HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT – CONTRACT 3

DESIGN-BUILD PROJECT

PIN X731.65, Contract D900055

Request for Proposals

Addendum #8

July 22, 2022

Modification to the Request for Proposals

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT – CONTRACT 3

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Note to Proposers

Differences between the deleted pages and the revised pages have been identified as follows:

- Brackets have been inserted on the left-hand margin of the pages to indicate where changes have been made to the documents; and
- Text additions have been shown in underlined red font and text deletions have been shown in crossed out red font.

General Instructions

Delete pages A-i and A-2 of the Instructions to Proposers, Appendix A, Project Information, and substitute the attached pages A-i and A-2.

Delete page C-9 of the Instructions to Proposers, Appendix C, Technical Proposal Submittal Requirements, and substitute the attached page C-9.

Delete page 26 of the DB Contract Documents, Part 2, DB Section 100 General Provisions, and substitute the attached page 26.

Delete pages v, viii, 80, 122, 132, 133, 150, 151, 155, 171, 189, 194, 218, and 218A of the DB Contract Documents, Part 3, Project Requirements, and substitute the attached revised pages v, viii, 80, 122, 132, 133, 150, 151, 155, 171, 189, 194, 218, and 218A.

Add the attached page 218B to the DB Contract Documents, Part 3, Project Requirements.

Delete page A-1 of the DB Contract Documents, Part 4, Utility Requirements, Appendix A, Utility Requirements, and substitute the attached revised page A-1.

Delete Indicative Utility Plans UTN-03, UTC-02, UTD-03, UTD-04, UTR-01, UTS-02 through UTS-05, UTV-02, UTV-04, and UTW-01 through UTW-04 of the DB Contract Documents, Part 4, Utility Requirements, Appendix C, Indicative Utility Plans, and substitute the attached revised Indicative Utility Plans UTN-03, UTC-02, UTD-03, UTD-04, UTR-01, UTS-02 through UTS-05, UTV-02, UTV-04, and UTW-01 through UTW-04.

Delete Directive Plans IND-1, AL-03, AL-05 through AL-10, AL-14, MST-2, RP-02, RP-03, RP-04, LN-02, TPD-01, UD-07, UD-08, UD-09, LEK-01, UDE-01, UDE-02, and LPT-02 of the DB Contract Documents, Part 6, RFP Plans, and substitute the attached revised Directive Plans IND-1, AL-03, AL-05 through AL-10, AL-14, MST-2, RP-02, RP-03, RP-04, LN-02, TPD-01, UD-07, UD-08, UD-09, LEK-01, UDE-01, UDE-02, and LPT-02.

Add Directive Plans UD-10, UD-11, UDE-03 and UDE-04 to the DB Contract Documents, Part 6, RFP Plans.

Delete Indicative Plans IND-2, TYP-01 through TYP-05, TYP-07 through TYP-14, TYP-16, WZTC-KEY-1, WZTC-R0-02, WZTC-B1-02, WZTC-B1-03, WZTC-R1-11, WZTC-R1-12, WZTC-R1-13, WZTC-R1-21, WZTC-R1-22, WZTC-B1-32, WZTC-B2-33, WZTC-B2-01, WZTC-B2-02, WZTC-R2-01, WZTC-R2-02, WZTC-R2-11, WZTC-R2-22, WZXS-1-2, WZXS-1-3, WZXS-2-2, WZXS-2-3, WZXS-3-2, WZXS-3-3, WZXS-3-4, WZXS-4-3, WZXS-4-4, KP-1, GP-05, PRO-1, PRO-2, PRO-3, LN-00, TRP-05, TRT-01, TRT-02, UP-01 through UP-05, LPT-01, LEP-02, USD-02, EL-01, FP-01, FP-02, and FP-06 through FP-10, and substitute with the attached Indicative Plans IND-2, TYP-01 through TYP-05, TYP-07 through TYP-14, TYP-16, WZTC-KEY-1, WZTC-R0-02, WZTC-B1-02, WZTC-B1-03, WZTC-R1-11, WZTC-R1-12, WZTC-R1-13, WZTC-R1-21, WZTC-R1-22, WZTC-B1-32, WZTC-B2-33, WZTC-B2-01, WZTC-B2-02, WZTC-R2-01, WZTC-R2-02, WZTC-R2-11, WZTC-R2-22, WZXS-1-2, WZXS-1-3, WZXS-2-2, WZXS-2-3, WZXS-3-2, WZXS-3-3, WZXS-3-4, WZXS-4-3, WZXS-4-4, KP-1, GP-05, PRO-1, PRO-2, PRO-3, LN-00, TRP-05, TRT-01, TRT-02, UP-01 through UP-05, LPT-01, LEP-02, USD-02, EL-01, FP-01, FP-02, and FP-06 through FP-10.

Delete the Critical Design Element attachment of the DB Contract Documents, Part 7, Engineering Data, and substitute with the attached Critical Design Element attachment.

Delete Staging Area Plan STG-02 of the DB Contract Documents, Part 7, Engineering Data, and substitute with the attached Staging Area Plan STG-02.

Delete page iii of the DB Contract Documents, Part 8, Special Specifications and substitute the attached page iii.

Delete Specification Items 683.09150011 – Transmit Tag Reader, 683.09150111 – Transmit Antenna, and 680.17006011 – 60 Foot Camera Pole from the DB Contract Documents, Part 8, Special Specifications.

Add the attached Specification Item 683.17006011 – 60 Foot Camera Pole to the DB Contract Documents, Part 8, Special Specifications.

No other provision of the solicitation is otherwise changed or modified.

TABLE OF CONTENTS

A1.0 DESCRIPTION OF THE PROJECT 1
A2.0 PROJECT GOALS 2
A3.0 PROJECT LABOR AGREEMENT 3
A4.0 REFERENCE DOCUMENTS 3
A5.0 PROCUREMENT SCHEDULE 3
A5.1 ANTICIPATED PROCUREMENT SCHEDULE 3
A5.2 PROPOSAL DUE DATE 4
A6.0 CONFLICT OF INTEREST 4
A7.0 DBE PARTICIPATION GOAL 4
A8.0 DEPARTMENT'S DESIGNATED REPRESENTATIVE 54
A9.0 ONE-ON-ONE MEETINGS 5
A9.1 MEETINGS DURING PROPOSAL PERIOD 5
A9.2 POST-PROPOSAL MEETINGS 6
A9.3 STATEMENTS AT MEETINGS 6
A10.0 PROPOSAL STIPEND 7
A11.0 ALTERNATIVE TECHNICAL CONCEPTS (ATCS) 7
A11.1 SUBMITTAL AND REVIEW OF ATCS 7
A11.2 CONTENT OF ATC SUBMITTALS 8
A11.3 SUBMISSION OF ATC SUBMITTALS 9
A11.4 DETERMINATION BY THE DEPARTMENT 9
A11.5 INCORPORATION INTO PROPOSAL 9
A11.6 CONFIDENTIALITY 10
A12.0 QUALITY EVALUATION FACTORS, SUBFACTORS AND WEIGHTING 10
A12.1 QUALITY EVALUATION FACTORS AND SUBFACTORS 10
A12.1.1 DESIGN-BUILD ORGANIZATION AND PROCESS 11
A12.1.2 DESIGN-BUILD APPROACH TO THE PROJECT (TECHNICAL SOLUTIONS) 12
A12.1.3 SCHEDULE 14
A12.2 QUALITY EVALUATION WEIGHTING 15

c. Redesign of 6 local street intersections, including curb extensions, widened medians, and shorter crosswalks to improve pedestrian safety, and traffic and pedestrian signal modification
d. Construction of a shared-use path and Bike path on Bruckner Boulevard between Barretto Street and Whittier Street
e. Replacement of fence on retaining wall parapet and along Right-of-way adjacent to Railroads
f. Street lighting improvements
g. Landscaping
h. Drainage Improvements

A2.0 PROJECT GOALS

The Department's goals and objectives for the Project are to:

A) PROJECT SPECIFIC GOALS;

1) Ensure a long-service life for all Project elements to satisfy long term preservation goals.
~~Ensure the safety of the traveling public.~~
~~Maximize the impact of the public investment in the Project by:~~
~~a) Providing cost-effective solutions.~~
~~b) Sequencing construction to minimize effects on vehicular traffic operations;~~
~~c) Reducing future maintenance requirements; and~~
~~d) Minimizing impacts on the environment.~~
~~Deliver the Project safely, on schedule and within budget.~~
~~Ensure coordination with all utility owners, third parties and Project stakeholders and any adjacent construction projects.~~
2) Provide improved operational efficiencies in and around the project area.
~~Ensure the project is compliant with the Department's environmental commitments.~~
3) Provide best value to the Department.

B) Ensure the safety of the traveling public;

C) Maximize the impact of the public investment project by:

1) Providing cost-effective solutions that maximizes value over the life of the Bruckner Expressway Viaduct and the Hunts Point Corridor;

2) Sequencing construction to minimize effects on vehicular traffic operations;

3) Reducing future maintenance requirements;

4) Minimizing effects on residential neighborhoods and business communities; and

5) Minimizing impacts on the environment.

D) Deliver the Project safely, on schedule and within budget.

E) Ensure coordination with utility owners, third parties, the surrounding residential community, Project stakeholders and any adjacent construction projects.

F) Ensure the Project is compliant with the project's environmental commitments and conditions.

Table C
Format of Volume 2

Proposal Component	Reference
Volume 2, Section 1 – Design-Builder's Organization and Process	
Section 1A – Key Personnel	
Key Personnel Form R	C2.1
Section 1B – Overall Design-Build Team Organization	
Design-Build Team Organization Chart (Narrative, Max 5 pages plus 11x17 org chart)	C2.2.1
Design-Build Team Communication Protocol (Narrative, Max 5 pages plus 11x17 communication graphic)	C2.2.2
Design-Build Quality Control Plan (max 20 pages plus org charts)	C2.2.3
Volume 2, Section 2 – Design Build Approach to the Project (Technical Solutions)	
Section 2A – Project Understanding	
Project Understanding (Narrative, max 6 pages, Form R1 – max 4 pages, Form R2 – max 4 pages)	C3.1
Section 2B – Design Solutions	
Design Approach (Narrative, max 15 pages)	C3.2.1
Copies of Department's approval letters for each ATC that is incorporated into the Proposer's Proposal along with each submitted ATC that was approved and used.	C3.2.1
Section 2C – Construction Approach (Means and Methods)	
Overall Project Construction Sequence (maximum 15 pages)	C3.3.1
Work Zone Traffic Control (maximum 15 pages)	C3.3.2
Protection of Existing Facilities (maximum 3 pages)	C3.3.3
Utility Work (maximum 5 pages)	C3.3.4
Drainage Modifications (maximum 4 page)	C3.3.5
Model Management Plan (maximum 8 pages)	C3.3.6
Railroad/Transit Management Plan (maximum 2 pages)	C3.3.7
Attachment A – Design Drawings	
Project Limits	C3.2.2
General Configurations	C3.2.2
Construction Phasing	C3.2.2
Demolition Limits	C3.2.2
Work Zone Traffic Control	C3.3.2
Renderings	C3.2.2
Attachment B – Project Schedules	
Initial Baseline Progress Schedule (maximum 80~~50~~ pages)	C4.1
Initial Baseline Progress Schedule Narrative (maximum 20 pages)	C4.1
Form SCD – Schedule of Contract Durations	C4.2
Attachment C – 3D Animation	
3D Animation	C5.0

Note: Volume 2, Attachment A – Design Drawings, shall be submitted in a separate 11"x17" binder.

the Design-Builder's activities.

6. ***Waiver of Subrogation.*** As to every type and form of insurance coverage required from the Design-Builder, there shall be no right of subrogation against **the State of New York/New York State Department of Transportation**, its agents or employees. To the extent that any of Design-Builder's policies of insurance prohibit such a waiver of subrogation, Design-Builder shall secure the necessary permission to make this waiver.

7. ***Policy Renewal/Expiration.*** At least ten (10) calendar days prior to the expiration of any policy required by this contract, evidence of renewal or replacement policies of insurance with terms no less favorable to the Department than the expiring policies shall be delivered to the Department in the manner required for service of notice in Paragraph A.3. Certificates of Insurance/Notices above.

8. ***Self-Insured Retention/Deductibles.*** Design-Builders utilizing self-insurance programs are required to provide a description of the program for Department approval. Collateralized deductible and self-insured retention programs administered by a third party may be approved. Except as may be specifically provided in the Contract Documents of a particular project, the Design-Builder or third-party-administered insurance deductible shall be limited to the amount of the bid deposit or ~~$1~~$3,000,000, whichever is less. Security is not required if it is otherwise provided to an administrator for an approved risk management program. The Department will not accept a self- insured retention program without security being posted to assure payment of both the self-insured retention limit and the cost of adjusting claims. The Design-Builder shall be solely responsible for all claim expense and loss payments within any permitted deductible or self-insured retention. If the Design-Builder's deductible in a self- administered program exceeds the amount of the bid deposit, the Design-Builder shall furnish an irrevocable Letter of Credit as collateral to guarantee its obligations. Such Letter of Credit or other collateral as may be approved by Department must be issued by a guarantor or surety with an AM Best Company rating of (A -) or better. If, at any time during the term of this agreement, the Department, in its sole discretion, determines that the Design-Builder is not paying its deductible, it may require the Design-Builder to collateralize all or any part of the deductible or self-insured retention on any or all policies of insurance or, upon failure to promptly do so, the same may be withheld from payments due the Design-Builder.

9. ***Waiver of Indemnities.*** The Design-Builder waives any right of action it and/or its insurance carrier might have against the Department (including its employees, officers, commissioners, or agents) for any loss that is covered by a policy of insurance that is required by this contract. The Design-Builder waives any right of action it and/or its insurance carrier might have against the Department (including its employees, officers, commissioners, or agents) for any loss, whether or not such loss is insured.

10. ***Subcontractor's Liability Insurance.*** In the event that any portion of the Work described in this contract is performed by an approved subcontractor, the

SECTION 13 GEOTECHNICS 123

13.1 SCOPE 123
13.2 STANDARDS 123
13.3 DESIGN REQUIREMENTS 123
13.3.1 Geotechnical Work Plan 123
13.3.2 Geotechnical Investigations 124
13.3.3 Geotechnical Data Report 124
13.3.4 Foundation Design Report 125
13.3.5 Excavations and Embankments 125
13.3.6 Retaining Walls 126
13.3.7 Geotechnical Instrumentation and Construction Monitoring 127
13.3.8 Temporary Works 128
13.3.9 Seismic Soil Classification 128
13.4 CONSTRUCTION REQUIREMENTS 128
13.4.1 Dewatering and Groundwater Control 128
13.4.2 Structure Foundations 128
13.4.3 Excavations and Embankments 130
13.4.4 Condition Surveys 130
13.4.5 Work Adjacent to NYCT Tunnels 131
13.4.6 Work on or Adjacent to Amtrak Railroad Property 132
13.4.7 Work Adjacent to NYC Department of Environmental Protection (DEP) Infrastructures 132
13.5 DELIVERABLES 132

SECTION 14 STRUCTURES 133

14.1 SCOPE 133
14.2 STANDARDS 134
14.2.1 Performance Engineered Concrete Mixtures 134
14.3 DESIGN REQUIREMENTS 135
14.3.1 Components 137
14.3.2 Concrete Inspection and Crack Repair 143
14.3.3 Aesthetics 145
14.4 DEMOLITION REQUIREMENTS 146
14.4.1 Scope 146
14.5 CONSTRUCTION REQUIREMENTS 148
14.5.1 Construction Vehicles on Bridge 148
14.6 LOAD RATING SUBMISSION REQUIREMENTS 148
14.7 TEMPORARY STRUCTURES AND STRUCTURAL LIFTING OPERATIONS 149
14.8 MINIMUM DETAILING AND DOCUMENTATION REQUIREMENTS FOR REHABILITATED/REPAIRED STRUCTURES 149
14.9 INVENTORY REQUIREMENTS 149
14.10 DELIVERABLES 149

SECTION 15 LANDSCAPE ARCHITECTURE 150

15.1 SCOPE 150
15.1.1 Proposed Planting 150
15.2 STANDARDS 150
15.3 GENERAL LANDSCAPE DEVELOPMENT 150
15.3.1 Existing Vegetation 150
15.3.2 Tree Replacement Factors 151
15.3.3 Replacement Locations 151
15.3.4 Proposed Planting 151

SECTION 16 SIGNAGE, PAVEMENT MARKING AND SIGNALS 153

16.1 SCOPE OF WORK 153
16.2 STANDARDS 153

SECTION 25 BUILDING INTEGRATED MANAGEMENT (BIM) 3D/4D/5D MODELING 198

25.1 SCOPE 198
25.2 STANDARDS AND REFERENCES 199
25.2.1 CADD 199
25.2.2 3D/4D/5D Modeling 203
25.2.3 CADD/Model Manager 204
25.2.4 Model Management Plan 204
25.2.5 Department-Supplied Data 205
25.2.6 3D/4D/5D Modeling Deliverables 205
25.2.7 Definitions 205
25.2.8 Visualizations and Computer-Generated 3D Animations 208
25.3 AS-BUILT DELIVERABLES 214
25.3.1 3D CADD 'As-Built' Model 214
25.3.2 3D GIS 'As-Built' Model of Major Transportation Assets 216
25.4 PERFORMANCE INDICATORS AND DATA COLLECTION 216

SECTION 26 PEDESTRIAN, BICYCLE AND SHARED USE PATHS 218

26.1 PEDESTRIAN AND SHARED USE PATHS 218A
26.2 BIKE PATHS 218A
26.3 BIKE SHARING STATION 218A
26.4 PIGMENTED CONCRETE 218A
26.5 SITE SALVAGED GRANITE PAVERS 218A
26.6 CONCRETE UNIT PAVERS 218B
26.7 NYCDOT CITYBENCH 218B

SECTION 27 PARK AND RIDE FACILITY UNDER BRUCKNER EXPRESSWAY . 219

and meet with the Department to resolve outstanding comments and dispositions. Resubmissions of Design Units may be required in order to resolve comment.

5.9 SCHEDULE FOR DESIGN CHECKS AND REVIEWS

The Design-Builder is responsible for scheduling and conducting Design Reviews to meet design and/or construction needs of the Baseline Progress Schedule. It is recognized and anticipated that the Design Review process and frequency, duration and intensity of Design Reviews may vary with the complexity of the individual Design Units and the associated construction activities. The duration of Design Reviews shall be discussed and mutually agreed between the Department and Design-Builder during the Design Workshop (Section 5.11.1) and verified and modified by mutual agreement during the course of the Project. The Design-Builder shall give written notice of scheduled Design-Reviews to the Design Quality Assurance Engineer at least one week prior to any review.

The Design-Builder shall include the agreed Design Review schedule for all Design Units as part of the Baseline Progress Schedule. The Design Review schedule shall be reviewed monthly. The Design-Builder shall not schedule more than three~~two~~ concurrent Design Reviews per discipline without the Department's concurrence.

Except for As-Built Plans, plans to be reviewed shall be in the form of sufficient copies of Design Plans and Project Specifications and supporting data and reports assembled for review to accommodate participants in the Design Review(s).

The Design-Builder shall make specified submittals of checked designs in accordance with Section 5.7. Submissions shall be complete for each Design Unit, but may be combined for multiple Design Units at any one time upon the Department's concurrence. The Design-Builder shall submit each Design Unit for Consultation and Written Comment by the Design QA Engineer. The Design-Builder shall provide written responses to all comments provided by the Design QA Engineer.

For each Design Unit, the Design-Builder shall include design checks and Design Reviews as indicated in Section 5.8, and such additional reviews as may arise. The Design-Builder shall allow the time for the Department's participation and input to any Design Review conducted by the Design-Builder's Design QC Engineer. The Design-Builder shall incorporate this schedule into Design-Builder's Baseline Progress Schedule and report progress and updates in the monthly updates. The Design-Builder shall keep the Department up to date on exact timing of reviews and Release for construction Design Reviews through the scheduled progress meetings.

5.10 COMMON DESIGN DOCUMENTS

Certain types of Design Documents are required for all elements and engineering disciplines. In addition to the Submittal requirements listed in each Section of the Technical Provisions, the Design-Builder shall prepare and submit the following Design Documents for every element and engineering discipline.

5.10.1 Design Criteria Report

The Contract Documents provide design criteria for some designs. The Design-Builder shall develop design criteria for the remaining designs. The Design Criteria Report shall identify how the requirements of the Contract Documents have been interpreted in terms of the configuration, performance, and all other requirements. Design Criteria shall also specify the relevant editions

12.4 NYCDEP REQUIREMENTS

The Design-Builder shall design and construct all NYCDEP-owned water and storm, sanitary and combined sewer utilities, in accordance with, but not limited to, the following requirements:

- All sewers within the project limits will be inspected before and after construction. NYCDEP will be notified if any adverse conditions are observed.
- The Design Builder shall provide NYCDEP with plans showing the street flow (storm flow) direction within the project limits and provide curb elevation (TC/BC).
- All proposed catch basins shall be installed at the low point and must be DEP standard Type 1 Catch basins (unless specified by DEP). Catch basins shall not be installed within the driveway/crosswalk/pedestrian ramp within the city street.
- All proposed catch basin connections to existing DEP sewers must be labeled as 12-inch DI pipe Class 56.
- All proposed water main less than 24" in diameter shall be ductile iron pipe unless noted on the plans.
- At any location where proposed catch basins are to be installed adjacent to existing or proposed structures/utilities within the project area, section details to show edge-to-edge horizontal and vertical clearances of proposed catch basins to adjacent structures/utilities must be provided.
- Minimum 6-foot edge to edge horizontal clearance between foundations and sewer/water utilities shall be provided. Cross sections shall be submitted to DEP for review and comment for all locations where DEP's utilities are located within or adjacent to proposed new structures.
- Cross Sections shall indicate the vertical and horizontal clearances between the outside top of the existing water mains and the bottom or the edge of the proposed construction of the proposed or removed sidewalk/median. Any damage caused to the DEP infrastructure due to proposed work must be repaired/replaced by the Design-Builder in accordance with DEP latest standards and specifications.
- Cross sections shall be submitted where DEP utilities are located near proposed retaining walls. The cross sections shall show both horizontal and vertical clearances between DEP utilities and the foundation of retaining wall (edge to edge). If horizontal clearance is less than 6 feet, the utilities shall be relocated/replaced.
- Minimum 6-foot edge to edge horizontal clearance is required between foundations and sewer/water utilities.
- Edge-to-edge horizontal and vertical clearances of proposed catch basins to adjacent structures/utilities shall be shown on DEP submission at any location where proposed catch basins are to be installed adjacent to existing or proposed structures/utilities.
- If the existing NYCDEP manhole material is brick, the Design Builder shall gunite the brick manhole before connecting a new catch basin connection.
- For the purpose of estimating the amount of qunite needed for manholes, the Design Builder shall assume all manholes are brick unless otherwise noted on the plans.
- If the Design Builder makes a new connection to a catch basin or modifies an existing catch basin connection, they shall replace the catch basin
- NYCDEP has a critical structure (Water Tunnel) within the project limits. The Design Builder shall submit plans to DEP's Drilling and Excavation Unit for their review and approval at the email address drilling@dep.nyc.gov.

days before start of construction within a distance of 200 feet from the existing NYCT tunnels. The report will be subject to the review and acceptance of the NYCT and the Department.

13.4.6 Work on or Adjacent to Amtrak Railroad Property

All underground utilities, cable, and facilities must be located and protected before any excavating, drilling, boring/directional drilling, ground penetrating activities, or construction takes place. This includes railroad and commercial utilities, cables, duct lines, and facilities. These activities will not be performed in close proximity to the Amtrak duct lines unless monitored by on-site Amtrak communications and signal (C&S) department personnel. Hand digging may be required, as directed by Amtrak through the on-site Amtrak C&S support personnel. Amtrak maintains the right to access all existing cables and conduits throughout construction. Amtrak also reserves the right to upgrade and install new cables and conduits in the affected area. The "one-call" process must be followed. Please note that Amtrak is not a part of the one-call process; contact Amtrak engineering to have all Amtrak underground utilities and assets located. Precautions must be taken to prevent any interruption to Amtrak's operation.

The proposed design shall not induce additional stress on the retaining wall that runs along the AMTRAK ROW. Spread footings within the influence zone of the retaining wall are not permitted.

13.4.7 Work Adjacent to New York City Department of Environmental Protection (DEP) Infrastructures

The Design Builder shall conduct pre-and post-construction inspection and survey as well as real time vibration and movement monitoring for any construction work within 100 feet of existing DEP sewers and watermains. The Design Builder shall coordinate with the DEP and follow their Specifications: Section 76.21 Monitoring and Post Construction Report and Section 76.31 Continuous Real-time Monitoring for Vibration and Movements and Post Construction Report.

Vibration Limits shall not exceed what is allowed by the DEP for sewers and watermains. Specifically, it should not exceed 0.3-inch/second for frequency less than or equal 20 Hertz, and not exceed 0.5-inch/second for frequency greater than 20 Hertz

No pile driving shall take place within 15 feet of any DEP infrastructures (only drilled piles).

The proposed design shall not induce additional stress on the existing DEP sewers or water mains.

13.5 DELIVERABLES

Deliverables shall be as stated elsewhere in the RFP documents.

SECTION 14 STRUCTURES

14.1 SCOPE

The Design-Builder shall be responsible for all work necessary to complete the design and construction of all permanent and temporary structures required to complete the Project, including, but not limited to, bridge rehabilitation and widening, bridge replacements, retaining walls, barriers, sign structures, and miscellaneous structures. The design and construction of all structural systems and components shall provide functionality, durability, ease of maintenance and inspection, and safety.

The project will include rehabilitation, modification, construction, and/or demolition of the following structures:

- BIN 1066669 Bruckner Expressway from Bent 133 (Barretto Street) to Bent 142 (Hunts Point Avenue) – Rehabilitation including removal and replacement of concrete deck and concrete barriers, removal and replacement of bearings and concrete pedestals, removal and installation of overhead sign structures, bent repairs and modifications, concrete substructure protective sealing, structural steel repairs and modifications as needed, structural steel painting, and widening for new ramps SN and SS. At Bent 133, this includes new concrete pedestals, bearings, and any required modifications to support the proposed superstructure arrangement. For Bents 139, 140, and 141, the existing hammerhead piers that carry the WB Bruckner Expressway Ramp M shall be reconstructed, or extended as required, to meet the profile of the WB Bruckner Expressway.

- BIN 1066669 Bruckner Expressway from Bent 142 (Hunts Point Avenue) to Bent 165 – Demolition of viaduct including complete removal of the superstructure.

- BIN 1066669 Bruckner Expressway from Bent 143 (Hunts Point Avenue) to Bent 165~~164~~ – Demolition and removal of bents 143 through 164; at Bent 165: removal of steel bolsters supporting existing Span 165, installation of concrete pedestals, bearings and any required modifications to support proposed ramps SS and SN.

- BIN 1066669 Bruckner Expressway from Bent 142 (Hunts Point Avenue) to new ML Abutment – Construction of new viaduct spans including retaining walls, foundations, Bent 142, 143A, 144A, 145A, and 146A, ML Abutment, structural steel, concrete barriers, concrete deck, structural steel painting and concrete substructure protective sealing.

  - For Bent 142, completely remove the existing capbeam that carries the SB Sheridan Blvd. and EB Bruckner Expressway, as well as the columns that support the capbeam down to at least 2 ft. below existing grade. Construct new column extensions and capbeams. The entire pier that carries the WB Bruckner Expressway Ramp M is to be removed to at least the top of footing and a new pier shall be constructed.

  - Bents 143A, 144A, 145A, 146A and ML Abutment are new construction and shall not reuse any existing foundation elements.

- Construction of new ramps SN and SS including foundations, piers, structural steel, concrete barriers, concrete deck, structural steel painting, and concrete substructure protective sealing.

SECTION 15 LANDSCAPE ARCHITECTURE

15.1 SCOPE

The Design-Builder shall perform the Landscape Architecture activities as described in this Section 15. The Work includes vegetation (tree) removals, vegetation (tree) protection and monitoring, soil remediation, and the development and implementation of a Landscape Development Plan (LDP). The Design-Builder shall be responsible for care of planting in accordance with NYSDOT Standard Specification §611-3.05 *Post-Planting Care*, and shall remain responsible for the maintenance and monitoring of all areas landscaped and planted by the Design-Builder until Final Acceptance. Post planting care and replacement plantings shall be as per the requirements of Special Specification 611.19010024 through 611.19070024, Post Planting Care with Replacement (Major Deciduous Trees, Minor Deciduous Trees, Coniferous Trees, Deciduous Shrubs, Evergreen Shrubs, Vines, Groundcovers, and Herbaceous Plants) for a period of one year.

Work on or near trees in city-owned rights of way are subject to permitting by Parks. As the project included work on property owned by New York City, the scope of work also includes all activities required to apply for both a NYC Parks Construction Permit (Design-Builder must obtain for design and access approval/authorization), and a NYC Parks Forestry Permit, (Design-Builder must procure prior to commencement of construction/landscape activities). See https://www.nycgovparks.org/services/forestry/tree-work-permit. In addition, the Design Builder shall incorporate a minimum 30-day NYC Parks review period into their schedule.

15.1.1 Proposed Planting

The Design-Builder's scope shall include plantings as shown in Part 6 – Directive Drawings.

15.2 STANDARDS

The Design-Builder shall perform site work in accordance with the Contract Requirements and the applicable Standards, Design Codes and Manuals cited in Section 1.6, unless otherwise stipulated in this Project Requirement or otherwise applicable to the Project.

15.3 GENERAL LANDSCAPE DEVELOPMENT

15.3.1 Existing Vegetation

Existing vegetation removal and disturbance should be minimized to the cut/fill limits and any removals, whether within the cut/fill limits or beyond those areas, shall be replaced in kind with native species appropriate for USDA NY Plant Hardiness Planting Zone 7a, as described in Section 15.3.2. Existing trees within the limits of existing sidewalk removal and replacement shall be protected with temporary wooden tree guard ~~plastic barrier fence~~. Existing trees within the medians of westbound Bruckner Boulevard lanes that must be removed, shall be replaced in accordance with the requirements of Section 15.3.2.

Prior to the removal of any trees or shrubs, an inventory of existing trees and shrubs shall be prepared by the Design-Builder and a copy provided to the CQAE. The inventory shall include major deciduous trees over 6 inches in diameter at breast height (DBH), coniferous trees over 6 feet in height, and deciduous or evergreen shrubs between 3 feet and 6 feet in height. The inventory shall include the size, location and species of each tree or shrub. Only living trees and

shrubs shall be included in the existing tree inventory. The Design-Builder shall obtain acceptance from the Department's CQAE prior to the removal of any tree with a diameter breast height (DBH) of 6 inches or greater.

Vegetation outside the limits of disturbance shall be protected with temporary plastic barrier fence along the limit of disturbance line.

Disturbed areas shall receive topsoil and turf establishment. The type of topsoil and turf establishment, either roadside or lawn, will vary based on location.

15.3.2 Tree Replacement Factors

A) Every live, deciduous tree greater than ~~six~~ three inches diameter at breast height ("DBH") which is removed must be replaced with a total quantity of deciduous trees a minimum of 2 inch caliper (size measured 6 inches above the base of the tree) equal to the total DBH size of the tree removed. For example, a 10 inch DBH tree removed could be replaced with (5) two inch caliper trees or (2) three inch and (1) four inch caliper trees; however the replacement quantity will go down if larger caliper trees are used for replacement.

a. Every live, deciduous street tree in a tree pit smaller than three inches at breast height which is removed must be replaced with a total quantity of deciduous trees equal to the total DBH size of the tree removed at the following locations:

i. On Bruckner Boulevard between Barretto St. and Hunts Point Ave.

~~i.~~ii. On Longfellow Ave. between Whitlock Ave. and Aldus St.

B) Every live, coniferous tree removed must be replaced with a total quantity of coniferous trees equal to the height and width of the tree removed. For example, a 20 ft high x 10 ft wide coniferous tree could be replaced by two (2) 10 ft high x 5 ft wide coniferous trees.

C) Every live shrub, between 3 foot height and 6 foot height, removed must be replaced with a total quantity of shrubs equal to the quantity of shrubs removed.

D) Each replacement tree should be the same genus and species of the tree removed unless the tree being removed was identified by the Design-Builder as an invasive plant species.

E) The minimum replacement sizes shall be as follows: 2-inch caliper for major deciduous trees, 1.5-inch caliper for minor deciduous trees, 6-foot height for coniferous trees, 3-foot height for deciduous shrubs, and 2-foot height for evergreen shrubs.

15.3.3 Replacement Locations

Replacement planting may be located in the available right-of-way near the original locations of the trees that were removed.

Replacement planting may also be done near the right-of-way line or on private property. Planting on private property may only be done if private property owners provide written permission to the Design-Builder and agree to take over the long term care and maintenance of the plant material, and the appropriate release is obtained by the Design-Builder and in consultation with the adjoining property owner in accordance with NYSDOT EI 11-010.

A total of 48 replacement trees are required. It is anticipated that these 48 trees can be planted within the project limits. Refer to the Indicative Plans for tree locations and species.

15.3.4 Proposed Planting

The Design-Builder shall not use invasive plant species for any of the proposed planting as required by the New York State 2012 Invasive Species Prevention Act, or a monoculture of plant species, to reduce the potential for disease or invasive insect species to eradicate the proposed planting. Planting shall be located in a manner that does not interfere with the safe use of travel

- Bent 141 STA A 99+50± – Proposed Overhead Sign Structure
- STA BRW 110+60± – WB Bruckner Expressway Cantilever Overhead Sign Structure
- STA BRE 110+10± – EB Bruckner Expressway Cantilever Overhead Sign Structure
- Bent SN-5 STA SN 109+50± – Proposed Overhead Sign Structure
- STA SN 115+70± – Proposed Overhead Sign Structure

The following overhead sign structures (including~~and~~ sign panels and supports) shall be removed:

- Bent 144 STA A 102+00± – Overhead Sign Structure EB Bruckner Expressway
- STA A 109+50± – Cantilever Overhead Sign Structure EB Bruckner Expressway
- Bent 165 STA SN 116+10± – Cantilever Overhead Sign Structure Ramp to NB Sheridan Blvd

Each overhead sign structure and panels designated to be removed shall not be removed until new overhead sign structure and panels that replace such existing structure and panels have been installed or temporary guide signs have been installed. Removal shall include sign panels, sign structures, brackets and beams supporting the sign structures, and repairs to existing steel bridge girders as required.

Sign panels to be replaced on existing sign structures shall not have total square footage area exceeding existing sign panel area.

16.3.2.2 Pavement Markings

All pavement markings shall be Epoxy and be uniform in type, color, dimensions, location, and reflectivity. Pavement markings on the Bruckner Expressway shall be 20 mil thickness and shall be furnished and installed in conformance with the Standard Specifications. Pavement markings on the Bruckner Boulevard and other city streets shall be consistent with NYCDOT requirements.

Expressway and ramp shoulders wider than 6 feet shall be hatched. The hatch lines shall be spaced 100 feet on the expressway and 50 feet on the ramps. Contrast striping for skip lines on concrete surfaces shall be in accordance with NYS Thruway Authority Standard Sheet TA 685.01.

16.3.2.3 Traffic Signals

The Design-Builder shall develop a traffic signal plan for the Project that shall:

A) Provide for all traffic components; and

B) Provide signing, traffic signals for bicycle and pedestrian crossings within the Project Limits.

There are existing signalized intersections within the limits of the Project which require modification including traffic signals, and pedestrian crossing signals. The locations are listed below:

A) Bruckner Boulevard and Barretto Street

B) Bruckner Boulevard and Hunts Point Ave

C) EB Bruckner Boulevard and Faile Street

D) EB Bruckner Boulevard and Bryant Ave

E) WB Bruckner Boulevard and Whitlock Ave

New traffic and pedestrian crossing signals are required at the following intersections, which are not currently signalized:

A) 163rd Street and Hoe Avenue – New signals

18.3.4 Temporary Wireless Radio and Antenna

Section Not Used

18.3.5 Central Computer System at JTMC

All equipment installed under the contract shall be consistent with the Regional ITS Architecture, including compatibility with the Region 11 Joint Transportation Management Center ATMS software. All relevant RITSA Service Packages shall be identified prior to design for any ITS equipment to be deployed.

The IP address assignments shall be provided to the Design-Builder by the NYSDOT ITS Maintenance.

18.3.6 Closed Circuit Television (CCTV) System

18.3.6.1 Existing CCTV

The existing CCTV cameras within the Hunts Point Interstate Access Improvement Project Contract 3 that will be removed and relocated is located at:

- TV013021, on pole CE013021

This and existing cameras in the vicinity of the project limits shall remain operational during the Project until replaced.

Existing cabinet, camera, and equipment to be delivered to:

NYSDOT ITS Warehouse/Pennyfield Office 518A Throgs Neck Expy
Bronx, NY 10465
Phone # (718) 239-0743
Contact: Kevin Ledlon
Engineer-in-Charge

18.3.6.2 Installation of New CCTV:

The CCTV deployment shall consist of furnishing and installing High Definition IP CCTV camera assemblies at one (1) location located north of Hunts Point Ave at Bruckner Boulevard.

The camera shall be pole mounted and higher than the proposed light fixtures. The camera assembly location shall be designed and installed such that the line of sight of the camera is in the center line of the desired field of view when the camera is in the mid-point of the desired motion between the limit stops. The desired field of view is ½ mile in either direction of the roadway. The camera mounting shall be positioned towards the road and shall provide the desired views. The equipment shall deliver high definition full-motion video during day or night operation. The camera shall be integrated with the Region 11 system so that it operates seamlessly at the Department's Traffic Management Center. Field location of CCTV and Pole shall be submitted to NYSDOT to be verified by Regional Staff. The camera assembly shall meet or exceed the requirements of NYSDOT Specifications 683.10110008 with wiper. The new ground-mounted pole shall follow NYSDOT Special Specification 683~~0~~.17006011. The minimum height for the camera assembly should be at least 35 feet above the Expressway. The proposed CCTV

SECTION 21 DRAINAGE AND STORMWATER

21.1 SCOPE

The Design-Builder shall design and construct a storm water drainage system in accordance with ~~the~~both NYCDEP & NYSDOT design specifications as indicated. The proposed storm drain systems shall be designed to accommodate the required design flood frequency based on the Highway Functional Class of each facility per Chapter 8 of the NYSDOT HDM. The new NYSDOT owned drainage system ~~surface features at-grade~~ within the Boulevard ~~and local streets~~ (e.g. frame and grate, manhole covers,~~) and~~ pipe, bedding,~~ construction~~ catch basins, and manholes) shall conform with the NYSDOT ~~NYCDEP~~ standard details, design requirements and specifications. If required to be replaced, the NYCDEP owned drainage surface features at-grade within the Boulevard and local streets (e.g., frame and grate, manhole covers, catch basins, pipe, and bedding) shall conform with NYCDEP standard details, design requirements and specifications:
https://www1.nyc.gov/site/ddc/resources/publications.page

The Expressway and Ramps SS and SN drainage design and construction shall conform with the following:

1. NYSDOT Special Specifications for a closed drainage system, located in Part 8.
2. For at-grade drainage, provide reinforced concrete pipe per NYSDOT Specifications.
3. Stormwater management practices (SMPs) shall be designed and constructed to conform with the NYSDEC, NYSDOT, NYCDEP and manufacturer requirements and as outlined in the project SWPPP. SMP designs shall be coordinated with Contracts D900047 & D900051.

The Design-Builder shall conduct a pre-construction video inspection on existing NYCDEP and NYSDOT underground drainage facilities that are to remain within the limits of the project and a post-construction video inspection of the functioning underground drainage facilities after all drainage work, paving, and permanent construction work is completed. The inspections shall include all drainage facilities up to the nearest downstream manhole beyond the project limits. Prior to pre- and post-construction video inspections, the Design-Builder shall clean all new and existing drainage facilities (scuppers, storm drains, catch basins) to be inspected. The Design-Builder shall follow NYCDEP Sewer Standard Specifications Section 53.11 TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS. Extra care shall be taken during construction to protect the integrity of NYCDEP's existing sewer system inclusive of manholes, catch basins, sewers and system connections. Damage to the existing sewer systems within the duration of the contract shall be repaired/replaced to the satisfaction of NYSDOT's Project Manager at no additional cost to NYSDOT.

Where drainage patterns will or must be changed from existing patterns, the Design-Builder shall be responsible for securing all necessary permits prior to construction of any drainage facilities.

The following guide railing and barrier systems shall be used:

- Concrete Barrier
- Single slope 2 ft wide median concrete barrier on Bruckner Expressway matching existing median barrier at Bent 129 installed under PIN X731.64, Contract D900051. The Single slope 2 ft wide median barrier may transition to 2 half section barriers to accommodate roadway profile and cross slope changes.
- Existing concrete barrier between Bent 165 and Sheridan Abutment installed under PIN X731.63, Contract D900047 shall be removed and single slope half section concrete barriers shall be installed between Ramp SS and Ramp SN. Existing deck shall be modified as needed. Provide 4" concrete capping between proposed barriers.
- Existing concrete median barrier between STA BRE 116+08 and STA BRE 116+49 installed under PIN X731.63, Contract D900047 may need to be removed during work zone traffic control lane shift. Restore single slope concrete median barriers and capping at the end of construction.
- In accordance with EI 17-008, single slope half section concrete barrier shall not be used for at-grade roadway unless full section barrier is not feasible and the Department accepts the Design-Builder's justification for its use.
- Low Profile Concrete Barrier
    - Low profile concrete barrier conforming to Item 606.31090011 of the Special Specifications shall be installed wherever shown on the Directive Plans.

The following impact attenuators shall be used:

1. Expendable Impact Attenuators:
    a. QuadGuard M10 (TL2 & TL3)
    b. TAU-M (TL3)

2. Reusable Impact Attenuators:
    a. SCI – 70GM and 100GM (TL2 & TL3, respectively) (24" to 30" standard and 36" to 60" custom Backstop/Transitions)

3. Inertial Barrel Modules/ Sand Barrels:
    a. Traffic Devices Sand Barrels (Arrays based on Design Velocity and Hazard Width)

22.3.4 Clear zone

The Design–Builder shall clearly show the "clear zone" on the final record plans. The clear zone shall comply with NYSDOT Highway Design Manual (HDM).

22.3.5 Sidewalks

The Design Builder shall remove existing curbs and sidewalks, and construct new steel faced concrete curbs and Portland Cement Concrete sidewalks in accordance with Part 6 Directive Drawings. Curb replacement may result in the need for additional full depth pavement reconstruction in the adjacent roadway.

Sidewalk reconstruction shall extend a minimum of 25 ft, or to the limits shown in Part 6 Directive Drawings if they exceed 25 ft along local streets at newly constructed ADA compliant ramp locations.

SECTION 26 PEDESTRIAN, BICYCLE AND SHARED USE PATHS

The Design Builder shall design and construct pedestrian, two-way bicycle lanes and shared use paths between Barretto Street and ~~Hunts Point Avenue and from Hoe Avenue to~~ Bruckner over railroad bridges. The bicycle and shared use paths shall be connected to facilities on Del Valle Square constructed by others. The two-way bicycle lanes shall be separated from pedestrian sidewalks with one-foot-wide detectable warning strip.

Bicycle facilities should meet approved design standards as set forth by the AASHTO Guide for the Development of Bicycle Facilities, NYSDOT Highway Design Manual, Chapter 17 Design of Bicycle Facilities and the Federal Manual of Uniform Traffic Control Devices (MUTCD).
The requirements for the paths are as follows:

Limits on Bruckner Boulevard	**Minimum Width of Bicycle Path (ft.)**	**Minimum Width of Pedestrian/Sidewalk Path (ft.)**	**Minimum Width of Shared Used Path (ft.)**
Barretto Street to Hunts Point Ave located within existing median	~~5~~10*	8	N/A
Barretto Street to Hunts Point Ave within Westbound Bruckner Boulevard sidewalk	N/A	13	N/A
Hunts Point Ave to Hoe Ave within Westbound Bruckner Boulevard sidewalk	By others	By others	By others
Hoe Ave to Faile Street within Westbound Bruckner Boulevard sidewalk	10	4 adjacent to parking and 6 adjacent to building line	N/A
Faile Street to Bryant Ave within Westbound Bruckner Boulevard sidewalk	10	8	N/A
Bryant Ave to Whitlock Ave within Westbound Bruckner Boulevard sidewalk	10	6	N/A
Whitlock Ave to Amtrak railroad bridge within Westbound Bruckner Boulevard sidewalk	10	10	10
Barretto Street to Hunts Point Ave within Eastbound Bruckner Boulevard sidewalk	N/A	8	N/A
Hunts Point Ave to Faile Street within Eastbound Bruckner Boulevard sidewalk	N/A	10	N/A
Faile Street to Bryant Ave within Eastbound Bruckner Boulevard sidewalk	N/A	9 at existing Pedestrian bridge pier 2	N/A
Bryant Ave to Amtrak railroad bridge within Eastbound Bruckner Boulevard sidewalk	N/A	6 at approach slab	N/A
*Minimum width of 10 ft for two-way bicycle path and 5 ft for one-way bicycle paths.			

- Permanent lighting system meeting the illumination requirements in Part 3 Section 17 for shared use path (pedestrian sidewalk/bike lane).

The existing bicycle path between Longwood Avenue and Hunts Point Avenue shall be maintained until the permanent bicycle path has been completed and accepted.

26.1 PEDESTRIAN AND SHARED USE PATHS

As shown in Part 6 - Directive Plans, medians and sidewalks with pedestrian and shared use paths shall be re-graded and a 4" thick layer of concrete sidewalk over 6" thick layer of subbase course shall be placed.

26.2 BIKE PATHS

As shown in Part 6 – Directive Plans, bike paths shall be overlayed with green color surface treatment in accordance with Item 601.04040011. Surface preparation shall be in accordance with Item 635.01030011. If bike paths are shown at roadway level, the pavement should be milled and resurfaced and then overlayed with green color surface treatment up to the limits shown on the roadway plans. Bike paths on medians and sidewalks shall be re-graded and a 4" thick layer of hot-mix asphalt shall be placed with green color surface treatment. Asphalt shall be 12.5 F1 HMA, 80 Series Compaction placed on 6" of subbase.

26.3 BIKE SHARING STATION

The existing bike sharing station located at Westbound Bruckner Boulevard and Bryant Avenue is to be removed. After construction is completed, a new bike share station will be installed ~~by others~~ near Hoe Avenue and 163rd Street median. The bike sharing station will be removed, relocated, and stored by NYCDOT. The Design-Builder will need to coordinate with NYCDOT for the location and installation of this new bike share station.

26.4 PIGMENTED CONCRETE

The Design Builder shall construct new Pigmented Concrete Sidewalks at the Hunts Point Avenue and Bruckner Boulevard intersection in accordance with Part 6 Directive Drawings.

- Pigmented Concrete shall meet the requirements in Part 3 Section 22 for Sidewalks.
- Pigmented Concrete Colors shall be:
  - AMS-STD 17773
  - AMS-STD 16251

26.5 SITE SALVAGED GRANITE PAVERS

The Design Builder shall remove and salvage existing granite pavers in the median between Barretto Street and Hunts Point Avenue and along Longfellow Avenue. Granite pavers shall be reset in between Barretto Street and Hunts Point Avenue and along Longfellow Avenue in accordance with Part 6 Directive Drawings.

- Size: Existing pavers vary, approx.. 7"-12" x 7"-12" x 3"-5"
- Setting Bed: Sand cement

- Joints: Mortared
- Quantity: in accordance with Part 6 Directive Drawing notes.

26.6 CONCRETE UNIT PAVERS

The Design Builder shall construct a Concrete Paver band around the planted area at the Whitlock Avenue and Longfellow Avenue Island in accordance with Part 6 Directive Drawings.

- Size: 6” x 6” x 2 3/8”
- Color and Finish: Charcoal Gray with Natural Finish
- Setting Bed: Bituminous
- Edging Material: ¼” x 5” steel landscape edging with 15” steel stake. Color: Black

26.7 NYCDOT CITYBENCH

The Design Builder shall install metal benches along Bruckner Boulevard in accordance with the Part 6 Drawings and in accordance with the NYC Street Design Manual:

- Model: CityBench
- NYC Street Design Manual: **https://www.nycstreetdesign.info/furniture/citybench**

APPENDIX A UTILITY REQUIREMENTS

The Department has reviewed the Project limits and has made a preliminary assessment of which utility facilities located within the Project limits may be impacted by the Project

The Department has conducted advanced utility coordination with the utility companies listed below.

A-1 UTILITY COMPANIES

Table A-1 lists the utility companies with facilities located on, under or above the Project roadways and/or structures:

Table A-1 Utility Contacts

Utility Owner	Contact	Contact #	E Mail
Empire City Subway LTD/Verizon Communications	Mr. Aubrey Makhanlall	718- 977- 8165	Aubrey.n.makhanlall@verizon.com
AT&T	Mr. Louis J. Marello – Field Operations Mailroom	914-397-3744	lmarello@att.com
Cablevision	Mr. Al Clark	718-861-7382	Al.clark@alticeusa.com
Con Edison	Mr. Joseph Vinyard	718-839-1467	vinyardj@coned.com
New York City Department of Environmental Protection	Mr. Guo Zhan Wu, P.E.	718- 595- 5191	GZWu@dep.nyc.gov
Fire Department City of New York – Bureau of Plant Operations	Mr. Ed Durkin – Associate Project Manager	718-281-3933	Edward.durkin@fdny.nyc.gov
New York City Police Department	Mr. Christopher Decker - Detective	646-610-8855	Christopher.decker@nypd.org
LINK NYC	Mr. Lynn Jones Mr. Dennis Schuler	347-886-0942 646-574-2645	ljones@zenfi.com dschuler@zenfi.com

Revisions:
Added Notes 25 and 26.

GENERAL DRAINAGE NOTES

1. LOCATIONS OF EXISTING DRAINAGE STRUCTURES ARE APPROXIMATE. EXACT LOCATION AND OFFSET SHALL BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER.

2. CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING SEWERS DURING CONSTRUCTION. ANY DAMAGE CAUSED BY THE DESIGN BUILD CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, AT NO EXTRA COST TO THE CITY OR STATE.

3. REFER TO NOTE 5, CONSTRUCTION OPERATION NOTES, ON NYSDOT STANDARD SHEET 203-04 IF THERE IS A NEED FOR CONSTRUCTION EQUIPMENT TO CROSS NEW AND EXISTING DRAINAGE LINE INSTALLATIONS.

4. DRAINAGE STRUCTURES SHALL NOT BE LOCATED WITHIN CURB RAMPS OR PEDESTRIAN CROSSWALK LIMITS.

5. FOR PRECAST DRAINAGE STRUCTURES. THE DESIGN BUILD CONTRACTOR SHALL SUBMIT FIVE SHOP DRAWING PRINTS SHOWING THE PROPOSED REVISIONS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION OF THESE STRUCTURES.

6. WHEN FRAMES OR FITTINGS ARE TO BE PLACED UPON CONSTRUCTED MASONRY OR CONCRETE, THE UNITS SHALL BE SET IN MORTAR BEDS AND ANCHORED TO THE MASONRY. ALL UNITS SHALL BE SET FIRM AND SECURE. AFTER THE FRAMES OR FITTINGS HAVE BEEN SET IN FINAL POSITION AND THE MORTAR HAS BEEN ALLOWED TO HARDEN FOR 7 DAYS, THEN THE GRATES OR COVERS SHALL BE PLACED AND FASTENED DOWN.

7. DRAINAGE STRUCTURES IN THE PROJECT AREA SHALL BE MAINTAINED OPERABLE AT ALL TIMES.

8. THE DESIGN BUILD CONTRACTOR SHALL PROVIDE TEMPORARY MEANS (PIPES, PUMPS, ETC.) TO DRAIN ANY STORM WATER WHICH MAY DEVELOP WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL SUBMIT A DRAINAGE SCHEME WHICH MUST BE APPROVED BY THE ENGINEER, PRIOR TO THE START OF EACH CONSTRUCTION STAGE.

9. ALL EXISTING INVERT ELEVATIONS, PIPE DIMENSIONS AND PIPE MATERIALS ARE OBTAINED FROM SURVEY AND/OR AS-BUILTS. THE DESIGN BUILD CONTRACTOR SHALL FIELD VERIFY ALL OF THESE DETAILS BEFORE COMMENCING WORK.

10. THE DESIGN BUILD CONTRACTOR'S ATTENTION IS DIRECTED TO OSHA STANDARDS, SECTION 1926.651(G) CONCERNING LOCATIONS OF POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS THAT MIGHT BE ENCOUNTERED WHEN WORKING ON THE EXISTING DRAINAGE SYSTEM.

11. THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). (NAVD88 - 1.508 FT = BOROUGH OF BRONX HIGHWAY DATUM, US CUSTOMARY UNITS)

12. ALL DRAINAGE STRUCTURES SHOWN ON THE PLANS ARE PART OF THE NYSDOT DRAINAGE SYSTEM, UNLESS OTHERWISE NOTED

NYCDEP DRAINAGE NOTES

1. ALL PROPOSED DRAINAGE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST STANDARDS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (NYCDEP).

2. ALL EXISTING SEWER MANHOLES TO BE RETAINED WITHIN THE CONTRACT LIMITS SHOULD BE ADJUSTED AS NECESSARY, SO THAT THEY WILL BE FLUSH WITH THE FINISHED GRADES AFTER COMPLETION OF THE WORK. ANY OF THESE MANHOLES WHICH HAVE DAMAGED, WORN OR NON-STANDARD FRAMES AND COVERS SHOULD BE PROVIDED WITH NEW 27" CASTINGS IN ACCORDANCE WITH THE LATEST STANDARDS OF NYCDEP INCLUDING ANY NECESSARY MODIFICATIONS OF THE MANHOLE MASONRY. ANY DAMAGE TO THE MANHOLES CAUSED BY THIS WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AND AT NO COST TO THE NYSDOT OR NYC.

3. CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING SEWERS DURING CONSTRUCTION. ANY DAMAGE CAUSED BY THE DESIGN BUILD CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE DESIGN BUILD CONTRACTOR AS DIRECTED BY THE ENGINEER, AT NO EXTRA COST TO NYSDOT OR NYC.

4. WHERE THE HEIGHT OF AN EXISTING MANHOLE PERMITS MORE THAN ONE BASIN CONNECTION TO BE MADE ON THE SAME WALL, SPECIAL PRECAUTION SHALL BE TAKEN TO PROTECT THE STRUCTURAL INTEGRITY OF THE MANHOLE. THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE WALLS OF ANY TWO BASIN CONNECTIONS OR BETWEEN A BASIN CONNECTION AND A SEWER, VERTICALLY OR HORIZONTALLY, SHALL BE 12 INCHES.

5. THE COST OF RAISING OR LOWERING CITY-OWNED MANHOLES, BASINS AND INLET HEADS TO PROPOSED GRADES WILL BE DEEMED INCLUDED IN THE PRICES BID FOR ALL THE SCHEDULED ITEMS WHEN THE VERTICAL UPWARD MOVEMENT OF ALL HEADS IS TWENTY-FOUR (24) INCHES OR LESS, WHEN THE VERTICAL DOWNWARD MOVEMENT OF MANHOLE HEADS IS SIX (6) INCHES OR LESS AND WHEN THE VERTICAL DOWNWARD MOVEMENT OF BASIN OR INLET HEADS IS THREE (3) INCHES OR LESS, UNLESS OTHERWISE PROVIDED OR DIRECTED, AND WHERE THE ADJUSTMENT IS WITHIN THE BRICK WORK LIMIT. WHEN THE EXISTING STRUCTURE CONSISTS OF A BRICK CHIMNEY OR A CONCRETE ROOF SLAB OR BRICK ON CONCRETE WALLS, THE MAXIMUM ALLOWABLE HEIGHT OF BRICK AFTER ADJUSTMENT SHALL BE TWENTY-FOUR (24) INCHES. ALL OTHER ADJUSTMENTS WILL BE PAID FOR UNDER THE APPROPRIATE MANHOLE, BASIN OR INLET MODIFICATION ITEMS.

6. ALL EXISTING MANHOLES, INLETS, BASINS AND CONNECTIONS WITHIN THE LIMITS OF THIS CONTRACT AND CONTIGUOUS THERETO ARE TO BE CLEANED, FLUSHED AND OTHERWISE MADE OPERABLE TO THE SATISFACTION OF THE ENGINEER. WHERE THE EXISTING BASIN CONNECTIONS ARE FOUND TO BE DAMAGED OR IN DETERIORATING CONDITION, THEY SHALL BE REPLACED WITH NEW 12" DIAMETER DUCTILE IRON PIPE, CLASS 56, IN ACCORDANCE WITH THE LATEST NYCDEP STANDARDS. DAMAGED AND NON-STANDARD CASTINGS WITHIN THE LIMITS OF THIS CONTRACT SHOULD BE REPLACED WITH NEW STANDARD CASTINGS. EXISTING NON-STANDARD BASINS AT LOCATIONS WHERE BASINS ARE REQUIRED SHALL BE REPLACED WITH NEW STANDARD BASINS. ANY DAMAGED OR MISSING HOOD OF EXISTING BASINS WITHIN THE LIMITS OF THIS CONTRACT SHALL BE REPLACED WITH NEW STANDARD CAST IRON HOOD AND HOOKS. EXISTING DAMAGED AND NON-STANDARD MANHOLES FRAME AND COVER WITHIN THE LIMITS OF THIS CONTRACT SHALL BE REPLACED WITH NEW STANDARD 27" DIAMETER MANHOLE FRAME AND COVER. THE COST IS TO BE INCLUDED IN THE RESPECTIVE ITEMS.

7. ALL ABANDONED BASINS, INLETS AND DRAINAGE STRUCTURES AS SHOWN ON THE CONTRACT PLANS ARE TO BE BULKHEADED AND CUT DOWN TO TWO (2) FEET BELOW THE SUBGRADE AND FILLED WITH COMPACTED CLEAN SAND. BASIN CONNECTIONS NOT REQUIRED SHALL BE PLUGGED AT BOTH ENDS. COST FOR THIS WORK SHALL BE DEEMED INCLUDED IN PRICES BID FOR ALL SCHEDULED ITEMS. ALL ABANDONED BASINS AND BASIN CONNECTIONS MUST BE DONE AS PER NYCDEP STANDARD AND SPECIFICATIONS.

8. CATCH BASINS SHALL NOT, UNDER ANY CIRCUMSTANCES, BE CONNECTED TO A SANITARY SEWER.

9. ALL NEW CATCH BASIN CONNECTIONS SHALL BE CONNECTED TO EXISTING SEWERS AT MANHOLES, WITH 12" DUCTILE IRON PIPE, CLASS 56, WITH INTERNALLY LOCKED "PUSH-ON" JOINTS LAID ON 6" OF BROKEN STONE FOR THE ENTIRE WIDTH OF THE TRENCH AND FOR ONE-HALF THE PIPE DIAMETER. THE BROKEN STONE SHALL BE HARD UNWEATHERED STONE UNIFORMLY GRADED FROM 1/4" TO 3/4"IN DIAMETER. IT SHALL CONFORM TO COMMERCIAL 1/4" TO 3/4" STONE. ALL NEW CATCH BASINS SHALL HAVE A HOOD ON THE OUTLETTING PIPE.

10. CATCH BASINS SHALL NOT BE LOCATED WITHIN PEDESTRIAN CROSSWALK LIMITS. CATCH BASINS NEAR BUS STOP PADS SHALL BE LOCATED EITHER ENTIRELY WITHIN OR OUTSIDE OF BUS STOP PADS.

11. SLOPE ON ALL NEW CATCH BASIN CONNECTIONS SHALL BE A MINIMUM OF 0.5% AND A MAXIMUM OF 4% PROVIDED THE TOTAL DROP BETWEEN THE BASIN AND THE BASIN/MANHOLE IS AT LEAST 6 INCHES.

12. CATCH BASINS IN THE PROJECT AREA SHALL BE MAINTAINED OPERABLE AT ALL TIMES. THE DESIGN BUILD CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID FILLING THE CATCH BASINS WITH DEBRIS WITHIN THE CONTRACT LIMITS DURING THE CONTRACT OPERATIONS. IF, AS A RESULT OF CONSTRUCTION, A FLOODING CONDITION OCCURS OR IN THE EVENT THE CONTRACTOR'S OPERATIONS DAMAGE OR BLOCK THE DRAINAGE SYSTEM, THE DESIGN BUILD CONTRACTOR SHALL AT HIS/HER OWN EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE ENGINEER AT NO EXTRA COST TO THE CITY OR STATE.

13. IN ACCORDANCE WITH PARAGRAPH #1.06.40 OF THE GENERAL PROVISIONS OF THE STANDARDS SPECIFICATIONS, ALL CASTING AND HARDWARE FROM THE EXISTING MANHOLES AND BASINS WHENEVER FOUND TO BE IN GOOD CONDITION, UPON EXAMINATION BY THE ENGINEER, SHALL REMAIN THE PROPERTY OF THE CITY AND SHALL BE DELIVERED BY THE CONTRACTOR TO A DESIGNATED CITY-OWNED YARD.

14. THE DESIGN BUILD CONTRACTOR SHALL PROVIDE TEMPORARY MEANS (PIPES, PUMPS, ETC.) TO DRAIN ANY STORM WATER WHICH MAY DEVELOP WITHIN THE PROJECT LIMITS FOR THE DURATION OF CONSTRUCTION. THE DESIGN BUILD CONTRACTOR SHALL SUBMIT A DRAINAGE SCHEME WHICH MUST BE APPROVED BY THE ENGINEER, PRIOR TO THE START OF EACH CONSTRUCTION STAGE. COST OF THIS WORK WILL BE DEEMED TO HAVE BEEN INCLUDED IN THE PRICE BID FOR ALL SCHEDULED ITEMS.

15. ALL EXISTING SEWERS AND SEWER HOUSE CONNECTIONS SHOULD BE CONTINUOUSLY MAINTAINED DURING CONSTRUCTION. IF ANY SEWER OR SEWER HOUSE CONNECTION IS TO BE DISCONNECTED FOR CONSTRUCTION PURPOSES, FLOW SHALL BE MAINTAINED BY FLUMING OR OTHER SUITABLE MEANS AS DIRECTED BY THE ENGINEER AND IN SUCH A MANNER THAT NO BACK-UPS OCCUR. EXISTING SEWERS, HOUSE CONNECTIONS OR OTHER SEWER APPURTENANCES WHICH ARE TO REMAIN, AND WHICH MIGHT BE DISTURBED FOR CONSTRUCTION PURPOSES, SHALL BE RESTORED TO THEIR PRESENT CONDITION AFTER COMPLETION OF THE WORK, AND DAMAGE DONE AS A RESULT OF THE WORK SHALL BE REPAIRED AT NO EXTRA COST TO NYSDOT OR NYC.

16. NYCDEP SEWERS: ALL EXISTING NYCDEP SEWERS WITHIN THE FOOTPRINT OF THE PROPOSED WORK AND WITHIN THE INFLUENCE LINES OF THE WORK SHALL BE CCTV INSPECTED. CCTV INSPECTION SHALL BE PERFORMED IN BOTH THE PRE-CONSTRUCTION AND IN THE POST-CONSTRUCTION PHASES. EXTRA CARE SHALL BE TAKEN DURING CONSTRUCTION TO PROTECT THE INTEGRITY OF NYCDEP'S EXISTING SEWER SYSTEM INCLUSIVE OF MANHOLES, CATCH BASINS, SEWERS AND SYSTEM CONNECTIONS. EXISTING NYCDEP MANHOLE FRAMES/COVERS SHALL BE RESET TO THE FINISHED GRADE AND CATCH BASINS SHALL BE POSITIONED PER NYC AGENCY REQUIREMENTS. CONTRACT MR. TERRANCE BROCK (TBROCK@DEP.NYC.GOV) OF NYCDEP'S COLLECTION SYSTEMS INVESTIGATION (CSI) UNIT FOR COORDINATION OF CCTV SEWER INVESTIGATION. DAMAGE TO THE EXISTING SEWER SYSTEM WITHIN THE DURATION OF THE CONTRACT SHALL BE REPAIRED/REPLACED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO NYSDOT OR NYCDOT.

17. NYCDEP DOES NOT ALLOW HIGH-CURB MEDIAN AND NEW TREES DIRECTLY OVER EXISTING INFRASTRUCTURE AS IT WILL HINDER MAINTENANCE OPERATIONS. NEW TREES MUST BE PLANTED AT LEAST 4 FT OUTSIDE THE SHEETING AREA FOR SEWERS.

18. INSTALL NYCDEP STANDARD TYPE 1 CATCH BASIN WHERE PROPOSED DEP CATCH BASINS ARE REQUIRED AT LOW POINT, UNLESS SPECIFIED BY DEP.

19. MAINTAIN AT LEAST 6 FEET EDGE-TO-EDGE HORIZONTAL CLEARANCE BETWEEN DEP SEWER AND GAS MAIN.

20. NYCDEP RECOMMENDS 6 FEET MINIMUM EDGE-TO-EDGE HORIZONTAL CLEARANCES BETWEEN PROPOSED FOUNDATIONS AND SEWER/WATER UTILITIES.

21. FOR LOCATIONS REQUIRING FULL DEPTH RECONSTRUCTION IN THE AREA OF A PROPOSED DRAINAGE STRUCTURE, REFER TO NYSDOT STANDARD SHEETS 502-07 AND 502-08 FOR JOINT CONSTRUCTION DETAILS.

22. IN THE EVENT THAT A PROPOSED WALL AND/OR RAMP STRUCTURE CROSSES ABOVE NYCDEP'S EXISTING SEWER/WATER MAIN FACILITIES, THE FOUNDATION OF THE WALL SHALL BE DESIGNED AS A BRIDGING STRUCTURE OVER NYCDEP INFRASTRUCTURE WITH A MINIMUM OF 18 INCHES VERTICAL CLEARANCE MAINTAINED BETWEEN THE BOTTOM OF THE WALL FOUNDATION AND TOP OF NYCDEP'S SEWER/WATER MAIN. THE PILES FOR THE BRIDGING SECTION OF THE WALL OR RAMP FOUNDATION SHALL BE LOCATED AT LEAST 6'-0" AWAY (EDGE TO EDGE) FROM NYCDEP'S SEWER/WATER MAIN AND SHOULD BE INSTALLED BY DRILLING (NO HAMMERING IS ALLOWED). THE SELECTION OF THE PROPOSED RAMP/WALL'S BOTTOM ELEVATION AND DESIGN OF THE PILES ADJACENT TO NYCDEP SEWER/WATER MAIN INFRASTRUCTURE SHOULD BE DONE PROPERLY SO NYCDEP WILL BE ABLE TO DO ANY EXCAVATION CLOSE TO THE PILES WITHOUT REQUIRING UNDERPINNING OF THE BARRIER WALL FOR FUTURE SEWER/WATER MAIN RECONSTRUCTION.

23. CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING WATER MAINS RECENTLY CONSTRUCTED IN ADJACENT CONTRACTS. ANY DAMAGE CAUSED BY THE DESIGN-BUILD CONTRACTOR'S OPERATION SHALL BE PREPARED BY THE DESIGN-BUILD CONTRACTOR AS DIRECTED BY THE ENTINEER, AT NO ADDITIONAL COST TO NYSDOT OR NYC.

24. IF THE EXISTING NYCDEP MANHOLE MATERIAL IS BRICK THEN CONTRACTOR MUST GUNITE THE BRICK MANHOLE BEFORE CONNECTING NEW CATCH BASIN CONNECTION.

25. THE COVER OF DRAINAGE MANHOLES WHICH ARE OWNED BY NYSDOT SHALL NOT HAVE THE "NYC SEWER" INSCRIPTION.

26. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE BY TEST PITS, TELEVISION INSPECTION, OR ANY OTHER MEANS NECESSARY, FOR EACH AND EVERY HOUSE WITHIN THE LIMITS OF THE PROPOSED CONSTRUCTION, THE LOCATION AND ELEVATION OF THE HOUSE TRAPS, HOUSE CONNECTION, ETC, AND THE LOCATION OF THE EXISTING SEWER TO WHICH THEY ARE CONNECTED. BASED ON THE FINDINGS, THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY ANTICIPATED DIFFICULTIES HE/SHE MIGHT ENCOUNTER IN RECONNECTING THESE EXISTING HOUSE CONNECTIONS TO THE PROPOSED AND EXISTING SEWERS.

ADDITIONAL NOTES (WHERE APPLICABLE)

1. ALL EXISTING SEWERS WHICH ARE WITHIN THE INFLUENCE LIMITS AND/OR ARE IN CLOSE PROXIMITY OF THE PROPOSED SEWERS/DRAINS MUST BE INSPECTED (TELEVISED IF THE EXISTING SEWERS ARE 36" DIAMETER OR SMALLER AND A WALK THROUGH PHOTO INSPECTION FOR ALL LARGER SEWERS) BEFORE AND AFTER THE PROPOSED SEWER/DRAIN INSTALLATION WORK TO DETERMINE DAMAGE, IF ANY, TO THE EXISTING SEWERS. ANY DAMAGE TO THE EXISTING SEWERS MUST BE REPAIRED/REPLACED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CITY OR STATE.

2. PRIVATE UTILITIES (ELECTRICAL LINE, GAS MAIN, TELEPHONE LINE, AND CABLE) IMPACTED BY PRIVATE SEWER AND WATER MAIN CONSTRUCTION SHALL BE RELOCATED UNDER THE DIRECTION OF PRIVATE UTILITIES COMPANIES.

NOTES: THE LATEST REVISIONS OF THE APPLICABLE REFERENCED STANDARDS THAT HAVE BEEN AUTHORIZED UP TO THE START OF ADVERTISING SHALL BE CONSIDERED AS PART OF THESE CONTRACT DOCUMENTS.

LIST OF APPLICABLE NYC D.E.P. STANDARD SEWER SPECIFICATIONS:

1. NYCDEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS;
2. NYCDEP SEWER DESIGN STANDARDS.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY NOTES
DRAINAGE NOTES

CONTRACT NUMBER D900055
DRAWING NO. UTN-03
SHEET NO.

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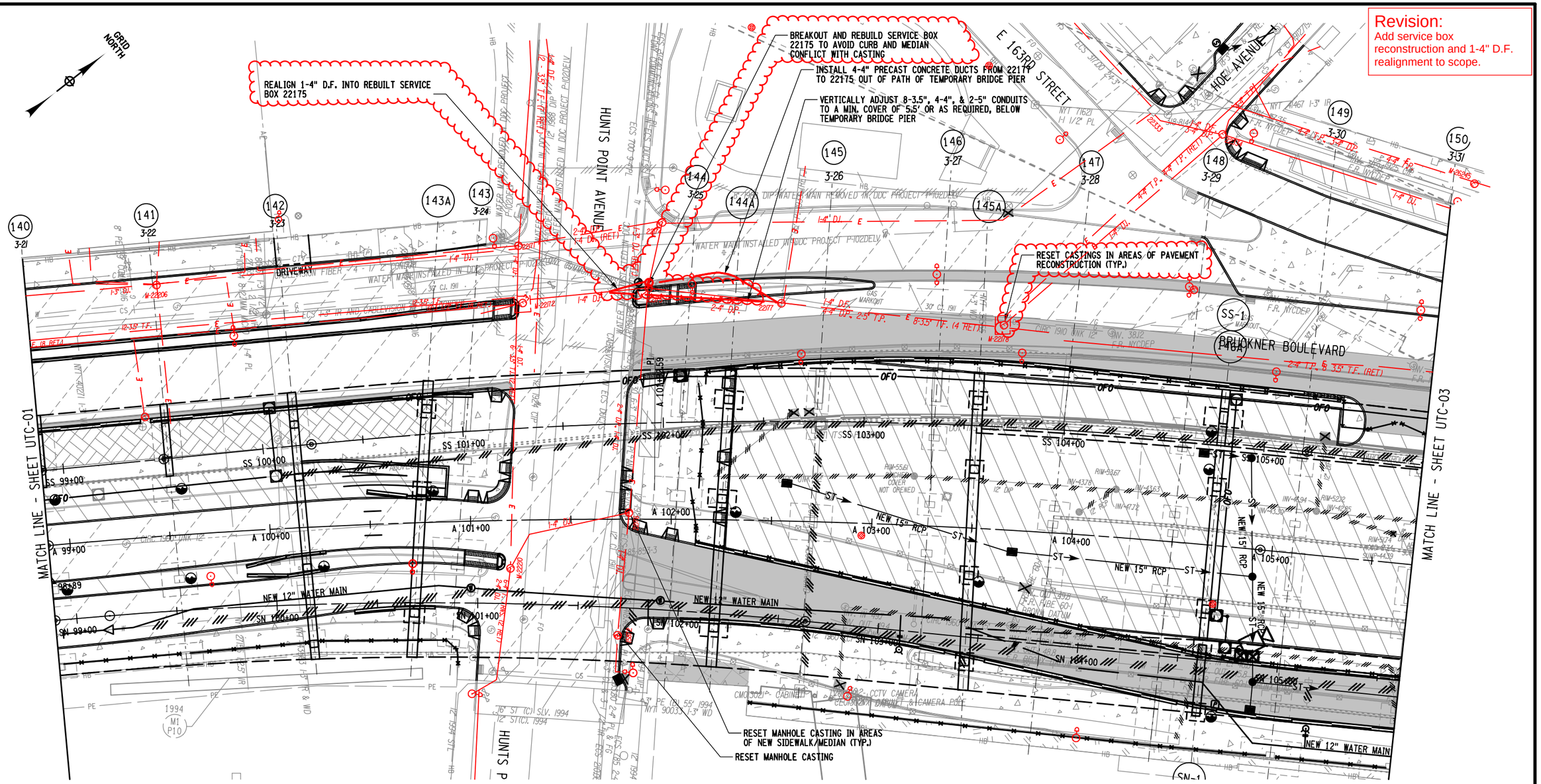
FILE NAME = pw://...//...//...X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Civil/UTIL/X73165.cph_UTN-03.dgn [
DATE/TIME = Tuesday, July 19, 2022 06:18:06 PM
USER = bschneider

Revision:
Add service box reconstruction and 1-4" D.F. realignment to scope.



NOTE:
EXISTING CON EDISON FACILITIES WITHIN THE VICINITY OF THE PROJECT WILL BE SUPPORTED AND PROTECTED. SEE HC-140 FOR DETAILS.

THE EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS WAS DERIVED FROM EXISTING NYSDOT AS-BUILTS AND/OR UTILITY COMPANY PLATES OR RECORDS. THIS INFORMATION IS DESIGNATED AS QUALITY LEVEL D (QLD), UNLESS OTHERWISE INDICATED ON THE PLANS.

25 0 25 50 75 100'
1"=50'

UTILITY LEGEND:
- E — ELECTRIC
- FO — FIBER OPTIC
- F — FIRE DEPT. COMMUNICATIONS
- G — GAS
- TT — TELEPHONE
- SA — SANITARY OR COMBINED SEWER
- ST — STORM SEWER
- W — WATER

LEGEND:
- (43) — NEW BENT NUMBER
- 2-1 — OLD BENT NUMBER
- PROPOSED CONCRETE SIDEWALK / MEDIAN
- PROPOSED ASPHALT MEDIAN
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED NEW FENCE
- PROPOSED CONCRETE BARRIER
- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED PAVERS

REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPED AREAS AND BICYCLE PATHS)

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
CON EDISON ELECTRIC

CONTRACT NUMBER D900055
DRAWING NO. UTC-02
SHEET NO.

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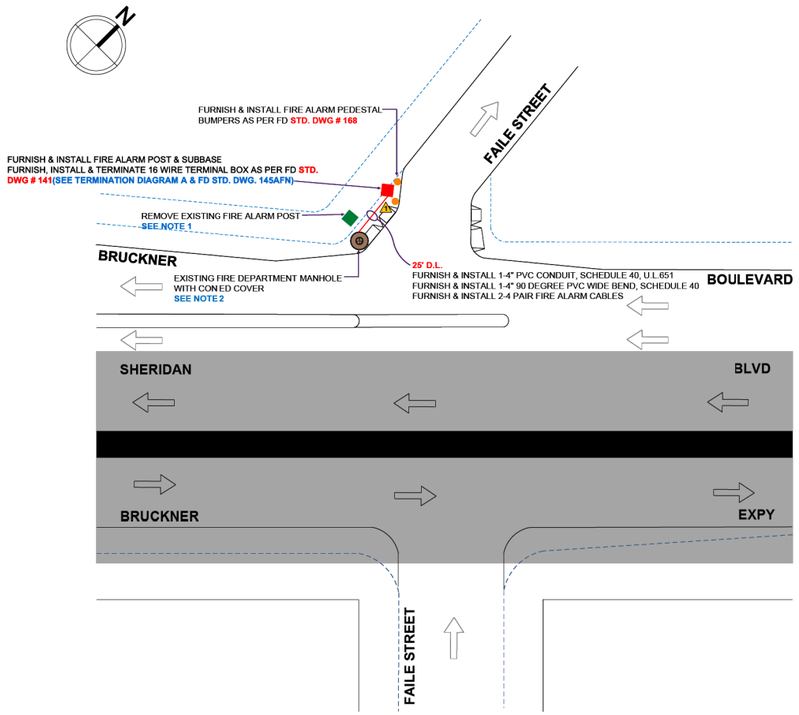
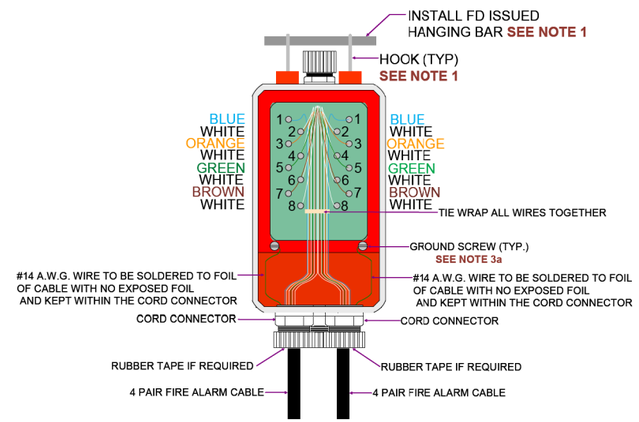
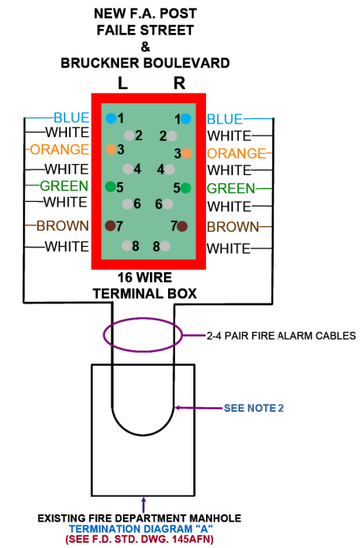
USER = bschneider

REVISIONS	
DATE	INT.
1 06/21/22	M.B.





F.D. STD. DWG. 145AFN
SEE STD. DWG. NOTES BELOW



NOTES:

1. REMOVE OLD FIRE ALARM POST AND RETURN TO FD STOREHOUSE AFTER THE CONTRACTOR HAS INSTALLED THE NEW FIRE ALARM POST AND TERMINATED THE CABLES AND THE FIRE DEPARTMENT COMMUNICATION ELECTRICIANS HAVE SPLICED IN THE CABLES AND ACTIVATED THE NEW POST.
2. LEAVE 20 FEET OF SLACK IN 4 PAIR CABLE IN A LOOP IN EXISTING FIRE DEPARTMENT MANHOLE FOR THE FIRE DEPARTMENT COMMUNICATION ELECTRICIANS TO CUT AND MAKE SPLICE. PULL THE OPEN ENDS OF CABLE UP INTO FIRE ALARM POST AND TERMINATE AS SHOWN.
3. TO REQUEST STREET MARK OUTS OF FIRE COMMUNICATIONS UNDERGROUND FACILITIES, THE CONTRACTOR MUST CONTACT PLANT OPERATIONS ENGINEERING AT (718) 281-3933 OR (718) 281-3853 AT LEAST ONE (1) MONTH PRIOR TO COMMENCEMENT OF WORK. FDNY IS NOT A MEMBER OF THE ONE CALL SYSTEM AND WILL NOT BE NOTIFIED BY THEM.
4. EXISTING FIRE DEPARTMENT CABLES RUN IN FD UNDERGROUND CONDUIT SYSTEM. THESE FACILITIES MUST BE SUPPORTED AND PROPERLY PROTECTED DURING CONSTRUCTION.
5. THE CONTRACTOR MUST CONTACT FDNY FOR ANY POINT OF ENTRIES (P.O.E.'s) INTO THEIR MANHOLES AND OBTAIN WALL MARKOUTS BY THEM.
6. PRINTING THIS DRAWING IS RECOMMENDED IN COLOR AT 22"x17".

NOTES FOR F.D. STD. DWG. 145AFN:

1. Cut cable(s) to be terminated at a length 6 inches above hanging bar's landing point.
   a. Unsheathe cable(s) ½ inch below cord connector opening depth within the terminal box.
2. Ensure cord connectors are fully screwed into the terminal box.
   a. Hand tighten the cord connector twist knob (with rubber gasket) when installing cable(s) into terminal box.
3. Solder 14 AWG Stranded Ground Wire to cable's exposed aluminum terneplate; then cover the exposed aluminum terneplate with electrical grade tape
   a. Add appropriately sized fork terminal to the other end of ground wire(s) and attach to terminal ground screw(s).
4. Allow sufficient slack for each wire conductor to reach any terminal lug within the terminal box.
   a. Strip 1- inch insulation from the end of each conductor to be terminated and wrap clockwise around binding post lug between the two supplied washers.
   b. Wrap each conductor's end around lug until all bare wire falls between the washers; cut away any excess.
   c. Hand tighten all lug nuts to properly secure each conductor between the two washers.
5. After terminations are complete, neatly tie-wrap all conductors as shown.
6. Install fully terminated box with contractor termination side facing on-coming traffic.

CITY OF NEW YORK	
FIRE DEPARTMENT BUREAU OF PLANT OPERATIONS	
D900055 X731.65 HUNTS POINT ACCESS IMPROVEMENT CONTRACT 3	
BOROUGH: BRONX	DWG. BY: M.B. 02/1/2022
B.M. 31	SHEET 1
T.B. 5655	

NOT TO SCALE

AFFIX SEAL: ON:	ALTERED BY: ON:

Revision:
Revised Plan and Detail.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED INDICATIVE PLANS UTILITY DETAILS FDNY COMMUNICATIONS FDNY TB SHEET 5655	CONTRACT NUMBER D900055 DRAWING NO. UTD-03 SHEET NO.

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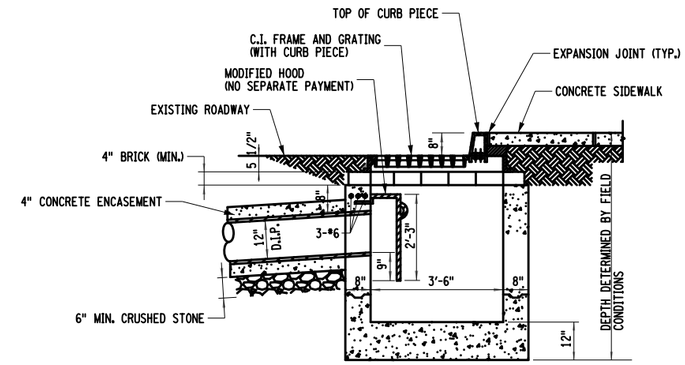
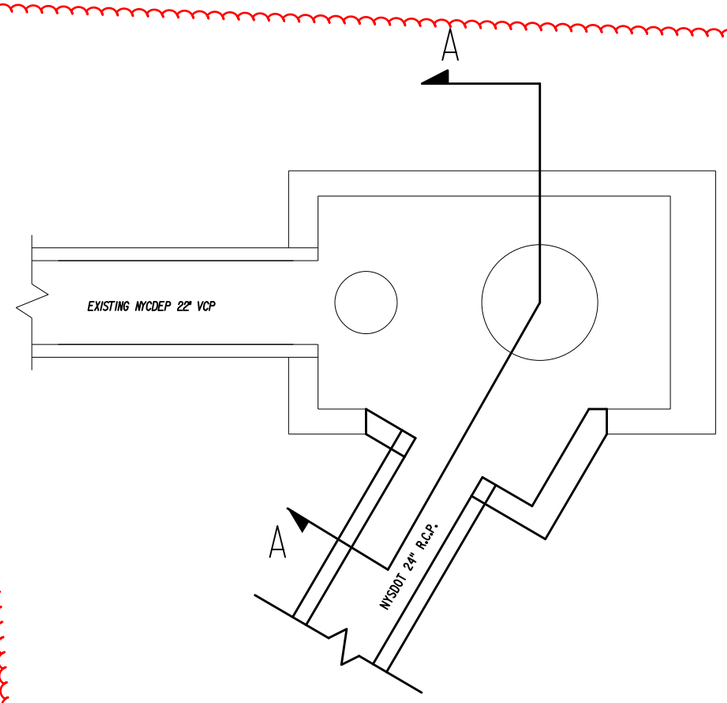
DATE/TIME = Tuesday, July 19, 2022 06:20:08 PM
USER = bschneider

Revision:
Added Detail.



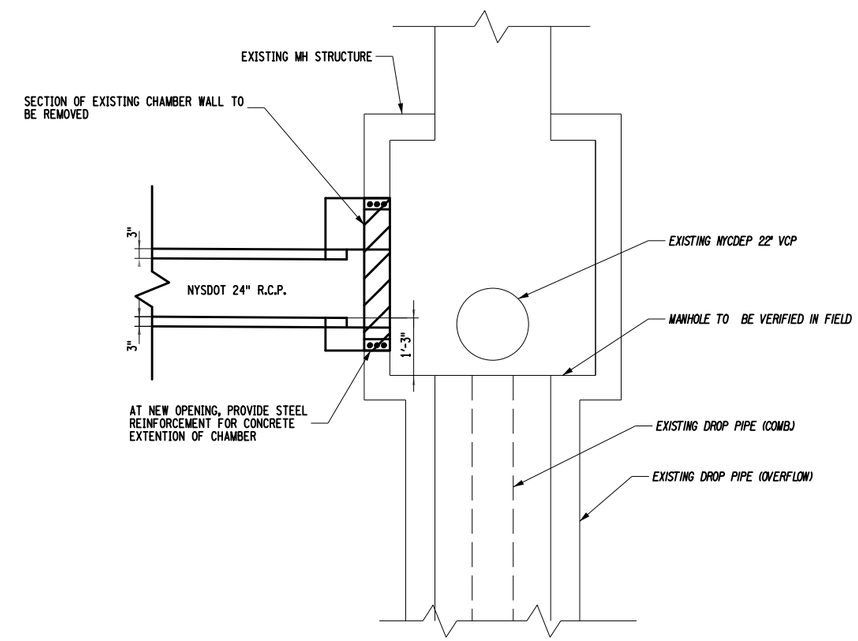
SHALLOW CATCH BASIN WITH SHALLOW CHUTE CONNECTION

N.T.S.



EXISTING CHAMBER - PLAN

N.T.S.



SECTION A-A

PROPOSED CONNECTION 24" RCP NYSDOT SEWER TO EXISTING MANHOLE

N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

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INDICATIVE PLANS
UTILITY DETAILS
DRAINAGE DETAILS

CONTRACT NUMBER
D900055

DRAWING NO. UTD-04
SHEET NO.

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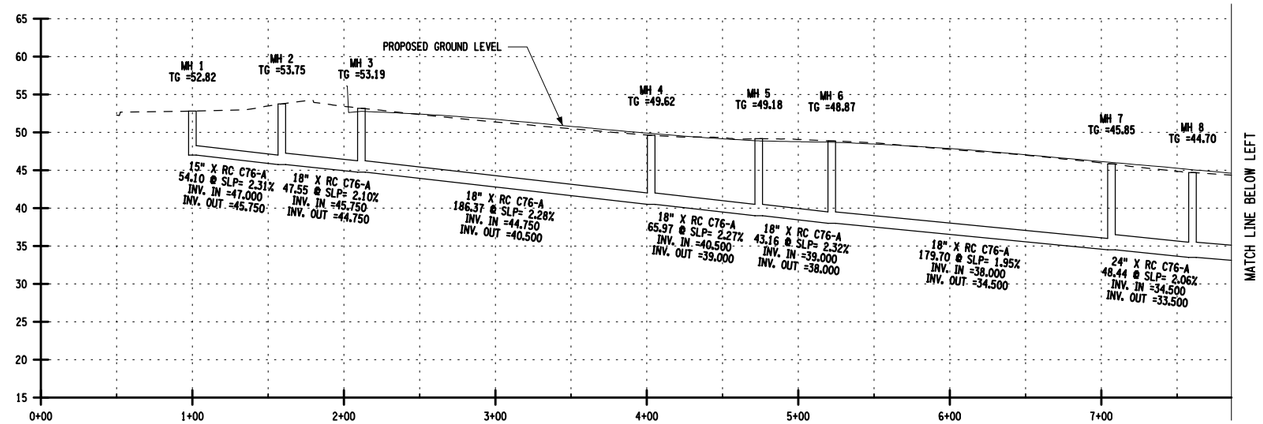
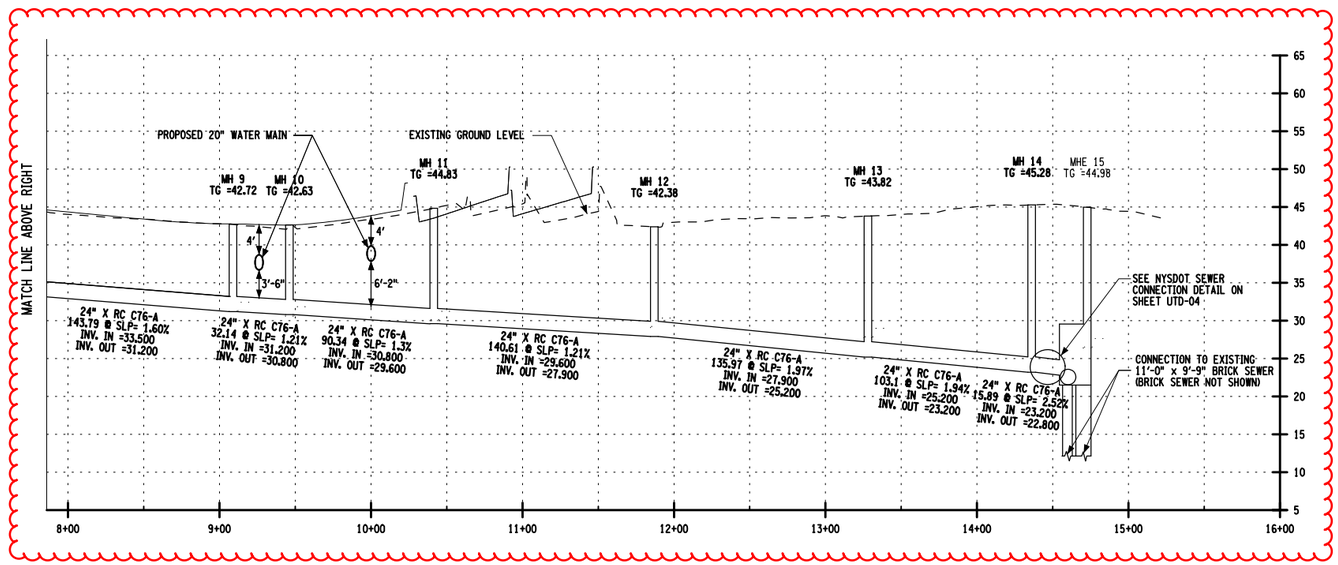
USER = bschneider

Revisions:
Revised profile.

MH-1 TO MHE-15





AFFIX SEAL: ON:	ALTERED BY: ON:

50 0 50 100 150 200'
HORIZ.: 1"=100'

10 0 10 20 30 40'
VERT.: 1"=20'

NOTES:
THE EXISTING AND PROPOSED INVERTS SHOWN USE THE NAVD 88 DATUM.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED INDICATIVE PLANS SEWER PROFILE NYSDOT SEWER	CONTRACT NUMBER D900055 DRAWING NO. UTR-01 SHEET NO.

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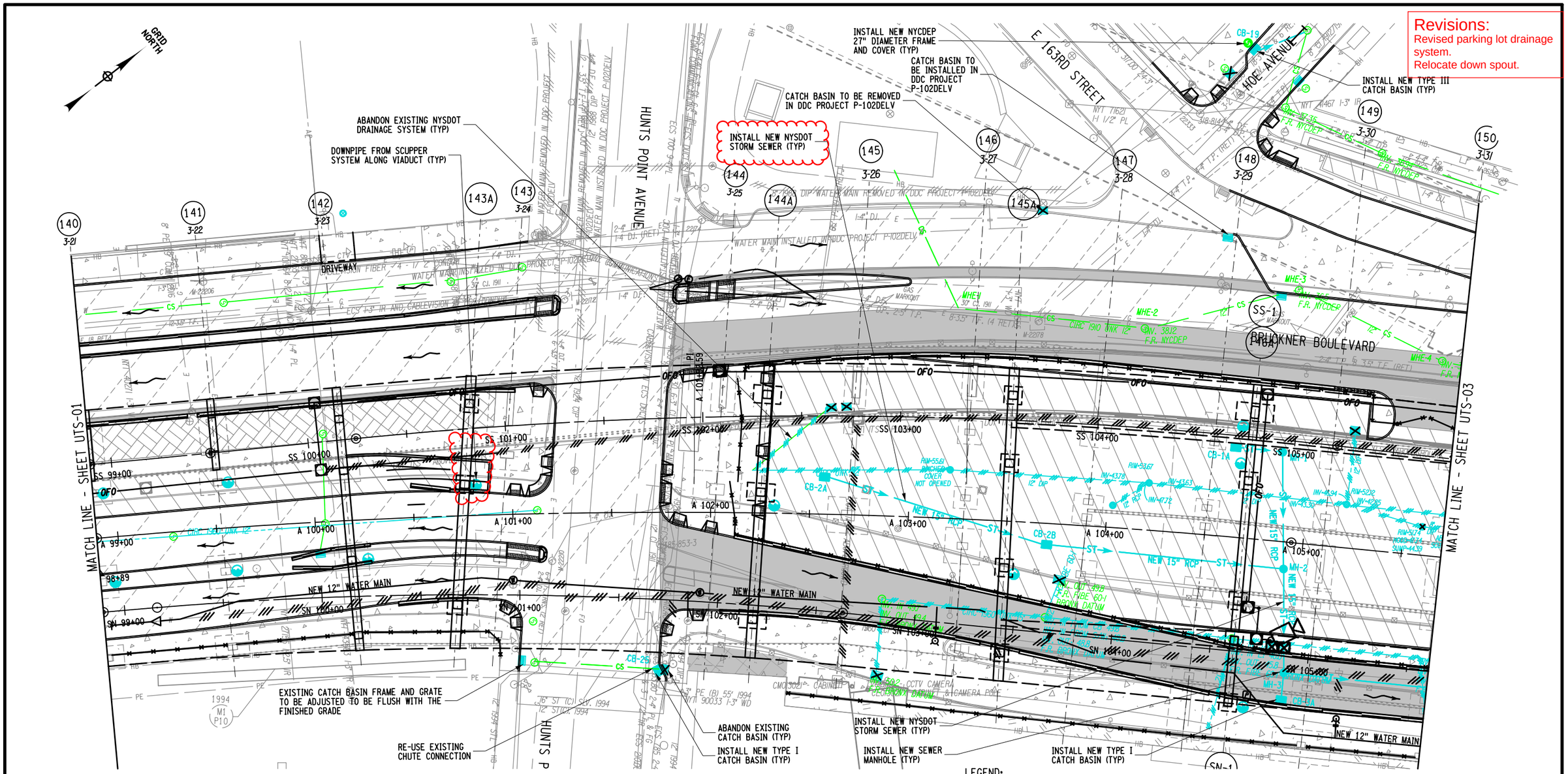
DATE/TIME = Tuesday, July 19, 2022 06:24:59 PM
USER = bschneider

Revisions:
Revised parking lot drainage system.
Relocate down spout.



NOTE:
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25 0 25 50 75 100'
1"=50'

UTILITY LEGEND:
- ELECTRIC
- FIBER OPTIC
- FIRE DEPT. COMMUNICATIONS
- GAS
- TELEPHONE
- SANITARY OR COMBINED SEWER
- STORM SEWER
- WATER

LEGEND:
REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPE AREAS AND BICYCLE PATHS)
43 - NEW BENT NUMBER
2-1 - OLD BENT NUMBER
- PROPOSED CONCRETE SIDEWALK / MEDIAN
- PROPOSED ASPHALT MEDIAN
- SURFACE WATER FLOW ON BRUCKNER BOULEVARD (AT ROADWAY GRADE)
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED NEW FENCE
- PROPOSED CONCRETE BARRIER
- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- PROPOSED PAVERS

AFFIX SEAL: ON:	ALTERED BY: ON:

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NYCDEP SEWER AND NYSDOT DRAINAGE

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SHEET NO.

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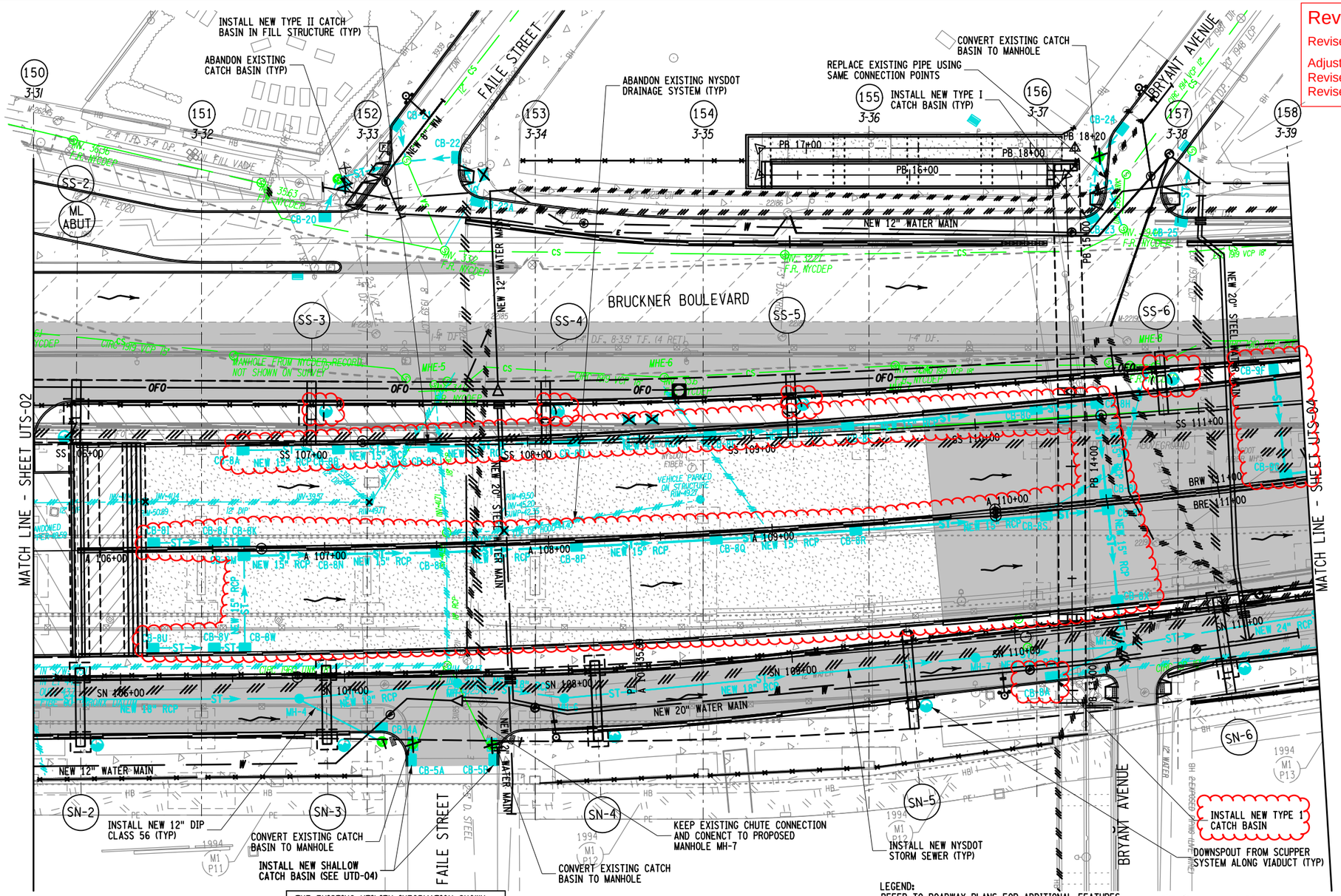
DESIGN SUPERVISOR

FILE NAME = pw:\\\\\\\\X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Civil/UTIL/X73165_CPH_UTS-102.dgn
DATE/TIME = Tuesday, July 19, 2022 06:26:13 PM
USER = bschneider

Revisions:

Revised to replace catch basin 8A.

Adjusted downspout locations.
Revised to show CB-8B, CB-8C, connections.
Revise Expressway Drainage System.



NOTE:
EXISTING NYCDEP FACILITIES WITHIN THE VICINITY OF THE PROJECT WILL BE SUPPORTED AND PROTECTED. SEE HC-140 FOR DETAILS.

THE EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS WAS DERIVED FROM EXISTING NYSDOT AS-BUILTS AND/OR UTILITY COMPANY PLATES OR RECORDS. THIS INFORMATION IS DESIGNATED AS QUALITY LEVEL D (QLD), UNLESS OTHERWISE INDICATED ON THE PLANS.

25 0 25 50 75 100′
1"=50′

UTILITY LEGEND:
- ELECTRIC
- FIBER OPTIC
- FIRE DEPT. COMMUNICATIONS
- GAS
- TELEPHONE
- SANITARY OR COMBINED SEWER
- STORM SEWER
- WATER

LEGEND:
REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPE AREAS AND BICYCLE PATHS)
- SURFACE WATER FLOW AT ROADWAY GRADE
- PROPOSED NEW FENCE
- NEW BENT NUMBER (43)
- OLD BENT NUMBER (2-1)
- PROPOSED CONCRETE BARRIER
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED CONCRETE SIDEWALK / MEDIAN
- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED ASPHALT MEDIAN
- PROPOSED MILLING AND RESURFACING
- PROPOSED FILL AREA

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
NYCDEP SEWER AND NYSDOT DRAINAGE

CONTRACT NUMBER D900055

DRAWING NO. UTS-03
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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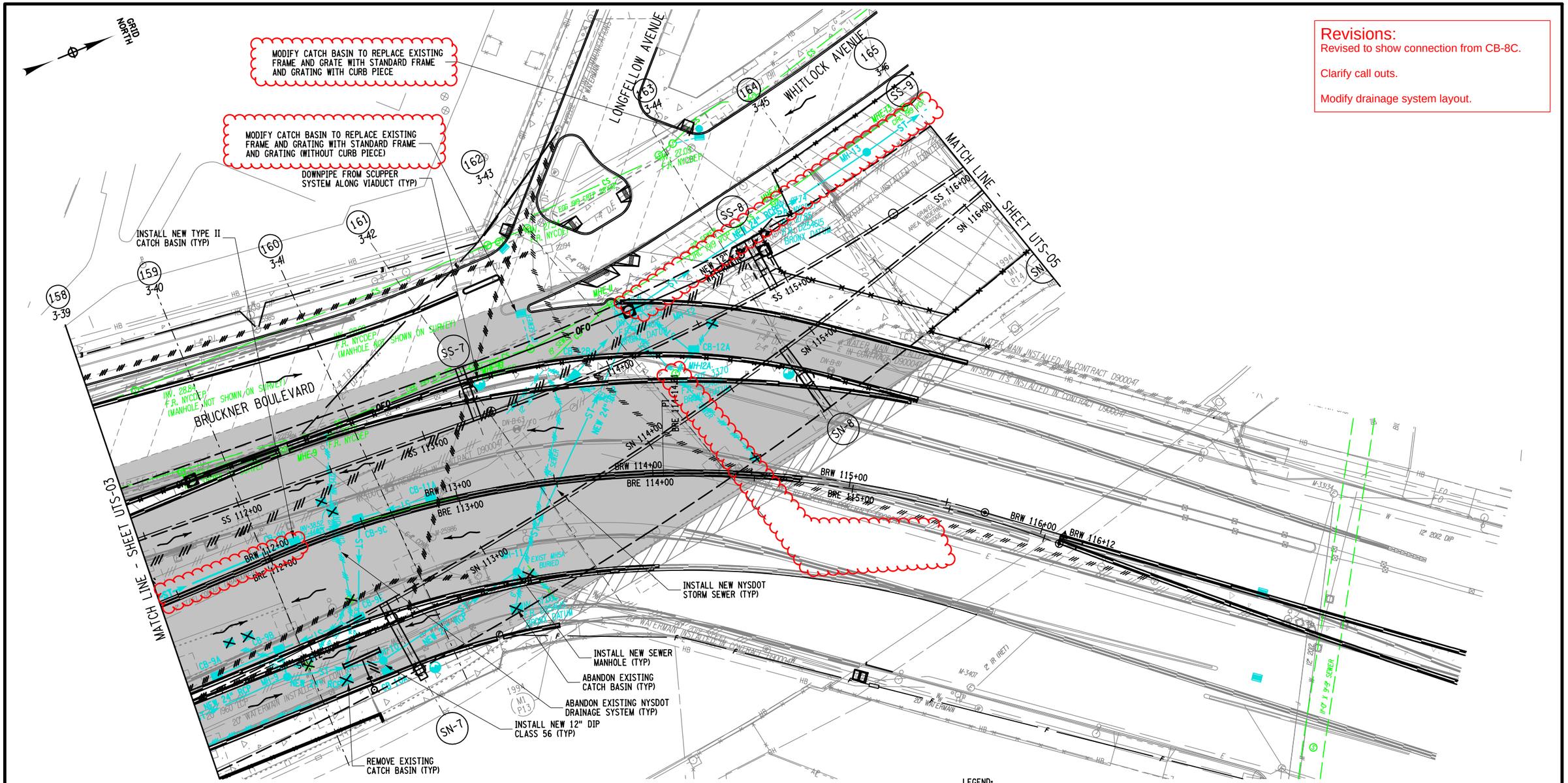
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:\\...\X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Civil/UTIL/X73165_cph_UTS-103.dgn
DATE/TIME = Tuesday, July 19, 2022 06:26:21 PM
USER = bschneider



Revisions:

Revised to show connection from CB-8C.

Clarify call outs.

Modify drainage system layout.

NOTE:
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25 0 25 50 75 100'
1"=50'

UTILITY LEGEND:
- ELECTRIC
- FIBER OPTIC
- FIRE DEPT. COMMUNICATIONS
- GAS
- TELEPHONE
- SANITARY OR COMBINED SEWER
- STORM SEWER
- WATER

LEGEND:
REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPE AREAS AND BICYCLE PATHS)
- 43 - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- PROPOSED CONCRETE SIDEWALK / MEDIAN
- PROPOSED ASPHALT MEDIAN
- PROPOSED NEW FENCE
- PROPOSED CONCRETE BARRIER
- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- SURFACE WATER FLOW AT ROADWAY GRADE
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED APPROACH SLAB

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
NYCDEP SEWER AND NYSDOT DRAINAGE

CONTRACT NUMBER
D900055

DRAWING NO. UTS-04
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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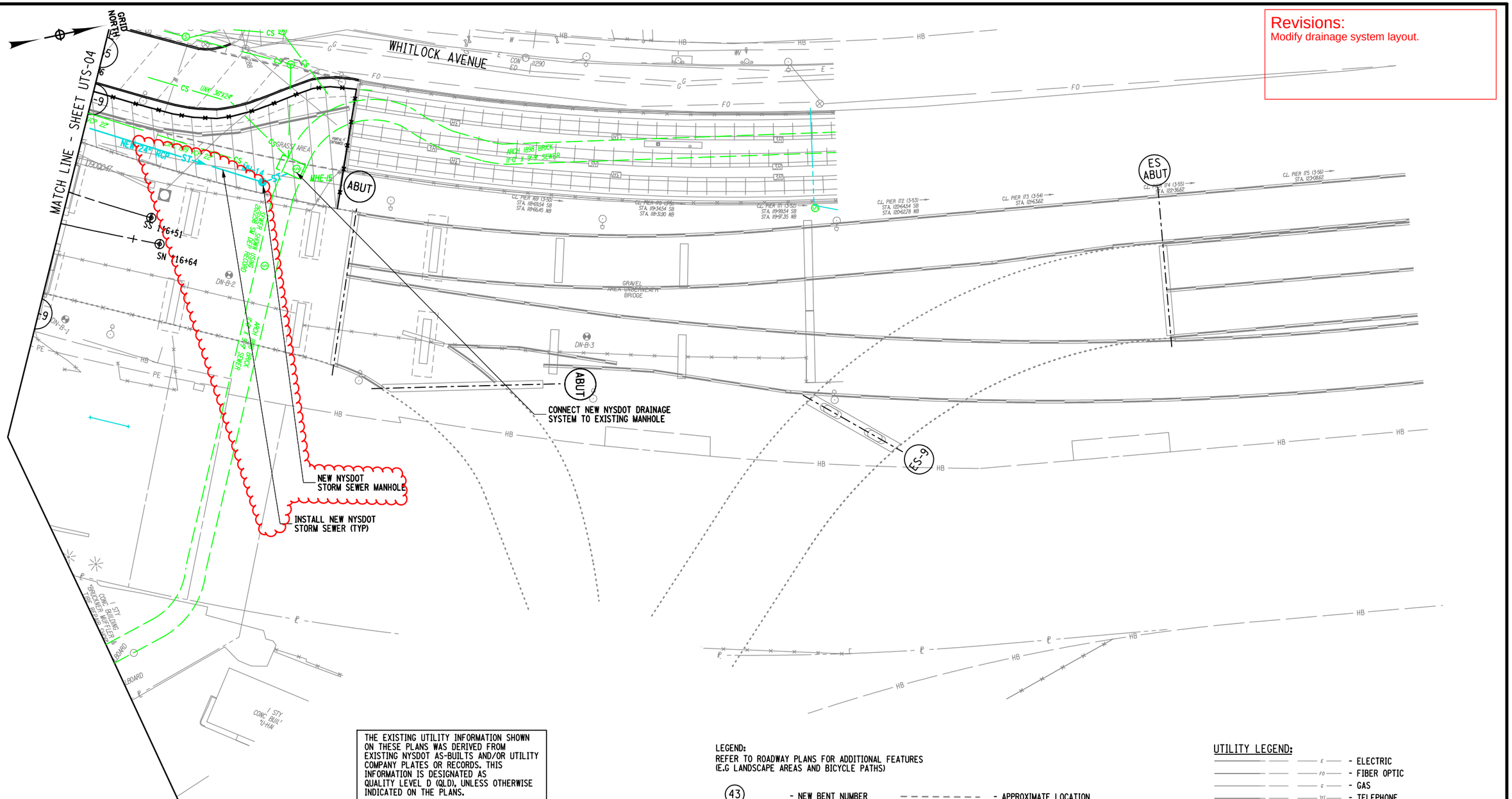
DATE/TIME = Tuesday, July 19, 2022 06:26:29 PM
USER = bschneider

Revisions:
Modify drainage system layout.



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NOTE:
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25 0 25 50 75 100′
1"=50′

LEGEND:
REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G LANDSCAPE AREAS AND BICYCLE PATHS)

- (43) NEW BENT NUMBER
- 2-1 *OLD BENT NUMBER*
- PROPOSED ASPHALT MEDIAN
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED NEW FENCE
- PROPOSED CONCRETE BARRIER

UTILITY LEGEND:
- E - ELECTRIC
- FO - FIBER OPTIC
- G - GAS
- T - TELEPHONE
- SA - SANITARY OR COMBINED SEWER
- ST - STORM SEWER
- W - WATER

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
NYCDEP SEWER AND NYSDOT DRAINAGE

CONTRACT NUMBER D900055
DRAWING NO. UTS-05
SHEET NO.

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DATE/TIME = Tuesday, July 19, 2022 06:26:38 PM
USER = bschneider

Revisions:
Revision to scope.

PROTECT AND MAINTAIN ECS AND CABLEVISION OVERHEAD CABLE AND UTILITY POLES

MAINTAIN ECS VAULT DURING SIDEWALK RECONSTRUCTION (TYP.)

ECS SERVICE BOX - ADJUST CASTING AS NEEDED (TYP.)

PROTECT AND MAINTAIN ECS UTILITIES DURING WORK ON TEMPORARY BRIDGE (TYP.)

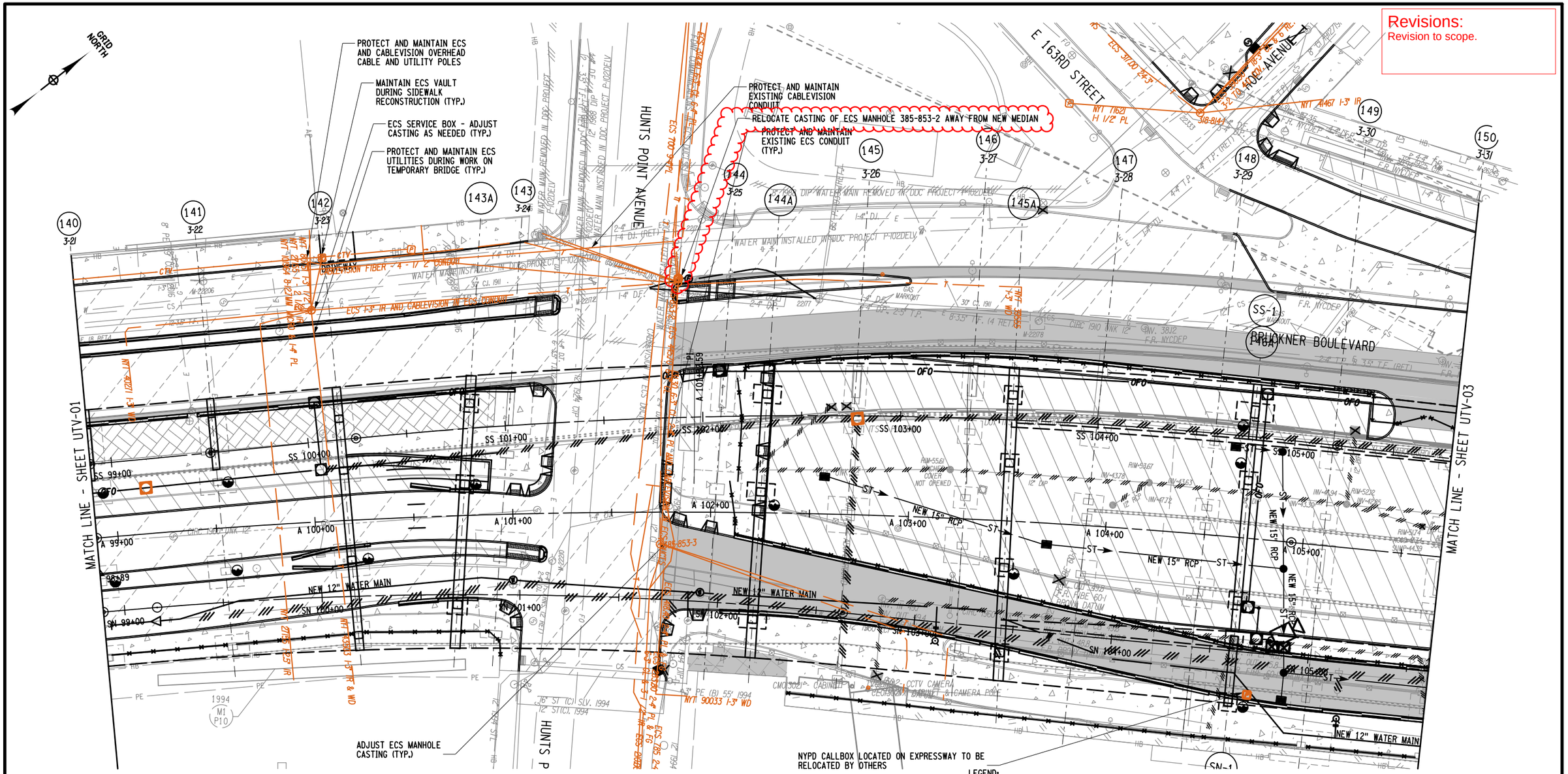
PROTECT AND MAINTAIN EXISTING CABLEVISION CONDUIT

RELOCATE CASTING OF ECS MANHOLE 385-853-2 AWAY FROM NEW MEDIAN

PROTECT AND MAINTAIN EXISTING ECS CONDUIT (TYP.)

ADJUST ECS MANHOLE CASTING (TYP.)

NYPD CALLBOX LOCATED ON EXPRESSWAY TO BE RELOCATED BY OTHERS



NOTE:
EXISTING ECS AND CABLEVISION FACILITIES WITHIN THE VICINITY OF THE PROJECT WILL BE SUPPORTED AND PROTECTED. SEE HC-140 FOR DETAILS.

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- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- PROPOSED FILL AREA
- PROPOSED PAVERS

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
TELECOMMUNICATIONS

CONTRACT NUMBER D900055
DRAWING NO. UTV-02
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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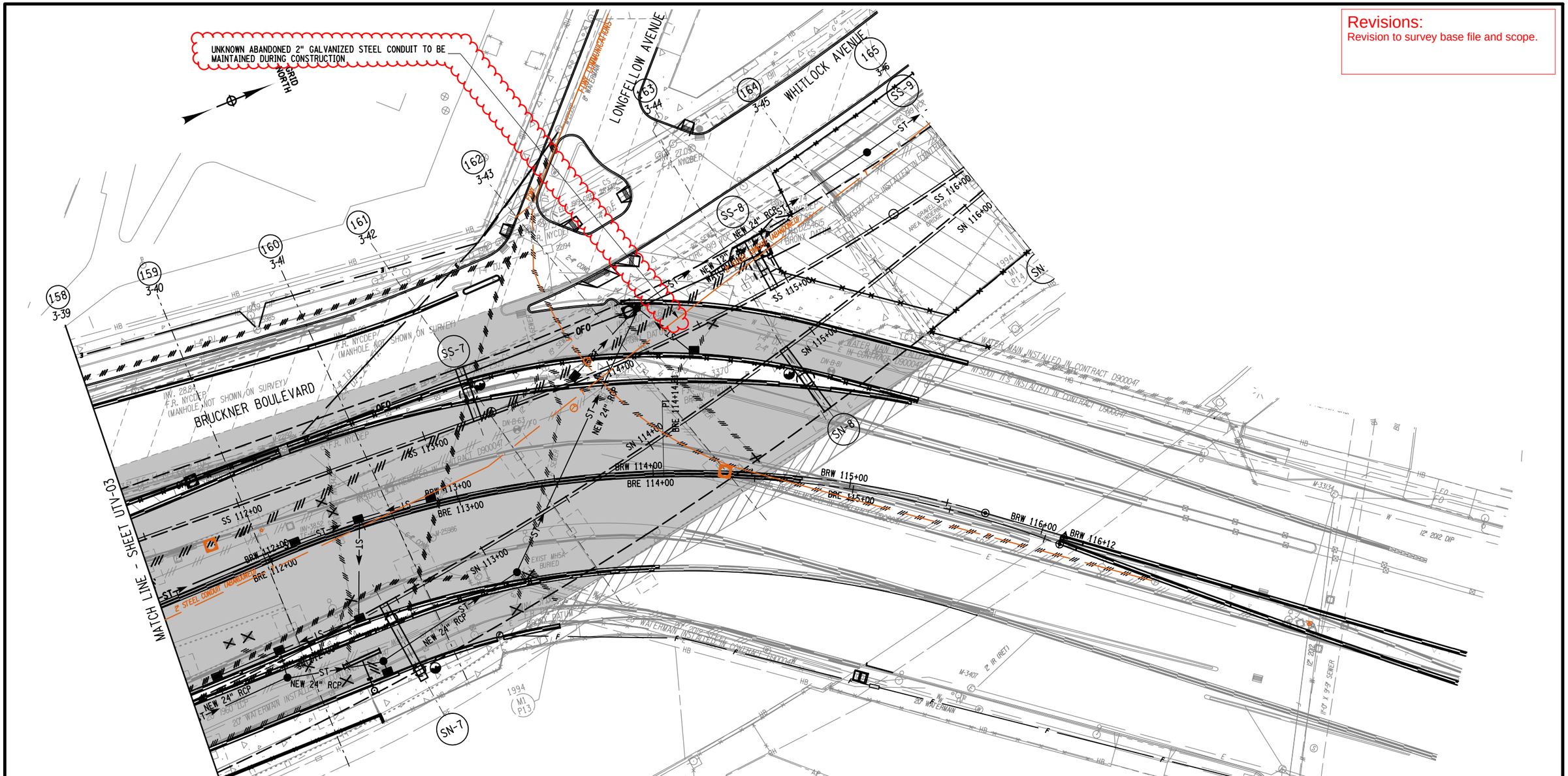
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Civil/UTIL/X73165_CPH_UTV-102.dgn
DATE/TIME = Tuesday, July 19, 2022 06:26:54 PM
USER = bschneider

Revisions:
Revision to survey base file and scope.



THERE IS NO ECS OR CABLEVISION WORK ON THIS SHEET.

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25 0 25 50 75 100'
1"=50'

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- STORM SEWER
- WATER

LEGEND:
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- 43 - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
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- PROPOSED APPROACH SLAB

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
TELECOMMUNICATIONS

CONTRACT NUMBER
D900055

DRAWING NO. UTV-04
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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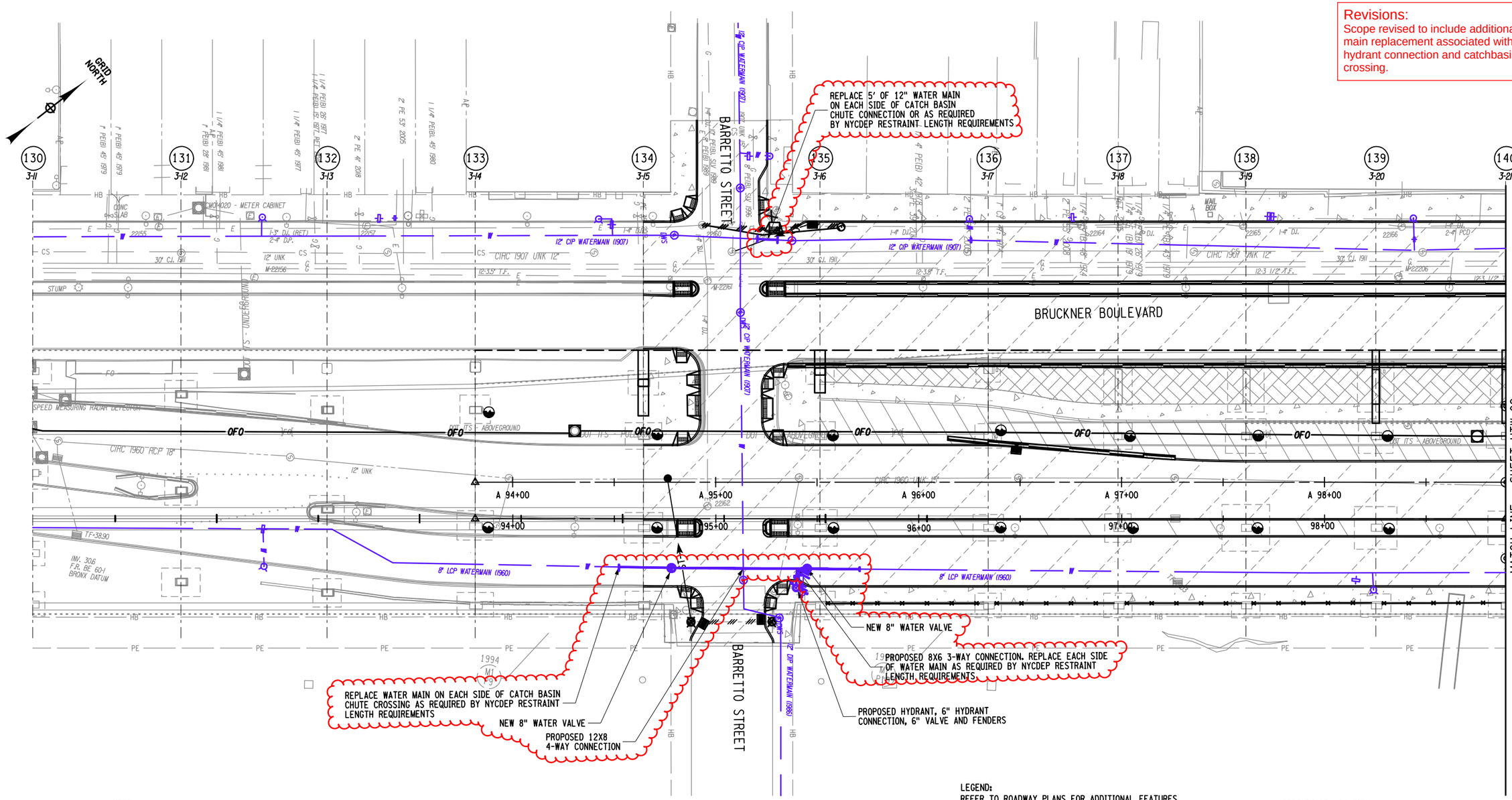
DATE/TIME = Tuesday, July 19, 2022 06:27:12 PM
USER = bschneider

Revisions:
Scope revised to include additional water main replacement associated with hydrant connection and catchbasin chute crossing.



NOTE:
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1"=50'

UTILITY LEGEND:
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LEGEND:
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- PROPOSED PAVERS

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
NYCDEP WATER

CONTRACT NUMBER D900055
DRAWING NO. UTW-01
SHEET NO.

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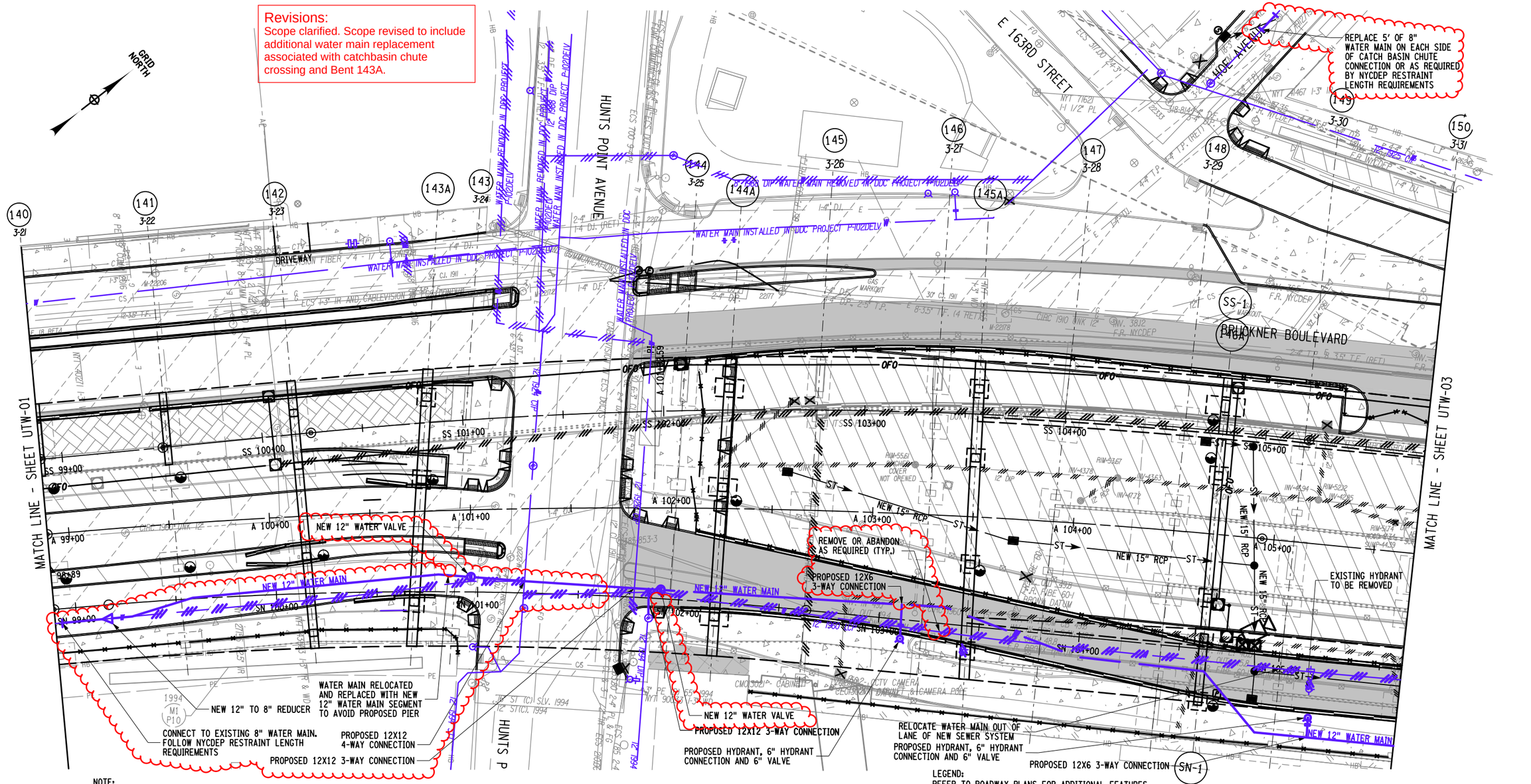
Revisions:
Scope clarified. Scope revised to include additional water main replacement associated with catchbasin chute crossing and Bent 143A.



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25 0 25 50 75 100'
1"=50'

UTILITY LEGEND:
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- WATER

LEGEND:
REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPE AREAS AND BICYCLE PATHS)

- NEW BENT NUMBER (43)
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- PROPOSED ASPHALT MEDIAN
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- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- PROPOSED FILL AREA
- PROPOSED PAVERS

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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INDICATIVE PLANS
UTILITY PLANS
NYCDEP WATER

CONTRACT NUMBER D900055
DRAWING NO. UTW-02
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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DATE/TIME = Thursday, July 21, 2022 10:30:43 AM
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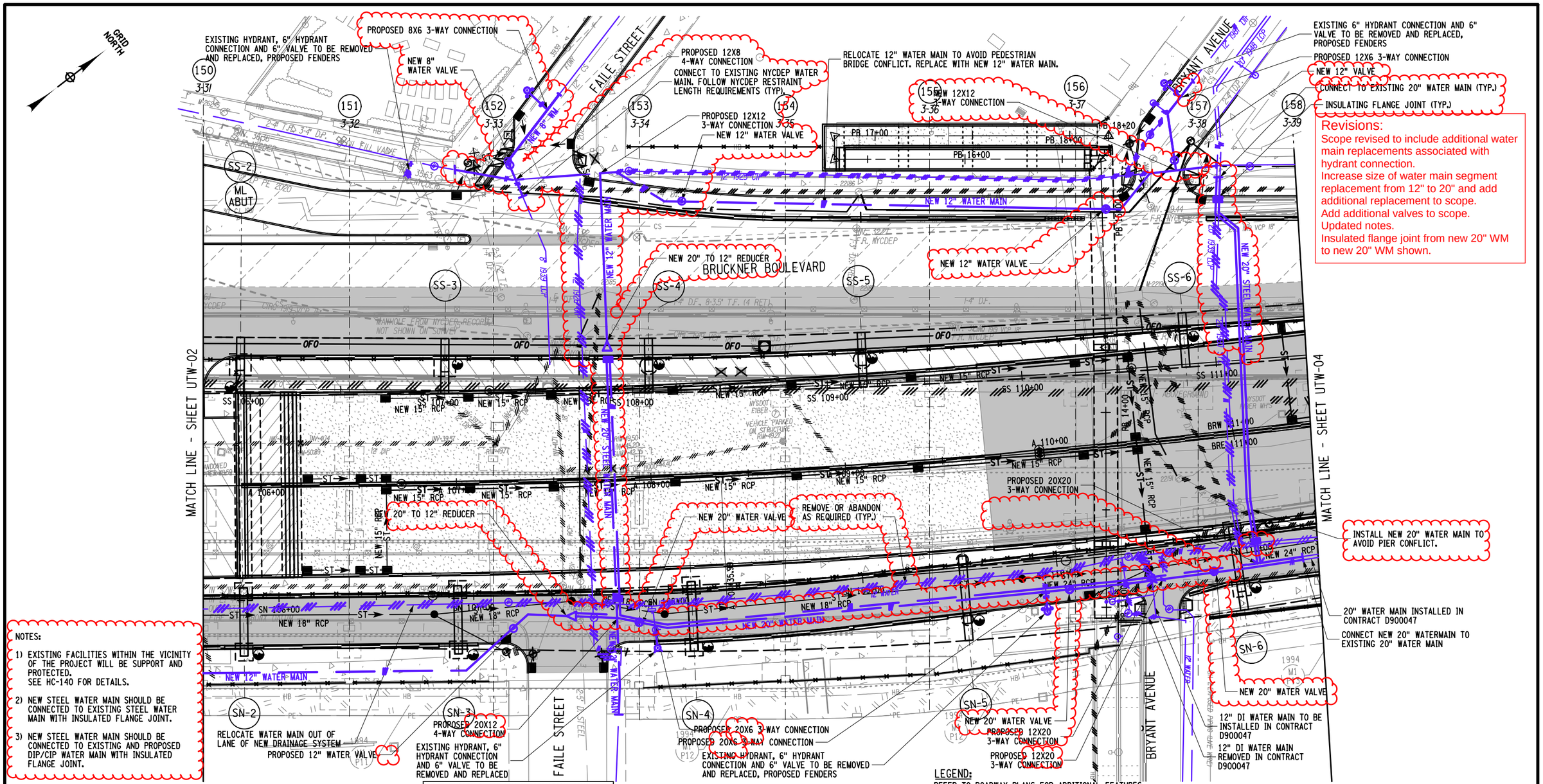

Revisions:

Scope revised to include additional water main replacements associated with hydrant connection.
Increase size of water main segment replacement from 12" to 20" and add additional replacement to scope.
Add additional valves to scope.
Updated notes.
Insulated flange joint from new 20" WM to new 20" WM shown.

NOTES:

1) EXISTING FACILITIES WITHIN THE VICINITY OF THE PROJECT WILL BE SUPPORT AND PROTECTED. SEE HC-140 FOR DETAILS.
2) NEW STEEL WATER MAIN SHOULD BE CONNECTED TO EXISTING STEEL WATER MAIN WITH INSULATED FLANGE JOINT.
3) NEW STEEL WATER MAIN SHOULD BE CONNECTED TO EXISTING AND PROPOSED DIP/CIP WATER MAIN WITH INSULATED FLANGE JOINT.

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- GAS
- TELEPHONE
- SANITARY OR COMBINED SEWER
- STORM SEWER
- WATER

LEGEND:

REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPE AREAS AND BICYCLE PATHS)

- 43 - NEW BENT NUMBER
- 2-I - OLD BENT NUMBER
- PROPOSED CONCRETE SIDEWALK / MEDIAN
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- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED FILL AREA

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
UTILITY PLANS
NYCDEP WATER

CONTRACT NUMBER D900055
DRAWING NO. UTW-03
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/.../.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Civil/UTIL/X73165_cph_utw-103.dgn
DATE/TIME = Thursday, July 21, 2022 10:30:55 AM
USER = bschneider

Revisions:
Scope revised to include additional water main replacement associated with hydrant connection.

GRID NORTH

LONGFELLOW AVENUE

WHITLOCK AVENUE

BRUCKNER BOULEVARD

MATCH LINE - SHEET UTW-03

CONNECT TO EXISTING 12" WATER MAIN. FOLLOW NYCDEP RESTRAINT LENGTH REQUIREMENTS (TYP.)

WATER MAIN RELOCATED AND REPLACED WITH NEW 12" WATER MAIN SEGMENT TO AVOID PROPOSED PIER

PROPOSED 12X6 3-WAY CONNECTION

EXISTING HYDRANT, 6" HYDRANT CONNECTION AND 6" VALVE TO BE REMOVED AND REPLACED

WATER MAIN INSTALLED IN CONTRACT D900047

WATER MAIN REMOVED IN CONTRACT D900047

20" WATER MAIN INSTALLED IN CONTRACT D900047

PROPOSED 20X6 3-WAY CONNECTION. REPLACE 10' OF 20" WATER MAIN ON EACH SIDE OF CONNECTION. EXISTING HYDRANT, 6" HYDRANT CONNECTION AND 6" VALVE TO BE REMOVED AND REPLACED

20" WATER MAIN REMOVED/ABANDONED IN CONTRACT D900047

NOTE:
EXISTING FACILITIES WITHIN THE VARIETY OF THE PROJECT WILL BE SUPPORTED AND PROTECTED. SEE HC-140 FOR DETAILS.

THE EXISTING UTILITY INFORMATION SHOWN ON THESE PLANS WAS DERIVED FROM EXISTING NYSDOT AS-BUILTS AND/OR UTILITY COMPANY PLATES OR RECORDS. THIS INFORMATION IS DESIGNATED AS QUALITY LEVEL D (QLD), UNLESS OTHERWISE INDICATED ON THE PLANS.

25 0 25 50 75 100'
1"=50'

UTILITY LEGEND:
- ELECTRIC
- FIBER OPTIC
- FIRE DEPT. COMMUNICATIONS
- GAS
- TELEPHONE
- SANITARY OR COMBINED SEWER
- STORM SEWER
- WATER

LEGEND:
REFER TO ROADWAY PLANS FOR ADDITIONAL FEATURES (E.G. LANDSCAPE AREAS AND BICYCLE PATHS)

- NEW BENT NUMBER
- OLD BENT NUMBER
- PROPOSED CONCRETE SIDEWALK / MEDIAN
- PROPOSED ASPHALT MEDIAN
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED NEW FENCE
- PROPOSED CONCRETE BARRIER
- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED APPROACH SLAB

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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CONTRACT 3
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INDICATIVE PLANS
UTILITY PLANS
NYCDEP WATER

CONTRACT NUMBER D900055

DRAWING NO. UTW-04
SHEET NO.

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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Civil/UTIL/X73165_CPH_UTW-104.dgn
DATE/TIME = Tuesday,July 19,2022 06:27:47 PM
USER = bschneider

Revisions Made:
- Index updated through Addendum 8

PART 6 FINAL RFP:

Directive:	Sheet #	Drawing Name:
Cover Sheet	1	COV-1
Index of Drawings	2	IND-1
Bin Maps	3	BIN-1
WPS Sheets	4	PL-1
	5	PL-2
	6	PL-3
Work Zone General Notes	7	WZTC-GN-1
Alignment Sheets	8	AL-1
	9	AL-2
	10	AL-3
	11	AL-4
	12	AL-5
	13	AL-6
	14	AL-7
	15	AL-8
	16	AL-9
	17	AL-10
	18	AL-11
	19	AL-12
	20	AL-13
	21	AL-14
Alignment Tables	22	MST-1
	23	MST-2
	24	MST-3
	25	MST-4
Roadway Sheets	26	RP-1
	27	RP-2
	28	RP-3
	29	RP-4
	30	RP-5
Parking Lot Plan	31	PRK-1
Architectural Details	32	DET-01
	33	DET-02
	34	DET-03
	35	DET-04
Urban Design & Landscaping	36	LN-01
	37	LN-02
	38	TPD-01
	39	PN-01
	40	UD-01
	41	UD-02
	42	UD-03
	43	UD-04
	44	UD-05
	45	UD-06
	46	UD-07
	47	UD-08
	48	UD-09
	49	UD-10
	50	UD-11
	51	LEK-01
	52	UDE-01
	53	UDE-02
	54	UDE-03
	55	UDE-04
	56	LPT-02
Joint & Link Slab Layout	57	LSL-01
Steel Repair Locations	58	SR-01
	59	SR-02
	60	SR-03
Concrete Repair Locations	61	CON-1
	62	CON-2
	63	CON-3
	64	CON-4
Railroad Retaining Wall Concrete Repair Locations	65	RW-01
Railroad Bridge Abutment Concrete Repair Locations	66	ABUT-01

AFFIX SEAL:
ON:

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ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

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CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

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DIRECTIVE PLANS
INDEX OF DRAWINGS

CONTRACT NUMBER
D900055

DRAWING NO. IND-1
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_IND_001-AECOM.dgn
DATE/TIME = Friday, March 04, 2022 02:13:45 PM
USER = uma.lakshman

Revisions Made:
- Typo

GRID NORTH

130 3-11 | 131 3-12 | 132 3-13 | 133 3-14 | 134 3-15 | 135 3-16 | 136 3-17 | 137 3-18 | 138 3-19 | 139 3-20

BARRETTO ST

WB BRUCKNER BLVD.

EXISTING EDGE OF STRUCTURE

16'-8" WIDENING

11'-10" WIDENING

6'-3" WIDENING

1' WIDENING

65'

130' OUT TO OUT

N=237469.6338
E=1014078.3141

N38°03'09"E
L=808.32'

WESTBOUND BRUCKNER EXPRESSWAY

A 92+00 | A 93+00 | A 94+00 | A 95+00 | A 96+00 | A 97+00 | A 98+00

92+00 | 93+00 | 94+00 | 95+00 | 96+00 | 97+00 | 98+00

N38°03'09"
L=733.25'

N=237458.5389
E=1014092.4882

EASTBOUND BRUCKNER EXPRESSWAY

MATCH LINE - SHEET AL-02

MATCH LINE - SHEET AL-04

LIMIT OF BRIDGE REHABILITATION D900055

BARRETTO ST

LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- (A1) - EXISTING CURVE NUMBER
- (A1) - PROPOSED CURVE NUMBER
- EXISTING ALIGNMENT
- PROPOSED ALIGNMENT

25 0 25 50 75 100'

1"=50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
ALIGNMENT PLAN 3

CONTRACT NUMBER
D900055

DRAWING NO. AL-03
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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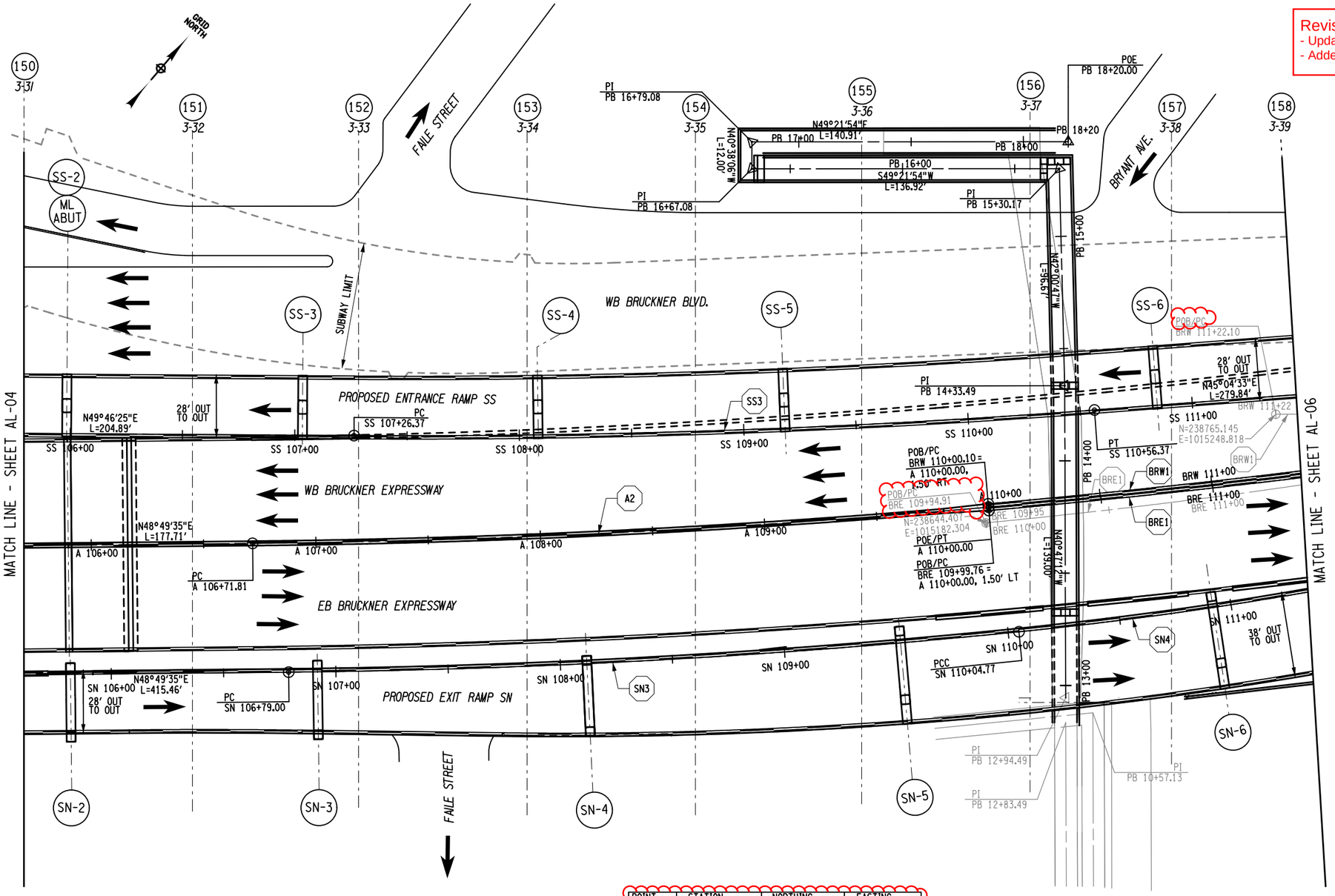
FILE NAME = pw://.../.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_ALP_103-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 02:46:28 PM
USER = Alan.Huang

Revisions Made:
- Updated table
- Added alignment information



POINT	STATION	NORTHING	EASTING
POE/PT	A 110+00.00	238650.4665	1015178.6242
POB/PC	BRE 109+99.76	238649.4181	1015179.6970
POB/PC	BRW 110+00.10	238651.5149	1015177.5514
PI	PB 12+94.49	238608.3707	1015259.9646
POE	PB 118+20.00	238797.1520	1015099.6778

25 0 25 50 75 100'
1"=50'

NOTES:
1. RAMP SS AND SN SUBSTRUCTURE LOCATIONS ARE NOT DIRECTIVE.
2. PEDESTRIAN BRIDGE SUBSTRUCTURE LOCATIONS ARE NOT DIRECTIVE.

LEGEND:
- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- (A1) - EXISTING CURVE NUMBER
- (A1) - PROPOSED CURVE NUMBER
- EXISTING ALIGNMENT
- PROPOSED ALIGNMENT
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
ALIGNMENT PLAN 5

CONTRACT NUMBER D900055
DRAWING NO. AL-05
SHEET NO.

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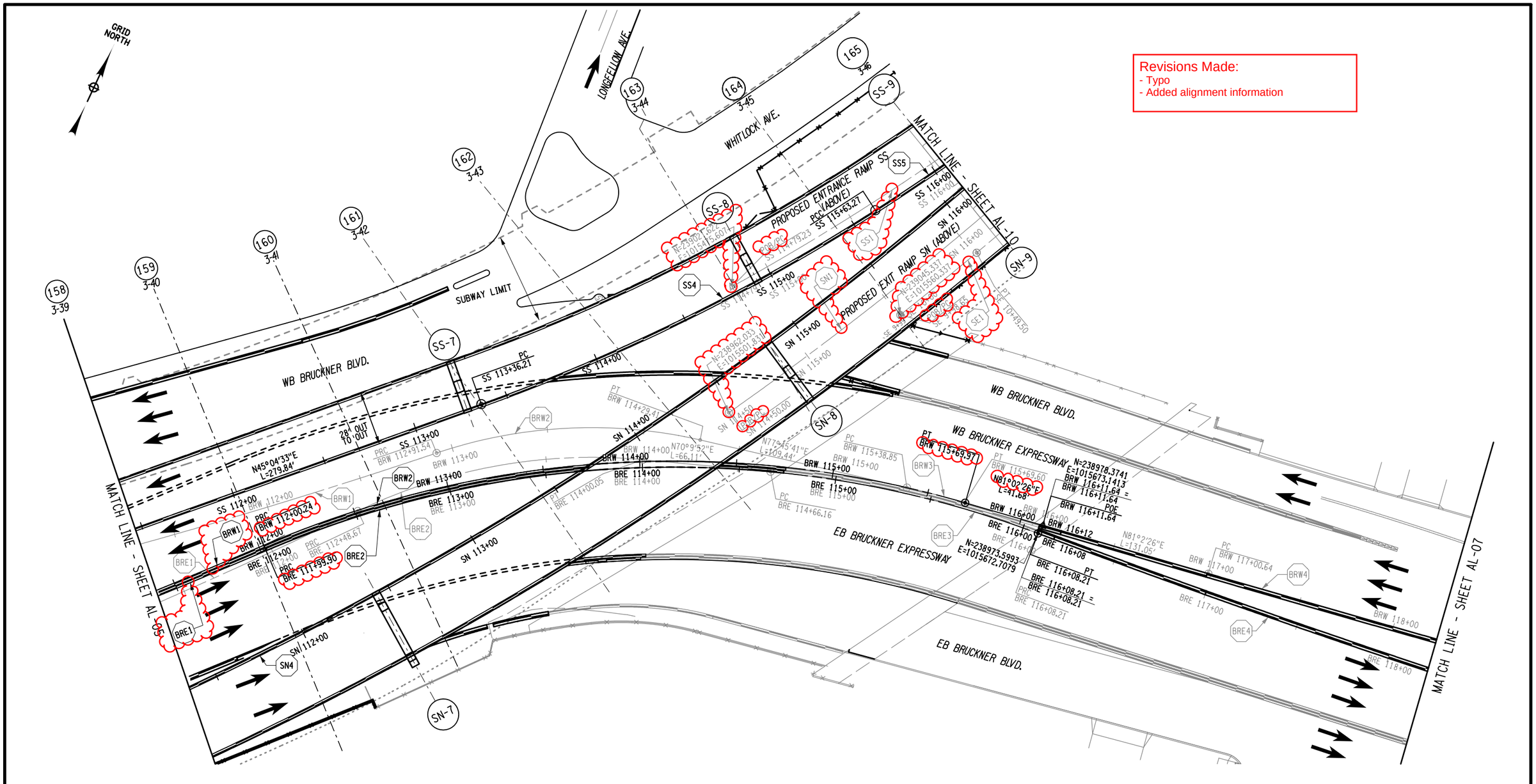
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_ALP_105-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 06:28:19 PM
USER = selzerd



Revisions Made:
- Typo
- Added alignment information

LEGEND:

43	- NEW BENT NUMBER
2-1	- OLD BENT NUMBER
A1	- EXISTING CURVE NUMBER
A1	- PROPOSED CURVE NUMBER
	- EXISTING ALIGNMENT
	- PROPOSED ALIGNMENT
	- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY

25 0 25 50 75 100'

1"=50'

NOTE:
1. RAMP SS AND SN SUBSTRUCTURE LOCATIONS ARE NOT DIRECTIVE

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
ALIGNMENT PLAN 6

CONTRACT NUMBER
D900055

DRAWING NO. AL-06
SHEET NO.

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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_ALP_106-AECOM.dgn [
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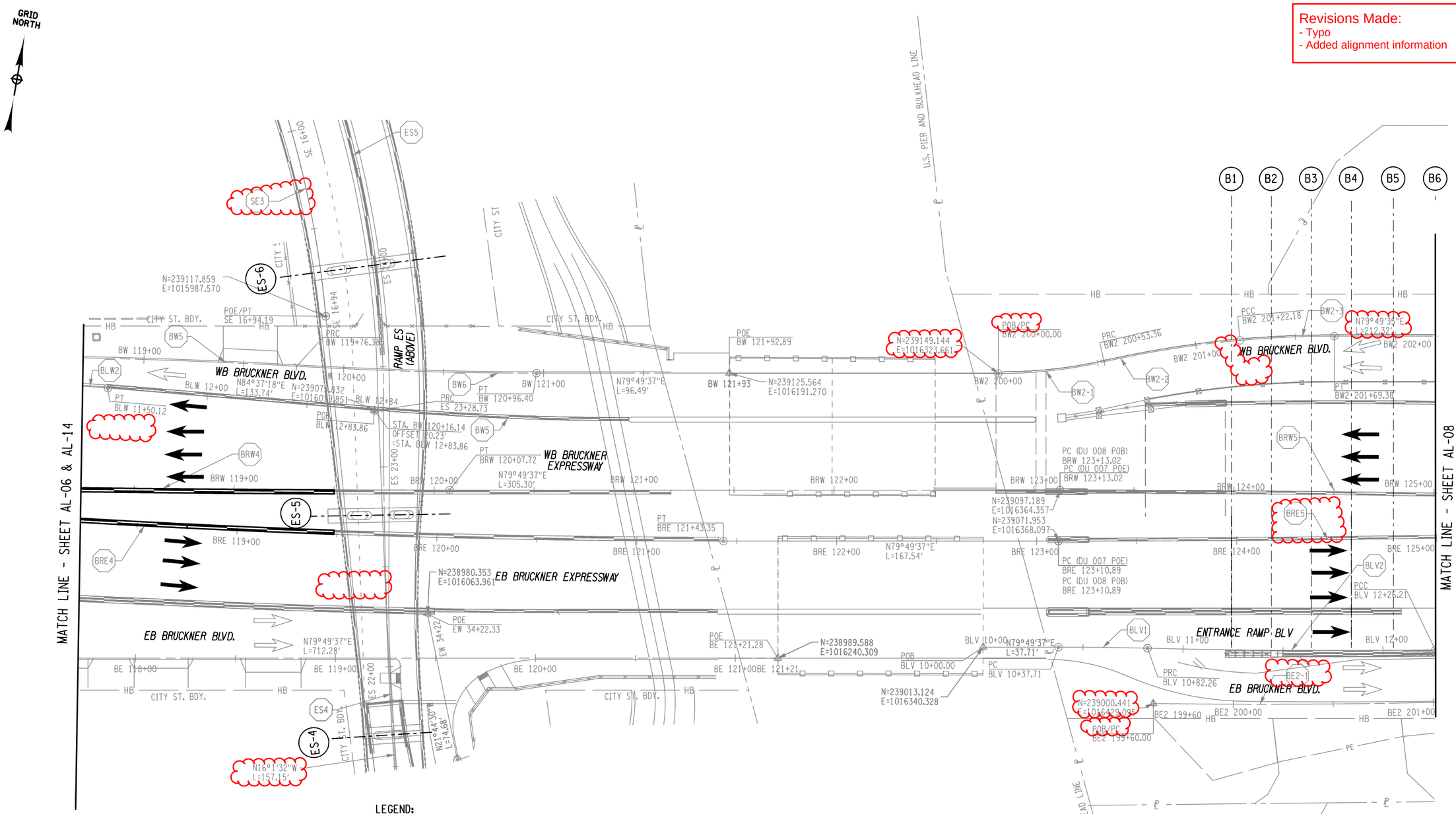
USER = Alan.Huang

Revisions Made:
- Typo
- Added alignment information



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- (A1) - EXISTING CURVE NUMBER
- (A1) - PROPOSED CURVE NUMBER
- EXISTING ALIGNMENT
- PROPOSED ALIGNMENT

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
ALIGNMENT PLAN - 7

CONTRACT NUMBER
D900055

DRAWING NO. AL-07
SHEET NO.

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DATE/TIME = Thursday, July 21, 2022 05:01:07 PM
USER = seizerd

Revisions Made:
- Typo
- Added alignment information

GRID NORTH

B7 P1 P2 P3 P4 P5 P6 P7 P8 P9

BRONX RIVER AVE.

CLOSE AVE.

MATCH LINE - SHEET AL-07

MATCH LINE - SHEET AL-09

WB BRUCKNER BLVD

WB BRUCKNER EXPRESSWAY

EB BRUCKNER EXPRESSWAY

ENTRANCE RAMP BLV

EB BRUCKNER BLVD

EXIT 5I RAMP Y

N79°49'35"E L=212.32'

N79°49'35"E L=482.96'

S79°49'35"W L=86.65'

S79°49'35"W L=354.10'

N79°49'37"E L=473.22'

N=239234.946 E=1016752.681

POB BW3 300+00.00

POE BW2 203+81.71

STA. BW2 203+81.71 OFFSET 12.00' =STA. BW3 300+00.00

POE Y 20+50.84

PT Y 19+64.19

PRC Y 19+15.67

PC Y 18+08.47

PRC BRW 125+69.65

PT BRW 128+26.28

PRC BRE 127+75.83

PRC BLV 17+49.17

PT BLV 19+01.64

PRC BLV 13+53.28

PRC BE2 202+01.13

PRC BE2 207+24.19

BRW5 BRW6 BRE5 BRE6 BLV3 BLV4 BLV5 BE2-1 BE2-2 BE2-3 Y3 Y4

LEGEND:

43 - NEW BENT NUMBER

2-1 - OLD BENT NUMBER

A1 - EXISTING CURVE NUMBER

A1 - PROPOSED CURVE NUMBER

- EXISTING ALIGNMENT

- PROPOSED ALIGNMENT

25 0 25 50 75 100'

1"=50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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PIN X731.65

BRIDGES

CULVERTS

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DIRECTIVE PLANS
ALIGNMENT PLAN - 8

CONTRACT NUMBER D900055

DRAWING NO. AL-08

SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_ALP_108-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 04:18:48 PM
USER = seizerd

Revisions Made:
- Typo
- Added alignment information

GRID NORTH

MATCH LINE - SHEET AL-08

ABUT

EVERGREEN AVE.

WHEELER AVE.

COLGATE AVE.

STA. BRW 137+78
STA. BRE 137+77
LIMIT OF STRIPING
D900055

38'

BW3 306+00
PC BW3 306+53.27
BW3 307+00
PT BW3 307+33.96
BW3 308+00
PC BW3 309+32.33
BW3 309+00
BW3 310+00
BW3 311+00
BW3 311+18
POS/PT BW3 311+17.52
N=239418.157
E=1017796.262
B3-1
B3-2
PT Y 14+54.37
PC Y 13+76.07
S79°49'35"W L=354.10'
N79°49'35"E L=198.37'
Y 15+00
Y 14+00
Y 13+00
Y 12+00
Y 11+00
Y 10+00
Y 10+00.00
PT Y 10+78.54
Y1
Y2
EXIT 51 RAMP Y
WB BRUCKNER BLVD
S84°19'35"W L=297.53'
N=239382.911
E=1017792.347
POB/POS
WB BRUCKNER EXPRESSWAY
EB BRUCKNER EXPRESSWAY
EB BRUCKNER BLVD
BRW 132+00
BRE 132+00
N79°49'37"E L=473.22'
N79°49'37"E L=57.57'
PT BRE 132+40.77
PC BRW 132+99.50
BRW 133+00
BRE 133+00
PC BRE 132+98.34
BRW 134+00
BRE 134+00
PRC BRW 134+72.53
PRC BRE 134+71.34
BRW 135+00
BRE 135+00
STA. BRW 134+81.79
OFFSET 45.50' RIGHT
=STA BLV 22+08.16
BRW 136+00
BRE 136+00
PT BRW 136+45.54
PT BRE 136+44.38
BRW 137+00
BRE 137+00
N79°49'37"E L=554.46'
N79°49'37"E L=555.62'
BRW 138+00
BRE 138+00
N=239348.022
E=1017807.404
N=239346.054
E=1017807.757
BRW7
BRE7
BRW8
BRE8
BRE6
BLV 20+00
BLV 21+00
BLV 22+00
N=239250.186
E=1017524.855
N78°24'22"E L=306.52'
POE BLV 22+08.16
BE2-3
BE2-4
BE2 208+00
PRC BE2 208+92.74
BE2 209+00
BE2 210+00
PT BE2 210+72.29
BE2 211+00
BE2 212+00
N79°49'35"E L=527.74'
BE2 213+00
BE2 214+00

LEGEND:

(43)	- NEW BENT NUMBER
2-1	- OLD BENT NUMBER
(A1)	- EXISTING CURVE NUMBER
(A1)	- PROPOSED CURVE NUMBER
———	- EXISTING ALIGNMENT
———	- PROPOSED ALIGNMENT

25 0 25 50 75 100'
1"=50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
ALIGNMENT PLAN - 9

CONTRACT NUMBER
D900055

DRAWING NO. AL-09
SHEET NO.

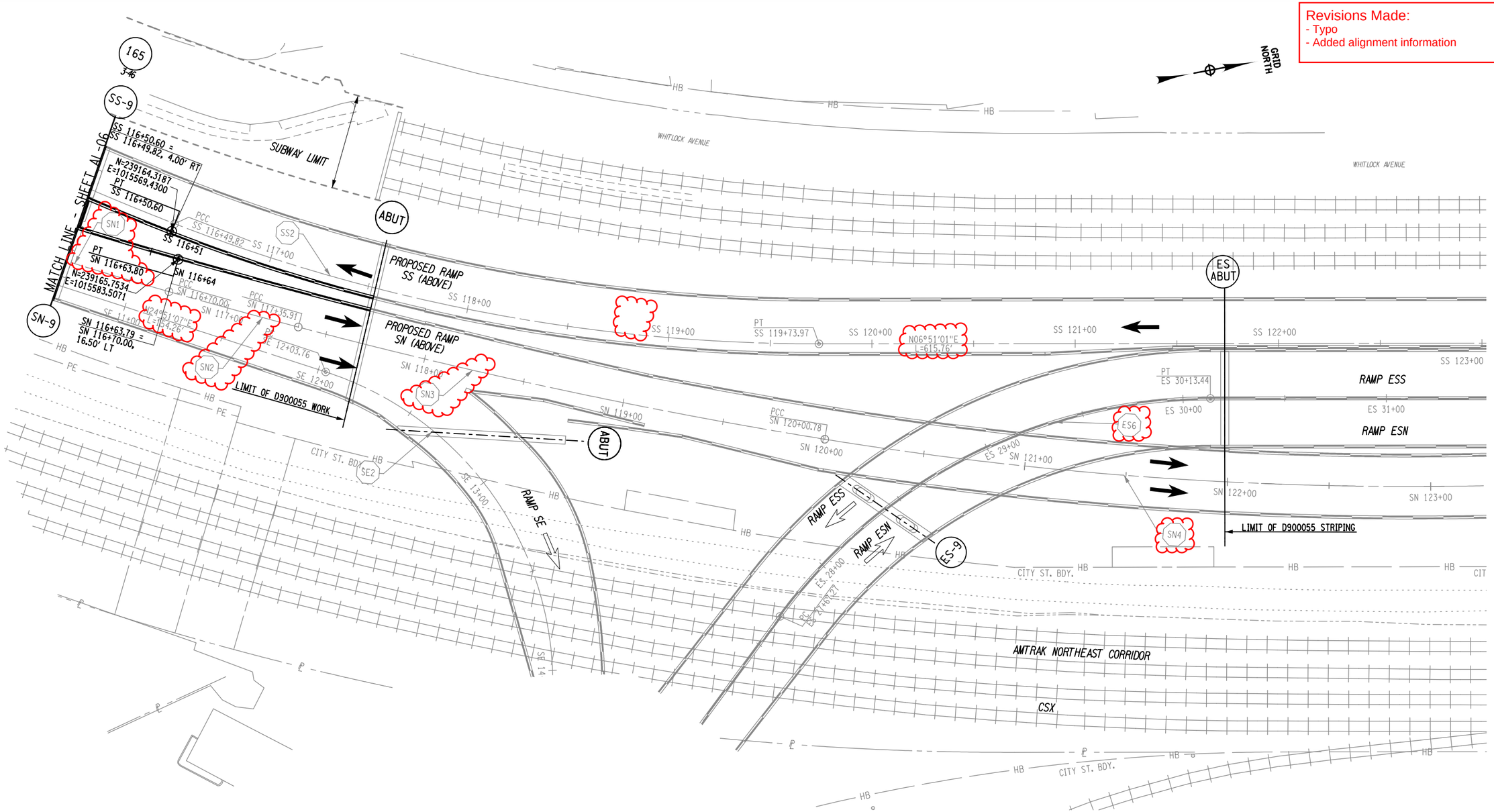
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_ALP_109-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 04:44:40 PM
USER = seizerd

Revisions Made:
- Typo
- Added alignment information



NOTE:
1. RAMP SS AND SN SUBSTRUCTURE LOCATIONS ARE NOT DIRECTIVE

25 0 25 50 75 100'
1"=50'

LEGEND:

- (43) - NEW BENT NUMBER
- 2-I - *OLD BENT NUMBER*
- (A1) - *EXISTING CURVE NUMBER*
- (A1) - PROPOSED CURVE NUMBER
- *EXISTING ALIGNMENT*
- PROPOSED ALIGNMENT
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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DIRECTIVE PLANS
ALIGNMENT PLAN - 10

CONTRACT NUMBER D900055
DRAWING NO. AL-10
SHEET NO.

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DATE/TIME = Thursday, July 21, 2022 03:38:16 PM
USER = seizerd

Revisions Made:
- Typo
- Added alignment information

GRID NORTH

LONGFELLOW AVE.

WHITLOCK AVE.

MATCH LINE - SHEET AL-10

MATCH LINE - SHEET AL-13

MATCH LINE - SHEET AL-07

PROPOSED ENTRANCE RAMP SS (ABOVE)

PROPOSED EXIT RAMP SN (ABOVE)

SUBWAY LIMIT
N51°09'07"E
L=65.29'

WB BRUCKNER BLVD.

WB BRUCKNER EXPRESSWAY

EB BRUCKNER EXPRESSWAY

EB BRUCKNER BLVD.

N49°21'54"E
L=927.80'

N42°46'35"E
L=351.79'

N41°59'25"E
L=136.48'

N79°18'59"E
L=34.28'

N79°19'00"E
L=46.23'

N83°03'44"E
L=78.98'

N79°49'37"E
L=712.28'

POB
BW 113+00.00

PCC
BW 113+97.66

PC
BW 113+65.29

PC
BW 113+28.45

PT
BW 115+18.21

POE
BW 115+52.49
BW 115+52.49 =
BW 115+52.49, 11.00' RT

N=238924.190
E=1015332.935

N=239018.4161
E=1015560.3488

N=239043.113
E=1015737.969

N=238841.3442
E=1015479.6804

BE 113+45.01 =
BE 113+45.01

PCC
BE 113+32.64

PT
BE 113+45.01

PC
BE 112+45.69

PC
BE 112+33.02

PC
BW 117+16.38

PRC
BW 118+36.38

PRC
BLW 10+65.03

STA. BW 117+32.63
OFFSET 12.22' RIGHT
=STA. BLW 10+00.00

SS-7 SS-8 SS-9 SN-7 SN-8 SN-9

158 3-39 159 3-40 160 3-41 161 3-42 162 3-43 163 3-44 164 3-45 165 3-46

BW1 BW2 BW3 BW4 BE3 BE4 BE5 BLW1 BLW2

LEGEND:

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- (A1) PROPOSED CURVE NUMBER
- EXISTING ALIGNMENT
- PROPOSED ALIGNMENT
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- EXISTING EDGE OF STRCUTURE
- PROPOSED EDGE OF STRUCTURE

NOTE:

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25 0 25 50 75 100'
1"=50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

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CONTRACT 3
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DIRECTIVE PLANS
ALIGNMENT PLAN 14

CONTRACT NUMBER
D900055

DRAWING NO. AL-14
SHEET NO.

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DATE/TIME = Thursday, July 21, 2022 03:06:24 PM
USER = seizerd

Revisions Made:
- Curve tables added

BRUCKNER BOULEVARD

PROPOSED BW CURVE DATA	
CURVE DATA CURVE BW1	CURVE DATA CURVE BW2
P.C. = BW 102+36.18	P.C. = BW 113+28.45
P.T. = BW 104+00.64	P.T. = BW 115+18.21
R = 833.00′	R = 363.00′
L = 164.47′	L = 189.76′
Δ = 11° 18′ 45" RT	Δ= 29° 57′ 05" RT

PROPOSED BE CURVE DATA					
CURVE DATA CURVE BE1	CURVE DATA CURVE BE1A	CURVE DATA CURVE BE2	CURVE DATA CURVE BE3	CURVE DATA CURVE BE4	CURVE DATA CURVE BE5
P.C. = BE 98+80.70	P.C. = BE 100+15.24	P.C. = BE 104+46.19	P.C. = BE 107+64.66	P.C. = BE 112+45.69	P.C.C. = BE 113+32.64
P.T. = BE 99+18.15	P.T. = BE 101+31.41	P.T. = BE 105+08.49	P.T = BE 108+93.90	P.C.C. = BE 113+32.64	P.T. = BE 113+45.01
R = 1500.00′	R = 350.00′	R = 524.00′	R = 1224.00′	R = 350.00′	R = 380.00′
L = 37.45′	L = 116.17′	L = 62.31′	L = 129.24′	L = 86.96′	L = 12.37′
Δ = 1° 25′ 49" LT	Δ = 19° 01′ 01" RT	Δ = 6° 48′ 46" LT	Δ = 6° 03′ 00" LT	Δ = 14° 14′ 5" RT	Δ =1° 51′ 53" RT

EXISTING BW CURVE DATA					
CURVE DATA CURVE BW1	CURVE DATA CURVE BW2	CURVE DATA CURVE BW3	CURVE DATA CURVE BW4	CURVE DATA CURVE BW5	CURVE DATA CURVE BW6
P.C. = BW 113+65.29	P.C.C. = BW 113+97.66	P.C. = BE 115+97.72	P.C. = BW 117+16.38	P.R.C. = BW 118+36.38	P.R.C. = BW 119+76.38
P.C.C = BW 113+97.66	P.T. = BW 115+52.49	P.T. = BE 116+37.40	P.R.C = BW 118+36.38	P.R.C. = BW 119+76.38	P.T. = BW 120+96.40
R = 132.00′	R = 628.52′	R = 607.00′	R = 2500.00′	R = 2850.00′	R = 2084.05′
L = 32.37′	L = 154.83′	L = 39.68′	L = 120.00′	L = 140.00′	L = 120.02′
Δ = 14° 03′ 04" RT	Δ = 14° 06′ 50" RT	Δ = 3° 44′ 44" RT	Δ = 2° 45′ 01" LT	Δ = 2° 48′ 52" RT	Δ =3° 17′ 58" LT

EXISTING BW2 CURVE DATA		
CURVE DATA CURVE BW2-1	CURVE DATA CURVE BW2-2	CURVE DATA CURVE BW2-3
P.C. = BW2 200+00.00	P.R.C. = BW2 200+53.36	P.C.C. = BW2 201+22.18
P.R.C. = BW2 200+53.36	P.C.C. = BW2 201+22.18	P.T. = BW2 201+69.38
R = 237.11′	R = 522.01′	R = 522.00′
L = 53.36′	L = 68.82′	L = 47.20′
Δ= 12° 53′ 37" LT	Δ = 7° 33′ 15" RT	Δ = 5° 10′ 52" RT

EXISTING BW3 CURVE DATA	
CURVE DATA CURVE BW3-1	CURVE DATA CURVE BW3-2
P.C. = BW3 306+53.27	P.C. = BW3 309+32.33
P.T. = BW3 307+33.96	P.T. = BW3 311+17.52
R = 1027.50′	R = 2357.95′
L = 80.70′	L = 185.19′
Δ = 4° 30′ 0" RT	Δ = 4° 30′ 0" LT

EXISTING BE CURVE DATA			
CURVE DATA CURVE BE1	CURVE DATA CURVE BE2	CURVE DATA CURVE BE3	CURVE DATA CURVE BE4
P.C. = BE 107+80.00	P.C. = BE 110+15.86	P.C. = BE 112+33.02	P.C.C. = BE 113+45.01
P.T. = BE 109+86.95	P.T. = BE 110+96.54	P.C.C. = BE 113+45.01	P.T. = BE 114+09.00
R = 2223.75′	R = 5450.00′	R = 380.00′	R = 175.00′
L = 206.95′	L = 80.68′	L = 111.99′	L = 63.99′
Δ= 5° 19′ 56" LT	Δ = 0° 50′ 54" LT	Δ= 16° 53′ 08" RT	Δ= 20° 57′ 04" RT

EXISTING BE2 CURVE DATA			
CURVE DATA CURVE BE2-1	CURVE DATA CURVE BE2-2	CURVE DATA CURVE BE2-3	CURVE DATA CURVE BE2-4
P.C. = BE2 199+60.00	P.R.C. = BE2 202+01.13	P.R.C. = BE2 207+24.19	P.R.C. = BE2 208+92.74
P.R.C. = BE2 202+01.13	P.R.C. = BE2 207+24.19	P.R.C. = BE2 208+92.74	P.T. = BE2 210+72.29
R = 3825.00′	R = 11371.00′	R = 4000.00′	R = 4000.00′
L = 241.13′	L = 523.06′	L = 168.55′	L = 179.55′
Δ= 3° 36′ 43" LT	Δ = 2° 38′ 08" RT	Δ= 2° 24′ 52" LT	Δ= 2° 34′ 19" RT

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
MISCELLANEOUS TABLES
SHEET 2

CONTRACT NUMBER
D900055

DRAWING NO. MST-2
SHEET NO.

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DATE/TIME = Thursday, July 21, 2022 10:53:44 AM
USER = Alan.Huang

Revisions Made:
- Sidewalk revised

GRID NORTH

PROPOSED SINGLE SLOPE CONCRETE MEDIAN BARRIER (TYP.)
DETECTABLE WARNING UNITS (TYP.)
APPROXIMATE LIMITS OF RECONSTRUCTION OF DEL VALLE SQUARE (P-102DEL.V)
REPLACE EXISTING TRAFFIC SIGNALS
EXISTING CURB TO BE REPLACED
PROPOSED TRAFFIC SIGNAL
RESTORE AREA IMPACTED BY TRAFFIC SIGNALS IN KIND (TYP.)
PROPOSED ADA CURB RAMP (TYP.)
DETECTABLE WARNING UNITS (TYP.)
PROPOSED CURB
PROPOSED BIKE SHARE STATION
BIKE STATION
BUS LAYOVER
PROPOSED LOW PROFILE BARRIER
PROPOSED CONTINUITY STEEL PLATE AT MANHOLE
PROPOSED IMPACT ATTENUATOR
SEE DRAWING PRK-01 FOR DETAILS
BIKE STAMP (TYP.)
PROPOSED SINGLE SLOPE CONCRETE MEDIAN BARRIER (TYP.)
EXISTING SHED TO BE REMOVED AND REPLACED WITH SIDEWALK
EXTEND STRIPING TO GARRISON AVE.
APPROXIMATE LIMITS OF PENN STATION ACCESS PROJECT (CBX001)
PROPOSED SINGLE SLOPE CONCRETE HALF SECTION BARRIER (TYP.)
PROPOSED ADA CURB RAMP (TYP.)
EXISTING FENCE TO BE REPLACED
SEE DWG. TYP-6
SEE DWG. TYP-7
SEE DWG. TYP-8
SEE DWG. TYP-9
SEE DWG. TYP-10
MATCH LINE - SHEET RP-01
MATCH LINE - SHEET RP-03
WB BRUCKNER BLVD.
EB BRUCKNER BLVD.
EAST 163RD ST.
HUNTS POINT AVE.
PARKING
DRIVEWAY
BW 99+00
BW 100+00
BW 101+00
BW 102+00
BW 103+00
BW 104+00
BW 105+00
BE 99+00
BE 100+00
BE 101+00
BE 102+00
BE 103+00
BE 104+00
BE 105+00

25 0 25 50 75 100′
1"=50′

NOTES:

1. THE DIRECTIVE ELEMENTS OF THE ROADWAY PLANS INCLUDE: INTERSECTION CONFIGURATIONS, LANE WIDTHS, CURB AND BARRIER LOCATIONS, PAVEMENT RECONSTRUCTION LIMITS, PAVEMENT REHABILITATION LIMITS, MEDIAN RECONSTRUCTION, SIDEWALK RECONSTRUCTION, FENCING, REMEDIATION WITHIN AMTRAK ROW, AND THE ALIGNMENT AND WIDTHS OF THE PEDESTRIAN PATH, BICYCLE PATH, AND SHARED USE PATH. THE DESIGN BUILDER IS RESPONSIBLE FOR ALL ENGINEERING AND ANALYSIS TO ACHIEVE THE DIRECTIVE RESULTS IN ACCORDANCE WITH PROJECT REQUIREMENTS.

2. THE CONTRACTOR SHALL USE SINGLE SLOPE CONCRETE MEDIAN BARRIER AS SHOWN IN DRAWINGS. SINGLE SLOPE CONCRETE HALF SECTION BARRIERS MAY BE USED AT COLUMNS AND WHERE BACKUP POSTS WILL NOT IMPACT PEDESTRIANS AND CYCLISTS.

LEGEND:

- (43) NEW BENT NUMBER
- 2-1 OLD BENT NUMBER
- PROPOSED CONCRETE SIDEWALK / MEDIAN /CAP
- PROPOSED ASPHALT MEDIAN
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED EDGE OF STRUCTURE
- EXISTING EDGE OF STRUCTURE
- CLEARING, GRUBBING AND PLACE GRAVEL
- PROPOSED MILLING AND RESURFACING
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED LANDSCAPING AREA SEE URBAN DESIGN PLANS
- PROPOSED COLOR ASPHALT BICYCLE PATH
- WORK DONE BY OTHERS
- PROPOSED PAVERS SEE URBAN DESIGN PLANS
- EXISTING SHED TO BE REMOVED

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

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DIRECTIVE PLANS
ROADWAY PLANS - 02

CONTRACT NUMBER D900055

DRAWING NO. RP-02
SHEET NO.

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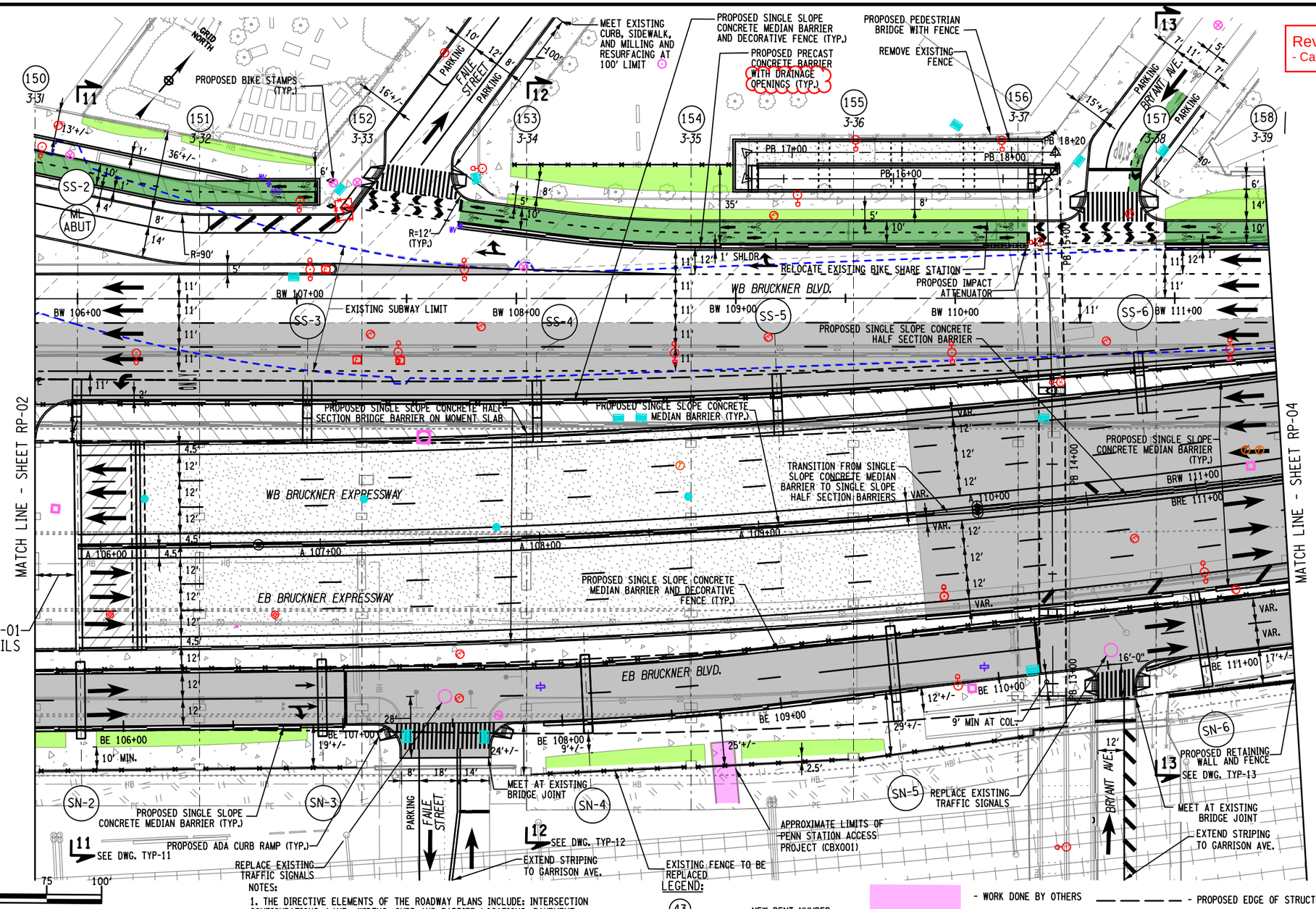
DATE/TIME = Thursday, July 14, 2022 05:38:32 PM
USER = seizerd

Revisions Made:
- Callout revised



NOTES:

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- PROPOSED EDGE OF STRUCTURE
- EXISTING EDGE OF STRUCTURE
- PROPOSED LANDSCAPING AREA SEE URBAN DESIGN PLANS
- PROPOSED COLOR ASPHALT BICYCLE PATH
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED FILL AREA
- PROPOSED APPROACH SLAB

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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ROADWAY PLANS - 03

CONTRACT NUMBER D900055

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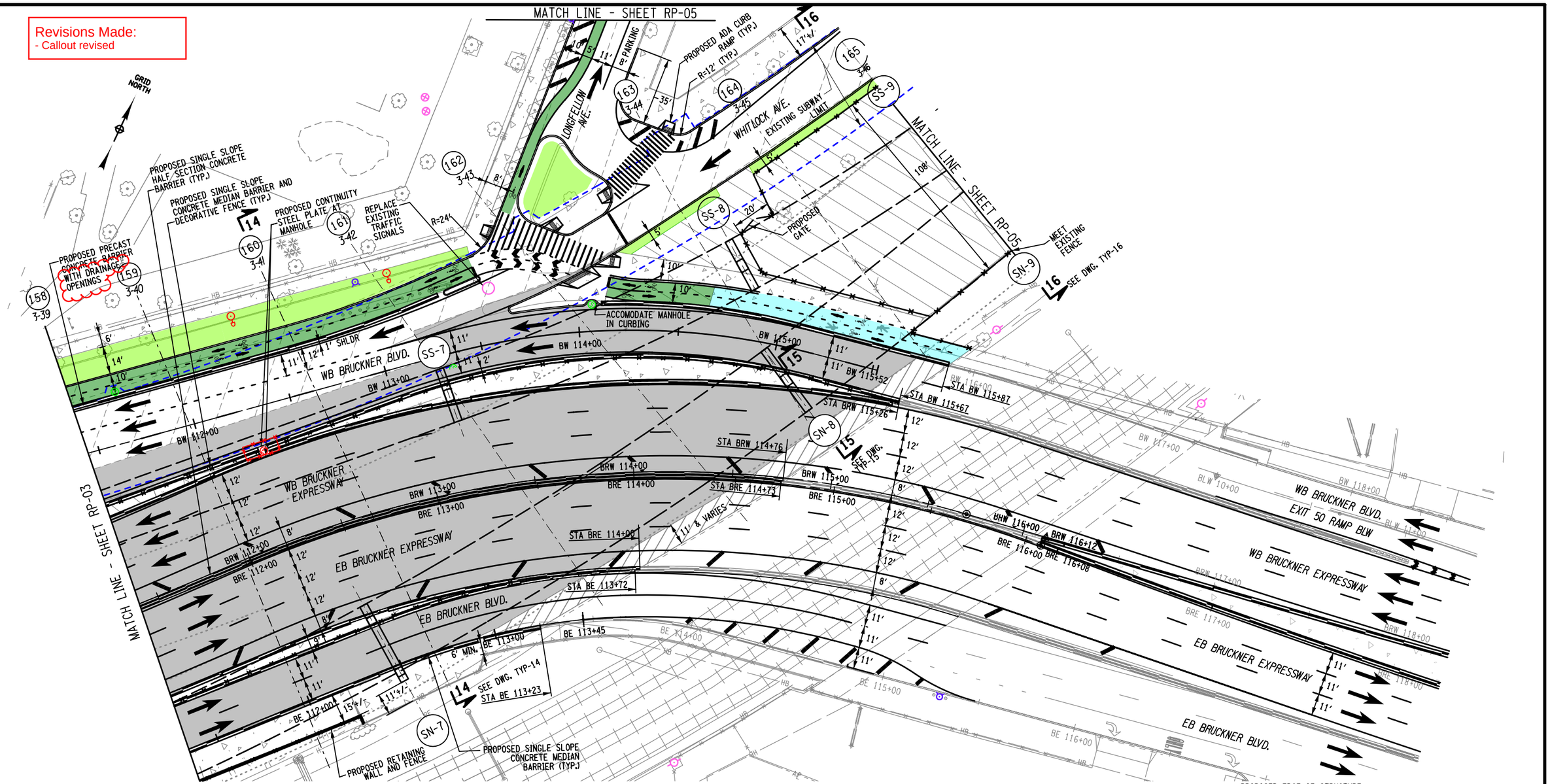
Revisions Made:
- Callout revised



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- PROPOSED APPROACH SLAB
- PROPOSED PAVERS SEE URBAN DESIGN PLANS
- PROPOSED LANDSCAPING AREA SEE URBAN DESIGN PLANS
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED COLOR ASPHALT BICYCLE PATH
- PROPOSED CONCRETE SHARED USE PATH

AFFIX SEAL: ON:	ALTERED BY: ON:

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DESCRIPTION OF ALTERATIONS:

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DIRECTIVE PLANS
ROADWAY PLANS - 04

CONTRACT NUMBER
D900055

DRAWING NO. RP-04
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw://.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_PRS_GNP_204-AECOM.dgn [
DATE/TIME = Thursday, July 14, 2022 06:00:18 PM
USER = selzerd

12. SPOTTED LANTERNFLY: THE CONTRACTORS ATTENTION IS DIRECTED TO THE RESTRICTIONS AND QUARANTINE OF SPOTTED LANTERNFLY. MORE INFORMATION CAN BE FOUND AT:

HTTPS://AGRICULTURE.NY.GOV/NEWS/NEW-YORK-STATE-IMPLEMENTS-NEW-ACTIONS-PREVENT-SPREAD-SPOTTED-LANTERNFLY-NEW-YORK-STATE
HTTPS://WWW.NYCGOVPARKS.ORG/TREES/SPOTTED-LANTERNFLY-INFESTATION#: :TEXT=SPOTTED%20LANTERN%20LYCORMA%20DELICATULA%E2%80%93SLF,THREAT%20TO%20OUR%20CITY'S%20FORESTS

13. THE CONTRACTOR SHALL HIRE A CERTIFIED ARBORIST TO PERFORM DUTIES AS DESCRIBED HEREIN. THE ARBORIST SHALL ACT AT THE CONTRACTOR'S REPRESENTATIVE IN FULFILLING THE TASKS DESCRIBED BELOW AND TO ENSURE THE CONTRACTOR'S COMPLIANCE TO ALL APPLICABLE REQUIREMENTS OF THE LANDSCAPE PLANS AND SPECIFICATIONS, AND TO MINIMIZE THE IMPACT TO THE EXISTING LANDSCAPING DUE TO CONSTRUCTION ACTIVITIES. ALL WORK SHALL BE PERFORMED IN CONSULTATION WITH THE ENGINEER AND THE REGIONAL LANDSCAPE ARCHITECT. PAYMENT FOR THE SERVICES OF THE ARBORIST SHALL BE INCLUDED UNDER RELATED CONTRACT ITEMS. NO SEPARATE PAYMENT WILL BE MADE FOR SUPPLYING THE ARBORIST. THE PROPOSED SCOPE OF DUTIES AND RESPONSIBILITIES FOR THE CERTIFIED ARBORIST DURING THE PROJECT'S CONSTRUCTION PHASE SHALL INCLUDE:

1). SUPERVISE INSTALLATION OF VEGETATION PROTECTION BARRIERS AND OTHER SAFEGUARDS TO VEGETATION PER CONTRACT.

2). CONSULT WITH THE ENGINEER AND CONTRACTOR TO INCLUDE ANY MODIFICATIONS TO PROTECTION LIMITS AND OTHER SAFEGUARDS, AND TREE CARE TASKS. DOCUMENT CHANGES TO CONTRACT LIMITS AND REQUIREMENTS.

3). PROVIDE RECOMMENDATIONS FOR MITIGATIONS FROM IMPACTS TO TREES GENERATED BY ANY MODIFICATIONS TO CONTRACT VEGETATION PROTECTION LIMITS.

4). PROVIDE MONTHLY INSPECTION AND REPORTS OF VEGETATION AND PROTECTION MEASURES, AND WHEN REQUESTED BY THE ENGINEER BE AVAILABLE FOR MEETINGS/ INSPECTIONS OF PROJECT, AS REQUIRED, WITHIN 72 HOUR NOTICE.

5). DIRECTLY SUPERVISE ALL WORK PERFORMED ON TREES OR IN AND ON THE SOIL UNDER TREE CANOPIES.

6). TASKS ARE TO BE CONTINUED DURING PLANTING AND PERIOD OF ESTABLISHMENT, AND SHALL INCLUDE REPORT AND SUPERVISION ON THOSE TASKS.

TREE PROTECTION BARRIER

DIMENSIONS, OFFSET, AND LENGTH OF THE TEMPORARY BARRIER AROUND THE WORK AREAS ARE DETAILED AS INDICATED BELOW:

1). UNLESS OTHERWISE SHOWN THE STANDARD OFFSET BETWEEN THE CURB AND BARRIER IS 7 FT.

2). CHANGES IN OFFSET AS INDICATED BY THE LEADERS AND A DIMENSION SHOWING THE OFFSET IN FEET.

WORKING WITHIN DRIPLINE OF EXISTING TREE

1. TREATMENT OF TREE ROOTS - NO ROOTS OVER ONE (1) INCH DIAMETER SHOULD BE SHAVED OR CUT WITHOUT THE PERMISSION OF ARBORIST. IF SMALL ROOTS MUST BE CUT THIS SHOULD BE DONE WITH A SHARP IMPLEMENT TO LEAVE A CLEAN FINISH. USE OF HEAVY EQUIPMENT SUCH AS A BACKHOE TO CUT ROOTS IS PROHIBITED.

2. PRUNING - ALL CONTACT BETWEEN EQUIPMENT AND OVERHEAD TREE LIMBS SHOULD BE AVOIDED. BENDING OR BREAKAGE OF LIMBS IS PROHIBITED. IF CLEARANCE PRUNING IS PROPOSED, IT SHALL NOT TAKE PLACE WITHOUT THE PERMISSION OF THE ARBORIST, AND SHALL ONLY BE PERFORMED WITH PROFESSIONAL EQUIPMENT AS PER PARKS STANDARDS AND SPECIFICATIONS FOR SUCH WORK. NO TREES SHALL BE PRUNED OR REMOVED WITHOUT THE PERMISSION OF THE ARBORIST. TREE WORK IS TO BE PERFORMED BY AN ARBORIST HOLDING CERTIFICATION FROM THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA). PARKS IS TO RECEIVE NOTIFICATION 48 HOURS BEFORE ANY TREE WORK IS TO BEGIN.

3. REMOVAL OF EXISTING INFRASTRUCTURE - EXTREME CARE MUST BE EXERCISED IN REMOVING CONCRETE OR ASPHALT WITHIN THE DRIP LINE OF EXISTING TREES, LIFTING RATHER THAN DRAGGING PAVING PIECES. TOOLS AND EQUIPMENT FOR THIS ACTIVITY SHALL BE APPROVED BY THE ARBORIST PRIOR TO THE START OF EXCAVATION.

4. METHODS OF EXCAVATION - ANY EXCAVATION FOR UTILITY OR INFRASTRUCTURE INSTALLATION WITHIN THE DRIP LINE OF AN EXISTING TREE SHALL BE DONE BY HAND OR PNEUMATIC EXCAVATION, OR MICRO TUNNELING. TRENCHING SHALL NOT OCCUR WITHIN THE DRIP LINE UNLESS ABSOLUTELY NECESSARY AND WITHOUT PRIOR APPROVAL BY THE ARBORIST.

5. TREATMENT OF EXPOSED ROOTS - WHERE SUCH EXCAVATION DOES OCCUR FOR THE REMOVAL OF EXISTING FEATURES OR THE INSTALLATION OF NEW WORK, THE EXCAVATED AREA SHALL BE BACKFILLED IMMEDIATELY. EXPOSED ROOTS SHALL BE COVERED WITH BURLAP OR OTHER APPROVED MATERIAL, AND KEPT CONSTANTLY MOIST. BURLAP SHALL BE CHECKED A MINIMUM OF TWO (2) TIMES A DAY, ONCE IN THE MORNING AND ONCE IN THE AFTERNOON IN ORDER TO MAINTAIN APPROPRIATE LEVELS OF MOISTURE, UNTIL BACKFILL IS COMPLETE. IF DIRECTED, SOAKER HOSES SHALL BE INSTALLED TO FACILITATE PROPERLY MOIST CONDITIONS OF EXCAVATED AREAS.

6. GRADE REDUCTION - MANY TREE ROOTS OCCUR WITHIN THE TOP SIX TO EIGHT INCHES OF THE SOIL. SOIL REMOVAL CAN RESULT IN THE LOSS OF TREE ROOTS. SOIL REMOVAL WITHIN THE TREE PROTECTION ZONE IS PROHIBITED WITHOUT THE APPROVAL OF THE ARBORIST. SOIL REMOVAL METHODS IN THESE ZONES ARE TO BE DETERMINED BY THE ARBORIST. ANY REMOVAL OF SOIL WITHIN THE DRIP LINE SHALL BE PERFORMED UNDER THE SUPERVISION OF AN ARBORIST.

7. GRADE INCREASE - THE ADDITION OF SOIL CAN SMOTHER TREE ROOTS, BY REDUCING THE AMOUNT OF WATER AND OXYGEN REACHING THE SOIL AREA WHERE ROOTS OCCUR. FILL OF UP TO THREE (3) INCHES ADDITIONAL DEPTH MAY BE PERMITTED. FILL EXCEEDING THREE INCHES SHALL NOT OCCUR WITHOUT THE PRIOR INSTALLATION OF AN AERATION SYSTEM OR OTHER DETAIL APPROVED BY THE ARBORIST.

REVISIONS MADE
- Notes added to clarify the quantity of granite pavers on site to be removed, salvaged, restored and reset.

ITEM 206.04010011 PNEUMATIC EXCAVATION AND BACKFILL OF TRENCHES &
ITEM 206.04020011 PNEUMATIC EXCAVATION AND BACKFILL OF TEST PITS
(WHEN REQUIRED BY THE ENGINEER OR ARBORIST)

1. ALL WORK TO BE PERFORMED UNDER DIRECT SUPERVISION OF ARBORIST. ALL WORK LIMITS TO BE DETERMINED IN FIELD BY ARBORIST.

2. NO STAGING OR STORAGE OF EQUIPMENT OR MATERIALS SHALL OCCUR WITHIN THE TREE/LANDSCAPE PROTECTION ZONE OF THE PROJECT.

3. TREE/LANDSCAPE PROTECTION FENCING SHALL BE RETURNED TO ITS APPROVED, STAKED LOCATION UPON COMPLETION OF RADIAL TRENCHING PROCEDURES.

4. AIR-SPADE SHALL BE OPERATED BY ONLY PERSONNEL HAVING MORE THAN 1 YEAR OF EXPERIENCE OPERATING THE AIR-SPADE FOR ARBORICULTURAL PURPOSES SUCH AS ROOT COLLAR EXCAVATIONS AND ROOT INVIGORATION TECHNIQUES.

5. FOR DUST CONTROL: WORK AREA TO BE WATERED AT LEAST 24 HOURS IN ADVANCE OF BUT NO MORE THAN 48 HOURS PRIOR TO THE START OF ANY PNEUMATIC EXCAVATION. SEE ITEM 206.04010011 FOR DUST CONTROL MEASURES.

6. WATER TRUCK TO BE PRESENT ON SITE DURING ALL RADIAL TRENCHING AND BACKFILL PROCEDURES. IRRIGATE ENTIRE ROOT ZONE TO FULL DEPTH OF TREATMENT. CONTRACTOR TO PROVIDE CONTAINMENT STRUCTURE OR BARRIER TO CONTAIN SOIL PER ITEM 206.04010011.

7. IF RECAPTURE OF EXCAVATED SOIL IS LESS THAN 50% FOR THE BACKFILL OF TRENCHES, THE DIFFERENCE SHALL BE MADE UP WITH ADDITIONAL TOPSOIL. ITEM 610.1402 TOPSOIL - ROADSIDE.

8. IF RECAPTURE OF EXCAVATED SOIL IS MORE THAN 50% FOR THE BACKFILL OF TRENCHES, THE EXCESS SOIL SHALL BE REMOVED FROM THE SITE OR REUSED AS DIRECTED BY THE REGIONAL LANDSCAPE ARCHITECT.

REMOVE AND RESET GRANITE PAVERS

1. DESIGN-BUILDER SHALL CAREFULLY REMOVE AND RESET EXISTING GRANITE PAVERS IN ACCORDANCE WITH PLANS.

2. ALL GRANITE PAVERS SHALL BE REMOVED AND HANDLED WITH EXTREME CARE TO AVOID BREAKAGE. ANY PAVERS WHICH ARE BROKEN OR DAMAGED BY THE DESIGN-BUILDER'S OPERATIONS SHALL BE REPLACED OR REPAIRED AT HIS OWN EXPENSE. THE CONTRACTOR SHALL DISPOSE OF AND REMOVE FROM SITE BADLY DAMAGED PAVERS ONLY WHEN ORDERED BY ENGINEER.

3. WHERE PAVERS ARE TO BE RESET IN SAME LOCATION, THEY ARE TO BE STORED UNTIL RESETTING. DESIGN-BUILDER SHALL BE COMPLETELY RESPONSIBLE FOR THE DISPOSITION OF EXISTING PAVERS AND SHALL REPLACE ALL PAVERS THAT ARE LOST, STOLEN OR DAMAGED DURING STORAGE AT HIS OWN EXPENSE.

4. PAVERS SHALL BE LAID ON A SAND BASE OF A MINIMUM THICKNESS OF ONE (1) INCH. BASE SAND SHALL CONSIST OF CLEAN, HARD, DURABLE UNCOATED STONE PARTICLES, FREE FROM LUMPS OF CLAY AND ALL DELETERIOUS SUBSTANCES AND SHALL BE SO GRADED THAT WHEN DRY, ONE HUNDRED PERCENT SHALL PASS ¼ INCH SQUARE OPENING SIEVE; NO MORE THAN THIRTY-FIVE (35) PERCENT BY WEIGHT SHALL PASS A NO. 50 SIEVE. CUSHION SAND SHALL NOT CONTAIN MORE THAN TEN (10) PERCENT WEIGHT OF LOAM AND SILT. THE SAND BASE SHALL BE COMPACTED BY BEING ROLLED WITH A ROLLER WEIGHING 150LBS PER FOOT OF WIDTH.

5. AFTER SUFFICIENT AREA OF PAVERS HAS BEEN LAID, THE SURFACE SHALL BE TESTED WITH A TEN FOOT STRAIGHT EDGE LAID PARALLEL WITH THE CENTER LINE AND ANY DEPRESSION EXCEEDING ¼ INCH SHALL BE CORRECTED AND BROUGHT TO PROPER GRADE. ALL PAVERS DISTURBED IN MAKING REPLACEMENTS OR CORRECTING DEPRESSIONS SHALL BE SETTLED INTO PLACE BY CAREFULLY RAMMING OR TAMPING TO GRADE BY USE OF A HAND TAMPER APPLIED UPON A TWO-INCH BOARD.

6. JOINTS SHALL BE COMPLETELY FILLED WITH A CEMENT GROUT MIXTURE OF ONE PART PORTLAND CEMENT AND TWO PARTS SAND. THE GROUT SHALL BE FIRMLY PACKED IN THE JOINTS BETWEEN PAVERS. IMMEDIATELY AFTER JOINTS ARE FILLED, THE PAVEMENT SHALL BE SWEPT CLEAN. THE FINISHED SURFACE SHALL BE FREE OF ALL CEMENT STAIN AND EXCESS GROUT.

7. BASED ON THE PROJECT SURVEY BY MJ TOPO AND FIELD OBSERVATION, THE QUANTITY OF GRANITE PAVERS IN GOOD CONDITION TO BE REMOVED IS ESTIMATED TO BE:

1). IN THE MEDIAN BETWEEN BARRETTO ST. AND HUNTS POINT AVE.:
QTY. TO BE REMOVED: 24,220 SF
2). ALONG WESTERN SIDE OF LONGFELLOW AVE:
QTY. TO BE REMOVED: 650 SF

8. GRANITE PAVERS IN GOOD CONDITION TO BE SALVAGED AND RESTORED FOR REUSE ON SITE:

1). SITEWIDE:
QTY. TO BE SALVAGED AND RESTORED: 11,100 SF

9. GRANITE PAVERS ARE TO BE RESET PER UP-04, UP-05, UDE-03 AND UDE-04:

1). IN THE MEDIAN BETWEEN BARRETTO ST. AND HUNTS POINT AVE.:
QTY. TO BE RESET: 8,000 SF
2). ALONG WESTERN SIDE OF LONGFELLOW AVE:
QTY. TO BE RESET: 500 SF

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
LANDSCAPE PROTECTION NOTES

CONTRACT NUMBER D900055
DRAWING NO. LN-02
SHEET NO.

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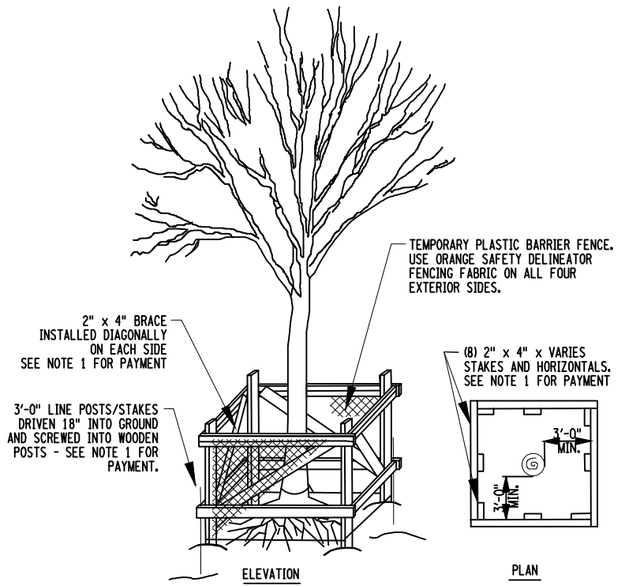
DESIGN SUPERVISOR S. NIELSEN | JOB MANAGER R. DEMARCO | DESIGN A. ARATO, S. GIMON | CHECK S. NIELSEN | DRAFTING S. GIMON, M. RICHMOND | CHECK N. MAEDA | PROJECT MANAGER A. ARATO
FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAN_002_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = sgimon

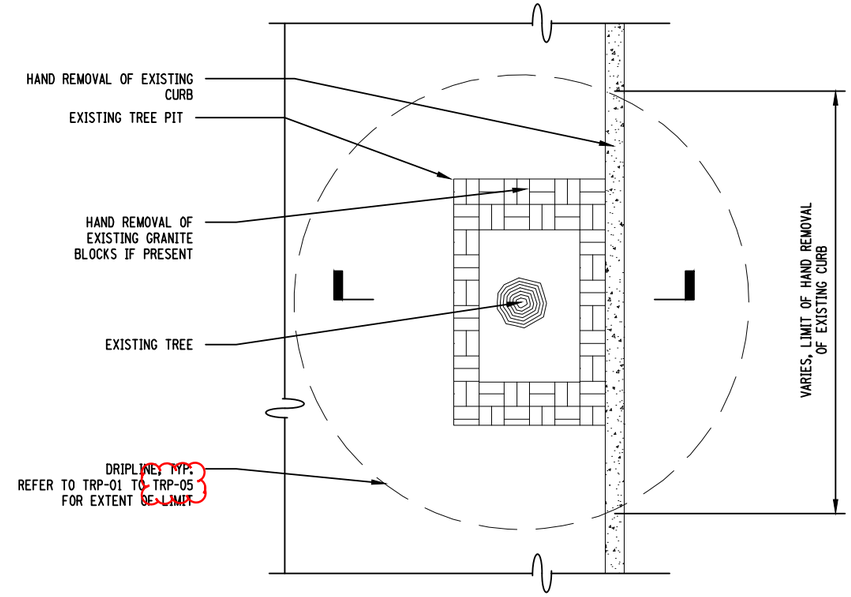


NOTE:

1. ALL WORK ON THIS DETAIL SHALL BE PAID FOR UNDER ITEM 615.33010011 NYCDPR TEMPORARY WOODEN TREE GUARD WITHOUT TREE WRAP UNLESS OTHERWISE NOTED.
2. DISTANCE OR LOCATIONS SHALL BE AS SHOWN ON PLANS. TREE GUARDS MAY ENCLOSE INDIVIDUAL TREES AND/OR GROUPS OF MULTIPLE TREES. EIC AND RLA SHALL VERIFIY IN FIELD.

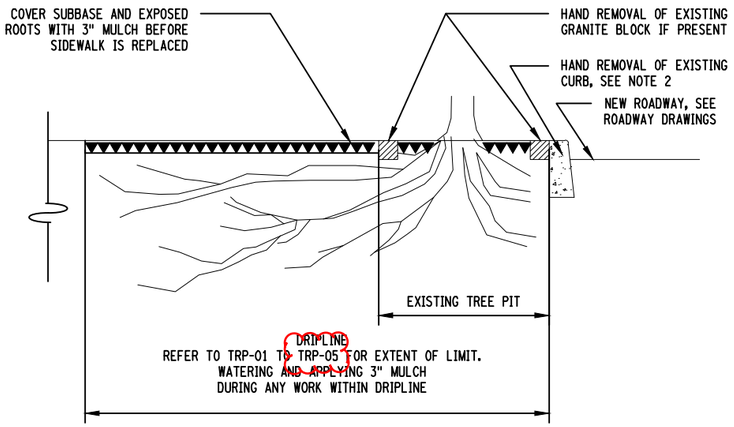
1 / TPD-01 TEMPORARY WOODEN TREE GUARD

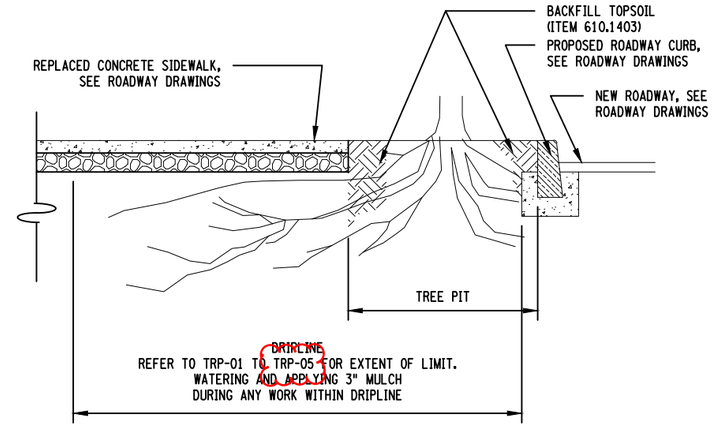
SCALE: NOT TO SCALE



NOTES:
1. NYC PARKS ARBORIST MUST SUPERVISE ALL WORK WITHIN THE DRIPLINE.
2. BEFORE HAND REMOVAL OF EXISTING CURB, EXPOSE AND PRUNE ROOTS AS REQUIRED BY NYC PARKS ARBORIST PER FIELD CONDITION.
3. ROOTS IN SUBBASE TO REMAIN INTACT WHEN SIDEWALK IS REPLACED.

NOTES:
1. CONTRACTOR SHALL WATER EXPOSED ROOTS AS DIRECTED BY THE NYC PARKS ARBORIST TO KEEP THE ROOTS WET UNTIL THE AREA IS BACKFILLED WITH TOPSOIL.
2. TO AVOID ROOT DAMAGE, HAND EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE NYC PARKS ARBORIST.
3. NYC PARKS ARBORIST MUST SUPERVISE ALL WORK WITHIN DRIPLINE.





2 / TPD-01 SPECIAL CARE REMOVAL OF EXISTING CURB ADJACENT TO TREE(S) - CASE NO. 6B

SCALE: 1/4" = 1'-0"

REVISIONS MADE

- Reference sheet numbers updated.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: THE BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED DIRECTIVE PLANS TREE PROTECTION DETAILS	CONTRACT NUMBER D900055 DRAWING NO. TPD-01 SHEET NO.

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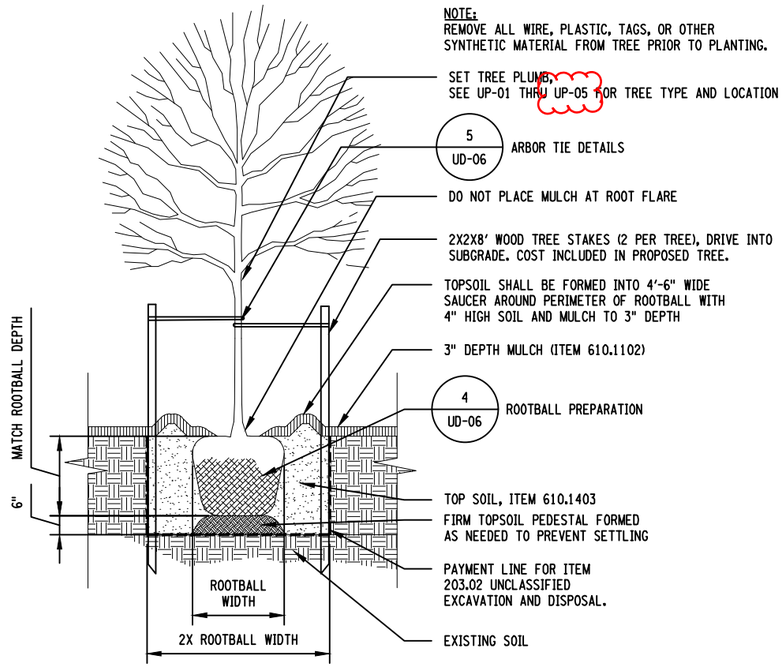
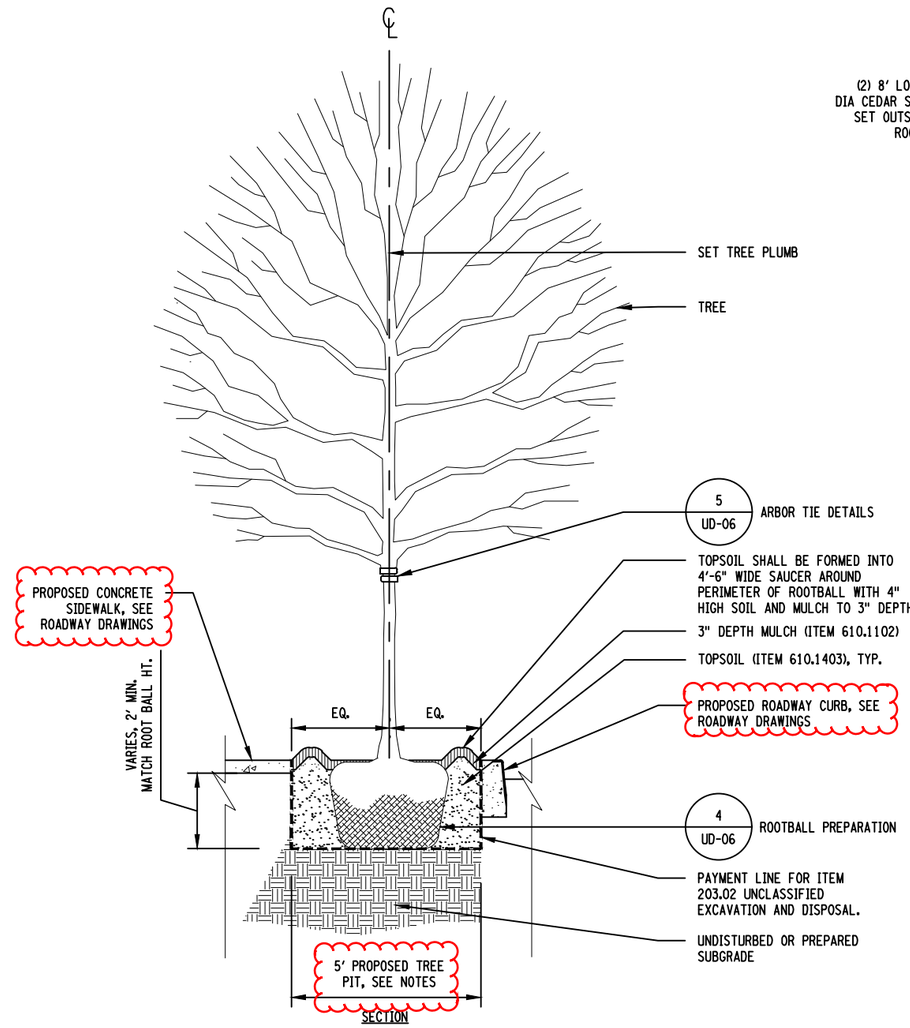
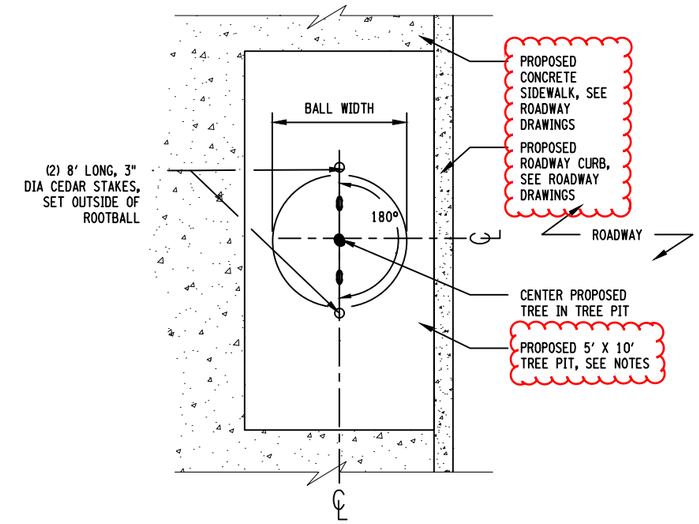
CHECK S. NIELSEN
DESIGN A. ARATO, S. GIMON
JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAD_001_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = mrichmond



1 UD-07 TREE PLANTING IN GROUND

SCALE: 1/4" = 1'-0"





NOTES:
1. PROPOSED TREE PIT SIZE SHALL BE 5' WIDE X 10' LONG, TYP. SEE UP-01 THRU UP-05 FOR LOCATIONS.
2. REMOVE ALL WIRE AND PLASTIC TAGS OR SYNTHETIC MATERIAL FROM TREE BRANCHES AND TRUNK PRIOR TO PLANTING.
3. TWO WOOD STAKES PER STREET TREE PIT - TYP.

2 UD-07 TREE PLANTING IN NEW 5' X 10' TREE PIT

SCALE: 1/4" = 1'-0"

REVISIONS MADE

- References to existing sidewalks, curbs and tree pits removed.
- Reference sheet numbers updated.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

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PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
URBAN DESIGN AND PLANTING DETAILS

CONTRACT NUMBER D900055

DRAWING NO. UD-07
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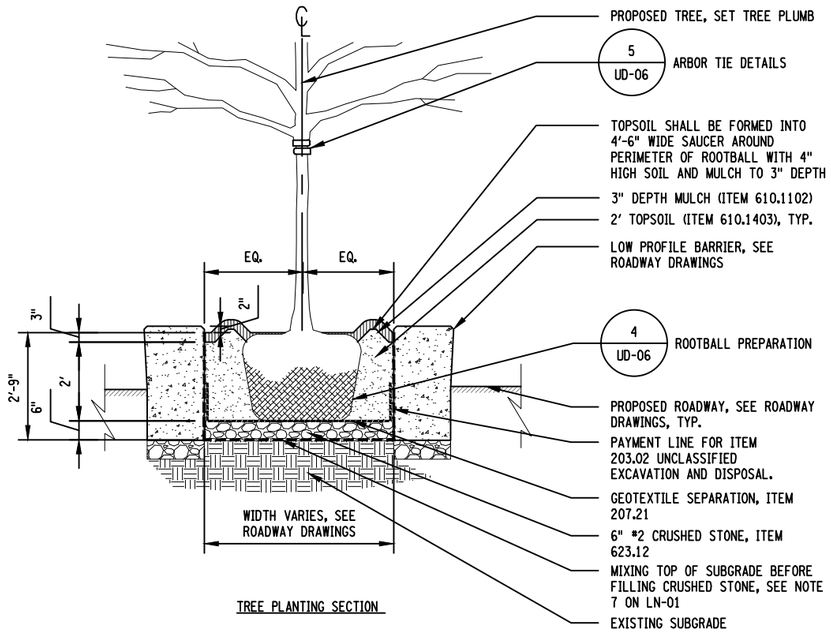
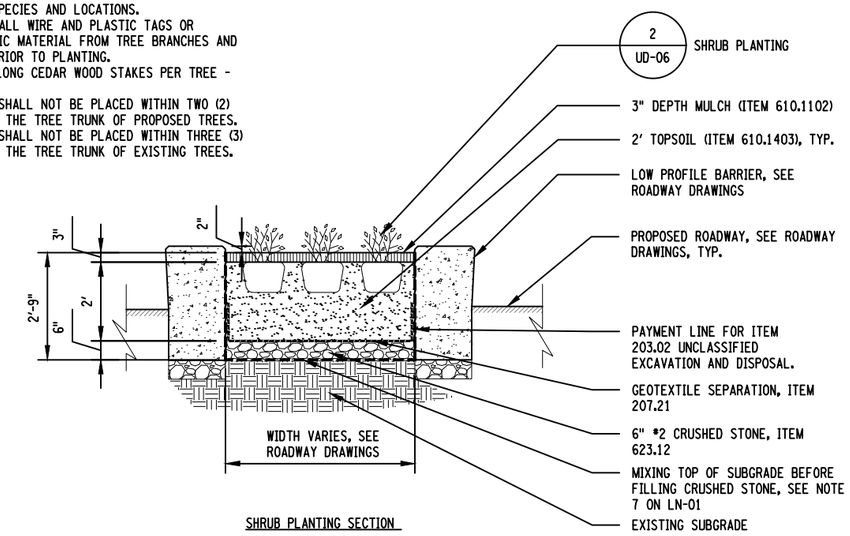
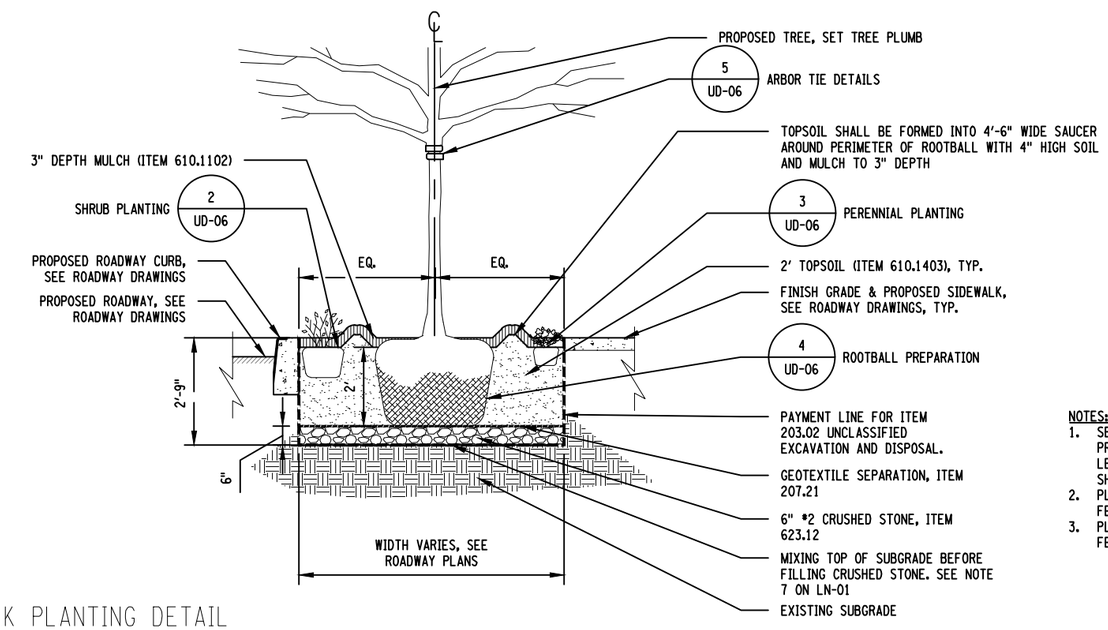
JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAD_207_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato



NOTES:
1. SEE UP-01 THRU UP-05 AND LPT-01 FOR PROPOSED TREE SPECIES AND LOCATIONS. SEE LEP-01 THRU LEP-09 AND LPT-01 FOR PROPOSED SHRUB SPECIES AND LOCATIONS.
2. REMOVE ALL WIRE AND PLASTIC TAGS OR SYNTHETIC MATERIAL FROM TREE BRANCHES AND TRUNK PRIOR TO PLANTING.
3. TWO 8' LONG CEDAR WOOD STAKES PER TREE - TYP.
4. PLANTS SHALL NOT BE PLACED WITHIN TWO (2) FEET OF THE TREE TRUNK OF PROPOSED TREES.
5. PLANTS SHALL NOT BE PLACED WITHIN THREE (3) FEET OF THE TREE TRUNK OF EXISTING TREES.



1 UD-08 MEDIAN PLANTING DETAIL
SCALE: 1/4" = 1'-0"



NOTES:
1. SEE UP-01 THRU UP-05 AND LPT-01 FOR PROPOSED TREE SPECIES AND LOCATIONS. SEE LEP-01 THRU LEP-09 AND LPT-01 FOR PROPOSED SHRUB AND PERENNIAL SPECIES AND LOCATIONS.
2. PLANTS SHALL NOT BE PLACED WITHIN TWO (2) FEET OF THE TREE TRUNK OF PROPOSED TREES.
3. PLANTS SHALL NOT BE PLACED WITHIN THREE (3) FEET OF THE TREE TRUNK OF EXISTING TREES.

2 UD-08 SIDEWALK PLANTING DETAIL
SCALE: 1/4" = 1'-0"

REVISIONS MADE

- Reference sheet numbers updated.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: THE BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED DIRECTIVE PLANS URBAN DESIGN AND PLANTING DETAILS	CONTRACT NUMBER D900055 DRAWING NO. UD-08 SHEET NO.

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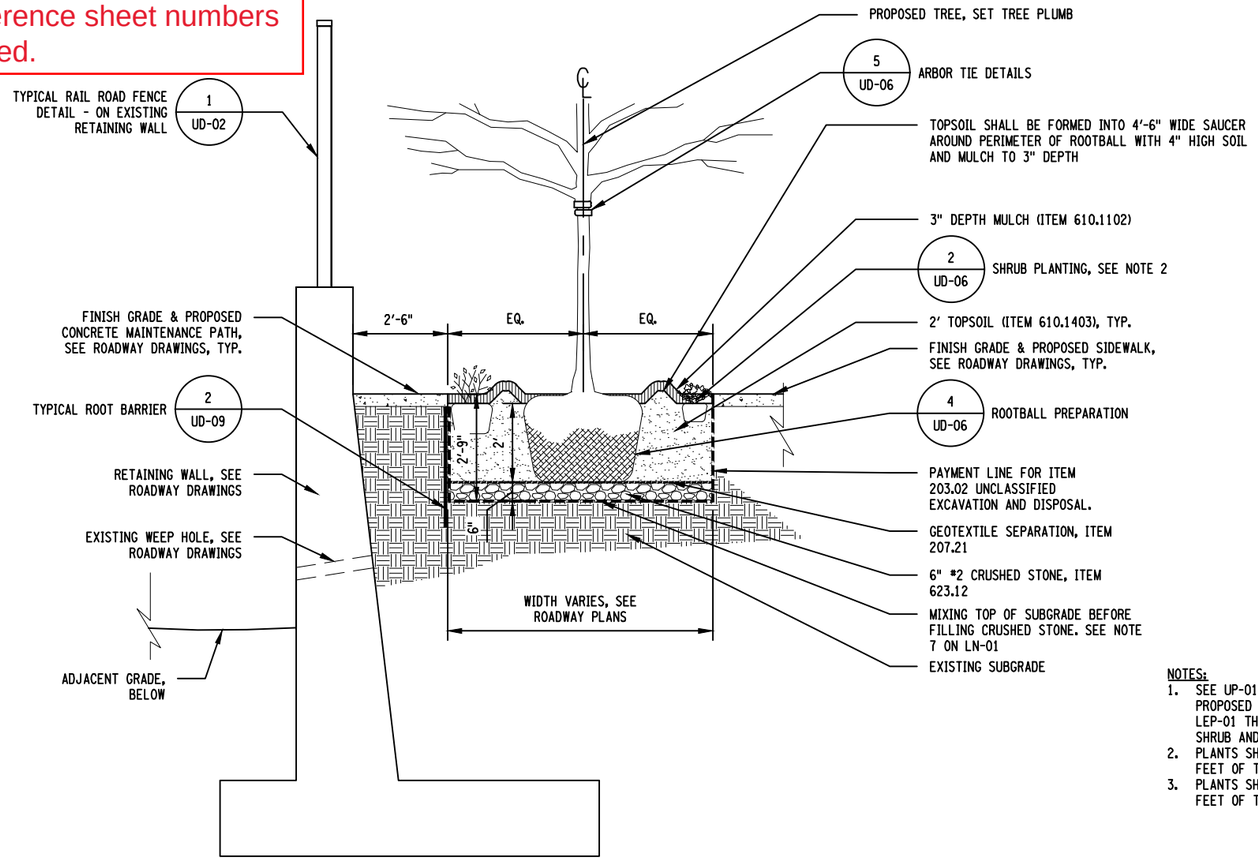
FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAD_208_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato

REVISIONS MADE

- Project titleblock corrected.
- Reference sheet numbers updated.

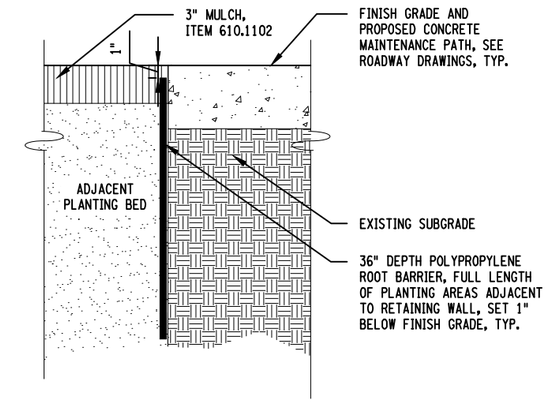


1 UD-09 TREE AND SHRUB PLANTING AT RETAINING WALL

SCALE: 1/4" = 1'-0"

NOTES:

1. SEE UP-01 THRU UP-05 AND LPT-01 FOR PROPOSED TREE SPECIES AND LOCATIONS. SEE LEP-01 THRU LEP-09 AND LPT-01 FOR PROPOSED SHRUB AND PERENNIAL SPECIES AND LOCATIONS.
2. PLANTS SHALL NOT BE PLACED WITHIN TWO (2) FEET OF THE TREE TRUNK OF PROPOSED TREES.
3. PLANTS SHALL NOT BE PLACED WITHIN THREE (3) FEET OF THE TREE TRUNK OF EXISTING TREES.



2 UD-09 TYPICAL ROOT BARRIER

SCALE: 1" = 1'-0"

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
URBAN DESIGN AND PLANTING DETAILS

CONTRACT NUMBER D900055

DRAWING NO. UD-09
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER A. ARATO
CHECK N. MAEDA
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CHECK S. NIELSEN
DESIGN A. ARATO, S. GIMON
JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAD_209_MNL.DWG
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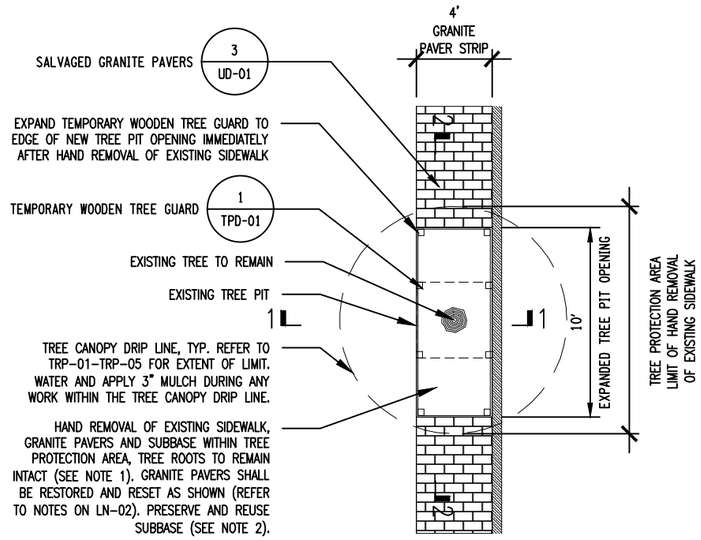
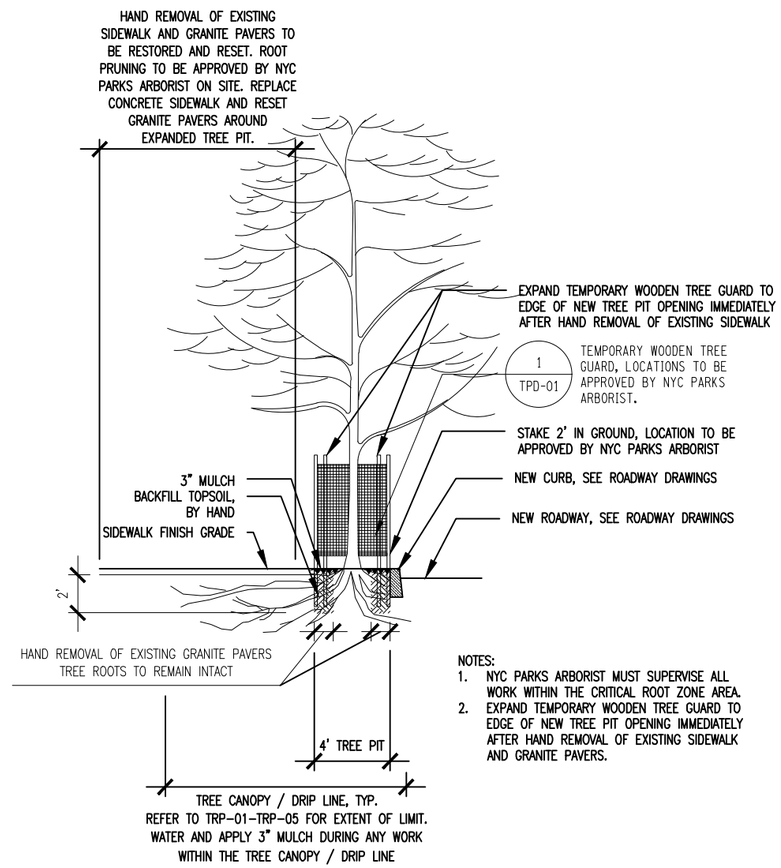
REVISIONS MADE

- New sheet.



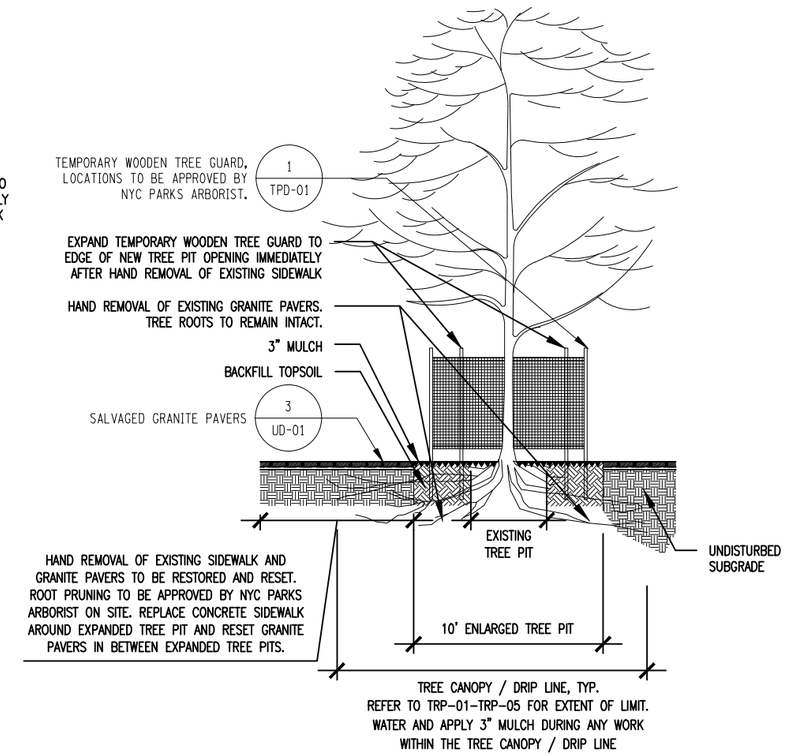
NOTES:
1. SOIL UNDER EXISTING SUBBASE WITHIN ENLARGED TREE PIT OPENING AREA SHALL BE REMOVED BY HAND OR BY PNEUMATIC EXCAVATION, AS DECIDED BY NYC PARKS ARBORIST.
2. IF NYC PARKS ARBORIST DETERMINES THAT SUBBASE IS FULL OF ROOTS, THEN SUBBASE SHALL NOT BE DISTURBED. REPLACE EXISTING SIDEWALK ON TOP OF EXISTING SUBBASE. IF NYC PARKS ARBORIST DETERMINES THAT SUBBASE IS NOT FULL OF ROOTS, THEN STRUCTURAL SOIL SHALL BE INSTALLED AFTER AREA IS EXCAVATED AS DESCRIBED IN PLAN AND SECTIONS.
3. SUBBASE IN PAVEMENT REPLACEMENT AREA MAY NOT BE RE-COMPACTED BEFORE NEW SIDEWALK IS POURED IF NYC PARKS ARBORIST DETERMINES THAT TREE ROOTS ARE PRESENT.
4. IF CONTRACTOR ENCOUNTERS ROOTS OVER 1" DIAMETER DURING THE EXCAVATION, WORK MUST BE STOPPED. THE NYC PARKS ARBORIST MUST REPORT TO RESIDENT ENGINEER.

PLAN



NOTES:
1. NYC PARKS ARBORIST MUST SUPERVISE ALL WORK WITHIN THE CRITICAL ROOT ZONE AREA.
2. EXPAND TEMPORARY WOODEN TREE GUARD TO EDGE OF NEW TREE PIT OPENING IMMEDIATELY AFTER HAND REMOVAL OF EXISTING SIDEWALK AND GRANITE PAVERS.

SECTION 1



SECTION 2

1 / UD-10 EXPANDED TREE PIT IN GRANITE PAVER STRIP - EXISTING TREE TO REMAIN

SCALE: 1/8" = 1'-0"

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
URBAN DESIGN AND PLANTING DETAILS

CONTRACT NUMBER D900055

DRAWING NO. UD-10
SHEET NO.

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CHECK S. NIELSEN
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JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
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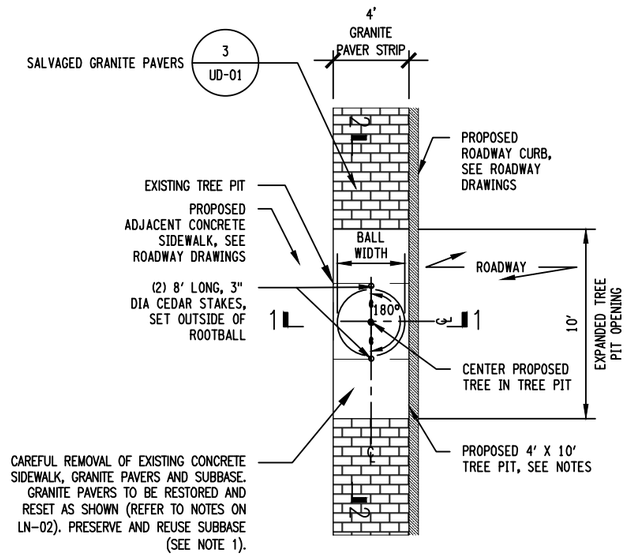
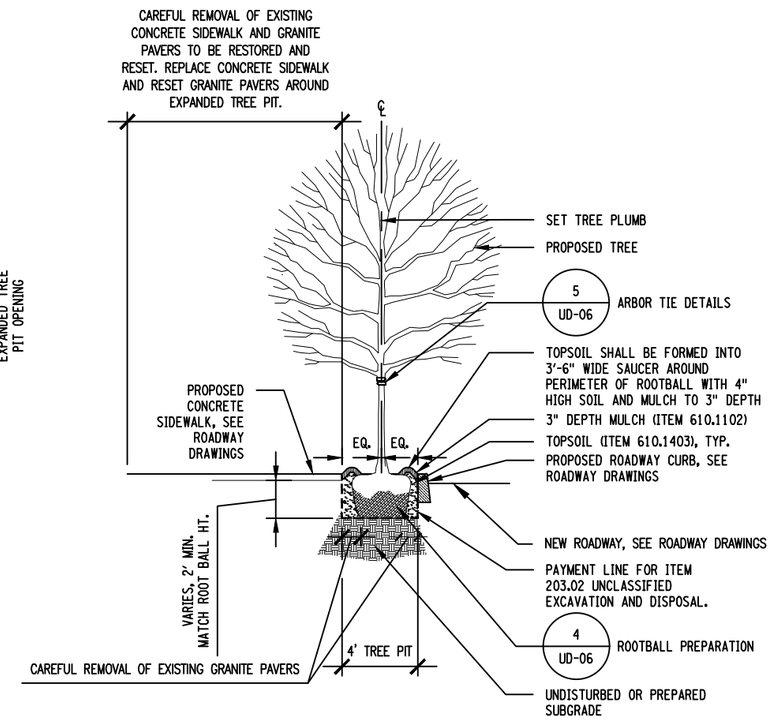
REVISIONS MADE

- New sheet.

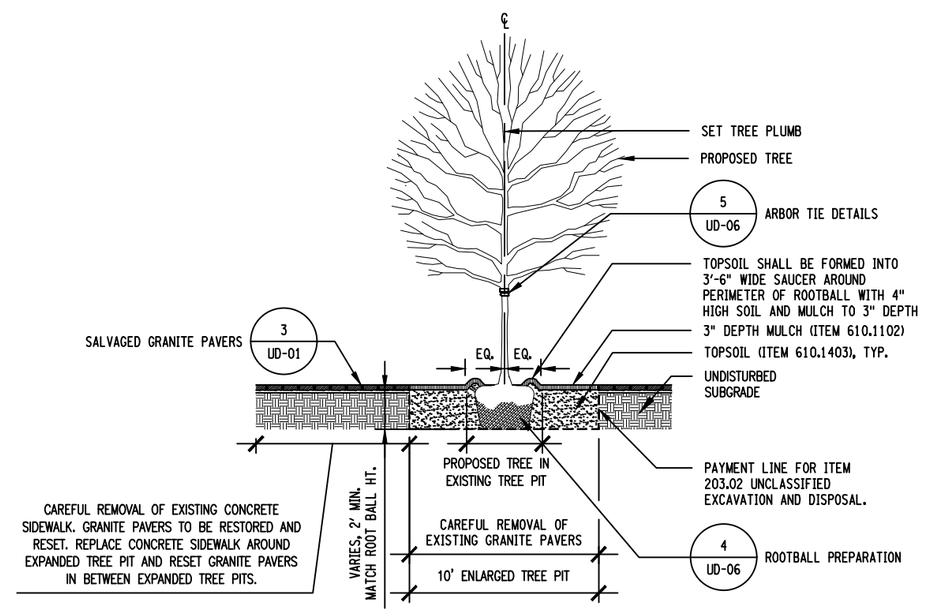


NOTES:
1. SEE UP-04 AND UP-05 FOR PROPOSED TREE SPECIES AND LOCATIONS.
2. REPLACE EXISTING CONCRETE SIDEWALK ON TOP OF EXISTING SUBBASE.
3. PROPOSED TREE PIT SIZE SHALL BE 4' WIDE X 10' LONG, TYP. SEE UP-04 AND UP-05 FOR LOCATIONS.
4. REMOVE ALL WIRE AND PLASTIC TAGS OR SYNTHETIC MATERIAL FROM TREE BRANCHES AND TRUNK PRIOR TO PLANTING.
5. TWO WOOD STAKES PER STREET TREE PIT - TYP.

PLAN



SECTION 1



SECTION 2

1 / UD-11 EXPANDED TREE PIT IN GRANITE PAVER STRIP - PROPOSED TREE PLANTING

SCALE: 1/8" = 1'-0"

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

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CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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URBAN DESIGN AND PLANTING DETAILS

CONTRACT NUMBER D900055

DRAWING NO. UD-11
SHEET NO.

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CHECK S. NIELSEN
DESIGN A. ARATO, S. GIMON
JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
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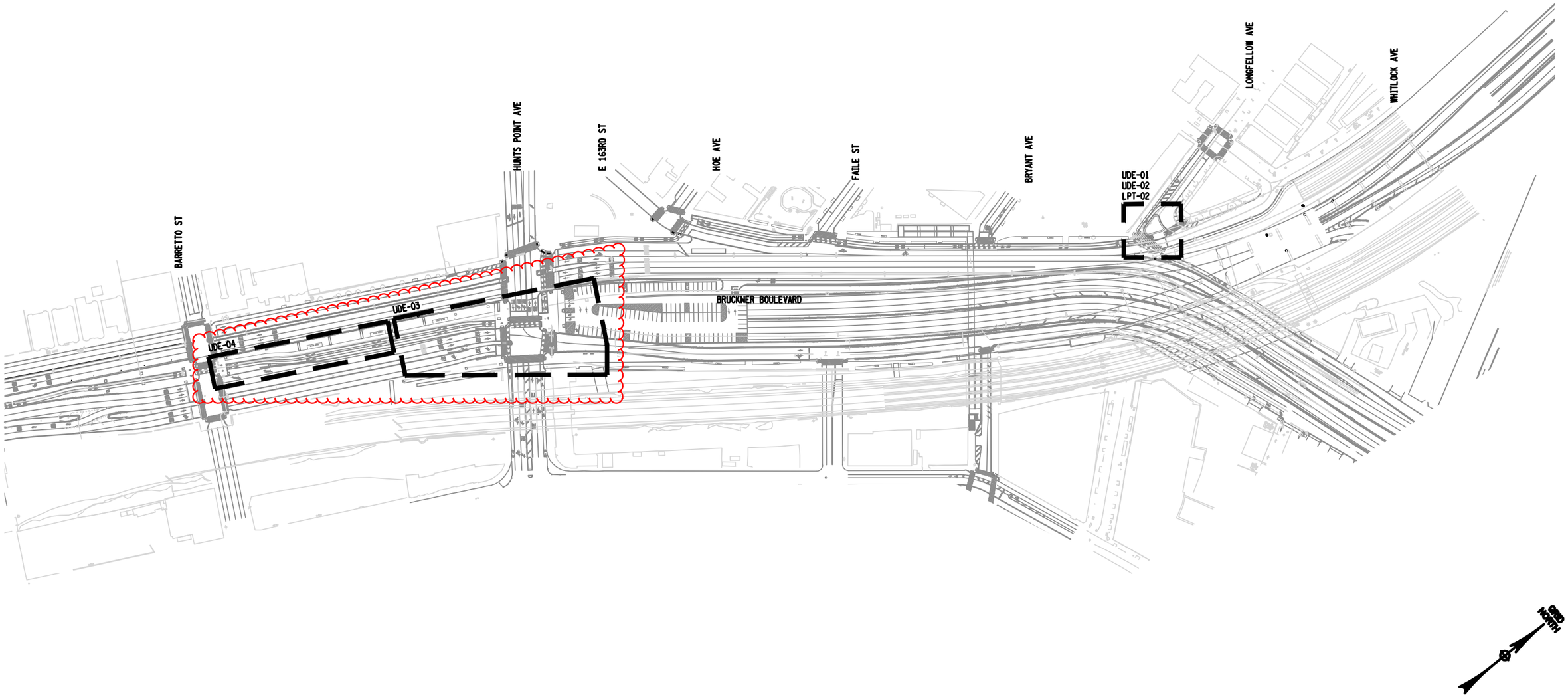
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = mrichmond

REVISIONS MADE

- Enlargement callouts added to Key Plan.



0 200' 400' 600'

1" = 200'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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PIN X731.65

BRIDGES

CULVERTS

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DIRECTIVE PLANS
LANDSCAPE ENLARGEMENT KEY PLAN

CONTRACT NUMBER D900055

DRAWING NO. LEK-01

SHEET NO.

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CHECK N. MAEDA
PROJECT MANAGER A. ARATO

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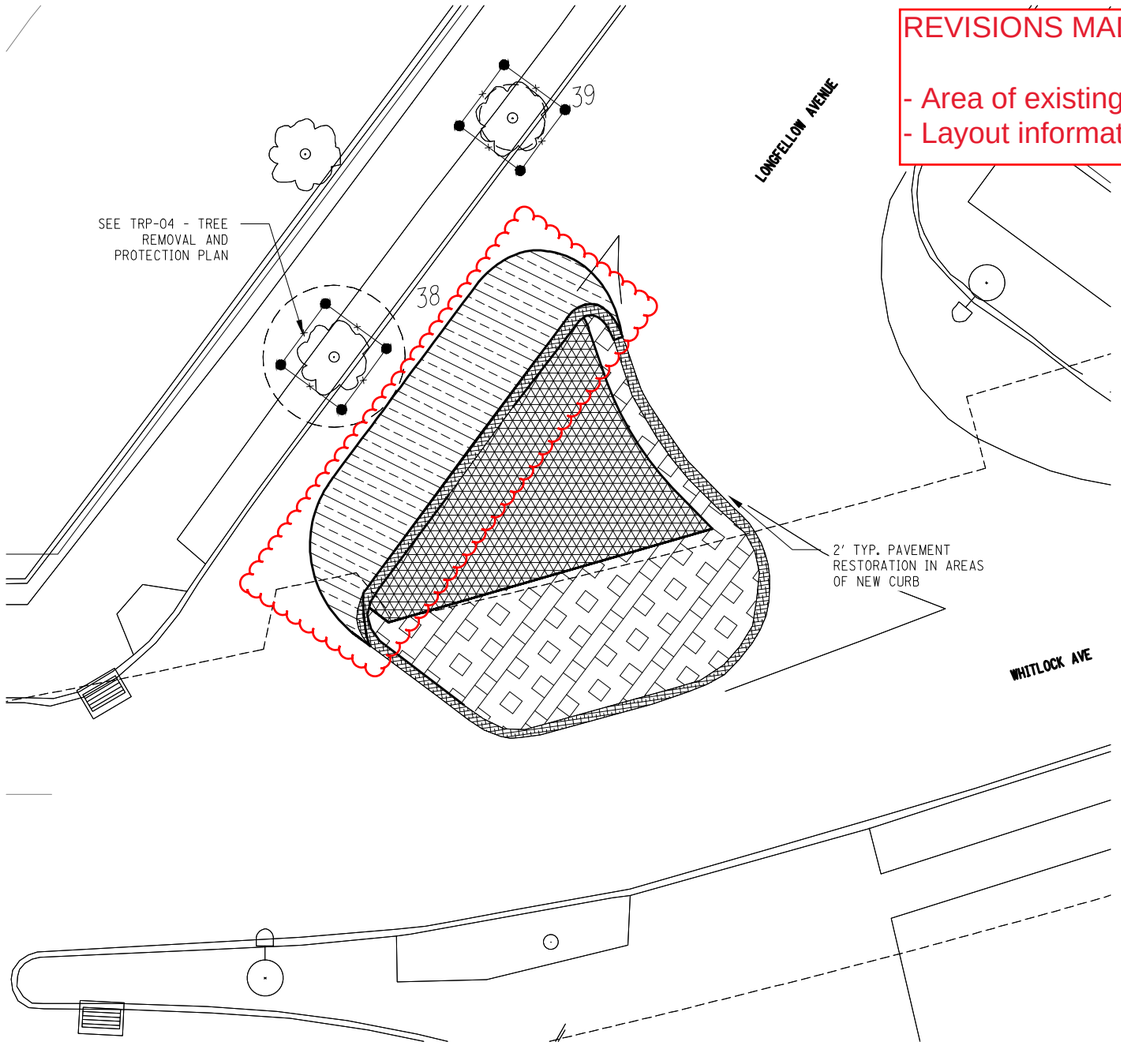
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = sgamon

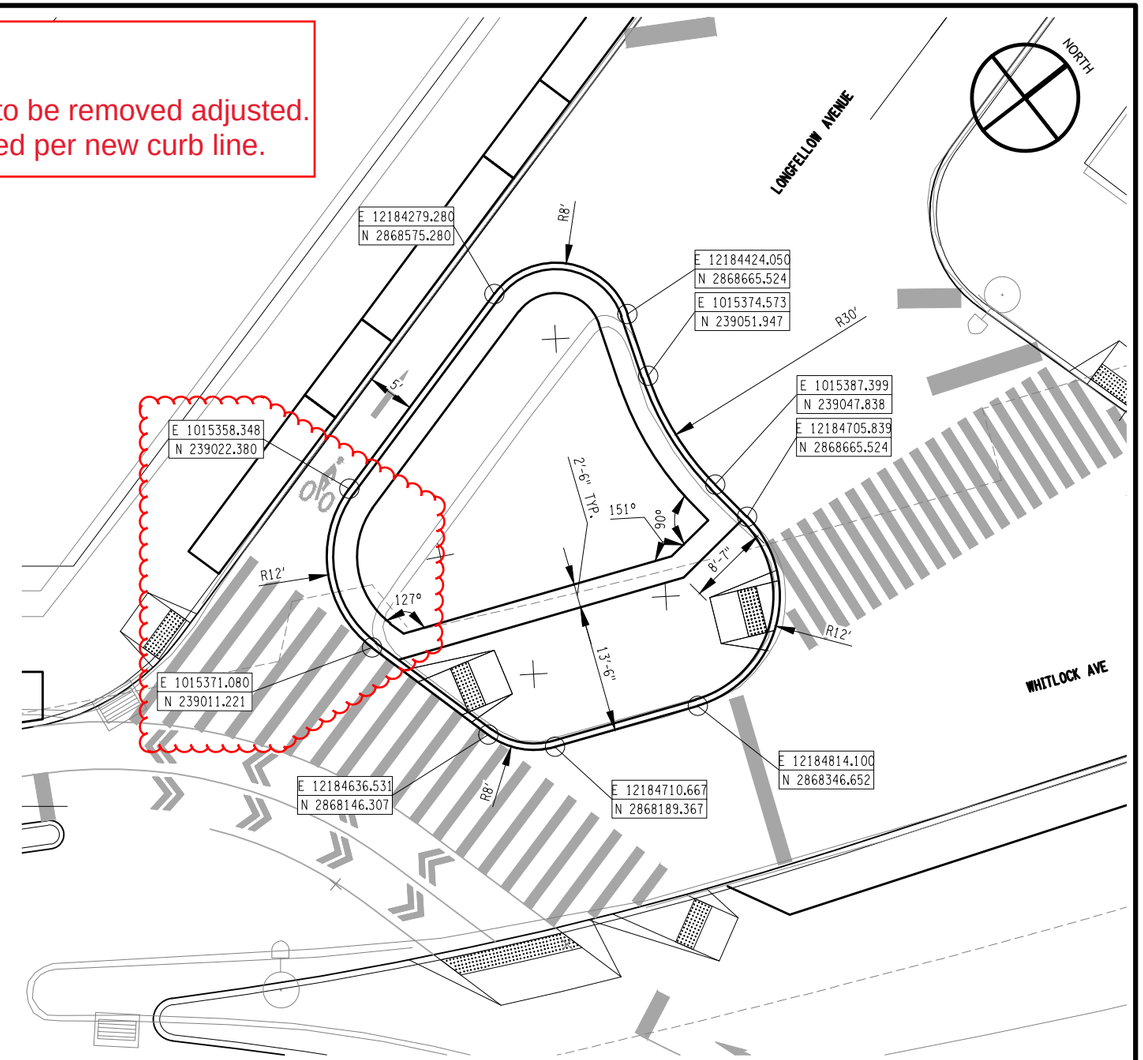
REVISIONS MADE

- Area of existing asphalt to be removed adjusted.
- Layout information revised per new curb line.



1 ISLAND REMOVAL AND TREE PROTECTION PLAN

SCALE: 1/16" = 1'



2 ISLAND LAYOUT PLAN

SCALE: 1/16" = 1'

0 4' 8' 12' 16' 32' 48'

1/16" = 1'-0"

LEGEND:

- TREE CANOPY DRIP LINE
- EXISTING TREE TO REMAIN
- TREE NUMBER (XX)
- EXISTING TREE TO REMAIN (N.I.C.)
- TEMPORARY TREE PROTECTION BARRIER FOR INDIVIDUAL TREE, SEE DETAIL 1/TPD-01
- EXISTING CURB TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- EXTENT OF BELOW-GRADE SUBWAY
- SOIL TO BE EXCAVATED TO 2' DEPTH
- SOIL TO BE EXCAVATED TO DEPTH OF PROPOSED PAVEMENT PROFILE. SEE UDE-02 FOR MATERIALS PLAN

NOTES:

1. SEE DRAWING NO. TRT-01 FOR TREE REMOVAL AND PROTECTION TABLE.
2. NYC PARKS ARBORIST SHALL BE ON SITE DURING TIME OF WORK TO SUPERVISE ALL WORK.
3. ANY EXCAVATION WITHIN DRIP LINE OF EXISTING TREE SHALL BE DONE BY HAND, OR PNEUMATIC EXCAVATION OR MICRO TUNNELING. TREE PROTECTION MEASURES TO REMAIN IN PLACE DURING DEMOLITION AND CONSTRUCTION. DO NOT CUT EXISTING TREE ROOTS LARGER THAN 1" DIA. WITHOUT THE PERMISSION THE ARBORIST. REFER TO SHEETS LN-01 & LN-02 FOR ADDITIONAL LANDSCAPE PROTECTION NOTES.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
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COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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DIRECTIVE PLANS
ISLAND REMOVAL,TREE PROTECTION AND LAYOUT PLAN

CONTRACT NUMBER D900055

DRAWING NO. UDE-01
SHEET NO.

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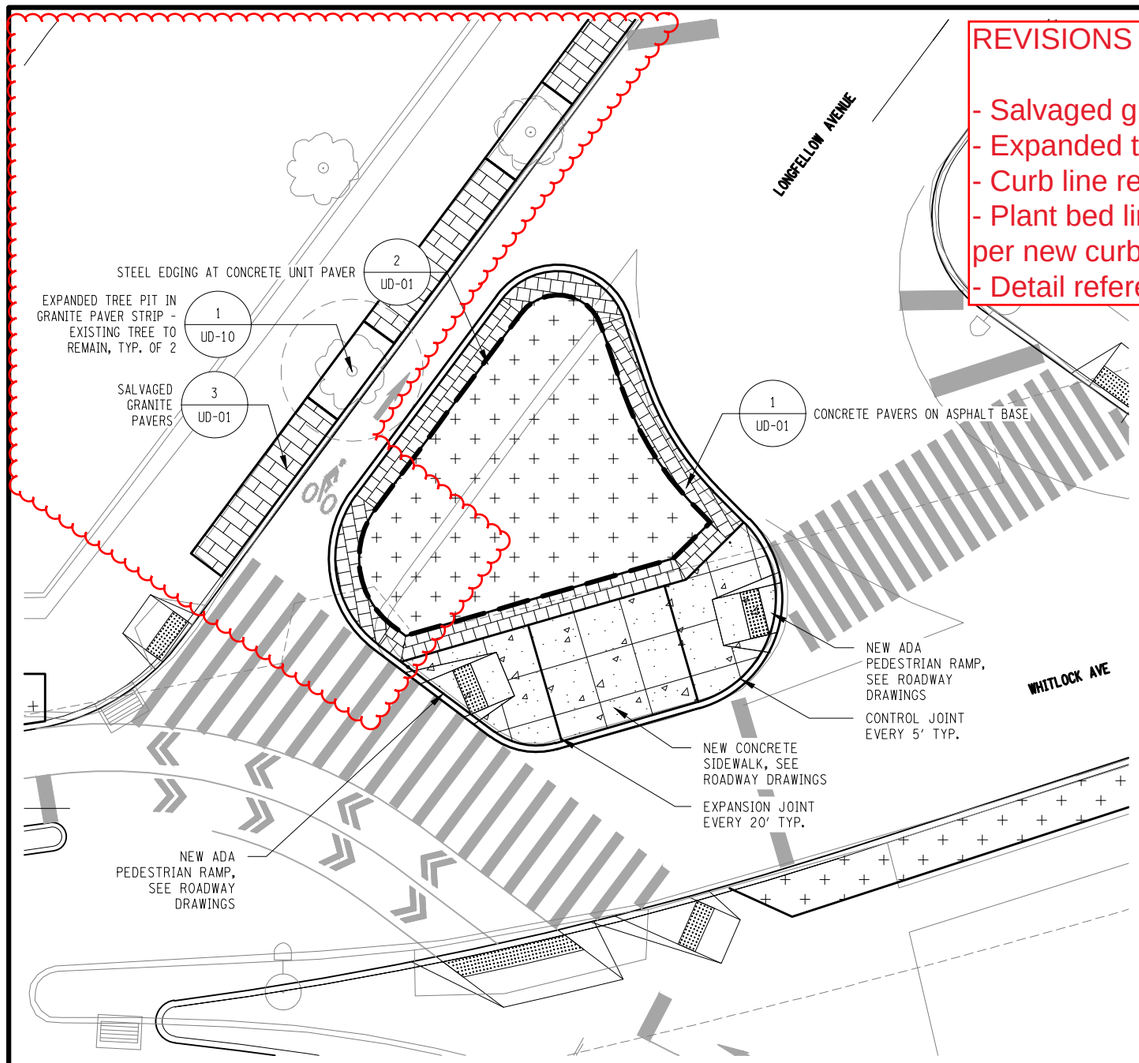
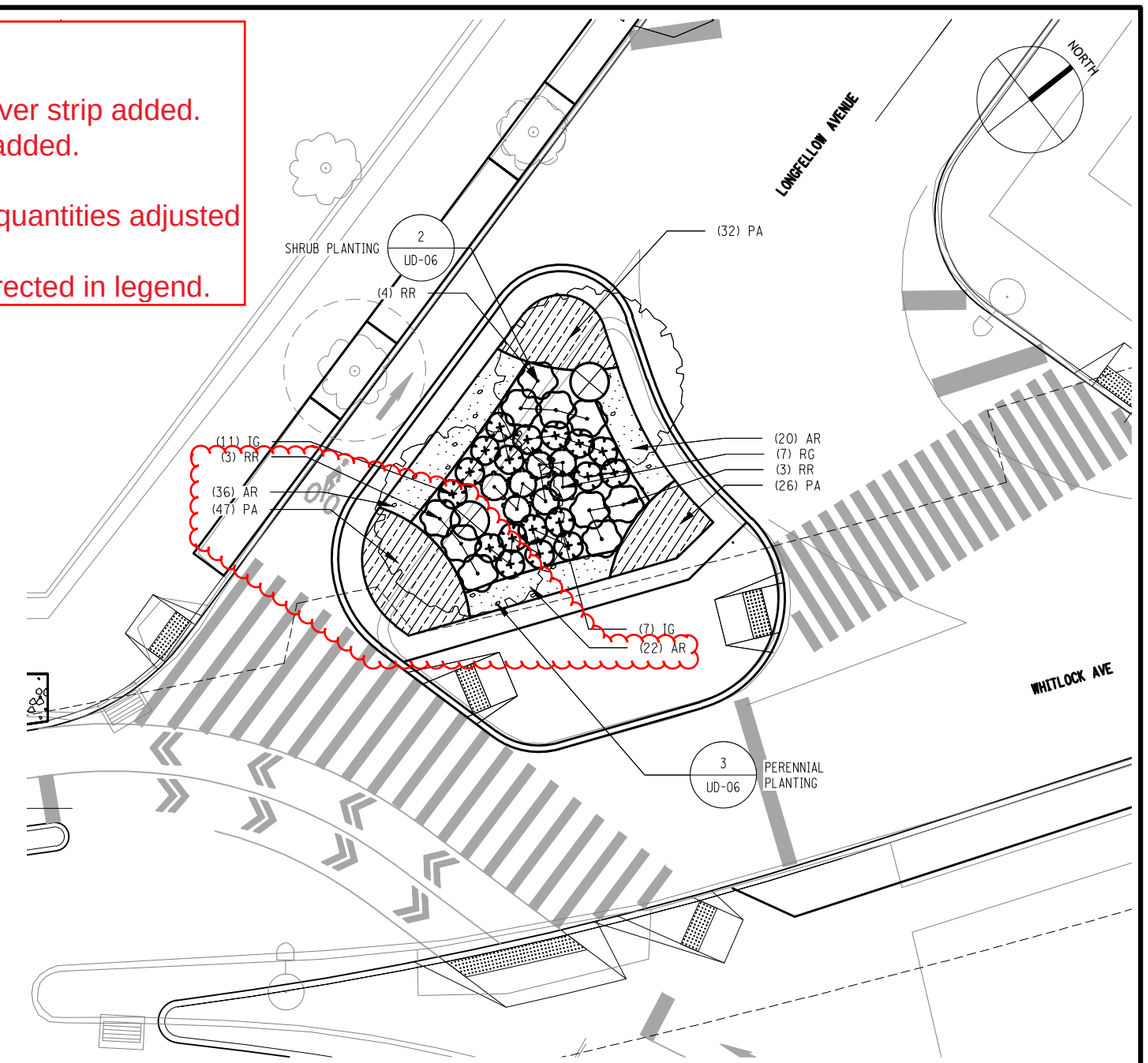
REVISIONS MADE

- Salvaged granite paver strip added.
- Expanded tree pits added.
- Curb line revised.
- Plant bed lines and quantities adjusted per new curb line.
- Detail reference corrected in legend.



1 ISLAND MATERIALS PLAN
SCALE: 1/16" = 1'



2 ISLAND PLANTING PLAN
SCALE: 1/16" = 1'

0 4' 8' 12' 16' 32' 48'

1/16" = 1'-0"

MATERIALS AND LAYOUT PLAN LEGEND:

- PROPOSED PLANTING AREA, SEE 2 ON UDE-02
- NEW CONCRETE PAVEMENT, SEE ROADWAY DRAWINGS
- STEEL EDGING
- EXTENT OF BELOW-GRADE SUBWAY
- 30" WIDE CONCRETE PAVER BAND, SEE 1/UD-01
- CALLOUT FOR DETAILS: DETAIL # / DRAWING #

PLANTING PLAN LEGEND:

- PROPOSED TREE, SYMBOL VARIES, SEE SHEET LPT-01 - PLANTING TABLE FOR PLANTING SCHEDULE
- EXISTING TREE TO REMAIN
- PROPOSED PERENNIALS AND GRASSES, HATCH VARIES, SEE LPT-02 - PLANTING TABLE ISLAND
- PROPOSED SHRUB, SYMBOL VARIES, SEE SHEET LPT-02 - PLANTING TABLE ISLAND FOR PLANTING SCHEDULE

NOTES:

1. SEE DRAWING LPT-02 FOR PLANTING SCHEDULE.
2. SEE DRAWING PN-01 FOR PLANTING NOTES.
3. ANY EXCAVATION WITHIN DRIP LINE OF EXISTING TREE SHALL BE DONE BY HAND, OR PNEUMATIC EXCAVATION OR MICRO TUNNELING. TREE PROTECTION MEASURES TO REMAIN IN PLACE DURING DEMOLITION AND CONSTRUCTION. DO NOT CUT EXISTING TREE ROOTS LARGER THAN 1" DIAMETER.
4. SEE NOTE 7 IN LN-01 FOR RESTORATION OF LANDSCAPE/TOP SOIL.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

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CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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ISLAND MATERIALS AND PLANTING PLAN

CONTRACT NUMBER D900055
DRAWING NO. UDE-02
SHEET NO.

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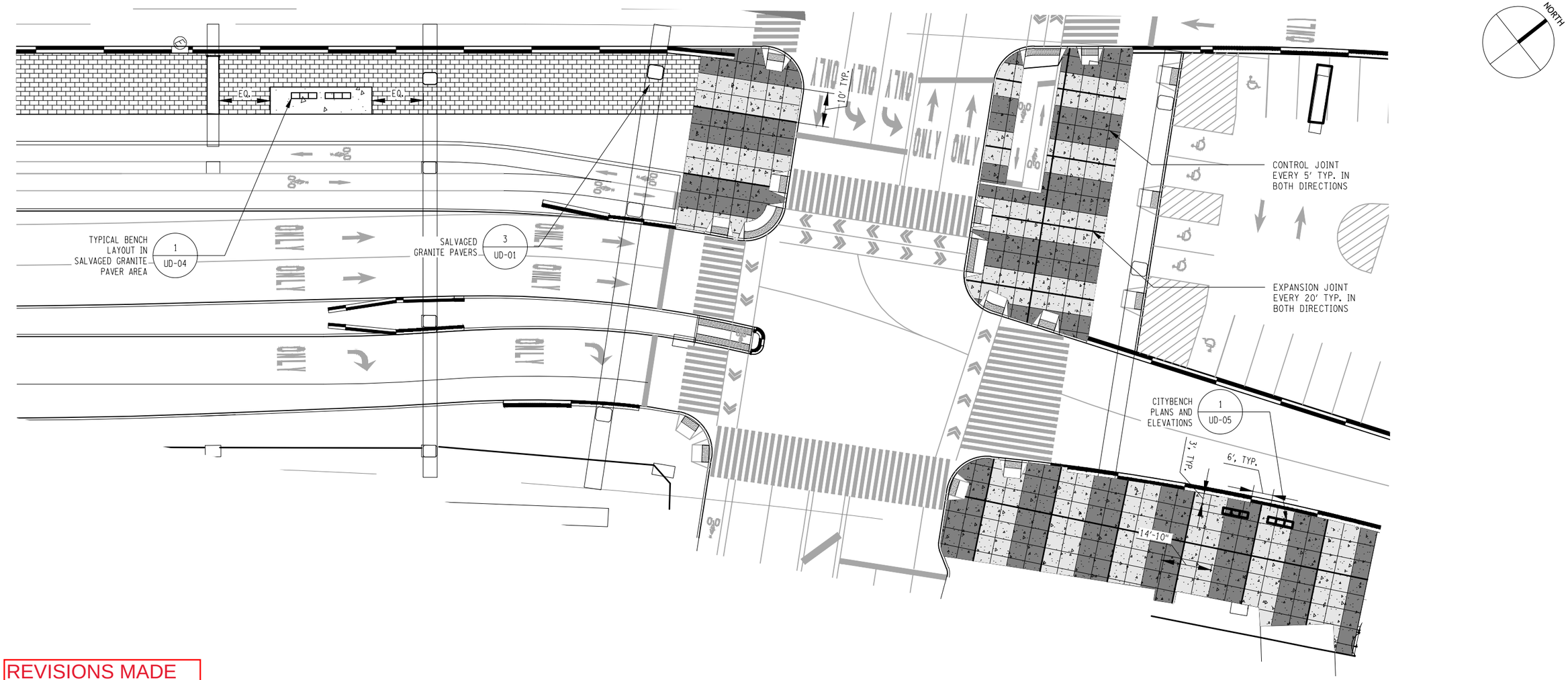

REVISIONS MADE

- New sheet.

0 30' 60' 90'

1" = 30'

LEGEND:

- ----EXTENT OF OVERHEAD STRUCTURE
- ------EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
- PROPOSED TREE, SYMBOL VARIES, SEE SHEET LPT-01 - PLANTING TABLE FOR PLANTING SCHEDULE
- PROPOSED TREE IN NEW TREE PIT
- SALVAGED GRANITE PAVERS, SEE "REUSE AND RESET GRANITE PAVERS" NOTES ON LN-02
- PIGMENTED CONCRETE PAVEMENT (COLOR AMS-STD 17773)
- PIGMENTED CONCRETE PAVEMENT (COLOR AMS-STD 16251)
- PROPOSED PLANTING AREA, SEE DRAWINGS LEP 01-11 FOR PLANTING PLANS
- PROPOSED ROADWAY BARRIER, SEE ROADWAY DWGS.

NOTES:

1. SEE LN-02 FOR GRANITE PAVER REMOVAL AND RESETTING REQUIREMENTS.
2. THERE SHALL BE NO SAW CUTTING OF PAVEMENT NEAR CON ED OIL-O-STATIC LINES.
3. FOR SIDEWALKS, BIKE LANE AND ROADWAY, SEE ROADWAY DRAWINGS.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

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DIRECTIVE PLANS
HUNTS POINT AVE MATERIALS AND LAYOUT PLAN

CONTRACT NUMBER D900055
DRAWING NO. UDE-03
SHEET NO.

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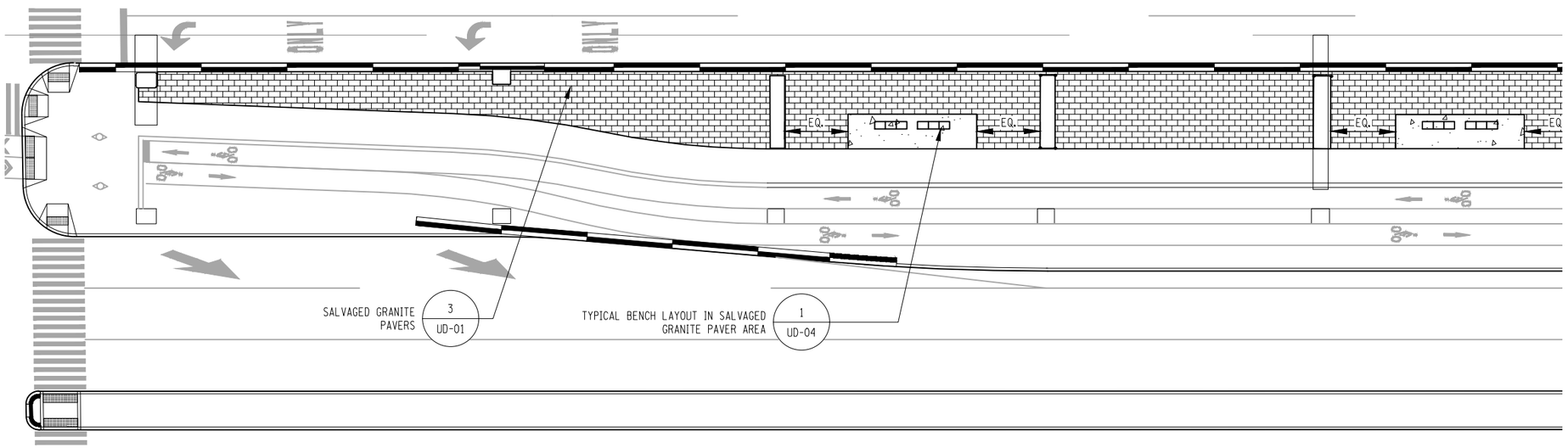

REVISIONS MADE

- New sheet.

0 30' 60' 90'

1" = 30'

LEGEND:

- ----EXTENT OF OVERHEAD STRUCTURE
- ------EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
- PROPOSED TREE, SYMBOL VARIES, SEE SHEET LPT-01 - PLANTING TABLE FOR PLANTING SCHEDULE
- PROPOSED TREE IN NEW TREE PIT
- SALVAGED GRANITE PAVERS, SEE "REUSE AND RESET GRANITE PAVERS" NOTES ON LN-02
- PIGMENTED CONCRETE PAVEMENT (COLOR AMS-STD 17773)
- PIGMENTED CONCRETE PAVEMENT (COLOR AMS-STD 16251)
- PROPOSED PLANTING AREA, SEE DRAWINGS LEP 01-11 FOR PLANTING PLANS
- PROPOSED ROADWAY BARRIER, SEE ROADWAY DWGS.

NOTES:

1. SEE LN-02 FOR GRANITE PAVER REMOVAL AND RESETTING REQUIREMENTS.
2. THERE SHALL BE NO SAW CUTTING OF PAVEMENT NEAR CON ED OIL-O-STATIC LINES.
3. FOR SIDEWALKS, BIKE LANE AND ROADWAY, SEE ROADWAY DRAWINGS.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
BARRETTO ST MATERIALS AND LAYOUT PLAN

CONTRACT NUMBER
D900055

DRAWING NO. UDE-04
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER A. ARATO
CHECK N. MAEDA
DRAFTING S. GIMON, M. RICHMOND
CHECK S. NIELSEN
DESIGN A. ARATO, S. GIMON
JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAP_304_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato

PLANT SCHEDULE ISLAND

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS	Item #	Item 610.0701 Mychhorhizal Fungi	Item 610.08 Moisture Ret. Additive	Item 610.19 Water Veg.	POST PLANTING CARE WITH REPLACEMENT		
													Item 611.19040024	Item 611.19050024	Item 611.19070024
	IG	18	ILEX GLABRA `SHAMROCK`	SHAMROCK INKBERRY HOLLY	18" - 24" HT	#3 CONT.	AS SHOWN		611.044x	3.24LB	3.65LB	6.84MGAL		18 EA	
	RG	7	RHUS AROMATICA `GRO-LOW` (SMALL)	GRO-LOW FRAGRANT SUMAC	18" - 24" HT	#2 CONT.	AS SHOWN		611.044x	0.63LB	2.55LB	1.60MGAL	7 EA		
	RR	10	ROSA X `RADRAZZ` TM	KNOCK OUT SHRUB ROSE	18" - 24" HT	#3 CONT.	AS SHOWN		611.044x	0.90LB	3.64LB	2.28MGAL	10 EA		
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS							
	AR	78	ASTER OBLONGIFOLIUS `RAYDON`S FAVORITE`	RAYDON`S FAVORITE FALL ASTER	-	#2 CONT.	18 O.C.		611.075x	3.43LB	51.56LB	8.89MGAL			78 EA
	PA	105	PENNISETUM ALOPECUROIDES `LITTLE BUNNY`	LITTLE BUNNY FOUNTAIN GRASS	-	#3 CONT.	18 O.C.		611.075x	4.62LB	69.41LB	11.97MGAL			105 EA
								TOTAL					17	18	183

REVISIONS MADE

- Plant quantities updated per revised curb line.
- Table quantities updated per revised plant quantities.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

DIRECTIVE PLANS
PLANTING TABLE ISLAND

CONTRACT NUMBER
D900055

DRAWING NO. LPT-02
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAT_002_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato

DESIGN SUPERVISOR S. NIELSEN | JOB MANAGER R. DEMARCO | DESIGN A. ARATO, S. GIMON | CHECK S. NIELSEN | DRAFTING S. GIMON, M. RICHMOND | CHECK N. MAEDA | PROJECT MANAGER A. ARATO

Revisions Made:
- Index updated through Addendum 8

PART 6 FINAL RFP:

Indicative:		Sheet #	Drawing Name:
Cover Sheet		67	COV-2
Index of Drawings		68	IND-2
Abbreviations		69	ABB-1
Legends		70	LEG-1
		71	LEG-2
Typical Sections		72	TYP-1
		73	TYP-2
		74	TYP-3
		75	TYP-4
		76	TYP-5
		77	TYP-6
		78	TYP-7
		79	TYP-8
		80	TYP-9
		81	TYP-10
		82	TYP-11
		83	TYP-12
		84	TYP-13
		85	TYP-14
		86	TYP-15
		87	TYP-16
		88	TYP-17
Staging Key Plan		89	WZTC-KEY-1
Staging Plans	Pre-Stage At-Grade	90	WZTC-R0-01
		91	WZTC-R0-02
		92	WZTC-R0-03
	Stage 1 Bridge	93	WZTC-B1-01
		94	WZTC-B1-02
		95	WZTC-B1-03
	Stage 1-1 At-Grade	96	WZTC-R1-11
		97	WZTC-R1-12
		98	WZTC-R1-13
	Stage 1-2 At-Grade	99	WZTC-R1-21
		100	WZTC-R1-22
		101	WZTC-R1-23
	Stage 1-3 Bridge	102	WZTC-B1-31
		103	WZTC-B1-32
		104	WZTC-B1-33
	Stage 2 Bridge	105	WZTC-B2-01
		106	WZTC-B2-02
		107	WZTC-B2-03
	Stage 2 At-Grade	108	WZTC-R2-01
		109	WZTC-R2-02
		110	WZTC-R2-03
	Stage 2-1 At-Grade	111	WZTC-R2-11
		112	WZTC-R2-12
	Stage 2-2 At-Grade	113	WZTC-R2-21
		114	WZTC-R2-22
		115	WZTC-R2-23
Detour Plans		116	WZTC-DTR-1
		117	WZTC-DTR-2
		118	WZTC-DTR-3
Staging Sections	Bent 139	119	WZXS-1-1
		120	WZXS-1-2
		121	WZXS-1-3
	Bent 144	122	WZXS-2-1
		123	WZXS-2-2
		124	WZXS-2-3
		125	WZXS-2-4
	Bent 150	126	WZXS-3-1
		127	WZXS-3-2
		128	WZXS-3-3
		129	WZXS-3-4
	Bent 157	130	WZXS-4-1
		131	WZXS-4-2
		132	WZXS-4-3
		133	WZXS-4-4

Indicative:	Sheet #	Drawing Name:
Key Plan	134	KP-1
Advance Signage Plan	135	SP-01
General Plans	136	GP-1
	137	GP-2
	138	GP-3
	139	GP-4
	140	GP-5
	141	GP-6
	142	GP-7
	143	GP-8
	144	GP-9
	145	GP-10
Profiles	146	PRO-1
	147	PRO-2
	148	PRO-3
	149	PRO-4
	150	PRO-5
	151	PRO-6
	152	PRO-7
	153	PRO-8
	154	PRO-9
	155	PRO-10
	156	PRO-11
	157	PRO-12
Urban Design & Landscaping	158	LN-00
	159	TRP-01
	160	TRP-02
	161	TRP-03
	162	TRP-04
	163	TRP-05
	164	TRT-01
	165	TRT-02
	166	UP-01
	167	UP-02
	168	UP-03
	169	UP-04
	170	UP-05
	171	LKP-01
	172	LEP-01
	173	LEP-02
	174	LEP-03
	175	LEP-04
	176	LEP-05
	177	LEP-06
	178	LEP-07
	179	LEP-08
	180	LEP-09
	181	LEP-23
	182	LEP-24
	183	LEP-25
	184	LEP-26
	185	LEP-27
	186	LEP-28
	187	LEP-29
	188	LPT-01
	189	USD-01
	190	USD-02
ITS Sheets	191	UTI-1
	192	UTI-2
	193	UTI-3
	194	UTI-4
	195	UTI-5
	196	UTI-6
	197	UTI-7

Indicative:	Sheet #	Drawing Name:
Retaining Wall Key Plan and Elevations	198	RWP-01
	199	RWP-02
	200	RWP-03
	201	RWP-04
	202	RWP-05
	203	RWP-06
	204	RWP-07
	205	RWP-08
Proposed Retaining Wall Plan and Profile	206	RWA-01
Railroad Retaining Wall Typical Sections	207	RWS-01
	208	RWS-02
	209	RWS-03
Temp Bridge Plan & Elevation Sheet	210	TB-1
	211	TB-2
Temp Bridge Typical Section	212	TB-3
Temp Bridge Profile Sheet	213	TB-4
	214	TB-5
Elevation Plans	215	EL-1
	216	EL-2
	217	EL-3
Framing Plans	218	FP-1
	219	FP-2
	220	FP-3
	221	FP-4
	222	FP-5
	223	FP-6
	224	FP-7
	225	FP-8
	226	FP-9
	227	FP-10
Detail Sheets - Modular Joint Detail	228	DET-5
Detail Sheets - Scupper Details	229	DET-6
Pedestrian Bridge Sheets	230	PB-1
	231	PB-2
Steel Repair Details	232	SR-04
Concrete Repair Details	233	CON-05
	234	CON-06

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_CPH_IND_002-AECOM.dgn [
DATE/TIME = Friday, March 04, 2022 02:16:08 PM
USER = uma.lakshman

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
INDEX OF DRAWINGS

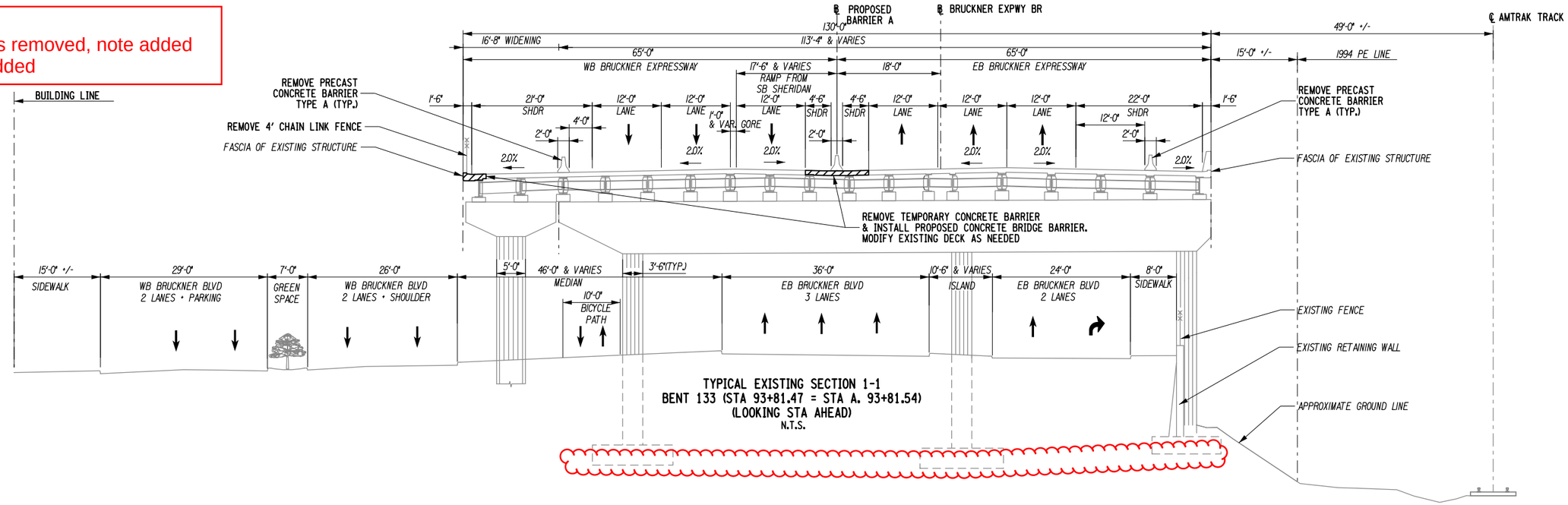
CONTRACT NUMBER
D900055

DRAWING NO. IND-2
SHEET NO.

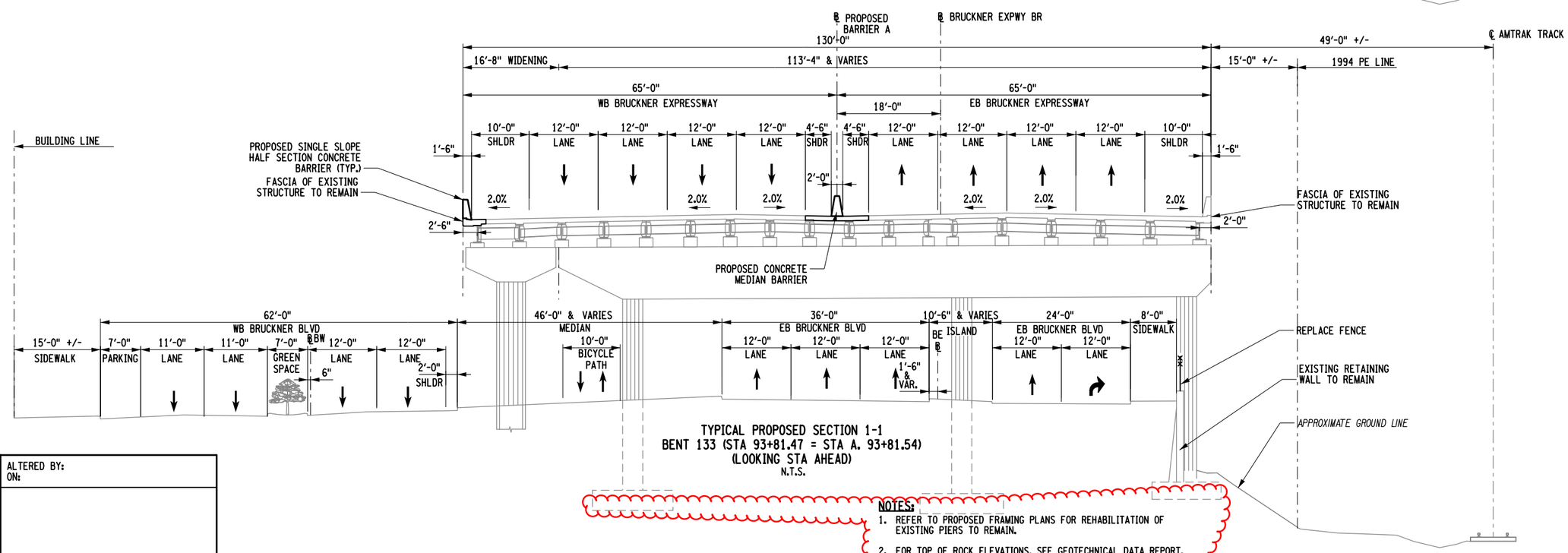
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

Revisions:
- Top of rock elevations removed, note added
- Rehabilitation note added



TYPICAL EXISTING SECTION 1-1
BENT 133 (STA 93+81.47 = STA A. 93+81.54)
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 1-1
BENT 133 (STA 93+81.47 = STA A. 93+81.54)
(LOOKING STA AHEAD)
N.T.S.

NOTES:
1. REFER TO PROPOSED FRAMING PLANS FOR REHABILITATION OF EXISTING PIERS TO REMAIN.
2. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 1-1

CONTRACT NUMBER D900055
DRAWING NO. TYP-01
SHEET NO.

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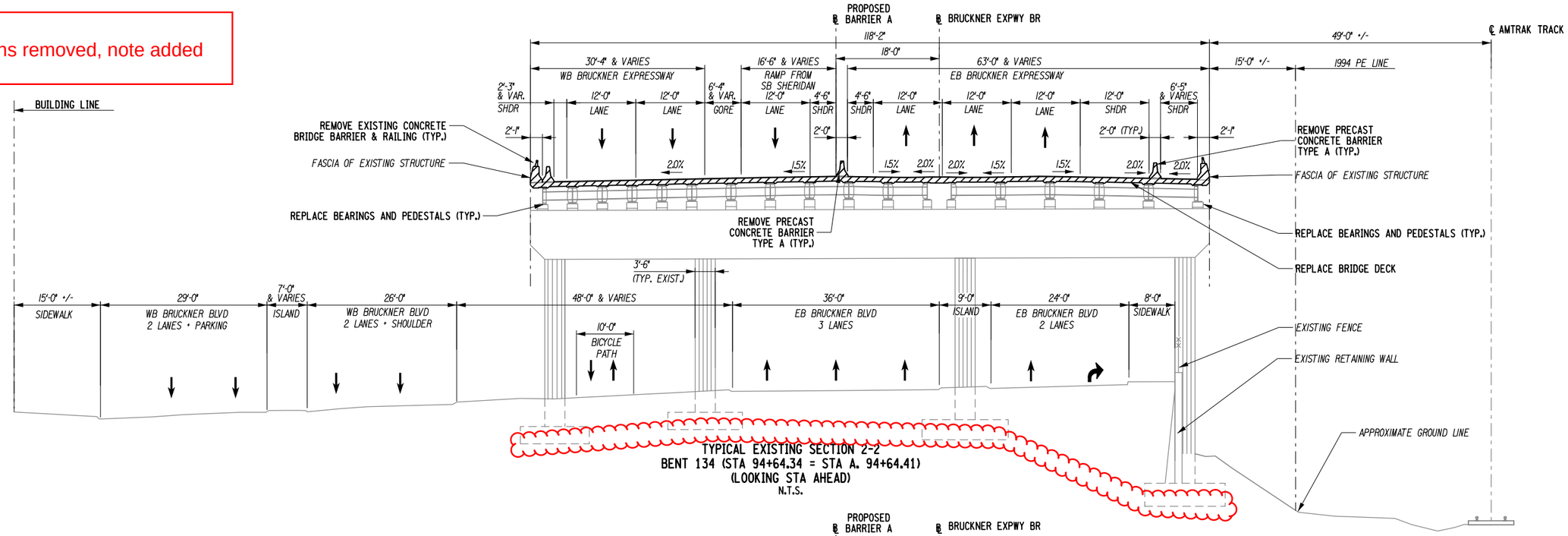
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

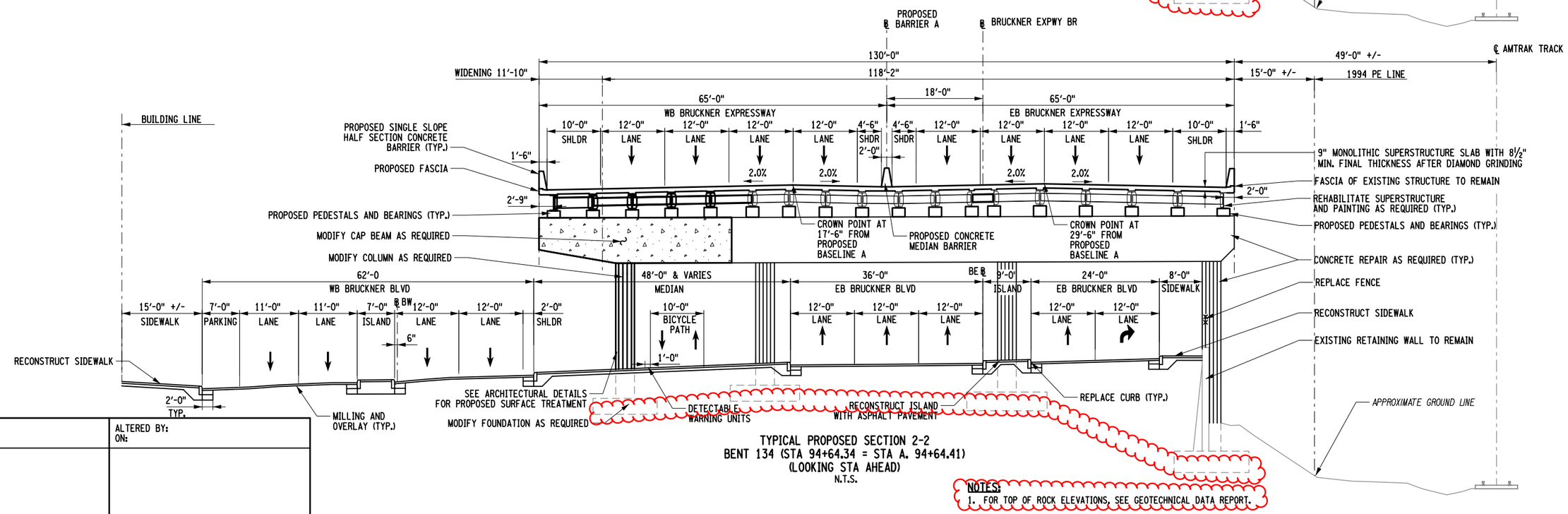
DESIGN SUPERVISOR ET | JOB MANAGER NB | DESIGN Designed By | CHECK Designed By | DRAFTING D³afted By | CHECK D³afting C ecked By | PROJECT MANAGER

FILE NAME = pw:/../../../../XI731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/XI3165_CPH_XCS_R01-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 04:13:27 PM
USER = Lawrence.Ise

Revisions:
- Top of rock elevations removed, note added



TYPICAL EXISTING SECTION 2-2
BENT 134 (STA 94+64.34 = STA A. 94+64.41)
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 2-2
BENT 134 (STA 94+64.34 = STA A. 94+64.41)
(LOOKING STA AHEAD)
N.T.S.

NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 2-2

CONTRACT NUMBER D900055
DRAWING NO. TYP-02
SHEET NO.

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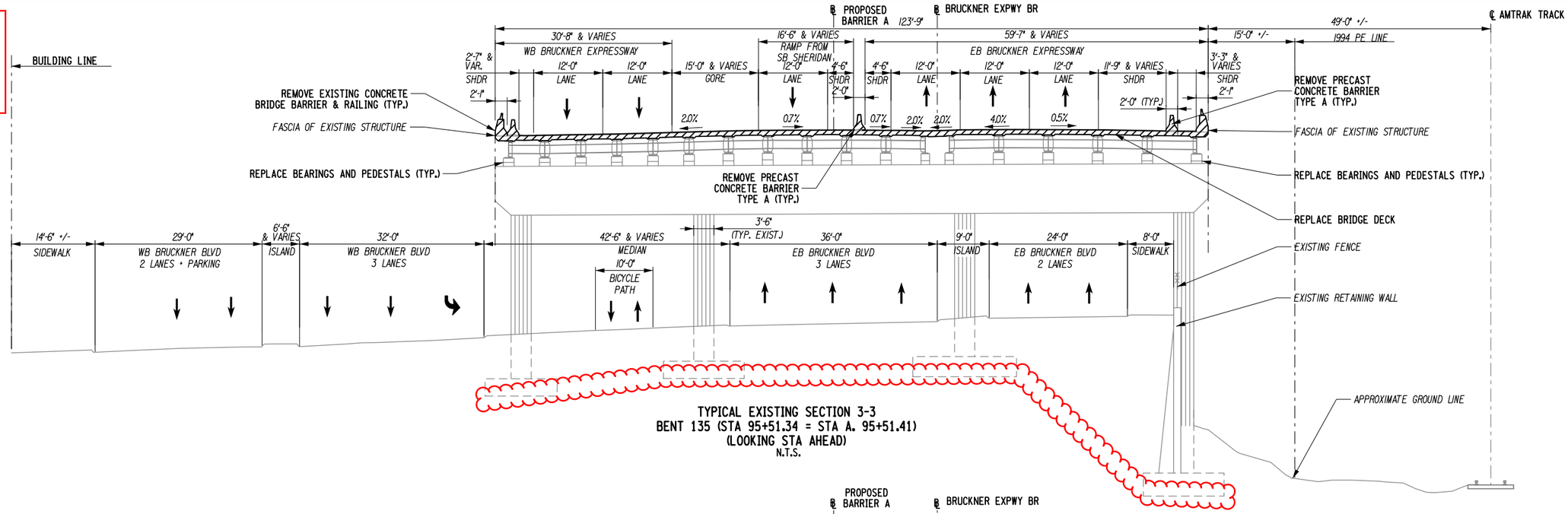
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

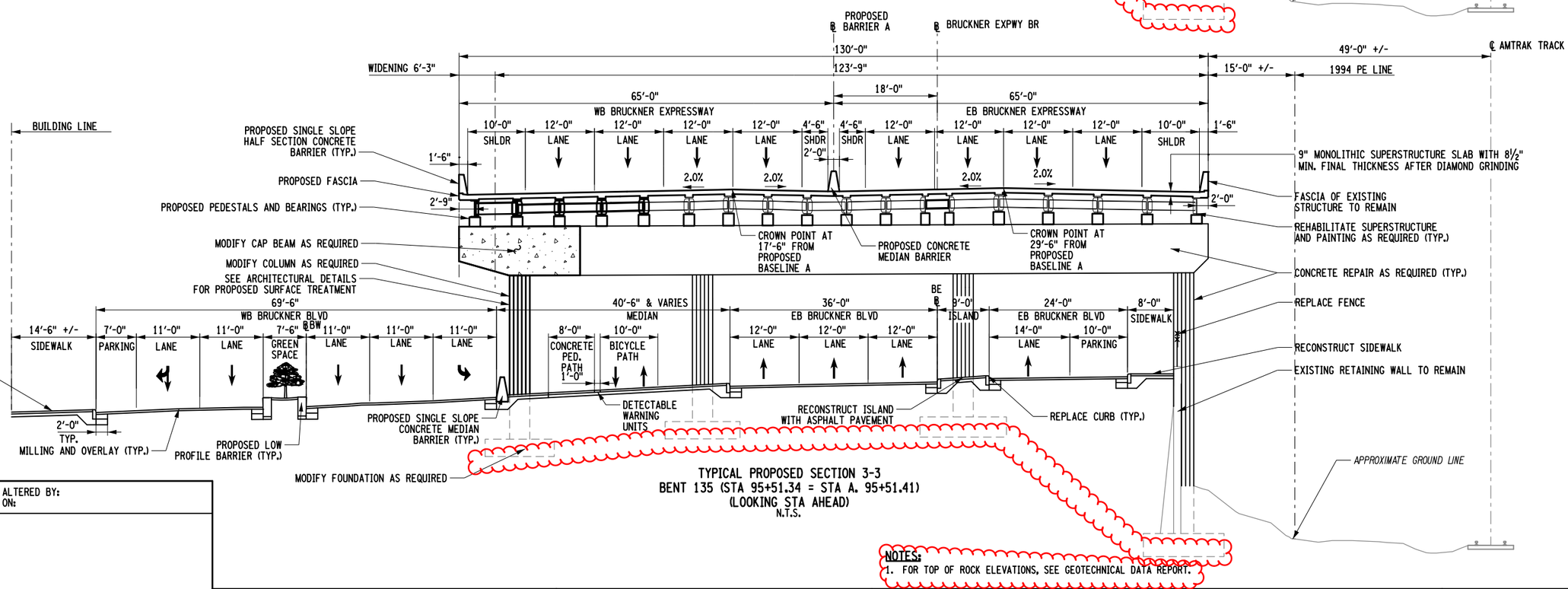
PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:\\...\X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165_CPH_XCS_R02-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 04:14:53 PM
USER = Lawrence.Tse

Revisions:
- Top of rock elevations removed, note added



TYPICAL EXISTING SECTION 3-3
BENT 135 (STA 95+51.34 = STA A. 95+51.41)
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 3-3
BENT 135 (STA 95+51.34 = STA A. 95+51.41)
(LOOKING STA AHEAD)
N.T.S.

NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 3-3

CONTRACT NUMBER D900055
DRAWING NO. TYP-03
SHEET NO.

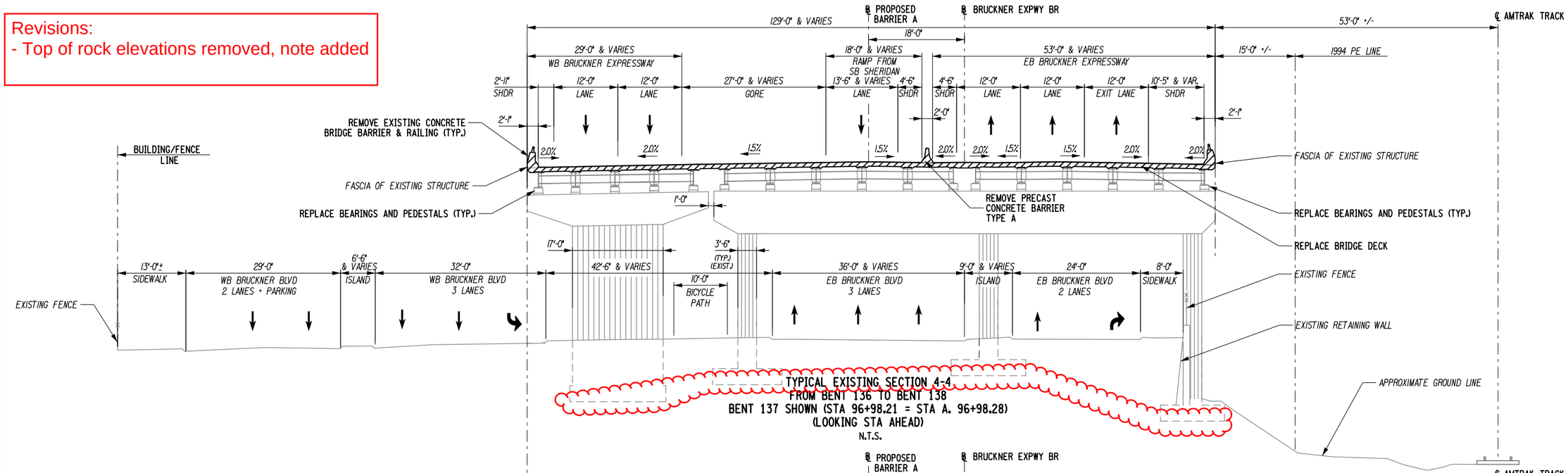
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165_CPH_XCS_R03-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 04:15:29 PM
USER = Lawrence.Ise

Revisions:
- Top of rock elevations removed, note added



NOTES:

1. BENT 136 IS A 4 COLUMN SYSTEM WITH SINGLE PIER CAP.
2. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 4-4

CONTRACT NUMBER D900055
DRAWING NO. TYP-04
SHEET NO.

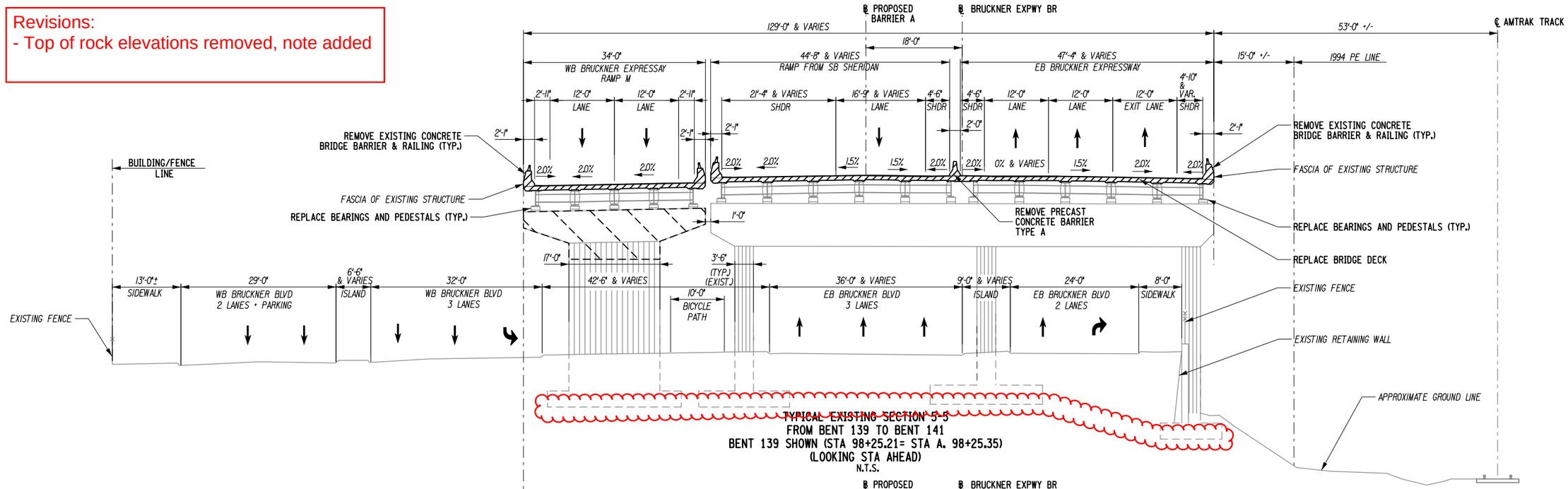
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK D³afting C ecked By
DRAFTING D³afted By
CHECK Designed By
DESIGN Designed By
JOB MANAGER NB
DESIGN SUPERVISOR SAB

FILE NAME = pw:/.../.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165_CPH_XCS_R04-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 04:16:23 PM
USER = Lawrence, Ise

Revisions:
- Top of rock elevations removed, note added



NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 5-5

CONTRACT NUMBER D900055
DRAWING NO. TYP-05
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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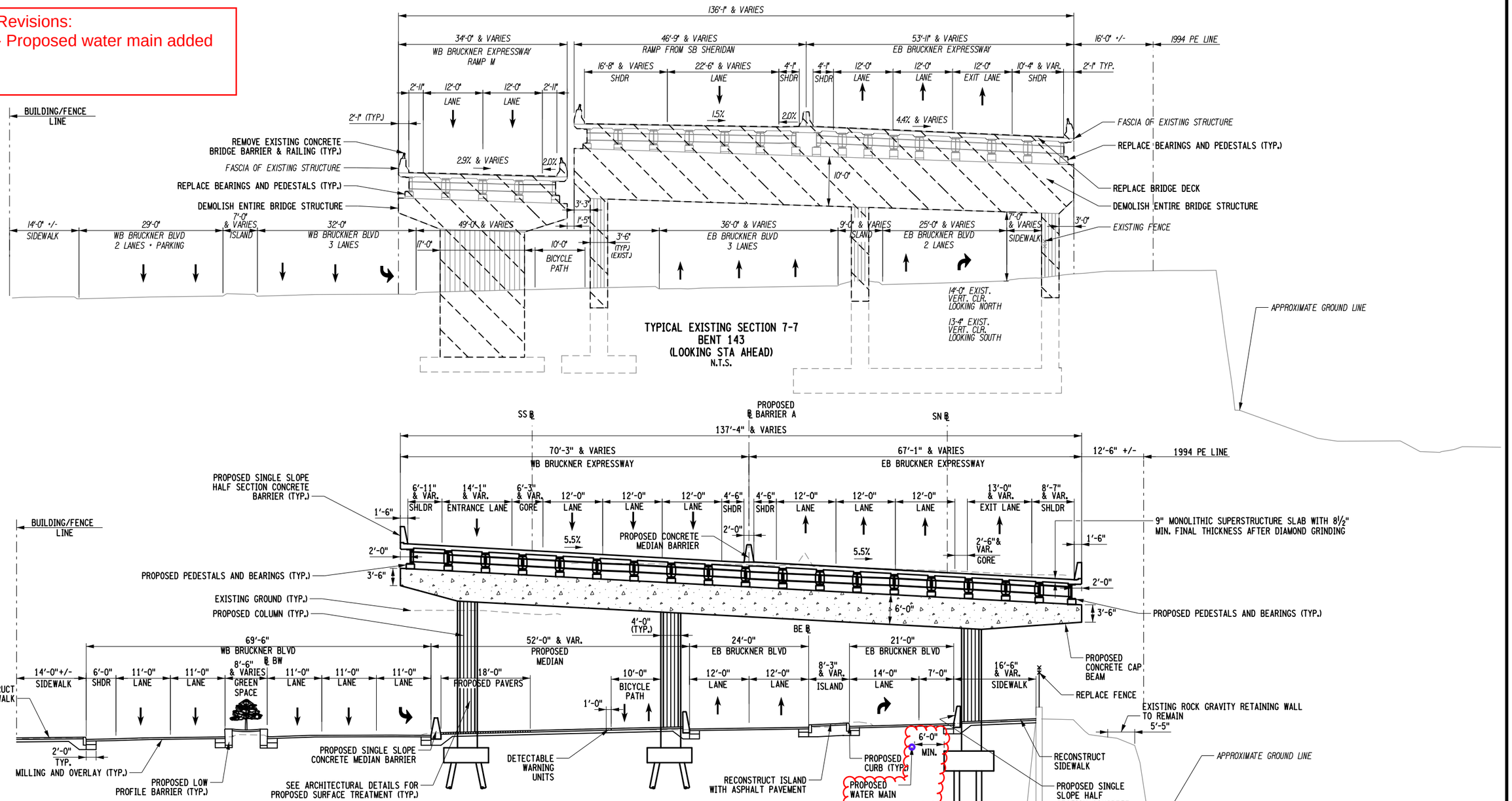
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165_CPH_XCS_R05-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 04:16:57 PM
USER = Lawrence.Ise

Revisions:
- Proposed water main added



TYPICAL EXISTING SECTION 7-7
BENT 143
(LOOKING STA AHEAD)
N.T.S.

TYPICAL PROPOSED SECTION 7-7
BENT 143A SHOWN (STA A. 100+74.73)
(LOOKING STA AHEAD)
N.T.S.

NOTES:

1. BENT 143A IS A SKEWED BENT. LANE WIDTHS ARE SHOWN PERPENDICULAR TO BASELINE FOR CLARITY.
2. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 7-7

CONTRACT NUMBER D900055
DRAWING NO. TYP-07
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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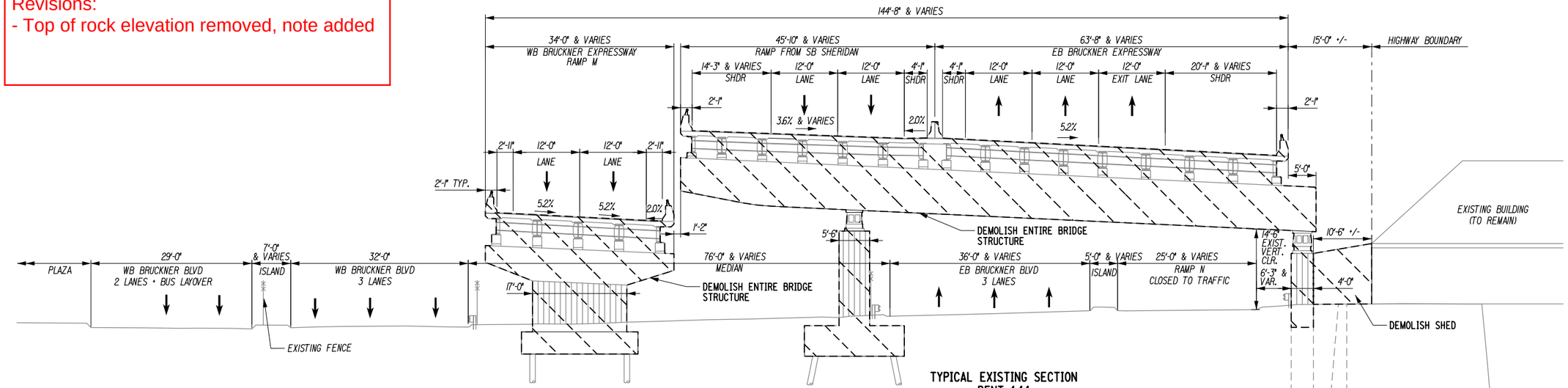
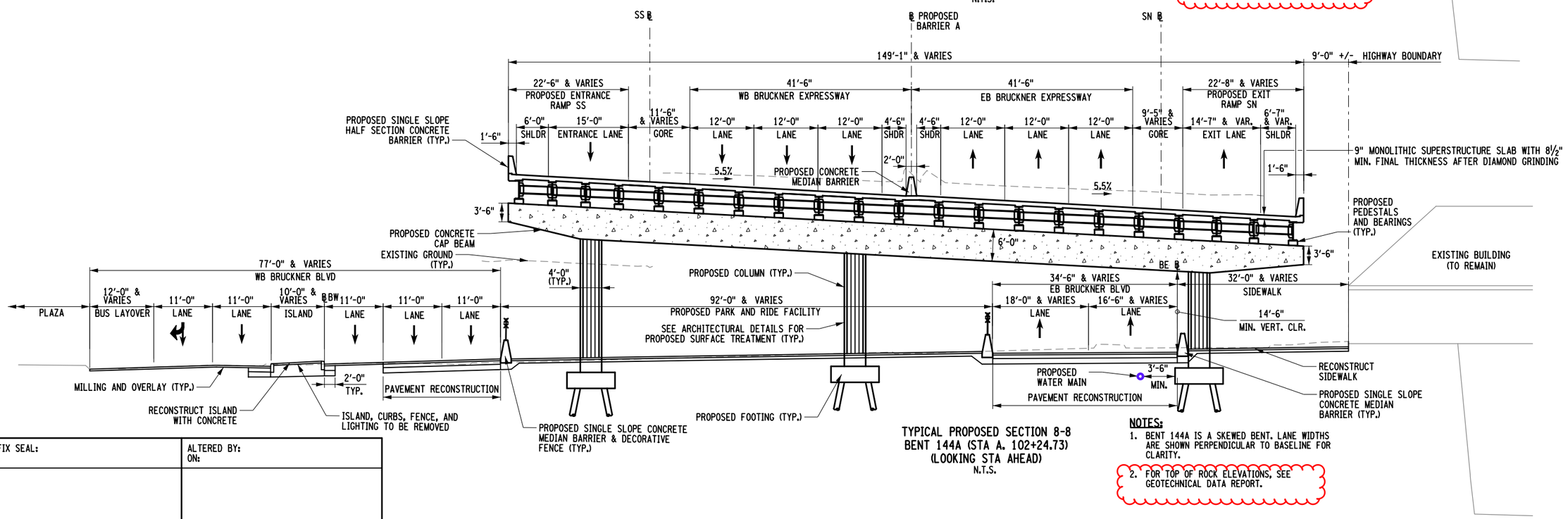
DATE/TIME = Thursday, July 21, 2022 04:18:27 PM
USER = Lawrence.Ise

Revisions:
- Top of rock elevation removed, note added



TYPICAL EXISTING SECTION
BENT 144
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 8-8
BENT 144A (STA A. 102+24.73)
(LOOKING STA AHEAD)
N.T.S.

NOTES:

1. BENT 144A IS A SKEWED BENT. LANE WIDTHS ARE SHOWN PERPENDICULAR TO BASELINE FOR CLARITY.
2. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 8-8

CONTRACT NUMBER D900055

DRAWING NO. TYP-08
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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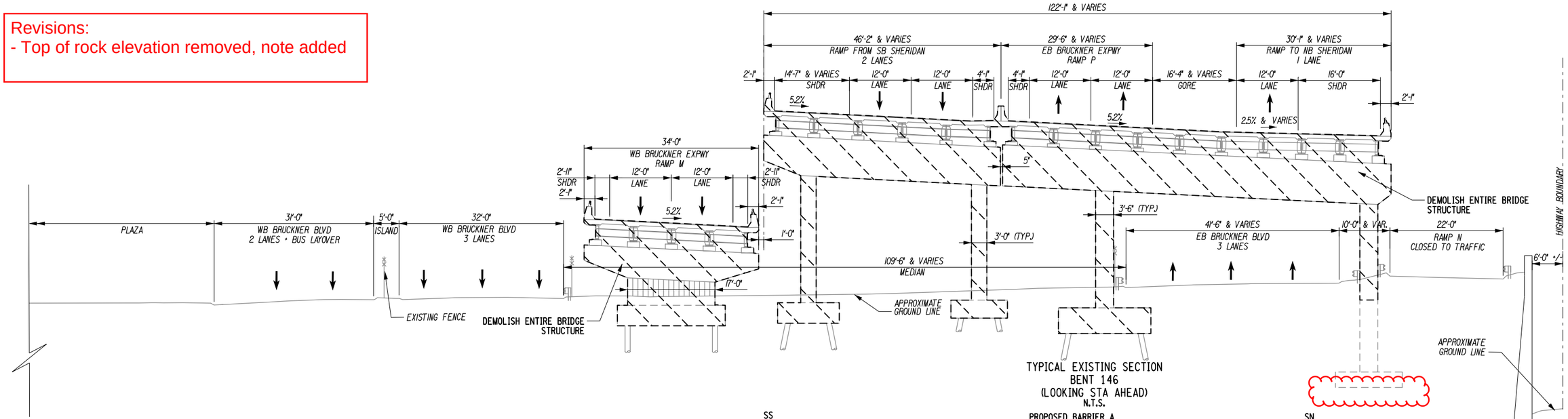
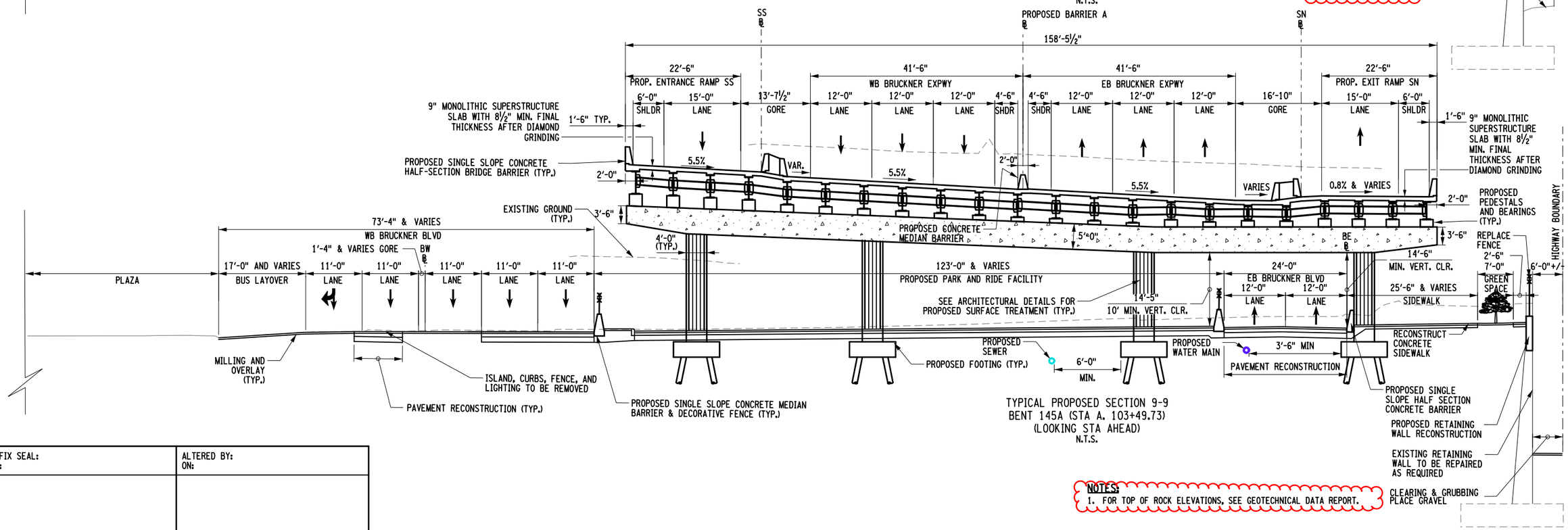
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165.CPH.XCS_R08-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 04:19:40 PM
USER = Lawrence.Tse

Revisions:
- Top of rock elevation removed, note added



TYPICAL EXISTING SECTION
BENT 146
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 9-9
BENT 145A (STA A. 103+49.73)
(LOOKING STA AHEAD)
N.T.S.

NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 9-9

CONTRACT NUMBER D900055

DRAWING NO. TYP-09
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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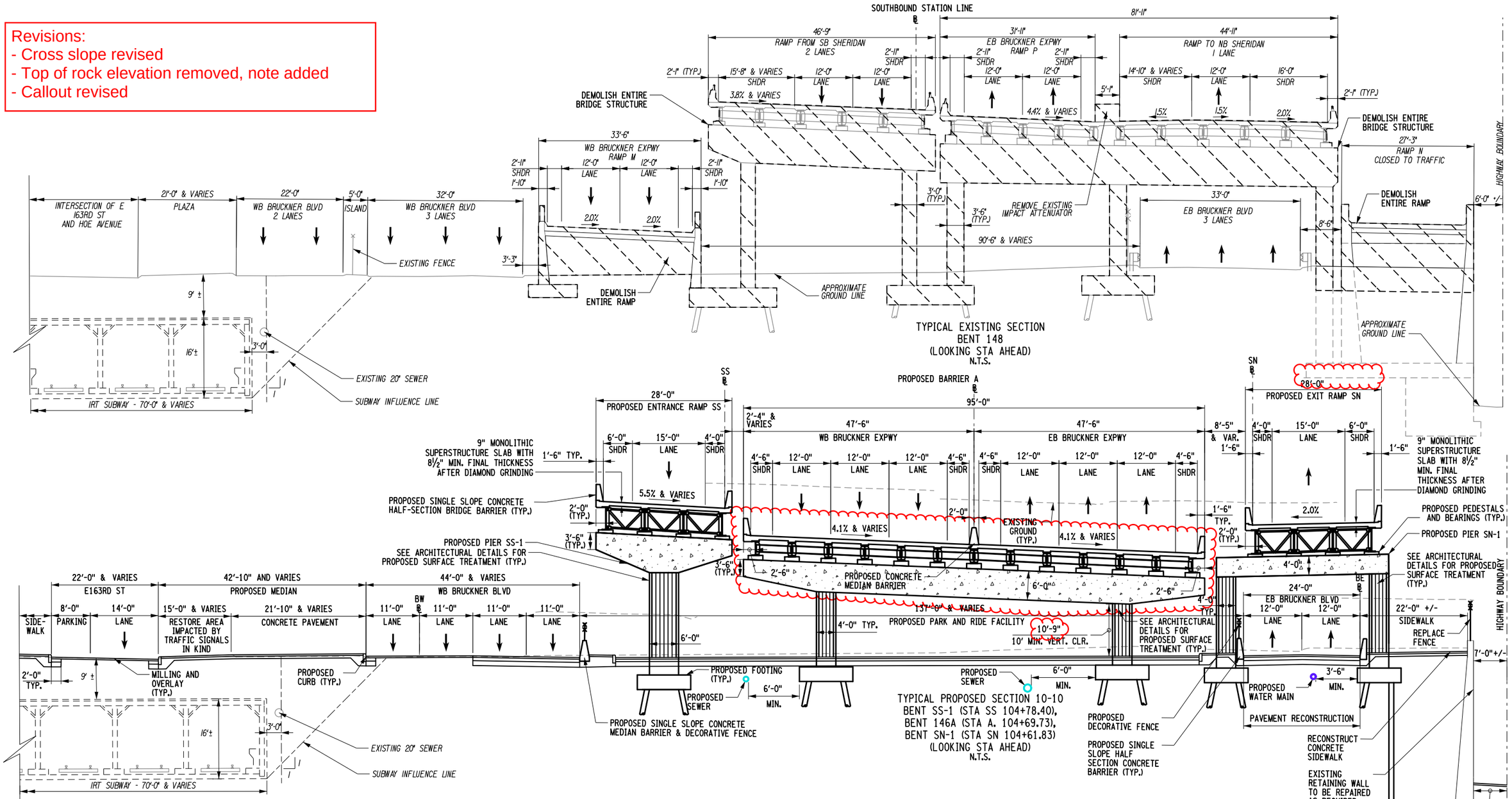
USER = Lawrence.Ise

Revisions:
- Cross slope revised
- Top of rock elevation removed, note added
- Callout revised



NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 10-10

CONTRACT NUMBER D900055

DRAWING NO. TYP-10
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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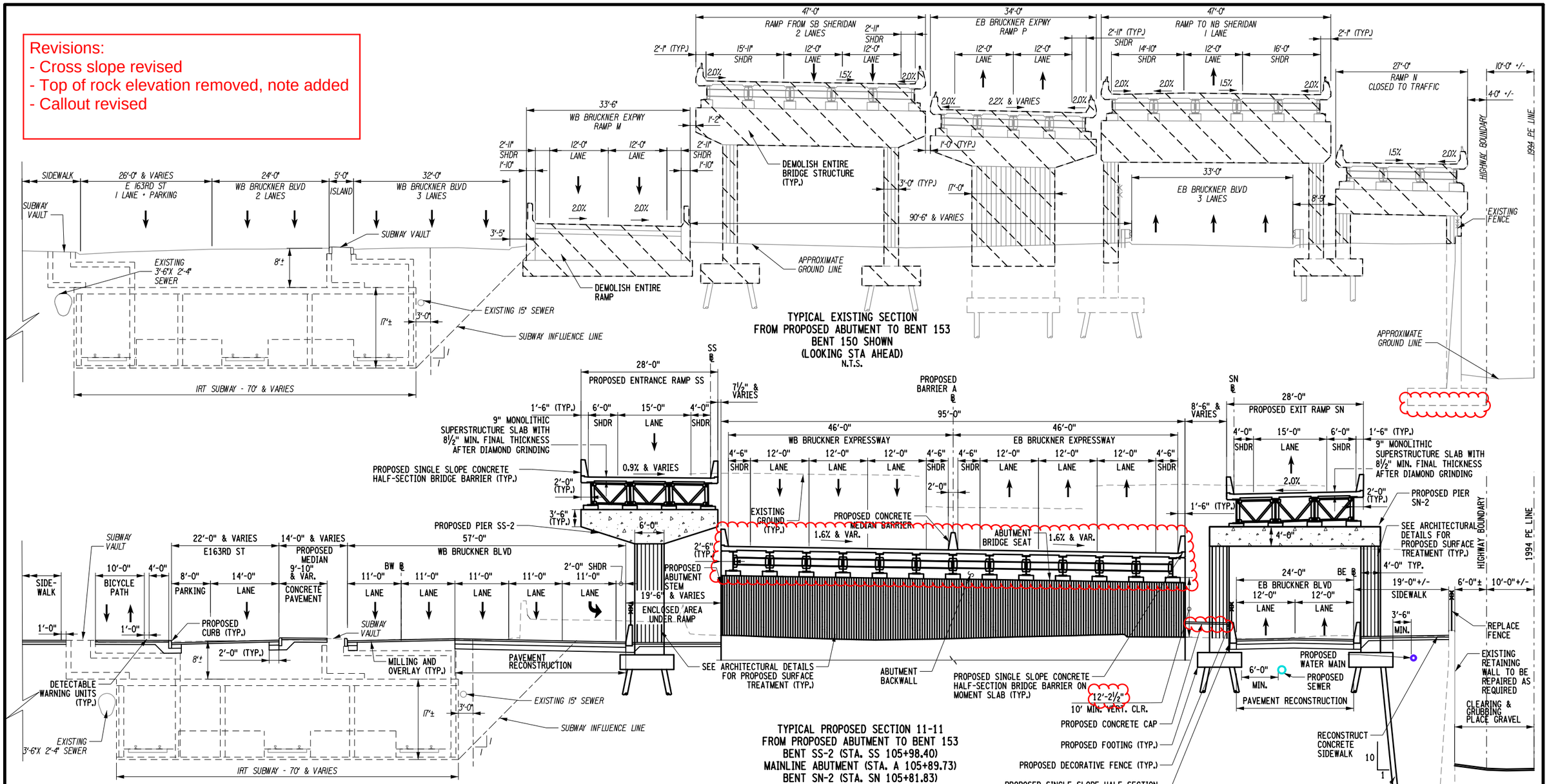
DATE/TIME = Thursday, July 21, 2022 04:20:47 PM
USER = Lawrence.Ise

Revisions:
- Cross slope revised
- Top of rock elevation removed, note added
- Callout revised



TYPICAL EXISTING SECTION
FROM PROPOSED ABUTMENT TO BENT 153
BENT 150 SHOWN
(LOOKING STA AHEAD)
N.T.S.

TYPICAL PROPOSED SECTION 11-11
FROM PROPOSED ABUTMENT TO BENT 153
BENT SS-2 (STA. SS 105+98.40)
MAINLINE ABUTMENT (STA. A 105+89.73)
BENT SN-2 (STA. SN 105+81.83)
(LOOKING STA AHEAD)
N.T.S.

NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 11-11

CONTRACT NUMBER D900055
DRAWING NO. TYP-11
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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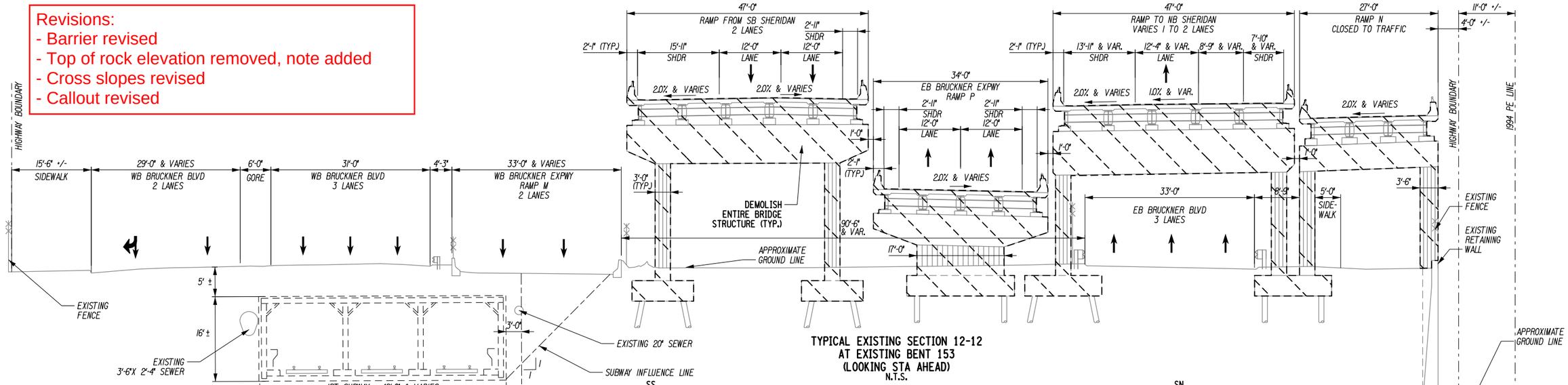
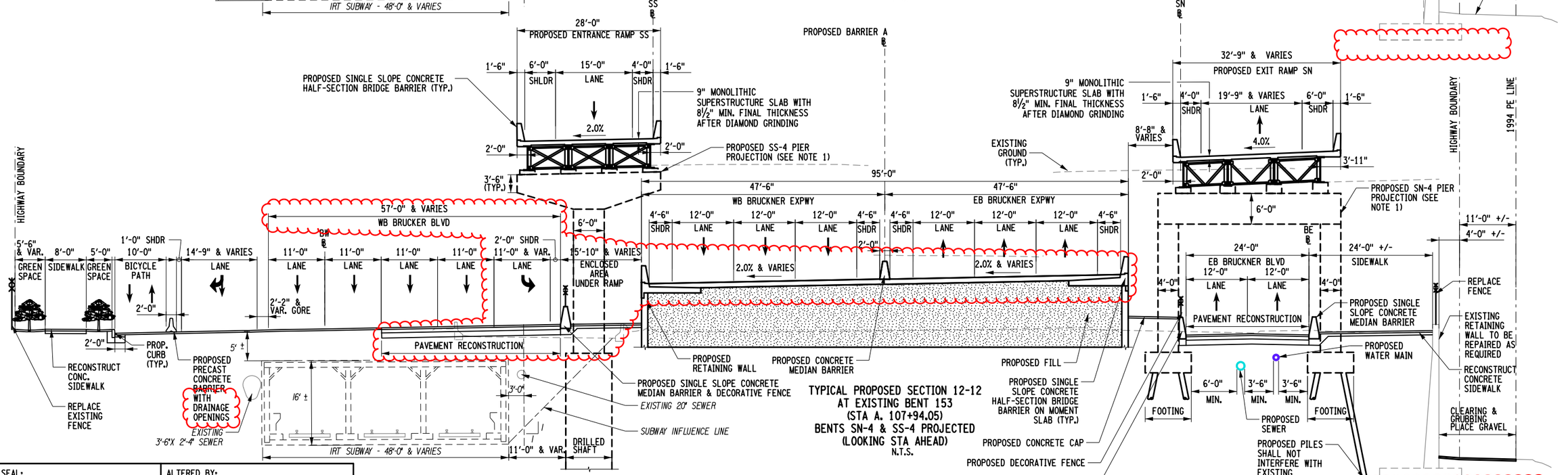
DATE/TIME = Thursday, July 21, 2022 04:21:25 PM
USER = Lawrence.Tse

Revisions:
- Barrier revised
- Top of rock elevation removed, note added
- Cross slopes revised
- Callout revised



TYPICAL EXISTING SECTION 12-12
AT EXISTING BENT 153
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 12-12
AT EXISTING BENT 153
(STA A. 107+94.05)
BENTS SN-4 & SS-4 PROJECTED
(LOOKING STA AHEAD)
N.T.S.

NOTES:

1. EXISTING BENT 153 IS LOCATED APPROXIMATELY 5' SOUTH OF PROPOSED PIER SS-4, AND APPROXIMATELY 27' SOUTH OF PROPOSED PIER SN-4. PROPOSED PIERS SS-4 AND SN-4 ARE SHOWN PROJECTED ON THE SECTION FOR ILLUSTRATIVE PURPOSES.
2. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED INDICATIVE PLANS TYPICAL SECTION 12-12

CONTRACT NUMBER D900055

DRAWING NO. TYP-12

SHEET NO.

AFFIX SEAL: ON:

ALTERED BY: ON:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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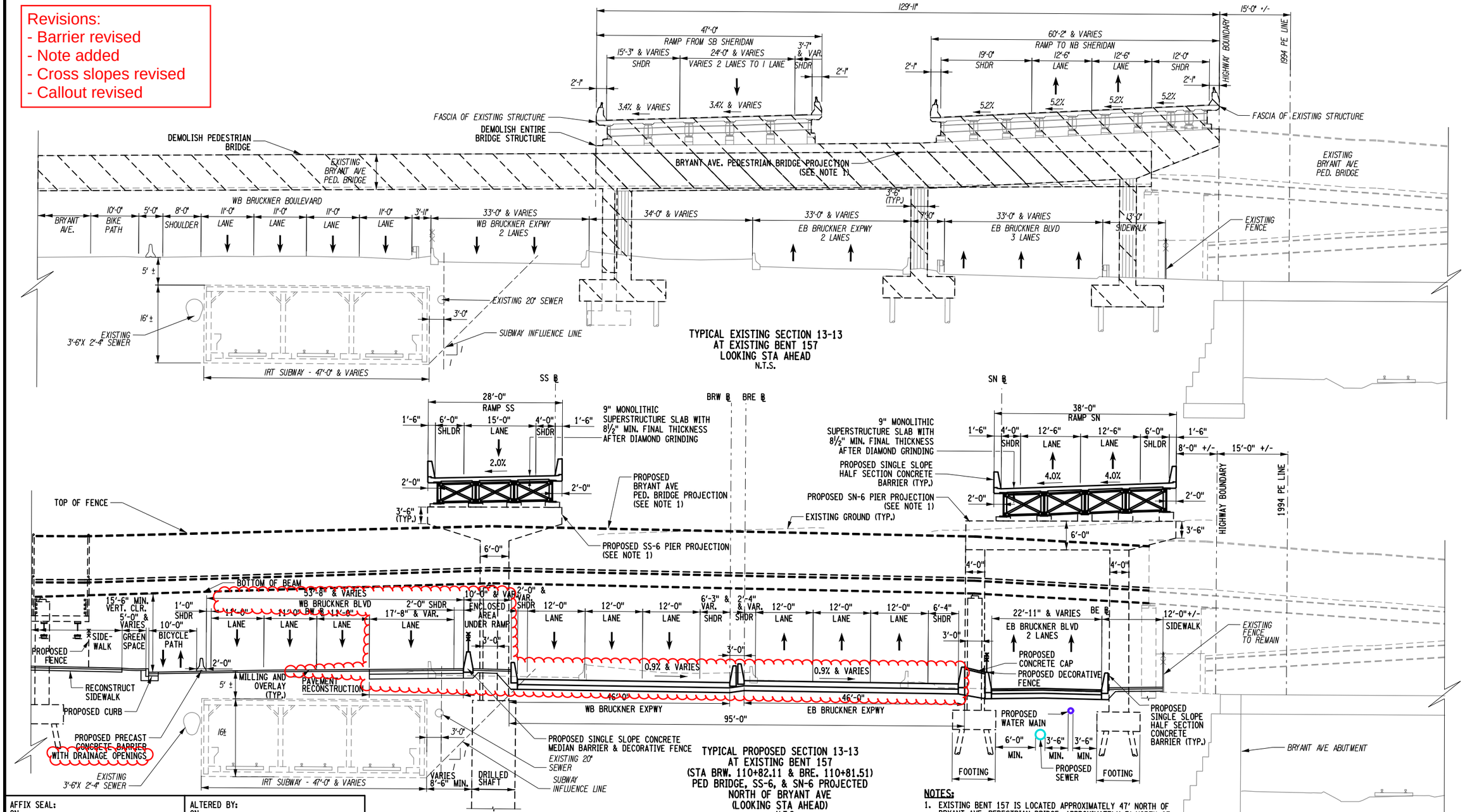
DATE/TIME = Thursday, July 21, 2022 04:26:26 PM
USER = Lawrence.Ise

Revisions:
- Barrier revised
- Note added
- Cross slopes revised
- Callout revised



NOTES:

1. EXISTING BENT 157 IS LOCATED APPROXIMATELY 47' NORTH OF BRYANT AVE. PEDESTRIAN BRIDGE, APPROXIMATELY 7' NORTH OF PROPOSED PIER SS-6, AND APPROXIMATELY 20' SOUTH OF PROPOSED PIER SN-6. BRYANT AVE. PEDESTRIAN BRIDGE AND PROPOSED PIERS SS-6 AND SN-6 ARE SHOWN PROJECTED ON THE SECTION FOR ILLUSTRATIVE PURPOSES.
2. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 13-13

CONTRACT NUMBER D900055
DRAWING NO. TYP-13
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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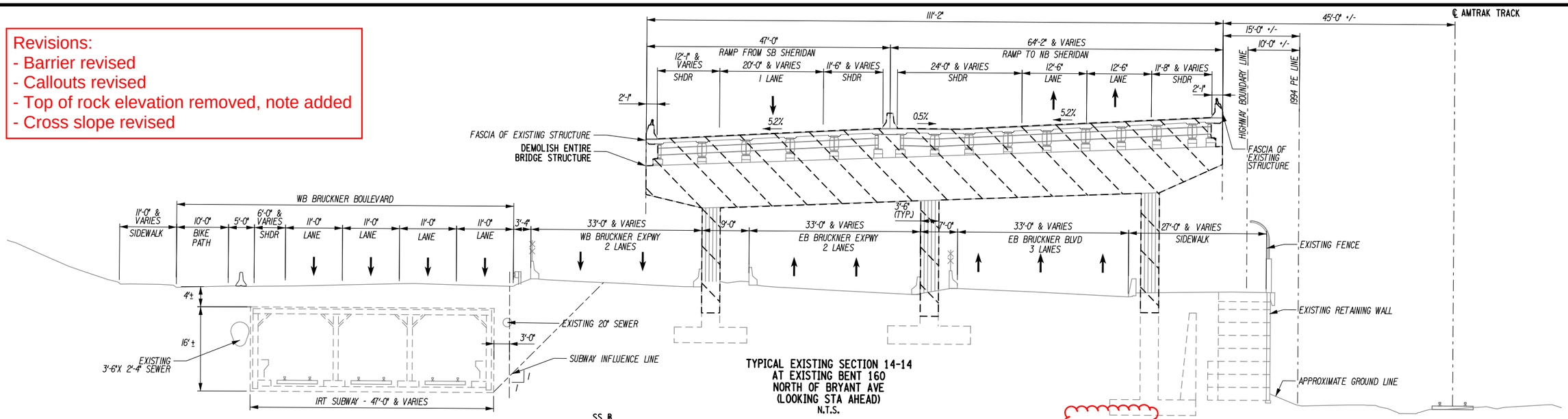
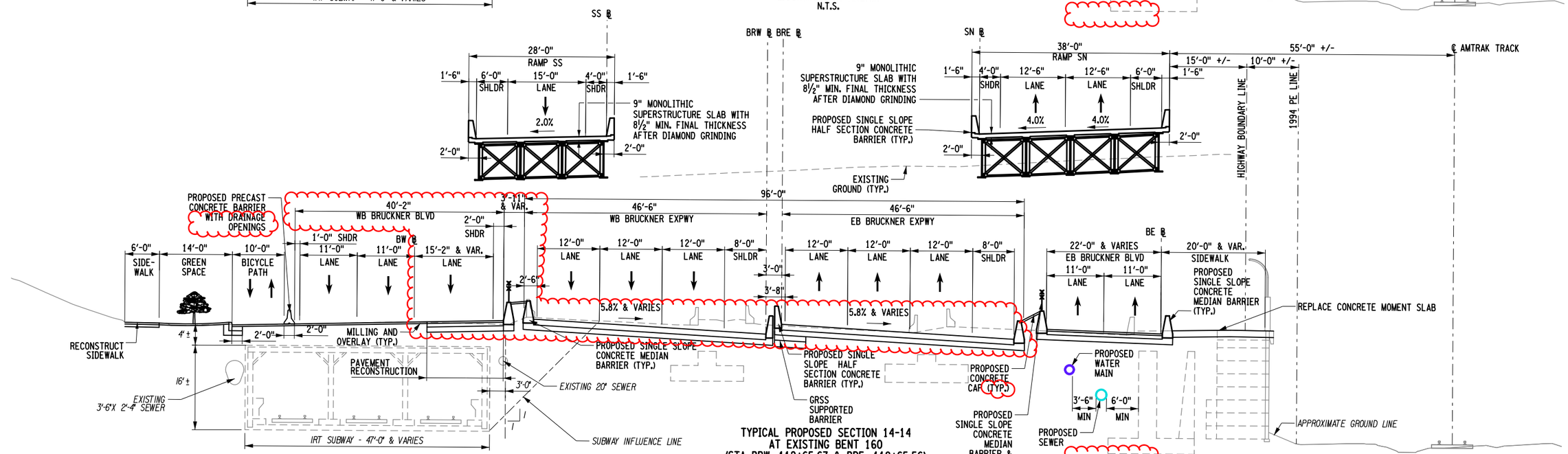
FILE NAME = pw:/../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165_CPH_XCS_R13-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 04:22:59 PM
USER = Lawrence.Ise

Revisions:
- Barrier revised
- Callouts revised
- Top of rock elevation removed, note added
- Cross slope revised



TYPICAL EXISTING SECTION 14-14
AT EXISTING BENT 160
NORTH OF BRYANT AVE
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 14-14
AT EXISTING BENT 160
(STA BRW. 112+65.67 & BRE. 112+65.56)
NORTH OF BRYANT AVE
(LOOKING STA AHEAD)
N.T.S.

NOTES:
1. FOR TOP OF ROCK ELEVATIONS, SEE GEOTECHNICAL DATA REPORT.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 14-14

CONTRACT NUMBER D900055

DRAWING NO. TYP-14
SHEET NO.

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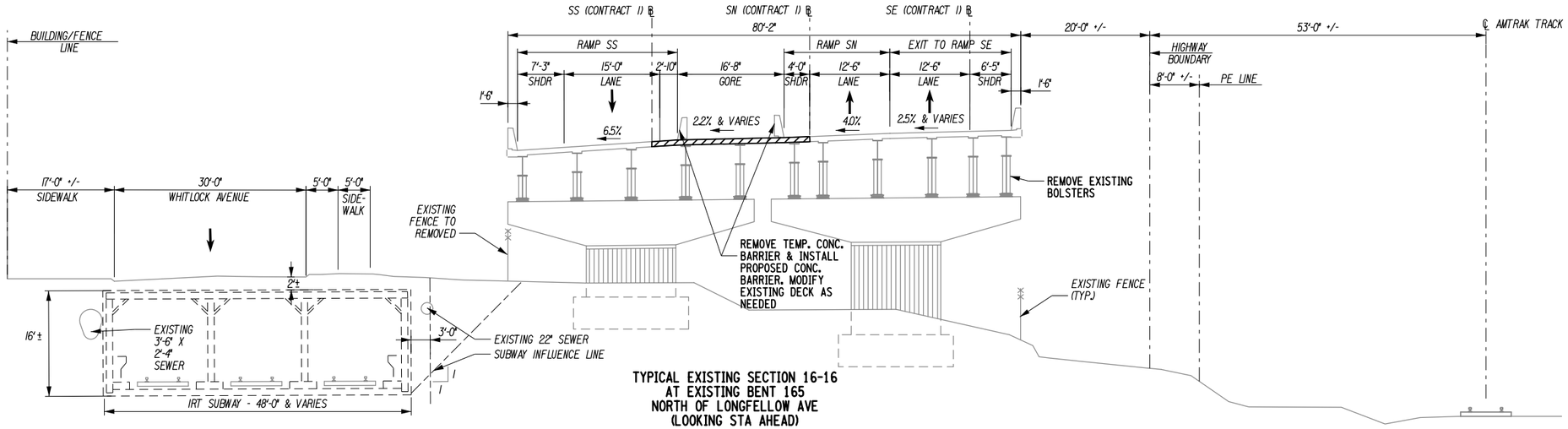
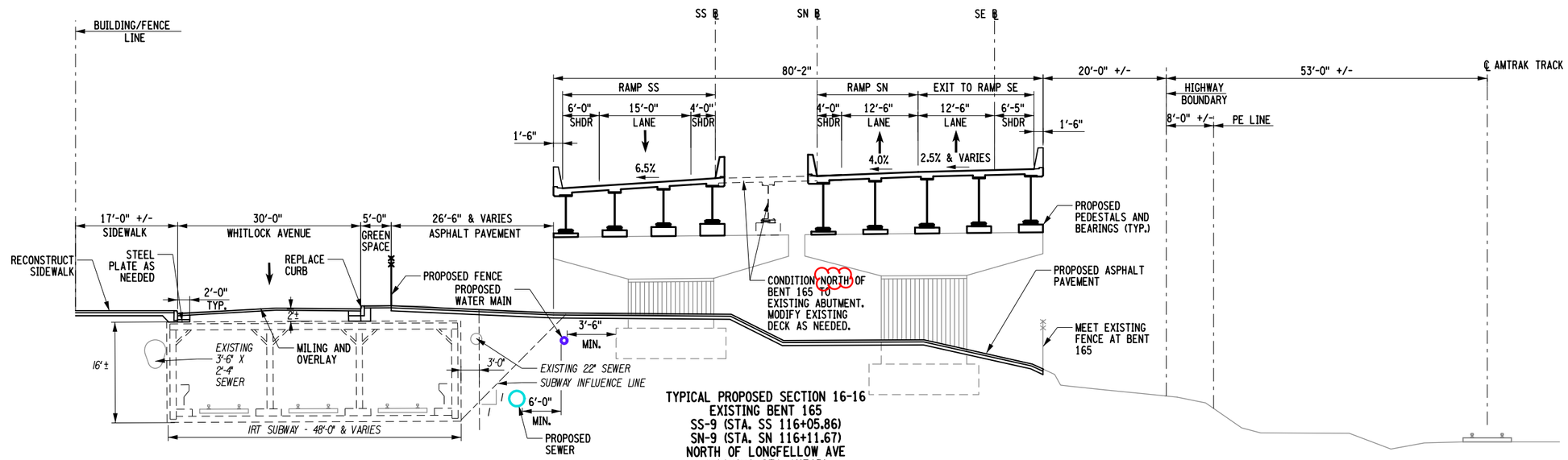
DATE/TIME = Thursday, July 21, 2022 05:39:10 PM
USER = seizerd

Revisions:
- Callout revised



TYPICAL EXISTING SECTION 16-16
AT EXISTING BENT 165
NORTH OF LONGFELLOW AVE
(LOOKING STA AHEAD)
N.T.S.



TYPICAL PROPOSED SECTION 16-16
EXISTING BENT 165
SS-9 (STA. SS 116+05.86)
SN-9 (STA. SN 116+11.67)
NORTH OF LONGFELLOW AVE
(LOOKING STA AHEAD)
N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TYPICAL SECTION 16-16

CONTRACT NUMBER D900055

DRAWING NO. TYP-16
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Typical Sections/X73165_CPH_XCS_R16-AECOM.dgn [
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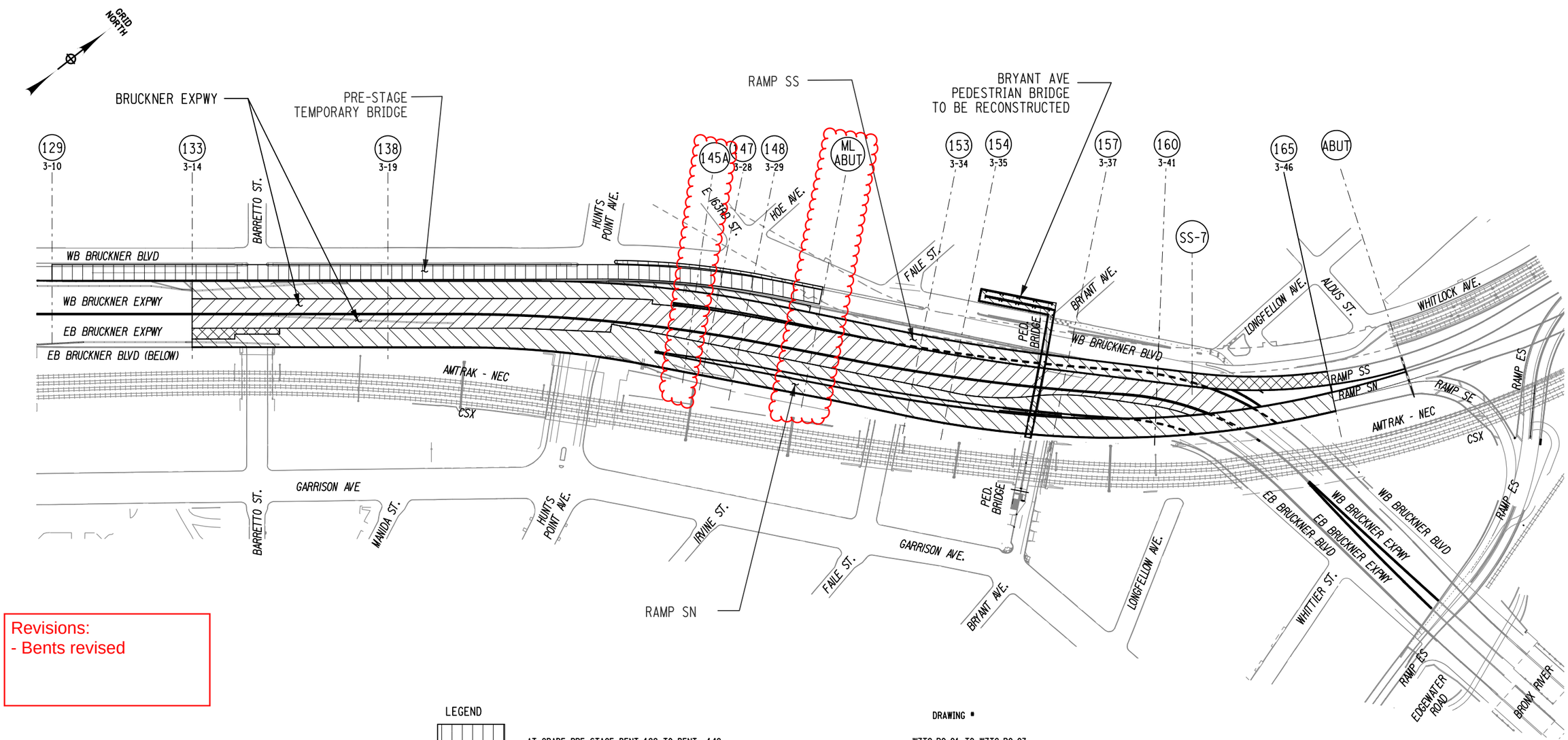
USER = seizerd



Revisions:
- Bents revised

LEGEND

		DRAWING #
	AT GRADE PRE STAGE BENT 129 TO BENT 149	WZTC-R0-01 TO WZTC-R0-03
	BRIDGE STAGE 1 BENT 133 TO BENT 165	WZTC-B1-01 TO WZTC-B1-03
	BRIDGE STAGE 1-3 BENT 133 TO BENT 135 AND BENT 161 TO BENT 165	WZTC-B1-31 TO WZTC-B1-33
	BRIDGE STAGE 2 BENT 133 TO BENT 165	WZTC-B2-01 TO WZTC-B2-03

100′ 0 100 200 300 400′
1"=200′

REFERENCE:

1. AT GRADE STAGES 1-1, 1-2, 2, 2-1 AND 2-2 ARE NOT SHOWN. FOR DETAILS SEE WORK ZONE TRAFFIC CONTROL PLANS AND SECTIONS.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
KEY PLAN - 1
AT BRIDGE LEVEL

CONTRACT NUMBER D900055
DRAWING NO. WZTC-KEY-1
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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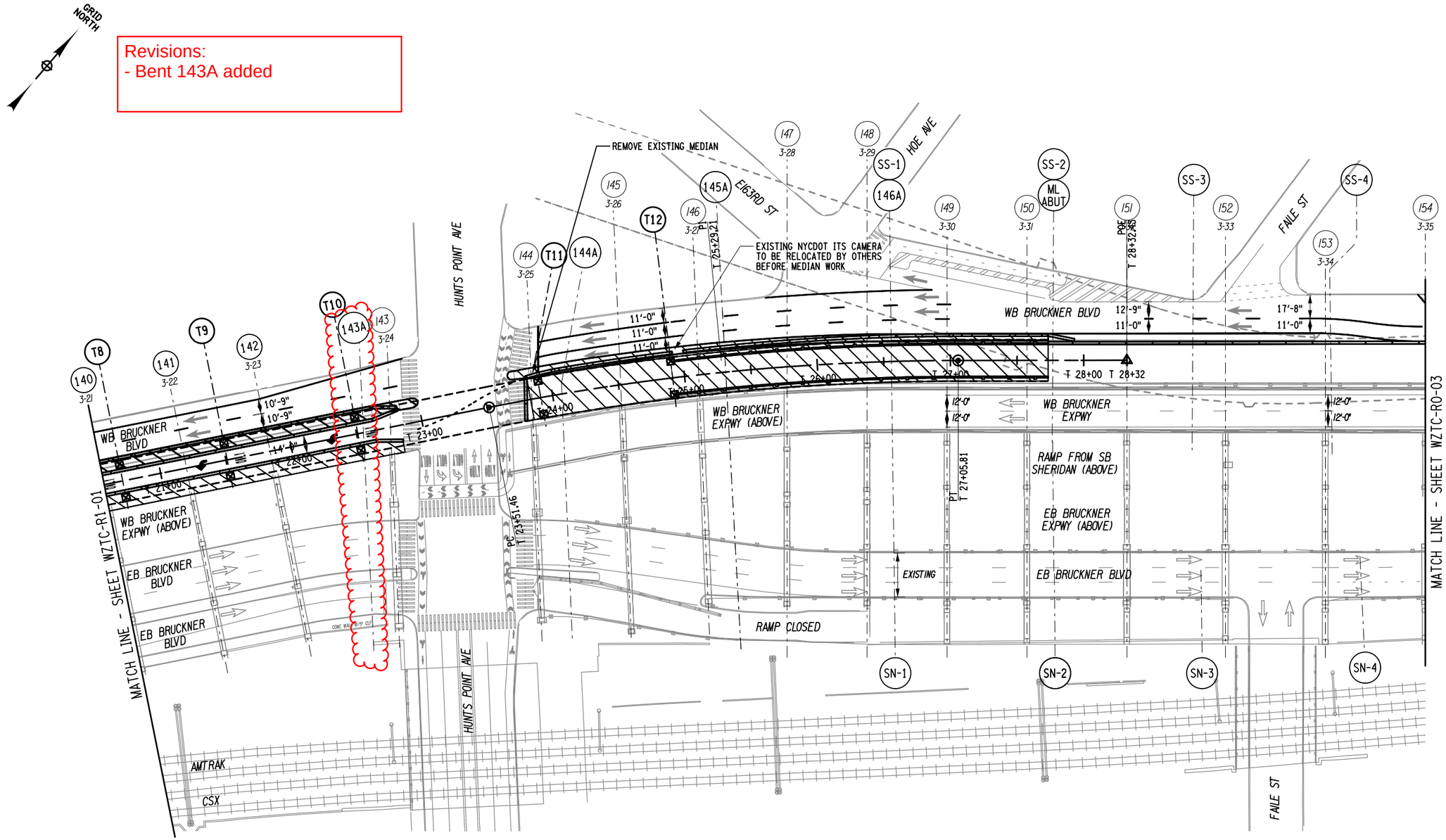
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:\\...\X731.65_Hunts Point Truck Access - Contract 3\CAD\01 AECOM\Civil\WZTC\X73165_CPH_MPP_100-AECOM.dgn
DATE/TIME = Thursday, July 14, 2022 01:32:06 PM
USER = Alan.Huang

Revisions:
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'

1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED INDICATIVE PLANS WORK ZONE TRAFFIC CONTROL PRESTAGE AT GRADE SHEET 2	CONTRACT NUMBER D900055 DRAWING NO. WZTC-R0-02 SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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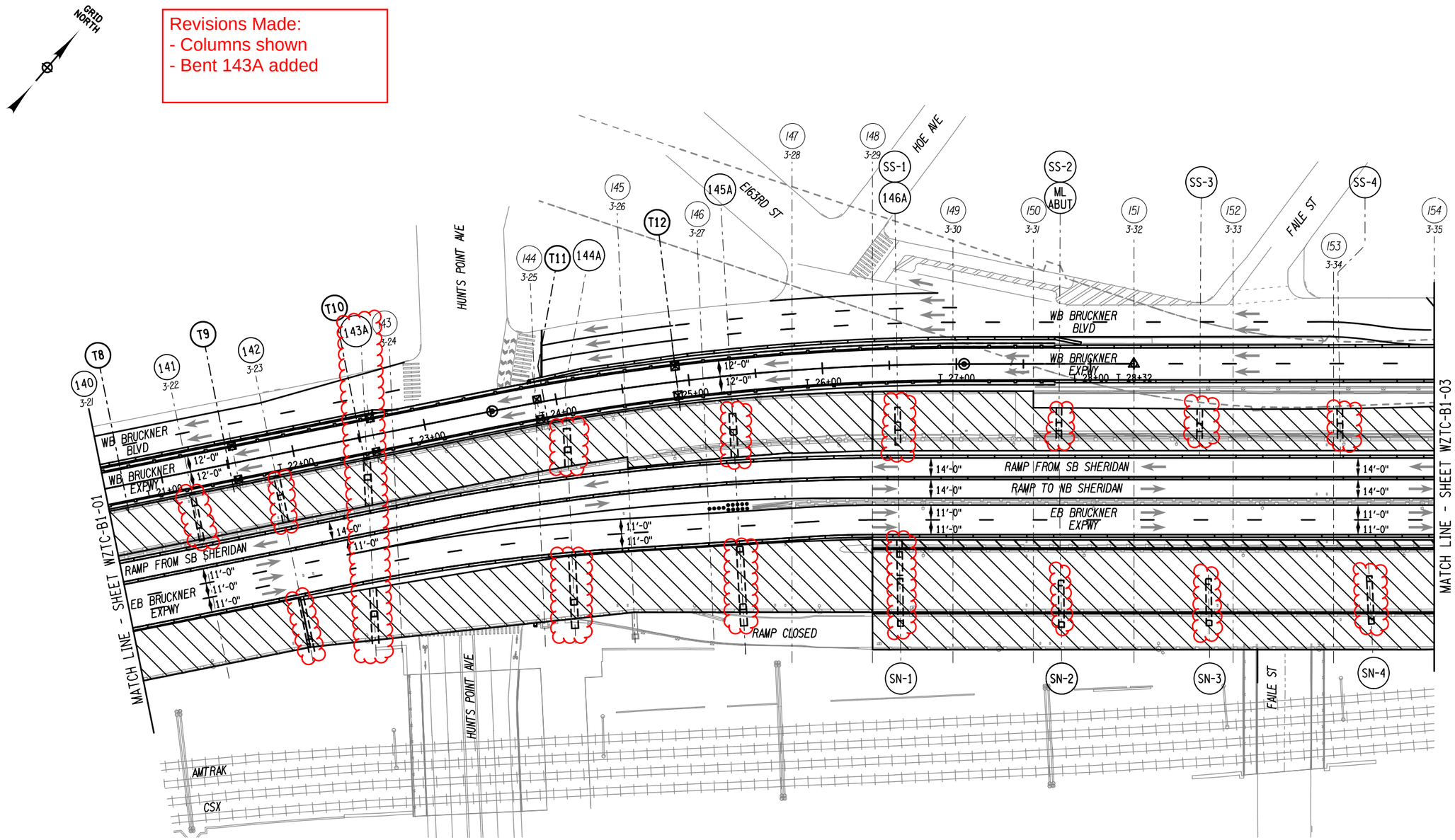
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_GO_102-AECOM.dgn [
DATE/TIME = Monday, July 18, 2022 11:42:06 AM
USER = Alan.Huang

Revisions Made:
- Columns shown
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1
BRIDGE
SHEET 2

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-B1-02
SHEET NO.

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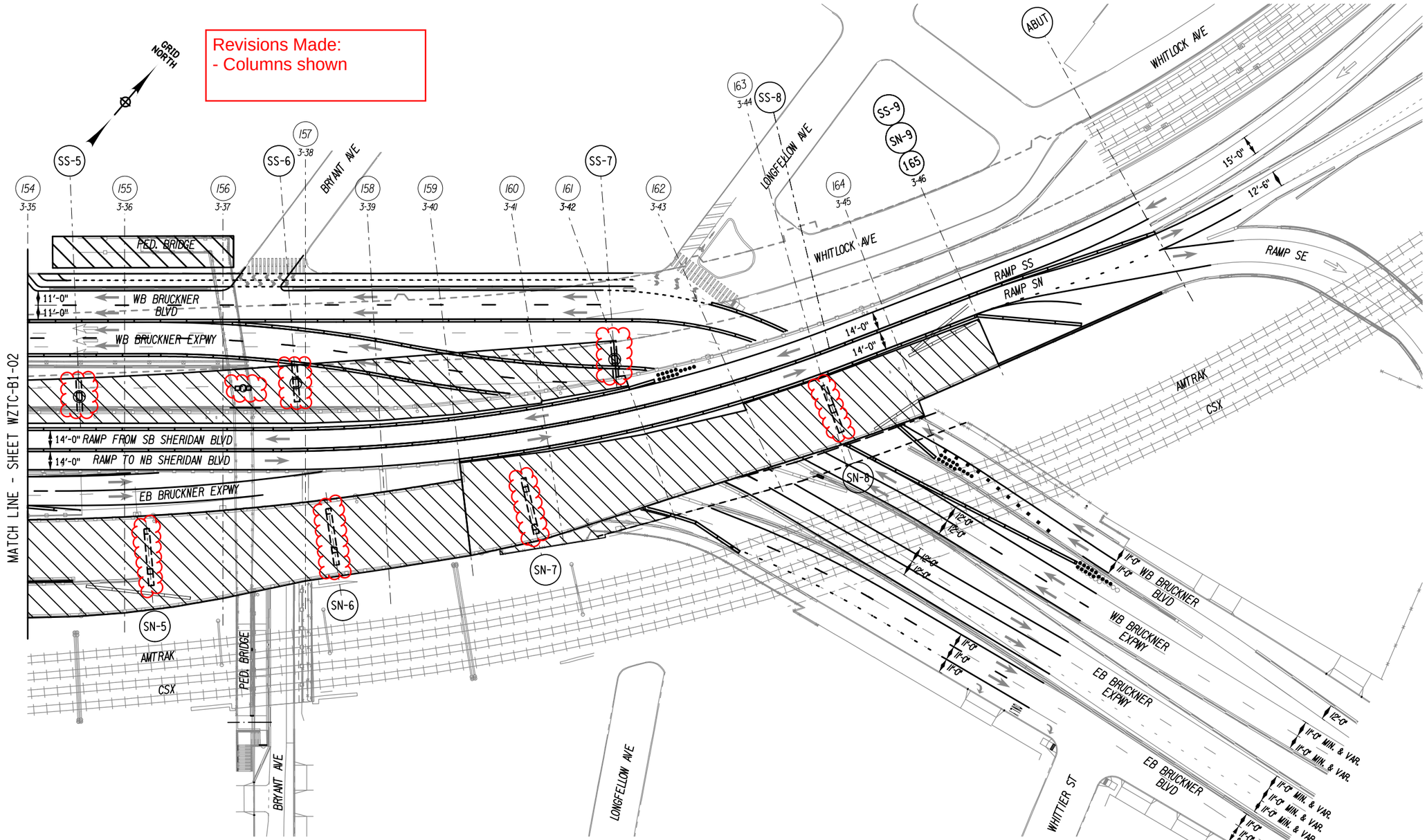
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_B1_102-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 02:44:10 PM
USER = Lawrence, Ise

Revisions Made:
- Columns shown



LEGEND:

(43) - NEW BENT NUMBER

2-1 - OLD BENT NUMBER

TEMPORARY SHORING TOWER

WORK ZONE

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1
BRIDGE
SHEET 3

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-B1-03
SHEET NO.

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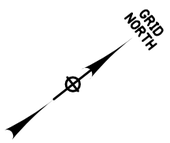
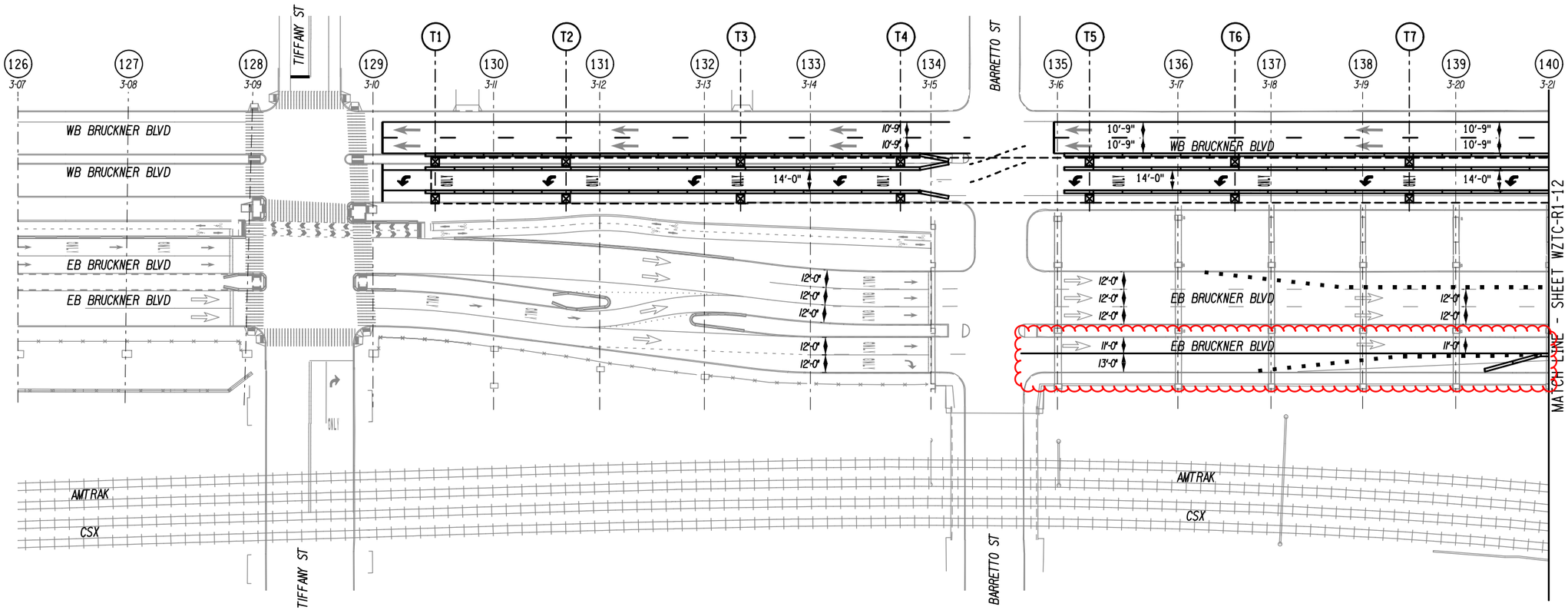
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_B1_103-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 02:46:21 PM
USER = Lawrence.Ise

Revisions made:
- EB Bruckner Blvd revised





LEGEND:

(43) - NEW BENT NUMBER

2-1 - OLD BENT NUMBER

TEMPORARY SHORING TOWER

WORK ZONE

40' 0 40' 80' 120' 160'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1-1
AT-GRADE
SHEET 1

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-R1-11
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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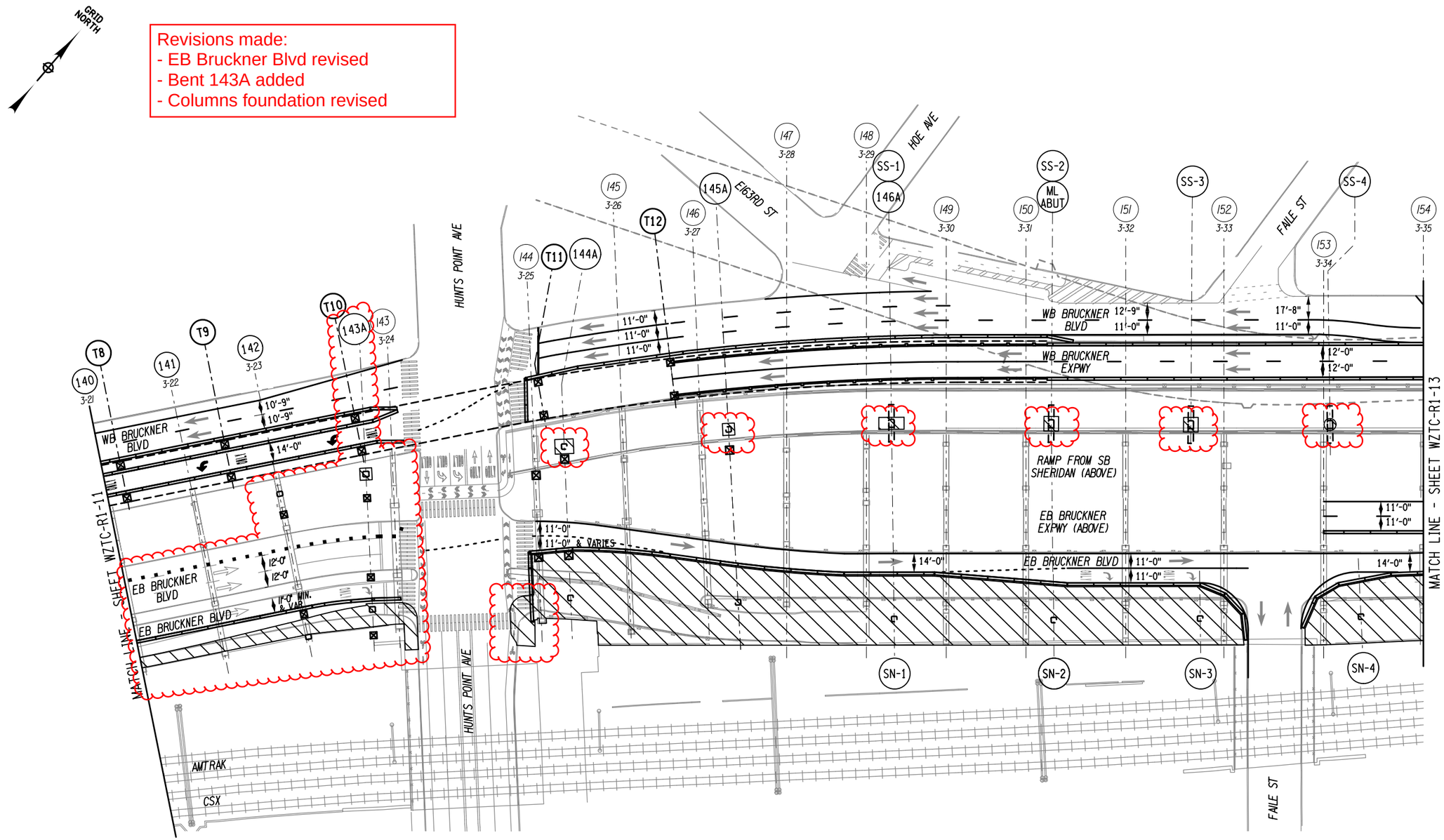
DATE/TIME = Thursday, July 21, 2022 11:22:57 AM
USER = Lawrence.Tse

Revisions made:
- EB Bruckner Blvd revised
- Bent 143A added
- Columns foundation revised



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- ⊠ TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1-1
AT-GRADE
SHEET 2

CONTRACT NUMBER D900055
DRAWING NO. WZTC-R1-12
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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FILE NAME = pw:\\...\X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_G1.102-AECOM.dgn
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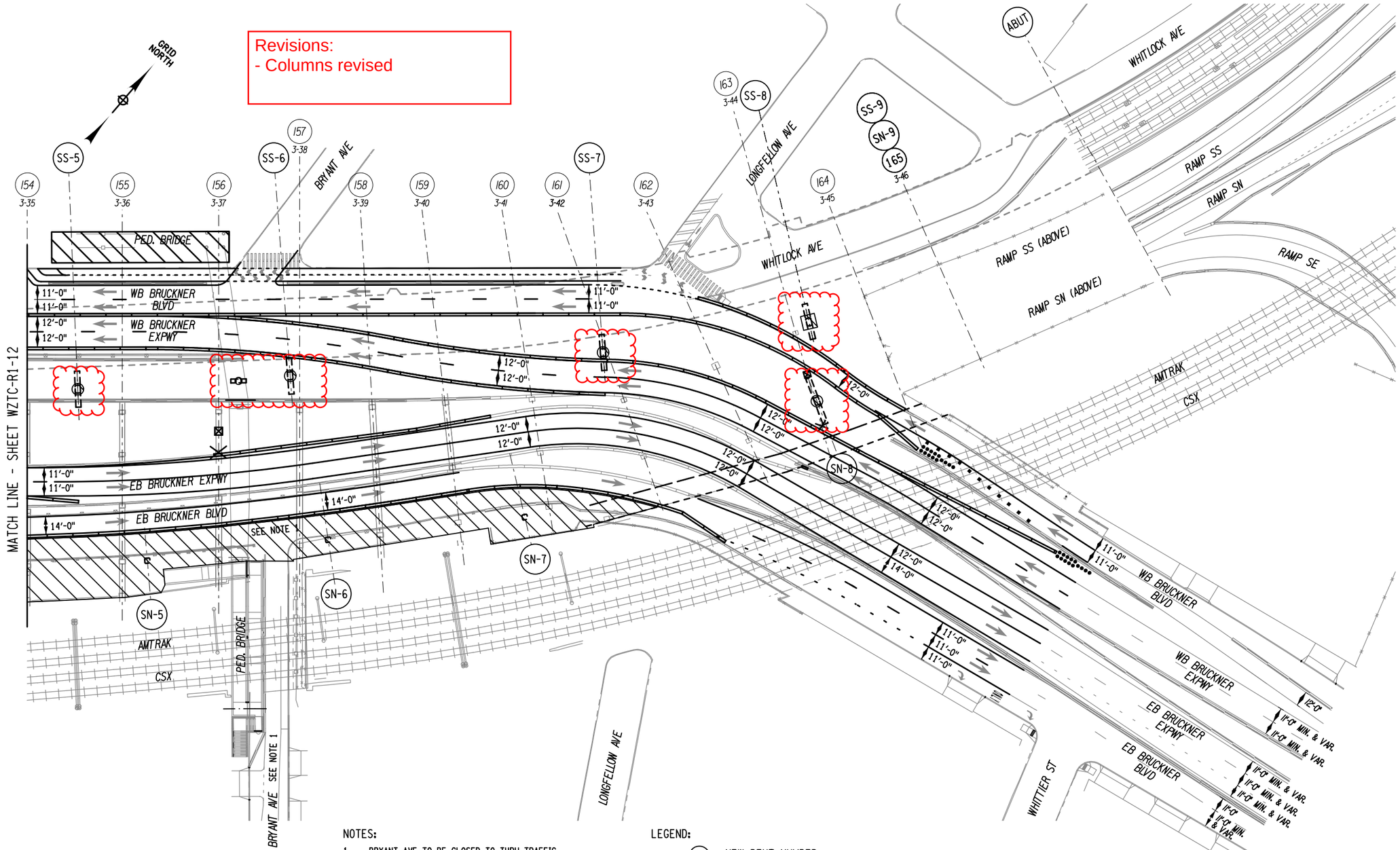
USER = Lawrence.Tse

Revisions:
- Columns revised



NOTES:

1. BRYANT AVE TO BE CLOSED TO THRU TRAFFIC, LOCAL ACCESS MUST BE PROVIDED AT ALL TIMES
2. TRAFFIC TO FOLLOW DETOUR PLAN 2
3. PEDESTRIAN BRIDGE TRAFFIC DETOURED TO STAIRS

LEGEND:

(43) - NEW BENT NUMBER
2-1 - OLD BENT NUMBER
⊠ TEMPORARY SHORING TOWER
WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1-1
AT-GRADE
SHEET 3

CONTRACT NUMBER D900055
DRAWING NO. WZTC-R1-13
SHEET NO.

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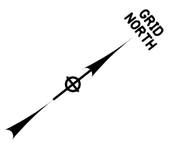
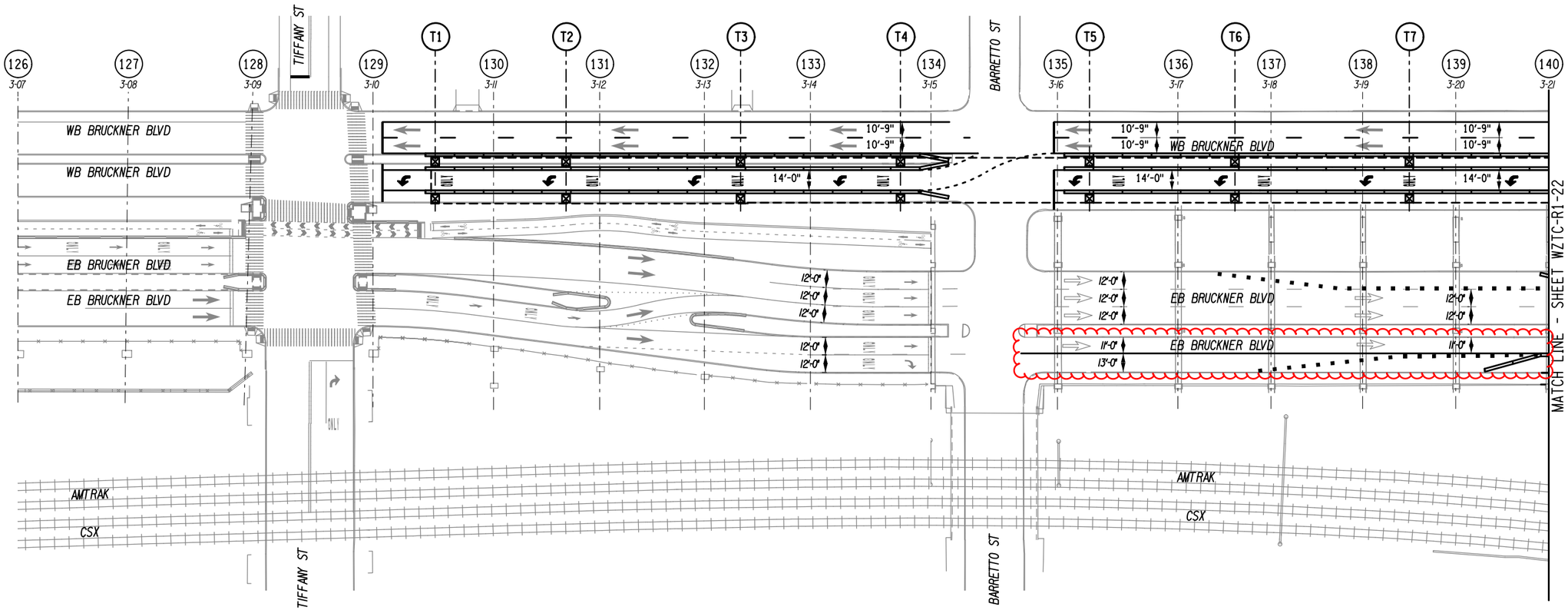
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_G1_103-AECOM.dgn
DATE/TIME = Monday, July 18, 2022 11:45:57 AM
USER = Alan.Huang

Revisions made:
- EB Bruckner Blvd revised





LEGEND:

(43) - NEW BENT NUMBER

2-1 - OLD BENT NUMBER

⊠ TEMPORARY SHORING TOWER

WORK ZONE

40' 0 40' 80' 120' 160'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
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INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
AT-GRADE
STAGE 1-2
SHEET 1

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-R1-21
SHEET NO.

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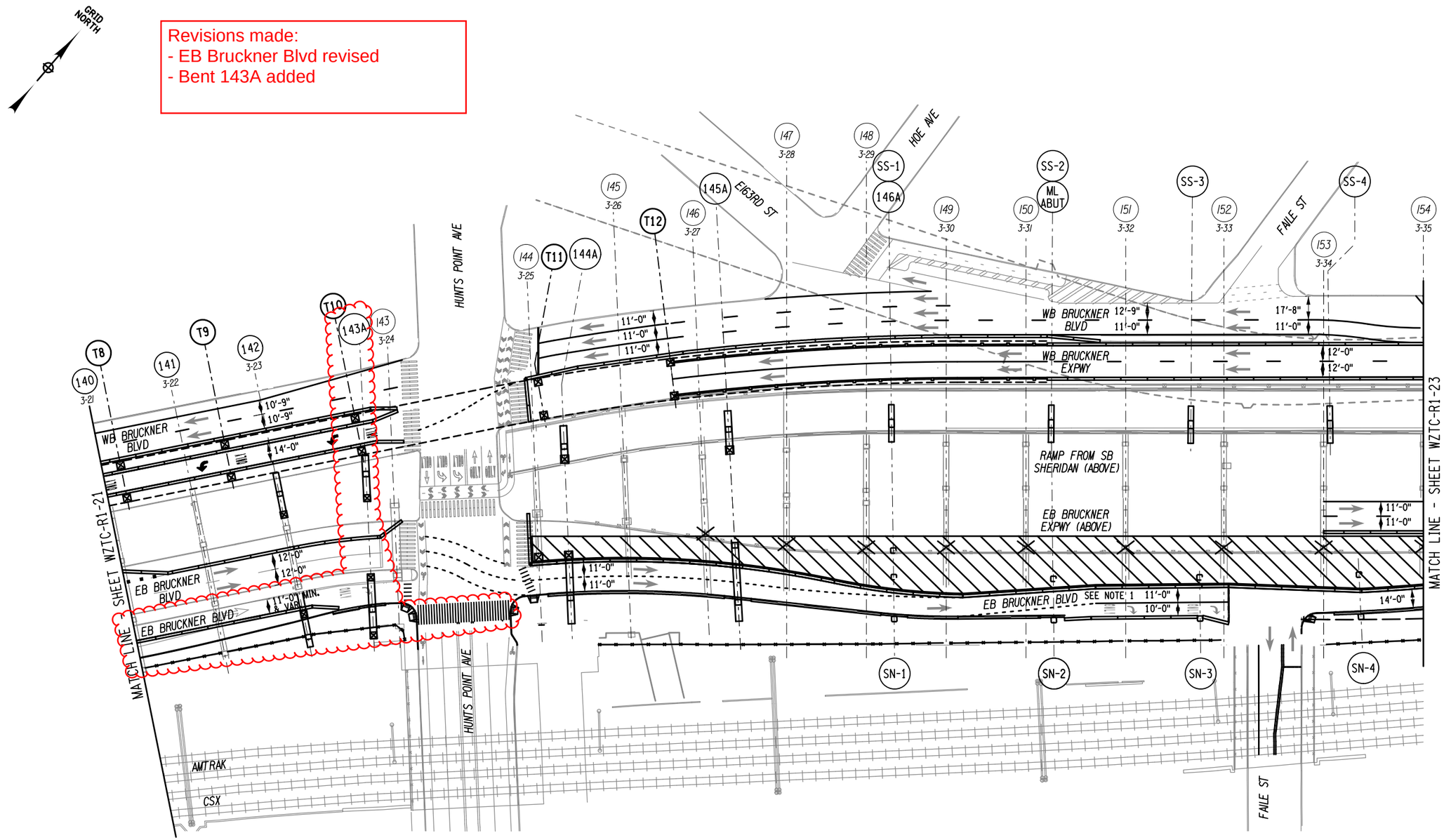
DATE/TIME = Thursday, July 21, 2022 11:24:16 AM
USER = Lawrence.Ise

Revisions made:
- EB Bruckner Blvd revised
- Bent 143A added



NOTE:

1. LEFT LANE MAY BE CLOSED DURING NON-PEAK TIMES FOR PAVEMENT AND BARRIER CONSTRUCTION

LEGEND:

(43) - NEW BENT NUMBER
2-1 - OLD BENT NUMBER
TEMPORARY SHORING TOWER
WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

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WORK ZONE TRAFFIC CONTROL
AT-GRADE
STAGE 1-2
SHEET 2

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-R1-22
SHEET NO.

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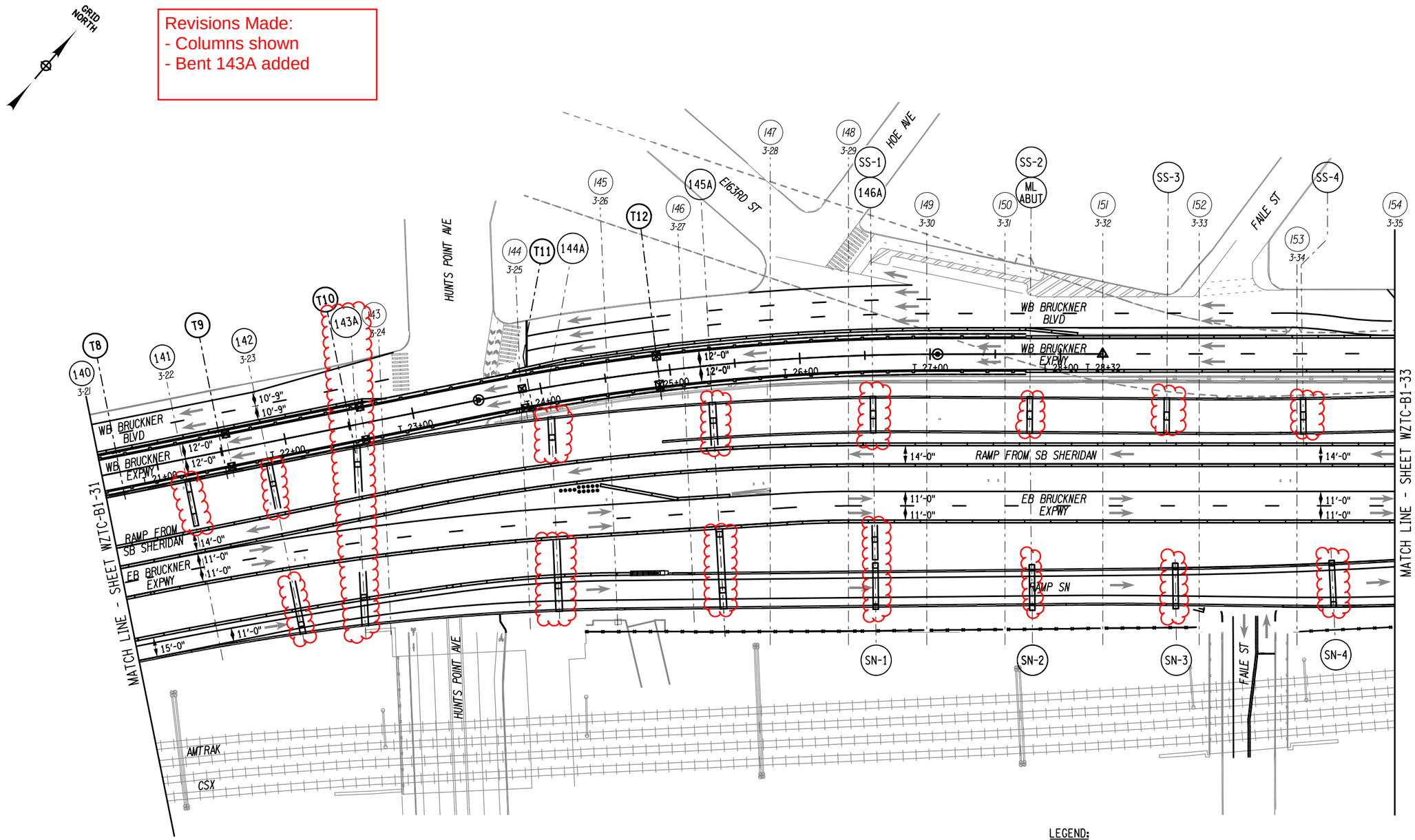
DATE/TIME = Thursday, July 21, 2022 11:24:59 AM
USER = Lawrence.Ise

Revisions Made:
- Columns shown
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- ⊠ TEMPORARY SHORING TOWER
- WORK ZONE

40′ 0 40′ 80′ 120′ 160′

1"=80′

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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CONTRACT 3
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COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1-3
BRIDGE
SHEET 2

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-B1-32
SHEET NO.

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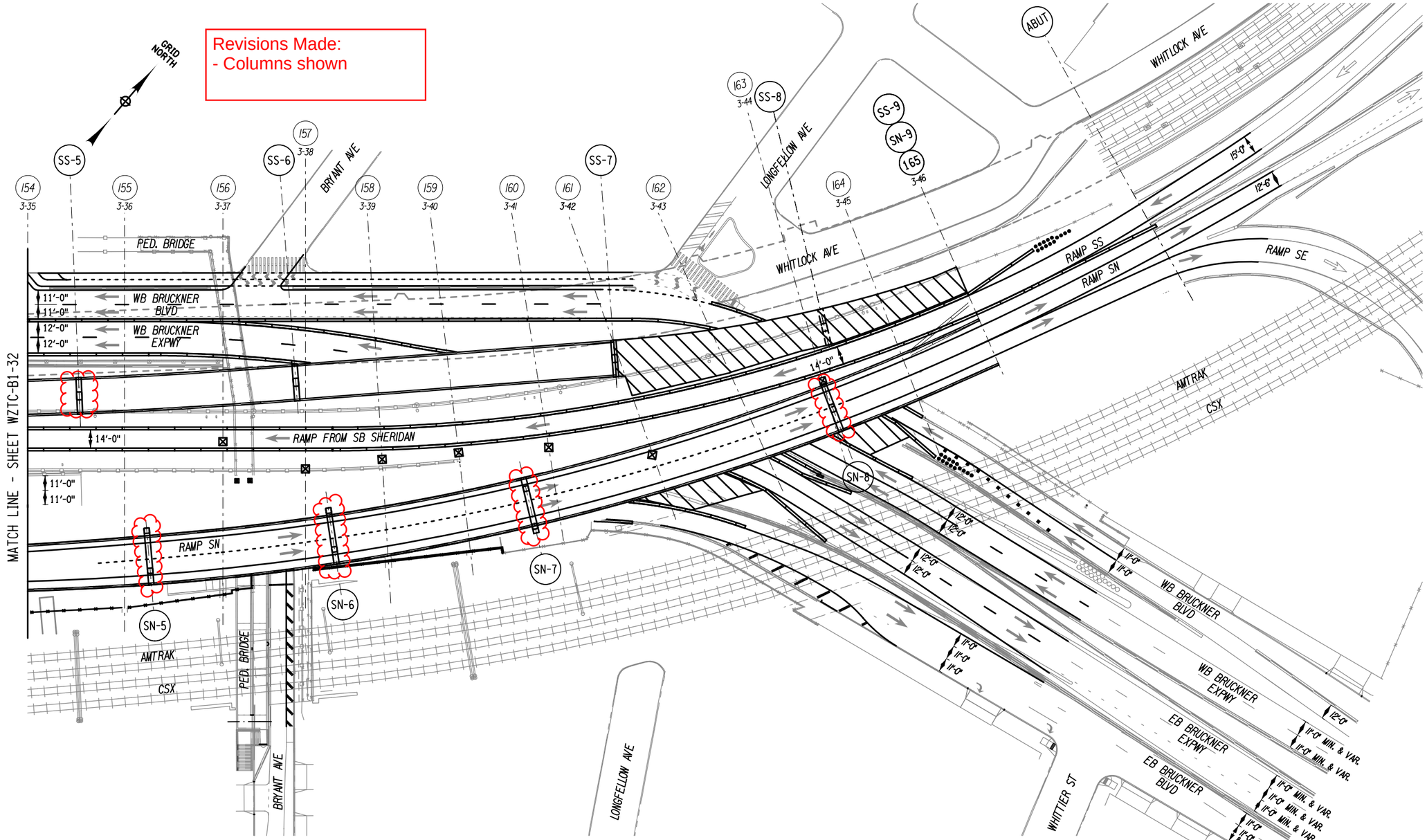
DATE/TIME = Thursday, July 21, 2022 02:47:03 PM
USER = Lawrence, Ise

Revisions Made:
- Columns shown



LEGEND:

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2-1 - OLD BENT NUMBER

TEMPORARY SHORING TOWER

WORK ZONE

40' 0 40' 80' 120' 160'

1"=80'

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COUNTY: BRONX REGION: 11

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BRIDGES

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ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 1-3
BRIDGE
SHEET 3

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-B1-33
SHEET NO.

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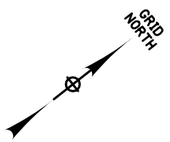
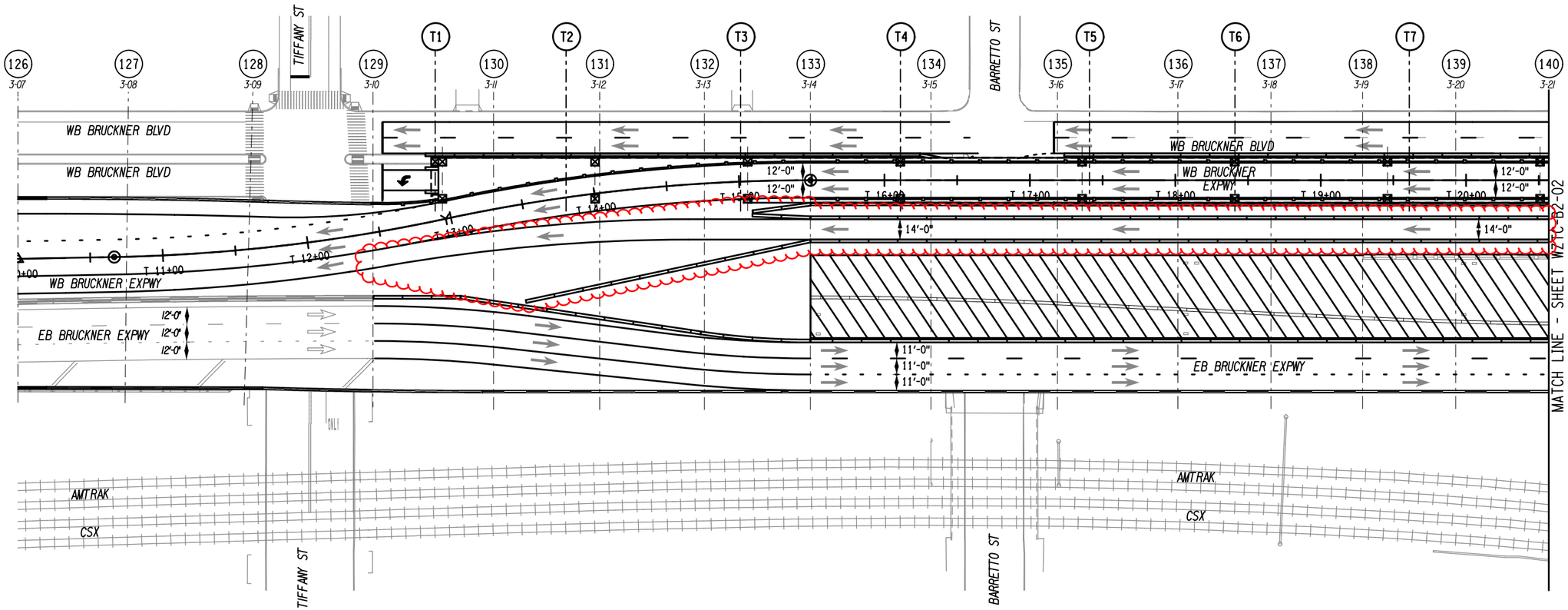
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_B1_3_103-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 04:46:38 PM
USER = Lawrence.Ise

Revisions made:
- SB Sheridan Lane shifted





LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- ⊠ TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 2
BRIDGE
SHEET 1

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-B2-01
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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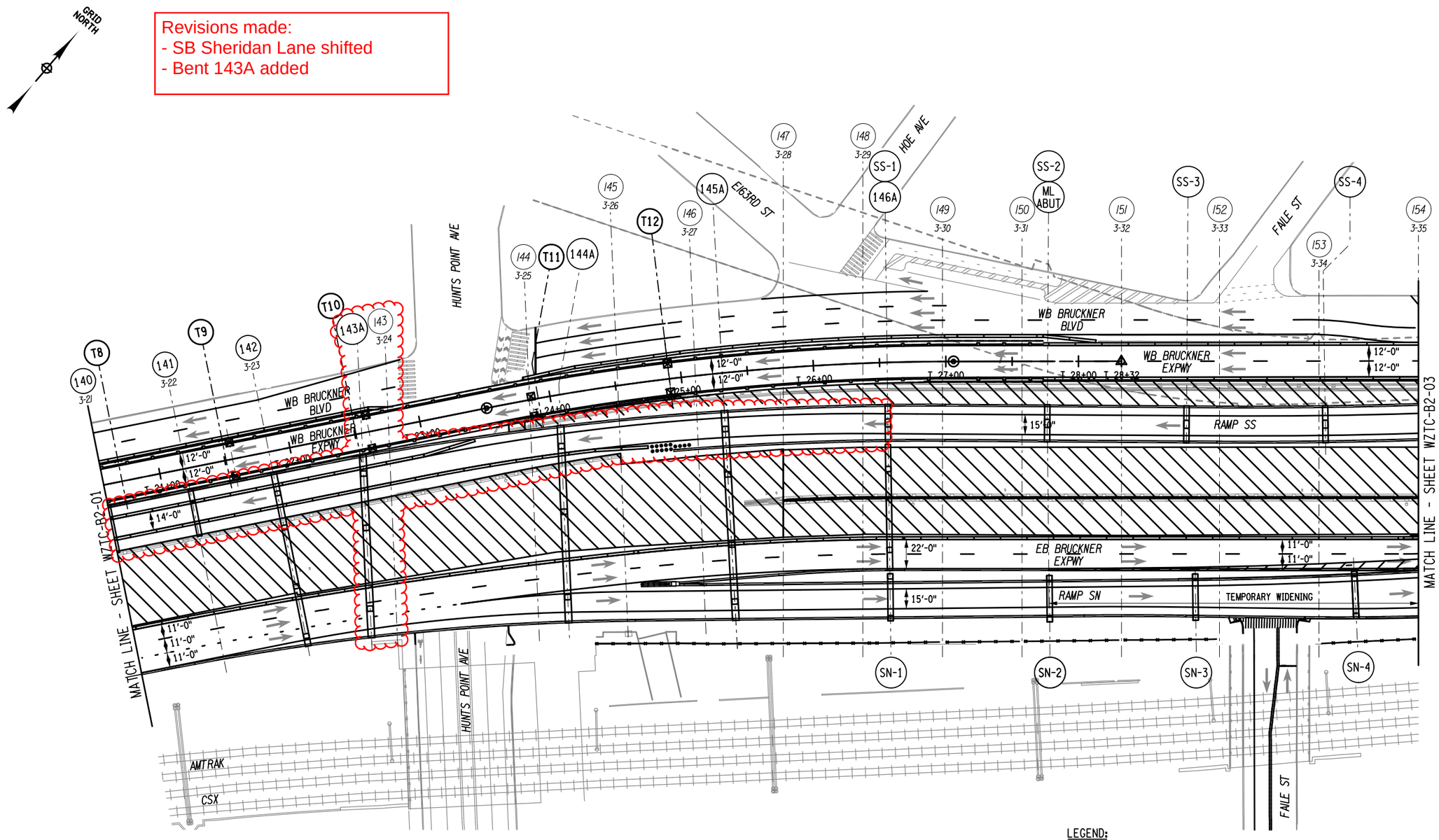
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_B2_101-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 12:31:51 PM
USER = Lawrence.Tse

Revisions made:
- SB Sheridan Lane shifted
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- TEMPORARY SHORING TOWER
- WORK ZONE
- TEMPORARY WIDENING

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
STAGE 2
BRIDGE
SHEET 2

CONTRACT NUMBER D900055
DRAWING NO. WZTC-B2-02
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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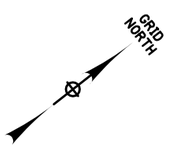
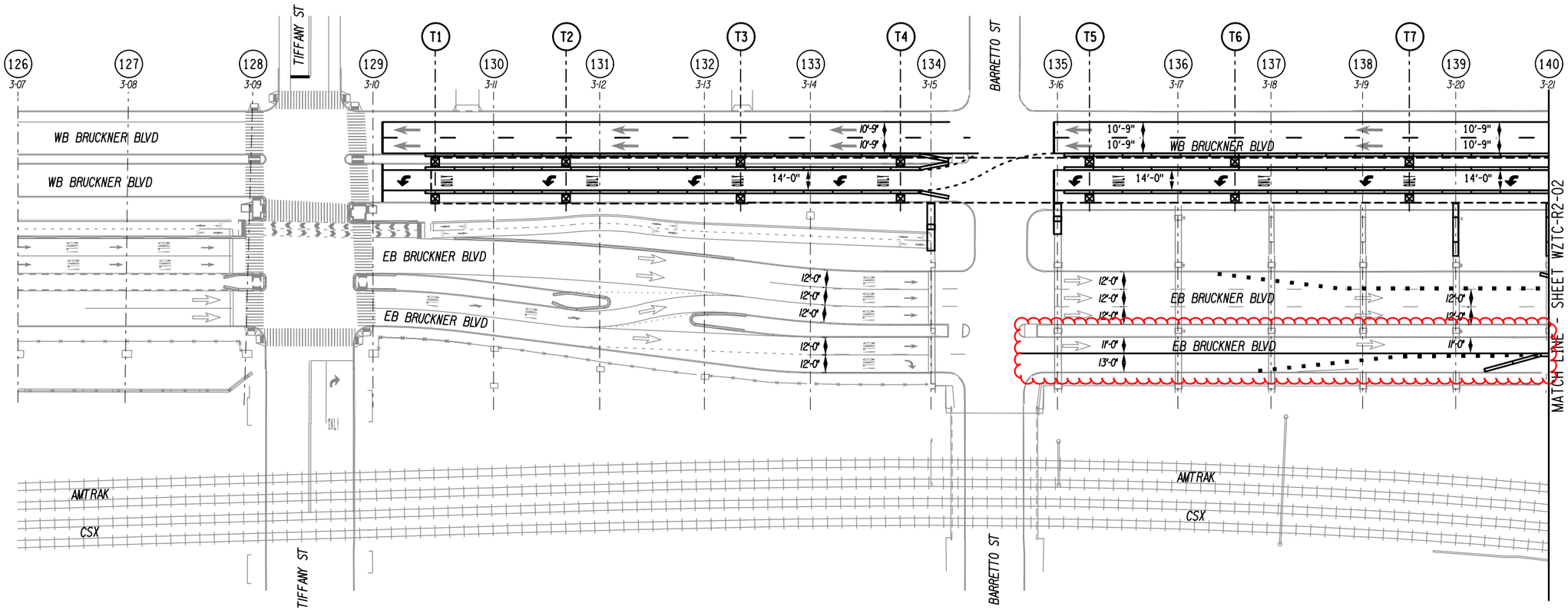
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_B2_102-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 12:11:11 PM
USER = Lawrence.Ise

Revisions made:
- EB Bruckner Blvd revised





LEGEND:

(43) - NEW BENT NUMBER

2-1 - OLD BENT NUMBER

⊠ TEMPORARY SHORING TOWER

WORK ZONE

40' 0 40' 80' 120' 160'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
AT-GRADE
STAGE 2
SHEET 1

CONTRACT NUMBER
D900055

DRAWING NO. WZTC-R2-01
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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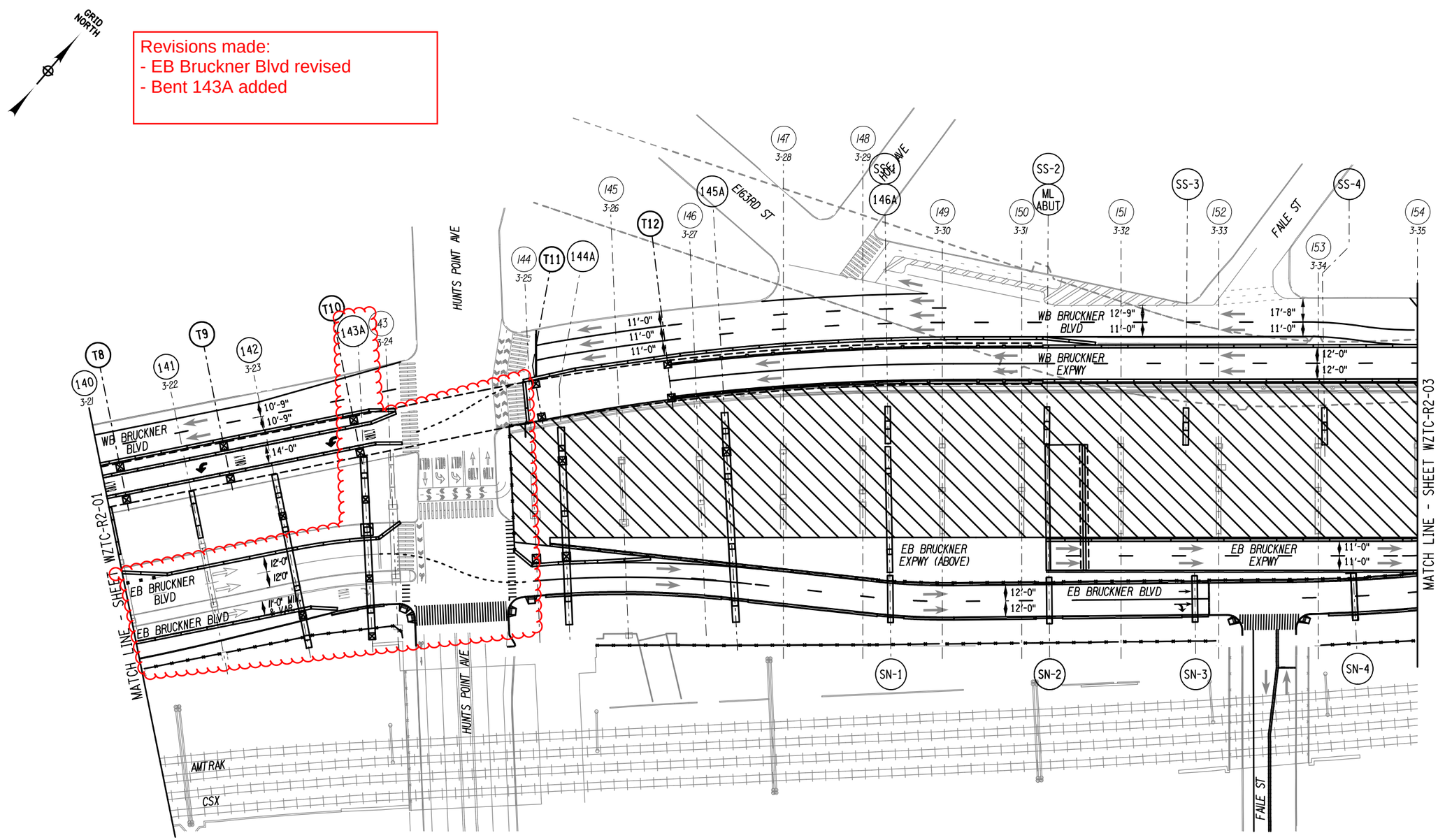
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_G2_101-AECOM.dgn [
DATE/TIME = Thursday, July 21, 2022 11:28:10 AM
USER = Lawrence.Tse

Revisions made:
- EB Bruckner Blvd revised
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- ⊠ TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
AT-GRADE
STAGE 2
SHEET 2

CONTRACT NUMBER D900055

DRAWING NO. WZTC-R2-02
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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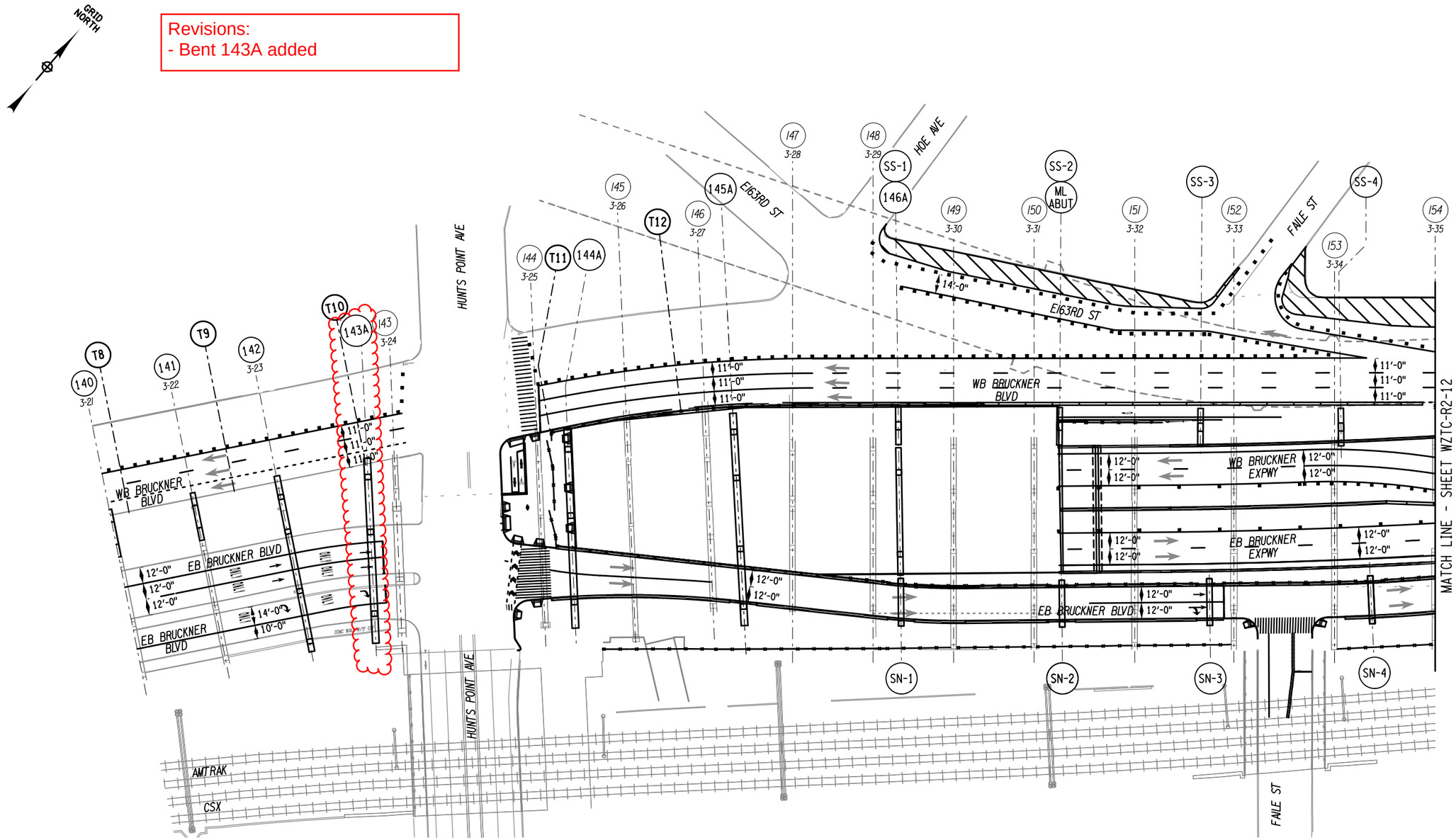
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw://.../.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_G2_102-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 11:44:38 AM
USER = Lawrence.Ise

Revisions:
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'
1"=80'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
AT-GRADE
STAGE 2-1
SHEET 1

CONTRACT NUMBER D900055
DRAWING NO. WZTC-R2-11
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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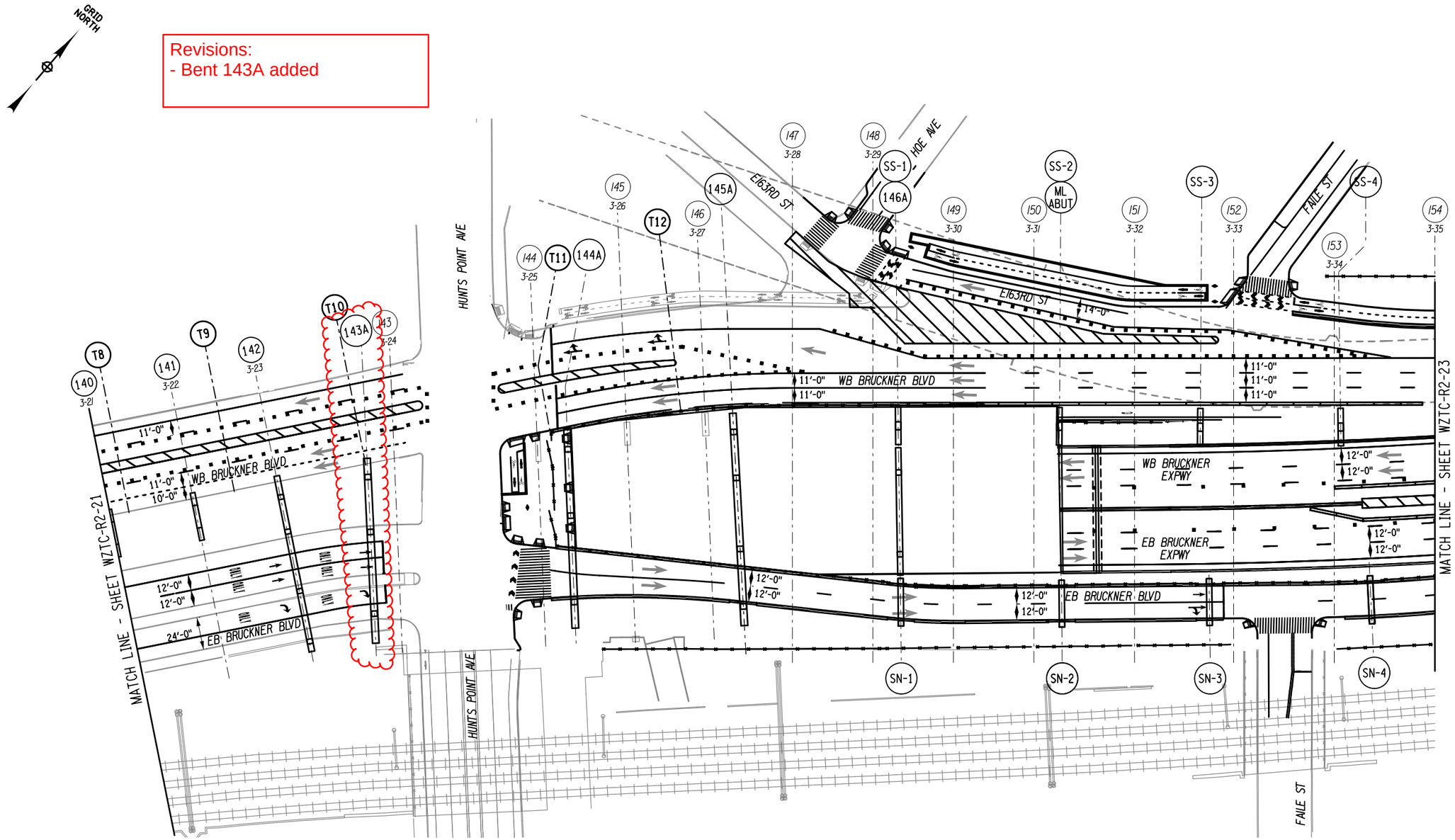
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:\\...\X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_G2-1_101-AECOM.dgn
DATE/TIME = Wednesday, July 20, 2022 04:34:56 PM
USER = Alan.Huang

Revisions:
- Bent 143A added



LEGEND:

- (43) - NEW BENT NUMBER
- 2-1 - OLD BENT NUMBER
- ⊠ TEMPORARY SHORING TOWER
- WORK ZONE

40' 0 40' 80' 120' 160'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
WORK ZONE TRAFFIC CONTROL
AT-GRADE
STAGE 2-2
SHEET 2

CONTRACT NUMBER D900055

DRAWING NO. WZTC-R2-22
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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DRAFTING
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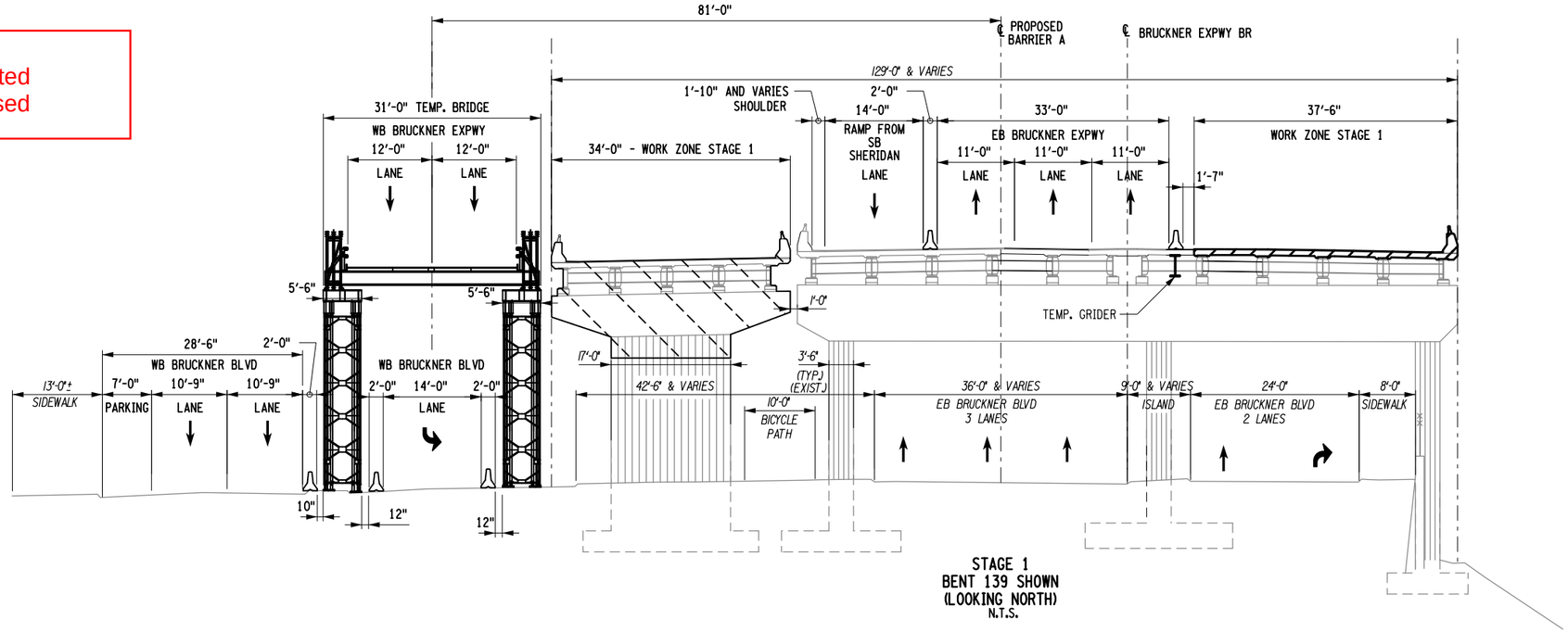
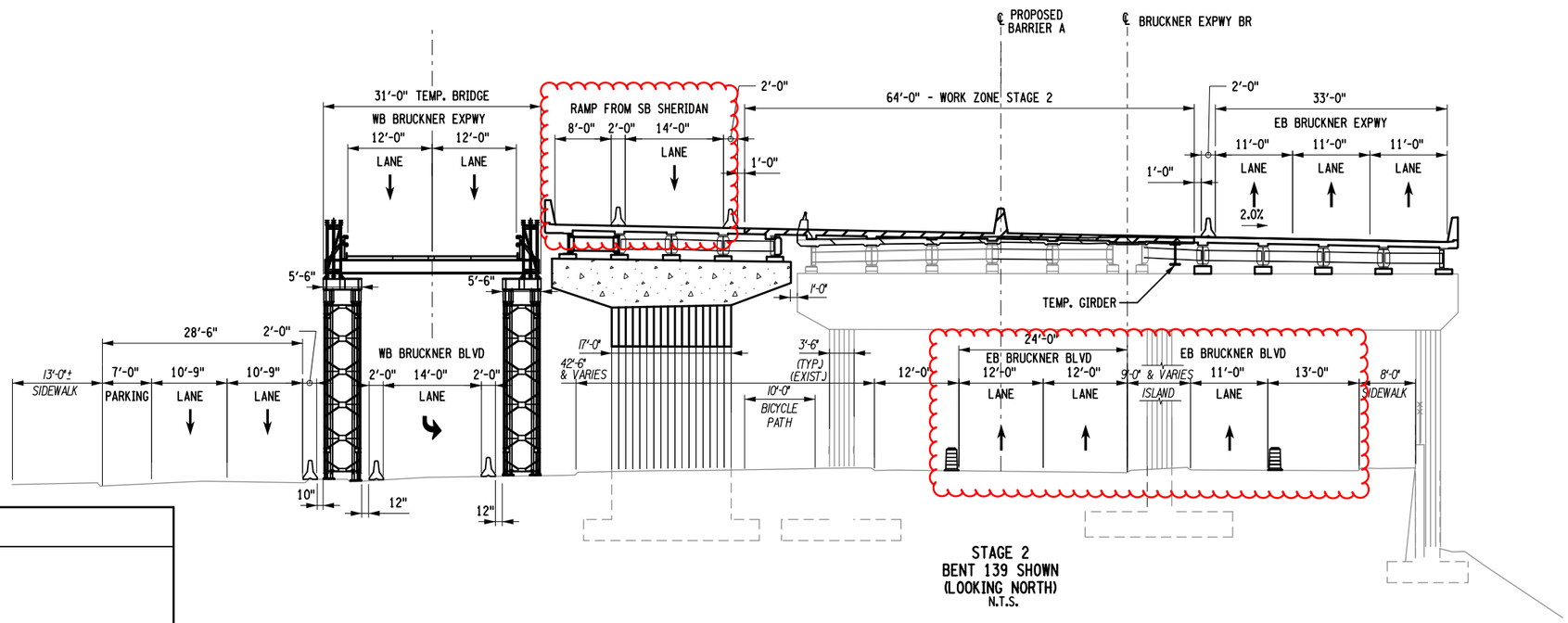
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_MPP_G2-2.102-AECOM.dgn
DATE/TIME = Monday, July 18, 2022 11:57:18 AM
USER = Alan.Huang

Revisions made:
- SB Sheridan Lane shifted
- EB Bruckner Blvd revised



STAGE 1
BENT 139 SHOWN
(LOOKING NORTH)
N.T.S.



STAGE 2
BENT 139 SHOWN
(LOOKING NORTH)
N.T.S.

LEGEND:
- REMOVAL
- PROPOSED WORK

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 1-1
STAGE 1 AND STAGE 2
BENT 139

CONTRACT NUMBER D900055
DRAWING NO. WZXS-1-2
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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DRAFTING
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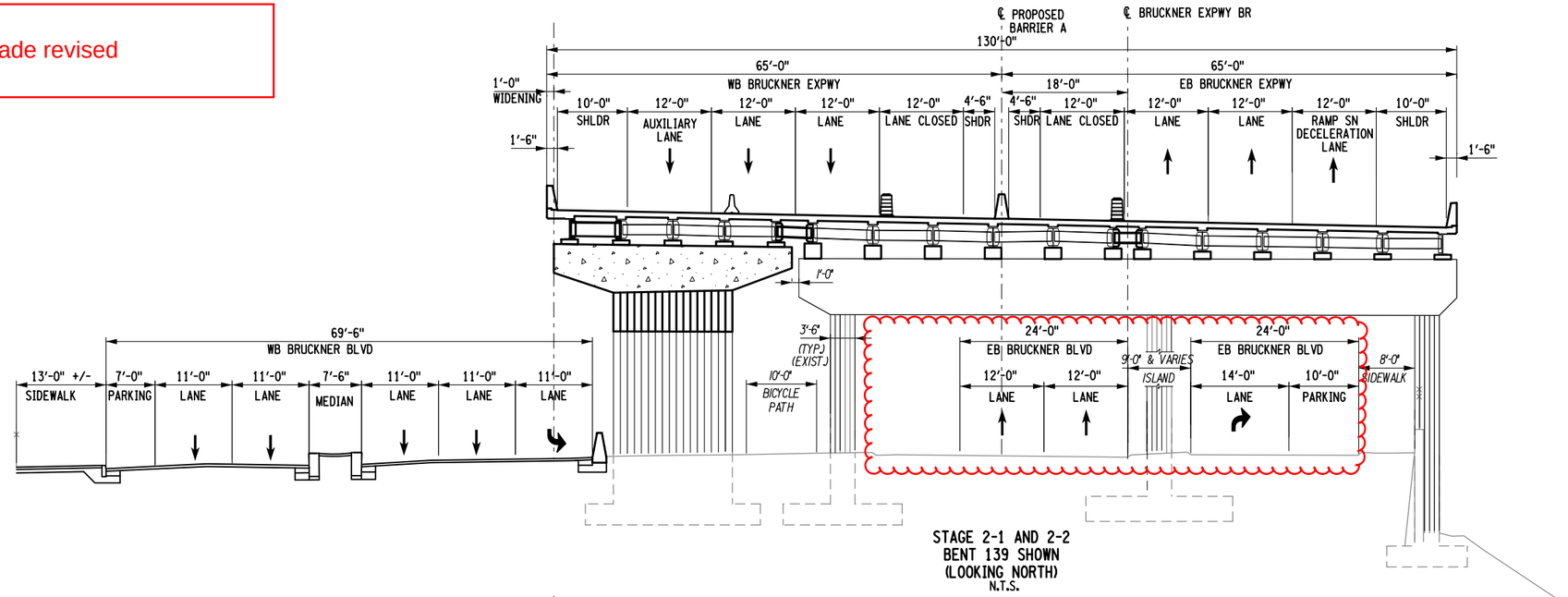
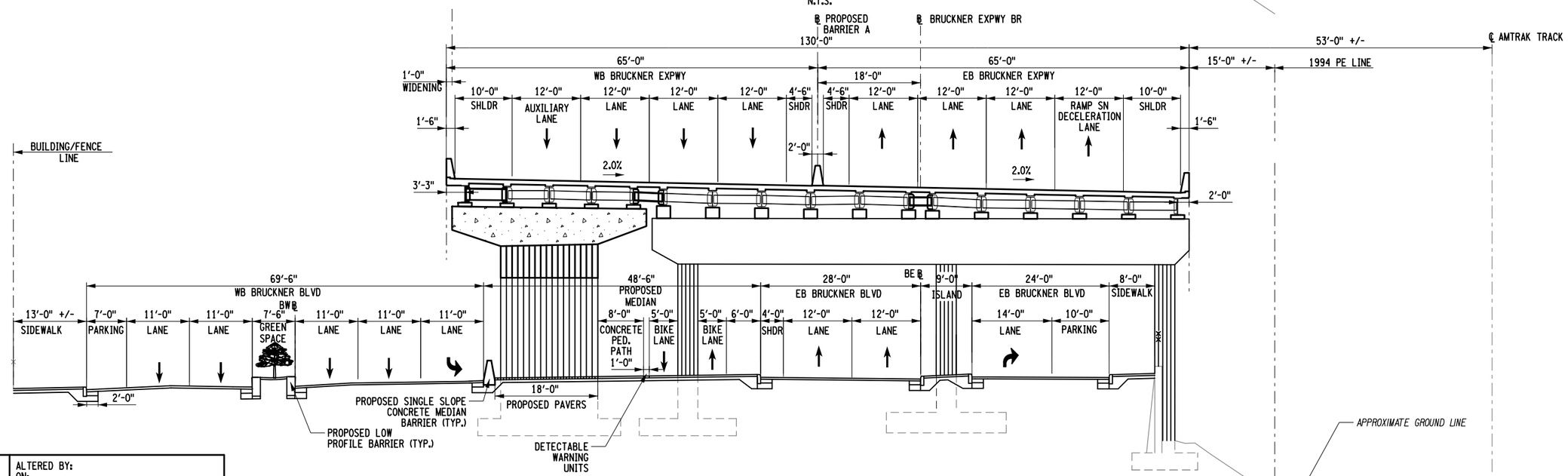
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_102-AECOM.dgn
DATE/TIME = Thursday, July 21, 2022 12:05:46 PM
USER = Lawrence.Ise

Revisions:
- Stage 2-1/2-2 at-grade revised



STAGE 2-1 AND 2-2
BENT 139 SHOWN
(LOOKING NORTH)
N.T.S.



TYPICAL PROPOSED SECTION
BENT 139 SHOWN
(LOOKING NORTH)
N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 1-1
STAGE 2-1, 2-2 AND PROPOSED CONDITION
BENT 139

CONTRACT NUMBER D900055
DRAWING NO. WZXS-1-3
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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DRAFTING
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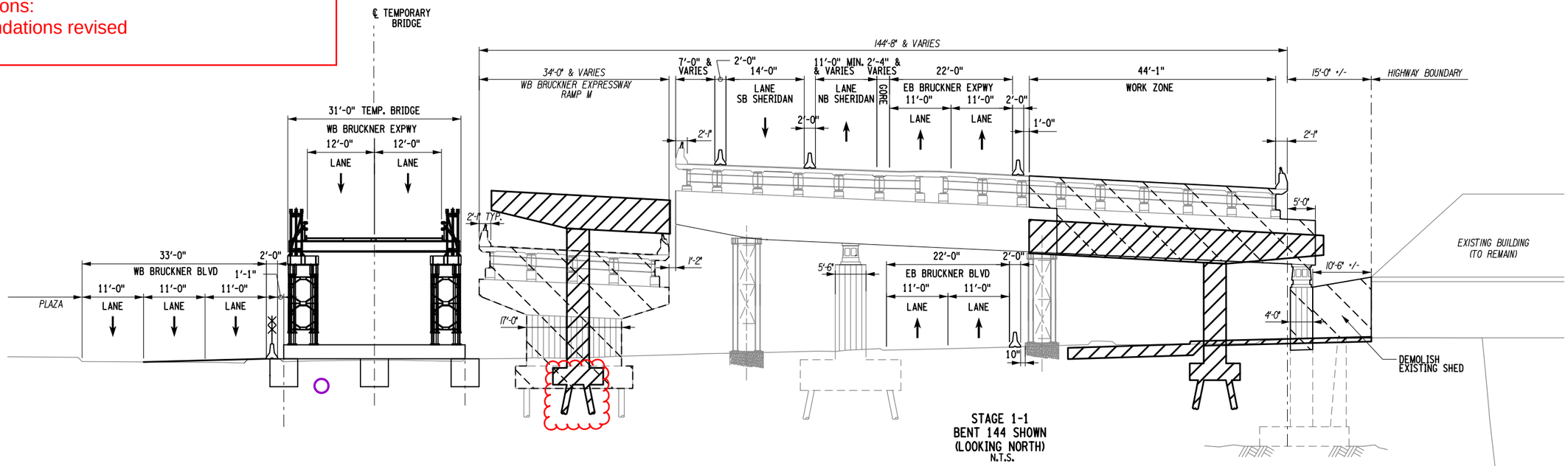
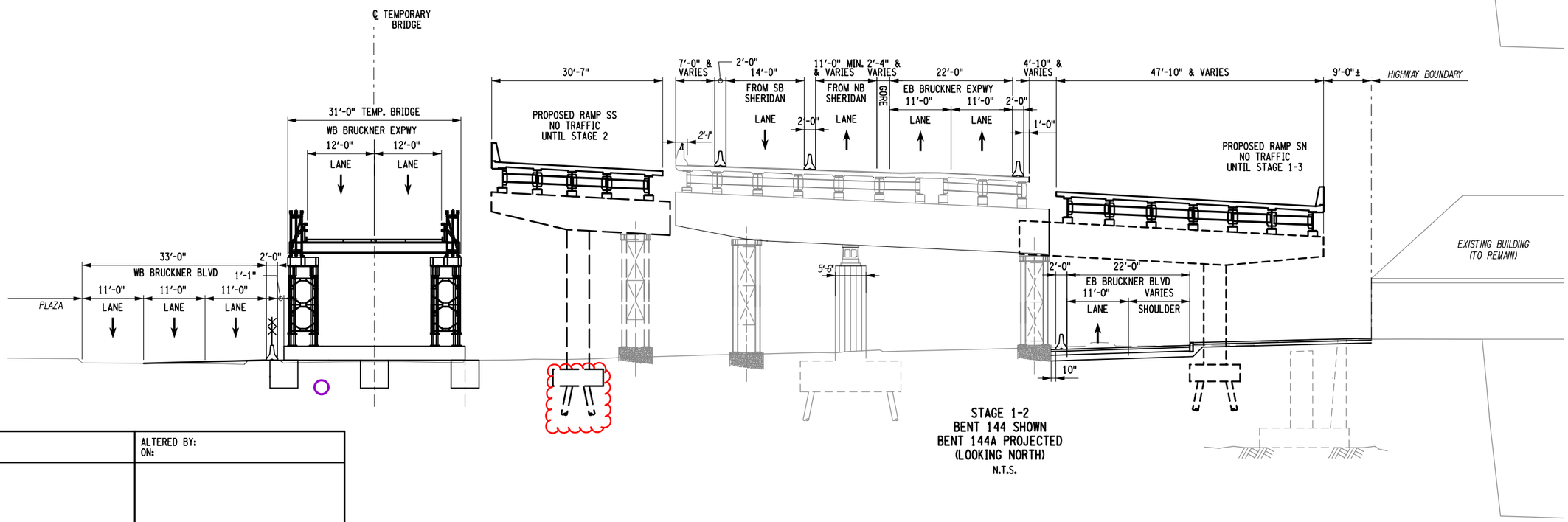
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:\\...\X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_103-AECOM.dgn
DATE/TIME = Tuesday, July 19, 2022 08:55:35 AM
USER = selzerd

Revisions:
- Foundations revised



STAGE 1-1
BENT 144 SHOWN
(LOOKING NORTH)
N.T.S.



STAGE 1-2
BENT 144 SHOWN
BENT 144A PROJECTED
(LOOKING NORTH)
N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 2-2
STAGE 1-1 AND 1-2
BENT 144

CONTRACT NUMBER
D900055

DRAWING NO. WZXS-2-2
SHEET NO.

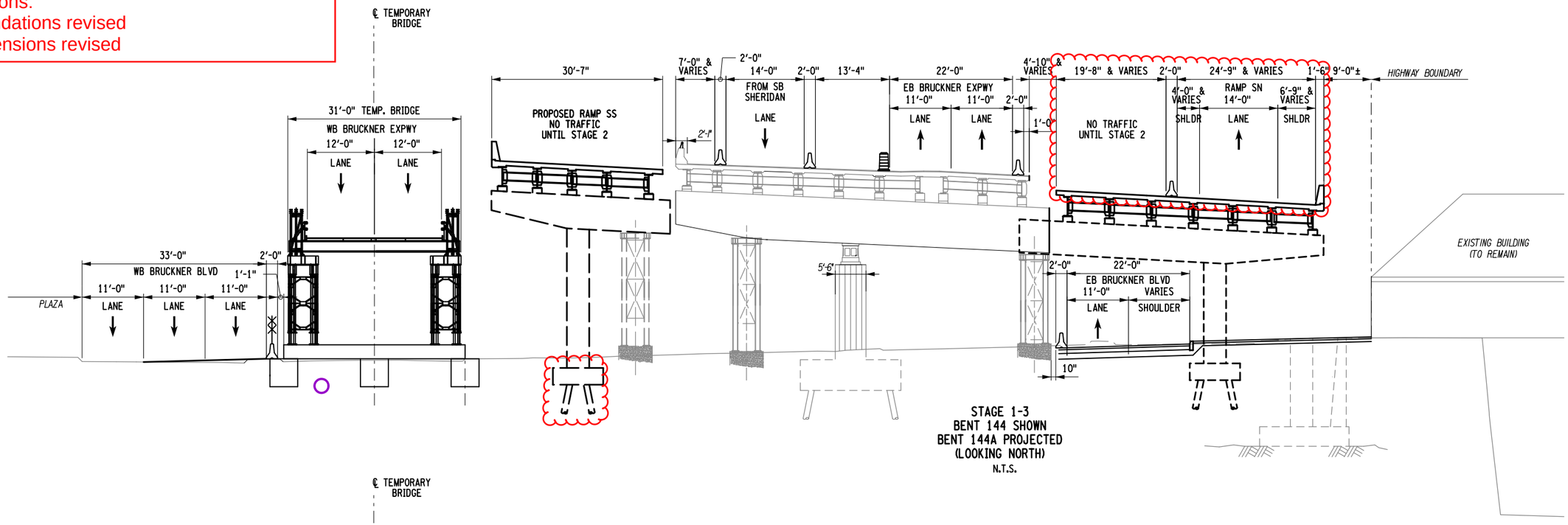
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

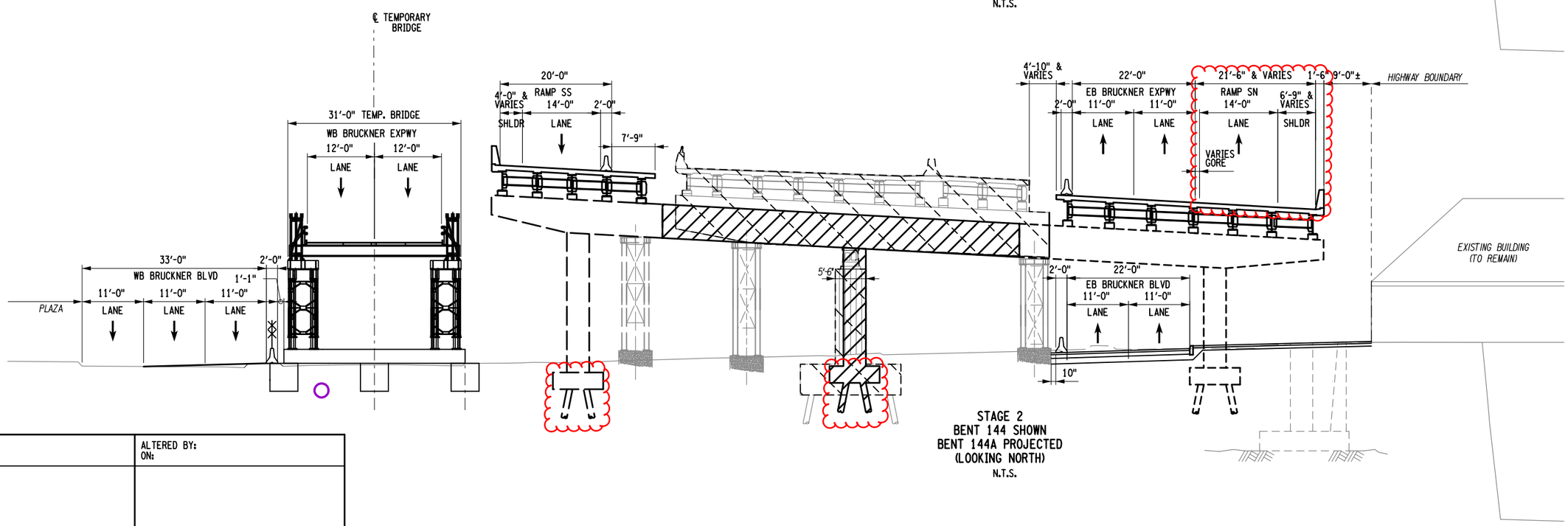
PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw://.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_202-AECOM.dgn
DATE/TIME = Tuesday, July 19, 2022 08:39:08 AM
USER = seizerd

Revisions:
- Foundations revised
- Dimensions revised



STAGE 1-3
BENT 144 SHOWN
BENT 144A PROJECTED
(LOOKING NORTH)
N.T.S.



STAGE 2
BENT 144 SHOWN
BENT 144A PROJECTED
(LOOKING NORTH)
N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 2-2
STAGE 1-3 AND 2
BENT 144

CONTRACT NUMBER
D900055

DRAWING NO. WZXS-2-3
SHEET NO.

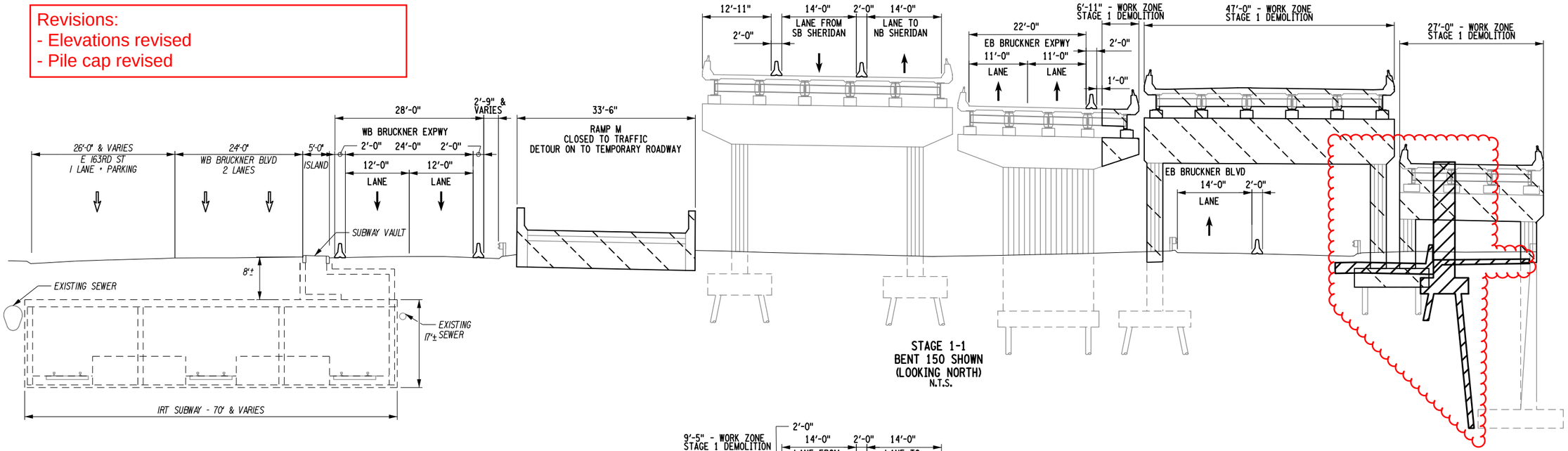
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

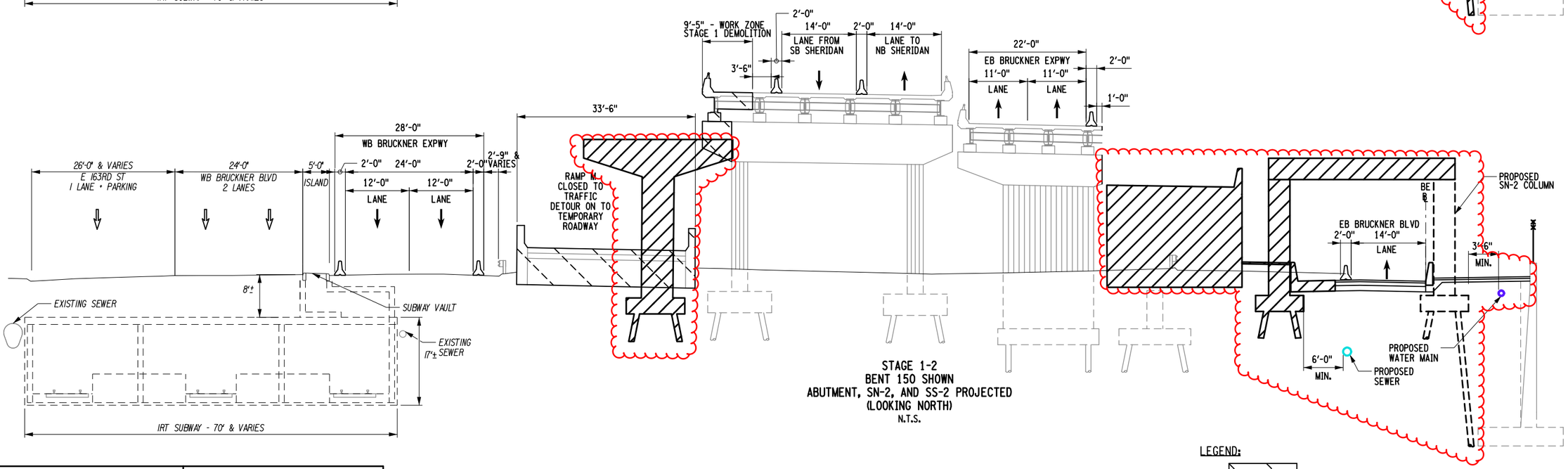
PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw://..../..../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_203-AECOM.dgn
DATE/TIME = Tuesday, July 19, 2022 08:40:34 AM
USER = seizerd

Revisions:
- Elevations revised
- Pile cap revised



STAGE 1-1
BENT 150 SHOWN
(LOOKING NORTH)
N.T.S.



STAGE 1-2
BENT 150 SHOWN
ABUTMENT, SN-2, AND SS-2 PROJECTED
(LOOKING NORTH)
N.T.S.

LEGEND:

- REMOVAL
- PROPOSED WORK

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 3-3
STAGE 1-1 AND STAGE 1-2
BENT 150

CONTRACT NUMBER
D900055

DRAWING NO. WZXS-3-2
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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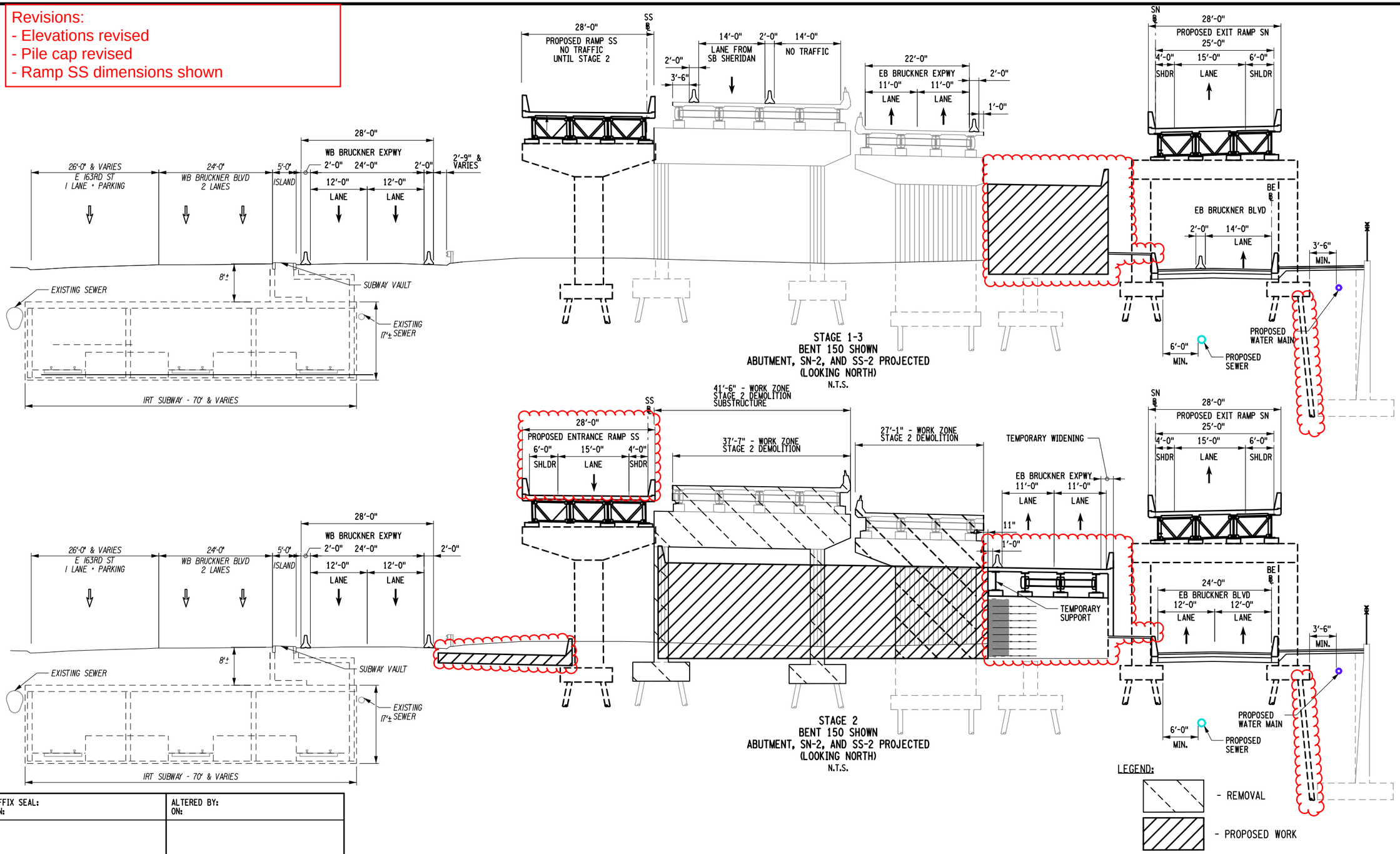
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw://.../.../.../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/CIVIL/WZTC/X73165_CPB_SEC_MPP_302-AECOM.dgn
DATE/TIME = Tuesday, July 19, 2022 08:37:53 AM
USER = selzerd

Revisions:
- Elevations revised
- Pile cap revised
- Ramp SS dimensions shown



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 3-3
STAGE 1-3 AND STAGE 2
BENT 150

CONTRACT NUMBER
D900055

DRAWING NO. WZXS-3-3
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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DESIGN SUPERVISOR

FILE NAME = pw:\\\...\X731.65_Hunts Point Truck Access - Contract 3\CAD\01 AECOM\Civil\WZTC\X73165_CPB_SEC_MPP_303-AECOM.dgn
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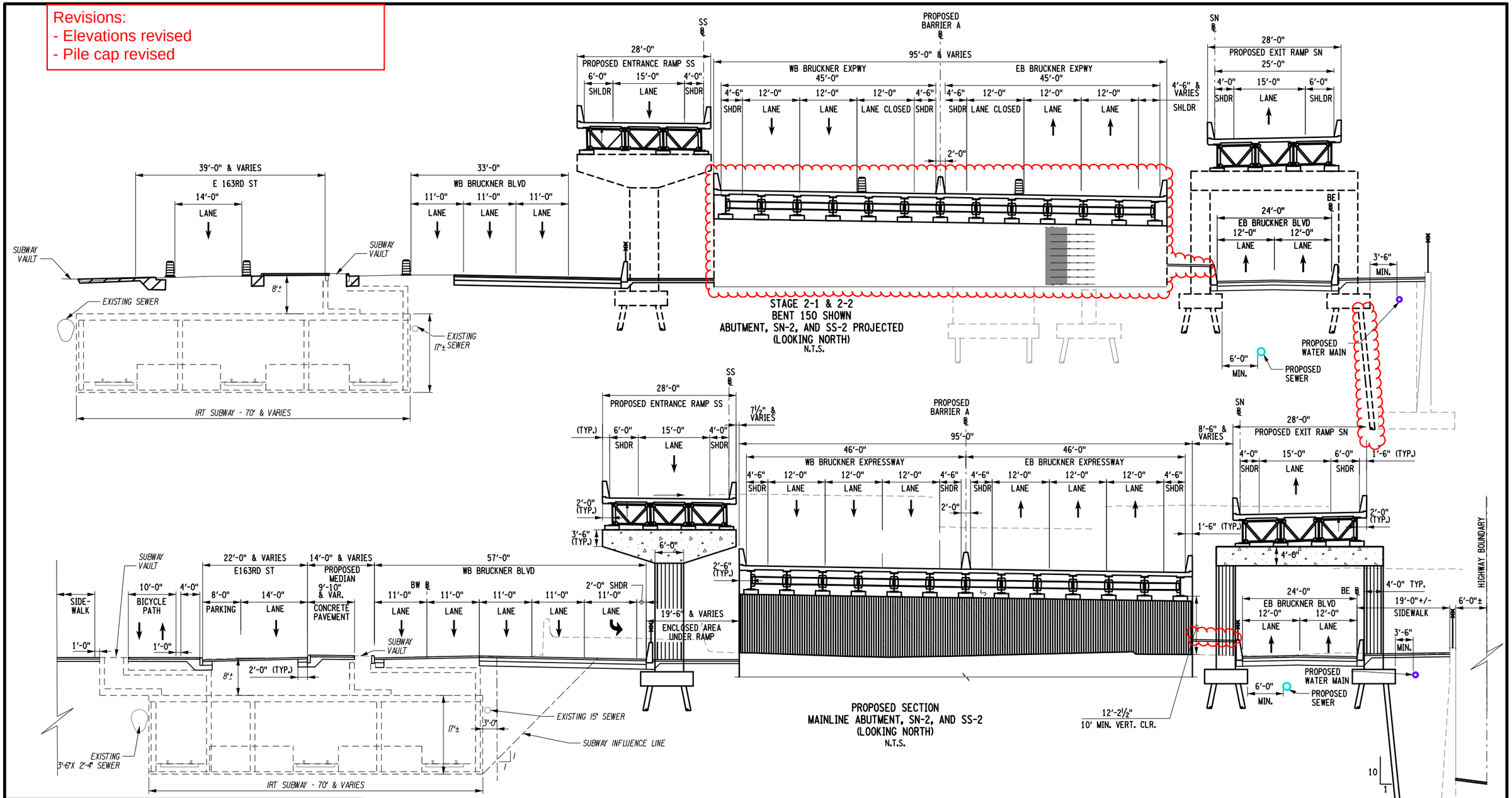
Revisions:
- Elevations revised
- Pile cap revised



LEGEND:

- PROPOSED WORK

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 3-3
STAGE 2-1 AND PROPOSED CONDITION
BENT 150

CONTRACT NUMBER
D900055

DRAWING NO. WZXS-3-4
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_304-AECOM.dgn [
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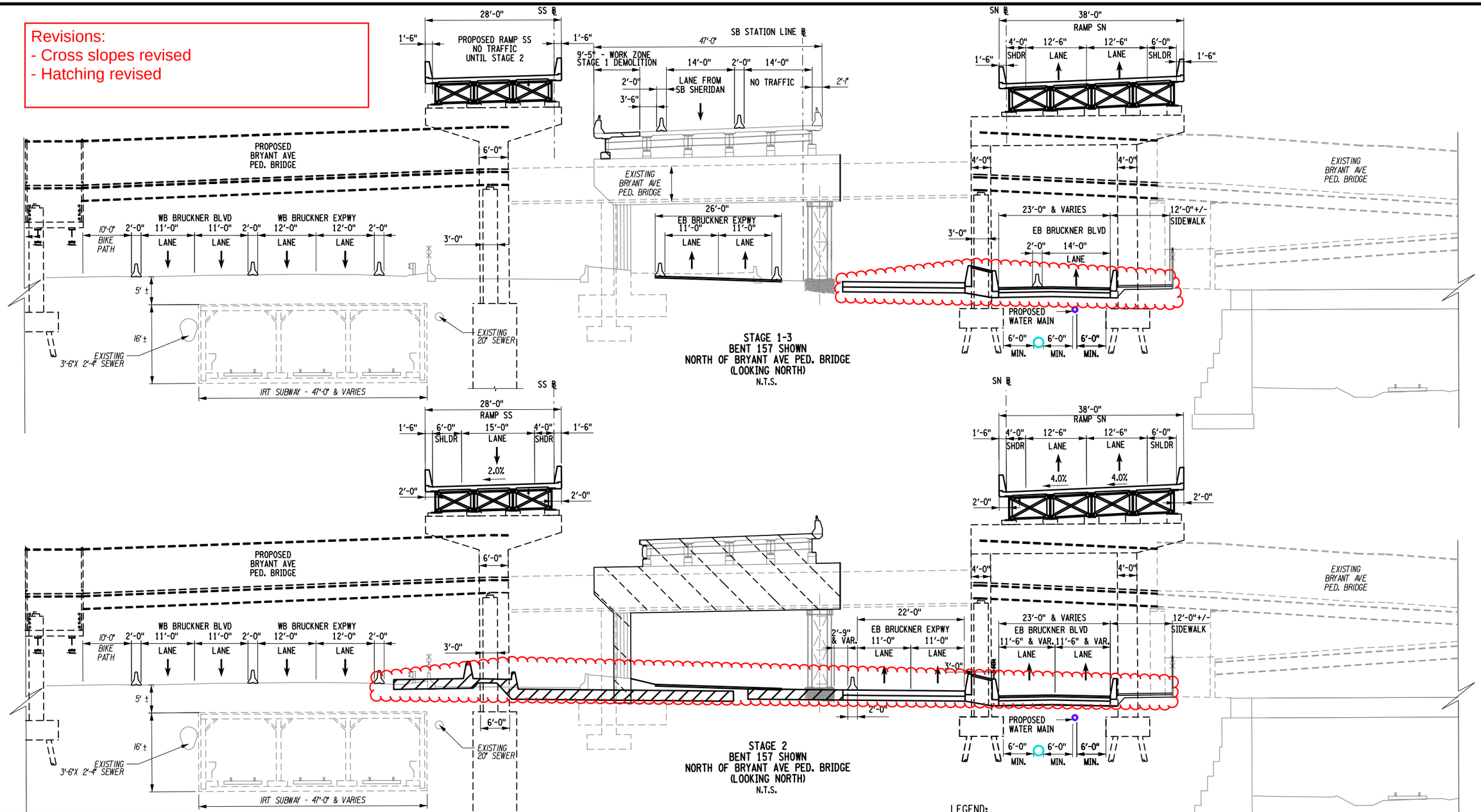
USER = seizerd

Revisions:
- Cross slopes revised
- Hatching revised



LEGEND:

- REMOVAL
- PROPOSED WORK

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 4-4
STAGE 1-3 AND STAGE 2
BENT 157

CONTRACT NUMBER
D900055

DRAWING NO. WZXS-4-3
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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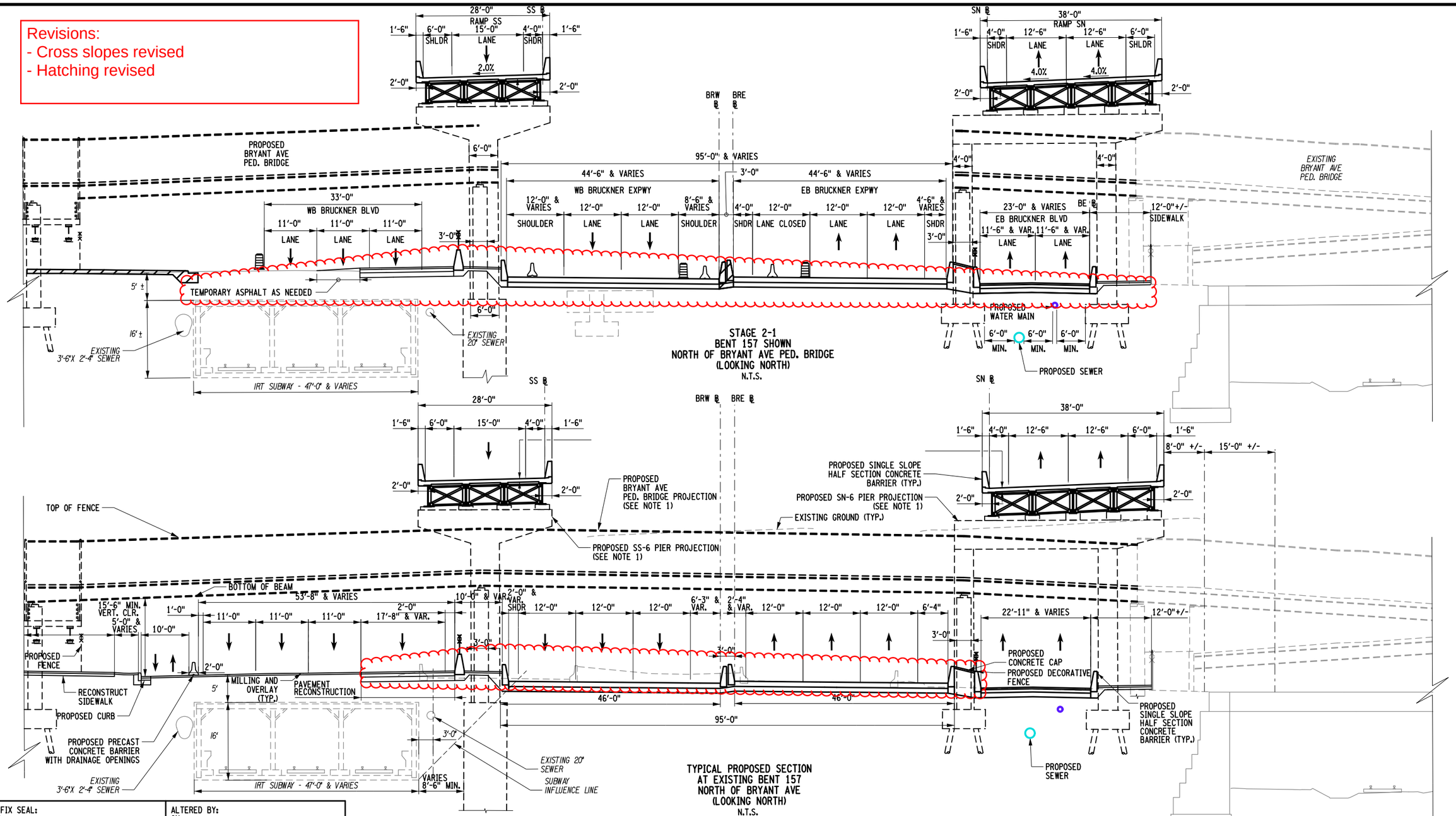
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_403-AECOM.dgn
DATE/TIME = Tuesday, July 19, 2022 08:33:40 AM
USER = selzerd

Revisions:
- Cross slopes revised
- Hatching revised



LEGEND:

- PROPOSED WORK

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
STAGING SECTION 4-4
STAGE 2-1 AND PROPOSED CONDITION
BENT 157

CONTRACT NUMBER D900055

DRAWING NO. WZXS-4-4

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPB_SEC_MPP_404-AECOM.dgn
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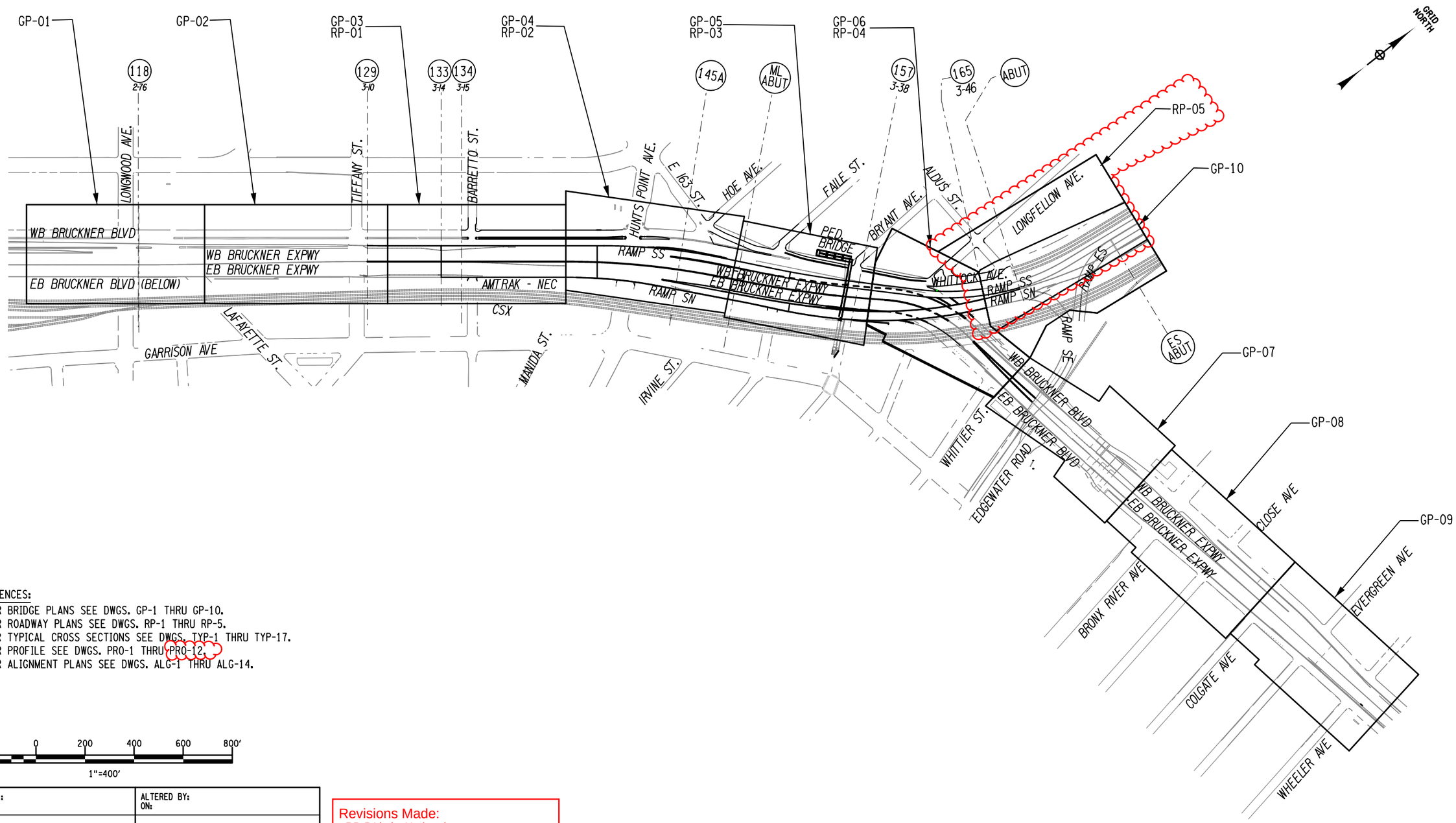
USER = seizerd



REFERENCES:

1. FOR BRIDGE PLANS SEE DWGS. GP-1 THRU GP-10.
2. FOR ROADWAY PLANS SEE DWGS. RP-1 THRU RP-5.
3. FOR TYPICAL CROSS SECTIONS SEE DWGS. TYP-1 THRU TYP-17.
4. FOR PROFILE SEE DWGS. PRO-1 THRU PRO-12.
5. FOR ALIGNMENT PLANS SEE DWGS. ALG-1 THRU ALG-14.

200 0 200 400 600 800'

1"=400'

AFFIX SEAL: ON:	ALTERED BY: ON:

Revisions Made:
- RP-5 Limits Updated

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED INDICATIVE PLANS KEY PLAN	CONTRACT NUMBER D900055 DRAWING NO. KP-1 SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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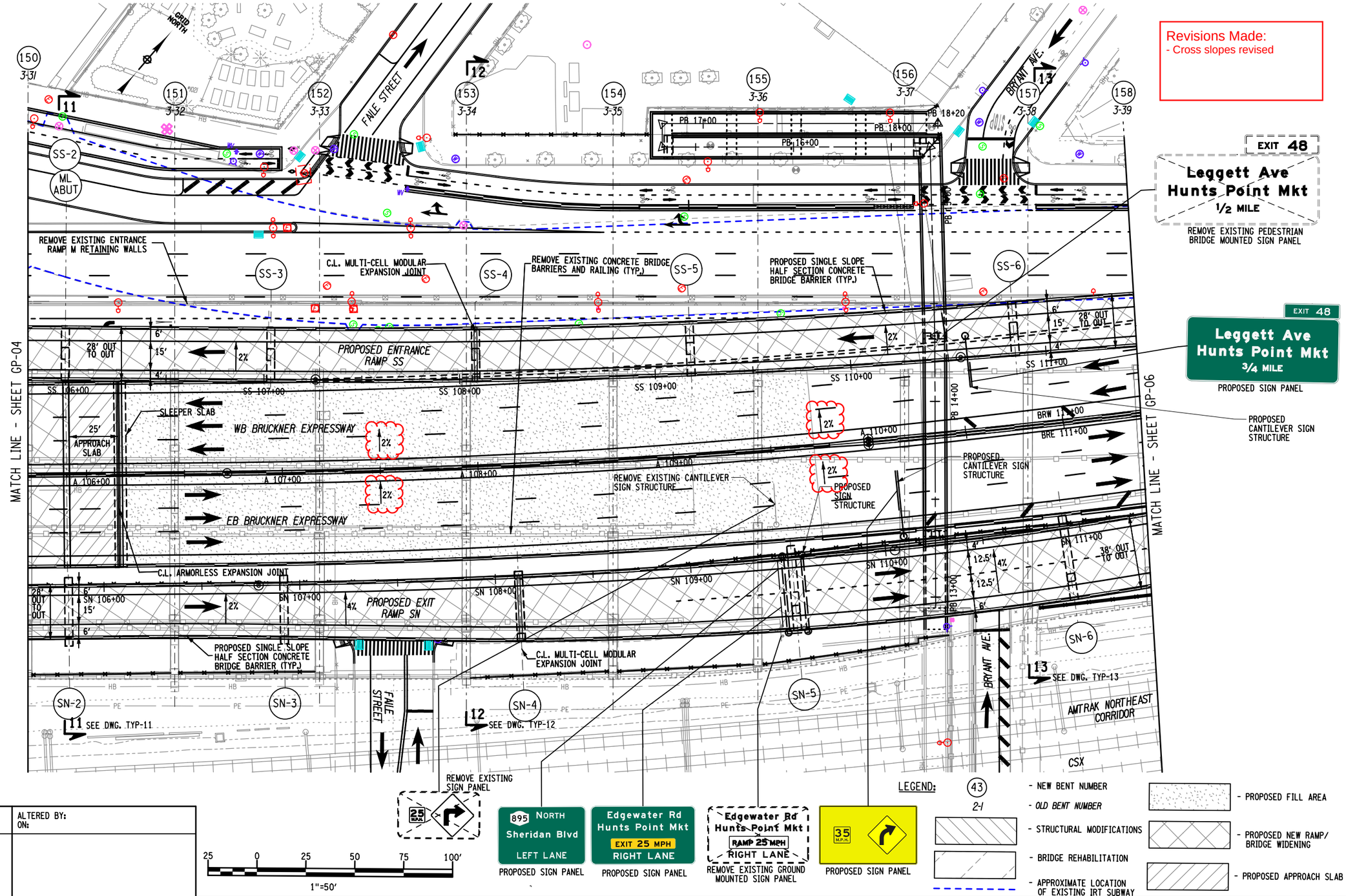
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_PRS_GNP_100-AECOM.dgn
DATE/TIME = Monday, June 27, 2022 11:59:17 AM
USER = uma.lakshman

Revisions Made:
- Cross slopes revised



LEGEND:

- (43) - NEW BENT NUMBER
- 2-I - OLD BENT NUMBER
- STRUCTURAL MODIFICATIONS
- BRIDGE REHABILITATION
- APPROXIMATE LOCATION OF EXISTING IRT SUBWAY
- PROPOSED FILL AREA
- PROPOSED NEW RAMP/ BRIDGE WIDENING
- PROPOSED APPROACH SLAB

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
GENERAL PLAN - 05

CONTRACT NUMBER D900055

DRAWING NO. GP-05
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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DESIGN
JOB MANAGER
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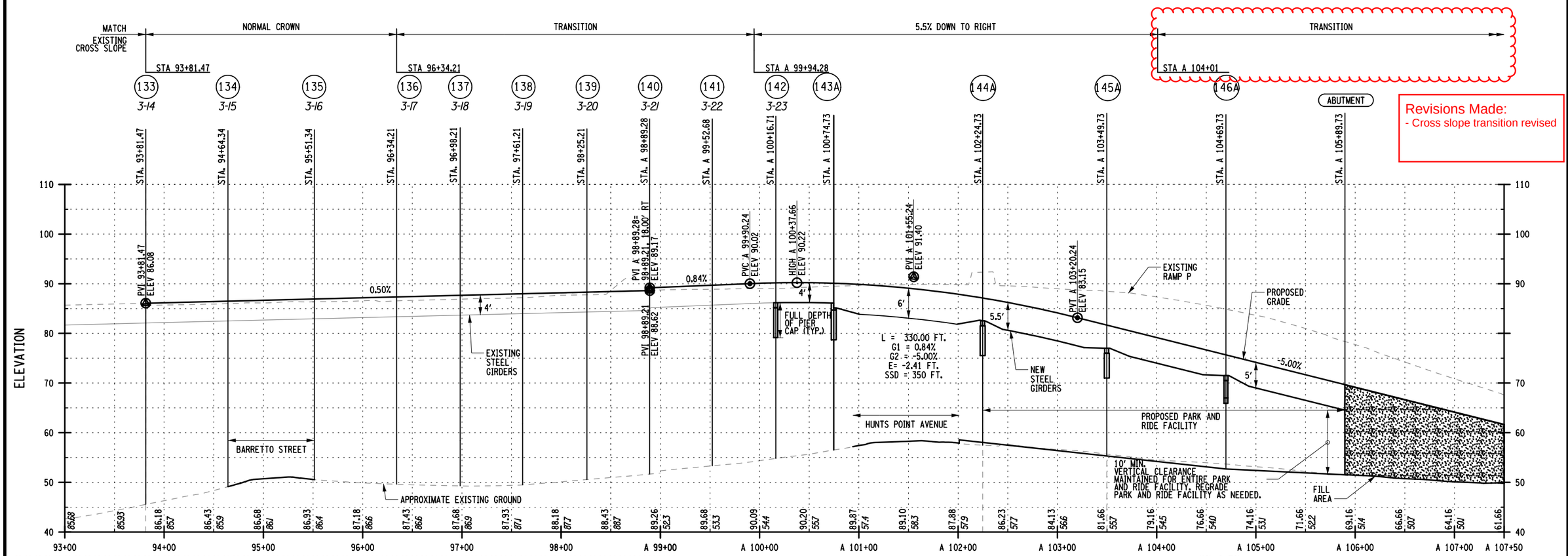
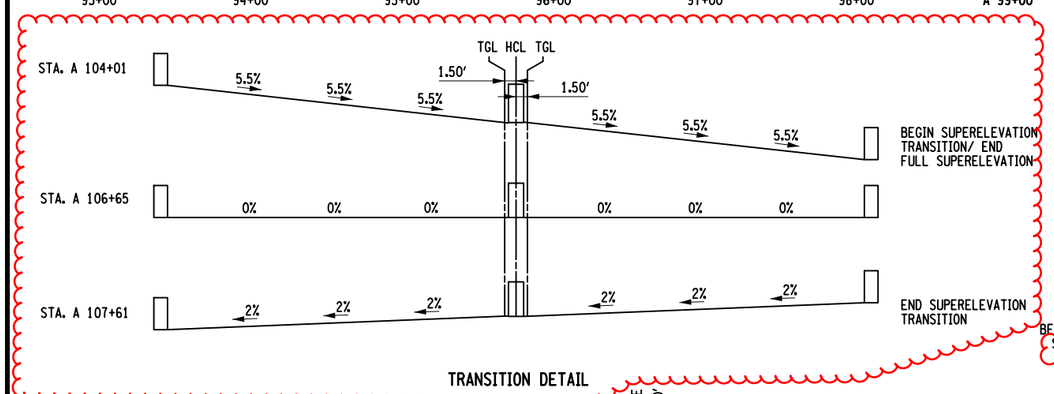
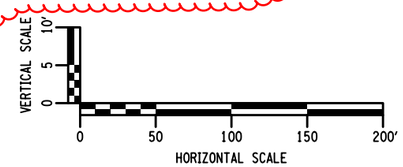
DATE/TIME = Tuesday, July 12, 2022 12:10:08 PM
USER = Alan.Huang

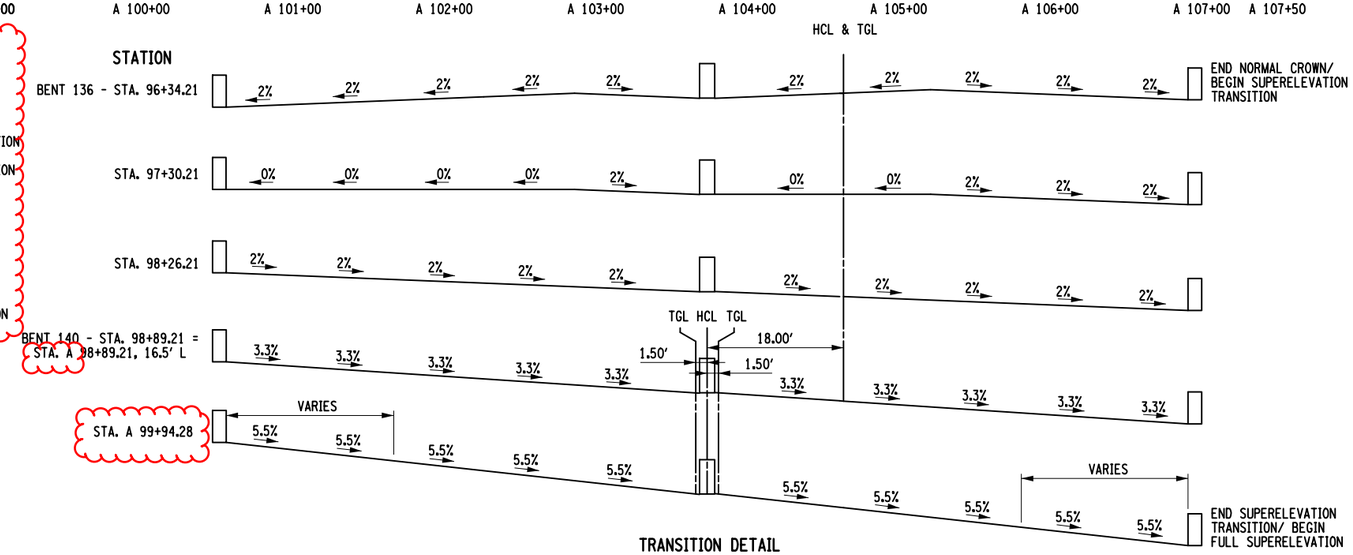


Revisions Made:
- Cross slope transition revised



TRANSITION DETAIL





TRANSITION DETAIL

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
BRUCKNER EXPRESSWAY (EASTBOUND)
PROFILE

CONTRACT NUMBER
D900055

DRAWING NO. PRO-1
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
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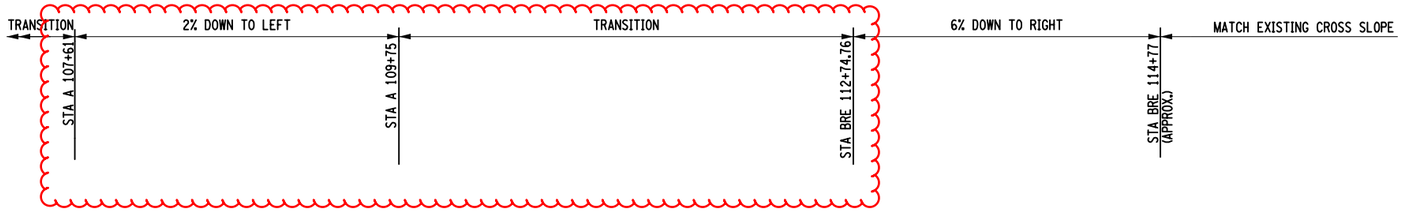
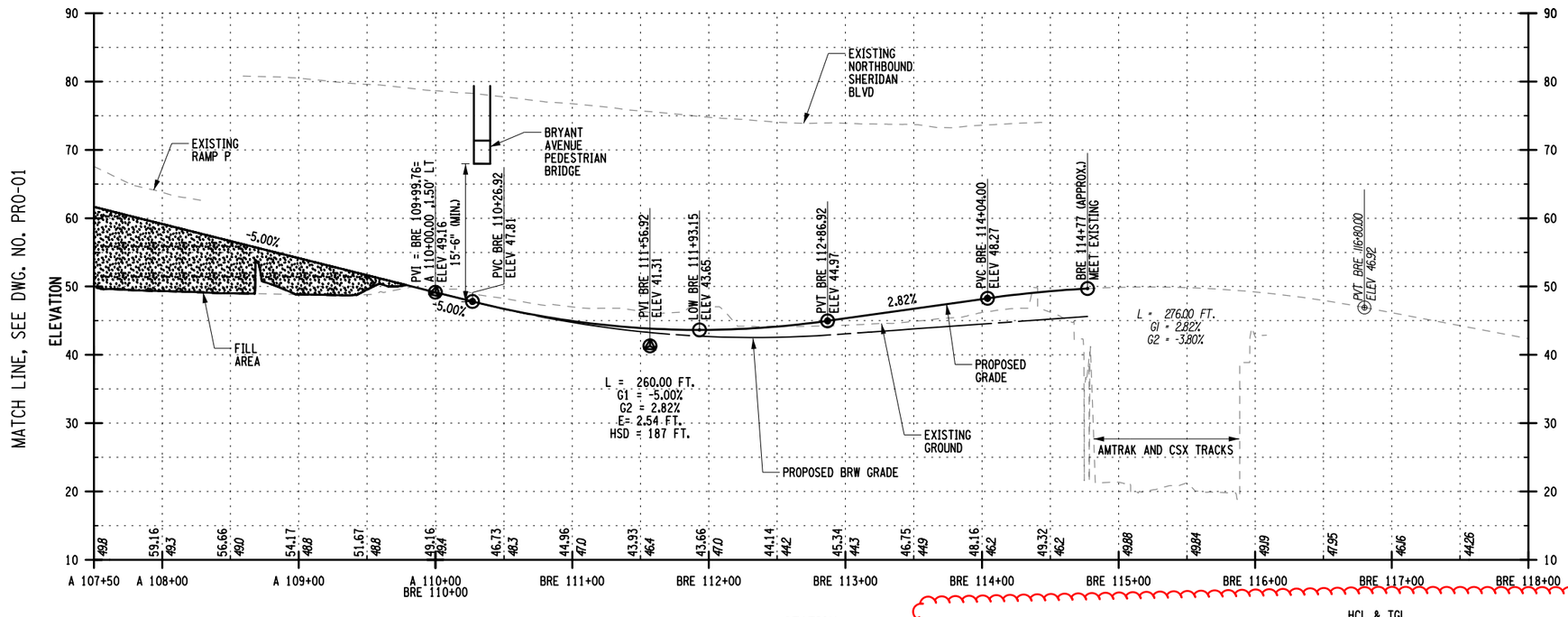
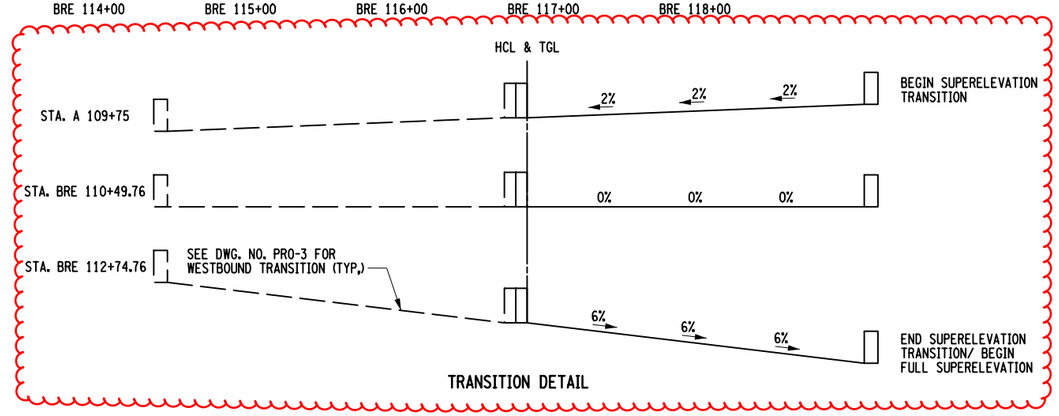
FILE NAME = pw:/../../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Profiles/X73165_CPH_PRO_001-AECOM.dgn [
DATE/TIME = Thursday, July 14, 2022 10:50:10 AM
USER = Alan.Huang

Revisions Made:
- Cross slope transition revised







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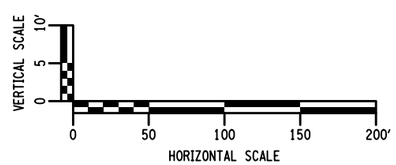

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
BRUCKNER EXPRESSWAY (EASTBOUND)
PROFILE

CONTRACT NUMBER
D900055

DRAWING NO. PRO-2
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Profiles/X73165_CPH_PRO_002-AECOM.dgn
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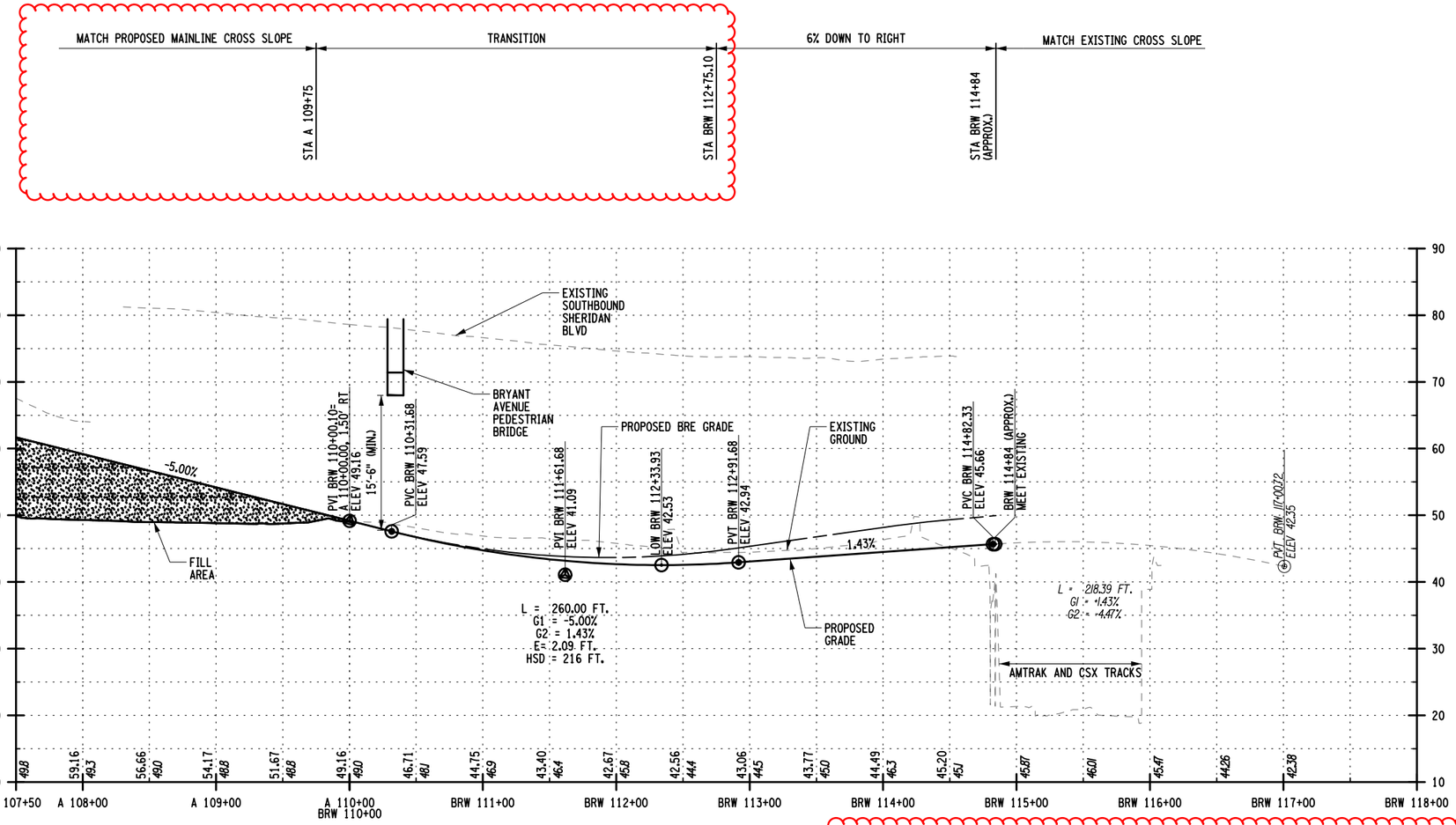
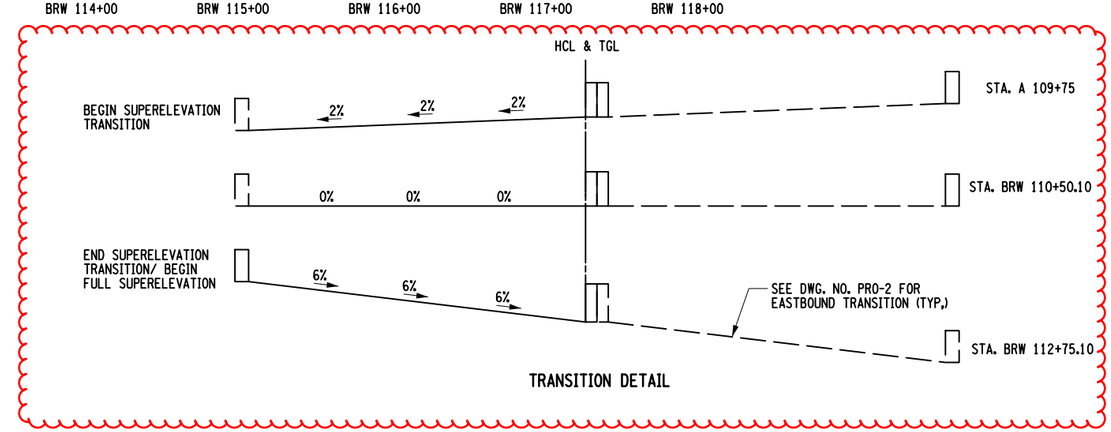
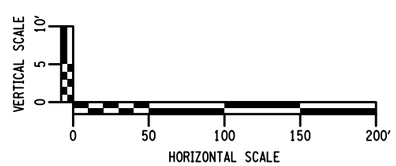
USER = Alan.Huang

Revisions Made:
- Cross slope transition revised







AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
BRUCKNER EXPRESSWAY (WESTBOUND)
PROFILE

CONTRACT NUMBER D900055

DRAWING NO. PRO-3
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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JOB MANAGER
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FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/Profiles/X73165_CPH_PRO_003-AECOM.dgn
DATE/TIME = Wednesday, July 13, 2022 02:06:24 PM
USER = Alan.Huang

REVISIONS MADE

- New sheets added

HUNTS POINT INTERSTATE ACCESS IMPROVEMENTS PROJECT

CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVENUE AND SHERIDAN BOULEVARD.

LANDSCAPE

PIN X731.65, CONTRACT D900055

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
LN-00	COVER SHEET
LN-01	LANDSCAPE PROTECTION NOTES
LN-02	LANDSCAPE PROTECTION NOTES
TRP-01	TREE REMOVAL AND PROTECTION PLAN
TRP-02	TREE REMOVAL AND PROTECTION PLAN
TRP-03	TREE REMOVAL AND PROTECTION PLAN
TRP-04	TREE REMOVAL AND PROTECTION PLAN
TRP-05	TREE REMOVAL AND PROTECTION PLAN
TPD-01	TREE PROTECTION DETAILS
TRT-01	TREE REMOVAL AND PROTECTION TABLE
TRT-02	TREE REMOVAL AND PROTECTION TABLE
PN-01	PLANTING NOTES
UP-01	URBAN DESIGN AND PLANTING PLAN
UP-02	URBAN DESIGN AND PLANTING PLAN
UP-03	URBAN DESIGN AND PLANTING PLAN
UP-04	URBAN DESIGN AND PLANTING PLAN
UP-05	URBAN DESIGN AND PLANTING PLAN
LKP-01	LANDSCAPE KEY PLAN
LEP-01	LANDSCAPE ENLARGEMENT PLAN
LEP-02	LANDSCAPE ENLARGEMENT PLAN
LEP-03	LANDSCAPE ENLARGEMENT PLAN
LEP-04	LANDSCAPE ENLARGEMENT PLAN
LEP-05	LANDSCAPE ENLARGEMENT PLAN
LEP-06	LANDSCAPE ENLARGEMENT PLAN
LEP-07	LANDSCAPE ENLARGEMENT PLAN
LEP-08	LANDSCAPE ENLARGEMENT PLAN
LEP-09	LANDSCAPE ENLARGEMENT PLAN
LEP-23	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LEP-24	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LEP-25	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LEP-26	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LEP-27	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LEP-28	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LEP-29	LANDSCAPE ENLARGEMENT LAYOUT PLAN
LPT-01	PLANTING TABLE
USD-01	LANDSCAPE SECTIONS
USD-02	LANDSCAPE SECTIONS
UD-01	URBAN DESIGN AND PLANTING DETAILS
UD-02	URBAN DESIGN AND PLANTING DETAILS
UD-03	URBAN DESIGN AND PLANTING DETAILS
UD-04	URBAN DESIGN AND PLANTING DETAILS
UD-05	URBAN DESIGN AND PLANTING DETAILS
UD-06	URBAN DESIGN AND PLANTING DETAILS
UD-07	URBAN DESIGN AND PLANTING DETAILS
UD-08	URBAN DESIGN AND PLANTING DETAILS
UD-09	URBAN DESIGN AND PLANTING DETAILS
UD-10	URBAN DESIGN AND PLANTING DETAILS
UD-11	URBAN DESIGN AND PLANTING DETAILS
LEK-01	LANDSCAPE ENLARGEMENT KEY PLAN
UDE-01	ISLAND REMOVAL,TREE PROTECTION AND LAYOUT PLAN
UDE-02	ISLAND MATERIALS AND PLANTING PLAN
UDE-03	HUNTS POINT AVE MATERIALS AND LAYOUT PLAN
UDE-04	BARRETTO ST MATERIALS AND LAYOUT PLAN
LPT-02	PLANTING TABLE ISLAND

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
COVER SHEET

CONTRACT NUMBER D900055

DRAWING NO. LN-00
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

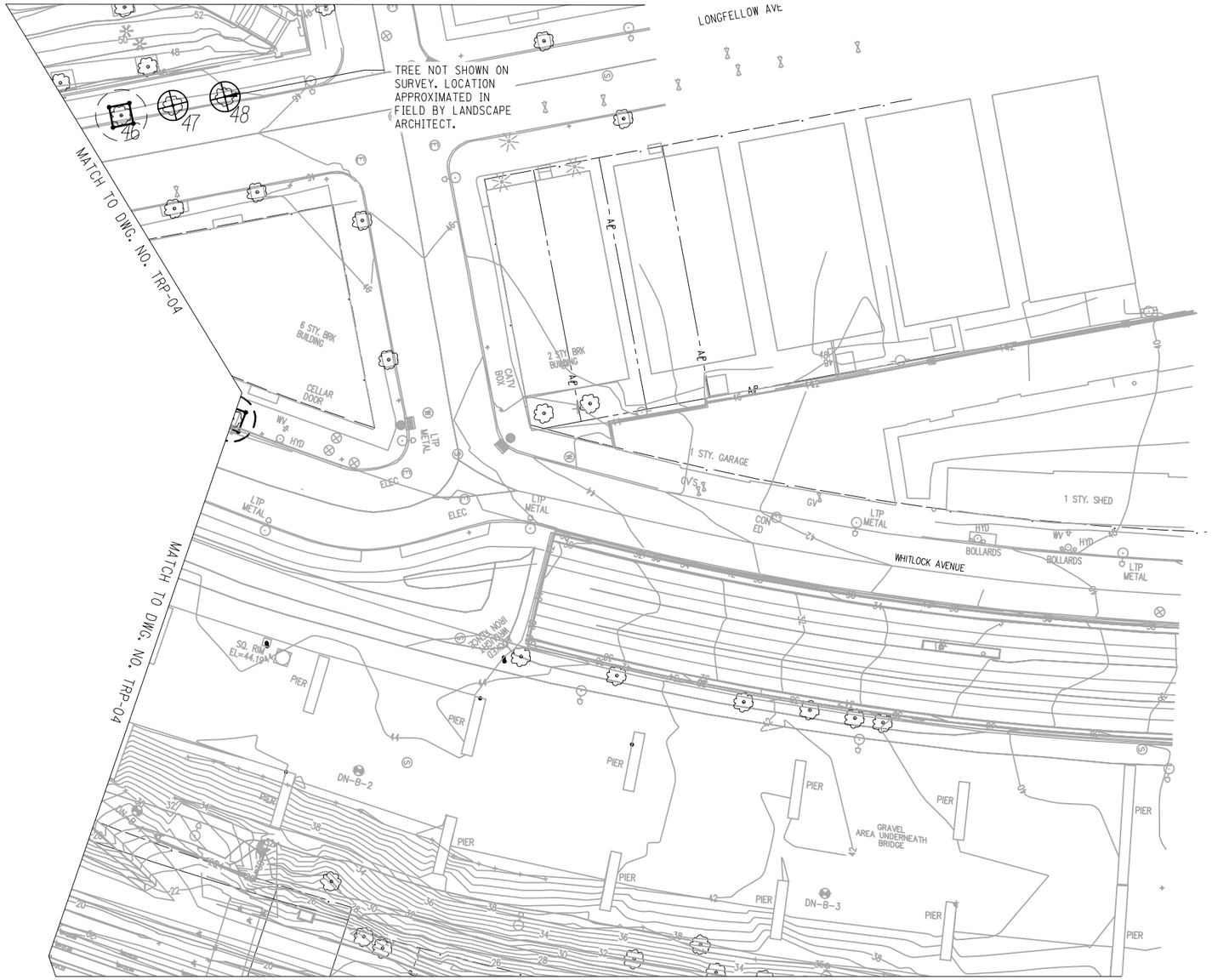
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

DESIGN SUPERVISOR S. NIELSEN | JOB MANAGER R. DEMARCO | DESIGN A. ARATO, S. GIMON | CHECK S. NIELSEN | DRAFTING S. GIMON, M. RICHMOND | CHECK N. MAEDA | PROJECT MANAGER A. ARATO

FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_CVR_000_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato

REVISIONS MADE

- Sheet view adjusted.



LEGEND:

- TREE CANOPY DRIP LINE — EXISTING TREE TO REMAIN
- TREE NUMBER (XX)
- TEMPORARY TREE PROTECTION BARRIER FOR INDIVIDUAL TREE, SEE DETAIL 1/TPD-01 - TREE PROTECTION DETAILS
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN (N.I.C.)
- HB — HIGHWAY BOUNDARY PROPERTY LINE

NOTES:

1. SEE DRAWING NO. TRT-01 FOR TREE REMOVAL AND PROTECTION TABLE AND ITEM NO.
2. NYC PARKS ARBORIST SHALL BE ON SITE DURING TIME OF WORK TO APPROVE OF TREE REMOVAL AND SUPERVISE ALL WORK.
3. ANY EXCAVATION WITHIN DRIP LINE OF EXISTING TREE SHALL BE DONE BY HAND, OR PNEUMATIC EXCAVATION OR MICRO TUNNELING. TREE PROTECTION MEASURES TO REMAIN IN PLACE DURING DEMOLITION AND CONSTRUCTION. DO NOT CUT EXISTING TREE ROOTS LARGER THAN 1" DIA. WITHOUT THE PERMISSION THE ARBORIST. REFER TO SHEETS LN-01 & LN-02 FOR ADDITIONAL LANDSCAPE PROTECTION NOTES.

NORTH

0 50' 100' 150'

1" = 50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TREE REMOVAL AND PROTECTION PLAN

CONTRACT NUMBER D900055

DRAWING NO. TRP-05
SHEET NO.

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FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAP_005_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato

TREE #	PLAN #	SPECIES (COMMON NAME)	DBH (inches)	CTLA CONDITION RATING	ISA CRITICAL ROOTZONE (CRZ) RADIUS (ft.)	TREE REMOVAL	STUMP REMOVAL	TRANSPLANT TREE	PREPARATORY PRUNING							TREE PROTECTION					DECOMPACT				PREPARATORY FERTILIZE	TREE GROWTH REGULATOR	EXPANDED TREE PIT IN GRANITE PAVER STRIP - EXISTING TREE TO REMAIN	SPECIAL CARE REMOVAL OF EXISTING CURB ADJACENT TO TREE(S) - CASE NO. 6B	COMMENTS
									ANSI A-300																				
									Cleaning	Raising	Reducing	Restoring	Structural	Thinning	Limb Tying	Temporary Wooden Tree Guard	Temporary Wooden Tree Guard For Groves	Temporary Fence Boundary	Protect Existing Tree Roots w/ Woodchips	Protect Ex. Tree Roots w/ Plywood or Mats	Air-Tilling 3 Ft Radius	Air-Tilling 5 Ft Radius	Radial Trench	Vertical Mulch					
1	TRP-01	ELM, AMERICAN	2.25	91%	3.0											X												X	
2	TRP-01	ELM, AMERICAN	2.5	81%	3.0	X																							
3	TRP-01	LONDON PLANETREE	3	100%	3.0				X							X												X	2019 tree tag
4	TRP-01	LONDON PLANETREE	2.75	97%	3.0											X												X	
5	TRP-01	LONDON PLANETREE	3	94%	3.0											X												X	
6	TRP-01	LONDON PLANETREE	2.75	88%	3.0				X							X												X	
7	TRP-01	LONDON PLANETREE	2.75	94%	3.0											X												X	trunk wounds
8	TRP-01	LONDON PLANETREE	2.75	97%	3.0											X												X	
9	TRP-02	LONDON PLANETREE	2.5	94%	3.0											X												X	trunk wounds
10	TRP-02	LONDON PLANETREE	2.75	97%	3.0				X							X												X	bark damage
11	TRP-02	GINKGO	2	100%	3.0											X												X	
12	TRP-03	OAK, NORTHERN RED	5.5	91%	4.1	X																							trunk wound
13	TRP-03	OAK, WHITE	4.5	88%	3.0	X			X	X			X																low branched, central leader broken at top
14	TRP-03	HORNBEAM, EUROPEAN	3.75	97%	3.8	X																							fastigiate
15	TRP-03	HORNBEAM, EUROPEAN	4.5	100%	4.5	X																							fastigiate
16	TRP-03	OAK, NORTHERN RED	6.25	97%	4.7	X																							hole in trunck
17	TRP-03	OAK, WHITE	3.5	72%	3.0	X																							estimated 30% crown death, trunk wound
18	TRP-03	OAK, NORTHERN RED	4.25	56%	3.2	X																							heavy watersprouts, trunk wounds, leaning
19	TRP-04	OAK, OTHER	3.25	72%	3.0	X							X																trunk wound, twisted branches
20	TRP-04	KENTUCKY COFFEETREE	3	69%	3.0	X																							trunk wound at base, watersprouts
21	TRP-04	ZELKOVA	3.5	84%	3.5											X												X	trunk wound
22	TRP-04	ZELKOVA	3.25	72%	3.3											X												X	
23	TRP-01	HONEYLOCUST	6	56%	3.0	X																							multistem, suckering
24	TRP-01	HONEYLOCUST	7.5	63%	5.6	X			X																				broken branches, epicormic branches
25	TRP-01	HONEYLOCUST	8.5	63%	6.4	X			X																				epicormic branches

REVISIONS MADE

- Column added to table and detail reference added to notes for expanded tree pits.

NOTES:

1. SEE DETAIL 1/TPD-01 FOR TEMPORARY WOODEN TREE GUARD.
2. SEE DETAIL 2/TPD-01 FOR SPECIAL CARE REMOVAL OF EXISTING CURB ADJACENT TO TREE(S) - CASE NO. 6B.
3. SEE DETAIL 1/UD-10 FOR EXPANDED TREE PIT IN GRANITE PAVER STRIP - EXISTING TREE TO REMAIN.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TREE REMOVAL AND PROTECTION TABLE

CONTRACT NUMBER
D900055

DRAWING NO. TRT-01
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

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CHECK S. NIELSEN
DESIGN A. ARATO, S. GIMON
JOB MANAGER R. DEMARCO
DESIGN SUPERVISOR S. NIELSEN
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USER = mrichmond

TREE #	PLAN #	SPECIES (COMMON NAME)	DBH (inches)	CTLA CONDITION RATING	ISA CRITICAL ROOTZONE (CRZ) RADIUS (ft.)	TREE REMOVAL	STUMP REMOVAL	TRANSPLANT TREE	PREPARATORY PRUNING – ANSI A-300: Cleaning	Raising	Reducing	Restoring	Structural	Thinning	Limb Tying	TREE PROTECTION: Temporary Wooden Tree Guard	Temporary Wooden Tree Guard For Groves	Temporary Fence Boundary	Protect Existing Tree Roots w/ Woodchips	Protect Ex. Tree Roots w/ Plywood or Mats	DECOMPACT: Air-Tilling 3 Ft Radius	Air-Tilling 5 Ft Radius	Radial Trench	Vertical Mulch	PREPARATORY FERTILIZE	TREE GROWTH REGULATOR	EXPANDED TREE PIT IN GRANITE PAVER STRIP - EXISTING TREE TO REMAIN	SPECIAL CARE REMOVAL OF EXISTING CURB ADJACENT TO TREE(S) - CASE NO. 6B	COMMENTS
26	TRP-01	HONEYLOCUST	7.25	53%	5.4	X																						thorns
27	TRP-01	HONEYLOCUST	7.5	69%	5.6	X																						watersprouts
28	TRP-01	LONDON PLANETREE	19	63%	23.8	X																						leaning, trunk cavity, suckering
29	TRP-01	HONEYLOCUST	10.25	72%	7.7	X																						trunk wound, trunk bulge at base
30	TRP-02	HONEYLOCUST	8.25	75%	6.2	X							X															codominant branches
31	TRP-02	HONEYLOCUST	11	63%	8.3	X																						girdling roots, multistem
32	TRP-02	HONEYLOCUST	7	63%	3.5	X																						suckering, damaged branches, multistem
33	TRP-02	HONEYLOCUST	6	56%	3.0	X			X																			several damaged branches, multistem
34	TRP-02	TREE OF HEAVEN	14	81%	10.5	X																						invasive
35	TRP-02	TREE OF HEAVEN	6	75%	3.0	X																						invasive, multistem
36	TRP-02	TREE OF HEAVEN	12	81%	9.0	X																						invasive, multistem
37	TRP-02	UNKNOWN DEAD TREES					X																					
38	TRP-04	ELM, AMERICAN	4.75	91%	3.0											X											X	X	
39	TRP-04	HORNBEAM, EUROPEAN	2.5	91%	3.0											X											X	X	
40	TRP-04	HORNBEAM, EUROPEAN	2.75	81%	3.0	X																						trunk wound, watersprouts
41	TRP-04	HORNBEAM, EUROPEAN	1.75	84%	3.0	X																						trunk damage
42	TRP-04	LONDON PLANETREE	11.5	91%	11.5											X												X	
43	TRP-04	LONDON PLANETREE	13.25	91%	13.3											X												X	leaning over road, trunk wound
44	TRP-04	LONDON PLANETREE	12.25	91%	12.3											X												X	leaning over road, trunk wound
45	TRP-04	LONDON PLANETREE	11	94%	11.0											X												X	leaning over road, trunk damage
46	TRP-05	ELM, AMERICAN	4.8	91%	3.0																						X	X	
47	TRP-05	UNKNOWN DEAD TREES				X																							
48	TRP-05	UNKNOWN DEAD TREES				X																							

REVISIONS MADE

- Column added to table and detail reference added to notes for expanded tree pits.
- Tree 37 identified as unknown dead tree/stump to be removed. Corresponding notes removed from column.

NOTES:

1. SEE DETAIL 1/TPD-01 FOR TEMPORARY WOODEN TREE GUARD.
2. SEE DETAIL 2/TPD-01 FOR SPECIAL CARE REMOVAL OF EXISTING CURB ADJACENT TO TREE(S) - CASE NO. 6B.
3. SEE DETAIL 1/UD-10 FOR EXPANDED TREE PIT IN GRANITE PAVER STRIP - EXISTING TREE TO REMAIN.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
TREE REMOVAL AND PROTECTION TABLE

CONTRACT NUMBER
D900055

DRAWING NO. TRT-02
SHEET NO.

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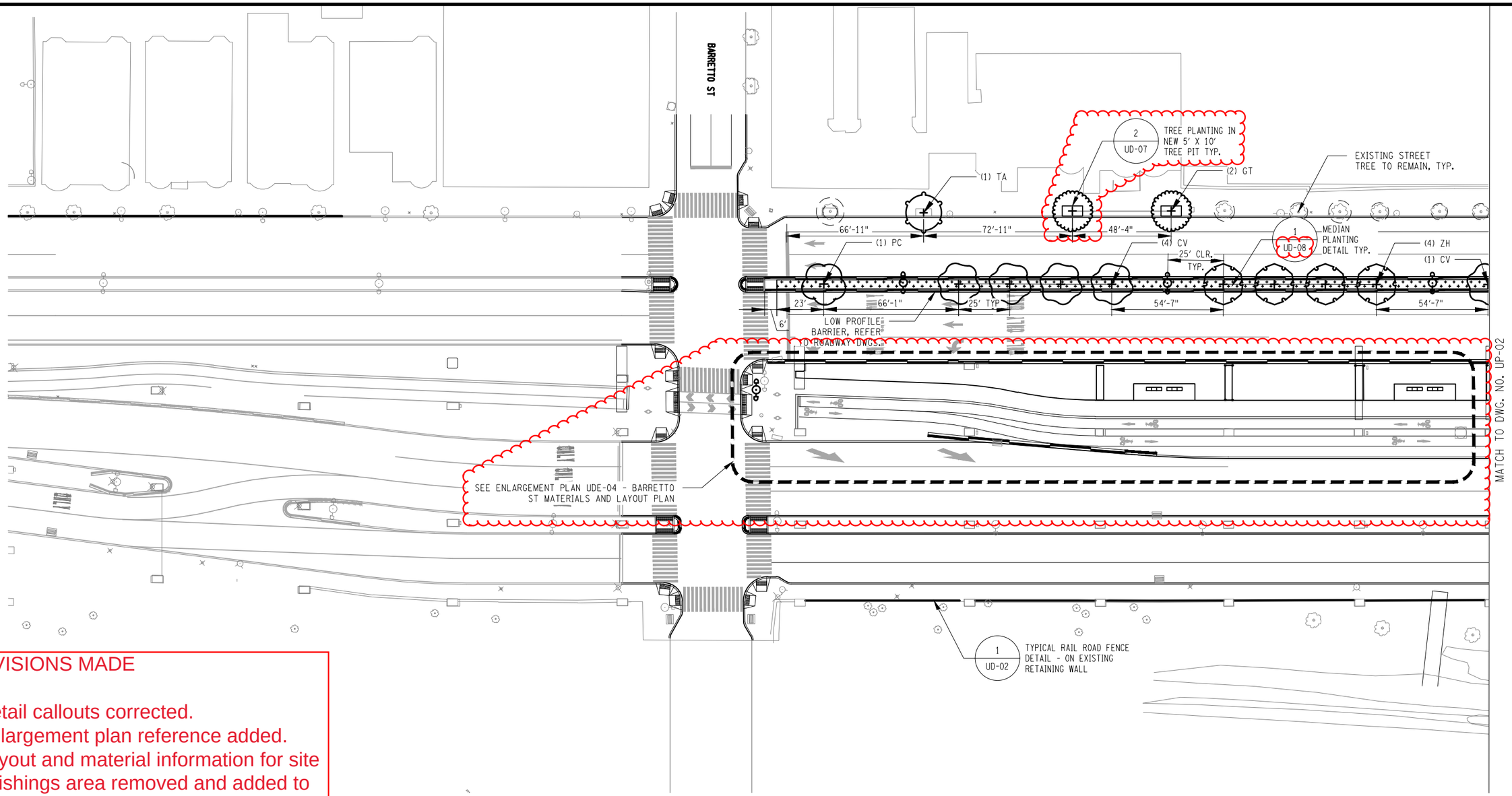

REVISIONS MADE

- Detail callouts corrected.
- Enlargement plan reference added.
- Layout and material information for site furnishings area removed and added to enlargement plan.
- Sheet legend updated.

LEGEND:

- EXTENT OF OVERHEAD STRUCTURE
- EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
- PROPOSED TREE, SYMBOL VARIES SEE SHEET LPT-01 - PLANTING TABLE FOR PLANTING SCHEDULE
- PROPOSED TREE IN NEW TREE PIT
- PROPOSED PLANTING AREA, SEE DRAWINGS LEP 01-11 FOR PLANTING PLANS
- PROPOSED ROADWAY BARRIER, SEE ROADWAY DWGS.
- SALVAGED GRANITE PAVERS, SEE "REUSE AND RESET GRANITE PAVERS" NOTES ON LN-02

NOTES:

1. SEE DRAWING LPT-01 FOR PLANTING SCHEDULE.
2. SEE PN-01 FOR PLANTING NOTES.
3. CONTRACTOR TO VERIFY 24" MINIMUM DISTANCE FROM CON ED TRANSMISSION LINES TO EDGE OF TREE PIT FOR ALL PROPOSED TREES.
4. THERE SHALL BE NO SAW CUTTING OF PAVEMENT NEAR CON ED OIL-O-STATIC LINES.
5. FOR SIDEWALKS, BIKE LANE AND ROADWAY, SEE ROADWAY DRAWINGS.

NORTH

0 50' 100' 150'

1" = 50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

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URBAN DESIGN AND PLANTING PLAN

CONTRACT NUMBER D900055

DRAWING NO. UP-01
SHEET NO.

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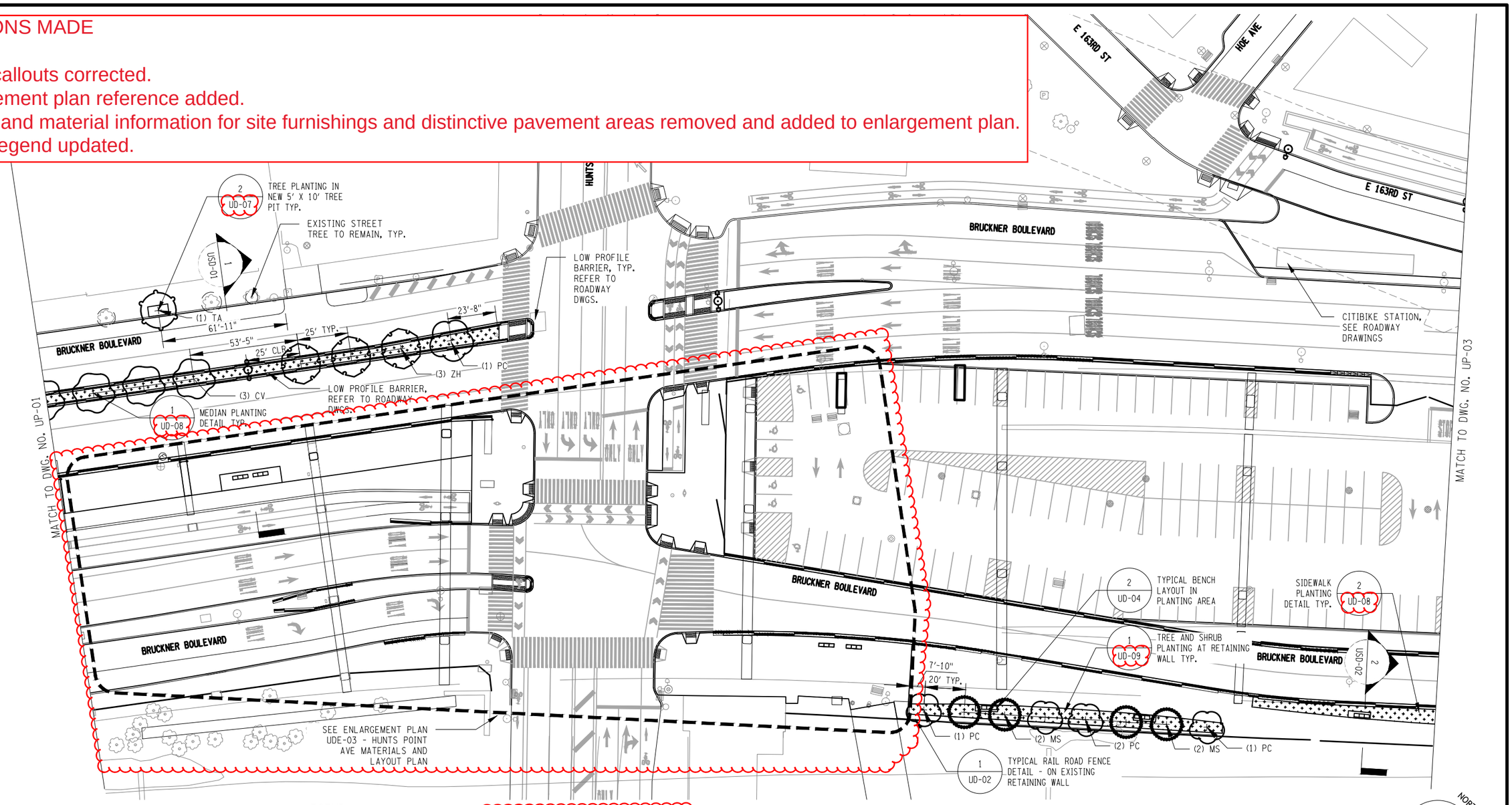
REVISIONS MADE

- Detail callouts corrected.
- Enlargement plan reference added.
- Layout and material information for site furnishings and distinctive pavement areas removed and added to enlargement plan.
- Sheet legend updated.



LEGEND:

- EXTENT OF OVERHEAD STRUCTURE
- EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
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- PROPOSED ROADWAY BARRIER, SEE ROADWAY DWGS.
- SALVAGED GRANITE PAVERS, SEE "REUSE AND RESET GRANITE PAVERS" NOTES ON LN-02

NOTES:

1. SEE DRAWING LPT-01 FOR PLANTING SCHEDULE.
2. SEE PN-01 FOR PLANTING NOTES.
3. CONTRACTOR TO VERIFY 24" MINIMUM DISTANCE FROM CON ED TRANSMISSION LINES TO EDGE OF TREE PIT FOR ALL PROPOSED TREES.
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NORTH

0 50' 100' 150'

1" = 50'

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URBAN DESIGN AND PLANTING PLAN

CONTRACT NUMBER D900055

DRAWING NO. UP-02
SHEET NO.

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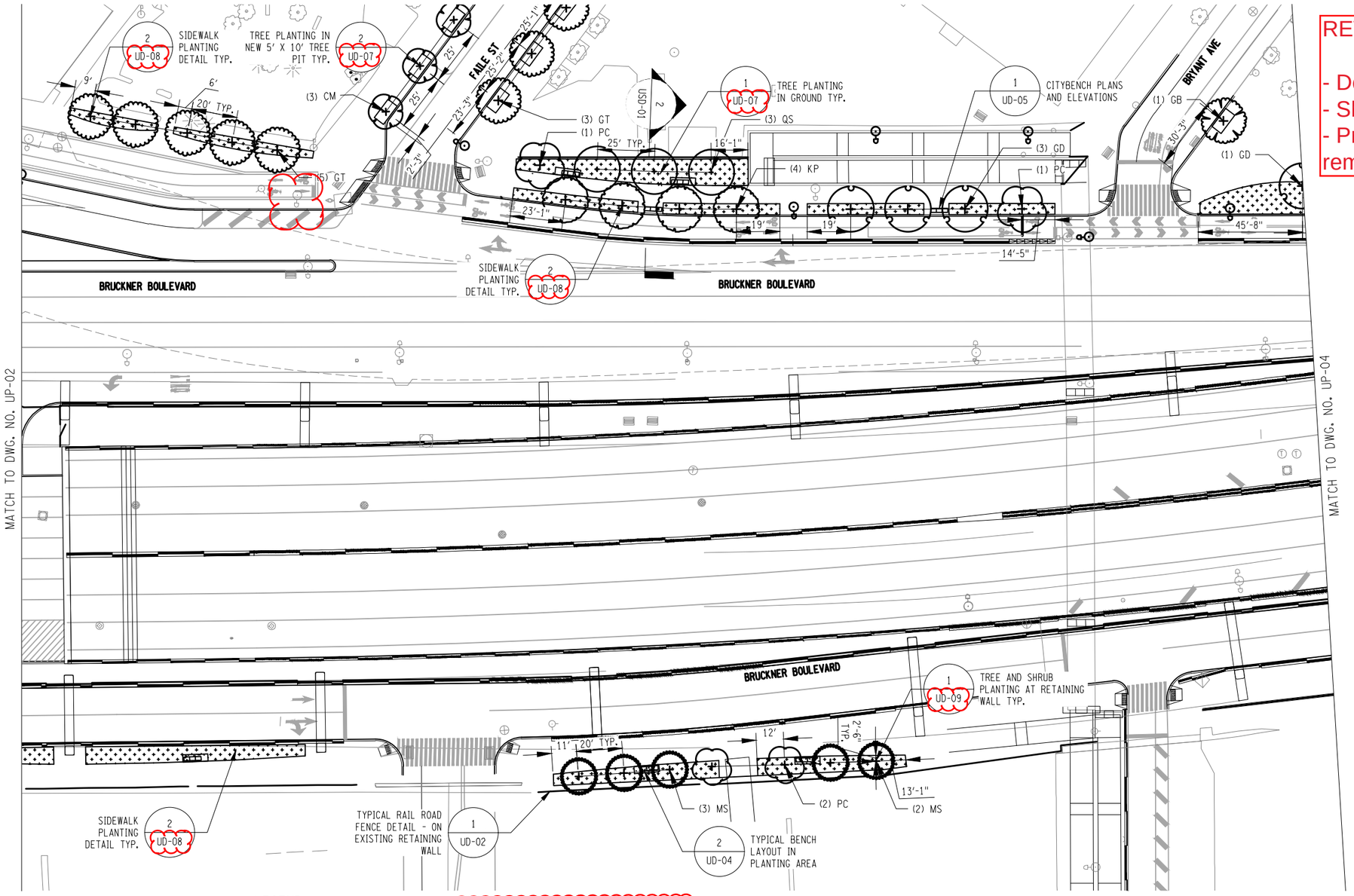
USER = sgmon

REVISIONS MADE

- Detail callouts corrected.
- Sheet legend updated.
- Proposed light pole removed.



LEGEND:

- EXTENT OF OVERHEAD STRUCTURE
- EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
- PROPOSED TREE, SYMBOL VARIES SEE SHEET LPT-01 - PLANTING TABLE FOR PLANTING SCHEDULE
- PROPOSED TREE IN NEW TREE PIT
- PROPOSED PLANTING AREA, SEE DRAWINGS LEP 01-11 FOR PLANTING PLANS
- PROPOSED ROADWAY BARRIER, SEE ROADWAY DWGS.
- SALVAGED GRANITE PAVERS, SEE "REUSE AND RESET GRANITE PAVERS" NOTES ON LN-02

NOTES:

1. SEE DRAWING LPT-01 FOR PLANTING SCHEDULE.
2. SEE PN-01 FOR PLANTING NOTES.
3. CONTRACTOR TO VERIFY 24" MINIMUM DISTANCE FROM CON ED TRANSMISSION LINES TO EDGE OF TREE PIT FOR ALL PROPOSED TREES.
4. THERE SHALL BE NO SAW CUTTING OF PAVEMENT NEAR CON ED OIL-O-STATIC LINES.
5. FOR SIDEWALKS, BIKE LANE AND ROADWAY, SEE ROADWAY DRAWINGS.

NORTH

0 50' 100' 150'

1" = 50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
URBAN DESIGN AND PLANTING PLAN

CONTRACT NUMBER D900055

DRAWING NO. UP-03
SHEET NO.

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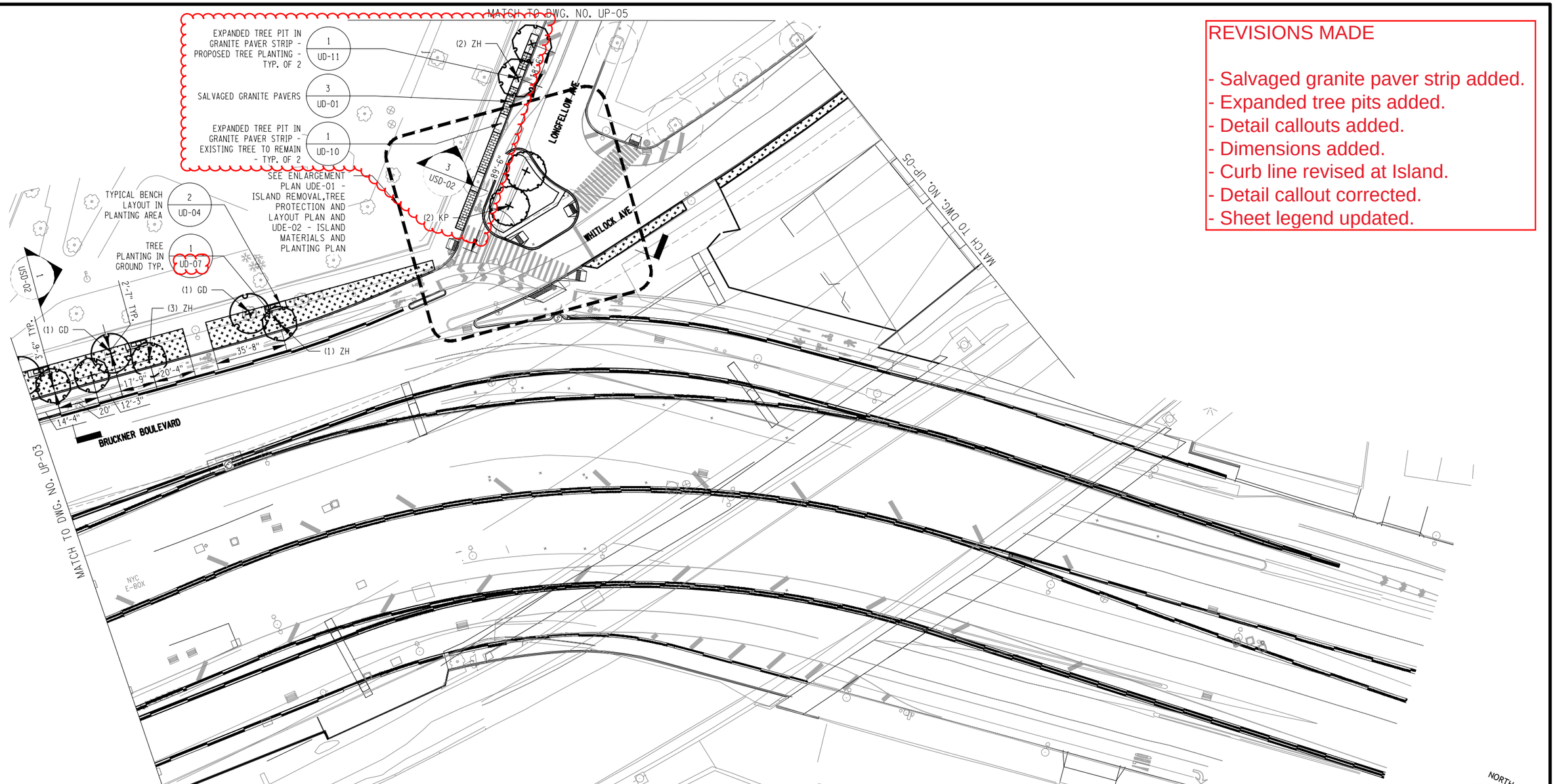
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

DESIGN SUPERVISOR S. NIELSEN | JOB MANAGER R. DEMARCO | DESIGN A. ARATO, S. GIMON | CHECK S. NIELSEN | DRAFTING S. GIMON, M. RICHMOND | CHECK N. MAEDA | PROJECT MANAGER A. ARATO

FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAP_103_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato



REVISIONS MADE

- Salvaged granite paver strip added.
- Expanded tree pits added.
- Detail callouts added.
- Dimensions added.
- Curb line revised at Island.
- Detail callout corrected.
- Sheet legend updated.

LEGEND:

- EXTENT OF OVERHEAD STRUCTURE
- EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
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- PROPOSED TREE IN NEW TREE PIT
- PROPOSED PLANTING AREA, SEE DRAWINGS LEP 01-11 FOR PLANTING PLANS
- PROPOSED ROADWAY BARRIER, SEE ROADWAY DWGS.
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NOTES:

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NORTH

0 50' 100' 150'

1" = 50'

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AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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URBAN DESIGN AND PLANTING PLAN

CONTRACT NUMBER D900055

DRAWING NO. UP-04
SHEET NO.

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FILE NAME = M:\17-940 BRUCKNER HUNTS POINT ACCESS\DWG_03\09-SHEETS\X73165_CPH_LAP_104_MNL.DWG
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = aarato

REVISIONS MADE

- Sheet view adjusted.
- Detail callouts added.
- Dimensions added.
- Sheet legend updated.

LEGEND:

- EXTENT OF OVERHEAD STRUCTURE
- EXTENT OF BELOW-GRADE SUBWAY
- EXISTING TREE TO REMAIN
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CONTRACT 3
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URBAN DESIGN AND PLANTING PLAN

CONTRACT NUMBER D900055
DRAWING NO. UP-05
SHEET NO.

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PLANT SCHEDULE PROPOSED TREES

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT	REMARKS
	CM	3	CORNUS MAS	CORNELIAN CHERRY	3" - 3.5" CAL.	B & B	
	CV	8	CRATAEGUS VIRIDIS `WINTER KING`	WINTER KING HAWTHORN	2.5" - 3" CAL.	B & B	
	GB	1	GINKGO BILOBA `AUTUMN GOLD` TM	AUTUMN GOLD MAIDENHAIR TREE	3" - 3.5" CAL.	B & B	
	GT	10	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	3" - 3.5" CAL.	B & B	
	GD	6	GYMNOCLADUS DIOICA `ESPRESSO`	KENTUCKY COFFEETREE	3" - 3.5" CAL.	B & B	
	KP	6	KOELREUTERIA PANICULATA	GOLDEN RAIN TREE	3" - 3.5" CAL.	B & B	FALL DIG HAZARD; IF PLANTING OCCURS IN THE FALL, REPLACE WITH GLEDITSIA TRIACANTHOS INERMIS.
	MS	9	MALUS X `SPRING SNOW`	SPRING SNOW CRABAPPLE	3" - 3.5" CAL.	B & B	FALL DIG HAZARD; IF PLANTING OCCURS IN THE FALL, REPLACE WITH CRATAEGUS VIRIDIS `WINTER KING`
	PC	10	PRUNUS CERASIFERA `THUNDERCLOUD`	THUNDERCLOUD PURPLELEAF PLUM	2.5" - 3" CAL.	B & B	
	QS	3	QUERCUS SHUMARDII	SHUMARD RED OAK	3" - 3.5" CAL.	B & B	FALL DIG HAZARD; IF PLANTING OCCURS IN THE FALL, REPLACE WITH TILIA AMERICANA.
	TA	4	TILIA AMERICANA	AMERICAN LINDEN	3" - 3.5" CAL.	B & B	
	ZH	13	ZELKOVA SERRATA `HALKA`	HALKA ZELKOVA	3" - 3.5" CAL.	B & B	FALL DIG HAZARD; IF PLANTING OCCURS IN THE FALL, REPLACE WITH MAACKIA AMURENSIS.

LEGEND
B&B = BALLED AND BURLAPED
CONT. = CONTAINER
HT. = HEIGHT
O.C. = ON CENTER

NOTES:

1. ALL MATERIAL SPECIFIED BY CONTAINER SIZE SHALL HAVE SUFFICIENT ROOTS SO THAT THE SOIL REMAINS THE SHAPE OF THE CONTAINER WHEN THE PLANT IS REMOVED FROM THE CONTAINER.
2. MINIMAL CONTAINER VOLUMES SHALL BE AS DEFINED BY THE CURRENT EDITION OF AMERICAN STANDARD FOR NURSERY STOCK.
3. SPECIFIED PLANT SIZE ARE MINIMUMS. LARGER SIZES ARE ACCEPTABLE AS LONG AS THE BALL OR POT SIZE MEETS THE MINIMUM SIZE FOR THE PLANT SIZE AS RECOMMENDED IN THE CURRENT EDITION OF AMERICAN STANDARD FOR NURSERY STOCK.
4. CONTAINER GROWN PLANTS SHALL NOT BE ROOT-BOUND. PLANTS WITH NUMEROUS ROOTS ENCIRCLING THE PERIMETER OF THE CONTAINER WILL BE REJECTED.

PLANT SCHEDULE PROPOSED UNDERSTORY

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT	SPACING	REMARKS
	DL	149	DIERVILLA LONICERA	DWARF BUSH HONEYSUCKLE	#3	CONT.	36" o.c.	
	RG2	120	RHUS AROMATICA `GRO-LOW`	GRO-LOW FRAGRANT SUMAC	#3	CONT.	36" o.c.	
	R3	319	ROSA X `RADRAZZ` TM	KNOCK OUT SHRUB ROSE	#3	CONT.	36" o.c.	
	SA	239	SPIRAEA X BUMALDA `ANTHONY WATERER`	ANTHONY WATERER BUMALD SPIRAEA	#3	CONT.	36" o.c.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	REMARKS
		476 SF	ACCENT					
	HO	254	HEMEROCALLIS X `STELLA DE ORO`	STELLA DE ORO DAYLILY	BULB		50% @ 12" o.c.	
	LM	254	LIRIOPE MUSCARI `BIG BLUE`	BIG BLUE LILYTURF	#1	CONT.	50% @ 12" o.c.	
	EK	273	EUONYMUS FORTUNEI `KEWENSIS`	KEW EUNONYMUS	#1	CONT.	24" o.c.	
	LM	2,063	LIRIOPE MUSCARI `BIG BLUE`	BIG BLUE LILYTURF	#1	CONT.	12" o.c.	
	VC	696	VINCA MINOR `BOWLES`	BOWLES COMMON PERIWINKLE	#1	CONT.	15" o.c.	

TREE RESTITUTION QUANTITIES	
TREE RESTITUTION REQUIREMENT	48
TREES TO BE PLANTED ONSITE	73
TREES TO BE PLANTED OFF-SITE (3" CAL.)	0

TREE RESTITUTION NOTES:
1. FINAL RESTITUTION QUANTITIES TO BE VERIFIED BY NYC PARKS DEPARTMENT OF FORESTRY, HORTICULTURE & NATURAL RESOURCES.
2. ABOVE CALCULATIONS ARE BASED OFF OF PROPOSED DESIGN. PLANTING QUANTITIES ARE SUBJECT TO CHANGE PENDING FINAL DESIGN.
3. OFF-SITE TREES SHALL BE DELIVERED TO AND INSTALLED BY NYSDOT. SPECIES OF OFF-SITE TREES WILL BE PROVIDED BY NYSDOT.

REVISIONS MADE

- Tree Restitution Requirement quantity updated.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

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INDICATIVE PLANS
PLANTING TABLE

CONTRACT NUMBER D900055
DRAWING NO. LPT-01
SHEET NO.

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NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER A. ARATO
DRAFTING S. GIMON, M. RICHMOND CHECK N. MAEDA
DESIGN SUPERVISOR S. NIELSEN JOB MANAGER R. DEMARCO DESIGN A. ARATO, S. GIMON CHECK S. NIELSEN
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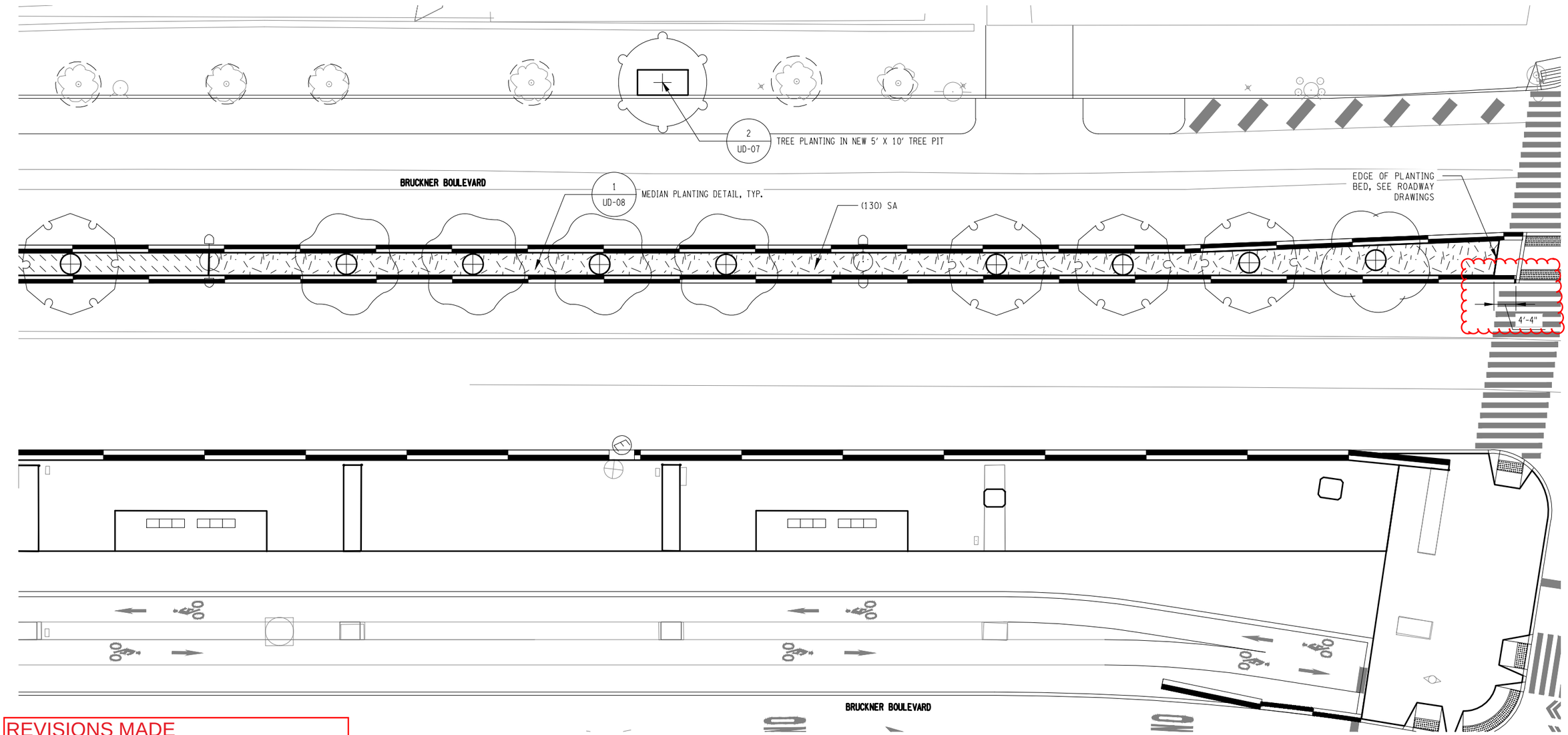

REVISIONS MADE

- Dimension updated to reflect change in median.

LEGEND:

EXISTING TREE TO REMAIN
TREE CANOPY DRIP LINE

PROPOSED TREE, SYMBOL VARIES SEE LPT-01 - PLANTING TABLE SEE UP-01 TO UP-04 FOR TREE SPECIES AND LOCATIONS

PROPOSED PERENNIALS AND GROUNDCOVERS (HATCH VARIES), SEE LPT-01 - PLANTING TABLE

CALLOUT FOR DETAILS
DETAIL #
DRAWING #

NOTES:

1. PLANTS SHALL NOT BE PLACED WITHIN TWO (2) FEET OF THE TREE TRUNK OF PROPOSED TREES.
2. PLANTS SHALL NOT BE PLACED WITHIN THREE (3) FEET OF THE TREE TRUNK OF EXISTING TREES.
3. SEE UP-01 - UP-04 FOR TREE SPECIES AND LOCATIONS.
4. SEE LPT-01 FOR PLANTING TABLES.

NORTH

0 20' 40' 60'
1" = 20'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO ST. TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: THE BRONX REGION: 11

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INDICATIVE PLANS
LANDSCAPE ENLARGEMENT PLAN

CONTRACT NUMBER D900055
DRAWING NO. LEP-02
SHEET NO.

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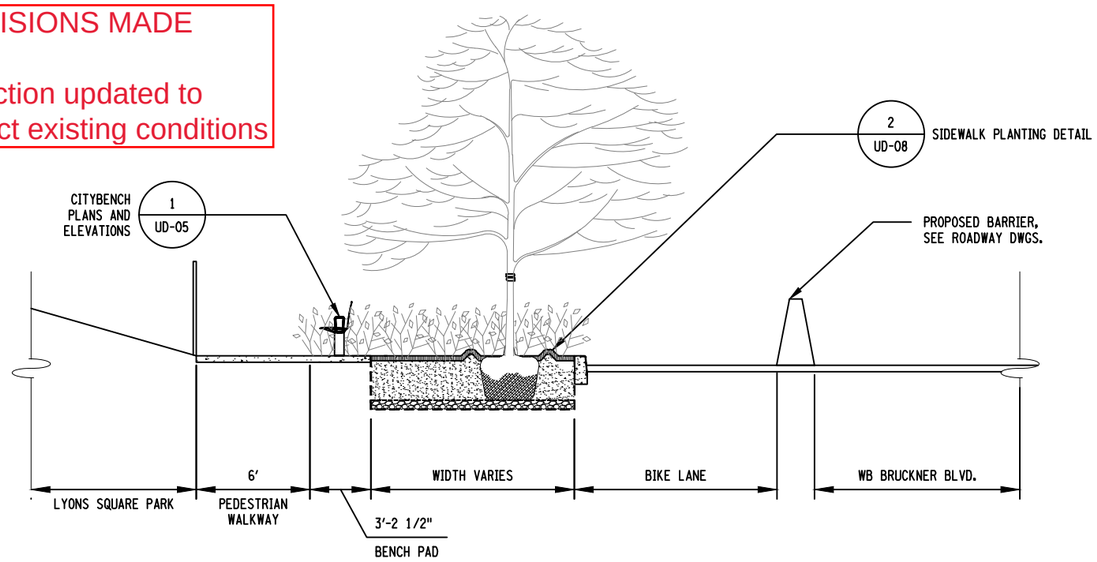
DATE/TIME = Tuesday, December 11, 2018 9:37:14 AM
USER = mrichmond

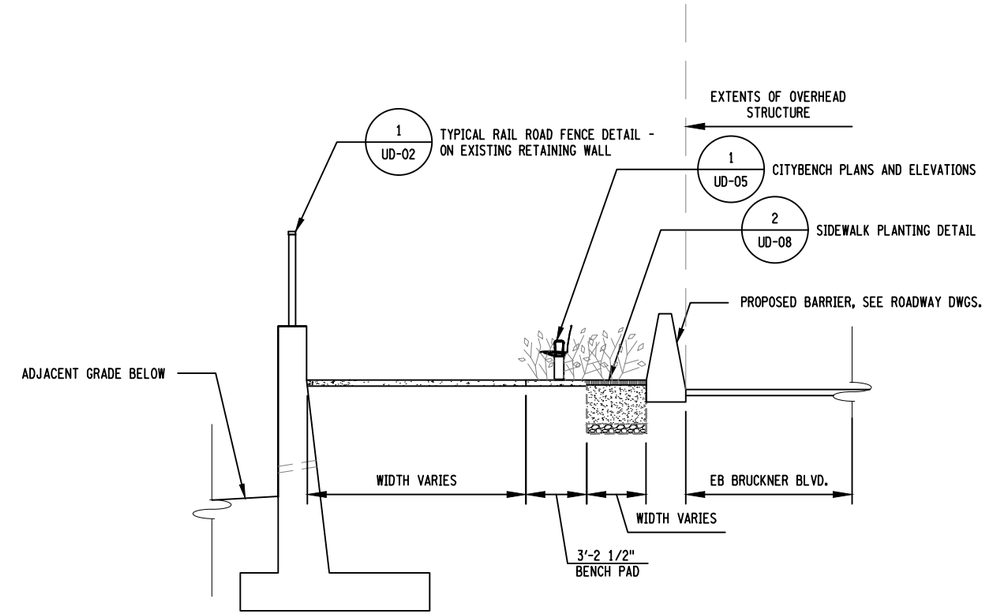
REVISIONS MADE

- Section updated to reflect existing conditions



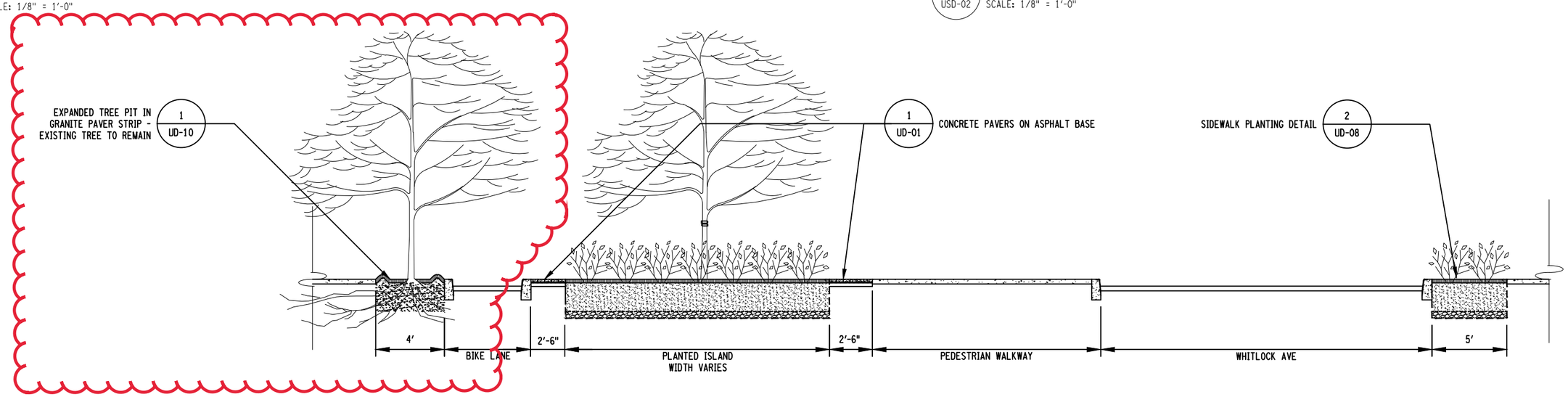
1 USD-02 TYPICAL SECTION AT LYONS SQUARE PARK

SCALE: 1/8" = 1'-0"



2 USD-02 TYPICAL SECTION AT SOUTH SIDE OF BRUCKNER BLVD

SCALE: 1/8" = 1'-0"



3 USD-02 TYPICAL SECTION AT ISLAND

SCALE: 1/8" = 1'-0"

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
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CONTRACT 3
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LANDSCAPE SECTIONS

CONTRACT NUMBER D900055

DRAWING NO. USD-02
SHEET NO.

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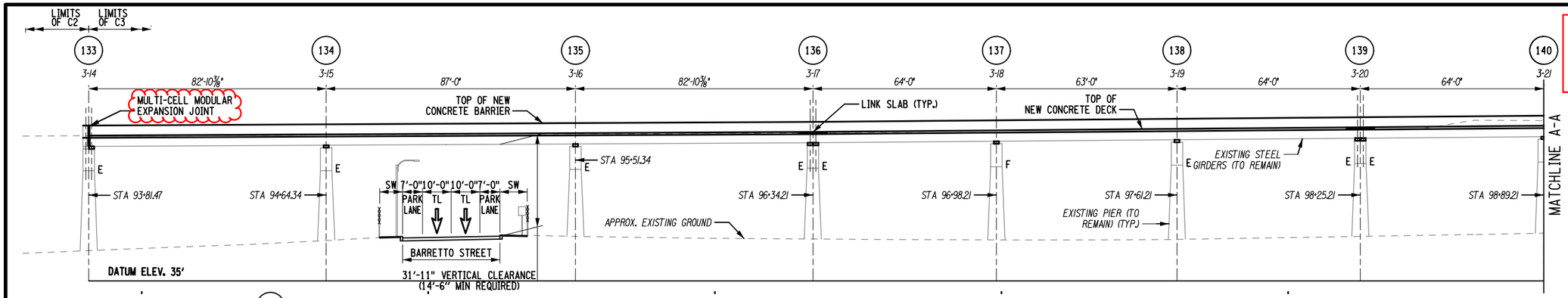
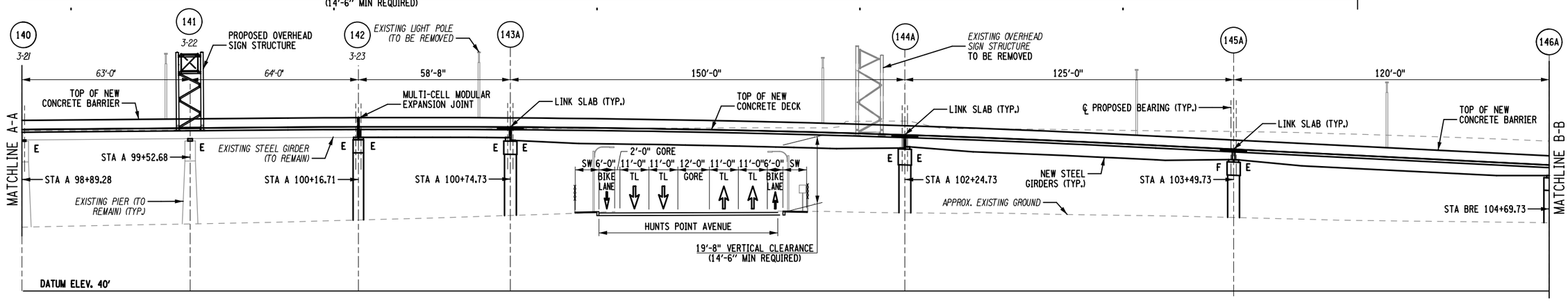
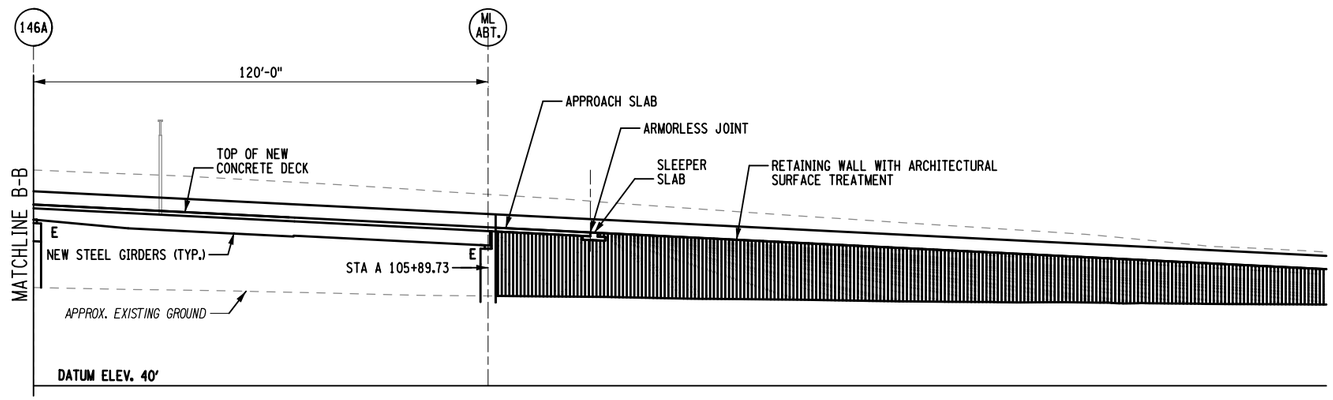
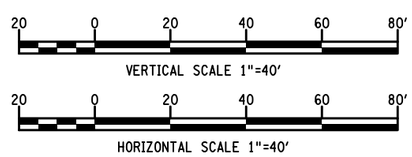
Revisions for Addendum 8:
- Revised text style to proposed









REFERENCES:

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-01 TO GP-10.
2. FOR PROPOSED PROFILES, SEE DWG NOS. PRO-01 TO PRO-10.
3. FOR EXPANSION JOINT AND LINK SLAB LAYOUT, SEE DWG. NO. LSL-01.
4. FOR ARCHITECTURAL SURFACE TREATMENT DETAILS, SEE DWG NOS. DET-01 TO DET-04.

AFFIX SEAL: ON:	ALTERED BY: ON:

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INDICATIVE PLANS
PROPOSED ELEVATION
BRUCKNER EXPRESSWAY MAINLINE

CONTRACT NUMBER D900055

DRAWING NO. EL-01
SHEET NO.

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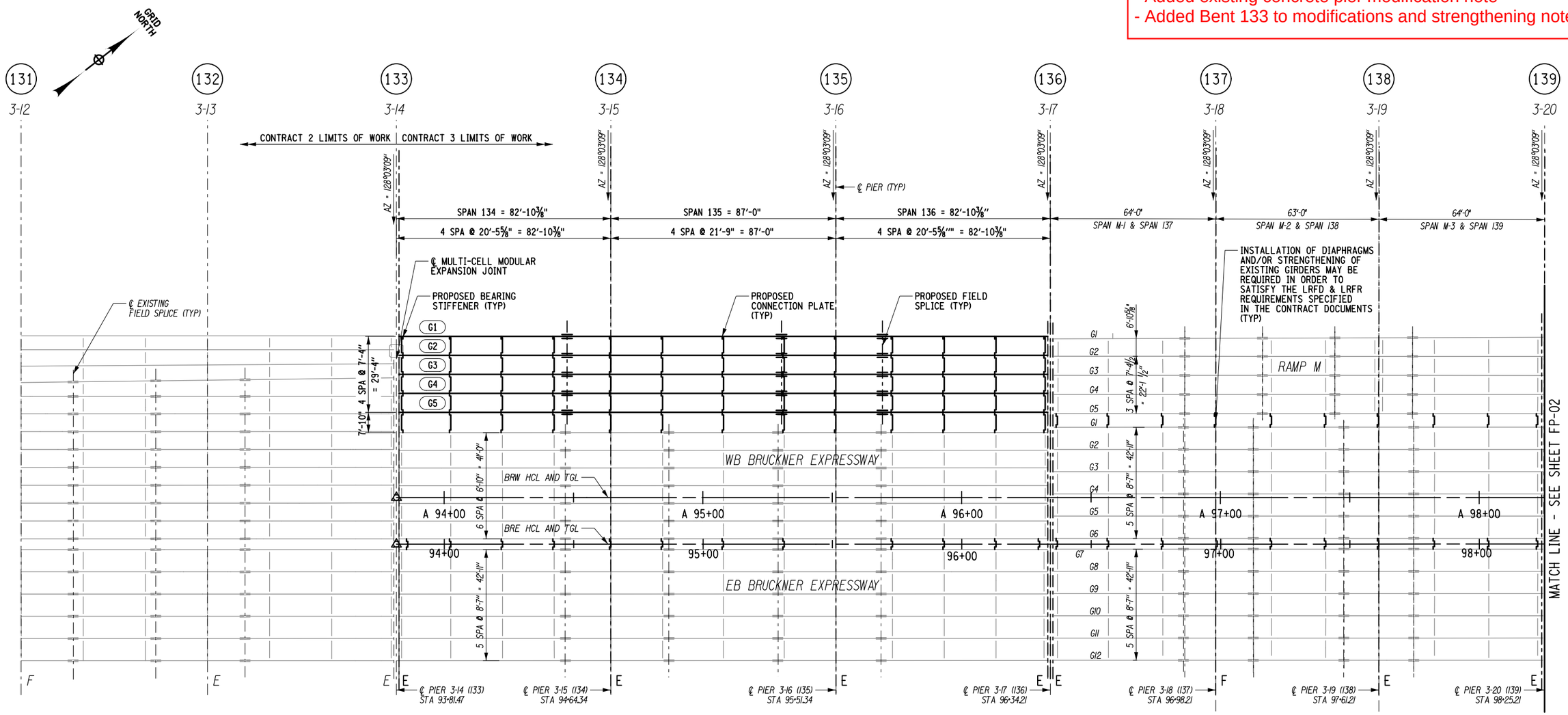
PROJECT MANAGER N.BASTA
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:\\...\...\...\X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Structural/Sheets/Addendum *8/X73165_cpb_el_01 [
DATE/TIME = Thursday, July 14, 2022 04:23:21 PM
USER = cscotena

List of Revisions for Addendum #8
- Added existing concrete pier modification note
- Added Bent 133 to modifications and strengthening note



MODIFICATIONS AND STRENGTHENING TO EXISTING STEEL STRINGERS

REQUIRED STRENGTHENING OF EXISTING STEEL STRINGERS, INCLUDING BUT NOT LIMITED TO: ADD STRENGTHENING (ADDITIONAL DIAPHRAGMS AT THE INTERIOR SUPPORT, COVER PLATES, ETC), AS REQUIRED, TO THE FOLLOWING STEEL STRINGERS IN THE NEGATIVE MOMENT REGION:

- PIER 133: MAINLINE STRINGERS G7-G12
- PIER 134: MAINLINE STRINGERS G7-G12
- PIER 135: MAINLINE STRINGERS G7-G12
- PIER 137: MAINLINE STRINGERS G1 & G12
- PIER 138: MAINLINE STRINGERS G1 & G12

MODIFICATIONS TO EXISTING CONCRETE PIERS

MODIFICATION WILL BE REQUIRED TO EXISTING PIERS AND PEDESTALS TO SUPPORT THE PROPOSED SUPERSTRUCTURE AT THE FOLLOWING LOCATIONS:

- PIERS 133 THROUGH 141
- PIER 165

20 0 20 40 60 80'

1"=40'

PROPOSED FRAMING PLAN

NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-01 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NOS. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NOS. TYP-01 TO TYP-16.
4. FOR STEEL REPAIR TABLES, SEE DWG. NO. SR-03.
5. FOR STEEL REPAIR DETAILS, SEE DWG. NO. SR-04.

LEGEND

XXX PROPOSED PIER NUMBER

X-XX EXISTING PIER NUMBER

PROPOSED STEEL FRAMING

EXISTING STEEL FRAMING (TO REMAIN)

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
PROPOSED FRAMING PLAN - 1

CONTRACT NUMBER D900055

DRAWING NO. FP-01
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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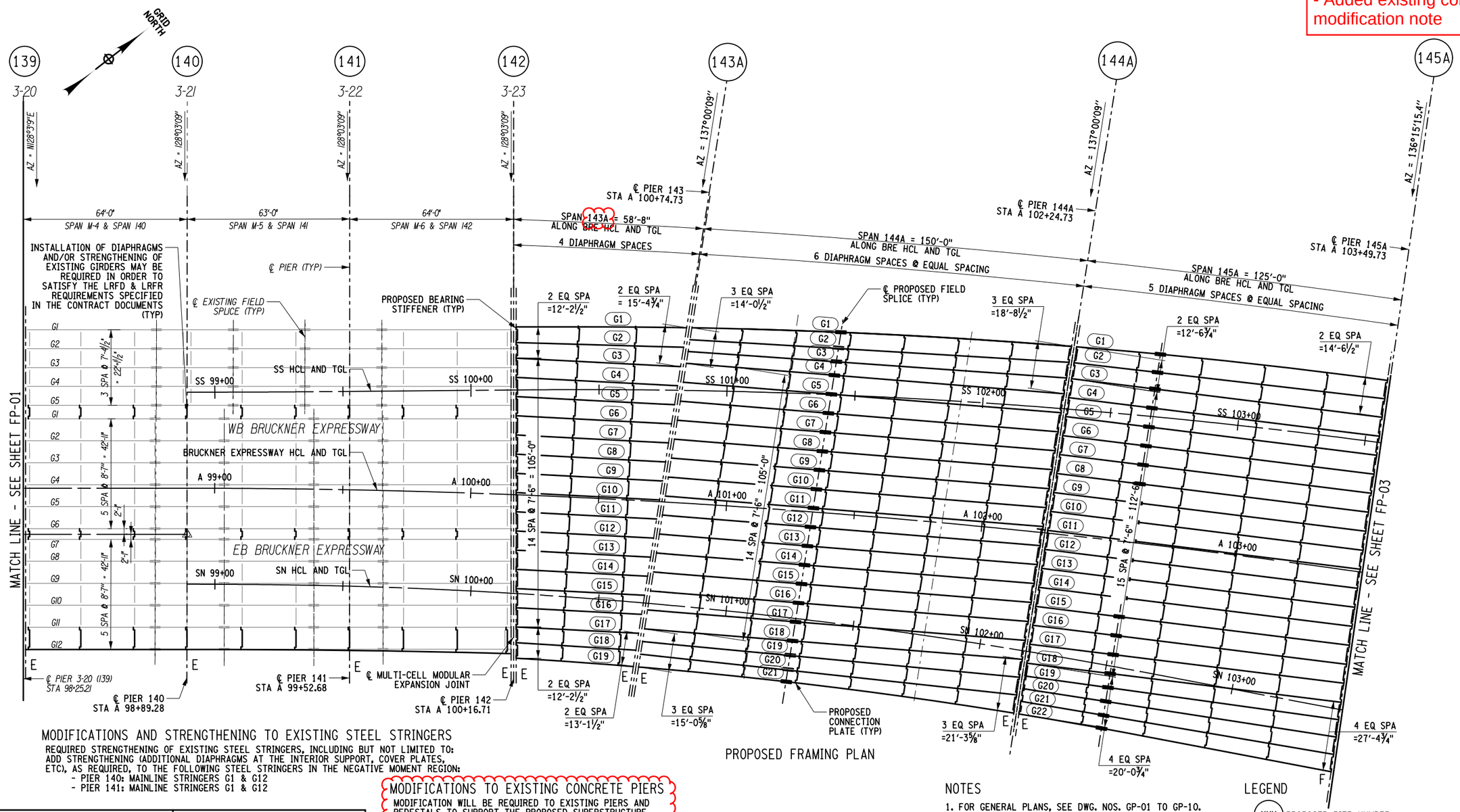
List of Revisions for Addendum #8
- Added existing concrete pier modification note



PROPOSED FRAMING PLAN

MODIFICATIONS AND STRENGTHENING TO EXISTING STEEL STRINGERS

REQUIRED STRENGTHENING OF EXISTING STEEL STRINGERS, INCLUDING BUT NOT LIMITED TO: ADD STRENGTHENING (ADDITIONAL DIAPHRAGMS AT THE INTERIOR SUPPORT, COVER PLATES, ETC), AS REQUIRED, TO THE FOLLOWING STEEL STRINGERS IN THE NEGATIVE MOMENT REGION:

- PIER 140: MAINLINE STRINGERS G1 & G12
- PIER 141: MAINLINE STRINGERS G1 & G12

MODIFICATIONS TO EXISTING CONCRETE PIERS

MODIFICATION WILL BE REQUIRED TO EXISTING PIERS AND PEDESTALS TO SUPPORT THE PROPOSED SUPERSTRUCTURE AT THE FOLLOWING LOCATIONS:

- PIERS 133 THROUGH 141
- PIER 165

20 0 20 40 60 80'

1"=40'

NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-01 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NOS. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NOS. TYP-01 TO TYP-16.
4. FOR STEEL REPAIR TABLES, SEE DWG. NO. SR-03.
5. FOR STEEL REPAIR DETAILS, SEE DWG. NO. SR-04.

LEGEND

XXX PROPOSED PIER NUMBER

X-XX EXISTING PIER NUMBER

PROPOSED STEEL FRAMING

EXISTING STEEL FRAMING (TO REMAIN)

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
PROPOSED FRAMING PLAN - 2

CONTRACT NUMBER D900055

DRAWING NO. FP-02
SHEET NO.

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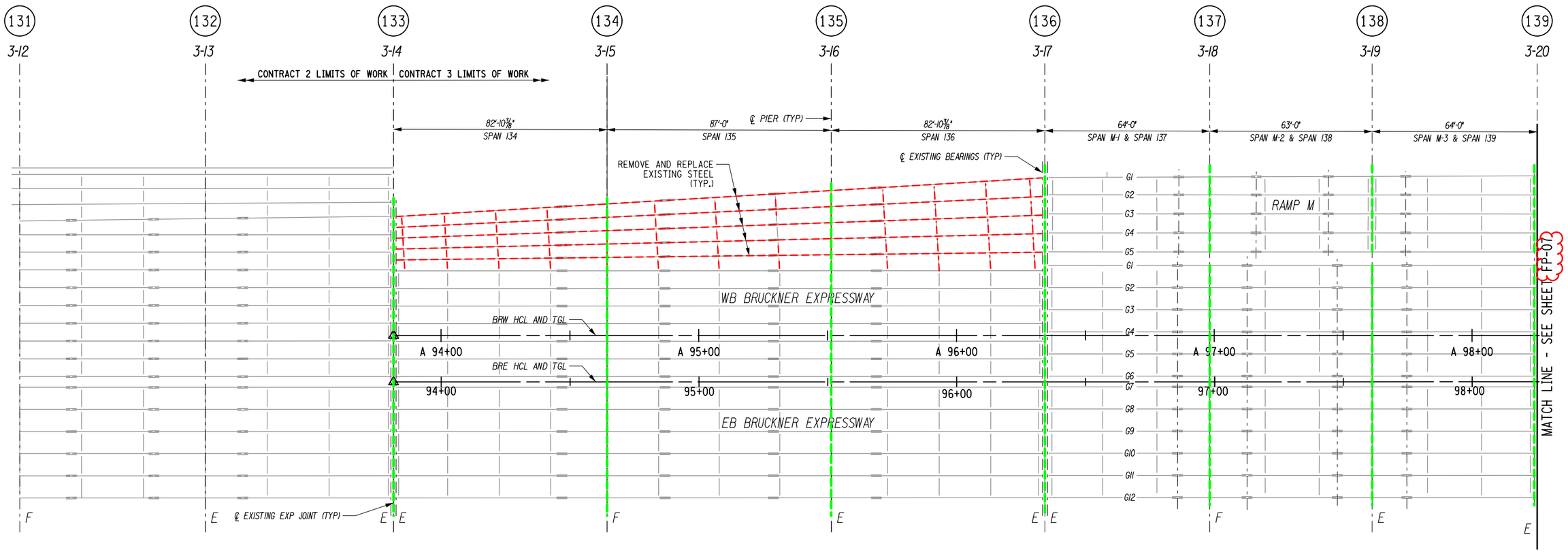
FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Structural/Sheets/Addendum #8/X731651_cpb_01_frm_FP-02 [
DATE/TIME = Thursday, July 21, 2022 03:20:19 PM
USER = ejarosch

Revisions for Addendum 8:
- Revised match line text



EXISTING FRAMING PLAN

NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-1 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NO. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NO. TYP-1 TO TYP-16.

LEGEND

(XXX) PROPOSED PIER NUMBER
3-XX EXISTING PIER NUMBER
EXISTING FRAMING TO BE REMOVED
EXISTING PIER TO BE REHABILITATED

20 0 20 40 60 80'
1"=40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
EXISTING FRAMING PLAN - 1

CONTRACT NUMBER D900055
DRAWING NO. FP-06
SHEET NO.

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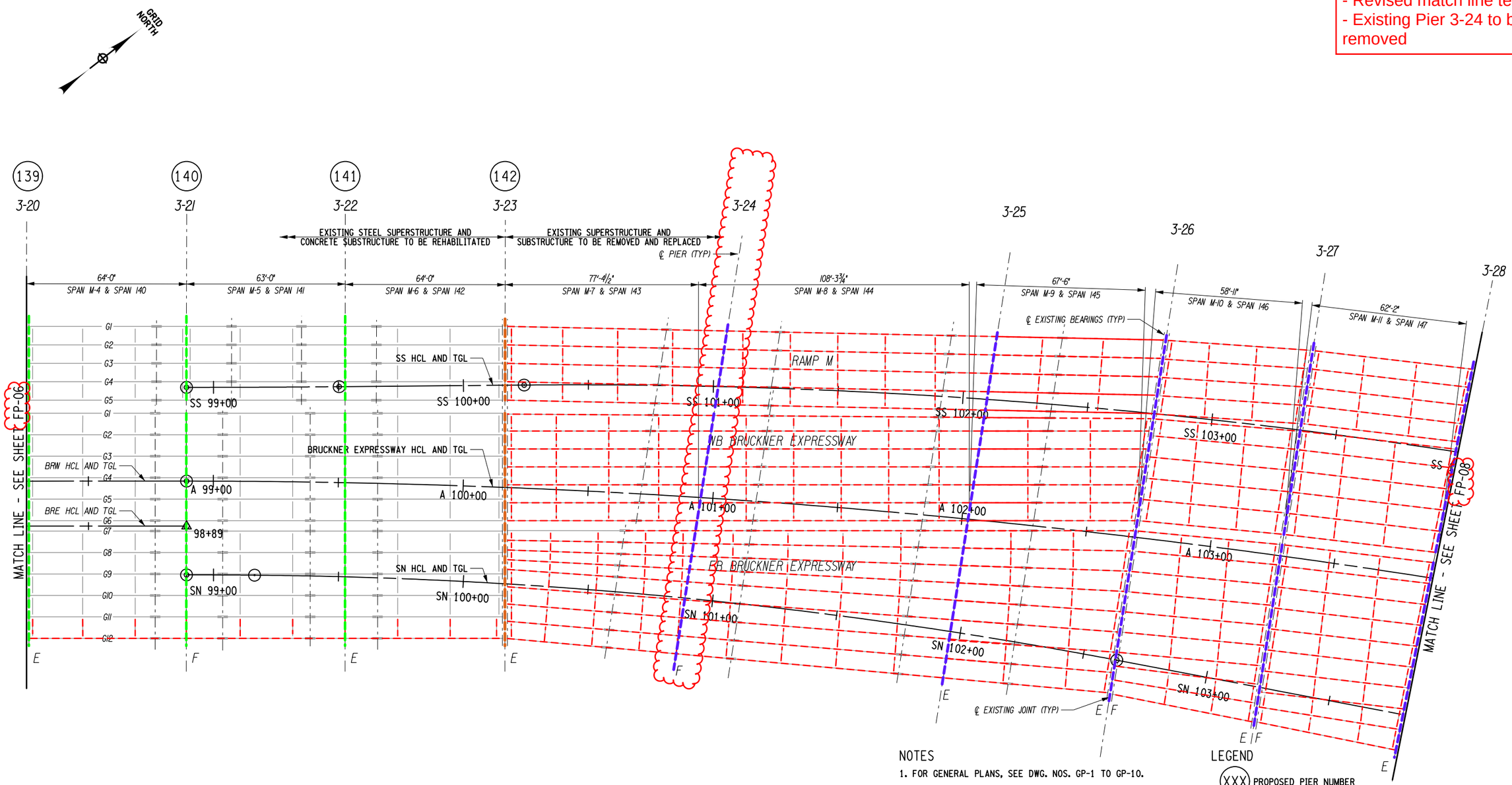
USER = cscatena

Revisions for Addendum 8:
- Revised match line text
- Existing Pier 3-24 to be removed



NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-1 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NO. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NO. TYP-1 TO TYP-16.

LEGEND

- XXX PROPOSED PIER NUMBER
- 3-XX EXISTING PIER NUMBER
- EXISTING FRAMING TO BE REMOVED
- EXISTING PIER TO BE REMOVED
- EXISTING PIER TO BE REHABILITATED

LEGEND

- EXISTING PIER CAP AND COLUMNS TO BE RECONSTRUCTED (SEE TYPICAL SECTION)

EXISTING FRAMING PLAN

20 0 20 40 60 80'
1"=40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
EXISTING FRAMING PLAN - 2

CONTRACT NUMBER D900055
DRAWING NO. FP-07
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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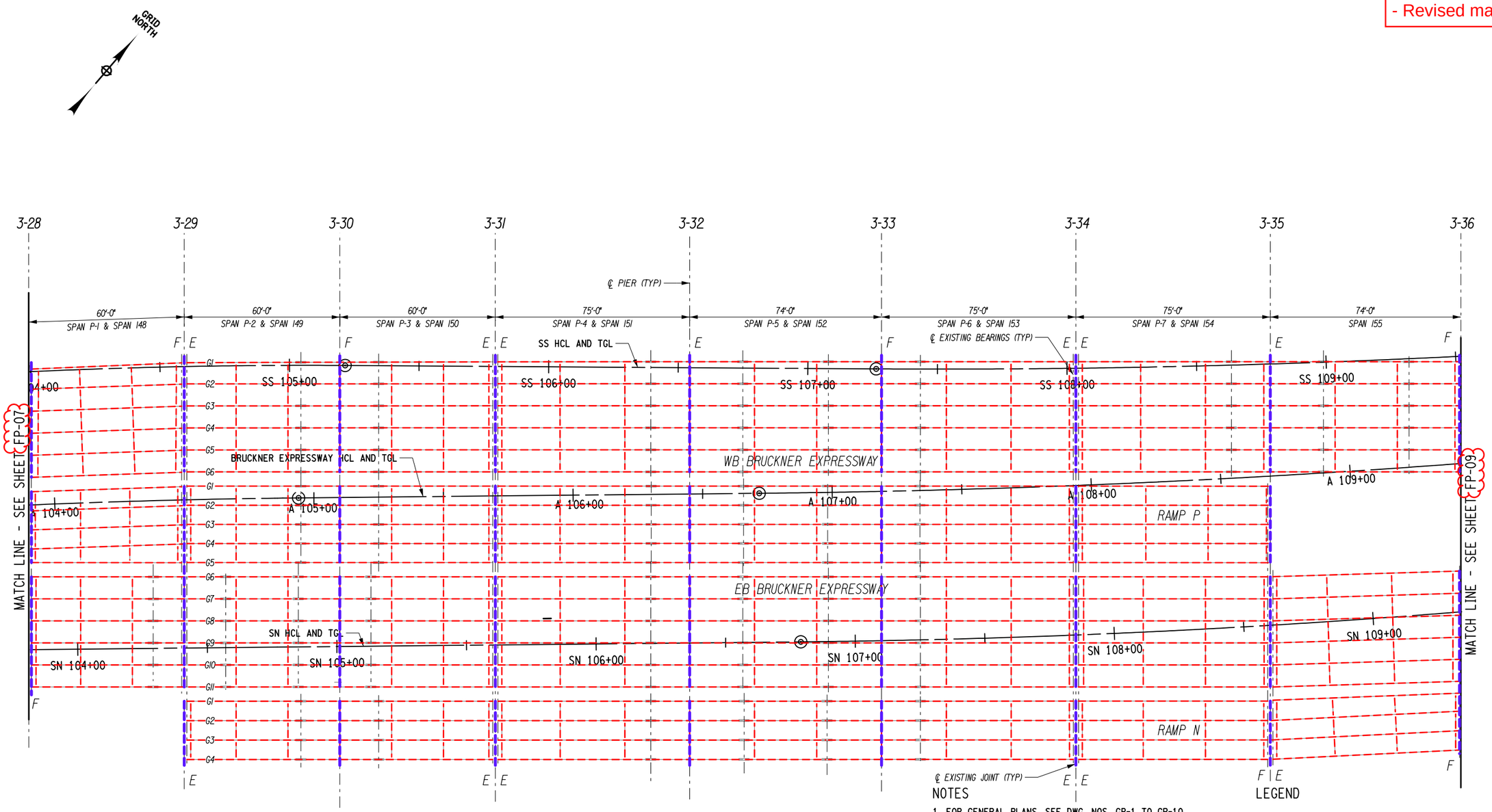
USER = cscatena

Revisions for Addendum 8:
- Revised match line text



EXISTING FRAMING PLAN

NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-1 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NO. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NO. TYP-1 TO TYP-16.

LEGEND

3-XX EXISTING PIER NUMBER

EXISTING FRAMING TO BE REMOVED

EXISTING PIER TO BE REMOVED

20 0 20 40 60 80'

1"=40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
EXISTING FRAMING PLAN - 3

CONTRACT NUMBER D900055

DRAWING NO. FP-08
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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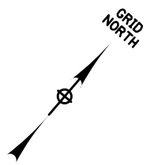
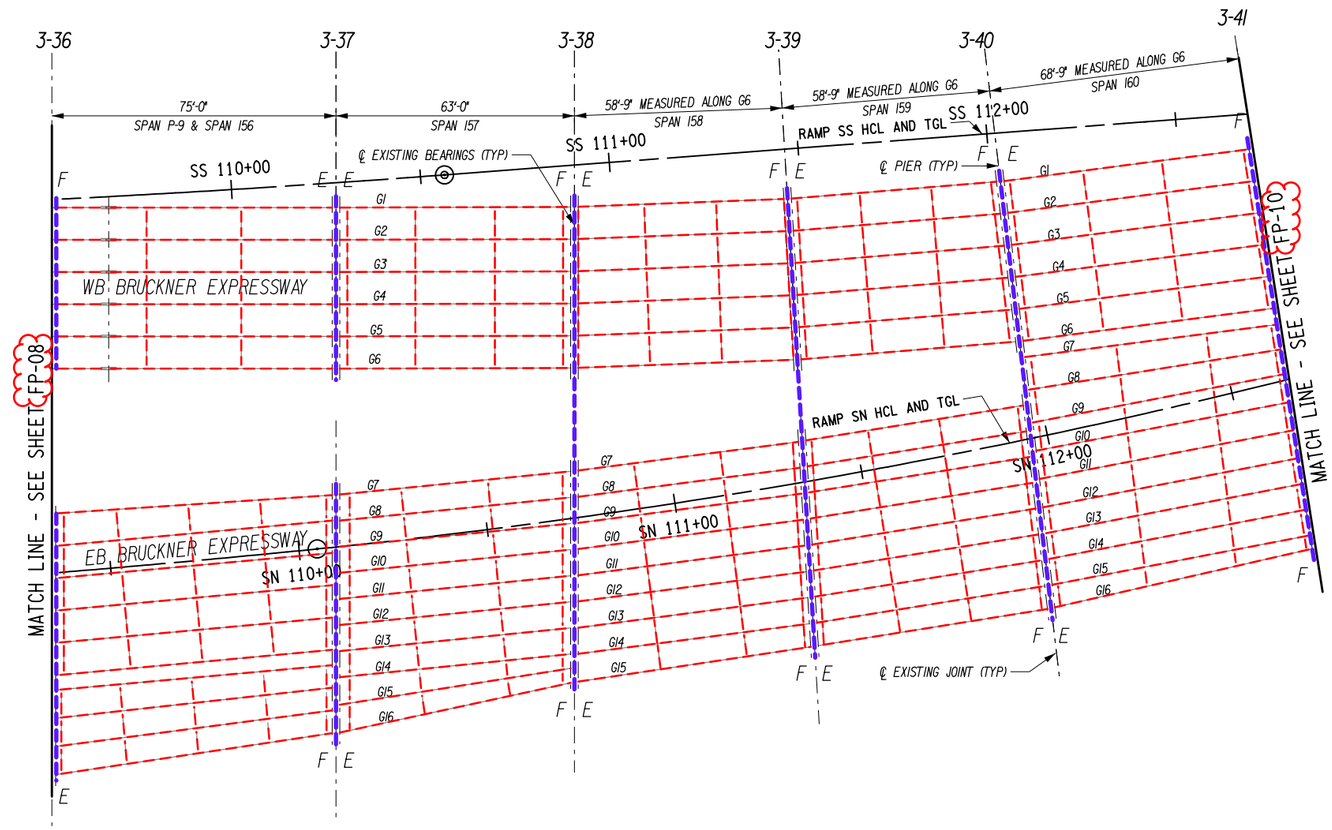
USER = cscatena

Revisions for Addendum 8:
- Revised match line text





EXISTING FRAMING PLAN

NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-1 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NO. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NO. TYP-1 TO TYP-16.

LEGEND

3-XX EXISTING PIER NUMBER

EXISTING FRAMING TO BE REMOVED

EXISTING PIER TO BE REMOVED

20 0 20 40 60 80'

1"=40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
EXISTING FRAMING PLAN - 4

CONTRACT NUMBER D900055

DRAWING NO. FP-09
SHEET NO.

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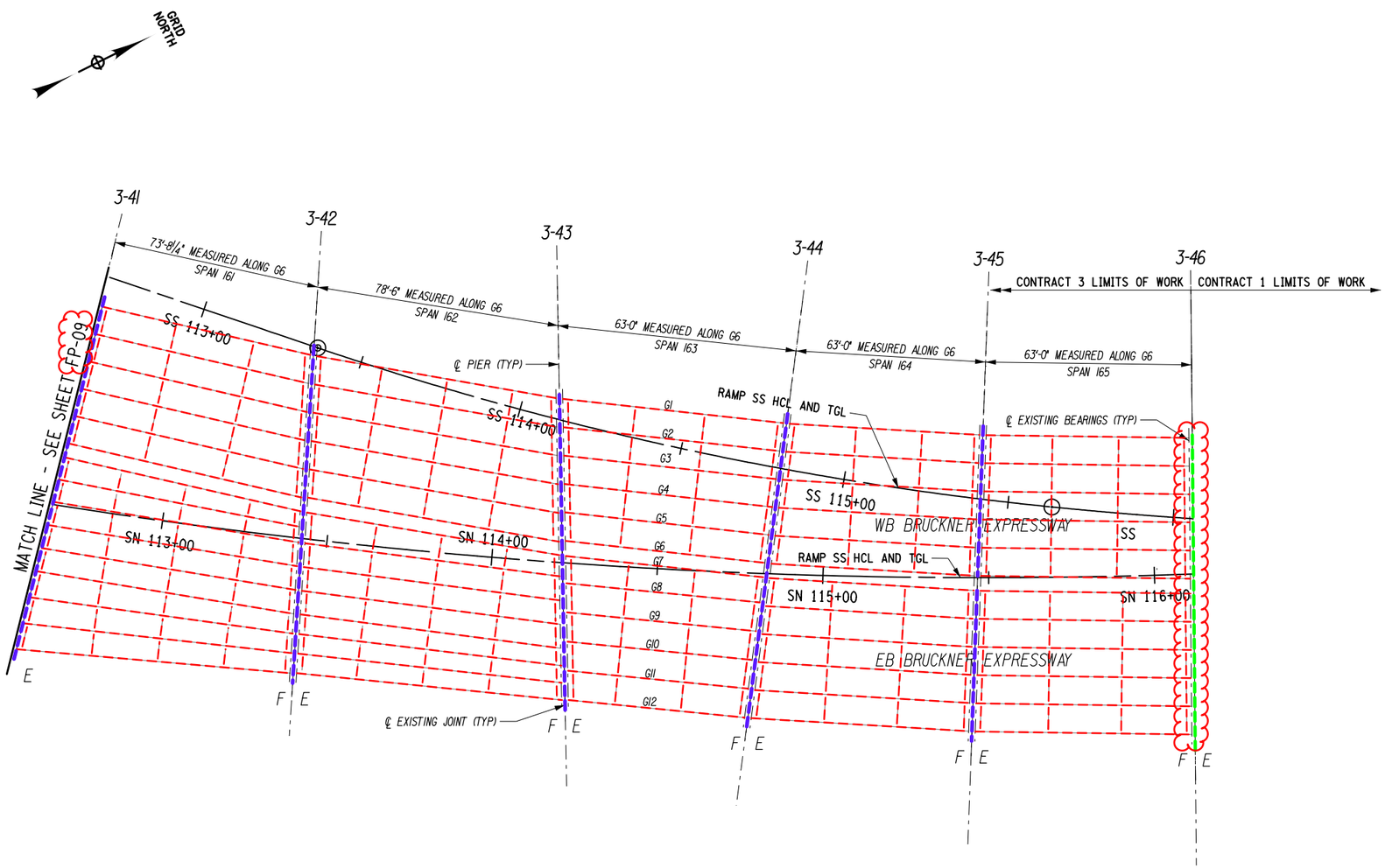
Revisions for Addendum 8:
- Revised match line text
- Existing pier 3-46 to be rehabilitated



EXISTING FRAMING PLAN

NOTES

1. FOR GENERAL PLANS, SEE DWG. NOS. GP-1 TO GP-10.
2. FOR PROPOSED ELEVATIONS, SEE DWG. NO. EL-01 TO EL-03.
3. FOR TYPICAL SECTIONS, SEE DWG. NO. TYP-1 TO TYP-16.

LEGEND

- 3-XX EXISTING PIER NUMBER
- EXISTING FRAMING TO BE REMOVED
- EXISTING PIER TO BE REMOVED
- EXISTING PIER TO BE REHABILITATED

20 0 20 40 60 80'

1"=40'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65 | BRIDGES | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDICATIVE PLANS
EXISTING FRAMING PLAN - 5

CONTRACT NUMBER D900055

DRAWING NO. FP-10
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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FILE NAME = pw:/../../../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/02 Dewberry/Structural/Sheets/Addendum #8/X731.65_cpb_01_frm_FP-10 [
DATE/TIME = Thursday, July 14, 2022 04:23:51 PM
USER = cscatena

ritical Design Elements for I-278: Bruckner Expressway

PIN:	X731.55	**NHS (Y/N):**	Yes
Route No. & Name:	I-278 Bruckner Expressway From East 141st Street to Evergreen Avenue	**Functional Classification:**	Urban Principal Arterial - Interstate
Project Type:	Reconstruction	**Design Classification:**	Interstate
% Trucks:	9%	**Terrain:**	Level
ADT:	133,000	**Truck Access/Qualifying Hwy:**	Access-No; Qualifying-Yes

Contract 3

	Element	Standard	Existing Condition	Proposed Condition
1	Design Speed[1]	50 mph Minimum, 70 mph Maximum HDM Section 2.7.1.1 A	60 mph Posted – 50 mph	60 mph Posted – 50 mph[1a] (Retain Existing)
2	Lane Width	12 ft Minimum HDM Section 2.7.1.1 B	11 ft[2]	11 ft[2]**
3	Shoulder Width	Left Side 10 ft Minimum Right Side 10 ft Minimum HDM Section 2.7.1.1 C Table 2-2	Varies[3] Left = 0 to 4 ft Right = 0 to 3 ft 5 in	Varies[3]** Left = 0 to 8 ft Right = 0 to 10 ft
4	Horizontal Curve Radius	1200 ft for e_{max} = 8%, V_d = 60 mph HDM Section 2.7.1 1 D, Table 2-2	250 ft Minimum	490 ft Minimum[4]**
5	Superelevation	8% Maximum HDM Section 2.7.1.1 E	6% Maximum	6% Maximum[9]** (Retain Existing)
6	Stopping Sight Distance (Horizontal and Vertical)	570 ft for V_d = 60 mph HDM Section 2.7.1.1 F, Table 2-2	125 ft (H)[5] 293 ft (V)[5]	240 ft (H)[5]** 291 ft (V)[5]**
7	Grade	3% Maximum (4% In Urban Area)[6] HDM Section 2.7.1.1 G, Table 2-2	7% Maximum	5% Maximum[7]**
8	Cross Slope	1.5% Minimum to 2.5% Maximum HDM Section 2.7.1.1 H	1.5% Minimum to 2% Maximum	1.5% Minimum to 2% Maximum
9	Vertical Clearance	14 ft Minimum, 14 ft 6 in Desirable NYSDOT Bridge Manual Section 2.3 For Pedestrian Bridges, add 1 ft to minimum clearance	14 ft-3 in Minimum[8]	14 ft-6 in Minimum 15 ft-6 in Minimum for Pedestrian bridge[8]
10	Design Loading Structural Capacity	New Bridge AASHTO HL-93 Live Load Rehabilitation AASHTO HS 20 Live Load NYSDOT Bridge Manual Section 2	AASHTO HS 20 Live Load	New Bridge AASHTO HL-93 LL Rehabilitation AASHTO HS 20 LL
11	Pedestrian Accommodation	Complies with HDM Chapter 18	N/A	N/A

12 ft

350 ft(V)**

** Denotes non-standard features.

1. The use of a Design Speed of 60 mph is consistent with the anticipated off-peak 85th percentile speed within the range of functional class speeds for the terrain and volume.

1a. Post warning speed 35 mph for the segment between Sta. A 106+71 and BRE/BRW 116+10.

2. 11 ft lane width only on drawbridge over Bronx River. 12 ft lanes elsewhere.
3. From East 141st Street to Tiffany Street:
   - Existing: Left: 4 ft, Right: 3 ft 5 in
   - Proposed: Left: 4 ft, Right: 6 ft

   From Tiffany Street to Bruckner–Sheridan Interchange:
   - Existing: Left: 4 ft, Right: 3 ft 5 in
   - Proposed: Left: 4 ft 6 in, Right: 10 ft At Bruckner–Sheridan Interchange:
   - Existing: 0 to 3 ft
   - Proposed: EB Left:0 ft, EB Right: 8 ft, WB Left: 8 ft, WB Right: 0 ft. (8 ft on inner curve to provide better SSD)

   At Bronx River Eastern Boulevard Bridge
   - No Shoulders

   From Bronx River Avenue to Evergreen Avenue
   - Existing: Left: 0 ft, Right: 0 ft
   - Proposed: Left: 0 ft, Right: 0 to 6 ft
4. 490 feet radius from Station BRE 112+00 to BRE 116+00, maintain existing horizontal curve radius elsewhere.
5.
   - Existing - Horizontal SSD at Bruckner Interchange Curve; Vertical SSD at Bridge over railroads.
   - Proposed – Horizontal SSD at Bruckner Interchange Curve; Vertical SSD at Bridge over railroads.
   - Vertical SSD on Bruckner Expressway Sta A 99+90 to Sta BRE/W 103+20: Existing = 250 ft, Proposed = 350 ft
6. Grades 1% steeper could be used for one-way downgrades and for extreme cases in urban areas where development precludes the use of flatter grades.

7.
    - 5% Grade from Station A 100+50 to BRE/W 112+00
    - 4.47% Grade from Station BRE/W 112+00 to BRE/W 120+00
    - Maintain existing grade elsewhere.
8. Existing Pedestrian Bridge at Bryant Avenue will be replaced under the project with a proposed pedestrian bridge conforming to NYSDOT HDM Chapter 18. The proposed bridge will have a vertical clearance of 15 ft 6 in.
9. Horizontal curve: from Sta. BRE/W 98+99 to Sta. BRE/W 104+94 e=5.5% proposed

Critical Design Elements for Ramp SN

PIN:	X731.55	NHS (Y/N):	Yes
Route No. & Name:	Proposed Ramp SN CD Roadway from I-278 EB to NB Route 895, Ramp SE and NB Westchester Ramp	Functional Classification:	Other Roadways – Urban Turning Roadways
Project Type:	New Ramp Construction	Design Classification:	Ramps (Turning Roadways for Grade-Separated Highways)
% Trucks:	9%	Terrain:	Level
ADT:	20,000	Truck Access/Qualifying Hwy.	Access-No; Qualifying-Yes

	Element	Standard	Existing Condition	Proposed Condition
1	Design Speed[1]	Highway Design Speed = 60 mph[1] Minimum Ramp Design Speed = 30 mph HDM Section 2.7.5.3 A	N/A	40 mph
2	Traveled Way Width (From begin to SN 107+50)	15 ft Minimum, Case II Condition C HDM Section 2.7.5.3 B, Table 2-9	N/A	One 15 ft travel lane
2a	Traveled Way Width (From SN 107+50 to SN 117+50)	25 ft Minimum, Case III Condition C[2] HDM Section 2.7.5.3 B, Table 2-9	N/A	Two 12 ft 6 in travel lanes Total: 25 ft
2b	Traveled Way Width (From SN 120+00 to end)	27 ft Minimum, Case III Condition C HDM Section 2.7.5.3 B, Table 2-9	N/A	Two 12 ft 6 in travel lanes Total: 25 ft**
3	Shoulder Width (From begin to SN 117+50)	4 ft left, 6 ft right HDM Section 2.7.5.3 C Table 2-10a	N/A	Left = 4 ft Right = 6 ft
3a	Shoulder Width (Adjacent to Ramp ES) (From SN 120+00 to end)	4 ft left, 6 ft right HDM Section 2.7.5.3 C Table 2-10a	N/A	Left = 2 ft** Right = 2 ft**
4	Horizontal Curve Radius	V_d = 40 mph, R = 444 ft Minimum HDM Section 2.7.5.3 D, Table 2-10a	N/A	1,800 ft Minimum
5	Superelevation	8% Maximum HDM Section 2.7.5.3 E	N/A	5.5% Maximum
6	Stopping Sight Distance (Horizontal and Vertical)	V_d = 40 mph, SSD = 305 ft Minimum HDM Section 2.7.5.3 F, Table 2-10a	N/A	385 ft (H) 330 ft (V)
7	Grade	6% Maximum HDM Section 2.7.5.3 G, Table 2-10a	N/A	4.5% Maximum
8	Cross Slope	1.5% Minimum to 2.5% Maximum HDM Section 2.7.5.3 H	N/A	1.5% Minimum to 2% Maximum
9	Vertical Clearance	14 ft Minimum, 14 ft 6 in Desirable NYSDOT Bridge Manual Section 2.3	N/A	14 ft - 6 in Minimum
10	Design Loading Structural Capacity	New Bridge AASHTO HL-93 Live Load NYSDOT Bridge Manual Section 2	N/A	New Bridge AASHTO HL-93 Live Load
11	Pedestrian Accommodation	Complies with HDM Chapter 18	N/A	N/A

** Denotes non-standard features

1. The use of a Design Speed of 40 mph is consistent with the anticipated off-peak 85th percentile speed within the range of functional class speeds for the terrain and volume.
2. As per HDM Chapter 2 Table 2-9; For Case III, Condition C, 2 ft is deducted when either shoulder is 4 ft or wider. (27 ft – 2 ft = 25 ft)

Critical Design Elements for Ramp SS

PIN:	X731.55	NHS (Y/N):	Yes
Route No. & Name:	Ramp from SB Route 895 Sheridan Boulevard to I-278 WB Bruckner Expressway Proposed Ramp SS	Functional Classification:	Other Roadways – Urban Turning Roadways
Project Type:	New Ramp Construction	Design Classification:	Ramps (Turning Roadways for Grade-Separated Highways)
% Trucks:	12%	Terrain:	Level
ADT:	17,000	Truck Access/Qualifying Hwy.	Access-No; Qualifying-Yes

	Element	Standard	Existing Condition	Proposed Condition	
1	Design Speed[1]	Highway Design Speed = 60 mph[1] Minimum Ramp Design Speed = 30 mph HDM Section 2.7.5.3 A	N/A	40 mph	Contract 3
2	Traveled Way Width	15 ft Minimum, Case II, Condition C[2] HDM Section 2.7.5.3 B, Table 2-9	N/A	One 15 ft travel lane	
3	Shoulder Width	Left Side 4 ft Minimum, Right Side 6 ft Minimum HDM Section 2.7.5.3 C Table 2-10a	N/A	Left = 1 ft 0 in[3**] Right = 6 ft	L = 4 ft R = 6 ft
4	Horizontal Curve Radius	V_d = 40 mph, R = 444 ft Minimum HDM Section 2.7.5.3 D, Table 2-10a	N/A	965 ft Minimum	975 ft
5	Superelevation	8% Maximum HDM Section 2.7.5.3 E	N/A	6.5% Maximum	
6	Stopping Sight Distance (Horizontal and Vertical)	V_d = 40 mph, SSD = 305 ft Minimum HDM Section 2.7.5.3 F, Table 2-10a	N/A	325 ft (H) 315 ft (V)	
7	Grade	6% Maximum HDM Section 2.7.5.3 G, Table 2-10a	N/A	5% Maximum	
8	Cross Slope	1.5% Minimum to 2.5% Maximum HDM Section 2.7.5.3 H	N/A	1.5% Minimum to 2% Maximum	
9	Vertical Clearance	14 ft Minimum, 14 ft 6 in Desirable NYSDOT Bridge Manual Section 2.3	N/A	14 ft - 6 in Minimum	
10	Design Loading Structural Capacity	New Bridge AASHTO HL-93 Live Load NYSDOT Bridge Manual Section 2	N/A	New Bridge AASHTO HL-93 Live Load	
11	Pedestrian Accommodation	Complies with HDM Chapter 18	N/A	N/A	

** Denotes non-standard features

1. The use of a Design Speed of 40 mph is consistent with the anticipated off-peak 85th percentile speed within the range of functional class speeds for the terrain and volume.
2. As per HDM Chapter 2 Table 2-9; For Case II, Condition C, deduct both stabilized shoulders and use minimum travel lane width under Case I, condition C = 15 ft for R = 500 ft.
3. 1 ft-0 in left shoulder only on segment adjacent to Ramp ESS (SS 120+00 to end).

Critical Design Elements for Bruckner Boulevard

PIN:	X731.55	**NHS (Y/N):**	Yes
Route No. & Name:	Bruckner Boulevard from East 141st Street to Wheeler Avenue	**Functional Classification:**	Urban Principal Arterial - Other
Project Type:	Reconstruction	**Design Classification:**	Urban Arterial (NHS)
% Trucks:	15%	**Terrain:**	Level
ADT:	38,000	**Truck Access/Qualifying Hwy.**	Access-No; Qualifying-No

Contract 3

	Element	Standard	Existing Condition	Proposed Condition
1	Design Speed[1]	30 mph Minimum, 40 mph Maximum HDM Section 2.7.2.4 A	30 mph	30 mph
2	Lane Width	Travel Lanes:13 ft Min., 15 ft Desirable Turning Lanes: 11 ft. Min., 12 ft. Desirable Parking Lanes: 8 ft Min, 12 ft Desirable HDM Section 2.7.2.4 B, Table 2-4a	Travel: 11 ft Min.** Turning: 11 ft Min. Parking: 7 ft Min.**	Travel: 11 ft Min.** Turning: 11 ft Min. Parking: 7 ft Min.**
3	Shoulder Width	Left: 0 ft Minimum, 1 to 2 ft Desirable Right: 5 ft Minimum, 6 ft Desirable HDM Section 2.7.2.4 C Table 2-4a	Left = 0 ft Right = 0 ft**	Left = 0 ft Right = 0 ft**
4	Horizontal Curve Radius	V_d =30 mph, R = 250 ft Minimum HDM Section 2.7.2.4 D, Table 2-4a	167 ft[2]**	350 ft[2]
5	Superelevation	4% Maximum HDM Section 2.7.2.4 E	4% Maximum	4% Maximum
6	Stopping Sight Distance (Horizontal and Vertical)	SSD = 200 ft Minimum HDM Section 2.7.2.4 F, Table 2-4a	110 ft (H)[2]** 250 ft (V)[2]	130 ft (H)[2]** 151 ft (V)[2]
7	Grade	8% Maximum HDM Section 2.7.2.4 G, Table 2-7	3.5 % Maximum	6.5 % Maximum
8	Cross Slope	1.5% Minimum to 2.5% Maximum HDM Section 2.7.2.4 H	1.5% Min. to 4% Max.	1.5% Min. to 2.5% Max.
9	Vertical Clearance	14 ft Minimum, 14 ft 6 in Desirable NYSDOT Bridge Manual Section 2.3 For Pedestrian Bridges, add 1 ft to min clearance	12 ft 10 in Posted[3]	14 ft 6 in[3] 15 ft 6 in for Ped. Bridge[3]
10	Design Loading Structural Capacity	New Bridge AASHTO HL-93 Live Load Rehabilitation AASHTO HS 20 Live Load NYSDOT Bridge Manual Section 2	AASHTO HL-93 Live Load	New Bridge AASHTO HL-93 Live Load
11	Pedestrian Accommodation	Complies with HDM Chapter 18	No[4]	Yes

254 ft(V)

** Denotes non-standard features.

1. The use of a Design Speed of 30 mph is consistent with the anticipated off-peak 85th percentile speed within the range of functional class speeds for the terrain and volume.
2. A. Existing and Proposed radius at bridge over railroad.
   B. 140 ft and 139 ft Horizontal Stopping Sight Distances at New Slip Ramp Sta 34+50 and at Existing Slip Ramp Sta 97+75 respectively.
3. 12 ft 10 in. posted at existing pedestrian bridge at Bryant Avenue. Proposed pedestrian bridge will have 15 ft 6 in minimum clearance.
4. Existing pedestrian bridge at Bryant Avenue will be replaced with new pedestrian bridge conforming to HDM Chapter

Primary Design Values for Paved Shared-Use Path

Element	Standard Value	Source[1]	Proposed Value
Design Speed	20 mph	AASHTO	20 mph
Shared-Use Width	10 ft minimum	AASHTO	10 ft minimum (6.5 ft for approx. 100 ft on WB Bruckner Blvd at existing bridge over Bronx River)*
Adjacent Graded Width	2 ft minimum width 1:6 maximum cross slope	AASHTO	2 ft with 1:6 cross slope
Maximum Grade[2]		AASHTO	5% maximum
Cross Slope	2% maximum	HDM Chapter 18	2%
Horizontal Curvature	74 ft minimum	AASHTO	74 ft minimum
Stopping Sight Distance	195 ft minimum	AASHTO	195 ft
Horizontal Sight Distance	56 ft minimum	AASHTO	43 ft*
Crest Vertical Curve	423 ft minimum	AASHTO	N/A
Horizontal Clearance	2 ft minimum	AASHTO	0 ft[3]
Vertical Clearance	10 ft minimum	AASHTO	10 ft minimum

* Denotes non-conforming features. For additional information, see Section 3.3.2.2, Bicyclists

1. AASHTO means the 2012 AASHTO Guide for the Development of Bicycle Facilities.
2. See AASHTO Guide for the Development of Bicycle Facilities for more information.
3. Horizontal Clearance is restricted along the path under Bruckner Expressway due to bridge structure columns located along Bruckner Boulevard and adjacent roadway barriers.

Contract 3

10 ft

Other Design Parameters for Bruckner Expressway

Element	Recommended Value	Existing Condition	Proposed Condition
Design Vehicle Turning Radius	WB-67	Varies	WB-67
Deceleration Lane length Contract 2 Westbound Exit ramp (Exit 48) Ramp BL	1500 ft From AASHTO Chapter 10 Figure 10-76	1200 ft (Contract 2)	1600 ft Auxiliary Lane
Acceleration Lane length Proposed Westbound Entrance ramp Ramp SS	1000 ft From AASHTO Chapter 10 Table 10-3	N/A	1600 ft Auxiliary Lane
Deceleration Lane length Proposed Eastbound Exit ramp (Exit 49) to Ramp SN	470 ft From AASHTO Chapter 10 Table 10-5	Lane Drop Exit	Lane Drop Exit
Deceleration Lane length Westbound Exit ramp (Exit 50) to Hunts Point Avenue	470 ft From AASHTO Chapter 10 Table 10-5	Lane Drop Exit[3]	140 ft*[2]
Acceleration Lane length Proposed Eastbound Entrance ramp after Bronx River	1000 ft From AASHTO Chapter 10 Table 10-3	N/A	800 ft*[1]
Deceleration Lane length Westbound Exit ramp (Exit 51) to Bronx River Avenue	470 ft From AASHTO Chapter 10 Table 10-5	600 ft	600 ft
Access Control Proposed Eastbound Entrance ramp after Bronx River	100 ft ROW w/o access at interchanges From AASHTO Ch 8	< 100 ft*	< 100 ft*[4] (Retained)
Access Control Westbound Exit ramp (Exit 50) to Hunts Point Avenue	100 ft ROW w/o access at interchanges From AASHTO Ch 8	< 100 ft*	< 100 ft*[4] (Retained)
Access Control Westbound Exit ramp (Exit 51) to Bronx River Avenue	100 ft ROW w/o access at interchanges From AASHTO Ch 8	< 100 ft*	< 100 ft*[4] (Retained)
Shoulder Drainage / Ponding water Bruckner Expressway	½ width of travel lane From NYSDOT HDM 8.7.4.4.C.	Varies*[5] Left = 0 to 4 ft Right = 0 to 3ft 5in	Varies*[5] Left = 0 to 4 ft Right = 0 to 10 ft
Shoulder Drainage / Ponding water Various Ramps		Varies*[5] Left = 0 to 2 ft Right = 0 to 2 ft	Varies*[5] Left = 0 to 4 ft Right = 0 to 6 ft
Minimum superelevation runoff	$L_r = (wn_1e_db_w)/\Delta$ From NYSDOT HDM 5.7.3.3	Varies*[7]	Varies*[7]
Minimum superelevation runout	$L_t = l_E(e_{NC}/e_d)$ From AASHTO Chapter 3	Varies*[7]	Varies*[7]
Minimum Tangent between Broken Back Curves	1500 ft NYSDOT HDM 5.7.3.5	N/A	Varies*[8]
Minimum Tangent for Reverse Curve	325 ft From NYSDOT HDM 5.7.3.5	Varies*[7]	Varies*[7]
Maximum superelevation on tangent	60% to 90% From NYSDOT HDM 5.7.3.3	Varies*[7]	Varies*[7]
Minimum Length of Sag Vertical Curve Bruckner Expwy EB BRE Under Ramp ES	Sight Distance under vertical obstructions From NYSDOT HDM 5.7.4.2 B	N/A	L_{min} = 45 ft

Minimum Length of Sag Vertical Curve Bruckner Expwy WB BRW Under Ramp ES	Sight Distance under vertical obstructions From NYSDOT HDM 5.7.4.2 B	N/A	L_{min} = 40 ft
Minimum Length of Sag Vertical Curve Ramp SN under Ramp ES		N/A	L_{min} = 78 ft
Bay taper length	50 ft to 100 ft NYSDOT HDM 5.9.8.2 E	N/A (New Ramp BL)	50 ft to 100 ft
Turn lane lengths, based on deceleration distance for constrained areas	240 ft NYSDOT HDM 5.9.8.2.G	N/A (New Ramp BL)	240 ft
Barrier crash testing criteria	TL-5 NYSDOT HDM 10.2.3	Varies	TL-5
Barrier height	42 in NYSDOT HDM 10.2.3	32 in	42 in
Median width	10 ft Min, NYSDOT HDM 3.2.8.1	Varies	11 ft
Median Barrier	NYSDOT HDM 10.2.4	Warranted	Warranted
Rollover	4% max. between travel lanes, 8% max. between travel lane and shoulder NYSDOT HDM 3.2.5.1 and 7.5.2.1.L	4% max. between travel lanes, 8% max. between travel lane and shoulder	4% max. between travel lanes, 8% max. between travel lane and shoulder

* Denotes nonconforming features.

1. Proposed distance of 800 feet does not meet standard distance of 1000 ft due to severe Right-of-Way impacts, parking and business access. Achieving standard value will not be feasible due to physical constraints (private property, business access).
2. Proposed distance of 140 feet does not meet standard distance of 470 ft due to severe Right-of-Way impacts and business access. Achieving standard value will not be feasible due to physical constraints (private property, business access, and impacts to railroads (Amtrak Northeast corridor and CSX).
3. Existing exit is lane drop, to be converted to tapered exit ramp with a deceleration lane of 140 ft.
4. Proposed distance of less than 100 feet does not meet standard distance of 100 feet for both eastbound entrance ramp and westbound exit ramp (Exit 51) and proposed westbound exit and entrance ramps at Leggett Avenue. Access Control is not feasible due to physical constraints (private property, business access).
5. Refer to Bruckner Expressway Design Criteria Table Element 3 for shoulder widths.
6. Refer to Ramp Design Criteria Table Element 3 for shoulder widths.
7. The following list nonconforming superelevation features for the following roadways:
    a. Bruckner Expressway
        i. Refer to As-built reference plans for existing values
        ii. Existing Curve BRE 3 (e = 6%) to Curve BRE 4 (e = NC) at Sta. BRE 116+08± (No Tangent between RC and fully superelevated)
        iii. Existing Curve BRW 3 Sta. BRW 115+70± (e = 6%) to Sta. BRW 116+30± (Fully superelevated on tangent)
        iv. Curve A1 (e = 5.5%) to Curve A2 (e = 2%) at station A 104+94 to A 106+72 has a tangent of 178 feet
        v. Curve BRE1 (e = 2%) to Curve BRE2 (e = 6%) at Station BRE 112+00 (No Tangent between the two curves)
        vi. Curve BRW1 (e = 2%) to Curve BRW2 (e = 6%) at Station BRE 112+00 (No Tangent between the two curves)
    b. Ramp ES
        i. Proposed structure, no existing values
        ii. From Sta. ES 10+50± to ES 23+85± (e = NC)
        iii. Curve ES 5 (e = NC) to Curve ES 6 (e = 5%) at Sta. ES 23+85± (No Tangent between Reverse Curves)
        iv. Curve ES 6 Sta. ES 26+67± (e = 5%) to Curve ES 7 Sta. ES 27+67± (e = 7%) from to (100 ft Tangent)
    c. Ramp SE
        i. Proposed structure, no existing values
        ii. From ramp SN Sta. SE 10+00± (e = 5.2%) to Curve SE 2 Sta. SE 12+02± (e = 8%)
        iii. From Curve SE 3 Sta. SE 14+42± (e = 8%) to Curve SE 4/ Curve ES 6 Sta. ES 23+28± (e = 5%)
    d. Ramp BL
        i. Proposed structure, no existing values
        ii. Curve BL2 (e = 2%) to Curve BL3 (e = NC) at Sta. BL 20+53± (No tangent between Reverse Curves. Maintain 2% cross slope through both curves.)
8. Proposed distances of 805 ft on Bruckner Expressway and 281 ft on Ramp SS does not meet standard distance of 1500 ft due to the physical and geometric constraints of the proposed widened viaduct.

Other Design Parameters for Bruckner Boulevard

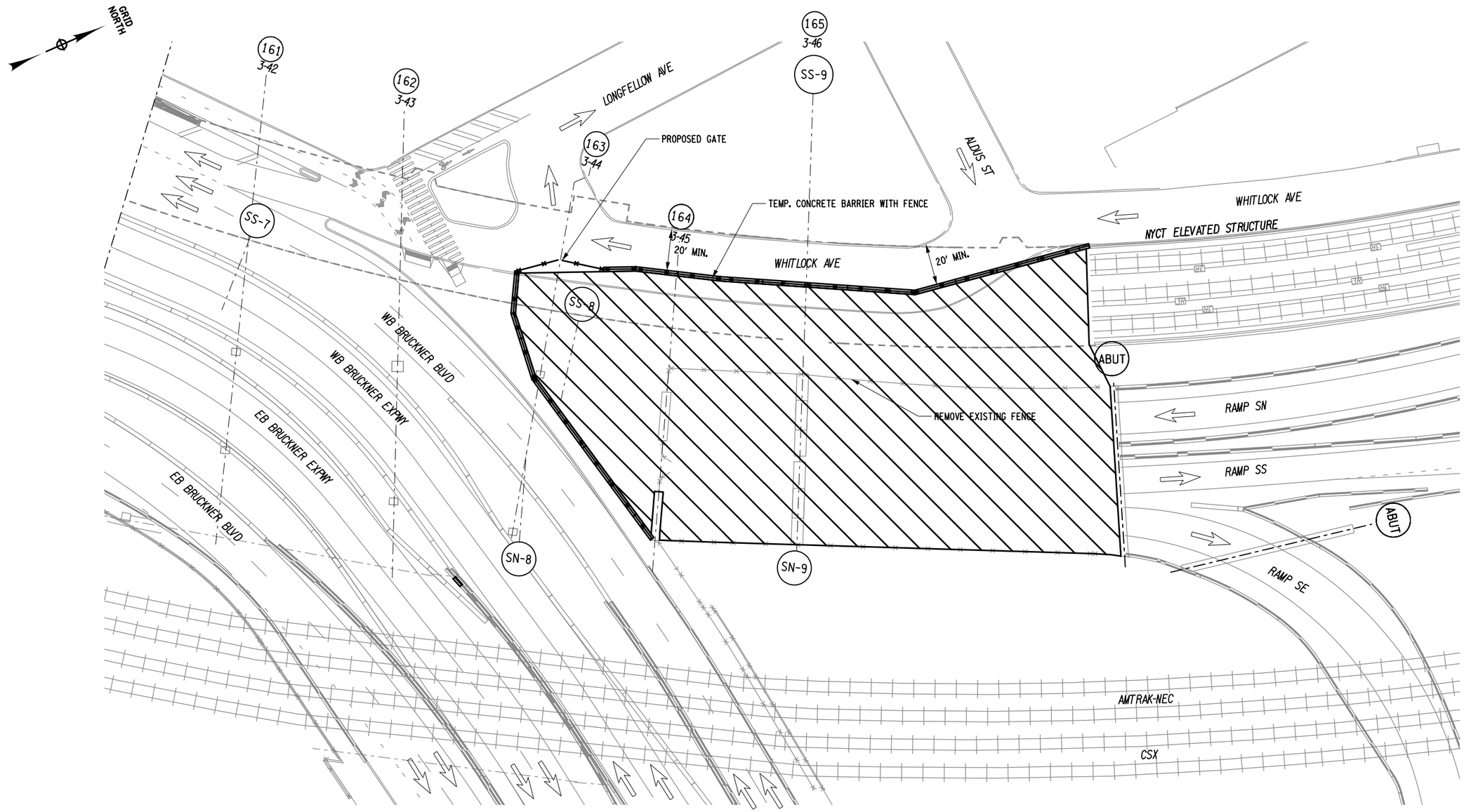
Element	Recommended Value	Existing	Proposed Conditions
Design Vehicle Turning Radius	WB-50 Design Vehicle NYCDOT Truck Routes	WB-50 Design Vehicle on Truck Routes SU-30 Elsewhere	WB-50 Design Vehicle on Truck Routes[1] SU-30 Elsewhere
Deceleration Lane length Westbound Exit ramp (Exit 50) to Hunts Point Avenue	470 ft From AASHTO Chapter 10 Table 10-5	Lane Drop Exit[3]	140 ft*
Acceleration Lane length Proposed Eastbound Entrance ramp after Bronx River	1000 ft From AASHTO Chapter 10 Table 10-3	N/A	800 ft*
Access Control Westbound Exit ramp (Exit 50) to Hunts Point Avenue	100 ft ROW w/o access at interchanges	< 100 ft	< 100 ft* (Retain Existing)
Access Control Proposed Eastbound Entrance ramp after Bronx River	100 ft ROW w/o access at interchanges	< 100 ft	< 100 ft* (Retain Existing)
Maximum width of spread for ponding water on other roadways	½ width of travel lane, NYSDOT HDM 8.7.4.4.C	Varies	½ width of travel lane
Intersection Skew	Acute Angle ≥60° NYSDOT HDM 5.9.3.3	90° Barretto Street Intersection	90° Barretto Street Intersection (Retain Existing)
		83° Hunts Point Ave and EB Bruckner Blvd	90° Hunts Point Ave and EB Bruckner Blvd
		81° Hunts Point Ave and WB Bruckner Blvd	81° Hunts Point Ave and WB Bruckner Blvd (Retain Existing)
		90° Faile St and EB Bruckner Blvd	90° Faile St and EB Bruckner Blvd
		53° Faile St and WB Bruckner Blvd	53°[2*] Faile St and WB Bruckner Blvd (Retain Existing)
		90° Bryant Ave and EB Bruckner Blvd	90° Bryant Ave and EB Bruckner Blvd
		52° Bryant Ave and WB Bruckner Blvd	83° Bryant Ave and WB Bruckner Blvd
		165° Whitlock Ave and WB Bruckner Blvd	165° Whitlock Ave and WB Bruckner Blvd (Retain Existing
Intersection Sight Distance	8 ft from the stop bar on all approaches HDM 5.9.5, Exhibit 5-30	Varies	10 ft from stop bar to pedestrian crossing
Intersection Sight Distance	Left turns from the major roadway HDM 5.9.5, Exhibit 5-30	Varies	All left turns on Bruckner Boulevard are protected and signalized
Intersection turning radii	Greater of 30 ft minimum or design vehicle path NYSDOT HDM 5.9.3.7	Varies	30 ft min. or design vehicle path
Merge (and lane drop) taper length	S ≤ 40mph $L = WS^2/60$ MUTCD Table 6H-4	Varies	$L = WS^2/60$
Approach and departure taper	Departure = L Approach = ½ L NYSDOT HDM 5.9.8.2.E	Varies	Departure = L Approach = ½ L

Bay Taper Length	Desirable = 50 ft - 100 ft Maximum = 1/2 L NYSDOT HDM 5.9.8.2.E	Varies	50 ft – ½ L
Bay (Queue) Storage Length	Based on result of Capacity Analysis NYSDOT HDM 5.9.8.2.F	Varies	Varies, Based on result of Capacity Analysis
Speed change lane length for at-grade intersections	45 ft min NYSDOT HDM 5.9.8.3 and AASHTO Ch 3	Varies	45 ft min
Pedestrian accommodations	NYSDOT HDM Ch 18	Non-ADA compliant	ADA Compliant
Pedestrian crossing speed	3 ft/s NYSDOT HDM 18.7.1.2	Varies	3 ft/s (typ.)
Pedestrian refuge island width	6 ft NYSDOT HDM 5.9.4.4	5 ft min.	6 ft min.
Pedestrian delay at intersections	> 30 seconds NYSDOT HDM 5.9.2.2	Varies	> 30 seconds
On-street parking	Parallel Parking NYSDOT HDM 5.7.16.1	Parallel parking	Parallel parking
Traffic calming	NYSDOT HDM Ch 25	Pedestrian refuge island	Pedestrian refuge island, Curb bulb-out
Lateral offset (minimum)	1.5 ft from face of curb (3 ft at intersection and driveway) AASHTO 2011 RDG Ch 3	Varies	1.5 ft from face of curb (3 ft at intersection and driveway)
Clear zone width	1.5 ft min. HDM 10.2 and 10.3	Varies	1.5 ft min.
Bike Lane Width	5 ft min. NYSDOT HDM 17.4.7	5 ft min.	5 ft min.
Bike Path Width	10 ft min. NYSDOT HDM 17.4.9	N/A	10 ft min.
Setback (snow storage)	4 ft Min. NYSDOT HDM 3.2.11.1	0 ft*	0 ft*
Curb at pedestrian refuge	S < 40 mph – 6 in vertical (non-mountable) NYSDOT HDM 5.9.4.4	Varies	7 in vertical
Pavement Thickness	NYSDOT HDM 3.2.4.2	Varies	4 in Asphalt Pavement 9 in PCC 12 in Subbase
Rollover	4% max. between travel lanes, 8% max. between travel lane and shoulder NYSDOT HDM 3.2.5.1 and 7.5.2.1.L	4% max. between travel lanes, 8% max. between travel lane and shoulder	4% max. between travel lanes, 8% max. between travel lane and shoulder
Curb use restrictions	No vertical-faced curbs on roads > 50 MPH; see HDM 10.2.2.4 A, B & C for complete restrictions	No curb used in conjunction with barriers	No curb used in conjunction with barriers
Curb offset	1 ft min. NYSDOT HDM 3.2.9.4.A	Varies, 0 ft min.	Varies, 0 ft min. (match existing)

1. Due to anticipated large volumes of heavy vehicles,
   The WB-67 vehicle was evaluated using Auto-Turn at the following intersections and found to negotiate the turn with no operational problems:
   - Right turn from EB Bruckner Blvd to Hunts Point Ave
   - Right turn from Hunts Point Ave to EB Bruckner Blvd
   - Left turn from Hunts Point Ave to EB Bruckner Blvd
   - Right turn from WB Bruckner Blvd to Hunts Point Ave
   - Right turn from Hunts Point Ave to WB Bruckner Blvd

   Refer to Auto-Turn drawings.

2. Realignment of existing intersecting roadways is not feasible due to impacts to utilities, sidewalk, and bicycle path.



STAGING AREA 2

UNDER SHERIDAN VIADUCT
AREA: 31,000 SQ FT

NOTE:

1. PROPOSED STAGING AREA 2 WILL BE AVAILABLE AFTER JANUARY 1, 2023.

LEGEND:

43 - NEW BENT NUMBER
2-1 - OLD BENT NUMBER
- STAGING AREA

25 0 25 50 75 100'
1"=50'

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT CONTRACT 3 FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD. COUNTY: BRONX REGION: 11	PIN X731.65	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED STAGING AREA PLANS AREA 2	CONTRACT NUMBER D900055 DRAWING NO. STG-02 SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/WZTC/X73165_CPH_STG-102-AECOM.dgn [
DATE/TIME = Monday, July 18, 2022 02:10:15 PM
USER = Lawrence.Tse

ITEM 611.19060024 – POST PLANTING CARE WITH REPLACEMENT-VINES, GROUNDCOVERS
ITEM 611.19070024 – POST PLANTING CARE WITH REPLACEMENT-HERBACEOUS PLANTS
ITEM 613.70XX0011 – BIRD REPELLANT SYSTEM
ITEM 615.0101NN10 - LITTER (TRASH) RECEPTACLE
ITEM 615.33XX0011 - TEMPORARY WOODEN TREE GUARD – NYCDPR
ITEM 615.43000011 - GROUND SURFACE PROTECTION MATS
ITEM 619.10040020- PORTABLE WORK ZONE CAMERA
ITEM 619.22970011 – TRAFFIC ENFORCEMENT AGENTS
ITEM 634.20010111 – PRIMARY PROTECTIVE SHIELDS
ITEM 634.20010211 – SECONDARY PROTECTIVE SHIELDS
ITEM 634.900X0011 – RODENT AND VERMIN CONTROL
ITEM 634.99010017 – BUILDING CONDITION SURVEY
ITEM 634.99020017 – VIBRATION MONITORING (NONBLASTING)
ITEM 635.01030011 – CLEANING AND PREPARATION OF PAVEMENT FOR PAVEMENT MARKING – STRIPES
ITEM 637.31XX0020 – INSPECTION VEHICLE (MAXIMUM BID)
ITEM 637.4000NN20 – WEBCAM SYSTEM
ITEM 651.03040039 – FIRE ALARM CABLE (NEW YORK CITY) 04 PAIR
ITEM 651.06010011-FIRE DEPARTMENT MANHOLE (NEW YORK CITY) - TYPE A
ITEM 651.10010011 – INSTALL FIRE ALARM FOUNDATION AND POST (NEW YORK CITY)
ITEM 651.11000011 - REMOVE AND DISPOSE OF FIRE ALARM AND POLICE CALL BOXES
ITEM 655.00XX0011 – CAST FRAME AND GRATES AND MANHOLE COVERS
~~**ITEM 680.17006011 – 60 FOOT CAMERA POLE**~~
ITEM 680.51960011- FURNISH AND INSTALL CONCRETE FIBER OPTIC PULL BOX
ITEM 680.53000111-S.S. NEMA-4X STRUCTURE MOUNTED PULL BOX (16”X12”X8”)
ITEM 680.81500010 – PEDESTRIAN COUNT-DOWN TIMER MODULE
ITEM 680.95020615 – SERVICE CABLE 2 CONDUCTOR, NO. 06 AWG
ITEM 680.95533211 – METER CABINET
ITEM 680.95663211 – RANGING RADAR DETECTOR ASSEMBLY
ITEM 680.96026011 – FIBER OPTIC CABLE, SINGLE MODE – 60 FIBERS
ITEM 680.96494811 – FIBER OPTIC TERMINATION CABLE 12 FIBER (IN CONDUIT)
ITEM 680.99120011 - – FIBER OPTIC INNERDUCT, 1 CHANNEL
~~**ITEM 683.09150011 – TRANSMIT TAG READER**~~
~~**ITEM 683.09150111 – TRANSMIT ANTENNA**~~
ITEM 683.09230511 – FIELD HARDENED ETHERNET SWITCH TYPE II
ITEM 683.10110008 – HD IP CAMERA ASSEMBLY – BARREL TYPE
ITEM 683.17006011 – 60 FOOT CAMERA POLE
ITEM 683.92211208 – FIBER OPTIC CABLE – 12 FIBERS
ITEM 800.01000015 – DESIGN BUILD – DESIGN SERVICES
ITEM 800.02000015 – DESIGN BUILD – CONSTRUCTION INSPECTION SERVICES
ITEM 800.03000015 – DESIGN BUILD – QUALITY CONTROL SERVICES
ITEM 800.0400NN15 – DESIGN BUILD – EXTRA WORK
ITEM 800.04200015 – DESIGN BUILD – RAILROAD NO SHOW FORCE ACCOUNT WORK
ITEM 800.05000015 – DESIGN BUILD – SITE MOBILIZATION
ITEM 800.0600NN15 – DESIGN BUILD – CONSTRUCTION WORK
ITEM 800.06XXNN15 – DESIGN BUILD – CONSTRUCTION WORK – STRUCTURAL REPAIRS
ITEM 800.1000NN15 – DESIGN BUILD – UTILITY RELATED WORK
ITEM 800.16000115 – DESIGN BUILD – STEEL/IRON PRICE ADJUSTMENT

ITEM 683.17002211 – 22 FOOT CABINET POLE
ITEM 683.17003011 – 30 FOOT CAMERA POLE
ITEM 683.17004011 – 40 FOOT CAMERA POLE
ITEM 683.17006011 – 60 FOOT CAMERA POLE

DESCRIPTION

Under these items, the contractor shall furnish and install Poles at the locations specified on the plans and in accordance with these specifications or as directed by the Engineer.

MATERIALS

The materials and fabrication of the Pole shall meet the requirements of Subsection 724-03 Traffic Signal Poles of the New York State Standard Specifications except as noted.

The poles shall be fabricated in lengths and shall have design load as specified on the plans.

The anchor bolt cover shall be a two piece steel cover which encompasses the entire pole base and all anchor bolts and nuts. The anchor bolt cover shall be braced to prevent deformation from impact. It shall be secured to the pole base plate with a minimum of eight ¼ inch stainless steel bolts. The base plate shall be tapped to accept the ¼ inch bolts.

All couplings for electrical connections and the mounting plates for the controller cabinets shall be shop installed by welding. When specified on the plans, the bolt holes for a span wire through bolt shall be shop drilled. The Contractor is responsible for the proper alignment of the fittings and bolt holes with the anchor bolts installed in the foundation such that when the pole is mounted on the foundation, the couplings, control cabinet, and span through bolt are aligned in accordance with the plans and standard sheets.

The pole shaft, base plate, anchor bolt covers, pole cap, hand holes, hand hole covers, weatherheads, service bracket, conduits, and cabinet mounting brackets shall be Hot-Dip galvanized coated per ASTM A123 after fabrication.

A galvanized ¼ inch diameter cable support hook shall be furnished and installed as shown on the plans.

The mounting brackets for the CCTV camera pan/tilt drive and weatherproof enclosure shall be furnished and installed under other items (Applies to Camera Poles only).

CONSTRUCTION DETAILS

The Construction Details shall meet the requirements of sections 680-3.01, Equipment Lists and Drawings through 680-3.12, Grounding, of the Standard Specifications except as noted.

The poles and fittings shall be protected from damage in shipping to the field locations and during installation. The poles shall be wrapped with two layers of heavy paper.

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METHOD OF MEASUREMENT

This work will be measured by the number of Poles furnished and installed.

BASIS OF PAYMENT

The provisions of Section 680-5.01 shall apply. In addition the unit price bid for furnishing and installing Poles shall include the cost of all the items specified in Section 680-3.01 through 680-3.12 of the updated Standard Specifications (US Customary) and the necessary grounding system, anchor bolts, pole assembly, and erection. The cost of cabinets, camera assemblies with mounting equipment, and connecting cables will be paid for under other contract items.