

**Project: South Battery Park City Resiliency Project:
Wagner Park / Museum of Jewish Heritage
Site Work Construction Services Project
(the “Project”) Request for Proposals (“RFP”)**

Date: June 2, 2022

**RE: Addendum #4
of Pages: 64**

A) REVISIONS TO RFP:

- 1) The following revised/updated Wagner/MJH Project drawings and specification are hereby formally incorporated into the RFP’s Exhibit B-1 – Construction Documents (Project Drawings and Specifications). These revised/updated drawings and specification replace and supersede all prior versions issued with the RFP:

- **Civil Drawings – Attachment #1:** Note that the changes to the below-listed drawings are indicated via a “bubble” that circles the area of the drawings that is revised. Also note that all other Civil Drawings included in the RFP should be considered the current versions to date.

<i>C001 – Legend and Abbreviations</i>	<i>C603SE – Water and Sewer Plan 09</i>
<i>C002 – General Notes and Notes</i>	<i>C603SW – Water and Sewer Plan 10</i>
<i>C100B – Site Demolition Legend and Flag Notes</i>	<i>C811 – Sections and Details</i>
<i>C103NE – Site Demolition Plan 08</i>	<i>C821 – Sections and Details</i>
<i>C401SW – Storm Drainage Plan 01</i>	<i>C822 – Sections and Details</i>
<i>C401SE – Storm Drainage Plan 02</i>	<i>C901 – Storm Drainage Utility Profile</i>

- **Specification #331700 | Water Distribution – Attachment #2:** The revised content, compared to the content included in the version of the Specification #331700 of the RFP’s Exhibit B-1 – Construction Documents (Project Drawings and Specifications), is yellow-highlighted in this corrected version of such Specification (only one change was made, on Page 331700-8).

- 2) The following new Wagner/MJH Project civil drawings, attached hereto as Attachment #3, are hereby formally added to the RFP’s Exhibit B-1 – Construction Documents:

C857 – Tide Gate Miscellaneous Details
C858 – Tide Gate Miscellaneous Details

- 3) Revised/corrected versions of the following RFP exhibits are hereby re-issued, and are hereby formally incorporated into the RFP as replacements to the prior versions of the respective exhibits.

- **Exhibit E – Qualification Forms (Attachment #4)**
- **Exhibit G – Insurance Requirements. (Attachment #5)**

The revised language included within these exhibits are shown in yellow-highlight.

B) BPCA’S RESPONSE TO SUBSTANTIVE QUESTIONS:

The following responses (the “Responses”) are provided to questions (“Questions”) received by Battery Park City Authority (“BPCA”) by 5:00 p.m. Eastern Standard Time on May 23, 2022, in connection with its RFP for the South Battery Park City Resiliency Wagner Park Pavilion Construction Services Project (the “Project”). The Responses are provided in bold, italicized print immediately following the Questions. All capitalized terms shall have the same definitions as provided in the RFP.

- 1) The provided Civil Drawings for Site Demo work limits (starting on C101SW) call out for Removals of Existing Stone Paving, Concrete Walk, Hex Pavers, Crushed Rock Surfacing, Granite Paving, Brick

Pavers. Please provide respective Pavement Sections depicting how many inches of top course and base course require removal.

As noted in Section A – REVISIONS TO RFP (above), a revised version of Drawing C002 is provided as Attachment #1. Revisions are made to Drawing C002, Note 14 to replace “concrete pavement” with “pavers and walks,” and to Note 15 to replace “asphalt concrete pavement” with “pavers and crushed rock surfacing”. Also, “subgrade” will be revised to “subbase” in each note; for further information regarding the relevant depth dimensions, please refer to the boring logs as part of the Geotechnical Drawings.

- 2) Regarding financial information: Form B-5 requires information for 2018-2019-2020 but Exhibit D Section 1-6 calls for three (3) most recent fiscal years. Please confirm BPCA is requesting financials for 2019-2020-2021.

Yes; confirmed that BPCA is requesting Financials for the three (3) most recent calendar years: 2019, 2020, and 2021. As stated in Section A: Revisions to RFP above, a revised version of Exhibit E – Qualification Forms, is attached hereto as Attachment #1.

- 3) Can the Project Scheduler be a subcontractor?

Yes, this is permissible.

- 4) Would it be acceptable to replace Qualification Form C with a "Past Performance Questionnaire" provided to the US Army Corps of Engineers in a recent proposal.

No. All submitted Proposals must include a completed Qualification Form C.

- 5) Would BPCA sign an NDA prior to Proposer submitting a proposal, in order for the Proposer to release confidential financial statements?

No. Please refer to confidentiality practices highlighted in Section 3.9 of the RFP.

- 6) Exhibit G, Insurance Requirements, states that: "Subcontractors will also be required to obtain all other insurances listed in Section VII(B) unless otherwise approved in writing by BPCA prior to commencement of any Subcontractor's work." Where can we find Section VII (B)?

The reference to Section VII(B) in that statement is not applicable; instead, the statement should read: “Subcontractors will also be required to obtain all other insurances listed in Exhibit G, Paragraph B.” As stated in Section A – Revisions to RFP (above), a revised version of Exhibit G – Insurance Requirements is attached hereto as Attachment #2.

- 7) Insurance Requirements for Proposer: Please confirm that we can use the umbrella to get to the \$12M per occurrence required for the General Liability.

Yes, confirmed.

- 8) Please clarify how the Cost Proposal will score compared to the Technical proposal.

The Proposals will be evaluated based upon a best-value determination. The Technical Proposals will be scored first, and then only upon completion of such technical scoring will the Cost Proposals be evaluated.

- 9) Is there an available bid list for the South Battery Park City Resiliency Project: Wagner Park / Museum of Jewish Heritage Site Work Construction Services RFP?

No, there is no bid list for the project. Attendance sheets from the two (2) mandatory Wagner/Museum of Jewish Heritage Project Walk-Throughs – held on May 2, 2022 and May 19, 2022, respectively – were provided as part of Addendum #2.

- 10) Do you know if the Special Inspection and Materials Testing will be handled by the CM (HNTB) or the contract that wins this contract?

The scope of work associated with this procurement does not include special inspections or materials testing services (the “Inspections/Testing Services”). The Inspections/Testing Services, when/where required, will be addressed via a third-party consulting firm separately procured by BPCA. In certain instances, an engineer staff member of the Wagner/Museum of Jewish Heritage Project’s construction management firm will provide special inspections approvals.

- 11) Reference drawing SF-002 – Vibration monitoring – Please confirm package 2 contractor shall monitor as a minimum adjacent structures including 50 Battery Place and Museum of Jewish Heritage, other structures i.e. Battery Park Underpass, Brooklyn Battery Tunnel , NYCT No 1 Subway Tunnels

and Bowling Green Station and NYCT NO 4/5 Train Tunnels are excluded and will be provided by contractor of package 4.

Correct – only 50 Battery Place and the Museum of Jewish Heritage are required to be monitored as part of the Package 2 work.

- 12) Reference drawing SF-403 – Section A – No reinforcement detail is provided for the footing and wall, please provide missing information.
These details are in development and will be provided as part of a revised version of Drawing SF403, to be issued via a forthcoming addendum.
- 13) Reference drawing SF-403 – Sections B and C – Longitudinal reinforcement of grade beam is indicated as #2 @6” E.F. – there is no bar # 2 , common bars are # 3 , # 4 , # 5 , #6 , Etc. please advise if reinforcement should be 2 # 6 @ 6” on center E.F.
As stated in the response to Question 12 (above), these details are in development and will be provided as part of a revised version of Drawing SF403, to be issued via a forthcoming addendum.
- 14) Please provide a list of attendees for the Project Site Walk-Throughs held on May 2 and on May 19th.
The attendees list for the two (2) Wagner / MJH Project Site Walk-Throughs held on May 2, 2022 and May 19, 2022, respectively, were provided via Addendum #2 to this RFP (posted on BPCA’s website on May 20, 2022).
- 15) Ref. drawing SF403 – Sections B, C, F and G – All sections show the pile caps and concrete wall without any construction joint , Are they poured monolithically ? Is construction joint with water stop permitted so we can have two separate pours?
A construction joint with waterstop is acceptable between the upper stem and the top of the tapered section.
- 16) Ref. drawing SF303 – for buried wall area between work point WP21 through WP25, the plan refers to section F on SF404 , please confirm there is a typo because section F should apply for Conc – I Wall between WP20- WP21. Section A on drawing SF405 should apply for this area.
Correct. The Section Callout on Drawing SF303 should refer to Section A on Drawing SF405. An updated version of Drawing SF303 containing the aforementioned revision will be issued as part of a forthcoming addendum.
- 17) RFI#003-Glass Floodwalls. According to Specification Section 354913, Part 2.02, B., states “Framing – Type 316 or 2205 stainless steel framing on all sides”. Please confirm that an anodized aluminum framing is acceptable to substitute for the stainless steel.
An anodized aluminum framing is acceptable. Adhere to the same finish as the stainless steel and provide samples as required.
- 18) Exhibit D, Section 2 mentions: "BPCA will evaluate the Proposers based primarily, but not exclusively, on the demonstrated experience of the members of each Proposer’s team, including Proposer’s and Key Subcontractors’ individual and collective performance history, and experience on previous or current Projects of Similar Scope and Complexity. Demonstrated experience with “Projects of Similar Scope and Complexity” shall mean the successful completion of at least three (3) heavy civil/park construction projects within the past ten (10) consecutive years". Can proposers use ongoing/not completed projects.
Yes, this is acceptable. Please note that any ongoing projects submitted shall be, at a minimum, fifty percent (50%) complete.
- 19) RFP Paragraph 3.9 mentions: Include a statement with its Proposal justifying the Proposer’s determination that the marked information is confidential and exempt from FOIL; and submit a copy of the full Proposal that has all confidential information redacted from the Proposal and label such copy of the Proposal: “Proposal Public Copy”. If Proposer opts to provide a separate copy with information redacted, does that version need to be provided on 2 thumb drives and one unbound copy as well?
The redacted version of the Proposal must be submitted via a thumb drive. No unbound hard copy is required for submission of the redacted version.
- 20) Reference drawings L-140, L-101 and SS401: Please confirm if details A/SS401 and E/ SS401 apply for the following planters: B4, B9, B12, A5, B6, AND B6A.

Details do not apply to Planters B4 or B6A. Coordinate with Civil Drawings for top-of-curb elevation, as design intent is for low curbs. Disregard the layout for Planters B12, B12A, and B13. Planters A5 and B9 will follow those details on Drawing SS401.

- 21) Drawing L143A referencing planter B13A is missing, please advise.
Disregard missing sheet and planter layout on the north side of 1st Place. These details are in development and will be provided as part of Drawing L143A, to be issued via a forthcoming addendum.
- 22) Reference to Marine Concrete mixes. The specifications call for corrosion inhibitor additive in the concrete mixes, according to spec. Section 033101 – Table provided on page 24 - using a mix (20% Slag) and (0% Fly Ash) will require 4.70 Gallon per CY but using a mix (50% Slag) and (0% Fly Ash) can reduced quantity of Corrosion Inhibitor to be 1.5 gallon per CY for pile caps and beams , Is there any limitation for the slag percentage allowed in the concrete mix ? are the two mixes permitted to use 20 % and or 50% slag?
See Specification 033101, Section 2.01B.5 for cement replacement requirements. Note: Section 2.02.H.8.a., Tables 1 and 2 (Page 033101 - 23) should say "Concrete Flatwork and Walls" and Table 4 (Page 033101 - 24) should say "Pile caps and Beams and Columns". An updated version of Specification 033101 containing the aforementioned revisions will be issued as part of a forthcoming addendum.
- 23) Drawing Detail: 2/SF601 Calls for ASTM F1554 GR 105 1" Dia Anchor Bolts. Section 2.02.E.4 in specification 352016 for Flood Gates calls for ASTM F563 Grade 316 Stainless Steel. Please clarify.
Anchorage design is determined by the anchor bolts manufacturer; anchor bolts must be ASTM F563 Grade 316 Stainless Steel.
- 24) Please clarify the material requirements for the post, winch, cables, sleeves, rigging, etc for the Hand Winch assembly.
The post and winch system shall be per gate manufacturer's recommendations and satisfy the following performance requirements: (1) must be lightweight and be able to be lifted by two (2) operations personnel, (2) the winch must not require a permanent external power source (portable generator, or similar, is acceptable, (3) must be constructed of corrosion-resistant materials.
- 25) A, 9 & 10 /SF602 calls for a 3/4" stainless steel wiper plate. Section 2.03.D in specification 352016 for Flood Gates calls for 3/8" stainless steel seal plates. Please clarify.
Provide a 3/4" plate.
- 26) Are the 1/2" countersunk screws required to be finished w/ Stainless Slip Resistant coating to match?
Yes.
- 27) Will the 16ga stainless steel plate require additional support other than the sleeves shown on 1/L909? Presumably, the void space under the 16ga plate will need grouting or some other supportive fill material.
The gate cladding attachment is determined by the gate manufacturer. The cladding must be able to withstand the gate loading, as specified in the Contract's Structural Drawings, and be removable for maintenance/field replacement.
- 28) 5/L909 details the inlaid panel on the flood gate surface. Are bolted connections required, or could a larger section of gate be fabricated and coated with the hex pattern without using a bolted connection?
Yes. Provide stamped and sealed shop drawings as required. As long as the bolts and hex pattern align across multiple panels, it will meet the design intent. The approved fabricator of the product implied that large sheets tend to warp. Americans with Disabilities Act (ADA) standards must be adhered to across this inlaid panel on the flood gate surface.
- 29) Spec 352016. Will 17-4SS components be acceptable, or will the entire cylinder be required to be manufactured using 316SS?
Yes, 17-4SS components are acceptable.
- 30) Subsection 1.08.F.3.C of the specification for Flood Gates calls for corrosion resistant metallic components and that Carbon Steel components will not be acceptable. Please confirm if the gate panel,

framing, supporting structure, and the lifting mechanisms must all be constructed of a corrosion resistant metallic material (aluminum or stainless steel) and that carbon steel will not be acceptable.

All framing elements and fasteners must be of a corrosion resistant material suitable in a marine environment (aluminum, stainless steel [316 or duplex] or bronze).

- 31) Please confirm if all described loads for the Flip Up Barriers in the Design Criteria SF001(water, debris, wind....) must be met regardless of deployment method.

Correct. All design loads must be supported regardless of deployment method.

- 32) Where are the "Quick Disconnects" to be located? Ie, in the primary HPU enclosure, separate from the HPU enclosure but same location, or in an access point at the gate location?

The "Quick Disconnects" is to be located in the HPU enclosure shown on the Structural Drawings for the respective gates.

- 33) 055005 2.01.A Calls for a panel designed to meet AASHTO H20 Loading. The Design Criteria on SF001 calls for HS25 live loads among other dead loads, flood loads and combinations. Please clarify.
The requirements shall be as follows: HS25 load (40 kip single axle load) plus wheel impact factor of 1.3; NYC Fire Code Outrigger Load (52 kip over 2 foot by 2 foot area); and NYC Fire Code 80,000 lb. vehicle with an assumed maximum tandem axle load of 60kips.

By signing the line below, I am acknowledging that all pages of this Addendum #4 have been received, reviewed and understood, and will be incorporated into the Proposal submitted. This document must be attached to the Proposal for consideration.

Print Name (Above)	Signature (Above)	Date (Above)
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Number of pages received: _____ <fill in>

Distributed to: All prospective Proposers

[NO FURTHER TEXT ON THIS PAGE]

ATTACHMENT #1

UPDATED/REVISED CIVIL DRAWINGS:

- C001 – Legend and Abbreviations*
- C002 – General Notes and Notes*
- C100B – Site Demolition Legend and Flag Notes*
- C103NE – Site Demolition Plan 08*
- C401SW – Storm Drainage Plan 01*
- C401SE – Storm Drainage Plan 02*
- C603SE – Water and Sewer Plan 09*
- C603SW – Water and Sewer Plan 10*
- C811 – Sections and Details*
- C821 – Sections and Details*
- C822 – Sections and Details*
- C901 – Storm Drainage Utility Profile*

(ATTACHED)

ANSI D 22' x 34'

LEGEND

Table with columns: DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL. Includes symbols for limits of work, project package, property line, easement line, centerline, structure, underground tunnel, grade break, major grading, minor grading, storm drain, area drain, catch basin, cleanout, inlet, manhole, trench drain, foundation drain, drop connection, sanitary sewer line, water line, reuse water line, air relief valve, backflow prevention device, ground hydrant, fire department connection, fire hydrant, and package demarcation legend.

Table with columns: &, @, Δ, °, Ø, #, %, fc, fy, ABAN, AC, AD, ADA, ADDL, ADJ, AGGR, ALT, APPD, APPROX, ARCH, ASPH, ASSY, ASTM, ATB, AVE, BCR, BFP, BLDG, BLK, BM, BMP, BOL, BOT, BPCA, BPC, BSMT, BTWN, BVC, BW, CANT, CB, CC, CDF, CFS, CI, CIP, CJ, CL, CLR, CMP, CNR, CO, COL, COMB, COMM, CON, CONC, COND, CONN, CONST, CONT, CONTR, COORD, CORP, CP, CTB, CTR, CU, CULV, D, Δ, DB, DC, DCVA, DEG, °, DEMO, DEP, DEPT, DET, DFE, DI, DIA, Ø. Includes abbreviations for AND, AT, deflection angle, diameter, number, percent, concrete compressive strength, reinforcing steel yield strength, abandon, asbestos cement, area drain, Americans with Disabilities Act, additional, adjacent, aggregate, alternate, approved, approximate, architect, asphalt, assembly, American Society for Testing and Materials, asphalt treated base, begin curb return, back flow preventer, building, block, beam, best management practice, bollard, bottom, Battery Park City Authority, Battery Park City, basement, between, begin vertical curve, bottom of wall, cantilever, catch basin, center to center, controlled density fill, cubic feet per second, cast iron, cast-in-place, construction joint, centerline, clear, corrugated metal pipe, corner, clean out, column, combination, communication, concentric, concrete, conduit, connect, construction, continuous, contractor, coordinate, corporation, control point, cement treated base, center, cubic, culvert, deflection angle, ductbank, drop connection, double check valve assembly, degree, demolish, department of environmental protection, detail, design flood elevation, ductile iron, diameter.

Table with columns: DIAG, DICA, DIM, DIR, DOM, DOT, DS, DWG, DWL, DWY, EXISTING, EAST, EACH, ECC, ECR, EG, EJ, EL, ELEVATION, ELEC, EMB, ENGR, EOR, EQ, EQUIP, ESEM, EST, EVC, EW, EXCAV, EXIST, EXP, EXT, FD, FDC, FDN, FF, FG, FH, FIN, FL, FM, FT, FTG, FW, G, GA, GAL, GALV, GB, GEN, GP, GPM, GV, H, HDPE, HDS, HH, HMA, HOI, HORIZ, HP, HPU, HT, HTB, HYD, ID, IE, IN, INCL, INFO, INT, INV, IRR, JT, LARCH, LAT, LB, LF, LOC, LOP, LOW, LP, LT, LVL, LEVEL, MATL, MAX, MECH, MFR, MH, MIC, MIN, MISC, MJ, MJH, ML, MON, MS4, MSE, MUTCD, N, NA, NE, NIC, NOM, NTS, NW, NYC, DOT, DPR, NYS, OD, OC, OFR, OPNG, OPP, OPT, ORIG, OWS, PC, PCC, PED, PERF, PERP, PI, PIV, PL, PLTR, PLUMB, POLY, PRC, PROP, PROT, PSF, PSI, PT, PVC, PVI, PVT, Q, R, RCMD, RCP, RED, REIN, REQD, RET, REV, RIM, RJ, RL, ROW, RPBA, RPM, RT, RW, RWSR, S, SCHED, SD, SDMH, SDS, SE, SECT, SHT, SIM, SOG, SPC, SPEC, SQ, SS, SSMH, ST, STA, STD, STL, STRUC, SW, SYM, T&B, TB, TC, TD, TEMP, TESC, TOF, TW, TYP, UNO, UTIL, V, VAC, VB, VC, VDM, VERT, VIF, VOL, VTB, W, W/, W/O, WHT, WP, WPJ, WS, WT, WWF, YD, YEL.

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Table with columns: DIAG, DICA, DIM, DIR, DOM, DOT, DS, DWG, DWL, DWY, EXISTING, EAST, EACH, ECC, ECR, EG, EJ, EL, ELEVATION, ELEC, EMB, ENGR, EOR, EQ, EQUIP, ESEM, EST, EVC, EW, EXCAV, EXIST, EXP, EXT, FD, FDC, FDN, FF, FG, FH, FIN, FL, FM, FT, FTG, FW, G, GA, GAL, GALV, GB, GEN, GP, GPM, GV, H, HDPE, HDS, HH, HMA, HOI, HORIZ, HP, HPU, HT, HTB, HYD, ID, IE, IN, INCL, INFO, INT, INV, IRR, JT, LARCH, LAT, LB, LF, LOC, LOP, LOW, LP, LT, LVL, LEVEL, MATL, MAX, MECH, MFR, MH, MIC, MIN, MISC, MJ, MJH, ML, MON, MS4, MSE, MUTCD, N, NA, NE, NIC, NOM, NTS, NW, NYC, DOT, DPR, NYS, OD, OC, OFR, OPNG, OPP, OPT, ORIG, OWS, PC, PCC, PED, PERF, PERP, PI, PIV, PL, PLTR, PLUMB, POLY, PRC, PROP, PROT, PSF, PSI, PT, PVC, PVI, PVT, Q, R, RCMD, RCP, RED, REIN, REQD, RET, REV, RIM, RJ, RL, ROW, RPBA, RPM, RT, RW, RWSR, S, SCHED, SD, SDMH, SDS, SE, SECT, SHT, SIM, SOG, SPC, SPEC, SQ, SS, SSMH, ST, STA, STD, STL, STRUC, SW, SYM, T&B, TB, TC, TD, TEMP, TESC, TOF, TW, TYP, UNO, UTIL, V, VAC, VB, VC, VDM, VERT, VIF, VOL, VTB, W, W/, W/O, WHT, WP, WPJ, WS, WT, WWF, YD, YEL.

Table with columns: SD, SDMH, SDS, SE, SECT, SHT, SIM, SOG, SPC, SPEC, SQ, SS, SSMH, ST, STA, STD, STL, STRUC, SW, SYM, T&B, TB, TC, TD, TEMP, TESC, TOF, TW, TYP, UNO, UTIL, V, VAC, VB, VC, VDM, VERT, VIF, VOL, VTB, W, W/, W/O, WHT, WP, WPJ, WS, WT, WWF, YD, YEL.



PROJECT SOUTH BATTERY PARK CITY RESILIENCY DESIGN SERVICES CLIENT HUGH L. CAREY BATTERY PARK CITY AUTHORITY CONSULTANT

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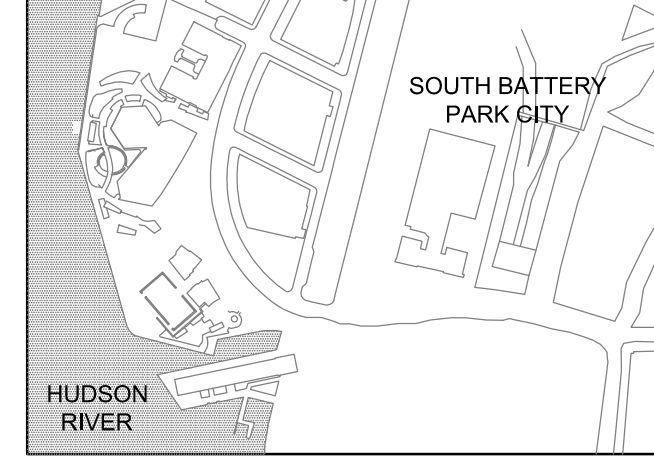
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REGISTRATION



ISSUE/REVISION

Table with columns: Issue/Revision, Date, Description. Includes entry: JUN 2022, RESPONSES TO QUESTIONS.

Designed By: B. DUPUY
Drawn By: J. POPE
Checked By: S. HALUSCHAK
Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

LEGEND AND ABBREVIATIONS

SHEET NUMBER

C001

GENERAL NOTES:

- 1. SEE SHEETS G004 THROUGH G007 FOR PROJECT SPECIFIC GENERAL NOTES. NOTES CONTAINED HEREIN APPLY TO C SERIES SHEETS. SEE G SERIES SHEETS FOR INFORMATION PERTAINING TO NON-C SERIES SHEETS.
2. WORK SHALL CONFORM TO THE NYC BUILDING CODE, THE NYC DRAFT STORMWATER MANAGEMENT PROGRAM PLAN (2018), NYC DEP SEWER DESIGN STANDARDS, NYC DEP WATER MAIN DESIGN STANDARDS, AND THE NYC PLUMBING CODE STANDARDS. CONTRACTOR SHALL MAINTAIN A COPY OF THESE DOCUMENTS ON-SITE DURING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK 811(1-800-272-4480) A MINIMUM OF THREE DAYS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE SERVICES OF A PROFESSIONAL UNDERGROUND UTILITY LOCATION SERVICE TO LOCATE AND MAINTAIN MARKINGS THAT INDICATE LOCATIONS OF UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA.
5. SANITARY, CSO, AND STORM SEWER OUTFALLS AND DEP PIPES WITHIN THE PROJECT LIMITS SHALL BE CLEANED AND TELEVISED (CCTV INSPECTIONS) BOTH PRIOR TO AND AFTER CONSTRUCTION IN ACCORDANCE WITH DEP CSI (COLLECTION SYSTEM INVESTIGATION) STANDARDS. CONTRACTOR SHALL COORDINATE WITH DEP CSI BEFORE PERFORMING CCTV OF THE SEWERS. PLEASE CONTACT TERRANCE BROCK (TBROCK@DEP.NYC.GOV). REPORTS OF INSPECTION SHALL BE SUBMITTED TO DEP FOR REVIEW. DEP INFRASTRUCTURE IMPACTED BY CONTRACTOR SHALL BE REPLACED/RELOCATED IN ACCORDANCE WITH DEP REQUIREMENTS.
6. FLOOD ALIGNMENT PROVIDED HEREIN FOR REFERENCE ONLY. NOTE THAT PORTIONS OF THE ALIGNMENT ARE ON THE SURFACE AND OTHERS ARE UNDERGROUND. SEE STRUCTURAL PLANS FOR DETAILS.
7. WALL PENETRATION FOR STORM DRAIN, WATER, AND SANITARY SEWER PIPING SHALL BE IN ACCORDANCE WITH THE STUCTURAL DOCUMENTS, UNLESS NOTED OTHERWISE.
8. PROJECT DATUM:
A. COORDINATES SHOWN HEREON ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM NYLI NAD 83 AS ESTABLISHED BY GPS METHODS. THESE VALUES HAVE BEEN SCALED TO GROUND AND SUBJECT TO TRAVERSE ADJUSTMENT.
B. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS ESTABLISHED BY GPS METHODS.

SITE DEMOLITION NOTES:

- 1. SEE DRY UTILITY DEMOLITION PLANS, SE SHEETS, FOR DEMOLITION OF DRY UTILITIES ACROSS THE PROJECT.
2. SEE SITE MEP PLANS, SPF SHEETS, FOR DEMOLITION OF EXISTING IRRIGATION UTILITIES AND APPURTENANCES.
3. SEE PAVILION DEMOLITION PLANS, DM SHEETS, FOR DETAILS ON REMOVAL AND DEMOLITION OF EXISTING PAVILION ELEMENTS.
4. SEE RIGHT-OF-WAY DEMOLITION PLANS, MT SHEETS, FOR DEMOLITION WITHIN THE RIGHT OF WAY, AND FOR TESC DRAWINGS.
5. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL TEMPORARY BARRIERS AND SECURITY DEVICES AS NECESSARY FOR THE PROTECTION OF THE ADJACENT PUBLIC IMPROVEMENTS WITHIN THE STREET RIGHT-OF-WAYS.
6. SEE IRRIGATION PLANS, I SHEETS, AND SPECIFICATIONS FOR IRRIGATION DEMOLITION AND TEMPORARY IRRIGATION.
7. SEE TREE PROTECTION PLANS, L SHEETS, AND SPECIFICATIONS FOR CARE, TRANSPLANTING AND PROTECTION OF EXISTING PLANTS TO REMAIN.
8. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, ABANDONMENT AND/OR CAPPING OF EXISTING UTILITIES WITH THE APPLICABLE UTILITY AGENCY, INCLUDING BUT NOT LIMITED TO:
A. EXISTING WATER CONNECTIONS, NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION.
B. EXISTING SANITARY SEWER, NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION.
C. EXISTING STORM DRAINAGE, NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION.
9. EXCAVATION FOR REMOVAL OF UTILITIES SHALL BE IN ACCORDANCE WITH THE PROJECT'S GEOTECHNICAL ENGINEERING REPORT PREPARED BY OWENS ENGINEERING. A DRAFT GEOTECHNICAL REPORT WAS PROVIDED ON 05/12/2020.
10. THE CONTRACTOR SHALL COMPLY WITH THE REPORT RECOMMENDATIONS FOR TEMPORARY CONSTRUCTION SLOPES AND SHALL NOT EXCEED THOSE SLOPES WITHOUT PRIOR APPROVAL OF THE GEOTECHNICAL ENGINEER.
11. CAP OR PLUG UTILITY SERVICES AT THE LIMITS OF EXCAVATION OR AT THE LIMITS OF DEMOLITION, UNLESS NOTED OTHERWISE.
12. ABANDON PIPES AND STRUCTURES SHOWN HEREON ACCORDING TO NYC DEP STANDARD SPECIFICATION SECTION 72.11.

SITE DEMOLITION NOTES CONT.:

- 13. ABANDONMENT OF UTILITY PIPELINES SMALLER THAN 12 INCHES IN DIAMETER SHALL REQUIRE CAPPING OR PLUGGING OF THE PIPE ENDS ONLY, UNLESS NOTED OTHERWISE.
14. REMOVE EXISTING PAVEMENTS AND WALKS, BASE COURSE, AND SUBBASE MATERIAL TO FULL DEPTH.
15. REMOVE EXISTING PAVERS AND CRUSHED ROCK SURFACING, BASE COURSE, AND SUBBASE MATERIAL TO FULL DEPTH.
16. PROTECT ALL EXISTING STRUCTURES AND FOUNDATIONS TO REMAIN WITHIN THE LIMITS OF WORK DURING CONSTRUCTION UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED IN ORDER TO AVOID IMPACTS TO EXISTING STRUCTURES, FOUNDATIONS AND RETAINING WALLS.
17. PROTECT ALL EXISTING UTILITIES INDICATED TO REMAIN FROM DAMAGE AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED TO ENSURE ADEQUATE PROTECTION OF UTILITIES AND APPURTENANCES TO REMAIN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OPERATIONS AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
18. THE CONTRACTOR SHALL REPLACE PAVEMENT MARKINGS AND/OR SIGNAGE THAT HAS BEEN REMOVED OR DAMAGED FROM CONSTRUCTION ACTIVITIES.
19. MONITORING WELLS, IF ENCOUNTERED, SHALL BE DECOMMISSIONED IN ACCORDANCE WITH THE CITY OF NEW YORK REQUIREMENTS.
20. ITEMS SPECIFIED FOR SALVAGE ARE FOR REUSE WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING ADDITIONAL SALVAGE REQUIREMENTS.
21. SALVAGE AND PROTECT THE FOLLOWING FOR REUSE ON SITE:
A. BLUE STONE AND TAPESTRY STONE, INCLUDING BUT NOT LIMITED TO PAVEMENTS, CURBS, WALLS, CLADDING, AND STEPS.
B. WOOD AS NOTED ON DRAWINGS (SEE DEMOLITION NOTE 3 FOR WOOD ON EXISTING BUILDING).
C. BENCHES AS NOTED ON DRAWINGS.
D. FLAG POLES AND BASES.
22. SEE LANDSCAPING PLANS FOR REUSE OF SITE SALVAGE ITEMS WITHIN THE PROJECT LIMITS.
23. SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION ON EXISTING BULKHEAD, RELIEVING PLATFORM, AND RAILING REMOVAL.
24. SEE LANDSCAPING PLANS FOR RESTORATION AND REPLACEMENT OF EXISTING HISTORICAL BULKHEAD DEMARCATIONS.
25. RELOCATED FIRE HYDRANTS SHALL BE OPERATIONAL PRIOR TO DISCONNECTION OF EXISTING FIRE HYDRANTS.

SITE PAVING SECTION NOTES:

- 1. DIMENSIONS AND COORDINATES ARE TO FACE OF CURB, FACE OF BUILDING, FACE OF WALL, OR LIMIT OF PAVEMENT SECTION, UNLESS NOTED OTHERWISE.
2. APPLY A BITUMINOUS TACK COAT AT LOCATIONS WHERE ASPHALT PAVEMENT ABUTS ANY BUILDING STRUCTURE, UTILITY APPURTENANCE OR OTHER PAVEMENT TYPE.
3. CONCRETE FOR EXTERIOR SITE FACILITIES, INCLUDING BUT NOT LIMITED TO CURBS, SIDEWALKS, PAVING PADS, THRUST BLOCKING, FENCE POST AND BOLLARD FOUNDATIONS, RAMPS, AND UTILITY STRUCTURES SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 033000, "CAST-IN-PLACE CONCRETE" AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45 AND CONCRETE SHALL HAVE 5 PLUS OR MINUS 0.5 PERCENT AIR ENTRAINMENT. CONCRETE BASE FOR PAVEMENT AND CONCRETE FOR PAVING SHALL CONFORM TO CLASS A-40, TYPE 1A CONCRETE IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF TRANSPORTATION STANDARD HIGHWAY SPECIFICATIONS SECTION 3.05, "CONCRETE." CONCRETE BASE FOR PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF TRANSPORTATION STANDARD HIGHWAY SPECIFICATIONS SECTION 4.04, "CONCRETE BASE FOR PAVEMENT." CONCRETE FOR PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF TRANSPORTATION STANDARD HIGHWAY SPECIFICATIONS SECTION 4.05, "CONCRETE PAVEMENT."
4. PROVIDE AN EXPANSION JOINT AT LOCATIONS WHERE CONCRETE WALK OR CONCRETE PAVEMENT ABUT STRUCTURAL FOUNDATION, COLUMN OR WALL, AND FIXED OBJECTS.
5. EXTERIOR CONCRETE PAVEMENT JOINTS SHALL BE WEAKENED PLANE JOINTS WITH A MAXIMUM SPACING OF X (SPACING SHALL BE THICKNESS OF CONCRETE IN FEET X 24) FEET ON CENTER. PAVEMENT PANEL LENGTH TO WIDTH RATIO SHALL NOT EXCEED 1.25. AT THE CONTRACTOR'S OPTION, CONTRACTOR MAY SUBSTITUTE CONSTRUCTION JOINTS FOR WEAKENED PLANE [CONTROL] JOINTS. JOINTS SHALL BE COORDINATED WITH LANDSCAPE PLANS.
6. SEE LANDSCAPE PLANS FOR PAVEMENT MATERIALS, COLOR, AND FINISH.
7. SEE CIVIL MAINTENANCE AND TRAFFIC PROTECTION DRAWINGS FOR DETAILS ON SITE ELEMENTS LOCATED WITH THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION RIGHT OF WAY.

GRADING NOTES:

- 1. SPOT ELEVATIONS ARE TO TOP OF PAVEMENT, GUTTER ELEVATION, BOTTOM OF WALL, OR FINISHED GRADE UNLESS NOTED OTHERWISE.
2. CURB AND/OR WALL REVEAL WHERE ADJACENT TO PLANTING ZONES AND/OR WALKING SURFACES SHALL BE 4 INCHES UNLESS NOTED OTHERWISE. REFER TO 10 C811 FOR A SCHEMATIC DETAIL.
3. FOR UTILITIES TO REMAIN, ADJUST UTILITY ACCESS COVERS TO FINISH GRADE.
4. TOP ELEVATION FOR VAULTS SHALL MATCH FINISH GRADE. SLOPE VAULT LIDS AS REQUIRED.
5. SLOPES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONSTRUCTION SHALL BE BASED ON SPOT ELEVATIONS.

STORM DRAINAGE NOTES:

- 1. LENGTHS OF PIPING SHOWN ON STORM DRAIN ARE FROM CENTER OF STRUCTURE, FITTING OR POINT OF INTERSECTION AND ARE SHOWN FOR INFORMATION ONLY. ALL PIPING SHALL BE INSTALLED AT THE LOCATION SHOWN ON THE PLANS AND LOCATED BY COORDINATES OR DIMENSIONS. VERIFY LOCATIONS OF LATERAL BUILDING CONNECTIONS WITH THE PLUMBING DRAWINGS PRIOR TO INSTALLATION.
2. TRENCH DRAIN GRATES SHALL BE LOCKING QUE CAST BRONZE BY IRON AGE DESIGNS, UNLESS NOTED OTHERWISE.
3. STORM DRAINAGE DETAILS ARE FOR A PRIVATE DRAIN SYSTEM. FOR NYC DEP OWNED STORM DRAINAGE AND MANHOLE DETAILS SEE NYC DEP STANDARD DETAILS OF CONSTRUCTION.
4. HYDRODYNAMIC SEPARATORS SHALL BE SIZED ACCORDING TO THE FOLLOWING REQUIREMENTS:
A. HDS1-1-1: TREATMENT FLOW RATE - 2.50 CFS, SQUARE STRUCTURE
B. HDS3-1-1: TREATMENT FLOW RATE - 1.25 CFS, ROUND STRUCTURE
C. HDS6-1-1: TREATMENT FLOW RATE - 1.25 CFS, ROUND STRUCTURE
D. HDS7-1-1: TREATMENT FLOW RATE - 0.50 CFS, ROUND STRUCTURE
E. HDS8-1-1: TREATMENT FLOW RATE - 1.75 CFS, ROUND STRUCTURE
F. HDS9-1-1: TREATMENT FLOW RATE - 2.50 CFS, ROUND STRUCTURE
G. HDS10-1-1: TREATMENT FLOW RATE - 1.25 CFS, ROUND STRUCTURE
H. HDS11-1-1: TREATMENT FLOW RATE - 2.00 CFS, ROUND STRUCTURE

SUBDRAINAGE NOTES:

- 1. LENGTHS OF PIPING SHOWN ON SUBDRAINAGE ARE FROM CENTER OF STRUCTURE, FITTING OR POINT OF INTERSECTION AND ARE SHOWN FOR INFORMATION ONLY. ALL PIPING SHALL BE INSTALLED AT THE LOCATION SHOWN ON THE PLANS AND LOCATED BY COORDINATES OR DIMENSIONS.
2. SUBDRAINAGE DETAILS ARE FOR A PRIVATE DRAIN SYSTEM. FOR NYC DEP OWNED STORM DRAINAGE AND MANHOLE DETAILS SEE NYC DEP STANDARD DETAILS OF CONSTRUCTION.

WATER NOTES:

- 1. WATER AND REUSE WATER MATERIALS AND CONSTRUCTION SHALL CONFORM TO NYC DEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS FOR WATER LINES INSTALLED WITHIN THE PUBLIC RIGHT OF WAY. FOR WATER AND REUSE WATER MATERIALS AND CONSTRUCTION WITHIN PRIVATE PROPERTY, REFER TO THE PROJECT SPECIFICATIONS AND PLAN DOCUMENTATION.
2. SEE NOTE 9 FOR TYPICAL COVER OVER WATER AND REUSE WATER LINES. MAINTAIN A MINIMUM OF 12 INCHES CLEAR AT CROSSINGS WITH UTILITIES OTHER THAN SANITARY SEWER LINES. WATER AND REUSE WATER LINES SHALL PASS UNDER THE OTHER UTILITY IF THE MINIMUM SPECIFIED COVER CANNOT BE OBTAINED.
3. MAINTAIN A MINIMUM OF 18 INCHES CLEAR BETWEEN CROSSINGS OF WATER AND REUSE WATER LINES AND SANITARY SEWER LINES. WATER AND REUSE WATER LINES SHALL CROSS ABOVE SANITARY SEWER LINES. PROVIDE HORIZONTAL AND VERTICAL BENDS WHERE INDICATED. WHERE A POINT OF INTERSECTION (HORIZONTAL OR VERTICAL) IS SHOWN AND THE DEFLECTION ANGLE IS MORE OR LESS THAN A STANDARD BEND, USE A COMBINATION OF THE STANDARD BEND AND JOINT DEFLECTION OF THE PIPE TO MEET THE ALIGNMENT SHOWN. MAXIMUM JOINT DEFLECTION IS 3 DEGREES OR THE MAXIMUM THAT IS RECOMMENDED BY THE PIPE MANUFACTURER, WHICHEVER IS SMALLER.
4. PROVIDE RESTRAINED JOINTS AT ALL HORIZONTAL AND VERTICAL BENDS IN ACCORDANCE WITH NYC DEP STANDARD SEWER AND WATER MAIN DETAILS AND SPECIFICATIONS FOR WATER LINES INSTALLED WITHIN THE PUBLIC RIGHT OF WAY AND WITHIN PRIVATE PROPERTY. FOR WATER AND REUSE WATER MATERIALS AND CONSTRUCTION WITHIN PRIVATE PROPERTY, REFER TO THE PROJECT SPECIFICATIONS AND PLAN DOCUMENTATION FOR ADDITIONAL THRUST BLOCKING RESTRAINT. THE CONTRACTOR MAY ELIMINATE HORIZONTAL AND/OR VERTICAL THRUST BLOCKING AT LOCATIONS WHERE INSTALLATION OF THE THRUST BLOCKING WILL INTERFERE WITH OTHER CONSTRUCTION. SEE SPECIFICATION FOR REQUIREMENTS.
5. CAPPED WATER LINES OR TEES SHALL HAVE RESTRAINED JOINTS. COORDINATE POINTS AND ELEVATIONS SHOWN FOR ALL MANHOLES ARE TO THE CENTER OF THE MANHOLE, UNLESS NOTED OTHERWISE.

WATER NOTES CONT.:

- 6. THE CONTRACTOR SHALL VERIFY EXISTING AND NEW UTILITY CROSSINGS PRIOR TO WATER AND SANITARY SEWER SYSTEM INSTALLATION. TRENCHING FOR WATER AND REUSE WATER LINES SHALL CONFORM TO NYC DEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS AND PIPE BEDDING SHALL CONFORM TO NYC DEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS.
7. UTILITY CROSSINGS SHOWN ON THE UTILITY PROFILES ARE FOR THE CONTRACTOR'S INFORMATION AND REFERENCE. THE CONTRACTOR SHALL VERIFY EXISTING AND NEW UTILITY CROSSINGS PRIOR TO UTILITY SYSTEM INSTALLATION.
8. WATER AND REUSE WATER LINES SHALL BE DUCTILE IRON FOR PIPES GREATER THAN OR EQUAL TO 3 INCHES, AND TYPE K COPPER FOR PIPES SMALLER THAN 3 INCHES.
9. WATER AND REUSE WATER LINES SHALL BE LAID WITH THE FOLLOWING MINIMUM COVERS:
<8 INCH PIPE - MINIMUM 4'-0" OF COVER
8-INCH PIPE - MINIMUM 3'-9" OF COVER
10-INCH PIPE - MINIMUM 3'-7" OF COVER
12-INCH PIPE - MINIMUM 3'-5" OF COVER
10. PIPES AND FITTINGS FOR PROPOSED WATER LINES TO BE EQUIPPED WITH RESTRAINED JOINTS WHERE LOCATED IN/OR NEAR GEOFOAM AND/OR WHERE THRUST BLOCKS CANNOT BE USED.
11. BOTH REUSE AND DOMESTIC WATER DISTRIBUTION LINES ARE SHOWN, IN PARALLEL, WITH A 2' CENTERLINE OFFSET. PIPE DIMENSIONS SHOWN APPLY TO BOTH LINES, WHILE N/E DIMENSIONS APPLY TO THE DOMESTIC LINE. HORIZONTAL LOCATION FOR THE REUSE WATER LINE CAN BE OBTAINED BY APPLYING A 2' OFFSET FROM SHOWN DOMESTIC LINE N/E, UNLESS NOTED OTHERWISE.
12. WHERE A NON-STANDARD FITTING ANGLE IS REFERENCED IN THE PLAN, PROVIDE A COMBINATION OF STANDARD FITTINGS (1 1/4", 2 1/2", AND 45"), PLUS ALLOWABLE PIPE DEFLECTION, IN ORDER TO MEET INDICATED FITTING ANGLE.

SANITARY SEWER NOTES:

- 1. SANITARY SEWER MATERIALS AND CONSTRUCTION SHALL CONFORM NYC DEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS.
2. SANITARY SEWER PIPING SHALL BE REINFORCED CONCRETE PIPING UNLESS NOTED OTHERWISE.
3. TRENCHING FOR SANITARY SEWERS SHALL CONFORM TO NYC DEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS AND PIPE BEDDING SHALL CONFORM TO NYC DEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS. SANITARY SEWER MANHOLES SHALL BE 48 INCHES IN DIAMETER, UNLESS NOTED OTHERWISE.



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KEY PLAN

REGISTRATION



ISSUE/REVISION

Table with 3 columns: Issue/Revision, Date, Description. Row 1: 06/01/2022, RESPONSES TO QUESTIONS

Designed By: B. DUPUY
Drawn By: J. POPE
Checked By: S. HALUSCHAK
Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

GENERAL NOTES AND NOTES

SHEET NUMBER

C002

ITEMS TO REMAIN

Table with 2 columns: FLAG, DESCRIPTION. Lists 28 items to remain, including buildings, fences, walls, curbs, pavements, ramps, planters, vents, bike racks, benches, stone curbs, tunnels, storm sewers, poles, monuments, water pipes, site features, sanitary sewers, signs, bulkheads, bollards, stairs, tree pits, vaults, light poles, grade beams, relieving platforms, and fountains.

SURFACE ELEMENTS TO BE REMOVED OR SALVAGED

Table with 2 columns: FLAG, DESCRIPTION. Lists 31 items to be removed or salvaged, including walls, fences, light poles, concrete curbs, benches, granite, flag poles, blue stone, ramps, metal edging, bike racks, concrete blocks, planter walls, historical markers, metal cylinders, poles and foundations, bulkheads, railings, steps, fountains, tree pits, buildings, bollards, wood, planter walls, artwork, wooden site elements, and stone.

Items S30 and S31 are highlighted in a cloud-shaped callout box. S30: REMOVE AND SALVAGE EXISTING RIVER BENCH, SEE SITE DEMOLITION NOTES 20 THROUGH 22. S31: REMOVE AND SALVAGE EXISTING GRANITE CURB, SEE SITE DEMOLITION NOTES 20 THROUGH 22.

UTILITIES TO BE REMOVED, RELOCATED, OR SALVAGED

Table with 2 columns: FLAG, DESCRIPTION. Lists 10 utility items to be removed, relocated, or salvaged, including water pipes, utility vaults, storm sewer pipes, sanitary sewer pipes, water meters/valves, hydrants, trench drains, trench drain grates, fire hydrant assemblies, and drinking water fountains.

SITE DEMOLITION LEGEND

Table with 2 columns: DESCRIPTION, SYMBOL. Defines symbols for items to be removed, items to remain, cap utilities, plug utilities, and various paving materials like stone, concrete, hex pavers, crushed rock, granite, and brick.

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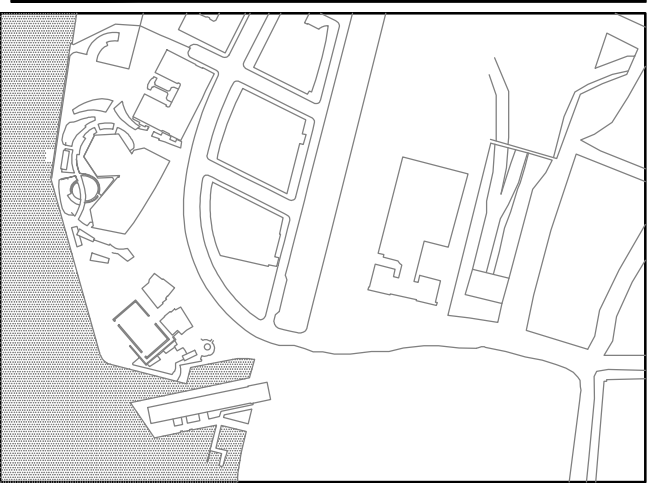
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KEY PLAN



REGISTRATION



ISSUE/REVISION

Table with 3 columns: Issue/Revision symbol, DATE, DESCRIPTION. Shows one revision: JUNE 2022, RESPONSES TO QUESTIONS.

Designed By: B. DUPUY Drawn By: J. POPE Checked By: S. HALUSCHAK Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

SITE DEMOLITION LEGEND AND FLAG NOTES

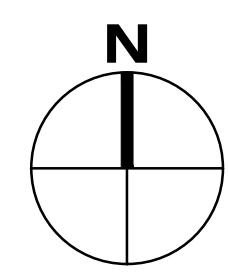
SHEET NUMBER

C100B

ANSI D 22" x 34"

- NOTES:**
- SEE SHEET C001 FOR LEGEND AND ABBREVIATIONS.
 - SEE SHEET C002 FOR GENERAL NOTES AND SITE DEMOLITION NOTES.
 - SEE SHEET C100B FOR SITE DEMOLITION LEGEND AND FLAG NOTES.
 - ABANDON EXISTING 12" DUCTILE IRON WATER LINE IN MAPPED STREETS PER NYC DEP STANDARDS.

5. COORDINATE PAVILION WATER SERVICE DEMOLITION WITH PAVILION BUILDING DEMOLITION.



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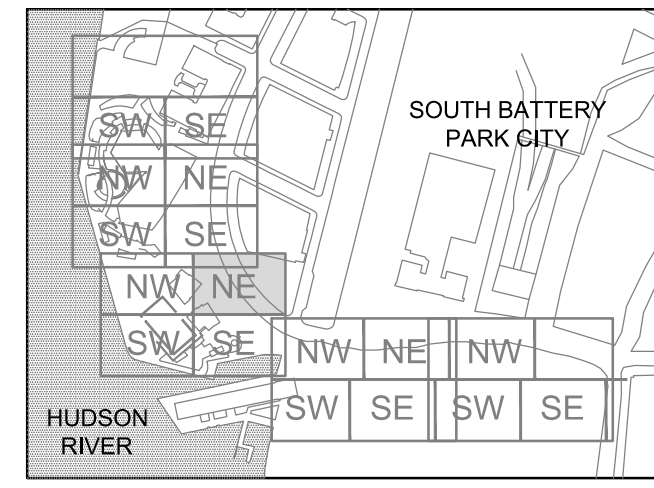
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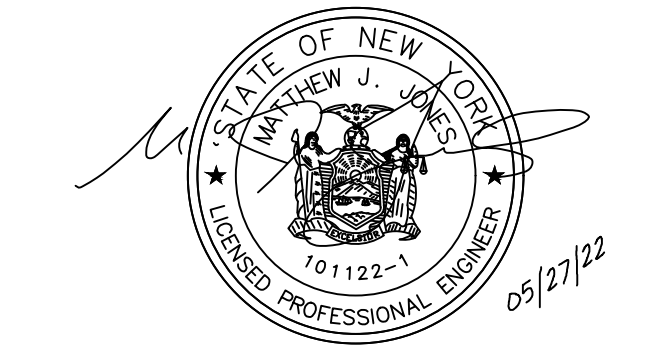
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KEY PLAN



REGISTRATION



ISSUE/REVISION

IR	DATE	DESCRIPTION
△	JUNE 2022	RESPONSES TO QUESTIONS

Designed By: B. DUPUY
Drawn By: J. POPE
Checked By: S. HALUSCHAK
Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

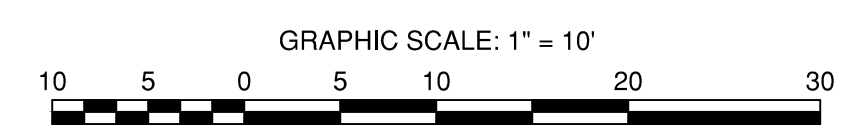
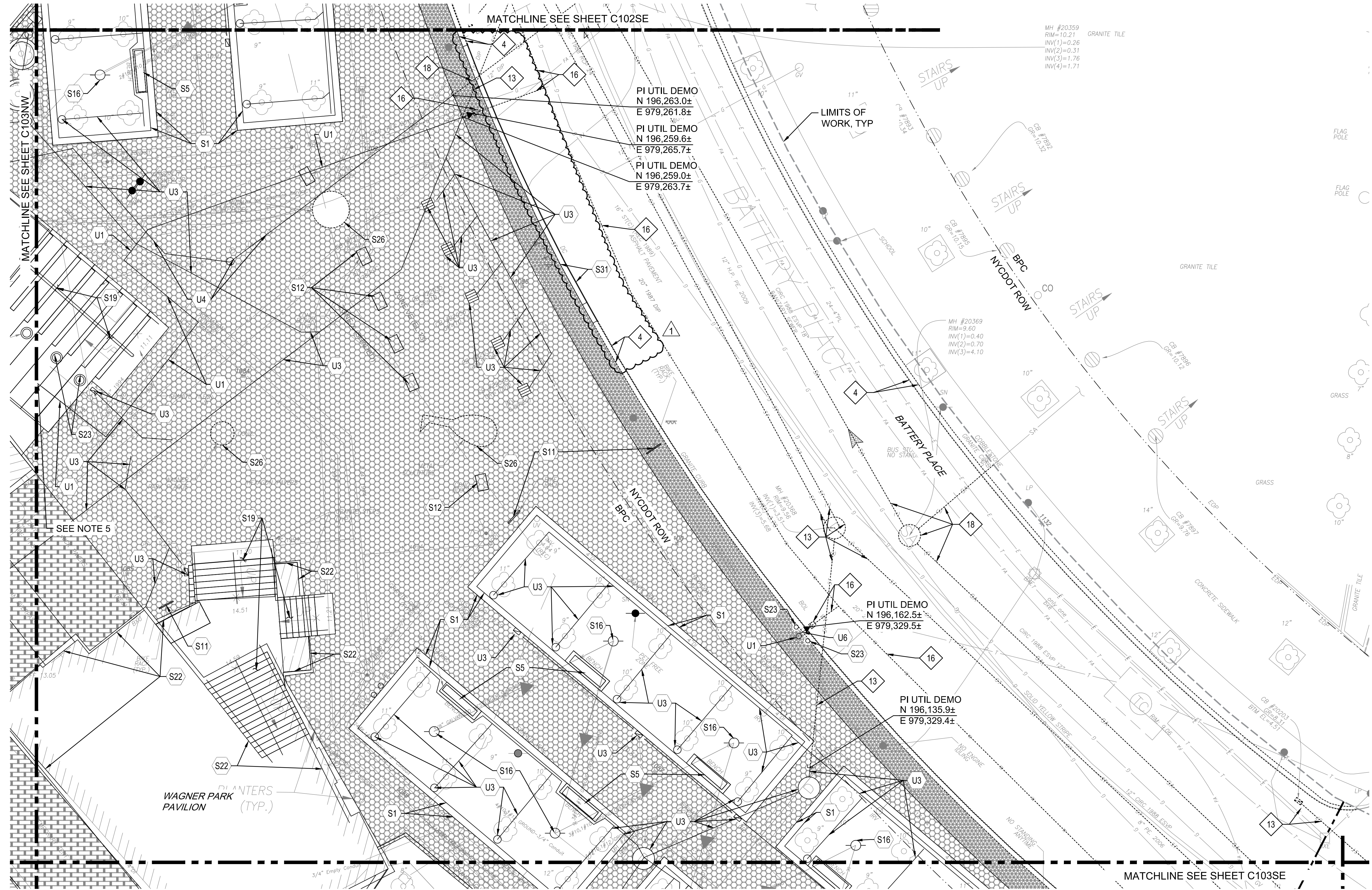
Contract No. 18-2586

SHEET TITLE

SITE DEMOLITION PLAN 08

SHEET NUMBER

C103NE

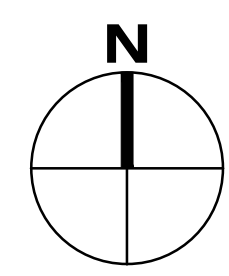
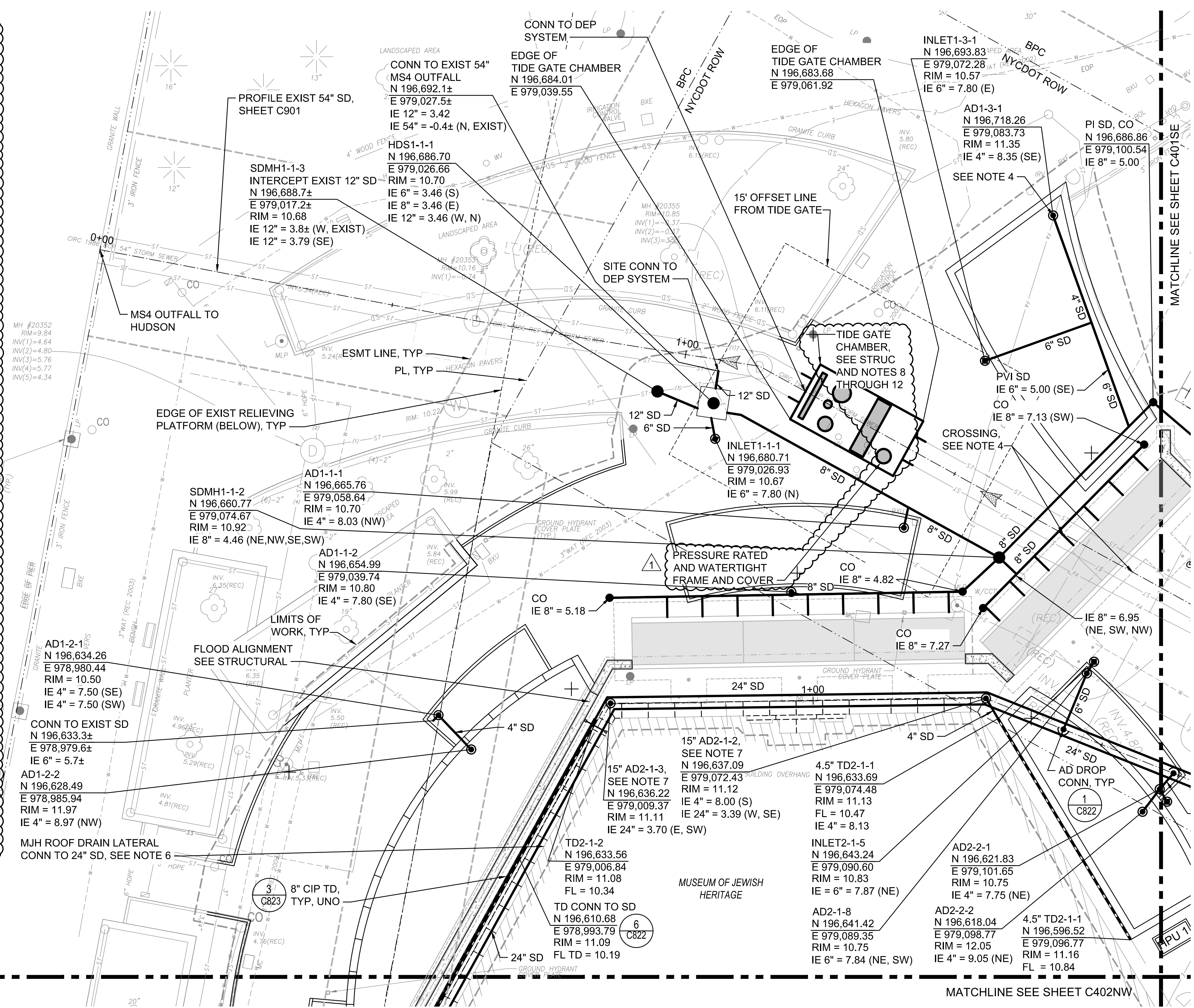


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ANSI D 22" x 34"

NOTES:

- SEE SHEET C001 FOR LEGEND AND ABBREVIATIONS.
- SEE SHEET C002 FOR GENERAL NOTES AND STORM DRAINAGE NOTES.
- INSTALL INLINE BACKFLOW PREVENTION DEVICE ON OUTLET PIPE IN STORM DRAIN MANHOLE.
- SEE STRUCTURAL PLANS FOR DETAILS ON EXISTING 54" MS4 OUTFALL CROSSING THE FLOOD ALIGNMENT.
- SEE C501SW FOR DETAILS ON SUBDRAINAGE.
- INTERCEPT EXISTING ROOF DRAINAGE LATERAL FROM MUSEUM OF JEWISH HERITAGE. TIE INTO 24" SD VIA TEE. PROVIDE BACKFLOW PREVENTION DEVICE ON ROOF DRAIN LATERAL.
- INSTALL 30" BASIN WITH 15" BRONZE SOLID GRATE.
- DURING CONSTRUCTION OF THE TIDE GATE, THE CONTRACTOR(S) SHALL PREVENT STORMWATER AND RIVER WATER FROM ENTERING THE CONSTRUCTION ZONE OF THE TIDE GATE STRUCTURE, MANAGE BYPASS FLOWS, DESIGN, INSTALL AND MAINTAIN TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S), AND MAINTAIN GROUNDWATER TO A DEPTH BELOW THE BOTTOM OF EXCAVATION, IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD SEWER AND WATER MAIN SPECIFICATIONS, INCLUDING:
 - PARAGRAPHS 10.13 AND 50.71.2(H) FOR MANAGING BYPASS FLOWS.
 - PARAGRAPHS 40.05 FOR TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S).
 - PARAGRAPHS 40.02.15 FOR DISPOSAL OF WATER.
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF A SUITABLE TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S), SUBJECT TO THE REVIEW AND APPROVAL BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION ENGINEER.
- THE CONTRACTOR(S) SHALL SUBMIT THEIR PROPOSED METHOD FOR MAINTAINING BYPASS FLOWS TO THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION ENGINEER FOR APPROVAL A MINIMUM OF 30 DAYS PRIOR TO WHEN THEY PLAN TO BEGIN WORK ON THE COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S).
- IF THE CONTRACTOR(S) ELECTS TO CONSTRUCT A TEMPORARY DIVERSION SEWER FOR MANAGING BYPASS FLOWS, THEY SHALL BE RESPONSIBLE FOR REPAIRING/REPLACING THE PORTIONS OF THE SEWER AT THE POINTS OF CONNECTION TO THE DIVERSION. THE FOLLOWING POTENTIAL SEQUENCE OF CONSTRUCTION RELATED TO THE TIDE GATE IS IDENTIFIED AS AN APPROACH OPTION. THE CONTRACTOR(S) IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION APPROACH AND CONSTRUCTION SEQUENCE RELATED TO TIDE GATE.
 - BLOCK AND PREVENT STORMWATER AND RIVER WATER FROM ENTERING THE TIDE GATE CONSTRUCTION ZONE BY INSTALLING AIR BLADDERS OR OTHER EQUIVALENT MEASURES IN THE PIPE AT DOWNSTREAM AND UPSTREAM MAINTENANCE HOLES TO PREVENT WATER FROM ENTERING THE PIPE WITHIN THE ZONE OF CONSTRUCTION.
 - CONSTRUCT TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S) AS REQUIRED TO CONSTRUCT THE TIDE GATE STRUCTURE.
 - CONSTRUCT A TEMPORARY DIVERSION SEWER AND/OR PUMPS TO BYPASS WATER TO THE EXISTING OUTFALL.
 - DEMOLISH AND REMOVE THE EXISTING OUTFALL SEWER WITHIN THE LIMITS OF THE COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S) FOR THE PROPOSED TIDE GATE STRUCTURE. NOTE THAT THE EXISTING SEWERS ARE SUPPORTED ON PILES AND ON A CONCRETE CRADLE. THE CONTRACTOR(S) SHALL REMOVE ANY PIPE, STRUCTURE, OR PILES DOWN TO 18 INCHES BELOW THE PROPOSED BOTTOM OF THE NEW SDMH2-1-1.
 - INSTALL PILES FOR THE TIDE GATE STRUCTURE (SEE STRUCTURAL).
 - CONSTRUCT THE TIDE GATE STRUCTURE AND SEWER PIPE CONNECTIONS (SEE STRUCTURAL) AND INSTALL INTERIOR COMPONENTS.
 - REMOVE THE COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S) AND BACKFILL WITH SELECT GRANULAR FILL.
 - REMOVE THE TEMPORARY DIVERSION SEWER (AND REPAIR/REPLACE SEWER AT CONNECTION) AND/OR PUMPS.
 - REMOVE THE AIR BLADDERS OR OTHER EQUIVALENT MEASURES.



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 PROJECT
 SOUTH BATTERY PARK CITY
 RESILIENCY DESIGN
 SERVICES
 CLIENT
 HUGH L. CAREY
 BATTERY PARK CITY
 AUTHORITY
 CONSULTANT

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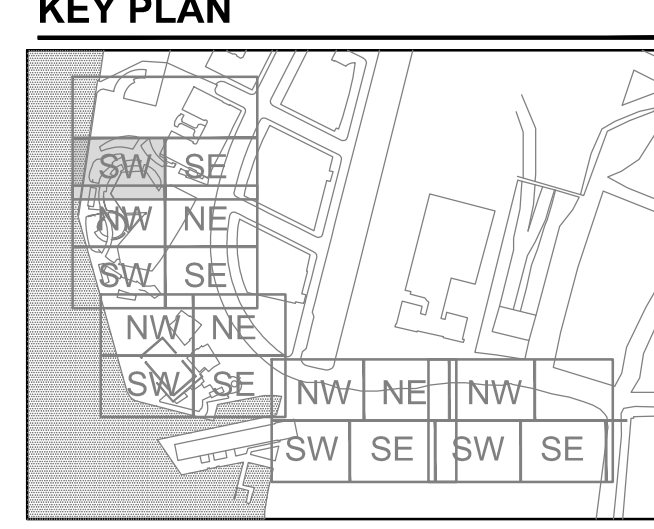
MILHOUSE
 333 South Wabash Ave, Suite 2801,
 Chicago, IL 60604 313.987.0061 milhouseinc.com

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REGISTRATION

STATE OF NEW YORK
 MATTHEW J. JONES
 LICENSED PROFESSIONAL ENGINEER
 101122-1
 05/27/22

ISSUE/REVISION

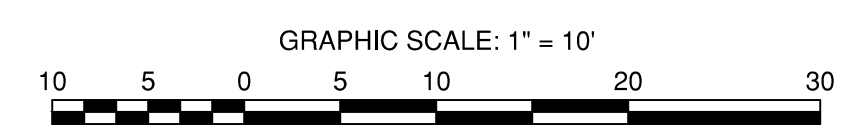
NO.	DATE	DESCRIPTION
1	JUNE 2022	RESPONSES TO QUESTIONS

Designed By: B. DUPUY
 Drawn By: J. POPE
 Checked By: S. HALUSCHAK
 Approved By: M. JONES

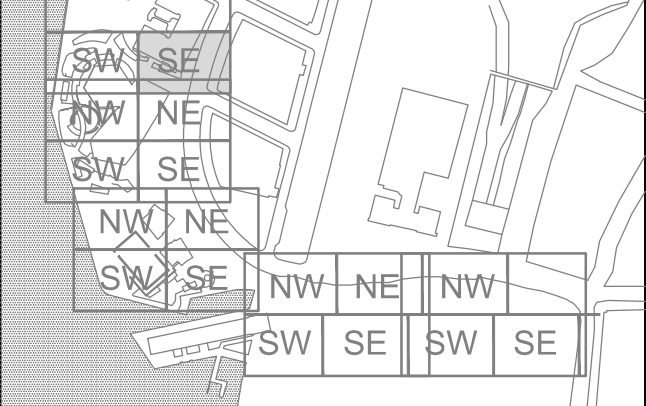
PROJECT/TERM CONTRACT NUMBER
 Contract No. 18-2586

SHEET TITLE
 STORM DRAINAGE PLAN 01

SHEET NUMBER
 C401SW



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PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

STORM DRAINAGE PLAN 02

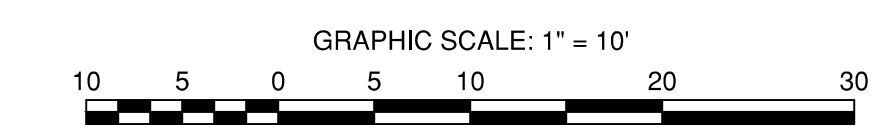
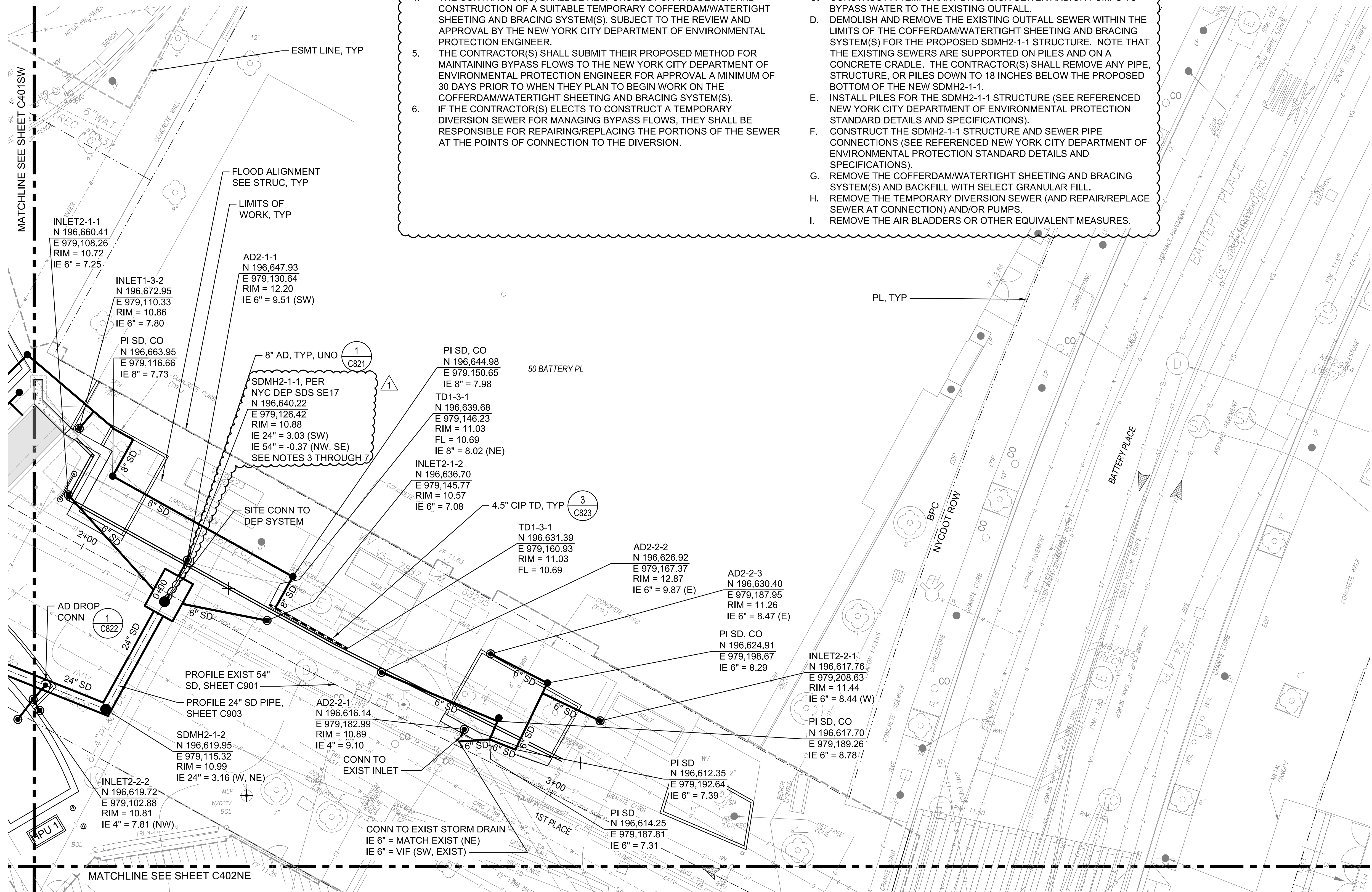
SHEET NUMBER

C401SE

NOTES:

- SEE SHEET C001 FOR LEGEND AND ABBREVIATIONS.
- SEE SHEET C002 FOR GENERAL NOTES AND STORM DRAINAGE NOTES.

- DURING CONSTRUCTION OF SDMH2-1-1, THE CONTRACTOR(S) SHALL PREVENT STORMWATER AND RIVER WATER FROM ENTERING THE CONSTRUCTION ZONE OF SDMH2-1-1. MANAGE BYPASS FLOWS, DESIGN, INSTALL AND MAINTAIN TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S), AND MAINTAIN GROUNDWATER TO A DEPTH BELOW THE BOTTOM OF EXCAVATION, IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD SEWER AND WATER MAIN SPECIFICATIONS, INCLUDING:
 - PARAGRAPHS 10.13 AND 50.71.2(H) FOR MANAGING BYPASS FLOWS,
 - PARAGRAPHS 40.05 FOR TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S),
 - PARAGRAPHS 40.02.15 FOR DISPOSAL OF WATER.
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF A SUITABLE TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S), SUBJECT TO THE REVIEW AND APPROVAL BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION ENGINEER.
- THE CONTRACTOR(S) SHALL SUBMIT THEIR PROPOSED METHOD FOR MAINTAINING BYPASS FLOWS TO THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION ENGINEER FOR APPROVAL A MINIMUM OF 30 DAYS PRIOR TO WHEN THEY PLAN TO BEGIN WORK ON THE COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S).
- IF THE CONTRACTOR(S) ELECTS TO CONSTRUCT A TEMPORARY DIVERSION SEWER FOR MANAGING BYPASS FLOWS, THEY SHALL BE RESPONSIBLE FOR REPAIRING/REPLACING THE PORTIONS OF THE SEWER AT THE POINTS OF CONNECTION TO THE DIVERSION.
- THE FOLLOWING POTENTIAL SEQUENCE OF CONSTRUCTION RELATED TO SDMH2-1-1 IS IDENTIFIED AS AN APPROACH OPTION. THE CONTRACTOR(S) IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION APPROACH AND CONSTRUCTION SEQUENCE RELATED TO SDMH2-1-1.
 - BLOCK AND PREVENT STORMWATER AND RIVER WATER FROM ENTERING THE SDMH2-1-1 CONSTRUCTION ZONE BY INSTALLING AIR BLADDERS OR OTHER EQUIVALENT MEASURES IN THE PIPE AT DOWNSTREAM AND UPSTREAM MAINTENANCE HOLES TO PREVENT WATER FROM ENTERING THE PIPE WITHIN THE ZONE OF CONSTRUCTION.
 - CONSTRUCT TEMPORARY COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S) AS REQUIRED TO CONSTRUCT SDMH2-1-1.
 - CONSTRUCT A TEMPORARY DIVERSION SEWER AND/OR PUMPS TO BYPASS WATER TO THE EXISTING OUTFALL.
 - DEMOLISH AND REMOVE THE EXISTING OUTFALL SEWER WITHIN THE LIMITS OF THE COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S) FOR THE PROPOSED SDMH2-1-1 STRUCTURE. NOTE THAT THE EXISTING SEWERS ARE SUPPORTED ON PILES AND ON A CONCRETE CRADLE. THE CONTRACTOR(S) SHALL REMOVE ANY PIPE, STRUCTURE, OR PILES DOWN TO 18 INCHES BELOW THE PROPOSED BOTTOM OF THE NEW SDMH2-1-1.
 - INSTALL PILES FOR THE SDMH2-1-1 STRUCTURE (SEE REFERENCED NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD DETAILS AND SPECIFICATIONS).
 - CONSTRUCT THE SDMH2-1-1 STRUCTURE AND SEWER PIPE CONNECTIONS (SEE REFERENCED NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD DETAILS AND SPECIFICATIONS).
 - REMOVE THE COFFERDAM/WATERTIGHT SHEETING AND BRACING SYSTEM(S) AND BACKFILL WITH SELECT GRANULAR FILL.
 - REMOVE THE TEMPORARY DIVERSION SEWER (AND REPAIR/REPLACE SEWER AT CONNECTION) AND/OR PUMPS.
 - REMOVE THE AIR BLADDERS OR OTHER EQUIVALENT MEASURES.

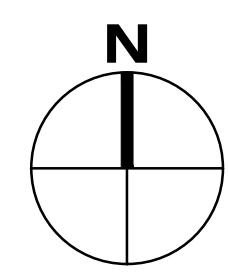


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ANSI D 22" x 34"

NOTES:

- SEE SHEET C001 FOR LEGEND AND ABBREVIATIONS.
- SEE SHEET C002 FOR GENERAL NOTES, WATER NOTES, AND SANITARY SEWER.
- PIPES AND FITTINGS FOR PROPOSED WATER LINES TO BE EQUIPPED WITH RESTRAINED JOINTS WHERE LOCATED IN/OR NEAR GEOFOAM AND/OR WHERE THRUST BLOCKS CANNOT BE USED.



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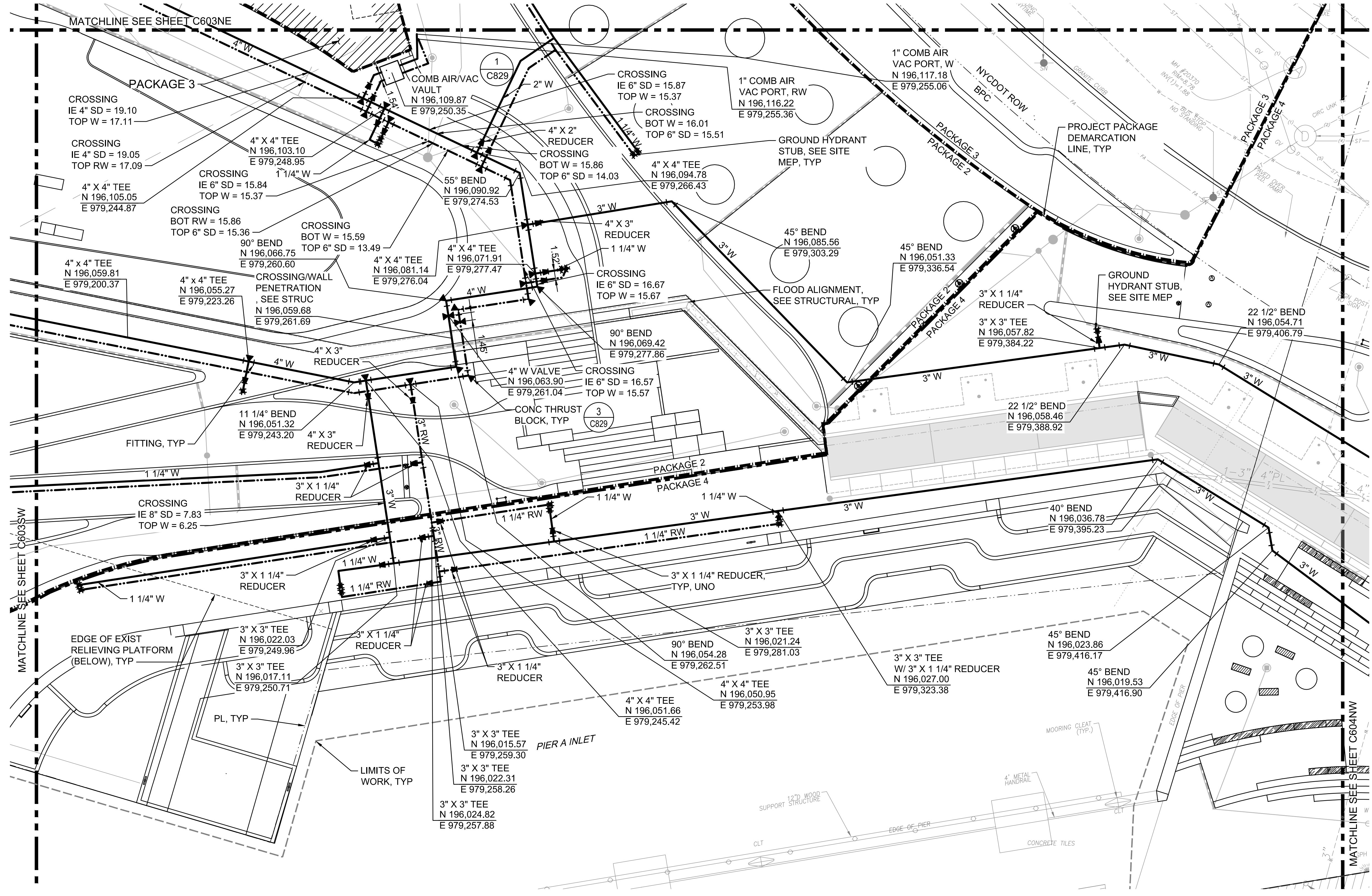
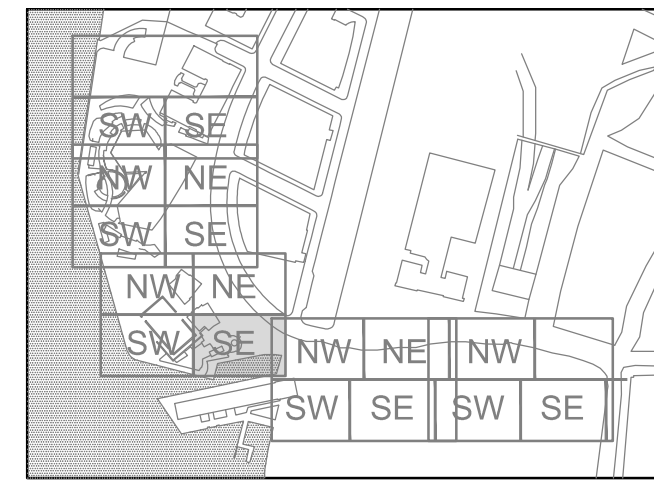
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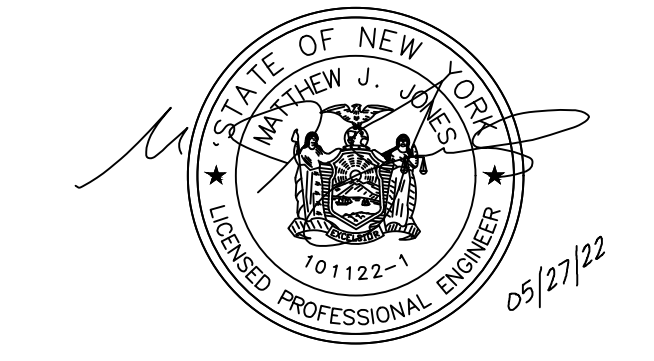
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KEY PLAN



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Drawn By: J. POPE
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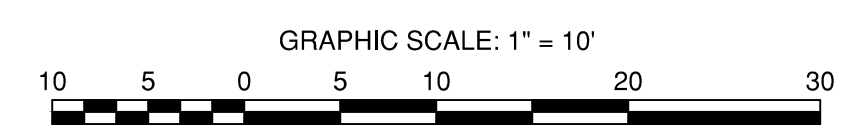
Contract No. 18-2586

SHEET TITLE

WATER AND SEWER PLAN 09

SHEET NUMBER

C603SE

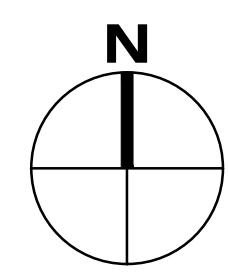


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ANSI D 22" x 34"

NOTES:

- 1. SEE SHEET C001 FOR LEGEND AND ABBREVIATIONS.
- 2. SEE SHEET C002 FOR GENERAL NOTES, WATER NOTES, AND SANITARY SEWER.
- 3. PIPES AND FITTINGS FOR PROPOSED WATER LINES TO BE EQUIPPED WITH RESTRAINED JOINTS WHERE LOCATED IN/OR NEAR GEOFOAM AND/OR WHERE THRUST BLOCKS CANNOT BE USED.



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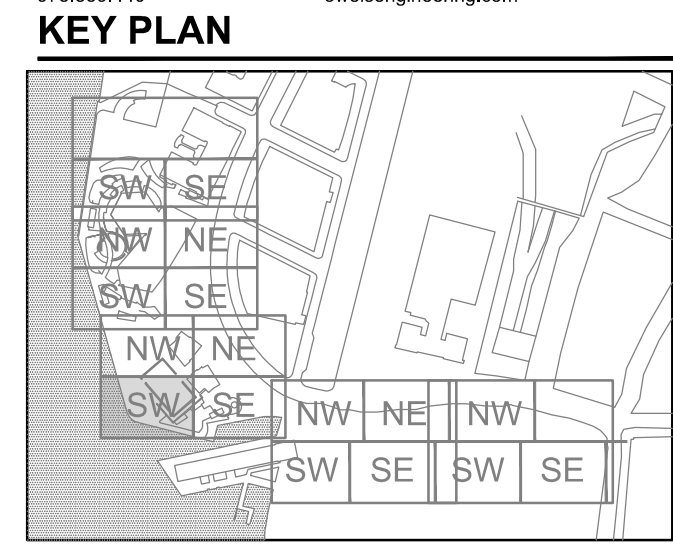
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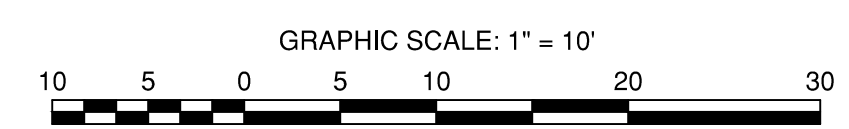
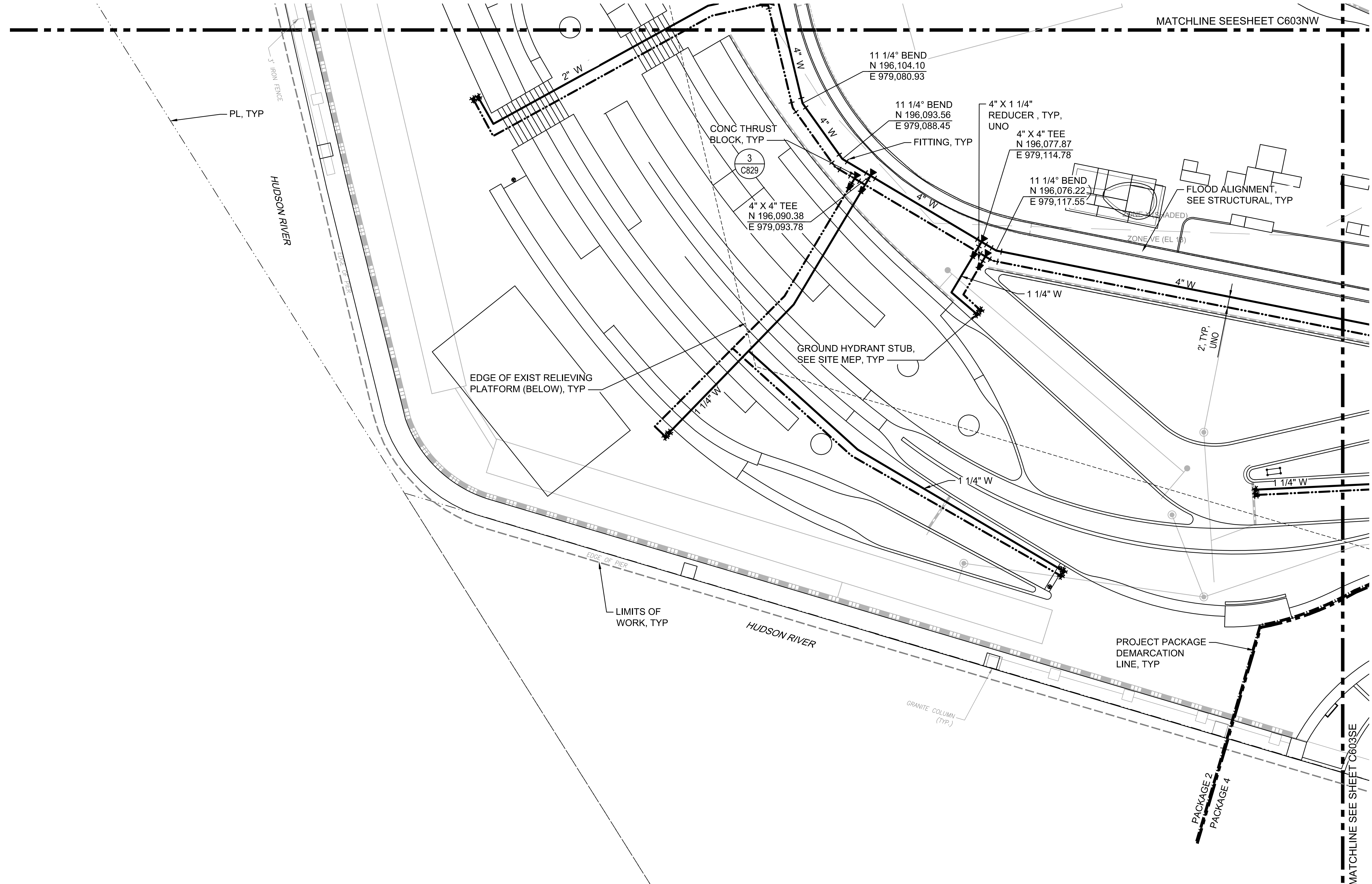
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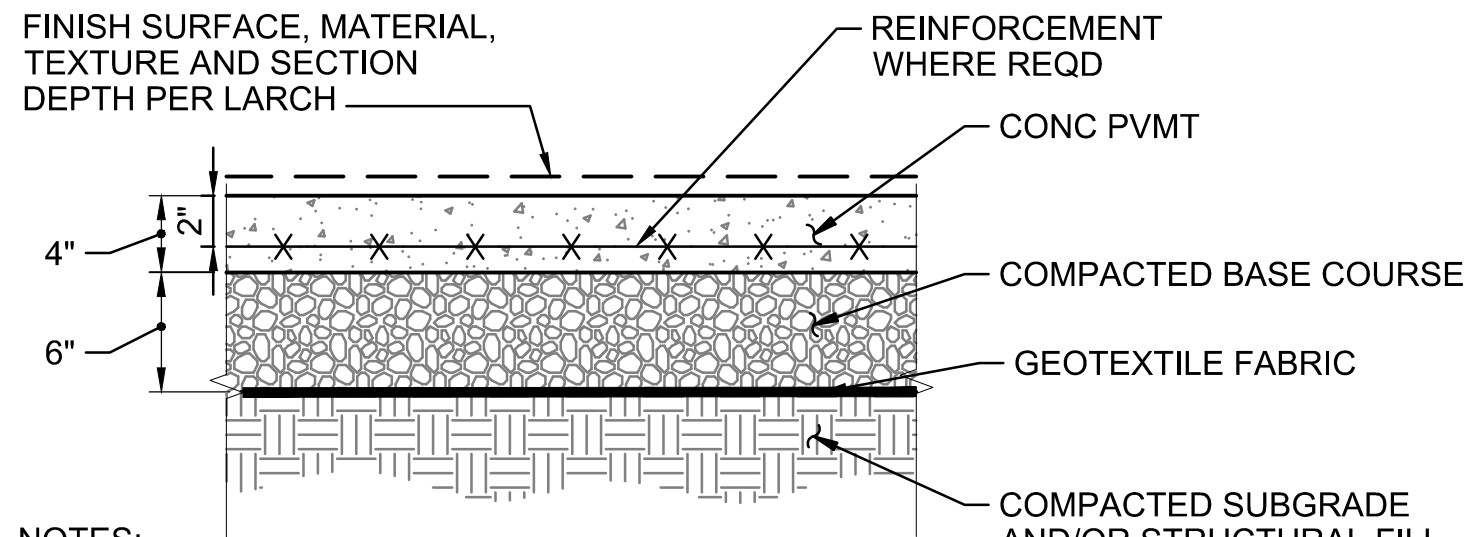
WATER AND SEWER PLAN 10

SHEET NUMBER

C603SW



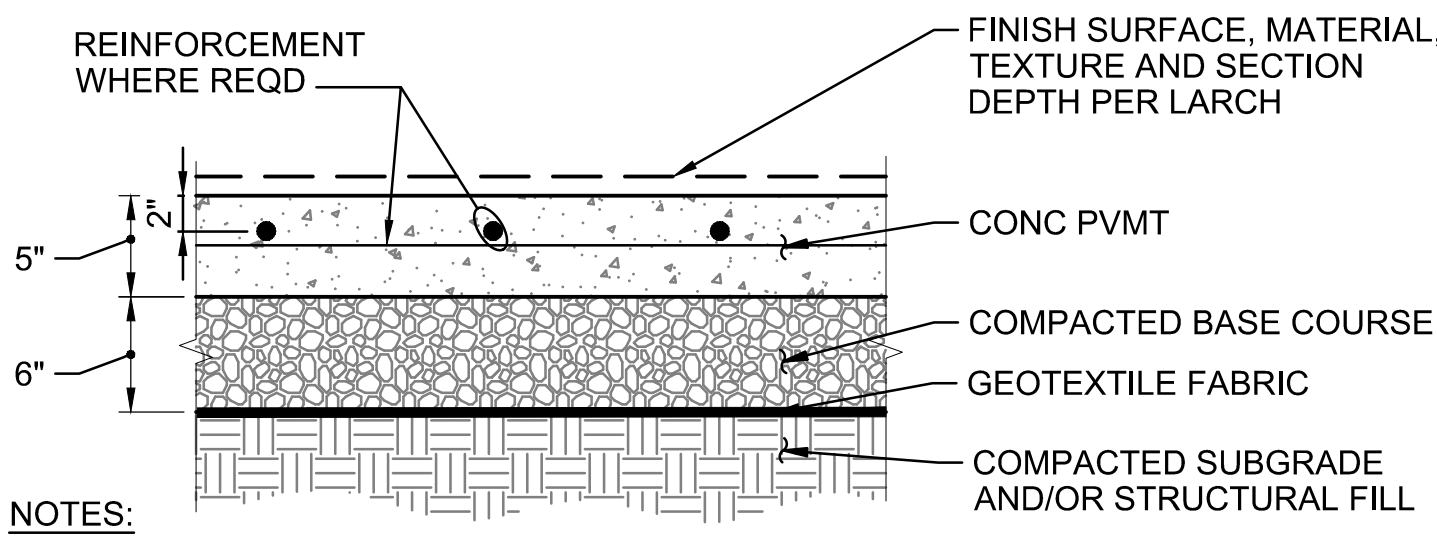
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NOTES:

- PROVIDE EXPANSION JOINT WHEN PAVEMENT ABUTS FIXED OBJECTS, CONCRETE CURBS AND PADS, STRUCTURAL FOUNDATION, AND/OR RIMS.
- PROVIDE WEAKENED PLANE JOINTS AS FOLLOWS:
 - 8'-0" OC MAXIMUM
 - PANELS SHALL HAVE MAXIMUM LENGTH TO WIDTH RATIO OF 1.25
- WHERE LENGTH TO WIDTH RATIO IS EXCEEDED OR PANELS ARE NON-RECTANGULAR, AND/OR WHERE INDICATED ON DRAWINGS PROVIDE 6x6 W2.9xW2.9 WELDED WIRE REINFORCEMENT.
- SEE LANDSCAPE DRAWINGS FOR SCORING AND ADDITIONAL JOINT LAYOUT INFORMATION.
- REFER TO SHEET C002 FOR SITE PAVING SECTION GENERAL NOTES.

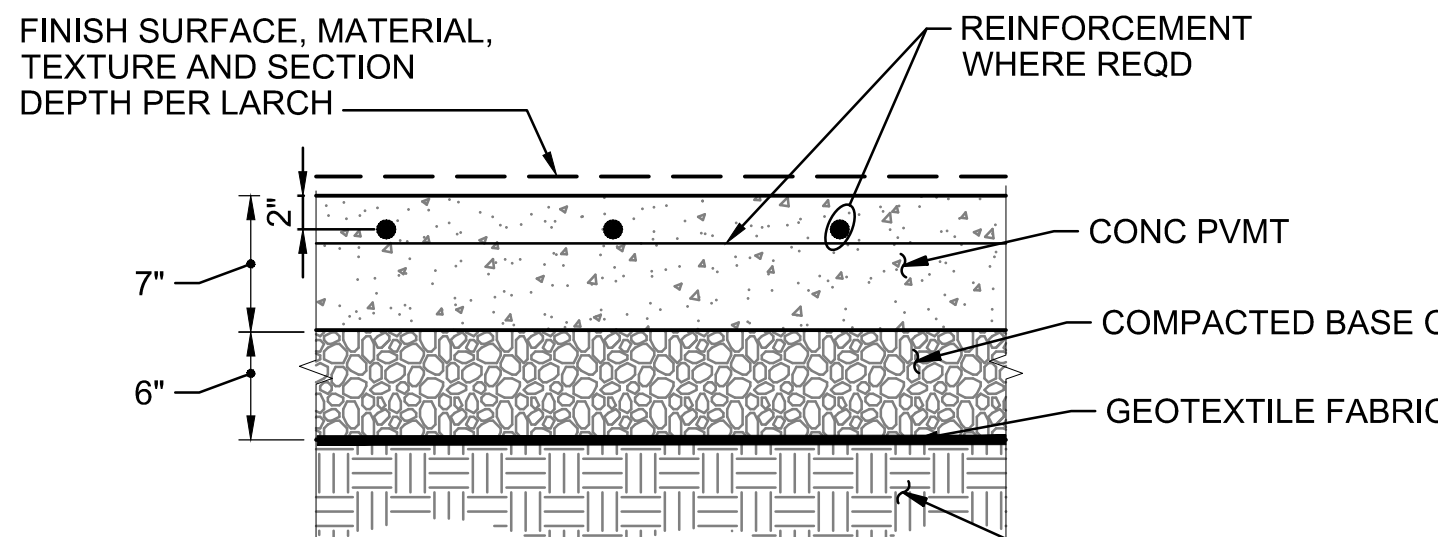
1 PEDESTRIAN AND LIGHT-DUTY VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS
C201SW, C201SE, C202NE, C202NW, C202SW, C202SE, C203NW, C203NE, C203SW, C203SE, C204NW, C204NE, C204SE, C204SW, C205NW, C205SE, C801, C802



NOTES:

- PROVIDE EXPANSION JOINT WHEN PAVEMENT ABUTS FIXED OBJECTS, CONCRETE CURBS AND PADS, STRUCTURAL FOUNDATION, AND/OR RIMS.
- UNLESS NOTED OTHERWISE, PROVIDE WEAKENED PLANE JOINTS AS FOLLOWS:
 - 12'-0" OC MAXIMUM
 - PANELS SHALL HAVE MAXIMUM LENGTH TO WIDTH RATIO OF 1.25
- WHERE LENGTH TO WIDTH RATIO IS EXCEEDED OR PANELS ARE NON-RECTANGULAR, AND/OR WHERE INDICATED ON DRAWINGS, PROVIDE REINFORCING WITH #5 @ 18" OC. EV
- SEE LANDSCAPE DRAWINGS FOR SCORING AND ADDITIONAL JOINT LAYOUT INFORMATION.
- REFER TO SHEET C002 FOR SITE PAVING SECTION GENERAL NOTES.

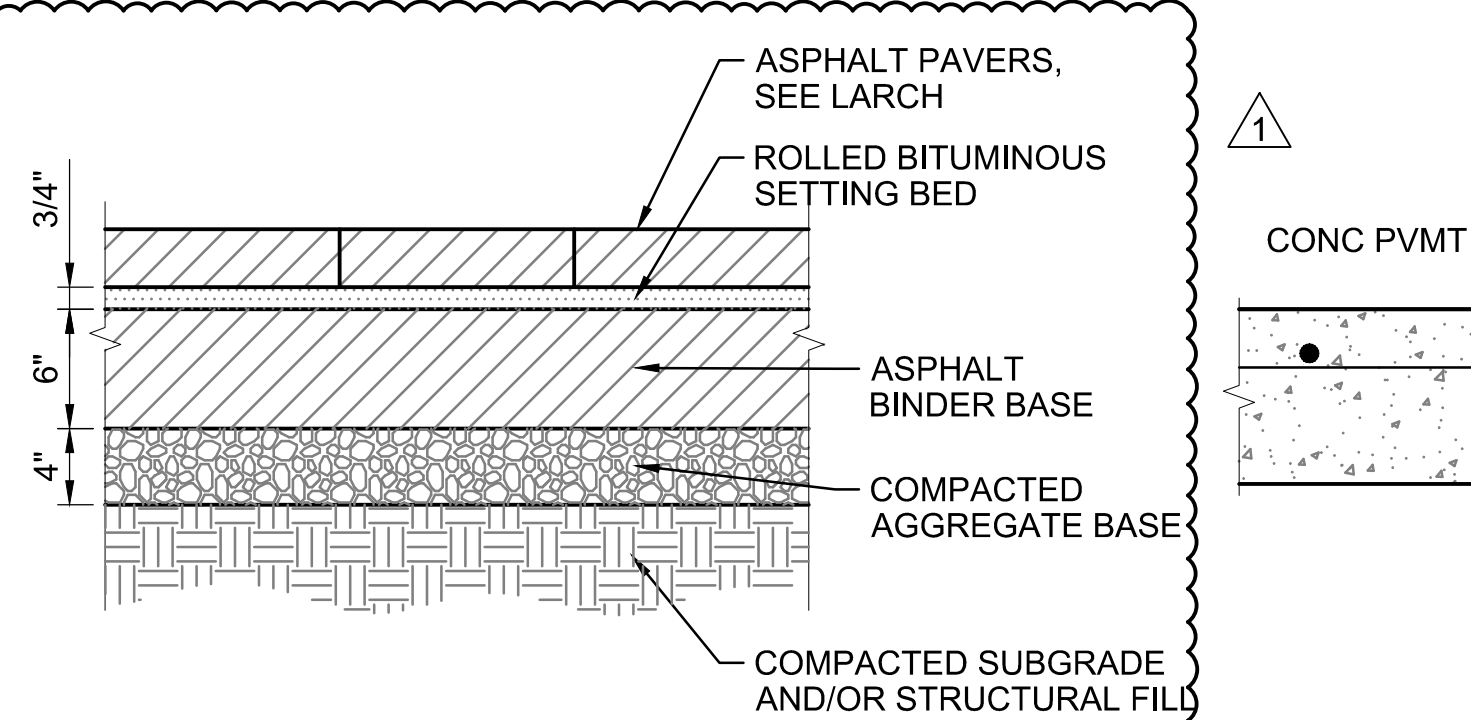
2 MEDIUM-DUTY VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS
C202NE, C202NW, C202SW, C202SE, C203NW, C203SE, C203NW, C204NW, C204NE, C205NW, C802



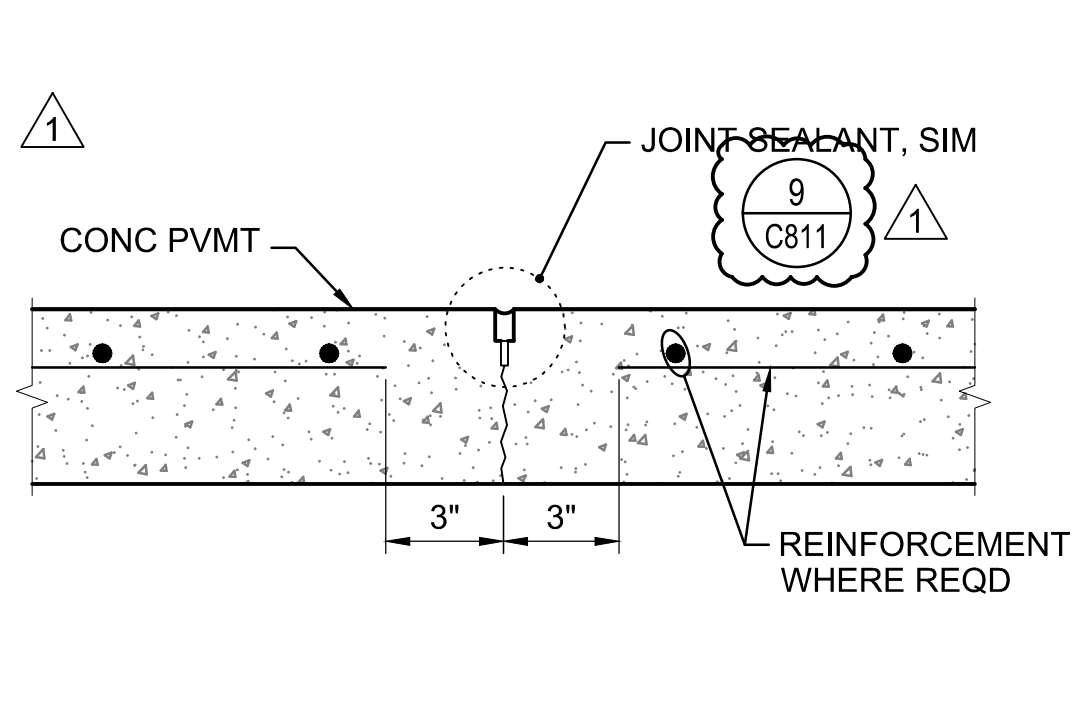
NOTES:

- SEE (2) NOTES.

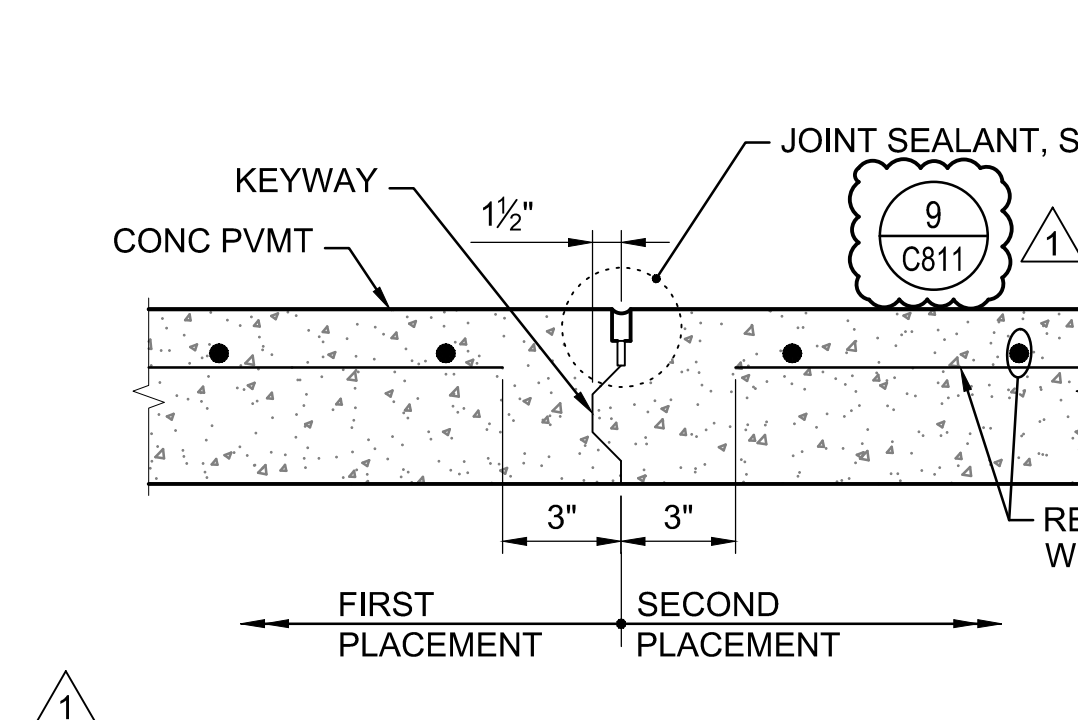
3 HEAVY-DUTY VEHICULAR PAVEMENT SECTION (PACKAGE 2, 4)
SCALE: NTS
C201SW, C201SE, C203SE, C204NW, C204SW



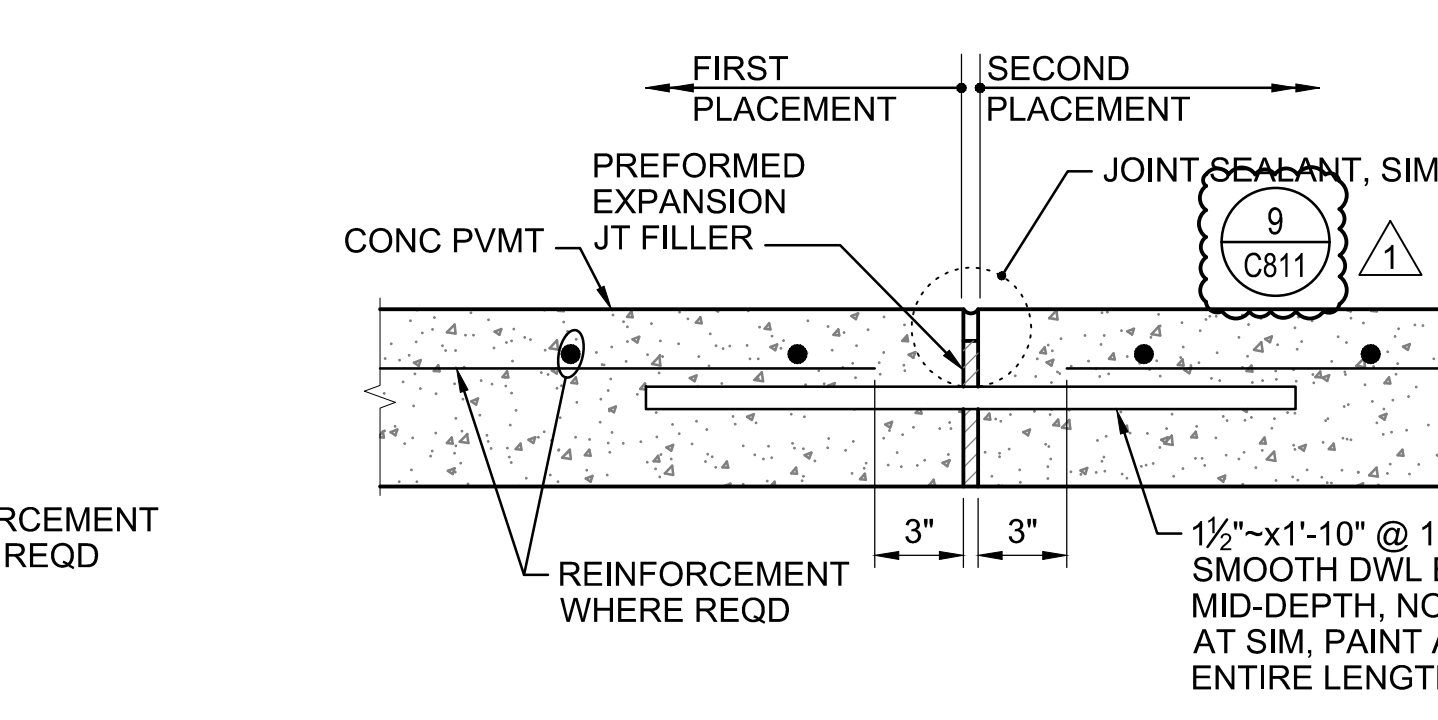
4 BIKE PATH ASPHALT PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS



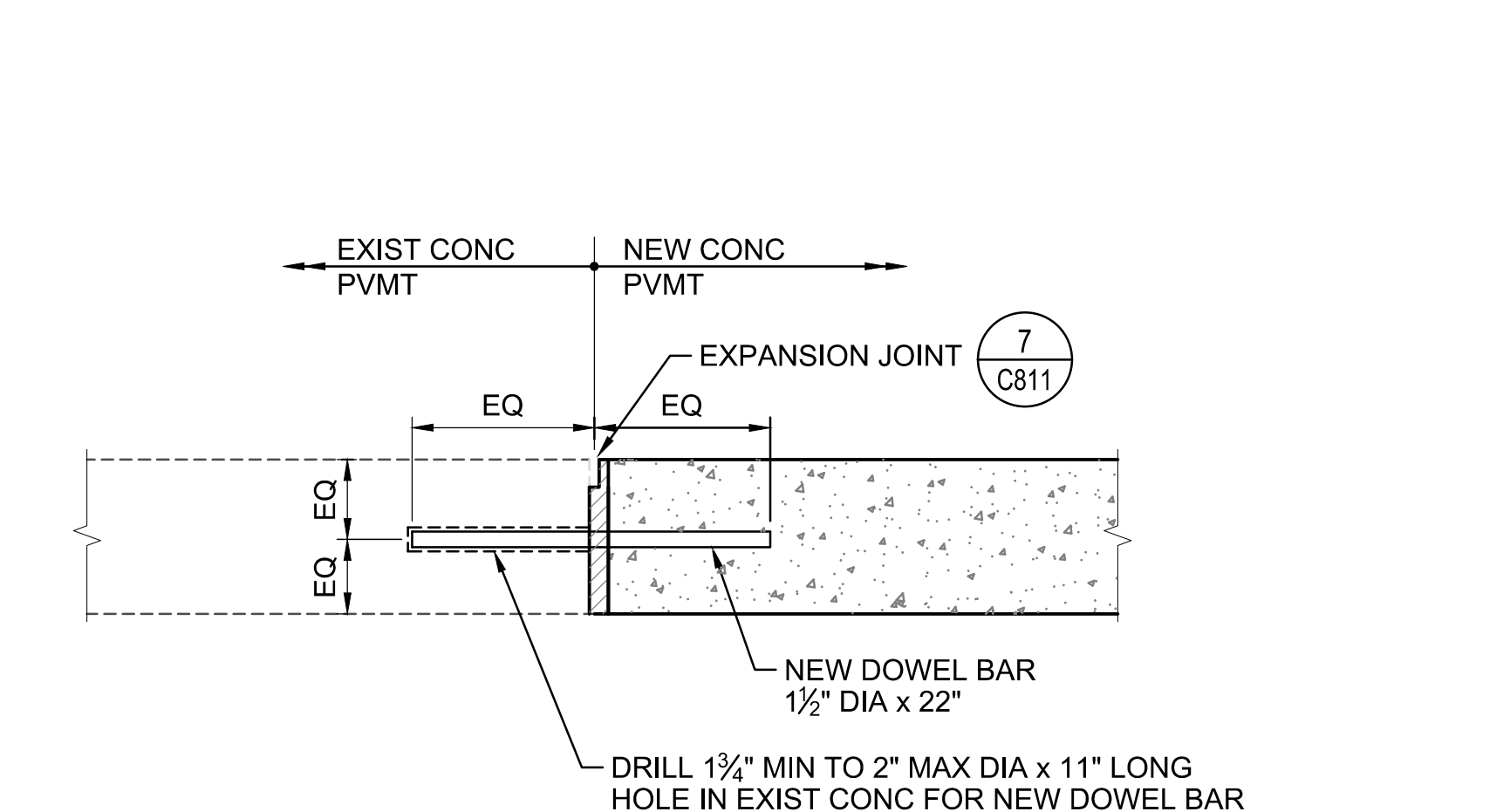
5 WEAKENED PLANE JOINT (WPJ) VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS



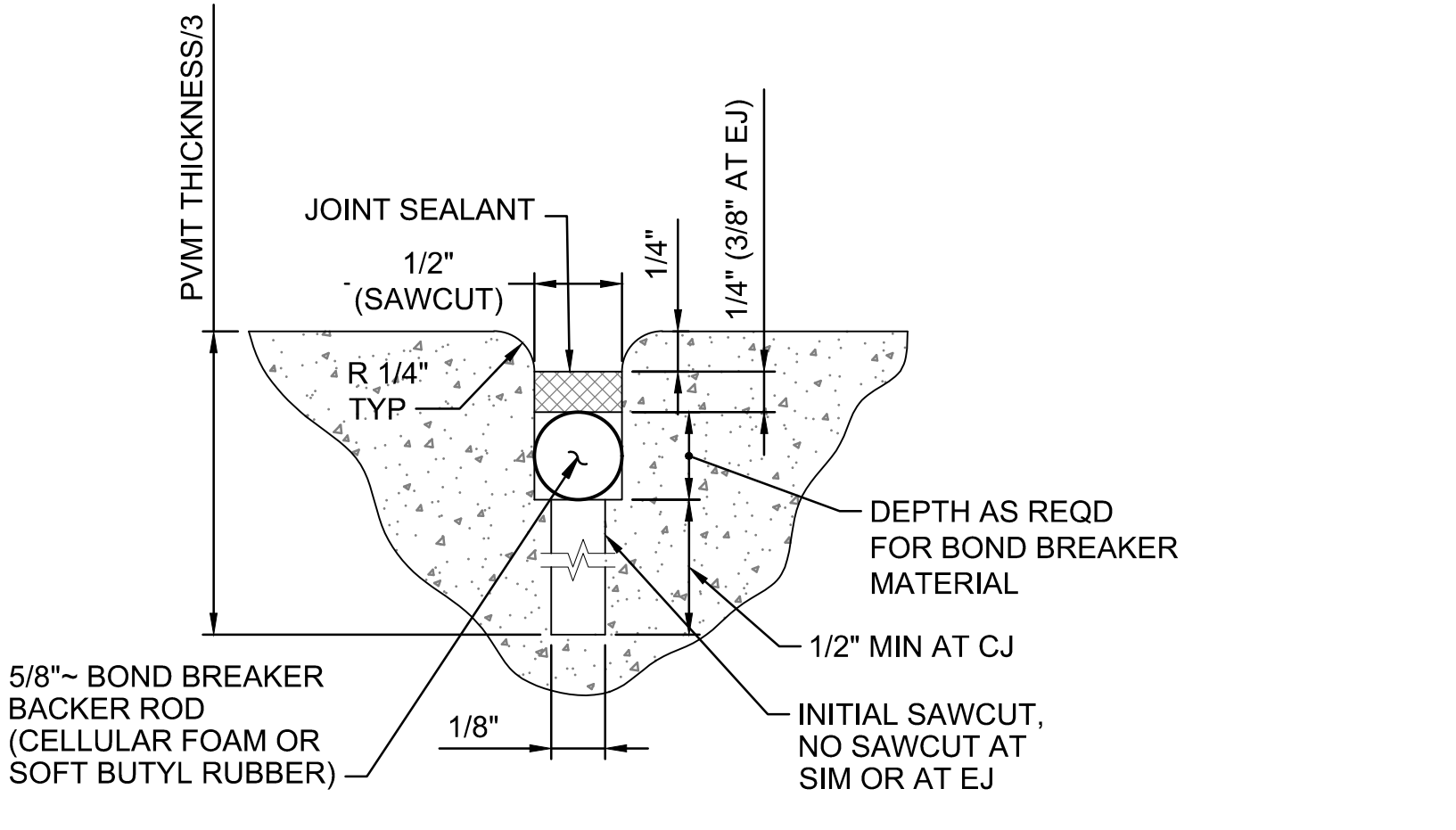
6 CONSTRUCTION JOINT (CJ) VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS



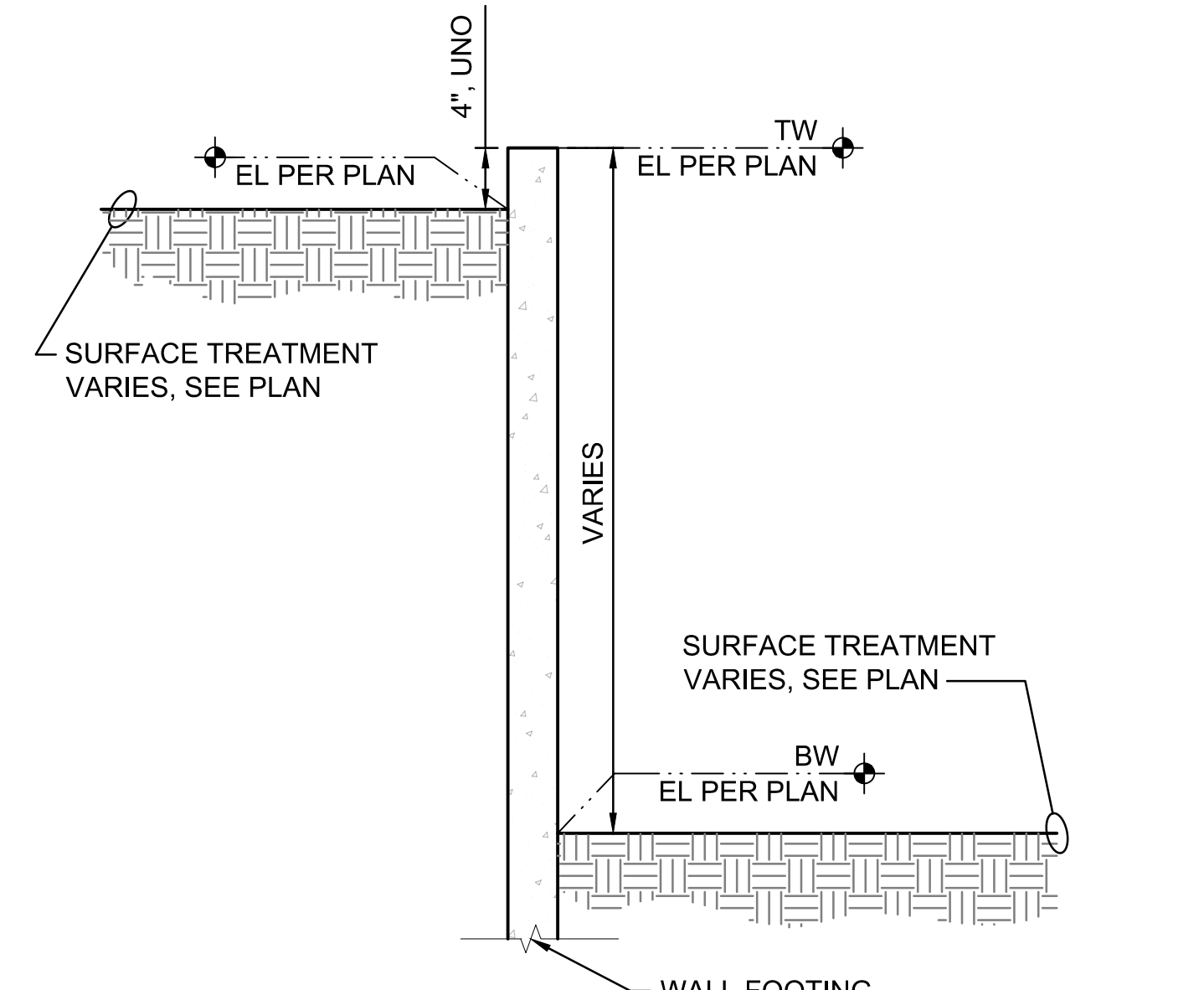
7 EXPANSION JOINT (EJ) VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS
C811, C813, C823



8 DOWELED JOINT AT CONNECTION TO EXISTING PAVEMENT VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS



9 JOINT SEALANT VEHICULAR PAVEMENT SECTION (PACKAGE 2, 3, 4)
SCALE: NTS



10 EXPOSED WALL DETAIL (PACKAGE 2, 4)
SCALE: NTS

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KEY PLAN

REGISTRATION

ISSUE/REVISION	

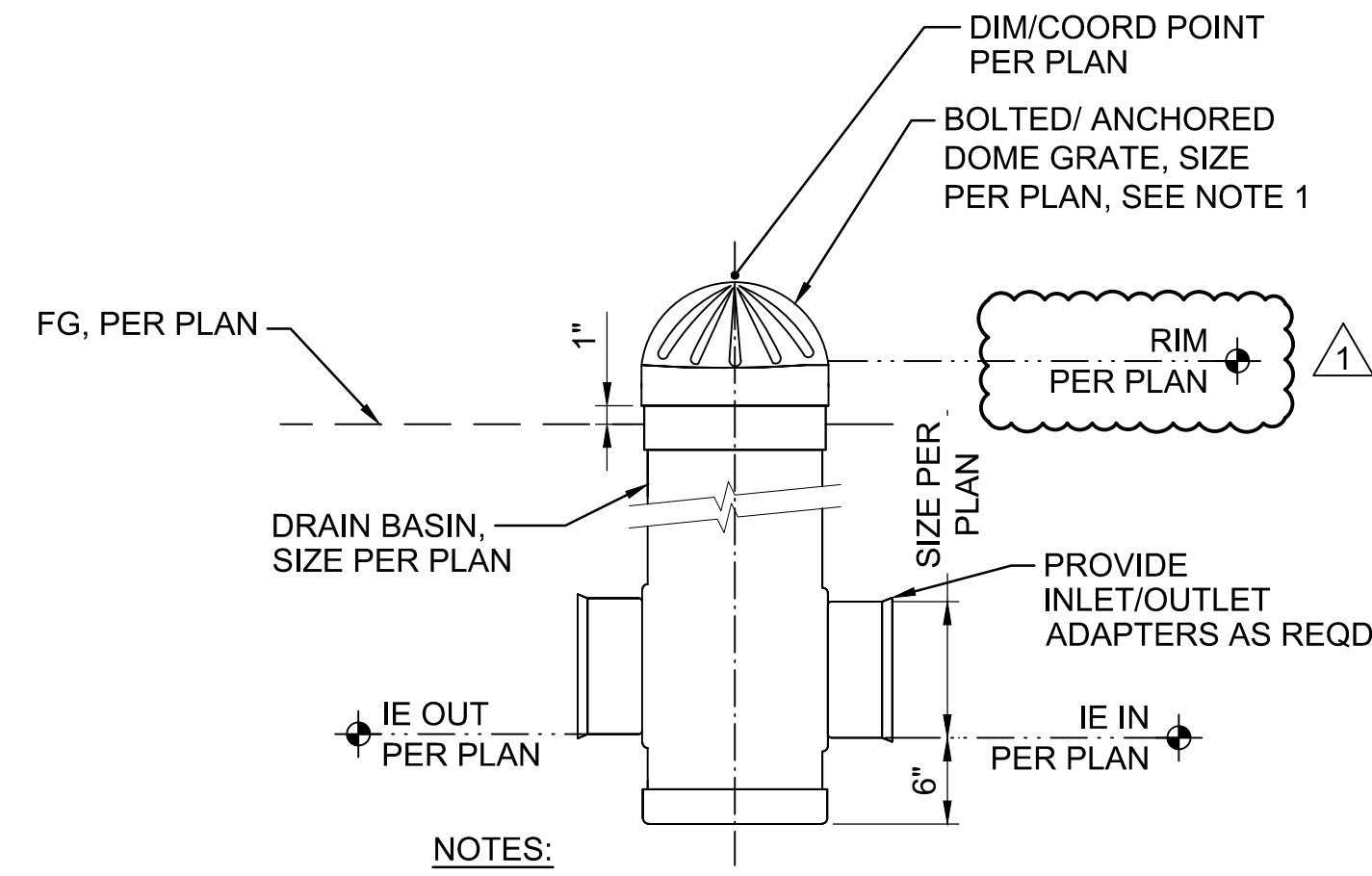
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SECTIONS AND DETAILS

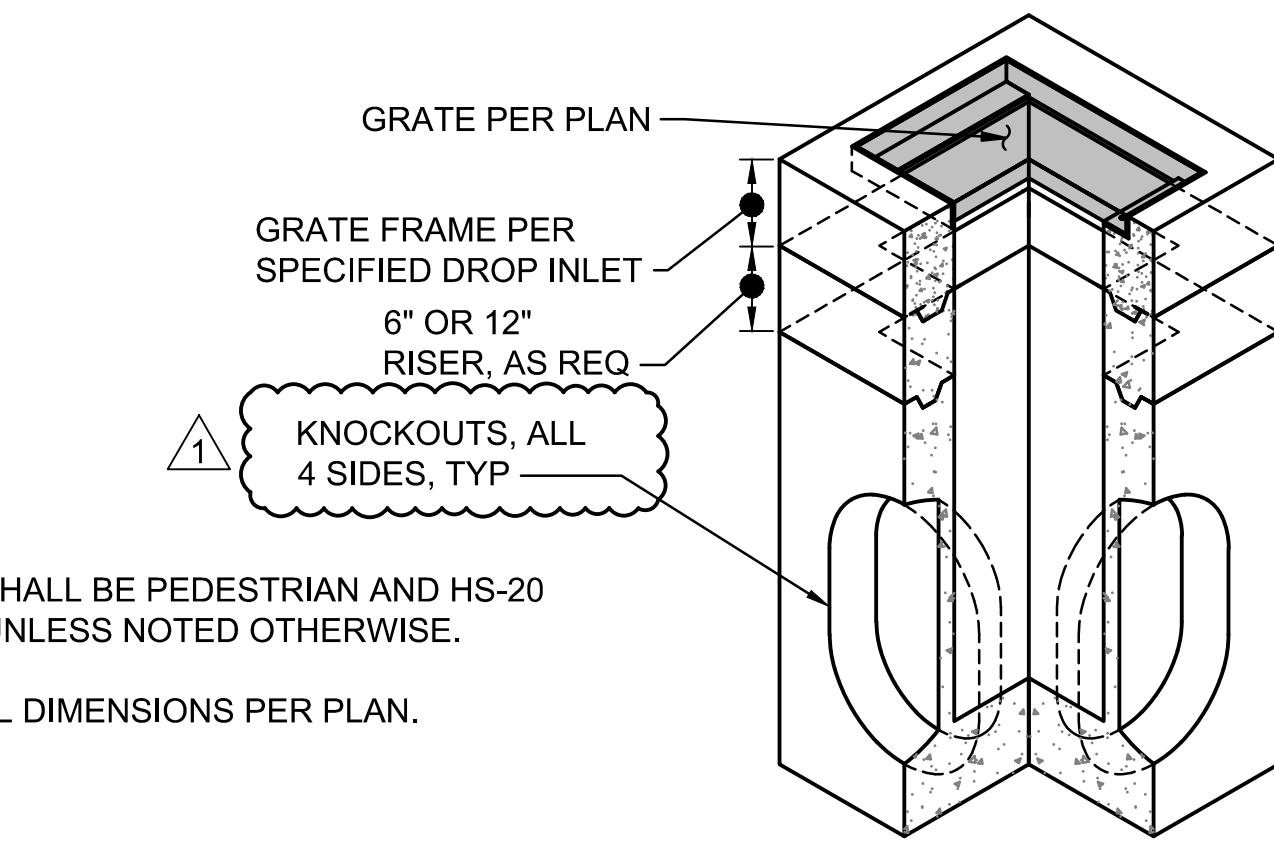
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C811

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1 AREA DRAIN (PACKAGES 2, 4)
SCALE: NTS

C401NW, C401NE, C402NW, C402NE, C402SW, C402SE, C403NW, C403NE, C403SW, C403SE, C404NW, C404SW, C404NE, C404SE, C405NW, C405SW

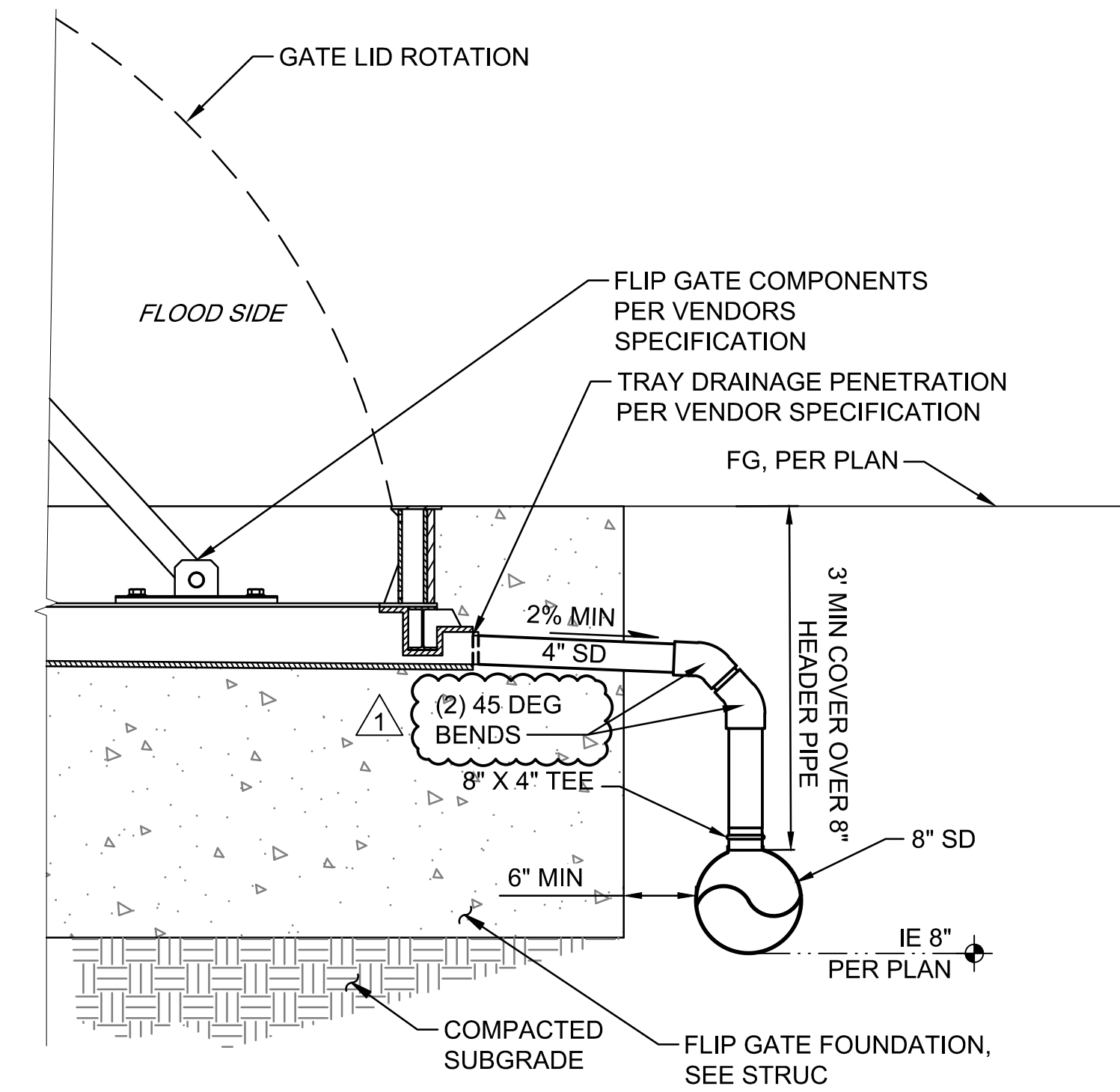


NOTES:

- COVER SHALL BE PEDESTRIAN AND HS-20 RATED, UNLESS NOTED OTHERWISE.
- VERTICAL DIMENSIONS PER PLAN.

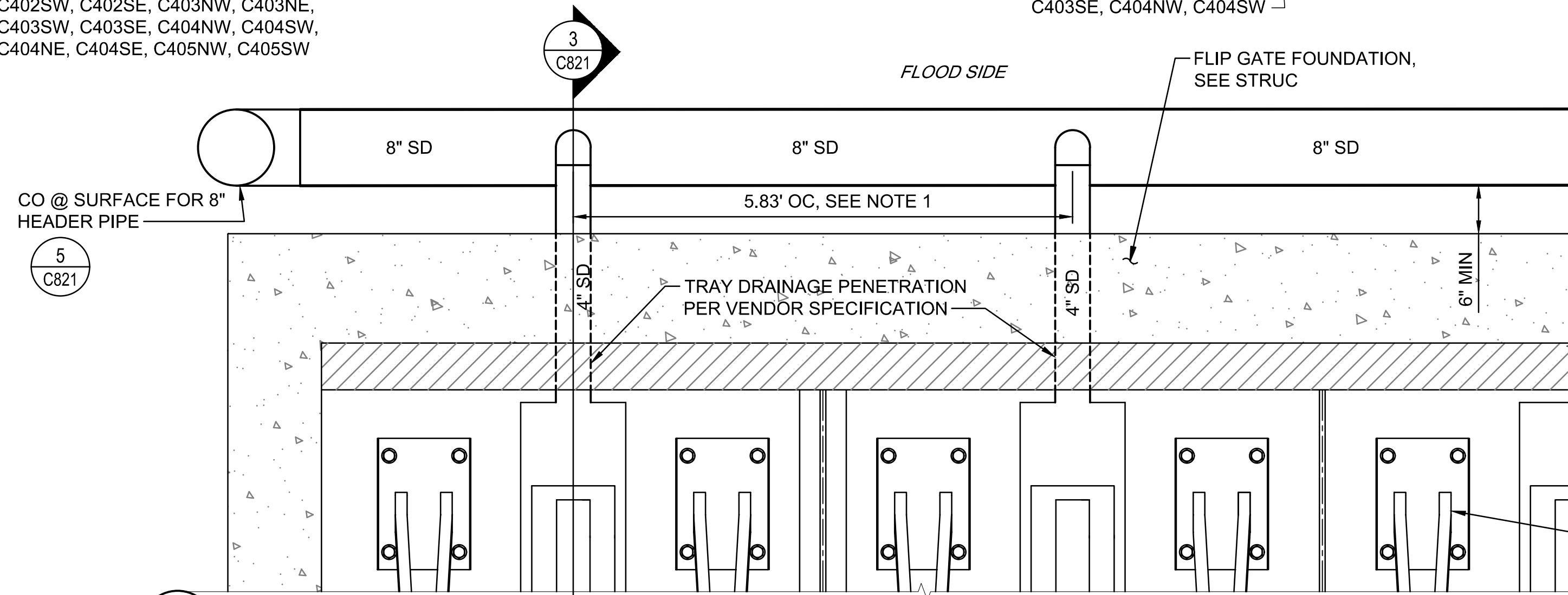
2 INLET (PACKAGES 2, 4)
SCALE: NTS

C401NW, C401NE, C402SW, C402SE, C403SE, C404NW, C404SW



3 FLIP GATE DRAINAGE, SECTION (PACKAGE 2, 4)
SCALE: NTS

C821

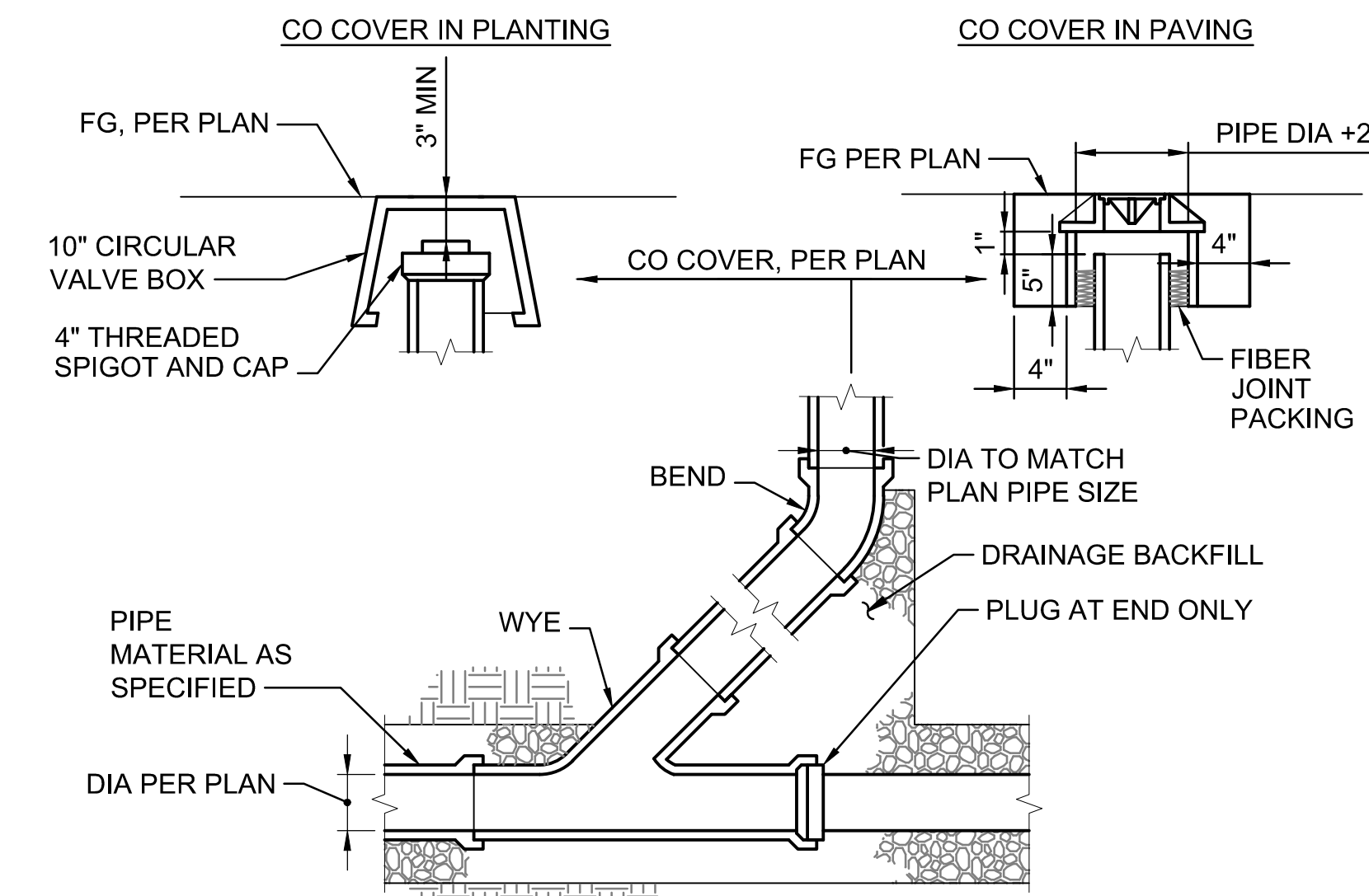


NOTES:

- PRECISE LOCATION OF TRAY DRAINAGE WILL VARY BASED ON FLIP GATE INSTALLATION. COORDINATE 4\"/>

4 FLIP GATE DRAINAGE, PLAN (PACKAGE 2, 4)
SCALE: NTS

C401NW, C402SW, C403SE, C404NW, C404NE



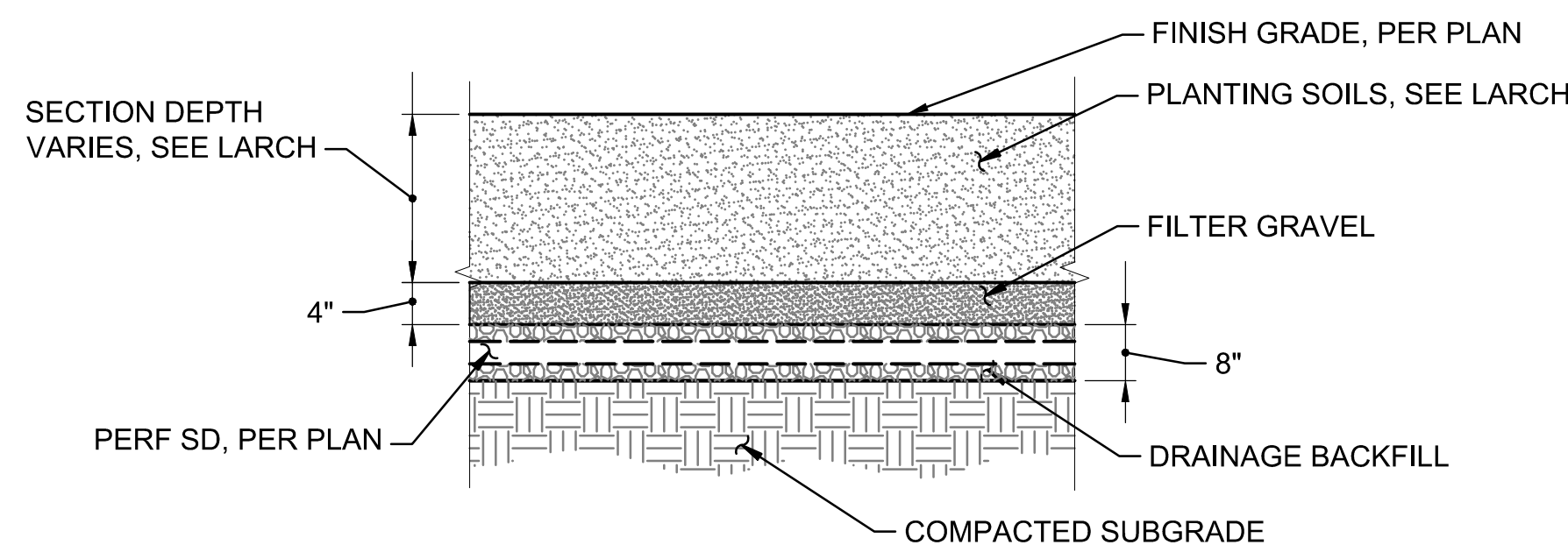
NOTES:

- STORM DRAIN SHALL HAVE "SD" EMBOSSED ON LID.
- FOUNDATION DRAIN SHALL HAVE "FD" EMBOSSED ON LID.
- SANITARY SEWER SHALL HAVE "SS" EMBOSSED ON LID.

- CLEANOUTS IN PLANTING AREAS IN THE BATTERY SHALL BE INSTALLED IN A CONCRETE COLLAR IN ACCORDANCE WITH DPR STANDARDS.

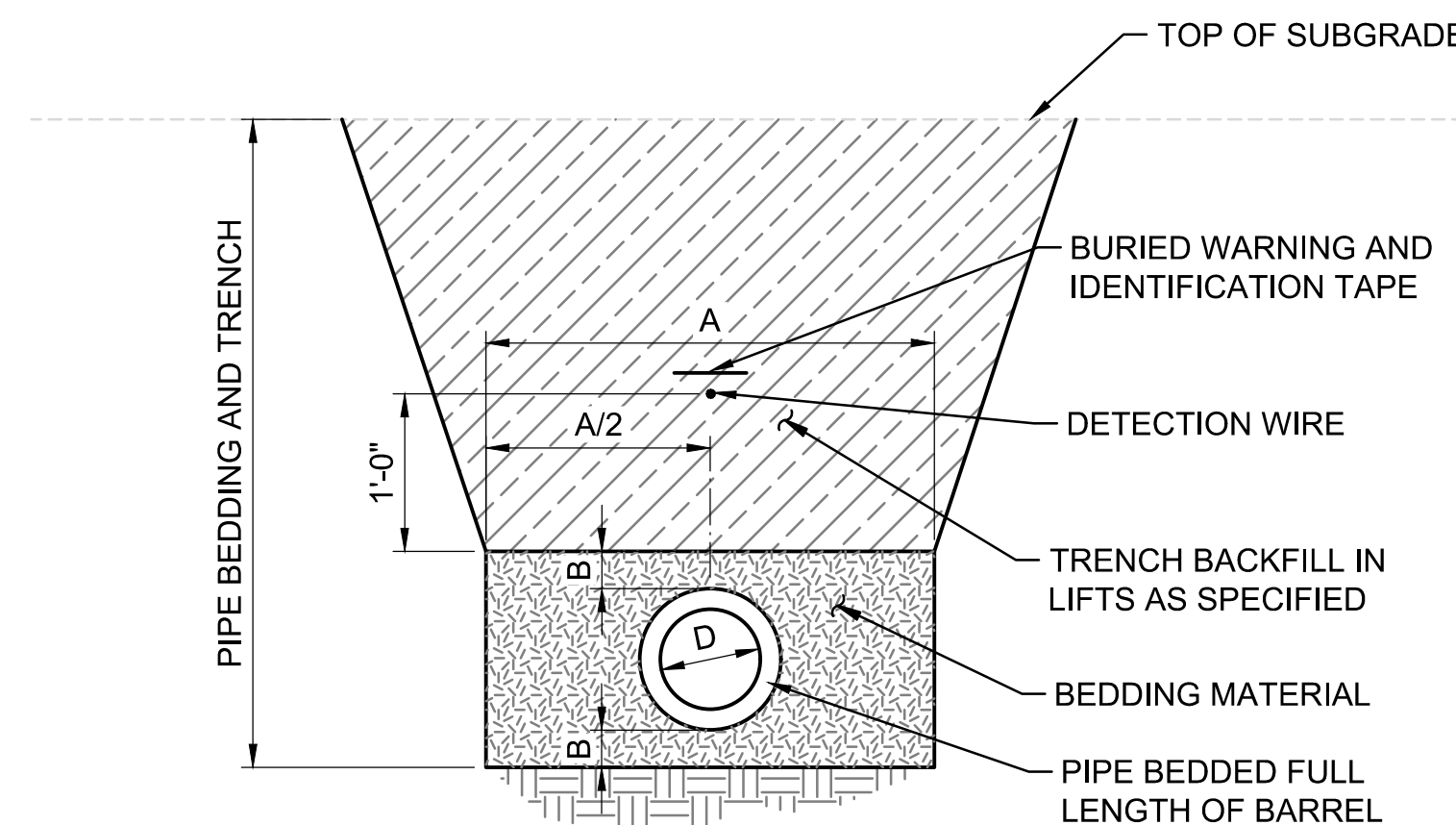
5 CLEANOUT (PACKAGES 2, 3, 4)
SCALE: NTS

C401NW, C401NE, C402NW, C402NE, C402SW, C402SE, C403NW, C403NE, C403SW, C403SE, C404NW, C404SW, C404NE, C404SE, C405NW, C405SW, C501NW, C501NE, C502NW, C502NE, C502SW, C502SE, C503NW, C503NE, C503SW, C503SE, C504NW, C504SW, C504NE, C504SE, C505NW, C505SW, C801, C821, C913



6 SUBDRAINAGE (PACKAGE 2, 4)
SCALE: NTS

C501SW, C501SE, C502NW, C502NE, C502SW, C502SE, C503NW, C503NE, C503SW, C503SE, C504NW, C504SW, C504NE, C504SE, C505NW, C505SW, C801



NOTES:

- SEE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD SPECIFICATIONS AND DEPARTMENT OF DESIGN AND CONSTRUCTION STANDARD DETAILS FOR TRENCH SECTION, BEDDING AND BACKFILL REQUIREMENTS OF PUBLIC STORM SEWERS.

7 STORM PIPE BEDDING & TRENCH SECTION (PACKAGES 2, 4)
SCALE: NTS

PIPE DIAMETER "D"	MAX "A"	MIN "B"
8" AND SMALLER	D + 12"	4"
10" THROUGH 16"	D + 30"	4"
18" THROUGH 24"	(1.5xD) + 18"	4"
30" AND LARGER	(1.5xD) + 18"	6"

REGISTRATION

ISSUE/REVISION

△ JUNE 2022 RESPONSES TO QUESTIONS

IR DATE DESCRIPTION

Designed By: B. DUPUY

Drawn By: J. POPE

Checked By: S. HALUSCHAK

Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

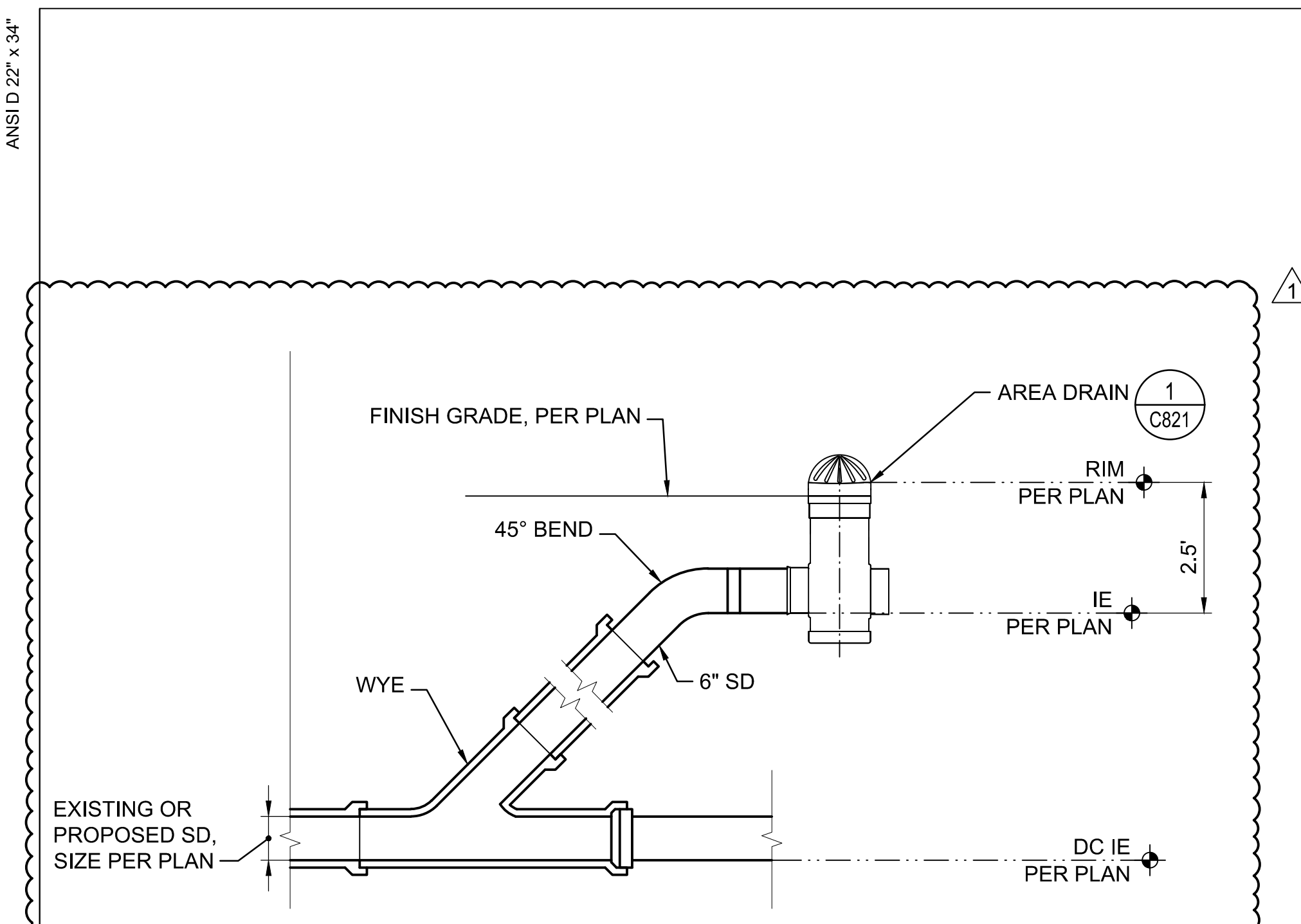
Contract No. 18-2586

SHEET TITLE

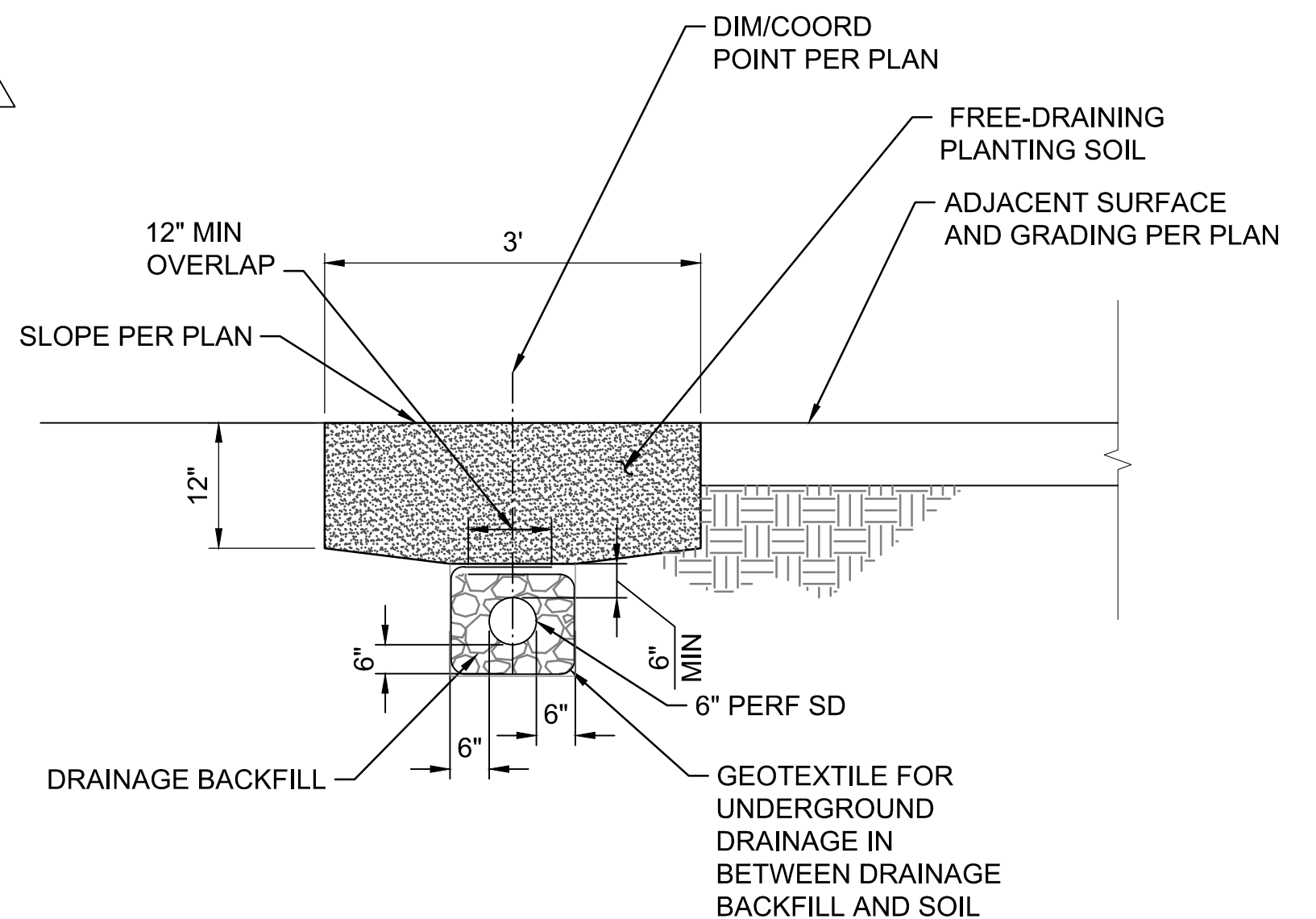
SECTIONS AND DETAILS

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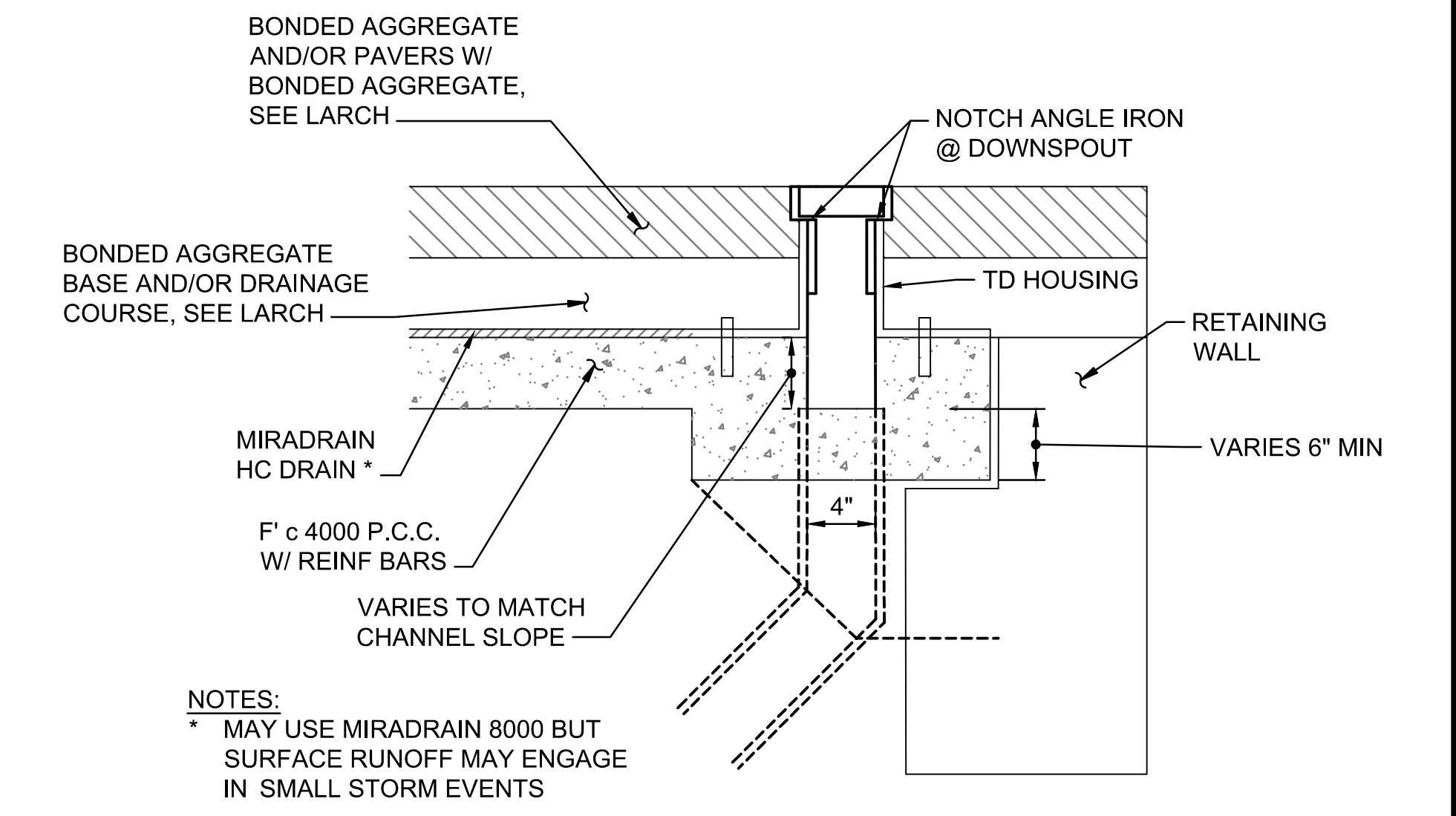
C821



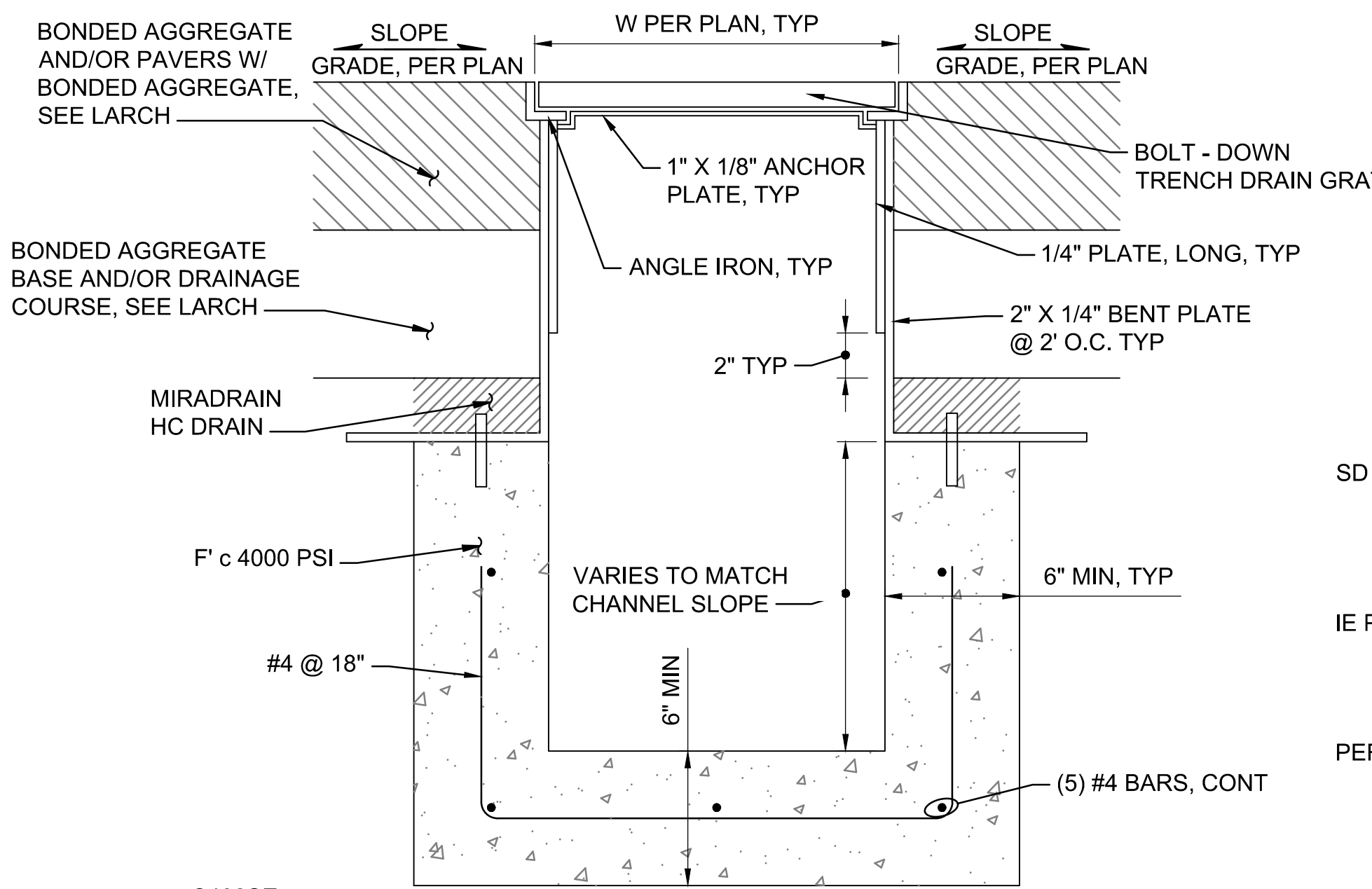
1 AREA DRAIN DROP CONNECTION (PACKAGES 2, 3, 4)
SCALE: NTS
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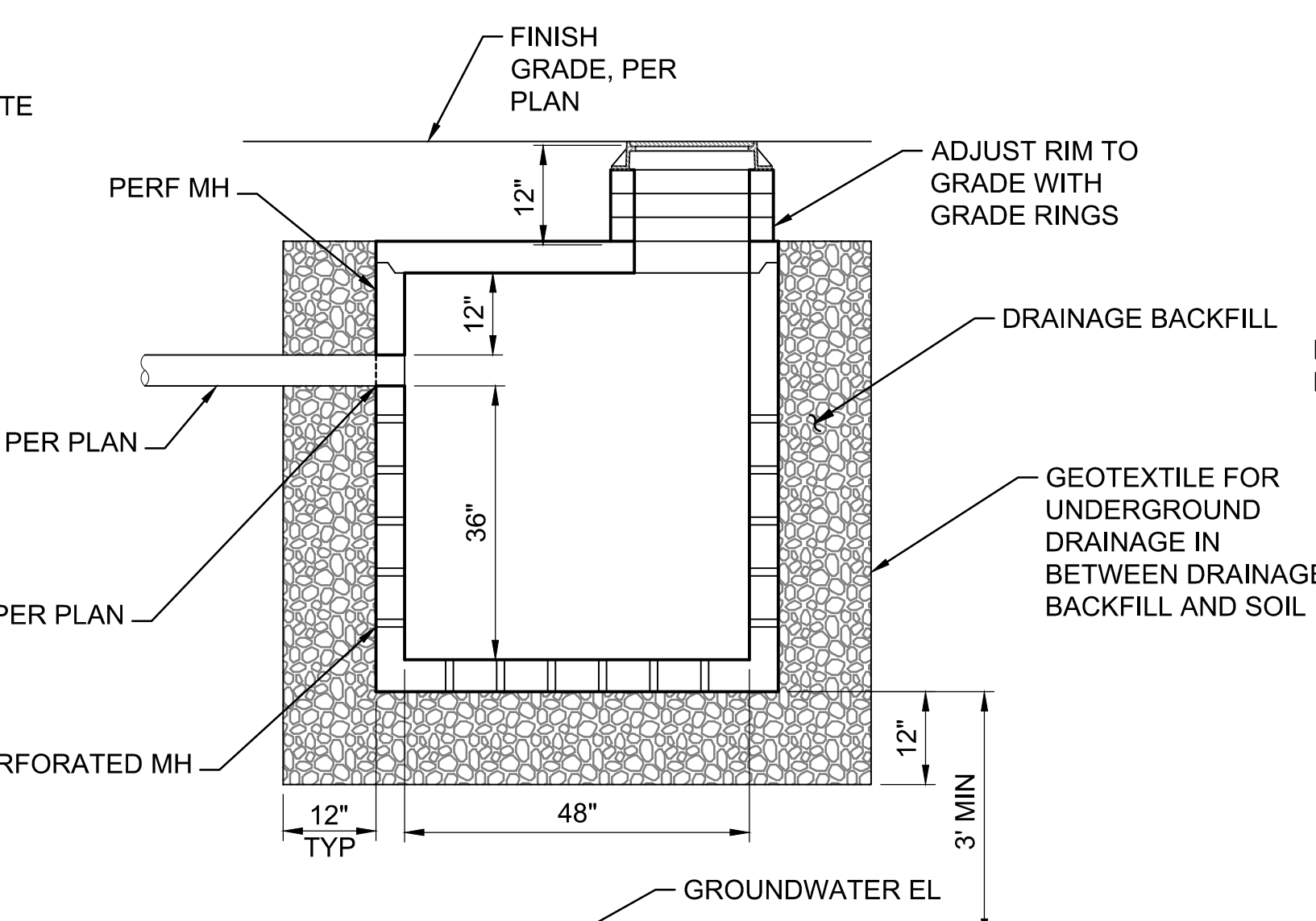
2 LAWN FRENCH DRAIN (PACKAGE 2)
SCALE: NTS
C402SW, C403NW, C403SW, C403SE, C801



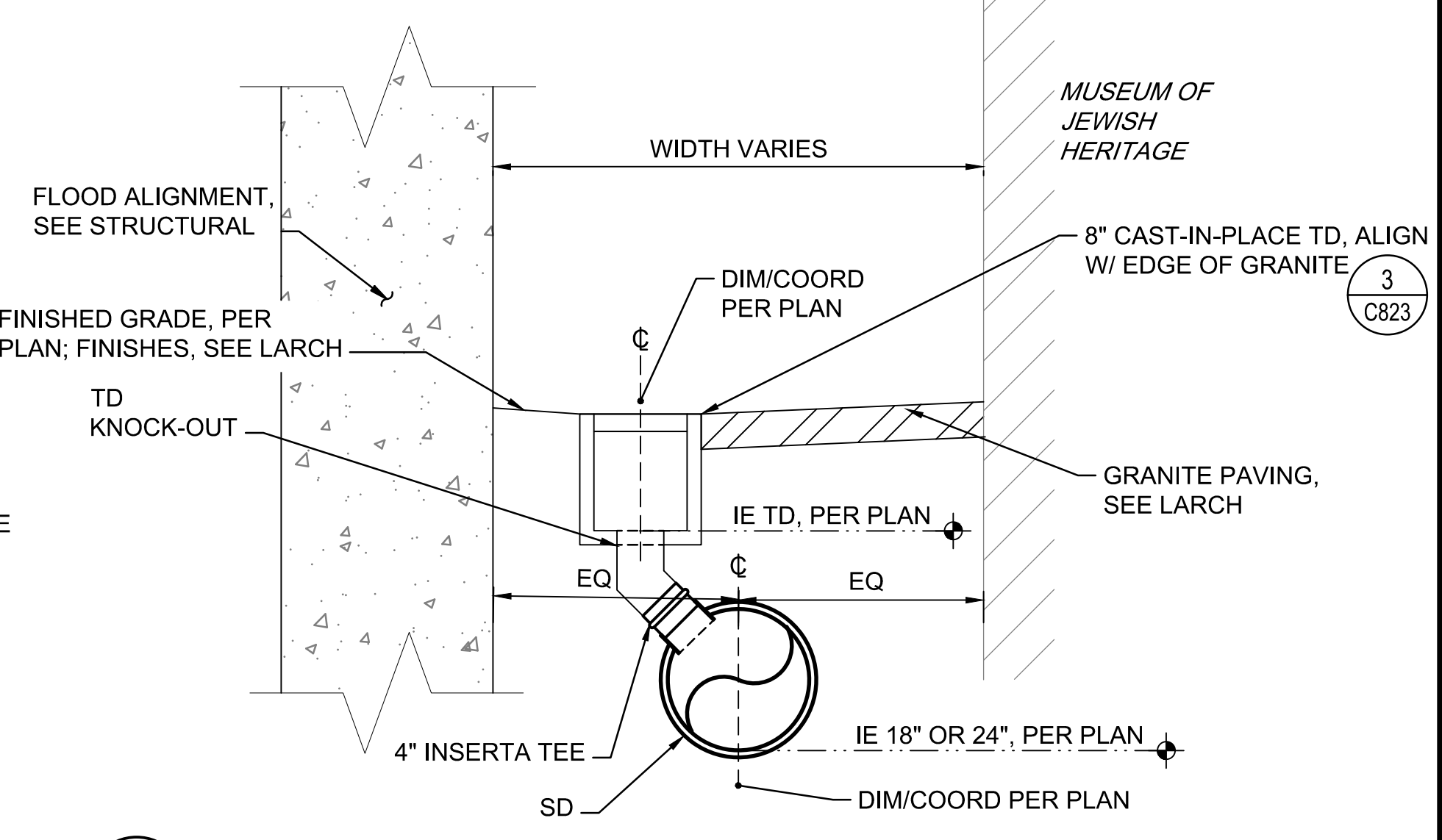
3 TRENCH DRAIN CONNECTION TO RETAINING WALL (PACKAGE 2, 3)
SCALE: NTS
C403NE



4 TRENCH DRAIN IN PERMEABLE PAVEMENT (PACKAGE 2, 3)
SCALE: NTS
C402SE, C402NE, C403NW, C403SE



5 DRY WELL (PACKAGE 4)
SCALE: NTS
C503SE



6 TRENCH DRAIN CONNECTION TO 18\"/>

REGISTRATION



ISSUE/REVISION

IR	DATE	DESCRIPTION
△	JUNE 2022	RESPONSES TO QUESTIONS

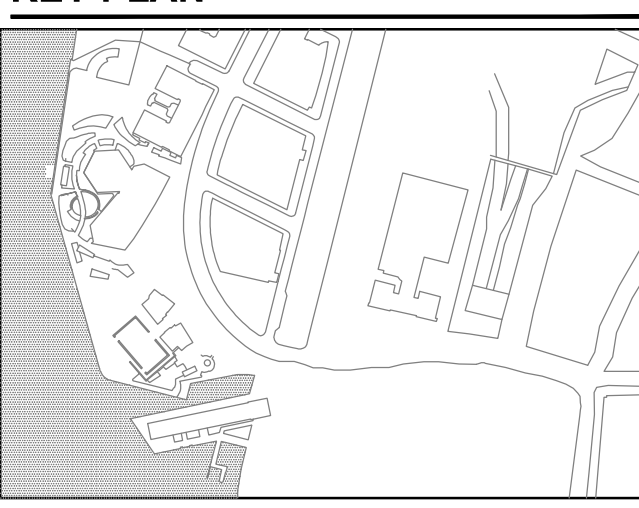
Designed By:	B. DUPUY
Drawn By:	J. POPE
Checked By:	S. HALUSCHAK
Approved By:	M. JONES

PROJECT/TERM CONTRACT NUMBER
Contract No. 18-2586
SHEET TITLE

SECTIONS AND DETAILS

SHEET NUMBER

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REGISTRATION



ISSUE/REVISION

IR	DATE	DESCRIPTION
△	JUNE 2022	RESPONSES TO QUESTIONS

Designed By: B. DUPUY
Drawn By: J. POPE
Checked By: S. HALUSCHAK
Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

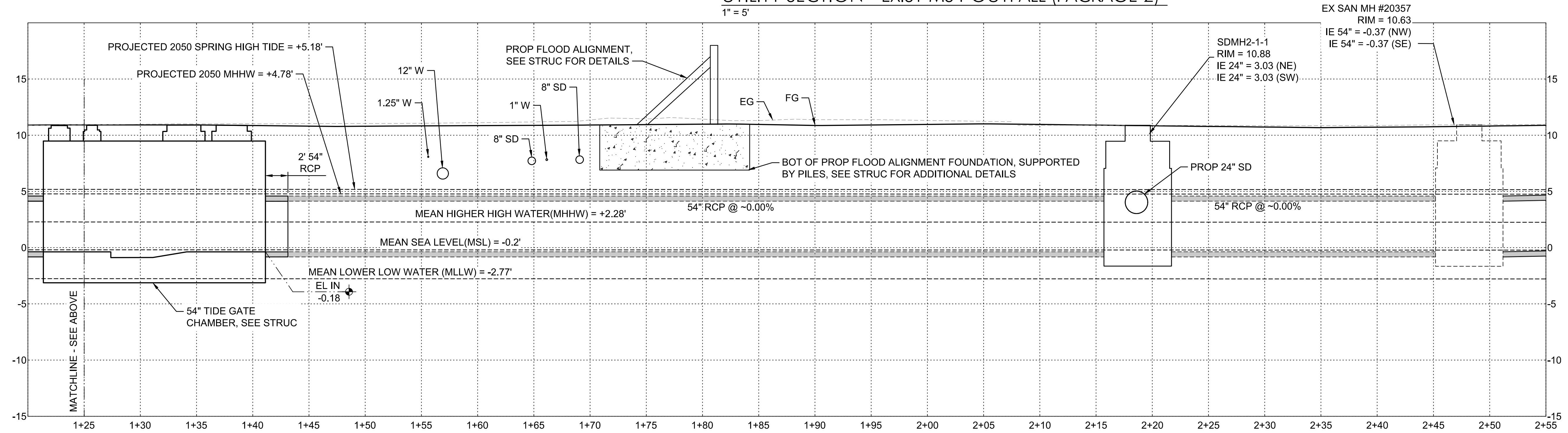
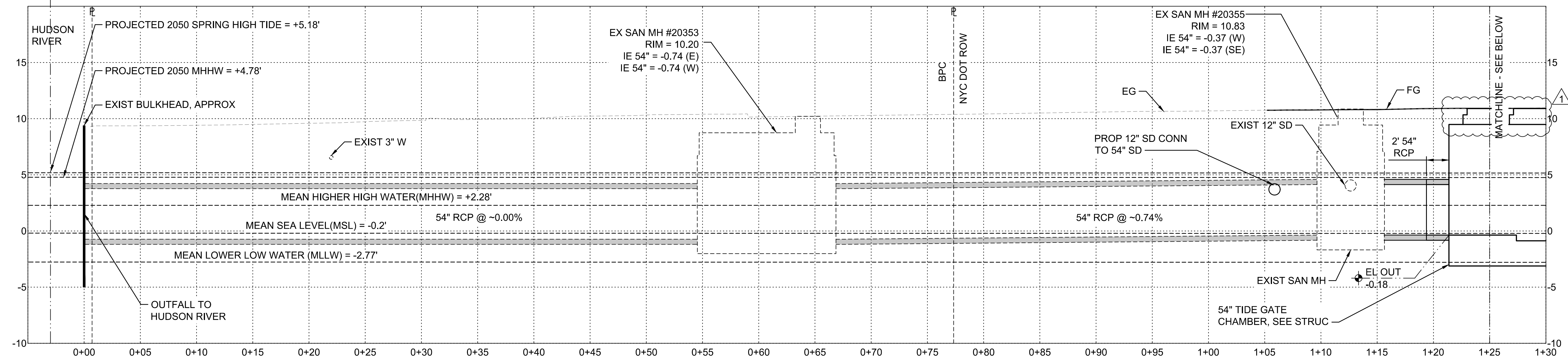
SHEET TITLE

STORM DRAINAGE
UTILITY SECTION

SHEET NUMBER

C901

ANSI D 22' x 34'



NOTE:
1. UTILITY SECTION IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO SHOW PROPOSED AND EXISTING DESIGN ELEMENTS RELATIVE TO THE EXISTING 54" MS4 OUTFALL. REFER TO PLANS FOR DETAILS ON PROPOSED SITE DESIGN.

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ATTACHMENT #2
REVISED SPECIFICATION 331700 – WATER DISTRIBUTION

(ATTACHED)

SECTION 331700 – WATER DISTRIBUTION

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes: Requirements for piping materials and appurtenances, installation and testing for water distribution.

1.02 RELATED SECTIONS

- A. Section 013300, “Submittal Procedures”
- B. Section 017419, “Construction and Demolition Waste Management and Disposal”
- C. Section 018113, “Sustainable Design Requirements”
- D. Section 310000, “Earthwork”

1.03 REFERENCES

- A. The latest version, unless noted otherwise, of the publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.
- B. American National Standards Institute (ANSI):
 - 1. ASME/ANSI B18.2.2: Square and Hex Nuts (Inch Series)
 - 2. ANSI/ASME B18.5.2.2M: Metric Round Head Square Neck Bolts
- C. American Society of Mechanical Engineers (ASME):
 - 1. ASME/ANSI B16.1: Cast Iron Pipe Flanges and Flanged Fittings
- D. American Society for Testing and Materials (ASTM):
 - 1. ASTM A 48: Gray Iron Castings
 - 2. ASTM A 307: Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
 - 3. ASTM A 536: Ductile Iron Castings
 - 4. ASTM C 94: Ready-Mixed Concrete
- E. American Water Works Association (AWWA):
 - 1. AWWA C104/A21.4: Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water
 - 2. AWWA C110/A21.10: Ductile-Iron and Gray-Iron Fittings, 3 in. Through 48 in. (75 mm Through 1200 mm), for Water and Other Liquids
 - 3. AWWA C111/A21.11: Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings
 - 4. AWWA C115/A21.15: Flanged Ductile-Iron Pipe with Threaded Flanges
 - 5. ANSI/AWWA C151/A21.51: Ductile-Iron Pipe, Centrifugally Cast, for Water or Other Liquids
 - 6. AWWA C153/A21.53: Ductile-Iron Compact Fittings, 3 in. Through 16 in., for Water and Other Liquids
 - 7. AWWA C509: Resilient-Seated Gate Valves for Water and Sewerage Systems

8. AWWA C600: Installation of Ductile-Iron Water Mains and Their Appurtenances
- F. Ductile Iron Pipe Research Association (DIPRA):
 1. DIPRA-1: Thrust restraint design for ductile iron pipe
- G. National Fire Protection Association (NFPA):
 1. NFPA 24: Installation of Private Fire Service Mains and Their Appurtenances
- H. New York City Department of Environmental Protection (NYCDEP):
 1. NYCDEP-W: (2014) Standard Water Specifications

1.04 SUBMITTALS

- A. Submit the following in accordance with Section 013300, "Submittal Procedures".
 1. Submit manufacturer's standard drawings or catalog cuts for water distribution main and service lines piping, fittings, joints and valves, fire hydrants, meter, meter vault, and valve boxes, except submit both drawings and cuts for push-on joints. Include information concerning gaskets with submittal for joints and couplings.
 2. Submit certificates attesting that tests set forth in each applicable referenced publication have been performed, whether specified in that publication to be mandatory or otherwise and that production control tests have been performed at the intervals or frequency specified in the publication. Other tests shall have been performed within 3 years of the date of submittal of certificates on the same type, class, grade, and size of material as is being provided for the project.
 3. Submit copy of the Certificate of Compliance with material tests for each delivery to the project site with delivery inspection report.
 4. Sustainability Submittals: For permanently installed products and materials related to the work of this Section, submit product and material documentation to comply with and contribute to the Project's sustainability requirements, as outlined in the Submittals article of Section 018113, "Sustainable Design Requirements."
 5. Environmental Product Declarations: To quantify the embodied carbon of the building's materials, ILFI ZC requires that Environmental Product Declarations (EPDs) with Life Cycle Analyses (LCAs) be provided. Include product-specific non-expired EPDs for applicable products. When product-specific EPDs are not available, provide industry-wide EPDs or product LCAs.
 6. Product Data Sheets: Provide product data sheets that describe the material make up of products (e.g., material ingredient lists, CAS RN#s, description of product's material sourcing).

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Storage: Inspect materials delivered to site for damage. Unload and store with minimum handling. Store materials on site in enclosures or under protective covering. Store plastic piping, jointing materials, and rubber gaskets under cover out of

direct sunlight. Do not store materials directly on the ground. Keep inside of pipes, fittings, free of dirt and debris.

- B. Handling: Handle pipe, fittings, valves, hydrants, and other accessories in a manner to ensure delivery to the trench in sound undamaged condition. Take special care to avoid injury to coatings and linings on pipe and fittings; make satisfactory repairs if coatings or linings are damaged. Carry, do not drag pipe to the trench. Store jointing materials and rubber gaskets that are not to be installed immediately, under cover out of direct sunlight.

1.06 SUSTAINABLE DESIGN REQUIREMENTS

- A. The Owner requires the Contractor to implement practices and procedures to meet the Project's environmental performance goals, which include achieving ILFI Zero Carbon and WEDG Certification. Refer to Section 018113, "Sustainable Design Requirements," for the Project's targets and specific requirements. The Contractor shall ensure that the requirements related to the Project's sustainability design goals are met. Substitutions, or other changes to the work proposed by the Contractor or their Subcontractors, shall not be allowed if such changes compromise the Project's sustainability goals and ILFI Zero Carbon or WEDG certification.

PART 2 - PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. For permanently installed products and materials related to the work of this Section, provide products and materials that meet the Project's sustainability performance criteria as outlined in PART 2 – PRODUCTS of Section 018113, "Sustainable Design Requirements."
- B. Provide products and materials with product-specific or industry-wide Environmental Product Declarations (or alternative environmental declaration accepted by LEED), as outlined in Section 018113, "Sustainable Design Requirements."
- C. Provide products and materials with manufacturer's product-specific Health Product Declaration (HPD), Declare label, or Cradle to Cradle certificate (or alternative health-related declaration accepted by LEED), as outlined in Section 018113, "Sustainable Design Requirements."

2.02 WATER DISTRIBUTION MAIN MATERIALS

- A. Piping Materials:
 - 1. Ductile-Iron Piping (Piping 3 Inches and Larger):
 - a. Pipe and Fittings: Pipe, except flanged pipe, ANSI/AWWA C151/A21.51, Thickness Class 52. Fittings, AWWA C110/A21.10 or AWWA C153/A21.53; fittings with push-on joint ends conforming to the same requirements as fittings with mechanical-joint ends, except that the bell design shall be modified, as approved, for push-on joint. Fittings shall have pressure rating at least equivalent to that of the pipe. Ends of pipe and

- fittings shall be suitable for the specified joints. Pipe and fittings shall have cement-mortar lining, AWWA C104/A21.4, standard thickness.
- b. Joints and Jointing Material:
 - (1) Joints: Joints for pipe and fittings shall be push-on joints or mechanical joints unless otherwise indicated. Provide mechanical joints where indicated. Provide flanged joints where indicated. Provide mechanically coupled joints using a sleeve-type mechanical coupling where indicated.
 - (2) Push-On Joints: Shape of pipe ends and fitting ends, gaskets, and lubricant for joint assembly, AWWA C111/A21.11.
 - (3) Mechanical Joints: Dimensional and material requirements for pipe ends, glands, bolts and nuts, and gaskets, AWWA C111/A21.11
 - (4) Flanged Joints: Bolts, nuts, and gaskets for flanged connections as recommended in the Appendix to AWWA C115/A21.15. Flange for set screwed flanges shall be of ductile iron, ASTM A 536, Grade 65-45-12, and conform to the applicable requirements of ASME/ANSI B16.1, Class 250. Setscrews for set screwed flanges shall be 190,000 psi tensile strength, heat treated and zinc-coated steel. Gasket for set screwed flanges, in accordance with applicable requirements for mechanical-joint gaskets specified in AWWA C111/A21.11. Design of set screwed gasket shall provide for confinement and compression of gasket when joint to adjoining flange is made.
 2. Copper Tubing and Associated Fittings (for piping 3 inches and smaller): Tubing, ASTM B 88, Type K. Fittings for solder-type joint, ASME B16.18 or ASME B16.22; fittings for compression-type joint, ASME B16.26, flared tube type.
 3. Insulating Joints: Designed to effectively prevent metal-to-metal contact at the joint between adjacent sections of piping. Joint shall be of the flanged type with insulating gasket, insulating bolt sleeves, and insulating washers. Gasket shall be of the dielectric type, full face, and in other respects as recommended in the Appendix to AWWA C115/A21.15. Bolts and nuts, as recommended in the Appendix to AWWA C115/A21.15.
 4. Sleeve-Type Mechanical Coupled Joints: As specified in paragraph entitled “Sleeve-Type Mechanical Couplings.”
 5. Reuse Water Pipe and Appurtenances: Reuse water pipe shall be painted purple in color or covered in a purple jacket in accordance with the New York City Plumbing Code (NYC PC) section C101.5.
 - a. Reuse water pipe and appurtenances shall be identified as containing non-potable water (NYC PC C101.6).
 - b. Pipe identification shall be in accordance with Section 608.8 of the NYC PC (NYC PC 101.6).
 - c. Spigots and hose bibs dispensing reused water shall be secured from unauthorized use by a locking mechanism. Signage reading “Caution: Non-Potable Water, Do Not Drink” shall be placed above or adjacent to the location of the spigots and hose bibs (NYC PC C101.6.1).

6. Provide pipeline products with product-specific or industry-wide Environmental Product Declarations (or alternative environmental declaration accepted by LEED), as outlined in Section 018113 – Sustainable Design Requirements.
7. Provide pipeline products with manufacturer's product-specific Health Product Declaration (HPD), Declare label, or Cradle to Cradle certificate (or alternative health-related declaration accepted by LEED), as outlined in Section 018113 – Sustainable Design Requirements.

B. Valves and Other Water Main Accessories:

1. Gate Valves: AWWA C509. Unless otherwise specified, valves conforming to AWWA C509 shall be non-rising stem type with mechanical-joint ends. Valves shall open by counterclockwise rotation of the valve stem. Stuffing boxes shall have O-ring stem seals. Stuffing boxes shall be bolted and constructed so as to permit easy removal of parts for repair. Valves shall be of one manufacturer.
2. Valve Boxes: Provide a valve box for each existing gate valve and butterfly valve. Valve boxes shall be of cast iron or precast concrete of a size suitable for the valve on which it is to be used and shall be adjustable. Provide a round head. Cast the word "WATER" on the lid. The least diameter of the shaft of the box shall be 5-1/4 inches. Cast-iron box shall have a heavy coat of bituminous paint.
3. Sleeve-Type Mechanical Couplings: Couplings shall be designed to couple plain-end piping by compression of a ring gasket at each end of the adjoining pipe sections. The coupling shall consist of one middle ring flared or beveled at each end to provide a gasket seat; two follower rings; two resilient tapered rubber gaskets; and bolts and nuts to draw the follower rings toward each other to compress the gaskets. The middle ring and the follower rings shall be true circular sections free from irregularities, flat spots, and surface defects; the design shall provide for confinement and compression of the gaskets. For ductile iron and PVC plastic pipe, the middle ring shall be of cast iron or steel; and the follower rings shall be of malleable or ductile iron. Cast iron, ASTM A 48, not less than Class 25. Malleable and ductile iron shall meet the applicable requirements specified for gaskets for mechanical joint in AWWA C111/A21.11. Bolts shall be track-head type, ASTM A 307, Grade A, with nuts ASTM A 563, Grade A or round-head, square-neck type bolts ANSI, B18.5.2.1M and ANSI/ASME B18.5.2.2M with hex nuts, ASME/ANSI B18.2.2. Bolts shall be 5/8" in diameter; minimum number of bolts for each pipe size shall be 3 for 3-inch, 4 for 4-inch, 5 for 6-inch, 6 for 8-inch, 7 for 10-inch, 8 for 12-inch and 9 for 16-inch. Bolt holes in follower rings shall be of a shape to hold fast the necks of the bolts used. Mechanically coupled joints using a sleeve-type mechanical coupling shall not be used as an optional method of jointing except where indicated.
4. Restrained Joints: EBAA Megalug, Romac Industries, Star Pipe Products joint restraint systems, or approved equal.
5. Combination Air/Vacuum release valves: DeZURIK APCO, Val-Matic Combination Water Valve, Cla-Val 36 Series Combination Air Valve, or approved equal.

6. Provide valve products with product-specific or industry-wide Environmental Product Declarations (or alternative environmental declaration accepted by LEED), as outlined in Section 018113 – Sustainable Design Requirements.
7. Provide valve products with manufacturer’s product-specific Health Product Declaration (HPD), Declare label, or Cradle to Cradle certificate (or alternative health-related declaration accepted by LEED), as outlined in Section 018113 – Sustainable Design Requirements.

PART 3 - EXECUTION

3.01 GENERAL REQUIREMENTS

- A. Waste Management: Construction waste shall be removed and managed in accordance with Section 017419, “Construction and Demolition Waste Management and Disposal.”

3.02 INSTALLATION OF PIPELINES

- A. General Requirements for Installation of Pipelines: These requirements shall apply to all pipeline installation except where specific exception is made in the "Special Requirements." paragraphs.
 1. Earthwork: Perform earthwork operations in accordance with Section 310000, “Earthwork.”
 2. Pipe Laying and Jointing: Remove fins and burrs from pipe and fittings. Before placing in position, clean pipe, fittings, valves, and accessories, and maintain in a clean condition. Provide proper facilities for lowering sections of pipe into trenches. Do not under any circumstances drop or dump pipe, fittings, valves, or any other water line material into trenches. Cut pipe accurately to length established at the site and work into place without springing or forcing. Replace with one of the proper length any pipe or fitting that does not allow sufficient space for proper installation of jointing material. Blocking or wedging between bells and spigots will not be permitted. Lay bell-and-spigot pipe with the bell end pointing in the direction of laying. Grade the pipeline in straight lines; avoid the formation of dips and low points. Support pipe at proper elevation and grade. Secure firm, uniform support. Wood support blocking will not be permitted. Lay pipe so that the full length of each section of pipe and each fitting will rest solidly on the pipe bedding; excavate recesses to accommodate bells, joints, and couplings. Provide anchors and supports where indicated and where necessary for fastening work into place. Make proper provision for expansion and contraction of pipelines. Keep trenches free of water until joints have been properly made. At the end of each workday, close open ends of pipe temporarily with wood blocks or bulkheads. Do not lay pipe when conditions of trench or weather prevent installation. Depth of cover over top of pipe shall not be less than 3 feet.
- B. Special Requirements for Installation of Water Mains:
 1. Installation of Ductile-Iron Piping: Unless otherwise specified, install pipe and fittings in accordance with paragraph entitled "General Requirements for

Installation of Pipelines" and with the requirements of AWWA C600 for pipe installation, joint assembly, valve-and-fitting installation, and thrust restraint.

- a. **Jointing:** Make push-on joints with the gaskets and lubricant specified for this type of joint; assemble in accordance with the applicable requirements of AWWA C600 for joint assembly. Make mechanical joints with the gaskets, glands, bolts, and nuts specified for this type of joint; assemble in accordance with the applicable requirements of AWWA C600 for joint assembly and the recommendations of Appendix A to AWWA C111/A21.11. Make flanged joints with the gaskets, bolts, and nuts specified for this type of joint. Make flanged joints up tight; avoid undue strain on flanges, fittings, valves, and other accessories. Align bolt holes for each flanged joint. Use full size bolts for the bolt holes; use of undersized bolts to make up for misalignment of bolt holes or for any other purpose will not be permitted. Do not allow adjoining flange faces to be out of parallel to such degree that the flanged joint cannot be made watertight without over straining the flange. When flanged pipe or fitting has dimensions that do not allow the making of a proper flanged joint as specified, replace it by one of proper dimensions. Use set screwed flanges to make flanged joints where conditions prevent the use of full-length flanged pipe and assemble in accordance with the recommendations of the set screwed flange manufacturer. Make insulating joints with the gaskets, sleeves, washers, bolts, and nuts previously specified for this type of joint. Assemble insulating joints as specified for flanged joints, except that bolts with insulating sleeves shall be full size for the bolt holes. Ensure that there is no metal-to-metal contact between dissimilar metals after the joint has been assembled.
 - b. **Pipe Anchorage:** Provide concrete thrust blocks (reaction blocking) for pipe anchorage, except where Restrained Joints are indicated. Thrust blocks shall be in accordance with the requirements of AWWA C600 and NFPA 24 for thrust restraint, except that size and positioning of thrust blocks shall be as indicated. Use concrete, ASTM C 94, having a minimum compressive strength of 3,000 psi at 28 days. Metal harness shall be in accordance with the requirements of AWWA C600 and NFPA 24 for thrust restraint, using tie rods and clamps as shown in NFPA 24, except as otherwise indicated. In lieu of horizontal and/or vertical concrete thrust blocking, the Contractor may provide longitudinal restraint utilizing restrained joints in accordance with DIPRA-1 and the pipe, fitting and restrained joints manufacturer's recommendations and design parameters for rigid piping. The Contractor shall submit locations, pressure distributions, and design calculations for the longitudinal restraint at the joints and fittings required to restrain the resulting horizontal and/or vertical bend forces. All horizontal and vertical bend resulting forces shall be based upon internal working pressure of 225 psi.
2. **Installation of Valves:** Install gate valves, AWWA C509, in accordance with the requirements of AWWA C600 for valve-and-fitting installation and with the

recommendations of the Appendix ("Installation, Operation, and Maintenance of Gate Valves") to AWWA C509. Make and assemble joints to gate valves as specified for making and assembling the same type joints between pipe and fittings.

- C. Disinfection: Disinfect new water piping and existing water piping affected by Contractor's operations in accordance with AWWA C651-14. Obtain at least two consecutive satisfactory bacteriological samples from new water piping, analyze by a certified laboratory, and submit the results prior to the new water piping being placed into service.

3.03 FIELD QUALITY CONTROL

- A. Field Tests and Inspections: The Contractor shall perform field tests, and provide labor, equipment, and incidentals required for testing. The Contractor shall produce evidence, when required, that any item of work has been constructed in accordance with the drawings and specifications. Do not begin testing on any section of a pipeline where concrete thrust blocks have been provided until at least 5 days after placing of the concrete.
- B. All fire mains shall be flushed and tested per NFPA 24 and witnessed by the Fire Department of New York Fire Marshal. All piping, rodding, and blocking shall be exposed for inspection during testing.
- C. Testing Procedure: Test water mains and water service lines in accordance with AWWA 600 and NYC Plumbing Code C101.8.
- D. Special Testing Requirements: Use a hydrostatic pressure 50 psi greater than the maximum working pressure of the system, except that for those portions of the system having pipe size larger than 2 inches in diameter, hydrostatic test pressure shall be not less than 150 psi. Hold this pressure for not less than 2 hours. Prior to the pressure test, fill that portion of the pipeline being tested with water for a soaking period of not less than 24 hours.

END OF SECTION 331700

ATTACHMENT #3

NEW CIVIL DRAWINGS:

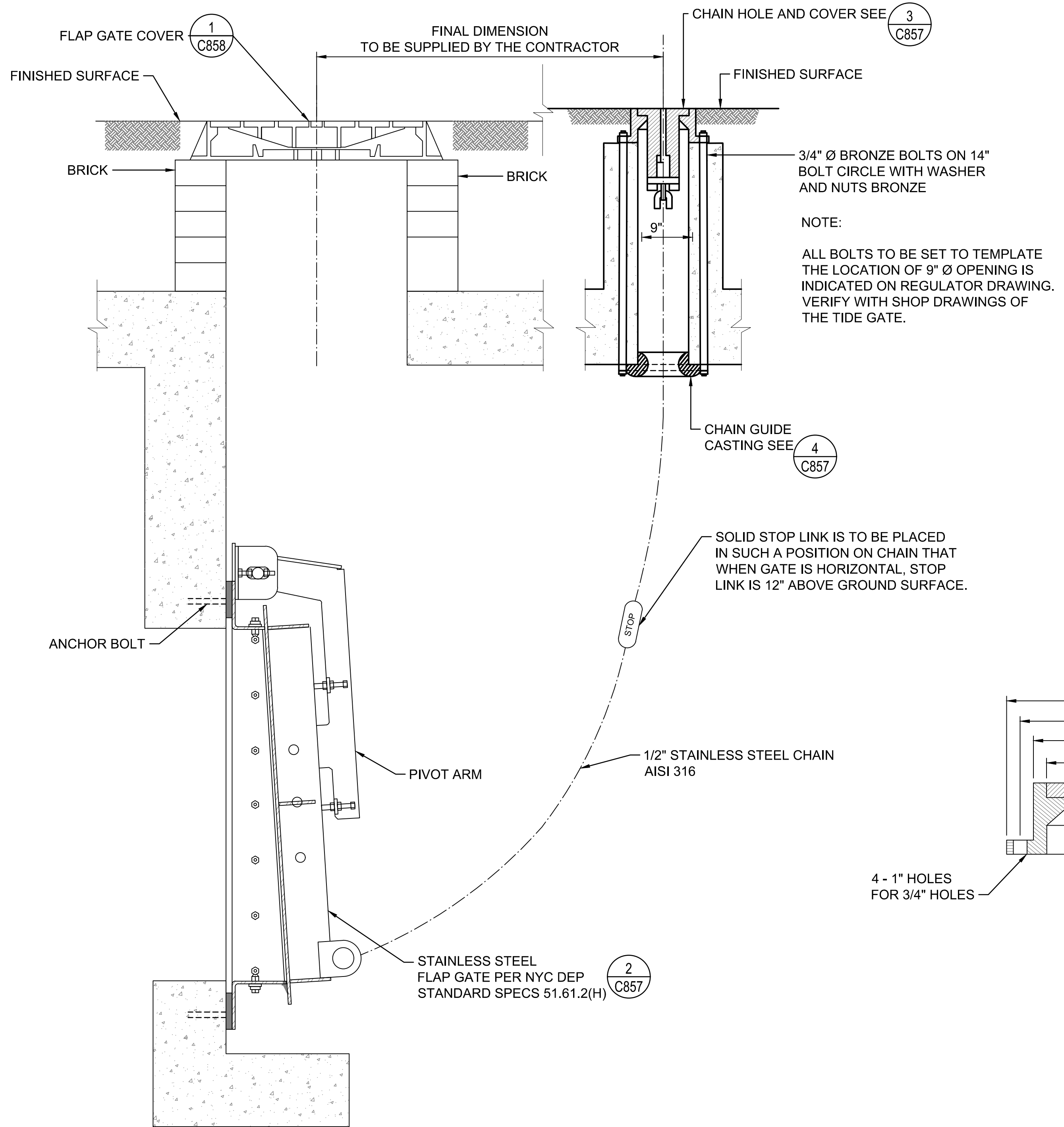
C857 – Tide Gate Miscellaneous Details

C858 – Tide Gate Miscellaneous Details

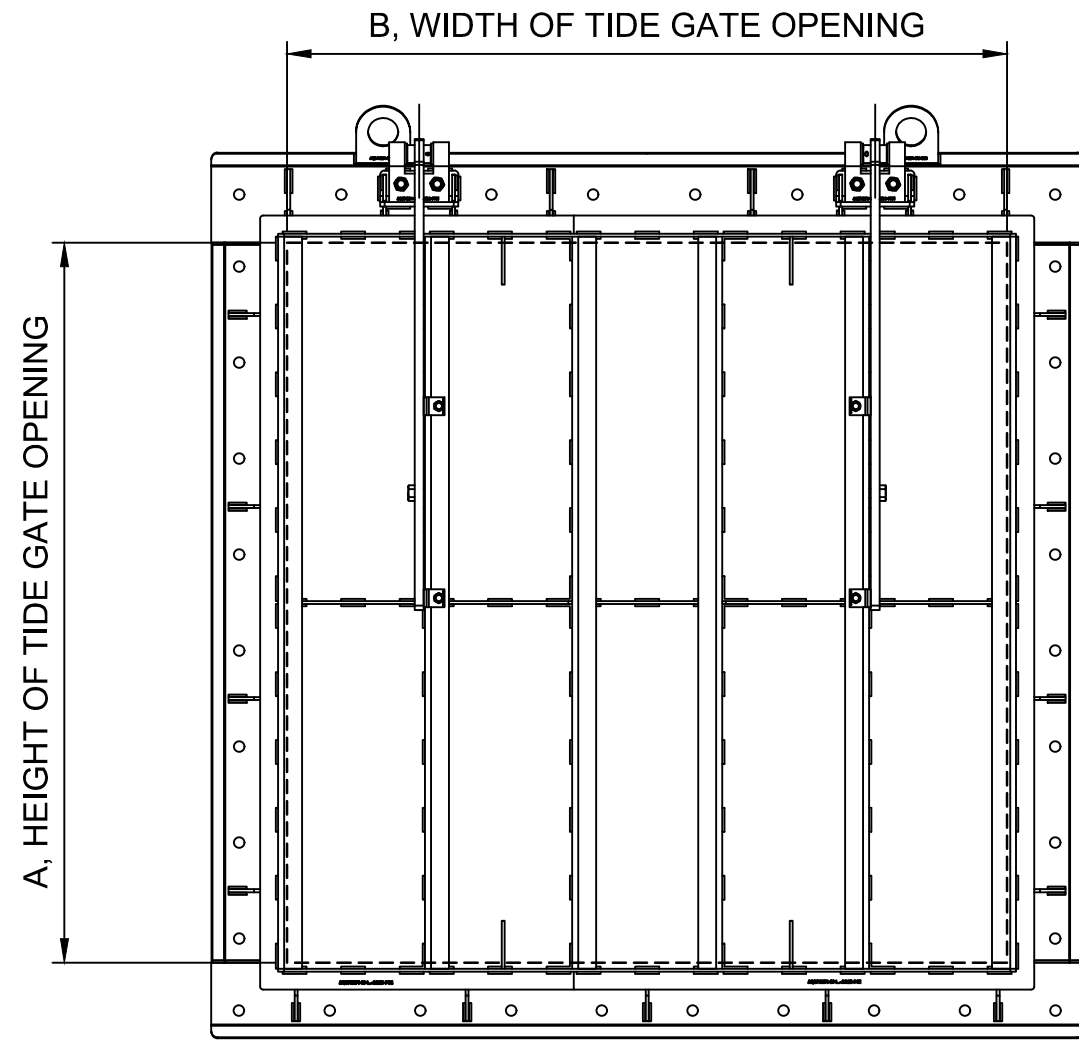
(ATTACHED)

ANSI D 22' x 34'

- NOTES:
- STEPS SHALL BE IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT OF DESIGN AND CONSTRUCTION) SEWER DESIGN STANDARD DETAILS SE17 AND SE44.
 - 27-INCH DIAMETER MANHOLE FRAME AND COVER SHALL BE IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT OF DESIGN AND CONSTRUCTION) SEWER DESIGN STANDARD DETAIL SE39, UNLESS NOTED OTHERWISE.
 - 36-INCH DIAMETER MANHOLE FRAME AND COVER SHALL BE IN ACCORDANCE WITH NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT OF DESIGN AND CONSTRUCTION) SEWER DESIGN STANDARD DETAIL SE41.

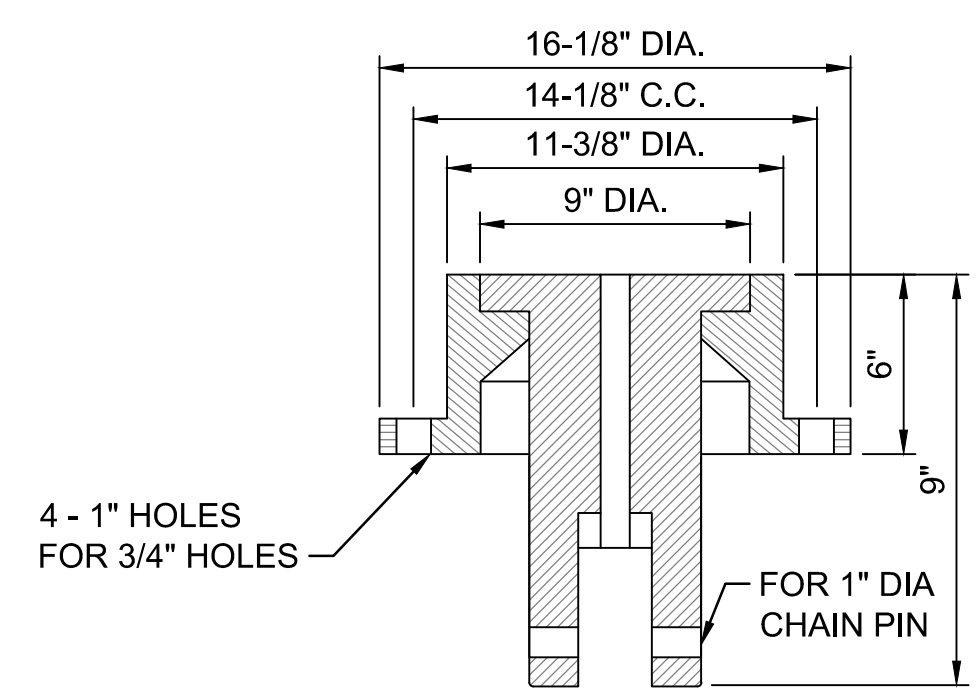


(1) SECTION - TIDE GATE COMPONENTS (PACKAGE 2, 4)
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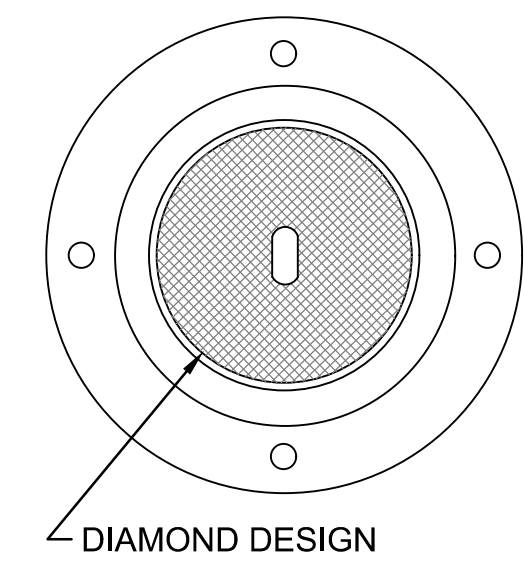


FLAP GATE	A	B
PACKAGE 2 (66" X 66")	4'-6"	4'-6"
PACKAGE 4 (66" X 66")	4'-6"	4'-6"
PACKAGE 4 (96" X 60")	4'-3"	6'-11"

(2) FRONT VIEW - STAINLESS STEEL FLAP GATE (PACKAGE 2, 4)
SCALE: NTS

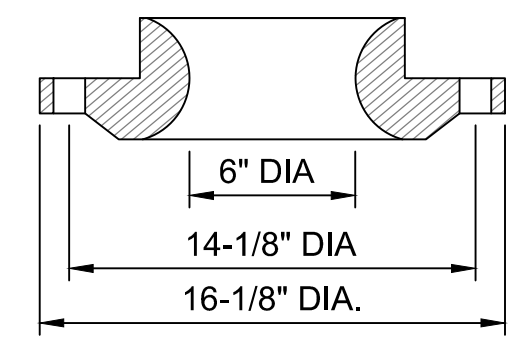


SECTION



PLAN

(3) CHAIN HOLE COVER (PACKAGE 2, 4)
SCALE: NTS



(4) CHAIN GUIDE (PACKAGE 2, 4)
SCALE: NTS

KEY PLAN

REGISTRATION



ISSUE/REVISION

IR	DATE	DESCRIPTION
△	JUNE 2022	RESPONSES TO QUESTIONS

Designed By: B. DUPUY
Drawn By: J. POPE
Checked By: S. HALUSCHAK
Approved By: M. JONES

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

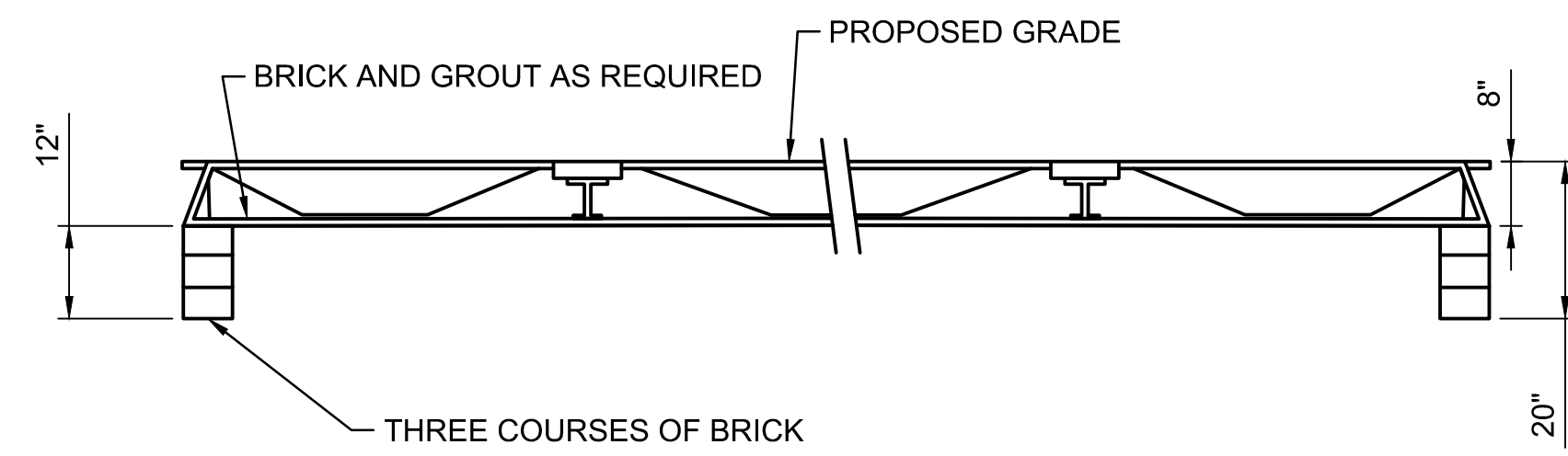
SHEET TITLE

TIDE GATE
MISCELLANEOUS DETAILS

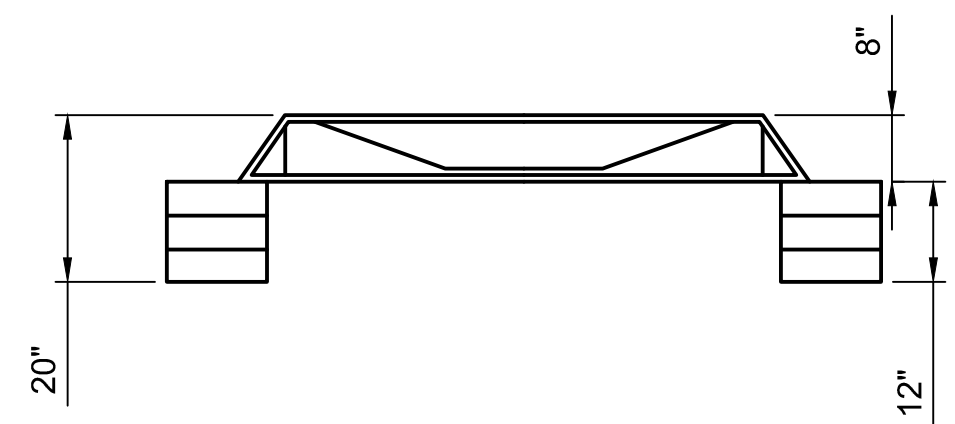
SHEET NUMBER

C857

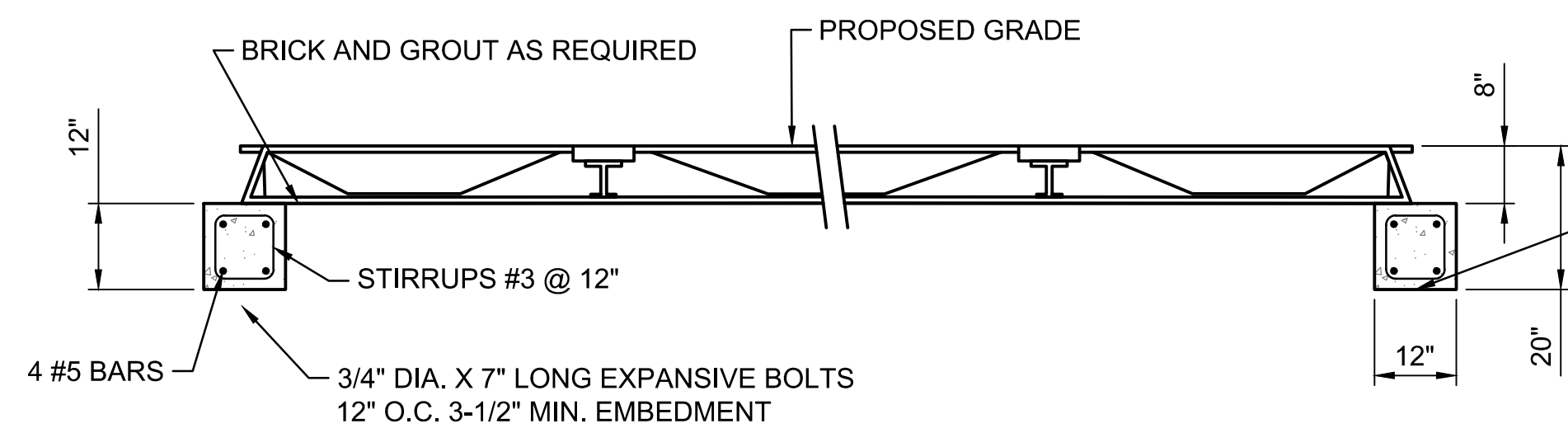
Last saved by: MES (10/22/2022 06:27) File Path: 2022-05-27 File Name: C:\P\WORK\NYC\AECOM_L05_12_MSI\15424102\064725BPC\CC857\064725BPC\CC857\064725BPC\CC857.dwg



1 SECTION - FLAP GATE COVER (PACKAGE 2, 4)
SCALE: NTS
C858



2 SECTION - FLAP GATE COVER (PACKAGE 2, 4)
SCALE: NTS
C858

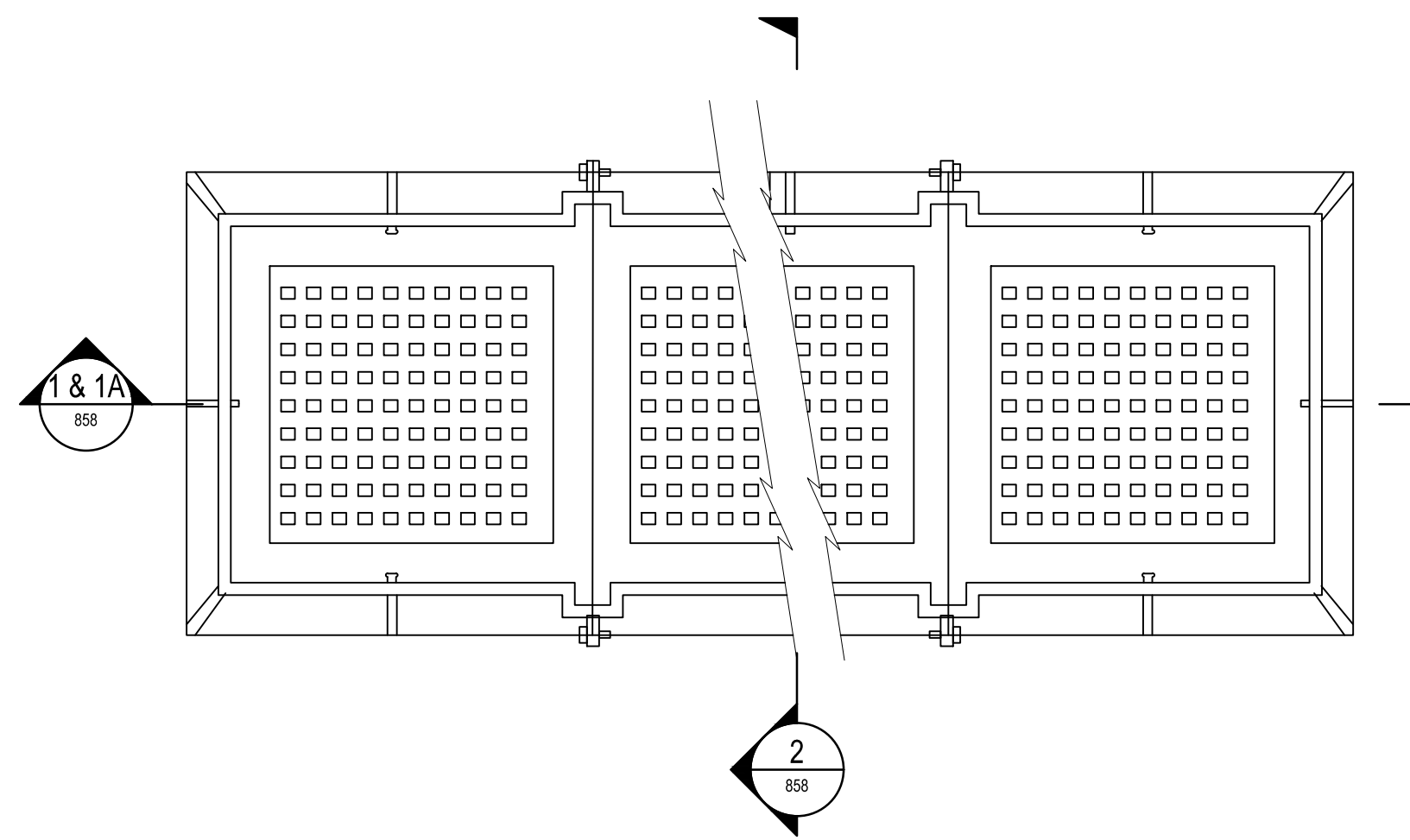


1A SECTION - FLAP GATE COVER (ALTERNATE) (PACKAGE 2, 4)
SCALE: NTS
C858

EPOXY TO BE APPLIED PRIOR TO GROUTING CONCRETE.

NOTES:

1. ALL SURFACES WHERE CONCRETE IS TO BE JOINED TO EXISTING CONCRETE SHALL BE COATED WITH EPOXY BONDED COMPOUND.



1 FLAP GATE COVER (PACKAGE 2, 4)
SCALE: NTS
C851, C853

KEY PLAN

REGISTRATION



ISSUE/REVISION

IR	DATE	DESCRIPTION
△	JUNE 2022	RESPONSES TO QUESTIONS

Designed By:	B. DUPUY
Drawn By:	J. POPE
Checked By:	S. HALUSCHAK
Approved By:	M. JONES

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

TIDE GATE
MISCELLANEOUS DETAILS

SHEET NUMBER

C858 △

ATTACHMENT #4
EXHIBIT E – QUALIFICATION FORMS
(REVISED)

(ATTACHED)

EXHIBIT E

QUALIFICATION FORMS

QUALIFICATION FORM A – TRANSMITTAL LETTER

REQUEST FOR PROPOSALS:

SOUTH BATTERY PARK CITY RESILIENCY PROJECT:

**WAGNER PARK /MUSEUM OF JEWISH HERITAGE
SITE WORK CONSTRUCTION SERVICES**

Transmittal Letter

(To be typed on Proposer’s Letterhead)

Date: _____

Battery Park City Authority

Re: Request for Proposals- South Battery Park City Resiliency Project: Wagner Park / Museum of Jewish Heritage Site Work Construction Services

_____ (the “**Proposer**”) hereby submits its proposal (“**Proposal**”) in response to the Request for Proposals for South Battery Park City Resiliency Project: Wagner Park / Museum of Jewish Heritage Site Work Construction Services (“**RFP**”), issued on April 18, 2022, as amended. Capitalized terms used but not defined herein have the meanings set forth in the RFP.

As a duly authorized representative of the Proposer, I hereby certify, represent, and warrant, on behalf of the Proposer, as follows in connection with the RFP:

1. The Proposer acknowledges receipt of the RFP and the following Addenda:

<u>No.</u>	<u>Date</u>
_____	_____
_____	_____
_____	_____

2. The submittal of the Proposal has been duly authorized by, and in all respects is binding upon, the Proposer. The Certificate of Authorization, accompanying this Transmittal Letter, evidences my authority to submit the Proposal and bind the Proposer.

3. The Proposer has completely reviewed and understands and agrees to be bound by the requirements of the RFP, including all Addenda thereto.

4. All information and statements contained in the Proposal are current, correct and complete, and are made with full knowledge that BPCA will rely on such information and statements in determining whether to pre-qualify the Proposer in accordance with the RFP.

5. The Proposal has been prepared and is submitted without collusion, fraud or any other action taken in restraint of free and open competition for the services contemplated by the RFP. No attempt has been made or will be made by Proposer or any Key Proposer Team Member to induce any other person, partnership, firm or corporation to submit or not to submit a Proposal for the purpose of restricting competition.

6. No Key Proposer Team Member in the Proposal is currently suspended or debarred from doing business with any governmental entity.

7. The Key Proposer Team Members have reviewed all of the engagements and pending engagements of the Key Proposer Team Members, and no potential exists for any conflict of interest or unfair advantage.

8. No person or selling agency has been employed or retained to solicit the award of the Contract under an arrangement for a commission, percentage, brokerage or contingency

9. The principal contact person who will serve as the interface between BPCA and the Proposer for all communications is:

NAME: _____
TITLE: _____
COMPANY: _____
ADDRESS: _____

PHONE: _____
E-MAIL: _____

10. The key technical and legal representatives available to provide timely response to written inquiries submitted, and to attend meetings requested by BPCA are:

Technical Representative

NAME: _____
TITLE: _____
COMPANY: _____
ADDRESS: _____

PHONE: _____
E-MAIL: _____

Legal Representative

NAME: _____
TITLE: _____
COMPANY: _____
ADDRESS: _____

PHONE: _____
E-MAIL: _____

Name of Proposer

Name of Designated Signatory

Signature

Title

(Notary Public)

State of _____

County of _____

On this ____ day of _____, 2021, before me appeared _____, personally known to me to be the person described in and who executed this Transmittal Letter and acknowledged that (she/he) signed the same freely and voluntarily for the uses and purposes therein described.

In witness thereof, I have hereunto set my hand and affixed by official seal the day and year last written above.

Notary Public in and for the state of _____

(SEAL)

(Name printed)

Residing at _____

My commission expires _____

CERTIFICATE OF AUTHORIZATION*

I, _____, a resident of _____ in the State of _____, DO HEREBY CERTIFY that I am the Clerk/Secretary of _____, a [corporation] duly organized and existing under and by virtue of the laws of _____; that I have custody of the records of the [corporation]; and that as of the date of this certification, _____ holds the title of _____ of the [corporation], and is authorized to execute and deliver in the name and on behalf of the [corporation] the Request for Proposals (“RFP”) submitted by the [corporation] in response to the Request for Proposals for South Battery Park City Resiliency Project: Wagner Park / Museum of Jewish Heritage Site Work Construction Services issued on April 18, 2022 as amended; and all documents, letters, certificates and other instruments which have been executed by such officer on behalf of the [corporation] in connection therewith.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the [corporation] this _____ day of _____ 2022.

(Affix Seal Here)

Clerk/Secretary

** Note: Separate certifications shall be submitted if more than one corporate officer has executed documents as part of the Proposal. Proposers shall make appropriate conforming modifications to this Certificate in the event that the signatory’s address is outside of the United States.*

[NO FURTHER TEXT ON THIS PAGE]

LICENSES AND CERTIFICATES

Provide copies of the licenses and certificates of registration for Key Proposer Team Members leading the construction efforts. Include business licenses, contractor licenses and any certificates of authorization to perform the required services.

[NO FURTHER TEXT ON THIS PAGE]



QUALIFICATION FORM B-1

STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE / NO CHANGE FORMS

Instructions

In the packet provided, there are two (2) required forms:

- The Standard Vendor Responsibility Questionnaire (Consisting of six (6) pages and a Certification page); and,
- The Certificate of No Change (1 page)

The Standard Vendor Responsibility Form should be filled out by someone in your firm who knows about tax filings, prior findings of non-responsibility by a governmental authority, etc., and can certify the accuracy of all information requested in the form (such as legal status, tax status, and debarment status).

You must answer every question on the questionnaire.

NOTE: You may fill out the “Certificate of No Change” form instead **ONLY** if your firm has submitted the Vendor Responsibility form to Battery Park City Authority already **during this calendar year**. If this is the first time your firm is proposing to do work for Battery Park City Authority this year, then you must fill out the entire Vendor Responsibility Questionnaire.

[NO FURTHER TEXT ON THIS PAGE]



STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE

1. LEGAL BUSINESS NAME: _____

2. FEDERAL EMPLOYER ID NO. (FEIN): _____

3. D/B/A — Doing Business As (if applicable): _____
COUNTY FILED: _____

4. WEBSITE ADDRESS (if applicable): _____

5. PRINCIPAL PLACE OF BUSINESS ADDRESS: _____

6. TELEPHONE: _____ ext. _____ 7. FAX: _____

8. AUTHORIZED CONTACT FOR THIS QUESTIONNAIRE:

Name: _____
Title: _____
Telephone Number: _____
Fax Number: _____
E-mail: _____

9. TYPE OF BUSINESS: (please check appropriate box and provide additional information):

- a) Corporation State of Incorporation: _____
- b) Sole Proprietor State/County filed in: _____
- c) General Partnership State/County filed in: _____
- d) Not-for-Profit Corporation Charities Registration Number: _____
- e) Limited Liability Company (LLC) Jurisdiction filed: _____
- f) Limited Partnership State/County filed in: _____
- g) Other — Specify: _____ Jurisdiction filed (if applicable): _____

10. IF NOT INCORPORATED OR FORMED IN NEW YORK STATE, PLEASE PROVIDE A CURRENT CERTIFICATE OF GOOD STANDING FROM YOUR STATE OR APPLICABLE LOCAL JURISDICTION.

11. LIST NAME AND TITLE OF EACH PRINCIPAL, OWNER, OFFICER, MAJOR STOCKHOLDER (10% OR MORE OF THE VOTING SHARES FOR PUBLICLY TRADED COMPANIES, 25% OR MORE OF THE SHARES FOR ALL OTHER COMPANIES), DIRECTOR AND MEMBER, as applicable:

- a) _____
- b) _____

[NO FURTHER TEXT ON THIS PAGE]



STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE (CONTINUED)

VENDOR FEIN: _____

- c) _____
d) _____
e) _____
f) _____
g) _____
h) _____

12. AUTHORIZED CONTACT FOR THE PROPOSED CONTRACT:

Name: _____
Title: _____
Telephone Number: _____ Fax Number: _____
E-mail: _____

13. DOES THE VENDOR USE, OR HAS IT USED IN THE PAST FIVE (5) YEARS, ANY OTHER BUSINESS NAME, FEIN, OR D/B/A OTHER THAN WHAT IS LISTED IN QUESTIONS 1-3 ABOVE?

[] Yes [] No

If yes, provide the name(s), FEIN(s) and d/b/a(s) and the address for each such company and d/b/a on a separate piece of paper and attach to this response.

14. WITHIN THE PAST FIVE (5) YEARS, HAS THE VENDOR, ANY PRINCIPAL, OWNER, OFFICER, MAJOR STOCKHOLDER (ten percent (10%) OR MORE OF THE VOTING SHARES FOR PUBLICLY TRADED COMPANIES, twenty-five (25%) OR MORE OF THE SHARES FOR ALL OTHER COMPANIES), AFFILIATE1 OR ANY PERSON INVOLVED IN THE BIDDING, CONTRACTING OR LEASING PROCESS BEEN THE SUBJECT OF ANY OF THE FOLLOWING:

- a) a judgment or conviction for any business related conduct constituting a crime under federal, state or local government law including, but not limited to, fraud, extortion, bribery, racketeering, price-fixing or bid collusion or any crime related to truthfulness and/or business conduct?

[] Yes [] No

1"Affiliate" meaning: (a) any entity in which the vendor owns more than fifty percent (50%) of the voting stock; (b) any individual, entity or group of principal owners or officers who own more than fifty percent (50%) of the voting stock of the vendor; or (c) any entity whose voting stock is more than fifty percent (50%) owned by the same individual, entity or group described in clause (b). In addition, if a vendor owns less than fifty percent (50%) of the voting stock of another entity, but directs or has the right to direct such entity's daily operations, that entity will be an "affiliate" for purposes of this questionnaire.



STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE (CONTINUED)

VENDOR FEIN: _____

- b) a criminal investigation or indictment for any business related conduct constituting a crime under federal, state or local government law including, but not limited to, fraud, extortion, bribery, racketeering, price-fixing or bid collusion or any crime related to truthfulness and/or business conduct?
 Yes No

- c) an unsatisfied judgment, injunction or lien for any business related conduct obtained by any federal, state or local government agency including, but not limited to, judgments based on taxes owed and fines and penalties assessed by any federal, state or local government agency?
 Yes No

- d) an investigation for a civil or criminal violation for any business related conduct by any federal, state or local agency?
 Yes No

- e) a grant of immunity for any business-related conduct constituting a crime under federal, state or local governmental law including, but not limited to, fraud, extortion, bribery, racketeering, price-fixing, bid collusion or any crime related to truthfulness and/or business conduct?
 Yes No

- f) a federal, state or local government suspension or debarment from the contracting process?
 Yes No

- g) a federal, state or local government contract suspension or termination for cause prior to the completion of the term of a contract?
 Yes No

- h) a federal, state or local government denial of a lease or contract award for non-responsibility?
 Yes No



STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE (CONTINUED)

VENDOR FEIN: _____

- i) an administrative proceeding or civil action seeking specific performance or restitution in connection with any federal, state or local contract or lease? Yes No
- j) a federal, state or local determination of a willful violation of any public works or labor law or regulation? Yes No
- k) a sanction imposed as a result of judicial or administrative proceedings relative to any business or professional license? Yes No
- l) a consent order with the New York State Department of Environmental Conservation, or a federal, state or local government enforcement determination involving a violation of federal, state or local environmental laws? Yes No
- m) an Occupational Safety and Health Act citation and Notification of Penalty containing a violation classified as serious or willful? Yes No
- n) a rejection of a bid on a New York State contract or a lease with the State for failure to comply with the MacBride Fair Employment Principles? Yes No
- o) a citation, violation order, pending administrative hearing or proceeding or determination issued by a federal, state or local government for violations of:
 - health laws, rules or regulations Yes No
 - unemployment insurance or workers' compensation coverage or claim requirements Yes No
 - ERISA (Employee Retirement Income Security Act) Yes No
 - human rights laws Yes No
 - federal U.S. Citizenship and Immigration Services laws Yes No
 - Sherman Act or other federal anti-trust laws Yes No
- p) entered into an agreement to a voluntary exclusion from contracting with a federal, state or local governmental entity? Yes No

[NO FURTHER TEXT ON THIS PAGE]



STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE (CONTINUED)

VENDOR FEIN: _____

- q) a denial, decertification, revocation or forfeiture of Women’s Business Enterprise, Minority Business Enterprise or Disadvantaged Business Enterprise status?
r) a rejection of a low bid on a federal, state or local contract for failure to meet statutory affirmative action or Minority or Women's Business Enterprise or Disadvantaged Business Enterprise status requirements on a previously held contract?
s) a finding of non-responsibility by an agency or authority due to a violation of State Finance Law §139-j?

FOR EACH ‘YES’ ANSWER TO QUESTIONS 14, items a-s, PROVIDE DETAILS ON ADDITIONAL SHEETS REGARDING THE FINDING, INCLUDING BUT NOT LIMITED TO CAUSE, CURRENT STATUS, RESOLUTION, ETC.

15. DURING THE PAST THREE YEARS, HAS THE VENDOR FAILED TO:

- a) FILE RETURNS OR PAY ANY APPLICABLE FEDERAL, STATE OR LOCAL GOVERNMENT TAXES?

If yes, identify the taxing jurisdiction, type of tax, liability year(s) and tax liability amount the company failed to file/pay and the current status of the liability:

- b) FILE RETURNS OR PAY NEW YORK STATE UNEMPLOYMENT INSURANCE?

If yes, indicate the years the company failed to file/pay the insurance and the current status of the liability:

16. HAVE ANY BANKRUPTCY PROCEEDINGS BEEN INITIATED BY OR AGAINST THE VENDOR OR ITS’ AFFILIATES WITHIN THE PAST SEVEN YEARS (WHETHER OR NOT CLOSED) OR IS ANY BANKRUPTCY PROCEEDING PENDING BY OR AGAINST THE VENDOR OR ITS AFFILIATES, REGARDLESS OF THE DATE OF FILING?



**STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE
(CONTINUED)**

VENDOR FEIN: _____

If yes, indicate if this is applicable to the submitting vendor or one of its affiliates:

If it is an affiliate, include the affiliate's name and FEIN:

Provide the court name, address and docket number:

Indicate if the proceedings have been initiated, remain pending or have been closed:

If closed, provide the date closed:

17. DOES VENDOR HAVE THE FINANCIAL RESOURCES NECESSARY TO FULFILL THE REQUIREMENTS OF THE PROPOSED CONTRACT? Yes No

[NO FURTHER TEXT ON THIS PAGE]



STANDARD VENDOR RESPONSIBILITY QUESTIONNAIRE (CONTINUED)

VENDOR FEIN:

State of _____)
) ss:
County of _____)

CERTIFICATION:

The undersigned, personally and on behalf of the vendor identified in questions 1-3 above, does hereby state and certify to Battery Park City Authority – State of New York that the information given above is true, accurate and complete. It is further acknowledged that Battery Park City Authority – State of New York will rely upon the information contained herein and in any attached pages for purposes of evaluating our company for vendor's responsibility for contract award and Battery Park City Authority – State of New York may, in its discretion, by means which it may choose, verify the truth and accuracy of all statements made herein. It is further acknowledged that intentional submission of false or misleading information may constitute a felony under Penal Law Section 175.35 or may constitute a misdemeanor under Penal Law Sections 175.30, 210.35 or 210.45, and may also be punishable by a fine and/or imprisonment of up to five years under 18 USC Section 1001 and may result in a denial of contract award or contract termination.

Name of Business

Signature of Officer

Address

Typed Copy of Signature

City, State, Zip

Title

Sworn to before me this _____
day of _____ 20__ .

Notary Public:
Registration No:
State:



CERTIFICATE OF NO CHANGE

STATE OF ()

COUNTY OF) ss.:

The undersigned, being duly sworn, deposes and says:

1. I am _____, the _____ (title) of _____ (hereinafter the "Contractor"), which is currently submitting an amendment to a State Contract.

2. Contractor previously submitted the completed Battery Park City Authority Standard Vendor Responsibility Questionnaire, dated _____ in connection with another State Contract.

3. Attached is an accurate and true copy of such previously submitted Standard Vendor Responsibility Questionnaire.

4. I hereby certify that with the exception of the information specified in Question 12, and as changed herein, there has been no material change in the information pertaining to the Contractor specified on such attached Questionnaire.

AUTHORIZED CONTACT FOR THE PROPOSED CONTRACT:

Name & Title: _____

Telephone Number: _____

Email: _____

SIGNATURE

PRINT NAME

TITLE

Sworn before me this _____ day of _____, _____

Notary Public



QUALIFICATION FORM B-2

STATE FINANCE LAW CERTIFICATIONS

**Offerer's Affirmation of Understanding of and Agreement pursuant to
State Finance Law §139-j(3) and §139-j(6)(b)**

Offerer affirms that it understands and agrees to comply with the procedures of Battery Park City relative to permissible Contacts as required by State Finance Law §139-j(3) and §139-j(6)(b).

By: _____ Date: _____
(Signature)

Name: _____
(Printed)

Title: _____

Contractor Name:

(Company)

Contractor Address:

[NO FURTHER TEXT ON THIS PAGE]



**Battery Park
City Authority**

Offerer's Certification Of Compliance With State Finance Law §139-k(5)

I certify that all information provided to Battery Park City Authority, its subsidiaries and affiliates with respect to State Finance Law §139-k is complete, true and accurate.

By: _____ Date: _____
(Signature)

Name: _____
(Printed)

Title: _____

Contractor Name: _____
(Company)

Contractor Address: _____

[NO FURTHER TEXT ON THIS PAGE]



QUALIFICATION FORM B-3

STATEMENT OF NON-COLLUSION

- I.** By submission of this Proposal, Proposer and each person signing on behalf of Proposer certifies, (and in the case of a joint Proposal each party thereto certifies) as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:
- A) The prices in this Proposal have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other Proposer or with any competitor.
 - B) Unless otherwise required by law, the prices which have been quoted in this Proposal have not been knowingly disclosed by the Proposer and will not knowingly be disclosed by the Proposer prior to opening, directly or indirectly to any other Proposer or to any competitor.
 - C) No attempt has been made or will be made by Proposer to induce any other person, partnership, firm or corporation to submit or not to submit a Proposal for the purpose of restricting competition.
- II.** A Proposal shall not be considered for award nor shall any award be made where sub-paragraphs IA, IB, and IC above have not been complied with provided however, that if in any case Proposer cannot make the foregoing certification and the Proposer shall so state and shall furnish with its Proposal a signed statement which sets forth in detail the reasons therefore. Where sub-paragraphs IA, IB, and IC above have not been complied with, Proposal shall not be considered for award nor shall any award be made unless the Authority determines that such disclosure was not made for the purpose of restricting competition.

The fact that a Proposer (a) has published price lists, rates, or tariffs covering items Being procured, (b) has informed prospective customers of proposed or pending Publication of a new or revised price lists for such item, or (c) has sold the same items To other customers at the same prices being proposed, does not constitute, without more, a disclosure within the meaning of paragraph A above.

- III.** This Proposal, if made by a corporate Proposer, shall be deemed to have been authorized by the board of directors of the Proposer and such authorization shall be deemed to include the signing and submission of the Proposal and the inclusion thereof of the statement of non-collusion as the act and deed of the corporation.

(Insert Name of Proposer and **Sign Below**)

By: _____

(PRINT Full legal name of person, firm, partnership, or corporation)



STATEMENT OF NON-COLLUSION (CONTINUED)

(Signature)

(Address)

Corporate I.D. Number Federal I.D. Number Date

If the Proposer is an individual, the Proposer's legal residence is as follows:

Street Address City State

If Proposer is a Firm or Partnership, complete the following:

Table with 2 columns: NAME OF MEMBERS OR PARTNERS, LEGAL RESIDENCE



STATEMENT OF NON-COLLUSION (CONTINUED)

If Proposer is a **Corporation**,
complete the following:

NAMES OF ALL OFFICERS

_____ President	_____
_____ Vice President	_____
_____ Secretary	_____
_____ Treasurer	_____
_____ Title	_____

[NO FURTHER TEXT ON THIS PAGE]



QUALIFICATION FORM B-4

DISCLOSURE OF PRIOR NON-RESPONSIBILITY DETERMINATIONS

Name of Individual or Entity Seeking to Enter into the Procurement Contract:

Address:

Name and Title of Person Submitting this Form:

Project Name:

Date: _____

1. Has any Governmental Entity made a finding of non-responsibility regarding the individual or entity seeking to enter into the Procurement Contract in the previous four years? (Please check box):

No Yes

If yes, please answer the next questions:

2. Was the basis for the finding of non-responsibility due to a violation of State Finance Law §139-j (Please check box):

No Yes

3. Was the basis for the finding of non-responsibility due to the intentional provision of false or incomplete information to a Governmental Entity? (Please check box):

No Yes

4. If you answered yes to any of the above questions, please provide details regarding the finding of non-responsibility below.



**DISCLOSURE OF PRIOR NON-RESPONSIBILITY DETERMINATIONS
(CONTINUED)**

Governmental Entity:

Date of Finding of Non-responsibility: _____

Basis of Finding of Non-Responsibility:

(Add additional pages as necessary)

5. Has any Governmental Entity or other governmental agency terminated or withheld a Procurement Contract with the above-named individual or entity due to the intentional provision of false or incomplete information?

(Please circle):

No Yes

6. If yes, please provide details below:

Governmental Entity: _____

Date of Termination or Withholding of Contract: _____

Basis of Termination or Withholding:

(Add additional pages as necessary)

Offerer certifies that all information provided to the Governmental Entity with respect to State Finance Law §139-k is complete, true and accurate.

By: _____ Date: _____
(Signature)

Name: _____
(Print)

Title: _____



QUALIFICATION FORM B-5

FINANCIAL INFORMATION SUMMARY

Entity Name: _____

Project Role: _____

		2021 ¹	2020 ¹	2019 ¹
		(Year End)	(Year End)	(Year End)
Income Statement				
A	Gross Revenues			
B	Cost of Sales			
C	Gross Profit (A-B)			
D	Operating Expenses			
E	Earnings Before Interest and Taxes			
F	Interest			
G	Taxes			
H	Earnings Before Interest, Taxes, Depreciation and Amortization			
Balance Sheet				
A	Current Assets			
B	Inventories			
C	Goodwill/Intangibles			
D	Total Assets			
E	Current Liabilities			
F	Short-Term Debt			



		2021¹ (Year End)	2020¹ (Year End)	2019¹ (Year End)
G	Long-Term Debt			
H	Total Liabilities			
I	Net Worth (D-H)			
Cash Flow Statement				
A	Cash Flow From Operations			
B	Net Cash Flow from Investing Activities			
C	Net Cash Flow from Financing Activities			
D	End of Year Cash and Cash Equivalents			
Other				
A	Financial Statement Currency			
B	USD: Local Currency Exchange Rate			
C	Ratings (e.g. Fitch Ratings, Moody's Investors Service, and S&P Global Ratings)			

¹ Express in millions (000,000) of US dollars. Where applicable, companies should indicate the conversion to US dollars, using the average periods' exchange rate for income statements and cash flow statements, and for period end exchange rate for balance sheet times. The local currency and exchange rate used should be identified, if applicable.



QUALIFICATION FORM C

REFERENCE INFORMATION FOR KEY ENTITIES

Name of Proposer/Key Entity:

Title of Referenced Project:

Description of the Services Provided:
--

Percentage of Overall Project Work Performed by Entity: %
--

Reference Owner Name: Contact Name: Email: Phone:
--

Contract Amount:	Other Completion Milestones Description: Proposed: Actual/Projected: Description: Proposed: Actual/Projected: Description: Proposed: Actual/Projected:
Contracting Method:	
% Complete: %	
Substantial Completion Proposed: Actual/Projected:	
Final Completion Proposed: Actual/Projected:	



QUALIFICATION FORM D
SAFETY QUESTIONNAIRE

(a) Safety Performance

Contractor Description

	2017	2018	2019	2020	2021
Average number of employees.					
Number of fatalities. <i>(OSHA 300 Log column G total)</i>					
No. days away from work cases, or cases with job transfer or restrictions, or both. <i>(OSHA 300 Log column H & I totals)</i>					
Other recordable cases - medical only; without lost or restricted workdays. <i>(OSH 300 Log column J)</i>					
Total recordable cases <i>(OSHA 300 Log totals of columns G, H, I, & J)</i>					
Total hours worked					
OSHA Total Recordable Incident Rate (TRIR) <i>(Total recordable cases per 200,000 hours worked)</i>					
OSHA Lost Workday Case Incident Rate (TCIR) <i>(Days away cases per 200,000 hours worked)</i>					



**SAFETY QUESTIONNAIRE
(CONTINUED)**

(b) Safety Violations

List all OSHA (or other health and safety agency) violations issued against any company or organization on the Proposer's team since January 1, 2016.

i.	Team Member:	
	Date of Offence:	
	Description:	
	Info attached?	<input type="checkbox"/> (Yes/No) - attach further description to Proposal if necessary.

ii.	Team Member:	
	Date of Offence:	
	Description:	
	Info attached?	<input type="checkbox"/> (Yes/No) - attach further description to Proposal if necessary.

iii.	Team Member:	
	Date of Offence:	
	Description:	
	Info attached?	<input type="checkbox"/> (Yes/No) - attach further description to Proposal if necessary.

iv.	Additional Offences?	<input type="checkbox"/> (Yes/No) - attach further description to Proposal if necessary.
-----	----------------------	--

(c) Safety Performance – EMR

Provide Worker's Compensation Experience Ratings on the table below.

• If General Contractor is structures contractor and/or excavation contractor then please state 'N/A' or '0' in cells that are not applicable.



SAFETY QUESTIONNAIRE (CONTINUED)

- Final two blank columns are for Proposer to identify (insert name & construction discipline) any other team member company/organization that will be performing over 20% of the project's construction work.
- Include endorsement page from your latest insurance policy, or have your insurance carrier/broker provide this information on their letterhead. In the 'Endorsement' column indicate 'Attached' to say that it is included in your Proposal.

Proposer's Team Member	Endorsement*	2017	2018	2019	2020	2021

If EMR exceeds 1.00 in any of the cells above, attached an explanation with Proposal (Attached/N/A)

(d) OSHA Violations

Provide information and details below for any serious violations of the Occupational Safety and Health Act, as provided in Part 1 (commencing with Section 6300) of Division 5 of the Labor Code, settled against any member of the Proposer's team:

Proposer team member:

Details

Proposer team member:

Details



**SAFETY
QUESTIONNAIRE
(CONTINUED)**

Proposer team member:

Details

Additional cases submitted as an attachment to the Proposal (Yes/None)

[NO FURTHER TEXT ON THIS PAGE]

ATTACHMENT #5
EXHIBIT G – INSURANCE REQUIREMENTS
(REVISED)

(ATTACHED)

EXHIBIT G
INSURANCE REQUIREMENTS

A. General Requirements

The total cost of the required insurance listed in Items B. and C. below, must be incorporated into the Cost Proposal. The additional insured protection afforded BPCA, BPCPC, and the State of New York must be on a primary and non-contributory basis. All policies must include a waiver of subrogation in favor of BPCA, BPCPC, and the State of New York, no policies may contain any limitations / exclusions for New York Labor Law claims, and cross liability coverage must be provided for BPCA, BPCPC, and the State of New York.

All of the carriers that provide the below required insurance must be rated “A-:VII” or better by A.M. Best and must provide direct written notice of cancellation or non-renewal to BPCA, BPCPC, and the State of New York at least 30 days before such cancellation or non-renewal is effective, except for cancellations due to non-payment of premium, in which case 10 days written notice is acceptable.

B. Insurance Requirements for the Selected Proposer

The selected Proposer will be required to obtain and provide proof of the types and amounts of insurance listed below: (i) as a condition precedent to the award of the contract for the Project; and (ii) continuing throughout the entire Term. The insurance policies listed below must also conform to the applicable terms of the Contract, as shown in BPCA’s sample form of contract attached.

- **Commercial General Liability Insurance**, written on ISO Form CG 00 01 or its equivalent and with no modification to the contractual liability coverage provided therein, shall be provided on an occurrence basis and limits shall not be less than:
 - \$11,000,000 per occurrence
 - \$12,000,000 general aggregate which must apply on a per location / per project basis
 - \$12,000,000 products/completed operations aggregate

BPCA, BPCPC, and the State of New York must be protected as additional insureds on ISO Form CG 2010 (11/85) or its equivalent on policies held by the selected Proposer and any of its subcontractors. Should the Proposer’s work include construction activities of any kind then the Proposer must maintain Products / Completed Operations coverage for no less than three years after the construction work is completed, and continue to include Additional Insured protection for BPCA, BPCPC & the State of New York for the prescribed timeframe. When providing evidence of insurance the Proposer must include a completed Acord 855 NY form. Securing the required limits via a combination of primary and umbrella/excess liability policies is allowed. The General Aggregate limit must apply on a per project basis on the primary General Liability policy should a combination of primary and Umbrella/Excess liability policies be utilized to secure the required total limits of coverage.

- **Automobile Liability Insurance** with a combined single limit of not less than \$1,000,000. Coverage must apply to the Proposer’s owned, hired, and non-owned vehicles and protect BPCA, BPCPC, and the State of New York as additional insured.

- **Workers' Compensation, Employer's Liability, and Disability Benefits** shall not be less than statutory limits, including United States Longshore and Harbor Workers Act coverage as applicable to the operations of the Proposer.
- **Builder's Risk / Installation Floater Insurance** in an amount not less than 100% of the full contract price. Coverage must be written on ISO Special Form CP 10 30 04 02 or its equivalent on a completed value non-reporting basis and provide coverage for the Proposer, all subcontractors, BPCA, BPCPC, and the State of New York. Coverage must apply to property while on site, off site, and in transit, include an agreed amount provision which eliminates any coinsurance provision, and include BPCA as a loss payee. Coverage must include the insurable interests of all subcontractors retained by the Proposer.
- **Contractor's Pollution Liability Insurance** covering bodily injury, property damage, clean-up costs/remediation expenses and legal defense costs. Such insurance shall provide coverage for sudden and non-sudden pollution conditions arising out of the Proposer's operations in Battery Park City. The limit of coverage shall not be less than \$1,000,000 per occurrence. BPCA, BPCPC, and the State of New York must be protected as additional insureds on policies held by the selected Proposer and any of its subcontractors.

C. Insurance Requirements for all Subcontractors

Any subcontractor(s) utilized by the selected Proposer will be required to obtain the types and amounts of insurance listed below: (i) as a condition of commencing any Work; and (ii) continuing throughout the duration of such subcontractor's Work. The insurance policies listed below must also conform to the applicable terms of the Contract, as shown in BPCA's Standard Form of Contract (attached as Exhibit H).

- **Commercial General Liability Insurance**, written on ISO Form CG 00 01 or its equivalent and with no modification to the contractual liability coverage provided therein, shall be provided on an occurrence basis and limits shall not be less than:
 - \$1,000,000 per occurrence
 - \$2,000,000 general aggregate which must apply on a per location / per project basis
 - \$2,000,000 products/completed operations aggregate

BPCA, BPCPC, and the State of New York must be protected as additional insureds on ISO Form CG 2010 (11/85) or its equivalent on policies held by all subcontractors. Should the subcontractor's work include construction activities of any kind then the subcontractor must maintain Products / Completed Operations coverage for no less than three years after the construction work is completed and continue to include Additional Insured protection for BPCA, BPCPC & The State of New York for the prescribed timeframe. When providing evidence of insurance the subcontractor must include a completed Acord 855 NY form. Securing the required limits via a combination of primary and umbrella/excess liability policies is allowed. The General Aggregate limit must apply on a per project basis on the primary General Liability policy should a combination of primary and Umbrella/Excess liability policies be utilized to secure the required total limits of coverage.

- **Automobile Liability Insurance** with a combined single limit of not less than \$1,000,000. Coverage must apply to the subcontractor's owned, hired, and non-owned vehicles and protect BPCA, BPCPC, and the State of New York as additional insured.
- **Workers' Compensation, Employer's Liability, and Disability Benefits** shall not be less than statutory limits, including United States Longshore and Harbor Workers Act coverage as applicable to the operations of the subcontractor.
- **Subcontractors will also be required to obtain all other insurances listed in Paragraph B (above), unless otherwise approved in writing by BPCA prior to commencement of any Subcontractor's work.**

D. Bonds

Provide a letter from your surety(ies) stating that you are able to provide a payment bond and a performance bond as specified in Exhibit D – Section 1-8 of this RFP.

[NO FURTHER TEXT ON THIS PAGE]