CONSTRUCTION CONTRACT

New York City
Department of
Environmental Protection
59-17 Junction Boulevard
Flushing, New York 11373

Rohit Aggarwala
Commissioner

Joseph Vaicels
Assistant Commissioner
Agency Chief
Contracting Officer

Addendum No. 3
To The Invitation for Bids

for Furnishing all Labor and Material Necessary and Required for:

Contract(s): **KENS-EAST-2**

Description: **KENSICO SITE PREPARATION**

August, 2023

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION

TO ALL BIDDERS FOR FURNISHING ALL LABOR AND MATERIAL NECESSARY AND REQUIRED FOR:

Contract KENS-EAST-2

Kensico-Eastview Connection
Kensico Site Preparation

This Addendum No. 3 is issued for the purpose of amending the requirements of the Contract Documents and is hereby made a part of said Contract Documents as though it were originally included therein. The pages of this Addendum are numbered sequentially. All Bidders should check this book carefully to verify that all the pages are included.

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Construction Contract Invitation to Bid.....1

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ADDENDUM NO. 3
CONTRACT KENS-EAST-2

<u>NOTE</u>:

This Signature Page must be signed, dated, detached from the book and submitted by the bidder with his/her bid.

Rohit Aggarwala
Commissioner

I acknowledge receipt of Addendum No. 3 for: Contract KENS-EAST-2 – Kensico-Eastview Connection Kensico Site Preparation.

NAME OF BIDDER:

Signature: _____

Signed by: _____

Date: _____

ADDENDUM NO. 3

CONTRACT KENS-EAST-2

Kensico-Eastview Connection
Kensico Site Preparation

CONSTRUCTION CONTRACT INVITATION FOR BID

N/A

CONTRACT DRAWINGS (see Attachment 1)

1. Drawing KEC2-G-002.02. Removed existing and replaced with new drawing KEC2-G-002.03
2. Drawing KEC2-G-003.01. Removed existing and replaced with new drawing KEC2-G-003.02
3. Drawing KEC2-G-004.02. Removed existing and replaced with new drawing KEC2-G-004.03
4. Drawing KSPP-C-001.01. Removed existing and replaced with new drawing KSPP-C-001.02
5. Drawing KSPP-C-113.00. Removed existing and replaced with new drawing KSPP-C-113.01
6. Drawing KSPP-C-115.00. Removed existing and replaced with new drawing KSPP-C-115.01
7. Drawing KSPP-C-116.01. Removed existing and replaced with new drawing KSPP-C-116.02
8. Drawing KSPP-C-137.00. Removed existing and replaced with new drawing KSPP-C-137.01
9. Drawing KSPP-C-140.02. Removed existing and replaced with new drawing KSPP-C-140.03
10. Drawing KSPP-C-157.00. Removed existing and replaced with new drawing KSPP-C-157.01
11. Drawing KSPP-C-159.00. Removed existing and replaced with new drawing KSPP-C-159.01
12. Drawing KSPP-C-180.02. Removed existing and replaced with new drawing KSPP-C-180.03
13. Drawing KSPP-C-182.02. Removed existing and replaced with new drawing KSPP-C-182.03
14. Drawing KSPP-C-185.01. Removed existing and replaced with new drawing KSPP-C-185.02
15. Drawing KSPP-C-186.02. Removed existing and replaced with new drawing KSPP-C-186.03
16. Drawing KSPP-C-187.00. Removed existing and replaced with new drawing KSPP-C-187.01

17. Drawing KSPP-C-189.00. Removed existing and replaced with new drawing KSPP-C-189.01
18. Drawing KSPP-C-200.02. Removed existing and replaced with new drawing KSPP-C-200.03
19. Drawing KSPP-C-205.01. Removed existing and replaced with new drawing KSPP-C-205.02
20. Drawing KSPP-C-206.01. Removed existing and replaced with new drawing KSPP-C-206.02
21. Drawing KSPP-C-211.02. Removed existing and replaced with new drawing KSPP-C-211.03
22. Drawing KSPP-C-212.01. Removed existing and replaced with new drawing KSPP-C-212.02
23. Drawing KSPP-C-215.01. Removed existing and replaced with new drawing KSPP-C-215.02
24. Drawing KSPP-C-216.02. Removed existing and replaced with new drawing KSPP-C-216.03
25. Drawing KSPP-C-233.02. Removed existing and replaced with new drawing KSPP-C-233.03
26. Drawing KSPP-C-300.02. Removed existing and replaced with new drawing KSPP-C-300.03
27. Drawing KSPP-C-303.01. Removed existing and replaced with new drawing KSPP-C-303.02
28. Drawing KSPP-C-304.01. Removed existing and replaced with new drawing KSPP-C-304.02
29. Drawing KSPP-C-305.00. Removed existing and replaced with new drawing KSPP-C-305.01
30. Drawing KSPP-C-308.00. Removed existing and replaced with new drawing KSPP-C-308.01
31. Drawing KSPP-C-320.01. Removed existing and replaced with new drawing KSPP-C-320.02
32. Drawing KSPP-C-326.00. Removed existing and replaced with new drawing KSPP-C-326.01
33. Drawing KSPP-C-472.00. Removed existing and replaced with new drawing KSPP-C-472.01
34. Drawing KSPP-C-704.01. Removed existing and replaced with new drawing KSPP-C-704.02
35. Drawing KSPP-C-705.00. Removed existing and replaced with new drawing KSPP-C-705.01
36. Drawing KSPP-C-711.00. Removed existing and replaced with new drawing KSPP-C-711.01
37. Drawing KSPP-C-740.01. Removed existing and replaced with new drawing KSPP-C-740.02
38. Drawing KSPP-C-762.00. Removed existing and replaced with new drawing KSPP-C-762.01
39. Drawing KSEB-A-601.01. Removed existing and replaced with new drawing KSEB-A-601.02
40. Drawing KSEB-S-203.00. Removed existing and replaced with new drawing KSEB-S-203.01
41. Drawing KSEB-S-206.00. Removed existing and replaced with new drawing KSEB-S-206.01

42. Drawing KSEB-S-211.00. Removed existing and replaced with new drawing KSEB-S-211.01
43. Drawing KSEB-S-213.00. Removed existing and replaced with new drawing KSEB-S-213.01
44. Drawing KSEB-S-217.00. Removed existing and replaced with new drawing KSEB-S-217.01
45. Drawing KSEB-S-219.00. Removed existing and replaced with new drawing KSEB-S-219.01
46. Drawing KSEB-H-905.00. Removed existing and replaced with new drawing KSEB-H-905.01
47. Drawing KSEB-H-906.00. Removed existing and replaced with new drawing KSEB-H-906.01
48. Drawing KSEB-H-907.00. Removed existing and replaced with new drawing KSEB-H-907.01
49. Drawing KSEB-H-908.00. Removed existing and replaced with new drawing KSEB-H-908.01
50. Drawing KSEB-E-100.01. Removed existing and replace with new drawing KSEB-E-100.02
51. Drawing KSEB-E-103.01. Removed existing and replace with new drawing KSEB-E-103.02
52. Drawing KSEB-E-104.00. Removed existing and replace with new drawing KSEB-E-104.01
53. Drawing KSEB-E-106.00. Removed existing and replace with new drawing KSEB-E-106.01
54. Drawing KSEB-E-107.00. Removed existing and replace with new drawing KSEB-E-107.01
55. Drawing KSEB-E-402.00. Removed existing and replace with new drawing KSEB-E-402.01
56. Drawing KSEB-E-420.00. Removed existing and replace with new drawing KSEB-E-420.01
57. Drawing KSEB-E-700.00. Removed existing and replace with new drawing KSEB-E-700.01
58. Drawing KSEB-E-701.00. Removed existing and replace with new drawing KSEB-E-701.01
59. Drawing KSEB-E-912.00. Removed existing and replace with new drawing KSEB-E-912.01

CONTRACT TERMS AND SPECIFICATIONS, VOLUME 1 OF 2

1. Section 01 52 40 FIELD OFFICE EQUIPMENTS AND SUPPLIES (pages 679 to 684) shall be replaced with Attachment 2 – "Addendum #3 – Section 01 52 40 – Field Office Equipment and Supplies"
2. After page 1466 insert Attachment 3 – "Addendum #3 – Section 07 27 00 – Air Barriers".

ADDENDUM NO. 3
CONTRACT KENS-EAST-2

3. On page 896 Section 24 41 10 DEMOLITION AND REMOVALS – 3.02 IMPLEMENTATION I. add the text *"electrical manhole"* after "*manhole,"*. On paragraph #1 add the text "*electrical manholes*" after "*manholes,*". On paragraph #2 replace the text *"basins and inlets"* with *"structures"*.

4. On Page 1443 Section 07 21 00 THERMAL INSULATION – 2.02 MATERIALS AND EQUIPMENT, paragraph B, 4, **replace** *"24-inches by 96 inches by 2-inches thick and 16-inches by 96-inches by 2-inches thick."*, **with** *"Square feet per manufacture, thickness shall be 5" max per Contract Drawings, install either in 2" or 1" increments that add up to 5" total or a 5" thick sheet."*

5. On Page 1617 section 07 72 46 ROOF WALKWAYS – 2.01 MANUFACTURES,

    a. paragraph A, 1, **replace** *"shall be fabricated using CMT-20 cold rolled high strength steel tubing with a three step exterior coating process consisting of Hot-Dipped Uniform Zinc Galvanizing, a Conversion coating and a clear Polymer topcoat. Interiors walls to have corrosion resistant coating."* **with** *"shall be 306 or 316 Stainless steel, per manufacture requirements. With all fittings and fastenings per manufacturer."*

6. On Page 1618 section 07 72 46 ROOF WALKWAYS – 2.01 MANUFACTURES,

    a. Paragraph B, 1, **replace** *"*high tensile Aluminum Magnesium Alloy.*"* **with** *"*as per manufacture requirements, in materials.*"*

    b. Paragraph C, 1, **replace** *"is mill finish G90 galvanized steel in 14 Gauge thickness."* **with** *"shall be 306 or 316 Stainless steel, per manufacture requirements."*

    c. Paragraph C, 2, **add in**, "*c. Marco, 9140 Tavenor Ln. Houston Texas 77075, 713-489-5416",* and **c. move down to d.** *"Or approved equal."*

    d. Paragraph D,

        i. **Add in as**, *"1. All Components and Accessories if not stainless steel shall have a dissimilar metal (neoprene) isolator installed provided by manufacturer."*

        ii. **1 move down to 2**, **replace** *"14 gauge Galvanized Steel, pre-punched to accept Square Base Flange for Vertical Post."* **With** *"306 or 316 Stainless Steel, gauge as recommended by manufacture."*

        iii. **2 move down to 3, replace** *"18 & 14 gauge Galvanized Steel."* **With** *"306 or 316 Stainless Steel, gauge as recommended by manufacture."*

        iv. **3 move down to 4**

        v. **4 move down to 5**

ADDENDUM NO. 3
CONTRACT KENS-EAST-2

CONTRACT TERMS AND SPECIFICATIONS, VOLUME 2 OF 2

1. On page 3325 to 3342 delete Section 32 14 02 – Permeable Pavers.

ADDENDUM NO. 3
CONTRACT KENS-EAST-2

BID ROOM REFERENCE DOCUMENTS

Additional bid room reference documents are technical documents and/or reports that may be used as reference and is provided as needed to bidders.

The below files will be posted to the OneDrive link provided after NDA approval:

1. *Fluoride Building DWGs*
2. *Kensico Laboratory – CAT 423 Hazmat Survey Report, Parts 1,2, and 3*

Link: https://nycep-my.sharepoint.com/:f:/g/personal/accotest_dep_nyc_gov/Eg8svhIFY3xHhJopc31M91cBeZj1auOQFLsT8wSqoYDytw

ADDENDUM NO. 3
CONTRACT KENS-EAST-2

LIST OF ATTACHMENTS

1. Attachment 1: Addendum #3 Revised Drawings
2. Attachment 2: Addendum #3 – Section 01 52 40 – Field Office Equipment and Supplies
3. Attachment 3: Addendum #3 – Section 07 27 00 - Air Barriers
4. Attachment 4: Addendum #1 – Exhibit C – Kensico Bailout Requirements
5. Attachment 5: Valhalla High School Tree Survey

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NO TEXT ON THIS PAGE

Attachment 1: Addendum #3 Revised Drawings

DRAWING No.	SHEET TITLE
	GENERAL
KEC2-G-001.00	COVER SHEET
3 KEC2-G-002.03	DRAWING INDEX
KEC2-G-003.02	DRAWING INDEX
KEC2-G-004.03	DRAWING INDEX
	GENERAL STRUCTURAL
KEC2-GS-001.01	STRUCTURAL GENERAL STRUCTURAL NOTES, CODES, AND STANDARDS
KEC2-GS-002.00	STRUCTURAL GENERAL CONCRETE, GROUT, AND ANCHORING NOTES
KEC2-GS-003.00	STRUCTURAL GENERAL ABBREVIATIONS AND SYMBOLS
KEC2-GS-004.00	STRUCTURAL GENERAL CONCRETE NOTES, TABLES, AND DETAILS
KEC2-GS-005.00	STRUCTURAL GENERAL TYPICAL GENERAL CONCRETE DETAILS
	CIVIL
3 KSPP-C-001.02	GENERAL NOTES
KSPP-C-002.01	LEGEND AND ABBREVIATIONS
KSPP-C-003.00	UTILITY NOTES
KSPP-C-100.00	EXISTING SITE OVERALL PLAN
KSPP-C-101.00	EXISTING SITE & BORING LOCATION PLAN 1
KSPP-C-102.00	EXISTING SITE & BORING LOCATION PLAN 2
KSPP-C-103.00	EXISTING SITE & BORING LOCATION PLAN 3
KSPP-C-104.00	EXISTING SITE & BORING LOCATION PLAN 4
KSPP-C-105.00	EXISTING SITE & BORING LOCATION PLAN 5
KSPP-C-106.00	EXISTING SITE & BORING LOCATION PLAN 6
KSPP-C-107.00	EXISTING SITE & BORING LOCATION PLAN 7
KSPP-C-108.00	EXISTING SITE & BORING LOCATION AERATOR ROAD PLAN 1
KSPP-C-109.00	EXISTING SITE & BORING LOCATION AERATOR ROAD PLAN 2
KSPP-C-110.00	SITE DEMOLITION OVERALL PLAN
KSPP-C-111.00	SITE DEMOLITION PLAN 1
KSPP-C-112.01	SITE DEMOLITION PLAN 2
3 KSPP-C-113.01	SITE DEMOLITION PLAN 3
KSPP-C-114.00	SITE DEMOLITION PLAN 4
KSPP-C-115.01	SITE DEMOLITION PLAN 5
3 KSPP-C-116.02	SITE DEMOLITION PLAN 6
KSPP-C-117.01	SITE DEMOLITION PLAN 7
KSPP-C-118.00	SITE DEMOLITION - VAD REMOVAL PLAN 1
KSPP-C-119.01	SITE DEMOLITION - VAD REMOVAL PLAN 2
KSPP-C-120.01	TREE CLEARING SCHEDULE PARTIAL PLAN 1
KSPP-C-121.00	TREE CLEARING SCHEDULE SHEET 2
KSPP-C-122.00	TREE CLEARING SCHEDULE SHEET 3
KSPP-C-123.00	TREE CLEARING SCHEDULE SHEET 4
KSPP-C-124.00	TREE CLEARING SCHEDULE PARTIAL PLAN 5
KSPP-C-125.00	TREE CLEARING TABLE SHEET 1
KSPP-C-126.00	TREE CLEARING TABLE SHEET 2
KSPP-C-127.00	TREE CLEARING TABLE SHEET 3
KSPP-C-128.00	TREE CLEARING TABLE SHEET 4
KSPP-C-129.00	TREE CLEARING TABLE SHEET 5
KSPP-C-130.00	TREE CLEARING TABLE SHEET 6
KSPP-C-131.00	TREE CLEARING TABLE SHEET 7
KSPP-C-132.00	TREE CLEARING TABLE SHEET 8
KSPP-C-133.00	TREE CLEARING TABLE SHEET 9
KSPP-C-134.00	TREE CLEARING TABLE SHEET 10
KSPP-C-135.00	TREE CLEARING TABLE SHEET 11
KSPP-C-136.00	TREE CLEARING TABLE SHEET 12
3 KSPP-C-137.01	TREE CLEARING TABLE SHEET 13
KSPP-C-138.00	TREE CLEARING TABLE SHEET 14
KSPP-C-139.00	TREE CLEARING TABLE SHEET 15
3 KSPP-C-140.03	CONSTRUCTION STAGING PLAN 1
KSPP-C-141.02	CONSTRUCTION STAGING PLAN 2
KSPP-C-142.01	CONSTRUCTION STAGING PLAN - SHAFT 1C STAGING AREA
KSPP-C-150.00	SOIL EROSION & SEDIMENT CONTROL PLAN
KSPP-C-151.02	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 1
KSPP-C-152.02	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 2
KSPP-C-153.02	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 3 SHEET 1
KSPP-C-154.01	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 3 SHEET 2

DRAWING No.	SHEET TITLE
KSPP-C-155.02	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 4
KSPP-C-156.00	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 5
3 KSPP-C-157.01	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 6
KSPP-C-158.00	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 7
3 KSPP-C-159.01	SOIL EROSION & SEDIMENT CONTROL PLAN PHASE 8
KSPP-C-180.02	NEW SITE OVERALL PLAN
KSPP-C-181.01	NEW SITE PLAN 1
3 KSPP-C-182.03	NEW SITE PLAN 2
KSPP-C-183.01	NEW SITE PLAN 3
KSPP-C-184.00	NEW SITE PLAN 4
KSPP-C-185.01	NEW SITE PLAN 5
KSPP-C-186.01	NEW SITE PLAN 6
3 KSPP-C-187.01	NEW SITE PARTIAL PLAN 7
KSPP-C-188.00	NEW SITE OPERATIONS ENTRANCE PLAN
3 KSPP-C-189.01	NEW SITE ELECTRICAL BUILDING PLAN
KSPP-C-200.02	GRADING OVERALL PLAN
KSPP-C-201.01	GRADING PLAN SHEET 1
KSPP-C-202.02	GRADING SHEET 2
KSPP-C-203.00	GRADING PARTIAL PLAN 3
KSPP-C-204.00	GRADING PARTIAL PLAN 4
KSPP-C-205.01	GRADING PARTIAL PLAN 5
KSPP-C-206.01	GRADING PARTIAL PLAN 6
KSPP-C-207.00	GRADING PARTIAL PLAN 7
KSPP-C-208.00	GRADING OPERATIONS ENTRANCE PLAN
KSPP-C-209.00	GRADING ELECTRICAL BUILDING PLAN
KSPP-C-210.01	DRAINAGE OVERALL PLAN
KSPP-C-211.03	DRAINAGE PLAN 1
3 KSPP-C-212.02	DRAINAGE PLAN 2
KSPP-C-213.01	DRAINAGE PLAN 3
KSPP-C-214.00	DRAINAGE PLAN 4
KSPP-C-215.01	DRAINAGE PLAN 5
KSPP-C-216.02	DRAINAGE PLAN 6
KSPP-C-217.00	DRAINAGE PLAN 7
KSPP-C-218.00	DRAINAGE ELECTRICAL BUILDING PLAN
KSPP-C-219.01	DRAINAGE - MANHOLE CONNECTION DETAIL
KSPP-C-220.01	DRAINAGE PROFILE SHEET 1
KSPP-C-221.01	DRAINAGE PROFILE SHEET 2
KSPP-C-222.00	DRAINAGE PLAN AND PROFILE 4
KSPP-C-223.00	DRAINAGE PLAN AND PROFILE 5
KSPP-C-224.01	DRAINAGE PLAN AND PROFILE 6
KSPP-C-225.01	PARKING LOT GRADING AND DRAINAGE
KSPP-C-230.00	DRAINAGE SWALE PROFILES SHEET 1
KSPP-C-231.00	DRAINAGE SWALE PROFILES SHEET 2
KSPP-C-232.01	DRAINAGE SWALE PROFILES SHEET 3
KSPP-C-233.02	DRAINAGE SWALE PROFILES SHEET 4
KSPP-C-234.00	DRAINAGE SWALE PROFILES SHEET 5
KSPP-C-235.01	DRAINAGE SWALE PROFILES SHEET 6
KSPP-C-236.01	DRAINAGE SWALE PROFILES SHEET 7
KSPP-C-240.00	D109 TOWER RETAINING WALL PLAN
KSPP-C-241.00	D109 TOWER RETAINING WALL ELEVATION
KSPP-C-242.00	D109 TOWER RETAINING WALL SECTION
KSPP-C-243.00	D110 TOWER RETAINING WALL PLAN
KSPP-C-244.00	D110 TOWER RETAINING WALL ELEVATION
KSPP-C-245.00	D110 TOWER RETAINING WALL SECTION
KSPP-C-300.02	SITE UTILITY OVERALL PLAN
KSPP-C-301.00	SITE UTILITY PLAN 1
KSPP-C-302.00	SITE UTILITY PLAN 2
KSPP-C-303.01	SITE UTILITY PLAN 3
3 KSPP-C-304.02	SITE UTILITY PLAN 4
KSPP-C-305.00	SITE UTILITY PLAN 5
KSPP-C-308.00	OPERATIONS ENTRANCE PLAN
KSPP-C-309.00	ELECTRICAL BUILDING UTILITY PLAN
KSPP-C-311.00	LAKEVIEW AVENUE ENTRANCE UTILITY RELOCATION PLAN

DRAWING No.	SHEET TITLE
KSPP-C-320.01	UTILITY TRENCH PLAN AND PROFILE 1
KSPP-C-321.01	UTILITY TRENCH PLAN AND PROFILE 2
KSPP-C-322.00	UTILITY TRENCH PLAN AND PROFILE 3
KSPP-C-323.00	CATSKILL SANITARY LINE - PLAN AND PROFILE
KSPP-C-324.01	NEW CATSKILL WATER - PLAN AND PROFILE
KSPP-C-325.00	EXISTING COLUMBUS AVE CULVERT - PLAN AND PROFILE
3 KSPP-C-326.01	CHLORINE MANHOLE RELOCATION
KSPP-C-400.01	RELOCATED WESTLAKE DRIVE ROADWAY PLAN SHEET 1
KSPP-C-401.01	RELOCATED WESTLAKE DRIVE ROADWAY PLAN SHEET 2
KSPP-C-402.01	ROADWAY BASELINE DATA TABLES
KSPP-C-403.00	RELOCATED WESTLAKE DRIVE PROFILE SHEET 1
KSPP-C-404.00	RELOCATED WESTLAKE DRIVE PROFILE SHEET 2
KSPP-C-405.00	PROFILES OF AERATOR ROAD AND ACCESS RAMPS
KSPP-C-430.00	OPERATIONS ENTRANCE PLAN AND PROFILE
KSPP-C-431.00	SOUTH SCREEN CHAMBER ROAD PLAN AND PROFILE
KSPP-C-432.00	SCREEN CHAMBER ACCESS ROAD PLAN AND PROFILE
KSPP-C-433.00	NORTH SCREEN CHAMBER ROAD PLAN AND PROFILE
KSPP-C-450.00	CURB, SIDEWALK, AND RAMP DETAILS
KSPP-C-460.01	INTERSECTION PLANS, CURB TIES SHEET 1
KSPP-C-461.00	INTERSECTION PLANS, CURB TIES SHEET 2
KSPP-C-470.00	MAINTENANCE & PROTECTION OF TRAFFIC NOTES
KSPP-C-471.00	PHASE 1 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 1
3 KSPP-C-472.01	PHASE 1 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 2
KSPP-C-473.01	PHASE 1 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 3
KSPP-C-474.01	PHASE 1 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 4
KSPP-C-475.01	PHASE 2 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 1
KSPP-C-476.01	PHASE 2 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 2
KSPP-C-477.00	MPT PLAN FOR PIPE REPLACEMENT
KSPP-C-480.01	SIGNING AND STRIPING PLAN SHEET 1
KSPP-C-481.00	SIGNING AND STRIPING PLAN SHEET 2
KSPP-C-482.02	SIGNING AND STRIPING PLAN SHEET 3
KSPP-C-485.01	SIGNING AND STRIPING PLAN SHEET 4
KSPP-C-486.01	SIGNING AND STRIPING PLAN SHEET 5
KSPP-C-531.00	HORIZONTAL CONTROLS PLAN 1
KSPP-C-532.00	HORIZONTAL CONTROLS PLAN 2
KSPP-C-533.01	HORIZONTAL CONTROLS PLAN 3
KSPP-C-534.01	HORIZONTAL CONTROLS PLAN 4
KSPP-C-535.00	HORIZONTAL CONTROLS PLAN 5
KSPP-C-538.00	HORIZONTAL CONTROLS - OPERATION'S ENTRANCE PLAN
KSPP-C-539.00	HORIZONTAL CONTROLS - ELECTRICAL BUILDING PLAN
KSPP-C-540.00	HORIZONTAL CONTROLS - RWLD POND PLAN
KSPP-C-541.00	HORIZONTAL CONTROLS - CATSKILL POND PLAN
KSPP-C-542.00	HORIZONTAL CONTROLS - DELAWARE POND PLAN
KSPP-C-543.01	HORIZONTAL CONTROLS - TABLE
KSPP-C-600.01	CROSS SECTIONS SHEET 1
KSPP-C-601.00	EARTHWORK CROSS SECTION 1
KSPP-C-602.00	EARTHWORK CROSS SECTION 2
KSPP-C-603.00	EARTHWORK CROSS SECTION 3
KSPP-C-604.00	EARTHWORK CROSS SECTION 4
KSPP-C-605.00	EARTHWORK CROSS SECTION 5
KSPP-C-606.00	EARTHWORK CROSS SECTION 4
KSPP-C-607.00	ROADWAY CROSS SECTIONS SHEET 1
KSPP-C-608.00	ROADWAY CROSS SECTIONS SHEET 2
KSPP-C-609.00	SITE CROSS-SECTIONS
KSPP-C-702.01	SITE DETAILS 1
KSPP-C-703.01	SITE DETAILS 2
KSPP-C-704.02	SITE DETAILS 3
3 KSPP-C-705.01	SITE DETAILS 4
KSPP-C-706.00	SITE DETAILS 5
KSPP-C-707.00	SITE DETAILS 6
KSPP-C-708.00	SITE DETAILS 7
KSPP-C-709.00	SITE DETAILS 8
KSPP-C-710.00	EROSION & SEDIMENT CONTROL DETAILS 1

DRAWING No.	SHEET TITLE
KSPP-C-711.01	EROSION & SEDIMENT CONTROL DETAILS 2
KSPP-C-712.00	EROSION & SEDIMENT CONTROL DETAILS 3
KSPP-C-715.00	EROSION & SEDIMENT CONTROL DETAILS 4
KSPP-C-716.00	EROSION & SEDIMENT CONTROL DETAILS 5
KSPP-C-717.00	EROSION & SEDIMENT CONTROL DETAILS 6
KSPP-C-718.01	EROSION & SEDIMENT CONTROL DETAILS 7
KSPP-C-720.00	DRAINAGE DETAILS 1
KSPP-C-721.00	DRAINAGE DETAILS 2
KSPP-C-725.01	DRAINAGE DETAILS 3
KSPP-C-726.00	DRAINAGE DETAILS 4
KSPP-C-727.00	DRAINAGE DETAILS 5
KSPP-C-728.01	DRAINAGE DETAILS 6
KSPP-C-730.01	DRAINAGE RWLD POND - ENLARGED PLAN
KSPP-C-731.01	DRAINAGE RWLD POND - PROFILE AND DETAILS
KSPP-C-732.01	DRAINAGE CATSKILL POND - ENLARGED PLAN
KSPP-C-733.00	DRAINAGE CATSKILL POND - PROFILE AND DETAILS
KSPP-C-734.01	DRAINAGE DELAWARE POND - ENLARGED PLAN
KSPP-C-735.00	DRAINAGE DELAWARE POND - PROFILE AND DETAILS
KSPP-C-736.00	DRAINAGE POND DETAILS
3 KSPP-C-740.02	ROADWAY DETAILS SHEET 1
KSPP-C-741.00	ROADWAY DETAILS SHEET 2
KSPP-C-745.00	SIDEWALK PAVEMENT SHEET 1
KSPP-C-748.00	SIGN TEXT DATA DETAILS SHEET 1
KSPP-C-749.00	TEMPORARY TRAFFIC CONTROL SIGNS AND DETAILS
KSPP-C-750.00	TEMPORARY TRAFFIC CONTROL DETAILS
KSPP-C-760.00	UTILITY DETAILS SHEET 1
3 KSPP-C-762.01	UTILITY DETAILS SHEET 2
KSPP-C-763.00	UTILITY DETAILS SHEET 3
KSPP-C-764.00	DRAINAGE CULVERT - PLAN AND PROFILE 1
KSPP-C-765.00	DRAINAGE CULVERT - PLAN AND PROFILE 2
KSPP-C-766.00	DRAINAGE CULVERT - PLAN AND PROFILE 3
KSPP-C-770.00	CON ED TOWER RETAINING WALL REINFORCEMENT DETAIL
KSPP-C-780.00	DRAINAGE OUTLET STRUCTURAL NOTES 1
KSPP-C-781.00	DRAINAGE OUTLET STRUCTURAL NOTES 2
KSPP-C-782.00	DRAINAGE OUTLET TYPICAL CONCRETE REINFORCING NOTES
KSPP-C-783.00	DRAINAGE OUTLET TYPICAL DETAILS
KSPP-C-784.00	DRAINAGE OUTLET TYPICAL PLANS
KSPP-C-785.00	DRAINAGE OUTLET TYPICAL SECTIONS 1
KSPP-C-786.00	DRAINAGE OUTLET TYPICAL SECTIONS 2
KSPP-C-787.00	DRAINAGE OUTLET RWLD POND SECTIONS 1
KSPP-C-788.00	DRAINAGE OUTLET RWLD POND SECTIONS 2
KSPP-C-789.00	DRAINAGE OUTLET TYPICAL 3D VIEWS

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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3	08/2023	ADDENDUM 3	VL
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1	05/2023	ADDENDUM 1	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

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STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

DRAWING INDEX

DATE: AUGUST 2023
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KEC2-G-002.03

Last Saved By: Julian.safar Last Date Saved: 8/14/2023 8:14 PM Date & Time Plotted: 8/14/2023 8:56 PM
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Drawing File Name & Drive Location: (command "zoom" "E")

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

DRAWING No.	SHEET TITLE
	ARCHITECTURAL
KSEB-A-001.00	ABBREVIATIONS & SYMBOLS
KSEB-A-002.00	ZONING ANALYSIS
KSEB-A-003.00	NEW YORK STATE BUILDING CODE
KSEB-A-004.00	NEW YOR STATE ENERGY CODE
KSEB-A-005.00	GENERAL NOTES
KSEB-A-100.00	SITE PLAN
KSEB-A-101.00	FLOOR PLAN
KSEB-A-102.00	WINDOW PLAN
KSEB-A-103.00	ROOF PLAN
KSEB-A-104.00	ENLARGED PLANS
KSEB-A-200.00	ELEVATIONS 1
KSEB-A-201.00	ELEVATIONS 2
KSEB-A-202.00	EYEWASH ENCLOSURE ELEVATIONS
KSEB-A-300.00	SECTION 1
KSEB-A-301.00	SECTION 2
KSEB-A-400.00	WALL SECTIONS 1
KSEB-A-401.00	WALL SECTIONS 2
KSEB-A-402.00	WALL SECTIONS 3
KSEB-A-403.00	WALL SECTIONS 4
KSEB-A-404.00	WALL SECTIONS 5
KSEB-A-500.01	TYP. WALL (PLAN) DETAILS
KSEB-A-501.00	TYP. WALL (SECTION) DETAILS
KSEB-A-502.00	SLIDING DOOR DETAILS 1
KSEB-A-503.00	SLIDING DOOR DETAILS 2
KSEB-A-504.00	SLIDING DOOR MOTOR DETAILS
KSEB-A-505.00	WINDOW DETAILS
KSEB-A-506.00	DOOR DETAILS
KSEB-A-507.00	WINDOW/DOOR/LOUVER DETAILS
KSEB-A-508.00	ROOF DRAINAGE DETAILS 1
KSEB-A-509.00	ROOF DRAINAGE DETAILS 2
KSEB-A-510.00	PARAPET DETAILS 1
KSEB-A-511.00	PARAPET DETAILS 2
KSEB-A-512.00	BUILDING CORNER/CORNICE/COPING DETAILS
KSEB-A-513.00	ROOF & ROOF MOUNTING DETAILS
KSEB-A-514.00	ROOF PENETRATION AND MOUNTING DETAILS 1
KSEB-A-515.00	ROOF PENETRATION AND MOUNTING DETAILS 2
KSEB-A-516.00	ROOF PENETRATION AND MOUNTING DETAILS 3
KSEB-A-517.00	ROOF ACCESS DETAILS
KSEB-A-518.00	INTERIOR WALL DETAILS
KSEB-A-519.00	SPIRAL STAIR ENCLOSURE DETAILS
KSEB-A-520.00	GFRC MOUNTING DETAILS
KSEB-A-521.00	EYEWASH ENCLOSURE DETAILS 1
KSEB-A-522.00	EYEWASH ENCLOSURE DETAILS 2
KSEB-A-523.00	EYEWASH ENCLOSURE DETAILS 3
~~KSEB-A-600.01~~	~~DOOR SCHEDULE & DETAILS~~
3 KSEB-A-601.02	WINDOW, LOUVER, & FINSIH SCHEDULES
~~KSEB-A-602.00~~	~~SIGN SCHEDULE~~
	STRUCTURAL
KSEB-S-001.01	CODES, STANDARDS, AND GENERAL NOTES
KSEB-S-002.00	CONCRETE AND PRECAST GENERAL NOTES
KSEB-S-003.00	STEEL, ANCHORAGE, AND MASONRY NOTES
KSEB-S-004.00	ELEMENTS DESIGNED BY CONTRACTOR NOTES
KSEB-S-005.00	SPECIAL INSPECTION AND TEST REQUIREMENTS
KSEB-S-006.00	ABBREVIATIONS AND SYMBOLS
KSEB-S-010.00	LOADING CRITERIA
KSEB-S-011.00	SNOW AND WIND LOADING CRITERIA
KSEB-S-012.00	WIND COMPONENTS & CLADDING LOADS
KSEB-S-013.00	SPIRAL STAIR LOADING CRITERIA
KSEB-S-014.00	PRECAST PRESTRESSED BEAM LOADINGS 1 OF 3
KSEB-S-015.00	PRECAST PRESTRESSED BEAM LOADINGS 2 OF 3
KSEB-S-016.00	PRECAST PRESTRESSED BEAM LOADINGS 3 OF 3
KSEB-S-100.00	OVERALL FLOOR PLAN OF ELECTRICAL BUILDING
KSEB-S-101.00	OVERALL FLOOR PLAN OF ELECTRICAL PADS
KSEB-S-102.00	ENLARGED FOUNDATION PLAN
KSEB-S-103.00	ENLARGED ELECTRICAL BUILDING FLOOR

DRAWING No.	SHEET TITLE
KSEB-S-104.00	ENLARGED GENERATOR PAD STAIR PLAN
KSEB-S-105.00	EQUIPMENT PAD LAYOUT PLAN
KSEB-S-110.00	OVERALL ROOF PLAN OF ELECTRICAL BUILDING
KSEB-S-111.00	ENLARGED ROOF PLAN OF ELECTRICAL BUILDING
KSEB-S-112.00	ROOF TOPPING SLAB REINFORCEMENT LAYOUT
KSEB-S-113.00	ENLARGED ROOFING PENETRATION PLAN
KSEB-S-114.00	ENLARGED ROOF UNDERSLAB EMBEDMENT PLAN
KSEB-S-115.00	ROOF TOP STEEL DUNNAGE FRAMING PLAN
KSEB-S-116.00	ROOF TOP STEEL DUNNAGE ACCESS PLAN
KSEB-S-120.00	SPIRAL STAIR TOWER PLANS
KSEB-S-121.00	SPIRAL STAIR TOWER PLAN (CONTINUED)
KSEB-S-201.00	NORTH AND SOUTH WALL ELEVATION
~~KSEB-S-202.00~~	~~NORTH WALL FACADE ELEVATION~~
3 KSEB-S-203.01	NORTH WALL CONNECTION ELEVATION
~~KSEB-S-204.00~~	~~NORTH PARAPET -INNER FACE ELEVATION~~
~~KSEB-S-205.00~~	~~SOUTH WALL FACADE ELEVATION~~
3 KSEB-S-206.01	SOUTH WALL CONNECTION ELEVATION
~~KSEB-S-207.00~~	~~SOUTH PARAPET -INNER FACE ELEVATION~~
KSEB-S-208.00	INTERIOR WALL ELEVATION
KSEB-S-209.00	WEST WALL ELEVATION
~~KSEB-S-210.00~~	~~WEST WALL FACADE PARTIAL ELEVATION (NORTH)~~
3 KSEB-S-211.01	WEST WALL CONNECTION PARTIAL ELEVATION (NORTH)
~~KSEB-S-212.00~~	~~WEST WALL FACADE PARTIAL ELEVATION (SOUTH)~~
3 KSEB-S-213.01	WEST WALL CONNECTION PARTIAL ELEVATION (SOUTH)
~~KSEB-S-214.00~~	~~WEST PARAPET INNER FACE (LOOKING WEST)~~
KSEB-S-215.00	EAST WALL ELEVATION
~~KSEB-S-216.00~~	~~EAST WALL FACADE PARTIAL ELEVATION (SOUTH)~~
3 KSEB-S-217.01	EAST WALL EAST WALL CONNECTION PARTIAL ELEVATION
~~KSEB-S-218.00~~	~~EAST WALL FACADE PARTIAL ELEVATION (NORTH)~~
3 KSEB-S-219.01	EAST WALL CONNECTION PARTIAL ELEVATION (NORTH)
~~KSEB-S-220.00~~	~~EAST PARAPET INNER FACE (LOOKING EAST)~~
KSEB-S-221.00	TYPICAL BUILDING SECTION (LOOKING NORTH)
KSEB-S-222.00	THROUGH BUILDING (LOOKING EAST) (NORTH)
KSEB-S-223.00	THROUGH BUILDING (LOOKING EAST) (SOUTH)
KSEB-S-224.00	GENERATOR PAD STAIR ELEVATION
KSEB-S-225.00	SLIDING DOOR FRAMING ELEVATION
KSEB-S-230.00	SPIRAL STAIR TOWER FRAMING ELEVATION
KSEB-S-231.00	SPIRAL STAIR TOWER FRAMING ELEVATION (CONTINUED)
KSEB-S-232.00	SPIRAL STAIR ELEVATION
KSEB-S-301.00	CONCRETE NOTES, TABLES, AND DETAILS
KSEB-S-302.00	TYPICAL GENERAL CONCRETE DETAILS
KSEB-S-303.00	TYPICAL EXTERIOR S.O.G. CONCRETE DETAILS
KSEB-S-304.00	TYPICAL CONCRETE DETAILS 1
KSEB-S-305.00	TYPICAL CONCRETE DETAILS 2
KSEB-S-306.00	TYPICAL CONCRETE DETAILS 3
KSEB-S-307.00	TYPICAL CONCRETE DETAILS 4
KSEB-S-308.00	TYPICAL CONCRETE DETAILS 5
KSEB-S-309.00	TYPICAL CONCRETE DETAILS 6
KSEB-S-310.00	TYPICAL CONCRETE DETAILS 7
KSEB-S-311.00	TYPICAL CONCRETE DETAILS 8
KSEB-S-312.00	TYPICAL CONCRETE DETAILS 9
KSEB-S-313.00	TYPICAL SLIDING DOOR SUPPORT DETAILS 1
KSEB-S-314.00	TYPICAL SLIDING DOOR SUPPORT DETAILS 2
KSEB-S-315.00	PRECAST STRUCTURAL WALL BRACING DETAILS
KSEB-S-316.00	PRECAST PRESTRESSED SLAB CONN. DETAILS
KSEB-S-317.00	CONCRETE WALL WITH CORBEL DETAILS
KSEB-S-318.00	PRESTRESSED SLAB AND BEAM DETAILS
KSEB-S-319.00	PRESTRESSED SLAB CONN. DETAILS
KSEB-S-320.00	PRECAST CONCRETE WALL OPENING DETAILS
KSEB-S-321.00	CONCRETE STRUCTURAL WALL DETAILS 1
KSEB-S-322.00	CONCRETE STRUCTURAL WALL DETAILS 2
KSEB-S-323.00	WALL & HEADER REINFORCEMENT DETAILS
KSEB-S-324.00	WALL & HEADER CONNECTION SYMBOL LEGEND
KSEB-S-325.00	WALL REINFORCEMENT SCHEDULE
KSEB-S-326.00	CMU WALL WITH PRECAST DETAILS 1
KSEB-S-327.00	CMU WALL WITH PRECAST DETAILS 2

DRAWING No.	SHEET TITLE
KSEB-S-328.00	TYPICAL DUNNAGE RAILING DETAILS 1
KSEB-S-329.00	DUNNAGE SWING GATE DETAILS
KSEB-S-330.00	TYPICAL DUNNAGE LADDER DETAILS
KSEB-S-331.00	TYPICAL ROOF DUNNAGE DETAILS 1
KSEB-S-332.00	TYPICAL ROOF DUNNAGE DETAILS 2
KSEB-S-333.00	TYPICAL ROOF DUNNAGE DETAILS 3
KSEB-S-334.00	TYPICAL ROOF DUNNAGE DETAILS 4
KSEB-S-335.00	TYPICAL ROOF DUNNAGE DETAILS 5
KSEB-S-336.00	TYPICAL ROOF DUNNAGE DETAILS 6
KSEB-S-337.00	TYPICAL ROOF DUNNAGE DETAILS 7
KSEB-S-338.00	STEEL DUNNAGE CONNECTION DETAILS
KSEB-S-339.00	ROOF SLAB DETAILS AT COLLECTION DRAIN
KSEB-S-340.00	ROOF BEAM & PILASTER DETAILS
KSEB-S-341.00	HUNG MEP SUPPORT DETAILS 1
KSEB-S-342.00	HUNG MEP SUPPORT DETAILS 2
KSEB-S-343.00	HUNG MEP SUPPORT DETAILS 3
KSEB-S-344.00	REMOVABLE GRATING WALKWAY DETAILS
KSEB-S-345.00	ROOFTOP DAVIT DETAILS 1
KSEB-S-346.00	ROOFTOP DAVIT DETAILS 2
KSEB-S-347.00	ROOFTOP DAVIT DETAILS 3
KSEB-S-348.00	DUNNAGE 2 RAILING DETAIL AT CORNICE
KSEB-S-349.00	GRATING WALKWAY DETAIL AT SPIRAL STAIR
KSEB-S-350.00	TYPICAL ROOF STUB DETAILS
KSEB-S-351.00	TYPICAL ROOFTOP MEP SUPPORT DETAILS 1
KSEB-S-352.00	TYPICAL ROOFTOP MEP SUPPORT DETAILS 2
KSEB-S-360.00	KENSICO SITE ELECTRICAL HOUSE PAD
KSEB-S-361.00	ENLARGED EYE WASH ENCLOSURE PLANS
KSEB-S-362.00	EYE WASH ENCLOSURE ELEVATIONS
KSEB-S-401.00	TYPICAL STAIR DETAILS 1
KSEB-S-402.00	TYPICAL STAIR DETAILS 2
KSEB-S-403.00	TYPICAL STAIR DETAILS 3
KSEB-S-405.00	TYPICAL GRATING AND MISCELLANEOUS DETAILS
KSEB-S-410.00	SPIRAL STAIR DETAILS 1
KSEB-S-411.00	SPIRAL STAIR DETAILS 2
KSEB-S-412.00	SPIRAL STAIR DETAILS 3
KSEB-S-413.00	SPIRAL STAIR DETAILS 4
KSEB-S-414.00	SPIRAL STAIR DETAILS 5
KSEB-S-415.00	SPIRAL STAIR DETAILS 6
KSEB-S-416.00	SPIRAL STAIR DETAILS 7
KSEB-S-417.00	SPIRAL STAIR DETAILS 8
KSEB-S-418.00	SPIRAL STAIR DETAILS 9
KSEB-S-419.00	SPIRAL STAIR DETAILS 10
KSEB-S-450.00	STEEL BEAM SHEAR CONNECTION TABLE NOTES
KSEB-S-451.00	STEEL BEAM SHEAR CONNECTION DETAILS 1
KSEB-S-452.00	STEEL BEAM SHEAR CONNECTION DETAILS 2
KSEB-S-453.00	STEEL BEAM SHEAR CONNECTION DETAILS 3
KSEB-S-454.00	STEEL BEAM SHEAR CONNECTION DETAILS 4
KSEB-S-455.00	STEEL BEAM SHEAR CONNECTION DETAILS 5 OF 5
KSEB-S-501.00	TYP. NON-LOAD BEARING MASONRY DETAILS 1
KSEB-S-502.00	TYP. NON-LOAD BEARING MASONRY DETAILS 2
KSEB-S-503.00	TYP. NON-LOAD BEARING MASONRY DETAILS 3
KSEB-S-504.00	TYP. NON-LOAD BEARING MASONRY DETAILS 4
KSEB-S-505.00	TYP. NON-LOAD BEARING MASONRY DETAILS 5
KSEB-S-510.00	TYPICAL FACADE SUPPORT DETAILS 1
KSEB-S-511.00	TYPICAL FACADE SUPPORT DETAILS 2
KSEB-S-512.00	TYPICAL FACADE SUPPORT DETAILS 3
KSEB-S-513.00	TYPICAL FACADE SUPPORT DETAILS 4
KSEB-S-514.00	TYPICAL FACADE SUPPORT DETAILS 5
KSEB-S-515.00	TYPICAL FACADE SUPPORT DETAILS 6
KSEB-S-516.00	EYE WASH ENCLOSURE DETAILS 1 OF 5
KSEB-S-517.00	EYE WASH ENCLOSURE DETAILS 2 OF 5
KSEB-S-518.00	EYE WASH ENCLOSURE DETAILS 3 OF 5
KSEB-S-519.00	EYE WASH ENCLOSURE DETAILS 4 OF 5
KSEB-S-520.00	EYE WASH ENCLOSURE DETAILS 5 OF 5
KSEB-S-900.00	KENSICO SITE ELECTRICAL BUILDING OVERALL
KSEB-S-901.00	EAST WALL 3D VIEW

DRAWING No.	SHEET TITLE
KSEB-S-902.00	NORTH WALL 3D VIEW
KSEB-S-903.00	SLAB 3D VIEW
KSEB-S-904.00	NON-LOAD BEARING CMU WALL CONNECTION
KSEB-S-905.00	ROOF STEEL DUNNAGE 3D VIEW
KSEB-S-906.00	SPIRAL STAIR 3D VIEW
KSEB-S-907.00	SPIRAL STAIR PLATFORM 3D VIEW (WEST SIDE)
KSEB-S-908.00	SPIRAL STAIR PLATFORM 3D VIEW (EAST SIDE)
KSEB-S-909.00	STAIR INNER PLATFORM SUPPORT 3D VIEW
	HVAC
KSEB-H-001.00	SYMBOLS AND ABBREVIATIONS
KSEB-H-002.00	GENERAL NOTES
KSEB-H-003.00	EQUIPMENT SCHEDULES 1
KSEB-H-004.00	EQUIPMENT SCHEDULES 2
KSEB-H-301.00	SINGLE LINE DIAGRAMS
KSEB-H-401.00	FLOOR PLAN
KSEB-H-402.00	ROOF PLAN
KSEB-H-701.00	SECTIONS 1
KSEB-H-702.00	SECTIONS 2
KSEB-H-703.00	SECTIONS 3
KSEB-H-801.00	HVAC DETAILS 1
KSEB-H-802.00	HVAC DETAILS 2
KSEB-H-901.00	CONTROLS SYMBOLS AND ABBREVIATIONS
KSEB-H-902.00	CONTROLS DIAGRAMS 1
KSEB-H-903.00	CONTROLS DIAGRAMS 2
~~KSEB-H-904.00~~	~~CONTROLS DIAGRAMS 3~~
KSEB-H-905.01	CONTROLS DETAILS 1
KSEB-H-906.01	CONTROLS DETAILS 2
KSEB-H-907.01	CONTROLS DETAILS 3
3 KSEB-H-908.01	CONTROLS DETAILS 4

ADDENDUM NO. 3
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2	08/2023	ADDENDUM 3	VL
1	07/2023	ADDENDUM 2	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

ARUP

STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
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DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

DRAWING INDEX

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KEC2-G-003.02

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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Paper Size Printed/Plotted: (34.00 x 22.00 Inches) Plot Scale:1:1
Drawing File Name & Drive Location: (command "zoom" "E")

DRAWING No.	SHEET TITLE
PLUMBING	
KSEB-P-001.01	SYMBOL LIST, NOTES, LEGENDS & SCHEDULES
KSEB-P-401.01	FLOOR PLAN
KSEB-P-501.01	ENLARGED PLANS & RISERS
KSEB-P-801.01	DETAILS
FIRE PROTECTION	
KSEB-FP-001.00	SYMBOL LIST, NOTES, LEGENDS & SCHEDULES
KSEB-FP-401.00	FLOOR PLAN OPERATING FLOOR
KSEB-FP-801.00	TYPICAL DETAILS 1
KSEB-FP-802.00	TYPICAL DETAILS 2
ELECTRICAL	
KSEB-E-001.00	GENERAL NOTES, LEGENDS & ABBREVIATIONS 1
KSEB-E-002.00	GENERAL NOTES, LEGENDS & ABBREVIATIONS 2
KSEB-E-100.00	OVERALL SITE PLAN
KSEB-E-101.01	SITE PLAN 1
KSEB-E-102.00	SITE PLAN 2
KSEB-E-103.01	SITE PLAN 3
KSEB-E-104.00	SITE PLAN 4
KSEB-E-105.00	SITE PLAN 5
KSEB-E-106.00	SITE PLAN 6
KSEB-E-107.00	SITE PLAN 7
KSEB-E-120.00	GROUNDING SITE PLAN
KSEB-E-300.00	OVERALL ONE LINE DIAGRAM
KSEB-E-301.00	ONE LINE DIAGRAM 1 ONE LINE DIAGRAM 1
KSEB-E-302.00	ONE LINE DIAGRAM 2
KSEB-E-303.00	ONE LINE DIAGRAM 3
KSEB-E-304.00	ONE LINE DIAGRAM 4
KSEB-E-305.00	ONE LINE DIAGRAM 5
KSEB-E-306.00	ONE LINE DIAGRAM 6
KSEB-E-310.00	EQUIPMENT ELEVATION 1
KSEB-E-311.00	EQUIPMENT ELEVATION 2
KSEB-E-320.00	BREAKER CONTROL SCHEMATIC 1
KSEB-E-321.00	BREAKER CONTROL SCHEMATIC 2
KSEB-E-322.00	BREAKER CONTROL SCHEMATIC 3
KSEB-E-323.00	BREAKER CONTROL SCHEMATIC 4
KSEB-E-324.00	BREAKER CONTROL SCHEMATIC 5
KSEB-E-325.00	BREAKER CONTROL SCHEMATIC 6
KSEB-E-326.00	BREAKER CONTROL SCHEMATIC 7
KSEB-E-327.00	BREAKER CONTROL SCHEMATIC 8
KSEB-E-328.00	BREAKER CONTROL SCHEMATIC 9
KSEB-E-329.00	BREAKER CONTROL SCHEMATIC 10
KSEB-E-400.00	GROUND LEVEL -LIGHTING PLAN
KSEB-E-401.00	ENLARGED LIGHTING PLAN
~~KSEB-E-402.00~~	~~LIGHTING PLAN - ELEC. EQUIPMENT AND PARKING~~
3 KSEB-E-420.01	RELOCATED WESTLAKE DRIVE SITE LIGHTING PLAN
~~KSEB-E-500.00~~	~~GROUND LEVEL -POWER PLAN~~
KSEB-E-501.00	ROOF LEVEL -POWER PLAN
KSEB-E-505.00	GROUNDING PLAN
KSEB-E-506.00	LIGHTNING PROTECTION PLAN
KSEB-E-507.00	PV PANEL LAYOUT & BLOCK DIAGRAM
KSEB-E-510.00	POWER PLAN - EOH HEADQUARTERS
KSEB-E-520.00	POWER PLAN - LEC
KSEB-E-530.00	POWER PLAN - WATERFOWL BUILDING
KSEB-E-600.00	NETWORK BLOCK DIAGRAM
KSEB-E-615.00	BLOCK DIAGRAM
KSEB-E-700.00	ELECTRICAL DUCTBANK DETAILS 1
KSEB-E-701.00	ELECTRICAL DUCTBANK DETAILS 2
KSEB-E-800.00	ELECTRICAL DETAILS 1
KSEB-E-801.00	ELECTRICAL DETAILS 2
KSEB-E-802.00	ELECTRICAL DETAILS 3
KSEB-E-810.00	ELECTRICAL DETAILS
KSEB-E-900.00	LIGHT FIXTURE SCHEDULE
KSEB-E-901.00	PANEL SCHEDULE -1
KSEB-E-902.00	PANEL SCHEDULE -2
KSEB-E-902.00	PANEL SCHEDULE -3

DRAWING No.	SHEET TITLE
KSEB-E-910.00	CABLE AND CONDUIT SCHEDULE 1
KSEB-E-911.00	CABLE AND CONDUIT SCHEDULE 2
KSEB-E-912.00	CABLE AND CONDUIT SCHEDULE 3
KSEB-E-913.00	CABLE AND CONDUIT SCHEDULE 3
FIRE ALARM	
KSEB-FA-001.00	SYMBOLS, ABBREVIATIONS & GENERAL NOTES
KSEB-FA-002.00	GENERAL NOTES
KSEB-FA-301.00	RISER DIAGRAM & MATRIX
KSEB-FA-601.00	GROUND FLOOR PLAN
SECURITY	
KSPP-SE-001.00	GENERAL NOTES, SYMBOLS AND ABBREVIATIONS
KSPP-SE-138.00	TEMP SHAFT 18 ENTRANCE SITE PLAN
KSPP-SE-300.00	SYSTEM ARCHITECTURE DIAGRAM
KSPP-SE-700.00	SCHEDULES SHEET 1
KSPP-SE-801.00	DETAILS SHEET 1
KSPP-SE-802.00	DETAILS SHEET 2
KSPP-SE-803.00	DETAILS SHEET 3
KSEB-SE-401.00	GROUND FLOOR PLAN
KSEB-SE-402.00	RACK ELEVATIONS
LANDSCAPING	
KSEB-L-001.00	LANDSCAPE NOTES
KSEB-L-002.00	LANDSCAPE ABBREVIATIONS
KSEB-L-100.00	LANDSCAPE OVERALL SITE PLAN
KSEB-L-101.01	LANDSCAPE PLAN - SHEET 1
KSEB-L-102.00	LANDSCAPE PLAN - SHEET 2
KSEB-L-103.00	LANDSCAPE PLAN - SHEET 3
KSEB-L-104.00	LANDSCAPE PLAN - SHEET 4
KSEB-L-105.01	LANDSCAPE PLAN - SHEET 5
KSEB-L-500.00	LANDSCAPE PLANTING DETAILS

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
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2	07/2023	ADDENDUM 2	VL
1	05/2023	ADDENDUM 1	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

ARUP

STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

DRAWING INDEX

DATE: AUGUST 2023
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DRAWING NO. KEC2-G-004.03

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Drawing File Name & Drive Location: (command "zoom" "E")

CIVIL GENERAL NOTES

GENERAL:

1. ALL PROPOSED WORK SHALL BE PERFORMED IN ACCORDANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS.
2. ANY CONTRACTOR/SUB-CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS. ELEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO DEP REQUIREMENTS AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON SITE AND SHALL REPORT ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND CONTRACT DOCUMENTS TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORK.
4. THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEBRIS FROM DEMOLITION AT CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
5. ALL BUILDING COORDINATES ARE TO OUTSIDE CORNER OF COLUMN OR BUILDING. ALSO, ALL DIMENSIONS ARE TO THE EDGE OF STRUCTURES AND FACE OF CURBS UNLESS SPECIFICALLY INDICATED OTHERWISE.
6. THE CONTRACTOR SHALL DISPOSE OF ALL NON-ORGANIC WASTES SUCH AS OLD GUNITE, PIPING, ROCK RUBBLE ETC. AT AN APPROVED LANDFILL OR, OTHER SUITABLE DISPOSAL SITES AT THE CONTRACTOR'S EXPENSE.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY STREET MONUMENTATION IN-PLACE. IF ANY MONUMENT IS DISTURBED OR DESTROYED, THE CONTRACTOR SHALL CONTRACT WITH A REGISTERED LAND SURVEYOR FOR THE RE-ESTABLISHMENT AND MAPPING OF THE DESTROYED MONUMENT.
8. AT THE COMPLETION OF THE WORK FOR THIS CONTRACT, ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR AS INDICATED BY THE CONTRACT DRAWINGS.
9. SEE SECTION 01 14 00 - WORK RESTRICTIONS FOR NOISE LEVELS LIMITS AND ALLOWED CONSTRUCTION ACTIVITY TIME WINDOW.

UNDERGROUND UTILITIES:

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE, STRUCTURES OR CONDUITS SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.
2. EXISTING UTILITY LOCATIONS, SIZE AND ELEVATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE INTENDED TO INDICATE THE EXISTENCE OF SUCH UTILITIES IN THE AREAS SHOWN. BEFORE PROCEEDING WITH THE WORK, THE CONTRACTOR SHALL VERIFY UTILITY HORIZONTAL LOCATIONS AND ELEVATIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.
3. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT-IN-PLACE, SUPPORT, AND MAINTAIN ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN OR NOT IN THE LOCATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE ANY DAMAGED UTILITIES OR BURIED PIPING TO THE SATISFACTION OF THE DEP. ALL EXCAVATORS MUST CALL DIG SAFELY NEW YORK AT (811) AT LEAST TWO (2) BUT NOT MORE THAN (10) WORKING DAYS PRIOR TO THE START OF EXCAVATION. ACCORDING TO NEW YORK STATE LAW (GENERAL BUSINESS LAW ARTICLE 36 AND PUBLIC SERVICE LAW 119-B), ALL OPERATORS OF UNDERGROUND FACILITIES MUST BECOME MEMBERS OF THE DIG SAFELY NEW YORK ONE-CALL NETWORK.
4. EXISTING STORMWATER AND SEWER PIPES AND MANHOLES THAT ARE BEING MODIFIED BY THE CONTRACTOR SHALL BE CCTV INSPECTED PRIOR TO AND AFTER CONSTRUCTION.

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CIVIL GENERAL NOTES - CONTINUED

PIPING:

1. THE CONTRACTOR SHALL COMPLY WITH THE STATE DEPARTMENT OF HEALTH SERVICES CRITERIA FOR THE SEPARATION OF WATER MAINS AND SANITARY SEWERS.
2. THE CONTRACTOR SHALL PROVIDE 48 INCHES OF MINIMUM COVER FOR ALL PIPES UNLESS OTHERWISE SHOWN OR DIRECTED. POTABLE WATER AND RAW WATER MAINS SHALL HAVE A MINIMUM COVER OF 60 INCHES.
3. STRAIGHT SLOPES SHALL BE MAINTAINED BETWEEN INVERT ELEVATIONS SHOWN OR SPECIFIED.
4. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES, PULL BOXES AND MANHOLES TO FINISHED GRADE UNLESS OTHERWISE SHOWN OR SPECIFIED. MANHOLES IN OPEN FIELDS SHALL BE SET ONE FOOT ABOVE GRADE. APPROXIMATE RIM ELEVATIONS ARE SHOWN ON DRAWINGS.
5. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXPOSE EXISTING WATER SYSTEM AT CONNECTION POINTS AND VERIFY ITS EXISTING ELEVATION AND LOCATION, AND ACTUAL DIAMETER.

GRADING:

1. ALL GRADING SHALL CONFORM TO CONTRACT SPECIFICATIONS, NYSDEC STORMWATER DESIGN MANUAL, NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND THE CODE OF THE TOWN OF MOUNT PLEASANT.
2. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS AND OTHER DELETERIOUS MATERIAL AND SCARIFIED TO A DEPTH OF 12-INCH.
3. ALL FILL SHALL BE COMPACTED AS INDICATED IN SECTION 31 23 23 - FILL.
4. MAXIMUM CUT SLOPES SHALL BE 2:1 AND MAXIMUM FILL SLOPES SHALL BE 2:1 UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICATIONS.
5. DURING GRADING OPERATIONS, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED BY CONTRACTOR TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES AND EXISTING FACILITIES.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SECURE, FENCED SITE AT ALL TIMES DURING CONSTRUCTION.
7. CONTRACTOR SHALL OBTAIN ANY/ALL NECESSARY PERMIT(S) FOR ALL GRADING OPERATIONS.
8. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DEWATER THE SITE AS REQUIRED FOR CONSTRUCTION OF THE PROPOSED FACILITIES AS WELL AS THE LEGAL DISPOSAL OF THE GROUNDWATER IN ACCORDANCE WITH SECTION 31 23 19 - DEWATERING.
9. DISTURBED AREAS USED FOR CUT/FILL SHALL BE STABILIZED WITHIN A 7-DAY TIMEFRAME IN ACCORDANCE WITH THE NYSDEC BLUE BOOK.
10. THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A NEW YORK STATE LICENSED LAND SURVEYOR TO PERFORM A TOPOGRAPHICAL SURVEY AT THE WORK AREA. A SURVEY SHOWING THE LOCATION OF ALL NEW STRUCTURES, PIPES AND DUCTBANKS SHALL BE PERFORMED PRIOR TO BACKFILLING AND SUBMITTED TO THE ENGINEER.

CIVIL GENERAL NOTES - CONTINUED

EROSION CONTROL:

1. CHECK DAMS, CONSTRUCTION DITCHES, GRASSED WATERWAYS AND OTHER RUNOFF CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ROUGH GRADING.
2. FIBER ROLLS AND OR HAY BALES SHALL BE PLACED ACROSS ALL DRAINAGE AREAS CREATED DURING GRADING TO SLOW RUN-OFF WATER AND MINIMIZE EROSION.
3. ALL SLOPE PROTECTION SWALES TO BE CONSTRUCTED AT THE SAME TIME AS THE BANKS ARE GRADED.
4. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION CONTROL MEASURES AS REQUIRED AND ALSO TO PROVIDE ANY ADDITIONAL CONTROL MEASURES (I.E. SANDBAGGING, DIVERSION DITCHES, RETENTION BASINS, ETC.) DICTATED BY FIELD CONDITIONS TO PREVENT EROSION AND/OR THE INTRODUCTION OF DIRT, MUD OR DEBRIS ONTO EXISTING PUBLIC STREETS, RECEIVING WATER BODIES, AND/OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS.
5. CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING GRADING AND CONSTRUCTION OPERATIONS.
6. CONTRACTOR SHALL PROVIDE SLOPE STABILIZATION IN ACCORDANCE WITH THE NYSDEC BLUE BOOK. CONTRACTOR SHALL PROVIDE LANDSCAPING IN ACCORDANCE WITH THE LANDSCAPING CONTRACT DRAWINGS.
7. TEMPORARY ROADS AND STAGING AREAS SHALL BE STABILIZED IN ACCORDANCE WITH THE NYS BLUE BOOK STANDARD AND SPECIFICATIONS FOR CONSTRUCTION ROAD STABILIZATION.
8. ALL WATERCOURSES SHALL BE PROTECTED FROM SITE SURFACE RUNOFF IN ACCORDANCE WITH CONTRACT SECTION 31 25 10 - DUST, SOIL, EROSION AND SEDIMENT CONTROL. EACH SITE HAS A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT THE CONTRACTOR MUST SIGN ON TO, FOLLOW, AND UPDATE AS REQUIRED BY SITE CONDITIONS. MORE INFORMATION ABOUT RECEIVING SURFACE WATERS AT THE EASTVIEW SITE CAN BE FOUND IN THE EASTVIEW SWPPP SECTION 3.1.5.
9. DUST SHALL BE CONTROLLED IN ACCORDANCE WITH CONTRACT SECTION 31 25 10 - DUST, SOIL EROSION AND SEDIMENT CONTROL. EACH SITE HAS A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT THE CONTRACTOR MUST SIGN ON TO, FOLLOW, AND UPDATE AS REQUIRED BY SITE CONDITIONS. MORE INFORMATION ABOUT DUST CONTROL AT THE EASTVIEW SITE CAN BE FOUND IN THE EASTVIEW SWPPP SECTION 3.4.2.
10. THE LAYOUT OF CONTRACTOR FACILITIES AND WORK AREAS AT THE SITE ARE GENERAL SUGGESTIONS. ACTUAL LAYOUT SHALL BE DETERMINED BY THE CONTRACTOR, AND APPROVED BY THE ENGINEER.

FENCING:

1. PERIMETER CONCRETE-MOUNTED CHAIN-LINK FENCE SHALL BE TEMPORARILY RELOCATED AS REQUIRED FOR FINAL SECURITY FENCE INSTALLATION. SECURE PERIMETER SHALL BE MAINTAINED AT ALL TIMES. CHAIN-LINK FENCE SHALL BE REMOVED AFTER FINAL SECURITY FENCE INSTALLATION. SEE SECTION 01 14 00 - WORK RESTRICTIONS.
2. CATSKILL AERATOR CONCRETE BARRIER AND LEC FENCE SHALL ONLY BE REMOVED AFTER SUBSTANTIAL COMPLETION OF POLICE BOOTH, DELAWARE AERATOR AND SCREEN CHAMBER AREA SITE WORK, AND FINAL PERIMETER FENCE INSTALLATION. REMOVAL SHALL BE COORDINATED WITH BWS OPERATIONS, BPS, OTHER KENS-EAST CONTRACTORS AND SHALL REQUIRE ENGINEER'S APPROVAL.

CIVIL GENERAL NOTES - CONTINUED

DEMOLITION NOTES:

1. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
2. ITEMS IDENTIFIED "TO BE REMOVED" SHALL BE DISPOSED OF AT EXPENSE OF CONTRACTOR, AND SHALL BE DONE SO IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
3. UNLESS OTHERWISE INDICATED SPECIFICALLY, ALL EXISTING FACILITIES ARE TO BE PROTECTED IN PLACE. ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN-KIND AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR SHALL COORDINATE AND SCHEDULE WITH THE ENGINEER ALL DEMOLITION WORK TO BE PERFORMED. NO WORK SHALL BE PERFORMED WITHOUT PRIOR NOTICE TO THE ENGINEER. WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
5. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON ALL UNIDENTIFIED UTILITIES NOT SHOWN ON THE PLANS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS. IF RELOCATION OR REMOVAL OF THE UTILITY IS DETERMINED, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER BEFORE STARTING ANY WORK AND COORDINATE ON THE RELOCATION OR REMOVAL OF THE EXISTING UTILITY.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #2	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099826 · LICENSED PROFESSIONAL ENGINEER · 8/4/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
GENERAL NOTES

DATE: APRIL 2023
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DRAWING NO. KSPP-C-001.02

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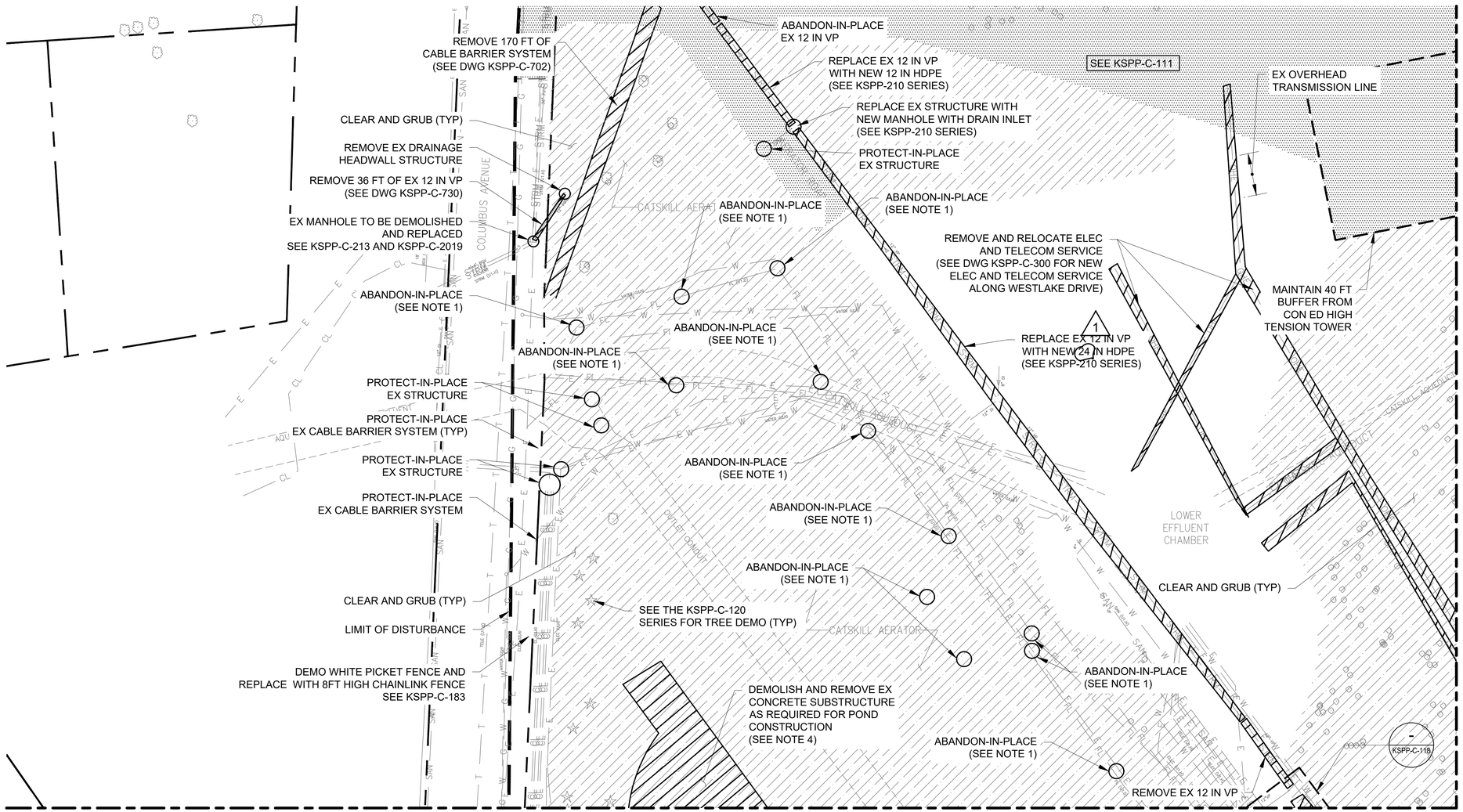
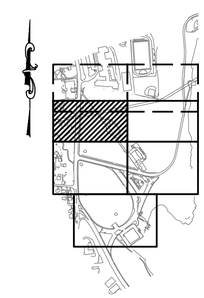


SITE DEMOLITION PLAN 3

SCALE: 1"=40'

NOTES:

1. PIPES, MANHOLES AND HANDHOLES SHALL BE ABANDONED IN PLACE IN ACCORDANCE WITH SECTION 02 41 10 - DEMOLITION AND REMOVALS
2. ALL EXISTING UTILITY MANHOLES, HANDHOLES, DRAINS AND CATCHBASINS NOT SPECIFICALLY NOTED FOR ABANDONMENT SHALL BE PROTECTED IN PLACE.
3. IF REQUIRED, RIMS SHALL BE ADJUSTED TO NEW GRADES AS PER KSPP-C-200 SERIES
4. CONTRACTOR SHALL REFER TO CAT-210 SP AS-BUILT DRAWINGS, PROVIDED IN BID EXHIBIT, FOR EXISTING AERATOR SUBSTRUCTURE DIMENSIONS.
5. ALL CABLE BARRIERS NOT LISTED FOR DEMOLITION SHALL BE PROTECTED IN PLACE AND REMAIN INSTALLED AND FASTENED TO THEIR RESPECTIVE DEADMAN.



KEY PLAN

1"=40' 0 40 80 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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STATE OF NEW YORK SEBASTIAN LOPEZ 095826 LICENSED PROFESSIONAL ENGINEER 5/1/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE DEMOLITION
PLAN 3

DATE: APRIL 2023
SCALE: AS NOTED
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DRAWING NO. KSPP-C-113.01

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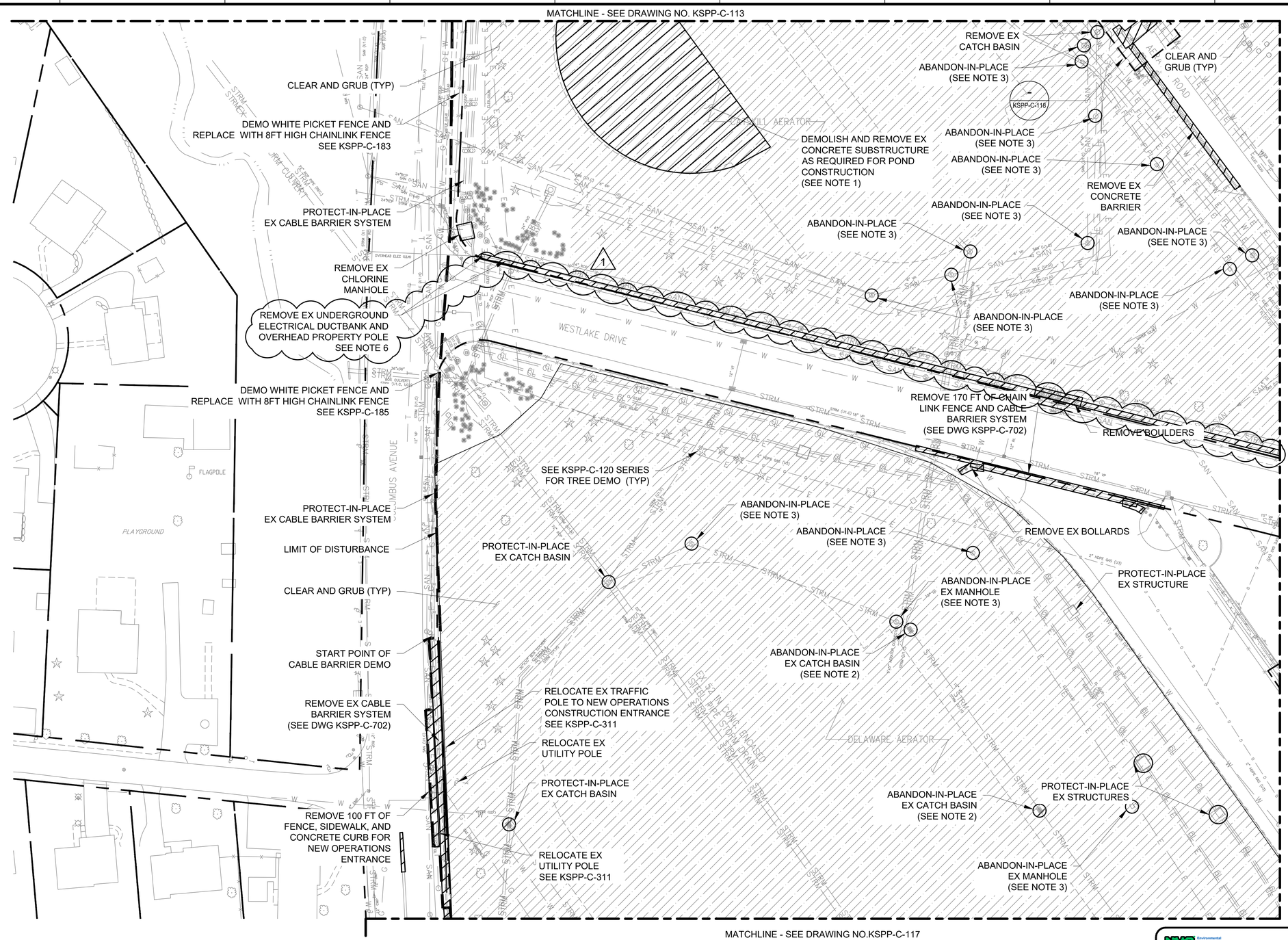

NOTES:

1. CONTRACTOR SHALL REFER TO CAT-210 SP AS-BUILT DRAWINGS, PROVIDED IN BID EXHIBIT, FOR EXISTING AERATOR SUBSTRUCTURE DIMENSIONS.
2. CATCH BASINS AND MANHOLES SHALL BE ABANDONED IN ACCORDANCE WITH SECTION 02 41 10 - DEMOLITION AND REMOVALS
3. PIPES, MANHOLES AND HANDHOLES SHALL BE ABANDONED IN PLACE IN ACCORDANCE WITH SECTION 02 41 10 - DEMOLITION AND REMOVALS
4. ALL EXISTING UTILITY MANHOLES, HANDHOLES, DRAINS AND CATCHBASINS NOT SPECIFICALLY NOTED FOR ABANDONMENT SHALL BE PROTECTED IN PLACE. IF REQUIRED, RIMS SHALL BE ADJUSTED TO NEW GRADES AS PER KSPP-C-200 SERIES
5. ALL CABLE BARRIERS NOT LISTED FOR DEMOLITION SHALL BE PROTECTED IN PLACE AND REMAIN INSTALLED AND FASTENED TO THEIR RESPECTIVE DEADMAN.
6. THE EXISTING FLUORIDE BUILDING ELECTRICAL SERVICE SHALL ONLY BE REMOVED AFTER THE NEW FLUORIDE BUILDING ELECTRICAL SERVICE, AS PER KSEB-E-107 AND KSEB-E-305, IS INSTALLED, TESTED, AND BROUGHT INTO SERVICE. FLUORIDE BUILDING POWER SUPPLY SHALL NOT BE INTERRUPTED.

1

KEY PLAN

1"=40' 0 40 80 FT.

EXISTING SITE & BORING LOCATION PLAN 5

SCALE: 1"=40'

ADDENDUM NO. 3
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DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 085628 LICENSED PROFESSIONAL ENGINEER 8/14/23

Environmental Protection

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PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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BUREAU OF ENGINEERING DESIGN & CONSTRUCTION
96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE DEMOLITION
PLAN 5

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-115.01

Last Saved By: SLopez Last Date Saved: 8/14/2023 10:59 AM Date & Time Plotted: 8/14/2023 11:23 AM
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Drawing File Name & Drive Location: (command "zoom" "E") Plot Scale:1:1

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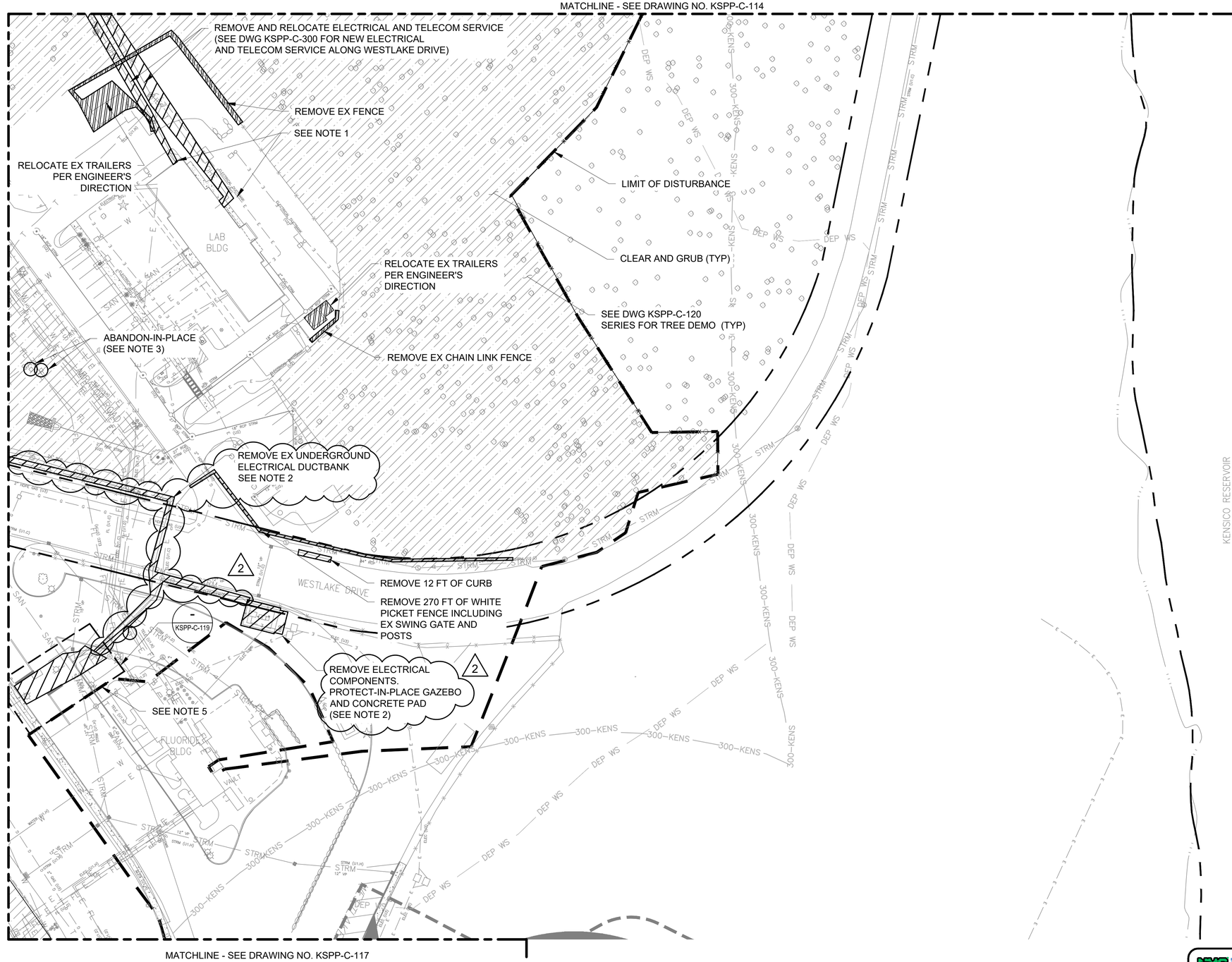
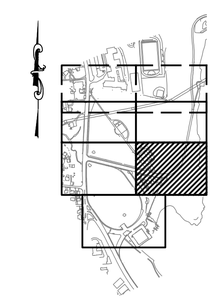


NOTES:

1. THE CONTRACTOR SHALL PERFORM ALL REQUIRED OVERHEAD POWER AND TELECOM DEMOLITION REQUIRED FOR INSTALLATION OF NEW ELECTRICAL POWER AND TELECOMMUNICATION SERVICE TO THE EOH-HEADQUARTERS BUILDING AS SHOWN IN KSPP-C-300.
2. REMOVE EXISTING FLUORIDE BUILDING ELECTRICAL SERVICE.
   A. THE EXISTING FLUORIDE BUILDING ELECTRICAL SERVICE SHALL ONLY BE REMOVED AFTER THE NEW FLUORIDE BUILDING ELECTRICAL SERVICE, AS PER SEB-E-107, IS INSTALLED, TESTED, AND BROUGHT INTO SERVICE. FLUORIDE BUILDING POWER SUPPLY SHALL NOT BE INTERRUPTED.
   B. FLUORIDE BUILDING POWER SERVICE TRANSFER SHALL BE COORDINATED WITH BWS.
   C. CONTRACTOR SHALL REMOVE ELECTRICAL EQUIPMENT. EXISTING SHED AND CONCRETE PAD SHALL BE PROTECTED IN PLACE. EXISTING UNDERGROUND DUCTBANKS SHALL BE CAPPED AND ABANDONED-IN-PLACE. SEE KSEB-E-305.
   D. CONTRACTOR SHALL PROVIDE TOPSOIL AND GRASS COVER IN AREA OF REMOVED CONCRETE PAD IN ACCORDANCE WITH SECTION 32 90 00 - PLANTING AND 32 90 05 - SOIL MIXES
3. PIPES, MANHOLES AND HANDHOLES SHALL BE ABANDONED IN PLACE IN ACCORDANCE WITH SECTION 02 41 10 - DEMOLITION AND REMOVALS
4. ALL EXISTING UTILITY MANHOLES, HANDHOLES, DRAINS, AND CATCH BASINS NOT SPECIFICALLY NOTED FOR ABANDONMENT SHALL BE PROTECTED IN PLACE. IF REQUIRED, RIMS SHALL BE ADJUSTED TO NEW GRADES AS PER KSPP-C-200 SERIES.
5. EXISTING POLICE BOOTH AND BARRIERS WILL BE DEMOLISHED ONLY AFTER THE TEMPORARY ENTRANCE IS PUT INTO SERVICE AND A NEW TT218 GATE IS PLACED IN FRONT OF THE EXISTING BARRIER THAT WILL BE DEMOLISHED.



KEY PLAN

1"=40' 0 40 80 FT.

SITE DEMOLITION PLAN 6

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft): +1.28 BWS; 0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #2	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 2006826 · LICENSED PROFESSIONAL ENGINEER · 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE DEMOLITION
PLAN 6

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-116.02

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Drawing File Name & Drive Location: (command "zoom" "E")

Tree Tag #	Species - Common Name	Species - Scientific Name	Caliper (Inches)	Condition	Notes	Native	TBR
1851	Black Oak	Quercus velutina	19	GOOD	L, PROX, BU	Y	X
1852	Black Oak	Quercus velutina	21	GOOD	BU, V	Y	X
1853	Black Cherry	Prunus serotina	10	FAIR	SH, L, DW, V	Y	X
1854	Flowering Dogwood	Cornus Florida	4	GOOD	L	Y	X
1855	Black Cherry	Prunus serotina	8	FAIR	SH, L, DW, V	Y	X
1856	Eastern White Cedar	Thuja occidentalis	9, 11	POOR	ML, SH, BU, DW, V, PROX	Y	X
1857	Norway Maple	Acer platanoides	5	FAIR	SH, L, V, PROX	Y	X
1858	Eastern White Cedar	Thuja occidentalis	6, 7, 14	POOR	ML, SH, BU, DW, V, PROX	Y	X
1859	Eastern White Cedar	Thuja occidentalis	8, 12	POOR	ML, SH, BU, DW, V, PROX	Y	X
1860	Eastern White Cedar	Thuja occidentalis	9, 8	POOR	ML, SH, BU, DW, V, PROX	Y	X
1861	Eastern White Cedar	Thuja occidentalis	6, 5, 9	POOR	ML, SH, BU, DW, V, PROX	Y	X
1862	Eastern White Cedar	Thuja occidentalis	18	FAIR	SH, L, V, TD, PROX	Y	X
1863	Eastern White Cedar	Thuja occidentalis	9, 8	POOR	ML, SH, L, CR, DW, V	Y	X
1864	Red Maple	Acer rubrum	5, 8	POOR	ML, DEAD	Y	X
1865	Japanese Angelica-Tree	Aralia elata	6	FAIR	SH, L, V	N	X
1866	Eastern White Cedar	Thuja occidentalis	8	POOR	DEAD, FEL	Y	X
1867	Eastern White Cedar	Thuja occidentalis	6	POOR	DEAD, FEL	Y	X
1868	Eastern White Cedar	Thuja occidentalis	8	POOR	DEAD, FEL	Y	X
1869	Eastern White Cedar	Thuja occidentalis	9	POOR	DEAD, FEL	Y	X
1870	Eastern White Cedar	Thuja occidentalis	4, 5, 9	POOR	ML, DEAD	Y	X
1871	Eastern White Cedar	Thuja occidentalis	3, 5, 14	POOR	ML, SH, L, BU, DW, PROX	Y	X
1872	Eastern White Cedar	Thuja occidentalis	4	POOR	DEAD	Y	X
1873	Eastern White Cedar	Thuja occidentalis	2, 5, 12	POOR	ML, SH, L, BU, DW, PROX	Y	X
1874	Eastern White Cedar	Thuja occidentalis	4	POOR	DEAD, FEL	Y	X
1875	Eastern White Cedar	Thuja occidentalis	8	POOR	DEAD, FEL	Y	X
1876	Eastern White Cedar	Thuja occidentalis	11	FAIR	SH, L, DW, V	Y	X
1877	Eastern White Cedar	Thuja occidentalis	2, 4, 5	POOR	ML, SH, BU, DW, V, PROX	Y	X
1878	Eastern White Cedar	Thuja occidentalis	8, 10	FAIR	ML, SH, BU, DW, V, PROX	Y	X
1879	Eastern White Cedar	Thuja occidentalis	11, 11	POOR	ML, SH, BU, TD, DW, V, PROX	Y	X
1880	Eastern White Cedar	Thuja occidentalis	10	POOR	DEAD	Y	X
1881	Black Cherry	Prunus serotina	6, 5	POOR	ML, SH, L, BU, DW, V	Y	X
1882	Eastern White Cedar	Thuja occidentalis	5, 2	POOR	ML, SH, BU, TD, DW, V, PROX	Y	X
1883	Eastern White Cedar	Thuja occidentalis	6, 9	POOR	ML, SH, BU, TD, DW, V, PROX	Y	X
1884	Eastern White Cedar	Thuja occidentalis	3, 5, 6	POOR	ML, DEAD	Y	X
1885	Black Cherry	Prunus serotina	6	FAIR	SH, L, V, PROX	Y	X
1886	Eastern White Cedar	Thuja occidentalis	9	POOR	SH, L, DW, V, PROX	Y	X
1887	Black Oak	Quercus velutina	13	GOOD	SH, V, PROX	Y	X
1888	Black Cherry	Prunus serotina	6	POOR	SH, L, BU, DW, V	Y	X
1889	Black Cherry	Prunus serotina	10, 10	POOR	ML, SH, L, V, TD, PROX	Y	X
1890	Black Oak	Quercus velutina	6	FAIR	SH, L, PROX	Y	X
1891	Norway Spruce	Picea abies	20	POOR	DEAD, INS	Y	X
1892	Black Cherry	Prunus serotina	9, 6	POOR	ML, SH, BU, DW, V, PROX	Y	X
1893	Eastern White Cedar	Thuja occidentalis	7	POOR	DEAD, FEL	Y	X
1894	Eastern White Cedar	Thuja occidentalis	5, 7	POOR	ML, DEAD	Y	X
1895	Red Oak	Quercus rubra	8	POOR	SH, L, DW, V, PROX	Y	X
1896	Eastern White Cedar	Thuja occidentalis	7, 7	POOR	ML, DEAD	Y	X
1897	Eastern White Cedar	Thuja occidentalis	12	POOR	DEAD	Y	X
1898	Eastern White Cedar	Thuja occidentalis	10, 6, 12	POOR	ML, DEAD, FEL	Y	X
1899	Eastern White Cedar	Thuja occidentalis	8	POOR	DEAD	Y	X
1900	Eastern White Cedar	Thuja occidentalis	7, 8	POOR	DEAD	Y	X
1901	Eastern White Cedar	Thuja occidentalis	6, 7	POOR	ML, DEAD	Y	X
1902	Eastern White Cedar	Thuja occidentalis	9, 4, 5, 3	POOR	ML, DEAD	Y	X
1903	Black Oak	Quercus velutina	8	POOR	SH, BL, DW, V	Y	X
1904	Tree of Heaven	Ailanthus altissima	11	POOR	SH, L, FEL	N	X
1905	Tree of Heaven	Ailanthus altissima	4	FAIR	SH, V	N	X
1906	Tree of Heaven	Ailanthus altissima	5	GOOD	V	N	X
1907	Tree of Heaven	Ailanthus altissima	6	GOOD	V	N	X
1908	Tree of Heaven	Ailanthus altissima	7	FAIR	SH, BU, V	N	X
1909	Tree of Heaven	Ailanthus altissima	5	POOR	SH, L, TD, V	N	X
1910	Tree of Heaven	Ailanthus altissima	5	POOR	SH, L, TD, V	N	X
1911	Tree of Heaven	Ailanthus altissima	7	POOR	SH, L, BL, DW, V	N	X
1912	Eastern White Cedar	Thuja occidentalis	6	POOR	DEAD	Y	X
1913	Tree of Heaven	Ailanthus altissima	7	POOR	DEAD	N	X
1914	Red Oak	Quercus rubra	8	GOOD	SH, L, PROX	Y	X
1915	Flowering Dogwood	Cornus Florida	4	GOOD	GOOD	Y	X
1916	Black Oak	Quercus velutina	15	GOOD	BU	Y	X
1917	Black Oak	Quercus velutina	14	GOOD	SH, BU	Y	X
1918	Black Cherry	Prunus serotina	6	GOOD	SH, L, PROX	Y	X
1919	Black Oak	Quercus velutina	10	GOOD	GOOD	Y	X
1920	Flowering Dogwood	Cornus Florida	9	FAIR	SH, BL, DW, V	Y	X
1921	Common Serviceberry	Amelanchier arborea	6, 6, 4, 4, 4, (5)2	GOOD	ML, SH, BU, PROX	Y	X
1922	Eastern White Cedar	Thuja occidentalis	6, 3	POOR	ML, SH, BU, PROX	Y	X
1923	Flowering Dogwood	Cornus Florida	6, 5	FAIR	ML, SH, PROX	Y	X
1924	Red Maple	Acer rubrum	7	FAIR	BL, PROX	Y	X
1925	Flowering Dogwood	Cornus Florida	4	FAIR	SH, L, PROX	Y	X
1926	Flowering Dogwood	Cornus Florida	4	FAIR	SH, L, PROX	Y	X
1927	Red Oak	Quercus rubra	14	GOOD	GOOD	Y	X
1928	Red Oak	Quercus rubra	12	GOOD	TD, V	Y	X
1929	Red Oak	Quercus rubra	17	GOOD	GOOD	Y	X
1930	Black Oak	Quercus velutina	8	FAIR	SH, L, PRO X	Y	X
1931	Black Cherry	Prunus serotina	10	POOR	SH, TD, DW, V	Y	X
1932	Black Oak	Quercus velutina	12	FAIR	SH, DW, V, PROX	Y	X
1933	Black Cherry	Prunus serotina	6	FAIR	SH, BU, DW, V	Y	X
1934	Black Cherry	Prunus serotina	4	FAIR	SH, L, BL, V	Y	X
1935	Black Oak	Quercus velutina	22	GOOD	BU, DW, V	Y	X
1936	Black Oak	Quercus velutina	5	FAIR	SH, T D, BU, V	Y	X
1937	Black Oak	Quercus velutina	9	FAIR	BU, V	Y	X
1938	Black Oak	Quercus velutina	12, 13	FAIR	ML, SH, BU, BL, V	Y	X
1939	Black Oak	Quercus velutina	17, 16	GOOD	ML, BU, V	Y	X
1940	Black Cherry	Prunus serotina	7	FAIR	SH, L, V	Y	X
1941	Black Birch	Betula lenta	4	GOOD	PROX	Y	X
1942	Norway Spruce	Picea abies	20	POOR	DEAD, INS	Y	X
1943	Norway Spruce	Picea abies	21	GOOD	GOOD	Y	X
1944	Eastern White Cedar	Thuja occidentalis	23	POOR	SH, L, TD, DW, V	Y	X
1945	Eastern White Cedar	Thuja occidentalis	12	FAIR	DW, PROX	Y	X
1946	Eastern White Cedar	Thuja occidentalis	10	FAIR	SH, DW, BU, PROX	Y	X
1947	Eastern White Cedar	Thuja occidentalis	18	FAIR	SH, V, PEST	Y	X
1948	Eastern White Cedar	Thuja occidentalis	15	FAIR	SH, BU, V	Y	X
1949	Eastern White Cedar	Thuja occidentalis	21	FAIR	SH, V, PEST	Y	X
1950	Eastern White Cedar	Thuja occidentalis	13, 19	POOR	ML, SH, L, BU, DW, V, PEST	Y	X
1951	Norway Spruce	Picea abies	17	FAIR	SH, DW, V	Y	
1952	Eastern White Cedar	Thuja occidentalis	20	FAIR	SH, BU, DW, V	Y	
1953	Eastern White Cedar	Thuja occidentalis	12	POOR	SH, TD BU, DW, PROX	Y	
1954	Eastern White Cedar	Thuja occidentalis	21, 9	POOR	ML, TD, BU, DW, PROX, PEST	Y	
1955	Norway Spruce	Picea abies	25	FAIR	SH, DW, TD, V	Y	
1956	Norway Spruce	Picea abies	17	FAIR	SH, BU, DW, PROX	Y	
1957	Red Oak	Quercus rubra	13	GOOD	GOOD	Y	X
1958	Tulip Tree	Liriodendron tulipifera	7	GOOD	GOOD	Y	X
1959	Red Oak	Quercus rubra	14	GOOD	GOOD	Y	X
1960	Black Oak	Quercus velutina	4	FAIR	TD, BL	Y	X
1961	Black Oak	Quercus velutina	5	GOOD	GOOD	Y	X
1962	Black Oak	Quercus velutina	13	GOOD	GOOD	Y	X
1963	Eastern White Pine	Pinus strobus	21	POOR	DEAD, PEST	Y	X
1964	Eastern White Pine	Pinus strobus	9	POOR	DEAD, PEST	Y	X
1965	Shagbark Hickory	Carya ovata	6	GOOD	SH, BU, V	Y	X
1966	Black Cherry	Prunus serotina	6	GOOD	SH, L	Y	X
1967	Shagbark Hickory	Carya ovata	8	GOOD	GOOD	Y	X
1968	White Oak	Quercus alba	13	GOOD	L, TD	Y	X
1969	Shagbark Hickory	Carya ovata	17	GOOD	SH, PROX	Y	X
1970	Black Cherry	Prunus serotina	12	FAIR	DW, PEST	Y	X
1971	Black Cherry	Prunus serotina	8	POOR	SH, BU, DW	Y	X
1972	Norway Maple	Acer platanoides	11	GOOD	SH, PROX	Y	X
1973	Norway Maple	Acer platanoides	19	GOOD	L , PROX	Y	X
1974	Black Cherry	Prunus serotina	5	GOOD	SH, L	Y	X
1975	Sweet Cherry	Prunus avium	11	POOR	SH, L, BL, DW, PROX, INS	Y	X
1976	Black Cherry	Prunus serotina	9	POOR	SH, L, DC, BL, PROX	Y	X
1977	Black Cherry	Prunus serotina	8	POOR	SH, L, TD, BL, DW, PROX	Y	X
1978	Sassafras	Sassafras albidum	9	POOR	DEAD, INS	Y	X
1979	Norway Maple	Acer platanoides	13	GOOD	TD, PROX	Y	X
1980	Norway Maple	Acer platanoides	12	GOOD	GOOD	Y	X
1981	Norway Maple	Acer platanoides	7	GOOD	GOOD	Y	X
1982	Sugar Maple	Acer saccharum	8	GOOD	GOOD	Y	X
1983	Red Maple	Acer rubrum	7	GOOD	V	Y	X
1984	Black Birch	Betula lenta	16	GOOD	BU, DW, PROX	Y	X
1985	Pignut Hickory	Carya glabra	4	GOOD	GOOD	Y	X
1986	Flowering Dogwood	Cornus Florida	4	FAIR	SH, BL, V	Y	X
1987	Flowering Dogwood	Cornus Florida	4	GOOD	SH, PROX	Y	X
1988	Pignut Hickory	Carya glabra	8	GOOD	GOOD	Y	X
1989	White Ash	Fraxinus americana	11	GOOD	GOOD	Y	X
1990	Norway Maple	Acer platanoides	18	GOOD	GOOD	Y	X
1991	Red Maple	Acer rubrum	5	FAIR	SH, L, TD	Y	X
1992	Red Maple	Acer rubrum	11	GOOD	PROX	Y	X
1993	White Ash	Fraxinus americana	10	GOOD	SH, PROX	Y	X
1994	White Ash	Fraxinus americana	10	GOOD	SH, PROX	Y	X
1995	Red Maple	Acer rubrum	8	FAIR	TD	Y	X
1996	White Ash	Fraxinus americana	6	FAIR	SH, PROX	Y	X
1997	Red Maple	Acer rubrum	12	GOOD	SH, L, BU	Y	X
1998	Red Maple	Acer rubrum	10	GOOD	SH, BU	Y	
1999	Eastern White Cedar	Thuja occidentalis	6	POOR	DEAD, INS	Y	X
2000	Red Maple	Acer rubrum	8	GOOD	BU, V	Y	X
2001	Black Birch	Betula lenta	24	GOOD	TD	Y	X
2002	Red Maple	Acer rubrum	4	GOOD	RW	Y	X
2003	Red Maple	Acer rubrum	7	GOOD	GOOD	Y	X
2004	Red Maple	Acer rubrum	7	GOOD	BU	Y	X
2005	Norway Maple	Acer platanoides	15, 4	GOOD	ML, BU	Y	X
2006	Red Maple	Acer rubrum	4	FAIR	BL	Y	X
2007	Norway Maple	Acer platanoides	13	GOOD	GOOD	Y	X
2008	Black Cherry	Prunus serotina	12	GOOD	GOOD	Y	X

1

ADDENDUM NO .3
DATE ISSUED: 08/2023

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1	08/2023	ADDENDUM #3	SL

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CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 096828 · LICENSED PROFESSIONAL ENGINEER 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER JUSTIN RIVELLINO
PORTFOLIO MANAGER LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
TREE CLEARING TABLE
SHEET 13

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-137.01

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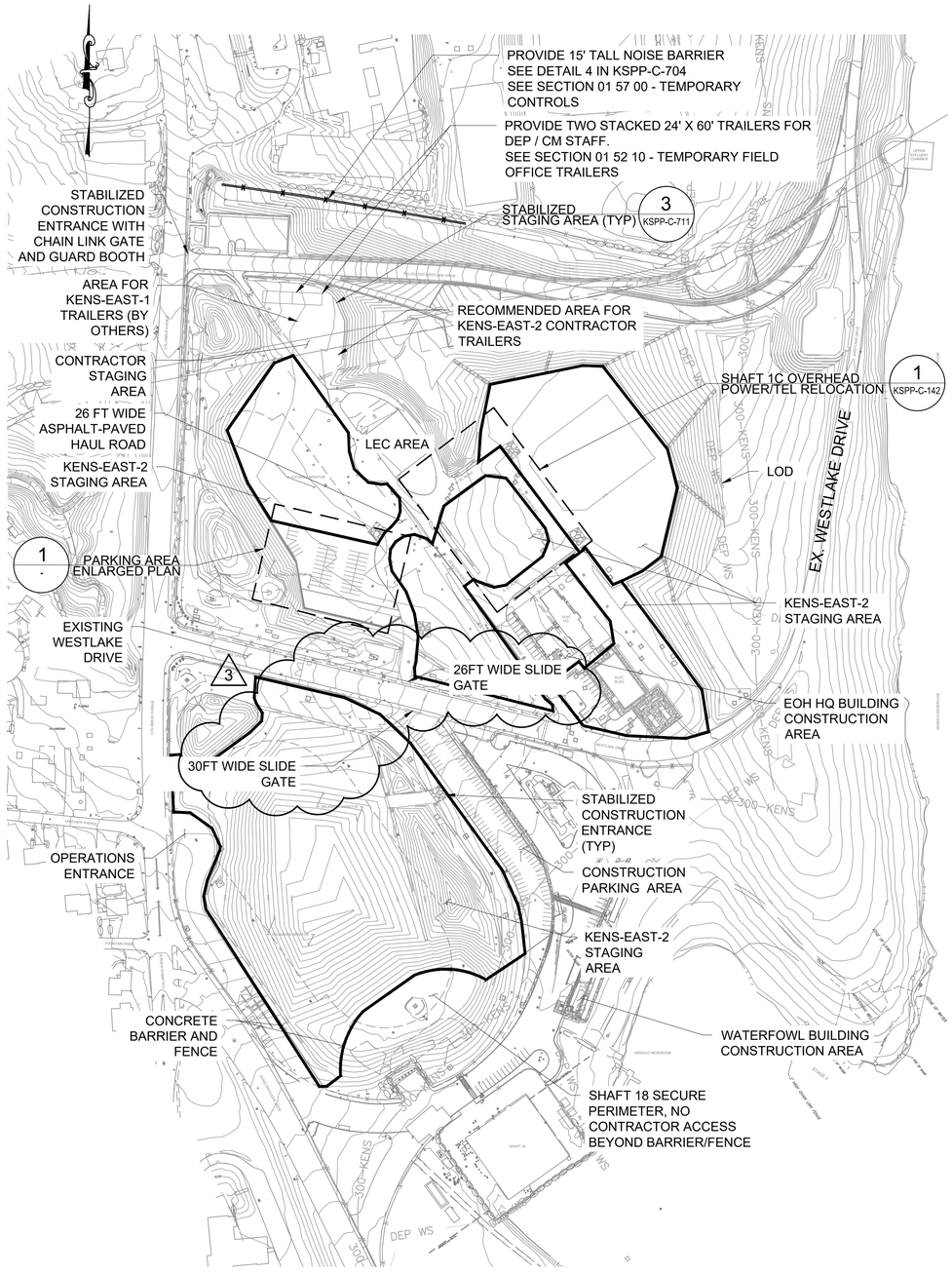
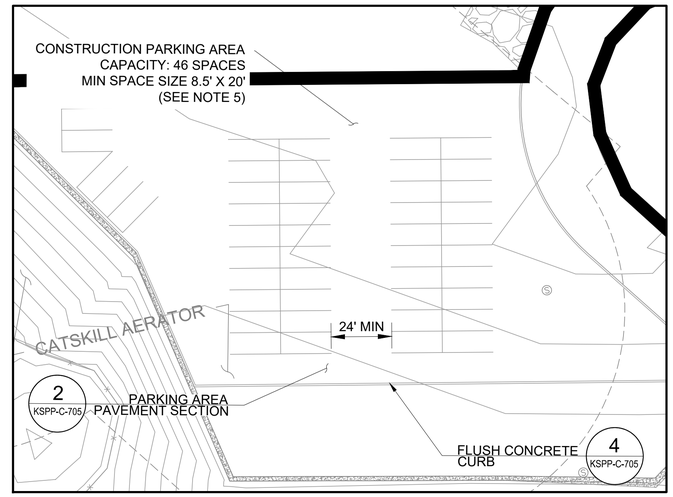


CONSTRUCTION STAGING - PLAN 1

SCALE: 1" = 150'



1 / - PARKING AREA ENLARGED PLAN

SCALE: 1' = 30'

NOTES:

1. DISTURBANCE AREA: 38.1ACRES
2. SEE KSPP-C-150 FOR CONSTRUCTION PHASING
3. THE LEC AREA SHALL ONLY BE USED BY THE CONTRACTOR FOR AERATOR ROAD CIRCULATION. THE LEC AREA SHALL NOT BE USED BY THE CONTRACTOR FOR EQUIPMENT AND/OR MATERIAL STORAGE. THE CONTRACTOR SHALL MAINTAIN DEP ACCESS TO THE LEC AREA AT ALL TIMES. SEE SECTION 01 14 00 - WORK RESTRICTIONS.
4. EXISTING WESTLAKE DRIVE SHALL NOT BE USED FOR CONTRACTOR PARKING UNTIL RELOCATED WESTLAKE DRIVE IS CONSTRUCTED, COMMISSIONED AND OPEN TO THE PUBLIC. SEE SECTION 01 14 00 - WORK RESTRICTIONS.
5. EXISTING WESTLAKE DRIVE SHALL NOT BE USED FOR STAGING OR EQUIPMENT STORAGE.
6. SUGGESTED PARKING AREA LAYOUT IS SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL ARRANGE PARKING AS SUITED FOR THEIR NEEDS AND IN COORDINATION WITH THE CM AND THE KENS-EAST-1 AND KENS-EAST-3 CONTRACTORS. PARKING LAYOUT SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW.

1"=30' 0 30 60 FT.
1"=150' 0 150 300 FT.

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	08/2023	ADDENDUM #3	SL
2	07/2023	ADDENDUM #2	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 096626 · LICENSED PROFESSIONAL ENGINEER · 9/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
CONSTRUCTION STAGING
PLAN 1

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-140.03

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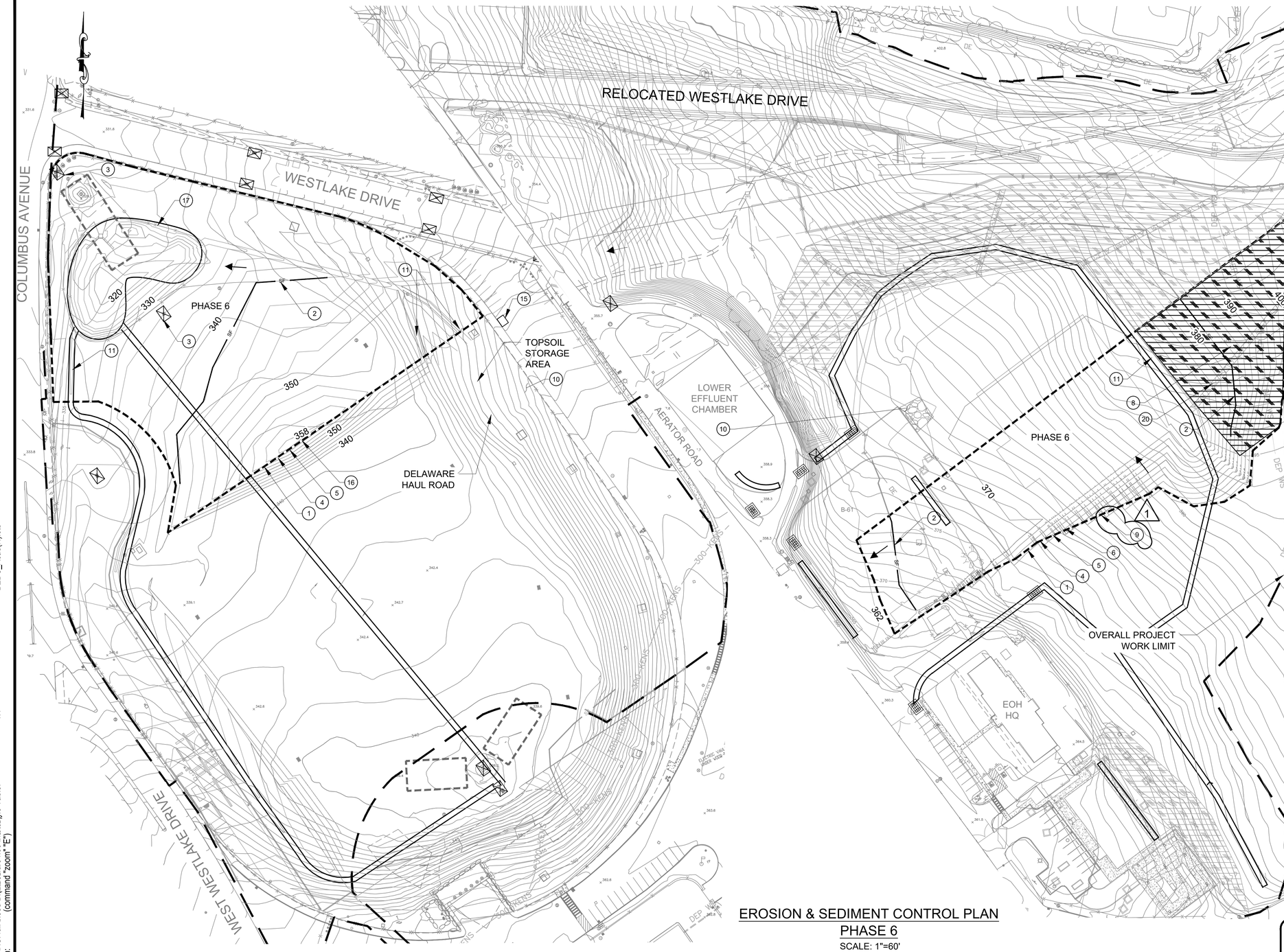

EROSION AND SEDIMENT CONTROL PRACTICE LEGEND

1. ESTABLISH LIMIT OF DISTURBANCE. CONTRACTOR TO LIMIT DISTURBANCE TO NO MORE THAN 3 ACRES AT A TIME REGARDLESS OF LOCATION.
2. INSTALL SILT FENCE PER DETAIL 1 ON DWG KSPP-C-710.
3. INSTALL INLET PROTECTION PER DETAIL 4 ON DWG KSPP-C-710.
4. INSTALL DRAINAGE PIPES AND CATCH BASINS AS SHOWN ON THE DRAINAGE PLANS WITH INLET PROTECTION PER DETAIL 4 ON DWG KSPP-C-710.
5. PROVIDE TREE REMOVAL, CLEARING AND GRUBBING.
6. MASS EXCAVATION OF SCREEN CHAMBER AREA.
7. GRADE CATSKILL STAGING AREA.
8. INSTALL EROSION CONTROL MATTING FOR DISTURBED AREAS PER DETAIL 2 ON DWG KSPP-C-712.
9. INSTALL UTILITIES (PARTIALLY) PER UTILITY PLAN.
10. INSTALL CONSTRUCTION ENTRANCE PER DETAIL 2 ON DWG KSPP-C-711.
11. CONSTRUCT VEGETATED SWALE PER DETAIL 1 ON DWG KSPP-C-721.
12. CONSTRUCT RELOCATED WESTLAKE DRIVE POND PER DETAILS ON DWG KSPP-C-730.
13. MASS EXCAVATION OF RELOCATED WESTLAKE DRIVE (EAST).
14. CONSTRUCT CATSKILL POND PER DETAILS ON DWG KSPP-C-732.
15. PROVIDE TRUCK WASH AND CONCRETE TRUCK WASH IN ACCORDANCE WITH THE NYSDEC BLUE BOOK.
16. GRADE DELAWARE AREA AND CONSTRUCT OPERATIONS ENTRANCE ROAD. CONTRACTOR TO TURN OVER CONTROL TO OPERATIONS AFTER COMPLETION AND INSTALLATION OF JERSEY BARRIERS.
17. CONSTRUCT DELAWARE POND PER DETAILS ON DWG KSPP-C-734.
18. CONSTRUCT BIORETENTION FACILITY PER DETAILS ON DWG KSPP-C-725.
19. MASS EXCAVATION OF ELECTRICAL BUILDING.
20. CONSTRUCT GRAVEL SWALE PER DETAIL 2 ON DWG KSPP-C-721.

LEGEND

- PHASE LIMITS
- OVERALL PROJECT LIMIT
- SILT FENCE (650-FT) — SF —
- INLET PROTECTION
- FLOW LINE
- EROSION CONTROL MATTING

CONTRACTOR SHALL CONDUCT EARTHWORK CONSTRUCTION FOR EACH PHASE AS FOLLOWS:

1. CLEAN AND GRUB THE AREA OF EACH PHASE.
2. REMOVE AND STOCKPILE 12" TOPSOIL FOR REUSE.
3. PERFORM EARTHWORK AND GRADING OPERATIONS PER THE GRADING SHOWN FOR EACH PHASE.
4. INSTALL PLANTINGS AS SHOWN IN KSPP-L DRAWINGS.

EROSION & SEDIMENT CONTROL PLAN
PHASE 6
SCALE: 1"=60'

0 60 120 FT.
1"=60'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 098626 · LICENSED PROFESSIONAL ENGINEER · 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SOIL EROSION & SEDIMENT CONTROL PLAN
PHASE 6

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-157.01

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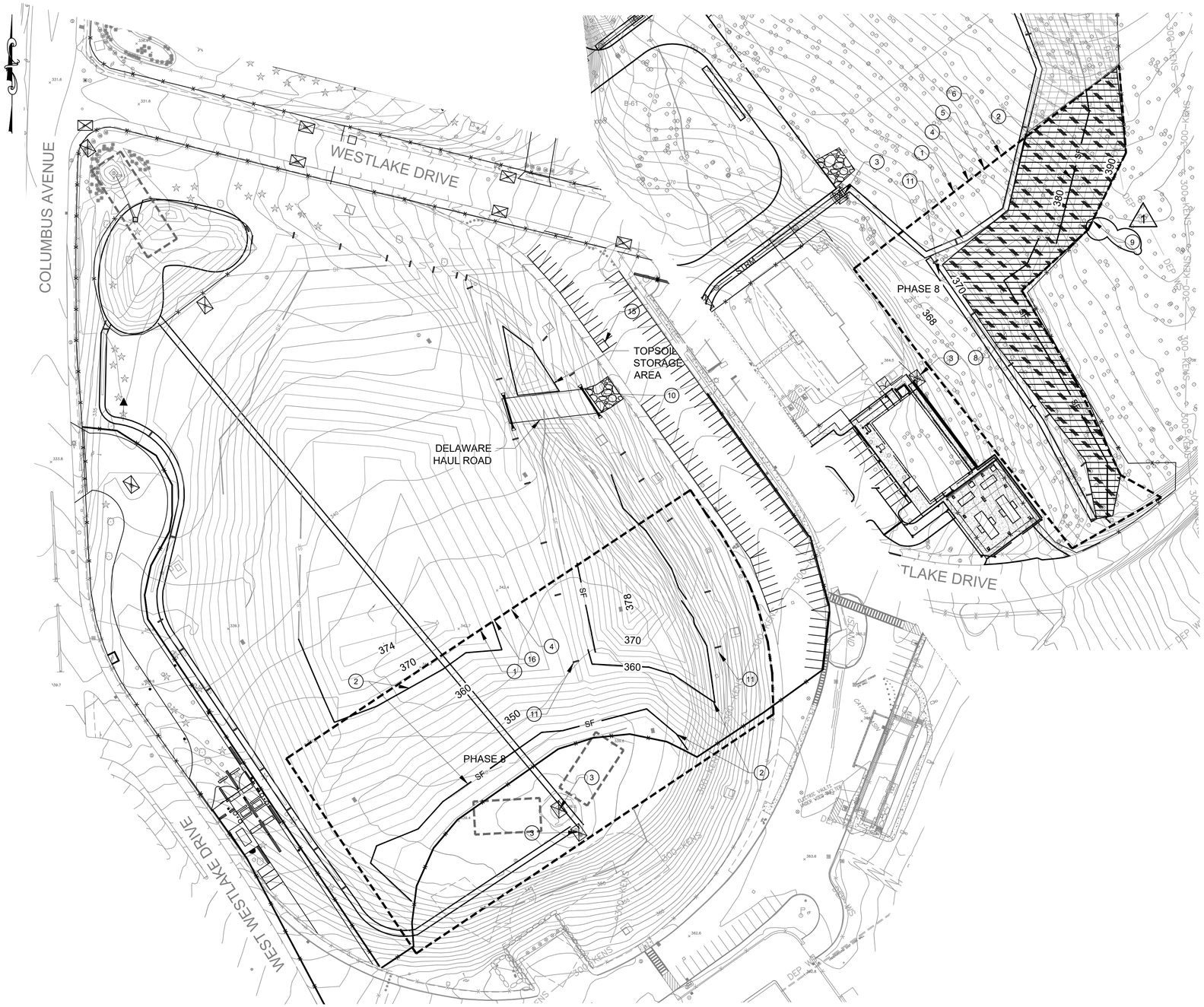

EROSION AND SEDIMENT CONTROL PRACTICE LEGEND

1. ESTABLISH LIMIT OF DISTURBANCE. CONTRACTOR TO LIMIT DISTURBANCE TO NO MORE THAN 3 ACRES AT A TIME REGARDLESS OF LOCATION.
2. INSTALL SILT FENCE PER DETAIL 1 ON DWG KSPP-C-710.
3. INSTALL INLET PROTECTION PER DETAIL 4 ON DWG KSPP-C-710.
4. INSTALL DRAINAGE PIPES AND CATCH BASINS AS SHOWN ON THE DRAINAGE PLANS WITH INLET PROTECTION PER DETAIL 4 ON DWG KSPP-C-710.
5. PROVIDE TREE REMOVAL, CLEARING AND GRUBBING.
6. MASS EXCAVATION OF SCREEN CHAMBER AREA.
7. GRADE CATSKILL STAGING AREA.
8. INSTALL EROSION CONTROL MATTING FOR DISTURBED AREAS PER DETAIL 2 ON DWG KSPP-C-712.
9. INSTALL UTILITIES (PARTIALLY) PER UTILITY PLAN.
10. INSTALL CONSTRUCTION ENTRANCE PER DETAIL 2 ON DWG KSPP-C-711.
11. CONSTRUCT VEGETATED SWALE PER DETAIL 1 ON DWG KSPP-C-721.
12. CONSTRUCT RELOCATED WESTLAKE DRIVE POND PER DETAILS ON DWG KSPP-C-730.
13. MASS EXCAVATION OF RELOCATED WESTLAKE DRIVE.
14. CONSTRUCT CATSKILL POND PER DETAILS ON DWG KSPP-C-732.
15. PROVIDE TRUCK WASH AND CONCRETE TRUCK WASH IN ACCORDANCE WITH THE NYSDEC BLUE BOOK.
16. GRADE DELAWARE AREA AND CONSTRUCT OPERATIONS ENTRANCE ROAD. CONTRACTOR TO TURN OVER CONTROL TO OPERATIONS AFTER COMPLETION AND INSTALLATION OF JERSEY BARRIERS.
17. CONSTRUCT DELAWARE POND PER DETAILS ON DWG KSPP-C-734.
18. CONSTRUCT BIORETENTION FACILITY PER DETAILS ON DWG KSPP-C-725.
19. MASS EXCAVATION OF ELECTRICAL BUILDING.
20. CONSTRUCT GRAVEL SWALE PER DETAIL 2 ON DWG KSPP-C-721.

LEGEND

- PHASE LIMITS
- OVERALL PROJECT LIMIT
- SILT FENCE (1,810-FT) — SF —
- INLET PROTECTION
- FLOW LINE
- EROSION CONTROL MATTING

CONTRACTOR SHALL CONDUCT EARTHWORK CONSTRUCTION FOR EACH PHASE AS FOLLOWS:

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2. REMOVE AND STOCKPILE 12" TOPSOIL FOR REUSE.
3. PERFORM EARTHWORK AND GRADING OPERATIONS PER THE GRADING SHOWN FOR EACH PHASE.
4. INSTALL PLANTINGS AS SHOWN IN KSPP-L DRAWINGS.

1"=60' 0 60 120 FT.

EROSION & SEDIMENT CONTROL PLAN
PHASE 8
SCALE: 1"=60'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 098626 LICENSED PROFESSIONAL ENGINEER 8/9/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SOIL EROSION & SEDIMENT CONTROL PLAN
PHASE 8

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-159.01

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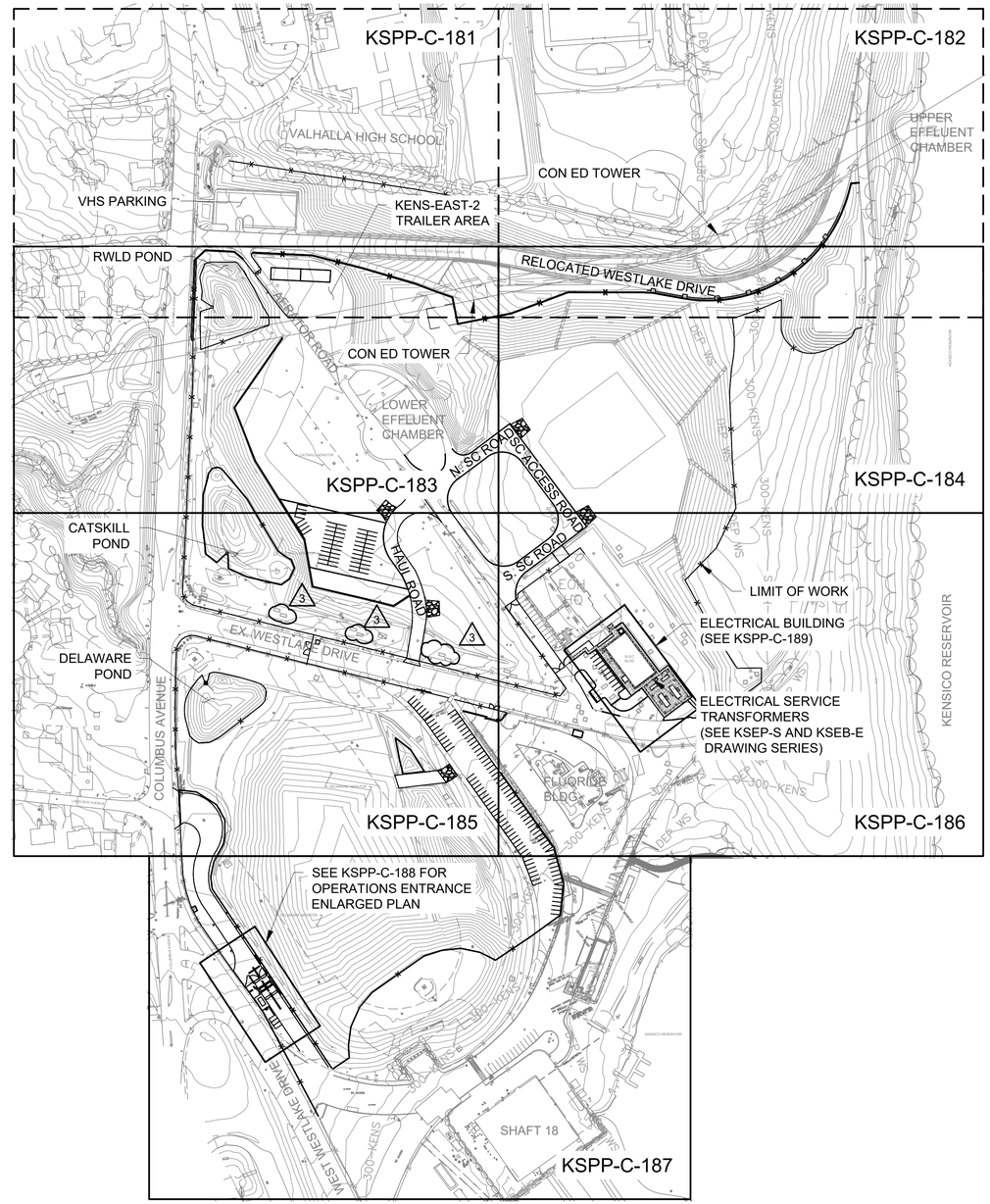

NEW SITE
OVERALL PLAN
SCALE: 1"=150'

1"=150' 0 150 300 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES
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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	08/2023	ADDENDUM #3	SL
2	07/2023	ADDENDUM #2	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 095828 · LICENSED PROFESSIONAL ENGINEER · 5/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
NEW SITE
OVERALL PLAN

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-180.03

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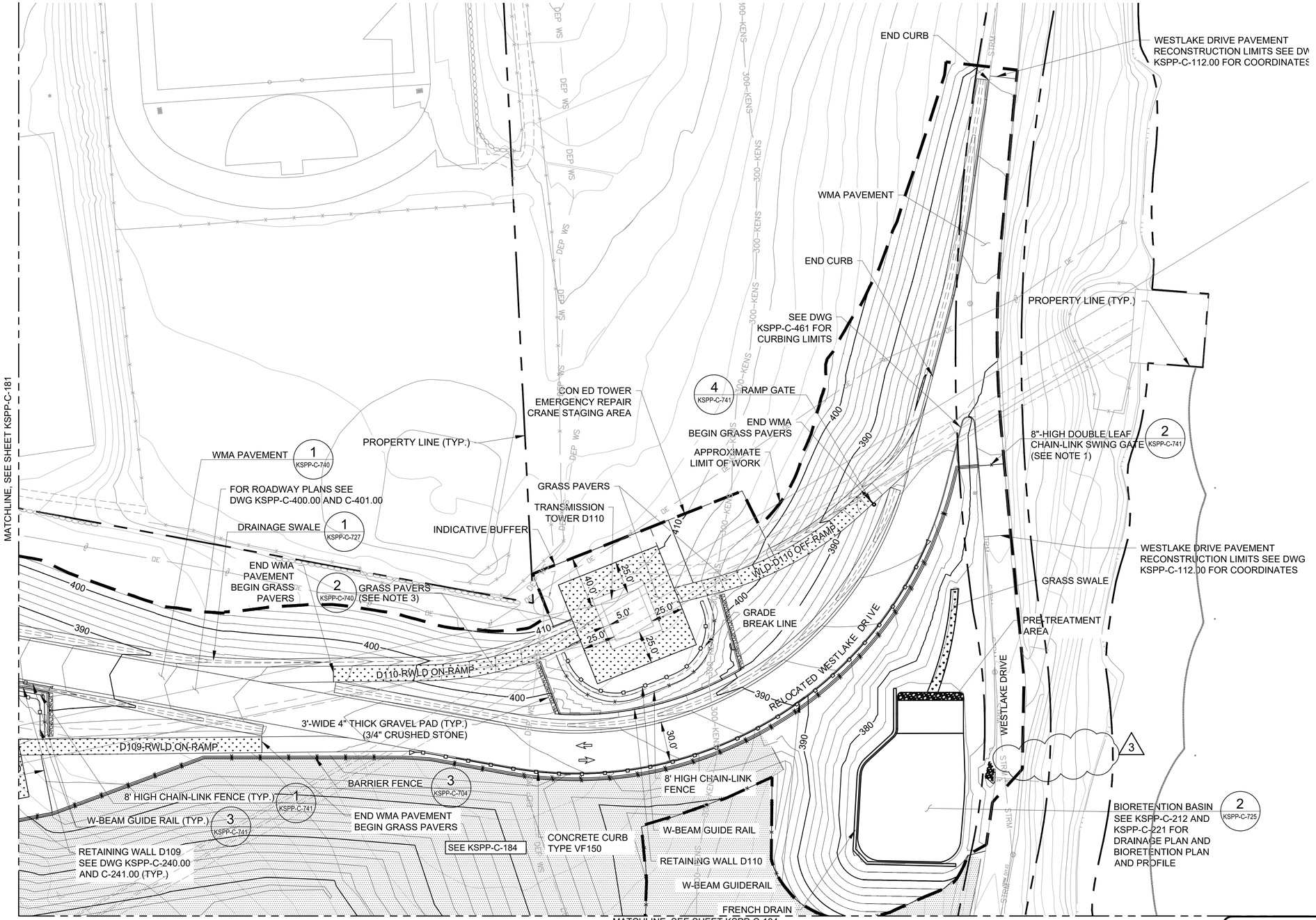
Last Saved By: Epotter

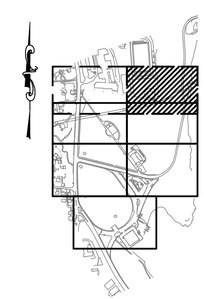


NOTES

1. EXISTING WESTLAKE DRIVE TO BE CLOSED OFF ONLY AFTER THE CONSTRUCTION OF RELOCATED WESTLAKE DRIVE IS COMPLETED.
2. PRIOR TO EXCAVATION, CONTRACTOR TO IDENTIFY, LOCATE, AND VERIFY DEPTH OF EXISTING UNDERGROUND UTILITIES.
3. GRASS PAVERS AROUND TRANSMISSION TOWERS TO BE INSTALLED WITH A MINIMUM 5 FT OFFSET FROM TOWER FOOTINGS. ANY WORK AROUND THE TOWERS TO BE COORDINATED WITH CON EDISON.

LEGEND

⇨ DIRECTION OF TRAFFIC



KEY PLAN

1"=40' 0 40 80 FT.

NEW SITE PLAN 2

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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2	7/23	ADDENDUM #2	VL
1	5/23	ADDENDUM #1	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

ARUP

STATE OF NEW YORK VINCENT LEE 087876-1 LICENSED PROFESSIONAL ENGINEER

NYC Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
NEW SITE
PLAN 2

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-182.03

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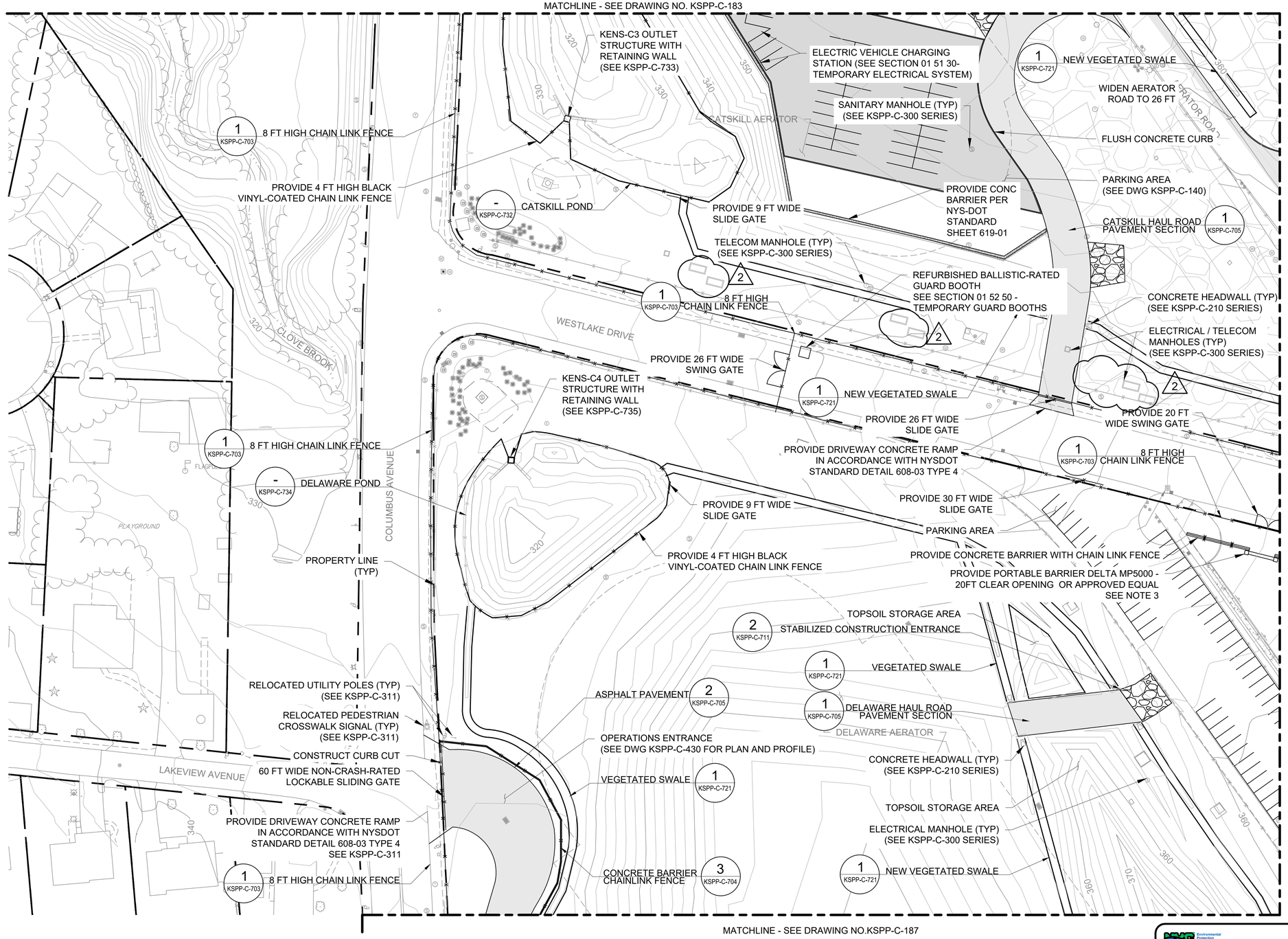
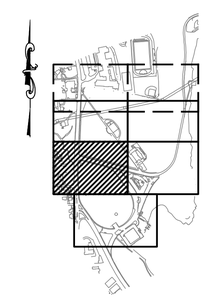


NOTES:

1. CONTRACTOR SHALL PROVIDE ANY REQUIRED ROAD PLATES AND/OR OTHER REQUIRED MEANS OF UTILITY PROTECTION FOR CONSTRUCTION TRAFFIC ACROSS WESTLAKE DRIVE.
2. AFTER RELOCATED WESTLAKE DRIVE IS COMPLETED, APPROVED AND OPEN TO THE PUBLIC, THE CONTRACTOR SHALL DISCONTINUE THE USE OF THAT CONSTRUCTION ENTRANCE AND USE EXISTING WESTLAKE DRIVE FOR CONSTRUCTION ACCESS EXCLUSIVELY.
3. PORTABLE VEHICLE BARRICADE SYSTEM SHALL BE PROVIDED BY DELTA SCIENTIFIC, MODEL MP5000 OR APPROVED EQUAL. PORTABLE BARRICADE SHALL BE 20FT CLEAR OPENING.
   - 3.1. PORTABLE BARRIER SHALL BE PROVIDED WITH STOP/GO SIGNAL LIGHT.
   - 3.2. DELIVERY, STORAGE, INSTALLATION, AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
   - 3.3. THE VEHICLE BARRICADE SHALL BE CONTROLLED FROM THE ADJACENT SECURITY BOOTH.
   - 3.4. SUBMIT FINAL EQUIPMENT AND LAYOUT TO THE ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.



KEY PLAN

1"=40' 0 40 80 FT.

NEW SITE PLAN 5

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 098626 LICENSED PROFESSIONAL ENGINEER 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
NEW SITE
PLAN 5

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-185.02

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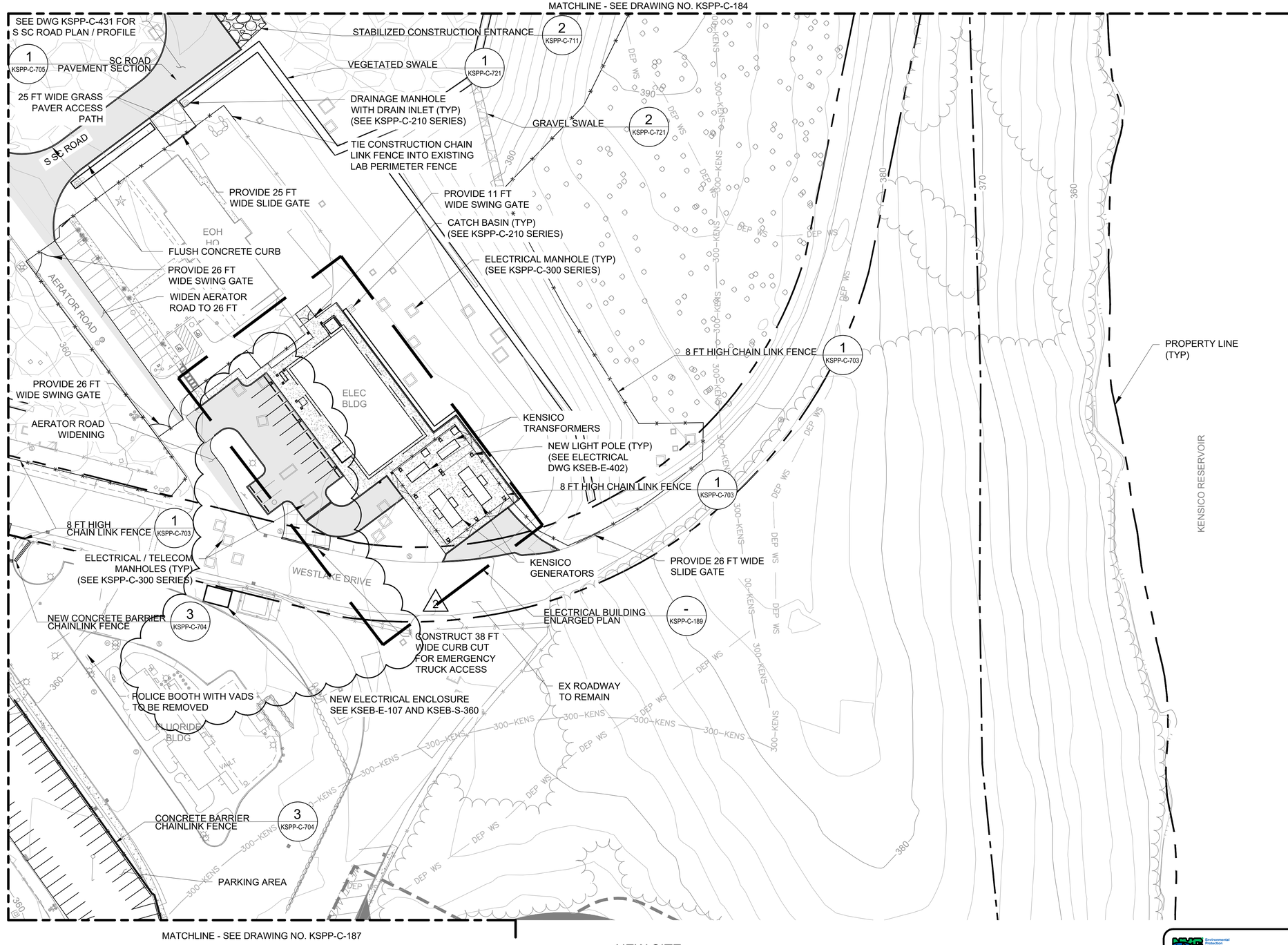
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches) Plot Scale:1:1 Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name: & Drive Location: (command "zoom" "E")

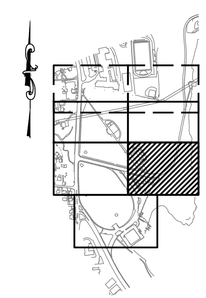


NEW SITE PLAN 6

SCALE: 1"=40'

NOTES:

1. ALL CHAIN LINK FENCE COMPONENTS FOR TRANSFORMER ENCLOSURE SHALL BE BLACK VINYL COATED.
2. REFER TO DETAILED SPECIFICATION 31 31 13 - CHAIN LINK FENCES AND GATES.



KEY PLAN

1"=40' 0 40 80 FT.

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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VERTICAL DATUM CONVERSION (ft) +1.28 BWS 0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 2000826 LICENSED PROFESSIONAL ENGINEER 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
NEW SITE
PLAN 6

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-186.02

Last Saved By: Epotter Last Date Saved: 8/14/2023 11:08 AM Date & Time Plotted: 8/14/2023 1:39 PM
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Drawing File Name & Drive Location: (command "zoom" "E")

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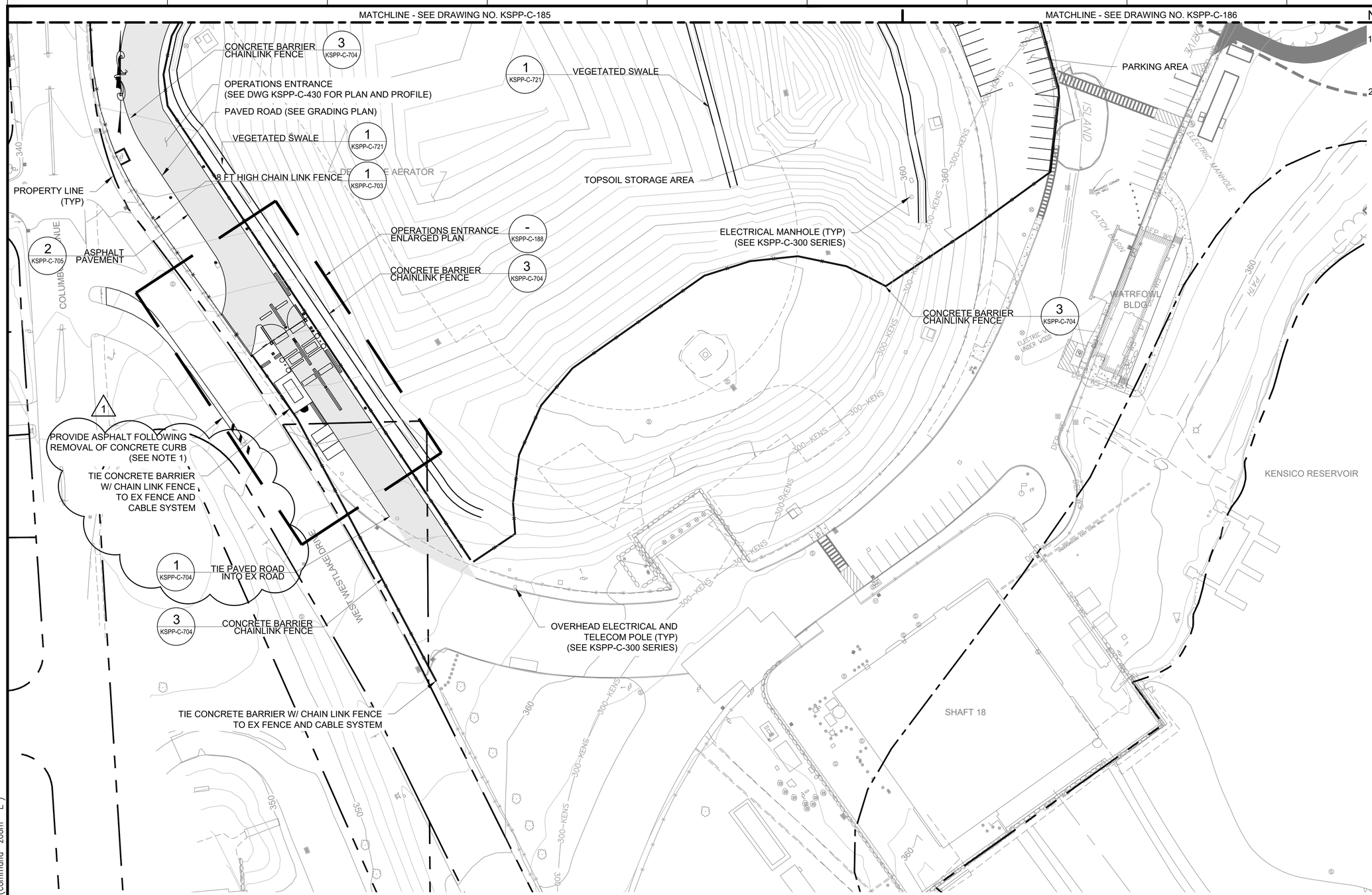

NOTES:

1. COORDINATE REMOVAL OF CONCRETE BARRIER AND INSTALLATION OF ASPHALT PAVEMENT WITH TOMP. SEE ASPHALT PAVEMENT SPECIFICATION.
2. CONTRACTOR SHALL MAINTAIN EQUAL OR SUPERIOR INTERDICTION CAPABILITY DURING EXISTING FENCE REMOVAL AND NEW FENCE CONSTRUCTION. CONTRACTOR SHALL SUBMIT A TEMPORARY SECURITY PLAN FOR COORDINATION WITH BPS AND SHALL OBTAIN THE ENGINEER'S APPROVAL. TEMPORARY SECURITY SHALL CONSIST OF CONCRETE-BARRIER-MOUNTED CHAINLINK FENCE INTERDICTION OR APPROVED EQUAL.

KEY PLAN

1"=40' 0 40 80 FT.

NEW SITE
PLAN 7
SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK SEBASTIAN LOPEZ 098626 LICENSED PROFESSIONAL ENGINEER 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
NEW SITE
PARTIAL PLAN 7

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-187.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Epotter Last Date Saved: 8/2/2023 10:22 AM Date & Time Plotted: 8/2/2023 10:31 AM
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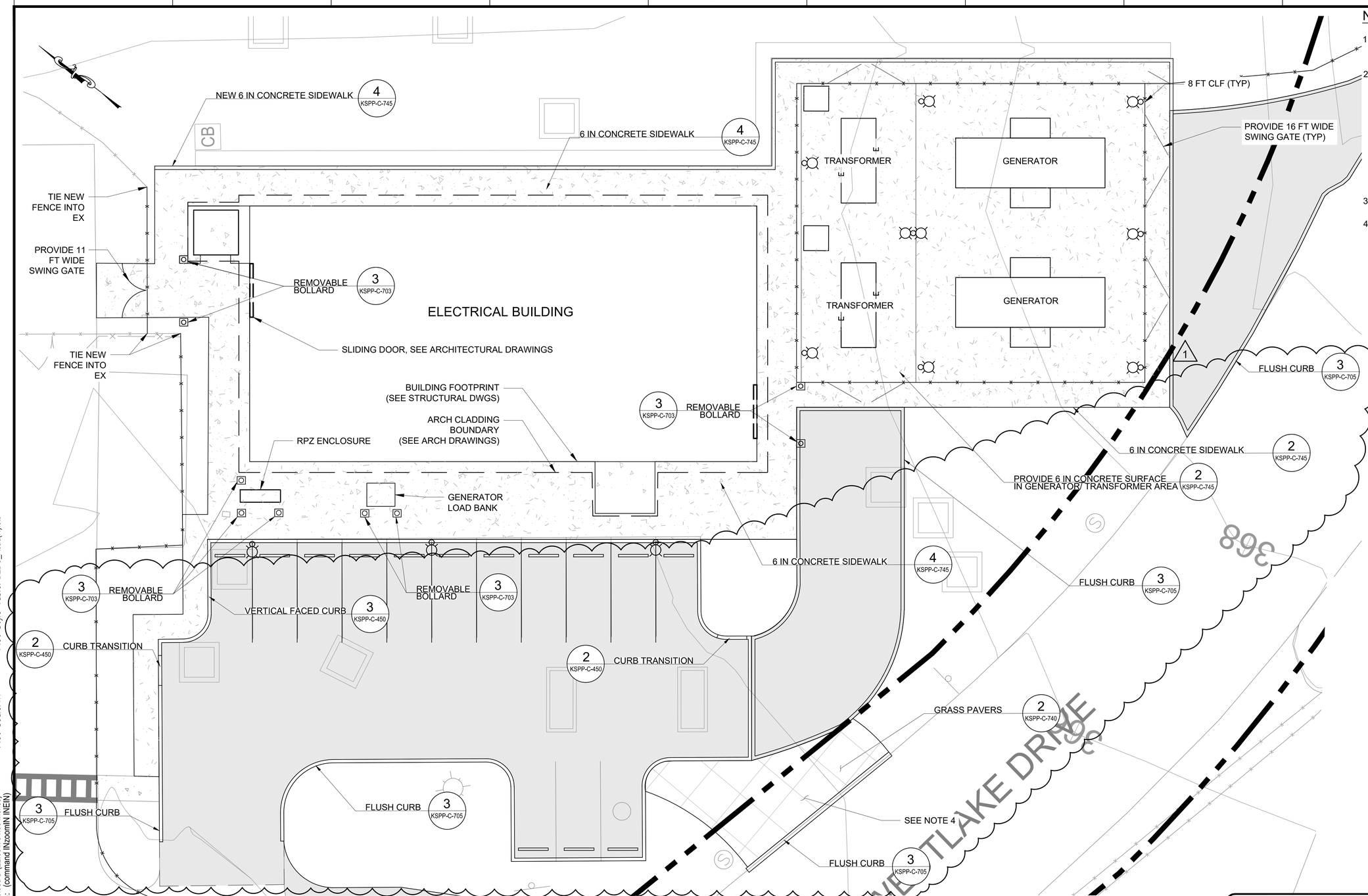
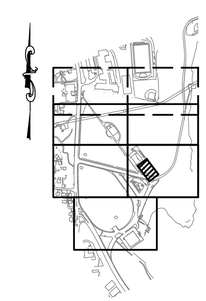
Drawing File Name & Drive Location: (command "zoom" "E")



NEW SITE
ELECTRICAL BUILDING PLAN
SCALE: 1"=10'

NOTES:

1. CONTRACTOR SHALL COORDINATE FENCE POST LOCATIONS WITH ELECTRICAL DUCTBANKS, SEE KSPP-C-309.
2. PROVIDE 8 FT HIGH BLACK VINYL COATED CHAINLINK FENCE IN ACCORDANCE WITH NYSDOT STANDARD DETAIL 607-04.
   - 2.1. CHAINLINK FENCE POST SPACING SHALL BE A MAXIMUM 5FT APART.
   - 2.2. CHAINLINK FENCE POST SHALL BE A MIN 2-7/8IN OUTER DIAMETER, AS PER NYSDOT STANDARD DETAIL.
   - 2.3. CHAINLINK FENCE POST FOUNDATION SHALL BE 12 IN DIAMETER BY 3 FT - 6 IN DEPTH WITH THE POST EMBEDDED 3 FT.
3. CHAINLINK FENCE GATES SHALL BE PER NYSDOT STANDARD DETAIL 607-06.
4. GRASS PAVER AREA SHOWN DOES NOT REQUIRE UNDERDRAIN. SEE KSPP-C-218 FOR ELECTRICAL BUILDING UNDERDRAIN LAYOUT.



KEY PLAN

1"=10' 0 10 20 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099826 · LICENSED PROFESSIONAL ENGINEER · 8/9/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
NEW SITE
ELECTRICAL BUILDING PLAN

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-189.01

Last Saved By: SLopez
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches)
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Plot Style Table: BEDC_Acad(N).ctb

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NOTES:

1. CONTRACTOR SHALL RAISE/LOWER MANHOLE AND HANDHOLE ELEVATIONS TO MAINTAIN ACCESS/OPERABILITY OF EXISTING KENSICO SITE UTILITIES

GRADING
OVERALL PLAN
SCALE: 1"=150'

1"=150' 0 150 300 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	08/2023	ADDENDUM #3	SL
2	07/2023	ADDENDUM #2	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 098626 · LICENSED PROFESSIONAL ENGINEER · 5/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
GRADING
OVERALL PLAN

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-200.03

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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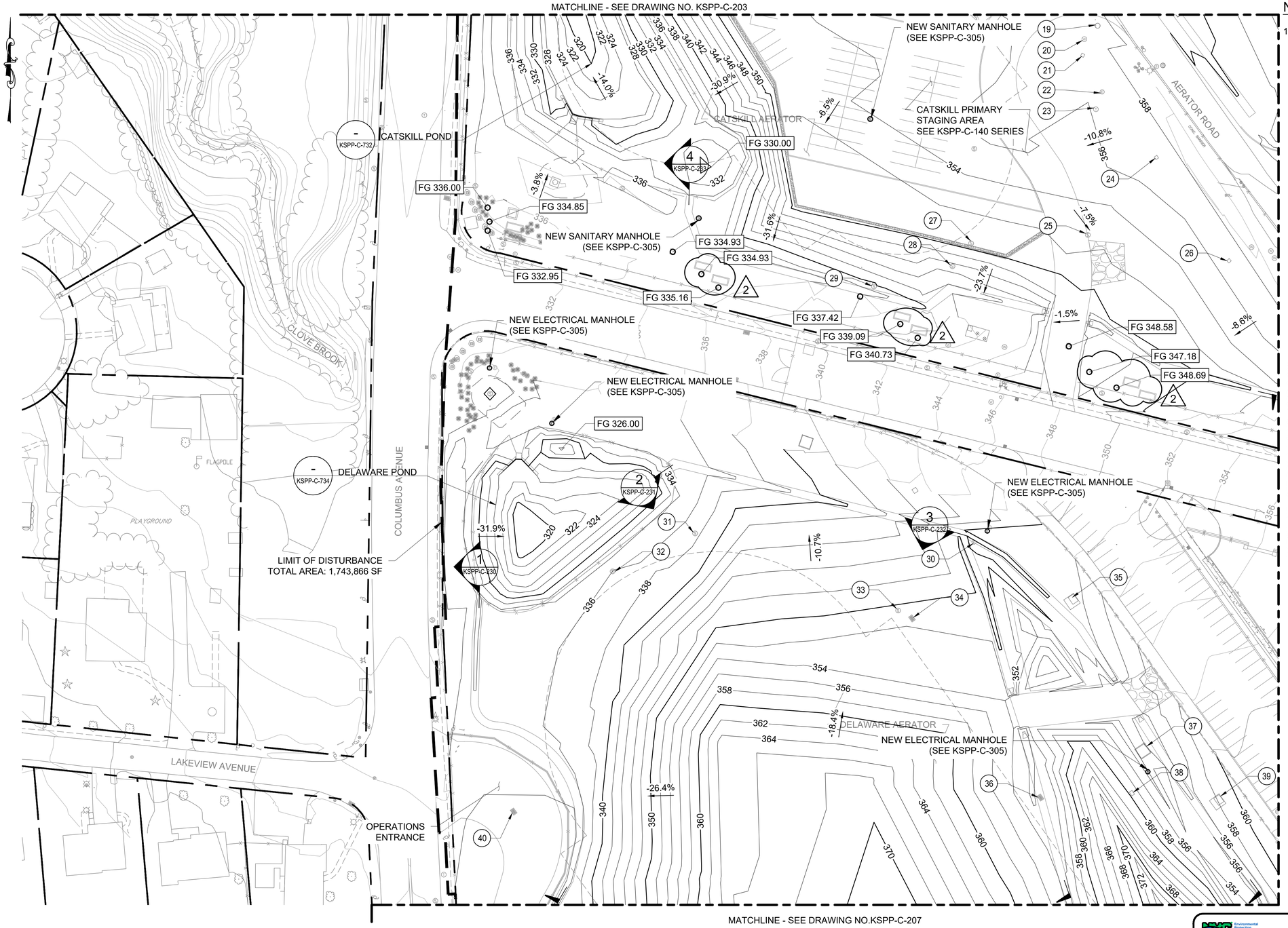


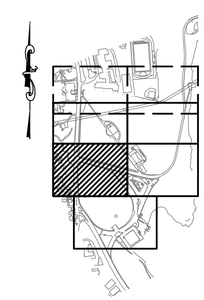
GRADING
PLAN 5
SCALE: 1"=40'

NOTE:

1. PROPOSED MANHOLE COVERS SHALL BE FLUSH WITH FINISHED GRADE. MANHOLE CENTER ELEVATIONS PROVIDED. MANHOLE COVER ELEVATIONS SHALL BE ADJUSTED AS REQUIRED BY SITE GRADING.

STRUCTURE ADJUSTMENT MATRIX

MH ID #	DESCRIPTION	UTILITY NAME	EX. RIM EL. (FT.)	NEW RIM EL. (FT.)
19	RECORD MH - UNABLE TO RECOVER	STORM	356.5	357.7
20	MH-DWS-197	FL	353.3	ABANDON IN PLACE
21	STEEL COVER - 196	E OR FL	351.1	ABANDON IN PLACE
22	MHE - 195	ELEC	350.2	357.3
23	TEL MH - 194	TELECOM	348.7	ABANDON IN PLACE
24	STEEL COVER - 193	FL	352.2	ABANDON IN PLACE
25	BWS MH - 217	SAN	344.0	ABANDON IN PLACE
26	STEEL COVER - 196	FL	353.7	ABANDON IN PLACE
27	BWS OVERFLOW MH - 188	STORM	339.2	ABANDON IN PLACE
28	BWS MH - 189	SAN	338.4	ABANDON IN PLACE
29	RECORD MH - UNABLE TO RECOVER	SAN	337.0	ABANDON IN PLACE
30	MHE - 298	ELEC	344.4	ABANDON IN PLACE
31	MH - 320	STORM	336.1	ABANDON IN PLACE
32	SEWER MH - 321	STORM	336.0	PROTECT IN PLACE
33	MH - 296	STORM	337.4	ABANDON IN PLACE
34	CB - 323	STORM	337.7	ABANDON IN PLACE
35	CONC VAULT - 299	CL	351.0	PROTECT IN PLACE
36	CB - 302	STORM	340.9	ABANDON IN PLACE
37	CONC VAULT - 300	CL	351.5	PROTECT IN PLACE
38	ELEC BOX - 301	ELEC	347.1	ABANDON IN PLACE
39	CONC VAULT - 303	CL	359.1	PROTECT IN PLACE
40	CB-322	STORM	336.2	PROTECT IN PLACE



KEY PLAN

1"=40' 0 40 80 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE
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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099828 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
GRADING
PLAN 5

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-205.02

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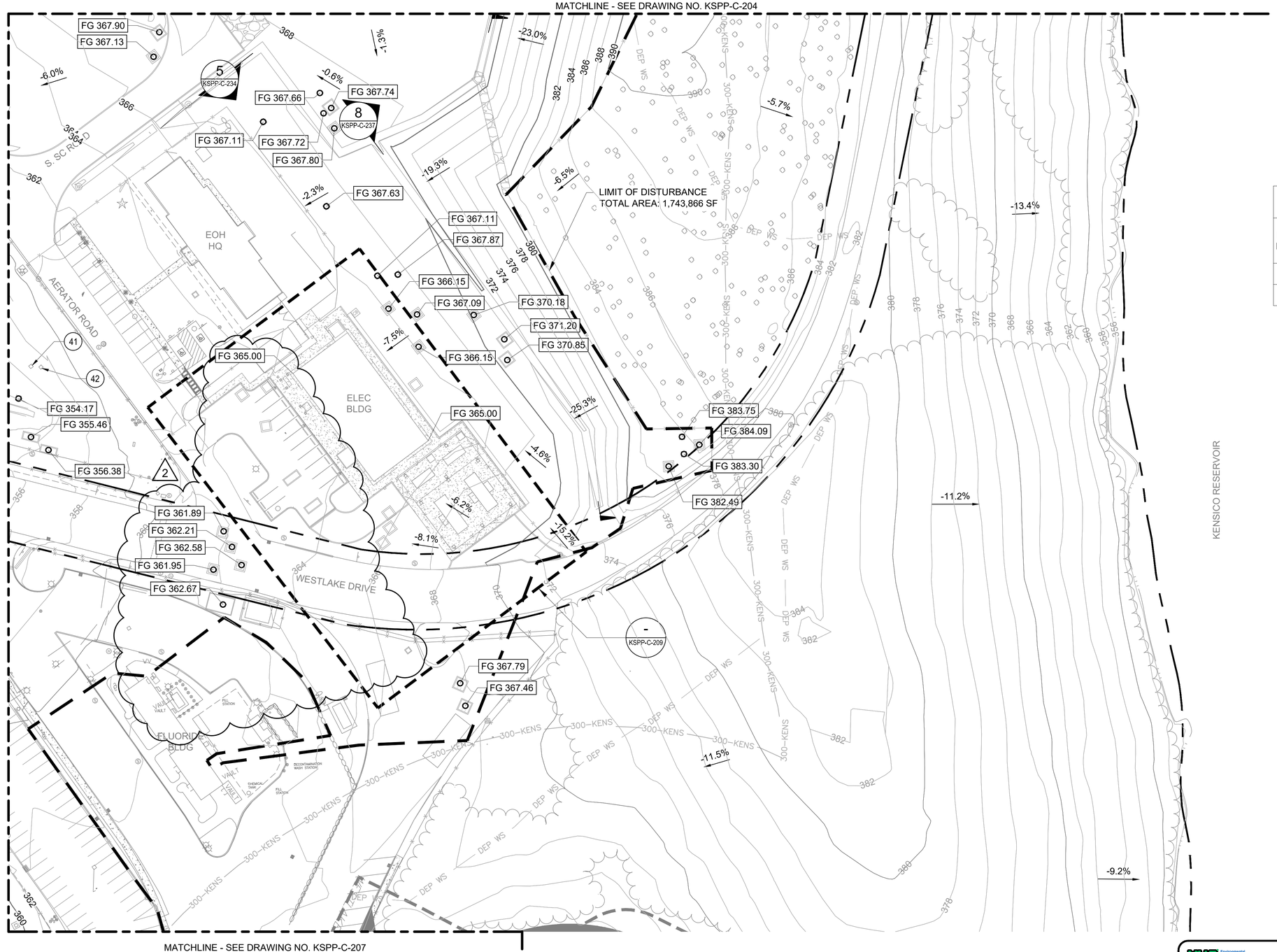
Drawing File Name & Drive Location: (command "zoom","E")

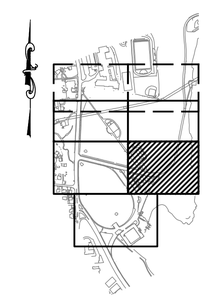


NOTE:

1. PROPOSED MANHOLE COVERS SHALL BE FLUSH WITH FINISHED GRADE. MANHOLE CENTER ELEVATIONS PROVIDED. MANHOLE COVER ELEVATIONS SHALL BE ADJUSTED AS REQUIRED BY SITE GRADING.

STRUCTURE ADJUSTMENT MATRIX

MH ID #	DESCRIPTION	UTILITY NAME	EXISTING RIM EL. (FT.)	REVISED RIM EL. (FT.)
41	STEEL COVER - 190	FL	356.0	ABANDON IN PLACE
42	STEEL COVER - 191	FL	356.8	ABANDON IN PLACE



KEY PLAN

1"=40' 0 40 80 FT.

GRADING PLAN 6

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 2006826 LICENSED PROFESSIONAL ENGINEER 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
GRADING
PLAN 6

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-206.02

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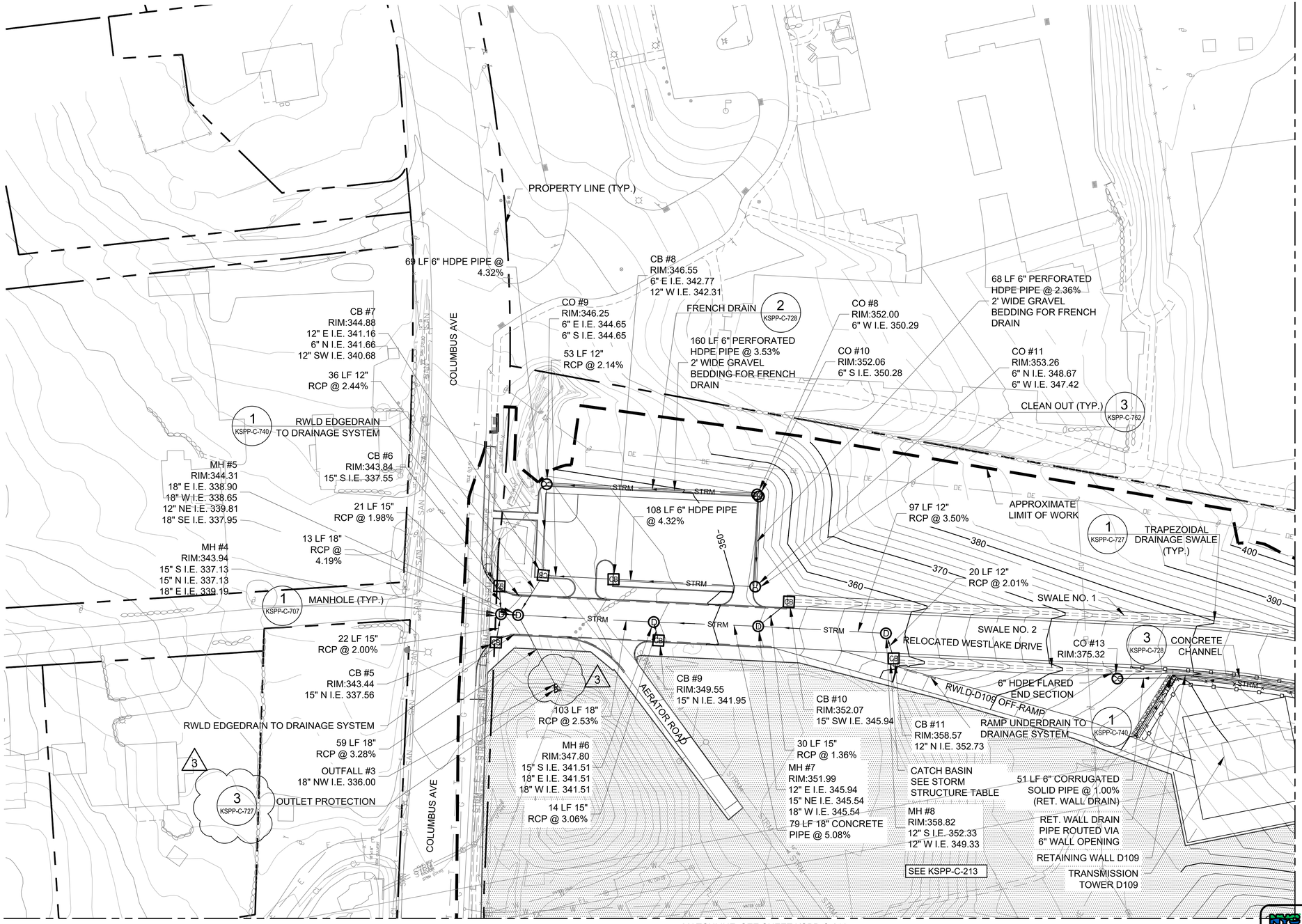
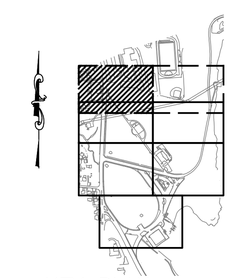


STORM STRUCTURE TABLE

NUMBER	NORTHING	EASTING	REFERENCE
CB #5	822824.03	691368.42	KSPP-C-709, 1
CB #6	822866.68	691371.05	KSPP-C-709, 1
CB #7	822874.84	691404.24	KSPP-C-709, 1
CB #8	822871.87	691457.62	KSPP-C-709, 1
CB #9	822825.50	691491.65	KSPP-C-709, 1
CB #10	822854.78	691590.59	KSPP-C-709, 2 WITH STORMRAX PEAK GRATE OR APPROVED EQUAL
CB #11	822811.88	691670.07	KSPP-C-709, 2 WITH STORMRAX PEAK GRATE OR APPROVED EQUAL
CO #8	822936.17	691566.42	KSPP-C-762, 3
CO #9	822943.94	691406.94	KSPP-C-762, 3
CO #10	822934.60	691567.77	KSPP-C-762, 3
CO #11	822866.22	691564.99	KSPP-C-762, 3
CO #13	822796.53	691839.68	KSPP-C-762, 3
MH #4	822845.34	691372.28	KSPP-C-707, 1
MH #5	822844.71	691385.15	KSPP-C-707, 1
MH #6	822839.40	691488.06	KSPP-C-707, 1
MH #7	822836.22	691567.26	KSPP-C-707, 1
MH #8	822830.84	691664.08	KSPP-C-707, 1
OUTFALL #3	822792.35	691413.21	KSPP-C-727, 3

3



1"=40' 0 40 80 FT.

MATCHLINE, SEE SHEET KSPP-C-213

DRAINAGE PLAN 1

SCALE: 1"=40'-0"

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE
IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	8/23	ADDENDUM #3	VL
2	7/23	ADDENDUM #2	VL
1	5/23	ADDENDUM #1	VL

DESIGNED BY: DH
CHECKED BY: VL
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

ARUP

STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
DRAINAGE
PLAN 1

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-211.03

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Ekaterina.Frolova Date Saved: 8/10/2023 4:21 PM Date & Time Plotted: 8/10/2023 4:23 PM
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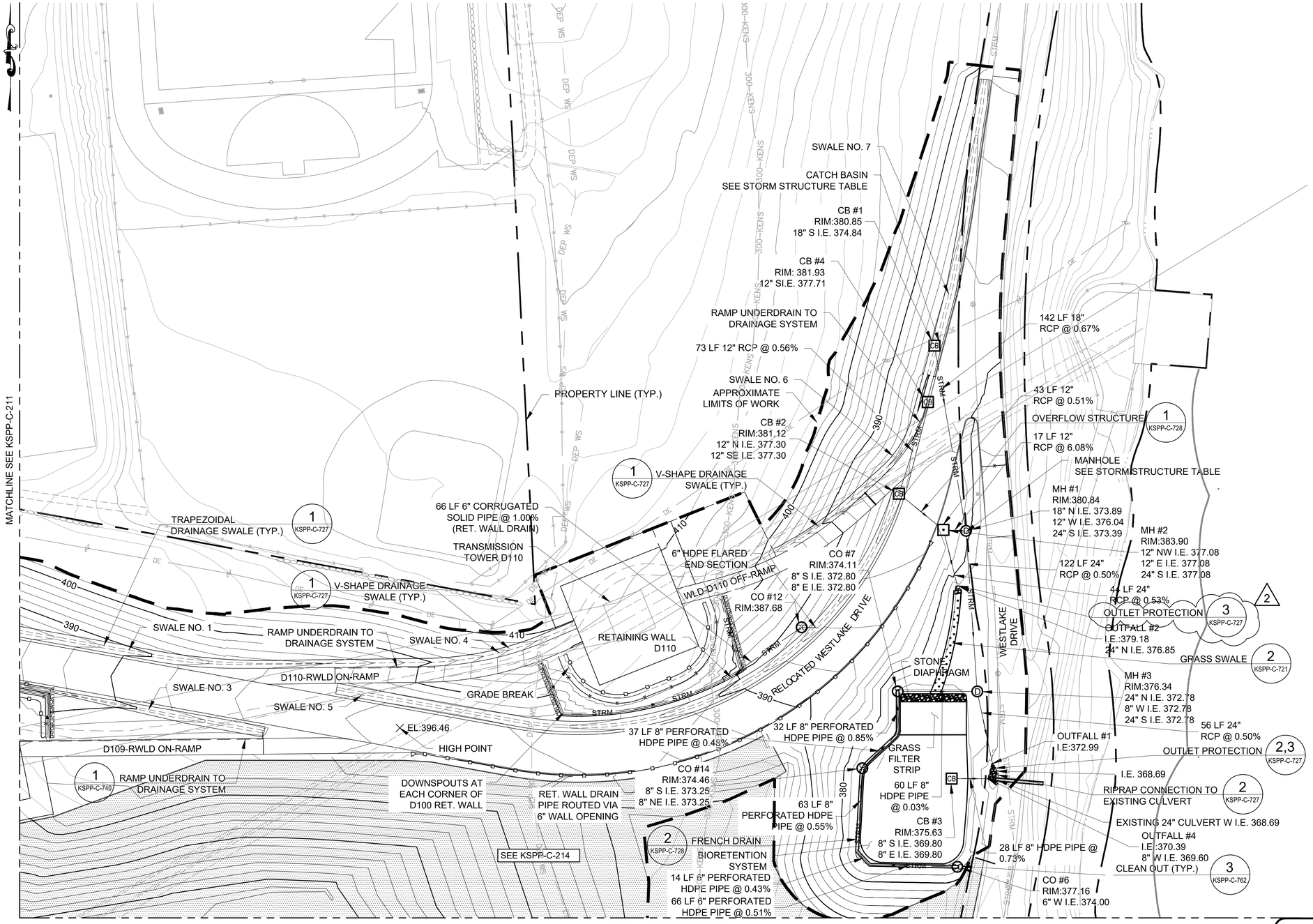


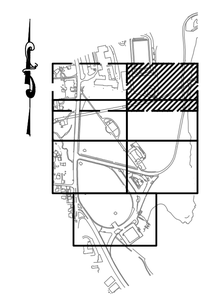
DRAINAGE PLAN 2

SCALE: 1"=40'

STORM STRUCTURE TABLE

NUMBER	NORTHING	EASTING	REFERENCE
CB #1	823047.94	692667.03	KSPP-C-709, 2 WITH STORMRAX PEAK GRATE OR APPROVED EQUAL
CB #2	822935.80	692640.13	KSPP-C-709, 2 WITH STORMRAX PEAK GRATE OR APPROVED EQUAL
CB #3	822720.15	692680.00	KSPP-C-709, 2 WITH STORMRAX PEAK GRATE OR APPROVED EQUAL
CB #4	823005.25	692662.01	KSPP-C-709, 2 WITH STORMRAX PEAK GRATE OR APPROVED EQUAL
CO #6	822653.34	692684.31	KSPP-C-762, 3
CO #7	822786.22	692639.11	KSPP-C-762, 3
CO #12	822834.71	692566.38	KSPP-C-762, 3
CO #14	822728.03	692612.30	KSPP-C-762, 3
MH #1	822907.66	692690.84	KSPP-C-707, 1
MH #2	822908.45	692673.75	KSPP-C-707, 1
MH #3	822786.14	692699.36	KSPP-C-728, 1
OUTFALL #1	822731.53	692710.90	KSPP-C-727, 2, 3
OUTFALL #2	822866.08	692684.29	KSPP-C-727, 3
OUTFALL #4	822720.10	692707.53	KSPP-C-727, 2

2



KEY PLAN

1"=40' 0 40 80 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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VERTICAL DATUM CONVERSION (ft)
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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	8/23	ADDENDUM #3	VL
1	5/23	ADDENDUM #1	VL

DESIGNED BY: DH
CHECKED BY: VL
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

ARUP

STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
DRAINAGE
PLAN 2

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-212.02

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Ekaterina.Frolova Date Saved: 8/10/2023 4:26 PM Date & Time Plotted: 8/10/2023 4:28 PM
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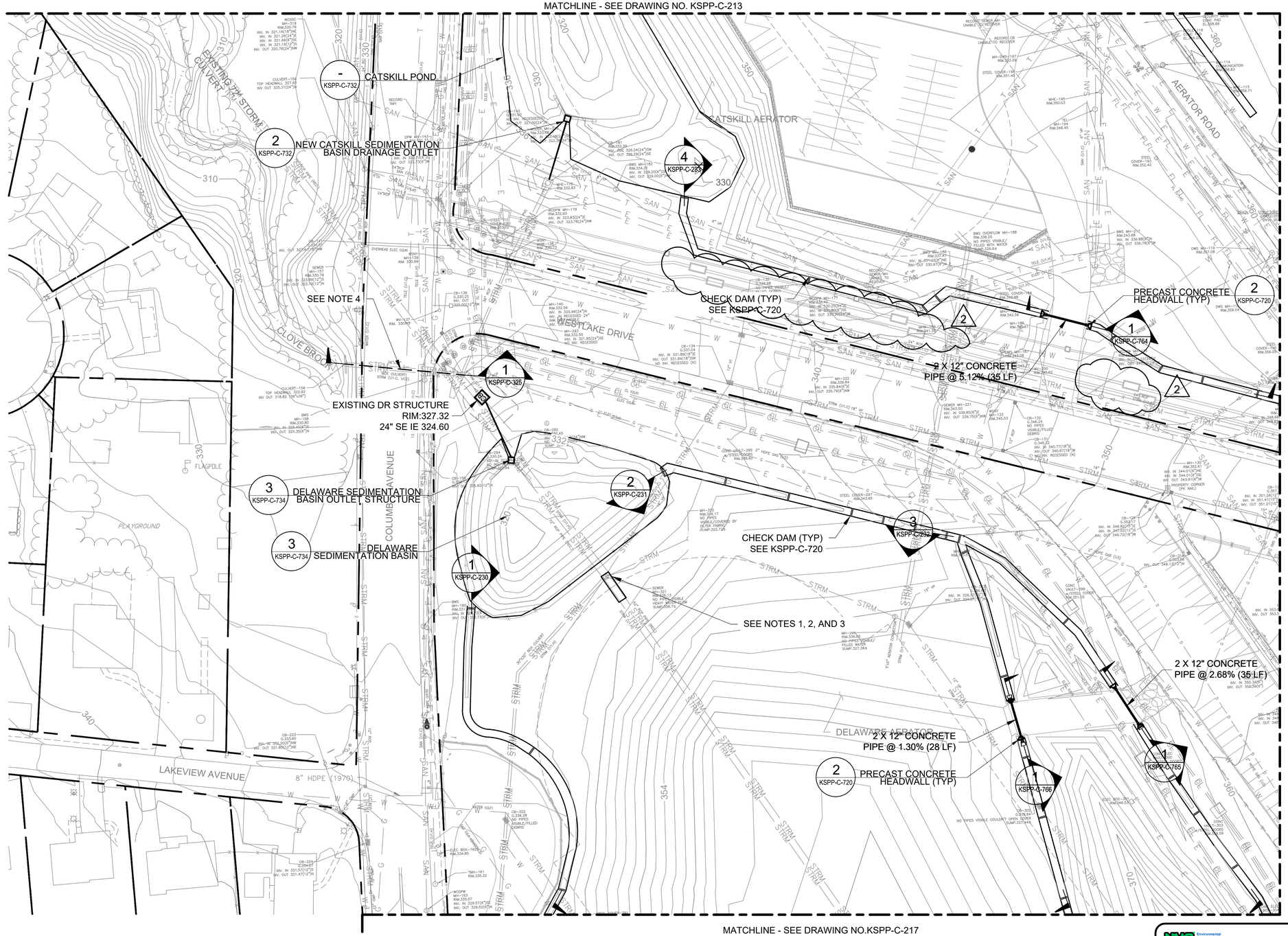
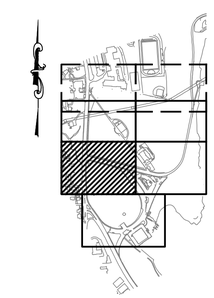


NOTES:

1. THE CONTRACTOR SHALL CLEAN, INSPECT, AND REHABILITATE THE EXISTING MANHOLE REHABILITATION SHALL BE IN ACCORDANCE WITH SECTION 51.22 (RECONSTRUCTION OF EXISTING MANHOLES) OF THE NYCDEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS.
2. THE CONTRACTOR SHALL CLEAN, INSPECT, AND REHABILITATE A 20FT SECTION OF THE THE EXISTING RCP SEWER, IMMEDIATELY UPSTREAM OF THE DRAINAGE MANHOLE. REHABILITATION SHALL BE IN ACCORDANCE WITH SECTION 50.71 (RECONSTRUCTION OF EXISTING SEWERS USING DEP APPROVED CURED-IN-PLACE-PIPE (CIPP) LINING METHOD) OR SECTION 50.72(RECONSTRUCTION OF EXISTING SEWERS USING SHOTCRETE METHOD) OF THE NYCDEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS.
3. UPON COMPLETION OF THE DRAINAGE PIPING REHABILITATION WORK, THE CONTRACTOR SHALL CONDUCT A POST-CONSTRUCTION CCTV INSPECTION IN ACCORDANCE WITH SECTION 53.11 (TELEVISION INSPECTION AND DIGITAL AUDIO-VISUAL RECORDING OF SEWERS) OF THE NYCDEP STANDARD SEWER AND WATER MAIN SPECIFICATIONS.
4. SEE DWG KSPP-C-325 FOR REPAIR NOTES AND DETAILS FOR THE EXISTING 3'X3' CULVERT



KEY PLAN

1"=40' 0 40 80 FT.

DRAINAGE PLAN 5

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 095828 LICENSED PROFESSIONAL ENGINEER 5/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
DRAINAGE
PLAN 5

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-215.02

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Last Saved By: Epotter Last Date Saved: 8/11/2023 3:23 PM Date & Time Plotted: 8/11/2023 3:34 PM Plot Style Table: BEDC_Acad(N).ctb
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Drawing File Name & Drive Location: (command "zoom" "E")

MATCHLINE - SEE DRAWING NO. KSPP-C-214

MH-C2
4' DIAMETER W DRAIN INLET
RIM:361.86
18" NE IE 355.86
18" SW IE 355.90

MH-C1
4' DIAMETER W DRAIN INLET
RIM:365.34
18" SW IE 357.57

100 LF 18" HDPE PIPE @ 1.70%

47 LF 18" HDPE PIPE @ 1.04%

CONNECT TO EX DRAINAGE STRUCTURE #3
18" NE IE 360.37

28 LF 12" HDPE PIPE @ -2.50%

NEW 4" CIP STORM DRAIN (SEE DWG KSPP-C-218)

ELECTRICAL BUILDING ROOF DRAINS (SEE ARCH DWGS)

CONNECT TO EX DRAINAGE STRUCTURE #2
12" SE IE 360.5

NEW 4" CIP STORM DRAIN (SEE DWG KSPP-C-218)

CHECK DAM (TYP)
SEE KSPP-C-720

GRAVEL SWALE (2 / KSPP-C-721)

CONNECT TO EX DRAINAGE STRUCTURE #1
18" SE IE 359.23

CB-E1
TYPE 2
RIM:364.09
12" NW IE 359.00

ELEC BLDG ROOF DRAINAGE TO MH (3 / KSPP-C-721)

ELEC BLDG ROOF DRAINAGE TO MH (1 / KSPP-C-722)

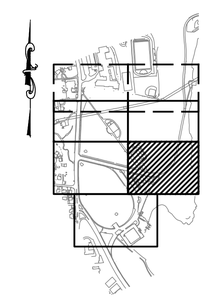
S. SC ROAD
AERATOR ROAD
EOH HQ
ELEC BLDG
WESTLAKE DRIVE
FLUORIDE BLDG
KENSICO RESERVOIR

MATCHLINE - SEE DRAWING NO. KSPP-C-215

MATCHLINE - SEE DRAWING NO. KSPP-C-217

DRAINAGE PLAN 6

SCALE: 1"=40'



KEY PLAN

1"=40' 0 40 80 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	08/2023	ADDENDUM #3	SL
2	07/2023	ADDENDUM #2	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 2000626 · LICENSED PROFESSIONAL ENGINEER · 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
DRAINAGE
PLAN 6

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-216.03

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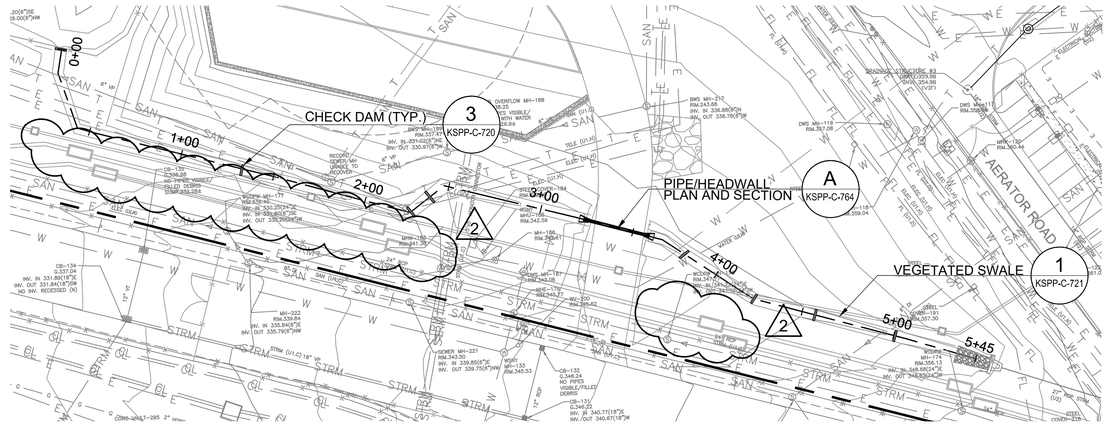
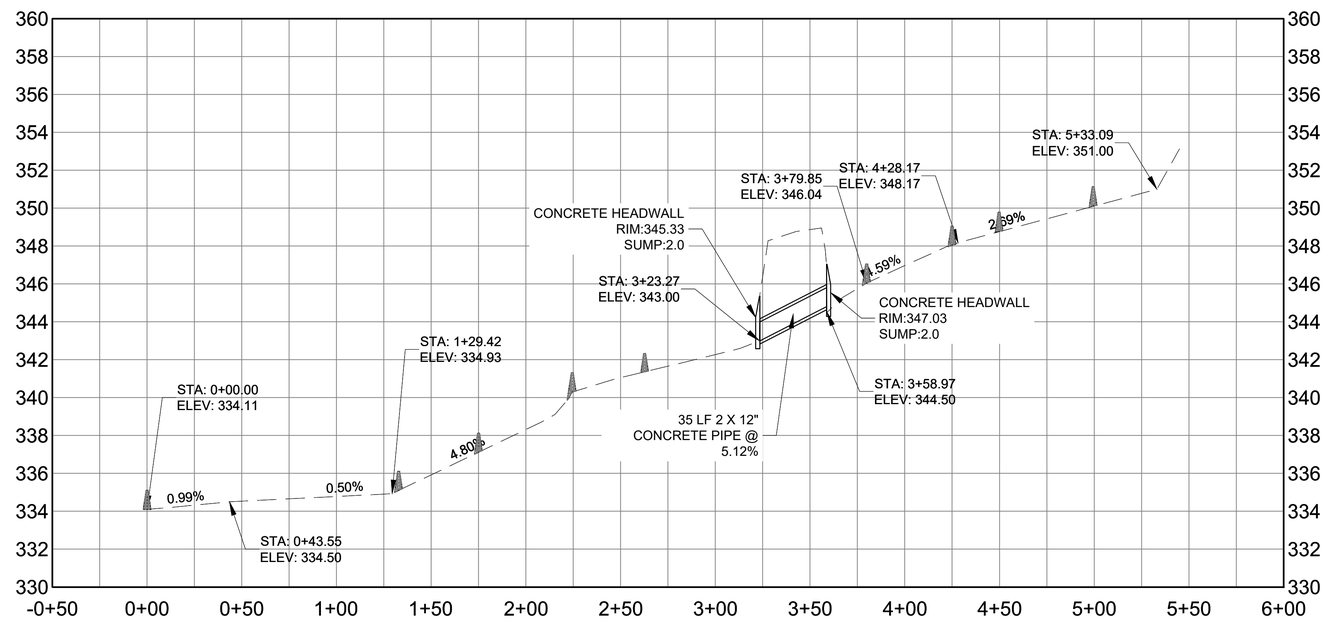


SOUTH CATSKILL SWALE PLAN

SCALE: 1" = 40'



4 SOUTH CATSKILL SWALE PROFILE

HOR SCALE: 1" = 40'

VERT SCALE: 1" = 4'

1"=40' 0 40 80 FT.

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	08/2023	ADDENDUM #3	SL
2	07/2023	ADDENDUM #2	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH

CHECKED BY: DD,MR

DESIGN LEAD: SEBASTIAN LOPEZ,PE

SECTION MANAGER: ALEXANDER LOPEZ, PE

DRAWN BY: CC,JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 096626 · LICENSED PROFESSIONAL ENGINEER · 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO

PORTFOLIO MANAGER: LAUREN D'ATTILE, PE

DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
DRAINAGE SWALE PROFILES
SHEET 4

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-233.03

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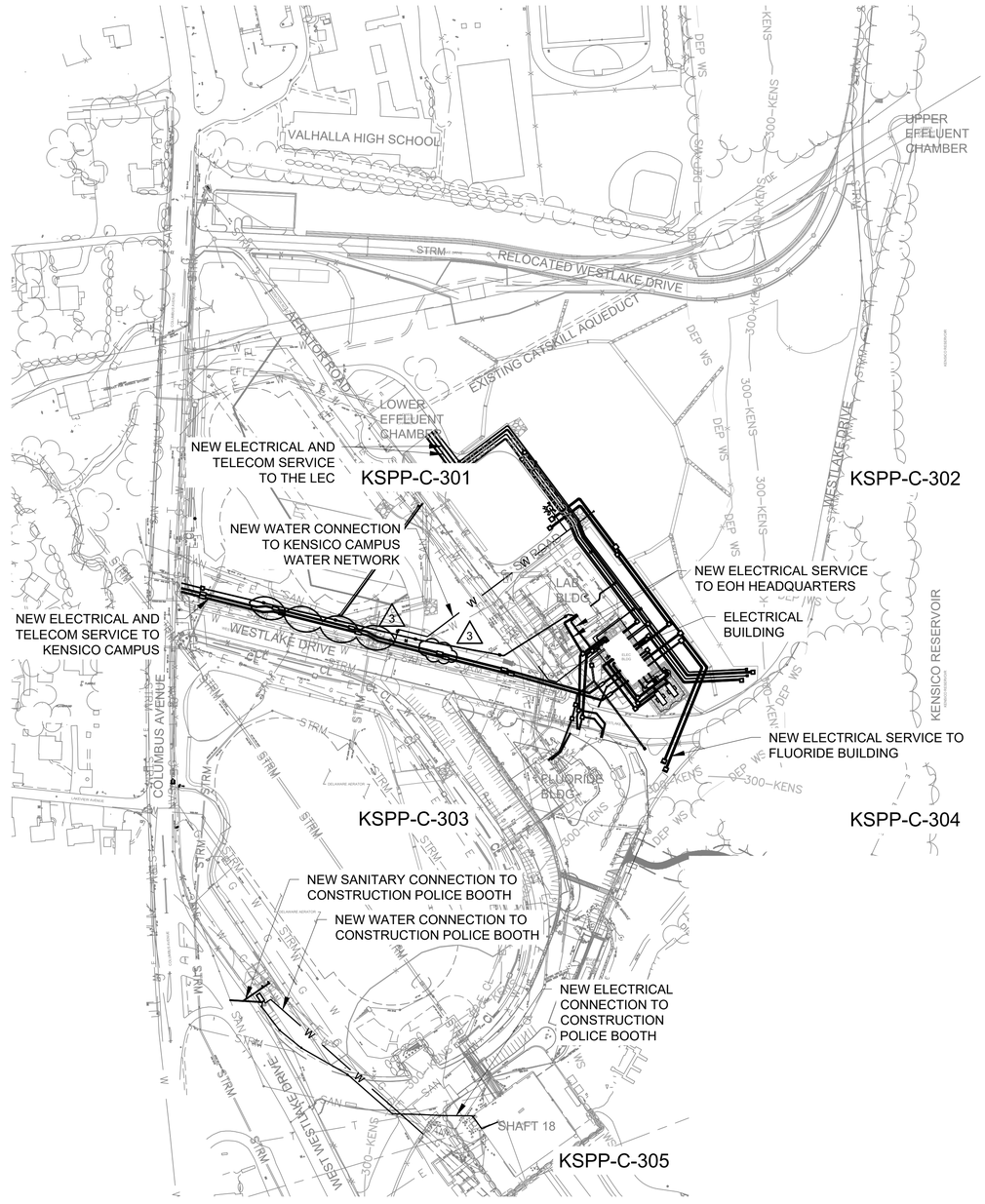

SITE UTILITY OVERALL PLAN

SCALE: 1"=150'

1"=150' 0 150 300 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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VERTICAL DATUM CONVERSION (ft)
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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
3	08/2023	ADDENDUM #3	SL
2	07/2023	ADDENDUM #2	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099828 · LICENSED PROFESSIONAL ENGINEER · 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE UTILITY
OVERALL PLAN

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-300.03

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Date & Time Plotted: 8/11/2023 4:25 PM
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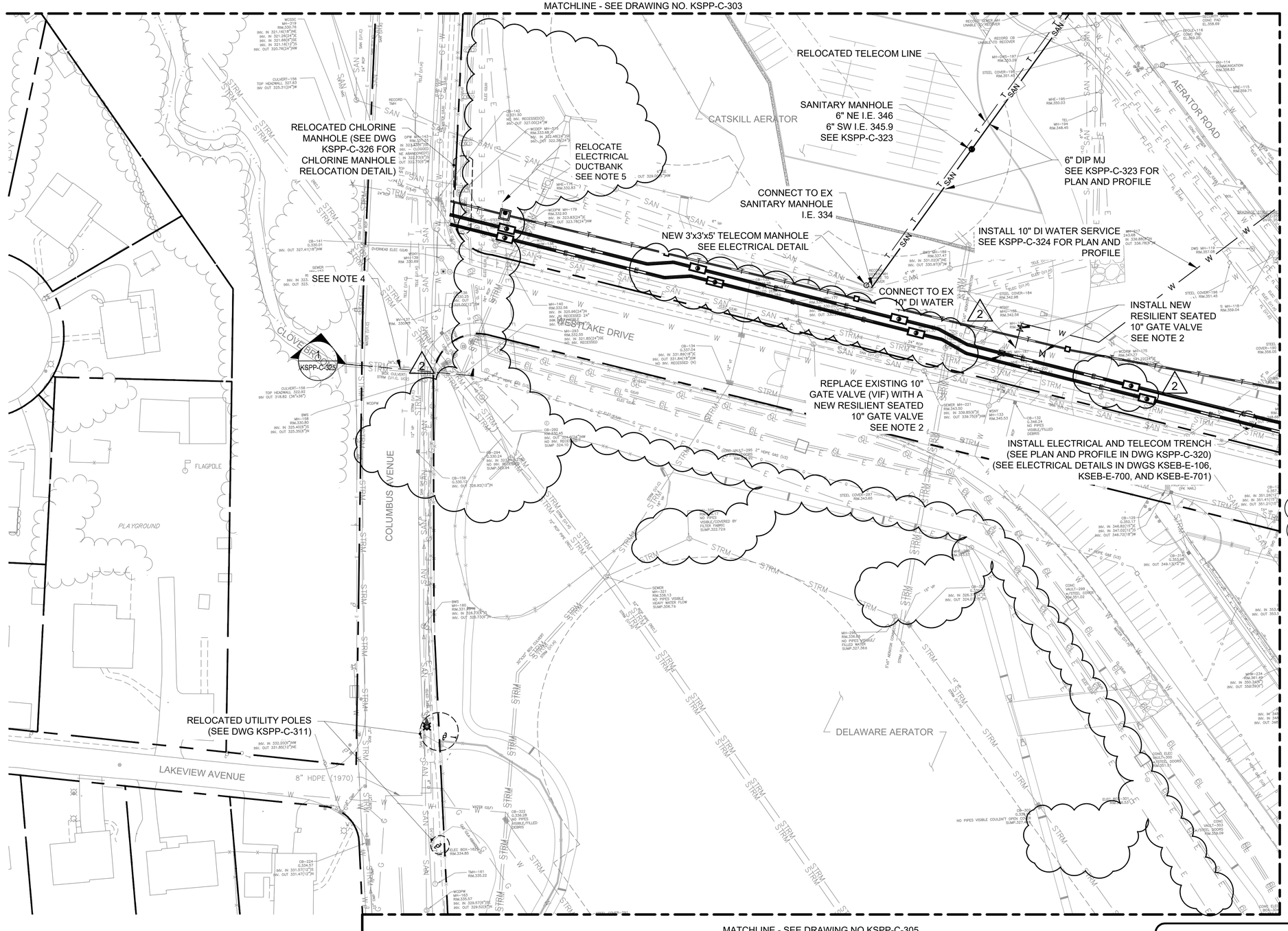
Plot Style Table: BEDC_Acad(N).ctb

MATCHLINE - SEE DRAWING NO. KSPP-C-303



MATCHLINE - SEE DRAWING NO.KSPP-C-305

SITE UTILITY PLAN 3

SCALE: 1"=40'

NOTES:

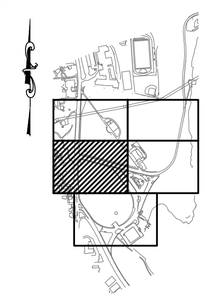
1. CONTRACTOR SHALL MAKE ALL REQUIRED MODIFICATIONS TO EXISTING UTILITIES TO MAINTAIN ACCESS AND OPERATIBILITY INCLUDING, BUT NOT EXCLUSIVE TO, ADJUSTING UTILITY MANHOLE AND HANDHOLE FRAME AND COVERS TO PROPOSED ELEVATIONS. SEE KSPP-C-200 SERIES FOR PROPOSED GRADING.

2. CONTRACTOR SHALL FURNISH AND INSTALL NEW 10" GATE VALVES IN ACCORDANCE WITH THE NYCDEP BUREAU OF WATER AND SEWER OPERATIONS STANDARD WATER MAIN SPECIFICATIONS (NYCDEP BWSO SWMS). INCLUDING, BUT NOT EXCLUSIVE TO, THE FOLLOWING:
   - 2.1. FURNISH, DELIVER AND INSTALL A NEW MECHANICAL JOINT DUCTILE IRON GATE VALVE COMPLETE WITH WEDGE TYPE RETAINER GLAND IN ACCORDANCE WITH NYCDEP SECTION 5.05.
   - 2.2. GATE VALVE SUBMITTALS, TESTING, AND PACKAGING SHALL BE IN ACCORDANCE TO SECTION 2.05 - STANDARD SPECIFICATIONS FOR RESILIENT - SEATED GATE VALVES WITH VARIOUS END CONNECTIONS.
   - 2.3. PROVIDE MANHOLE HEAD, COVER AND SKIRT IN ACCORDANCE WITH NYCDEP BWSO STANDARD WATER MAIN DRAWING 10240-A-Z.
   - 2.4. PROVIDE FOUNDATIONS FOR VALVE BOXES IN ACCORDANCE WITH NYCDEP BWSO STANDARD WATER MAIN DRAWING 11576-A-7

3. THE RELOCATION OF HANDHOLES AND CONDUITS SHALL BE IN ACCORDANCE WITH 26 05 23 UNDERGROUND DUCTS, MANHOLES AND RACEWAYS FOR ELECTRICAL SYSTEMS

4. SEE DWG KSPP-C-325 FOR REPAIR NOTES AND DETAILS FOR EXISTING 3'X3' CULVERT

5. CONTRACTOR SHALL VERIFY IN FIELD EXISTING ELECTRICAL DUCTBANK SIZE, NUMBER OF CONDUITS, AND LOCATION. EXISTING DUCTBANK SHALL BE RELOCATED AS REQUIRED FOR NEW PROPERTY LINE ELECTRICAL AND TELECOM MANHOLES. CONCRETE BANK RELOCATION SHALL BE COORDINATED WITH NYCDEP OPERATIONS.



KEY PLAN

1"=40' 0 40 80 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099826 · LICENSED PROFESSIONAL ENGINEER · 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE UTILITY
PLAN 3

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-303.02

Last Saved By: Epotter Last Date Saved: 8/11/2023 4:49 PM Date & Time Plotted: 8/11/2023 5:40 PM
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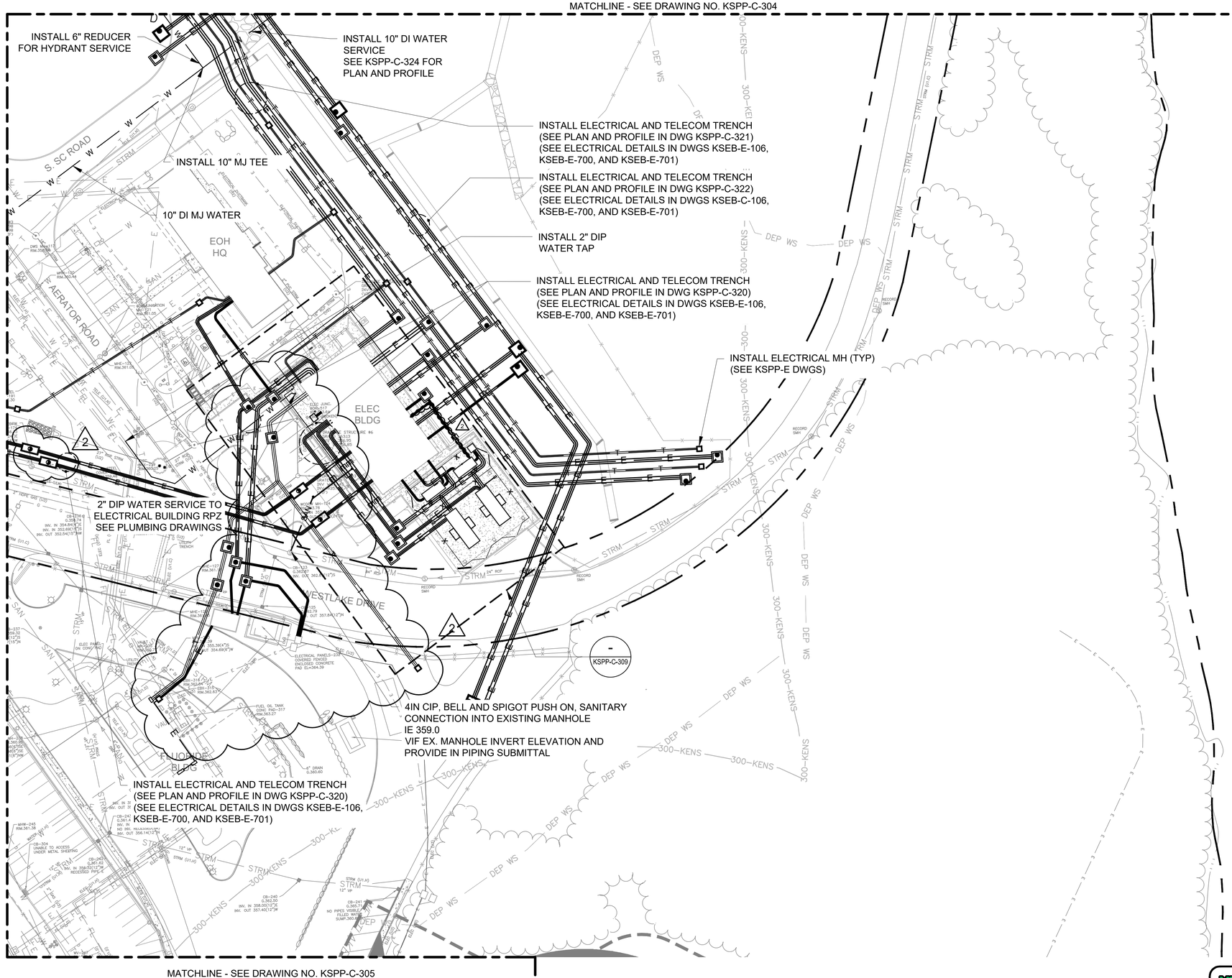
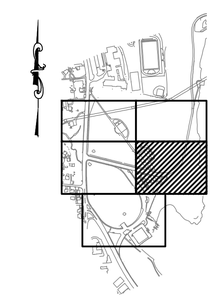
All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.



NOTES:

1. CONTRACTOR SHALL MAKE ALL REQUIRED MODIFICATIONS TO EXISTING UTILITIES TO MAINTAIN ACCESS AND OPERATIBILITY INCLUDING, BUT NOT EXCLUSIVE TO, ADJUSTING UTILITY MANHOLE AND HANDHOLE FRAME AND COVERS TO PROPOSED ELEVATIONS. SEE KSPP-C-200 SERIES FOR PROPOSED GRADING.
2. ALL UNDERGROUND DUCTILE IRON PIPE WATER PIPE SHALL USE RESTRAINED MECHANICAL JOINTS, SEE SECTION 40 05 19 - DUCTILE IRON AND CAST IRON PIPES AND SECTION 33 06 01 - SCHEDULE FOR BURIED PIPING.



KEY PLAN

1"=40' 0 40 80 FT.

SITE UTILITY PLAN 4

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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VERTICAL DATUM CONVERSION (ft): +1.28 BWS; 0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 106626 · LICENSED PROFESSIONAL ENGINEER · 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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NEW YORK CITY ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN & CONSTRUCTION
96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE UTILITY
PLAN 4

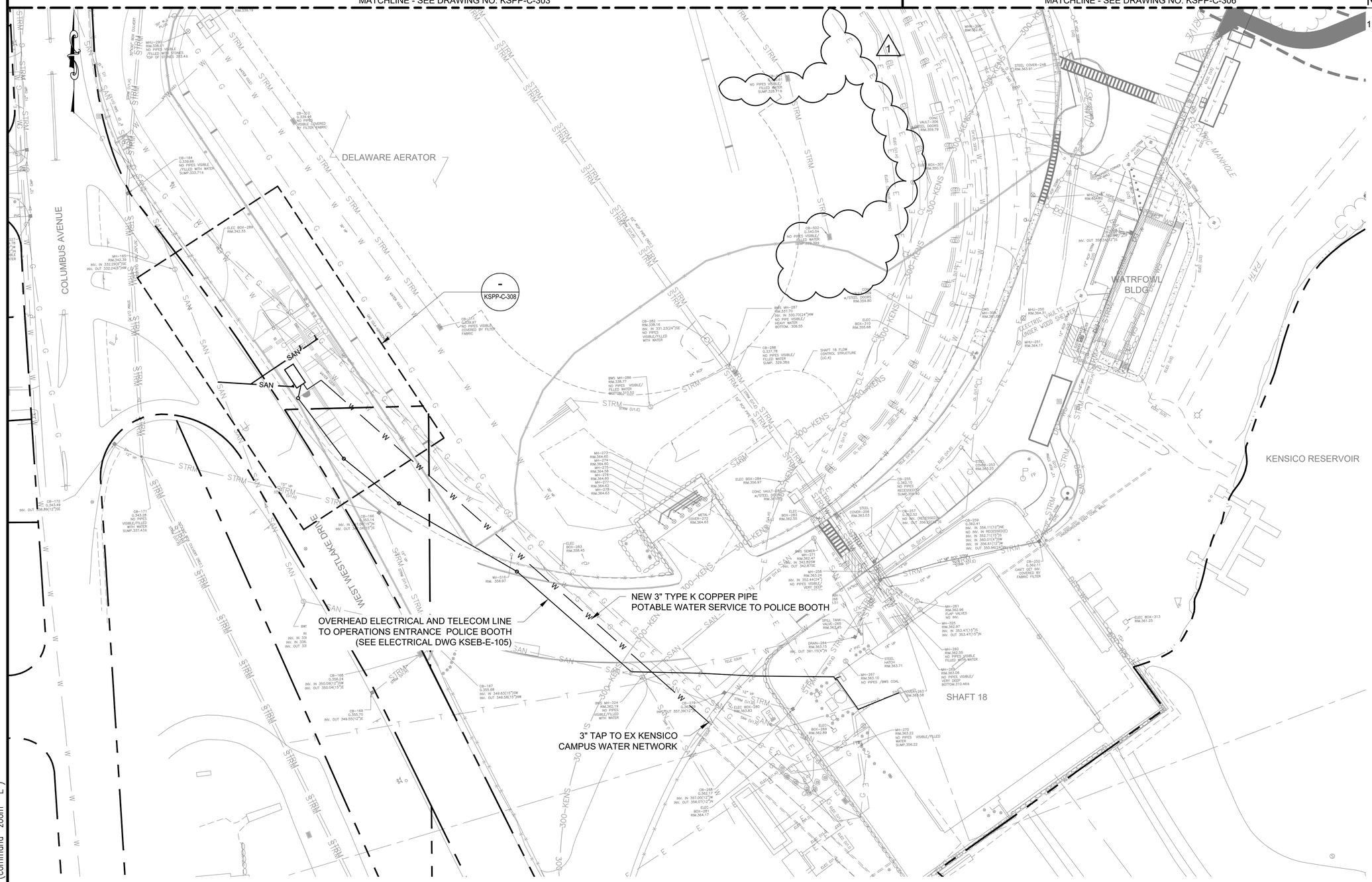
DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-304.02

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Epotter Last Date Saved: 8/14/2023 2:30 PM Date & Time Plotted: 8/14/2023 2:56 PM
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches) Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name & Drive Location: (command "zoom" "E") Plot Scale:1:1

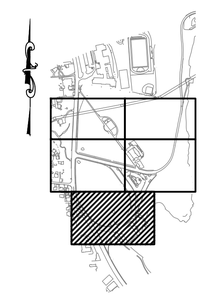
MATCHLINE - SEE DRAWING NO. KSPP-C-303

MATCHLINE - SEE DRAWING NO. KSPP-C-306



NOTES:

1. CONTRACTOR SHALL MAKE ALL REQUIRED MODIFICATIONS TO EXISTING UTILITIES TO MAINTAIN ACCESS AND OPERATIBILITY INCLUDING, BUT NOT EXCLUSIVE TO, ADJUSTING UTILITY MANHOLE AND HANDHOLE FRAME AND COVERS TO PROPOSED ELEVATIONS. SEE KSPP-C-200 SERIES FOR PROPOSED GRADING.



KEY PLAN

1"=40' 0 40 80 FT.

SITE UTILITY PLAN 4

SCALE: 1"=40'

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 088626 · LICENSED PROFESSIONAL ENGINEER · 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE UTILITY
PLAN 4

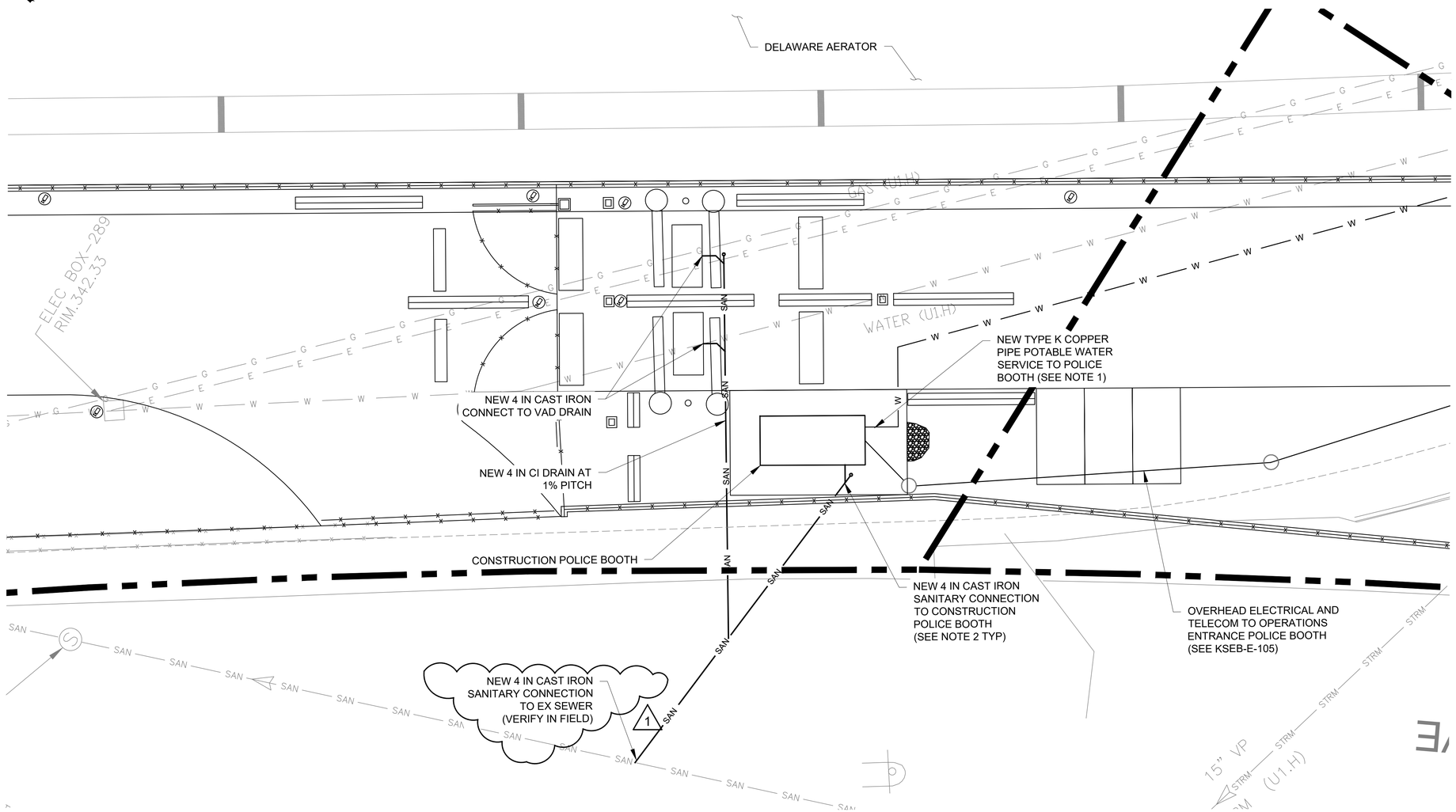
DATE: MARCH 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-305.01

Last Saved By: Epotter Last Date Saved: 8/11/2023 1:40 PM Date & Time Plotted: 8/11/2023 1:56 PM
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches) Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name & Drive Location: (command "zoom" "E") Plot Scale: 1:1

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

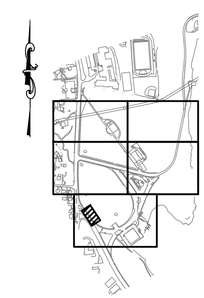
NOTES:

1. CONTRACTOR SHALL PROVIDE A BACKFLOW PREVENTION DEVICE AND PRESSURE REDUCING VALVE INSIDE THE POLICE BOOTH AS REQUIRED FOR POLICE BOOTH WATER SYSTEM OPERATION
2. PROVIDE DRAINAGE WASTE AND VENT FITTINGS WITH BELL AND SPIGOT PUSH-ON JOINTS, SEE SECTION 40 05 19 - DUCTILE AND CAST IRON PIPES.



SITE UTILITY - OPERATIONS ENTRANCE PLAN

SCALE: 1" = 10'



KEY PLAN

1"=10' 0 10 20 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099828 · LICENSED PROFESSIONAL ENGINEER · 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE UTILITY
OPERATIONS ENTRANCE PLAN

DATE: MARCH 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-308.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Epotter Last Date Saved: 4/4/2023 2:55 PM Date & Time Plotted: 8/11/2023 9:30 AM
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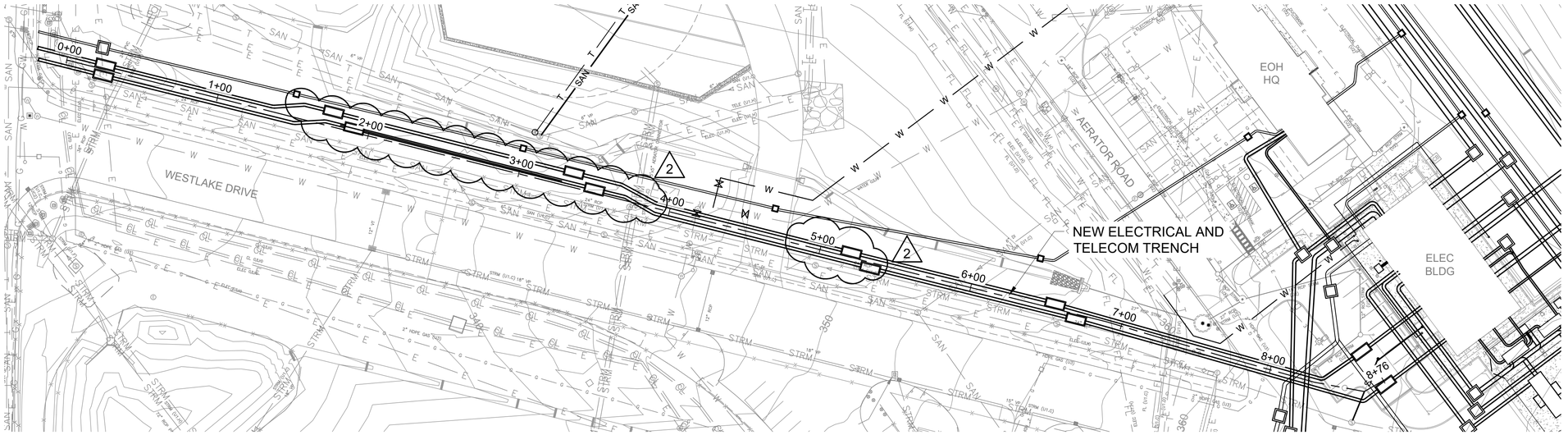
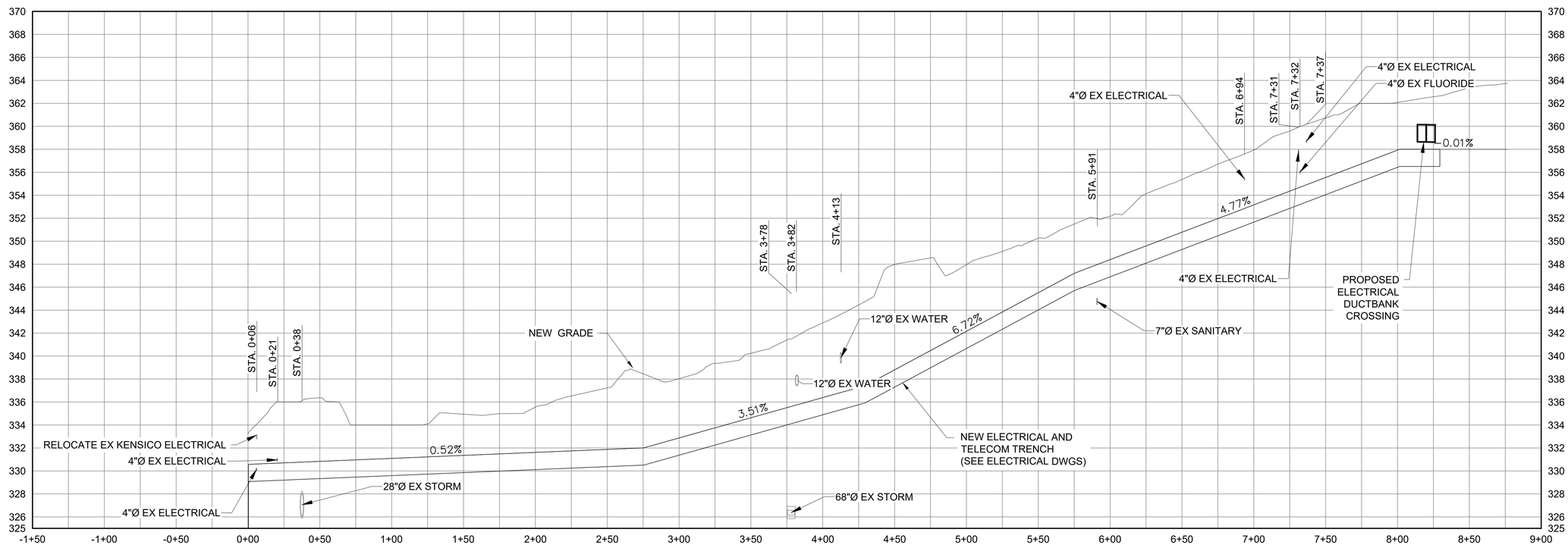


NEW EWLD UTILITY TRENCH

SCALE: 1" = 40'



1 NEW EWLD UTILITY TRENCH

HOR SCALE: 1" = 40'

VERT SCALE: 1" = 5'

1"=5' 0 1 2 3 4 5 10 FT.

1"=40' 0 40 80 FT.

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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VERTICAL DATUM CONVERSION (ft)

+1.28 BWS

0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	08/2023	ADDENDUM #1	SL

DESIGNED BY: SL, MT, AF, PS, MH

CHECKED BY: DD, MR

DESIGN LEAD: SEBASTIAN LOPEZ, PE

SECTION MANAGER: ALEXANDER LOPEZ, PE

DRAWN BY: CC, JC

STATE OF NEW YORK SEBASTIAN LOPEZ 098626 LICENSED PROFESSIONAL ENGINEER 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO

PORTFOLIO MANAGER: LAUREN D'ATTILE, PE

DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
UTILITY TRENCH
PLAN AND PROFILE 1

DATE: APRIL 2023

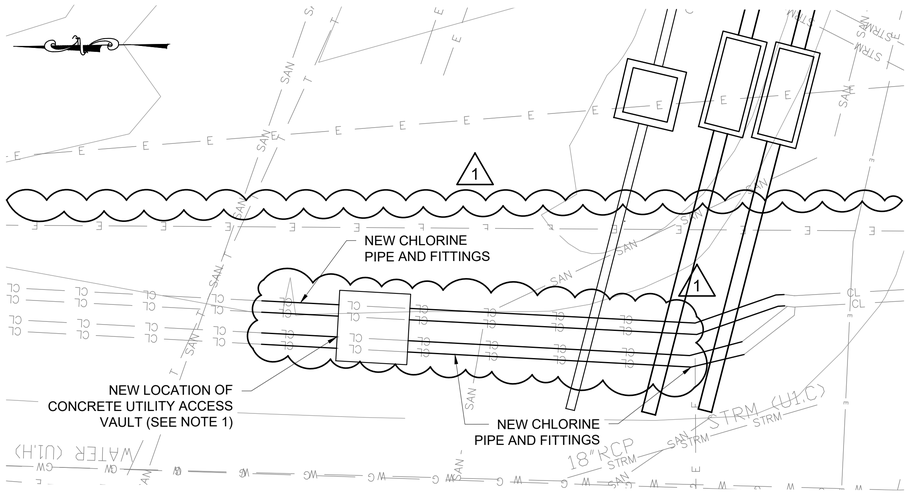
SCALE: AS NOTED

SHEET NO:

DRAWING NO. KSPP-C-320.02

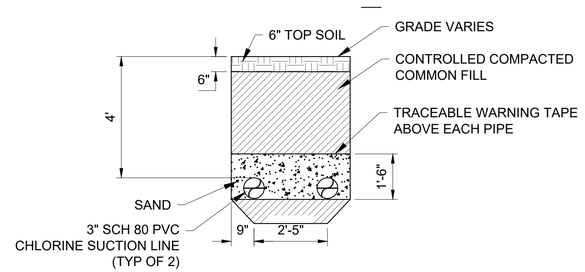
Last Saved By: Epotter Last Date Saved: 8/11/2023 3:24 PM Date & Time Plotted: 8/11/2023 4:41 PM
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches) Plot Scale: 1:1 Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name & Drive Location: (command "zoom" "E")

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.



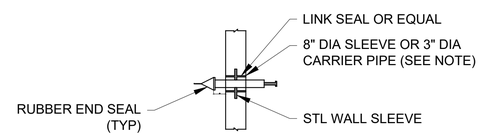
CHLORINE MANHOLE RELOCATION - PLAN

SCALE: 1" = 10'



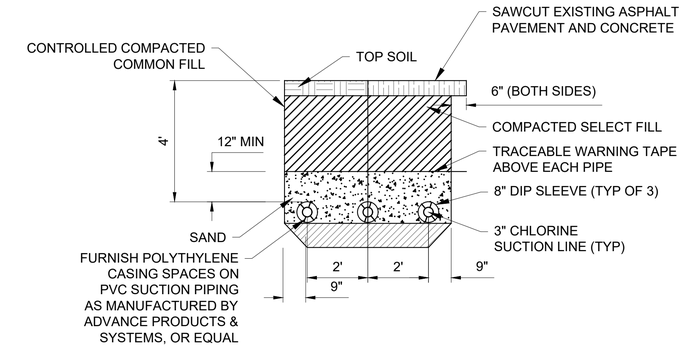
1 TYPICAL TRENCH SECTION FOR DIRECT BURIED CL PIPE

SCALE: N.T.S.



2 NEW STRUCTURE WALL PENETRATION

SCALE: N.T.S.



NOTE:

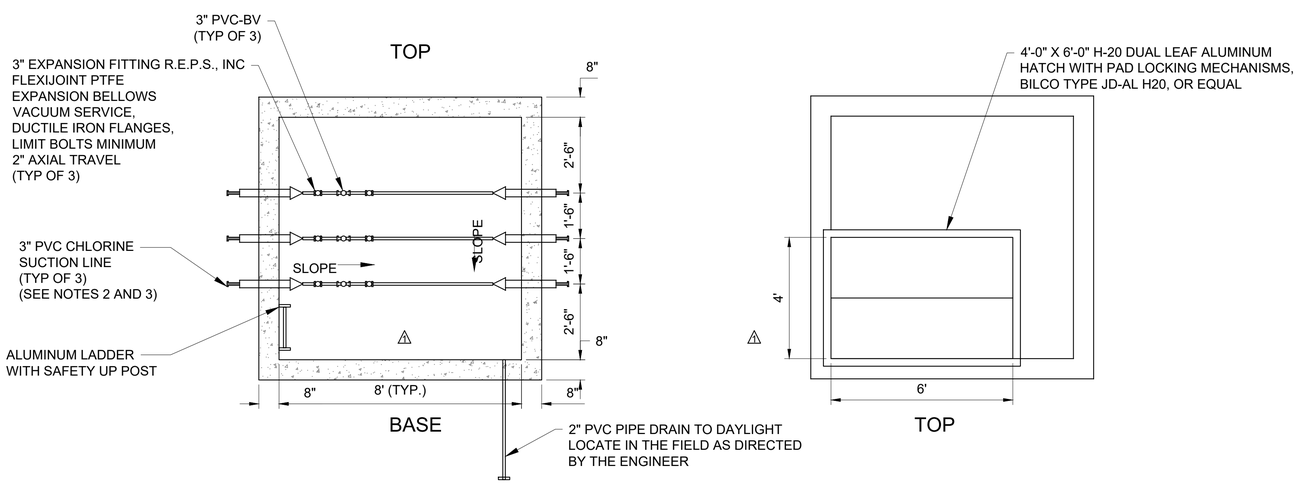
1. WHERE 3" CHLORINE SOLUTION LINE IS SHOWN WITHIN AN 8" DIP SLEEVE, THE SLEEVE SHALL BE EXTENDED THROUGH THE CHAMBER WALL TO 6" FROM INSIDE FACE.

3 TYPICAL TRENCH SECTION FOR CL PIPE WITH DIP SLEEVE

SCALE: N.T.S.

NOTE:

1. PRIOR TO ORDERING REPLACEMENT VAULT, CONTRACTOR SHALL SUBMIT SHOP DRAWING OF ALL ACCESS VAULT LAYOUTS INCLUDING LOCATION OF ALL PENETRATIONS AND HATCH INSTALLATION DETAILS FOR ENGINEER'S APPROVAL. VAULTS SHALL BE WATERTIGHT.
2. CAP ONE OF THE 3" DIA PVC CHLORINE SUCTION LINES WITHIN VAULT A AS DIRECTED BY THE ENGINEER.
3. PROVIDE TWO (2) WALL PENETRATIONS ON NORTH SIDE OF VAULT A.
4. PIPE SUPPORTS SHALL BE SADDLE TYPE PIPE STANDS WITH RESTRAINING U-BOLT. ALL MATERIAL SHALL BE NOT-DIPPED GALVANIZED.



4 CHLORINE VAULT REPLACEMENT

SCALE: N.T.S.

1"=5' 0 1 2 3 4 5 10 FT.
1"=10' 0 10 20 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE
IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 098626 · LICENSED PROFESSIONAL ENGINEER · 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE UTILITY
CHLORINE MANHOLE RELOCATION

DATE: MARCH 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-326.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Date & Time Plotted: 8/11/2023 2:05 PM Plot Style Table: BEDC_Acad(N).ctb
Plot Scale:1:1
Last Date Saved: 8/11/2023 1:40 PM
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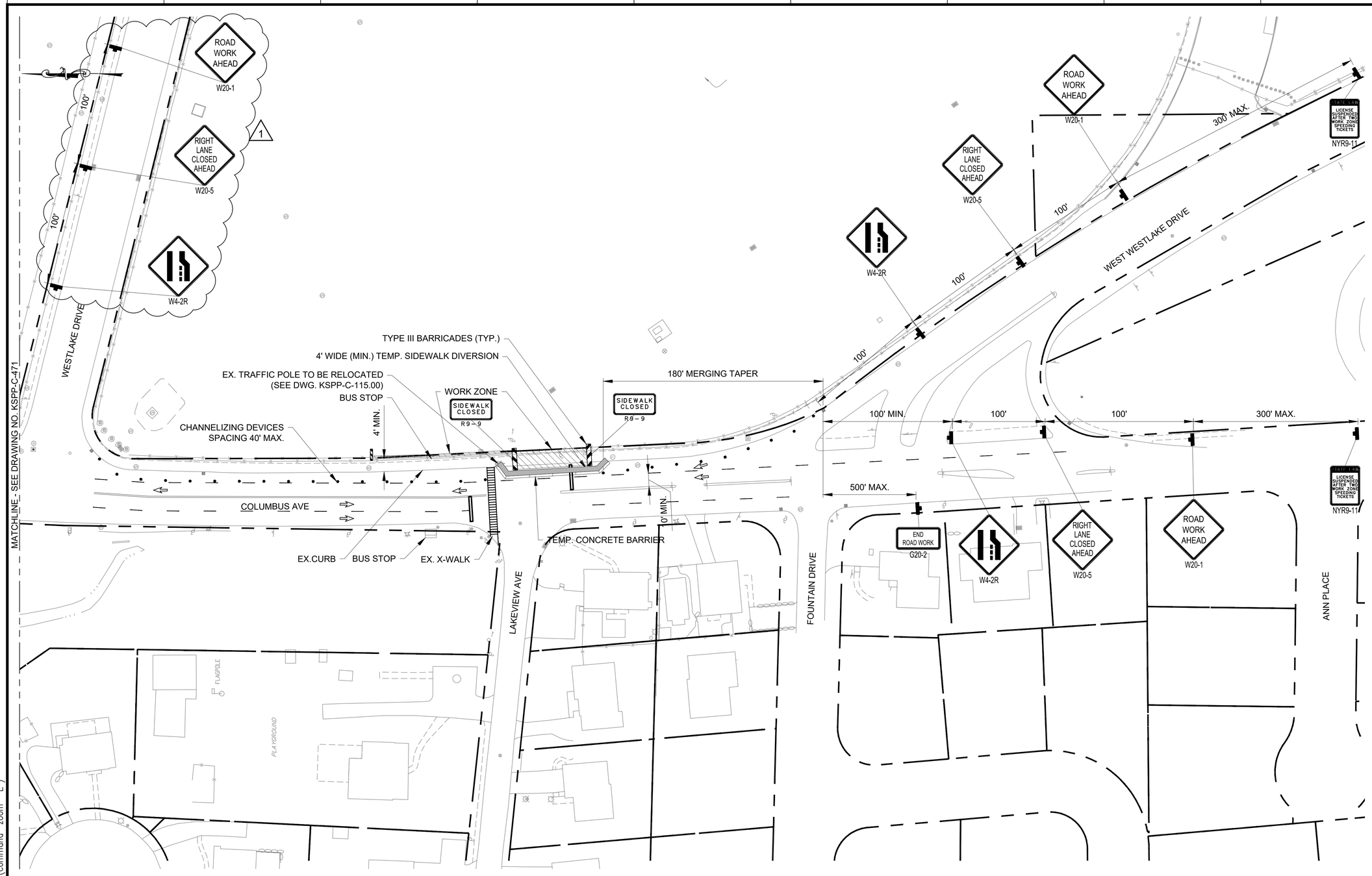
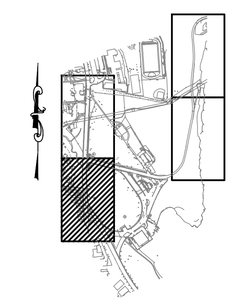
Drawing File Name & Drive Location: (command "zoom" "E")
Last Saved By: Epotter



MPT PHASE 1
PLAN 2
SCALE: 1"=40'



KEY PLAN

1"=40' 0 40 80 FT.

NYC Environmental Protection BEDC/HD

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE
IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	8/23	ADDENDUM #3	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: JS

ARUP

STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

NYC Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
PHASE 1 - MAINTENANCE & PROTECTION OF TRAFFIC PLAN - SHEET 2

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-472.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Ekaterina.Frolova Date Saved: 8/10/2023 2:50 PM Date & Time Plotted: 8/10/2023 2:56 PM
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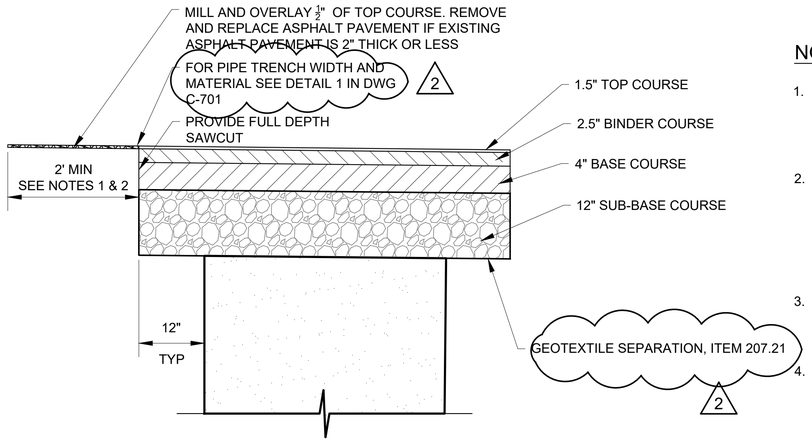
Drawing File Name & Drive Location: (command "zoom" "E")

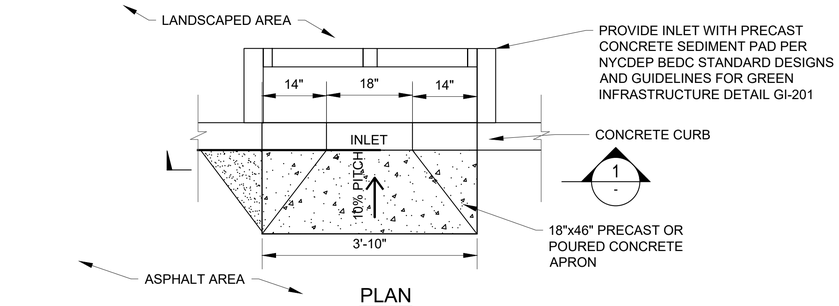


1 - TYPICAL PAVEMENT RESTORATION

N.T.S.

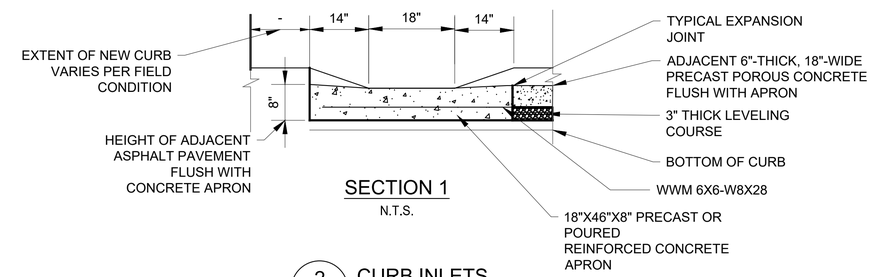
NOTES:

1. IF SAWCUT LINE IS WITHIN FIVE FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR EXISTING SAWCUT LINE, MILL AND OVERLAY OR REPLACE TO THAT EDGE.
2. PLACE A TRUING AND LEVELING COURSE OF A MINIMUM VARIABLE THICKNESS OF PROPER PLANT MIX NECESSARY TO BRING THE SURFACE OF THE EXISTING PAVEMENT TO THE SAME TRANSVERSE SLOPE AND LONGITUDINAL GRADE REQUIRED FOR THE FINISHED PAVEMENT SURFACE.
3. ASPHALT PAVEMENT RESTORATION SHALL BE IN ACCORDANCE WITH SECTION 32 12 16 - ASPHALT PAVING
4. PROVIDE TACK COAT BETWEEN ALL HMA LIFTS PRIOR TO PLACING HMA MIXTURE



PLAN

N.T.S.

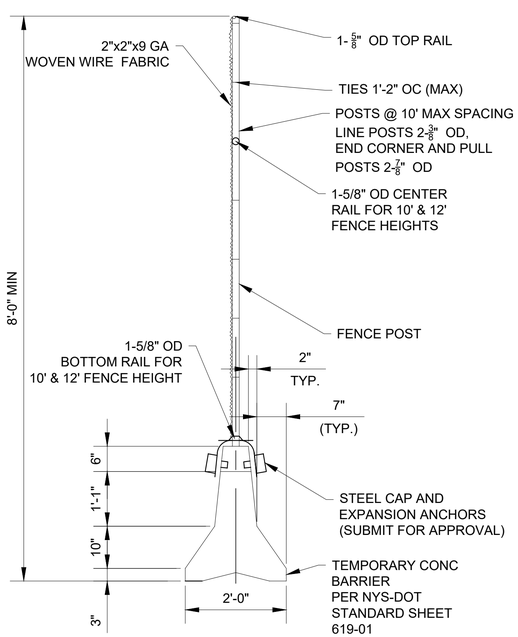


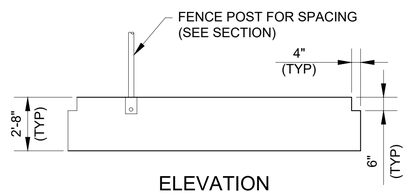
SECTION 1

N.T.S.

2 - CURB INLETS

N.T.S.



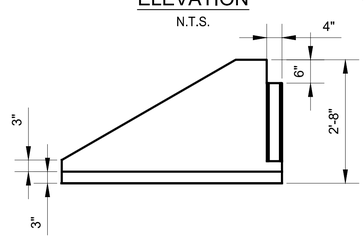


ELEVATION

N.T.S.

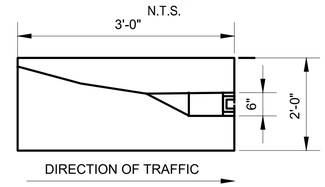
PLAN

N.T.S.



TAPERED BARRIER END ELEVATION

N.T.S.



TAPERED BARRIER END PLAN

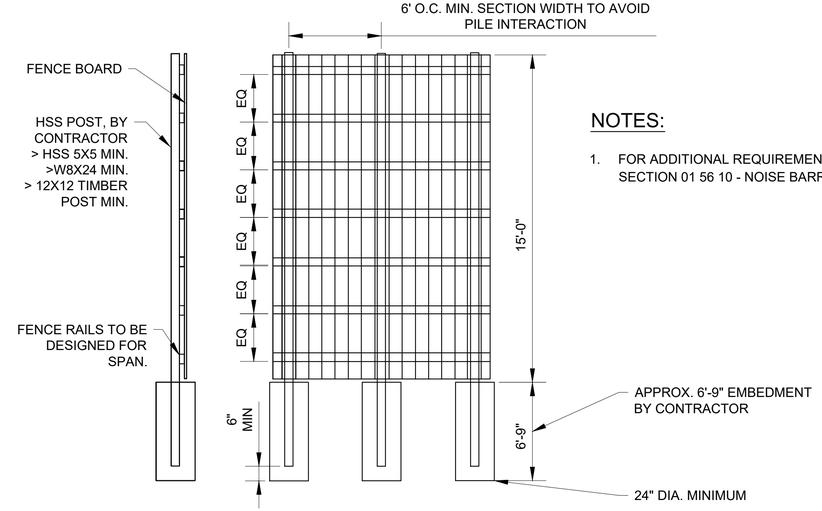
N.T.S.

NOTES:

1. CONTRACTOR SHALL PROVIDE THE CONCRETE BARRIER AND FENCE IN ACCORDANCE WITH SECTION 32 31 15 - CHAIN LINK FENCE. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PROPOSED FENCE AND ITS CONNECTION TO THE CONCRETE BARRIER. SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, AND SHALL SHOW COMPLIANCE WITH WIND ANALYSIS PROVISIONS ON THE BUILDING CODE.
2. TEMP CONCRETE BARRIER FENCE SHALL BE PROVIDED WITH BOTTOM OPENINGS TO ACCOMMODATE DRAINAGE.
3. CONTRACTOR SHALL PROVIDE GROUNDING FOR CONCRETE BARRIER FENCE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND WITH SECTION 26 05 27 - GROUNDING. GROUNDING RODS SHALL BE INSTALLED AT EACH FENCE CORNER AND AT A MAXIMUM OF 160FT INTERVALS ALONG THE FENCE. ALL GATE OPENINGS IN THE FENCE SHALL BE GROUNDED.
4. METAL FENCE SHALL BE PROVIDED COVERED WITH AN OPAQUE STURDY CLOTH "WINDSCREEN" FABRIC NETTING AT ALL LOCATIONS. FABRIC SHALL BE SECURELY ATTACHED TO THE FENCE OR GATE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS. THE FABRIC AND THE FENCE SHALL BE MAINTAINED IN A NEAT, RIGID AND TAUT APPEARANCE.

3 - CONCRETE BARRIER FENCE

N.T.S.



NOTES:

1. FOR ADDITIONAL REQUIREMENTS, SEE SECTION 01 56 10 - NOISE BARRIER

4 - NOISE BARRIER

N.T.S.

ADDENDUM NO. 3

DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #2	SL

DESIGNED BY: SL, MT, AF, PS, MH

CHECKED BY: DD, MR

DESIGN LEAD: SEBASTIAN LOPEZ, PE

SECTION MANAGER: ALEXANDER LOPEZ, PE

DRAWN BY: CC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 099826 · LICENSED PROFESSIONAL ENGINEER · 8/9/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO

PORTFOLIO MANAGER: LAUREN D'ATTILE, PE

DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE
DETAILS 4

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-704.02

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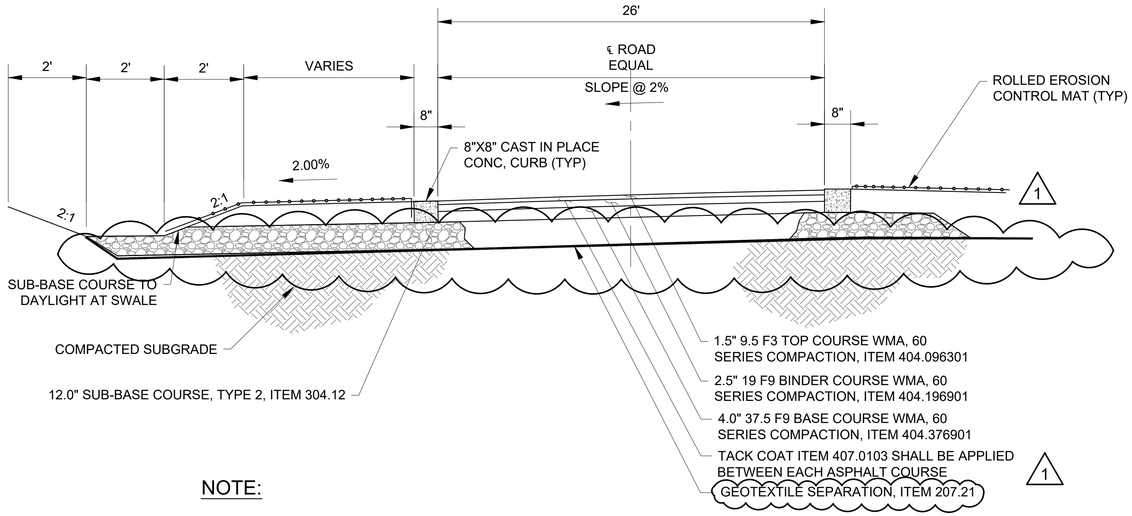
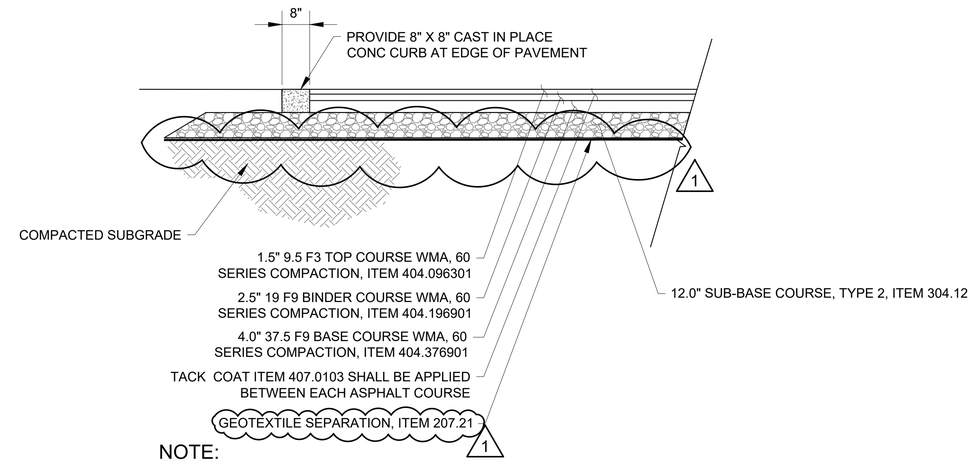


NOTE:

1. ASPHALT PAVEMENT INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 32 12 16 - ASPHALT PAVING.
2. PROVIDE TACK COAT BETWEEN ALL HMA LIFTS PRIOR TO PLACING HMA MIXTURE.

1 / - TYPICAL ROAD SECTION FOR SCREEN CHAMBER ACCESS ROADS AND HAUL ROAD

SCALE: N.T.S.



NOTE:

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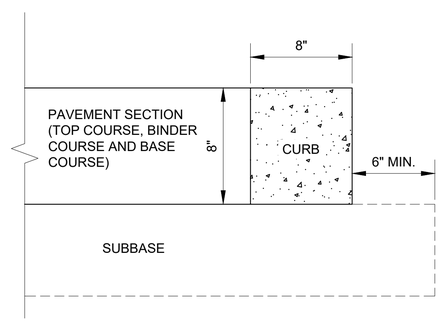
2. PROVIDE TACK COAT BETWEEN ALL HMA LIFTS PRIOR TO PLACING HMA MIXTURE.

2 / - PAVEMENT SECTION FOR PARKING AREA AND LAKEVIEW ENTRANCE

SCALE: N.T.S.



3 / - FLUSH CURB

SCALE: N.T.S.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	Addendum #3	SL

DESIGNED BY: SL, MT, AF, PS, MH
DRAWN BY: CC, JC
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · SEBASTIAN LOPEZ · 122066276 · LICENSED PROFESSIONAL ENGINEER · 8/14/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
SITE
DETAILS 5

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-705.01

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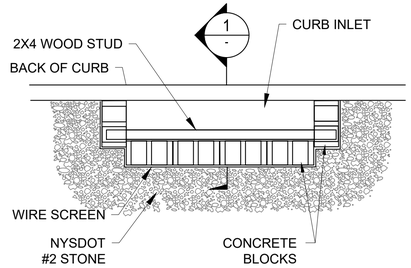
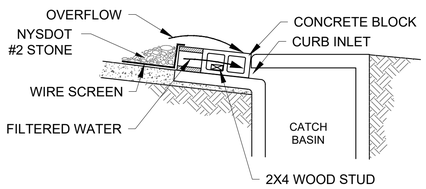


PLAN
N.T.S.

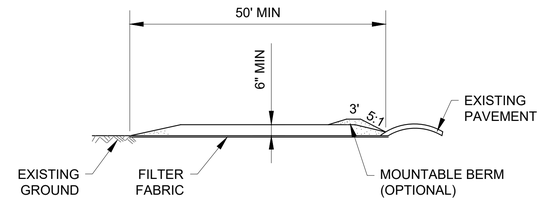


SECTION 1
N.T.S.

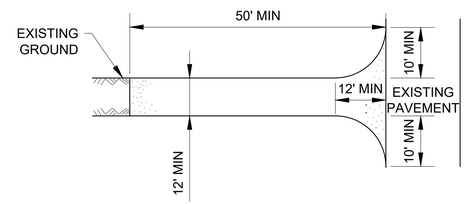
CONSTRUCTION NOTES:

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2" MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET SUPPORT.
2. HARDWARE CLOTH OR $\frac{1}{2}$" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL $\frac{3}{4}$"- 3/4" DIA PLACED 2" BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, 1' THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3" STONE AS SHOWN.
5. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

1 - CURB INLET PROTECTION
N.T.S.



PROFILE
N.T.S.

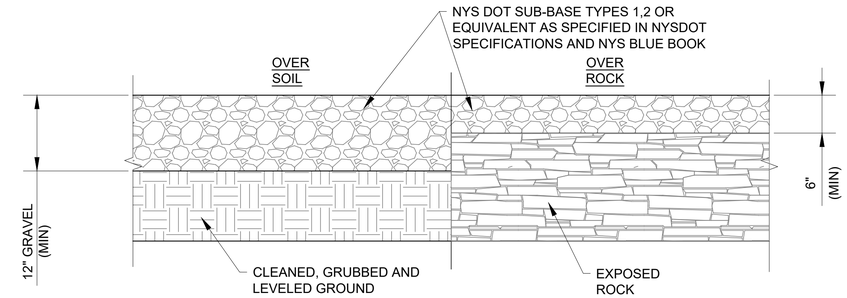


SECTION VIEW
N.T.S.

CONSTRUCTION NOTES:

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH NYSDEC BLUE BOOK
2. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
4. THICKNESS - NOT LESS THAN SIX (6) INCHES.
5. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT SINGLE ENTRANCE TO SITE.
6. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE ARE PRIOR TO PLACING OF STONE.
7. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
8. MANTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
9. WHEN PASSING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
10. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

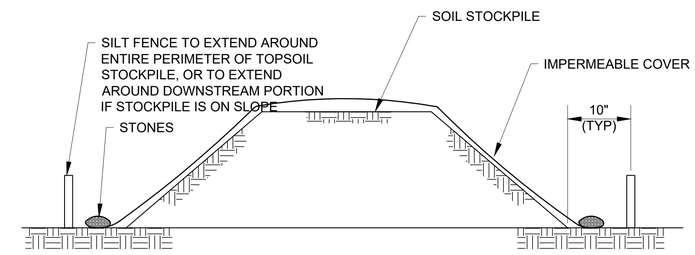
2 - STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



CONSTRUCTION NOTES:

1. GRAVEL SURFACE CONTRACTOR AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NYS STANDARDS AND SPECIFICATIONS FOR ES&C (BLUE BOOK) STANDARD FOR CONSTRUCTION ROAD STABILIZATION

3 - CONSTRUCTION ROAD AND STAGING AREA STABILIZATION
N.T.S.



NOTES:

1. AN ON-SITE DRAINAGE SWALE SHALL BE LOCATED BETWEEN THE TOPSOIL STOCKPILE AND OFF-SITE PROPERTY.
2. REFER TO THE SILT FENCE DETAIL FOR MATERIALS, MAINTENANCE, AND INSTALLATION METHODS.
3. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH THE BURLAP MATTING OR SEEDED WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION.
4. SILT FENCES SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE ENGINEER.
5. IMPERMEABLE COVER PER SPECIFICATIONS. (SUBMIT FOR APPROVAL).

4 - TEMPORARY TOPSOIL STOCKPILE
N.T.S.

2

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/2023	ADDENDUM #3	SL
1	07/2023	ADDENDUM #2	SL

DESIGNED BY: SL, MT, AF, PS, MH
CHECKED BY: DD, MR
DESIGN LEAD: SEBASTIAN LOPEZ, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, JC

STATE OF NEW YORK · SEBASTIAN LOPEZ · 096626 · LICENSED PROFESSIONAL ENGINEER · 5/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

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DETAILS 2

DATE: APRIL 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSPP-C-711.01

Last Saved By: Epotter Last Date Saved: 3/29/2023 4:33 PM Date & Time Plotted: 4/14/2023 4:42 PM
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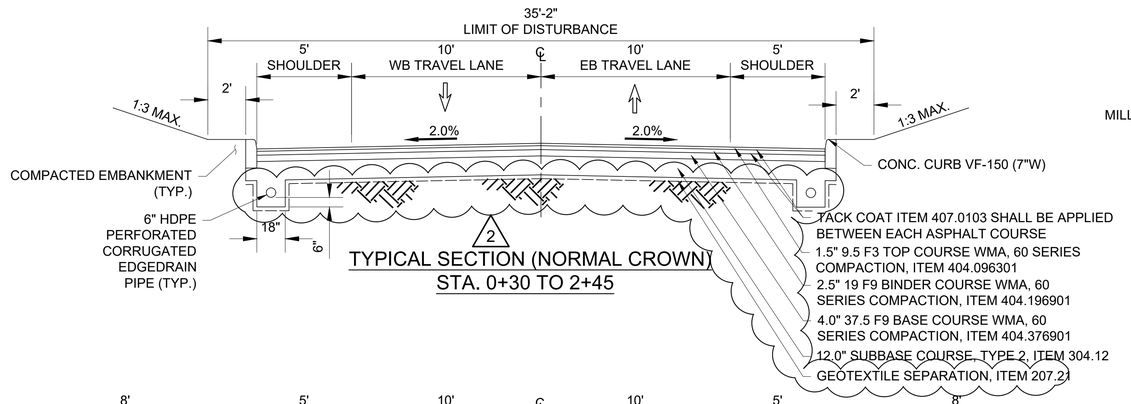
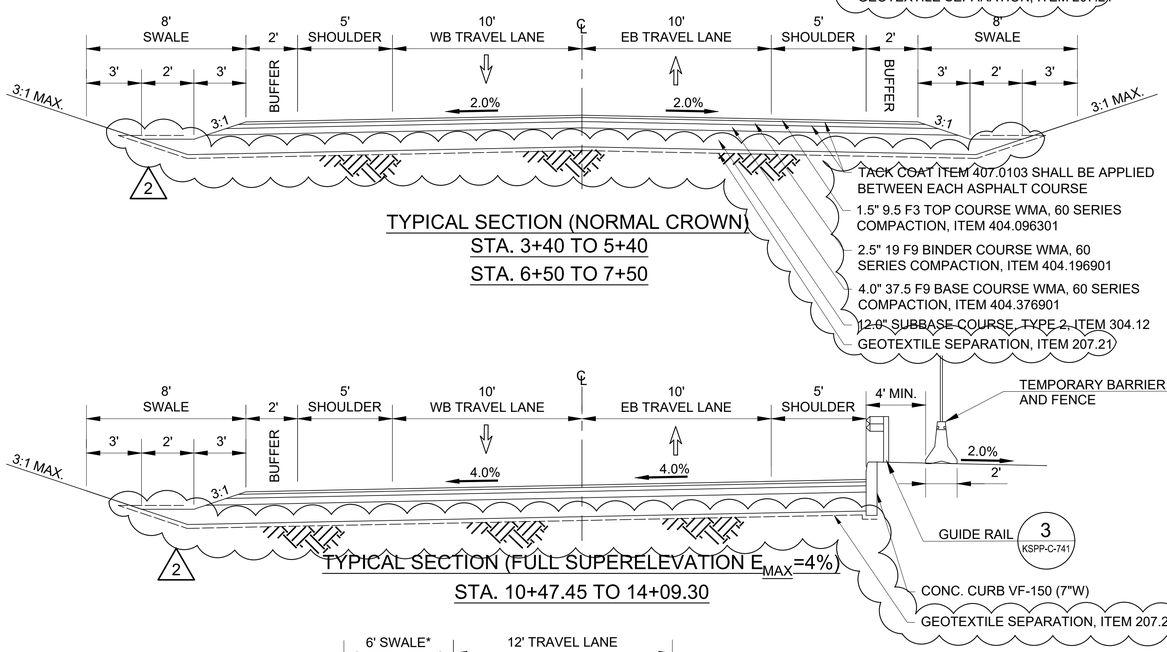
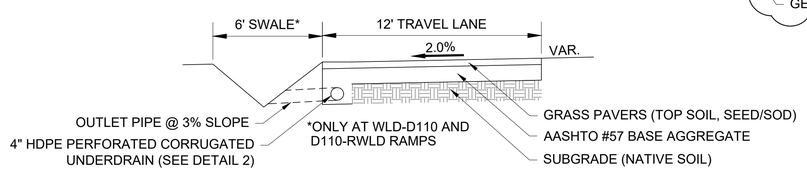


TYPICAL SECTION (NORMAL CROWN)
STA. 0+30 TO 2+45



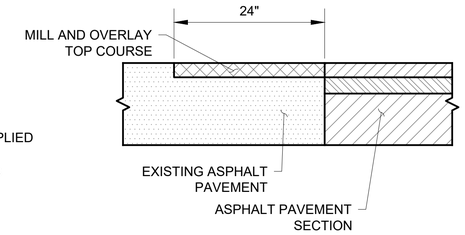
TYPICAL SECTION (NORMAL CROWN)
STA. 3+40 TO 5+40
STA. 6+50 TO 7+50

TYPICAL SECTION (FULL SUPERELEVATION E_{MAX}=4%)
STA. 10+47.45 TO 14+09.30

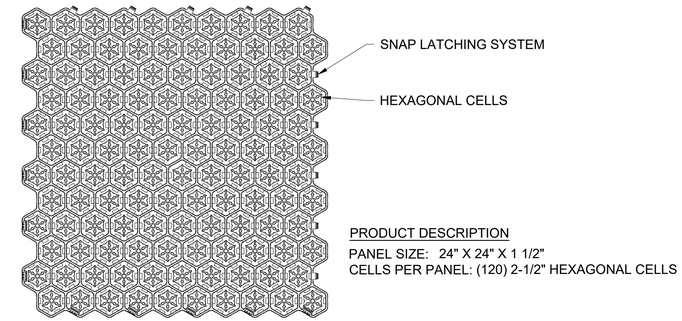


ACCESS RAMP TYPICAL SECTION

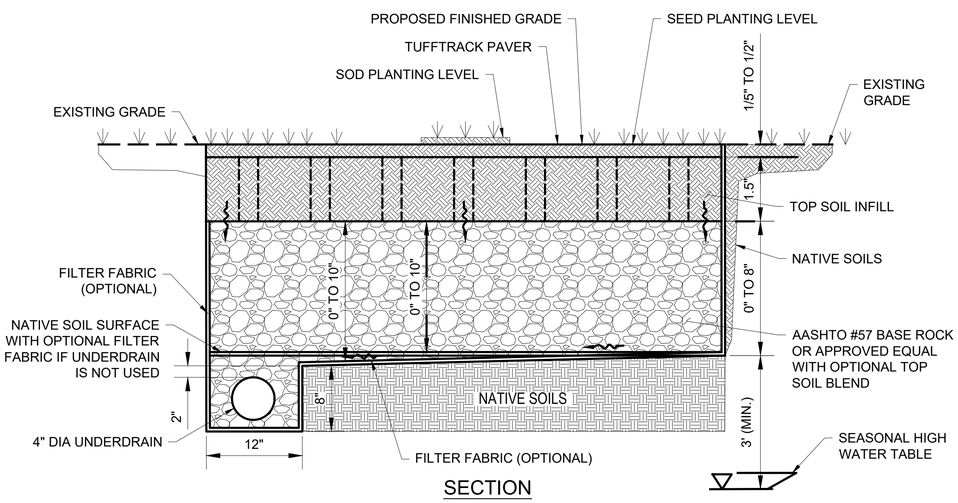
1 - RELOCATED WESTLAKE DRIVE TYPICAL SECTIONS AND PAVEMENT DETAILS
N.T.S.



3 - ASPHALT BUTT JOINT
N.T.S.

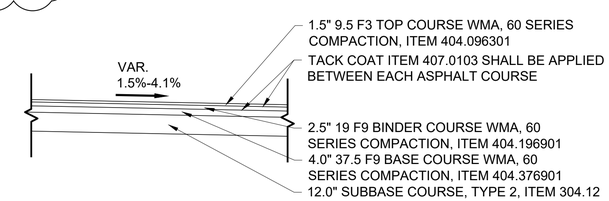


PLAN VIEW



SECTION

2 - GRASS PAVERS (NDS TUFFTRACK™ OR APPROVED EQUAL)
N.T.S.



4 - PARKING LOT TYPICAL SECTION
N.T.S.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	8/23	ADDENDUM #3	VL
1	7/23	ADDENDUM #2	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

ARUP

STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

CIVIL
ROADWAY DETAILS
SHEET 1

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-740.02

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Last Saved By: Ekaterina.Fratzl Date Saved: 8/3/2023 1:30 PM Date & Time Plotted: 8/3/2023 1:32 PM
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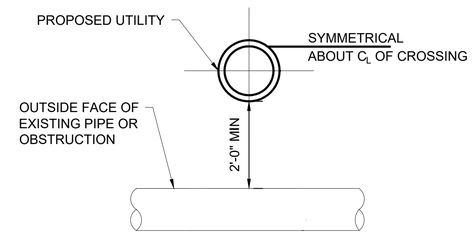
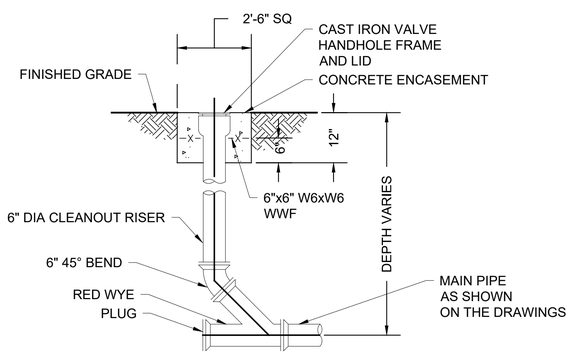


NOTES:

1. VERTICAL OFFSET FITTINGS MAY BE USED IN PLACE OF BENDS ONLY WHERE "D" IS 18" OR LESS.
2. CROSSING ABOVE STRUCTURE IS SIMILAR.
3. JOINT RESTRAINT REQUIRED.

2 / - UTILITY CROSSING ABOVE EXISTING PIPE OR OBSTRUCTION

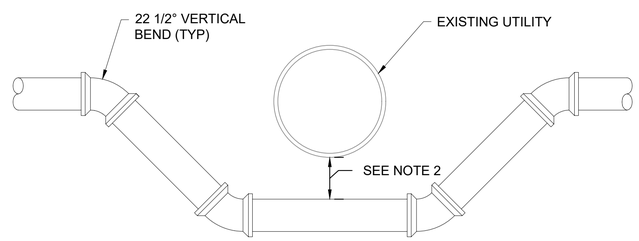
N.T.S.



NOTE:

3 / - CLEANOUT

N.T.S.



NOTES:

1. WATER MAIN MAY BE LOOPED ABOVE OBSTRUCTION IF 4' MINIMUM COVER IS MAINTAINED ABOVE MAIN.
2. REFER TO DETAILED SPECIFICATIONS FOR MATERIALS OF CONSTRUCTION AND MINIMUM SEPARATION DISTANCES.

4 / - TYPICAL UTILITY CROSSING

N.T.S.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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1	8/23	ADDENDUM #3	VL

DESIGNED BY: ABA
CHECKED BY: AD
DESIGN LEAD: VINCENT LEE, PE
SECTION MANAGER:
DRAWN BY: EF

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STATE OF NEW YORK · VINCENT LEE · 087876-1 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
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KENSICO SITE PREPARATION

CIVIL
UTILITY DETAILS
SHEET 2

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO.
KSPP-C-762.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Ekaterina.Frolova Date Saved: 8/10/2023 2:40 PM Date & Time Plotted: 8/10/2023 2:40 PM Plot Style Table: BEDC_Acad(N).ctb
Paper Size Printed/Plotted: (34.00 x 22.00 Inches) Plot Scale:1:1
Drawing File Name & Drive Location: (command "zoom" "E")

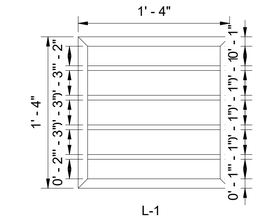
WINDOW AND LOUVER SCHEDULE

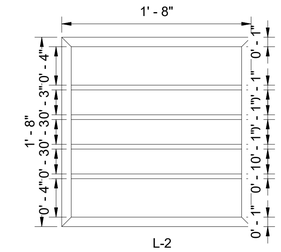
ITEM NUMBER	QUANTITY	Height	Width	FRAME MATERIAL	MATERIAL FINISH	GLAZING TREATMENT	COMMENTS
L-1	1	1' - 4"	1' - 4"	STAINLESS STEEL	#4 SATIN	-	CONTRACTOR SHALL INSTALL ALL LOUVERS AS PER CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED BY THE MANUFACTURE
L-2	1	1' - 8"	1' - 8"	STAINLESS STEEL	#4 SATIN	-	CONTRACTOR SHALL INSTALL ALL LOUVERS AS PER CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED BY THE MANUFACTURE
W-1	16	4' - 0"	6' - 4"	STAINLESS STEEL	#4 SATIN	UV PROTECTION, BIRD PROTECTION	CONTRACTOR SHALL INSTALL ALL WINDOWS AS PER CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED BY THE MANUFACTURE

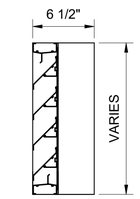
ROOM FINISH SCHEDULE

NAME	CEILING FINISH	FLOOR FINISH	WALL FINISH	COMMENTS
FIRE SUPPRESSION ROOM	PRIMED AND PAINTED WITH WHITE PAINT	NON-SLIP AND ABRASION RESISTANT FLOOR FINISH, IN GREY	CONCRETE WALLS PRIMED AND PAINTED WITH WHITE PAINT, TILE OVER CMU BLOCKS WITH A 5"X10" LIGHT BLUE GLAZED CERAMIC TILE	SEE SPECIFICATIONS: 09 91 00 - PAINTING, 09 30 13 - CERAMIC TILING, AND 03 35 16 - HEAVY-DUTY CONCRETE FLOOR FINISHING
COMMUNICATION ROOM	PRIMED AND PAINTED WITH WHITE PAINT AND DROP CEILING	NON-SLIP AND ABRASION RESISTANT FLOOR FINISH, IN GREY	CONCRETE WALLS PRIMED AND PAINTED WITH WHITE PAINT, TILE OVER CMU BLOCKS WITH A 5"X10" LIGHT BLUE GLAZED CERAMIC TILE	SEE SPECIFICATIONS: 09 91 00 - PAINTING, 09 30 13 - CERAMIC TILING, 09 51 01- SUSPENDED ACOUSATICAL CEILING, AND 03 35 16 - HEAVY-DUTY CONCRETE FLOOR FINISHING
BATTERY ROOM	-	-	-	-
UNIT SUBSTATION ROOM	PRIMED AND PAINTED WITH WHITE PAINT	NON-SLIP AND ABRASION RESISTANT FLOOR FINISH, IN GREY	CONCRETE WALLS PRIMED AND PAINTED WITH WHITE PAINT, TILE OVER CMU BLOCKS WITH A 5"X10" LIGHT BLUE GLAZED CERAMIC TILE	SEE SPECIFICATIONS: 09 91 00 - PAINTING, 09 30 13 - CERAMIC TILING, AND 03 35 16 - HEAVY-DUTY CONCRETE FLOOR FINISHING
MEDIUM VOLTAGE SWITCHGEAR ROOM	PRIMED AND PAINTED WITH WHITE PAINT	NON-SLIP AND ABRASION RESISTANT FLOOR FINISH, IN GREY	CONCRETE WALLS PRIMED AND PAINTED WITH WHITE PAINT, TILE OVER CMU BLOCKS WITH A 5"X10" LIGHT BLUE GLAZED CERAMIC TILE	SEE SPECIFICATIONS: 09 91 00 - PAINTING, 09 30 13 - CERAMIC TILING, AND 03 35 16 - HEAVY-DUTY CONCRETE FLOOR FINISHING
SECURITY ROOM	PRIMED AND PAINTED WITH WHITE PAINT AND DROP CEILING	NON-SLIP AND ABRASION RESISTANT FLOOR FINISH, IN GREY	CONCRETE WALLS PRIMED AND PAINTED WITH WHITE PAINT, TILE OVER CMU BLOCKS WITH A 5"X10" LIGHT BLUE GLAZED CERAMIC TILE	SEE SPECIFICATIONS: 09 91 00 - PAINTING, 09 30 13 - CERAMIC TILING, 09 51 01- SUSPENDED ACOUSATICAL CEILING, AND 03 35 16 - HEAVY-DUTY CONCRETE FLOOR FINISHING
EYEWASH ENCLOSURE	PRIMED AND PAINTED WITH WHITE PAINT	NON-SLIP AND ABRASION RESISTANT FLOOR FINISH, IN GREY	CONCRETE WALLS PRIMED AND PAINTED WITH WHITE PAINT, CMU WALLS COATED IN POLYMER CEMENT COATING WITH 5"X10" LIGHT BLUE GLAZED CERAMIC TILE	SEE SPECIFICATIONS: 09 88 00 - PROTECTIVE COATINGS, 09 91 00 - PAINTING, 09 30 13 - CERAMIC TILING ,AND 03 35 16 - HEAVY-DUTY CONCRETE FLOOR FINISHING
-				
-				
-				

2







LOUVER SCHEDULE DETAILS

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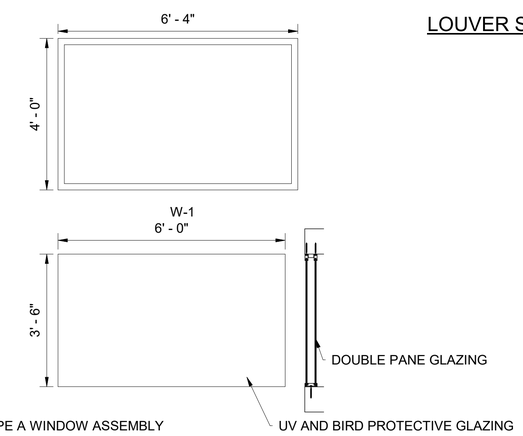

WINDOW SCHEDULE DETAILS

SCALE: N.T.S.

NYC Environmental Protection BEDC/HD

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
2	08/23	ADDENDUM NO.3	RC
1	07/23	ADDENDUM NO.2	RC

DESIGNED BY: R.C., H.F.
CHECKED BY: ROBERT CUEVAS, R.A.
DESIGN LEAD: HOWARD FREIDMAN
SECTION MANAGER: ROBERT CUEVAS, R.A.
DRAWN BY: HOWARD FRIEDMAN

REGISTERED ARCHITECT ROBERT DENIS CUEVAS 027924 STATE OF NEW YORK

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ARCHITECTURAL
ELECTRICAL BUILDING
WINDOW, LOUVER, & FINSIH SCHEDULES

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-A-601.02

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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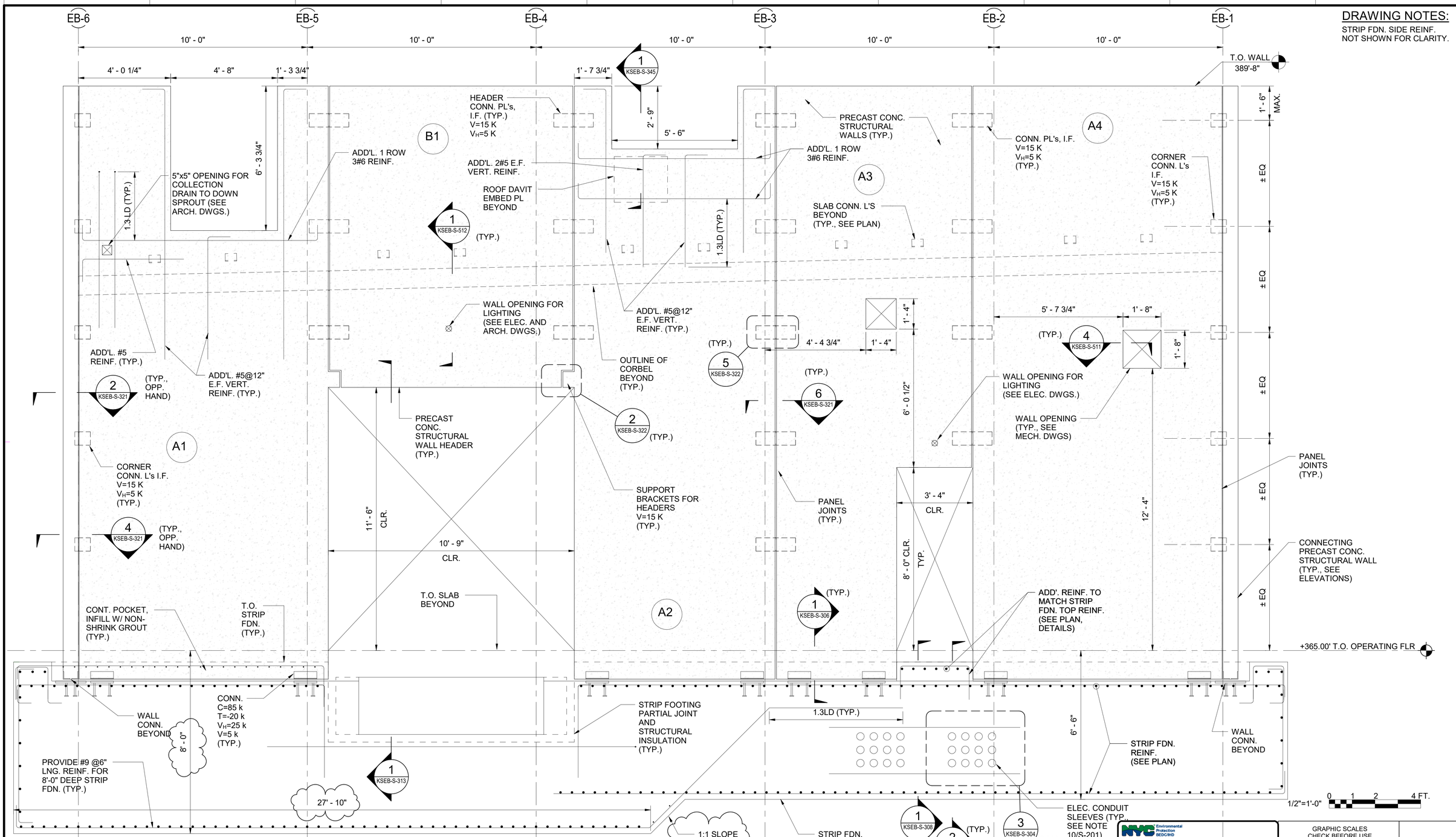

DRAWING NOTES:

STRIP FDN. SIDE REINF. NOT SHOWN FOR CLARITY.

4 KSEB-S-102 NORTH PRECAST STRUCTURAL WALL REINFORCING LAYOUT ELEVATIONS (LOOKING SOUTH)

SCALE: 1/2" = 1'-0"

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/23	ADDENDUM #3	CC

DESIGNED BY: CC, AM
DRAWN BY: CC, AM, XX
CHECKED BY: CC, PMB, LERA
DESIGN LEAD: CLEMENT CHAN, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK CLEMENT CHAN 080938 LICENSED PROFESSIONAL ENGINEER 08/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

STRUCTURAL
ELECTRICAL BUILDING
NORTH WALL CONNECTION ELEVATION

DATE: JULY 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-S-203.01

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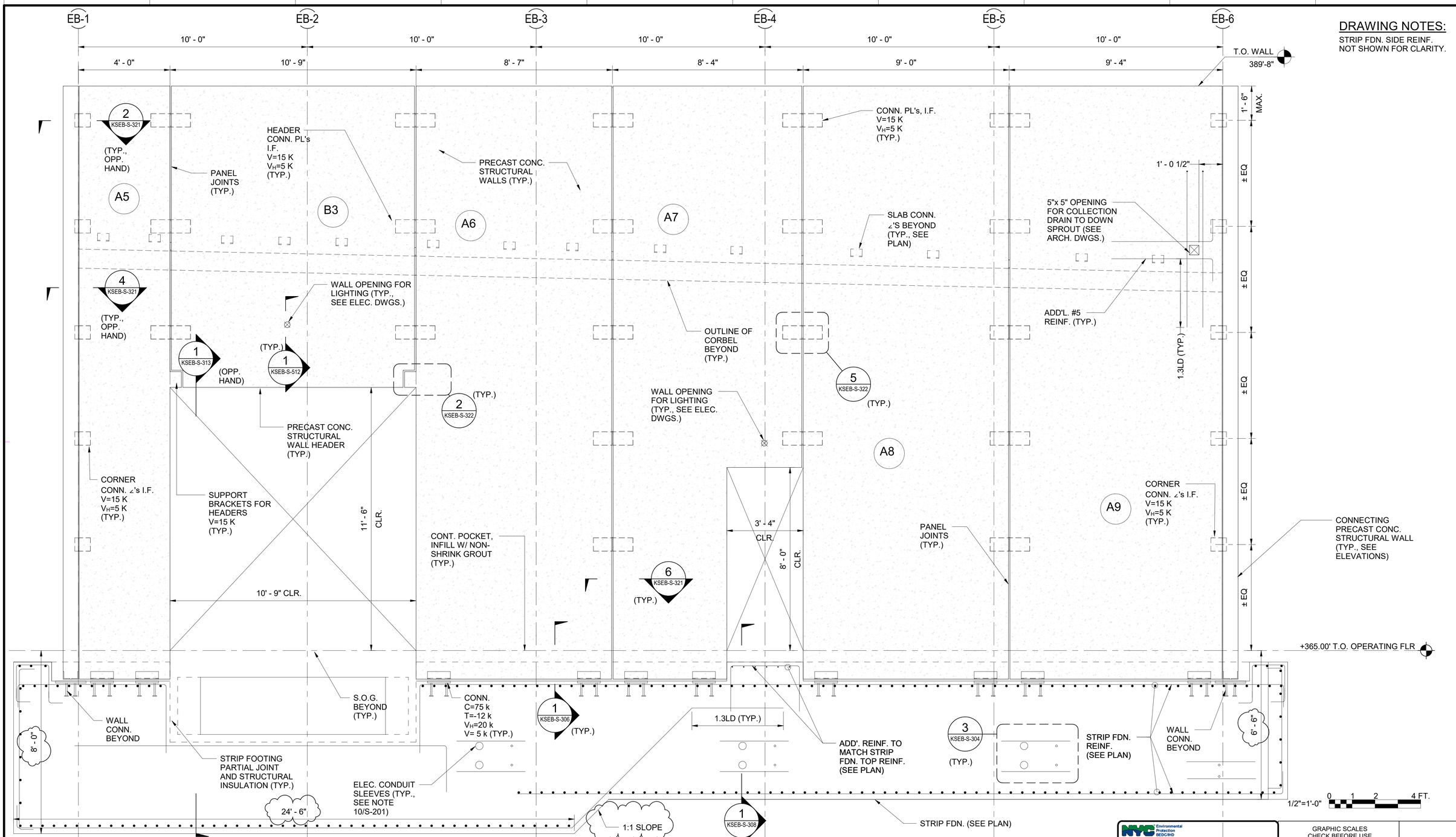

DRAWING NOTES:

STRIP FDN. SIDE REINF. NOT SHOWN FOR CLARITY.

7 KSEB-S-102 SOUTH PRECAST STRUCTURAL WALL REINFORCING LAYOUT ELEVATION (LOOKING NORTH)

SCALE: 1/2" = 1'-0"

ADDENDUM NO. 3

DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/23	ADDENDUM #3	CC

DESIGNED BY: CC, AM
DRAWN BY: CC, AM, XX
CHECKED BY: CC, PMB, LERA
DESIGN LEAD: CLEMENT CHAN, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · CLEMENT CHAN · 080938 · LICENSED PROFESSIONAL ENGINEER · 08/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

STRUCTURAL
ELECTRICAL BUILDING
SOUTH WALL CONNECTION ELEVATION

DATE: JULY 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-S-206.01

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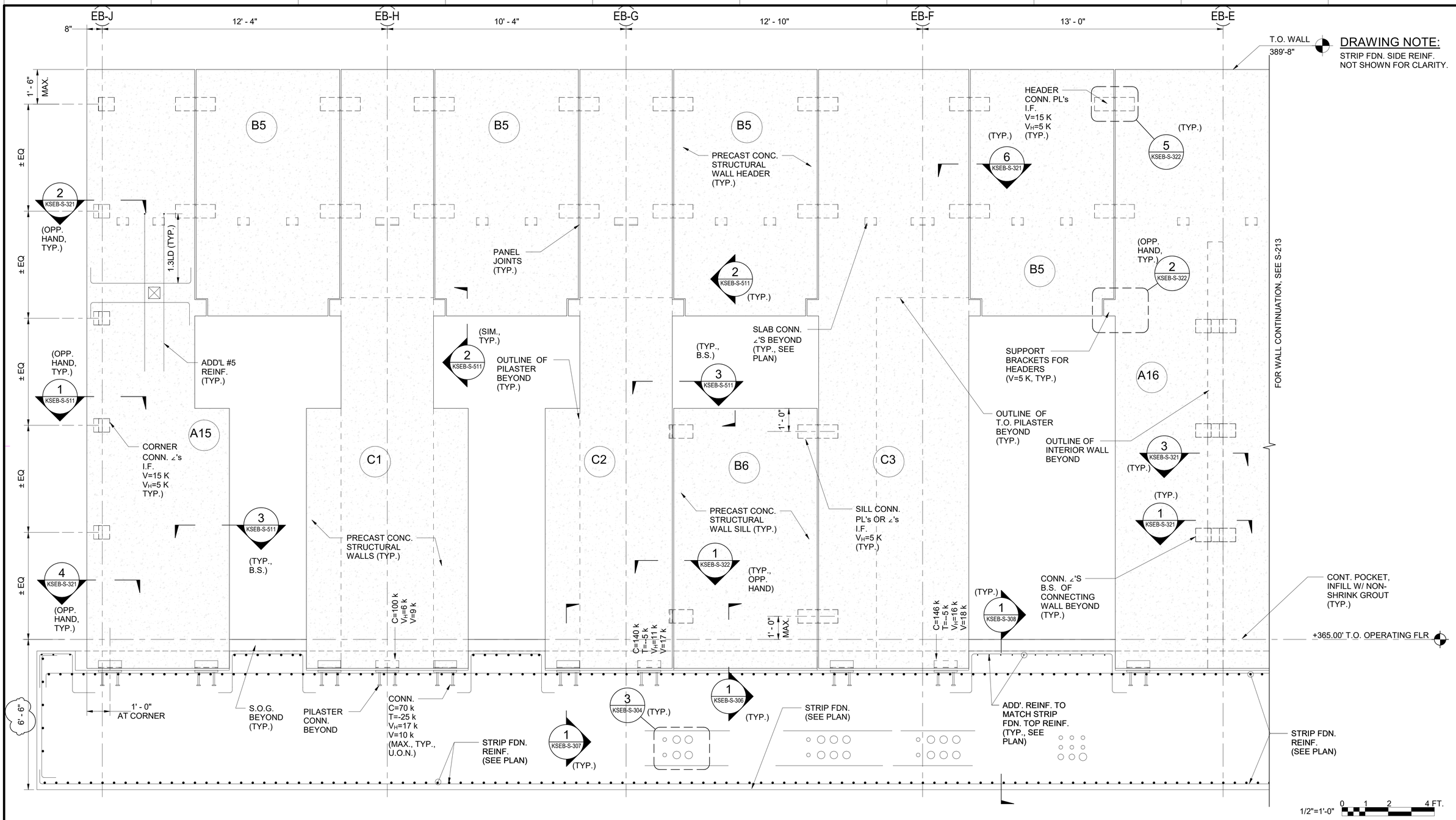

12 KSEB-S-102 WEST PRECAST STRUCTURAL WALL REINFORCING LAYOUT ELEVATION (LOOKING EAST)(NORTHERN PORTION)

SCALE: 1/2" = 1'-0"

NYC Environmental Protection BEDC/HD

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/23	ADDENDUM #3	CC

DESIGNED BY: CC, AM
DRAWN BY: CC, AM, XX
CHECKED BY: CC, PMB, LERA
DESIGN LEAD: CLEMENT CHAN, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · CLEMENT CHAN · 080939 · LICENSED PROFESSIONAL ENGINEER · 08/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

STRUCTURAL
ELECTRICAL BUILDING - WEST WALL
CONNECTION PARTIAL ELEVATION (NORTH)

DATE: JULY 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-S-211.01

BIM 360://Kensico-Eastview Connector (KEC)/KSEB-S_MODEL_IHD.rvt

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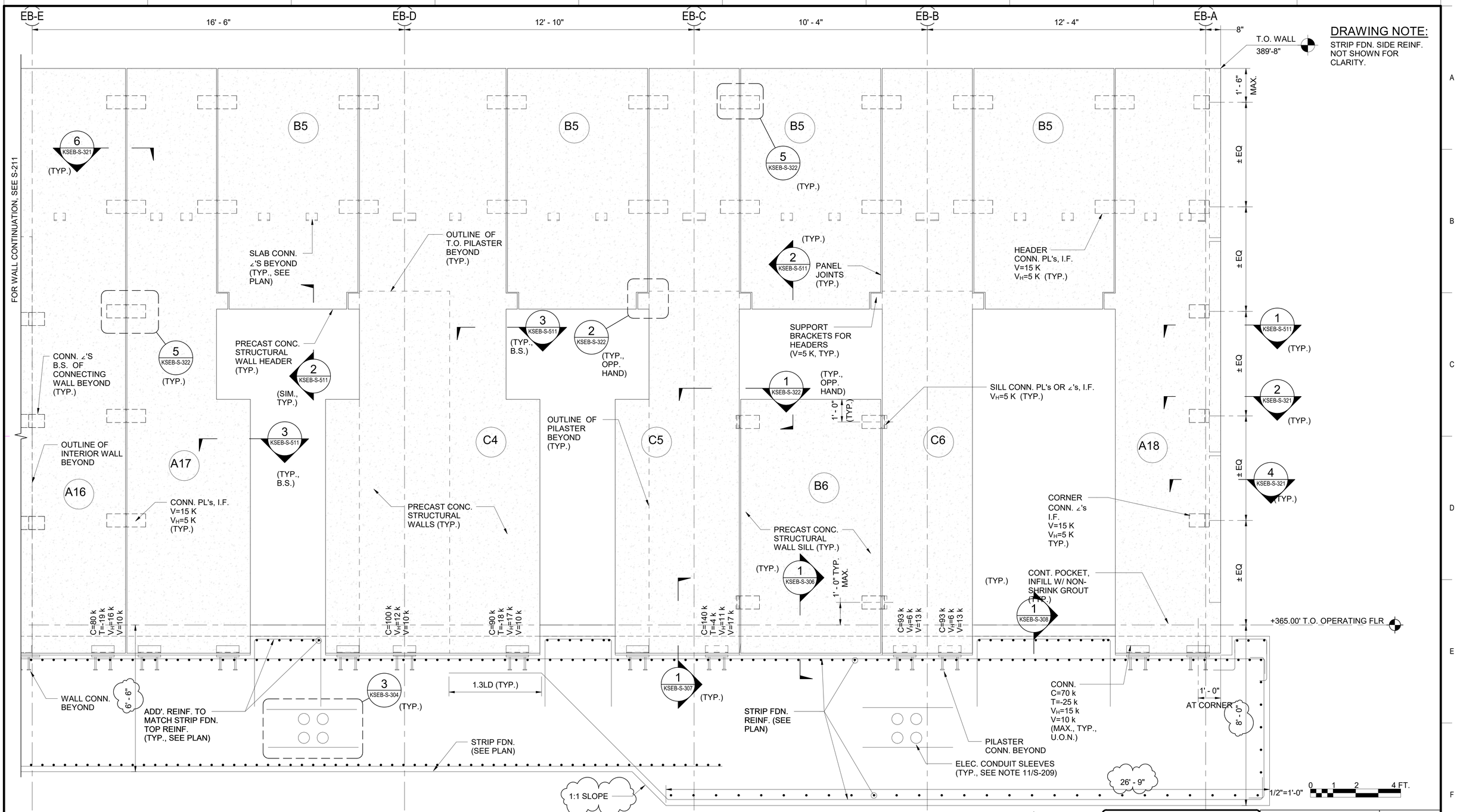

DRAWING NOTE:

STRIP FDN. SIDE REINF. NOT SHOWN FOR CLARITY.

14 KSEB-S-103 WEST PRECAST STRUCTURAL WALL REINFORCING LAYOUT ELEVATION (LOOKING EAST) (SOUTHERN PORTION)

SCALE: 1/2" = 1'-0"

NYC Environmental Protection BEDC&D

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/23	ADDENDUM #3	CC

DESIGNED BY: CC, AM
DRAWN BY: CC, AM, XX
CHECKED BY: CC, PMB, LERA
DESIGN LEAD: CLEMENT CHAN, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE

STATE OF NEW YORK · CLEMENT CHAN · 080939 · 08/23 · LICENSED PROFESSIONAL ENGINEER

NYC Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

STRUCTURAL
ELECTRICAL BUILDING - WEST WALL
CONNECTION PARTIAL ELEVATION (SOUTH)

DATE: JULY 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-S-213.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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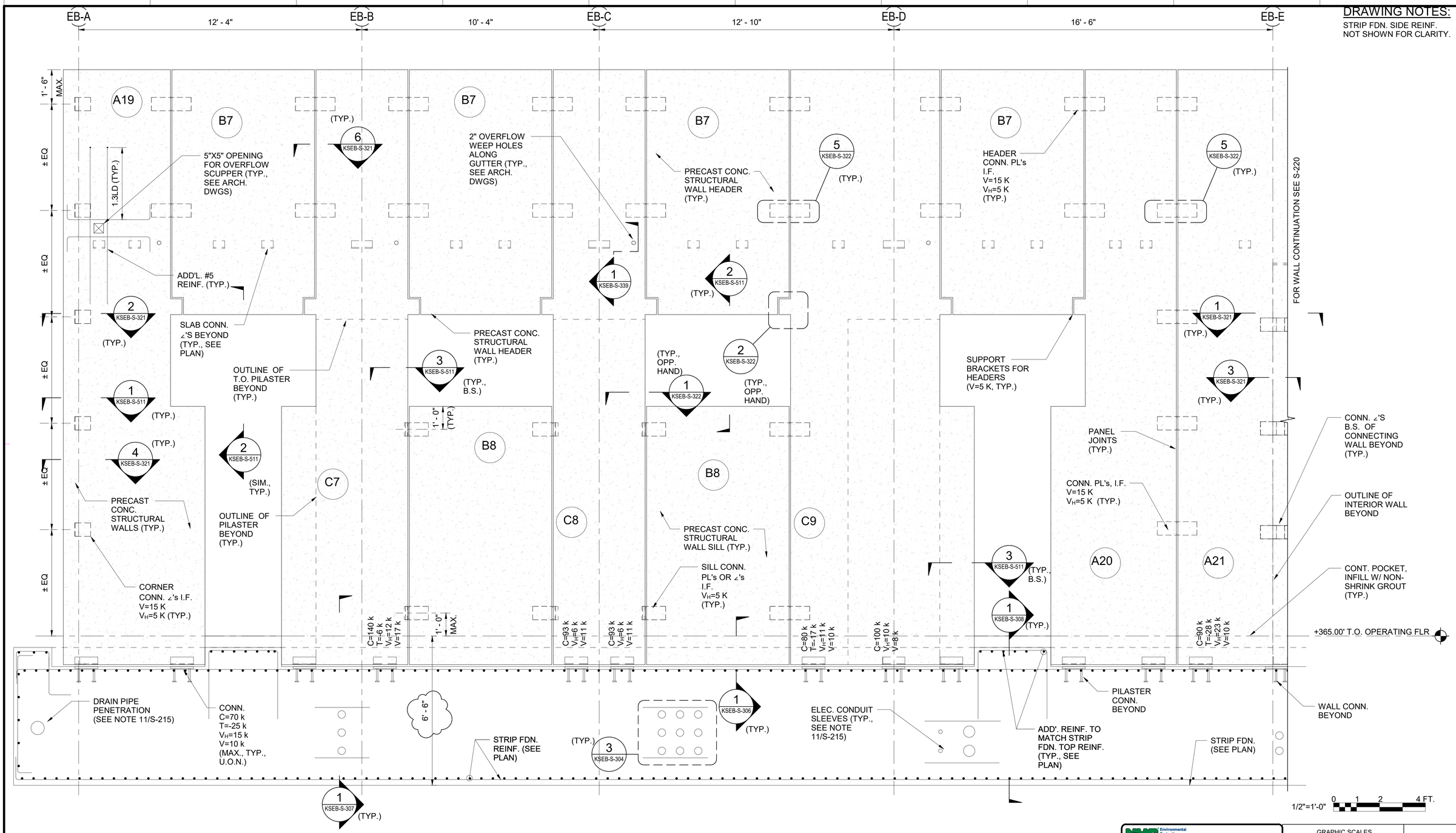

DRAWING NOTES:

STRIP FDN. SIDE REINF. NOT SHOWN FOR CLARITY.

19 / KSEB-S-103 EAST PRECAST STRUCTURAL WALL REINFORCING LAYOUT ELEVATION (LOOKING WEST, SOUTHERN PORTION)

SCALE: 1/2" = 1'-0"

NYC Environmental Protection BEDC&RD

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/23	ADDENDUM #3	CC

DESIGNED BY: CC, AM
CHECKED BY: CC, PMB, LERA
DESIGN LEAD: CLEMENT CHAN, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, AM, XX

STATE OF NEW YORK · CLEMENT CHAN · 080938 · LICENSED PROFESSIONAL ENGINEER · 08/23

NYC Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

STRUCTURAL
ELECTRICAL BUILDING - EAST WALL
CONNECTION PARTIAL ELEVATION (SOUTH)

DATE: JULY 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-S-217.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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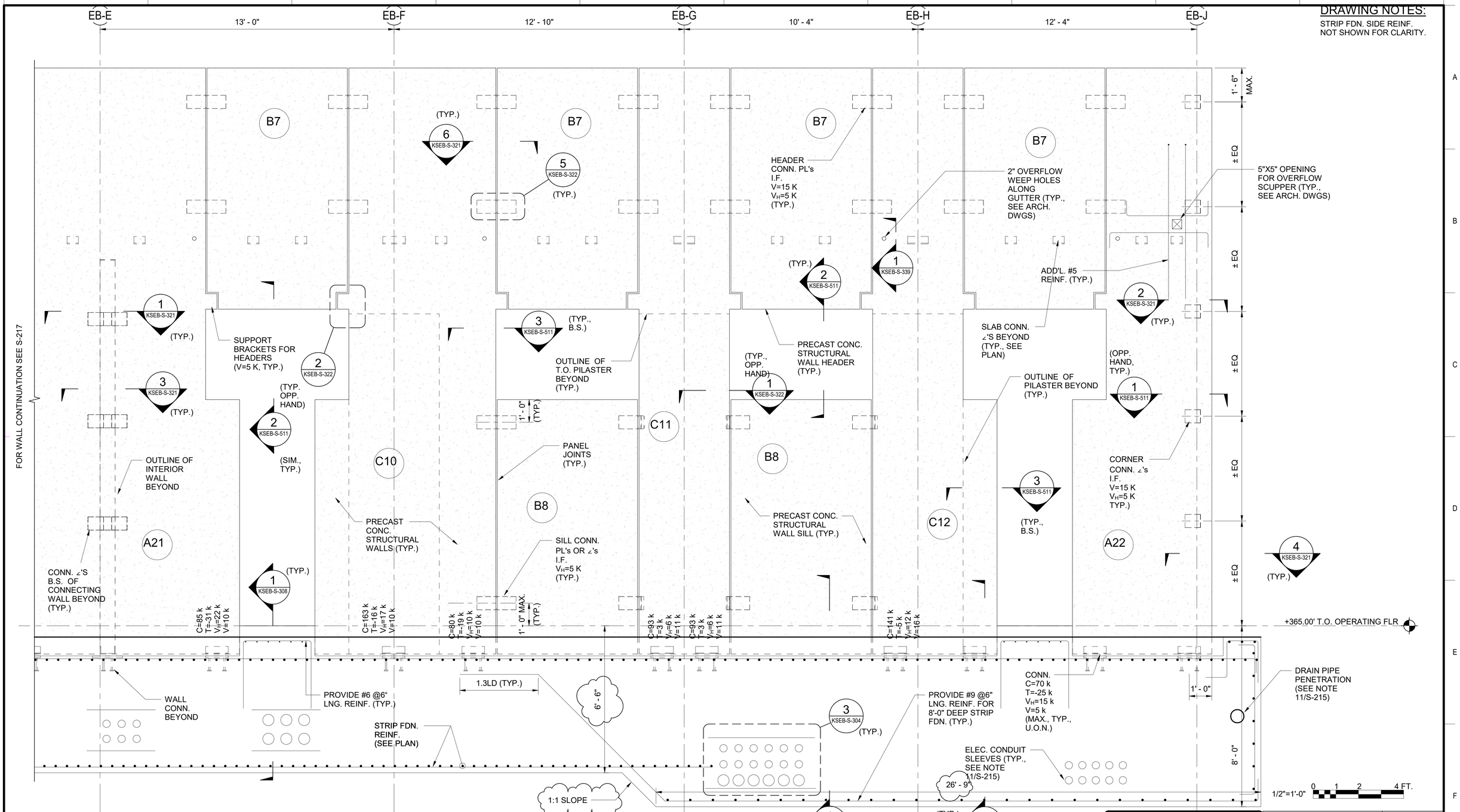

DRAWING NOTES:

STRIP FDN. SIDE REINF. NOT SHOWN FOR CLARITY.

21 KSEB-S-103 EAST PRECAST STRUCTURAL WALL REINFORCING LAYOUT ELEVATION (LOOKING WEST, NORTHERN PORTION)

SCALE: 1/2" = 1'-0"

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/23	ADDENDUM #3	CC

DESIGNED BY: CC, AM
CHECKED BY: CC, PMB, LERA
DESIGN LEAD: CLEMENT CHAN, PE
SECTION MANAGER: ALEXANDER LOPEZ, PE
DRAWN BY: CC, AM, XX

STATE OF NEW YORK CLEMENT CHAN 088935 08/23 LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER JUSTIN RIVELLINO
PORTFOLIO MANAGER LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN MICHAEL LOEHR, PE

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BUREAU OF ENGINEERING DESIGN & CONSTRUCTION
96-05 HORACE HARDING EXPRESSWAY 5th FLOOR
CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

STRUCTURAL
ELECTRICAL BUILDING - EAST WALL
CONNECTION PARTIAL ELEVATION (NORTH)

DATE: JULY 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-S-219.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

BIM 360://Kensico-Eastview Connector (KEC)/KSEB-S_MODEL_IHD.rvt
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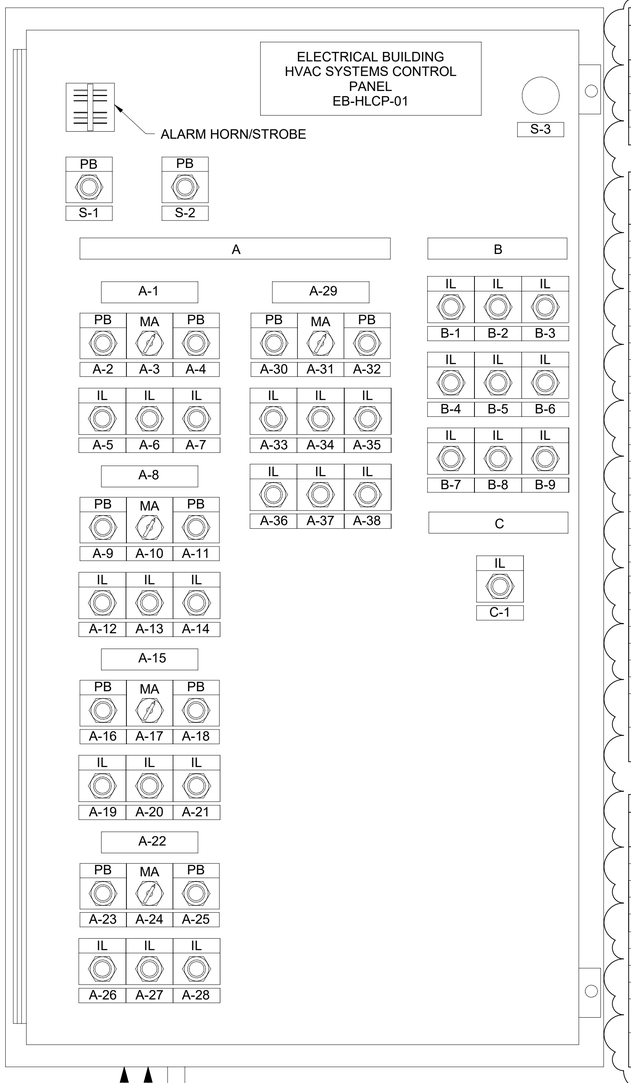

EXHAUST FAN, SUPPLY FAN STATUS, ALARM, AND CONTROL TO FIELD DEVICES

TO MOTOR STARTERS (THERMAL OVERLOAD FAULT, MOTOR RUNNING, START-STOP SIGNAL) FOR FANS (BY DIVISION 26)

120V POWER

RTU-1 FAULT SIGNAL FROM RTU-1 CONTROLLER

1 CONTROL PANEL EB-HLCP-01 DETAIL

SCALE: N.T.S.

EQUIPMENT FAULT INDICATION

INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
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30	EAF-7-FAULT	BATTERY ROOM EAF-7 FAULT INDICATION
31	EAF-8-FAULT	BATTERY ROOM EAF-8 FAULT INDICATION
32	EAF-9-FAULT	FIRE SUPPRESSION ROOM EAF-9 FAULT INDICATION
33	EAF-5-FAULT	SECURITY ROOM EAF-5 FAULT INDICATION

EQUIPMENT STATUS INDICATION

INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
1	ACU-1-IND	SECURITY ROOM ACU-1 ON INDICATION
2	ACU-2-IND	COMMUNICATION ROOM ACU-2 ON INDICATION
3	RTU-1-IND	UNIT SUBSTATION ROOM RTU-1 ON INDICATION
4	RTU-2-IND	MV SWITCHGEAR ROOM RTU-2 ON INDICATION
5	RTU-3-IND	BATTERY ROOM RTU-3 ON INDICATION
6	RTU-4-IND	BATTERY ROOM RTU-3 ON INDICATION
7	EUH-1-IND	BATTERY ROOM EUH-1 ON INDICATION
8	EUH-2-IND	FIRE SUPPRESSION ROOM EUH-2 ON INDICATION
9	EUH-3-IND	MV SWITCHGEAR ROOM EUH-3 ON INDICATION
10	EUH-4-IND	MV SWITCHGEAR ROOM EUH-4 ON INDICATION
11	EUH-5-IND	MV SWITCHGEAR ROOM EUH-5 ON INDICATION
12	EUH-6-IND	MV SWITCHGEAR ROOM EUH-6 ON INDICATION
13	EUH-7-IND	MV SWITCHGEAR ROOM EUH-7 ON INDICATION
14	EUH-8-IND	MV SWITCHGEAR ROOM EUH-8 ON INDICATION
15	EAF-1-IND	UNIT SUBSTATION ROOM EAF-1 ON INDICTION
16	EAF-2-IND	UNIT SUBSTATION ROOM EAF-2 ON INDICTION
17	EAF-3-IND	MV SWITCHGEAR ROOM EAF-3 ON INDICATION
18	EAF-4-IND	MV SWITCHGEAR ROOM EAF-4 ON INDICATION
19	EAF-5-IND	SECURITY ROOM EAF-5 ON INDICATION
20	EAF-6-IND	COMMUNICATION ROOM EAF-6 ON INDICATION
21	EAF-7-IND	BATTERY ROOM EAF-7 ON INDICATION
22	EAF-8-IND	BATTERY ROOM EAF-8 ON INDICATION
23	EAF-9-IND	FIRE SUPPRESSION ROOM EAF-9 ON INDICATION
24	SAF-1-IND	UNIT SUBSTATION ROOM SAF-1 ON INDICTION
25	SAF-2-IND	UNIT SUBSTATION ROOM SAF-2 ON INDICTION
26	SAF-3-IND	MV SWITCHGEAR ROOM SAF-3 ON INDICATION
27	SAF-4-IND	MV SWITCHGEAR ROOM SAF-4 ON INDICATION
28	SAF-4-IND	MV SWITCHGEAR ROOM SAF-4 ON INDICATION
29	HT-1-IND	COMBINATION EMERGENCY SHOWER EYE/FACE WASH HEAT TRACE ON INDICATION
29	HT-2-IND	BACKFLOW PREVENTER ENCLOSURE HEATER ON INDICATION

SPACE MONITORING TROUBLE ALARMS

INPUT [#]	POINT ID [#]	POINT DESCRIPTION [#]
34	BATT-RM-HI-TEMP-ALARM	BATTERY ROOM HIGH TEMPERATURE ALARM
35	COMM-RM-HI-TEMP-ALARM	COMMUNICATION ROOM HIGH TEMPERATURE ALARM
36	FIRE-SUP-RM-HI-TEMP-ALARM	FIRE SUPPRESSION ROOM HIGH TEMPERATURE ALARM
37	SEC-RM-HI-TEMP-ALARM	SECURITY ROOM HIGH TEMPERATURE ALARM
38	UNIT-SBSTN-RM-HI-TEMP-ALARM	UNIT SUBSTATION ROOM HIGH TEMPERATURE ALARM
39	MV-SWGR-HI-TEMP-ALARM	MV SWITCHGEAR ROOM HIGH TEMPERATURE ALARM
40	BATT-RM-LOW-TEMP-ALARM	BATTERY ROOM LOW TEMPERATURE ALARM
41	SEC-RM-LOW-TEMP-ALARM	SECURITY ROOM LOW TEMPERATURE ALARM
42	FIRE-SUP-RM-LOW-TEMP-ALARM	FIRE SUPPRESSION ROOM LOW TEMPERATURE ALARM
43	HEAT-TRACE-LOW-TEMP-ALARM	COMBINATION EMERGENCY SHOWER EYE/FACE WASH LOW TEMPERATURE ALARM
44	ENC-LOW-TEMP-ALARM	BACKFLOW PREVENTER ENCLOSURE HEATER LOW TEMPERATURE ALARM

1

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	UNIT SUBSTATION ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-1	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	DAMPER OPEN (RED)	INDICATION LIGHTS
A-8	EAF-2	NAMEPLATE
A-9	START	PUSHBUTTON
A-10	MANUAL/AUTO	SELECTOR SWITCH
A-11	STOP	PUSHBUTTON
A-12	READY (GREEN)	INDICATION LIGHTS
A-13	RUNNING (RED)	INDICATION LIGHTS
A-14	DAMPER OPEN (RED)	INDICATION LIGHTS
A-15	SAF-1	NAMEPLATE
A-16	START	PUSHBUTTON
A-17	MANUAL/AUTO	SELECTOR SWITCH
A-18	STOP	PUSHBUTTON
A-19	READY (GREEN)	INDICATION LIGHTS
A-20	RUNNING (RED)	INDICATION LIGHTS
A-21	DAMPER OPEN (RED)	INDICATION LIGHTS
A-22	SAF-2	NAMEPLATE
A-23	START	PUSHBUTTON
A-24	MANUAL/AUTO	SELECTOR SWITCH
A-25	STOP	PUSHBUTTON
A-26	READY (GREEN)	INDICATION LIGHTS
A-27	RUNNING (RED)	INDICATION LIGHTS
A-28	DAMPER OPEN (RED)	INDICATION LIGHTS
A-29	RTU-1	NAMEPLATE
A-30	START	PUSHBUTTON
A-31	MANUAL/AUTO	SELECTOR SWITCH
A-32	STOP	PUSHBUTTON
A-33	READY (GREEN)	INDICATION LIGHTS
A-34	RUNNING (RED)	INDICATION LIGHTS
A-35	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-36	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-37	MD-01 DAMPER OPEN (RED)	INDICATION LIGHTS
A-38	MD-02 DAMPER OPEN (RED)	INDICATION LIGHTS

NOTES:

1. PROVIDE NAMEPLATE FOR EVERY PANEL WITH MULTIPLE SOURCES OF POWER. THE NAMEPLATE SHALL BE RED BACKGROUND, WHITE LETTERS AND IT SHALL READ: "WARNING-THIS DEVICE IS CONNECTED TO MULTIPLE SOURCES OF POWER". TYPICAL FOR ALL PANELS WITH MULTIPLE POWER SOURCES.
2. ALL START/STOP OR OPEN/CLOSE PUSHBUTTONS SHALL BE ILLUMINATED LED FLUSH-GUARDED SERIES. ALL INDICATOR LIGHTS SHALL BE LED, PUSH-TO-TEST.
3. PILOT DEVICES COLOR CODE:
   A. START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
   B. STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
   C. VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
   D. VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
   E. ALARM OR FAULT - AMBER
   F. TEST OR SILENCE PUSHBUTTON - BLACK
   G. EMERGENCY STOP MOMENTARY
   H. MUSHROOM PUSHBUTTON - YELLOW
4. REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS
5. PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED
6. PROVIDE EQUIPMENT NUMBER AND TAG UNDER EACH OPERATING CONTROL AS PER SPECIFICATION 23 05 53 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT.
7. 120VAC POWER TO CONTROL PANEL SHALL BE PROVIDED BY DIVISION 26. ALL OTHER CONTROL AND POWER WIRING AND CONDUIT FROM CONTROL PANEL TO ALL REMOTE DEVICES, SUCH AS THERMOSTATS, DAMPER ACTUATORS, SENSORS, SWITCHES, ETC., SHALL BE PROVIDED UNDER DIVISION 23. GENERAL NOTES.
8. CONTRACTOR SHALL HIRE A BWS-APPROVED SCADA INTEGRATOR TO MODIFY THE EXISTING SCADA SYSTEM AT THE FLUORIDE BUILDING TO MONITOR STATED POINTS VIA FIBER CONNECTIVITY WITH HVAC SYSTEMS CONTROL PANEL EB-HLCP-01 THROUGH EB-HLCP-04. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED HARDWARE SOFTWARE INCLUDING GATEWAYS TO MONITOR THESE POINTS ON SCADA (HMI) SYSTEM. INTEGRATOR TO COORDINATE PROTOCOL WITH EB-HLCP-01 PANEL SUPPLIER.
9. AS A MINIMUM, THE FOLLOWING SIGNALS SHALL BE SENT TO FLUORIDE BUILDING CONTROL PANEL (PLC) FOR MONITORING ONLY

1

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	UNIT SUBSTATION ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAF-1 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAF-1 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAF-2 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAF-2 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-5	SAF-1 FAULT (AMBER)	INDICATION LIGHTS
B-6	SAF-1 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-7	SAF-2 FAULT (AMBER)	INDICATION LIGHTS
B-8	SAF-2 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-9	RTU-1 FAULT (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	SMOKE ALARMS	NAMEPLATE
C-1	SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

VERTICAL DATUM CONVERSION (ft) +1.28 BWS 0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
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DRAWN BY: AP
CHECKED BY: RPP
DESIGN LEAD: DEEPAK KANDRA, PE
SECTION MANAGER:

ARUP

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 1

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-H-905.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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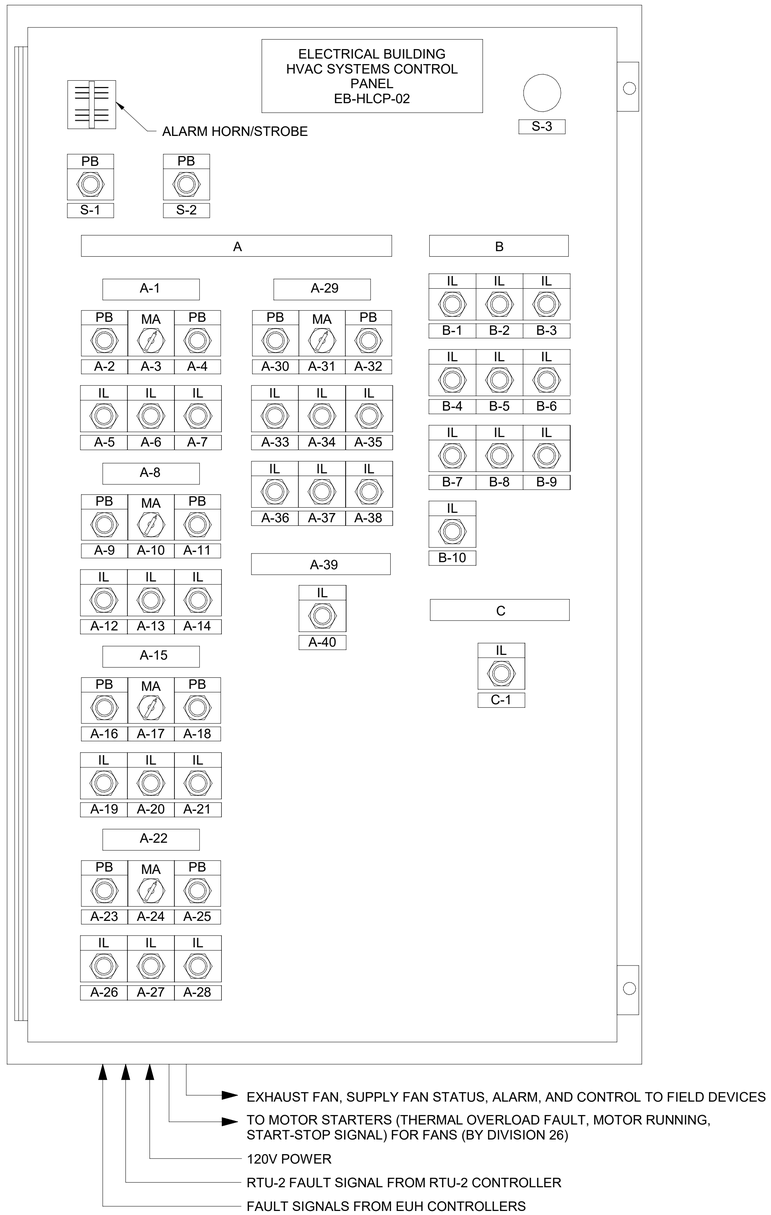

1 CONTROL PANEL EB-HLCP-02 DETAIL

SCALE: N.T.S.

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	MV SWITCHGEAR ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-3	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	DAMPER OPEN (RED)	INDICATION LIGHTS
A-8	EAF-4	NAMEPLATE
A-9	START	PUSHBUTTON
A-10	MANUAL/AUTO	SELECTOR SWITCH
A-11	STOP	PUSHBUTTON
A-12	READY (GREEN)	INDICATION LIGHTS
A-13	RUNNING (RED)	INDICATION LIGHTS
A-14	DAMPER OPEN (RED)	INDICATION LIGHTS
A-15	SAF-3	NAMEPLATE
A-16	START	PUSHBUTTON
A-17	MANUAL/AUTO	SELECTOR SWITCH
A-18	STOP	PUSHBUTTON
A-19	READY (GREEN)	INDICATION LIGHTS
A-20	RUNNING (RED)	INDICATION LIGHTS
A-21	DAMPER OPEN (RED)	INDICATION LIGHTS
A-22	SAF-4	NAMEPLATE
A-23	START	PUSHBUTTON
A-24	MANUAL/AUTO	SELECTOR SWITCH
A-25	STOP	PUSHBUTTON
A-26	READY (GREEN)	INDICATION LIGHTS
A-27	RUNNING (RED)	INDICATION LIGHTS
A-28	DAMPER OPEN (RED)	INDICATION LIGHTS
A-29	RTU-2	NAMEPLATE
A-30	START	PUSHBUTTON
A-31	MANUAL/AUTO	SELECTOR SWITCH
A-32	STOP	PUSHBUTTON
A-33	READY (GREEN)	INDICATION LIGHTS
A-34	RUNNING (RED)	INDICATION LIGHTS
A-35	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-36	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-37	MD-01 DAMPER OPEN (RED)	INDICATION LIGHTS
A-38	MD-02 DAMPER OPEN (RED)	INDICATION LIGHTS
A-39	HEATING	NAMEPLATE
A-40	EUH HEATING ON (RED)	INDICATION LIGHTS

NOTES:

1. PROVIDE NAMEPLATE FOR EVERY PANEL WITH MULTIPLE SOURCES OF POWER. THE NAMEPLATE SHALL BE RED BACKGROUND, WHITE LETTERS AND IT SHALL READ: "WARNING-THIS DEVICE IS CONNECTED TO MULTIPLE SOURCES OF POWER". TYPICAL FOR ALL PANELS WITH MULTIPLE POWER SOURCES.

2. ALL START/STOP OR OPEN/CLOSE PUSHBUTTONS SHALL BE ILLUMINATED LED FLUSH-GUARDED SERIES. ALL INDICATOR LIGHTS SHALL BE LED, PUSH-TO-TEST.

3. PILOT DEVICES COLOR CODE:
   A. START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
   B. STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
   C. VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
   D. VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
   E. ALARM OR FAULT - AMBER
   F. TEST OR SILENCE PUSHBUTTON - BLACK
   G. EMERGENCY STOP MOMENTARY
   H. MUSHROOM PUSHBUTTON - YELLOW

4. REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS

5. PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED

6. PROVIDE EQUIPMENT NUMBER AND TAG UNDER EACH OPERATING CONTROL AS PER SPECIFICATION 23 05 53 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT.

7. 120VAC POWER TO CONTROL PANEL SHALL BE PROVIDED BY DIVISION 26. ALL OTHER CONTROL AND POWER WIRING AND CONDUIT FROM CONTROL PANEL TO ALL REMOTE DEVICES, SUCH AS THERMOSTATS, DAMPER ACTUATORS, SENSORS, SWITCHES, ETC., SHALL BE PROVIDED UNDER DIVISION 23.

GENERAL NOTES.

8. CONTRACTOR SHALL HIRE A BWS-APPROVED SCADA INTEGRATOR TO MODIFY THE EXISTING SCADA SYSTEM AT THE FLUORIDE BUILDING TO MONITOR STATED POINTS VIA FIBER CONNECTIVITY WITH HVAC SYSTEMS CONTROL PANEL EB-HLCP-01 THROUGH EB-HLCP-04. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED HARDWARE SOFTWARE INCLUDING GATEWAYS TO MONITOR THESE POINTS ON SCADA (HMI) SYSTEM. INTEGRATOR TO COORDINATE PROTOCOL WITH EB-HLCP-01 PANEL SUPPLIER.

9. AS A MINIMUM, THE FOLLOWING SIGNALS SHALL BE SENT TO FLUORIDE BUILDING CONTROL PANEL (PLC) FOR MONITORING ONLY

1

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	MV SWITCHGEAR ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAF-3 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAF-3 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAF-4 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAF-4 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-5	SAF-3 FAULT (AMBER)	INDICATION LIGHTS
B-6	SAF-3 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-7	SAF-4 FAULT (AMBER)	INDICATION LIGHTS
B-8	SAF-4 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-9	RTU-2 FAULT (AMBER)	INDICATION LIGHTS
B-10	EUH OVER TEMPERATURE (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	SMOKE ALARMS	NAMEPLATE
C-1	SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

ADDENDUM NO. 3

DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE

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DRAWN BY: AP
CHECKED BY: RPP
DESIGN LEAD: DEEPAK KANDRA, PE
SECTION MANAGER:

ARUP

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 2

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-H-906.01

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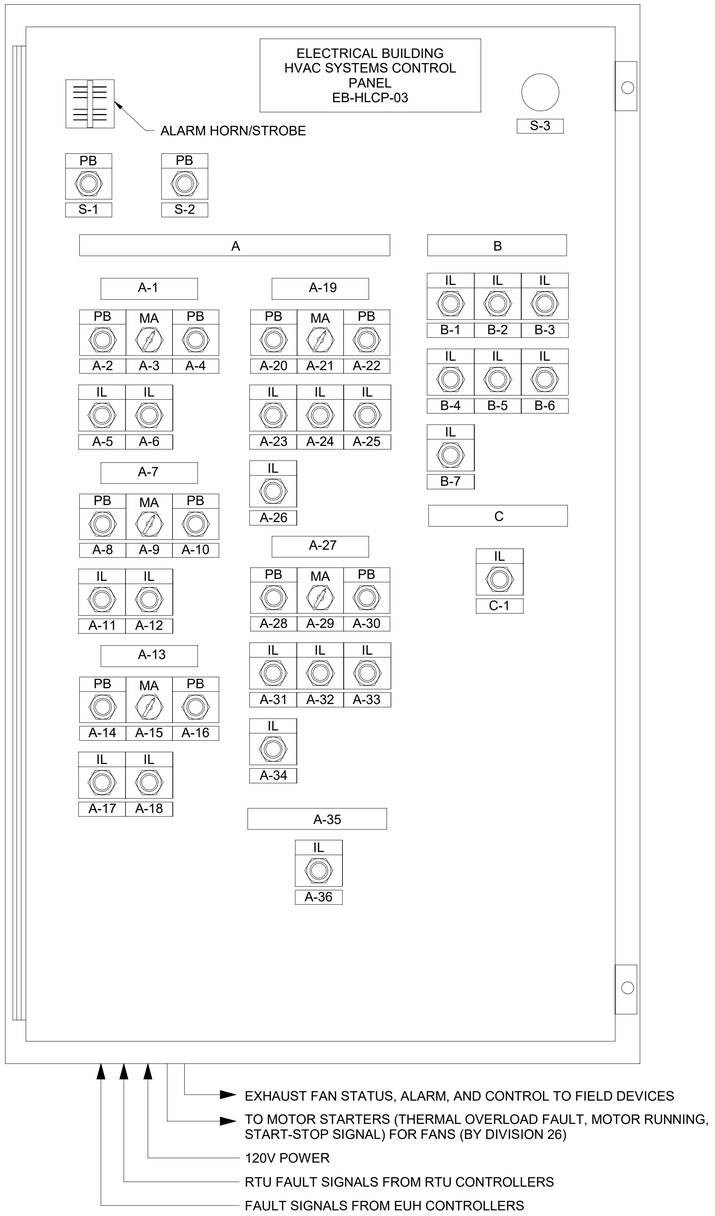

1 CONTROL PANEL EB-HLCP-03 DETAIL

SCALE: N.T.S.

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	BATTERY ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-7	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	EAF-8	NAMEPLATE
A-8	START	PUSHBUTTON
A-9	MANUAL/AUTO	SELECTOR SWITCH
A-10	STOP	PUSHBUTTON
A-11	READY (GREEN)	INDICATION LIGHTS
A-12	RUNNING (RED)	INDICATION LIGHTS
A-13	DAMPERS	NAMEPLATE
A-14	MD-19 INTAKE DAMPER OPEN	PUSHBUTTON
A-15	MD-19 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
A-16	MD-19 INTAKE DAMPER CLOSE	PUSHBUTTON
A-17	MD-19 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
A-18	MD-20 EXHAUST DAMPER OPEN (RED)	INDICATION LIGHTS
A-19	RTU-3	NAMEPLATE
A-20	START	PUSHBUTTON
A-21	MANUAL/AUTO	SELECTOR SWITCH
A-22	STOP	PUSHBUTTON
A-23	READY (GREEN)	INDICATION LIGHTS
A-24	RUNNING (RED)	INDICATION LIGHTS
A-25	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-26	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-27	RTU-4	NAMEPLATE
A-28	START	PUSHBUTTON
A-29	MANUAL/AUTO	SELECTOR SWITCH
A-30	STOP	PUSHBUTTON
A-31	READY (GREEN)	INDICATION LIGHTS
A-32	RUNNING (RED)	INDICATION LIGHTS
A-33	SUPPLY DAMPER OPEN (RED)	INDICATION LIGHTS
A-34	RETURN DAMPER OPEN (RED)	INDICATION LIGHTS
A-35	HEATING	NAMEPLATE
A-36	EUH HEATING ON (RED)	INDICATION LIGHTS

NOTES:

1. PROVIDE NAMEPLATE FOR EVERY PANEL WITH MULTIPLE SOURCES OF POWER. THE NAMEPLATE SHALL BE RED BACKGROUND, WHITE LETTERS AND IT SHALL READ: "WARNING-THIS DEVICE IS CONNECTED TO MULTIPLE SOURCES OF POWER". TYPICAL FOR ALL PANELS WITH MULTIPLE POWER SOURCES.
2. ALL START/STOP OR OPEN/CLOSE PUSHBUTTONS SHALL BE ILLUMINATED LED FLUSH-GUARDED SERIES. ALL INDICATOR LIGHTS SHALL BE LED, PUSH-TO-TEST.
3. PILOT DEVICES COLOR CODE:
   - A. START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
   - B. STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
   - C. VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
   - D. VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
   - E. ALARM OR FAULT - AMBER
   - F. TEST OR SILENCE PUSHBUTTON - BLACK
   - G. EMERGENCY STOP MOMENTARY
   - H. MUSHROOM PUSHBUTTON - YELLOW
4. REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS
5. PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED
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1

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	BATTERY ROOM HVAC SYSTEM ALARMS	NAMEPLATE
B-1	EAF-7 FAULT (AMBER)	INDICATION LIGHTS
B-2	EAF-7 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-3	EAF-8 FAULT (AMBER)	INDICATION LIGHTS
B-4	EAF-8 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-5	RTU-3 FAULT (AMBER)	INDICATION LIGHTS
B-6	RTU-4 FAULT (AMBER)	INDICATION LIGHTS
B-7	EUH OVER TEMPERATURE (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	SMOKE ALARMS	NAMEPLATE
C-1	SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

ADDENDUM NO.

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 3

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-H-907.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

BIM 360://Kensico-Eastview Connector (KEC)/KSEB-M_MODEL_ARUP.rvt

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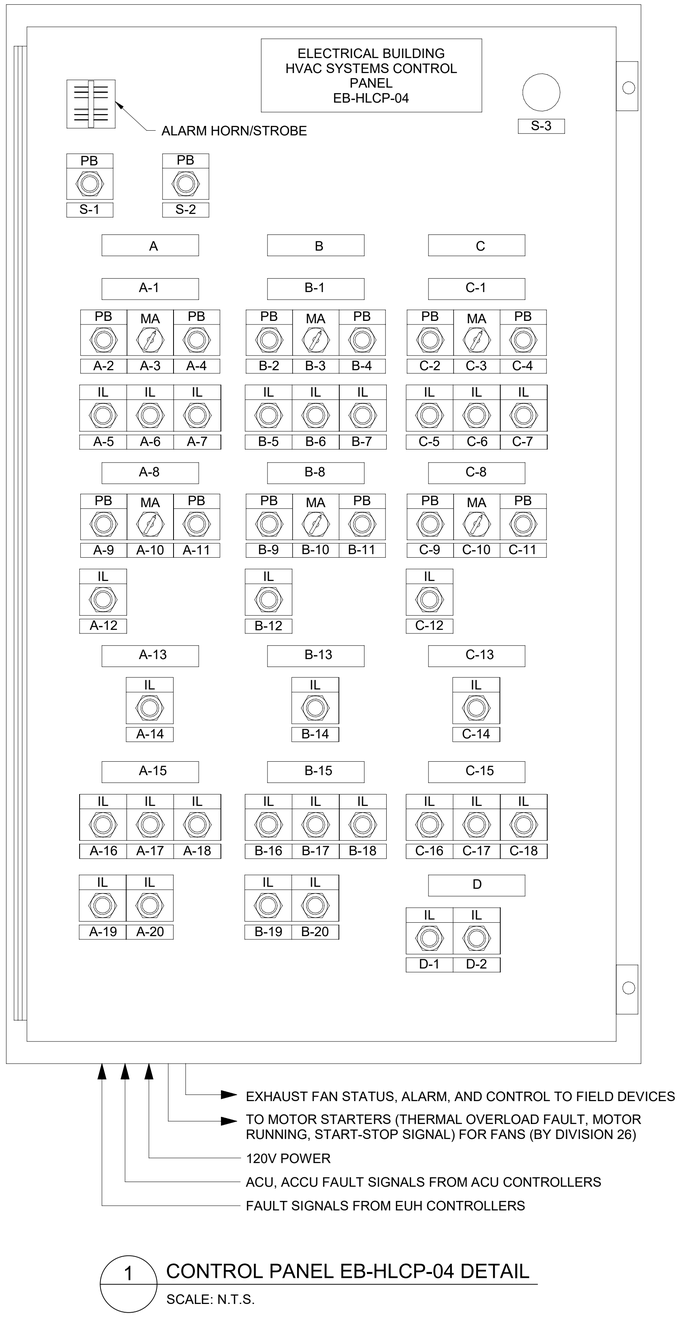

1 CONTROL PANEL EB-HLCP-04 DETAIL

SCALE: N.T.S.

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
S-1	ALARM SILENCE	PUSHBUTTON
S-2	SYSTEM RESET	PUSHBUTTON
S-3	E-STOP	MUSHROOM PUSHBUTTON

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
A	COMMUNICATIONS ROOM HVAC SYSTEM	NAMEPLATE
A-1	EAF-6	NAMEPLATE
A-2	START	PUSHBUTTON
A-3	MANUAL/AUTO	SELECTOR SWITCH
A-4	STOP	PUSHBUTTON
A-5	READY (GREEN)	INDICATION LIGHTS
A-6	RUNNING (RED)	INDICATION LIGHTS
A-7	DAMPER OPEN (RED)	INDICATION LIGHTS
A-8	INTAKE	NAMEPLATE
A-9	MD-13 INTAKE DAMPER OPEN	PUSHBUTTON
A-10	MD-13 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
A-11	MD-13 INTAKE DAMPER CLOSE	PUSHBUTTON
A-12	MD-13 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
A-13	COOLING	NAMEPLATE
A-14	ACU-2 COOLING ON (RED)	INDICATION LIGHTS
A-15	ALARMS	NAMEPLATE
A-16	EAF-6 FAULT (AMBER)	INDICATION LIGHTS
A-17	EAF-6 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
A-18	ACU-2 FAULT (AMBER)	INDICATION LIGHTS
A-19	ACU-2 LEAK DETECTION (AMBER)	INDICATION LIGHTS
A-20	ACCU-2 FAULT (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
B	SECURITY ROOM HVAC SYSTEM	NAMEPLATE
B-1	EAF-5	NAMEPLATE
B-2	START	PUSHBUTTON
B-3	MANUAL/AUTO	SELECTOR SWITCH
B-4	STOP	PUSHBUTTON
B-5	READY (GREEN)	INDICATION LIGHTS
B-6	RUNNING (RED)	INDICATION LIGHTS
B-7	DAMPER OPEN (RED)	INDICATION LIGHTS
B-8	INTAKE	NAMEPLATE
B-9	MD-11 INTAKE DAMPER OPEN	PUSHBUTTON
B-10	MD-11 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
B-11	MD-11 INTAKE DAMPER CLOSE	PUSHBUTTON
B-12	MD-11 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
B-13	COOLING	NAMEPLATE
B-14	ACU-1 COOLING ON (RED)	INDICATION LIGHTS
B-15	ALARMS	NAMEPLATE
B-16	EAF-5 FAULT (AMBER)	INDICATION LIGHTS
B-17	EAF-5 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
B-18	ACU-1 FAULT (AMBER)	INDICATION LIGHTS
B-19	ACU-1 LEAK DETECTION (AMBER)	INDICATION LIGHTS
B-20	ACCU-1 FAULT (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
C	FIRE SUPPRESSION ROOM HV SYSTEM	NAMEPLATE
C-1	EAF-9	NAMEPLATE
C-2	START	PUSHBUTTON
C-3	MANUAL/AUTO	SELECTOR SWITCH
C-4	STOP	PUSHBUTTON
C-5	READY (GREEN)	INDICATION LIGHTS
C-6	RUNNING (RED)	INDICATION LIGHTS
C-7	DAMPER OPEN (RED)	INDICATION LIGHTS
C-8	INTAKE	NAMEPLATE
C-9	MD-22 INTAKE DAMPER OPEN	PUSHBUTTON
C-10	MD-22 INTAKE DAMPER MANUAL/AUTO	SELECTOR SWITCH
C-11	MD-22 INTAKE DAMPER CLOSE	PUSHBUTTON
C-12	MD-22 INTAKE DAMPER OPEN (RED)	INDICATION LIGHTS
C-13	HEATING	NAMEPLATE
C-14	EUH-2 HEATING ON (RED)	INDICATION LIGHTS
C-15	ALARMS	NAMEPLATE
C-16	EAF-9 FAULT (AMBER)	INDICATION LIGHTS
C-17	EAF-9 AIRFLOW LOSS (AMBER)	INDICATION LIGHTS
C-18	EUH OVER TEMPERATURE (AMBER)	INDICATION LIGHTS

NAMEPLATE AND PILOT DEVICE SCHEDULE

NAMEPLATE ID	ENGRAVING	DEVICE TYPE
D	SMOKE ALARMS	NAMEPLATE
D-1	COMMUNICATIONS ROOM SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS
D-2	SECURITY ROOM SMOKE DETECTOR ALARM (AMBER)	INDICATION LIGHTS

NOTES:

1. PROVIDE NAMEPLATE FOR EVERY PANEL WITH MULTIPLE SOURCES OF POWER. THE NAMEPLATE SHALL BE RED BACKGROUND, WHITE LETTERS AND IT SHALL READ: "WARNING-THIS DEVICE IS CONNECTED TO MULTIPLE SOURCES OF POWER". TYPICAL FOR ALL PANELS WITH MULTIPLE POWER SOURCES.
2. ALL START/STOP OR OPEN/CLOSE PUSHBUTTONS SHALL BE ILLUMINATED LED FLUSH-GUARDED SERIES. ALL INDICATOR LIGHTS SHALL BE LED, PUSH-TO-TEST.
3. PILOT DEVICES COLOR CODE:
   A. START PUSHBUTTON AND RUN INDICATOR LIGHT - RED
   B. STOP PUSHBUTTON AND OFF INDICATOR LIGHT - GREEN
   C. VALVE/DAMPER OPEN PUSHBUTTON AND INDICATOR LIGHT - RED
   D. VALVE/DAMPER CLOSE PUSHBUTTON AND INDICATOR LIGHT - RED
   E. ALARM OR FAULT - AMBER
   F. TEST OR SILENCE PUSHBUTTON - BLACK
   G. EMERGENCY STOP MOMENTARY
   H. MUSHROOM PUSHBUTTON - YELLOW
4. REFER TO ELECTRICAL BUILDING HVAC SYSTEM CONTROL DIAGRAMS
5. PANEL LOCATED INSIDE ELECTRICAL BUILDING SHALL BE NEMA 1 RATED
6. PROVIDE EQUIPMENT NUMBER AND TAG UNDER EACH OPERATING CONTROL AS PER SPECIFICATION 23 05 53 - IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT.
7. 120VAC POWER TO CONTROL PANEL SHALL BE PROVIDED BY DIVISION 26. ALL OTHER CONTROL AND POWER WIRING AND CONDUIT FROM CONTROL PANEL TO ALL REMOTE DEVICES, SUCH AS THERMOSTATS, DAMPER ACTUATORS, SENSORS, SWITCHES, ETC., SHALL BE PROVIDED UNDER DIVISION 23. GENERAL NOTES.
8. CONTRACTOR SHALL HIRE A BWS-APPROVED SCADA INTEGRATOR TO MODIFY THE EXISTING SCADA SYSTEM AT THE FLUORIDE BUILDING TO MONITOR STATED POINTS VIA FIBER CONNECTIVITY WITH HVAC SYSTEMS CONTROL PANEL EB-HLCP-01 THROUGH EB-HLCP-04. CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED HARDWARE SOFTWARE INCLUDING GATEWAYS TO MONITOR THESE POINTS ON SCADA (HMI) SYSTEM. INTEGRATOR TO COORDINATE PROTOCOL WITH EB-HLCP-01 PANEL SUPPLIER.
9. AS A MINIMUM, THE FOLLOWING SIGNALS SHALL BE SENT TO FLUORIDE BUILDING CONTROL PANEL (PLC) FOR MONITORING ONLY

1

ADDENDUM NO.

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1	08/2023	ADDENDUM #3	

DESIGNED BY: AP
DRAWN BY: AP
CHECKED BY: RPP
DESIGN LEAD: DEEPAK KANDRA, PE
SECTION MANAGER:

ARUP

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

HVAC
ELECTRICAL BUILDING
CONTROLS DETAILS 4

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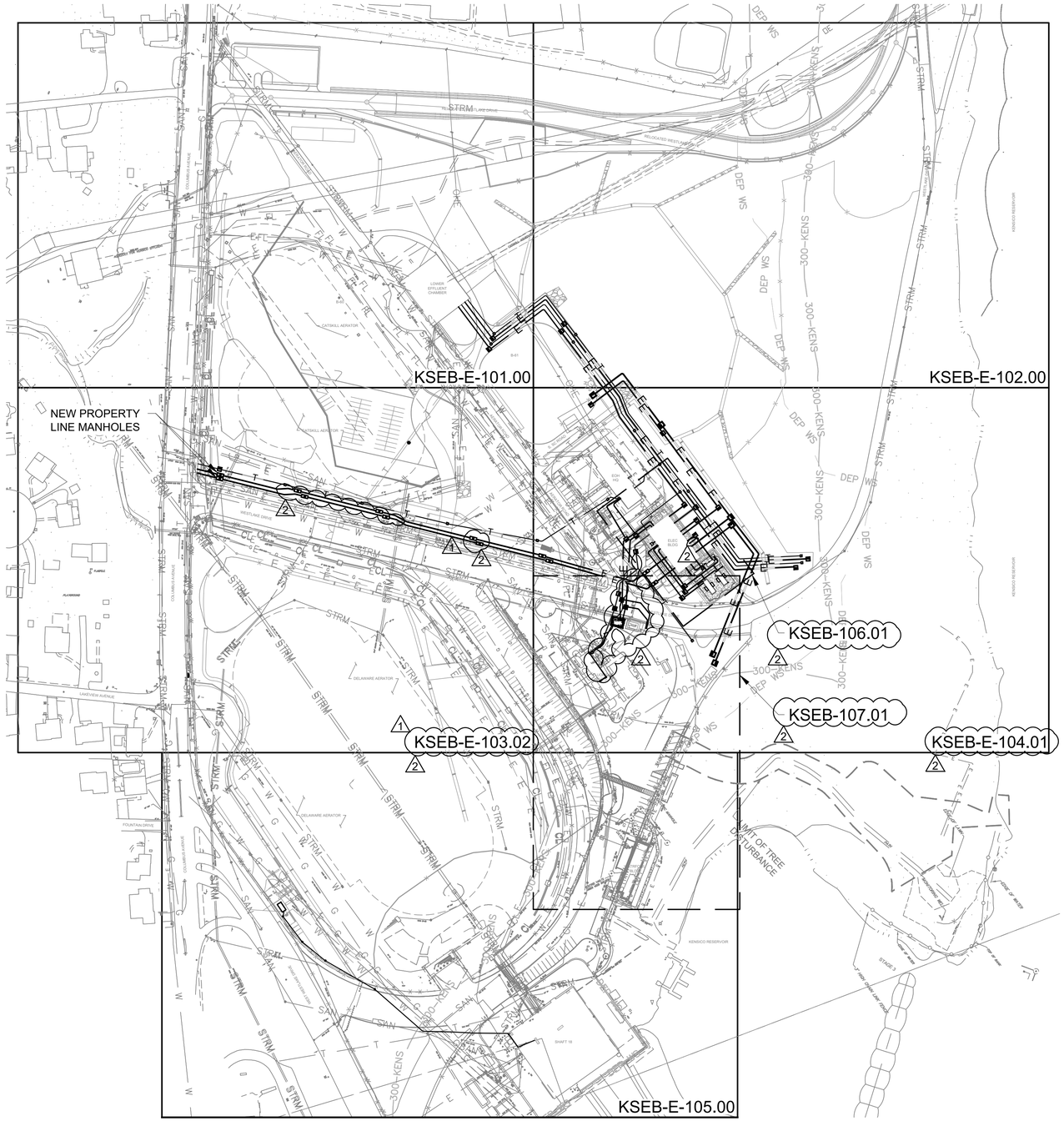

OVERALL SITE PLAN

SCALE: 1"=120"

NOTES:

1. DUCTBANKS SHOWN ARE DIAGRAMMATICAL AND THE ROUTES ARE SHOWN TO CONVEY DESIGN INTENT. CONTRACTOR SHALL FIELD DETERMINE ALL CONDUIT DUCTBANK ROUTES TO COORDINATE WITH ALL UNDERGROUND UTILITIES, EXISTING STRUCTURES AND EQUIPMENT. PROVIDE CORE DRILLS AND OPENINGS AS REQUIRED TO ROUTE CONDUITS. PROVIDE ADDITIONAL FIELD PULL BOXES AS REQUIRED TO ROUTE CONDUITS TO THE EQUIPMENT.
2. ALL CONDUITS FILLED WITH CABLES SHALL BE SEALED WATERPROOF. ALL SPARE OR EMPTY CONDUITS SHALL BE PROVIDED WITH PULL ROPE AND SEALED WATERPROOF, THE SEALING SHALL BE REMOVABLE FOR FUTURE USE.
3. THE FOUNDATIONS OF THE MANHOLE INSTALLATION DETAILS SHALL BE DESIGNED, CALCULATED AND COORDINATED BASED ON FIELD CONDITIONS. FOUNDATION DESIGN AND CALCULATIONS SHALL BE PREPARED, SIGNED AND SEALED BY A NYS LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
4. FOR DUCTBANK SEALING, REFER TO SPECIFICATION 26 05 43 - UNDERGROUND DUCTBANKS, MANHOLES AND RACEWAYS FOR ELECTRICAL SYSTEM.
5. CONTRACTOR SHALL DESIGN ALL MANHOLE/HAND-HOLE AND MANHOLE FOUNDATIONS AS PER HS-20 LOADING AND SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL.
6. ALL CON EDISON SERVICE-RELATED MANHOLES SHALL BE TYPE M11-6. THE MANHOLE SHALL COMPLY WITH THE LATEST CON EDISON STANDARD DRAWINGS 341185, EO-13526-B, AND EO-1804-B.

1"=120' 0 120 240 FT.

ADDENDUM NO. 3
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2	08/2023	ADDENDUM #3	JP
1	06/2023	ADDENDUM #1	JP

DESIGNED BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE
DRAWN BY: JP, AL

STATE OF NEW YORK JIGNESH PATEL 102302 LICENSED PROFESSIONAL ENGINEER 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
ELECTRICAL BUILDING
OVERALL SITE PLAN

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-100.02

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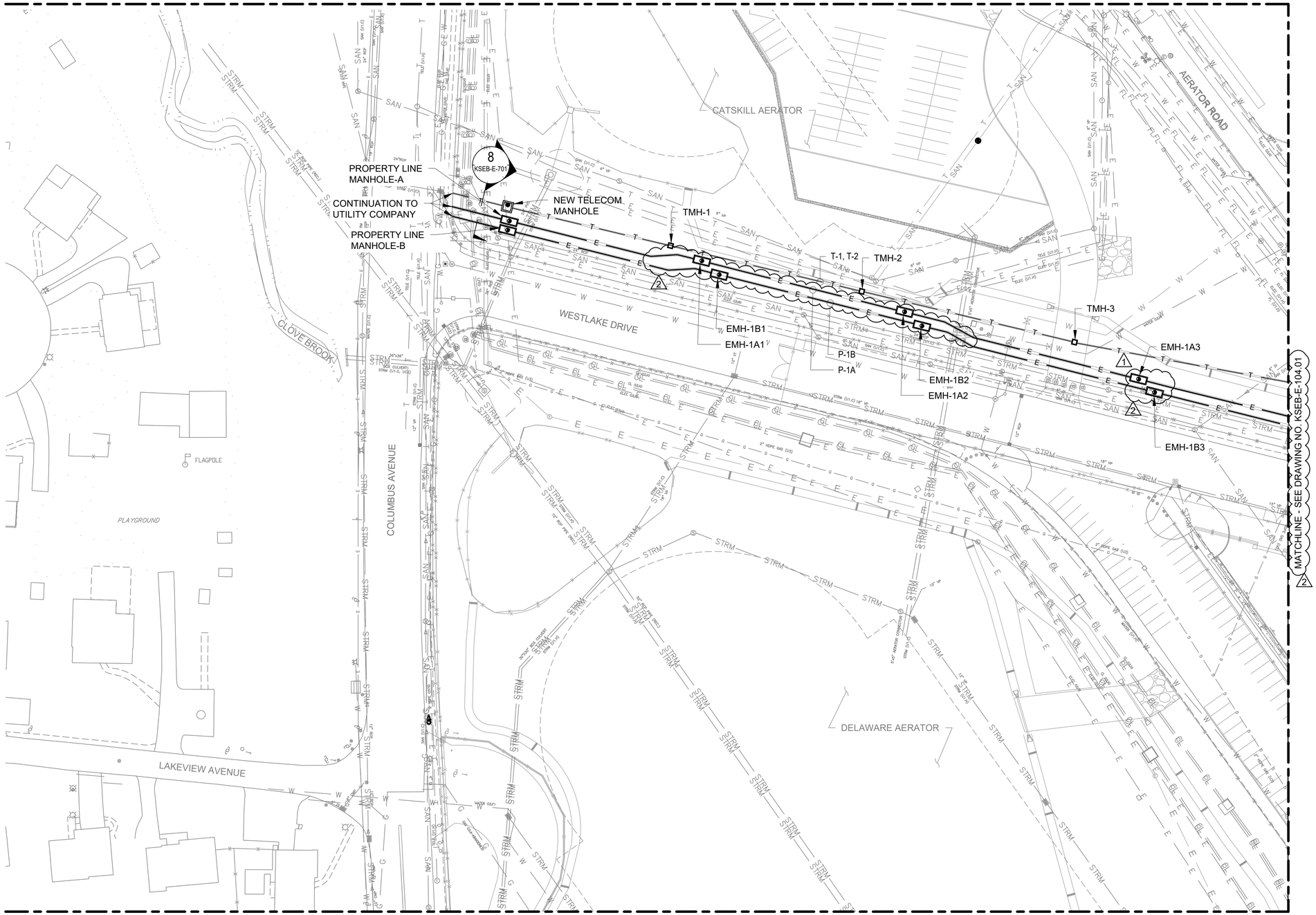


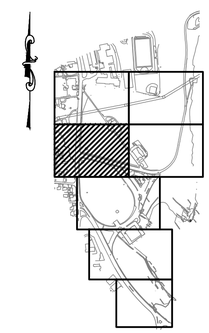
MATCHLINE - SEE DRAWING NO. KSEB-E-105.00

SITE PLAN 3

SCALE: 1"=40'-0"

NOTES:

1. THE CONTRACTOR SHALL PROVIDE MINIMUM OF 3'-0" CLEARANCE BETWEEN THE UNDERGROUND DUCTBANKS INCLUDING POWER, CONTROL AND COMMUNICATION.
2. THE CONTRACTOR SHALL MAINTAIN 3'-0" CLEARANCE BETWEEN THE PROPERTY LINE MANHOLES. THE MANHOLES ASSOCIATED WITH THE SERVICE FEEDER SHALL BE INSTALLED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.



KEY PLAN

1"=40' 0 40 80 FT.

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DESIGNED BY: JP, AL
DRAWN BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE

STATE OF NEW YORK JIGNESH PATEL 102302 LICENSED PROFESSIONAL ENGINEER 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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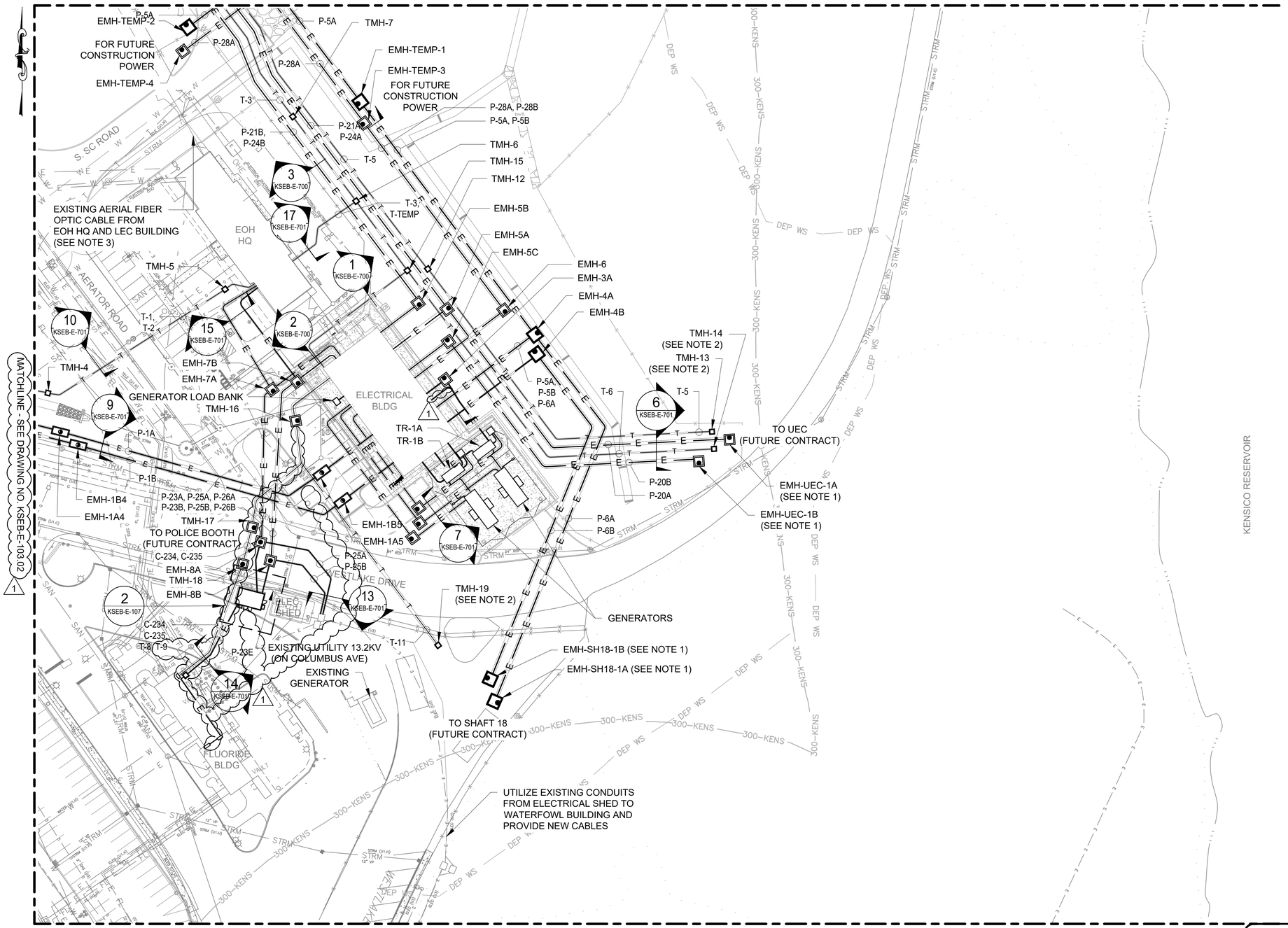


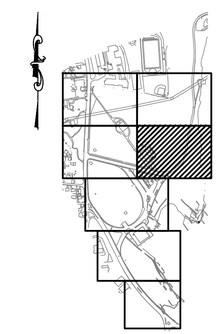
MATCHLINE - SEE DRAWING NO. KSEB-E-105.00

SITE PLAN 4

SCALE: 1"=40'-0"

NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL DUCTBANK PER SPECIFICATION SECTION 26 05 43 AND CONTRACT DRAWINGS FROM THE ELECTRICAL BUILDING TO THE ELECTRICAL MANHOLE (EMH). THE DUCTBANK CONDUITS SHALL BE PROVIDED WITH PULL ROPE AND SEALED WATERPROOF FOR FUTURE USE. THE WATERPROOF SEAL SHALL BE REMOVABLE FOR FUTURE USE. CABLE INSTALLATION AND CONTINUATION OF DUCTBANKS SHALL BE FURNISHED AND CONSTRUCTED UNDER FUTURE KEC BUILDINGS CONTRACT(S).
2. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL DUCTBANK PER SPECIFICATION SECTION 26 05 43 AND CONTRACT DRAWINGS FROM THE ELECTRICAL BUILDING TO THE TELECOMMUNICATION MANHOLE (TMH). THE DUCTBANK CONDUITS SHALL BE PROVIDED WITH PULL ROPE AND SEALED WATERPROOF FOR FUTURE USE. THE WATERPROOF SEAL SHALL BE REMOVABLE FOR FUTURE USE. CABLE INSTALLATION AND CONTINUATION OF DUCTBANKS SHALL BE FURNISHED AND CONSTRUCTED UNDER FUTURE KEC BUILDINGS CONTRACT(S).
3. CONTRACTOR SHALL DEMOLISH EXISTING AERIAL FIBER OPTIC CABLE FROM EOH HQ TO LEC BUILDING ONCE NEW FIBER CABLES ARE INSTALLED AND OPERATIONAL. REFER TO CIVIL DRAWINGS FOR DETAILS.



KEY PLAN

1"=40' 0 40 80 FT.

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SECTION MANAGER: XIAOBO YU, PE

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Environmental Protection

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

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SITE PLAN 4

DATE: AUGUST 2023
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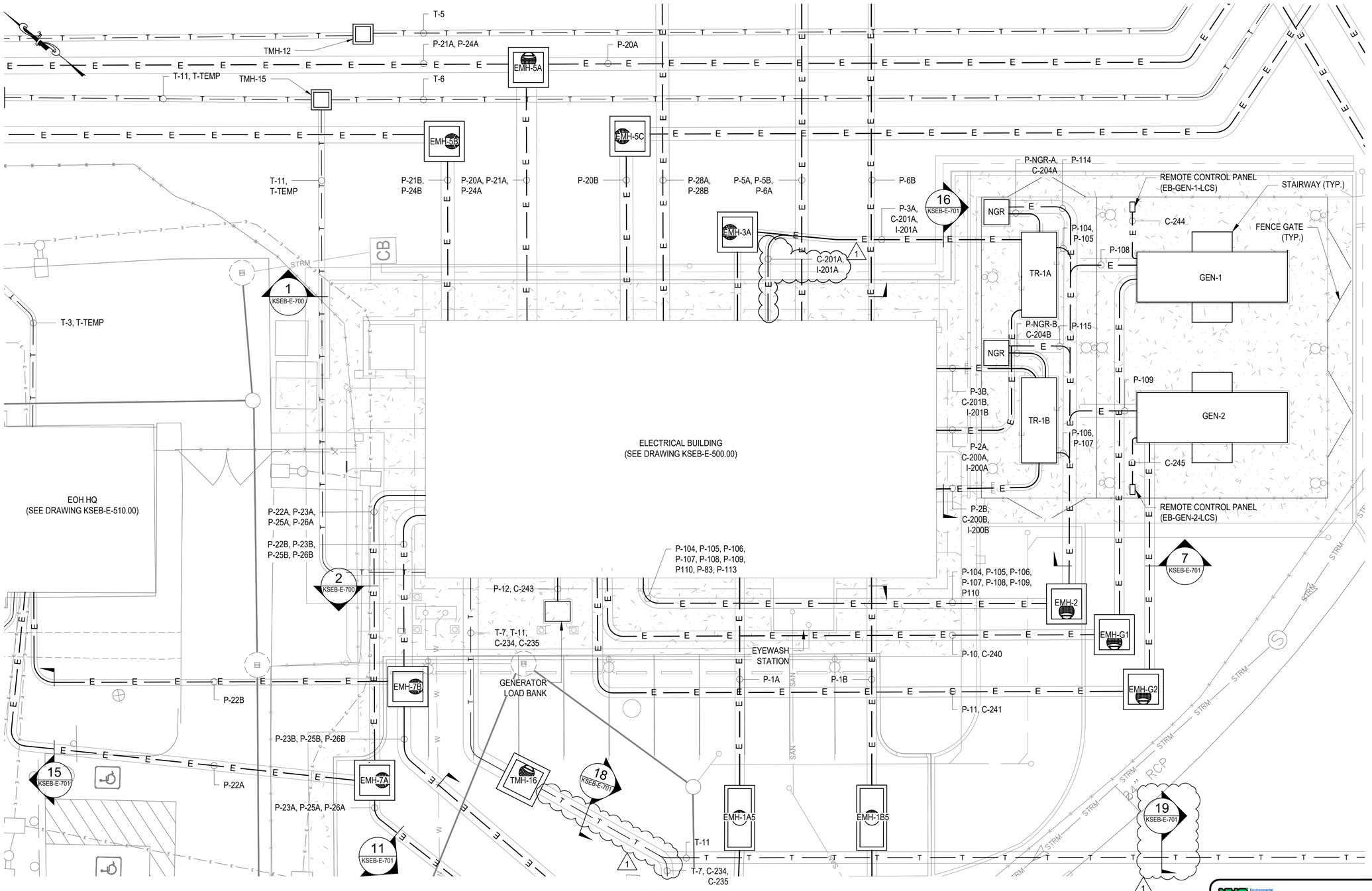

PARTIAL SITE PLAN 6 - ELECTRICAL BUILDING

SCALE: 1"=10'-0"

NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL PEDESTAL MOUNTED, NEMA 3R GENERATOR REMOTE CONTROL PANELS AND KINDORF SYSTEM. THE CONTROL PANELS SHALL BE PAD LOCKABLE AND INCLUDE START, STOP, EMERGENCY STOP PUSH BUTTONS, GENERATOR RUNNING, STOPPED, AND FAULT INDICATION LIGHTS AS A MINIMUM.
2. THE CONTRACTOR SHALL FURNISH AND CONSTRUCT 4" CONCRETE PADS FOR THE ELECTRICAL SUBSTATION EQUIPMENT (GEN-1, GEN-2, TR-1A, TR-1B, NGR).

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DESIGNED BY: JP, AL
DRAWN BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE

STATE OF NEW YORK JIGNESH PATEL 702302 LICENSED PROFESSIONAL ENGINEER 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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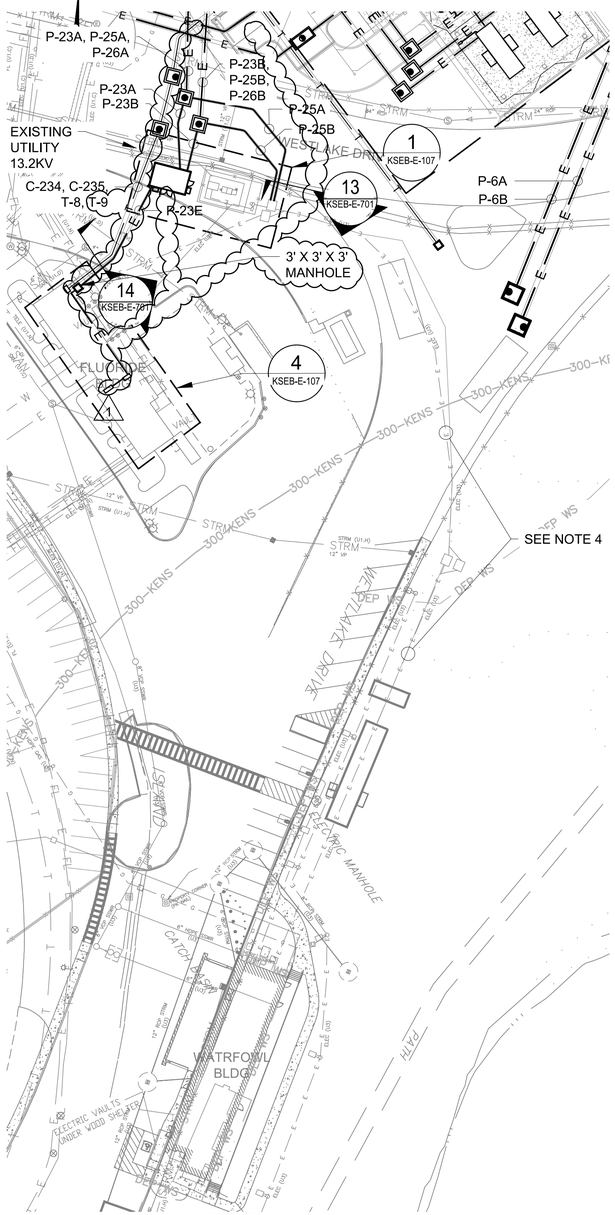
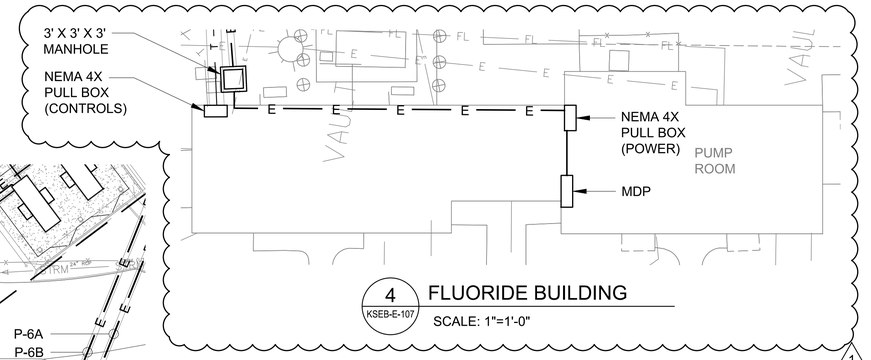


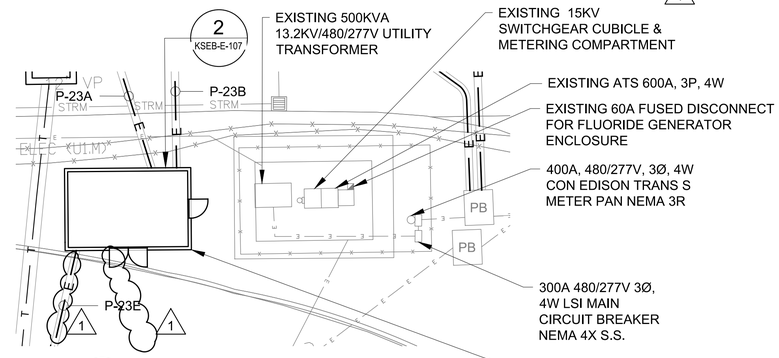
SITE PLAN 7

SCALE: 1"=40'-0"



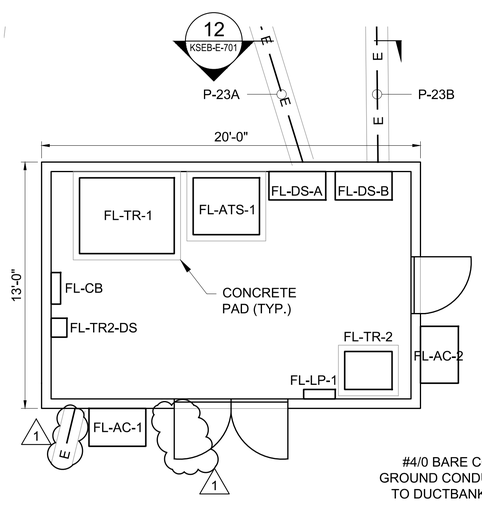
4 KSEB-E-107 FLUORIDE BUILDING

SCALE: 1"=1'-0"



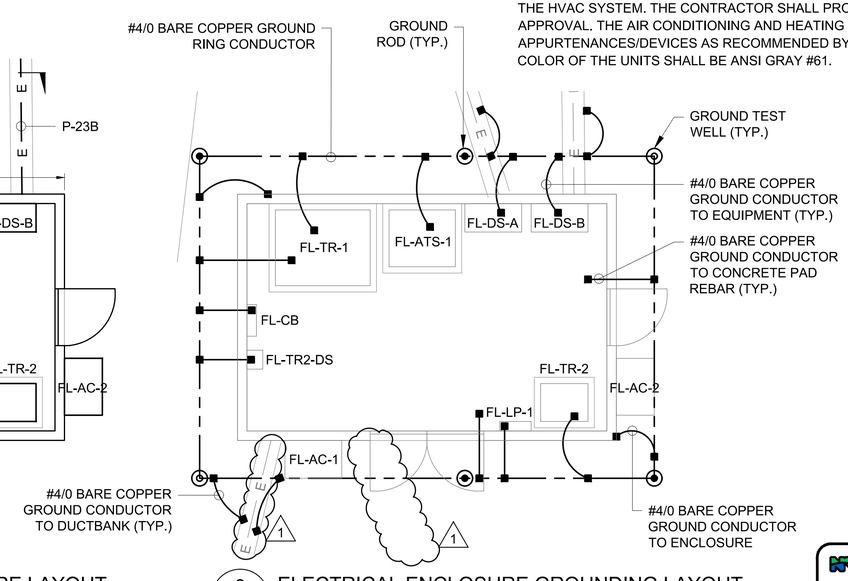
1 KSEB-E-107 ELECTRICAL ENCLOSURE & SHED

SCALE: 1"=1'-0"



2 KSEB-E-107 ELECTRICAL ENCLOSURE LAYOUT

SCALE: 3"=1'-0"

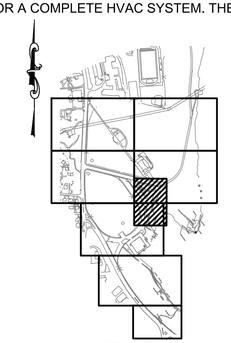


3 KSEB-E-107 ELECTRICAL ENCLOSURE GROUNDING LAYOUT

SCALE: 3"=1'-0"

NOTES:

1. ONCE THE FLUORIDE AND WATERFOWL BUILDINGS ARE ENERGIZED FROM THE NEW ELECTRICAL BUILDING AND TESTED SATISFACTORY, CONTRACTOR SHALL DEMOLISH THE THE EXISTING ELECTRICAL EQUIPMENT FROM THE ELECTRICAL SHED.
2. THE CONTRACTOR SHALL REMOVE AND DEMOLISH THE EXISTING CABLE FROM THE EXISTING ELECTRICAL SHED TO THE FLUORIDE BUILDING "MDP" PANEL AND PROVIDE A WATERTIGHT SEAL AT BOTH ENDS OF THE CONDUITS IN THE DUCTBANK TO PREVENT THE WATER ENTRY.
3. THE CONTRACTOR SHALL PROVIDE A NEMA 4X PULL BOX INSIDE THE FLUORIDE BUILDING PUMP ROOM WITH A MINIMUM SIZE OF 36"X36"X12" FOR PULLING SERVICE CABLES AND COMMUNICATION CABLES FROM INCOMING ELECTRICAL & TELECOM DUCTBANKS. THE FINAL PULL BOX SHALL BE CALCULATED BY THE CONTRACTOR BASED ON CONDUITS QUANTITY AND LAYOUT.
4. THE CONTRACTOR SHALL UTILIZE THE EXISTING CONDUITS/DUCTBANK FROM THE ELECTRICAL SHED TO WATERFOWL BUILDING AND FURNISH AND INSTALL NEW CABLES.
5. SEE STRUCTURAL DRAWING KSEB-S-360.00 FOR ELECTRICAL ENCLOSURE CONCRETE PAD DETAIL.
6. THE CONTRACTOR SHALL SUBMIT ELECTRICAL ENCLOSURE SUBMITTAL FOR ENGINEER REVIEW & APPROVAL BASED ON THE FOLLOWING DESIGN CRITERIA:
   - 6.1. THE NEW ELECTRICAL ENCLOSURE SHALL BE MINIMUM OF 10 FEET HEIGHT.
   - 6.2. PROVIDE A CUSTOMIZED OUTDOOR ENCLOSURE CONSTRUCTED AS A GASKETED, VENTILATED, WEATHERPROOF, RODENT-PROOF TYPE STRUCTURE, RATED NEMA 3R, SUITABLE FOR USE AT THE PROJECT SITE LOCATION. ENCLOSURE CONSTRUCTION SHALL BE GENERAL PURPOSE AND NONHAZARDOUS, AND THE DESIGN SHALL BE SUITABLE FOR USE UNDER THE FOLLOWING CONDITIONS:
     - 6.2.1. GROUND SNOW LOAD, PG 30 PSF. SNOW IMPORTANCE FACTOR, 1.1;
     - 6.2.2. BASIC WIND SPEED, 125 MPH. WIND IMPORTANCE FACTOR, 1.0; AND WIND EXPOSURE, C;
     - 6.2.3. FLOOR LOADING, 250 POUNDS PER SQUARE FOOT TOTAL;
     - 6.2.4. BASE DEFLECTION, L/240;
     - 6.2.5. SEISMIC IMPORTANCE FACTOR, 1.25; OCCUPANCY CATEGORY, III; SEISMIC DESIGN CATEGORY, C; SITE CLASS, D.
     - 6.2.6. LIGHTING, 30 FOOT CANDLES AT FLOOR.
     - 6.2.7. INTERIOR AMBIENT TEMPERATURE, SUMMER 80°F; WINTER 55°F WITH AIR CONDITIONING AND HEATER;
   - 6.3. THE ENCLOSURE SHALL BE PROVIDED WITH PERSONNEL DOORS 36-INCH X 84-INCH AND EQUIPMENT DOUBLE DOOR 72-INCH X 84-INCH AS SHOWN ON THE DRAWINGS. THE DOORS SHALL BE INSULATED AND FIRE RATED WITH 18 GAUGE DOUBLE WALL CONSTRUCTION WITH NEOPRENE GASKET, DRIP SHIELDS, AND WATER FLASHING. DOORS SHALL BE EQUIPPED WITH STAINLESS STEEL HARDWARE AND SHALL BE KEY LOCKABLE WITH PANIC HARDWARE AND A "DANGER, HIGH VOLTAGE, KEEP OUT" SIGN.
   - 6.4. THE ENCLOSURE SHALL BE PROVIDED WITH LIGHTING CONSISTING OF INDOOR AND EMERGENCY LED LIGHTING FIXTURES. OUTDOOR WEATHERPROOF FULL CUTOFF TYPE LED LIGHT FIXTURES SHALL BE PROVIDED, ONE (1) OVER EACH DOOR. THE OUTDOOR FIXTURES SHALL BE PHOTOCELL CONTROLLED.
   - 6.5. THE CUSTOMIZED ENCLOSURE SHALL BE FACTORY ASSEMBLED AND TESTED TO THE MAXIMUM EXTENT POSSIBLE. THE ENCLOSURE ALONG WITH THE EQUIPMENT INSTALLED INSIDE THE ENCLOSURE SHALL BE WITNESS TESTED IN THE FIELD.
   - 6.6. THE ENCLOSURE SHALL BE PROVIDED WITH FIRE EXTINGUISHERS LOCATED AT EACH EXIT DOOR.
   - 6.7. THE ENCLOSURE SHALL BE PROVIDED WITH HVAC SYSTEM SUITABLY SIZED FOR THE AMBIENT CONDITIONS SPECIFIED. EACH AIR CONDITIONING & HEATING UNIT SHALL BE SIZED AT 50% OF THE TOTAL COOLING & HEATING LOAD TO PROVIDE REDUNDANCY IN THE HVAC SYSTEM. THE CONTRACTOR SHALL PROVIDE HVAC SYSTEM CALCULATIONS TO THE ENGINEER FOR REVIEW AND APPROVAL. THE AIR CONDITIONING AND HEATING EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL APPURTENANCES/DEVICES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURERS FOR A COMPLETE HVAC SYSTEM. THE COLOR OF THE UNITS SHALL BE ANSI GRAY #61.



KEY PLAN

3"=1'-0" 0 3 6 9 IN.
1"=40' 0 40 80 FT.
1"=1'-0" 0 1 2 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE
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VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	JP

DESIGNED BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE
DRAWN BY: AL

STATE OF NEW YORK JIGNESH PATEL 102302 LICENSED PROFESSIONAL ENGINEER 8/1/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
ELECTRICAL BUILDING
SITE PLAN 7

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-107.01

Last Saved By: jpatel Last Date Saved: 8/11/2023 11:57 AM Date & Time Plotted: 8/11/2023 11:58 AM
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches) Plot Scale:1:1 Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name & Drive Location: C:\projectwise\amx_ds05\dms09027\KSEB-E-107.01.dwg

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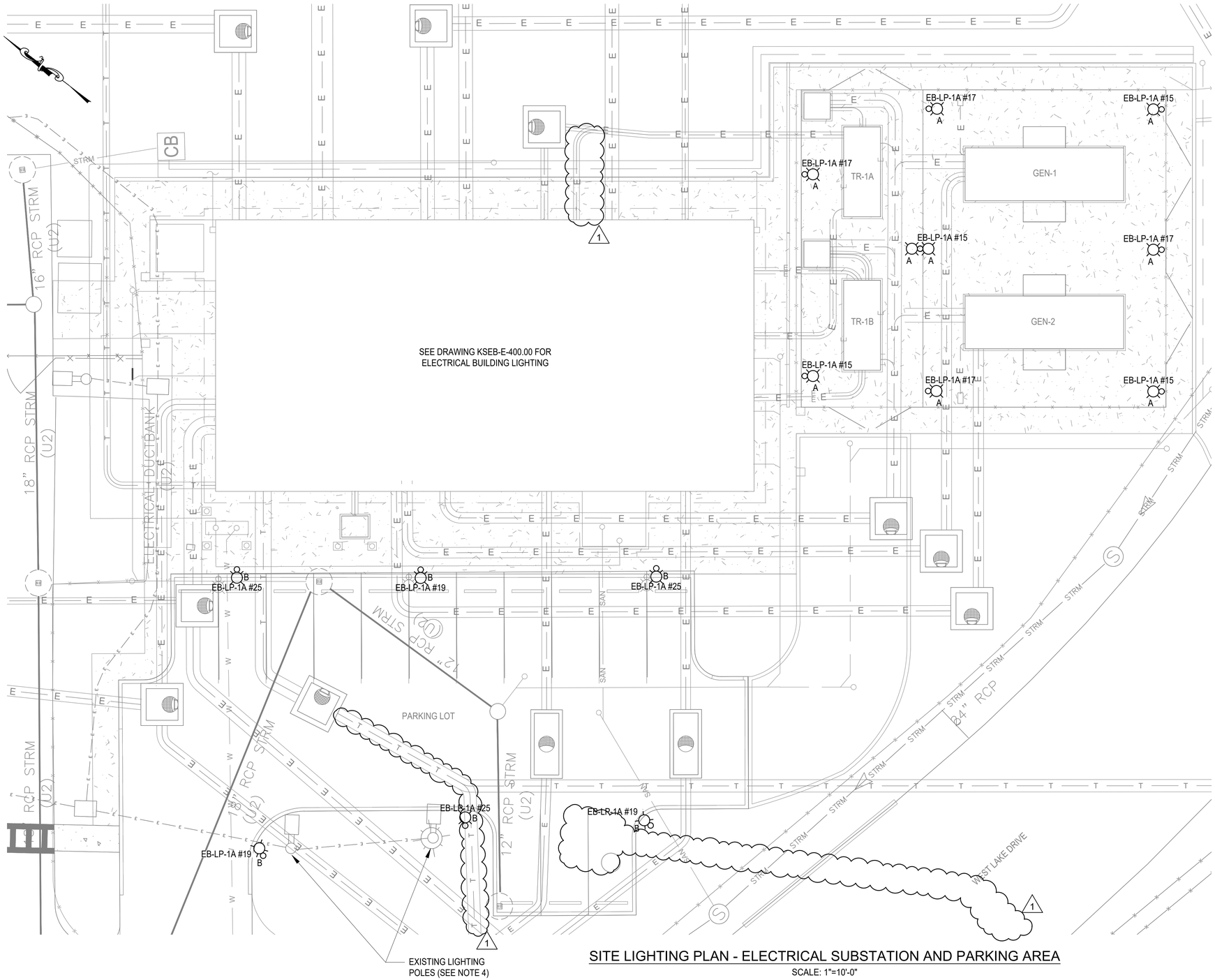
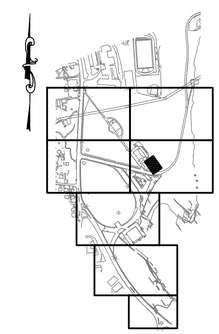


SITE LIGHTING PLAN - ELECTRICAL SUBSTATION AND PARKING AREA

SCALE: 1"=10'-0"

NOTES:

1. FINAL PLACEMENT OF LIGHTING FIXTURES SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION.
2. PHOTOCELL SENSOR SHALL BE PROVIDED WITH EACH LIGHT FIXTURE.
3. NEW LIGHTING POLES SHALL MATCH WITH THE EXISTING LIGHTING POLES. SEE DRAWING KSEB-E-900.00 FOR LIGHTING POLE DETAILS AND FIXTURE SCHEDULE.
4. UNDERGROUND DUCTBANK FOR EXTERIOR LIGHTING POLES ARE NOT SHOWN. THE CONTRACTOR SHALL FURNISH AND INSTALL THE UNDERGROUND DUCTBANK FOR EXTERIOR LIGHTING POLES. EXACT CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT CONDUIT LAYOUTS AND PENETRATIONS DETAIL FOR ENGINEER REVIEW AND APPROVAL. THE CONTRACTOR SHALL CREATE CONDUITS SHOP DRAWINGS TO SHOW THE CONDUITS ROUTING FROM THE ELECTRICAL BUILDING PANELS TO THE EXTERIOR EQUIPMENT INCLUDING, BUT NOT LIMITED TO, LIGHTING POLES, LOADBANK, ETC. FOR ENGINEER REVIEW AND APPROVAL.



KEY PLAN

1"=10' 0 10 20 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

GRAPHIC SCALES CHECK BEFORE USE
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VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	JP

DESIGNED BY: AL, JP
DRAWN BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE

STATE OF NEW YORK JIGNESH PATEL 102302 LICENSED PROFESSIONAL ENGINEER 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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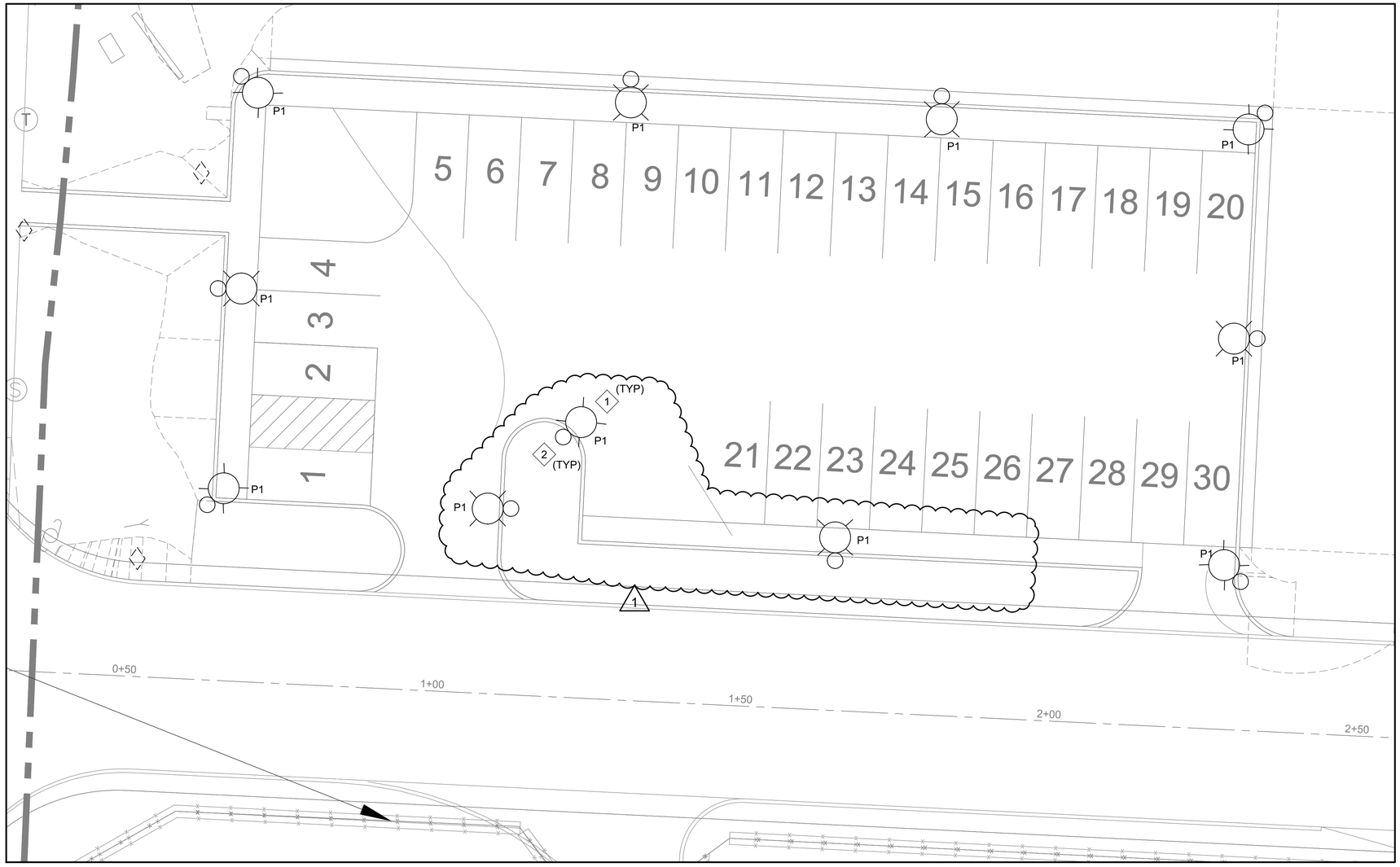
CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
ELECTRICAL BUILDING
LIGHTING PLAN - ELEC. EQUIPMENT AND PARKING

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-402.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

Last Saved By: Njacob Last Date Saved: 8/11/2023 9:34 AM Date & Time Plotted: 8/11/2023 10:35 AM
Paper Size Printed/Plotted: ANSI full bleed D (34.00 x 22.00 Inches) Plot Scale:1:1 Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name & Drive Location: C:\projectwise\amx_ds05\dms09027\KSEB-E-402.01.dwg



SITE LIGHTING PLAN

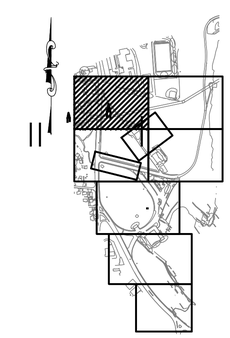
SCALE: 1"=10'

NOTES:

1. FOR ADDITIONAL NOTES, SYMBOLS, ABBREVIATIONS, AND GENERAL REQUIREMENTS SEE DRAWING KSEB-E-001 & KSEB-E-002.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER, ENGINEER, UTILITIES, AND OTHER CONTRACTORS.
3. FINAL PLACEMENT OF LIGHTING FIXTURES SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION.
4. LIGHT FIXTURES ON POLES SHALL BE MOUNTED AT 20 FEET.

KEY NOTES:

1. PROVIDE ALL-IN-ONE LED SOLAR LIGHT FIXTURES THAT INCLUDE SOLAR PANEL, FIXTURE AND BATTERY IN ONE UNIT. UNIT SHALL BE INSTALLED ON 20FT POLE.
2. PROVIDE NEW 20' X 5" SQUARE ALUMINIUM POLE FOR LIGHT FIXTURE.



KEY PLAN

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	MOUNTING	LIGHT SOURCE	DESCRIPTION	ACCEPTABLE MANUFACTURER'S CATALOG NUMBERS	
	P1	POLE MOUNTED	LED	EXTERIOR POLE LIGHT	SOLAR LIGHTING INTERNATIONAL STEALTH 80-21 LED SOLAR STREET LIGHT	OR APPROVED EQUAL
	POLE	24'		5" SQUARE ALUMINUM	SOLAR LIGHTING INTERNATIONAL POLE	OR APPROVED EQUAL

SEQUENCE OF OPERATION:

ALL SITE LIGHTING SHALL BE PHOTOSENSOR CONTROLLED LIGHTING SHALL BE ON FROM DUSK TO DAWN.

1"=10' 0 10 20 FT.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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0 NAVD88

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM NO. 3	KC

DESIGNED BY: NC
CHECKED BY: KC
DESIGN LEAD: NATALIE CARNOVALE
SECTION MANAGER: DAVE FREDERICKS
DRAWN BY: JC

Savin Engineers, P.C.

STATE OF NEW YORK · DAVID G. FREDERICKS · 086076 · LICENSED PROFESSIONAL ENGINEER

Environmental Protection

ACCOUNTABLE MANAGER
JUSTIN RIVELLINO
PORTFOLIO MANAGER
LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN
MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
NEW WEST LAKE DRIVE
SITE LIGHTING PLAN

DATE: JANUARY 2021
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-420.01

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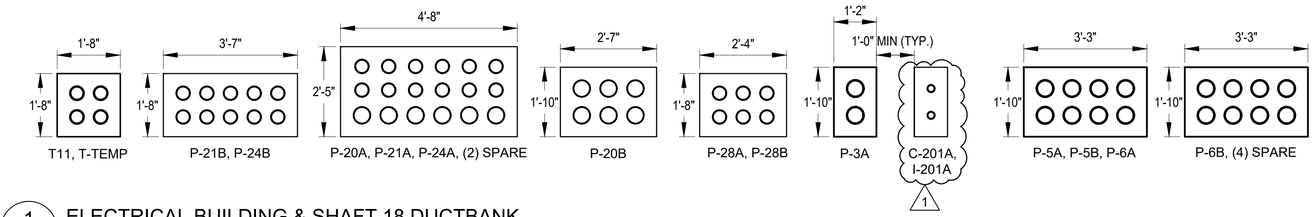
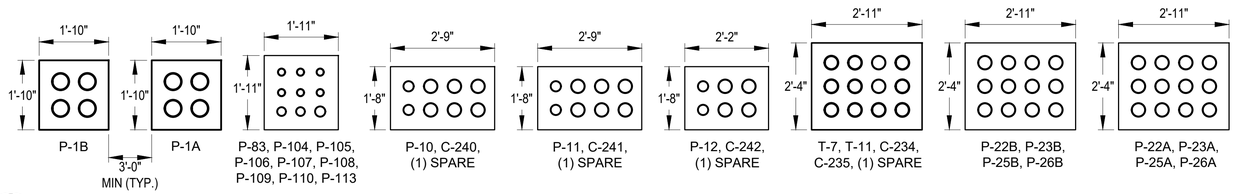


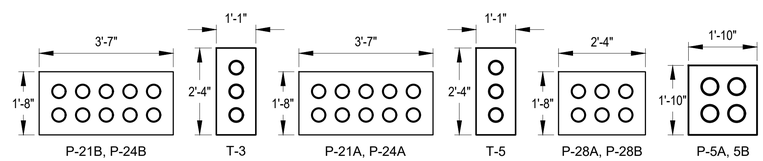
1 KSEB-E-106 ELECTRICAL BUILDING & SHAFT 18 DUCTBANK

SCALE: 1/2"=1'-0"



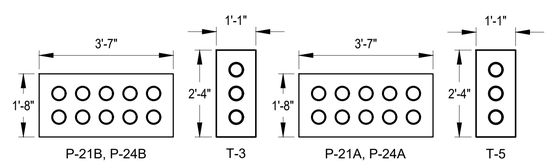
2 KSEB-E-106 ELECTRICAL BUILDING & FLUORIDE BUILDING DUCTBANK

SCALE: 1/2"=1'-0"



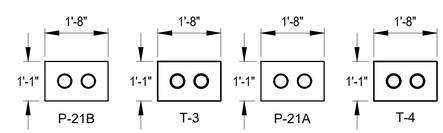
3 KSEB-E-104 LEC, SCREEN CHAMBER & CONSTRUCTION POWER DUCTBANK

SCALE: 1/2"=1'-0"



4 KSEB-E-102 LEC & SCREEN CHAMBER DUCTBANK

SCALE: 1/2"=1'-0"



5 KSEB-E-101 LEC DUCTBANK

SCALE: 1/2"=1'-0"

NOTES:

1. CONDUITS BURIED UNDERGROUND SHALL BE NO LESS THAN 24" BELOW FINISHED GRADE AND ENCASED IN 4" OF CONCRETE ALL AROUND UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE MINIMUM DUCTBANK DIMENSIONS BASED ON THE TYPICAL ELECTRICAL DETAILS DRAWING, KSEB-E-800.00.
3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1'-0" CLEARANCE BETWEEN THE POWER CONDUITS AND INSTRUMENTATION CONDUITS.
4. SPARE CONDUITS SHOWN ON THIS DRAWING ARE ADDITIONAL SPARE CONDUITS TO THE CABLE AND CONDUITS SCHEDULES.
5. CONTRACTOR SHALL PROVIDE A MINIMUM OF 3'-0" SPACING BETWEEN THE TWO SERVICE DUCTBANKS.
6. CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 26 05 43 FOR ALL UNDERGROUND CONDUITS MATERIAL.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	JP

DESIGNED BY: JP, AL
DRAWN BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE

STATE OF NEW YORK · JIGNESH PATEL · 102302 · LICENSED PROFESSIONAL ENGINEER · 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
ELECTRICAL BUILDING
ELECTRICAL DUCTBANK DETAILS 1

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-700.01

Last Saved By: Njacob Last Date Saved: 8/11/2023 9:34 AM Date & Time Plotted: 8/11/2023 10:35 AM
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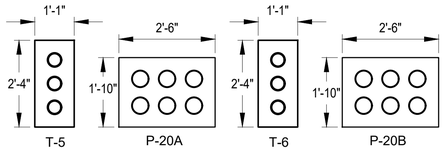
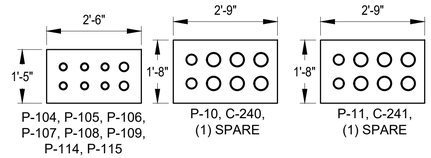


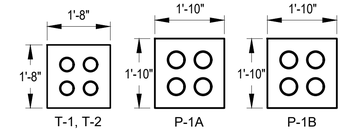
6 KSEB-E-104 UEC DUCTBANK

SCALE: 1/2" = 1'-0"



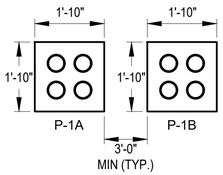
7 KSEB-E-106 GEN-1, GEN-2, TR-1A, TR-1B, & NGR DUCTBANK

SCALE: 1/2" = 1'-0"



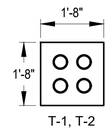
8 KSEB-E-103 PROPERTY LINE MANHOLE DUCTBANK

SCALE: 1/2" = 1'-0"



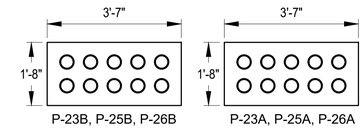
9 KSEB-E-104 ELECTRICAL BUILDING SERVICE DUCTBANK

SCALE: 1/2" = 1'-0"



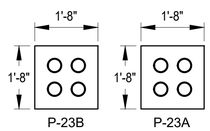
10 KSEB-E-104 EOH DUCTBANK

SCALE: 1/2" = 1'-0"



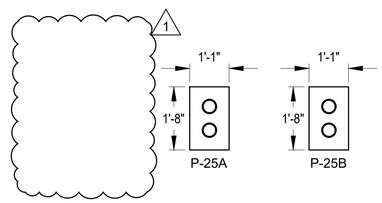
11 KSEB-E-106 ELECTRICAL ENCLOSURE & POLICE BOOTH DUCTBANK

SCALE: 1/2" = 1'-0"



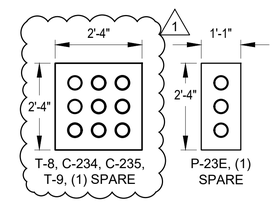
12 KSEB-E-107 ELECTRICAL ENCLOSURE DUCTBANK

SCALE: 1/2" = 1'-0"



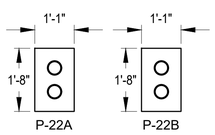
13 KSEB-E-107 WATERFOWL & FLUORIDE BUILDING DUCTBANK

SCALE: 1/2" = 1'-0"



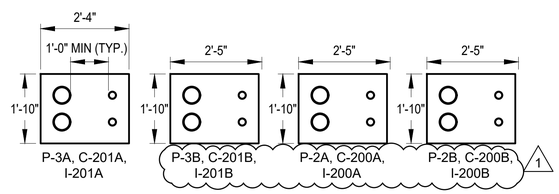
14 KSEB-E-107 FLUORIDE BUILDING DUCTBANK

SCALE: 1/2" = 1'-0"



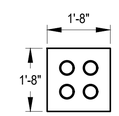
15 KSEB-E-106 EOH MDP DUCTBANK

SCALE: 1/2" = 1'-0"



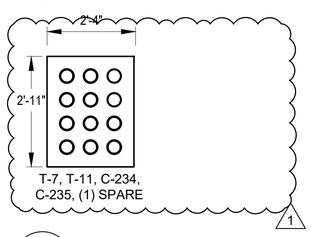
16 KSEB-E-106 TR-1A & TR-1B DUCTBANK

SCALE: 1/2" = 1'-0"



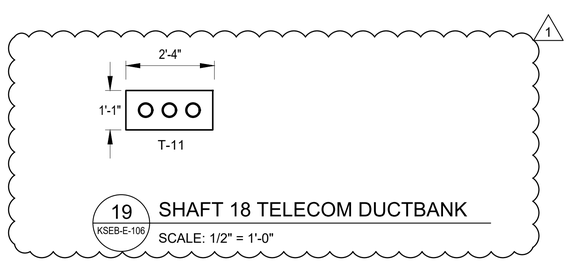
17 KSEB-E-104 EOH & COMMUNICATON ROOM DUCTBANK

SCALE: 1/2" = 1'-0"



18 KSEB-E-106 FLUORIDE & SHAFT 18 DUCTBANK

SCALE: 1/2" = 1'-0"



19 KSEB-E-106 SHAFT 18 TELECOM DUCTBANK

SCALE: 1/2" = 1'-0"

NOTES:

1. CONDUITS BURIED UNDERGROUND SHALL BE NO LESS THAN 24" BELOW FINISHED GRADE AND ENCASED IN 4" OF CONCRETE ALL AROUND UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE MINIMUM DUCTBANK DIMENSIONS BASED ON THE TYPICAL ELECTRICAL DETAILS DRAWING, KSEB-E-800.00.
3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1'-0" CLEARANCE BETWEEN THE POWER CONDUITS AND INSTRUMENTATION CONDUITS.
4. SPARE CONDUITS SHOWN ON THIS DRAWING ARE ADDITIONAL SPARE CONDUITS TO THE CABLE AND CONDUITS SCHEDULES.
5. CONTRACTOR SHALL PROVIDE MINIMUM OF 3'-0" SPACING BETWEEN THE TWO SERVICE DUCTBANKS.
6. CONTRACTOR SHALL REFER TO SPECIFICATION SECTION 26 05 43 FOR ALL UNDERGROUND CONDUITS MATERIAL.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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VERTICAL DATUM CONVERSION (ft)
+1.28 BWS
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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	JP

DESIGNED BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE
DRAWN BY: AL

STATE OF NEW YORK · JIGNESH PATEL · 102302 · LICENSED PROFESSIONAL ENGINEER · 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
ELECTRICAL BUILDING
ELECTRICAL DUCTBANK DETAILS 2

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-701.01

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Last Saved By: Njacob Last Date Saved: 8/11/2023 9:34 AM Date & Time Plotted: 8/11/2023 10:35 AM
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Drawing File Name & Drive Location: C:\projectwise\amx_ds05\dms09027\KSEB-E-701.01.dwg

CONDUIT ID	CONDUIT SIZE	CABLE MAKE UP	FROM	TO	REMARKS
EB-DC-1					
P-130	1"	2#10 & 1#10G	EB-DC-1	MV SWITCHGEAR MIMIC PANEL	POWER & GROUND
P-131	1"	2#10 & 1#10G	EB-DC-1	BREAKER TEST PANEL	POWER & GROUND
P-132	1"	2#10 & 1#10G	EB-DC-1	BREAKER SES-A PANEL	POWER & GROUND
P-133	1"	2#10 & 1#10G	EB-DC-1	BREAKER SES-B PANEL	POWER & GROUND
P-134	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-MA	POWER & GROUND
P-135	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-1A	POWER & GROUND
P-136	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-2A	POWER & GROUND
P-137	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-3A	POWER & GROUND
P-138	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-4A	POWER & GROUND
P-140	1"	2#10 & 1#10G	EB-DC-1	87BA	POWER & GROUND
P-141	1"	2#10 & 1#10G	EB-DC-1	87BB	POWER & GROUND
P-142	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-TIE-A	POWER & GROUND
P-143	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-TIE-B	POWER & GROUND
P-144	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-MB	POWER & GROUND
P-145	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-1B	POWER & GROUND
P-146	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-2B	POWER & GROUND
P-147	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-3B	POWER & GROUND
P-148	1"	2#10 & 1#10G	EB-DC-1	BREAKER 52-4B	POWER & GROUND
T-1	(2) 4"	24-STRAND SM FOC, (1) SPARE	NEW TELECOM MANHOLE	EOH BUILDING	COMMUNICATION
T-2	(2) 4"	24-STRAND SM FOC, (1) SPARE	NEW TELECOM MANHOLE	EOH BUILDING	COMMUNICATION
T-3	(3) 4"	24-STRAND SM FOC, (2) SPARE	EOH BUILDING	LEC BUILDING	COMMUNICATION
T-4	(3) 4"	(3) SPARE	LEC BUILDING	SCREEN CHAMBER (TMH-11)	SEE NOTE 1
T-5	(3) 4"	(3) SPARE	SCREEN CHAMBER (TMH-11)	UEC BUILDING (TMH-13)	SEE NOTE 1
T-6	(3) 4"	(3) SPARE	UEC BUILDING (TMH-14)	COMMUNICATION ROOM (EB)	SEE NOTE 1
T-7	(6) 4"	(6) SPARE	COMMUNICATION ROOM (EB)	POLICE BOOTH (TMH-17)	SEE NOTE 1
T-8	(3) 4"	(3) SPARE	POLICE BOOTH (TMH-18)	FLUORIDE BUILDING	SEE NOTE 1
T-9	(3) 4"	(3) SPARE	FLUORIDE BUILDING	WATERFOWL BUILDING	SEE NOTE 1
T-11	(3) 4"	(3) SPARE	SHAFT 18 BUILDING	EOH BUILDING	SEE NOTE 1
T-TEMP	4"	24-STRAND SM FOC	EOH BUILDING	COMMUNICATION ROOM (EB)	COMMUNICATION

1

CONDUIT ID	CONDUIT SIZE	CABLE MAKE UP	FROM	TO	REMARKS
P-200A	3/4"	3#10 & 1#10G	SES-A PHASING RECEPTACLE	SES-B PHASING RECEPTACLE	POWER & GROUND
P-200B	3/4"	3#10 & 1#10G	SES-B PHASING RECEPTACLE	SES-A PHASING RECEPTACLE	POWER & GROUND
C-199A	2"	24#12 & 2#12G	SES-A	EB-MV-SWGR-1	CONTROLS
C-199B	2"	24#12 & 2#12G	SES-B	EB-MV-SWGR-1	CONTROLS
C-200A	2"	24#12 & 2#12G	SES-A	TR-1A	CONTROLS
I-200A	2"	10#12 & 1#12G	SES-A	TR-1A	INSTRUMENTATION
C-201A	2"	12#12 & 1#12G	TR-1A	EB-MV-SWGR-1	CONTROLS
I-201A	2"	10#12 & 1#12G	TR-1A	EB-MV-SWGR-1	INSTRUMENTATION
C-200B	2"	24#12 & 2#12G	SES-B	TR-1B	CONTROLS
I-200B	2"	10#12 & 1#12G	SES-B	TR-1B	INSTRUMENTATION
C-201B	2"	12#12 & 1#12G	TR-1B	EB-MV-SWGR-1	CONTROLS
I-201B	2"	10#12 & 1#12G	TR-1B	EB-MV-SWGR-1	INSTRUMENTATION
C-202A		24#12 & 1#12G	SES-A	MV SWGR MIMIC PANEL	CONTROLS CABLES ROUTED ON CABLE TRAY
C-202B		24#12 & 1#12G	SES-B	MV SWGR MIMIC PANEL	CONTROLS CABLES ROUTED ON CABLE TRAY
C-203		432#12 & 1#12G	EB-MV-SWGR-1	MV SWGR MIMIC PANEL	CONTROLS CABLES ROUTED ON CABLE TRAY
C-204A	1"	12#12 & 1#12G	TR-1A	NGR	CONTROLS
C-204B	1"	12#12 & 1#12G	TR-1B	NGR	CONTROLS
C-205	1"	16#12 & 1#12G	MV SWGR MIMIC PANEL	LV SWGR MIMIC PANEL	CONTROLS
C-206	1"	16#12 & 1#12G	MV SWGR MIMIC PANEL	BATTERY CHARGER (BC-1)	CONTROLS
C-207	1"	16#12 & 1#12G	MV SWGR MIMIC PANEL	BATTERY CHARGER DISC	CONTROLS
C-208	1"	16#12 & 1#12G	EB-MV-SWGR-1	LV SWGR MIMIC PANEL	CONTROLS
C-220	3/4"	(2) CAT-6	EB-MV-SWGR-1	NETWORK RACK	COMMUNICATION
C-221	3/4"	(2) CAT-6	EB-GEN-SWGR-1	NETWORK RACK	COMMUNICATION
C-222	3/4"	(2) CAT-6	EB-USS-A	NETWORK RACK	COMMUNICATION
C-223	3/4"	(2) CAT-6	EB-USS-B	NETWORK RACK	COMMUNICATION
C-224	3/4"	(2) CAT-6	LV SWGR MIMIC PANEL	NETWORK RACK	COMMUNICATION
C-225	3/4"	(2) CAT-6	SES-A	COMMUNICATION ROOM (NETWORK SWITCH)	COMMUNICATION

NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL AND TELECOMMUNICATION DUCTBANKS WITH CONDUITS AND PULL ROPE FOR FUTURE CONTRACT CABLE PULL.
2. NOT ALL CONTROL AND INSTRUMENTATION CABLES ARE SHOWN. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CABLES TO ACHIEVE FULL FUNCTIONALITY FOR ALL EQUIPMENT AND DEVICES.

ADDENDUM NO. 3
DATE ISSUED: 08/2023

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.
1	08/2023	ADDENDUM #3	JP

DESIGNED BY: JP, AL
CHECKED BY: XY
DESIGN LEAD: JIGNESH PATEL, PE
SECTION MANAGER: XIAOBO YU, PE
DRAWN BY: AL

STATE OF NEW YORK JIGNESH PATEL 102302 LICENSED PROFESSIONAL ENGINEER 8/11/23

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: LAUREN D'ATTILE, PE
DEPUTY DIRECTOR, IN HOUSE DESIGN: MICHAEL LOEHR, PE

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CONTRACT KENS-EAST-2
KENSICO SITE PREPARATION

ELECTRICAL
ELECTRICAL BUILDING
CABLE AND CONDUIT SCHEDULE 3

DATE: AUGUST 2023
SCALE: AS NOTED
SHEET NO:
DRAWING NO. KSEB-E-912.01

All inquiries regarding this drawing(s) or project should be made to NYC Environmental Protection, Bureau of Engineering Design and Construction.

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Attachment 2: Addendum #3 - Section 01 52 40 - Field Office Equipment and Supplies

SECTION 01 52 40 – FIELD OFFICE EQUIPMENT AND SUPPLIES
CONTRACT KENS-EAST-2

PART 1 GENERAL

1.01 SUMMARY

A. The Contractor shall provide all labor, materials, equipment, incidentals, and appurtenances as shown, specified and required, to furnish and install field office equipment and supplies, complete and operational.

1. The Contractor shall also provide servicing of the Engineer's field office.

B. The following index of this Section is presented for convenience:

Article	Title	Section Page
PART 1	GENERAL	1
1.01	Summary	1
1.02	Payment	1
1.03	Related Sections	1
1.04	References	2
1.05	Description	2
1.06	Quality Assurance	2
1.07	Submittals	2
1.08	Delivery, Storage, and Handling	2
1.09	Spare Parts, Special Tools, and Supplies	2
1.10	Special Warranty Provisions / Guarantee Periods	2
PART 2	PRODUCTS	2
2.01	Manufacturers	2
2.02	Materials / Equipment	3
2.03	Fabrication / Assembling / Finishes	6
2.04	Source Quality Control / Shop Tests	6
PART 3	EXECUTION	6
3.01	Examination / Preparation	6
3.02	Implementation	7
3.03	Field Testing / Quality Control	7
3.04	Startup / Demonstration	7
3.05	Adjusting / Protection / Cleanup	7

1.02 PAYMENT

A. No separate payment shall be made for performing any Work required under this Section. All costs for Work required by this Section shall be included in the applicable lump sum, unit price(s) or allowance(s) as set forth in Section 01 27 00 – Measurement and Payment.

1.03 RELATED SECTIONS

A. Not Used

1.04 REFERENCES

A. Not Used

1.05 DESCRIPTION

A. Equipment, supplies and servicing shall be provided for the Engineer's Field Office Trailers. As directed by the Engineer, the Contractor shall provide any of the materials/equipment listed under Article 2.02 for use in the Interim Engineer's Trailers prior to occupancy of the Engineer's Field Office Trailers.

1.06 QUALITY ASSURANCE

A. Not Used

1.07 SUBMITTALS

A. Submittals shall comply with the requirements of the Contract Documents. In addition, submittals shall include, but not be limited to:

1. Action Submittals:

a. Data sheets for all office equipment, supplies and services to be provided under this Section including but not limited to the following:

1) Network

2) Printers and Copying Machines

3) Telephones

4) Internet Service

1.08 DELIVERY, STORAGE, AND HANDLING

A. Not Used

1.09 SPARE PARTS, SPECIAL TOOLS, AND SUPPLIES

A. Not Used

1.10 SPECIAL WARRANTY PROVISIONS / GUARANTEE PERIODS

A. Not Used

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Large Combination Copy, Printer, and Scanner Machine: Provide the latest model copy machine from the following brands that meets the requirements specified herein:

1. Work Centre 7835 as manufactured by Xerox® Corp.

2. MX-2630V as manufactured by Sharp Electronics Corp.

3. Or approved equal.

B. Small Combination Copy, Printer, and Scanner Machine; Provide the latest model machine as specified herein:

1. Brother MFCJ5855DW
2. Xerox B235 Multifunction
3. Or approved equal.

C. Large-Format Inkjet Printer and Scanner. Provide the latest model machine as specified herein:

1. Cannon Image Prograf TM-300 – 36" large-format inkjet printer with stand and L36ei scanner (3058C011AA).
2. Or approved equal.

2.02 MATERIALS / EQUIPMENT

A. Provide all furnishings and equipment specified herein new and unused.

B. All equipment furnished under this Section shall be provided with, at a minimum, the following consumable and ancillary supplies for duration of the Contract:

1. Toner cartridges / ink cartridges for all machines
2. Paper and/or paper rolls for all machines
3. Maintenance / repair service contracts.
   a. The Contractor shall provide a service and repair contract via the local representative of the equipment dealer or manufacturer.
   b. The service contract shall be for on-call, on-site service during normal business hours.
   c. The maintenance response time shall be not more than 24 hours from the time of notification.
4. Consumables shall be provided to replace ones used.

C. Provide the following office equipment:

1. The Contractor shall install a LAN System:
   a. All cable, conduit, and equipment (installed) necessary to provide a LAN interface from each computer station, each combination copy, printer and scanner machine and the large-format inkjet printer and scanner machine.
   b. Cable and conduit routing shall be non-invasive and as approved by the Engineer.
   c. Provide managed Ethernet switch with sufficient ports for the office equipment specified herein. Power over Ethernet is acceptable for wireless access points and other devices.

d. Provide a sufficient number of 802.3 at Wi-Fi access points to provide the following minimum level of service to the entirety of the field office:

1) 1300Mbps at 5 GHz

2) 450Mbps at 2.4GHz

e. The Contractor shall be responsible for providing all appurtenances necessary to connect the managed Ethernet switch to the internet service provider, including underground installation of internet service.

f. Provide cable or fiber optic internet service of 100 MBps speed minimum. Satellite internet service providers are not acceptable.

g. Provide interim internet service for Interim Engineer's Trailer. Contractor to submit proposed interim service for Engineer's approval.

h. The Contractor shall coordinate with the Engineer to provide networking capability for servers installed by others within the IT closets of the Engineer's Field Office Trailers.

2. Large Combination Copy, Scanner, and Printer Machines:

a. Provide two (2) large combination copy, scanner, and printer machines.

b. Machines shall be automatic feed type, compatible with the computers.

c. Machines shall operate off the LAN with 10/100 Ethernet Connectivity at a minimum.

d. Machines shall be capable of printing 8½-in. by 11-in., 8½-in. by 14, and 11-in. by 17-in. sheets.

e. Machines shall be capable of printing black and white and color at a resolution up to 1200 x 2400 dpi.

f. Machines shall also have color and black and white scanning capability.

g. Furnish all cable, conduit, and equipment necessary to provide a LAN interface from the managed Ethernet switch to the machines.

h. Cable and conduit routing shall be non-invasive and as approved by the Engineer.

i. The machine shall be designed to produce 110,000 copies per month and shall be dust resistant.

j. Copy function shall be capable of automatically feeding 8½-in. by 11-in., 8½-in. by 14-in., and 11-in. by 17-in. originals.

k. Machine shall be capable of printing and copying onto plain bond paper sheets at variable magnification from 50% to 200%.

l. The machine shall have an automatic feed tray, a staple function, and an automatic copy sorter.

m. The paper tray for each size paper shall hold at least 144 sheets.

n. Machine shall be capable of scanning to TIFF and text searchable PDF. Machine shall have scan to e-mail function.

o. The Contractor shall obtain and pay for a service and repair contract with a local representative of the copy machine dealer or manufacturer for on-call daily on-Site service.

p. The Contractor shall furnish powders, cartridges, chemicals, or other materials required for proper operation of the copy machine and paper supply.

3. Large-Format Inkjet Printer and Scanner Machine:

a. Provide one (1) Large-Format Inkjet Printer and Scanner.

b. Machine shall print in color with print resolution of 2400 x 1200 dpi.

c. Machine shall have a maximum scan size of 36” x 109” at 600 dpi resolution.

d. Machine shall have a front tray, media cutter, output tray, and roll feed.

e. Machine shall have USB 2.0, Wi-Fi, and Ethernet interfaces.

f. The Contractor shall obtain and pay for a service and repair contract with a local representative of the machine dealer or manufacturer for on-call daily on-site service.

g. The Contractor shall furnish paper, powders, cartridges, chemicals, or other materials required for proper operation of the machine and paper supply.

4. Telephone Service:

a. Provide nineteen (19) VoIP Telephones.

b. Each telephone shall be a full feature push button telephone set with multiple lines and all equipment necessary for its operation.

c. All telephones will be connected to a central switchboard having a minimum of ten independent touch-tone phone service lines.

d. The phones and phone service shall be furnished and installed by the Contractor.

e. Make arrangements and bear all costs for the installation of cables and for supplying telephone service during the Contract period.

f. The telephone lines shall be separate from the facsimile line specified herein.

5. Small Combination Copy, Scanner, and Printer Machine:

a. Provide six (6) small combination copy, scanner, and printer machines.

b. Machines shall be automatic feed type, compatible with the computers.

c. Machines shall be capable of printing 8½-in. by 11-in. and 8½-in. by 14-in.

d. The paper tray for each size paper shall hold at least 144 sheets.

e. The Contractor shall furnish powders, cartridges, chemicals, or other materials required for proper operation of the copy machine and paper supply.

D. Office Supplies:

1. The Contractor shall furnish all office supplies required by the Engineer and their staff during the course of construction.

2. Items shall include but not be limited to note pads, pens, pencils, paper clips, rubber bands, labels, manila folders, envelopes, erasers, hanging folders for filing cabinets, ink pads, 3 hole punches, label makers, staplers, staples, tape dispensers, tape, 3-ring binders of all sizes and widths, batteries, CD/DVD writers, inspector books, etc. and all ancillary supplies necessary to operate an office and the facsimile and copy machines.

2.03 FABRICATION / ASSEMBLING / FINISHES

A. Not Used

2.04 SOURCE QUALITY CONTROL / SHOP TESTS

A. Not Used

PART 3 EXECUTION

3.01 EXAMINATION / PREPARATION

A. The Engineer's Field Office Trailers shall be completely equipped with office equipment and supplies required under this Section and ready for operations within 275 ccd after the issuance of the Notice to Commence Work and, thereafter, shall be continuously available for the use of the Engineer for the duration of the Work.

B. The Interim Engineer’s Trailers shall be available for equipment and supplies within sixty (60) ccd after Notice to Proceed. The Contractor shall provide

materials/equipment listed in paragraph 2.02 for the Interim Engineer's Trailers as directed by the Engineer. The Contractor shall move all Contract provided furnishings, equipment, and supplies from the Interim Engineer's Trailers to the Engineer's Field Office Trailers when the Engineer's Field Office Trailers are complete and ready for occupancy.

3.02 IMPLEMENTATION

A. Maintenance of Equipment and Services:

1. Maintain and repair all office equipment and furnishings in first class condition for continuous operation.

2. Telephone and Internet service:

a. Provide telephone service, including all calling charges for the Engineer's Field Office Trailers, for the duration of the Contract.

b. Provide internet service (cable or fiber optic – satellite is not acceptable) in order to adequately service the offices.

c. Provide separate lines for telephone service and alarm monitoring.

d. Install all telephone cables required for supplying telephone service.

e. The Contractor shall pay the costs for installation of the telephone cables and for supplying and maintaining telephone, alarm monitoring, and internet service.

3.03 FIELD TESTING / QUALITY CONTROL

A. Not Used

3.04 STARTUP / DEMONSTRATION

A. Not Used

3.05 ADJUSTING / PROTECTION / CLEANUP

A. Removal of Equipment:

1. At the completion of all Work and as directed by the Engineer, the Contractor shall leave the supplied equipment and contents of the Engineer's Field Office Trailers on site.

2. The Contractor shall assist DEP in transferring all services for the Engineer's Field Office Trailers to a third party to the satisfaction of the Engineer.

END OF SECTION

Attachment 3: Addendum #3 - Section 07 27 00 - Air Barriers

SECTION 07 27 00 – AIR BARRIERS
CONTRACT KENS-EAST-2

PART 1 GENERAL

1.01 SUMMARY

A. Vapor and air barriers as specified herein shall include, but not be limited to reinforced polyethylene fabric, seam tape, fabric repair tape, and appurtenances.

B. Vapor barriers or air barriers shall be provided where shown on the Contract Drawings, specified in the Contract, or as required for a complete installation.

C. The following index of this Section is presented for convenience:

D.

Article	Title	Section Page
PART 1	GENERAL	1
1.01	Summary	1
1.02	Payment	1
1.03	Related Sections	1
1.04	References	1
1.05	Description	2
1.06	Quality Assurance	2
1.07	Submittals	4
1.08	Delivery, Storage, and Handling	4
1.09	Spare Parts, Special Tools, and Supplies	5
1.10	Special Warranty Provisions / Guarantee Periods	5
PART 2	PRODUCTS	5
2.01	Manufacturers	5
2.02	Materials / Equipment	5
2.03	Fabrication / Assembling / Finishes	6
2.04	Source Quality Control / Shop Tests	6
PART 3	EXECUTION	6
3.01	Examination / Preparation	6
3.02	Installation	7
3.03	Field Testing / Quality Control	7
3.04	Startup / Demonstration	7
3.05	Adjusting / Protection / Cleanup	7

1.02 PAYMENT

A. There is no separate payment provision for this Section.

1.03 RELATED SECTIONS

A. Not Used

1.04 REFERENCES

A. ASTM D882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting

B. ASTM D1709 - Standard Test Methods for Impact Resistance of Plastic

Film by the Free-Falling Dart Method

C. ASTM D2582 - Standard Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting

D. ASTM D3776 - Standard Test Methods for Mass Per Unit Area (Weight) of Fabric

E. ASTM D4833 - Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products

F. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

G. ASTM E96 - Standard Test Methods for Water Vapor Transmission

H. NYBC - New York City Building Code

I. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

1.05 DESCRIPTION

A. Regular vapor barrier, such as that used under slabs on grade, shall be a three-ply laminate combining two layers of rubber modified high density polyethylene and a high strength cord grid reinforcing mesh, manufactured in one piece in sizes up to 120 feet by 200 feet, with as few seams as possible, in accordance with the requirements of the Contract Documents.

B. Fire retardant vapor barrier or air barrier, such as that used on roof slabs, or as part of a wall system, shall be a three-ply polyethylene vapor barrier, reinforced with a heavy duty cord grid, manufactured in one piece in sizes up to 100 feet by 200 feet, with as few seams as possible, in accordance with the requirements of the Contract Documents. Fire retardant material shall have a Class I, Class A flame spread rating when tested in accordance with ASTM E84.

1.06 QUALITY ASSURANCE

A. Requirements of Regulatory Agencies:

B. All fire-retardant vapor barriers and/or air barriers work shall comply with fire-resistance ratings as shown, and as required by the Town of Mount Pleasant, New York, and the New York State Building Code. Source Quality Control:

1. Engage a single manufacturer who shall provide the services of a technical representative, who shall assist Contractor and Engineer by providing technical opinions on the adequacy of materials and methods of installation based on Shop Drawings approved by Engineer.

2. Provide such services during the time of delivery, storage, handling and installation of all sheet membrane waterproofing components, up to and including placement of crushed stone trench drains and completion of backfilling operations.

3. Provide a manufacturer who will provide complete technical services including preparation and review of Shop Drawings, installation methods and proposed detailing for the Work. Where the manufacturer requires additions, or changes to the Contract Documents these shall be made at no additional expense to DEP and only as acceptable to Engineer.

4. Provide only the highest quality materials and methods of construction and installation as recommended by the manufacturer and as acceptable to Engineer.

C. Installer Qualifications:

1. Engage a single installer skilled, trained and with successful experience in the application of each product who is a licensee of the manufacturer, or who can submit evidence in writing of being acceptable to the manufacturer and who agrees to employ only tradesmen with specific skill and successful experience in this type of Work. Submit names and qualifications to Engineer along with the following information on a minimum of three successful projects:

   a. Names and telephone numbers of owners, architects or engineers responsible for projects.

   b. Approximate contract cost of the sheet membrane waterproofing.

   c. Amount of area installed.

2. Submit proof of acceptability of installer by manufacturer to Engineer.

D. Performance Criteria:

1. Contractor's Review: Accompanying approval request, submit to engineer a written statement signed by Contractor, stating that the Contract Drawings and Specifications have been reviewed with an agent of the sheet membrane waterproofing material manufacturer and that he is in agreement that the selected systems are proper and compatible and that the details used for the Work are not in conflict with the manufacturer's details.

2. Statement of Application: Upon completion of the Work, submit a notarized statement to Engineer signed by Contractor stating that the Work complies with the requirements of the manufacturer's printed instructions and were proper and adequate for the condition of installation and use.

E. Testing Agency:

1. Engage a testing laboratory regularly engaged in the testing of construction materials.

F. Job Mock-Up:

1. Prior to the installation of sheet membrane waterproofing system, but after Engineer's approval of Shop Drawing submittals, erect a stepped-back job mock-ups using materials and application techniques specified for final Work. Provide special features and all components of the perimeter drain

system including crushed stone and geotextile filter fabric, showing the correct configurations of the various parts and the workmanship quality which shall be achieved in the Work. Build mock-ups at the site, in location approved by Engineer, of full thickness and height and approximately 12 foot - 0 inches long. Indicate the proposed workmanship to be expected in the finished Work. Include methods of installation typical to the Work including wall penetration and system termination details using all system components and accessories specified and approved for the Work. Also include an area of honeycombing and fin removal for Engineer's approval. Obtain Engineer's acceptance of mock-up before start of Work. Retain and protect mock-up before start of Work. Retain and protect mock-up during construction as a standard of judging completed Work. Do not alter or destroy mock-up until given written permission by Engineer.

2. Build as many job mock-ups as necessary in order to achieve Engineer's acceptance of the Work.

3. Sheet membrane waterproofing Work which proceeds without an approved job mock-up shall be stopped, removed and re-installed, after job mock-up approval, at no additional expense to DEP.

1.07 SUBMITTALS

A. The Contractor shall submit Shop Drawings for approval of the Engineer. Submittals shall include, but not be limited to:

1. Product Data: The Contractor shall submit copies of specifications, installation instructions and general recommendations from the vapor barrier and/or air barrier manufacturer. Manufacturer's data substantiating that the materials comply with the requirements shall be included.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Delivery of Materials:

1. Materials shall not be delivered to the project site before the time of installation.

2. Materials shall be delivered in sufficient quantities to allow continuity of the Work.

B. Storage of Materials:

1. Materials shall be stored in original, undamaged containers with manufacturer's labels and seals intact.

2. All materials shall be stored in a dry, enclosed area, out of direct sunlight, off the ground and away from all possible contact with water, ice, or snow.

3. Damage to materials during storage shall be prevented primarily by minimizing the amount of time they are stored at the project site before being incorporated into construction systems.

C. Handling of Materials:

1. Materials shall be handled carefully in order to avoid damage or breakage.
2. Materials shall not be exposed to detrimental conditions or physical damage. Materials which are so exposed shall be permanently removed from the project site and shall not be incorporated into the Work.
3. Materials shall be handled in such a manner so as to prevent inclusion of foreign materials.
4. Packages or containers shall not be opened until all necessary, preparatory Work is complete and installation is to begin immediately. Materials shall not be allowed to become wet or soiled or covered with ice or snow.

1.09 SPARE PARTS, SPECIAL TOOLS, AND SUPPLIES

A. Not Used

1.10 SPECIAL WARRANTY PROVISIONS / GUARANTEE PERIODS

A. Not Used

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Vapor and air barriers:

1. W.R. Meadows, Inc.
2. Stego Industries, LLC

2.02 MATERIALS / EQUIPMENT

A. Vapor barrier systems and air barrier systems shall be provided by the same manufacturer.

B. Regular Vapor Barrier Membrane: Regular vapor barrier membrane shall be a three-ply reinforced polyethylene fabric, and shall meet or exceed the following performance standards when tested in accordance with the following methods:

Property	ASTM Test	Result
Weight	ASTM D3776	28 lbs./MSF
Puncture Propagation Tear	ASTM D2582	17 lbs.
Permeance	ASTM E96	0.037 grains/hr/sf
Drop Dart	ASTM D1709	490 g
3" Tensile Strength	ASTM D882	96 lbs./5800 psi
Puncture Strength	ASTM D4833	26.6 lbs.

C. Fire Retardant Vapor or Air Barrier Membrane: Fire retardant membrane shall be a three-ply laminate fabric combining two layers of fire retardant, linear, low density polyethylene reinforced with a high strength cord grid, and shall meet or exceed the following performance standards when tested in accordance with the following methods:

Property	ASTM Test	Result
Weight	ASTM D3776	43 lbs./MSF
Puncture Propagation Tear	ASTM D2582	26 lbs.
Permeance	ASTM E96	0.035 grains/hr/sf
Cold Crack	ASTM D1709	-15 degrees F
Drop Dart	ASTM D1709	700 g
3" Tensile Strength	ASTM D882	100 lbs./3268 psi
Puncture Strength	ASTM D4833	36.0 lbs.
Flame Spread	ASTM E84	0
Smoke Developed	ASTM E84	50
NFPA 701 Large Scale Fire Resistance Test		Pass

D. Seam Tape: Seam tape shall be the manufacturer's standard double-sided asphaltic pressure sensitive mastic type seaming tape.

E. Fabric Repair Tape: Fabric repair tape shall be the manufacturer's standard self-adhesive tape used to repair any holes in vapor barrier which may be caused by excessive abuse.

2.03 FABRICATION / ASSEMBLING / FINISHES

A. Not Used

2.04 SOURCE QUALITY CONTROL / SHOP TESTS

A. Not Used

PART 3 EXECUTION

3.01 EXAMINATION / PREPARATION

A. Examination

1. The Contractor shall verify that areas to receive vapor barriers and/or air barriers are properly prepared and completed to final elevations.

B. Preparation

1. Surfaces to receive vapor barriers shall be clean and free of all foreign matter. Slab subgrade shall be properly compacted in accordance with Division 2 requirements, and shall be smooth with no rutted or lumpy areas.
2. Surfaces to receive air barriers shall be clean and free of all foreign matter.

3.02 INSTALLATION

A. General: Vapor barriers and air barriers shall be installed in strict accordance with the manufacturer's instructions. Barriers shall be smooth and wrinkle free.

B. Seams: Seams in barrier fabric shall be accomplished using the manufacturer's standard seam tape. Fabric overlap and seam tape placement shall be in accordance with the manufacturer's instructions. In ambient temperatures of 60 degrees F and less, additional heat sources shall be applied to the seams to achieve an effective bond.

C. Pipe Penetrations: Pipes and other penetrations through the barriers shall be sealed using manufacturer's standard pipe boots, which shall be installed in accordance with the manufacturer's directions.

D. Repairs: Holes in vapor barriers and/or air barriers shall be brought to the attention of the Engineer, and if, in the opinion of the Engineer, the holes are reparable, the holes shall be repaired using the manufacturer's standard fabric repair tape, applied in strict accordance with the manufacturer's instructions.

3.03 FIELD TESTING / QUALITY CONTROL

A. Not Used

3.04 STARTUP / DEMONSTRATION

A. Not Used

3.05 ADJUSTING / PROTECTION / CLEANUP

A. Adjusting

1. System components which are dislodged, damaged, expanded, or penetrated by subsequent installation operations or damaged by detrimental weather shall be immediately replaced with undamaged material in compliance with the Sections and properly protected as specified.

B. Protection

1. All components of the Work shall be protected from detrimental weather and damage until construction operations are completed and acceptable to Engineer.
2. Work which cannot, for reasons acceptable to Engineer, be covered with complete construction system before the onset of weather detrimental to the Work shall be completely covered and protected in such a manner as to deflect water and weather from the installation without damaging adjacent Work.

3. Vapor and air barrier systems shall be protected from all damage and abuse from all other Contractors and installers involved in the Work until Final Acceptance by DEP.

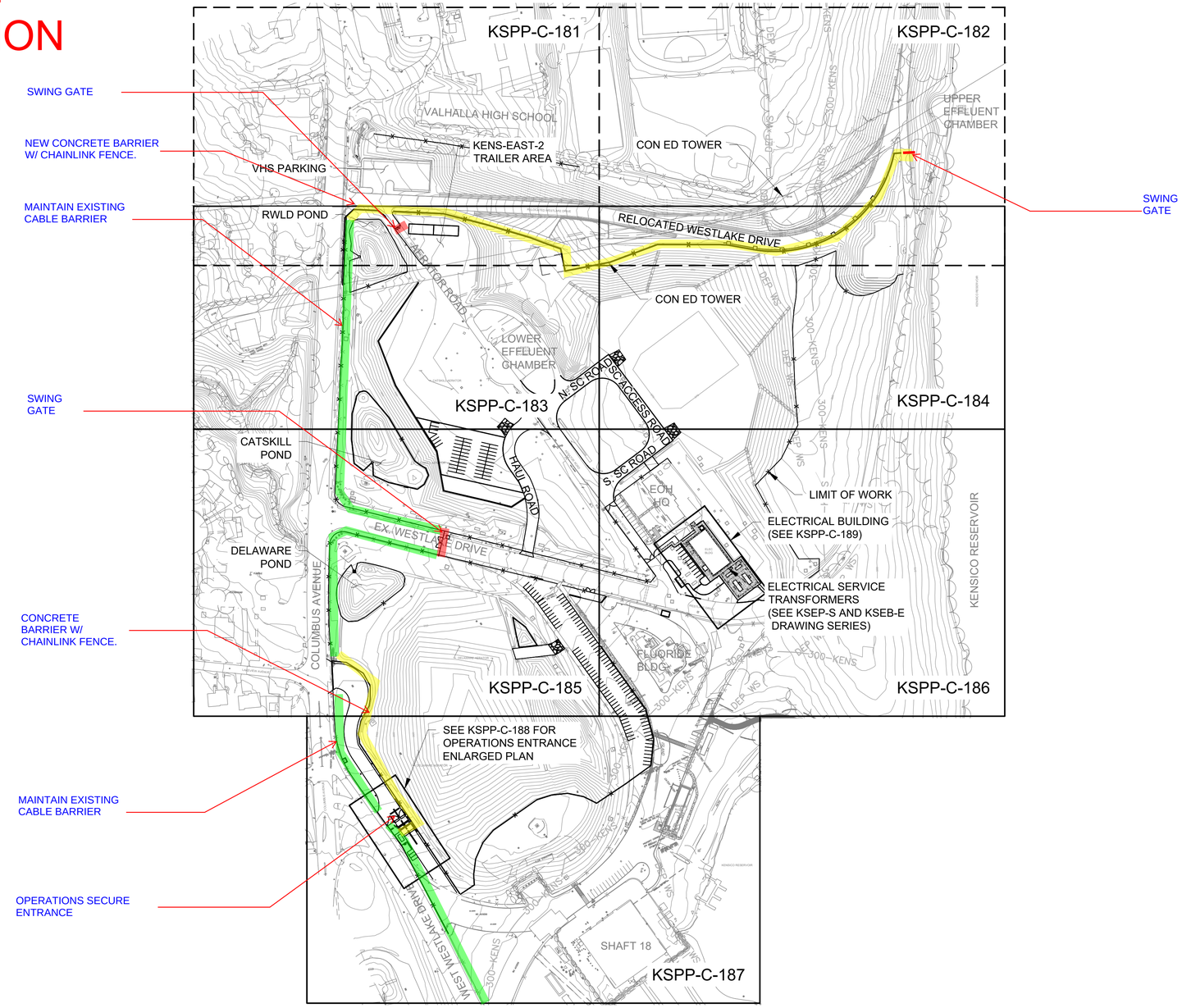
END OF SECTION

Attachment 4: Addendum #1 - Section 01 14 00 - Work Restrictions - Exhibit C

EXHIBIT C – Kensico Site Bailout Requirements

KENS-EAST-2 CONSTRUCTION

SECTION 01 14 00 – WORK RESTRICTIONS
CONTRACT KENS-EAST-2



1"=150' 0 150 300 FT.

KENSICO SITE BAILOUT REQUIREMENTS	SCALE	DATE	REVISION
	NA	4/25/2023	4

Environmental Protection

NEW YORK CITY
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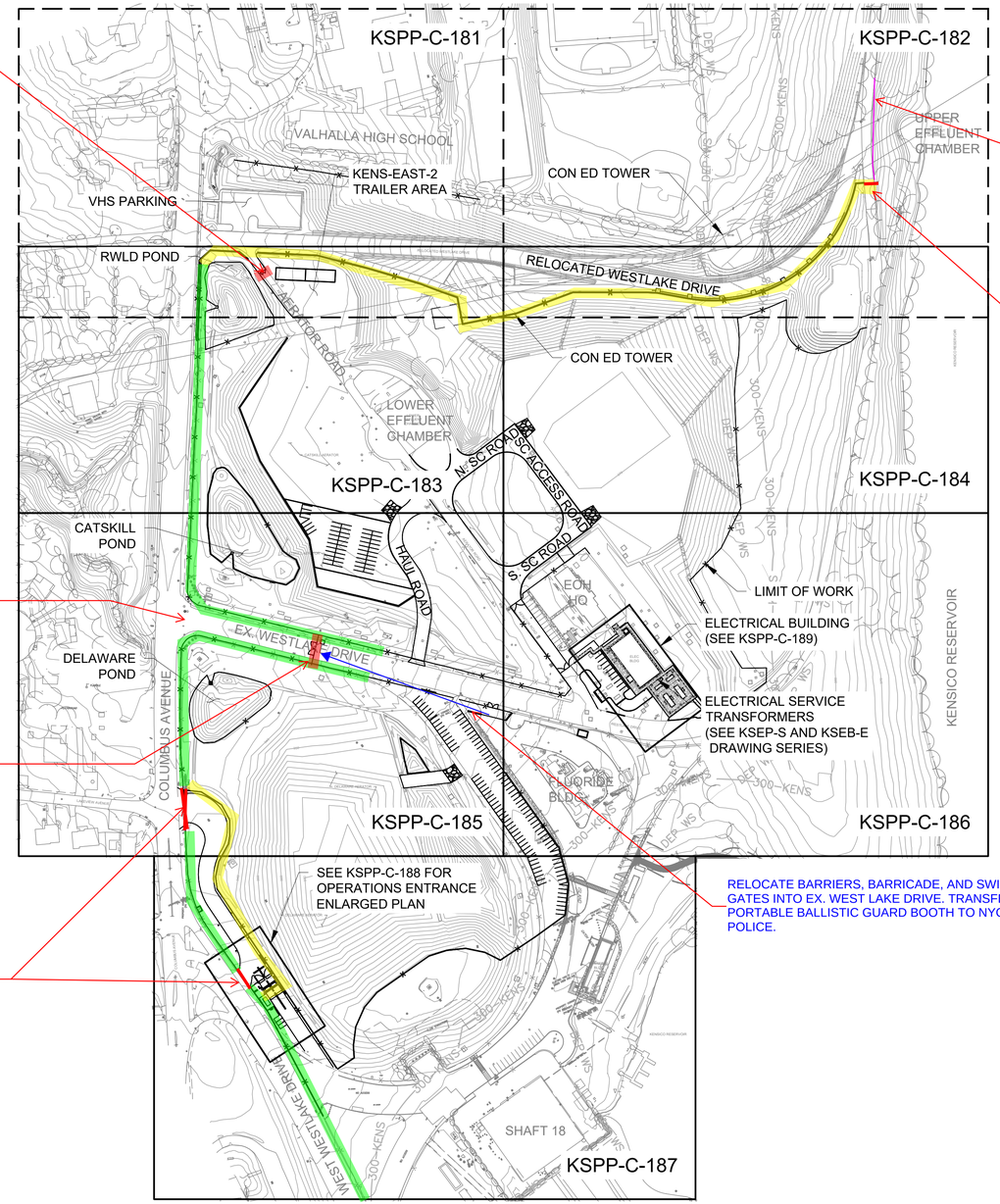
BAILOUT SCENARIO

SECTION 01 14 00 – WORK RESTRICTIONS
CONTRACT KENS-EAST-2



IN BAILOUT SCENARIO, CLOSE OFF SECONDARY ENTRANCES WITH JERSEY BARRIERS

IN BAILOUT SCENARIO, PLACE CONCRETE JERSEY BARRIERS IN FRONT OF GUIDERAIL

IN BAILOUT SCENARIO, CLOSE OFF SECONDARY ENTRANCES WITH JERSEY BARRIERS

IN BAILOUT SCENARIO, MAIN ENTRANCE TO THE SITE FOR NYCDEP AND AUTHORIZED STAFF. CONTRACTOR TO STABILIZE SITE AND DEMOBILIZE.

NEW BPS ENTRANCE

IN BAILOUT SCENARIO, IF DIRECTION IS PROVIDED BY ENGINEER, CLOSE OFF LAKEVIEW ENTRANCE WITH CONCRETE BARRIERS

RELOCATE BARRIERS, BARRICADE, AND SWING GATES INTO EX. WEST LAKE DRIVE. TRANSFER PORTABLE BALLISTIC GUARD BOOTH TO NYCDEP POLICE.

1"=150' 0 150 300 FT.

NEW SITE

KENSICO SITE BAILOUT REQUIREMENTS	SCALE	DATE	REVISION
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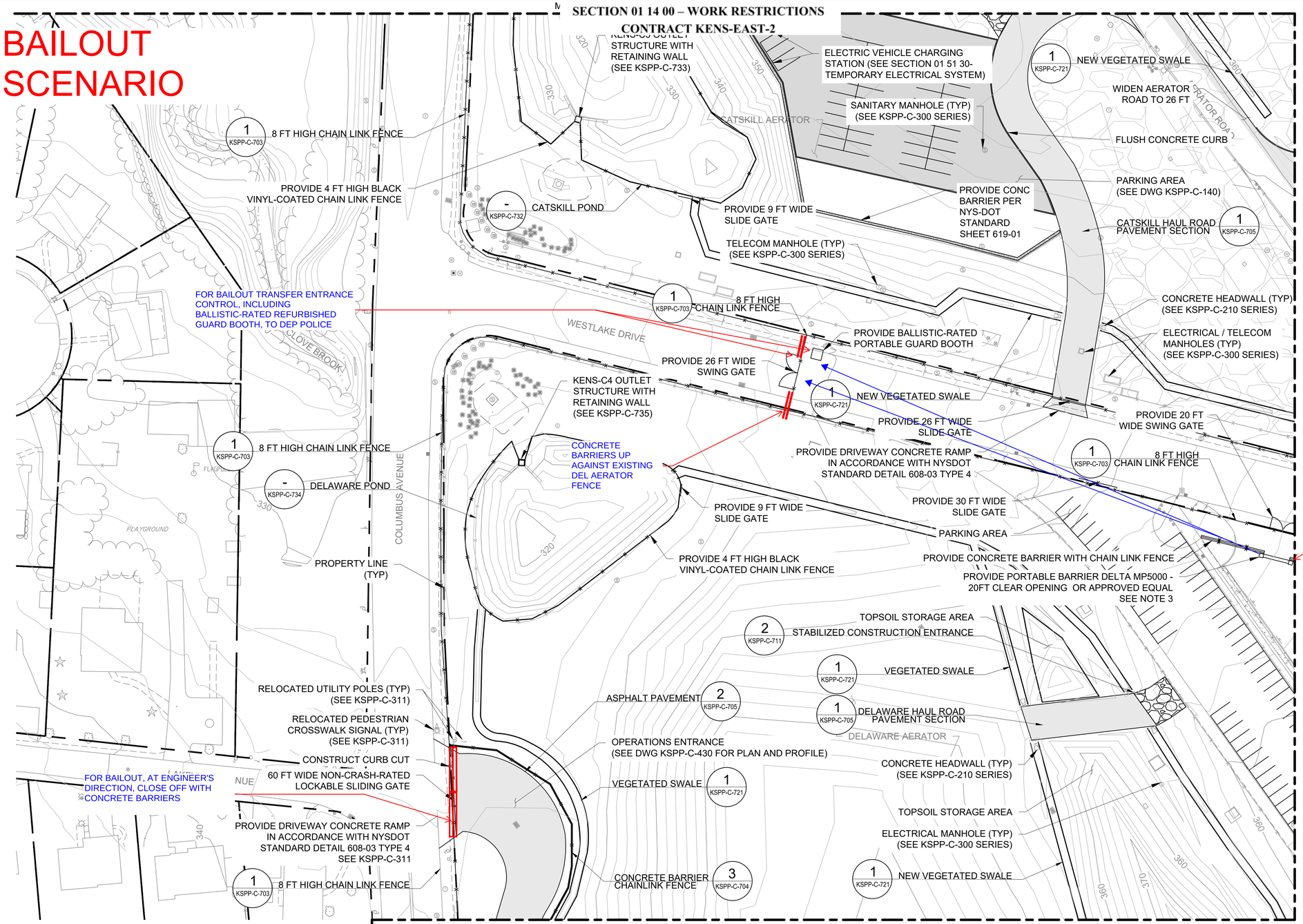
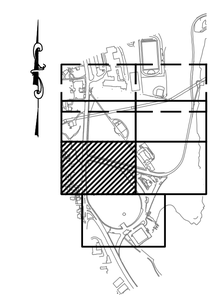
BAILOUT SCENARIO

SECTION 01 14 00 – WORK RESTRICTIONS
CONTRACT KENS-EAST-2



NOTES:

1. CONTRACTOR SHALL PROVIDE ANY REQUIRED ROAD PLATES AND/OR OTHER REQUIRED MEANS OF UTILITY PROTECTION FOR CONSTRUCTION TRAFFIC ACROSS WESTLAKE DRIVE.
2. AFTER RELOCATED WESTLAKE DRIVE IS COMPLETED, APPROVED AND OPEN TO THE PUBLIC, THE CONTRACTOR SHALL DISCONTINUE THE USE OF THAT CONSTRUCTION ENTRANCE AND USE EXISTING WESTLAKE DRIVE FOR CONSTRUCTION ACCESS EXCLUSIVELY.
3. PORTABLE VEHICLE BARRICADE SYSTEM SHALL BE PROVIDED BY DELTA SCIENTIFIC, MODEL MP5000 OR APPROVED EQUAL. PORTABLE BARRICADE SHALL BE 20FT CLEAR OPENING.
   - 3.1. PORTABLE BARRIER SHALL BE PROVIDED WITH STOP/GO SIGNAL LIGHT.
   - 3.2. DELIVERY, STORAGE, INSTALLATION, AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
   - 3.3. THE VEHICLE BARRICADE SHALL BE CONTROLLED FROM THE ADJACENT SECURITY BOOTH.
   - 3.4. SUBMIT FINAL EQUIPMENT AND LAYOUT TO THE ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.



KEY PLAN

KENSICO SITE BAILOUT REQUIREMENTS	SCALE	DATE	REVISION
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SHEET NUMBER 3

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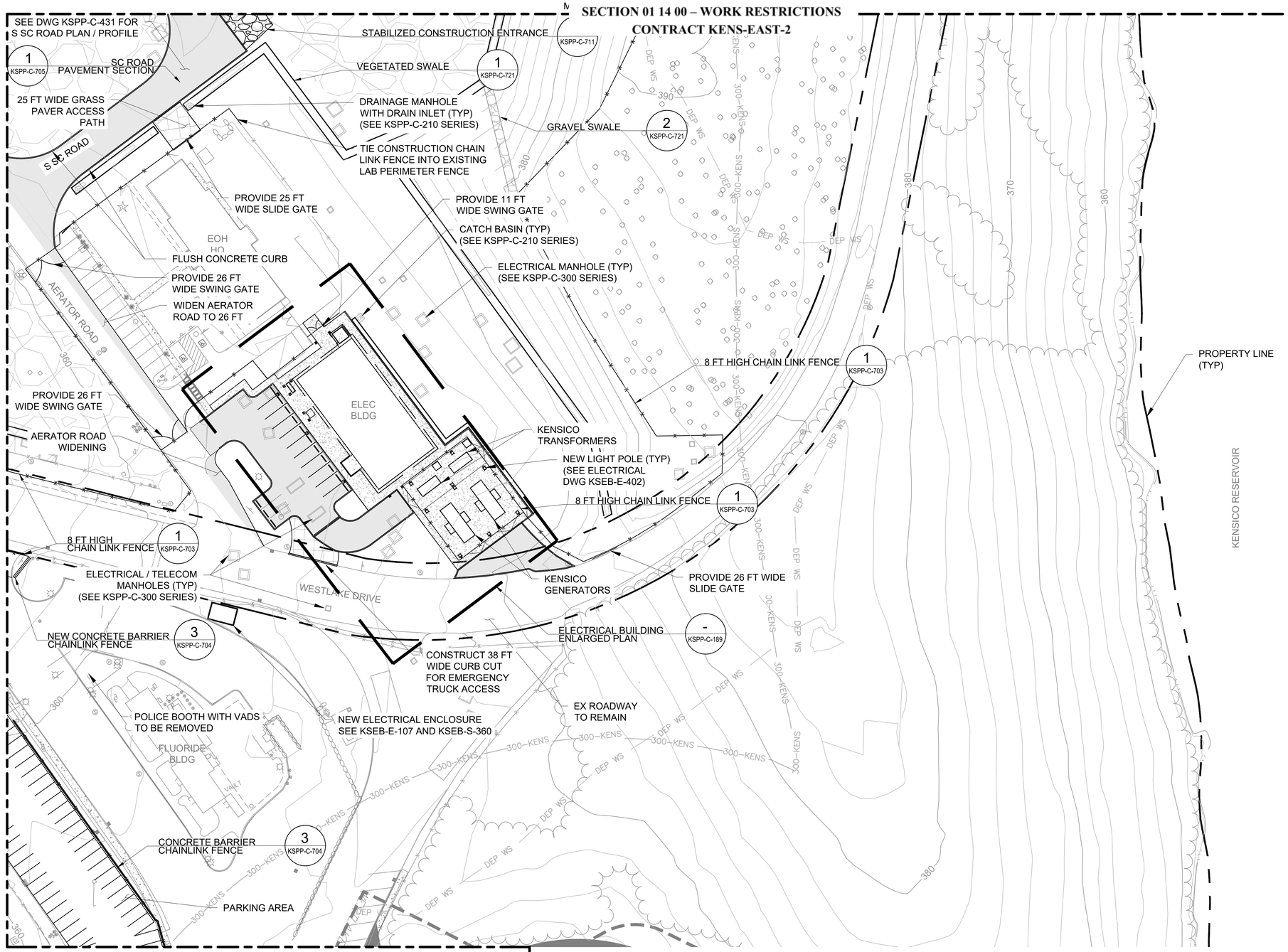
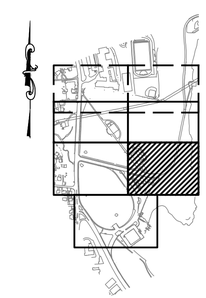
SECTION 01 14 00 – WORK RESTRICTIONS
CONTRACT KENS-EAST-2



NOTES:

1. ALL CHAIN LINK FENCE COMPONENTS FOR TRANSFORMER ENCLOSURE SHALL BE BLACK VINYL COATED.
2. REFER TO DETAILED SPECIFICATION 31 31 13 - CHAIN LINK FENCES AND GATES.



KEY PLAN

1"=40' 0 40 80 FT.

KENSICO SITE BAILOUT REQUIREMENTS	SCALE	DATE	REVISION
	NA	4/25/23	4

NYC Environmental Protection

NEW YORK CITY
ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN & CONSTRUCTION

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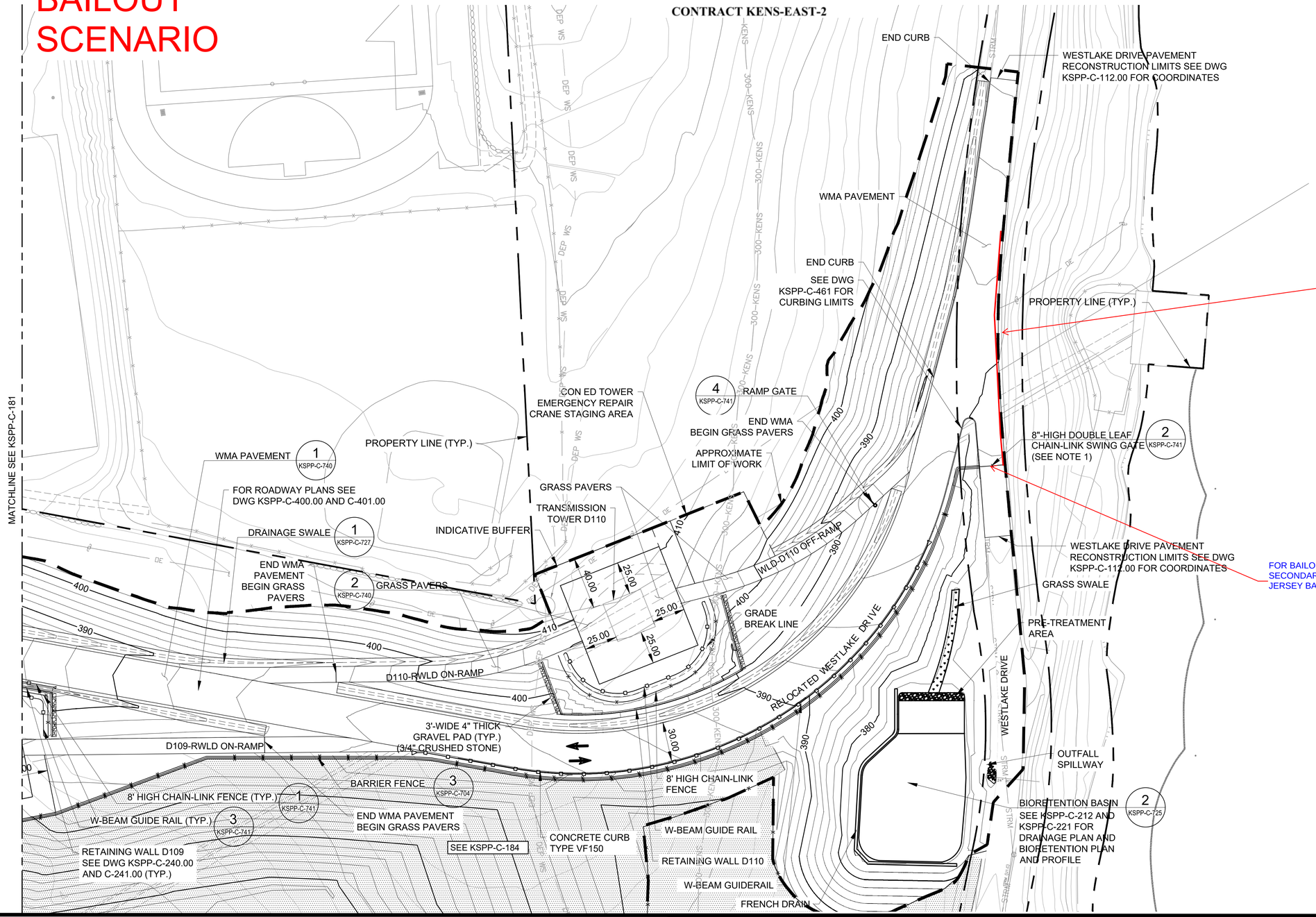
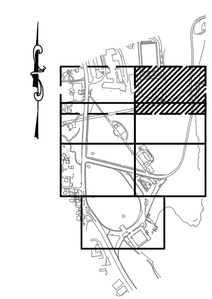
BAILOUT SCENARIO

SECTION 01 14 00 – WORK RESTRICTIONS
CONTRACT KENS-EAST-2



NOTES

1. EXISTING WESTLAKE DRIVE TO BE CLOSED OFF ONLY AFTER THE CONSTRUCTION OF RELOCATED WESTLAKE DRIVE IS COMPLETED.
2. PRIOR TO EXCAVATION, CONTRACTOR TO IDENTIFY, LOCATE, AND VERIFY DEPTH OF EXISTING UNDERGROUND UTILITIES.



KEY PLAN

1"=40' 0 40 80 FT.

KENSICO SITE BAILOUT REQUIREMENTS	SCALE	DATE	REVISION
	NA	4/25/23	4

NEW YORK CITY
ENVIRONMENTAL PROTECTION
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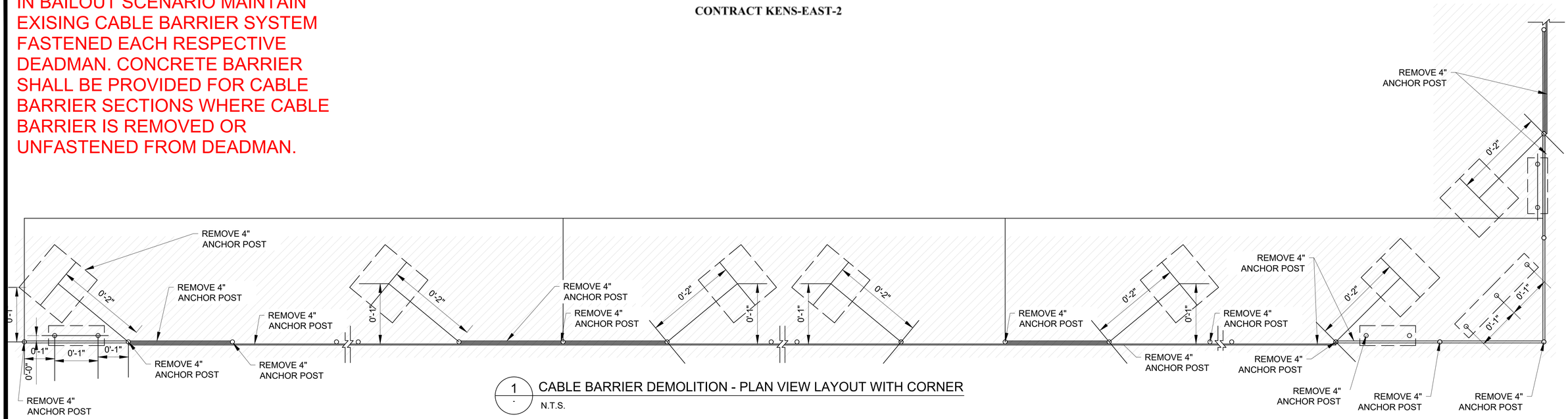
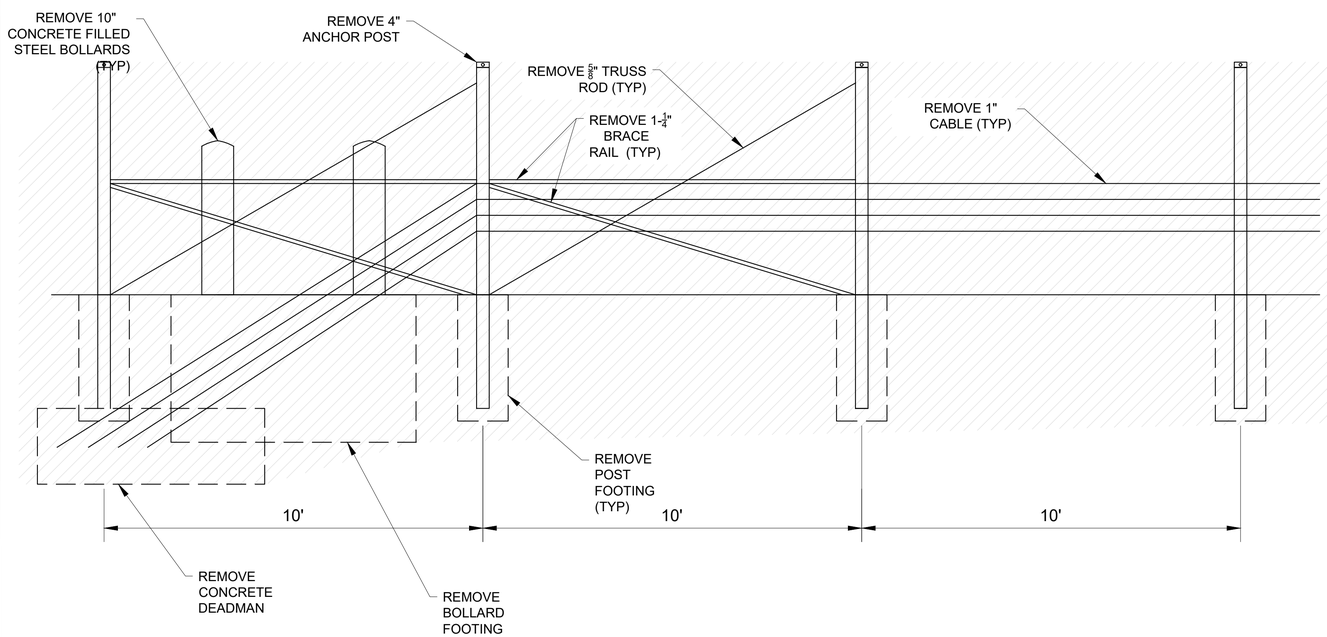
IN BAILOUT SCENARIO MAINTAIN EXISING CABLE BARRIER SYSTEM FASTENED EACH RESPECTIVE DEADMAN. CONCRETE BARRIER SHALL BE PROVIDED FOR CABLE BARRIER SECTIONS WHERE CABLE BARRIER IS REMOVED OR UNFASTENED FROM DEADMAN.



1 CABLE BARRIER DEMOLITION - PLAN VIEW LAYOUT WITH CORNER
N.T.S.



KENSICO SITE BAILOUT REQUIREMENTS	SCALE NA	DATE 4/25/2023	REVISION 4
Environmental Protection	NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF ENGINEERING DESIGN & CONSTRUCTION	SHEET NUMBER 6	

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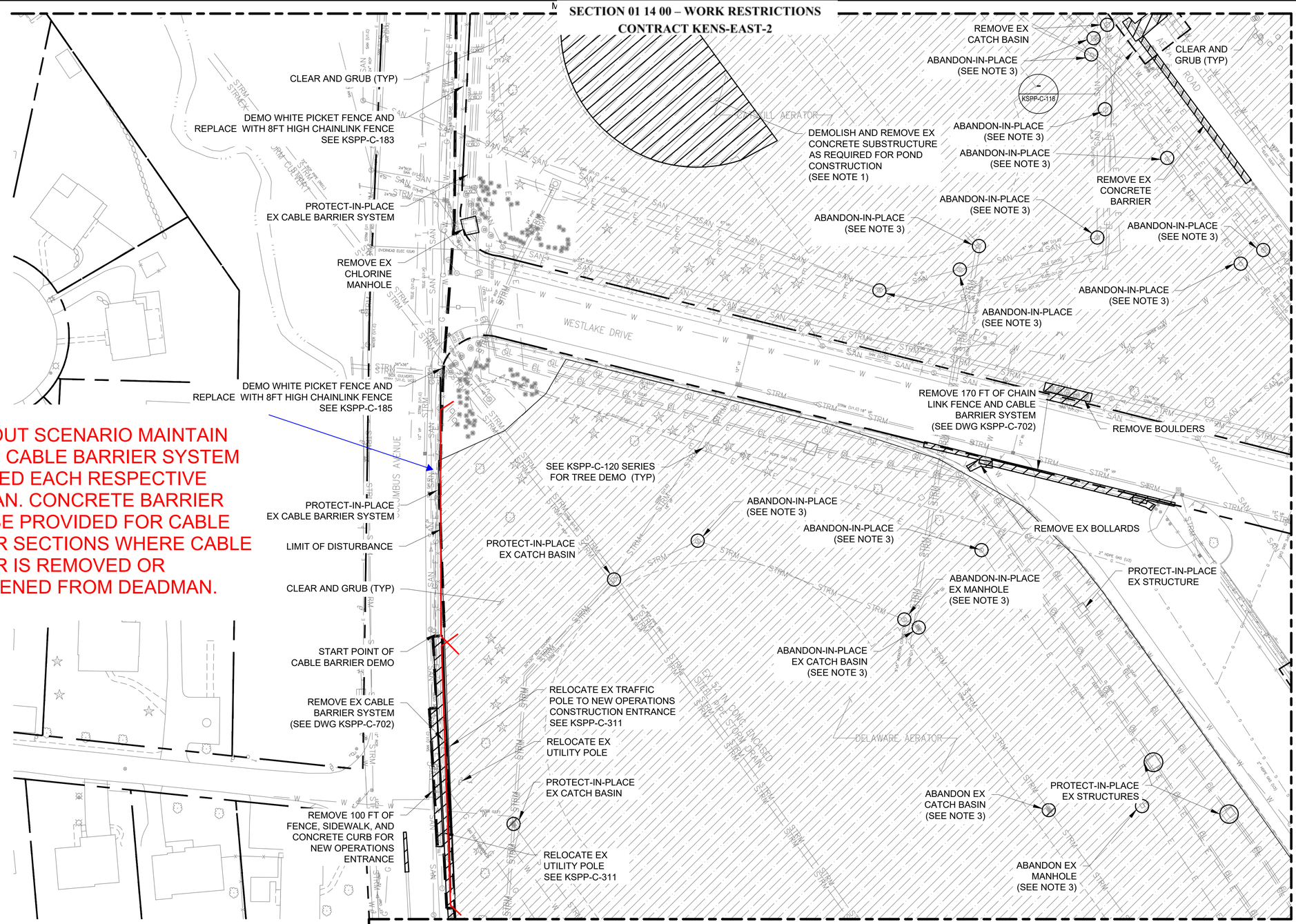
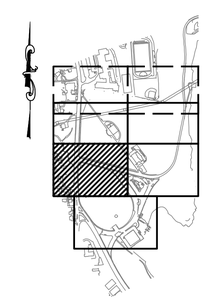
SECTION 01 14 00 – WORK RESTRICTIONS
CONTRACT KENS-EAST-2



IN BAILOUT SCENARIO MAINTAIN EXISING CABLE BARRIER SYSTEM FASTENED EACH RESPECTIVE DEADMAN. CONCRETE BARRIER SHALL BE PROVIDED FOR CABLE BARRIER SECTIONS WHERE CABLE BARRIER IS REMOVED OR UNFASTENED FROM DEADMAN.

NOTES:

1. CONTRACTOR SHALL REFER TO CAT-210 SP AS-BUILT DRAWINGS, PROVIDED IN BID EXHIBIT FOR EXISTING AERATOR SUBSTRUCTURE DIMENSIONS.
2. CATCH BASINS AND MANHOLES SHALL BE ABANDONED IN ACCORDANCE WITH SECTION 02 41 10 - DEMOLITION AND REMOVALS
3. PIPES, MANHOLES AND HANDHOLES SHALL BE ABANDONED IN PLACE IN ACCORDANCE WITH SECTION 02 41 10 - DEMOLITION AND REMOVALS
4. ALL EXISTING UTILITY MANHOLES, HANDHOLES DRAINS AND CATCHBASINS NOT SPECIFICALLY NOTED FOR ABANDONMENT SHALL BE PROTECTED IN PLACE. IF REQUIRED, RIMS SHALL BE ADJUSTED TO NEW GRADES AS PER KSPP-C-200 SERIES
5. ALL CABLE BARRIERS NOT LISTED FOR DEMOLITION SHALL BE PROTECTED IN PLACE AND REMAIN INSTALLED AND FASTENED TO THEIR RESPECTIVE DEADMAN.



KEY PLAN

1"=40' 0 40 80 FT.

KENSICO SITE BAILOUT REQUIREMENTS	SCALE NA	DATE 4/25/2023	REVISION 4
Environmental Protection — NEW YORK CITY ENVIRONMENTAL PROTECTION BUREAU OF ENGINEERING DESIGN & CONSTRUCTION		SHEET NUMBER 7	

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Last Saved By: Epotter Last Date Saved: 4/3/2023 11:24 AM Date & Time Plotted: 4/5/2023 5:04 PM
Paper Size Printed/Plotted: ANSI full bleed D (22.00 x 34.00 Inches) Plot Scale:1:1 Plot Style Table: BEDC_Acad(N).ctb
Drawing File Name & Drive Location: (command "zoom" "E")

Attachment 5: Valhalla High School Tree Survey

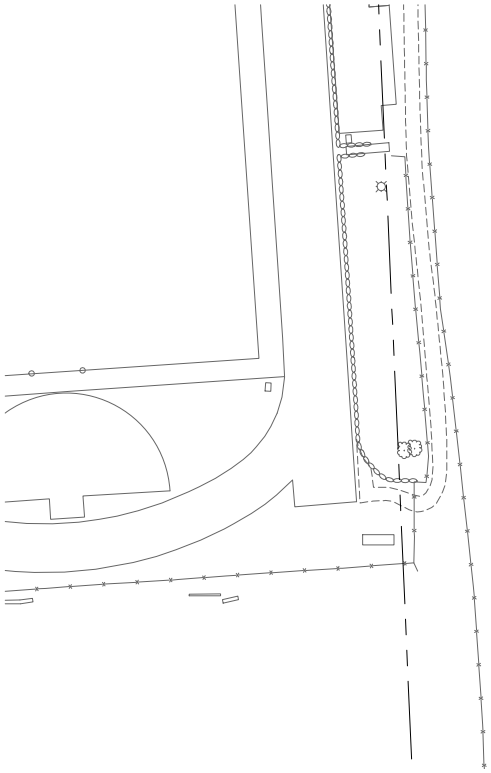
KENS-EAST-DES Tree Inventory Report Task Order 2

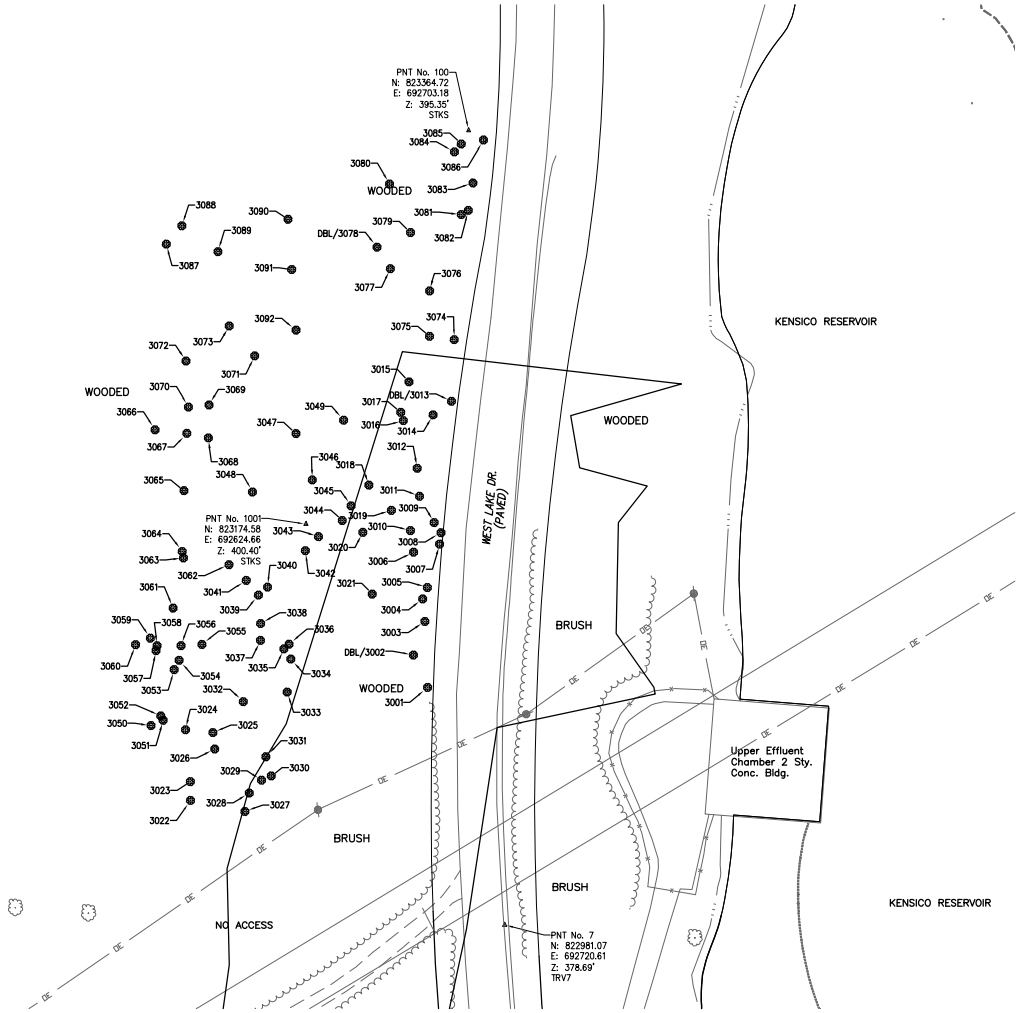
Prepared By: Being Here Landscape Architecture, PLLC
D. Williams, ISA CA #NY-5504A
P. Alford, ISA CA #NJ-1269A
Date: 10/19/2021

Tree Tag #	Species - Common Name	Species - Scientific Name	Caliper (Inches)	Condition	Notes	Native
4420	Norway Maple	Acer platanoides	9	Fair	TD, SH	N
4421	Norway Maple	Acer platanoides	6	Good	None	N
4422	Norway Maple	Acer platanoides	7	Poor	TC, DC	N
4423	Black Oak	Quercus velutina	4.5	Fair	SH, PROX	Y
4424	Pignut Hickory	Carya glabra	24	Good	DW	Y
4425	Norway Maple	Acer platanoides	4.5	Good	SH, PROX	N
4426	Norway Maple	Acer platanoides	10,7	Poor	SH, PROX, DC, BU, RD, dead tree from school property leaning on 4426	N
4427	Norway Maple	Acer platanoides	14, 12, 4	Fair	BU, DC	N
4428	Pignut Hickory	Carya glabra	16	Good	V	Y
4429	Black Oak	Quercus velutina	8	Fair	SH	Y
4430	Black Oak	Quercus velutina	4.5	Fair	SH	Y
4431	Dead	N/A	20	Dead	DEAD, V	N/A
4432	Sassafras	Sassafras albidum	13	Fair	V, SH	Y
4433	Sassafras	Sassafras albidum	8	Fair	V, SH	Y
4434	Norway Maple	Acer platanoides	4	Fair	V	N
4435	Sassafras	Sassafras albidum	9	Fair	V, TD	Y
4436	Sweet Birch	Betula lenta	6	Fair	V, SH	Y
4437	Sweet Birch	Betula lenta	10	Fair	V, L, SH	Y
4438	Sweet Birch	Betula lenta	12	Fair	V, L, SH	Y
4439	Norway Maple	Acer platanoides	8	Fair	V, SH, TD, BU	N
4440	Norway Maple	Acer platanoides	14, 13	Fair	BU, TD, DC, V	N
4441	Norway Maple	Acer platanoides	16, 2.5	Good	Dead tree leaning against 4441	N
4442	Dead	N/A	15	Dead	V	N/A
4443	Shagbark Hickory	Carya ovata	16	Good	V	Y
4444	Norway Maple	Acer platanoides	6	Good	None	N
4445	Norway Maple	Acer platanoides	14, 12, 3.5	Fair	BU, RD	N
4446	Norway Maple	Acer platanoides	24, 8	Fair	BU, DC, GR, RD	N
4447	Dead	N/A	15	Dead	V	N/A
4448	Black Cherry		4	Fair	L, BU	Y
4449	Norway Maple	Acer platanoides	10	Fair	L, V	N
4450	Norway Maple	Acer platanoides	14, 6	Fair/Poor	BU, DC, RD, CR, 6" stem falling	N
4451	Serviceberry	Amelanchier sp.	6	Fair	TD, DC, INS	Y
4452	Serviceberry	Amelanchier sp.	7, 4	Fair	SH	Y
4453	Tuliptree	Liriodendron tulipifera	13	Good	TD, V	Y
4454	Norway Maple	Acer platanoides	18	Good	RD, PROX, V	N
4455	Dead	N/A	8	Dead	None	N/A
4456	American Elm	Ulmus americana	5.5	Fair	V, PROX, TD	Y
4457	Norway Maple	Acer platanoides	14	Good	TD	N
4458	Norway Maple	Acer platanoides	13	Poor	BL, V, RD, on stream bank	N
4459	Dead	N/A	15, 12	Dead	V	N/A
4460	Dead	N/A	17	Dead	V, snag	N/A
4461	Dead	N/A	6, 6, 7	Dead	V	N/A
4462	Dead	N/A	5.5	Dead	V	N/A
4463	Norway Maple	Acer platanoides	8	Fair	L, on stream edge	N
4464	Black Walnut	Juglans nigra	6, 2	Fair	TC, BU	Y

TREE NOTES LEGEND WITH DESCRIPTION		
Abbreviation	*Name*	*Description*
BU	Branch Union	V-shaped branch attachments that are weak, or greater than half the size of main leader
BL	Broken Leader	Main or primary leader of the tree has broken, or is missing
CA	Canker	Localized diseased areas on the main trunk or branch and shows signs of bleeding
CR	Cracks	Separation in the wood in either a longitudinal or transverse direction
CW	Compression Wood	Abnormal development of wood formed in conifer trees as a response due to gravity
DEAD	Dead Tree	Tree that exhibits no sign of living tissue or new growth
DC	Decay	Wood decay or fungus found in the roots, sapwood or heartwood
DW	Dead Wood	Several dead branches or limbs found in the canopy
FEL	Felled	Fallen tree that has been uprooted
GOOD	Good	Tree in good condition, no defects
GR	Girdled Roots	Roots that are circular or tightly wrapped around the trunk or stem
INS/PEST	Insect or Pest	Tree exhibits signs of boring insects or pest damage (woodpecker)
L	Lean	Angle of the trunk measured from vertical is greater than 10 degrees
ML	Multi-Leader	Codominant stems or multiple leaders - two or more stems/leaders
PROX	Proximity to Another Tree	Tree location is within close proximity of another tree
RD	Root Damage	Conditions in the roots and root collar show signs of damage or decay
RW	Reaction Wood	Abnormal development of wood formed in deciduous trees as a response due to gravity
SH	Shape	Distorted or unbalanced tree canopy
TD	Trunk Damage	Cracks or wounds to the main trunk caused by wind or mechanical damage
V	Vines	Climbing vines that have girdled the trunk or have reached the canopy

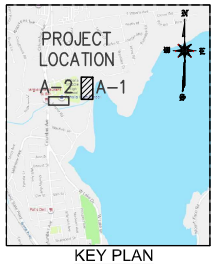
TREE CONDITION LEGEND WITH DESCRIPTIONS	
GOOD	Trees with well-balanced, upright, evenly branching, well-formed crowns and which are considered good examples of their species are graded as GOOD
FAIR	Trees with less balanced crowns which are mildly distorted due to competition with neighboring trees or structures, or which have suffered minor damage, or which have leaning trunks for example are graded as FAIR
POOR	Trees with very distorted crowns which are leaning severely, or which suffered the loss of major branches, show signs of insect or pest damage, or which are unstable are graded as POOR





TREE SURVEY A-1

1"=30' 0 30 60 FT.



KEY PLAN

NOTES:

VERTICAL DATUM – NAVD 1988 AND HORIZONTAL DATUM – NAD83 (2011) NY EAST; BASED ON GPS OBSERVATIONS BY MATRIX NEW WORLD ON 09/02/2020 AND REFERRING TO LEICA SMARTNET CONTINUOUSLY OPERATING REFERENCE STATION (CORS) NETWORK, NATIONAL GEODETIC SURVEY MONUMENT: CORS STATION "CTDA," "NYBR", "NYVH".

THE TREE LOCATIONS SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY MATRIX NEW WORLD WITH CONVENTIONAL SURVEY EQUIPMENT ON 09/02/2020.

THE MAP BACKGROUND INFORMATION IS SHOWN PER MAP ENTITLED: "CATSKILL AQUEDUCT PROJECT", PREPARED BY GOLDEN AERIAL SURVEYS IN SEPTEMBER OF 2015, AND RECEIVED VIA EMAIL AS DWG FORMAT. THIS MAP IS NOT SEALED NOR SIGNED. MATRIX DIDN'T PERFORM ANY FIELD VERIFICATIONS OF THE ABOVE-MENTIONED MAP AND ARE NOT RESPONSIBLE FOR OMISSIONS BETWEEN THE MAP AND CURRENT CONDITIONS.

GRAPHIC SCALES CHECK BEFORE USE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.

DESIGNED BY: NA
CHECKED BY: S BRAS
DESIGN LEAD: NA
SECTION MANAGER: S WYNESS

DRAWN BY: HZA/IRI

TREE SURVEY PREPARED BY: MATRIX NEW WORLD Engineering Designs

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: JONATHAN HOFFMAN
DEPUTY DIRECTOR, IN HOUSE DESIGN: PURNIMA DHARIA

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BUREAU OF ENGINEERING DESIGN & CONSTRUCTION
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CORONA, NEW YORK 11368
www.nyc.gov/dep

CONTRACT KENS EAST-DES
KENSICO SITE TREE INVENTORY PLAN AHEET 1 OF 2

DATE: 11-11-2021
SCALE: AS NOTED
SHEET NO: V100.00
DRAWING NO. 1 OF 2

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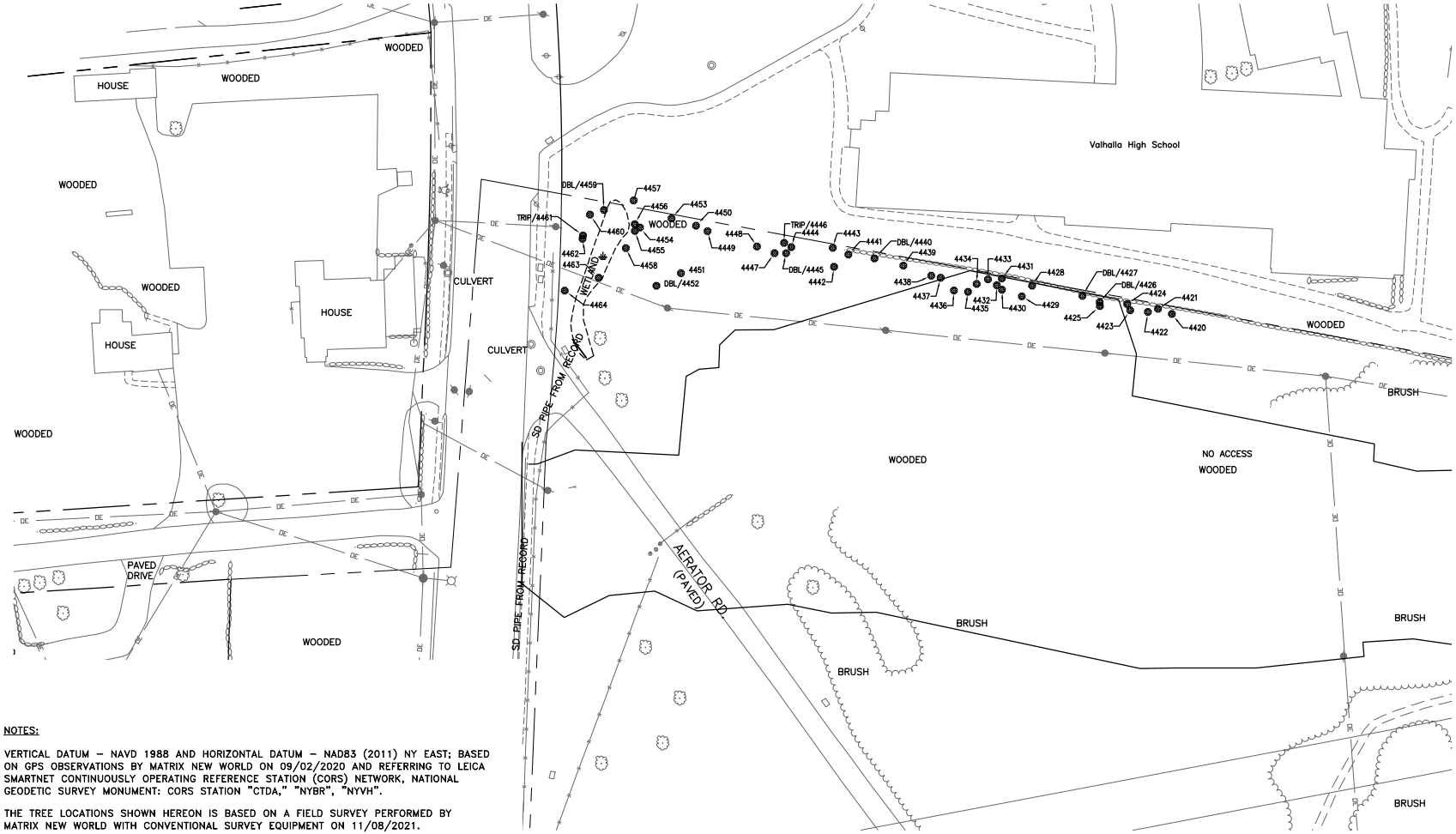
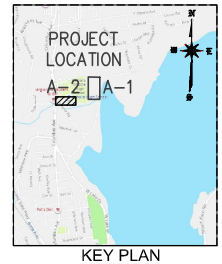
Paper Size:ANSI D Plot Scale:1:1 Plot Style Table:BEDC_Acad(EX).ctb
Drawing Name: & Location:F:\2019\19-226 Kensico East\Tree Survey\Deliverables\2021-11-11 Final\2021-11-11 Kensico Eastview Connecting Tunnel_Tree Survey Final.dwg





KEY PLAN

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THE TREE LOCATIONS SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY MATRIX NEW WORLD WITH CONVENTIONAL SURVEY EQUIPMENT ON 11/08/2021.

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TREE SURVEY A-2

1"=30' 0 30 60 FT.

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NO.	DATE	REVISIONS/DESCRIPTION	APPR'D.

DESIGNED BY: NA
CHECKED BY: S BRAS
DESIGN LEAD: NA
SECTION MANAGER: S WYNESS

DRAWN BY: HZA/IRI
TREE SURVEY PREPARED BY: MATRIX NEW WORLD Engineering Surveyors

STATE OF NEW YORK · JOHN CHOMEY WEBSTER · 049073 · LICENSED LAND SURVEYOR

Environmental Protection

ACCOUNTABLE MANAGER: JUSTIN RIVELLINO
PORTFOLIO MANAGER: JONATHAN HOFFMAN
DEPUTY DIRECTOR, IN HOUSE DESIGN: PURNIMA DHARIA

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CONTRACT KENS EAST-DES
KENSICO SITE TREE INVENTORY PLAN AHEET 2 OF 2

DATE: 11-11-2021
SCALE: AS NOTED
SHEET NO: V101.00
DRAWING NO. 2 OF 2

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Paper Size:ANSI D Plot Scale:1:1 Plot Style Table:BEDC_Acad(EX).ctb
Drawing Name: & Location:F:\2019\19-226 Kensico Eastview Connecting Tunnel\Survey\Deliverables\2021-11-11 Final\2021-11-11 Kensico Eastview Connecting Tunnel_Tree Survey Final.dwg

THE CITY OF NEW YORK

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

CONTRACT ADDENDUM #3

FOR FURNISHING ALL
LABOR AND MATERIAL NECESSARY
AND REQUIRED FOR:

Contract KENS-EAST-2

Kensico Site Preparation