESC), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), or a Certified Professional in Stormwater Quality (CPSWQ).
- B. All technical assistance on SWPCPs undertaken by a District shall be conducted in accordance with the guidelines and procedures established by DEEP in consultation with the Districts, as further described below.

II. LOCALLY APPROVABLE PROJECTS

For locally approvable projects, as defined in the Construction General Permit, with five (5) or more acres of soil disturbance, the appropriate District (as indicated in Exhibit 2 of this agreement) shall review Stormwater Pollution Control Plans submitted to the District in accordance with Section 3(b)(10) of the CGP, shall determine whether each such SWPCP is consistent with the requirements of the CGP, and shall advise the Commissioner in writing of its determination regarding the SWPCP's consistency. The appropriate District may request assistance from another District or re-assign a project to another District upon mutual consent of the Districts. The Commissioner will be notified in writing of any re-assignment.

A. Components of the SWPCP Review by the Districts

1. Requirements for Conducting a Review:

The District shall begin a SWPCP review upon the receipt of the all of following: the developer's request for review, two hard copies and a digital copy of the proposed SWPCP, a non-refundable down payment from the permittee as per the Fee Schedule in Exhibit 1 and the written permission of the developer to enter onto and inspect the project site. Once the District is in receipt of all the documents and the fee as delineated above, the developer's SWPCP shall be considered submitted to the District.

2. Determinations of Consistency by the District after Review of the SWPCP and Subsequent Procedures

(a) If the District determines the developer's SWPCP is:

(i) Consistent with the requirements of the Construction General Permit, the District shall issue an affirmative determination notice to both the developer or such developer's designee and to DEEP in order to advise them of the adequacy of the SWPCP. The District shall also provide a copy of the SWPCP to DEEP if requested by the Commissioner.

(ii) Not consistent with the requirements of the Construction General Permit, the District shall provide a written notice of such inconsistency to the developer or such developer's designee; such notice shall include a list of the SWPCP's deficiencies and any appropriate explanatory comments.

- (b) If the developer’s SWPCP is found to be inconsistent with the CGP, the developer may revise the SWPCP (the “Revised SWPCP”) to address any deficiencies noted by the District and resubmit its Revised SWPCP to the District for review.
- (c) If the District receives a Revised SWPCP in accordance with subsection (b) above, the District shall perform a review of the Revised SWPCP. If the Revised SWPCP is deemed:
 - (i) Consistent with the requirements of the Construction General Permit, the District shall (1) issue an affirmative determination notice to both the project developer or such project developer’s designee and to DEEP to advise them of the adequacy of the SWPCP and (2) provide a copy of the SWPCP to the DEEP if requested by the Commissioner; or
 - (ii) Not consistent with the requirements of the CGP after this review, the District shall provide a written notice of such inconsistency to the developer or such developer’s designee. This notice shall include a list of all remaining SWPCP deficiencies and any explanatory comments as appropriate.
- (d) In the event the District determines after review of the Revised SWPCP in accordance with subsection (c), above, that the Revised SWPCP remains inconsistent with the requirements of the Construction General Permit, the developer shall continue to resubmit a Revised SWPCP in accordance with subsection (c), above, until such time as the District determines that the SWPCP is consistent with the requirements of the Construction General Permit and issues an affirmative determination notice. As such, the resubmitted Revised SWPCP shall be reviewed by the District in accordance with the timeframes set forth in Section II.B., and other applicable sections of this document, and the fee shall remain in accordance with the Fee Schedule in Exhibit 1.
- (e) Revisions to a SWPCP subsequent to the District’s prior approval of developer’s SWPCP

In the event the developer revises a SWPCP after the District has determined that the developer’s SWPCP, prior to this revision, was consistent with the requirements of the Construction General Permit, the SWPCP shall be considered a Post-Approval Resubmission. In such a case, the District shall review the SWPCP in accordance with the timeframes set forth in Section II.B., and other applicable sections of this document, and the fee shall be in accordance with the Fee Schedule in Exhibit 1.

B. Plan Review Timeframes

1. The District shall review a new submission of a SWPCP submitted by a developer or such developer’s designee and provide review comments or issue an affirmative determination notice within thirty (30) calendar days of the date of a complete submission as specified in Section II.A.1.
2. If the District identifies deficiencies in the SWPCP, the District shall allow the developer or such developer’s designee the opportunity to revise their SWPCP and resubmit it to the District within fifteen (15) calendar days after the date of mailing or delivery of the District’s written comments to the developer or such developer’s designee.
3. The District shall review any SWPCP revised in accordance with subsection II.B.2., above, and provide a written determination of the SWPCP’s consistency or inconsistency within fifteen (15) calendar days after the submission of the revised SWPCP. Subsequent resubmissions of a revised SWPCP shall be in accordance with the same timeframes.
4. At the request of the District or the developer and with the agreement of both the District and the developer, the deadlines stated in subsections 1. – 3., above, may be extended. However, any such

extensions shall be limited to no more than double the original amount of time allowed above for the relevant action.

5. Expedited review of a SWPCP may be requested by a developer. However, the Districts shall have complete discretion to accept or decline such request for an expedited review based on the District's circumstances, including, but not limited to: their existing workload, vacation schedules and staffing. If a District grants an expedited review, the timeframe shall be reduced to no more than one third of the timeframes noted in subsection 1. – 3., above, and the fee and non-refundable down payment shall be twice those amounts listed in Exhibit 1.
6. In the event a District does not complete the review of the SWPCP within sixty (60) days (or within the time allowed under any resubmissions or authorized extension pursuant to subsections B.3 and B.4, above, but in no circumstance later than 120 days) of the date the SWPCP was initially submitted to the District, and provided such delay is not the result of the developer's or such developer's designee's failure to address SWPCP deficiencies as noted in subsection B.2, above, the District shall:
 - (a) not later than three (3) days after the District's deadline, notify the DEEP that the developer shall be initiating the registration process for the Construction General Permit in accordance with section II.B of this Agreement, for completion of the SWPCP review, and;
 - (b) provide to the DEEP, upon request, the District's complete file, including supporting documentation the developer's SWPCP consistency determination, including, but not limited to, the SWPCP, any other documentation submitted to the District by or on behalf of a developer, and any analysis already performed by the District; and
 - (c) not later than seven (7) days after the District's deadline, in accordance with section II.B of this Agreement, for completion of the SWPCP review, transfer to the DEEP all fees that were originally submitted by the developer.

C. Inspections of the Project Site

1. Prior to the commencement of project construction and during the course of the SWPCP review process, the District shall conduct at least one inspection of the project site.
2. Once the construction of the project has begun, the District shall make at least one, but not more than three, inspection(s) of the project site to verify that the developer's SWPCP is being implemented as approved by the District. The District shall report the results of the inspection(s) to the developer or such developer's designee and to DEEP in a manner prescribed by the Commissioner.
3. Upon notification from the developer or developer's designee, in accordance with Section 6(a)(1) of the CGP, that construction of the stormwater collection and management system is complete, the District shall conduct one inspection of the project site to verify that the post-construction stormwater management measures were completed in accordance with the approved SWPCP. The District shall report the results of this inspection to DEEP in a manner prescribed by the Commissioner.

D. Audits

The District agrees that all records pertaining to this Agreement shall be maintained for a period of not less than five (5) years. Such records shall be made available to the DEEP and to the state auditors upon request. For the purposes of this Agreement, "Records" are all working papers and such information and materials as may have been accumulated by the District in performing the Agreement, including, but not limited to, documents, data, analysis, plans, books, computations, drawings, specifications, notes, reports, records, estimates, summaries and correspondence, kept or stored in any form.

III. FEE SCHEDULE.

- A.** A District may assess fees for the services it renders in conjunction with its SWPCP reviews. Such fees shall be assessed in accordance with the Fee Schedule in Exhibit 1. All fees shall be submitted by the developer to the District with the developer's request for review and inspections. These fees are non-refundable.
- B.** The Fee Schedule shall be reviewed annually by the Parties. The Fee Schedule may be adjusted as warranted, without a formal amendment to this Agreement, by mutual agreement between the Districts and the Commissioner.

IV. RESPONSIBILITIES OF DEEP.

- A.** In accordance with the Construction General Permit requirements for SWPCP reviews of locally approvable projects by a third party, DEEP shall conduct outreach to inform the development community that a District may review SWPCPs for consistency with the requirements of the Construction General Permit. DEEP shall also inform the development community that a registration form for authorization of a locally approvable project under the Construction General Permit may only be submitted to DEEP if: the District, or other third party in accordance with Section 3(b)(11) of the CGP, determines that the SWPCP is consistent with the requirements of the CGP, or in the event the time schedule is exceeded for a District review as described in section II.B.6, above.
- B.** In order to institute standard SWPCP review guidelines and procedures, DEEP shall coordinate with the Districts to prepare a SWPCP checklist. The standard review guidelines and procedures established shall be consistent with the requirements of the Construction General Permit, the 2002 CT Guidelines for Soil Erosion and Sediment Control, and the 2004 Stormwater Quality Manual, as respectively amended. The Commissioner shall have final approval of the review guidelines and procedures.
- C.** DEEP shall provide initial training regarding SWPCP requirements for District staff involved in SWPCP reviews. The frequency of subsequent training shall be determined by the Commissioner.
- D.** DEEP shall retain final decision making authority regarding the determination that a SWPCP is or is not consistent with the requirements of the Construction General Permit and shall oversee the permitting process for Construction General Permit coverage.
- E.** Once a SWPCP has been approved, DEEP shall oversee any subsequent compliance and/or enforcement matters related to a developer's adherence to the requirements of the Construction General Permit.
- F.** DEEP shall have the discretion to review any of the Districts' records pertaining to any aspect this Agreement.

V. POINTS OF CONTACT.

The following shall be points of contact for this Agreement unless otherwise agreed to by all Parties, notwithstanding section VI. All notices, demands, requests, consents, approvals or other communications required or permitted to be given or which are given with respect to this Agreement (for the purpose of this section collectively called "Notices") shall be deemed to have been effected at such time as the notice is placed in the U.S. mail, first class and postage prepaid, return receipt requested, or, placed with a recognized, overnight express delivery service that provides for a return receipt. All such Notices shall be in writing and shall be addressed as follows:

A. DEEP

Director
Water Permitting & Enforcement Division
Bureau of Material Management & Compliance Assurance
Department of Energy & Environmental Protection
79 Elm St.
Hartford, CT 06106
Phone: 860-424-3018
Fax: 860-424-4074

B. Conservation District

Board Chairperson
Address & Phone of appropriate District:

Northwest Conservation District
1185 New Litchfield Street
Torrington, CT 06790
Ph: 860-626-7222
Fax: 860-626-7222
Email: info@nwcd.org

Eastern Connecticut Conservation District
238 West Town Street
Norwich, CT 06360-2111
Ph: 860-319-8806
Email: Dan.Mullins@comcast.net

Connecticut River Coastal Conservation District, Inc.
deKoven House Community Center
27 Washington Street
Middletown, CT 06457
Ph: 860-346-3282
Email: ctrivercoastal@conservect.org

Southwest Conservation District
51 Mill Pond Road
Hamden, CT 06514
Ph: 203-859-7014
Email: csullivan@conservect.org

North Central Conservation District
24 Hyde Avenue
Vernon, CT 06066
Ph: 860-875-3881
Email: tollandc@snet.net

General Conditions

VI. EXECUTIVE ORDERS AND ANTI-DISCRIMINATION. This Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which

are incorporated into and are made a part of the Contract as if they had been fully set forth in it. The Contract may also be subject to Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services and to Executive Order No. 49 of Governor Dannel P. Malloy, promulgated May 22, 2015, mandating disclosure of certain gifts to public employees and contributions to certain candidates for office. If Executive Order 14 and/or Executive Order 49 are applicable, they are deemed to be incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency or DAS shall provide a copy of these orders to the Contractor.

VII. AMENDMENTS. Either the DEEP or the Districts may recommend revisions to this Agreement as circumstances may warrant; however, any revisions must be upon mutual agreement of DEEP and all five Conservation Districts. Unless otherwise stated in this Agreement, formal written amendment is required for changes to any of the terms and conditions specifically stated in the Agreement, any prior amendments to the Agreement, and any other Agreement revisions determined material by the Department.

VIII. SEVERABILITY. The provisions of this Agreement are severable. If any part of it is found unenforceable, all other provisions shall remain fully valid and enforceable, unless the unenforceable provision is an essential element of the bargain.

IX. SOVEREIGN IMMUNITY. The Parties acknowledge and agree that nothing in the Agreement shall be construed as a modification, compromise or waiver by the State of any rights or defenses of any immunities provided by federal law or the laws of the State of Connecticut to the State or any of the State's, which they may have had, now have or shall have with respect to all matters arising out of the Agreement. To the extent that this section conflicts with any other section, this section shall govern.

X. FORUM AND CHOICE OF LAW. The Agreement shall be deemed to have been made in the City of Hartford, State of Connecticut. Both Parties agree that it is fair and reasonable for the validity and construction of the Agreement to be, and it shall be, governed by the laws and court decisions of the State of Connecticut, without giving effect to its principles of conflicts of laws. To the extent that any immunities provided by federal law or the laws of the State of Connecticut do not bar an action against the State or the Districts, and to the extent that these courts are courts of competent jurisdiction, for the purpose of venue, the complaint shall be made returnable to the Judicial District of Hartford only or shall be brought in the United States District Court for the District of Connecticut only, and shall not be transferred to any other court, provided, however, that nothing here constitutes a waiver or compromise of the sovereign immunity of the State of Connecticut. The Districts waive any objection which they may now have or shall have to the laying of venue of any Claims in any forum and further irrevocably submits to such jurisdiction in any suit, action or proceeding.

XI. TERMINATION. Notwithstanding any provisions in this Agreement, DEEP, through a duly authorized employee, may terminate the Agreement whenever the Agency makes a written determination that such Termination is in the best interests of the State. The Agency shall notify the Districts in writing sent by certified mail, return receipt requested, which notice shall specify the effective date of Termination and the extent to which the Districts must complete its Performance under the Agreement prior to such date; or (b) The Districts may terminate the Agreement for good cause. The Districts shall notify DEEP by written notice at least one hundred eighty (180) days prior to the effective date of termination. In order for the Districts to terminate this Agreement, (1) there must be a consensus between all five Conservation Districts that each District shall be terminating this Agreement with the DEEP; (2) such proof of consensus shall be submitted to the DEEP in the form of a letter signed by the duly authorized agent for each District by certified mail, return receipt requested, at least one hundred eighty (180) days prior to the Districts' intention to cancel or terminate. Upon the Termination of this Agreement by either Party, the Districts shall deliver to the Agency copies of all Records no later than thirty (30) days after the Termination of the Agreement, or fifteen (15) days after the Non-terminating Party receives a written request from the Terminating Party for the Records. The Districts shall deliver those Records that exist in electronic, magnetic or other intangible form in a non-proprietary format, such as, but not limited to, PDF, ASCII or .TXT. Upon receipt of a written notice of

Termination from the Agency, the Districts shall cease operations as the Agency directs in the notice, and take all actions that are necessary or appropriate, or that the Agency may reasonably direct, for the protection, and preservation of records. Except for any work which the Agency directs the Districts to Perform in the notice prior to the effective date of Termination, and except as otherwise provided in the notice, the Districts shall terminate or conclude all existing subcontracts and purchase orders and shall not enter into any further subcontracts, purchase orders or commitments. Upon Termination of the Agreement, all rights and obligations shall be null and void, so that no Party shall have any further rights or obligations to any other Party, except with respect to the sections which survive Termination. All representations, warranties, agreements and rights of the Parties under the Agreement shall survive such Termination to the extent not otherwise limited in the Agreement and without each one of them having to be specifically mentioned in the Agreement. Termination of the Agreement pursuant to this section shall not be deemed to be a breach of Agreement by the Agency.

XII. DURATION OF AGREEMENT. This Agreement shall be effective on July 1, 2019 or on the date of the last signature below, whichever is later, and shall continue in force unless canceled or terminated by either party in accordance with paragraph XI above.

XIII. VOID AB INITIO. Notwithstanding paragraphs XI and XII, the Agreement shall be void *ab initio* if the Construction General Permit is reissued, revoked or modified to eliminate the need for the Districts to review the SWPCP pursuant to such general permit's terms and conditions or if the Construction General Permit expires and is not reissued.

XIV. INTERPRETATION. The Agreement contains numerous references to statutes and regulations. For purposes of interpretation, conflict resolution and otherwise, the content of those statutes and regulations shall govern over the content of the reference in the Agreement to those statutes and regulations.

XV. ENTIRETY OF AGREEMENT. This Agreement is the entire agreement between the Parties with respect to its subject matter, and supersedes all prior agreements, proposals, offers, counteroffers and understandings of the Parties, whether written or oral. The Agreement has been entered into after full investigation, neither Party relying upon any statement or representation by the other unless such statement or representation is specifically embodied in the Agreement.

XVI. PROTECTION OF STATE CONFIDENTIAL INFORMATION.

- A. The Districts or District Parties, at their own expense, have a duty to and shall protect from a Confidential Information Breach any and all Confidential Information which they come to possess or control, wherever and however stored or maintained, in a commercially reasonable manner in accordance with current industry standards. Confidential Information is any information that a party claims to be exempt from the state Freedom of Information Act (Section 1-210 et seq of the Connecticut General Statutes, also called FOIA) as specified in that Act.
- B. Each District or District Party shall develop, implement and maintain a comprehensive data-security program for the protection of Confidential Information. The safeguards contained in such program shall be consistent with and comply with the safeguards for protection of Confidential Information, and information of a similar character, as set forth in all applicable federal and state law and written policy of the Department or State concerning the confidentiality of Confidential Information. Such data-security program shall include, but not be limited to, the following:
 - 1. A security policy for employees related to the storage, access and transportation of data containing Confidential Information;
 - 2. Reasonable restrictions on access to records containing Confidential Information, including access to any locked storage where such records are kept;

3. A process for reviewing policies and security measures at least annually;
4. Creating secure access controls to Confidential Information, including but not limited to passwords; and
5. Encrypting of Confidential Information that is stored on laptops, portable devices or being transmitted electronically.

C. The District and District Parties shall notify the Department and the Connecticut Office of the Attorney General as soon as practical, but no later than twenty-four (24) hours, after they become aware of or suspect that any Confidential Information which Parties have come to possess or control has been subject to a Confidential Information Breach. If a Confidential Information Breach has occurred, the District shall, within three (3) business days after the notification, present a credit monitoring and protection plan to the Commissioner of Administrative Services, the Department and the Connecticut Office of the Attorney General, for review and approval. Such credit monitoring or protection plan shall be made available by the District at its own cost and expense to all individuals affected by the Confidential Information Breach. Such credit monitoring or protection plan shall include, but is not limited to, reimbursement for the cost of placing and lifting one (1) security freeze per credit file pursuant to Connecticut General Statutes §36a-701a. Such credit monitoring or protection plans shall be approved by the State in accordance with this Section and shall cover a length of time commensurate with the circumstances of the Confidential Information Breach. The District's costs and expenses for the credit monitoring and protection plan shall not be recoverable from the Department, any State of Connecticut entity or any affected individuals.

D. The District shall incorporate the requirements of this Section in all subAgreements requiring each District Party to safeguard Confidential Information in the same manner as provided for in this Section.

E. Nothing in this Section shall supersede in any manner the District's and/ or the District Parties' obligations pursuant to HIPAA or the provisions of this Agreement concerning the obligations of the District as a Business Associate of the Department.

XVII. AMERICANS WITH DISABILITIES ACT. The Districts shall be and remain in compliance with the Americans with Disabilities Act of 1990 ("Act"), to the extent applicable, during the term of the Agreement. The DEEP may cancel the Agreement if the District and District Parties fail to comply with the Act.

XVIII. ADA PUBLICATION STATEMENT. The following statement shall be incorporated into all **publications** prepared under the terms of this Agreement:

"The Department of Energy and Environmental Protection is an affirmative action/equal opportunity employer and service provider. In conformance with the Americans with Disabilities Act, DEEP makes every effort to provide equally effective services for persons with disabilities. Individuals with disabilities who need this information in an alternative format, to allow them to benefit and/or participate in the agency's programs and services, should call DEEP's Human Resources Office at (860) 424-3006, send a fax to (860) 424-3896, or email DEEP.MedRecs@ct.gov. Persons who are hearing impaired should call the State of Connecticut relay number 711."

When advertising any **public meetings** conducted under the terms of this Agreement, the above publications language should be used as well as the following statement:

"Requests for accommodations must be made at least two weeks prior to the program date."

All **videos** produced under the terms of this Agreement must be made available with closed captioning.

XIX. PUBLICATION OF MATERIALS. The District must obtain written approval from the State of Connecticut prior to distribution or publication of any printed material prepared under the terms of this Agreement. Unless specifically authorized in writing by the State, on a case by case basis, the District shall have no right to use, and shall not use, the name of the State of Connecticut, its officials, agencies, or employees or the seal of the State of Connecticut or its agencies: (1) in any advertising, publicity, promotion; or (2) to express or to imply any endorsement of District's products or services; or (3) to use the name of the State of Connecticut, its officials agencies, or employees or the seal of the State of Connecticut or its agencies in any other manner (whether or not similar to uses prohibited by (1) and (2) above), except only to manufacture and deliver in accordance with this Agreement such items as are hereby contracted for by the State. In no event may the Districts use the State Seal in any way without the express written consent of the Secretary of State.

XX. CHANGES IN PRINCIPAL PROJECT STAFF. Any changes in District staff qualified to review Plans must be requested in writing and approved in writing by the Commissioner at the Commissioner's sole discretion. In the event of any unapproved change in District staff, the Commissioner may, in the Commissioner's sole discretion, terminate this Agreement.

XXI. FURTHER ASSURANCES. The Parties shall provide such information, execute and deliver any instruments and documents and take such other actions as may be necessary or reasonably requested by the other Party which are not inconsistent with the provisions of this Agreement and which do not involve the vesting of rights or assumption of obligations other than those provided for in the Agreement, in order to give full effect to the Agreement and to carry out the intent of the Agreement.

XXII. ASSIGNMENT. The Districts shall not assign any of their rights or obligations under the Agreement, voluntarily or otherwise, in any manner without the prior written consent of the Agency. The Agency may void any purported assignment in violation of this section and declare the District in breach of this Agreement. Any termination by the Agency for a breach is without prejudice to the Agency's or the State's rights or possible Claims.

XXIII. EXHIBITS. All exhibits referred to in, and attached to, this Agreement are incorporated in this Agreement by such reference and shall be deemed to be a part of it as if they had been fully set forth in it.

XXIV. FORCE MAJEUR. Events that materially affect the cost of the Goods or Services or the time schedule within which to Perform and are outside the control of the party asserting that such an event has occurred, including, but not limited to, labor troubles unrelated to District(s), failure of or inadequate permanent power, unavoidable casualties, fire not caused by a District, extraordinary weather conditions, disasters, riots, acts of God, insurrection or war.

XXV. INDEMNIFICATION. The Districts shall indemnify, defend and hold harmless the State and its officers, representatives, agents, servants, employees, successors and assigns from and against any and all (1) Claims arising, directly or indirectly, in connection with the Agreement, including the acts of commission or omission (collectively, the "Acts") of the District or District Parties; and (2) liabilities, damages, losses, costs and expenses, including but not limited to, attorneys' and other professionals' fees, arising, directly or indirectly, in connection with Claims, Acts or the Agreement. The Districts obligations under this section to indemnify, defend and hold harmless against Claims includes Claims concerning confidentiality of any part of or all of the Districts' Records, any intellectual property rights, other proprietary rights of any person or entity, copyrighted or uncopyrighted compositions, secret processes, patented or unpatented inventions, articles or appliances furnished or used in the Performance. The Districts shall not be responsible for indemnifying or holding the State harmless from any liability arising due to the negligence of the State or any other person or entity acting under the direct control or supervision of the State. The Districts shall reimburse the State for any and all damages to the real or personal property of the State caused by the Acts of the Districts or any District Parties. The State shall give the Districts reasonable notice of any such Claims. The Districts shall carry and maintain at all times during the term of the Agreement, and during the time that any

provisions survive the term of the Agreement, sufficient general liability insurance to satisfy its obligations under this Agreement. The Districts shall name the State as an additional insured on the policy and shall provide a copy of the policy to the Agency prior to the effective date of the Agreement. The Districts shall not begin Performance until the delivery of the policy to the Agency. The Agency shall be entitled to recover under the insurance policy even if a body of competent jurisdiction determines that the Agency or the State is contributorily negligent. This section shall survive the Termination of the Agreement and shall not be limited by reason of any insurance coverage.

XXVI. DISTRICT PARTIES. A District's members, directors, officers, shareholders, partners, managers, principal officers, representatives, agents, servants, consultants, employees or any one of them or any other person or entity with whom the District is in privity of oral or written contract and the District intends for such other person or entity to Perform under the Agreement in any capacity

XXVII. CAMPAIGN CONTRIBUTION RESTRICTION. For all State contracts as defined in P.A. 07-1 having a value in a calendar year of \$50,000 or more or a combination or series of such agreements or contracts having a value of \$100,000 or more, the authorized signatory to this Agreement expressly acknowledges receipt of the State Elections Enforcement Commission's notice advising state contractors of state campaign contribution and solicitation prohibitions, and will inform its principals of the contents of the notice. See SEEC Form 11.

Authorizing Signatures

For DEEP: _____
Katherine S. Dykes, Commissioner Date

For Northwest Conservation District: _____
Signature Date

Title

For Eastern Connecticut Conservation District: _____
Signature Date

Title

For Connecticut River Coastal Conservation District, Inc.: _____
Signature Date

Title

For Southwest Conservation District: _____
Signature Date

Title

For North Central Conservation District: _____
Signature Date

Title

Exhibit 1

Fee Schedule

The Districts will be paid \$120/hour for technical assistance work performed.

Non-refundable down payments required with submission:

\$2,500 for sites \leq 20 acres

\$4,000 for sites $>$ 20 acres

Exhibit 2

**Conservation Districts of Connecticut
Regional Delineations and Contact Information**

Northwest Conservation District
1185 New Litchfield Street
Torrington, CT 06790
Ph: 860-626-7222
Fax: 860-626-7222
Email: info@nwcd.org

Eastern Connecticut Conservation District
238 West Town Street
Norwich, CT 06360-2111
Ph: 860-319-8806
Email: Dan.Mullins@comcast.net

Connecticut River Coastal Conservation District, Inc.
deKoven House Community Center
27 Washington Street
Middletown, CT 06457
Ph: 860-346-3282 Email: ctrivercoastal@conservect.org

Southwest Conservation District
51 Mill Pond Road
Hamden, CT 06514
Ph: 203-859-7014
Email: csullivan@conservect.org

North Central Conservation District
24 Hyde Avenue
Vernon, CT 06066
Ph: 860-875-3881
Email: tollandc@snet.net

NORTHWEST	SOUTHWEST	NORTH CENTRAL	CT RIVER COASTAL	EASTERN
Barkhamsted	Ansonia	Avon	Berlin	Andover
Bethel	Beacon Falls	Bloomfield	Chester	Ashford
Bethlehem	Bethany	Bolton	Clinton	Bozrah
Bridgewater	Branford	Bristol	Colchester	Brooklyn
Brookfield	Bridgeport	Burlington	Cromwell	Canterbury
Canaan	Cheshire	Canton	Deep River	Chaplin
Colebrook	Darien	Coventry	Durham	Columbia
Cornwall	Derby	East Granby	East Haddam	Eastford
Danbury	East Haven	East Hartford	East Hampton	East Lyme
Goshen	Easton	East Windsor	Essex	Franklin
Hartland	Fairfield	Ellington	Haddam	Griswold
Harwinton	Greenwich	Enfield	Hebron	Groton
Kent	Guilford	Farmington	Killingworth	Hampton
Litchfield	Hamden	Glastonbury	Lyme	Killingly
Morris	Meriden	Granby	Madison	Lebanon
New Fairfield	Middlebury	Hartford	Marlborough	Ledyard
New Hartford	Milford	Manchester	Middlefield	Lisbon
New Milford	Monroe	Plainville	Middletown	Mansfield
Newtown	Naugatuck	Simsbury	Newington	Montville
Norfolk	New Canaan	Somers	New Britain	New
North Canaan	New Haven	South Windsor	Old Lyme	London
Plymouth	North Branford	Stafford	Old Saybrook	North
Roxbury	North Haven	Suffield	Portland	Stonington
Salisbury	Norwalk	Tolland	Rocky Hill	Norwich
Sharon	Orange	Vernon	Salem	Plainfield
Sherman	Oxford	West Hartford	Westbrook	Pomfret
Southbury	Prospect	Wethersfield		Preston
Thomaston	Redding	Willington		Putnam
Torrington	Ridgefield	Windsor		Scotland
Warren	Seymour	Windsor Locks		Sprague
Washington	Shelton			Sterling
Watertown	Southington			Stonington
Winchester	Stamford			Thompson
Woodbury	Stratford			Union
	Trumbull			Voluntown
	Wallingford			Waterford
	Waterbury			Windham
	West Haven			Woodstock
	Weston			
	Westport			
	Wilton			
	Wolcott			
	Woodbridge			

Exhibit 3

CONSERVATION DISTRICT PLAN REVIEW CERTIFICATION

Registrations submitted to DEEP for which a Conservation District has performed the Plan review pursuant to Section 3(b)(10) of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities shall include the following certification:

"I hereby certify that I am an employee of the [INSERT NAME OF DISTRICT] Conservation District and that I meet the qualifications to review Stormwater Pollution Control Plans as specified in the Memorandum of Agreement between the Connecticut Department of Energy & Environmental Protection and the Five Conservation Districts of Connecticut for Technical Assistance for Locally Approvable Construction General Permits. I am making this certification in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I have personally examined and am familiar with the information that provides the basis for this certification, including but not limited to all information described in such general permit, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I certify, based on my review of the requirements of such general permit and on the standard of care for such projects, that the Plan is in compliance with the requirements of the general permit. I understand that knowingly making any false statement in this certification may be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Registrations submitted to DEEP for which the District review was begun but **could not be completed** within the time limits specified in the Memorandum of Agreement shall include the following statement:

"I hereby certify that I am an employee of the [INSERT NAME OF DISTRICT] Conservation District and that I meet the qualifications to review Stormwater Pollution Control Plans as specified in the Memorandum of Agreement between the Connecticut Department of Energy & Environmental Protection and the Five Conservation Districts of Connecticut for Technical Assistance for Locally Approvable Construction General Permits. I am making this statement in connection with a registration under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, submitted to the commissioner by [INSERT NAME OF REGISTRANT] for an activity located at [INSERT ADDRESS OF PROJECT OR ACTIVITY]. I hereby state that the review of the Stormwater Pollution Control Plan (Plan) for such registration was not completed within the time frames specified in the Memorandum of Agreement. Consequently, I cannot certify that the Plan is in compliance with the requirements of the general permit."

APPENDIX F
Memorandum of Agreement
Between
The Connecticut Department of Energy & Environmental Protection
and
the Five Conservation Districts of Connecticut
for
Technical Assistance for Locally Exempt Stormwater Construction General Permits

WHEREAS, the Commissioner of the Department of Energy and Environmental Protection (“Department” or “DEEP”) is authorized by section 22a-6(a)(2)(3) and (4) of the Connecticut General Statutes (“CGS”) to enter into this Agreement; and

WHEREAS, the five Conservation Districts of Connecticut (collectively, the “Districts”), are not-for-profit corporations duly authorized, organized and existing under the laws of the State of Connecticut and are authorized by section 22a-315 of the CGS and section 22a-315-14 of the Regulations of Connecticut State Agencies to enter into this Agreement; and

WHEREAS, section 22a-430b of the Connecticut General Statutes authorizes the Department to regulate stormwater discharges from construction activities under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (“the Construction General Permit” or “CGP”), which has been or shall be issued on October 1, 2019. The Construction General Permit requires the implementation of erosion and sediment controls to control the discharge of sediment from construction and post-construction discharges; and

WHEREAS, the Construction General Permit requires the preparation and implementation of a Stormwater Pollution Control Plan (“Plan” or “SWPCP”) to prevent erosion and the discharge of sediment to the waters of the state; and

WHEREAS, pursuant to section 22a-315 of the CGS, soil and water conservation districts and boards were established to advise the Commissioner on matters of soil and water conservation and erosion and sediment control and to assist the Commissioner in implementing programs related to soil and water conservation and erosion and sediment control; and

WHEREAS, pursuant to section 22a-315 of the CGS, the soil and water conservation districts and boards may receive funds from private sources for services provided to promote soil and water conservation and to assist the Commissioner in the implementation of related programs; and

WHEREAS, section 22a-326 of the CGS declares the policy of the state “to strengthen and extend its erosion and sediment control activities and programs and to establish and implement, through the Council on Soil and Water Conservation, soil and water conservation districts, the municipalities and the Commissioner of Energy and Environmental Protection, a state-wide coordinated erosion and sediment control program which shall reduce the danger from storm water runoff, minimize nonpoint sediment

pollution from land being developed and conserve and protect the land, water, air and other environmental resources of the state;” and

WHEREAS, the Districts have understanding and experience in reviewing erosion and sediment control plans because of their longstanding participation in the municipal approval process, as required by section 22a-329 of the CGS; and

WHEREAS, DEEP and the Districts are jointly dedicated to protecting the waters of the state by controlling the discharge of sediment and the pollution resulting from stormwater runoff.

NOW, THEREFORE, in consideration of the mutual covenants and conditions hereinafter stated, the Parties agree as follows:

Special Conditions

II. REQUIREMENTS FOR TECHNICAL ASSISTANCE BY DISTRICTS

- A. SWPCP technical assistance shall be conducted by a District representative having one or more of the following minimum qualifications: (i) a bachelor’s degree in hydrology, engineering (agricultural, civil, environmental, or chemical), landscape architecture, geology, soil science, environmental science, natural resources management, or a related field and two years of professional and field experience, or (ii) the EnviroCert International, Inc. designation as a Certified Professional in Erosion and Sediment Control (CPESC), Certified Erosion, Sediment and Stormwater Inspector (CESSWI), or a Certified Professional in Stormwater Quality (CPSWQ).

- B. All technical assistance on SWPCPs undertaken by a District shall be conducted in accordance with the guidelines and procedures established by DEEP in consultation with the Districts, as further described below.

III. LOCALLY EXEMPT PROJECTS

For locally exempt projects, as defined in the Construction General Permit, with five (5) or more acres of soil disturbance, the appropriate District (as specified in the CGP and as indicated in Exhibit 2 appended hereto) shall, upon request by DEEP, provide technical assistance to DEEP for ensuring implementation of the Stormwater Pollution Control Plan in compliance with the CGP.

A. SWPCP Compliance Technical Assistance

- 1. The District shall be responsible for inspections to ensure that the SWPCP is properly implemented in accordance with the CGP by coordinating with the permittee (or designee) and conducting on-site inspections. Technical assistance will begin upon a written request from DEEP, the receipt of two copies of the approved SWPCP, and a down payment from the permittee as per the fee schedule in Exhibit 1. Once the District is in receipt of the documents and such down payment, the permittee’s SWPCP shall be considered submitted to the District and the District will begin the required review in accordance with this agreement and the CGP.

2. **Pre-construction Preparation:** The District will review the approved SWPCP and any other relevant site plans, conduct an on-site visit, and set a date for the pre-construction meeting.
3. **Pre-construction Meeting:** Before the start of any construction, including any clearing of vegetation or installation of erosion and sediment controls (E&S controls), the District will meet with the permittee (or designee), contractor(s) and the qualified professional engineer who designed the project (designing qualified professional engineer) to review E&S control plans for construction and post-construction stormwater controls. Such meeting will include review of the construction schedule/phasing plan, inspection schedule, exchange of contacts, and discussion of any potential problem areas. If construction begins prior to this meeting, the District shall notify DEEP of non-compliance with the CGP.
4. **Plan Implementation Inspection:** The permittee (or designee) will notify the District when the E&S controls are installed and coordinate with the designing qualified professional engineer to schedule the Plan Implementation Inspection. The District will conduct the initial on-site inspection accompanied by the permittee (or designee) and the designing qualified professional engineer. If it is determined that the controls are installed properly and are in compliance with the approved SWPCP, the District will issue a notice that construction may proceed according to the SWPCP phasing plan. If the controls are not installed properly, the District will provide written notification to the permittee (or designee) of any action needed to comply with the SWPCP. The District shall re-inspect the site upon notification by the permittee (or designee) that the site is ready for re-inspection and in accordance with the Plan Implementation Inspection requirements in the CGP. Once the controls are properly installed and are in compliance with the approved SWPCP, the District will issue a notice that construction may proceed according to the SWPCP phasing plan.
5. **Interim Inspections**
 - (a) As determined at the pre-construction meeting and according to the approved SWPCP or as otherwise directed by the Commissioner, interim inspections shall be conducted to verify compliance with the CGP and the SWPCP, including but not limited to, verification of site stabilization at the end of each construction phase and proper installation of controls prior to the beginning of the next phase of construction. Similar to the Plan Implementation Inspection, the permittee (or designee) will notify the District that an inspection is needed for either the closeout of one phase and/or the beginning of another.
 - (b) Random inspections shall be conducted at least every 6 weeks if needed between scheduled inspections.
 - (c) Additional inspections may be scheduled if E&S control objectives are not being met.
 - (d) A written report will be generated following each inspection noting site conditions and any action required to maintain proper E&S controls during construction. The report will note whether or not the site is in compliance with the SWPCP and the CGP.
6. **Post-Construction Inspection:** Once construction is completed the District will conduct a post-construction site inspection with the permittee (or designee), designing qualified professional engineer and contractor to verify that all post-construction stormwater measures

are installed properly in accordance with the CGP and the SWPCP. The District will conduct at least one follow-up site visit after the post-construction site inspection. Additional inspections may be needed if the site is not stable and remedial action is needed. Reports and required actions will follow the same protocol as outlined in II.A.5.(d), above.

7. Final Stabilization Inspection: A final site inspection with the District, contractor, and designing qualified professional engineer will be conducted to ensure the site has been fully stabilized and all post-construction stormwater Best Management Practices (BMPs) are in place and functioning. The final stabilization inspection shall not take place prior to the completion of one (1) full growing season (April – October) following a successful post-construction inspection. The District will notify DEEP to confirm the site has achieved final stabilization. Subsequent to such notification, the permittee shall submit a Notice of Termination in accordance with the CGP.

B. Audits

The District agrees that all records pertaining to this Agreement shall be maintained for a period of not less than five (5) years. Such records shall be made available to the DEEP and to the state auditors upon request. For the purposes of this Agreement, “Records” are all working papers and such information and materials as may have been accumulated by the District in performing the Agreement, including, but not limited to, documents, data, analysis, plans, books, computations, drawings, specifications, notes, inspection reports and records, estimates, summaries and correspondence, kept or stored in any form.

IV. FEE SCHEDULE

- A. A District will assess fees for the services it renders in conjunction with its SWPCP technical assistance in accordance with the Fee Schedule provided in Exhibit 1 to this agreement. Fees will be calculated on an hourly basis and paid for by the permittee. A down payment will be required prior to the start of any assistance.
- B. The Fee Schedule shall be reviewed annually by the Parties. The Fee Schedule may be adjusted as warranted by mutual written agreement between the Districts and the Commissioner.

V. RESPONSIBILITIES OF DEEP

- A. DEEP is responsible for formal review of all locally exempt SWPCPs submitted as part of the CGP and will require performance assurance (in accordance with the CGP) or similar financial mechanisms of the permittee to ensure payments will be made to Districts for technical assistance work.
- B. In order to institute standard SWPCP review guidelines and procedures, DEEP shall coordinate with the Districts to prepare a SWPCP checklist. The standard review guidelines and procedures established shall be consistent with the requirements of the Construction General Permit, the 2002 CT Guidelines for Soil Erosion and Sediment Control (as amended), and the 2004 Stormwater Quality Manual (as amended). The Commissioner shall have final approval of the review guidelines and procedures.

- C. DEEP shall provide initial training regarding SWPCP requirements for District staff involved in SWPCP technical assistance. The frequency of subsequent training shall be determined by the Commissioner.
- D. DEEP shall retain final decision making authority regarding the determination that a construction site is in compliance or not with the SWPCP requirements of the Construction General Permit and shall oversee the permitting process for Construction General Permit coverage.
- E. DEEP shall oversee any subsequent compliance and/or enforcement matters related to a permittee's adherence to the requirements of the Construction General Permit.
- F. DEEP shall have the discretion to review any of the Districts' records pertaining to any aspect this Agreement.

VI. POINTS OF CONTACT

The following shall be points of contact for this Agreement unless otherwise agreed to by all Parties. All notices, demands, requests, consents, approvals or other communications required or permitted to be given or which are given with respect to this Agreement (for the purpose of this section collectively called "Notices") shall be deemed to have been effected at such time as the notice is emailed, or placed in the U.S. mail, first class and postage pre-paid, return receipt requested, or placed with a recognized overnight express delivery service that provides for a return receipt. All such Notices shall be in writing and shall be addressed as follows:

DEEP
Director Water Permitting & Enforcement Division
Bureau of Material Management & Compliance Assurance
Department of Energy & Environmental Protection
79 Elm St.
Hartford, CT 06106
Phone: 860-424-3018
Fax: 860-424-4074

Conservation District Executive Director and/or Board Chairperson
Address & Phone of appropriate District:

Northwest Conservation District
1185 New Litchfield Street
Torrington, CT 06790
Ph: 860-626-7222
Fax: 860-626-7222
Email: info@nwcd.org

Eastern Connecticut Conservation District
238 West Town Street
Norwich, CT 06360-2111
Ph: 860-319-8806
Email: Dan.Mullins@comcast.net

Connecticut River Coastal Conservation District, Inc.
deKoven House Community Center
27 Washington Street
Middletown, CT 06457
Ph: 860-346-3282
Email: ctrivercoastal@conservect.org

Southwest Conservation District
51 Mill Pond Road
Hamden, CT 06514
Ph: 203-859-7014
Email: csullivan@conservect.org

North Central Conservation District
24 Hyde Avenue
Vernon, CT 06066
Ph: 860-875-3881
Email: tollandc@snet.net

General Conditions

VII. EXECUTIVE ORDERS AND ANTI-DISCRIMINATION.

Executive Orders. . This Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Contract as if they had been fully set forth in it. The Contract may also be subject to Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services and to Executive Order No. 49 of Governor Dannel P. Malloy, promulgated May 22, 2015, mandating disclosure of certain gifts to public employees and contributions to certain candidates for office. If Executive Order 14 and/or Executive Order 49 are applicable, they are deemed to be incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency or DAS shall provide a copy of these orders to the Contractor.

VIII. AMENDMENTS. Either the DEEP or the Districts may recommend revisions to this Agreement as circumstances may warrant; however, any revisions must be upon mutual agreement of DEEP and all five Conservation Districts. Unless otherwise stated in this Agreement, formal written amendment is required for changes to any of the terms and conditions specifically stated in the Agreement, any prior amendments to the Agreement, and any other Agreement revisions determined

material by the Department.

- IX. SEVERABILITY.** The provisions of this Agreement are severable. If any part of it is found unenforceable, all other provisions shall remain fully valid and enforceable, unless the unenforceable provision is an essential element of the bargain.
- X. SOVEREIGN IMMUNITY.** The Parties acknowledge and agree that nothing in the Agreement shall be construed as a modification, compromise or waiver by the State of Connecticut (“State”) of any rights or defenses of any immunities provided by federal law or the laws of the State of Connecticut to the State or any of the State’s, which they may have had, now have or shall have with respect to all matters arising out of the Agreement. To the extent that this section conflicts with any other section, this section shall govern.
- XI. FORUM AND CHOICE OF LAW.** The Agreement shall be deemed to have been made in the City of Hartford, State of Connecticut. Both Parties agree that it is fair and reasonable for the validity and construction of the Agreement to be, and it shall be, governed by the laws and court decisions of the State of Connecticut, without giving effect to its principles of conflicts of laws. To the extent that any immunities provided by federal law or the laws of the State of Connecticut do not bar an action against the State or the Districts, and to the extent that these courts are courts of competent jurisdiction, for the purpose of venue, the complaint shall be made returnable to the Judicial District of Hartford only or shall be brought in the United States District Court for the District of Connecticut only, and shall not be transferred to any other court, provided, however, that nothing here constitutes a waiver or compromise of the sovereign immunity of the State of Connecticut. The Districts waive any objection which they may now have or shall have to the laying of venue of any Claims in any forum and further irrevocably submits to such jurisdiction in any suit, action or proceeding.
- XII. TERMINATION.** Notwithstanding any provisions in this Agreement, DEEP, through a duly authorized employee, may terminate the Agreement whenever the Department makes a written determination that such Termination is in the best interests of the State. The Department shall notify the Districts in writing sent by certified mail, return receipt requested, which notice shall specify the effective date of Termination and the extent to which the Districts must complete its Performance under the Agreement prior to such date; or (b) The Districts may terminate the Agreement for good cause. The Districts shall notify DEEP by written notice at least one hundred eighty (180) days prior to the effective date of termination. In order for the Districts to terminate this Agreement, (1) there must be a consensus between all five Conservation Districts that each District shall be terminating this Agreement with the DEEP; (2) such proof of consensus shall be submitted to the DEEP in the form of a letter signed by the duly authorized agent for each District by certified mail, return receipt requested, at least one hundred eighty (180) days prior to the Districts’ intention to cancel or terminate. Upon the Termination of this Agreement by either Party, the Districts shall deliver to the Department copies of all Records no later than thirty (30) days after the Termination of the Agreement, or fifteen (15) days after the Non-terminating Party receives a written request from the Terminating Party for the Records. The Districts shall deliver those Records that exist in electronic, magnetic or other intangible form in a non-proprietary format, such as, but not limited to, PDF, ASCII or .TXT. Upon receipt of a written notice of Termination from the Department, the Districts shall cease operations as the Department directs in the notice, and take all actions that are necessary or appropriate, or that the Department may reasonably direct, for the protection, and preservation of records. Except for any work which the Department directs the Districts to Perform in the notice prior to the effective date of Termination, and except as otherwise provided in the notice, the

Districts shall terminate or conclude all existing subcontracts and purchase orders and shall not enter into any further subcontracts, purchase orders or commitments. Upon Termination of the Agreement, all rights and obligations shall be null and void, so that no Party shall have any further rights or obligations to any other Party, except with respect to the sections which survive Termination. All representations, warranties, agreements and rights of the Parties under the Agreement shall survive such Termination to the extent not otherwise limited in the Agreement and without each one of them having to be specifically mentioned in the Agreement. Termination of the Agreement pursuant to this section shall not be deemed to be a breach of Agreement by the Department.

XIII. DURATION OF AGREEMENT. This Agreement shall be effective on January 1, 2019 or on the date of the last signature below, whichever is later, and shall continue in force unless canceled or terminated by either party in accordance with paragraph X above.

XIV. VOID AB INITIO. Notwithstanding paragraphs X and XI, the Agreement shall be void ab initio if, in the Commissioner's sole discretion, the Construction General Permit is reissued, revoked or modified to eliminate the need for the Districts to review the SWPCP pursuant to such general permit's terms and conditions or if the Construction General Permit expires and is not reissued.

XV. INTERPRETATION. The Agreement contains numerous references to statutes and regulations. For purposes of interpretation, conflict resolution and otherwise, the content of those statutes and regulations shall govern over the content of the reference in the Agreement to those statutes and regulations.

XVI. ENTIRETY OF AGREEMENT. This Agreement is the entire agreement between the Parties with respect to its subject matter, and supersedes all prior agreements, proposals, offers, counteroffers and understandings of the Parties, whether written or oral. The Agreement has been entered into after full investigation, neither Party relying upon any statement or representation by the other unless such statement or representation is specifically embodied in the Agreement.

XVII. PROTECTION OF STATE CONFIDENTIAL INFORMATION

- A. The Districts or District Parties, at their own expense, have a duty to and shall protect from a Confidential Information Breach any and all Confidential Information which they come to possess or control, wherever and however stored or maintained, in a commercially reasonable manner in accordance with current industry standards.
- B. Each District or District Party shall develop, implement and maintain a comprehensive data-security program for the protection of Confidential Information. The safeguards contained in such program shall be consistent with and comply with the safeguards for protection of Confidential Information, and information of a similar character, as set forth in all applicable federal and state law and written policy of the Department or State concerning the confidentiality of Confidential Information. Such data-security program shall include, but not be limited to, the following:
 - 1. A security policy for employees related to the storage, access and transportation of data containing Confidential Information;

2. Reasonable restrictions on access to records containing Confidential Information, including access to any locked storage where such records are kept;
 3. A process for reviewing policies and security measures at least annually;
 4. Creating secure access controls to Confidential Information, including but not limited to passwords; and
 5. Encrypting of Confidential Information that is stored on laptops, portable devices or being transmitted electronically.
- C. The District and District Parties shall notify the Department and the Connecticut Office of the Attorney General as soon as practical, but no later than twenty-four (24) hours, after they become aware of or suspect that any Confidential Information which Parties have come to possess or control has been subject to a Confidential Information Breach. If a Confidential Information Breach has occurred, the District shall, within three (3) business days after the notification, present a credit monitoring and protection plan to the Commissioner of Administrative Services, the Department and the Connecticut Office of the Attorney General, for review and approval. Such credit monitoring or protection plan shall be made available by the District at its own cost and expense to all individuals affected by the Confidential Information Breach. Such credit monitoring or protection plan shall include, but is not limited to, reimbursement for the cost of placing and lifting one (1) security freeze per credit file pursuant to Connecticut General Statutes §36a-701a. Such credit monitoring or protection plans shall be approved by the State in accordance with this Section and shall cover a length of time commensurate with the circumstances of the Confidential Information Breach. The District's costs and expenses for the credit monitoring and protection plan shall not be recoverable from the Department, any State of Connecticut entity or any affected individuals.
- D. The District shall incorporate the requirements of this Section in all subAgreements requiring each District Party to safeguard Confidential Information in the same manner as provided for in this Section.
- E. Nothing in this Section shall supersede in any manner the District's and/ or the District Parties' obligations pursuant to HIPAA or the provisions of this Agreement concerning the obligations of the District as a Business Associate of the Department.

XVIII. AMERICANS WITH DISABILITIES ACT. The Districts shall be and remain in compliance with the Americans with Disabilities Act of 1990 ("Act"), to the extent applicable, during the term of the Agreement. The DEEP may cancel the Agreement if the District and District Parties fail to comply with the Act.

XIX. ADA PUBLICATION STATEMENT. The following statement shall be incorporated into all publications prepared under the terms of this Agreement:

"The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). Please contact us at (860) 418-5910 or deep.accommodations@ct.gov if you: have a disability and need a communication aid or service;

have limited proficiency in English and may need information in another language; or if you wish to file an ADA or Title VI discrimination complaint.”

When advertising any public meetings conducted under the terms of this Agreement, the above publications language should be used as well as the following statement:

“Requests for accommodations must be made at least two weeks prior to the program date.”

All videos produced under the terms of this Agreement must be made available with closed captioning.

XX. PUBLICATION OF MATERIALS. The District must obtain written approval from the State of Connecticut prior to distribution or publication of any printed material prepared under the terms of this Agreement. Unless specifically authorized in writing by the State, on a case by case basis, the District shall have no right to use, and shall not use, the name of the State of Connecticut, its officials, agencies, or employees or the seal of the State of Connecticut or its agencies: (1) in any advertising, publicity, promotion; or (2) to express or to imply any endorsement of District’s products or services; or (3) to use the name of the State of Connecticut, its officials agencies, or employees or the seal of the State of Connecticut or its agencies in any other manner (whether or not similar to uses prohibited by (1) and (2) above), except only to manufacture and deliver in accordance with this Agreement such items as are hereby contracted for by the State. In no event may the Districts use the State Seal in any way without the express written consent of the Secretary of State.

XXI. CHANGES IN PRINCIPAL PROJECT STAFF. Any changes in the principal project staff must be requested in writing and approved in writing by the Commissioner at the Commissioner’s sole discretion. In the event of any unapproved change in principal project staff, the Commissioner may, in the Commissioner’s sole discretion, terminate this Agreement.

XXII. FURTHER ASSURANCES. The Parties shall provide such information, execute and deliver any instruments and documents and take such other actions as may be necessary or reasonably requested by the other Party which are not inconsistent with the provisions of this Agreement and which do not involve the vesting of rights or assumption of obligations other than those provided for in the Agreement, in order to give full effect to the Agreement and to carry out the intent of the Agreement.

XXIII. ASSIGNMENT. The Districts shall not assign any of their rights or obligations under the Agreement, voluntarily or otherwise, in any manner without the prior written consent of the Department. The Department may void any purported assignment in violation of this section and declare the District in breach of this Agreement. Any termination by the Department for a breach is without prejudice to the Agency’s or the State’s rights or possible Claims.

XXIV. EXHIBITS. All exhibits referred to in, and attached to, this Agreement are incorporated in this Agreement by such reference and shall be deemed to be a part of it as if they had been fully set forth in it.

XXV. FORCE MAJEUR. Events that materially affect the cost of the Goods or Services or the time schedule within which to Perform and are outside the control of the party asserting that such an event has occurred, including, but not limited to, labor troubles unrelated to District(s), failure of or inadequate permanent power, unavoidable casualties, fire not caused by a District, extraordinary

weather conditions, disasters, riots, acts of God, insurrection or war.

XXVI. INDEMNIFICATION. The Districts shall indemnify, defend and hold harmless the State and its officers, representatives, agents, servants, employees, successors and assigns from and against any and all (1) Claims arising, directly or indirectly, in connection with the Agreement, including the acts of commission or omission (collectively, the "Acts") of the District or District Parties; and (2) liabilities, damages, losses, costs and expenses, including but not limited to, attorneys' and other professionals' fees, arising, directly or indirectly, in connection with Claims, Acts or the Agreement. The Districts obligations under this section to indemnify, defend and hold harmless against Claims includes Claims concerning confidentiality of any part of or all of the Districts' Records, any intellectual property rights, other proprietary rights of any person or entity, copyrighted or uncopyrighted compositions, secret processes, patented or unpatented inventions, articles or appliances furnished or used in the Performance. The Districts shall not be responsible for indemnifying or holding the State harmless from any liability arising due to the gross negligence of the State or any other person or entity acting under the direct control or supervision of the State. The Districts shall reimburse the State for any and all damages to the real or personal property of the State caused by the Acts of the Districts or any District Parties. The State shall give the Districts reasonable notice of any such Claims. The Districts shall carry and maintain at all times during the term of the Agreement, and during the time that any provisions survive the term of the Agreement, sufficient general liability insurance to satisfy its obligations under this Agreement. The Districts shall name the State as an additional insured on the policy and shall provide a copy of the policy to the Department prior to the effective date of the Agreement. The Districts shall not begin Performance until the delivery of the policy to the Department. The Department shall be entitled to recover under the insurance policy even if a body of competent jurisdiction determines that the Department or the State is contributorily negligent. This section shall survive the Termination of the Agreement and shall not be limited by reason of any insurance coverage.

XXVII. DISTRICT PARTIES. A District's members, directors, officers, shareholders, partners, managers, principal officers, representatives, agents, servants, consultants, employees or any one of them or any other person or entity with whom the District is in privity of oral or written contract and the District intends for such other person or entity to Perform under the Agreement in any capacity

Exhibit 1

Fee Schedule effective as of January 1, 2019

The Districts will be paid \$120/hour for technical assistance work performed. Interim inspections must be estimated based on phasing and complexity of site.

Down payments:

\$2,500 for sites \leq 20 acres

\$4,000 for sites $>$ 20 acres

Exhibit 2

Conservation Districts of Connecticut Regional Delineations and Contact Information

Northwest Conservation District
1185 New Litchfield Street
Torrington, CT 06790
Ph: 860-626-7222
Fax: 860-626-7222
Email: info@nwcd.org

Eastern Connecticut Conservation District
238 West Town Street
Norwich, CT 06360-2111
Ph: 860-319-8806
Email: Dan.Mullins@comcast.net

Connecticut River Coastal Conservation District, Inc.
deKoven House Community Center
27 Washington Street
Middletown, CT 06457
Ph: 860-346-3282
Email: ctrivercoastal@conservect.org

Southwest Conservation District
51 Mill Pond Road
Hamden, CT 06514
Ph: 203-859-7014
Email: csullivan@conservect.org

North Central Conservation District
24 Hyde Avenue
Vernon, CT 06066
Ph: 860-875-3881
Email: tollandc@snet.net

NORTHWEST	SOUTHWEST	NORTH CENTRAL	CT RIVER COASTAL	EASTERN
Barkhamsted	Ansonia	Avon	Berlin	Andover
Bethel	Beacon Falls	Bloomfield	Chester	Ashford
Bethlehem	Bethany	Bolton	Clinton	Bozrah
Bridgewater	Branford	Bristol	Colchester	Brooklyn
Brookfield	Bridgeport	Burlington	Cromwell	Canterbury
Canaan	Cheshire	Canton	Deep River	Chaplin
Colebrook	Darien	Coventry	Durham	Columbia
Cornwall	Derby	East Granby	East Haddam	Eastford
Danbury	East Haven	East Hartford	East Hampton	East Lyme
Goshen	Easton	East Windsor	Essex	Franklin
Hartland	Fairfield	Ellington	Haddam	Griswold
Harwinton	Greenwich	Enfield	Hebron	Groton
Kent	Guilford	Farmington	Killingworth	Hampton
Litchfield	Hamden	Glastonbury	Lyme	Killingly
Morris	Meriden	Granby	Madison	Lebanon
New Fairfield	Middlebury	Hartford	Marlborough	Ledyard
New Hartford	Milford	Manchester	Middlefield	Lisbon
New Milford	Monroe	Plainville	Middletown	Mansfield
Newtown	Naugatuck	Simsbury	Newington	Montville
Norfolk	New Canaan	Somers	New Britain	New
North Canaan	New Haven	South Windsor	Old Lyme	London
Plymouth	North Branford	Stafford	Old Saybrook	North
Roxbury	North Haven	Suffield	Portland	Stonington
Salisbury	Norwalk	Tolland	Rocky Hill	Norwich
Sharon	Orange	Vernon	Salem	Plainfield
Sherman	Oxford	West Hartford	Westbrook	Pomfret
Southbury	Prospect	Wethersfield		Preston
Thomaston	Redding	Willington		Putnam
Torrington	Ridgefield	Windsor		Scotland
Warren	Seymour	Windsor Locks		Sprague
Washington	Shelton			Sterling
Watertown	Southington			Stonington
Winchester	Stamford			Thompson
Woodbury	Stratford			Union
	Trumbull			Voluntown
	Wallingford			Waterford
	Waterbury			Windham
	West Haven			Woodstock
	Weston			
	Westport			
	Wilton			
	Wolcott			
	Woodbridge			

APPENDIX G

Historic Preservation Review

Chapter 184a, Section 10-387 of the Connecticut General Statutes states that DEEP shall review, in consultation with the State Historic Preservation Office (SHPO) within the Department of Economic and Community Development, its policies and practices for consistency with the preservation and study of the state's archaeological and historical sites. Pursuant to this requirement, DEEP has outlined the following process for assessing the potential for a proposed development to impact these important resources. DEEP advises a review for resources identified below to *be initiated up to one year* prior to registration for this permit and in conjunction with the local project approval process.

Question 1

Will the proposed project will be authorized under an Army Corps of Engineers Section 404 wetland permit?

- Yes – Stop here – the Section 404 permit will satisfy all requirements for Appendix G
 No – Please answer the following questions

Question 2

Is the project site within an area of significance?

- Yes No Do Not Know or Unable to Determine

This can be determined by consulting the following resources:

1. National Register of Historic Places found at the link below:
<https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>
2. The municipality of the proposed development site for locally designated properties (including local historic districts) and any municipal ordinance pertaining to properties over 50 years old.

Question 3

Does the area of anticipated construction or ground disturbance include soils defined by the United States Department of Agriculture as "Loam, Sandy Loam, or Loamy Sand" that also may be Fine or Gravelly with slopes less than or equal to 15% (Soil mapping information is available at: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>)?

- Yes No Do Not Know or Unable to Determine

Question 4

Are there buildings or structures over 50 years in age within the project site or evidence of prior human land use (i.e., buildings foundations, wells, stone walls, or other built stone features)?

- Yes No Do Not Know or Unable to Determine

How to Proceed

If you answered "Yes" or "Do Not Know or Unable to Determine" to any or all of Questions 2, 3, or 4 above; please contact Catherine Labadia at SHPO for additional guidance (email: catherine.labadia@ct.gov or direct phone: 860-500-2329).

If you answered "No" to each one of Questions 2, 3, or 4 above; report in the Registration Form for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities that a self-review has been conducted and report the results provided above.

Appendix H Wild & Scenic Rivers Guidance

Overview: Wild and Scenic Rivers Act

The Wild and Scenic Rivers Act (WSRA) charges administration of rivers in the National Wild and Scenic Rivers System (National System) to four federal land management agencies (Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, and U.S. Forest Service). However, to protect and enhance river values as directed in the WSRA, it is essential to use the authorities of a number of other federal agencies in administering the water column, river bed/bank, and upland river corridor.

Congress declared a policy to protect selected rivers in the nation through the WSRA. The river-administering agencies are to protect the river’s identified values, free-flowing condition, and associated water quality. Specifically, each component is to be “administered in such manner as to protect and enhance the (outstandingly remarkable) values (**ORVs**) which caused it to be included in said system. . . .”

The WSRA also directs other federal agencies to protect river values. It explicitly recognizes the Federal Energy Regulatory Commission, Environmental Protection Agency, Army Corps of Engineers and any other federal department or agency with lands on or adjacent to designated (or congressionally authorized study) rivers or that permit or assist in the construction of water resources projects.

Pertinent Sections of the Wild and Scenic Rivers Act

The full Wild and Scenic Rivers Act can be found at the website: www.rivers.gov

Pertinent Sections related to the mandate to protect river values through coordinated federal actions is found in several sections of the WSRA:

Section 1(b)	Section 7(a)	Section 10(a)
Section 12(a)	Section 12(c)	

Designated Rivers under the Wild and Scenic Rivers Act and Contact Information

The full listing of designated rivers can be found on the website www.rivers.gov

As of the date of this publication, there are two designated rivers in Connecticut, both of which are managed under the Partnership Wild and Scenic Rivers Program, through a Coordinating Committee consisting of representatives from local communities and organizations, state government and the National Park Service. More information about these rivers, their watersheds, approved management plans, the Wild and Scenic Coordinating Committees and specific contact information can be found on the websites.

1. Farmington (West Branch) River: farmingtonriver.org
2. Farmington (Lower) & Salmon Brook: lowerfarmingtonriver.org
3. Eightmile River: eightmileriver.org
4. Wood & Pawcatuck Rivers: wpwildrivers.org

APPENDIX I
Stormwater Management at
Solar Array Construction Projects

Solar development has expanded over the last several years as Connecticut and other states have invested in this important resource to further greenhouse gas emission reductions and other renewable policy objectives. However, construction of a large-scale solar array is unlike most other construction activities regulated under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (“general permit”) and entails challenges not encountered in traditional development projects. If not properly managed, stormwater discharged during and after the construction of solar arrays can be a significant source of pollution resulting from increased runoff, erosion, and sedimentation, which can adversely impact wetlands or other natural resources. It is vitally important to stabilize soil, minimize soil disturbance and soil compaction, and manage the total runoff volume and velocity. Proper stormwater management practices can significantly mitigate the loss of topsoil, erosion and sediment discharges from disturbed areas and stormwater outlets, and erosion along downstream channels and streambanks. The opportunities to properly manage runoff decrease as site imperviousness increases.

Therefore, in addition to the terms and conditions of the general permit, registrations for construction of a Solar Array (as that term is defined in Section 2 of the general permit) shall, at a minimum, adhere to the conditions listed below. Depending on site-specific conditions for a particular solar array construction project, additional analyses may be required.

(I) Design and construction requirements

- (1) Roadways, gravel surfaces and transformer pads within the solar array are considered effective impervious cover for the purposes of calculating Water Quality Volume (WQV). In addition to these impervious surfaces, all solar panels in the array shall also be considered effective impervious cover for the purposes of calculating Water Quality Volume if the proposed post-construction slopes at a site are equal to or greater than 15% or if the post-construction slopes at a site are less than 15% and the conditions in (a) – (d), inclusive, below have not been met:
 - (a) The vegetated area receiving runoff between rows of solar panels (see Figures 1 and 2, below) is equal to or greater than the average width of the row of solar panels draining to the vegetated area;
 - (b) Overall site conditions and solar panel configuration within the array are designed and constructed such that stormwater runoff remains as sheet flow across the entire site and flows towards the intended stormwater management controls;
 - (c) The following conditions are satisfied regarding the design of the post-construction slope of the site:
 - (i) For slopes less than or equal to 5%, appropriate vegetation shall be established that will ensure sheet flow conditions and that will provide sufficient ground cover throughout the site; and
 - (ii) For slopes greater than 5%, but less than 10%, practices including, but not limited to, level spreaders, terraces or berms as described in Figure 2, below, shall be used to ensure long term sheet flow conditions; and
 - (iii) For slopes greater than or equal to 8%, erosion control blankets or stump grindings or erosion control mix mulch or hydroseed with tackifier shall be applied within 72 hours of final grading, or when a rainfall of 0.5 inches or greater is predicted within 24 hours of final grading, whichever time period is less; and
 - (iv) For slopes equal to or greater than 10% and less than 15%, the Plan includes specific engineered stormwater control measures with detailed specifications that are designed to provide permanent stabilization and non-erosive conveyance of runoff to the property line of the site or downgradient from the site.
 - (d) The solar panels shall be designed and constructed in such a manner as to allow the growth of native

vegetation beneath and between the panels. Pollinator-friendly vegetation is strongly encouraged. With respect to such vegetation, the Permittee shall not use chemical fertilization, herbicides, or pesticides except as necessary to establish such vegetation.

- (2) (a) Prior to commencing construction activities, the Permittee shall ensure that the following setback and buffer shall be delineated and maintained on the site:
- (i) No solar panel associated with a solar array shall be located within one-hundred (100) feet of any wetland or waters (“the 100-foot setback”) that, prior to or after construction, is located downgradient of such construction activity or within fifty (50) feet of any property boundary (“the 50-foot setback”) that, prior to or after construction, is located downgradient of such construction activity; and
 - (ii) Except as provided in section 2(a)(iii), there shall be an undisturbed buffer of at least fifty (50) feet between any construction activity at a site and any wetland or waters that, prior to or after construction, is located downgradient of such construction activity (“the 50-foot buffer”). Such buffer shall be comprised of existing dense herbaceous vegetative ground cover (e.g. not forested area). If the entirety of such buffer is not comprised of existing dense herbaceous vegetative ground cover, such buffer shall be at least one-hundred (100) feet (“the 100-foot buffer”).
 - (iii) There shall be an undisturbed buffer of at least ten (10) feet between any construction activity at a site associated with an access road or the electrical interconnection necessary for the solar array and any wetland or waters that, prior to or after construction, is located downgradient of such construction activity (“10-foot buffer”), except if the access road or electrical interconnection passes between two wetland or waters and the undisturbed buffer cannot be achieved. Any crossing through a wetland or waters for an access road or electrical interconnection is exempt from such buffer requirement.
- (b) Notwithstanding section 2(a)(ii), the 50-foot buffer or 100-foot buffer, as applicable, may be reduced, only where necessary, but by no more than fifty percent (50%), only if all of the following have been demonstrated to the satisfaction of the commissioner by approval of a Registration:
- (i) Stormwater control measures for managing stormwater discharges that will enter or be received by a wetland or waters shall be designed and installed in accordance with the following conditions:
 - (A) a minimum sediment load reduction of ninety percent (90%) shall be achieved before such discharges enter or are received by a wetland or waters. The required sediment load reduction shall be calculated based solely on the stormwater controls used; no sediment load reduction from conditions on the site (i.e., from any remaining buffer) shall be considered when calculating the sediment load reduction from such stormwater controls. The sediment load reduction may be calculated using a range of available models that are available to facilitate this calculation, including USDA’s RUSLE-series programs and the WEPP erosion model, SEDCAD, SEDIMOT, or other equivalent independent third party model or method acceptable to the commissioner;
 - (B) those portions of a solar array from which stormwater discharges enter or will be received by a wetland or waters shall be deemed effective impervious cover for the purposes of calculating Stream Channel Protection in accordance with Section 7.6.1 of the Stormwater Quality Manual, even if those portions of such array are less than one (1) acre; and
 - (C) the buffer into which stormwater discharges shall have a slope of less than or equal to fifteen percent (15%)
 - (c) A soil scientist, as that term is defined in Section 2 of the general permit, shall delineate all wetland or waters by field survey. The location of all wetland or waters and all required setbacks and buffers shall be shown on all mapping and prior to the start of construction be clearly marked on the site with flags, stakes, tape, or a similar marking device by a surveyor licensed in Connecticut.

- (d) Delineation of the 100-foot setback and any buffer required under this section shall be measured perpendicularly and laterally from the nearest part of the solar array or construction activity, as applicable, to:
 - (i) in the case of waters, the ordinary high water mark of the water body, defined as the line on the shore established by fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, and/or the presence of litter and debris;
 - (ii) the nearest edge of the stream or river bank, bluff, or cliff, as applicable; and
 - (iii) the nearest edge of any wetland, as determined by a soil scientist.
 - (e) The Plan shall indicate how compliance with this section will be achieved.
 - (f) Prior to the approval of a registration, the commissioner may determine that the 100 foot-setback or any buffer required under this section is not adequate to protect water quality or natural resources (i.e., a vernal pool, cold-water perennial streams, perennial headwater seeps or similar sensitive wetland or waters, or other sensitive habitat). In such a case, the commissioner may reject or disapprove the registration, or may impose additional terms and conditions in the approval of such registration, including, but not limited to, an additional setback, buffer or other control measure.
 - (g) Nothing in this section is intended to or shall prevent improvements, as may be directed by the commissioner in the approval of a registration, to enhance the water quality benefits or the natural resource value of any buffer required under this section.
 - (h) The terms “wetland”, “wetlands”, and “waters” shall be as defined in Section 2 of the general permit. In addition, the term “access road” shall mean a road used for the sole purpose of gaining access to the site from a public road or right-of-way or a road used solely to provide access between separate internal areas of fenced solar arrays. Access road shall *not* include any other road, including, but not limited to, a road around the perimeter of a solar array or a road used to service solar arrays.
- (3) The lowest vertical clearance of the solar panels above the ground should not be greater than ten (10) feet. The panels shall, however, be at an adequate height to support vegetative growth and maintenance beneath and between the panels. If the lowest vertical clearance of the solar panels above the ground is greater than ten (10) feet, non-vegetative control measures will be required to prevent/control erosion and scour along the drip line or otherwise provide energy dissipation from water running off the panels. This section does not apply to solar carports that are installed over asphalt pavement.
- (4) In addition to the pre-construction meeting required by Section 3(b)(15) of the general permit, prior to each phase of any construction activity, the Permittee shall ensure that a preconstruction meeting takes place with the designing qualified professional, qualified inspector, and all site contractors and subcontractors to be involved in construction, and the appropriate District personnel. Such meeting shall include a site walk of the project site. The Permittee shall ensure that a record of the date of such meeting and a report summarizing the meeting shall be prepared and retained in the Permittee’s Plan, with a copy sent to all parties who attended the preconstruction meeting.
- (5) (a) The Permittee shall retain the designing qualified professional and a qualified inspector (as those terms are defined in Section (2)) to conduct the Plan Implementation and Routine inspections pursuant to Section 5(b)(4), provided that any qualified inspector shall be chosen by the designing qualified professional. Unless otherwise approved in writing by the Commissioner, such designing qualified professional and qualified inspector shall be retained for the duration of the construction project until the Notice of Termination has been submitted to the Commissioner and determined to be acceptable, as described below in paragraph (8) below.
- (b) Plan Implementation Inspections: Notwithstanding the schedule of inspections set forth in Section 5(b)(4) of the general permit, the Permittee shall ensure that the designing qualified professional and the qualified

inspector chosen by such designing qualified professional conduct Plan Implementation Inspections beginning with the commencement of construction activities and through each phase of construction until all perimeter controls, initial erosion and sediment control measures, and construction stormwater traps, basins, swales, and other control measures associated with each phase have been installed and stabilized. In addition, once all of these measures have been installed and stabilized, the Permittee shall ensure that the designing qualified professional certifies in writing to their completion in the applicable inspection report in accordance with the Plan. The Permittee shall ensure that the designing qualified professional conducts a Plan Implementation Inspection of the site at least once a month and the qualified inspector chosen by such designing qualified professional conducts such inspection at least once a week. (The qualified inspector does not need to conduct a weekly inspection during the week the qualified designing professional conducts a monthly inspection).

- (c) Routine Inspections: Following the completion of the Plan Implementation Inspections (i.e., after the designing qualified professional has certified that stormwater control measures have been installed and stabilized) and notwithstanding the requirements of Section 5(b)(4)(B) of the general permit, either the designing qualified professional or the qualified inspector shall conduct weekly Routine Inspections pursuant to Section 5(b)(4)(B) of the general permit, provided that the designing qualified professional shall inspect the site at least once a month, or more frequently if necessary, to confirm that the site is in compliance with the general permit and determine if it is necessary to install, modify, maintain, or repair such controls and/or measures to improve the quality of stormwater discharges.
 - (d) In addition to any requirements of Section 5(b)(4)(B) of the general permit, the designing qualified professional shall seal and certify to the truth and accuracy of each inspection undertaken pursuant to this section regardless of whether the inspection is performed by such designing qualified professional or the qualified inspector. On or before five (5) days after the completion of each inspection, the Permittee shall ensure that certified inspection reports of all inspections undertaken pursuant to this section are provided by the designing qualified professional directly to the Permittee and shall ensure that a copy of the certified inspection report of each such inspection is provided to the appropriate District personnel and submitted electronically to the Department via email at DEEP.stormwaterstaff@ct.gov.
 - (e) Unless otherwise provided for in this section, the Permittee shall comply with section 5(b)(4) of the general permit, including, but not limited to, taking action if an inspection indicates that the site is not in compliance with the terms and conditions of the Plan or the general permit.
 - (f) The Permittee shall also ensure that the proposed inspection checklist prepared by the designing qualified professional is submitted for the review and approval of the Commissioner and is included with the registration for the general permit. No other professionals may serve as the designing qualified professional or qualified inspector without the prior submittal of relevant credentials and inspection checklist for the Commissioner's review and written approval.
- (6) In addition to the requirements of this general permit regarding inspection checklists, the Permittee shall ensure that a copy of all such checklists are submitted electronically to the Department email (DEEP.stormwaterstaff@ct.gov) and the appropriate District within five (5) days from the date an inspection of the site was performed.
- (7) The Permittee shall ensure, after completion of a construction project, that a Notice of Termination is filed in compliance with Section 6 of this general permit, including the requirement that such Notice of Termination be signed by a District representative certifying that such District representative has personally conducted a Post-Construction Inspection and Final Stabilization Inspection in accordance with Section 6(a) of this general permit and verified compliance with the requirements of that section. The Notice of Termination shall not be submitted until two (2) full growing seasons have passed following final stabilization. Monthly post-construction inspections shall be conducted by the qualified inspector following final stabilization until the Notice of Termination is submitted.
- (8) (a) Prior to undertaking any construction activity, the Permittee shall secure and maintain a letter of credit in

accordance with the requirements of this section.

- (b) For sites with a total disturbance of twenty (20) acres or more, the amount of the Letter of Credit shall be \$15,000.00 per acre of disturbance. For sites with a total disturbance of less than twenty (20) acres, the amount of the Letter of Credit shall be \$7,500.00 per acre of disturbance. Should a project developer locate more than one project with a total disturbance of less than twenty (20) acres in the same vicinity, for purposes of this section, the Commissioner reserves the right to combine such projects and consider them as being a site with a total disturbance of twenty (20) acres or more.
- (c) The wording of such letter of credit must be identical to the wording specified in Appendix J of the general permit. The Permittee shall maintain such letter of credit in effect until the Commissioner notifies the permittee that the Notice of Termination, filed in compliance with Section 6 of the general permit has been accepted by the Commissioner.
- (d) At the option of the Permittee, the amount of the letter of credit required under section 8(b) of Appendix I may be reduced:
 - (i) By forty (40) percent of the amount of the original letter of credit, only upon a determination by the Commissioner or, after designation of a District by the Commissioner, a representative from such District, that all perimeter controls, initial erosion and sediment control measures, and construction stormwater traps, basins, swales, and other control measures have been installed, functioning and stabilized in accordance with the general permit and the Plan;
 - (ii) By forty (40) percent of the amount of the original letter of credit, only upon a determination by the Commissioner or, after designation of a District by the Commissioner, a representative from such District, that all post-construction stormwater management measures specified in the SWPCP have been installed, functioning and stabilized in accordance with the general permit and the Plan; and
 - (iii) Upon the Commissioner's acceptance of the Notice of Termination filed in compliance with Section 6 of the general permit, the letter of credit may be terminated.
- (e) The process for reducing the amount of the letter of credit in accordance with section 8(d) of Appendix I shall be as follows: the Permittee shall first submit a new letter of credit identical in all respects to the letter of credit in Appendix J, except for the reduced amount. Once the new letter of credit is received and the Commissioner determines that it is satisfactory, the Commissioner shall follow any reasonable instructions from the issuing bank regarding the termination or return of the previous letter of credit.

II. Design requirements for post-construction stormwater management measures.

- (1) Post-construction stormwater control measures shall be designed and constructed to provide permanent stabilization and non-erosive conveyance of runoff on the site, to the property line of the site or downgradient from the site to ensure protection of on- and off-site wetland, wetlands, and waters (as those terms are defined in Section 2 of the general permit) or other natural resources.
- (2) Orientation of panels shall be considered with respect to drainage pattern, flow concentration, drainage area and velocity.
- (3) The permittee shall conduct a hydrologic analysis that:
 - (a) Evaluates and controls the 2, 25, 50 and 100-year 24-hour rainfall event post-development peak discharge to the corresponding pre-development peak discharge rates in accordance with the Stormwater Quality Manual, with the following exceptions: that sheet flow is maintained for a maximum length of 100 feet; shallow concentrated flow is calculated using velocity factors per NRCS Part 630 National Engineering Handbook Chapter 15 (the use of TR-55 paved or unpaved velocity factors are not acceptable); if swales are used to convey or control stormwater, such swales shall convey and control stormwater from a 100-year, 24-hour

rainfall event; and

- (b) Is based on site specific soil mapping to confirm soil types; and
- (c) Is able to determine and confirm the infiltrative capacity of any stormwater management measures . In addition, in areas where grading exceeds a two (2) foot difference between existing and proposed grades, the runoff curve number shall increase by one full HSG (e.g. runoff curve number for soils of HSG B shall be considered HSB C). For the remainder of the entire site, the runoff curve number associated with the Hydrologic Soil Group present on-site shall increase by one half (1/2) the difference between the Hydrologic Soil Group present on-site and the next higher Hydrologic Soil Group (e.g. half the difference between the runoff curve number for HSG B versus HSG C) to account for the compaction of soils that results from extensive machinery traffic over the course of the construction of the array; and
- (d) Is based on slope gradient, surveyed soil type (adjusted per subparagraph (c), above), infiltration rate, length of slope, occurrence of bedrock, and change in drainage patterns. Pre- and post-development drainage area maps shall be provided showing this information; and
- (e) For an engineered stormwater management system, demonstrates no net increase in peak flows, erosive velocities or volumes, or adverse impacts to downstream properties in accordance with the general permit and the Stormwater Quality Manual.

Figure 1
Solar Panel Installation with Slopes $\leq 5\%$

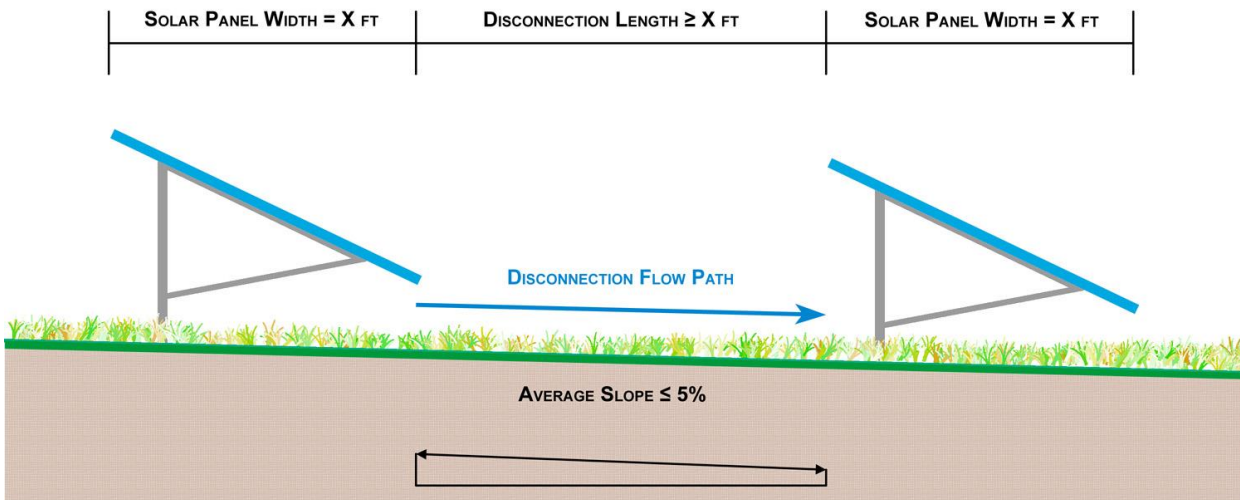
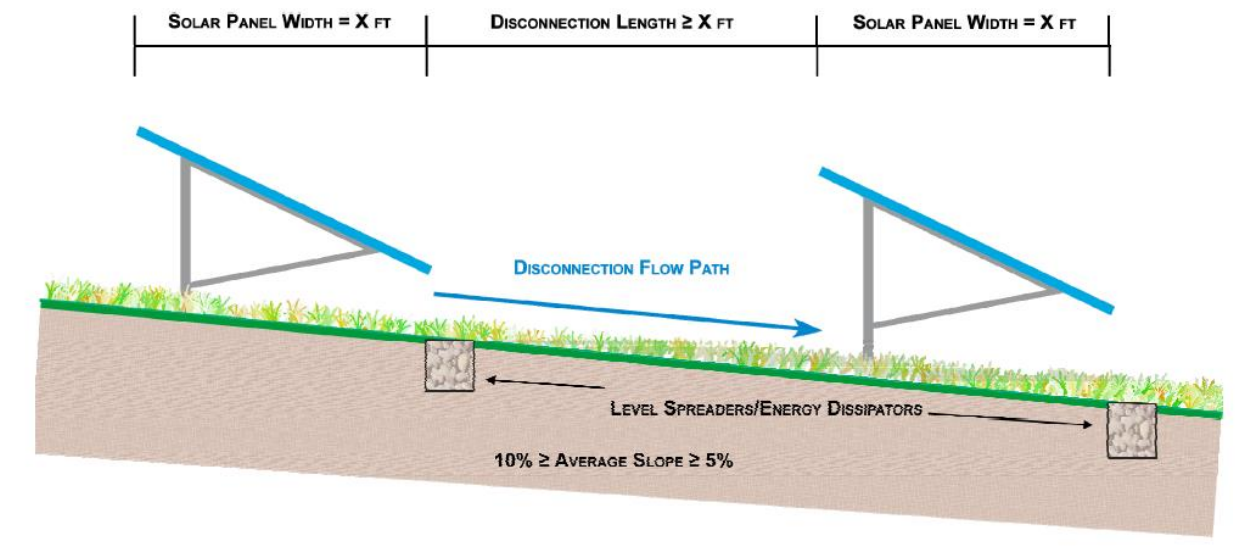


Figure 2
Solar Panel Installation with Slopes $> 5\%$ and $\leq 10\%$



Source: Maryland Department of the Environment: Stormwater Design Guidance – Solar Panel Installations

APPENDIX J
CTDEEP Financial Assurance Irrevocable Letter of Credit

[NAME OF ISSUING BANK]

IRREVOCABLE STANDBY LETTER OF CREDIT NUMBER: [XXXX]

ISSUANCE DATE: [MONTH, DATE, YEAR]

TOTAL AMOUNT: U.S. \$[X,XXX.00]

BENEFICIARY: Commissioner, Connecticut Department of Energy and
Environmental Protection

APPLICANT: [APPLICANT NAME AND ADDRESS]

Commissioner
Connecticut Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Dear Sir or Madam:

We hereby establish our Irrevocable Standby Letter of Credit No. [XXXX] in your favor, at the request and for the account of the Applicant, [APPLICANT NAME AND ADDRESS], up to the aggregate total amount of [XXX] U.S. Dollars (\$[X,XXX].00). We hereby authorize the Commissioner of the Connecticut Department of Energy and Environmental Protection (“Commissioner”) to draw at sight on us, [NAME AND ADDRESS OF ISSUING BANK], an aggregate amount up to the total amount, available upon presentation of:

- (1) your sight draft, bearing reference to this Letter of Credit No. [XXXX], and
- (2) your signed, dated statement reading as follows: “I certify that the amount of the draft is payable because I have determined one or more of the following has occurred or is occurring:
 - (a) one or more violations of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities issued by the Commissioner and which is currently in effect, or one or more violations of any other requirement or approval applicable to the management of stormwater at or emanating from [ADDRESS OF SITE] (“the Property”), or
 - (b) stormwater at or emanating from the Property is or has become a potential source of pollution (as that term is defined in Conn. Gen. Stat. § 22a-423) which has not been

remedied to my satisfaction within five (5) business days of the Applicant's receipt of a written notice from me that a pollution condition exists, or

(c) the Applicant, or any other entity in which the Applicant has a controlling interest, no longer owns, leases, or can control the use of the Property, or no longer owns, operates, or has a controlling interest in the solar array facility located at the Property, or

(d) the issuing bank has notified me that it has decided not to extend this letter of credit beyond the current expiration date."

This letter of credit is effective as of [MONTH, DATE, YEAR] and shall expire on [MONTH, DATE, YEAR AT LEAST ONE YEAR LATER], but such expiration date shall be automatically extended for a period of one year and on each successive expiration date, unless, at least 120 days before the current expiration date, we notify both you and Applicant, [APPLICANT NAME], by certified mail or nationally recognized courier service that we have decided not to extend this letter of credit beyond the current expiration date. In the event you are so notified, any unused portion of this letter of credit shall be available upon presentation of your sight draft for 120 days after the date of receipt by you, as shown on the signed return receipts or evidence of courier delivery.

Multiple and partial draws on this letter of credit are expressly permitted, up to an aggregate amount not to exceed the total amount. Whenever this letter of credit is drawn on under and in compliance with the terms of this letter of credit, we shall duly honor such draft upon presentation to us, and we shall deposit the amount of the draft directly into a Connecticut Department of Energy and Environmental Protection dedicated account in accordance with your instructions.

All banking and other charges under this letter of credit are for the account of the Applicant.

This letter of credit is issued subject to the edition of the Uniform Customs and Practice for Documentary Credits, published and copyrighted by the International Chamber of Commerce, in effect on the date this Letter of Credit is issued.

By signing, the signatory below certifies, under penalty of law, that the issuing institution is an entity which has the authority to issue letters of credit and whose letter of credit operations are regulated and examined by a Federal or State agency.

[SIGNATURE(S) OF OFFICIAL(S) OF ISSUING INSTITUTION]

[TITLE(S) OF OFFICIAL(S) OF ISSUING INSTITUTION]

Date: [MONTH, DATE, YEAR]