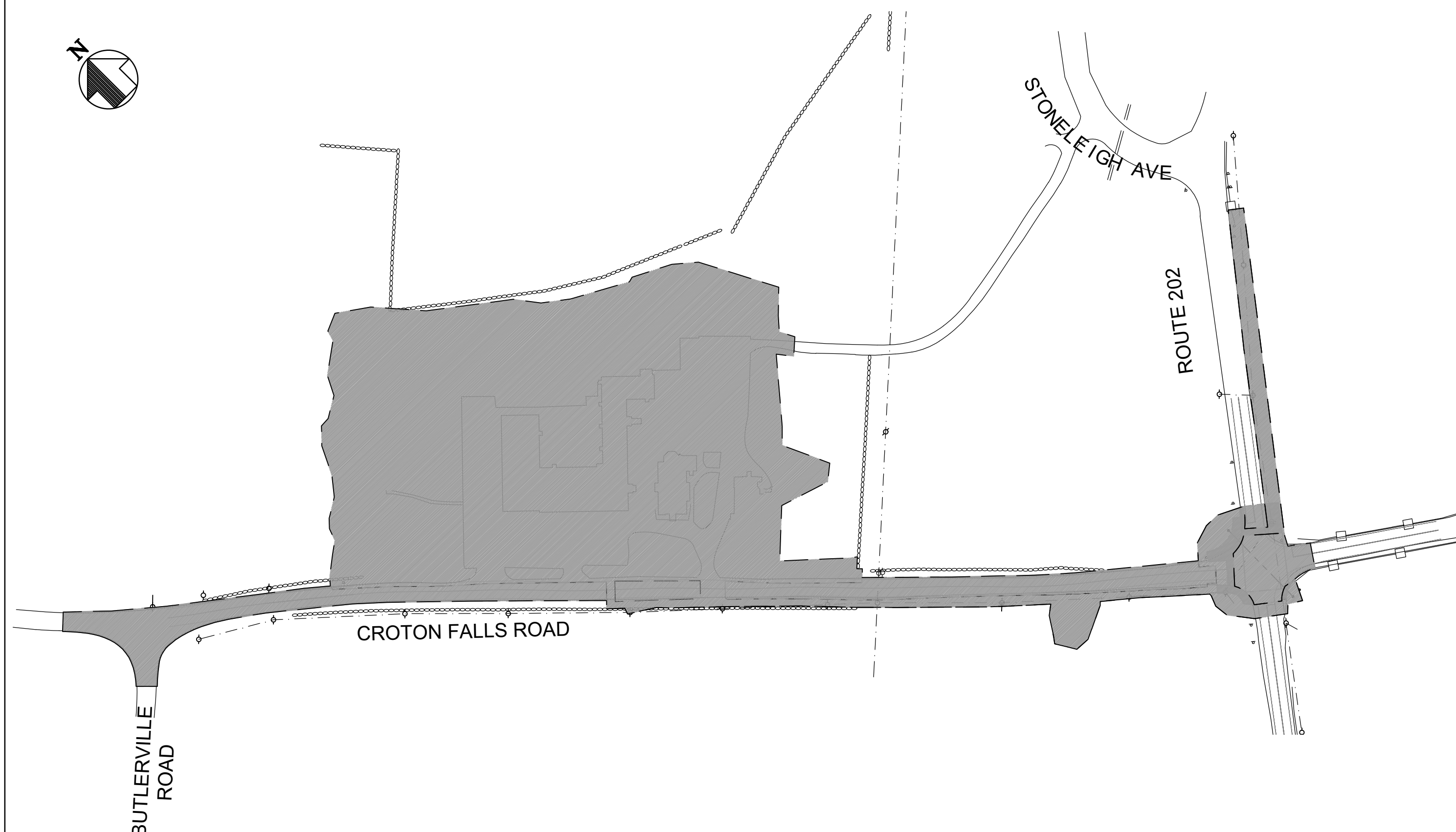


# UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS

PACKAGE 2  
SURFACE PARKING LOT

12 CROTON FALLS ROAD  
SOMERS, NEW YORK

CONTRACT 142486





DRAWING LIST

SHEET NO.	DRAWING NO.	DRAWING TITLE
1	G-100	COVER SHEET
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7	C-003	EXISTING CONDITION PLAN 3 OF 3
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11	C-103	DEMOLITION PLAN 3 OF 3
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13	C-202	SITE LAYOUT PLAN 2 OF 3
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22	C-301	SIGNAGE AND PAVEMENT MARKING PLAN 1 OF 3
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40	C-530	SIGN TEXT DATA TABLE
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47	C-615	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN - INTERSECTION CORNERS 1 OF 2
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49	C-617	MAINTENANCE AND PROTECTION OF TRAFFIC - HAUL ROUTE
50	C-620	MAINTENANCE AND PROTECTION OF TRAFFIC - SIGN TEXT DATA TABLE AND DETAILS
51	C-621	MAINTENANCE AND PROTECTION OF TRAFFIC - STANDARD DETAILS 1 OF 4
52	C-622	MAINTENANCE AND PROTECTION OF TRAFFIC - STANDARD DETAILS 2 OF 4
53	C-623	MAINTENANCE AND PROTECTION OF TRAFFIC - STANDARD DETAILS 3 OF 4
54	C-624	MAINTENANCE AND PROTECTION OF TRAFFIC - STANDARD DETAILS 4 OF 4

SHEET NO.	DRAWING NO.	DRAWING TITLE
55	CS-101	CONSTRUCTION SEQUENCING PLAN STAGE 1
56	CS-102	CONSTRUCTION SEQUENCING PLAN STAGE 2
57	CS-103	CONSTRUCTION SEQUENCING PLAN STAGE 3
58	A-001	PARKING PAY STATION AND BUS SHELTER SYMBOLS AND GENERAL NOTES
59	A-100	PARKING PAY STATION AND BUS SHELTER KEY PLAN, LOCATION & SHELTER PLAN
60	A-101	PARKING PAY STATION AND BUS SHELTER FLOOR, RCP & DETAIL
61	A-102	PARKING PAY STATION AND BUS SHELTER ELEVATIONS & SECTIONS
62	A-103	PARKING PAY STATION DETAILS
63	T-001	TRAFFIC SIGNAL NOTES
64	T-101	TRAFFIC SIGNAL PLAN - W-166 CROTON FALLS RD/RTE 202
65	T-102	TRAFFIC SIGNAL TABLES - W-166 CROTON FALLS RD/RTE 202
66	T-201	TRAFFIC SIGNAL DETAILS - NYSDOT 1 OF 3
67	T-202	TRAFFIC SIGNAL DETAILS - NYSDOT 2 OF 3
68	T-203	TRAFFIC SIGNAL DETAILS - NYSDOT 3 OF 3
69	E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES
70	E-101	TEMPORARY POWER & LIGHTING PLAN 1 OF 2
71	E-102	TEMPORARY POWER & LIGHTING PLAN 2 OF 2
72	E-201	ELECTRICAL POWER PLAN
73	E-301	LIGHTING PLAN 1 OF 2
74	E-302	LIGHTING PLAN 2 OF 2
75	E-303	PARKING PAY STATION AND BUS SHELTER POWER & LIGHTING PLAN
76	E-401	LIGHTING DETAILS 1 OF 2
77	E-402	LIGHTING DETAILS 2 OF 2
78	E-403	LIGHTING FIXTURE SCHEDULE
79	E-501	ELECTRICAL DETAILS 1 OF 3
80	E-502	ELECTRICAL DETAILS 2 OF 3
81	E-503	ELECTRICAL DETAILS 3 OF 3
82	E-601	ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULE
83	CM-100	HELP POINT SYSTEM DEVICE AND MOUNTING DETAILS
84	PL-001	PLUMBING NOTES, ABBREVIATIONS, AND LEGEND
85	PL-101	PLUMBING REMOVAL PLAN
86	PL-201	PLUMBING PROPOSED PLAN
87	PL-501	PLUMBING DETAILS
88	L-001	LANDSCAPE PROTECTION AND REMOVAL NOTES
89	L-100	LANDSCAPE PROTECTION AND REMOVAL PLAN 1 OF 3
90	L-101	LANDSCAPE PROTECTION AND REMOVAL PLAN 2 OF 3
91	L-102	LANDSCAPE PROTECTION AND REMOVAL PLAN 3 OF 3
92	L-400	LANDSCAPE PROTECTION & REMOVAL TABLE 1 OF 5
93	L-401	LANDSCAPE PROTECTION & REMOVAL TABLE 2 OF 5
94	L-402	LANDSCAPE PROTECTION & REMOVAL TABLE 3 OF 5
95	L-403	LANDSCAPE PROTECTION & REMOVAL TABLE 4 OF 5
96	L-404	LANDSCAPE PROTECTION & REMOVAL TABLE 5 OF 5
97	L-500	LANDSCAPE PROTECTION & REMOVAL DETAILS
98	LR-001	LANDSCAPE RESTORATION NOTES
99	LR-100	LANDSCAPE RESTORATION PLAN 1 OF 3
100	LR-101	LANDSCAPE RESTORATION PLAN 2 OF 3
101	LR-102	LANDSCAPE RESTORATION PLAN 3 OF 3
102	LR-400	LANDSCAPE RESTORATION PLANTING SCHEDULE
103	LR-500	LANDSCAPE RESTORATION DETAILS
104	S-100	STRUCTURAL DETAILS 1 OF 2
105	S-101	STRUCTURAL DETAILS 2 OF 2

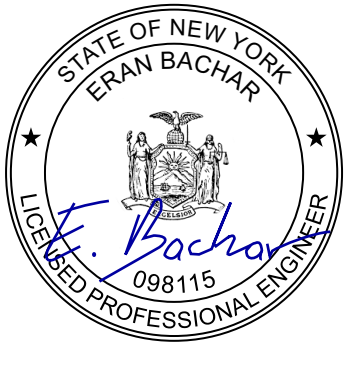
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DESIGNED  
L.M.

DRAWN  
D.C.Y.



CHECKED  
E.B.

APPROVED  
E.B.



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			CONFORMED			
NO.	DATE			DRWN	CHKD	APPVD
REVISIONS						



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

DRAWING LIST

CONTRACT NO.  
142486

SCALE  
N.T.S.

DATE  
03-03-2021

DRAWING NO.  
G-101

SHEET 2 OF 105

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GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO APPLICABLE METRO-NORTH RAILROAD GUIDELINES, NATIONAL, STATE AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION, NEW YORK STATE BUILDING CODE, ADA REQUIREMENTS DEPARTMENT OF HIGHWAYS, UTILITY COMPANIES, FIRE DEPARTMENT REGULATIONS, OSHA, ANY OTHER LOCAL OR OWNER IMPOSED REQUIREMENTS, AND THE BEST TRADE PRACTICES.
2. THE CONTRACTOR IS RESPONSIBLE FOR SUPERVISION OF THE WORK INCLUDING PERSONNEL PROTECTION IN ACCORDANCE WITH OSHA AND OTHER APPLICABLE REGULATIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL MAINTAIN THE SAFETY AND PROTECTION OF THE GENERAL PUBLIC DURING ALL CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR SHALL CONDUCT ALL OPERATIONS IN A MANNER NOT TO CAUSE DISRUPTION IN THE USE OF ADJOINING PROPERTIES AND FACILITIES. THE CONTRACTOR SHALL MAINTAIN SAFE, CLEAN AND UNRESTRICTED ACCESS AT ALL TIMES TO ADJACENT PUBLIC AND PRIVATE PROPERTY AND FACILITIES, AND INSTALL TEMPORARY FENCING, BARRICADES, AND PAVEMENT MARKINGS/STRIPPING AND SIGNAGE AS REQUIRED.
5. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH METRO-NORTH RAILROAD'S REPRESENTATIVE AND ALL OTHER CONTRACTORS PERFORMING WORK ADJACENT TO THE LIMITS OF WORK FOR THE DURATION OF THE CONTRACT.
6. METRO-NORTH RAILROAD'S REPRESENTATIVE RESERVES THE RIGHT TO EXAMINE THE CONTRACTOR'S WORK AT ANY TIME TO DETERMINE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AS INTENDED AND INTERPRETED BY THE ENGINEER.
7. ALL NECESSARY PERMITS ARE TO BE SECURED BY THE CONTRACTOR AT NO ADDITIONAL COST TO METRO-NORTH RAILROAD, INCLUDING BUT NOT LIMITED TO, NEW YORK STATE DEPARTMENT OF TRANSPORTATION HIGHWAY WORK PERMIT AND ENVIRONMENTAL PERMITS.
8. METRO-NORTH RAILROAD OPERATIONS SHALL BE NOTIFIED THREE DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL PERMITS MUST BE OBTAINED PRIOR TO COMMENCING ANY SIDEWALK, CURB OR ROADWAY PAVEMENT WORK. NO PERMITS SHALL BE ISSUED UNLESS THE APPLICANT HAS ON FILE ALL INSURANCE AND WORKER'S COMPENSATION AS REQUIRED BY LAW AND IN ACCORDANCE WITH THE RULES AND REGULATIONS OF NYSDOT.
9. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT AS REQUIRED TO COMPLETE THE SCOPE OF THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
10. STORAGE OF MATERIALS AND EQUIPMENT ON METRO-NORTH RAILROAD PROPERTY AND RIGHT-OF-WAY SHALL BE LIMITED TO THE DESIGNATED STAGING AREAS AS INDICATED IN THE CONTRACT DOCUMENTS OR AS APPROVED BY THE ENGINEER. STAGING AND STORAGE ON NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION LAND IS PROHIBITED.
11. THE CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIAL PROMPTLY FROM THE WORK SITE TO A METRO-NORTH APPROVED DISPOSAL SITE.
12. MATERIALS STORED ON SITE SHALL BE OSHA CLASSIFIED NON-HAZARDOUS /NON-FLAMMABLE/NON-COMBUSTIBLE. OSHA CLASSIFIED HAZARDOUS MATERIALS SHALL BE PROTECTED OR REMOVED FROM THE SITE AS ORDERED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE METRO-NORTH RAILROAD WITH MATERIAL SAFETY DATA SHEETS FOR ANY CHEMICALS OR FUELS ON-SITE.
13. THE CONTRACTOR IS RESPONSIBLE FOR FIELD CONDITIONS AND IS ALSO RESPONSIBLE TO COORDINATE ALL WORK PROCEDURES WITH THE LOCAL AUTHORITIES.
14. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGES DURING THE EXECUTION OF THE WORK TO ANY SITE COMPONENTS IDENTIFIED IN THE CONTRACT DRAWINGS AS TO BE PROTECTED.
15. ALL LOCATIONS AND DIMENSIONS PROVIDED FOR EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR.
16. THE CONTRACTOR SHALL COMPLETE ALL WORK WITHIN THE LIMITS OF WORK IDENTIFIED IN THE CONTRACT DOCUMENTS, AND IN THE COORDINATION WITH THE APPROPRIATE LOCAL AGENCY HAVING JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE WORK CANNOT BE COMPLETED WITHIN THE SPECIFIED LIMITS, PRIOR TO WORK BEING COMPLETED IN THAT AREA.
17. UNFORESEEN CONDITIONS ENCOUNTERED DURING THE COURSE OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND METRO-NORTH RAILROAD PRIOR TO CONTINUING WORK. NO ADDITIONAL WORK BEYOND THAT SPECIFIED IN THE CONTRACT DOCUMENTS SHALL BE PERFORMED UNLESS APPROVED IN ADVANCE BY THE ENGINEER.
18. THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE RESIDENT ENGINEER AND METRO-NORTH RAILROAD IF ANY SUSPECTED FLAMMABLE/HAZARDOUS MATERIALS ARE ENCOUNTERED DURING THE WORK.
19. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SITE SAFETY AND METHODS AND MEANS OF CONSTRUCTION.
20. SITE CLEARING AND GRUBBING WITHIN THE LIMITS OF DISTURBANCE, AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDES BUT IS NOT LIMITED TO THE REMOVAL OF TREES, ROOTS, BRUSH, DEBRIS, VEGETATION, ROCKS, BOULDERS, POLES, VAULTS, FOOTINGS, UTILITIES, PAVEMENT, FENCES AND ALL OTHER ITEMS REQUIRED TO CONSTRUCT THE PROJECT.

21. RELOCATION AND REMOVAL WORK SHALL BE PERFORMED IN A MANNER THAT DOES NOT DISTURB OR DAMAGE EXISTING UTILITIES OR OTHER FACILITIES NOT INDICATED TO BE RELOCATED OR REMOVED.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION AND MISALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND GOOD CONSTRUCTION PRACTICE.
23. TRANSPORTATION FOR DISPOSAL OF REMOVED SOLID MATERIALS SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02 61 00 - SAMPLING, TESTING, HANDLING, LOADING, REMOVAL AND DISPOSAL OF SOILS.
24. IF STOCKPILING IS REQUIRED PRIOR TO DISPOSAL, MATERIALS SHALL BE TEMPORARILY STOCKPILED ON-SITE BY THE CONTRACTOR WITHIN AREAS APPROVED BY ENGINEER.
25. CONTRACTOR SHALL POLICE THE SITE AND REMOVE ALL TRASH AND DEBRIS FROM THE LIMITS OF WORK SHOWN ON THE DRAWINGS, PRIOR TO DEMOBILIZATION.
26. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS FOR RODENT AND INSECT CONTROL IN SPECIFICATION SECTION 01 35 43 - ENVIRONMENTAL PROTECTION. CONTRACTOR SHALL REPORT ANY RODENT OR INSECT ISSUES FOUND ON SITE TO THE RESIDENT ENGINEER.
27. THE CONTRACTOR SHALL CONTROL AIRBORNE PARTICULATES (I.E. DUST) AND THEIR MIGRATION FROM THE WORK SITE ALL TIMES TO PROTECT WORKER AND PUBLIC HEALTH AND SAFETY. CONTROLS ARE TO BE IMPLEMENTED DURING WORK HOURS, NON-WORKING HOURS, WEEKENDS, AND HOLIDAYS. CONTRACTOR SHALL KEEP DUST DOWN IN AREAS DISTURBED BY OPERATIONS AND MATERIALS STOCKPILED FOR THE PROJECT. CONTRACTOR TO SUPPLY WATER FOR DUST SUPPRESSANT ACTIVITIES, AS NEEDED.
28. WORK SHALL PROCEED ONLY ON A SCHEDULE APPROVED BY METRO-NORTH RAILROAD. ALL WORK SHALL BE COORDINATED WITH THE WORK SCHEDULE TO CAUSE MINIMAL DISTURBANCE TO VEHICLES TRAVELING THROUGH THE WORK ZONE AND THE ADJACENT WORK BEING PERFORMED UNDER MNR CONTRACT 142487.
29. CONTRACTOR SHALL RESTORE DISTURBED AREAS ALONG CROTON FALLS ROAD, OUTSIDE OF THE LIMITS OF WORK, THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES TO EXISTING CONDITIONS AT NO ADDITIONAL COST TO METRO-NORTH RAILROAD.
30. CONTRACTOR PERSONNEL WILL NOT BE PERMITTED TO COMMENCE WORK UNTIL DOCUMENTATION IS PRESENTED TO METRO-NORTH RAILROAD DEMONSTRATING COMPLETION OF METRO-NORTH RAILROAD "CONTRACTOR ROADWAY WORKER TRAINING." THIS IS A COMPUTER-BASED TRAINING TO BE COMPLETED AT THE CONTRACTOR'S EXPENSE. TRAINING STICKER MUST BE AFFIXED TO HARDHAT AND TRAINING IDENTIFICATION CARD MUST BE CARRIED AT ALL TIMES WHILE ON SITE.
31. THE CONTRACTOR SHALL SUBMIT THEIR SAFE WORK PLAN TO METRO-NORTH RAILROAD AND THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION PRIOR TO COMMENCING WORK.
32. PRIOR TO PERFORMING ANY WORK, ALL CONTRACTOR PERSONNEL SHALL HAVE COMPLETED THE OSHA 10-HOUR CONSTRUCTION SAFETY COURSE. CONTRACTOR PROJECT MANAGERS, SUPERINTENDENTS, FOREMEN, AND COMPETENT PERSONS SHALL HAVE COMPLETED THE OSHA 30-HOUR CONSTRUCTION SAFETY COURSE WITHIN 5 YEARS OF THE CONTRACT AWARD DATE.
33. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SITE SAFETY ORIENTATION FOR ALL CONTRACTOR PERSONNEL PRIOR TO COMMENCING WORK.
34. THE CONTRACTOR SHALL CONDUCT DAILY SAFETY BRIEFINGS AT THE START OF EACH WORK DAY, AT ANY TIME DURING THE WORK DAY WHEN CONDITIONS CHANGE, AND WHEN NEW TASKS ARE INITIATED. ALL INDIVIDUALS INVOLVED IN THE TASK MUST BE IN ATTENDANCE.
35. THE CONTRACTOR SHALL CONDUCT WEEKLY SAFETY MEETINGS TO REVIEW THE TWO-WEEK PERIOD FOLLOWING THE MEETING AS WELL AS MONTHLY SAFETY MEETINGS.
36. ALL CONTRACTOR PERSONNEL SHALL WEAR PERSONAL PROTECTIVE EQUIPMENT (PPE) AT ALL TIMES WHILE ON SITE. METRO-NORTH RAILROAD'S MINIMUM REQUIRED WORK CLOTHING AND PPE ARE LONG PANTS AND SHORT SLEEVE SHIRT, WORK BOOTS, HARD HAT, PROTECTIVE EYEWEAR, REFLECTIVE HIGH VISIBILITY VEST, AND GLOVES. CONTRACTOR COMPANY NAME MUST BE ON HARD HAT/VEST AND THE WORD "CONTRACTOR" MUST BE PRINTED ON VESTS. CONTRACTOR PERSONNEL SHALL WEAR ADDITIONAL TASK-SPECIFIC PPE AS NEEDED. PPE ENFORCEMENT IS THE CONTRACTOR'S RESPONSIBILITY.
37. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE MTA AND NEW YORK STATE DIRECTIVES AND REQUIREMENTS REGARDING COVID-19.
38. CONTRACTOR IS PROHIBITED FROM ENTERING NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION PROPERTY WITHOUT PRIOR APPROVAL. THIS INCLUDES USE OF THE ACCESS DRIVEWAY FROM MNR PROPERTY TO STONELEIGH AVENUE.

LEGEND

EXISTING	PROPOSED	
		STONE WALL
		TREE
		PROPERTY LINE/LOT LINE
		SINGLE POST MOUNTED SIGN
		UTILITY POLE
		LIGHT POLE
		OVERHEAD UTILITY WIRE
		CONTOURS
		CONCRETE FLOW LEVEL SPREADER
		MANHOLE
		INLET
		STORM DRAIN PIPE
		SPOT ELEVATION
		HELP POINT

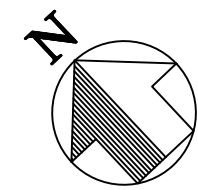
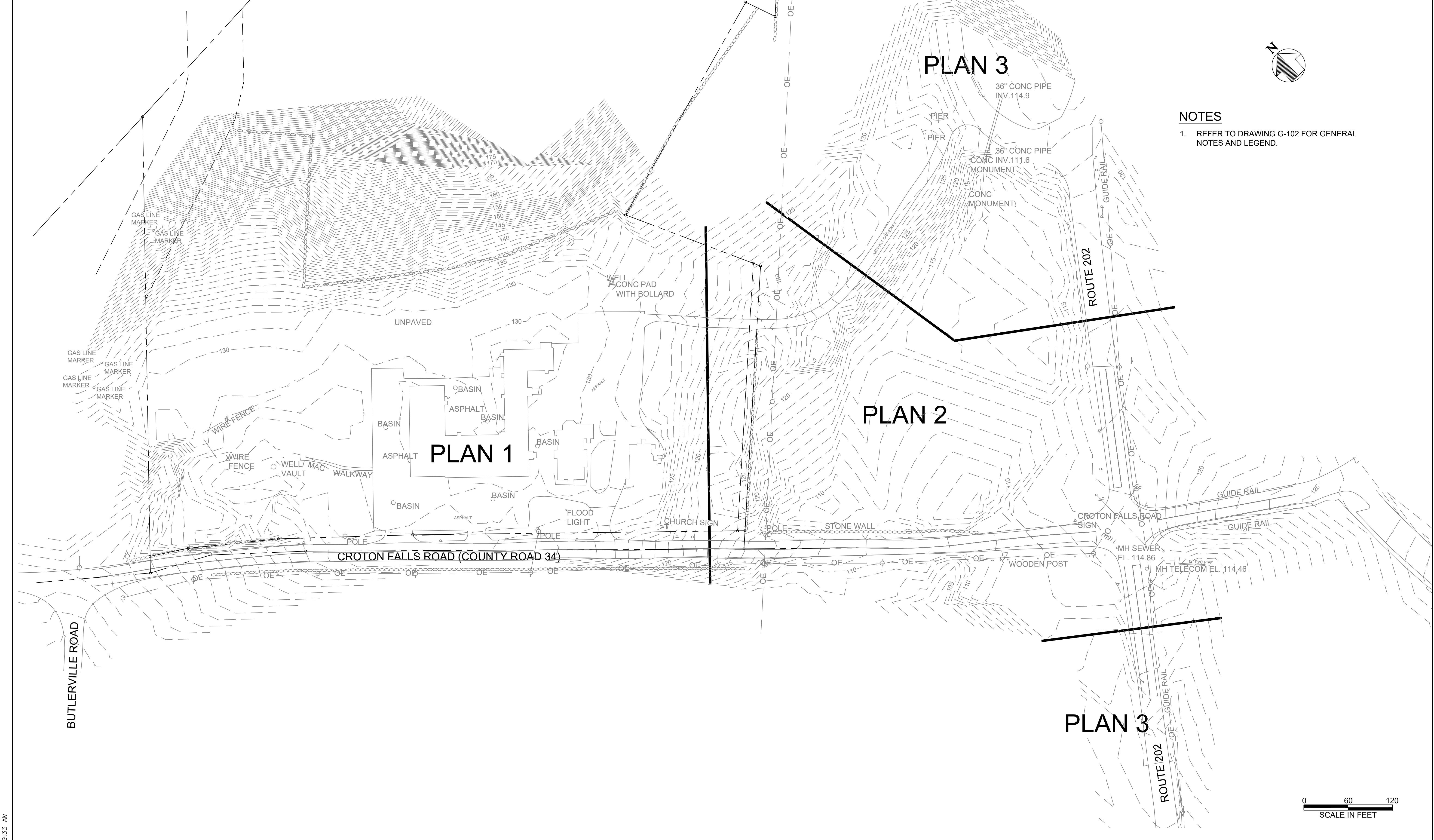
DESIGNED L.M.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
DRAWN D.C.Y.		
CHECKED E.B.		
APPROVED E.B.		

			CONFORMED			
NO.	DATE			DRWN	CHKD	APPVD
REVISIONS						



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT		CONTRACT NO. 142486	
SCALE N.T.S.	DATE 05-18-2021		
DRAWING NO. G-102		SHEET 3 OF 105	





NOTES

- 1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND.



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DRAWN D.C.Y.												SCALE 1"=60'	DATE 05-18-2021
CHECKED E.B.												DRAWING NO. G-110	
APPROVED E.B.												SHEET 4 OF 105	

NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

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- GAS LINE  
MARKER
- TAX LOT 6.12-2-1  
N/F NYS ELECTRIC AND  
GAS  
LIBER 6820 PAGE 793
- GAS LINE  
MARKER
- GAS LINE  
MARKER

WELL  
CONC PAD  
WITH BOLLARD

○ BASIN

BASIN

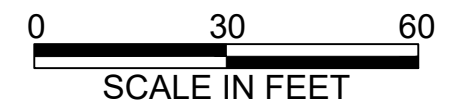
BASIN

○ FLOOD LIGHT

CHURCH SIGN

CROTON FALLS ROAD

TAX LOT 6.12-25-13  
N/F CITY OF NEW YORK PARCEL  
No. 580  
AS SHOWN ON FILED MAP No.  
2330



		CONFORMED			
NO.	DATE		DRWN	CHKD	APPVD



<p><i>TITLE</i></p> <p>UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT</p>
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EXISTING CONDITION PLAN  
1 OF 3

6	<p><i>CONTRACT NO.</i></p> <p>142486</p>
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SCALE 1"=30'	DATE 05-18-2021
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DRAWING NO.  
C-001  
SHEET 5 OF 105

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<i>DESIGNED</i> L.M.
<i>DRAWN</i> D.C.Y.
<i>CHECKED</i> E.B.
<i>APPROVED</i> E.B.



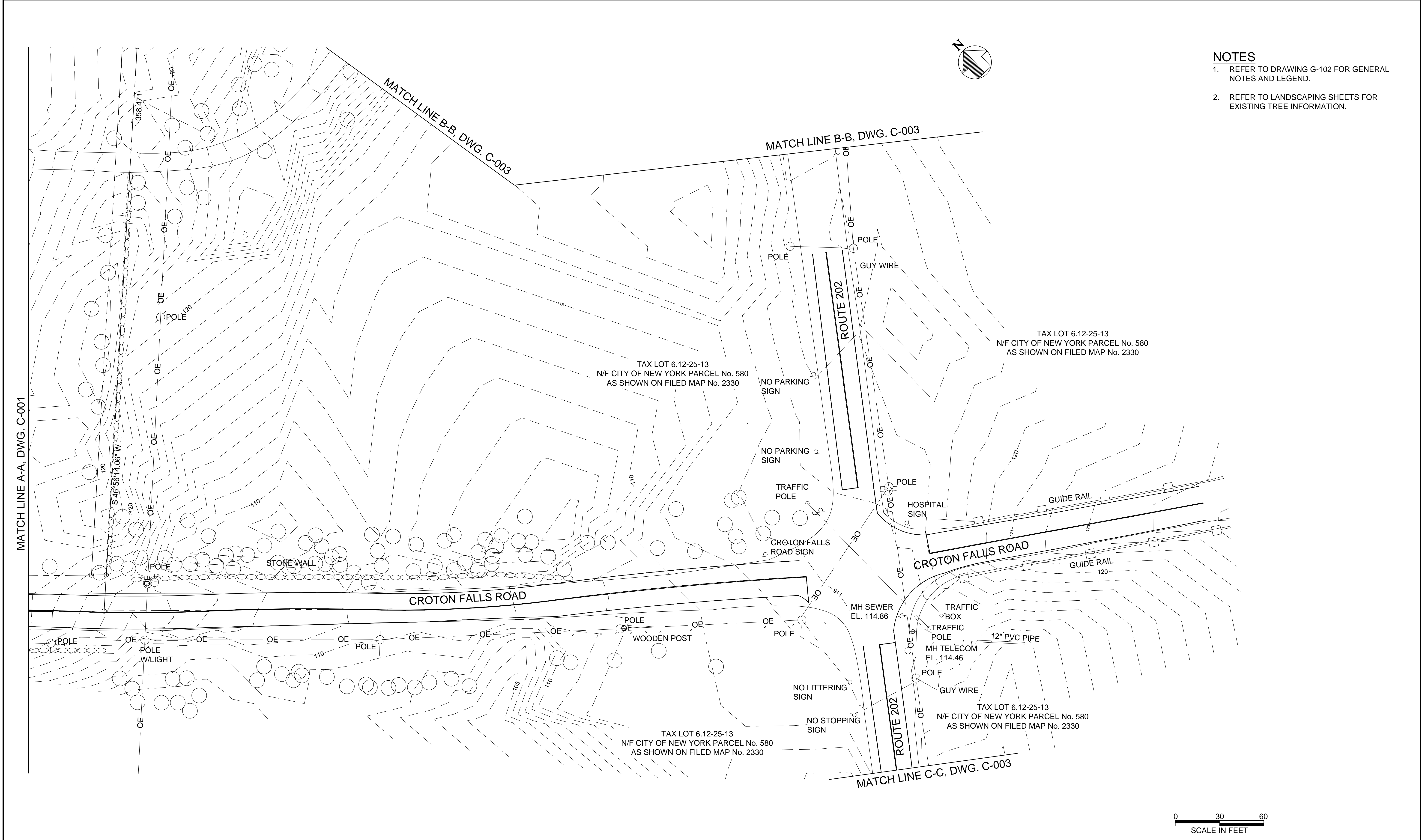
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MATCH LINE A-A, DWG. C-002



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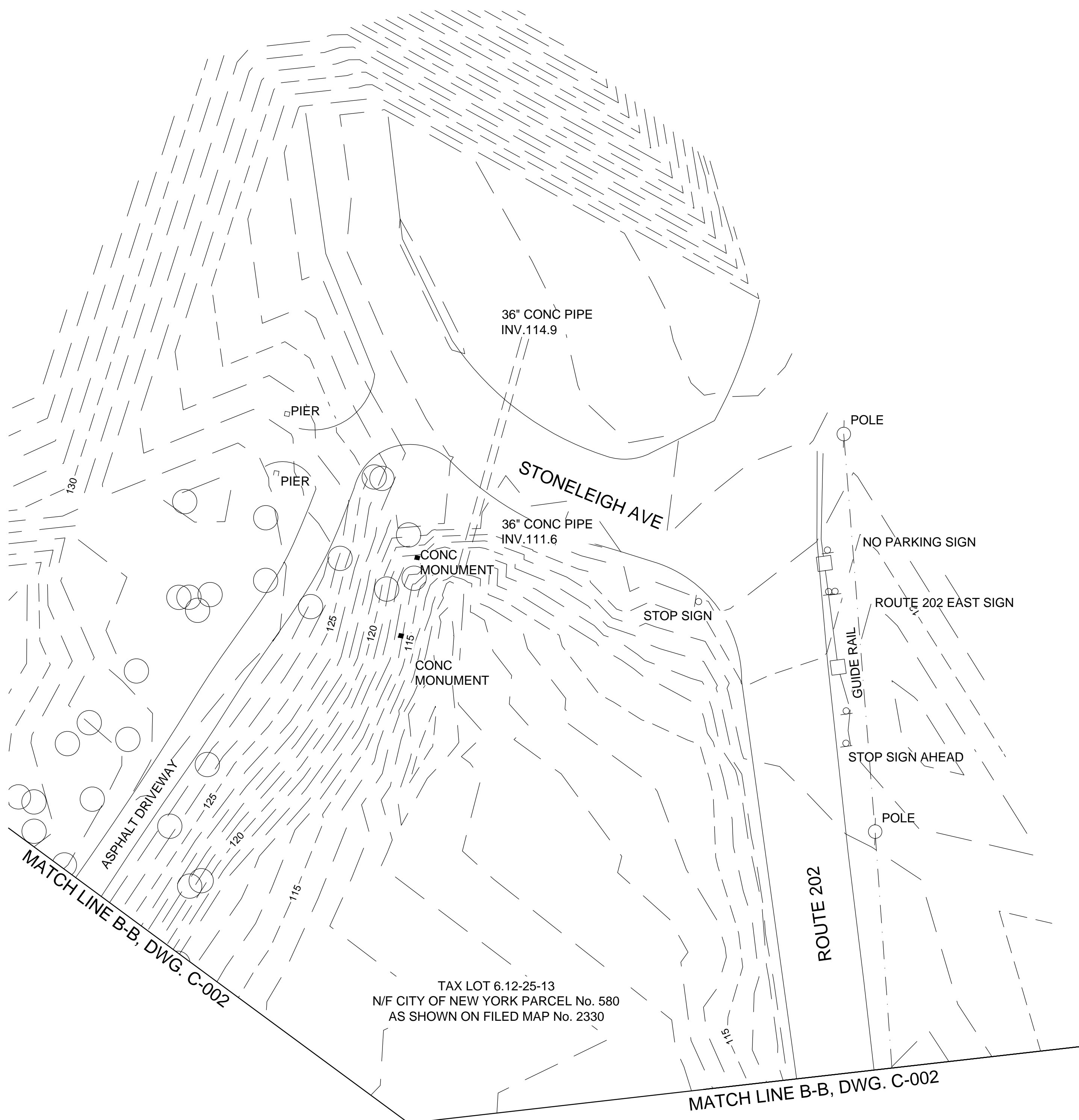


- NOTES**
1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND.
  2. REFER TO LANDSCAPING SHEETS FOR EXISTING TREE INFORMATION.

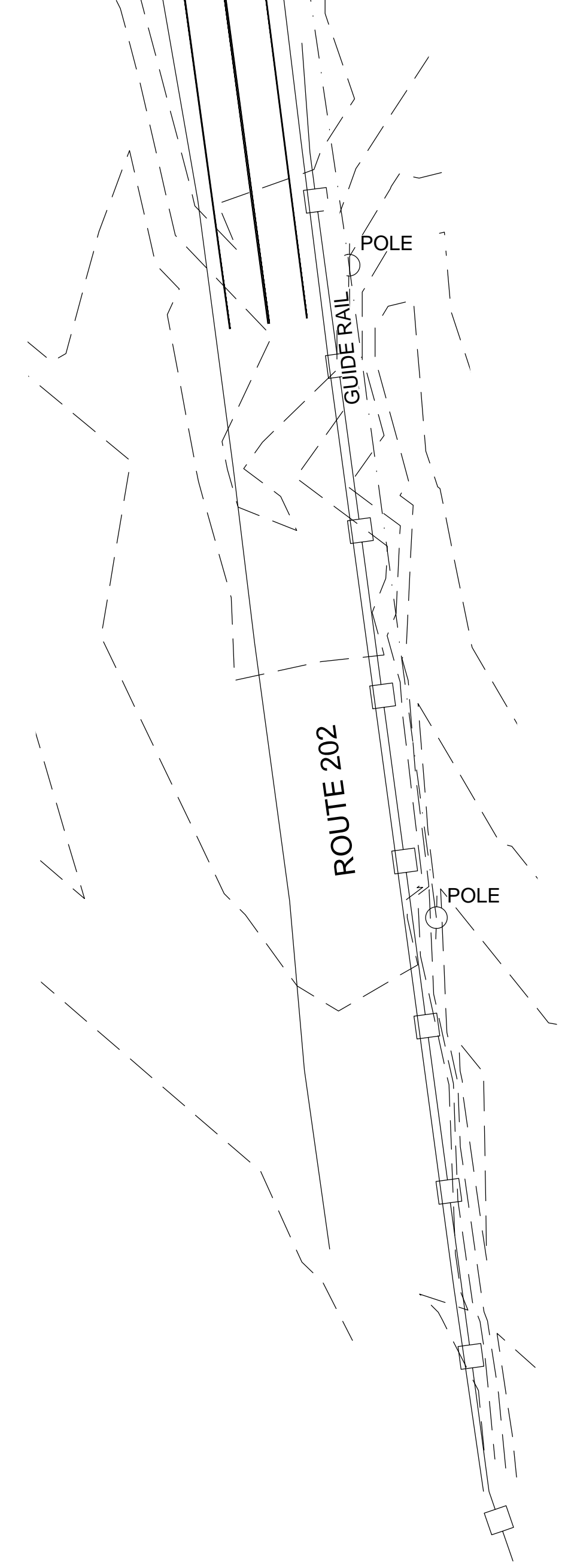
DESIGNED L.M.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<table><tr><td colspan="5">CONFORMED</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>NO.</td><td>DATE</td><td>DRWN</td><td>CHKD</td><td>APPVD</td></tr><tr><td colspan="5">REVISIONS</td></tr></table>					CONFORMED																				NO.	DATE	DRWN	CHKD	APPVD	REVISIONS							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  EXISTING CONDITION PLAN 2 OF 3	CONTRACT NO. 142486	
CONFORMED																																										
NO.	DATE	DRWN	CHKD	APPVD																																						
REVISIONS																																										
DRAWN D.C.Y.	SCALE 1"=30'		DATE 08-21-2020																																							
CHECKED E.B.	DRAWING NO. C-002																																									
APPROVED E.B.	SHEET 6 OF 105																																									



8/19/2020 11:53:29 AM  
YangD



MATCH LINE C-C, DWG. C-002



- NOTES**
1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND.
  2. REFER TO LANDSCAPING SHEETS FOR EXISTING TREE INFORMATION.



DESIGNED L.M.		<p>IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.</p>
DRAWN D.C.Y.		
CHECKED E.B.		
APPROVED E.B.		

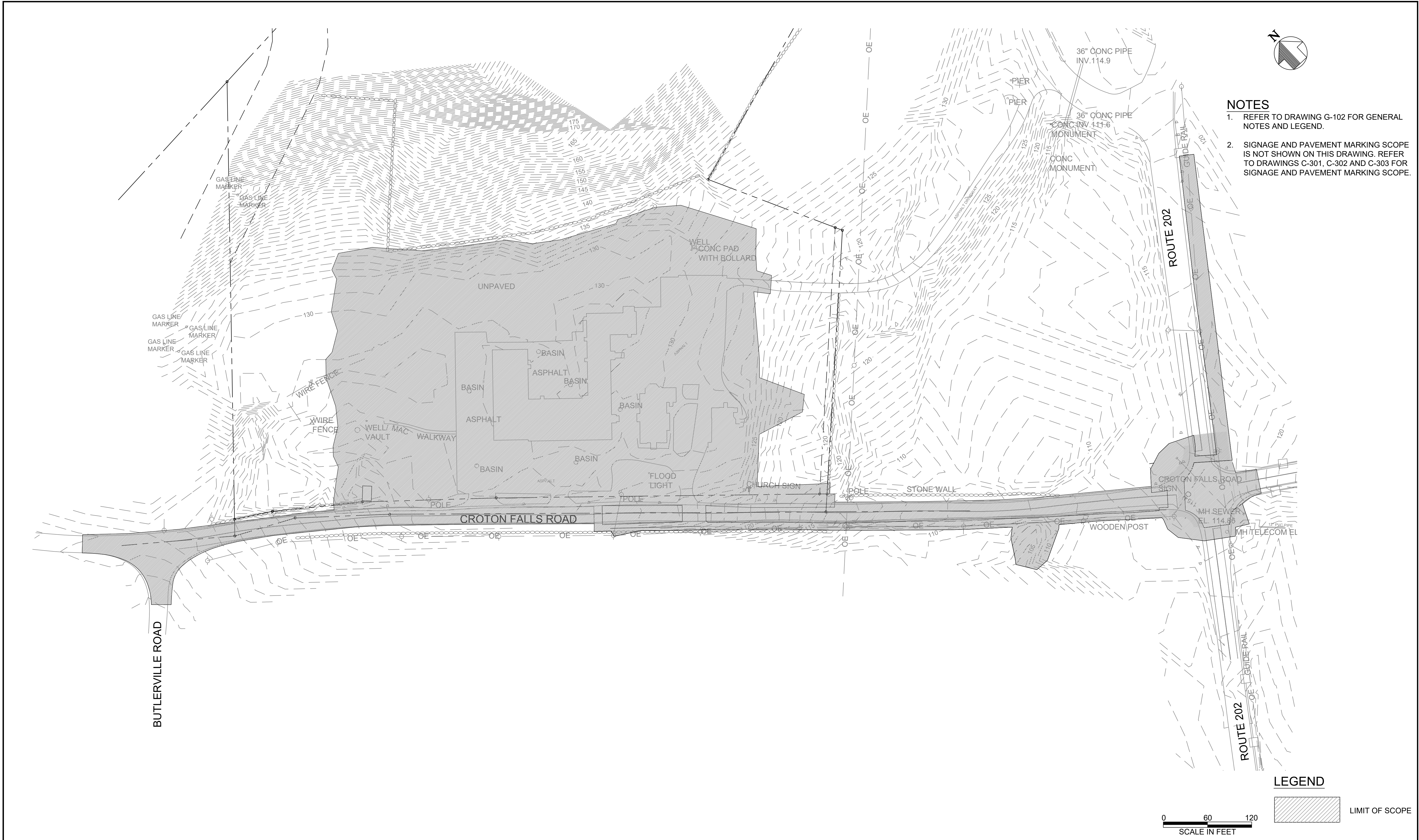
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NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT		CONTRACT NO. 142486	
		SCALE 1"=30'	DATE 08-21-2020
EXISTING CONDITION PLAN 3 OF 3		DRAWING NO. C-003	
		SHEET 7 OF 105	

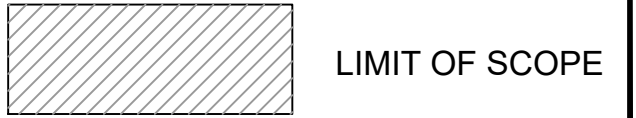


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Yeungh



- NOTES**
1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND.
  2. SIGNAGE AND PAVEMENT MARKING SCOPE IS NOT SHOWN ON THIS DRAWING. REFER TO DRAWINGS C-301, C-302 AND C-303 FOR SIGNAGE AND PAVEMENT MARKING SCOPE.

**LEGEND**



DESIGNED L.M.	
DRAWN D.C.Y.	
CHECKED E.B.	
APPROVED E.B.	

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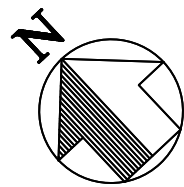
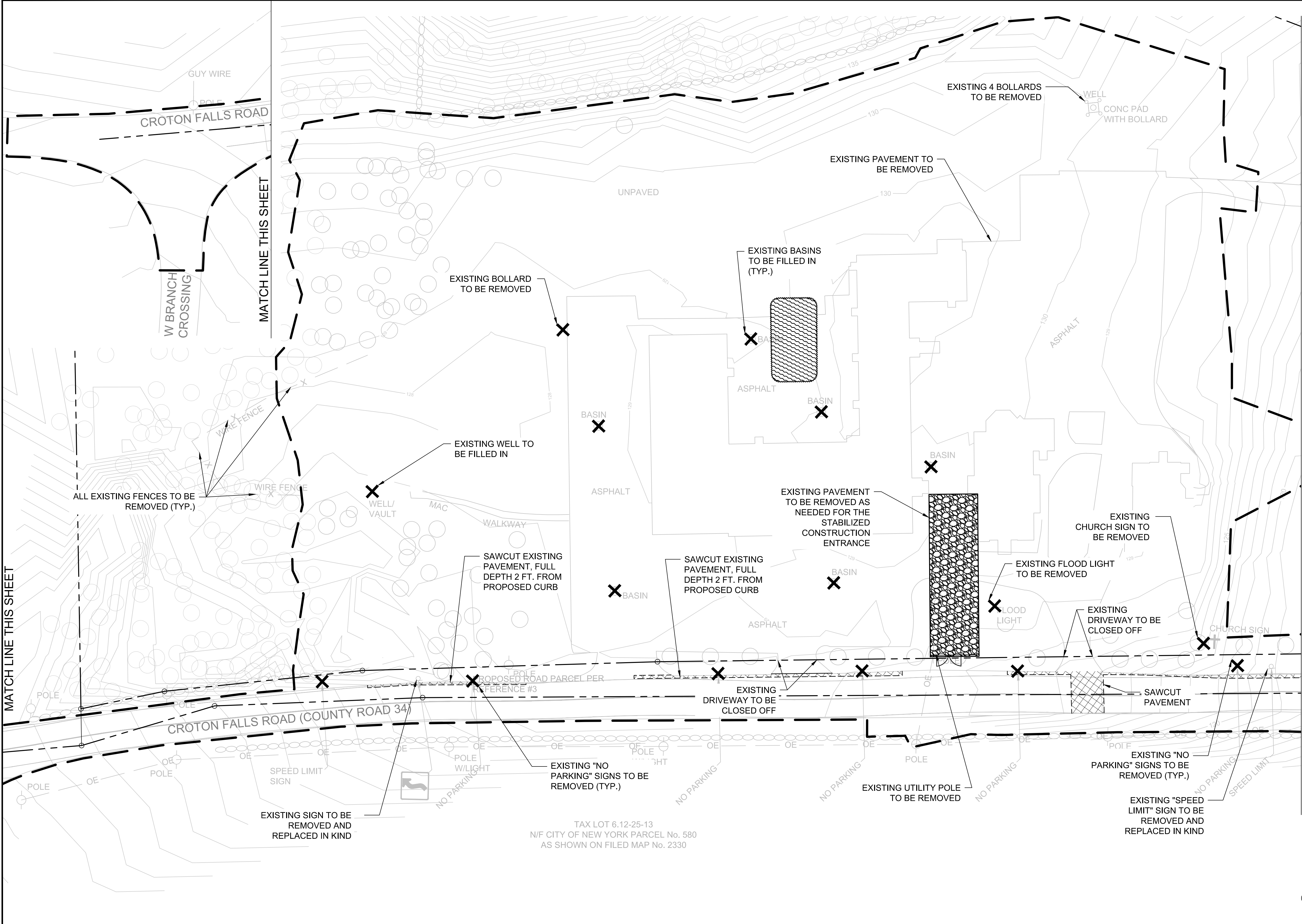
CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

**AECOM**



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT		CONTRACT NO. 142486	
LIMIT OF SCOPE PLAN		SCALE 1"=60'	DATE 05-18-2021
		DRAWING NO. C-004	
		SHEET 8 OF 105	





NOTES

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND

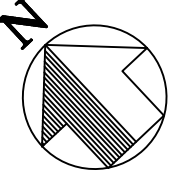
LEGEND

- LIMIT OF DISTURBANCE
- - - SAWCUT EXISTING PAVEMENT
- ▨ EXISTING ASPHALT PAVEMENT TO BE REMOVED AND REPLACED IN KIND
- ✕ EXISTING SIGN OR OBJECT TO BE REMOVED




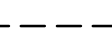




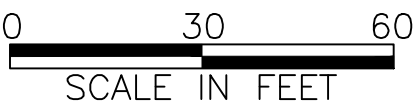
<div>DESIGNED S. FUNG</div> <div>DRAWN S. FUNG</div> <div>CHECKED D. RYAN</div> <div>APPROVED A. OSMAN</div>			IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<table><tr><td colspan="5">CONFORMED</td></tr><tr><td colspan="5"></td></tr><tr><td colspan="5"></td></tr><tr><td colspan="5"></td></tr><tr><td colspan="5"></td></tr><tr><td>NO.</td><td>DATE</td><td>DRWN</td><td>CHKD</td><td>APPVD</td></tr><tr><td colspan="5">REVISIONS</td></tr></table>	CONFORMED																									NO.	DATE	DRWN	CHKD	APPVD	REVISIONS					<div> MATRIXNEWORLD Engineering Progress</div> <div> Metro-North Railroad</div>	<div>TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  DEMOLITION PLAN 1 OF 3</div>	<table><tr><td colspan="2">CONTRACT No. 142486</td></tr><tr><td>SCALE 1" = 30'</td><td>DATE 05-18-2021</td></tr><tr><td colspan="2">DRAWING NO. C-101</td></tr><tr><td colspan="2">SHEET 9 OF 105</td></tr></table>	CONTRACT No. 142486		SCALE 1" = 30'	DATE 05-18-2021	DRAWING NO. C-101		SHEET 9 OF 105	
CONFORMED																																																		
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DRAWING NO. C-101																																																		
SHEET 9 OF 105																																																		









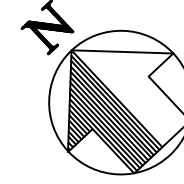
1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND

- |   |   |  |
|---|---|--|
|  |  | LIMIT OF DISTURBANCE   |
|  |   | SAWCUT EXISTING PAVEMENT                                     |
|  |   | EXISTING ASPHALT PAVEMENT TO BE REMOVED AND REPLACED IN KIND |
|  |   | EXISTING VEGETATION TO BE REMOVED                            |
|  |   | EXISTING SIGN OR OBJECT TO BE REMOVED                        |



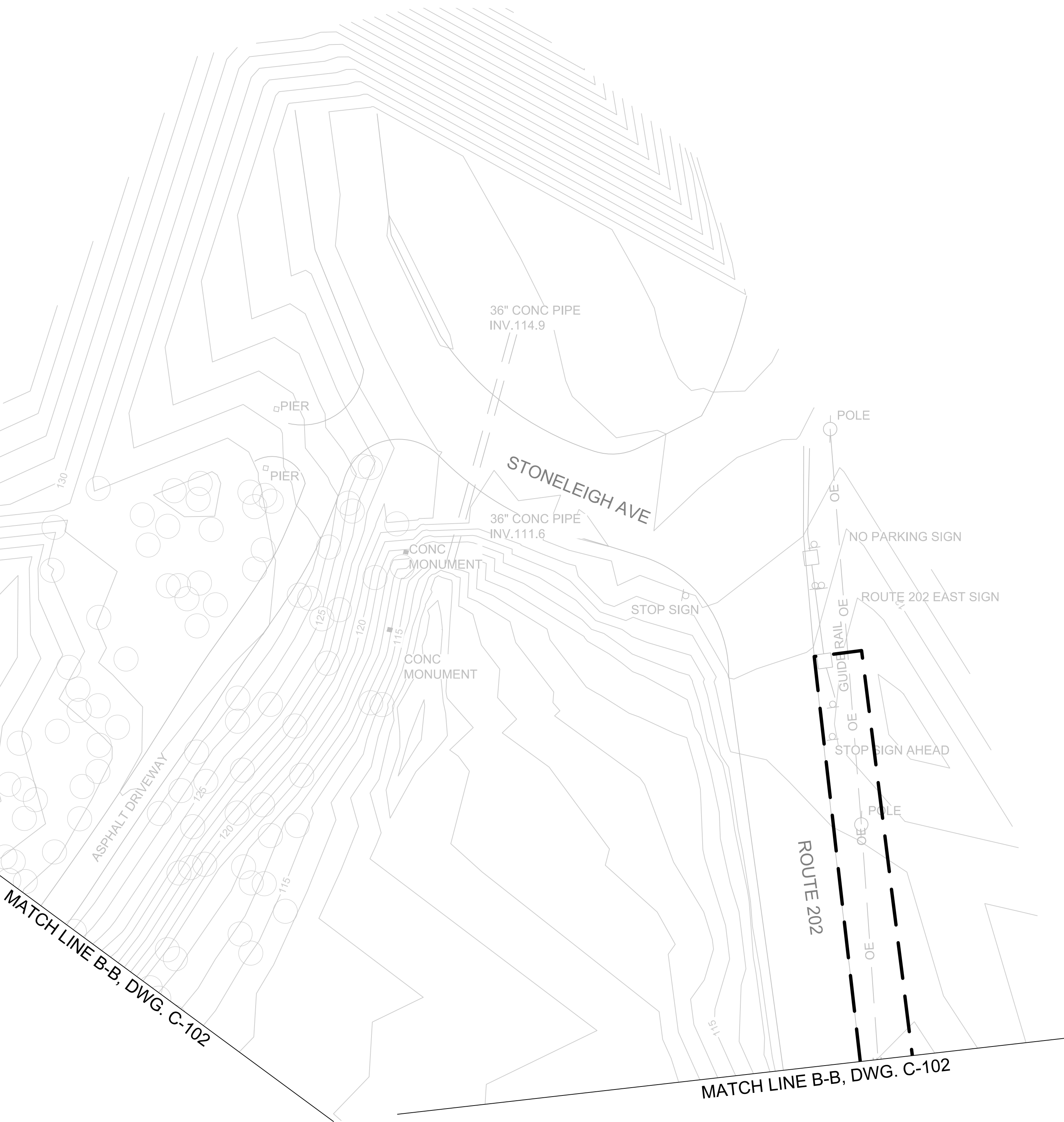
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DRAWN S. FUNG			SCALE 1" = 30'	DATE 05-18-2021						
CHECKED D. RYAN			DRAWING NO. C-102							
APPROVED A. OSMAN			SHEET 10 OF 105							
REVISIONS										



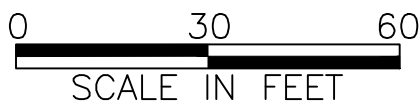
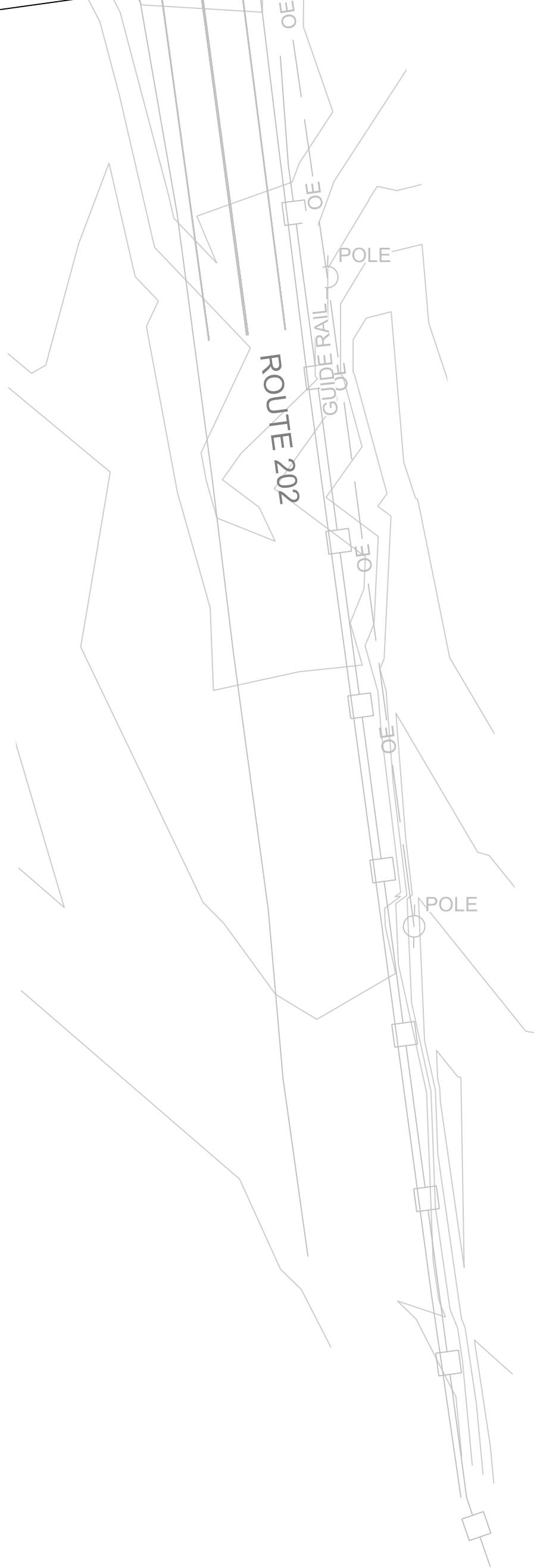


NOTES

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND



MATCH LINE C-C, DWG. C-102



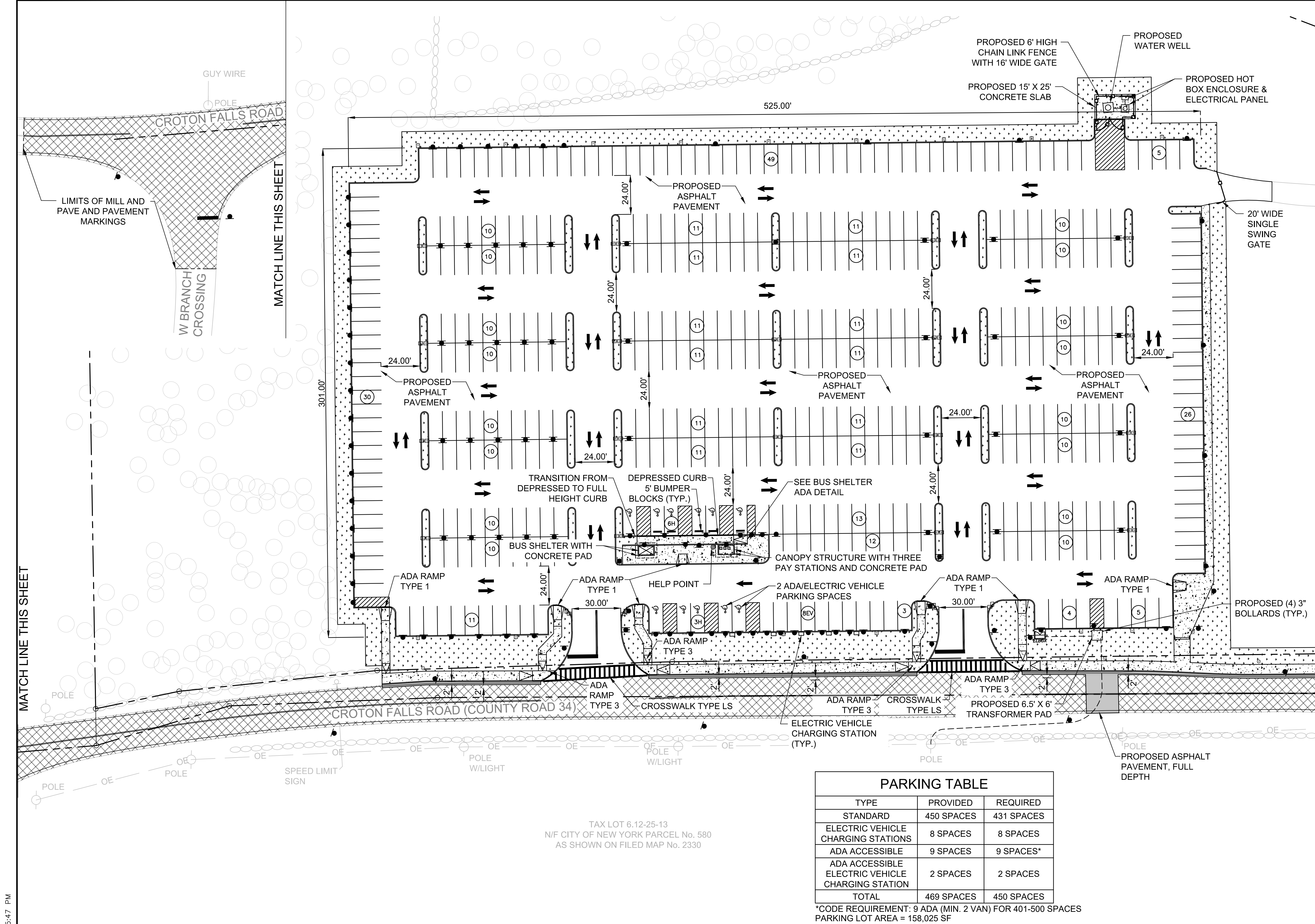
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DRAWN S. FUNG		
CHECKED D. RYAN		
APPROVED A. OSMAN		

CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT		CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021		
DRAWING NO. C-103			
SHEET 11 OF 105			





NOTES

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
2. REFER TO DRAWING E-201 FOR ELECTRICAL PLAN
3. REFER TO DRAWING E-301 FOR LIGHTING PLAN
4. REFER TO DRAWING C-301 FOR SIGNAGE AND PAVEMENT MARKING PLAN
5. REFER TO DRAWING LR-100 FOR LANDSCAPE RESTORATION PLAN
6. REFER TO DRAWING CM-100 FOR HELP POINT DETAILS.
7. REFER TO DRAWINGS S-100 AND S-101 FOR STRUCTURAL DETAILS

LEGEND

- CONCRETE SIDEWALK
- LANDSCAPED AREA
- ASPHALT PAVEMENT, FULL DEPTH
- MILL AND PAVE
- NO PARKING ZONE

PARKING TABLE		
TYPE	PROVIDED	REQUIRED
STANDARD	450 SPACES	431 SPACES
ELECTRIC VEHICLE CHARGING STATIONS	8 SPACES	8 SPACES
ADA ACCESSIBLE	9 SPACES	9 SPACES*
ADA ACCESSIBLE ELECTRIC VEHICLE CHARGING STATION	2 SPACES	2 SPACES
TOTAL	469 SPACES	450 SPACES

\*CODE REQUIREMENT: 9 ADA (MIN. 2 VAN) FOR 401-500 SPACES  
PARKING LOT AREA = 158,025 SF

0 30 60  
SCALE IN FEET

TAX LOT 6.12-25-13  
N/F CITY OF NEW YORK PARCEL No. 580  
AS SHOWN ON FILED MAP No. 2330

CONFORMED				
NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

**AECOM**  
MATRIXNEWORLD  
Engineering Progress



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
SITE LAYOUT PLAN  
1 OF 3

CONTRACT No. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-201	
SHEET 12 OF 105	

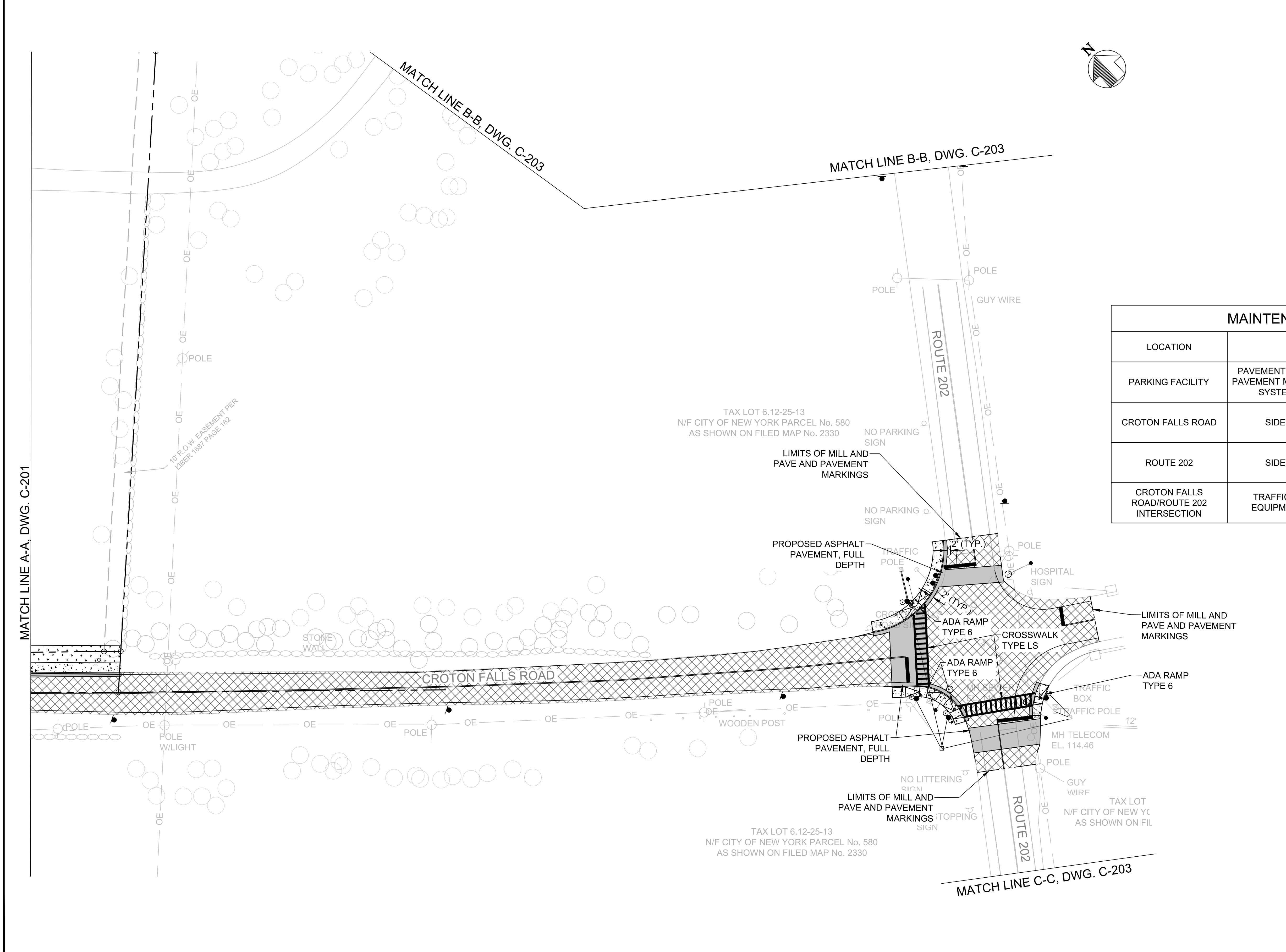
DESIGNED  
S. FUNG  
DRAWN  
S. FUNG  
CHECKED  
D. RYAN  
APPROVED  
A. OSMAN



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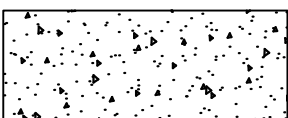

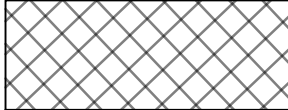


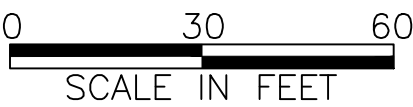
NOTES

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
2. REFER TO DRAWING E-302 FOR LIGHTING PLAN
3. REFER TO DRAWING C-302 FOR SIGNAGE AND PAVEMENT MARKING PLAN
4. REFER TO DRAWINGS T-101 & T-102 FOR TRAFFIC SIGNAL PLAN
5. REFER TO DRAWING LR-101 FOR LANDSCAPE RESTORATION PLAN

MAINTENANCE JURISDICTION TABLE			
LOCATION	FEATURES	JURISDICTIONAL AGENCY	MAINTAINING AGENCY
PARKING FACILITY	PAVEMENT, SIDEWALK AND CURB RAMPS, PAVEMENT MARKINGS, SIGNAGE, DRAINAGE SYSTEM, LIGHTING, LANDSCAPE	METRO-NORTH RAILROAD	METRO-NORTH RAILROAD
CROTON FALLS ROAD	SIDEWALK AND CURB RAMPS	TOWN OF SOMERS	METRO-NORTH RAILROAD
ROUTE 202	SIDEWALK AND CURB RAMPS	NYSDOT	METRO-NORTH RAILROAD
CROTON FALLS ROAD/ROUTE 202 INTERSECTION	TRAFFIC AND PEDESTRIAN SIGNAL EQUIPMENT, PAVEMENT MARKINGS	NYSDOT	NYSDOT

LEGEND

-  CONCRETE SIDEWALK
-  ASPHALT PAVEMENT, FULL DEPTH
-  MILL AND PAVE



DESIGNED  
S. FUNG

DRAWN  
S. FUNG

CHECKED  
D. RYAN

APPROVED  
A. OSMAN



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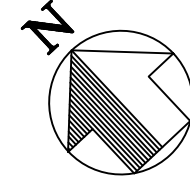
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NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
SITE LAYOUT PLAN  
2 OF 3

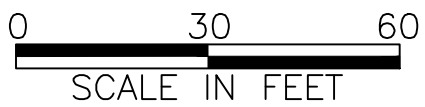
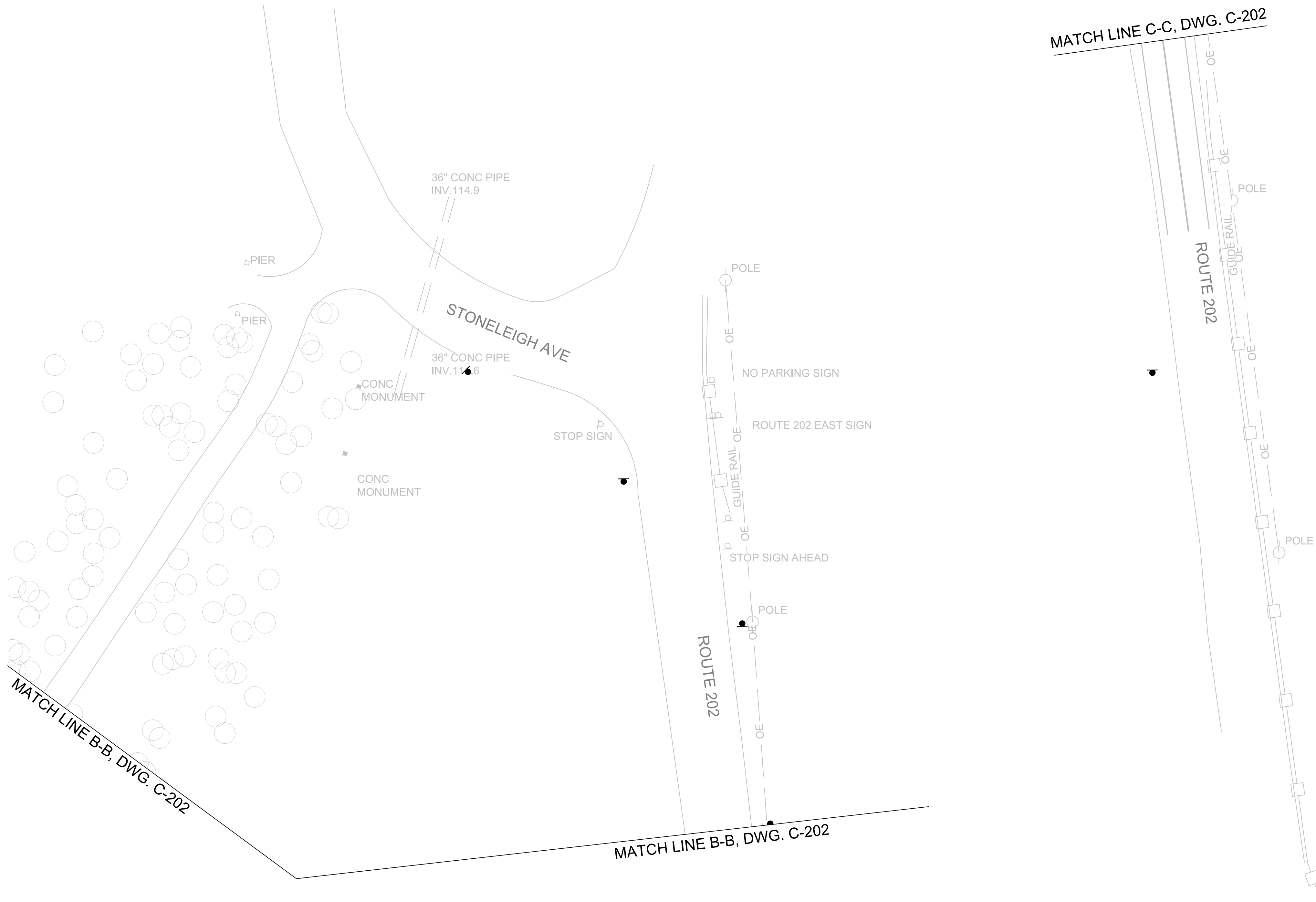
CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-202	
SHEET 13 OF 105	





NOTES

- 1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
- 2. REFER TO DRAWING C-303 FOR SIGNAGE AND PAVEMENT MARKING PLAN
- 3. REFER TO DRAWING LR-102 FOR LANDSCAPE RESTORATION PLAN



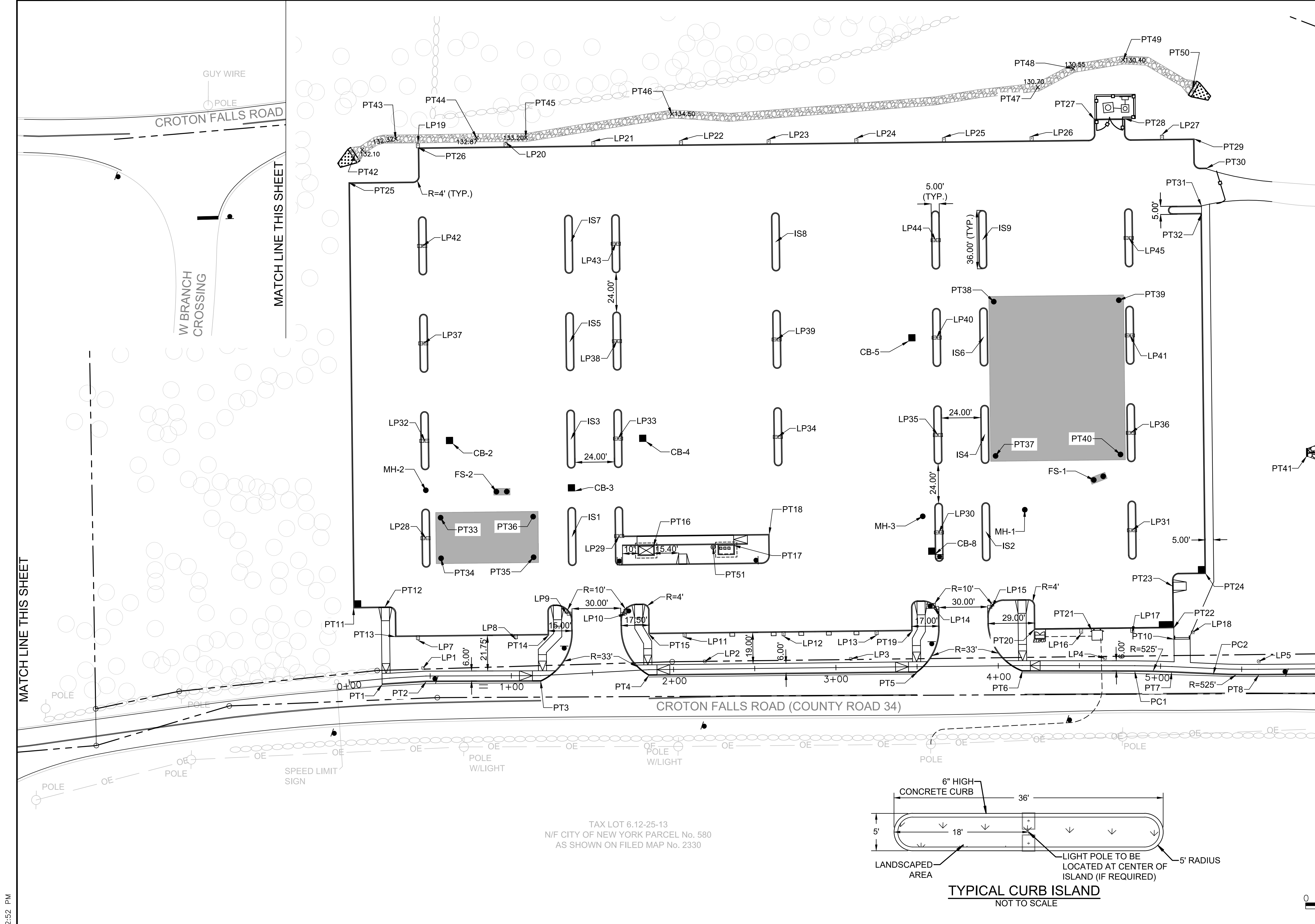
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DRAWN S. FUNG		
CHECKED D. RYAN		
APPROVED A. OSMAN		

CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  SITE LAYOUT PLAN 3 OF 3		CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021	DRAWING NO. C-203	
		SHEET 14 OF 105	



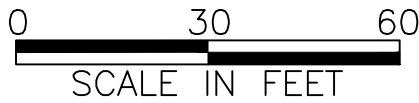
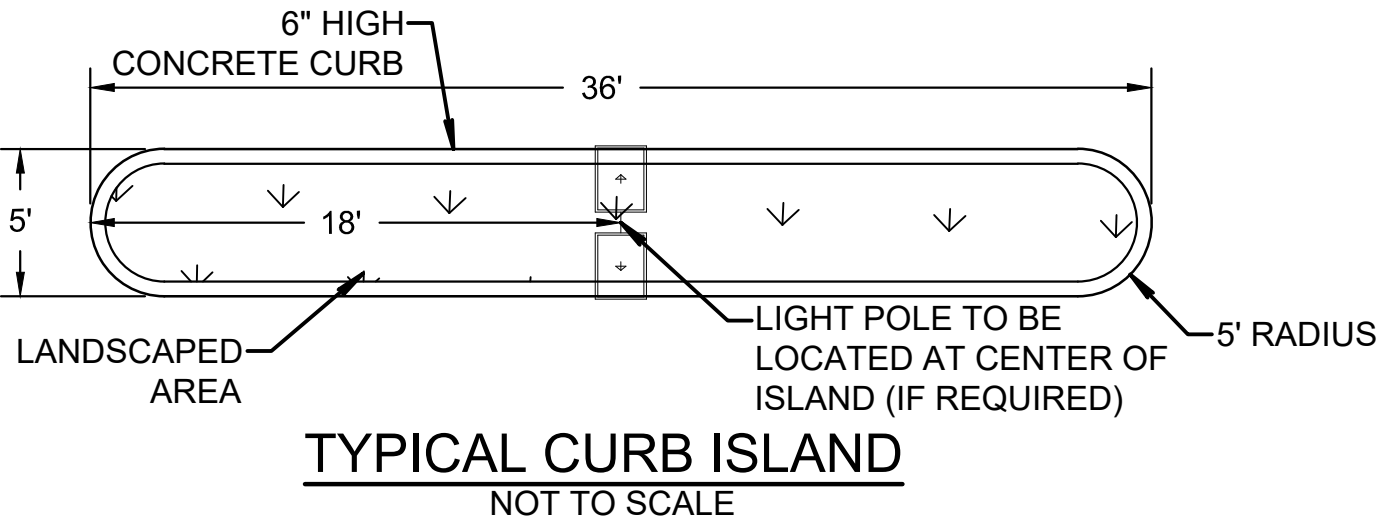


- NOTES**
1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
  2. REFER TO DRAWING E-201 FOR ELECTRICAL PLAN
  3. REFER TO DRAWING E-301 FOR LIGHTING PLAN
  4. REFER TO DRAWING C-201 FOR SITE LAYOUT PLAN
  5. REFER TO DRAWING C-220 FOR GRADING, DRAINAGE AND UTILITY PLAN
  6. REFER TO DRAWING C-301 FOR SIGNAGE AND PAVEMENT MARKING PLAN
  7. REFER TO DRAWING LR-100 FOR LANDSCAPE RESTORATION PLAN

**LEGEND**

UNDERGROUND FILTRATION SYSTEM/ INFILTRATION BASIN

D<sub>50</sub> = 4" STONE



DESIGNED  
S. FUNG

DRAWN  
S. FUNG

CHECKED  
D. RYAN

APPROVED  
A. OSMAN

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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

**AECOM**

MATRIXNEWORLD

Engineering Progress

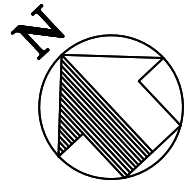
**Metro-North Railroad**

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
CONSTRUCTION PLAN  
1 OF 4

CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-210	
SHEET 15 OF 105	

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PROPOSED CROTON FALLS RD CURB				
LABEL	STATION	OFFSET	NORTHING	EASTING
PT1	0+20.00	3.50 R	918883.25	720433.11
PT2	0+47.31	3.50 R	918865.82	720453.96
PT3	1+18.16	3.50 R	918817.33	720505.27
PT4	1+84.61	3.50 R	918774.05	720556.02
PT5	3+49.91	3.50 R	918661.56	720676.91
PT6	4+14.74	3.50 R	918617.34	720724.34
PC1	4+84.09	3.50 R	918569.49	720774.46
PT7	5+06.97	3.50 R	918553.44	720790.56
PC2	5+32.65	3.50 R	918534.92	720808.35
PT8	5+60.48	3.50 R	918515.24	720828.29

PROPOSED PARKING LOT CURB				
LABEL	STATION	OFFSET	NORTHING	EASTING
PT10	5+07.47	16.87 L	918567.19	720805.59
PT11	0+07.09	45.11 L	918929.48	720452.92
PT12	0+23.09	44.04 L	918916.70	720467.40
PT13	0+29.97	25.24 L	918898.95	720459.33
PT14	1+24.41	24.73 L	918834.59	720528.53
PT15	1+84.90	22.07 L	918792.68	720573.53
PT19	3+47.36	22.07 L	918682.01	720692.46
PT20	4+22.11	22.23 L	918630.90	720747.40
PT21	4+57.62	21.69 L	918605.99	720772.71
PT22	5+07.07	23.86 L	918572.32	720810.36
PT23	5+05.29	49.49 L	918591.47	720827.50
PT24	5+25.18	58.12 L	918582.99	720847.61
PT25	0+03.24	307.23 L	919121.30	720631.39
PT26	0+45.95	325.68 L	919107.41	720677.14
PT27	4+58.57	336.62 L	918833.12	720990.87
PT28	4+77.57	336.87 L	918820.18	721004.78
PT29	5+06.47	325.28 L	918781.78	721027.11
PT30	5+14.45	307.46 L	918763.46	721020.00
PT31	5+12.47	284.26 L	918748.82	721001.90
PT32	5+12.75	279.27 L	918745.16	720998.50

PROPOSED BUS STATION				
LABEL	STATION	OFFSET	NORTHING	EASTING
PT16	1+88.56	76.07 L	918829.71	720613.00
PT17	2+37.88	76.06 L	918796.12	720649.09
PT18	2+59.89	82.57 L	918785.88	720669.65
PT51	2+25.21	75.07 L	918804.02	720639.15

PROPOSED EXTERIOR LIGHT POLES				
LABEL	STATION	OFFSET	NORTHING	EASTING
LP1	0+45.87	4.96 L	918873.20	720458.33
LP2	2+19.25	4.73 L	918756.59	720586.87
LP3	3+09.25	5.25 L	918695.66	720653.11
LP4	4+65.63	4.53 L	918588.04	720766.66
LP5	5+60.52	4.81 L	918521.28	720833.99
LP7	0+43.73	22.29 L	918887.80	720467.92
LP8	1+02.88	22.44 L	918846.63	720512.03
LP9	1+36.02	37.22 L	918836.56	720545.46
LP10	1+72.38	35.17 L	918811.40	720571.80
LP11	2+07.07	19.65 L	918775.80	720588.11
LP12	2+67.99	19.65 L	918734.30	720632.71
LP13	3+25.34	19.65 L	918695.24	720674.70
LP14	3+60.77	36.03 L	918683.06	720711.82
LP15	3+96.75	36.38 L	918658.79	720738.37
LP16	4+51.08	19.68 L	918609.05	720766.59
LP17	4+82.55	20.09 L	918587.61	720789.64
LP18	5+18.86	21.67 L	918562.31	720816.95
LP19	0+47.41	328.24 L	919109.56	720679.00
LP20	0+97.63	328.64 L	919072.78	720718.53
LP21	1+68.35	326.92 L	919036.00	720758.06
LP22	2+08.25	325.91 L	918999.21	720797.60
LP23	2+62.25	325.91 L	918962.43	720837.13
LP24	3+16.25	325.91 L	918925.65	720876.67
LP25	3+69.91	325.93 L	918888.86	720916.20
LP26	4+20.07	326.07 L	918852.08	720955.74
LP27	4+94.14	327.26 L	918797.38	721014.53

PROPOSED LIGHT POLES/ISLANDS				
LABEL	STATION	OFFSET	NORTHING	EASTING
LP28	0+47.68	84.91 L	918929.95	720514.81
IS1	1+42.01	84.49 L	918868.64	720580.70
LP29	1+71.01	83.24 L	918848.87	720601.95
LP30	3+64.31	82.58 L	918714.70	720746.15
IS2	3+93.30	82.61 L	918694.95	720767.38
LP31	4+82.32	83.51 L	918633.64	720833.27
LP32	0+47.41	144.90 L	918973.87	720555.68
IS3	1+44.60	144.44 L	918912.57	720621.57
LP33	1+73.57	143.18 L	918892.82	720642.80
LP34	2+65.90	142.57 L	918825.72	720714.91
LP35	3+64.24	142.58 L	918758.63	720787.02
IS4	3+93.24	142.61 L	918738.87	720808.25
LP36	4+81.55	143.50 L	918677.57	720874.14
LP37	0+47.50	205.08 L	919017.80	720596.55
IS5	1+47.19	204.38 L	918956.50	720662.44
LP38	1+76.16	203.13 L	918936.74	720683.67
LP39	2+65.90	202.57 L	918869.65	720755.78
LP40	3+64.18	202.58 L	918802.55	720827.89
IS6	3+93.17	202.61 L	918782.80	720849.12
LP41	4+80.78	203.50 L	918721.50	720915.01
LP42	0+48.20	264.90 L	919061.73	720637.42
IS7	1+49.78	264.33 L	919000.42	720703.31
LP43	1+78.75	263.07 L	918980.67	720724.54
IS8	2+65.90	262.57 L	918913.57	720796.65
LP44	3+64.11	262.58 L	918846.48	720868.76
IS9	3+93.11	262.61 L	918826.73	720889.99
LP45	4+80.01	263.49 L	918765.42	720955.88

PROPOSED WEST DRAINAGE SYSTEM				
LABEL	STATION	OFFSET	NORTHING	EASTING
CB-2	0+64.47	143.04 L	918960.66	720566.95
M-2	0+47.72	114.42 L	918951.37	720535.11
FS-2	0+91.19	113.37 L	918920.75	720565.99
PT33	0+56.76	97.47 L	918932.84	720530.04
PT34	0+56.95	72.47 L	918914.54	720513.01
PT35	1+13.95	72.91 L	918875.71	720554.74
PT36	1+13.76	97.91 L	918894.01	720571.77

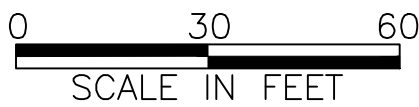
PROPOSED EAST DRAINAGE SYSTEM				
LABEL	STATION	OFFSET	NORTHING	EASTING
CB-3	1+45.21	112.39 L	918887.79	720601.24
CB-4	1+84.82	140.58 L	918879.60	720654.07
CB-5	3+47.00	200.57 L	918812.84	720813.90
CB-8	3+61.82	69.08 L	918706.52	720735.12
M-3	3+54.44	92.54 L	918728.71	720745.73
M-1	4+16.18	95.95 L	918688.31	720794.01
FS-1	4+58.69	114.39 L	918672.30	720837.50
PT37	3+99.65	129.28 L	918724.75	720803.85
PT38	3+99.55	224.28 L	918794.30	720868.56
PT39	4+73.90	225.07 L	918741.85	720924.93
PT40	4+75.12	130.08 L	918672.30	720860.22
PT41	5+90.96	130.78 L	918592.44	720942.30

PROPOSED SWALE				
LABEL	STATION	OFFSET	NORTHING	EASTING
PT42	0+25.12	323.39 L	919131.30	720646.31
PT43	0+47.41	331.29 L	919120.90	720670.80
PT44	0+79.83	331.41 L	919087.02	720707.49
PT45	1+27.03	331.37 L	919066.20	720729.51
PT46	2+02.87	342.01 L	919014.67	720804.63
PT47	4+23.86	356.26 L	918871.29	720979.32
PT48	4+45.55	367.78 L	918864.64	721002.97
PT49	4+76.48	373.04 L	918847.09	721028.97
PT50	5+05.07	356.48 L	918805.11	721047.96

C-210 - CONSTRUCTION PLAN, 1 OF 4  
ALIGNMENT TABLES

NOTES

1. REFER TO DRAWING C-210 FOR CONSTRUCTION  
PLAN, 1 OF 4 FOR LOCATION OF LABELS



DESIGNED  
S. FUNG

DRAWN  
S. FUNG

CHECKED  
D. RYAN

APPROVED  
A. OSMAN

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NO.	DATE			DRWN	CHKD	APPVD
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MATRIXNEWORLD  
Engineering Progress

Metro-North Railroad

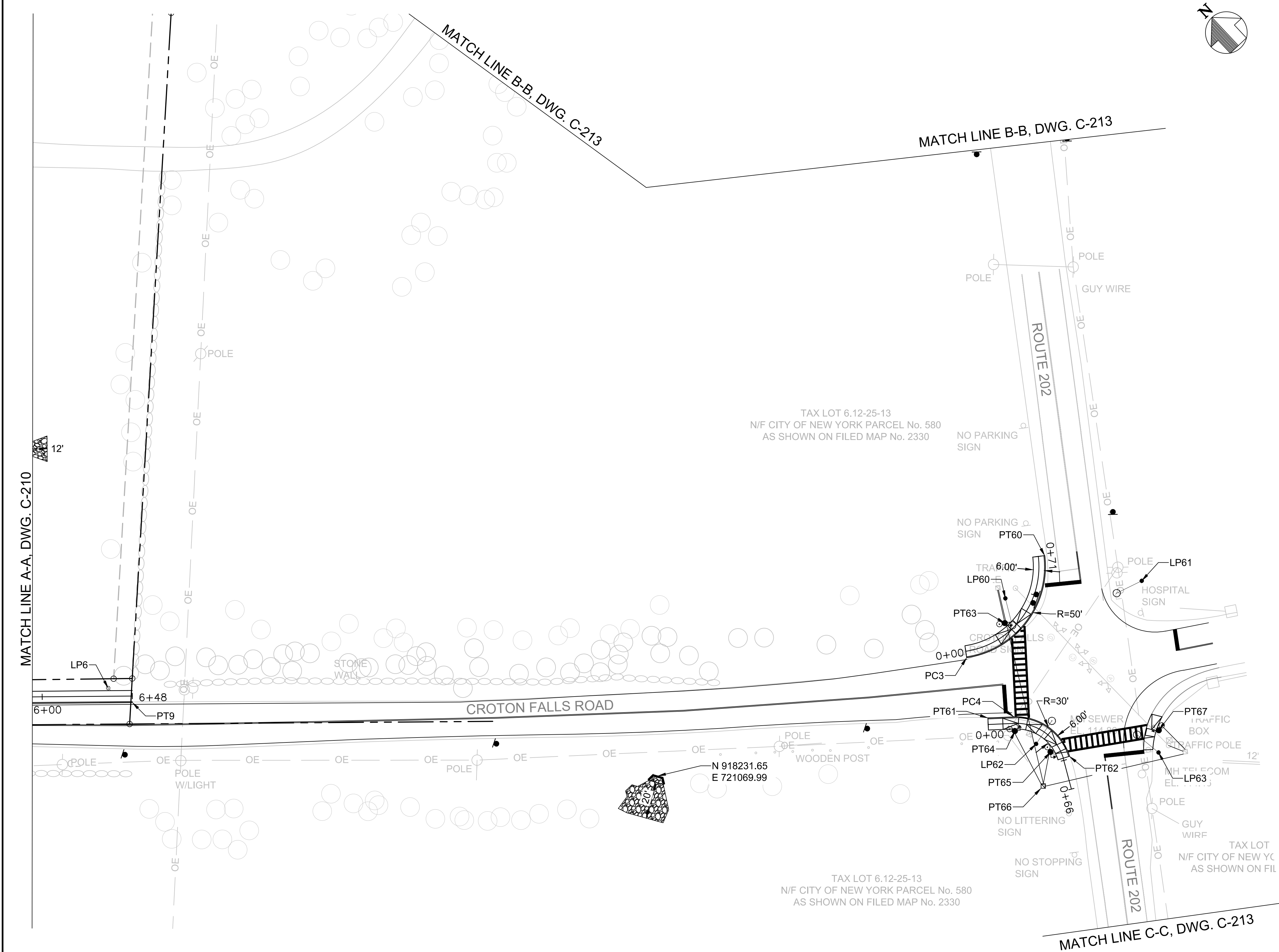
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
CONSTRUCTION PLAN  
2 OF 4

CONTRACT No.  
142486  
  
SCALE  
1" = 30'  
  
DATE  
03-03-2021  
  
DRAWING NO.  
C-211  
SHEET 16 OF 105

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#### NOTES

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
2. REFER TO DRAWING E-302 FOR LIGHTING PLAN
3. REFER TO DRAWING C-202 FOR SITE LAYOUT PLAN
4. REFER TO DRAWING C-221 FOR GRADING, DRAINAGE AND UTILITY PLAN
5. REFER TO DRAWING C-302 FOR SIGNAGE AND PAVEMENT MARKING PLAN
6. REFER TO DRAWINGS T-101 & T-102 FOR TRAFFIC SIGNAL PLAN
7. REFER TO DRAWING LR-101 FOR LANDSCAPE RESTORATION PLAN

#### PROPOSED CROTON FALLS RD CURB

LABEL	STATION	OFFSET	NORTHING	EASTING
PT9	6+48.50	3.50 R	918455.09	720892.54

#### PROPOSED NORTH SIDEWALK CURB

LABEL	STATION	OFFSET	NORTHING	EASTING
PC3	0+00.00	3.50 R	918163.20	721234.09
PT60	0+71.01	3.50 R	918174.02	721302.29

#### PROPOSED SOUTH SIDEWALK CURB

LABEL	STATION	OFFSET	NORTHING	EASTING
PT61	0+00.00	3.50 L	918131.87	721220.01
PC4	0+14.01	3.50 L	918122.62	721230.54
PT62	0+48.77	3.50 L	918086.70	721237.56

#### PROPOSED TRAFFIC EQUIPMENT

LABEL	STATION	OFFSET	NORTHING	EASTING
PT63	0+27.28	4.86 L	918162.52	721261.75
PT64	0+14.26	4.13 R	918116.75	721225.66
PT65	0+42.33	4.87 R	918095.38	721231.82
PT66	0+61.35	15.67 R	918084.80	721214.64
PT67	0+48.78	53.53 L	918063.72	721282.00

#### PROPOSED LIGHT POLES

LABEL	STATION	OFFSET	NORTHING	EASTING
LP6	6+35.52	4.36 L	918469.70	720888.44
LP60	0+40.35	13.21 L	918171.98	721271.15
LP61	0+62.06	55.63 R	918128.23	721330.75
LP62	0+31.15	7.66 R	918103.88	721229.17
LP63	0+58.88	50.33 L	918055.16	721273.66



DESIGNED  
S. FUNG  
DRAWN  
S. FUNG  
CHECKED  
D. RYAN  
APPROVED  
A. OSMAN



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REVISIONS						

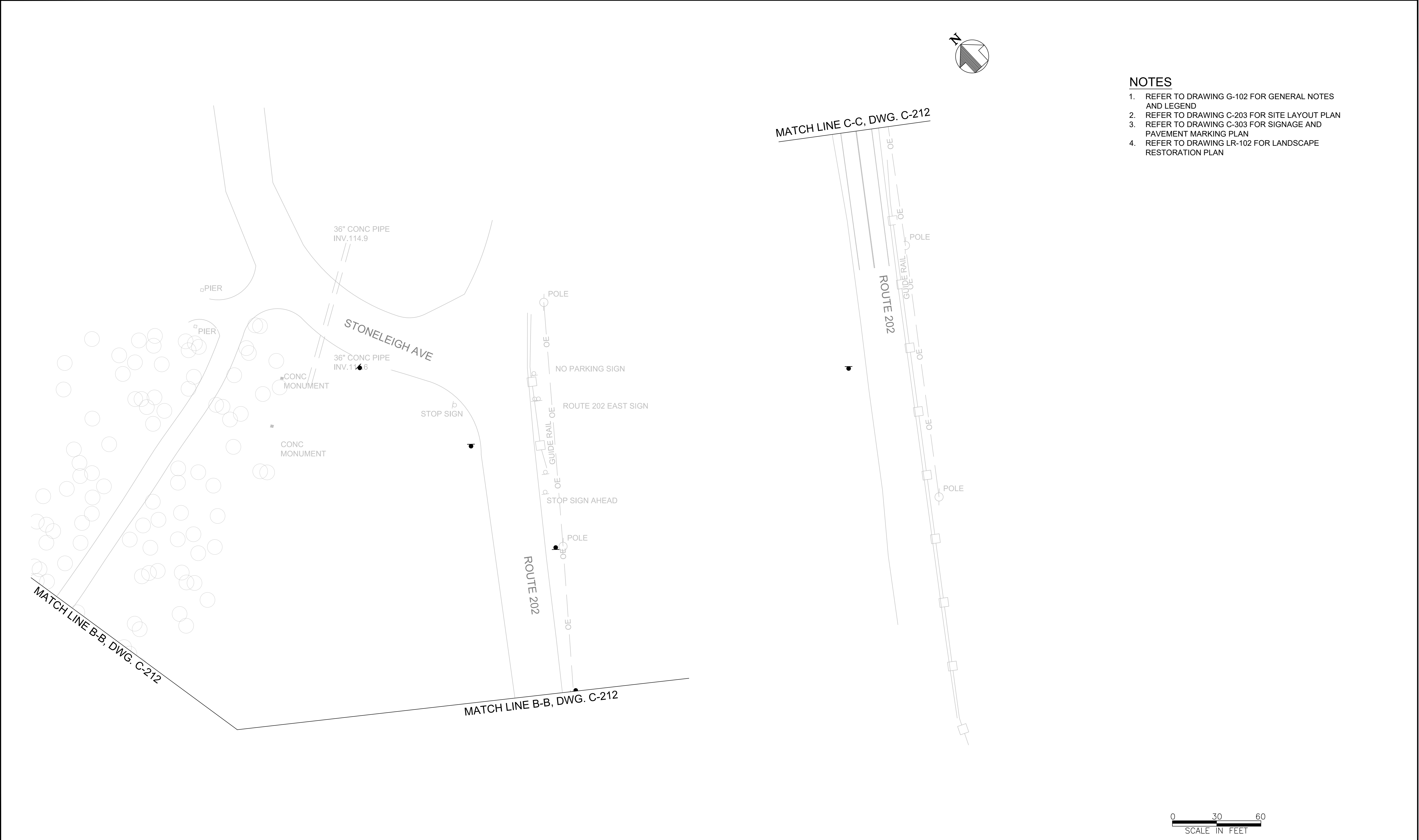


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
CONSTRUCTION PLAN  
3 OF 4

CONTRACT NO.  
142486  
SCALE  
1" = 30'  
DATE  
05-18-2021  
DRAWING NO.  
C-212  
SHEET 17 OF 105

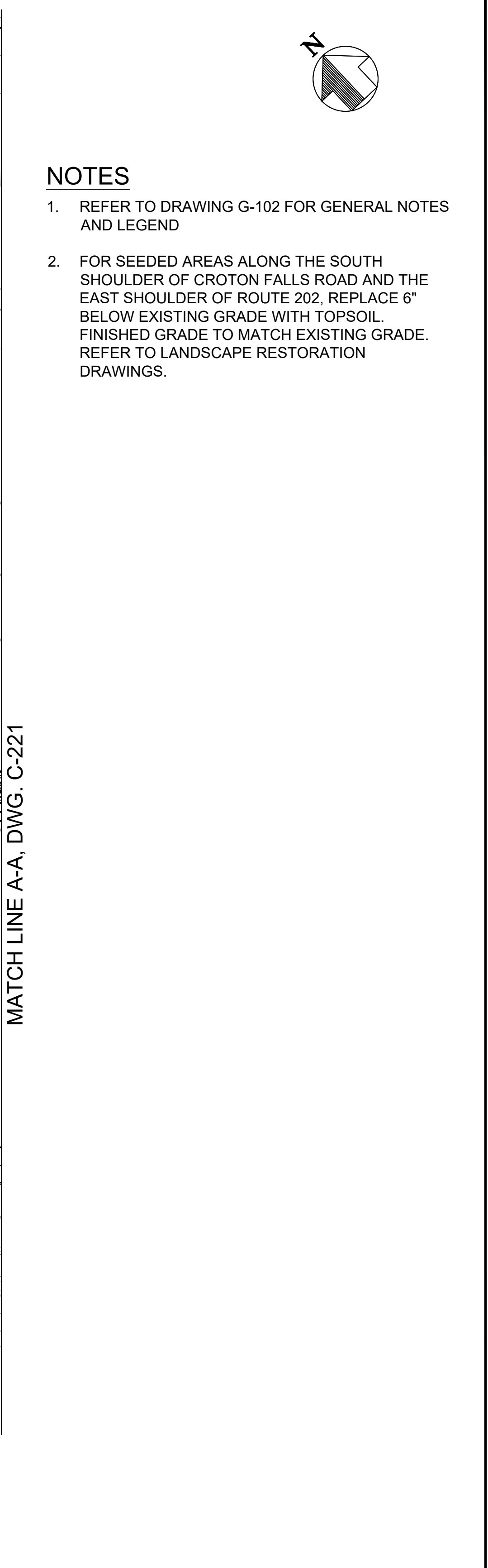


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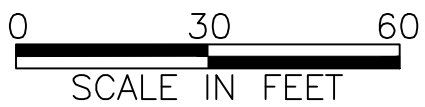
<div>DESIGNED S. FUNG</div> <div>DRAWN S. FUNG</div> <div>CHECKED D. RYAN</div> <div>APPROVED A. OSMAN</div>		<div>IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.</div>	<table><tr><td></td><td></td><td></td><td>CONFORMED</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>NO.</td><td>DATE</td><td></td><td>DRWN</td><td>CHKD</td><td>APPVD</td><td></td></tr><tr><td colspan="7">REVISIONS</td></tr></table>				CONFORMED																									NO.	DATE		DRWN	CHKD	APPVD		REVISIONS							<div> MATRIXNEWORLD Engineering Progress</div>	<div> Metro-North Railroad</div>	<div>TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  CONSTRUCTION PLAN 4 OF 4</div>	<table><tr><td colspan="2">CONTRACT NO. 142486</td></tr><tr><td>SCALE 1" = 30'</td><td>DATE 05-18-2021</td></tr><tr><td colspan="2">DRAWING NO. C-213</td></tr><tr><td colspan="2">SHEET 18 OF 105</td></tr></table>	CONTRACT NO. 142486		SCALE 1" = 30'	DATE 05-18-2021	DRAWING NO. C-213		SHEET 18 OF 105	
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DRAWING NO. C-213																																																									
SHEET 18 OF 105																																																									









1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
2. FOR SEEDED AREAS ALONG THE SOUTH SHOULDER OF CROTON FALLS ROAD AND THE EAST SHOULDER OF ROUTE 202, REPLACE 6" BELOW EXISTING GRADE WITH TOPSOIL. FINISHED GRADE TO MATCH EXISTING GRADE. REFER TO LANDSCAPE RESTORATION DRAWINGS.

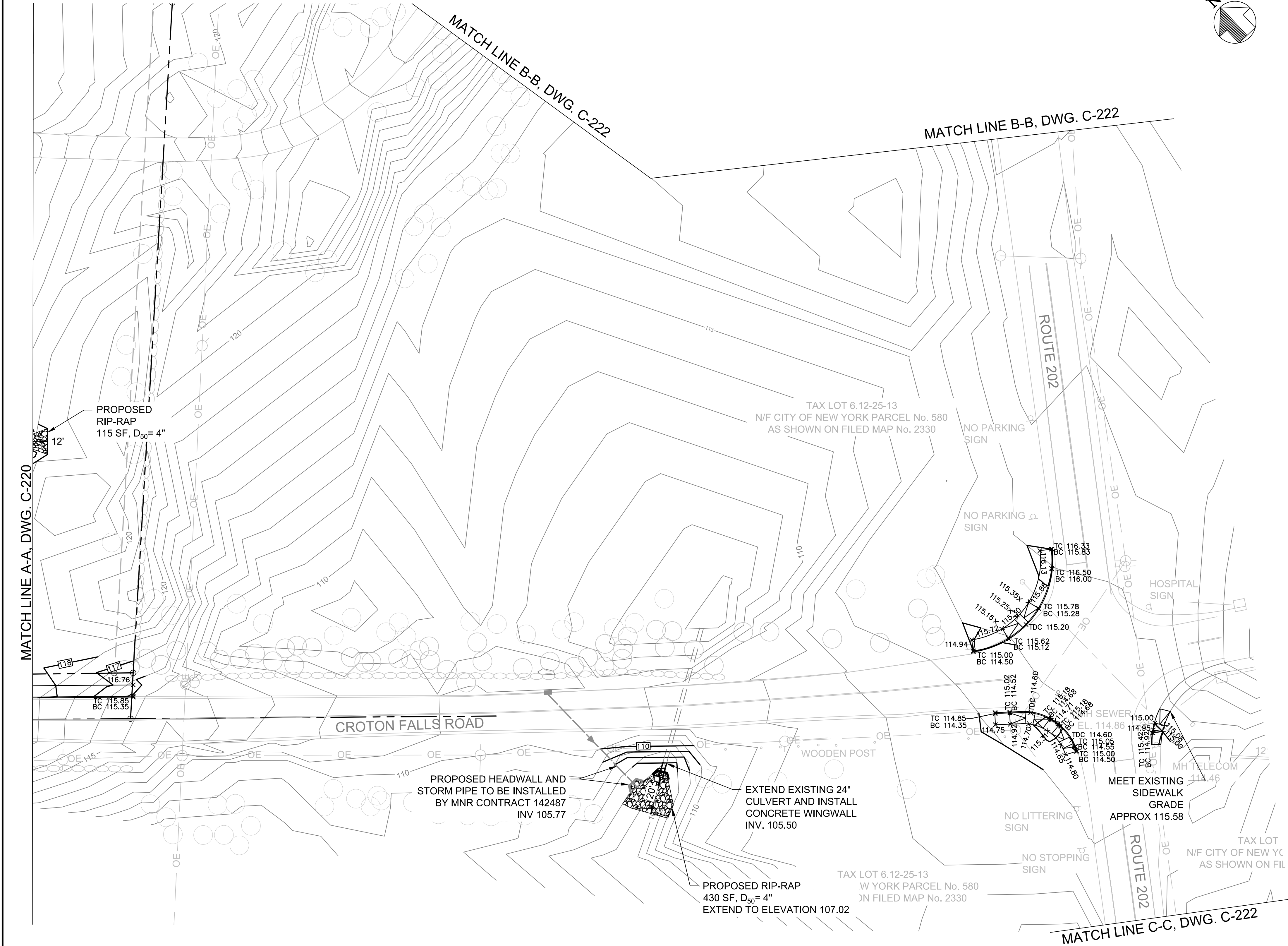
MATCH LINE A-A, DWG. C-221



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DRAWN S. FUNG										SCALE 1" = 30'	DATE 05-18-2021
CHECKED D. RYAN											
APPROVED A. OSMAN											
			NO.      DATE      DRWN      CHKD      APPVD				REVISIONS				



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### NOTES

- REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
- FOR SEEDED AREAS ALONG THE SOUTH SHOULDER OF CROTON FALLS ROAD AND THE EAST SHOULDER OF ROUTE 202, REPLACE 6" BELOW EXISTING GRADE WITH TOPSOIL. FINISHED GRADE TO MATCH EXISTING GRADE. REFER TO LANDSCAPE RESTORATION DRAWINGS.

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DRAWN S. FUNG	
CHECKED D. RYAN	
APPROVED A. OSMAN	

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NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

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Engineering Progress

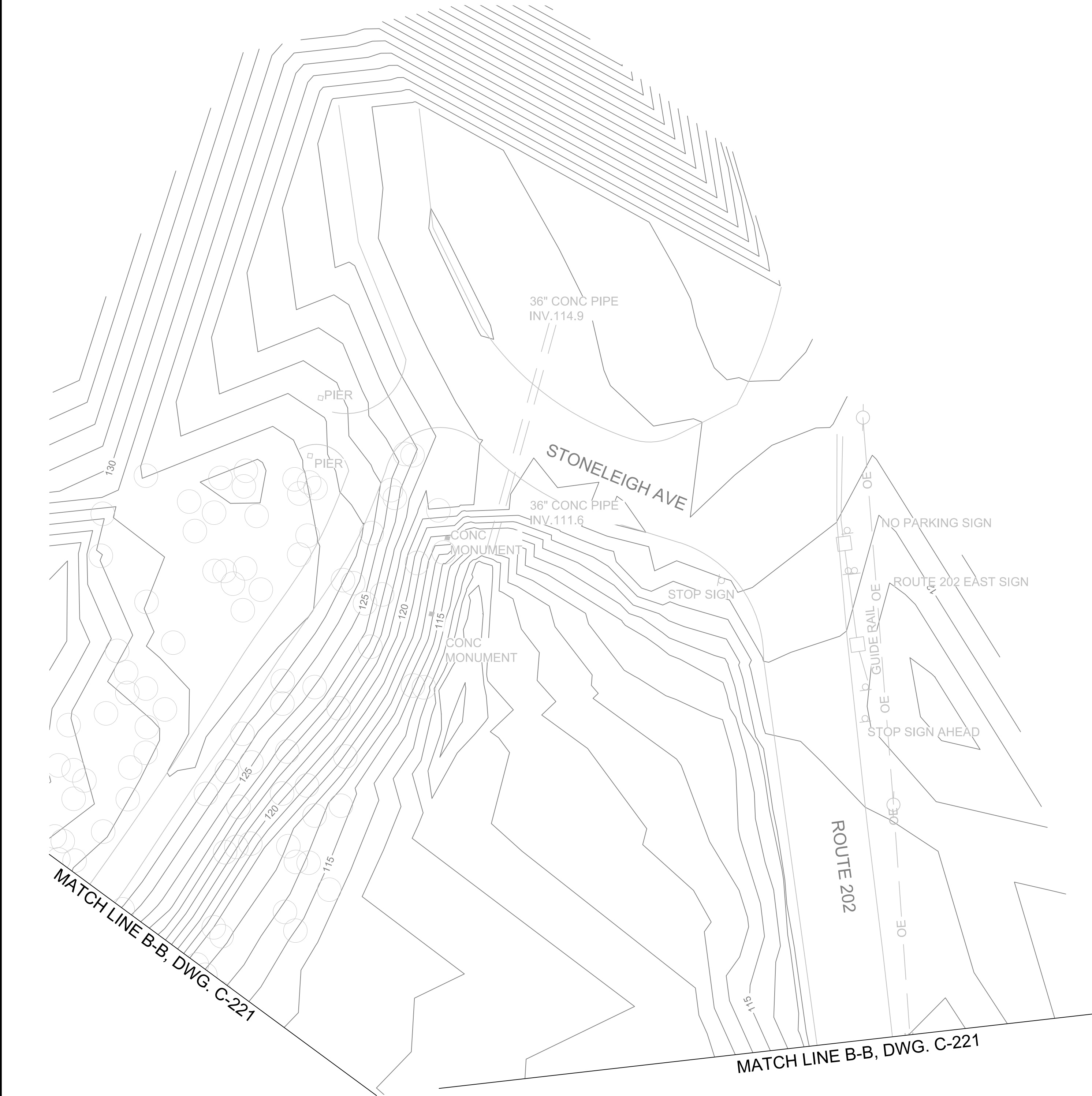


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
GRADING, DRAINAGE AND  
UTILITY PLAN  
2 OF 3

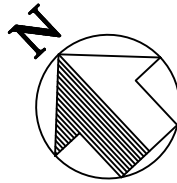
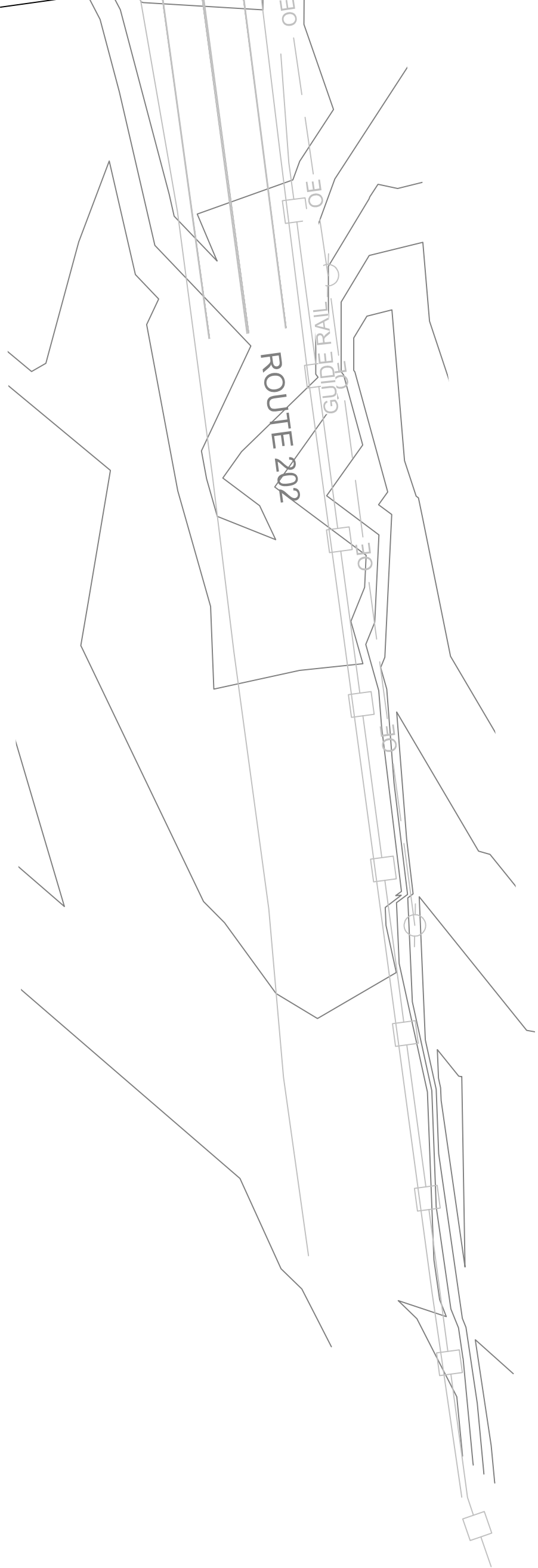
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SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-221	
SHEET 20 OF 105	



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MATCH LINE C-C, DWG. C-221



#### NOTES

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND
2. FOR SEEDED AREAS ALONG THE SOUTH SHOULDER OF CROTON FALLS ROAD AND THE EAST SHOULDER OF ROUTE 202, REPLACE 6" BELOW EXISTING GRADE WITH TOPSOIL. FINISHED GRADE TO MATCH EXISTING GRADE. REFER TO LANDSCAPE RESTORATION DRAWINGS.



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DRAWN S. FUNG
CHECKED D. RYAN
APPROVED A. OSMAN



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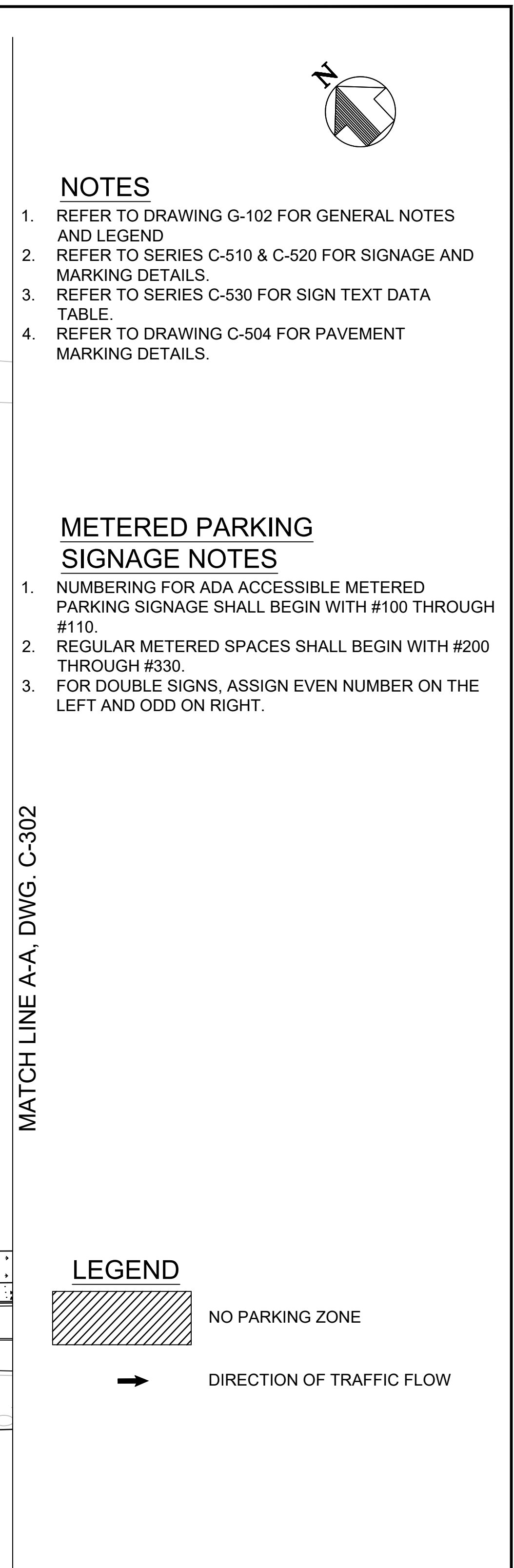
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TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
GRADING, DRAINAGE AND  
UTILITY PLAN  
3 OF 3

CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-222	
SHEET 21 OF 105	

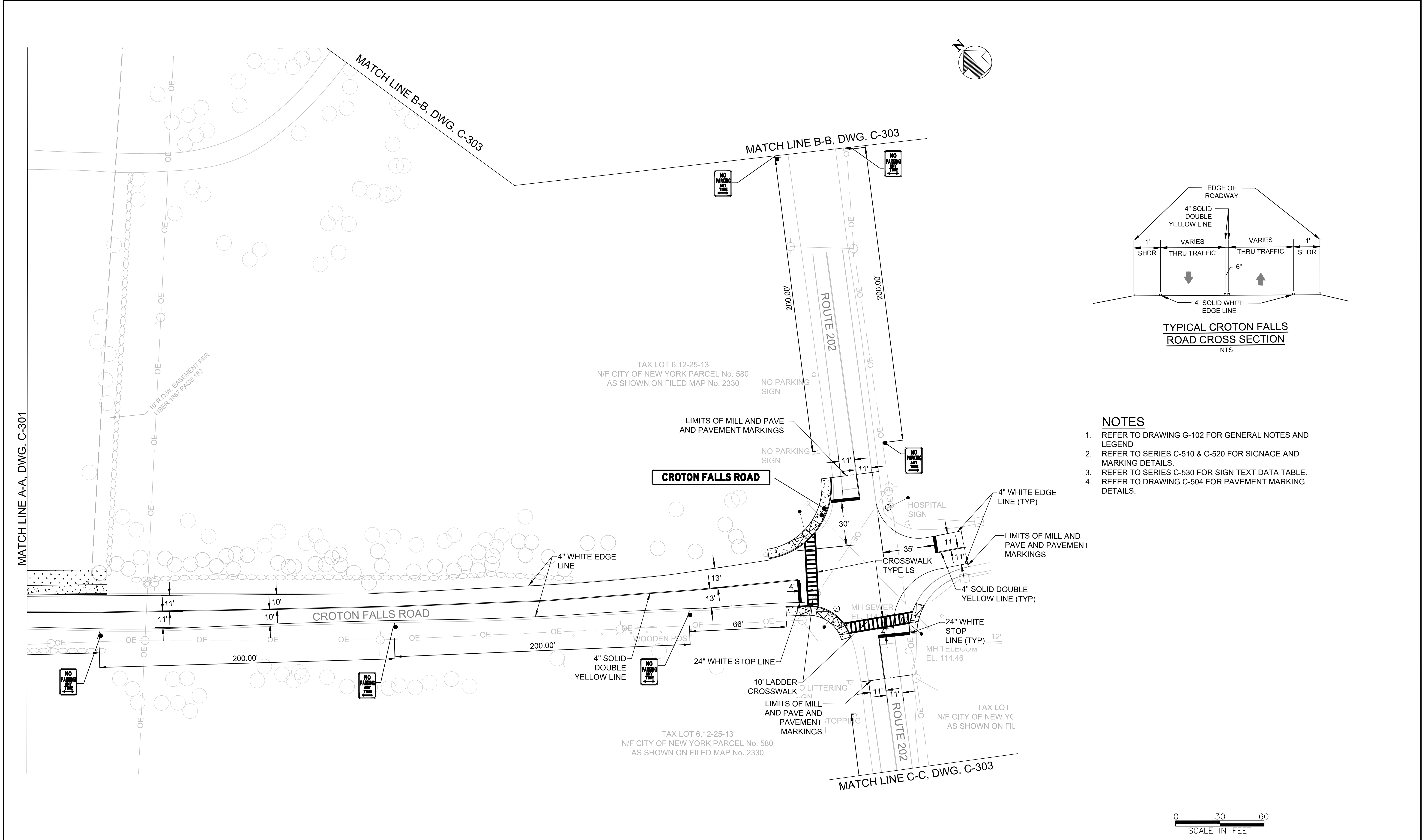




CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-301	
SHEET 22 OF 105	



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DRAWN S. FUNG					SCALE 1" = 30'				DATE 05-18-2021	
CHECKED D. RYAN					DRAWING NO. C-302					
APPROVED A. OSMAN					SHEET 23 OF 105					



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DESIGNED	S. FUNG
DRAWN	S. FUNG
CHECKED	D. RYAN
APPROVED	A. OSMAN



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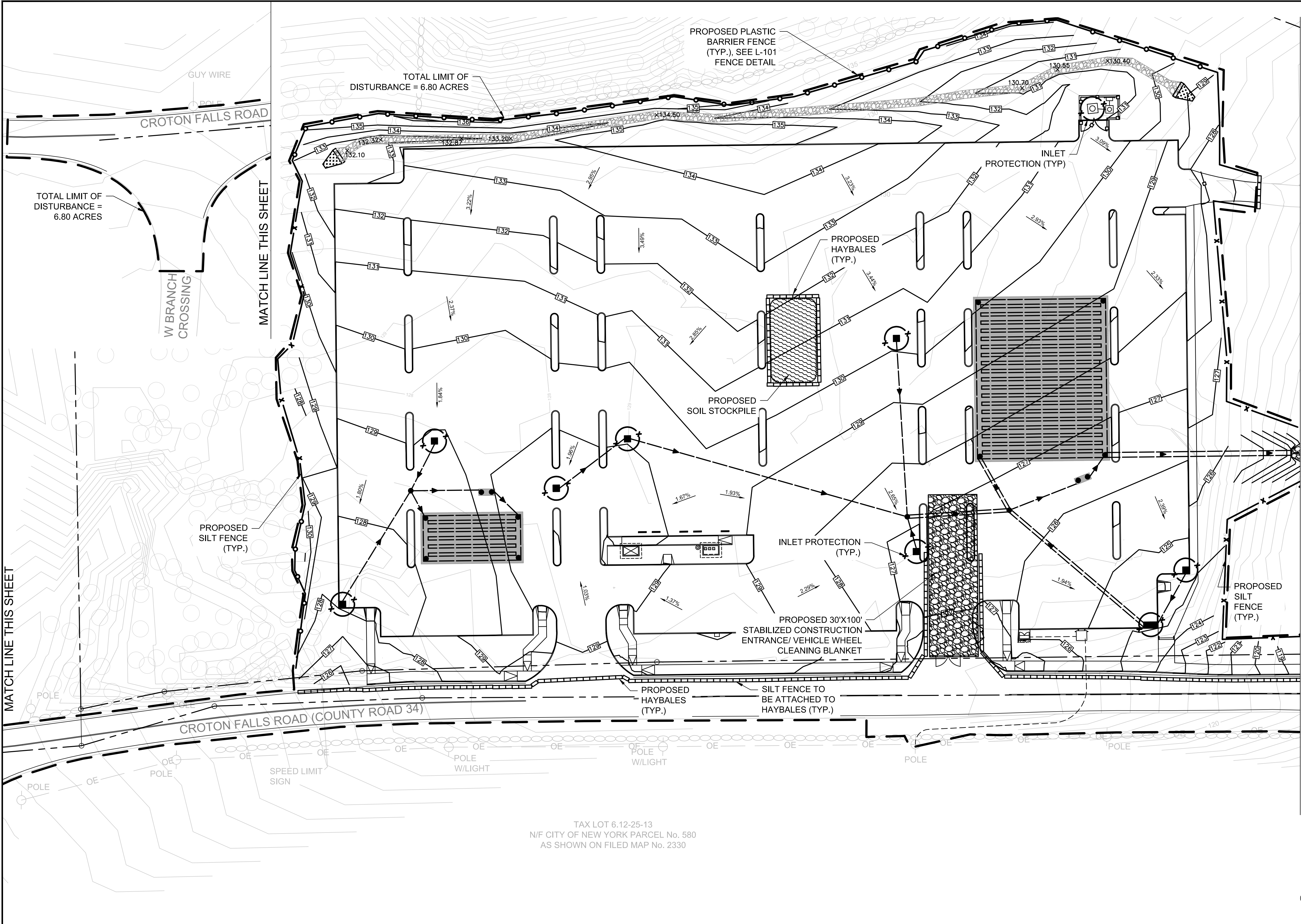
CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
SIGNAGE AND PAVEMENT  
MARKING PLAN  
3 OF 3

CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-303	
SHEET 24 OF 105	





**NOTES**

1. REFER TO DRAWING C-403 FOR SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

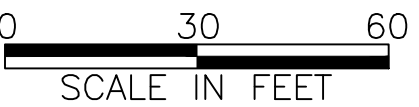
**LEGEND**

- LIMIT OF DISTURBANCE
- PLASTIC BARRIER FENCE
- x— SILT FENCE
- INLET PROTECTION
- ▮ HAYBALES
- ▨ SOIL STOCKPILE
- UNDERGROUND FILTRATION SYSTEM/ INFILTRATION BASIN
- ▤ D<sub>50</sub> = 4" STONE

MATCH LINE A-A, DWG. C-402

MATCH LINE THIS SHEET

MATCH LINE THIS SHEET



DESIGNED S. FUNG		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED					 <b>MATRIXNEWORLD</b> Engineering Progress	 <b>Metro-North Railroad</b>	TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  SOIL EROSION AND SEDIMENT CONTROL PLAN 1 OF 2	CONTRACT No. 142486	
DRAWN S. FUNG											SCALE 1" = 30'	DATE 05-18-2021
CHECKED D. RYAN											DRAWING NO. C-401	
APPROVED A. OSMAN											SHEET 25 OF 105	

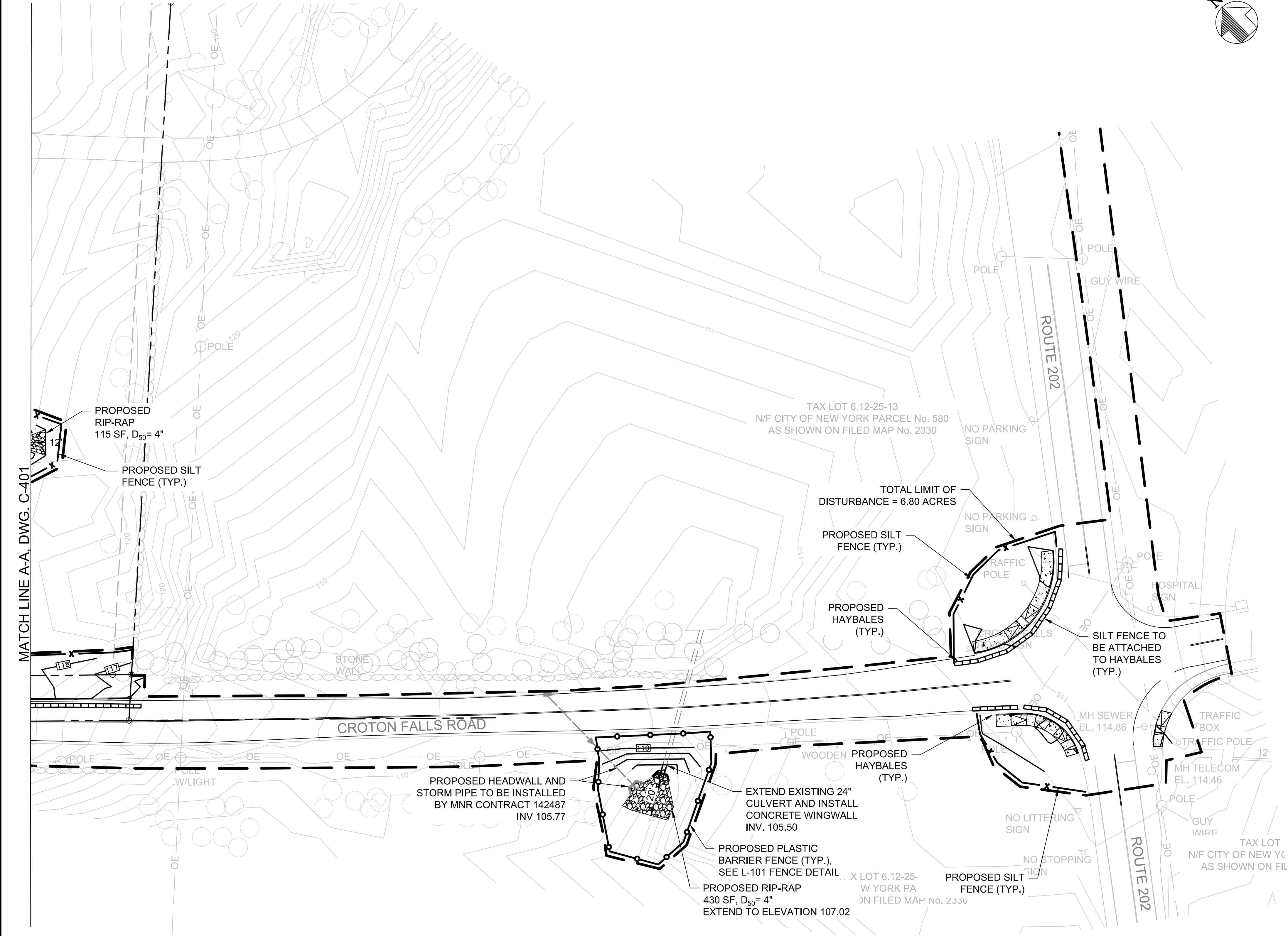
REVISIONS				
NO.	DATE	DRWN	CHKD	APPVD

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5/18/2021 1:30:25 PM  
Sfung

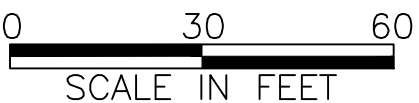


**NOTES**

1. REFER TO DRAWING C-403 FOR SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

**LEGEND**

- LIMIT OF DISTURBANCE
- PLASTIC BARRIER FENCE
- x — SILT FENCE
- INLET PROTECTION
- ▤ HAYBALES



DESIGNED S. FUNG	
DRAWN S. FUNG	
CHECKED D. RYAN	
APPROVED A. OSMAN	

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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

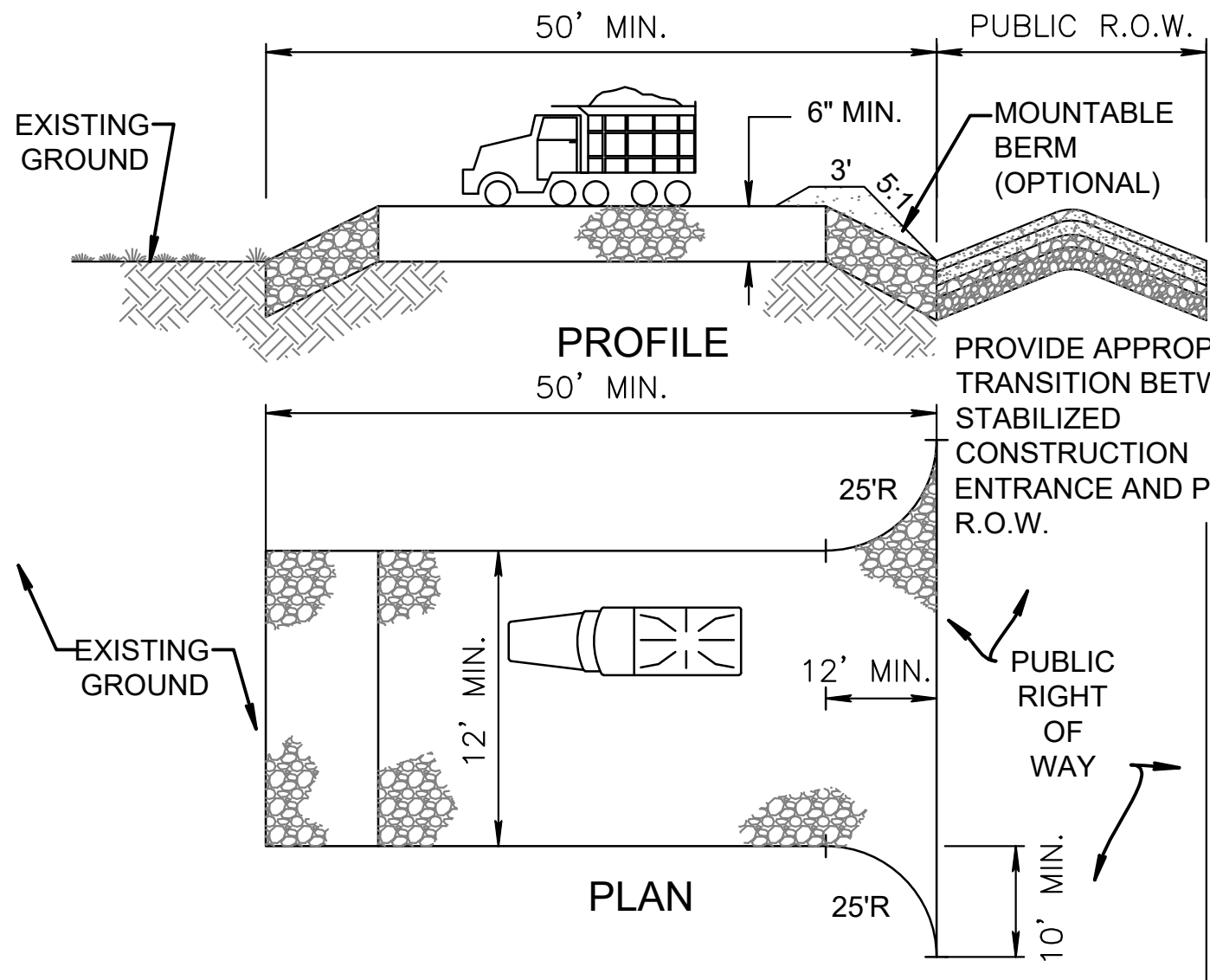


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
SOIL EROSION AND  
SEDIMENT CONTROL PLAN  
2 OF 2

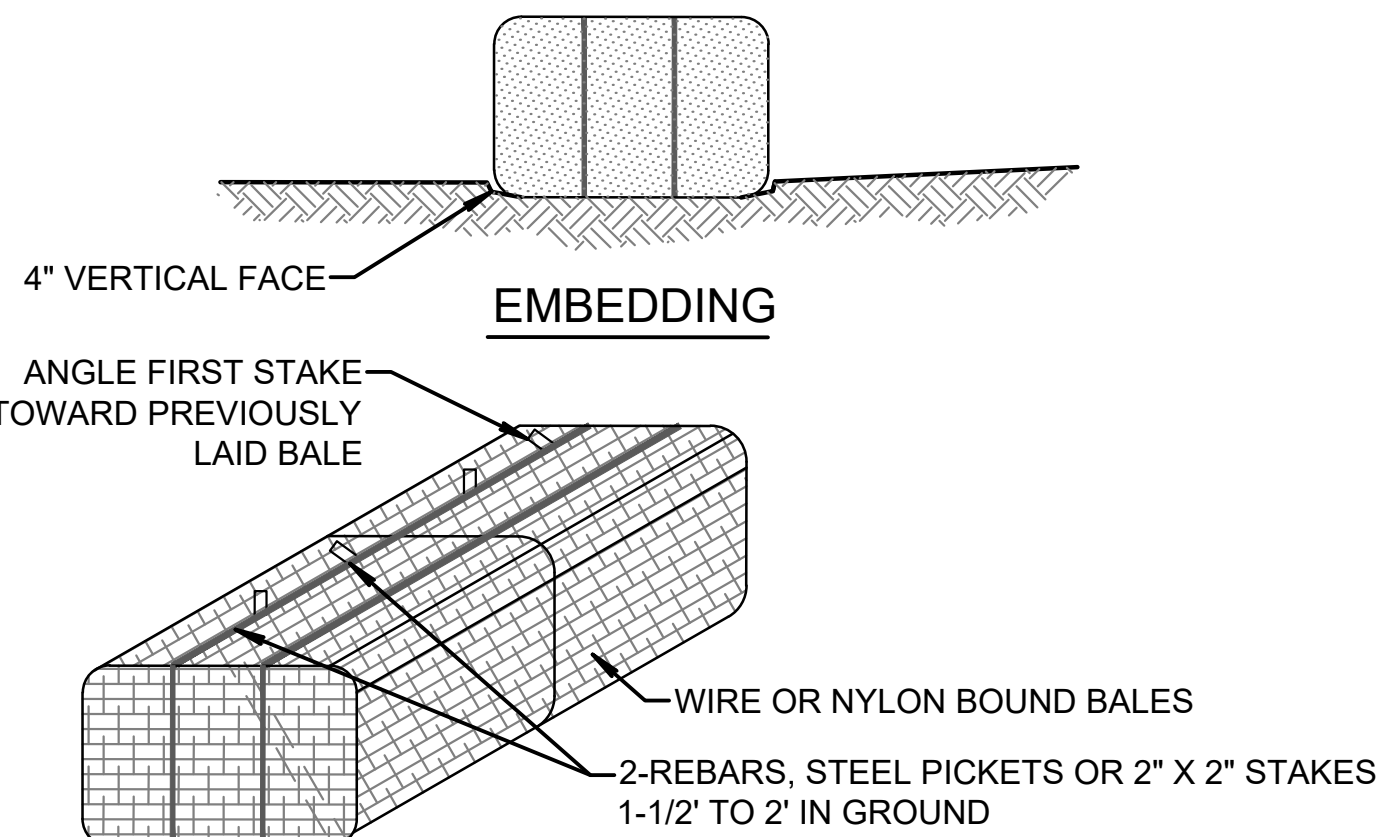
CONTRACT No. 142486	
SCALE 1" = 30'	DATE 05-18-2021
DRAWING NO. C-402	
SHEET 26 OF 105	



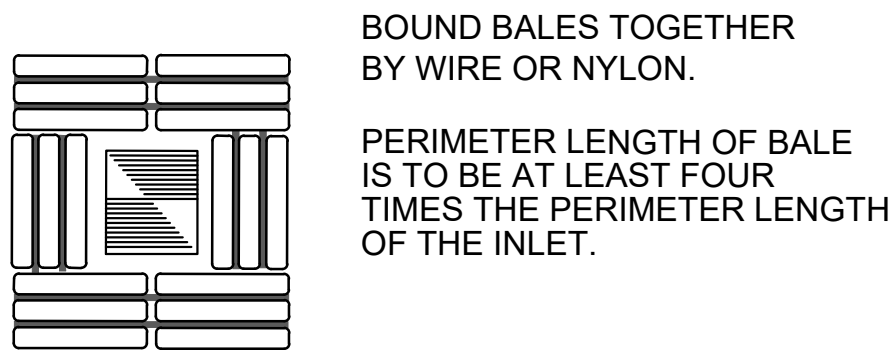
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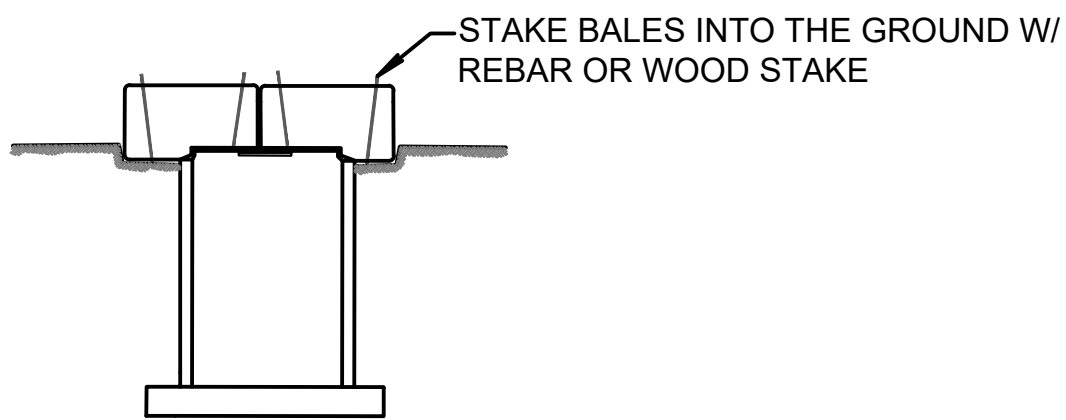
**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



**HAY BALE FILTER**



**PLAN**

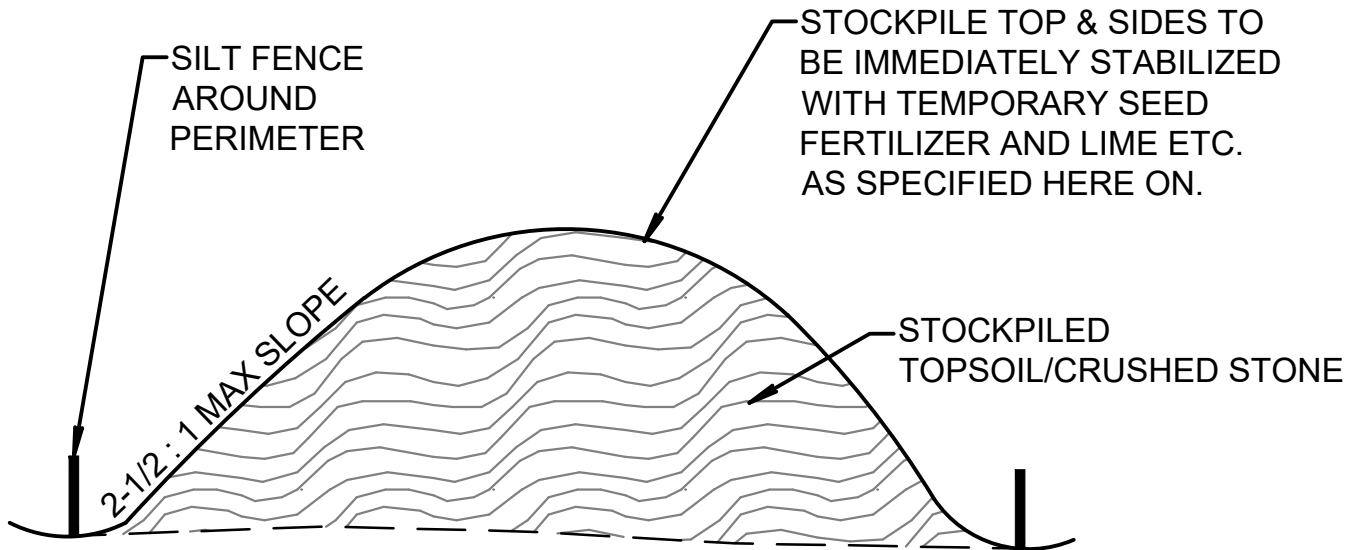


**ELEVATION**

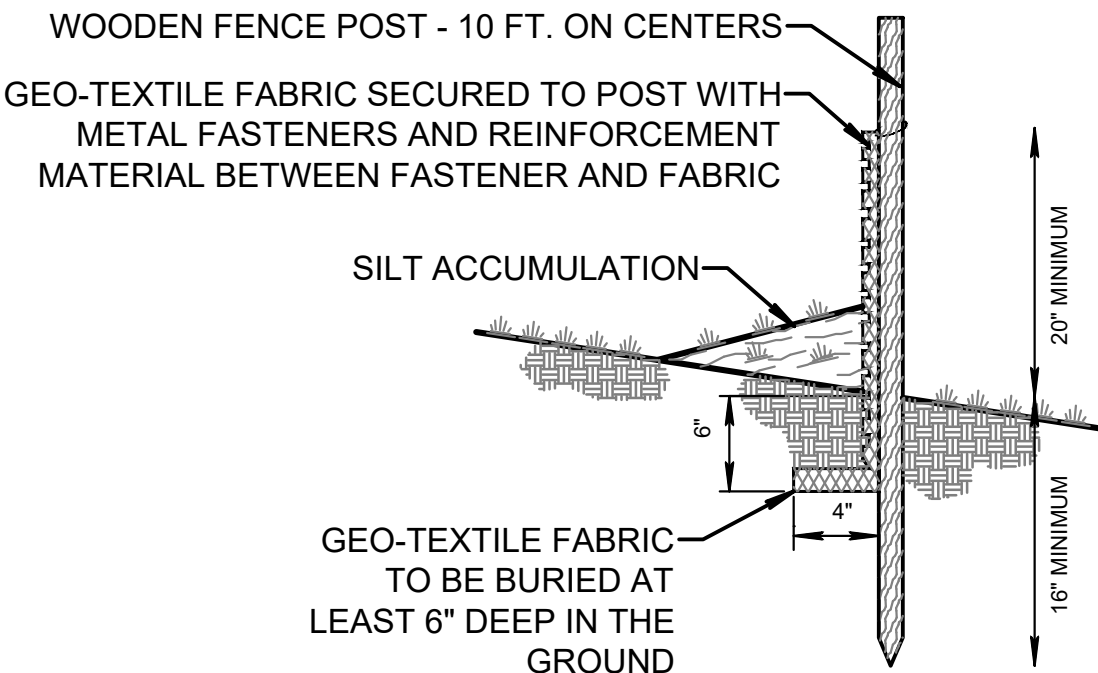
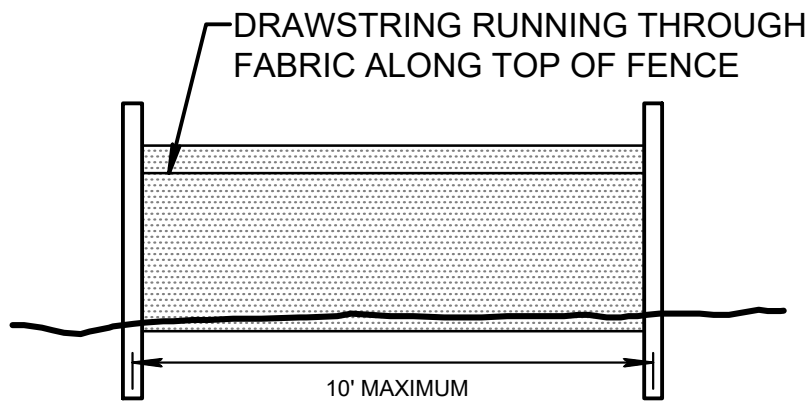
**INLET HAY BALE PROTECTION**  
NOT TO SCALE

**CONSTRUCTION ENTRANCE NOTES:**

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
3. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
4. 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.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
6. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



**STOCKPILE AREA**  
NOT TO SCALE



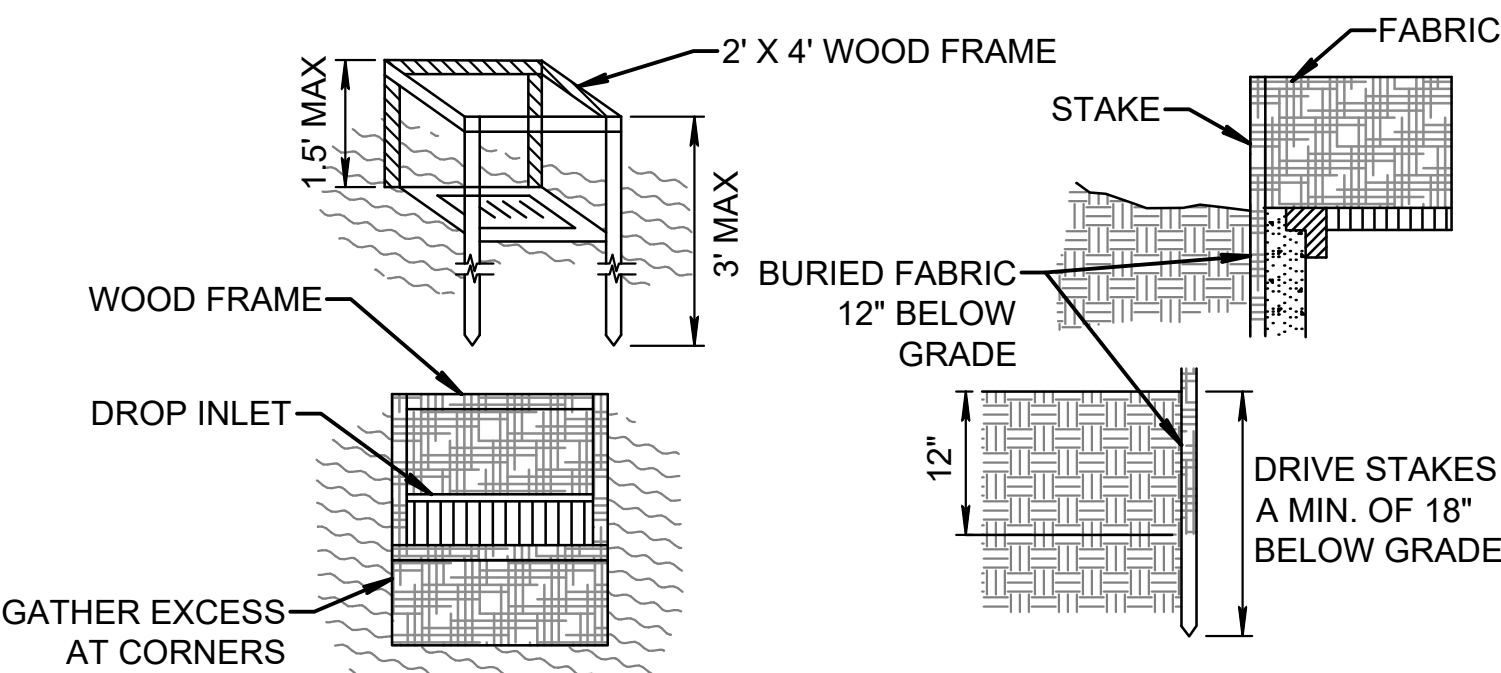
**SILT FENCE**  
NOT TO SCALE

**SILT FENCE NOTES:**

1. GEO-TEXTILE FABRIC TO BE FASTENED SECURELY TO WOODEN FENCE POSTS WITH STAPLES.
2. WOOD POSTS FOR SILT FENCE SHALL HAVE A CROSS-SECTION AREA OF 3.5 SQUARE INCHES.
3. WHEN TWO SECTIONS OF FABRIC FENCE ADJOIN TO EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100 X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**STANDARD EROSION AND SEDIMENT PLAN NOTES:**

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, THE E&S PLAN PREPARER, AND THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PLAN TO AN ON-SITE PRECONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE NEW YORK ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-524-7603 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. VEGETATED AREAS TO BE DISTURBED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
5. SOIL DISTURBANCE INCLUDING CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL NOT COMMENCE UNTIL THE E&S MEASURES SPECIFIED IN THE SWPPP HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
6. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
7. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2.5H:1V OR FLATTER.
8. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE OWNER AND ENGINEER.
9. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED. REFER TO DEMOLITION NOTE 17 ON DRAWING NO. G-102.
10. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. CONTRACTOR TO SUBMIT THE "CLEAN FILL CERTIFICATION" IN SECTION 02 61 00 OF THE PROJECT SPECIFICATIONS. FORM MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING. REFER DEMOLITION NOTE 17 ON DRAWING NO. G-102.
11. UNTIL THE SITE IS STABILIZED, ALL E&S MEASURES SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S MEASURES AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S MEASURES FAIL TO PERFORM AS EXPECTED, REPLACEMENT MEASURES, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
12. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
13. ALL SEDIMENT REMOVED FROM E&S MEASURES SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. REFER TO DEMOLITION NOTE 17 ON DRAWING NO. G-102.
14. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH DESIGN SPECIFICATION 312000 - EARTH MOVING.
15. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
16. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
17. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
18. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
19. ALL EXPOSED SOILS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON COMPLETION OF WORK IN THAT AREA AND SHALL BE TEMPORARILY STABILIZED IF EXPOSED FOR MORE THAN 14 DAYS DUE TO CONSTRUCTION DELAYS. STABILIZATION SHALL INCLUDE SEEDING, MULCHING, GRAVEL, OR COVER WITH PROCESSED CONSTRUCTION DEBRIS CONSISTING OF ASPHALT, CONCRETE, AND STONE IF AND WHERE APPROVED BY THE ENGINEER.



**FABRIC DROP INLET PROTECTION**  
NOT TO SCALE

**INLET PROTECTION NOTES:**

1. FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2' X 4' WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2' X 4' WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

DESIGNED  
S. FUNG

DRAWN  
S. FUNG

CHECKED  
D. RYAN

APPROVED  
A. OSMAN



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CONFORMED

NO. DATE DRWN CHKD APPVD

REVISIONS

**AECOM**  
**MATRIXNEWORLD**  
Engineering Progress



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

SOIL EROSION AND  
SEDIMENT CONTROL  
DETAILS AND NOTES

CONTRACT NO.  
142486

SCALE  
1" = 30'

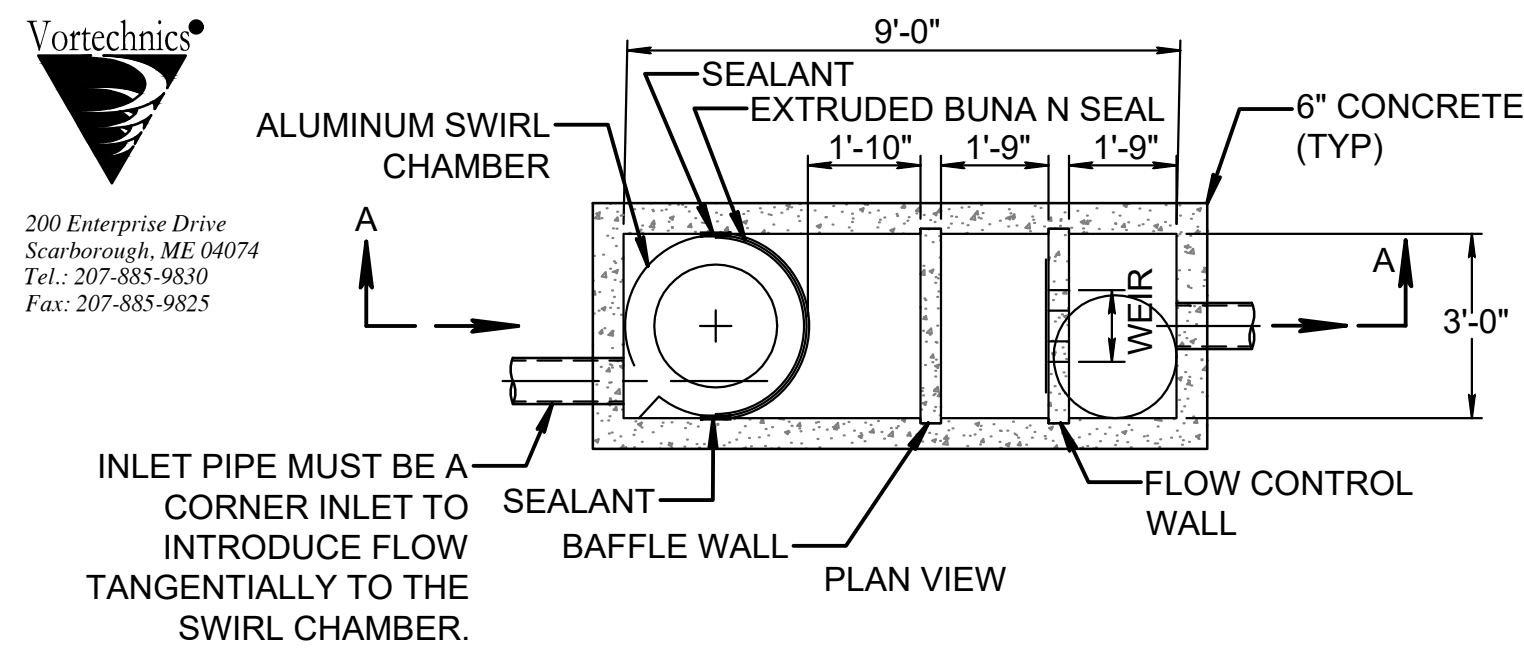
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DRAWING NO.

C-403

SHEET 27 OF 105

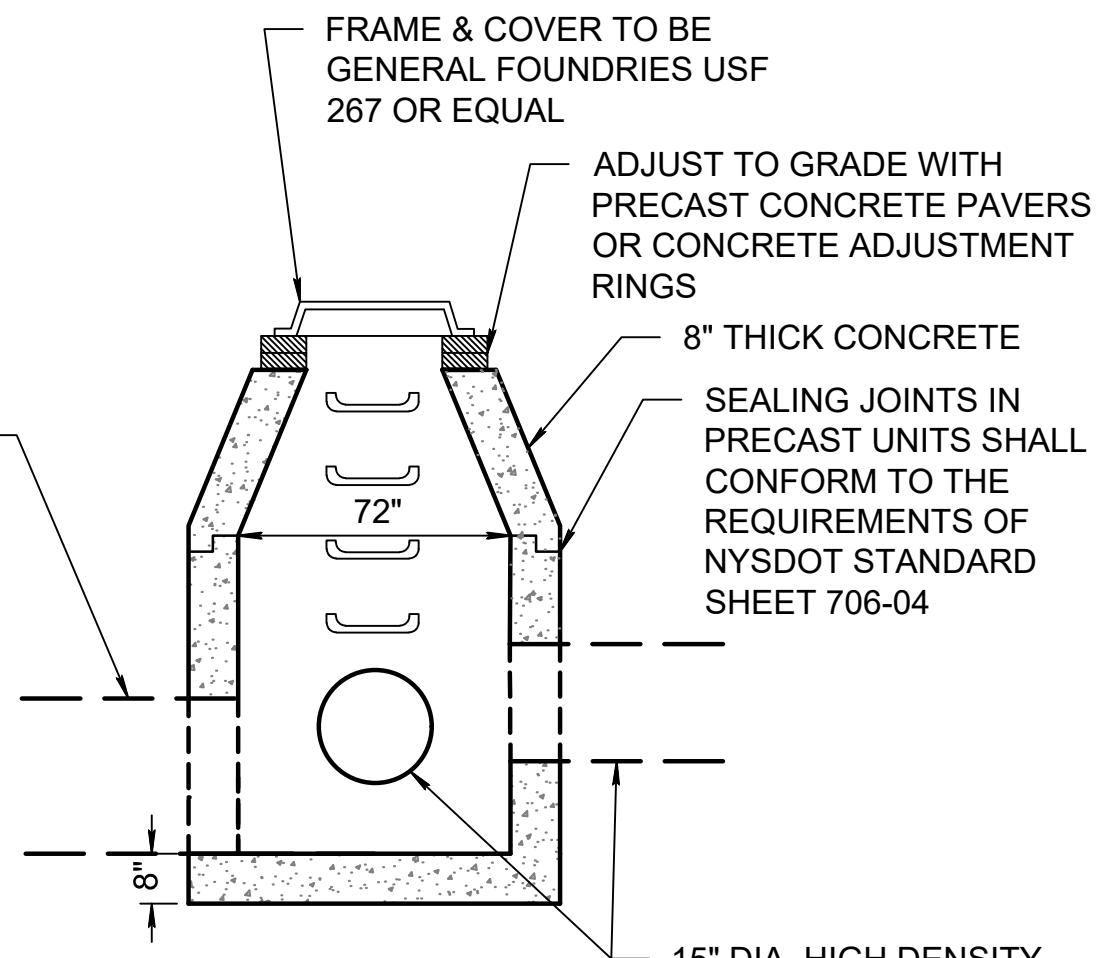




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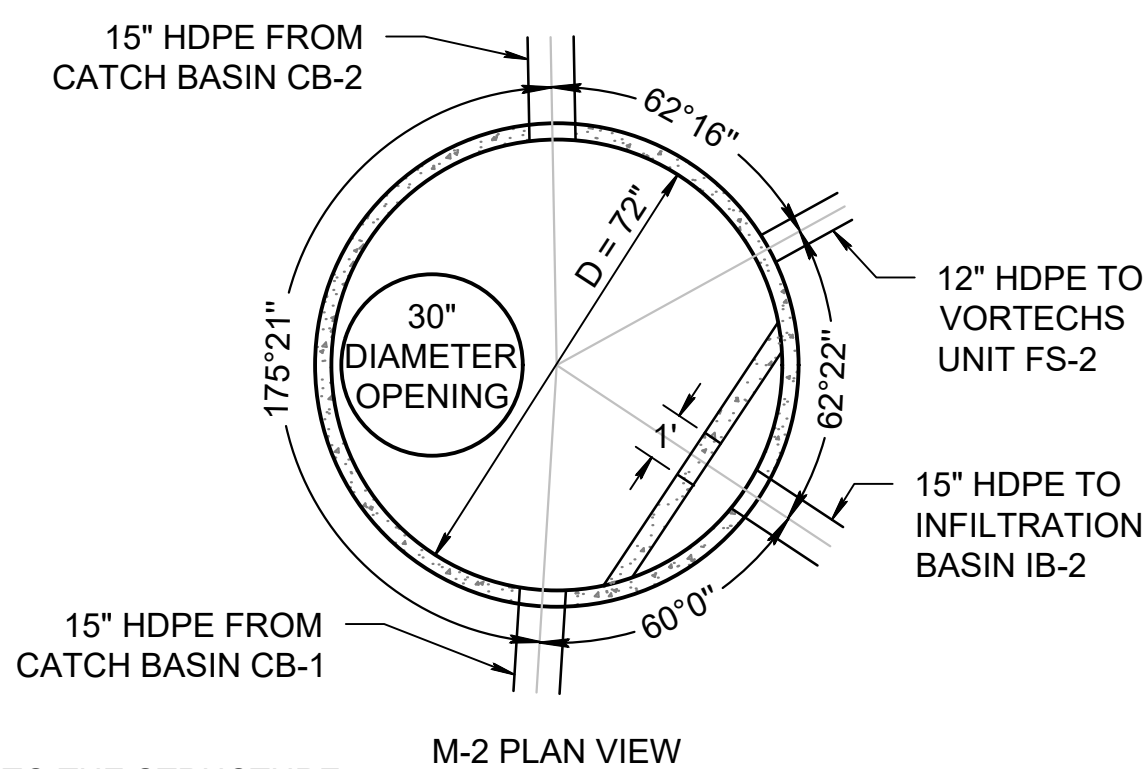
1. APPROVED EQUAL MANUFACTURED TREATMENT SYSTEMS MAY BE CONSIDERED PROVIDED THEY ARE CERTIFIED BY THE NYSDEC FOR EQUIVALENT FLOW RATES AND WATER QUALITY TREATMENT.
2. STORMWATER TREATMENT SYSTEM (SWTS) SHALL HAVE:  
PEAK TREATMENT CAPACITY: 1.6 CFS  
SEDIMENT STORAGE: 0.75 CU YD  
SEDIMENT CHAMBER DIAMETER: 3.0' MIN
3. SWTS SHALL BE CONTAINED IN ONE RECTANGULAR STRUCTURE.
4. SWTS REMOVAL EFFICIENCY SHALL BE DOCUMENTED BASED ON PARTICLE SIZE.
5. SWTS SHALL RETAIN FLOATABLES AND TRAPPED SEDIMENT UP TO AND INCLUDING PEAK TREATMENT CAPACITY.
6. SWTS INVERTS IN AND OUT ARE TYPICALLY AT THE SAME ELEVATION.
7. SWTS SHALL NOT BE COMPROMISED BY EFFECTS OF DOWNSTREAM TAILWATER.
8. SWTS SHALL HAVE NO INTERNAL COMPONENTS THAT OBSTRUCT MAINTENANCE ACCESS.

9. INLET PIPE MUST BE PERPENDICULAR TO THE STRUCTURE.
10. PIPE ORIENTATION MAY VARY; SEE SITE PLAN FOR SIZE AND LOCATION.
11. PURCHASER SHALL NOT BE RESPONSIBLE FOR ASSEMBLY OF UNIT.
12. MANHOLE FRAMES AND PERFORATED COVERS SUPPLIED WITH SYSTEM, NOT INSTALLED.
13. PURCHASER TO PREPARE EXCAVATION AND PROVIDE CRANE FOR OFF-LOADING & SETTING AT TIME OF DELIVERY.
14. CONTACT VORTECHNICS @ (207) 885-9830 FOR ORDERING INFORMATION.
15. VORTECHS SYSTEMS INSTALLED IN A BYPASS CONFIGURATION REQUIRE AN UPSTREAM DIVERSION STRUCTURE THAT SHALL BE DETAILED BY THE CONSULTING ENGINEER WITH ELEVATION AND WEIR WIDTH DATA PROVIDED BY VORTECHNICS.
16. THIS DETAIL IS PROPRIETARY INFORMATION AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
17. U.S. PATENT No. 5,759,415

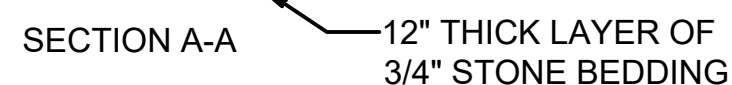


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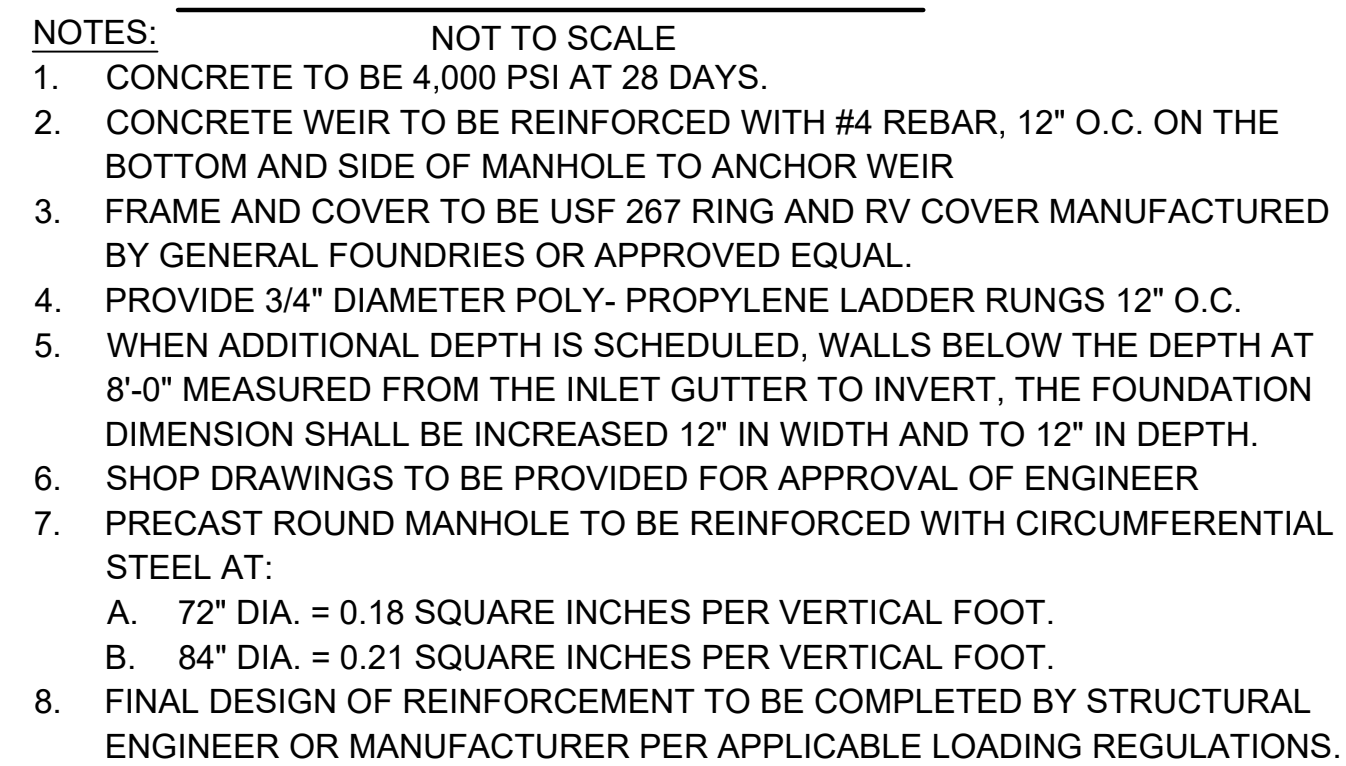


VORTECH UNIT DIMENSIONS		
	EAST, FS-1	WEST, FS-2
INLET PIPE	12" HDPE	12" HDPE
OUTLET TO IB	15" HDPE	15" HDPE
ORIFICE DIMENSION	3" L x 4" H	3" L x 4" H
WEIR WIDTH	2'	1.5'



NOT TO SCALE

NOT TO SCALE

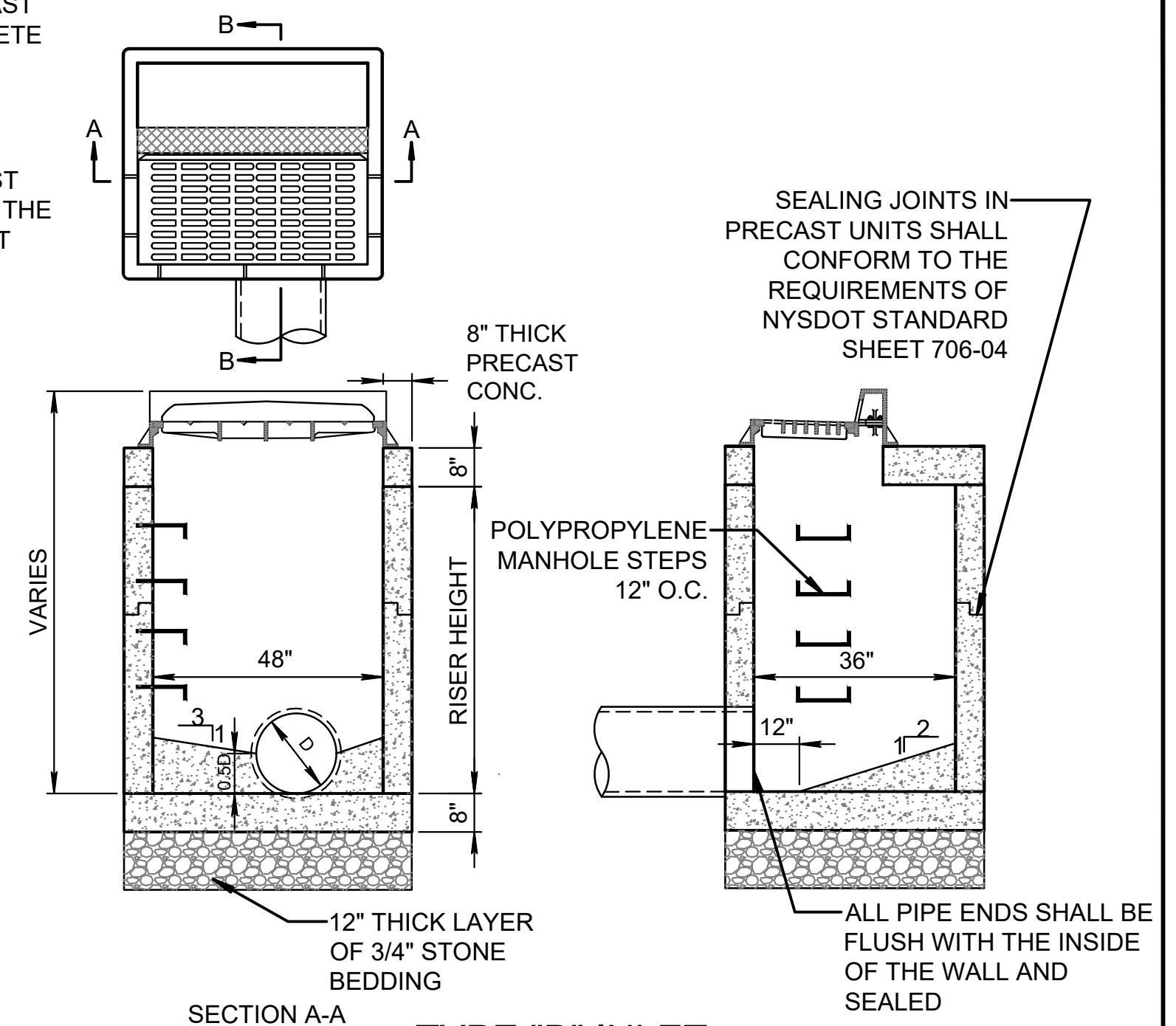
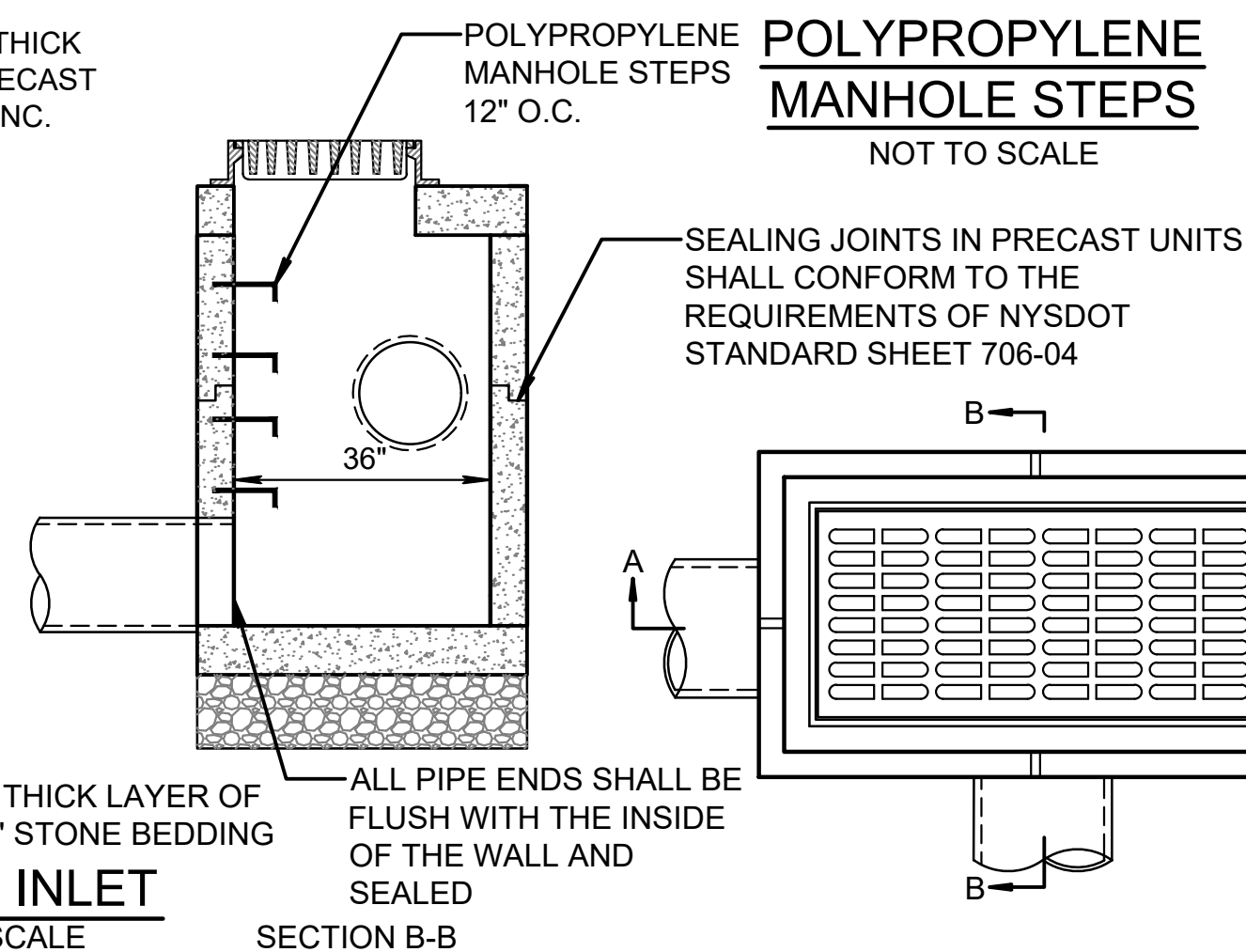


FLOW DIVERSION MANHOLE DIMENSIONS		
	EAST, MH-1	WEST, MH-2
INLET PIPE	24" HDPE	15" HDPE
OUTLET TO IB	24" HDPE	15" HDPE
OUTLET TO FILTRATION	12" HDPE	12" HDPE
WEIR WIDTH, W	3'	1'



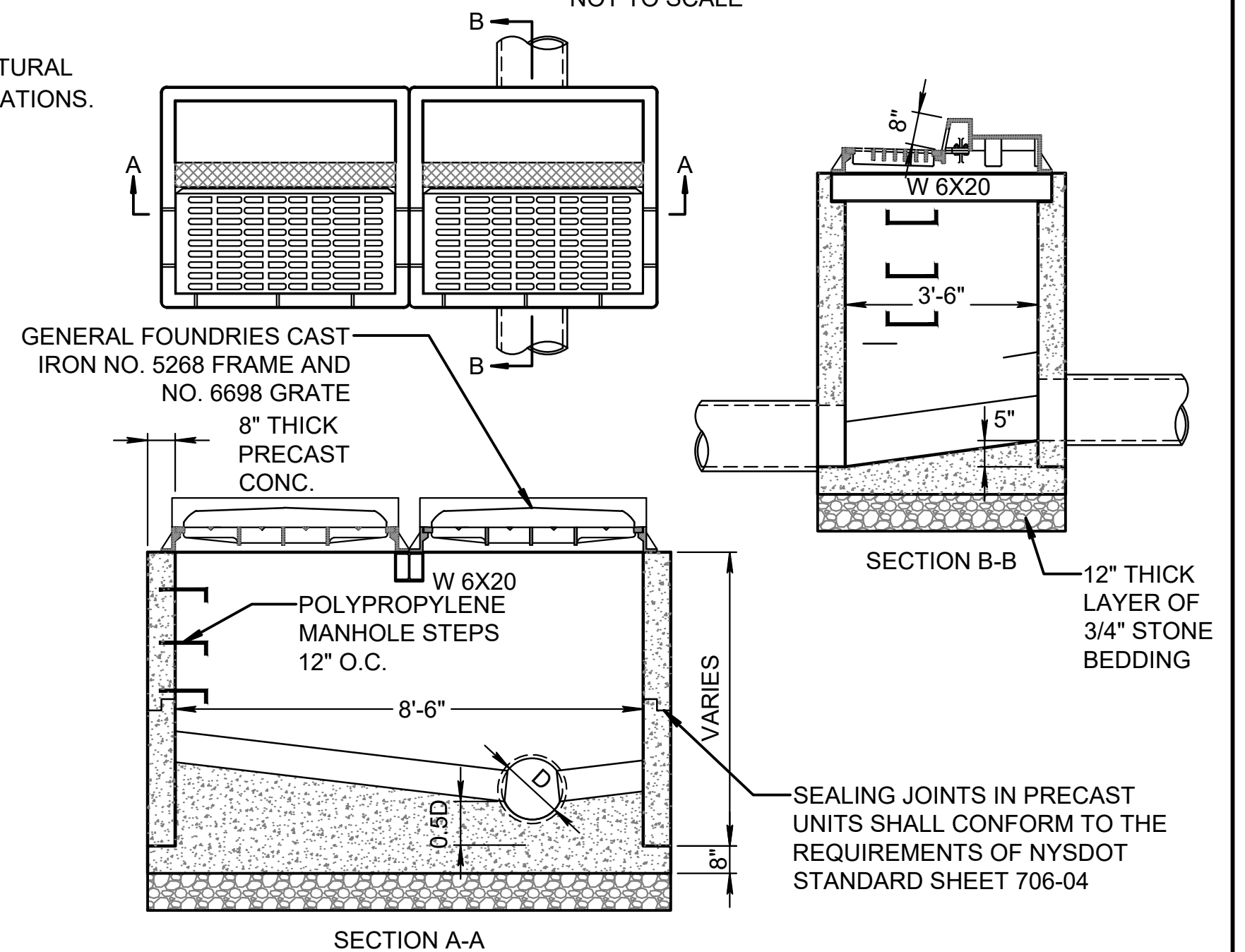
NOT TO SCALE

NOT TO SCALE



NOT TO SCALE

NOT TO SCALE



NOT TO SCALE

NOT TO SCALE

1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYS DOT) STANDARD SHEETS AND SPECIFICATIONS.
2. DRAINAGE STRUCTURES SHALL BE PRECAST UNITS. ROUND DRAINAGE STRUCTURES SHALL BE PRECAST ONLY. ALL CAST IN PLACE CONCRETE SHALL BE CLASS A.
3. THE CONTRACTORS SHALL SUBMIT WORKING DRAWINGS FOR REVIEW AND APPROVAL OF ANY CHANGES TO THE STRUCTURES SHOWN ON THE NYS DOT STANDARD SHEETS OR CONTRACT PLANS, OTHER THAN MINOR CHANGES APPROVED BY THE ENGINEER.
4. CAST FRAMES TO BE PARALLEL BAR GRATES. GRATES SHALL BE INSTALLED SO THAT THE LENGTH OF THE GRATE IS PARALLEL TO THE SURFACE FLOW.

DESIGNED S. FUNG	
DRAWN S. FUNG	
CHECKED D. RYAN	
APPROVED A. OSMAN	



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		CONFORMED			
<i>NO.</i>	<i>DATE</i>		<i>DRWN</i>	<i>CHKD</i>	<i>APPVD</i>
<i>REVISIONS</i>					

**AECOM**  
MATRIX**NEW**WORLD  
Engineering Progress



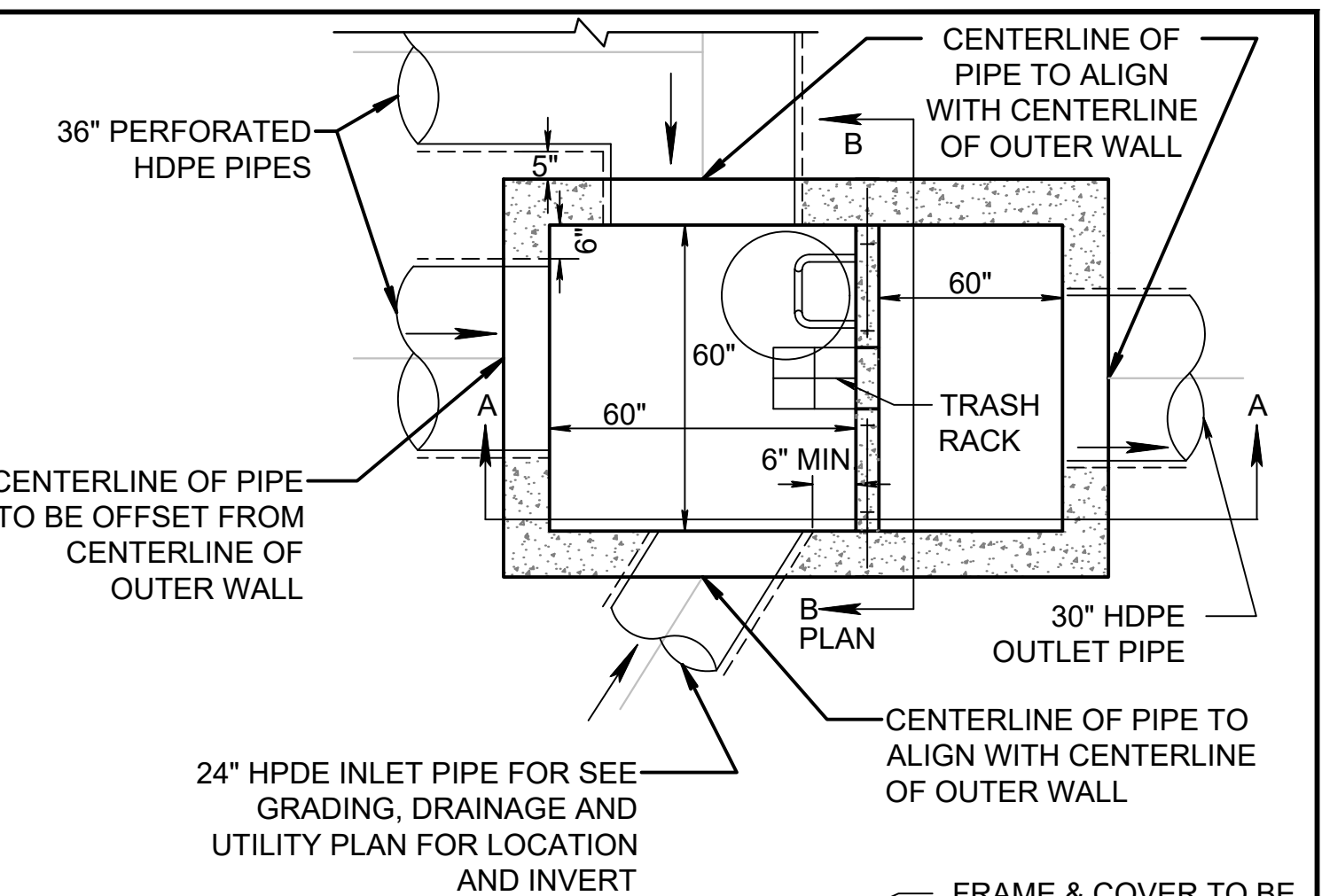
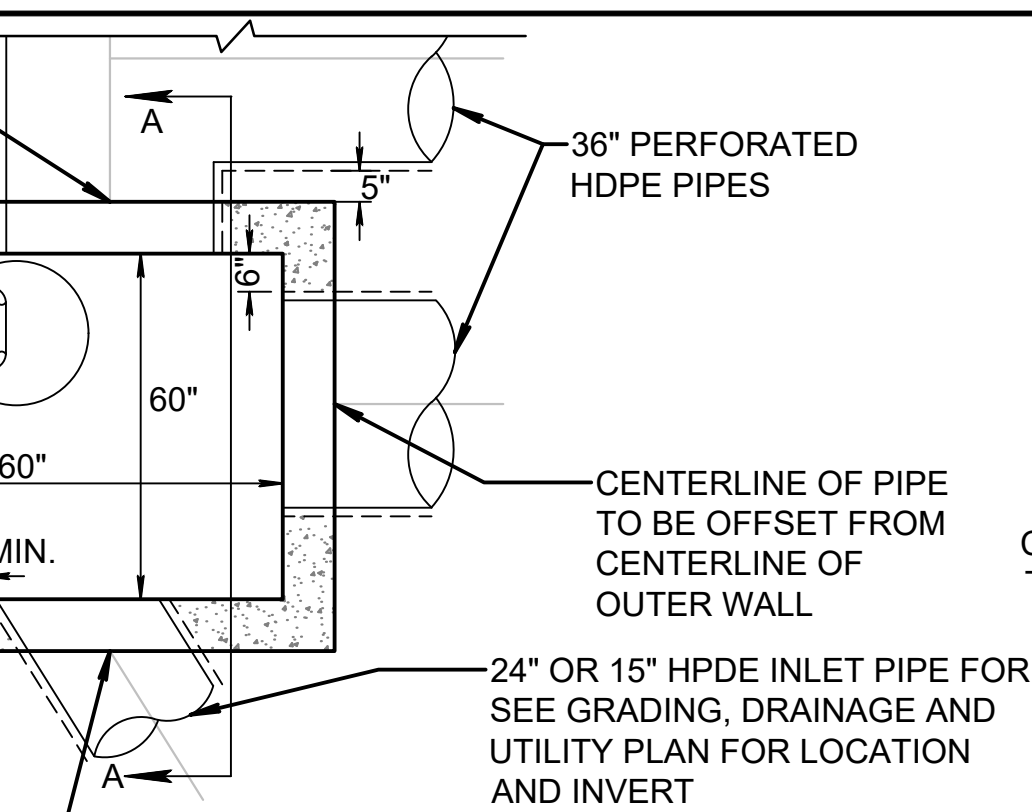
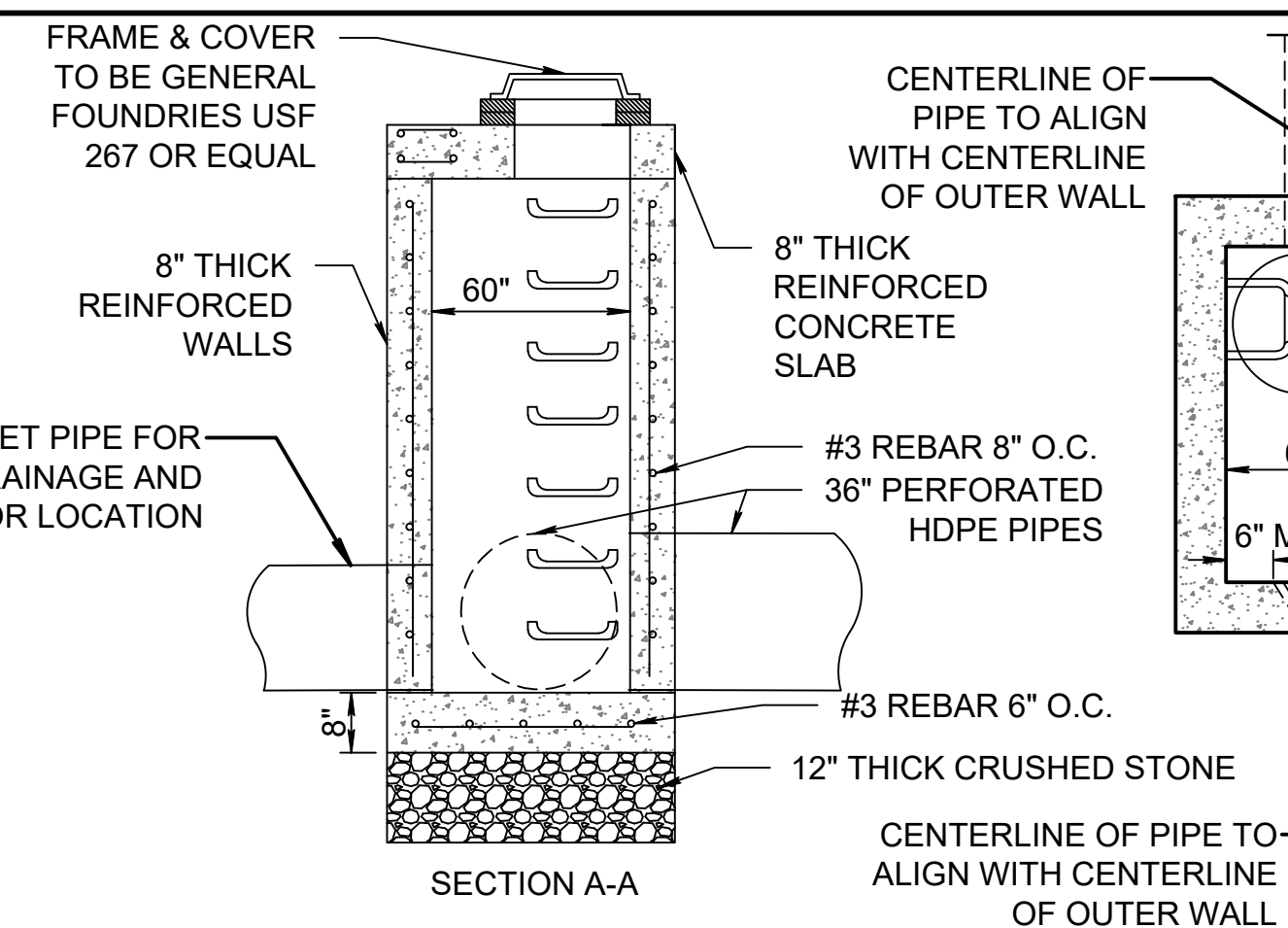
## Metro-North Railroad

*TITLE*  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

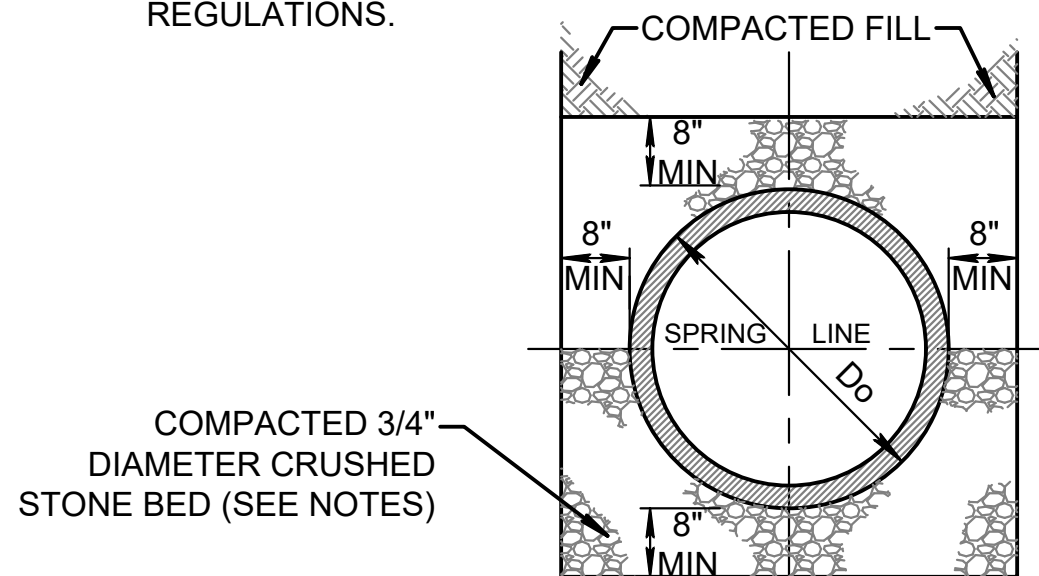
CONSTRUCTION DETAILS  
1 OF 5

CONTRACT NO. 142486	
SCALE AS SHOWN	DATE 08-21-2020
DRAWING NO. C-501	
SHEET 28 OF 105	





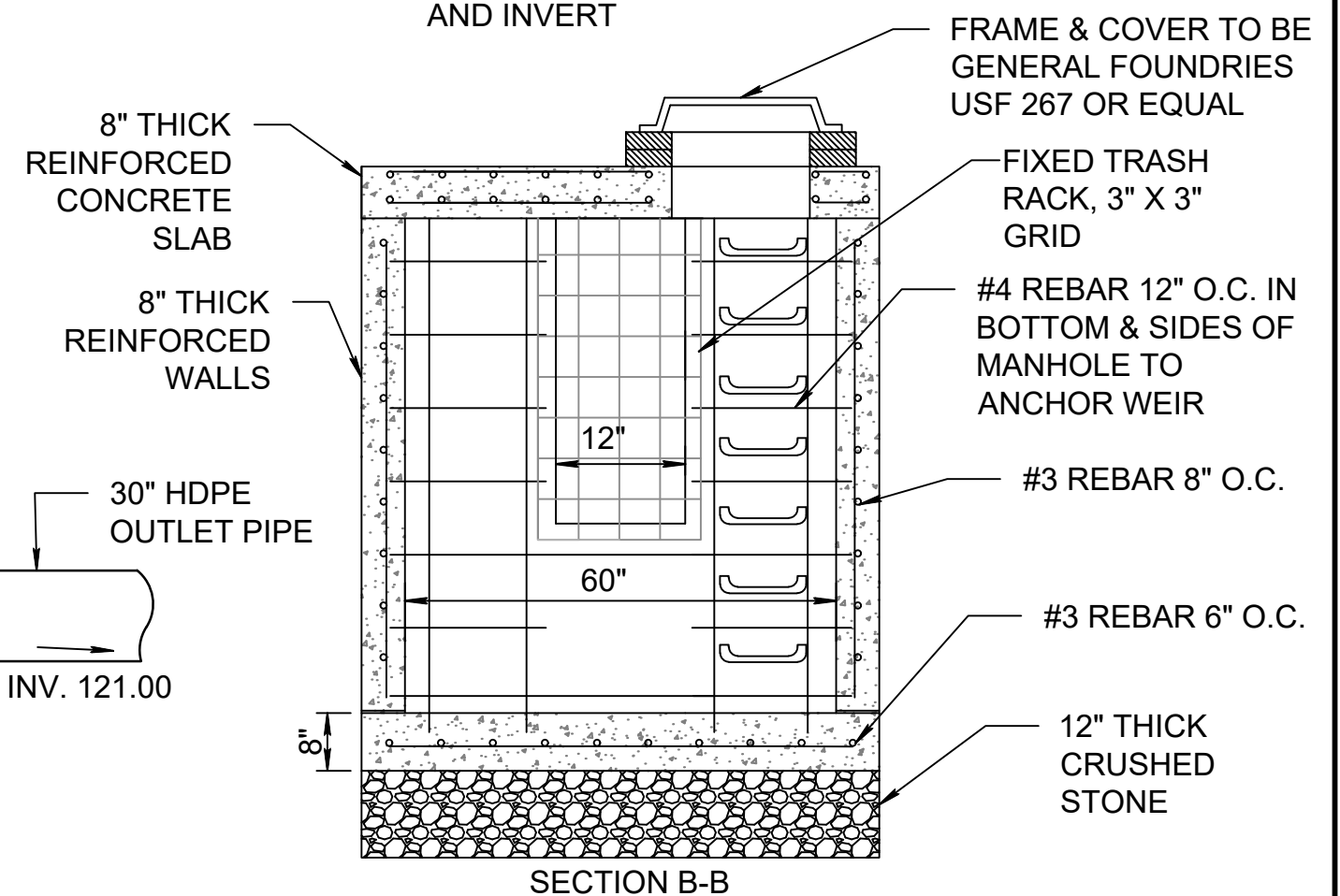
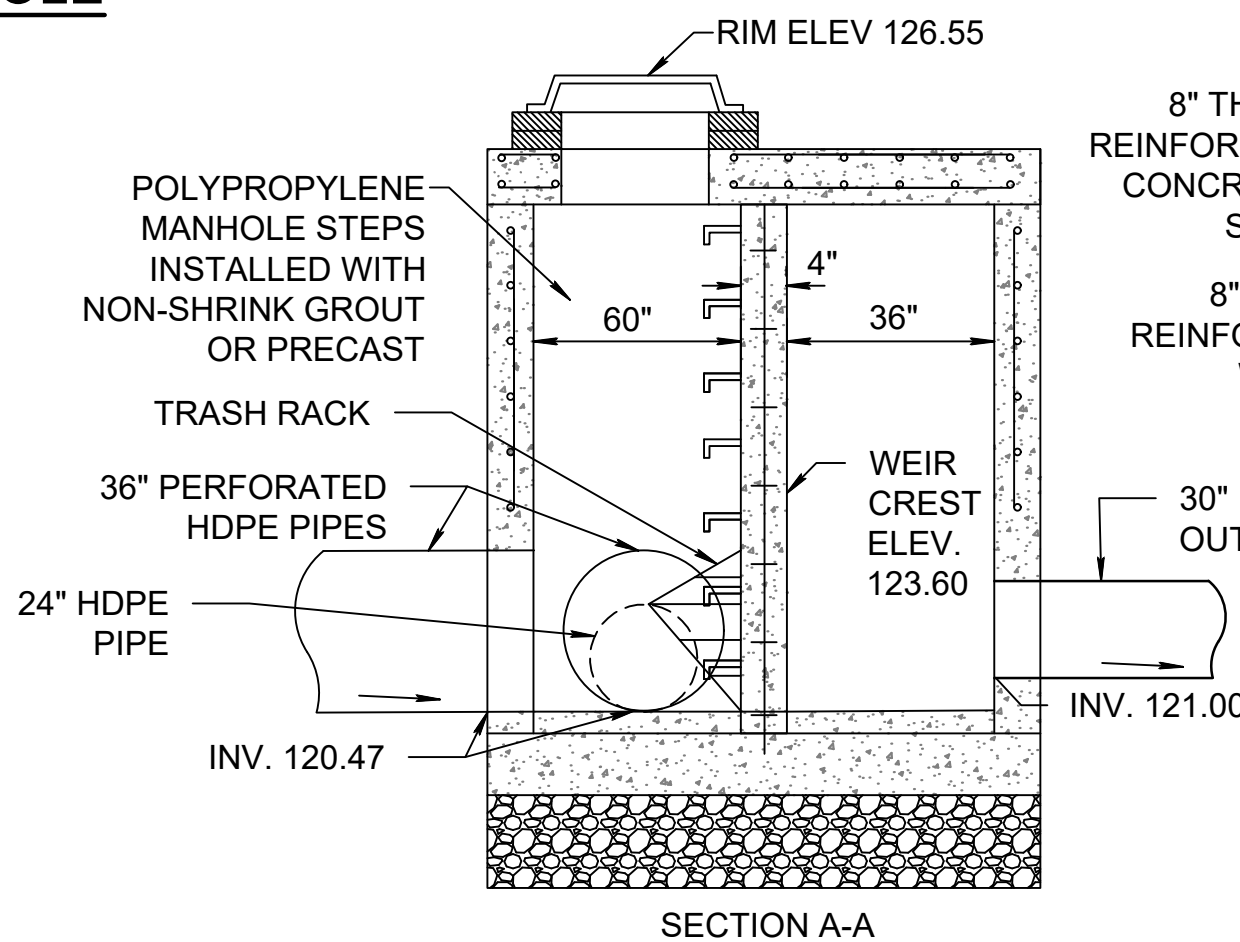
- NOTES:** NOT TO SCALE
1. CONCRETE TO BE 4,000 PSI AT 28 DAYS.
  2. FRAME AND COVER TO BE USF 267 RING AND RV COVER MANUFACTURED BY GENERAL FOUNDRIES OR APPROVED EQUAL.
  3. PROVIDE 3/4" DIAMETER POLY- PROPYLENE LADDER RUNGS 12" O.C.
  4. WHEN ADDITIONAL DEPTH IS SCHEDULED, WALLS BELOW THE DEPTH AT 8'-0" MEASURED FROM THE INLET GUTTER TO INVERT, THE FOUNDATION DIMENSION SHALL BE INCREASED 12" IN WIDTH AND TO 12" IN DEPTH.
  5. SHOP DRAWINGS TO BE PROVIDED FOR APPROVAL OF ENGINEER
  6. FINAL DESIGN OF REINFORCEMENT TO BE COMPLETED BY STRUCTURAL ENGINEER OR MANUFACTURER PER APPLICABLE LOADING REGULATIONS.
- COMPACTED FILL —



$D_o$  = OUTSIDE VERTICAL PIPE DIAMETER

## STORM SEWER PIPE BEDDING

NOT TO SCALE



## OVERFLOW MANHOLE

NOT TO SCALE

OVERFLOW MANHOLE NOTES:

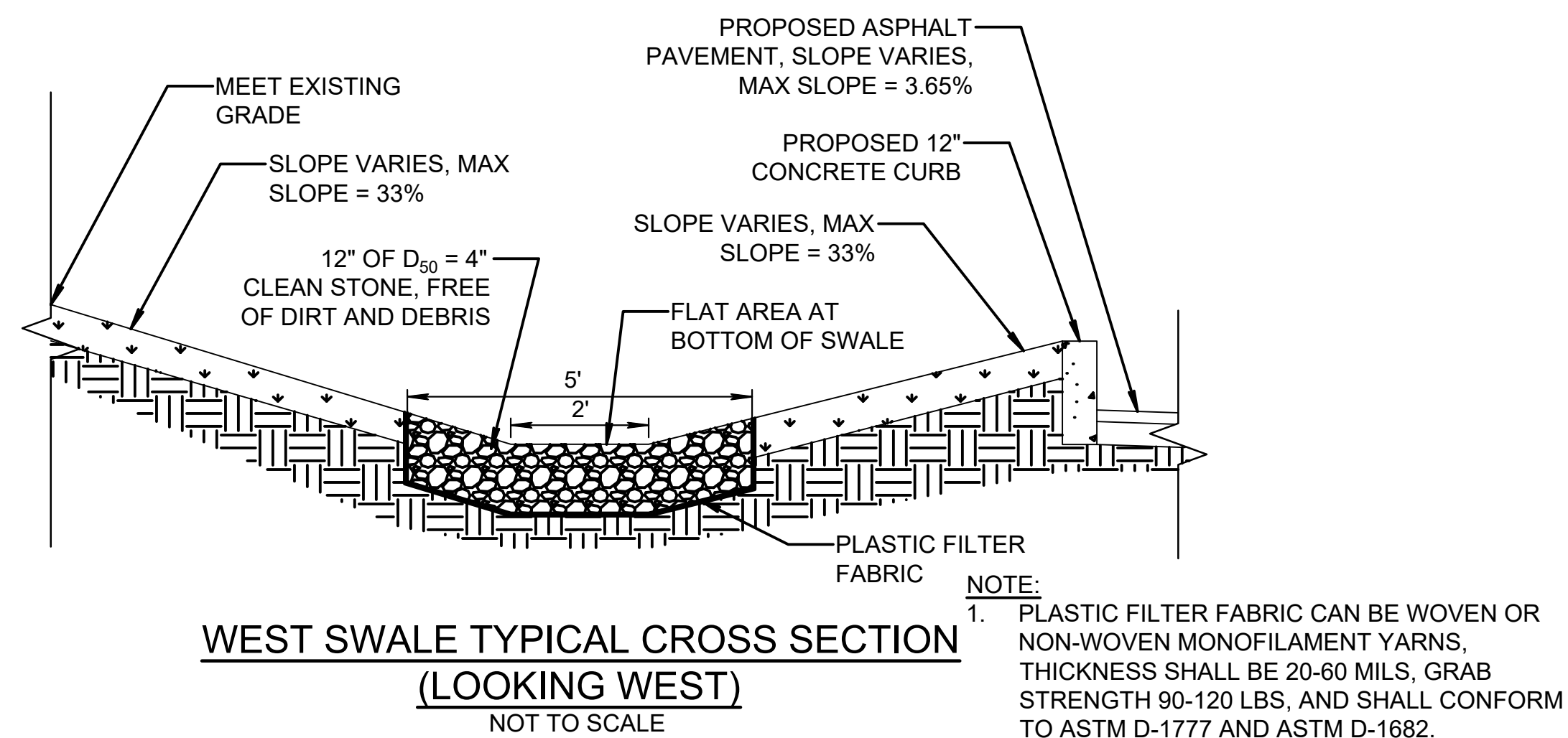
1. CONCRETE TO BE 4,000 PSI AT 28 DAYS.
2. FRAME AND COVER TO BE USF 267 RING AND RV COVER MANUFACTURED BY GENERAL FOUNDRIES OR APPROVED EQUAL.
3. PROVIDE 3/4" DIAMETER POLY- PROPYLENE LADDER RUNGS 12" O.C.
4. WHEN ADDITIONAL DEPTH IS SCHEDULED, WALLS BELOW THE DEPTH AT 8'-0" MEASURED FROM THE INLET GUTTER TO INVERT, SHALL BE THE FOUNDATION DIMENSION SHALL BE INCREASED 12" IN WIDTH AND TO 12" IN DEPTH.
5. SHOP DRAWINGS TO BE PROVIDED FOR APPROVAL OF ENGINEER
6. TRASH RACKS TO BE HOT DIPPED GALVANIZED NO. 3 STEEL REBARS 12" THICK. WITH 1/2" STEEL ANGLE FRAME WITH 3/8" LEAD ANCHOR BOLTS.
7. 1'-6" WIDE X 1'-6" HIGH ORIFICE TRASH RACK 1-1/2" X 1-1/2" O.C.
8. FINAL DESIGN OF REINFORCEMENT TO BE COMPLETED BY STRUCTURAL ENGINEER OR MANUFACTURER PER APPLICABLE LOADING REGULATIONS.

INFILTRATION BASIN DIMENSIONS		
	EAST BASIN IB-1	WEST BASIN IB-2
L	83'	63'
W	101.5'	31.5'
H	5.5'	5.5'
SPACING	18"	18"
ROWS	20	6
PIPE LENGTH	80'	60'

PLAN VIEW

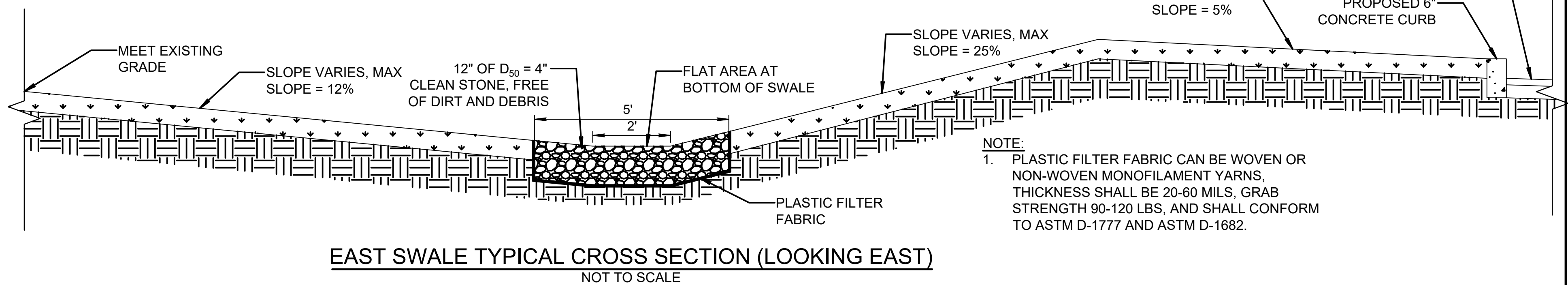
**INFILTRATION BASIN**

NOT TO SCALE



NOTES:

1. AN 8-INCH THICK LAYER OF 3/4 INCH CLEAN STONE SHALL BE PLACED BELOW THE PROPOSED STORM SEWER PIPING UP TO THE SPRING LINE OF THE PIPE TO PROVIDE A UNIFORM BED FOR SUPPORT.
2. BACKFILL MATERIALS AROUND THE SIDES OF THE PIPE AND OVER THE TOP OF THE PIPE FOR A DISTANCE OF AT LEAST 8-INCHES SHOULD CONSIST OF THE APPROVED PORTIONS AND COMPACTED BY HAND. ALL BACKFILL MATERIAL SHALL BE FREE OF STUMPS, BRUSH, WEEDS, ROOTS, RUBBISH, WOOD, AND OTHER MATERIALS THAT MAY DECAY. ABOVE THIS LEVEL, CONTROLLED COMPACTED FILL SHOULD BE PLACED TO ATTAIN THE FINAL DESIGN GRADES. NOTE THAT THE MAJORITY OF THE EXCAVATED SILTY SAND WOULD BE SUITABLE FOR REUSE AS CONTROLLED COMPACTED FILL.
3. ANY IMPORTED FILL MATERIAL REQUIRED TO COMPLETE THE BACKFILL OPERATIONS SHOULD CONSIST OF RELATIVELY WELL-GRADED GRANULAR SOILS CONTAINING LESS THAN 15% BY WEIGHT PASSING A U.S. STANDARD NO. 200 SIEVE AND HAVING A MAXIMUM PARTICLE SIZE OF 3-INCHES. ALL BACKFILL SHOULD BE PLACED IN LAYERS ON THE ORDER OF 8-INCHES IN LOOSE THICKNESS AND UNIFORMLY COMPACTED USING VIBRATORY COMPACTION EQUIPMENT TO AT LEAST 92% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM D-1557 TEST PROCEDURE. IN ADDITION, THE UPPER 3 FEET OF BACKFILL BELOW ROADWAYS, SIDEWALKS, AND OTHER STRUCTURAL AREAS SHOULD BE COMPACTED WITH A HEAVY VIBRATING DRUM COMPACTOR TO AT LEAST 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM D-1557 TEST PROCEDURE.



### EAST SWALE TYPICAL CROSS SECTION (LOOKING EAST)

NOT TO SCALE

		CONFORMED			
<i>NO.</i>	<i>DATE</i>		<i>DRWN</i>	<i>CHKD</i>	<i>APPVD</i>
<i>REVISIONS</i>					

**AECOM**  
MATRIX**NEW**WORLD  
Engineering Progress



**TITLE**  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

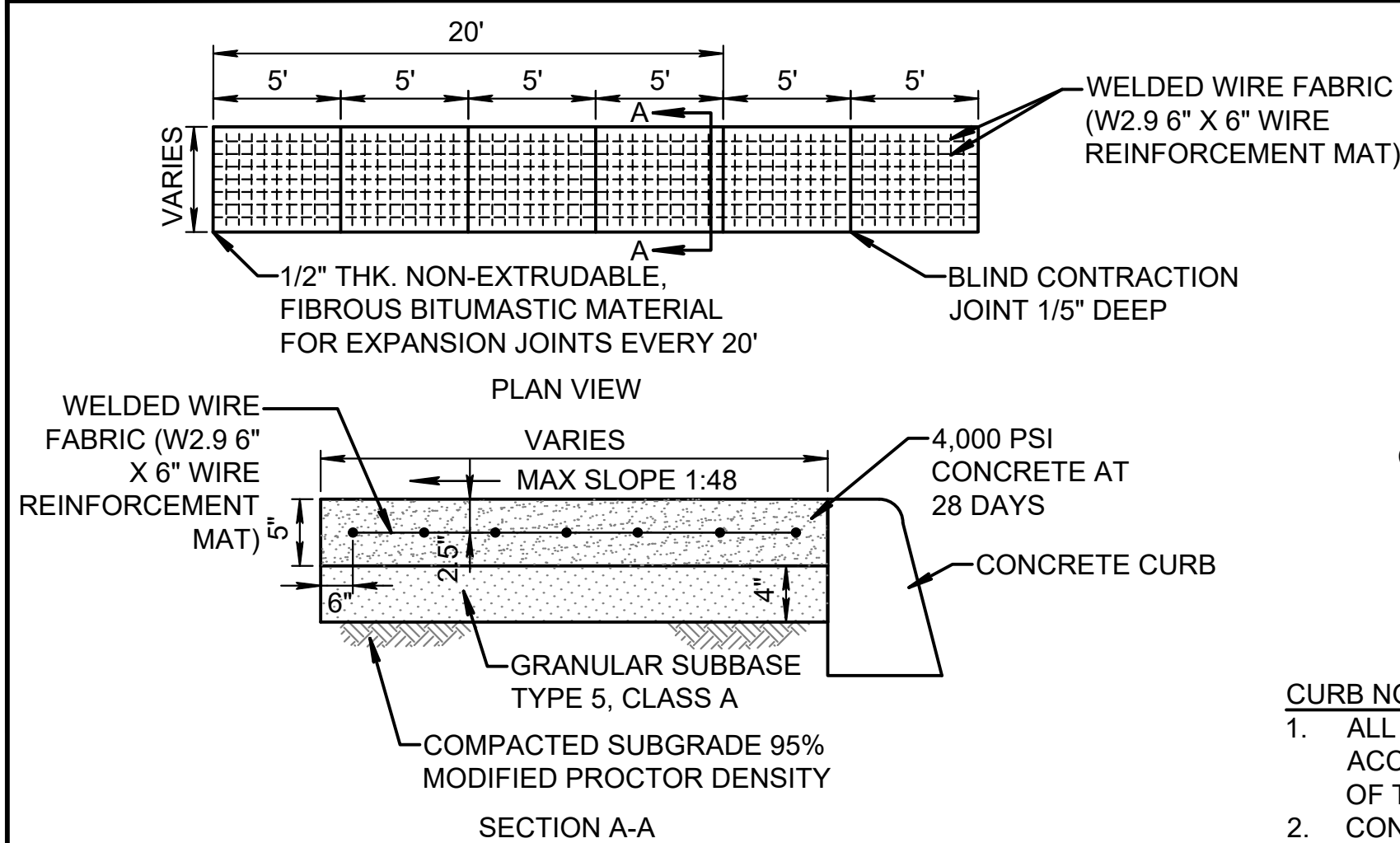
CONSTRUCTION DETAILS  
2 OF 5

<p><i>CONTRACT NO.</i> 142486</p>
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SCALE	DATE
AS SHOWN	08-21-2020

DRAWING NO.  
C-502

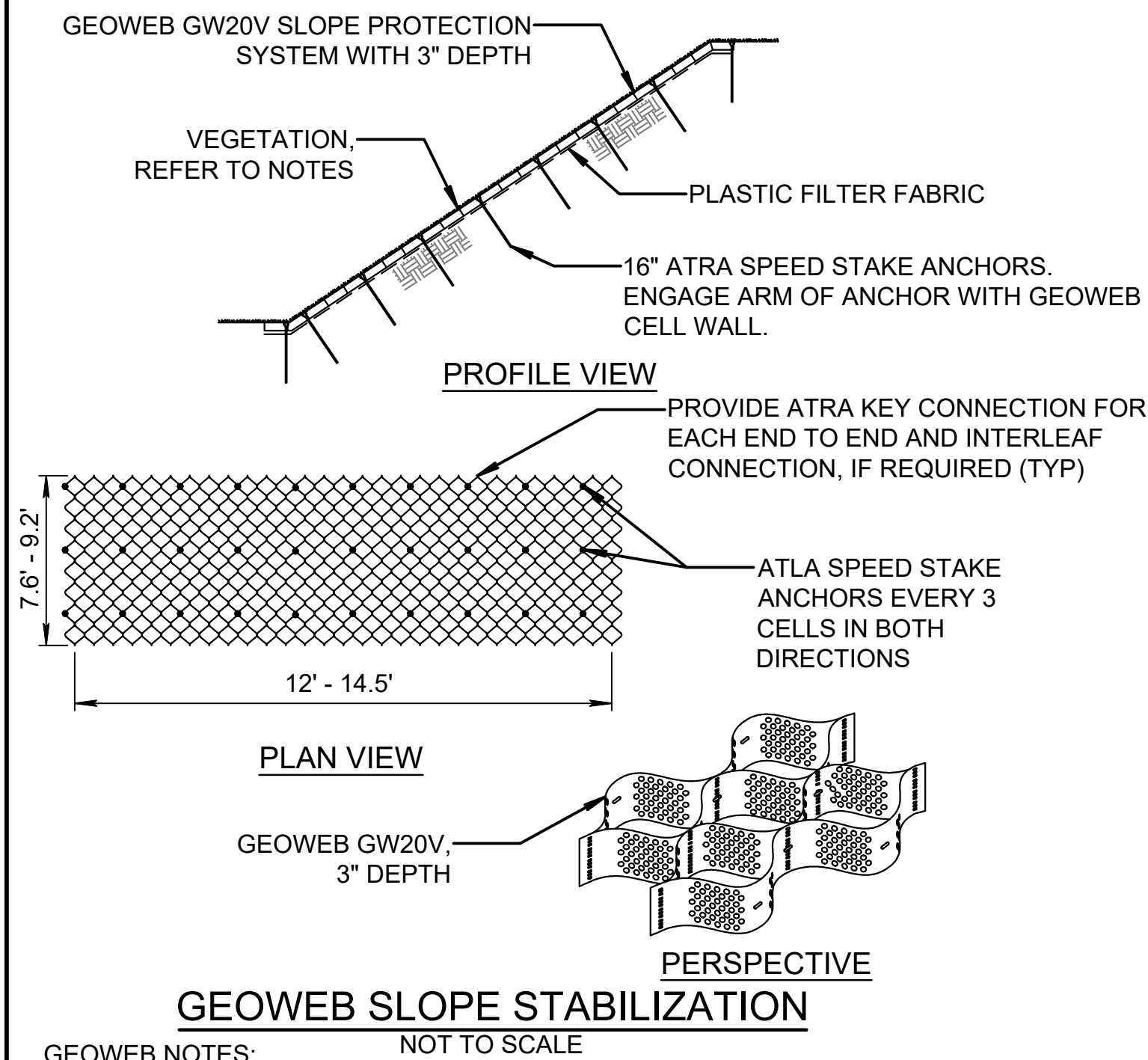




### CONCRETE SIDEWALK

NOT TO SCALE

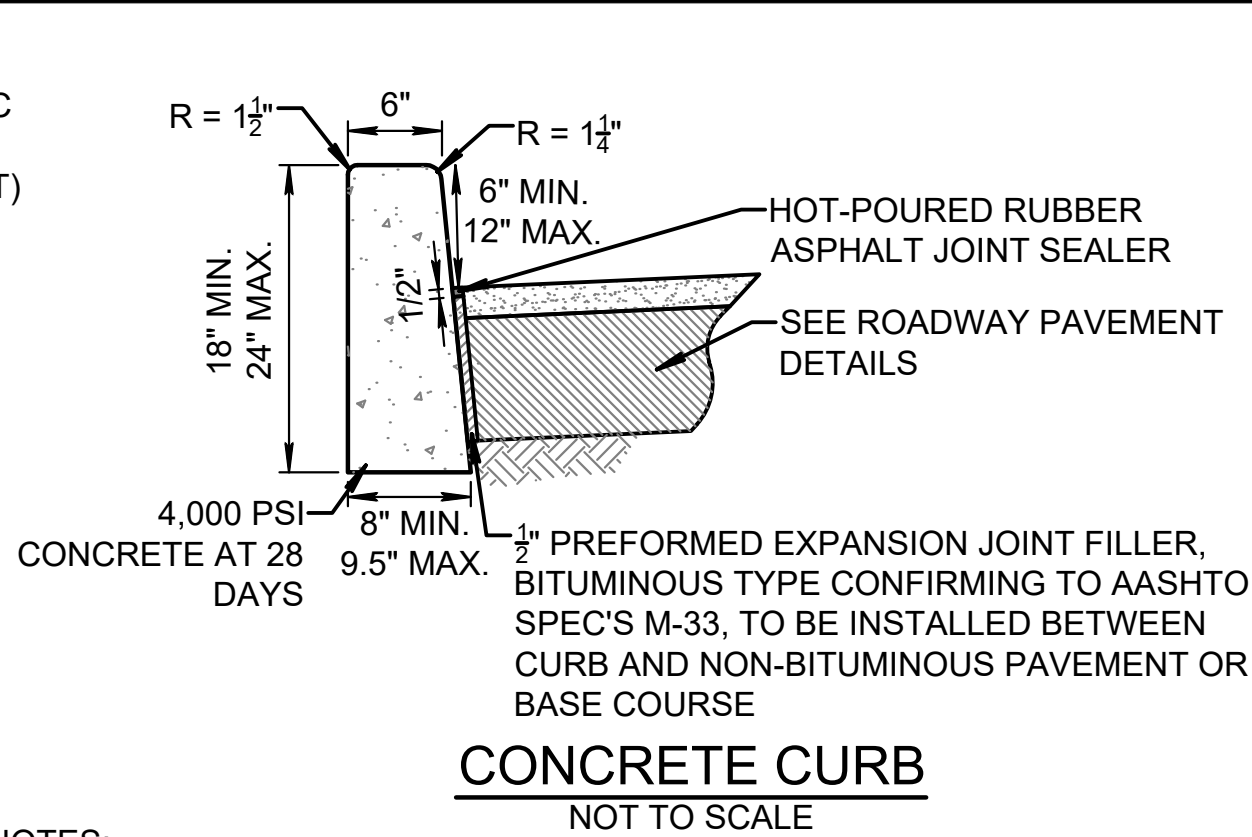
- SIDEWALK NOTES:**
1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSOT) STANDARD SPECIFICATIONS.
  2. CONCRETE TO BE 4,000 PSI AT 28 DAYS.
  3. ALL CONCRETE WORK SHALL BE DONE BEFORE INITIAL SET USING A STEEL OR BARN BROOM. ALL JOINTS AND EDGES SHALL BE TOOLED AND ROUNDED.
  4. WHEN SIDEWALK ABUTS CURB OR SIDEWALK, 1/2" THICK NON-EXTRUDABLE, FIBROUS BITUMASTIC EXPANSION JOINTS IS REQUIRED.



### GEOWEB SLOPE STABILIZATION

NOT TO SCALE

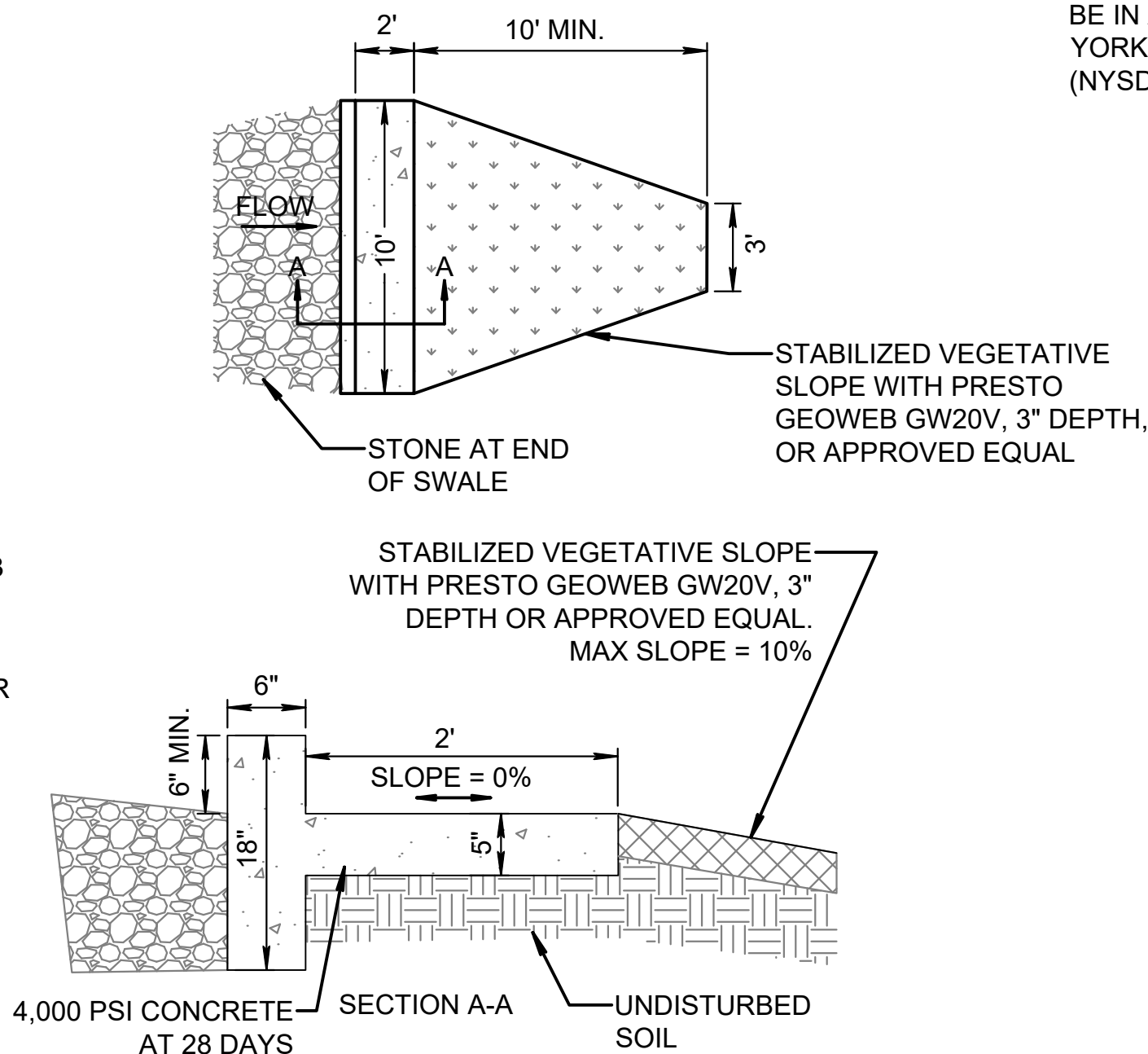
- GEOWEB NOTES:**
1. GEOWEB SLOPE STABILIZATION TO BE GEOWEB GW20V CELLS MANUFACTURED BY PRESTO GEOSYSTEMS, OR APPROVED EQUAL.
  2. POSITION THE ATRA ANCHOR NEXT TO THE UP-SLOPE CELL WALL. DRIVE ATRA ANCHOR INTO THE GROUND UNTIL ARM OF ANCHOR IS LOCATED ABOVE GEOWEB CELL WALL. ENGAGE ARM OF ANCHOR TO CELL WALL AND DRIVE UNTIL TIGHT.
  3. THE GEOWEB CELLS SHALL BE FILLED WITH TOPSOIL AND SHALL BE SUITABLE TO WITHSTAND HYDRAULIC CONDITIONS.
  4. IF VEGETATION IS DESIRED, PROVIDE AN EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT IF THERE IS A POTENTIAL FOR EROSION PRIOR TO ESTABLISHING VEGETATION.
  5. PLASTIC FILTER FABRIC CAN BE WOVEN OR NON-WOVEN MONOFILAMENT YARNS. THICKNESS SHALL BE 20-60 MILS, GRAB STRENGTH 90-120 LBS, AND SHALL CONFORM TO ASTM D-1777 AND ASTM D-1682



### CONCRETE CURB

NOT TO SCALE

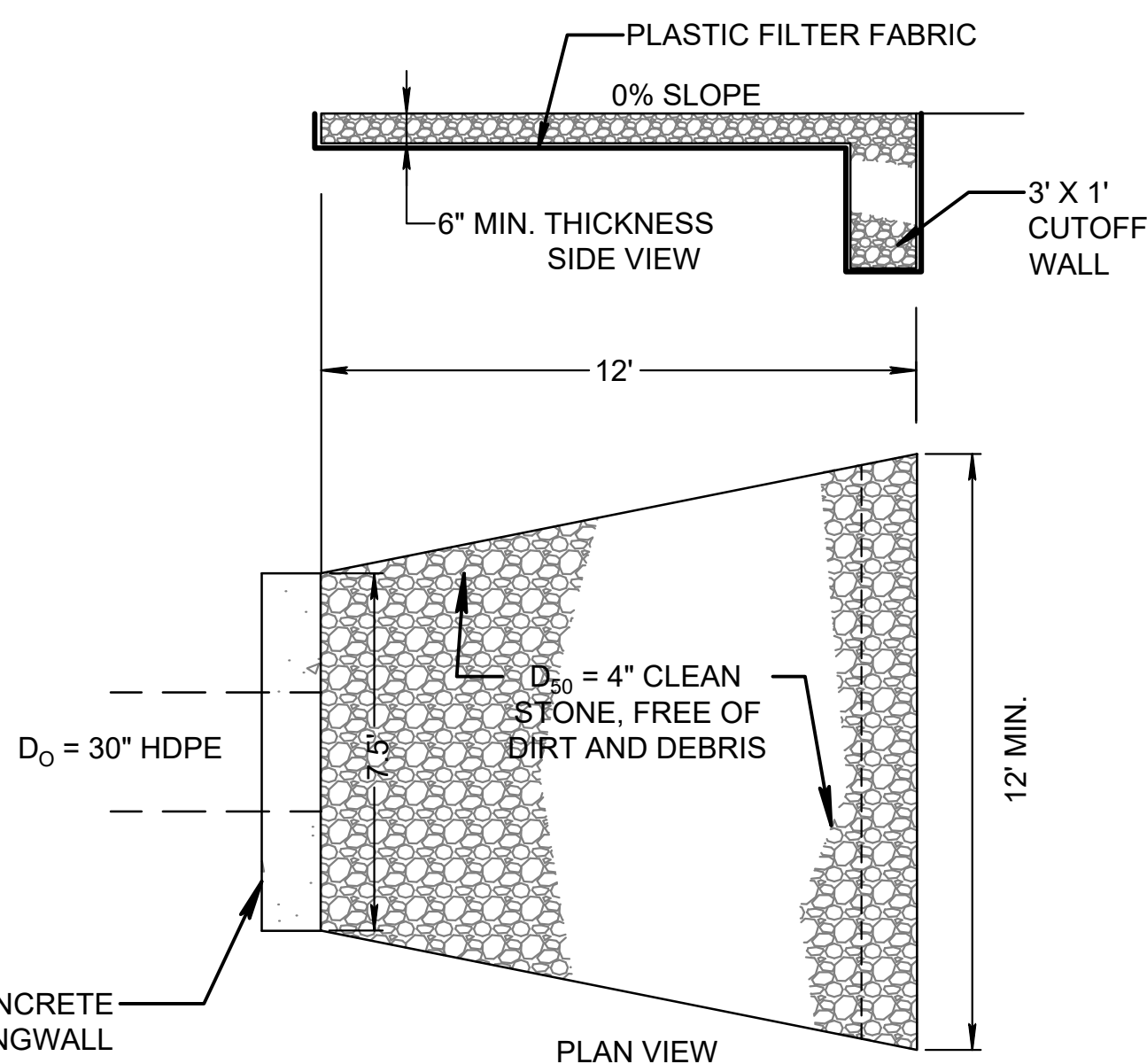
- CURB NOTES:**
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSOT) STANDARD SPECIFICATIONS.
  2. CONCRETE TO BE 4,000 PSI AT 28 DAYS.
  3. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED, BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213, RECESSED 1/4" FROM THE FRONT FACE AND TOP OF THE CURB.
  4. DUMMY JOINTS (FORMED) SHALL BE INSTALLED MIDWAY BETWEEN EXPANSION JOINTS.
  5. WIDTH OF JOINT FILLER STRIP EQUAL TO THE THICKNESS OF THE PAVEMENT LESS 1/2"



### CONCRETE FLOW LEVEL SPREADER

NOT TO SCALE

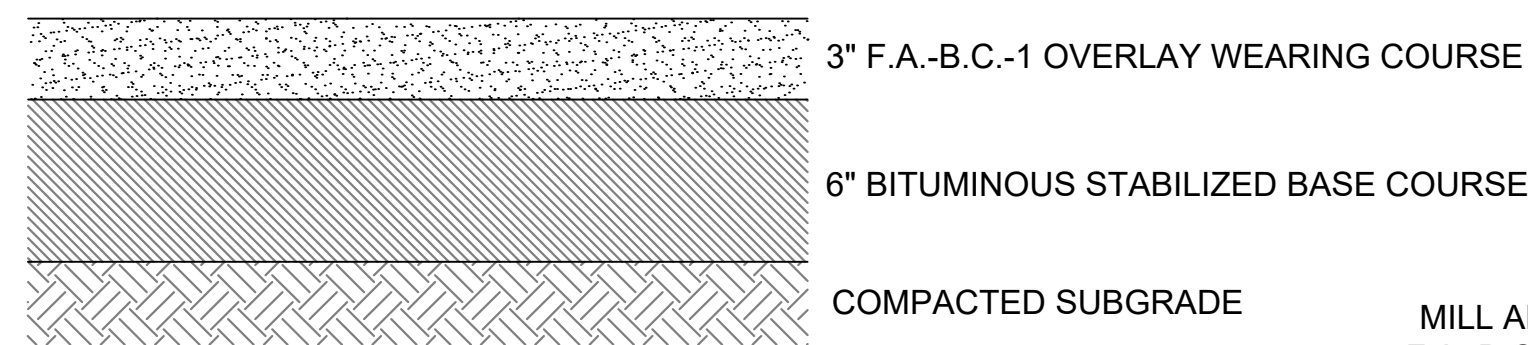
- NOTES:**
1. ENSURE THAT THE WEIR IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
  2. THE WEIR SHALL BE PLACED IN UNDISTURBED SOIL NOT FILL.
  3. THE RUNOFF DISCHARGE WILL BE OUTLETED ONTO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%.
  4. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.



### BASIN OVERFLOW RIP-RAP APRON

NOT TO SCALE

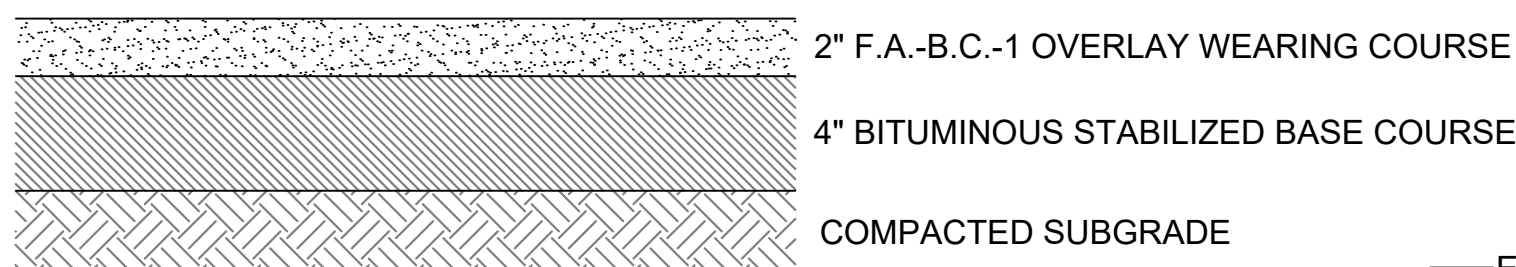
- NOTE:**
1. PLASTIC FILTER FABRIC CAN BE WOVEN OR NON-WOVEN MONOFILAMENT YARNS, THICKNESS SHALL BE 20-60 MILS, GRAB STRENGTH 90-120 LBS, AND SHALL CONFORM TO ASTM D-1777 AND ASTM D-1682.



### ROADWAY PAVEMENT

NOT TO SCALE

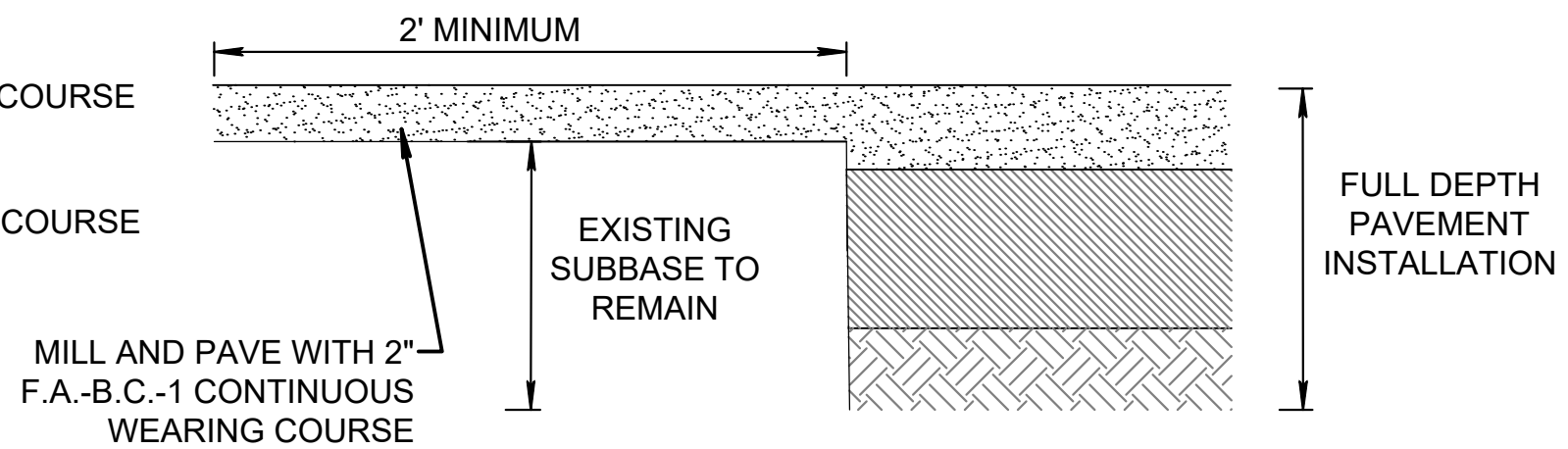
- NOTES:**
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSOT) STANDARD SPECIFICATIONS.



### PARKING LOT PAVEMENT

NOT TO SCALE

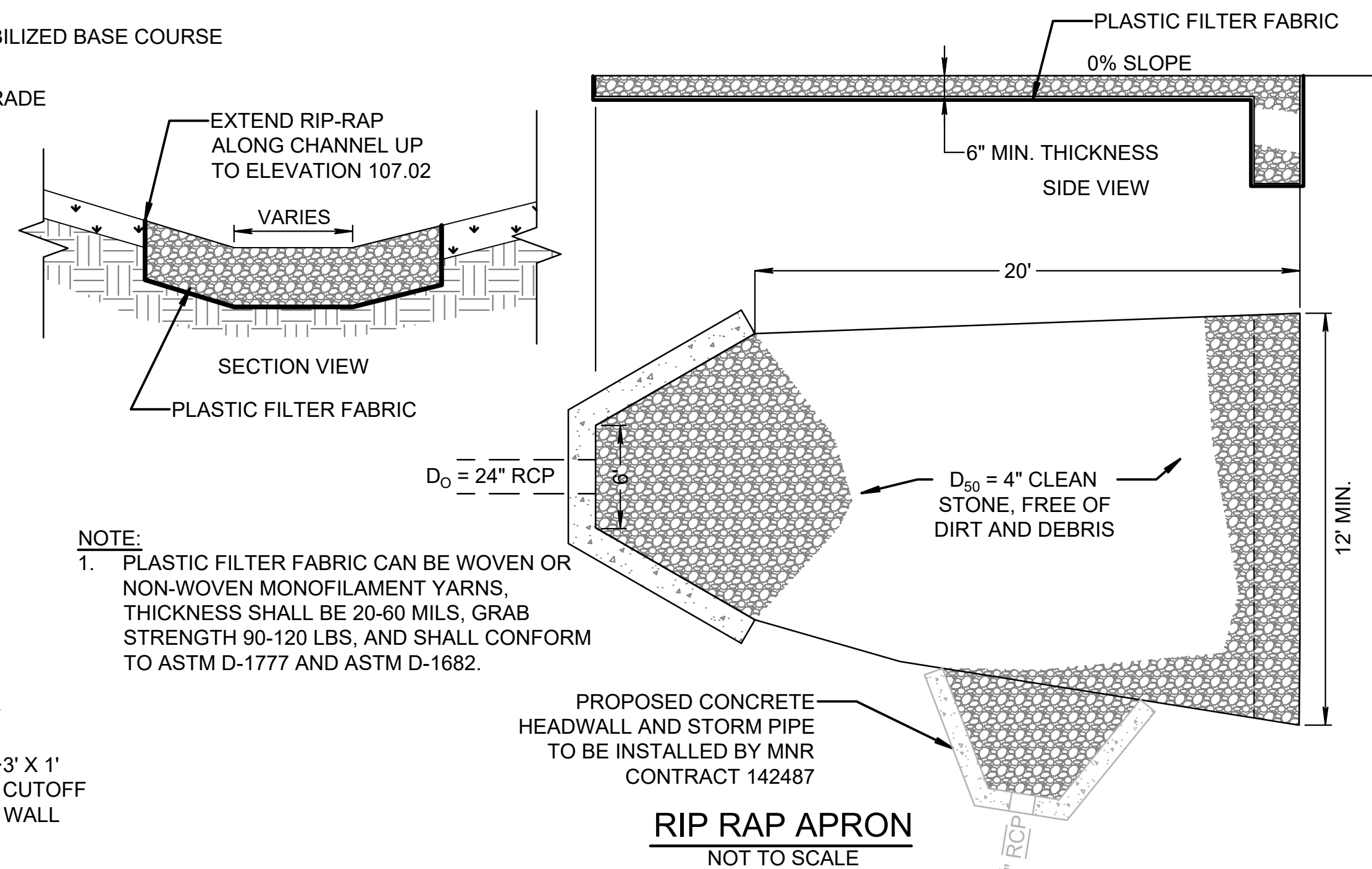
- NOTES:**
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSOT) STANDARD SPECIFICATIONS.



### ROADWAY PAVEMENT RESTORATION

NOT TO SCALE

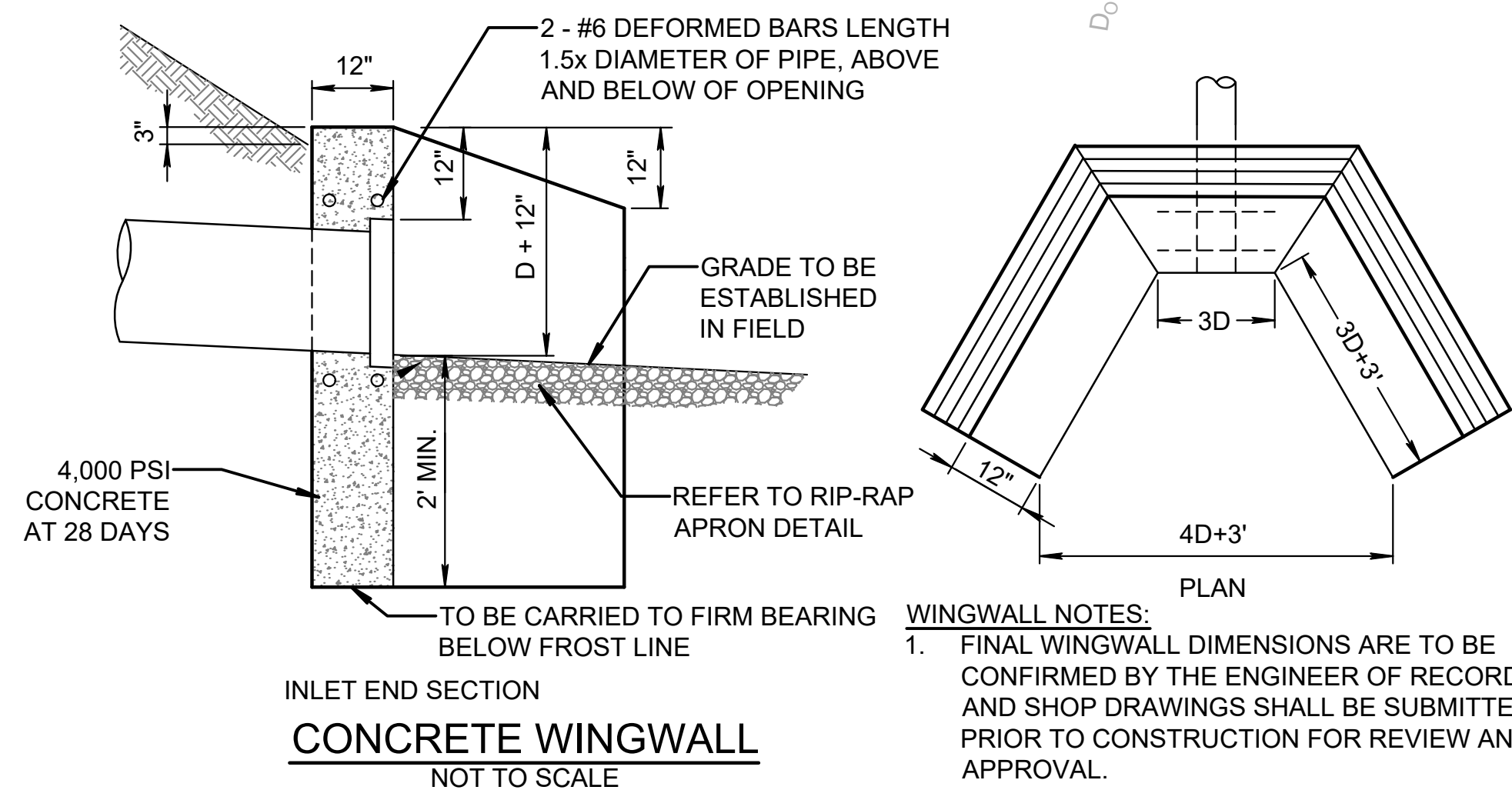
- NOTES:**
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSOT) STANDARD SPECIFICATIONS.



### RIP RAP APRON

NOT TO SCALE

- NOTE:**
1. PLASTIC FILTER FABRIC CAN BE WOVEN OR NON-WOVEN MONOFILAMENT YARNS, THICKNESS SHALL BE 20-60 MILS, GRAB STRENGTH 90-120 LBS, AND SHALL CONFORM TO ASTM D-1777 AND ASTM D-1682.



### CONCRETE WINGWALL

NOT TO SCALE

- WINGWALL NOTES:**
1. FINAL WINGWALL DIMENSIONS ARE TO BE CONFIRMED BY THE ENGINEER OF RECORD AND SHOP DRAWINGS SHALL BE SUBMITTED PRIOR TO CONSTRUCTION FOR REVIEW AND APPROVAL.
  2. ALL EDGES TO BE CHAMFERED 1".

DESIGNED S. FUNG	
DRAWN S. FUNG	
CHECKED D. RYAN	
APPROVED A. OSMAN	

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CONFORMED				
NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

**AECOM**  
MATRIXNEWORLD  
Engineering Progress

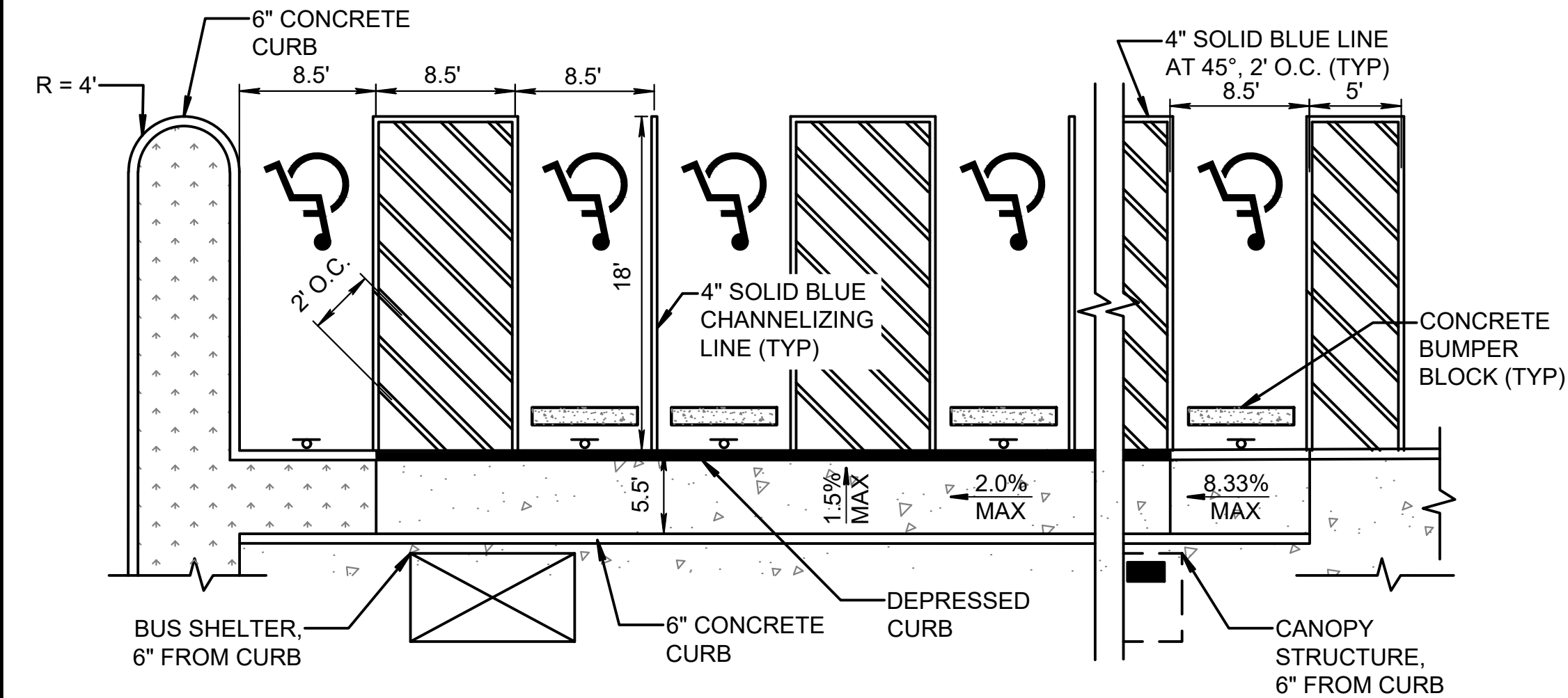
**MTA** Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

CONSTRUCTION DETAILS  
3 OF 5

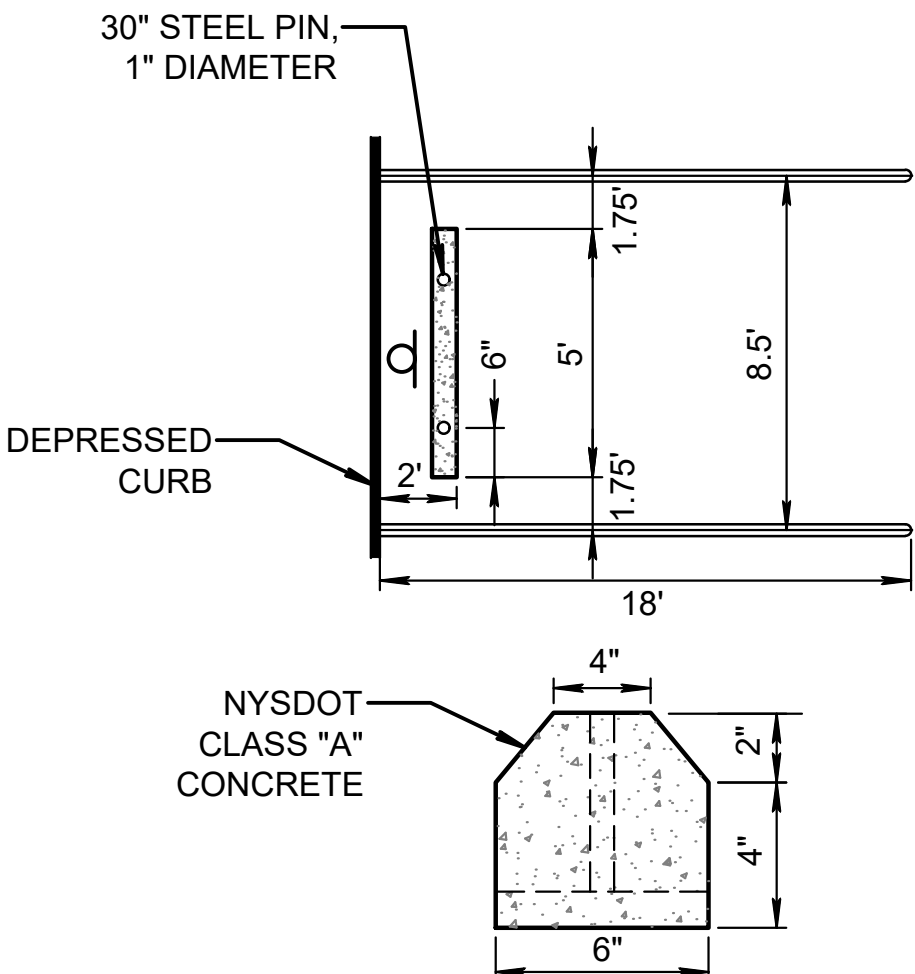
CONTRACT No. 142486	
SCALE AS SHOWN	DATE 03-03-2021
DRAWING No. C-503	
SHEET 30 OF 105	





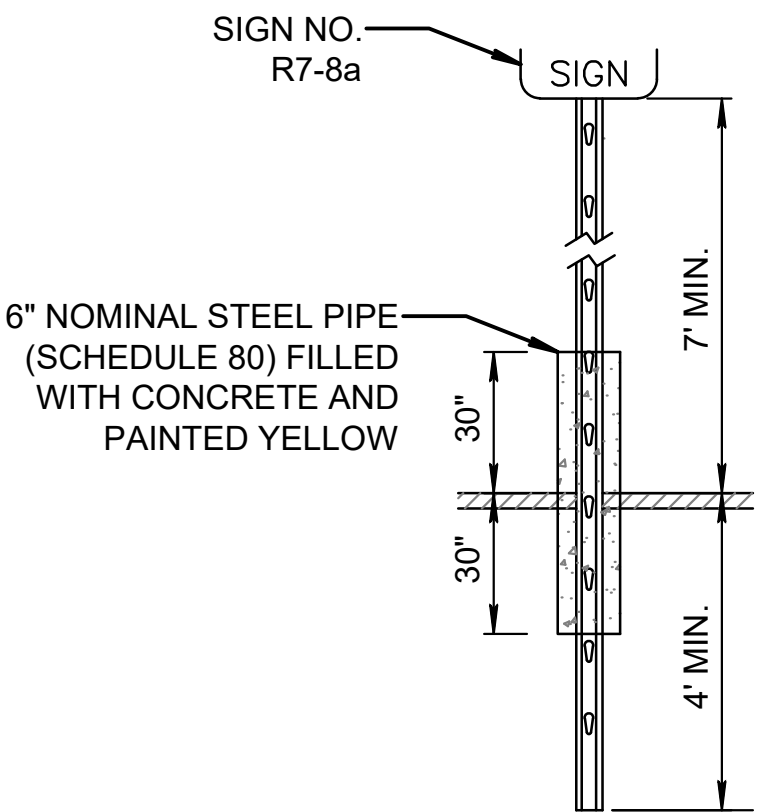
ADA PARKING LAYOUT - ADJACENT TO BUS SHELTER  
NOT TO SCALE

- NOTES:
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS.
  2. REFER TO DRAWING C-301 FOR SIGN PLACEMENT. REFER TO C-520 SERIES AND C-530 FOR SIGN DETAILS.

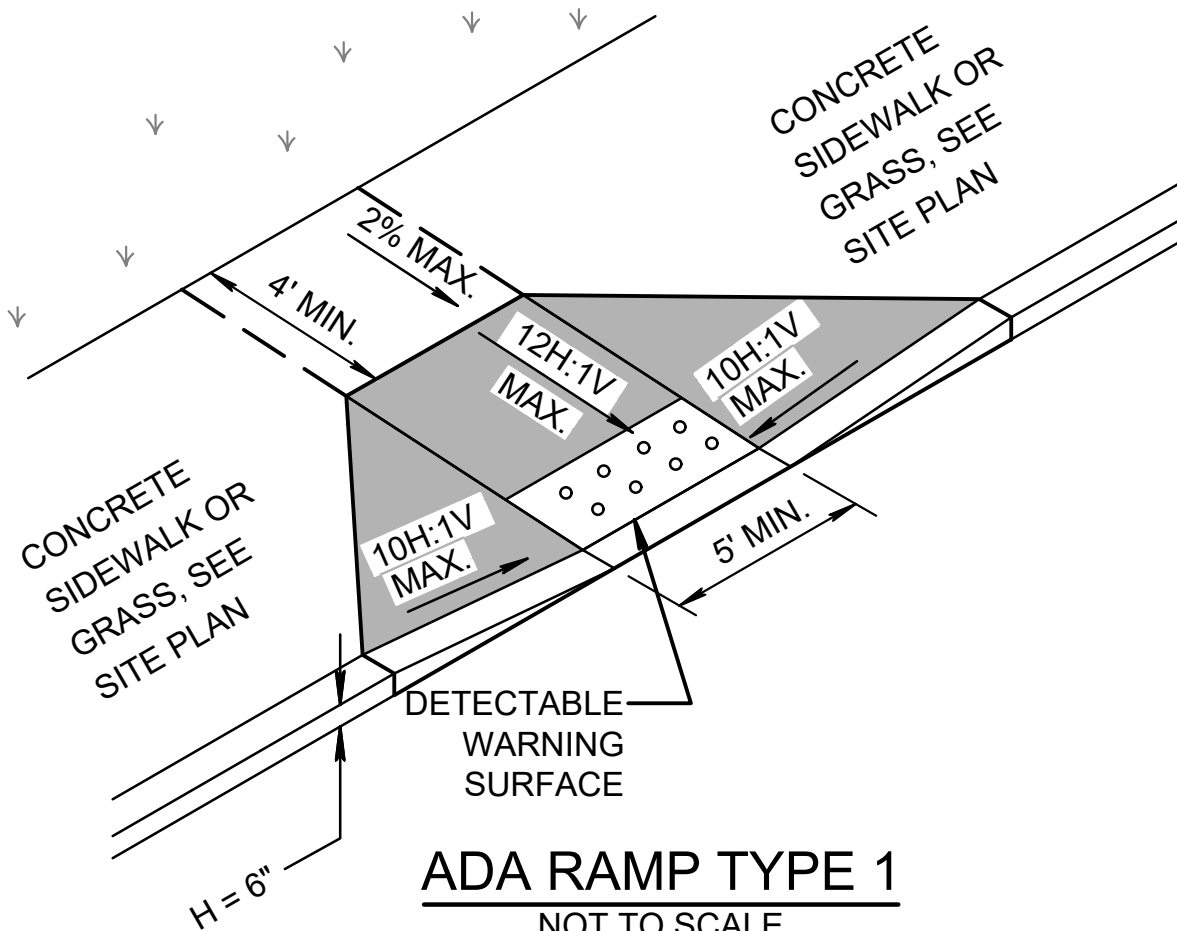


CONCRETE BUMPER BLOCK  
NOT TO SCALE

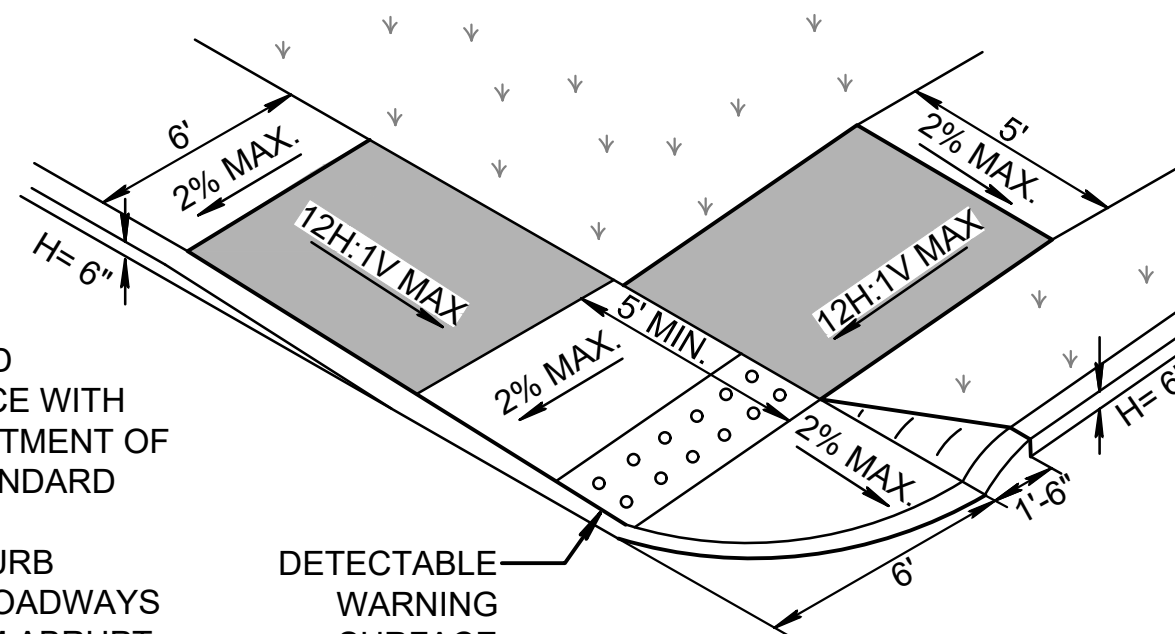
- NOTES:
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS.



PARKING STALL SIGN POST  
NOT TO SCALE

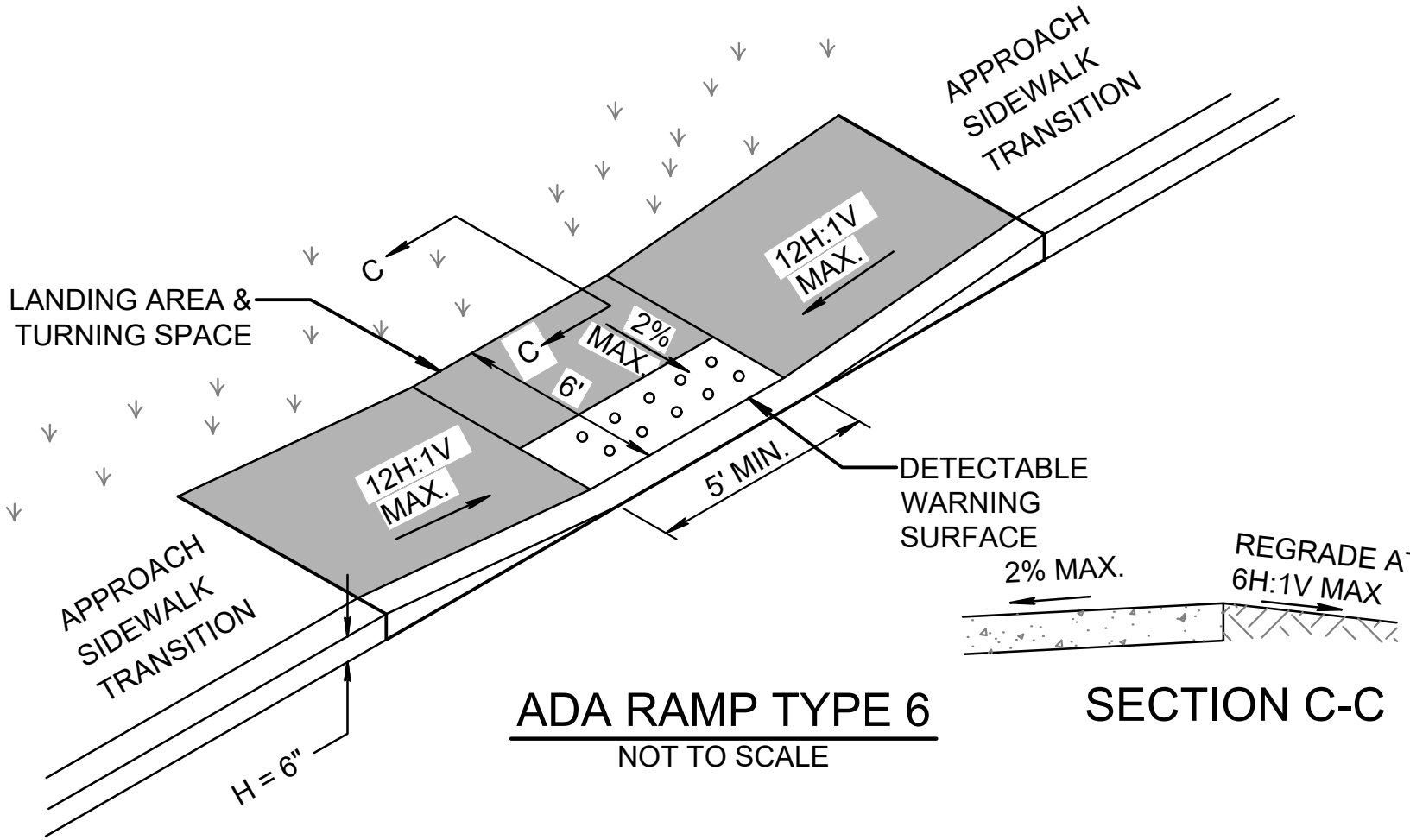


ADA RAMP TYPE 1  
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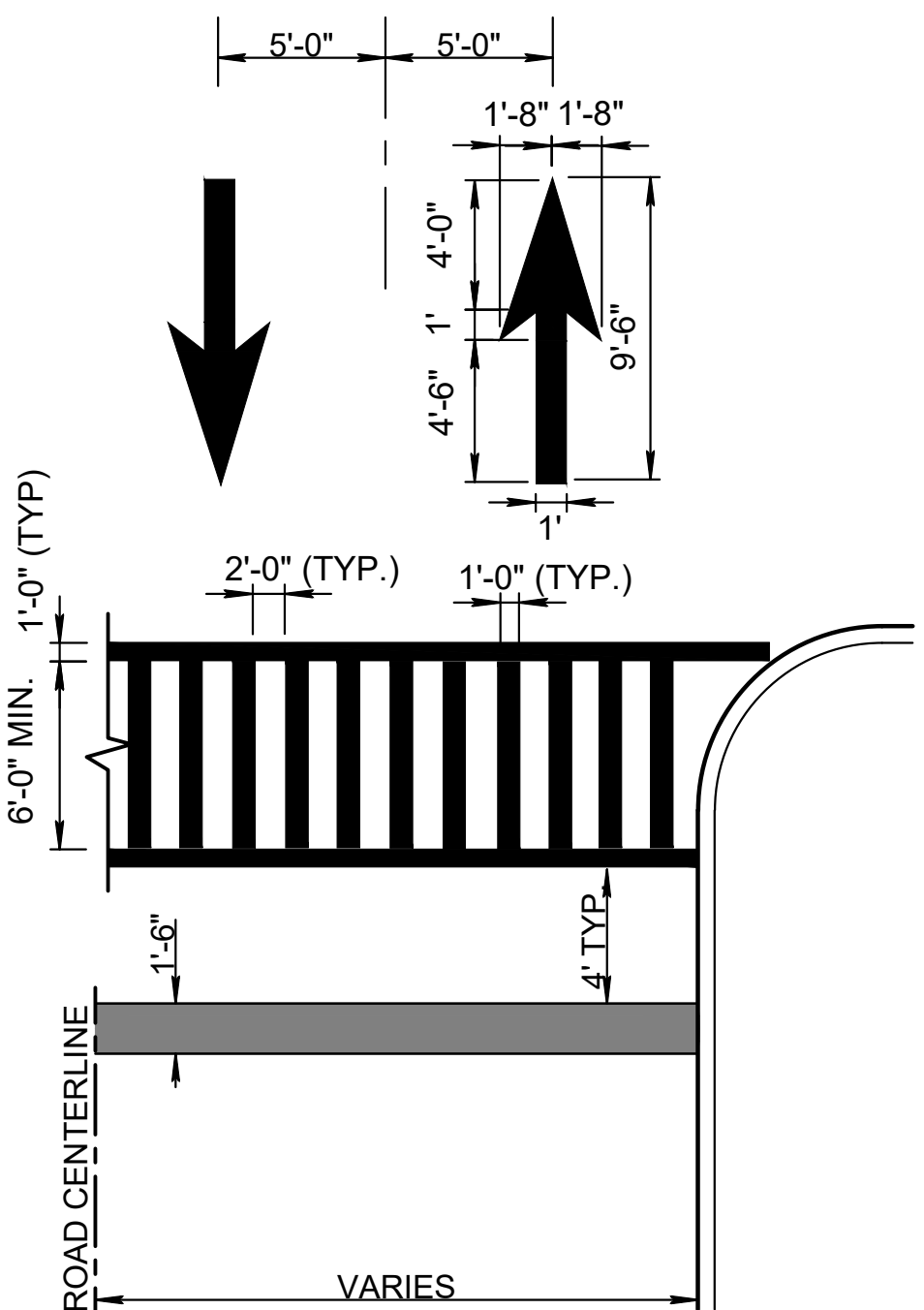
ADA RAMP TYPE 3  
NOT TO SCALE

- ADA RAMP NOTES:
1. ALL WORKMANSHIP, METHOD AND MATERIALS TO BE IN ACCORDANCE WITH THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS.
  2. JOINTS BETWEEN SIDEWALKS, CURB RAMPS, TURNING SPACES AND ROADWAYS SHALL BE FLUSH AND FREE FROM ABRUPT VERTICAL CHANGES GREATER THAN 1/4". VERTICAL SURFACE DISCONTINUES BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. THE BEVEL SHALL BE APPLIED ACROSS THE ENTIRE JOINT.

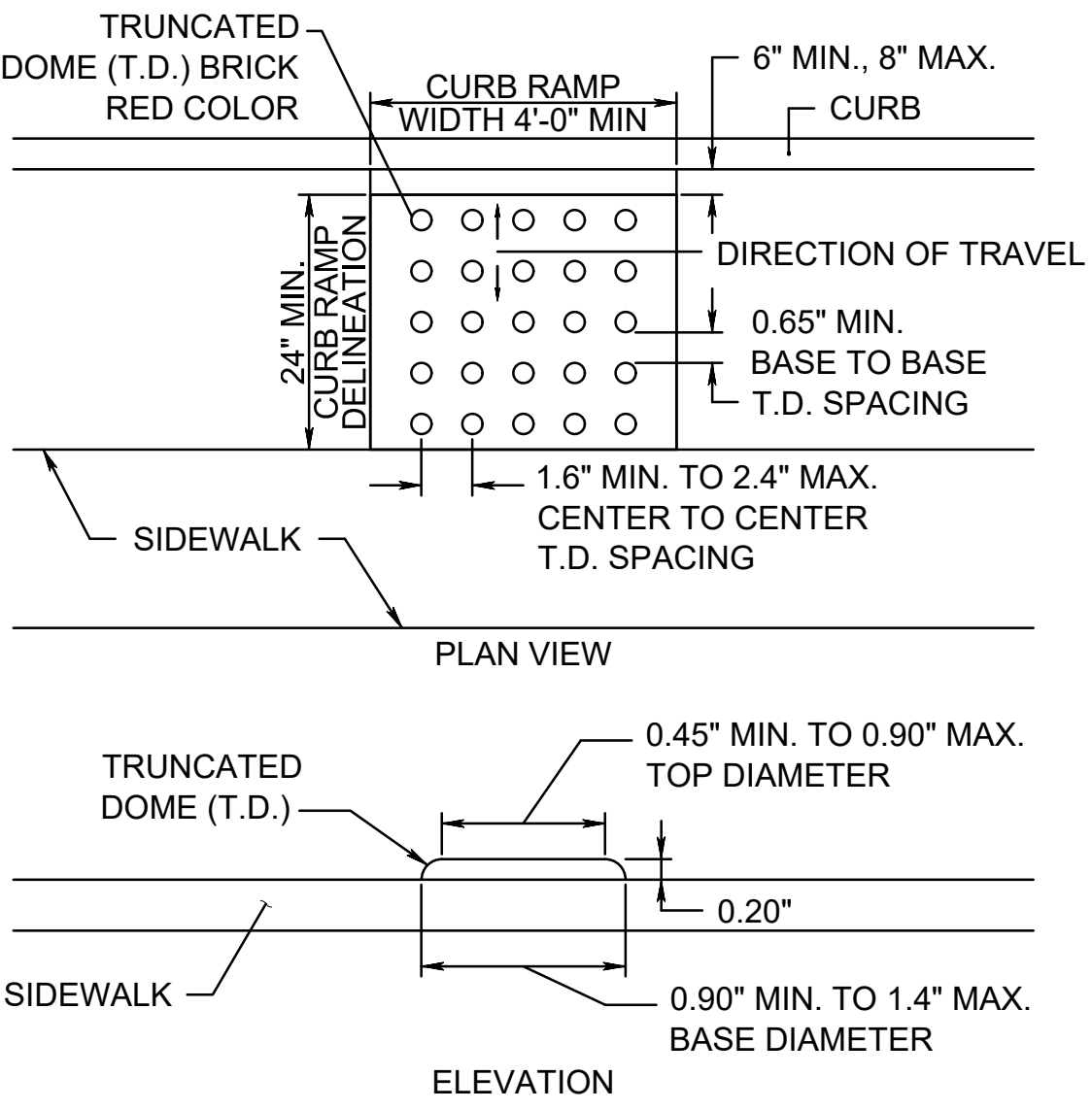


ADA RAMP TYPE 6  
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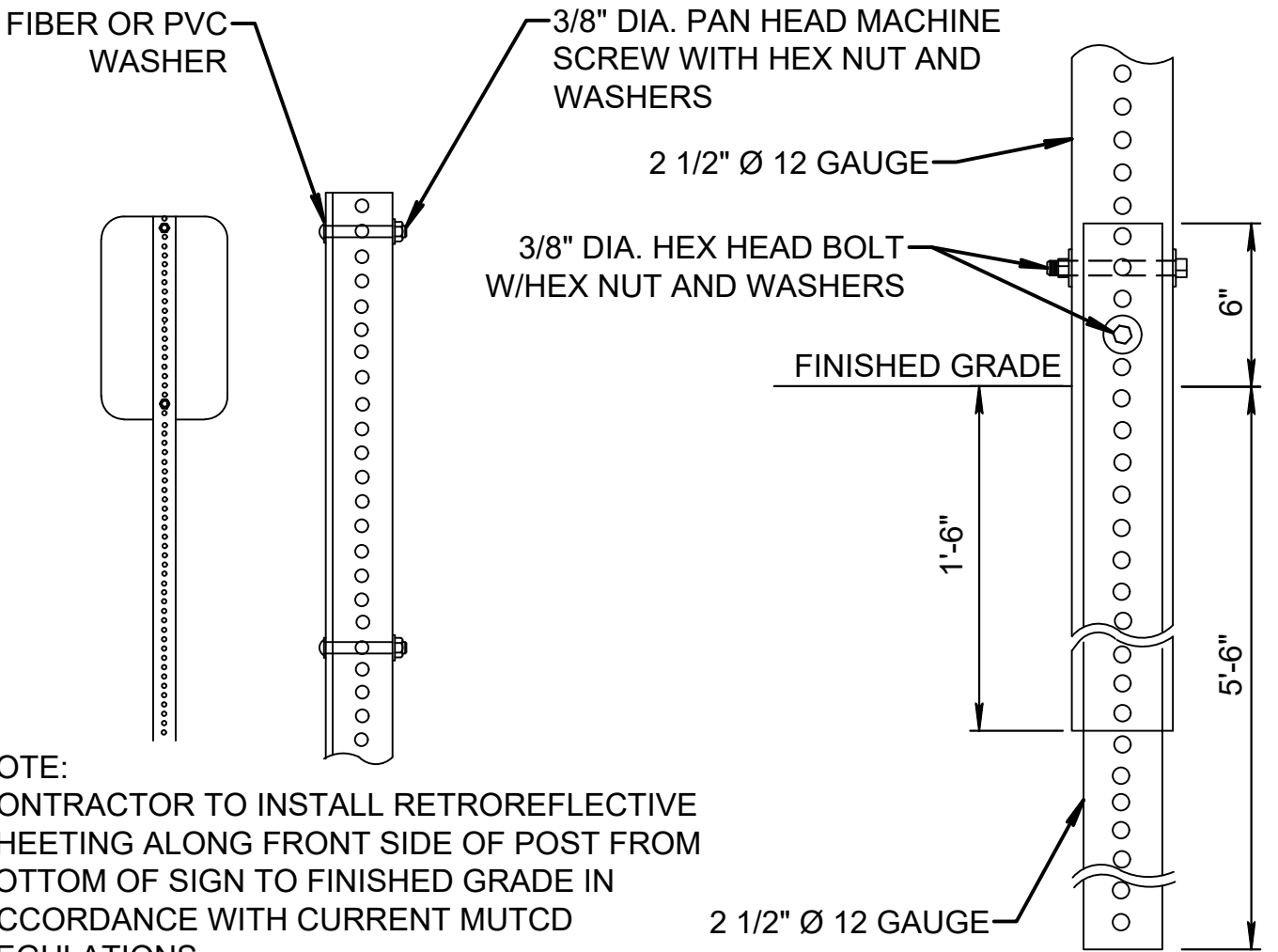
SECTION C-C



PAVEMENT MARKINGS  
NOT TO SCALE



DETECTABLE WARNING SURFACE  
NOT TO SCALE



SIGN PANEL ATTACHMENT  
NOT TO SCALE

BREAKAWAY SIGN POST  
NOT TO SCALE

NOTE:  
CONTRACTOR TO INSTALL RETROREFLECTIVE SHEETING ALONG FRONT SIDE OF POST FROM BOTTOM OF SIGN TO FINISHED GRADE IN ACCORDANCE WITH CURRENT MUTCD REGULATIONS.

CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

**AECOM**  
MATRIXNEWORLD  
Engineering Progress

**MTA** Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
CONSTRUCTION DETAILS  
4 OF 5

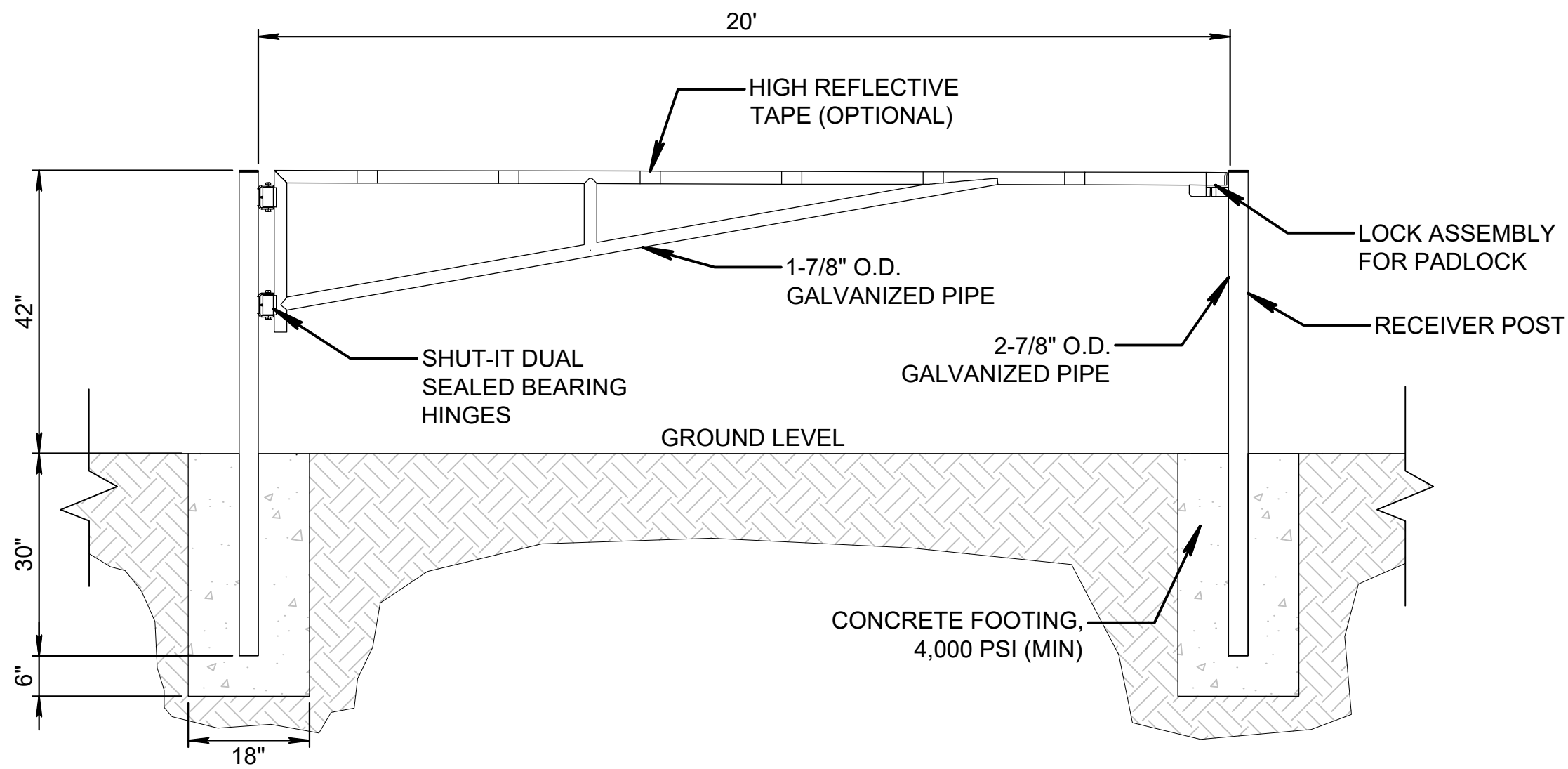
CONTRACT NO.  
142486  
SCALE  
AS SHOWN  
DATE  
08-21-2020  
DRAWING NO.  
C-504  
SHEET 31 OF 105

DESIGNED  
S. FUNG  
DRAWN  
S. FUNG  
CHECKED  
D. RYAN  
APPROVED  
A. OSMAN



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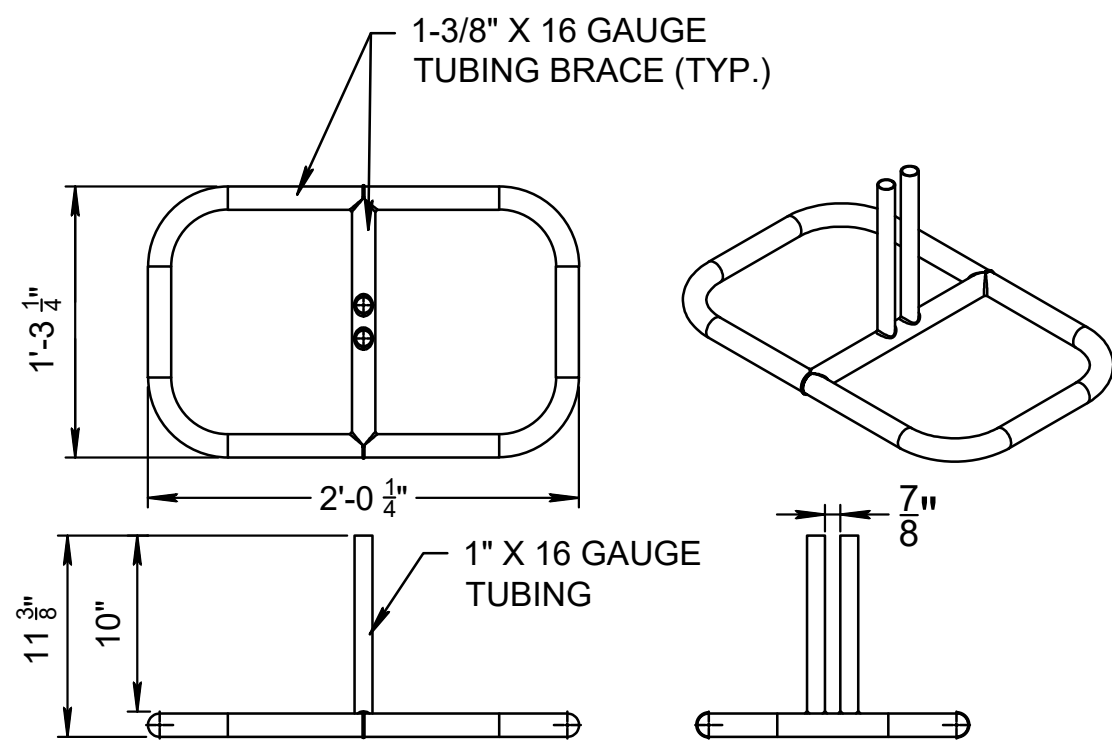




**20' WIDE SINGLE SWING BARRIER GATE**  
NOT TO SCALE

**GATE NOTES:**

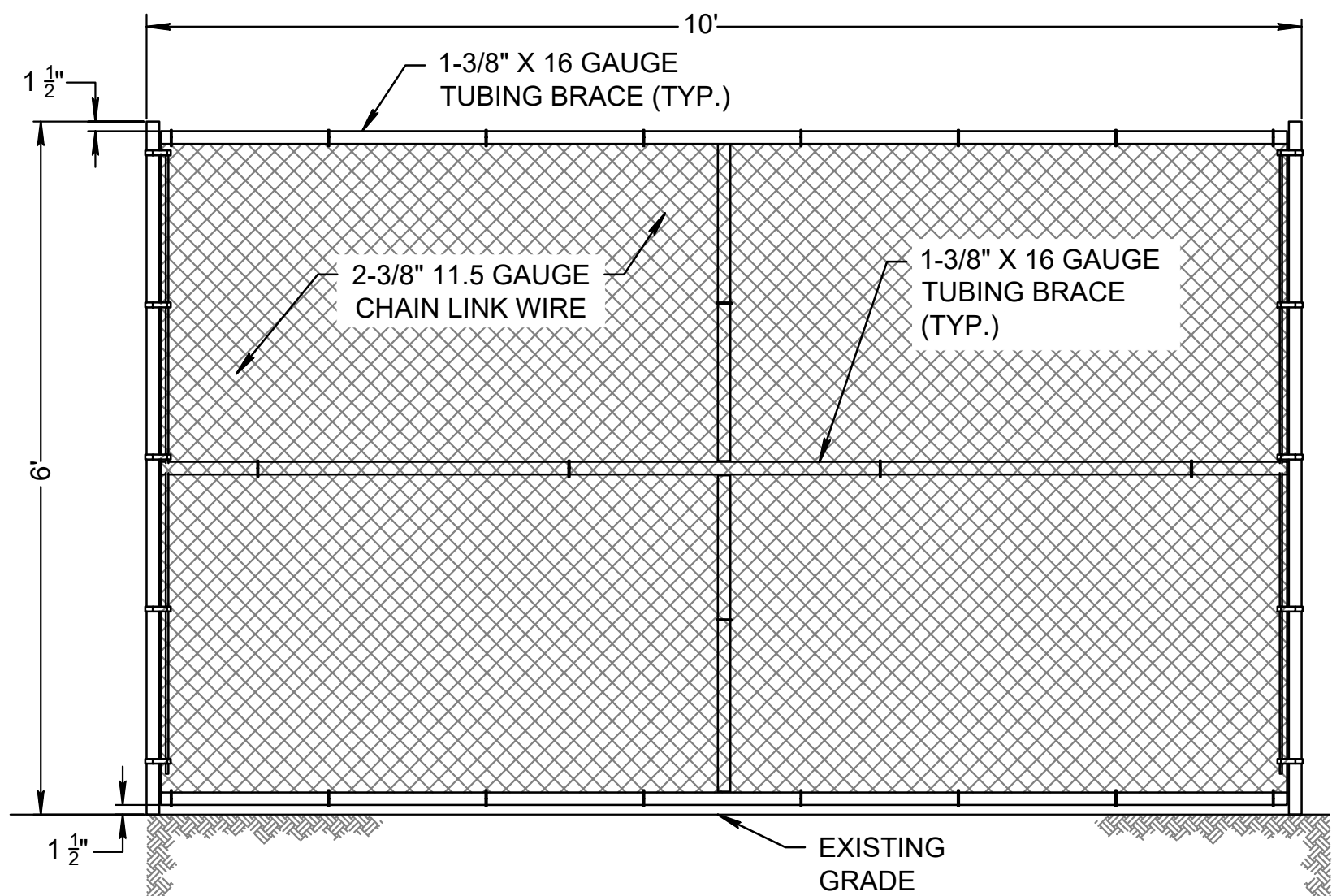
1. REFER TO SITE LAYOUT DRAWINGS FOR SPECIFIC GATE LOCATION.
2. GATE SHALL BE SENTINEL MANUAL SINGLE SWING BARRIER GATE MANUFACTURED BY BARRIER GATE BRANDS, OR APPROVED EQUAL.
3. GATE TO BE MANUALLY OPERATED.
4. INSTALLATION SHALL BE PER MANUFACTURER SPECIFICATIONS.



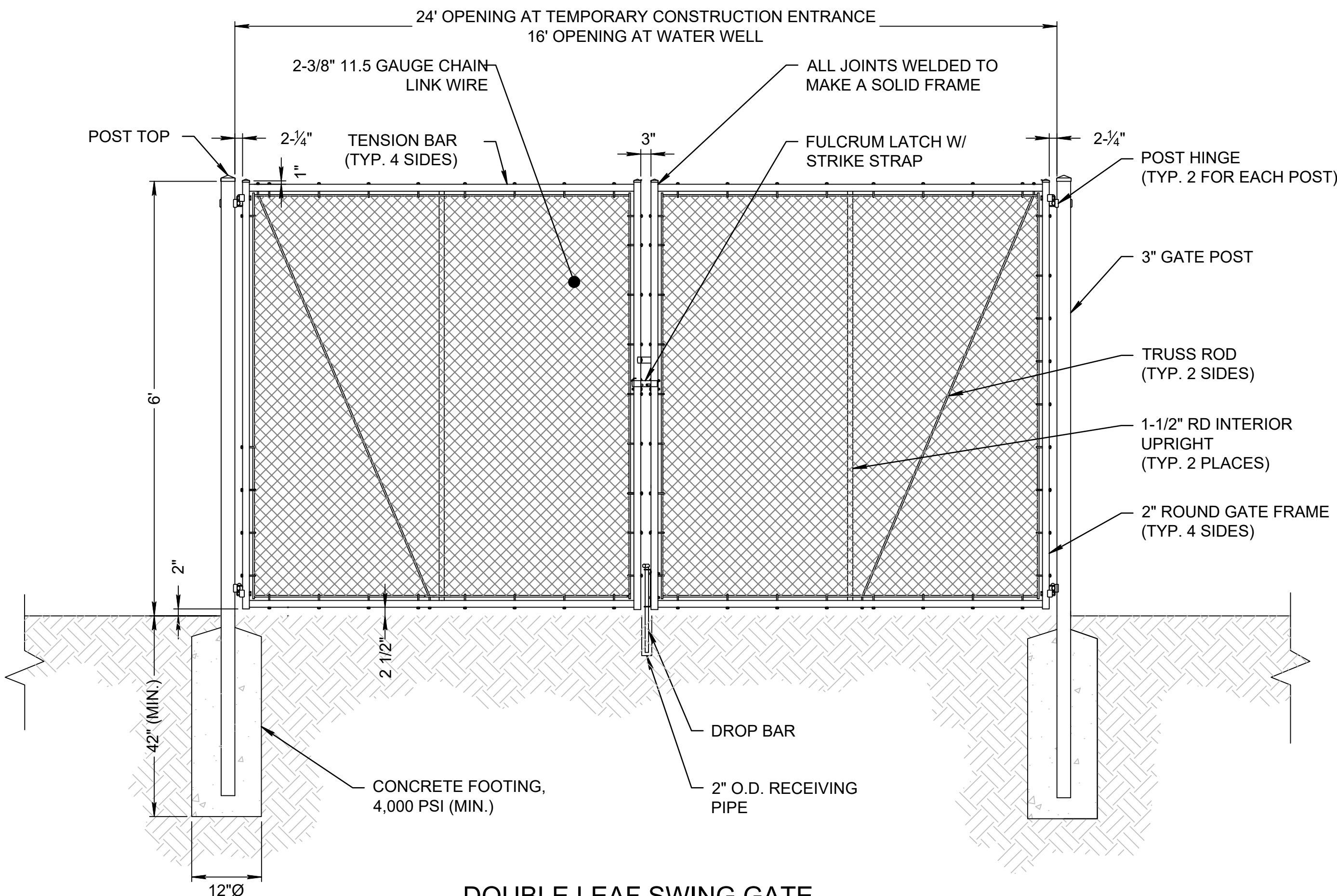
**TEMPORARY CONSTRUCTION CHAIN LINK FENCE STAND**  
NOT TO SCALE

**FENCE NOTES:**

1. REFER TO DEMOLITION DRAWINGS FOR SPECIFIC TEMPORARY CONSTRUCTION FENCE LOCATIONS.
2. FENCE AND GATE SHALL BE 6 FT HIGH CHAIN LINK FENCE.
3. FENCE STAND AND SANDBAG DESIGN REQUIRED AS PER MANUFACTURER.
4. INSTALLATION SHALL BE PER MANUFACTURER SPECIFICATIONS.



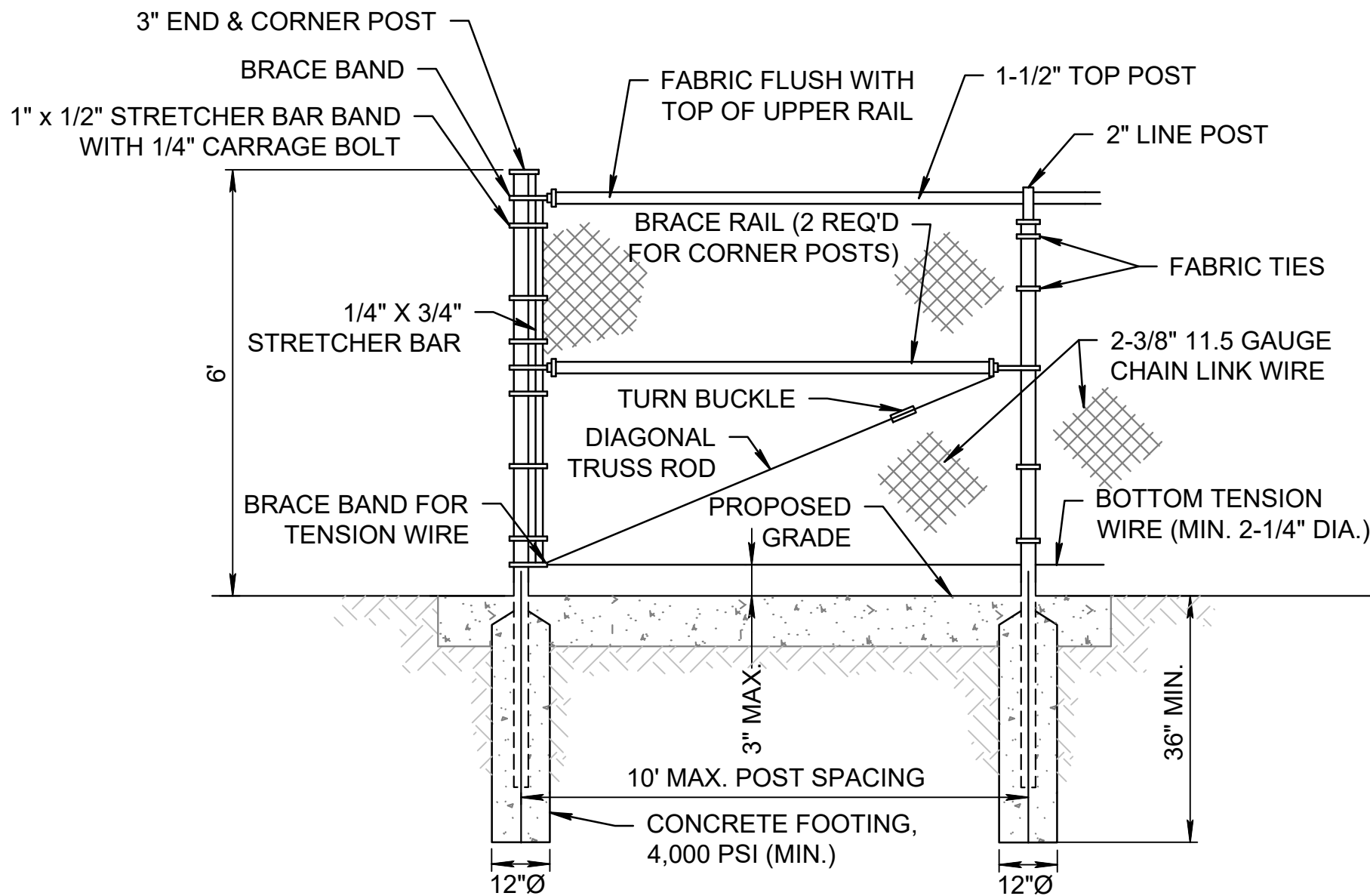
**TEMPORARY CONSTRUCTION CHAIN LINK FENCE**  
NOT TO SCALE



**DOUBLE LEAF SWING GATE**  
NOT TO SCALE

**GATE NOTES:**

1. REFER TO DEMOLITION DRAWINGS FOR SPECIFIC TEMPORARY CONSTRUCTION GATE LOCATION.
2. REFER TO SITE LAYOUT DRAWINGS FOR SPECIFIC WATER WELL GATE LOCATION.
3. GATE SHALL BE 6 FT HIGH CHAIN LINK FENCE.
4. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH TO BE 42\"/>
5. GATES TO BE MANUALLY OPERATED.
6. INSTALLATION SHALL BE PER MANUFACTURER SPECIFICATIONS.



**WATER WELL CHAIN LINK FENCE**  
NOT TO SCALE

**FENCE NOTES:**

1. REFER TO SITE LAYOUT DRAWINGS FOR SPECIFIC WATER WELL FENCE LOCATION.
2. FENCE AND GATE SHALL BE 6 FT HIGH CHAIN LINK FENCE
3. INSTALLATION SHALL BE PER MANUFACTURER SPECIFICATIONS.

DESIGNED S. FUNG	
DRAWN S. FUNG	
CHECKED D. RYAN	
APPROVED A. OSMAN	

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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

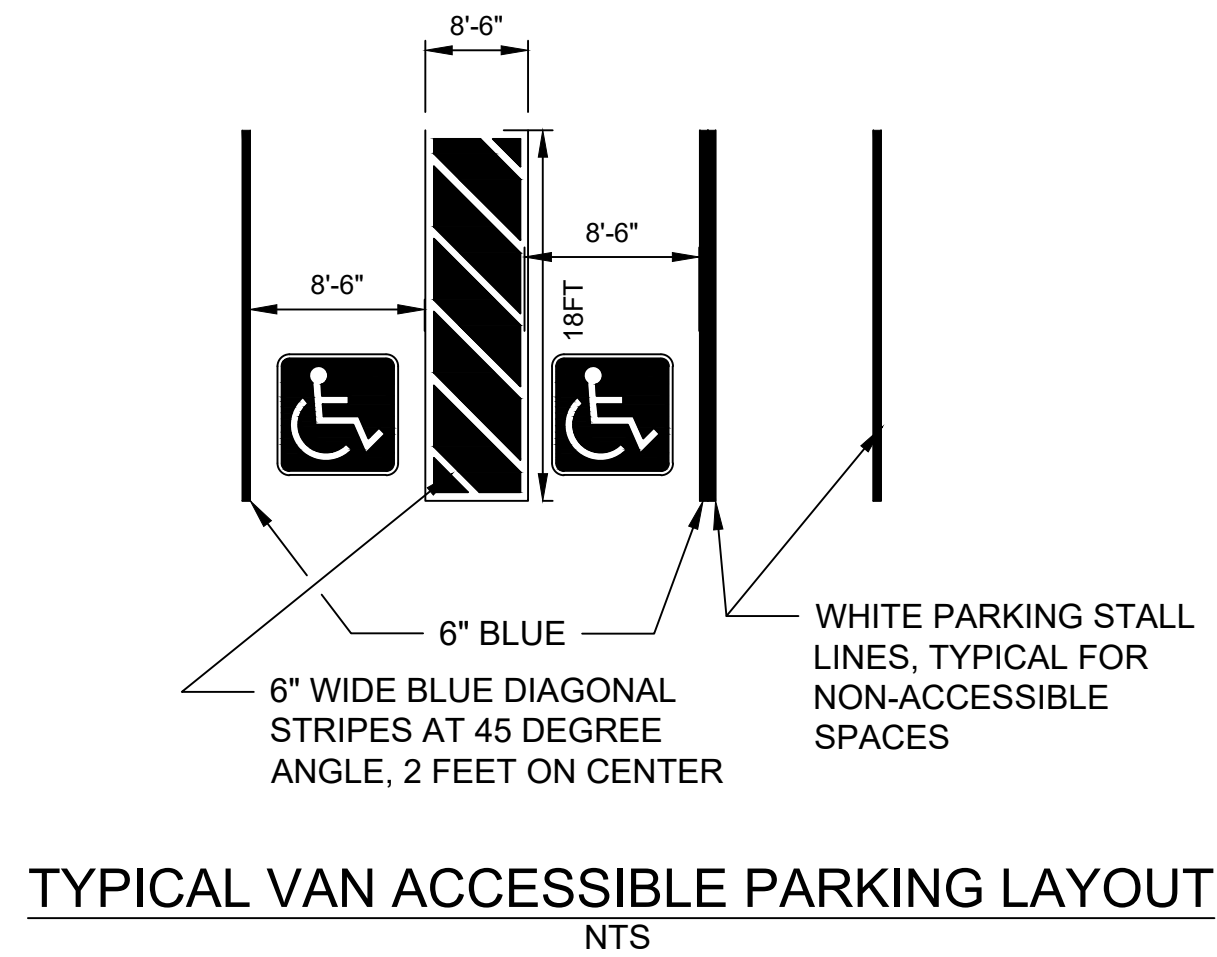
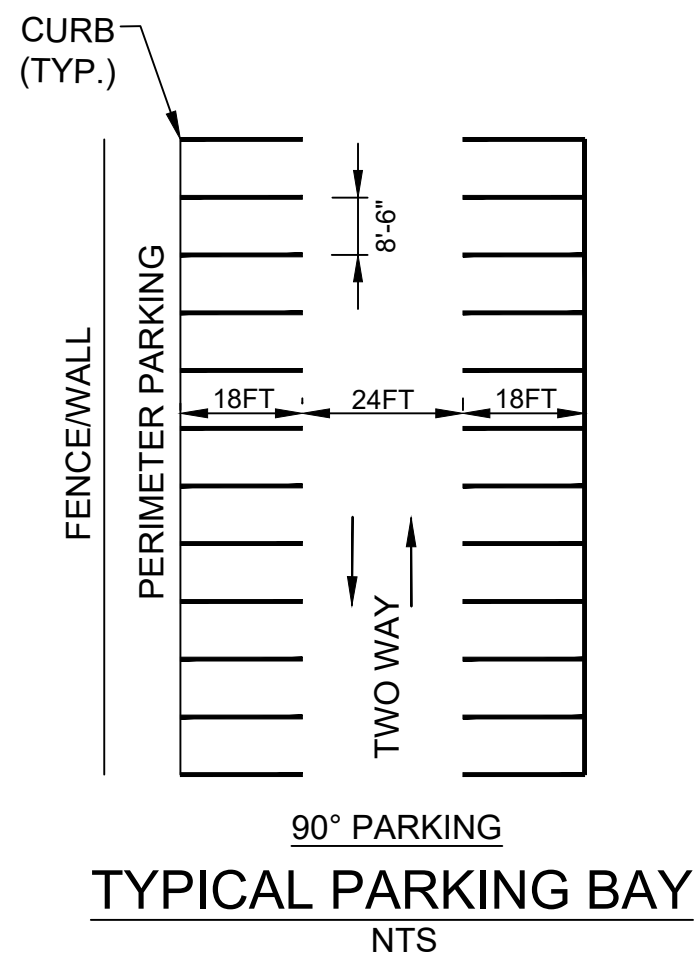
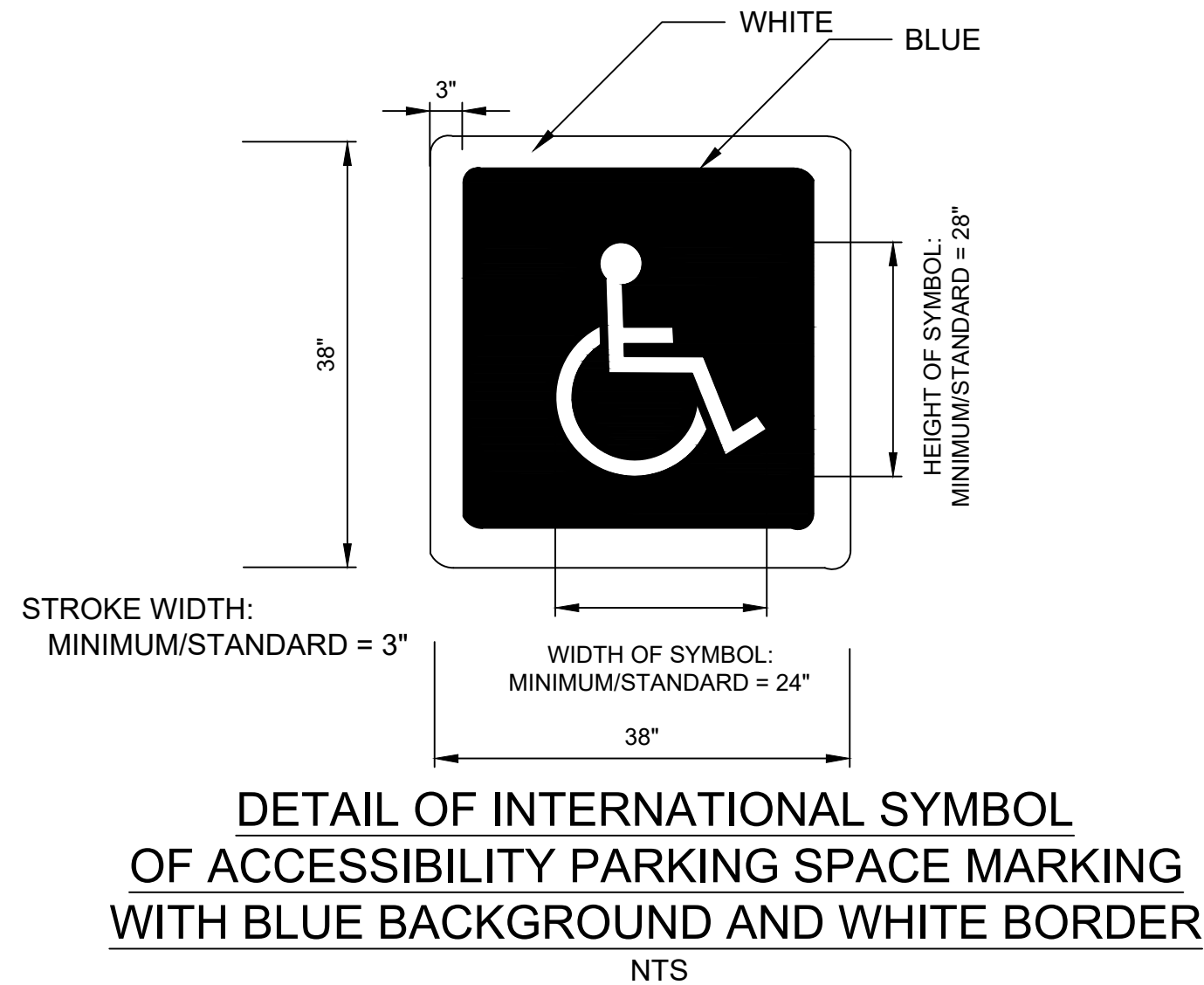
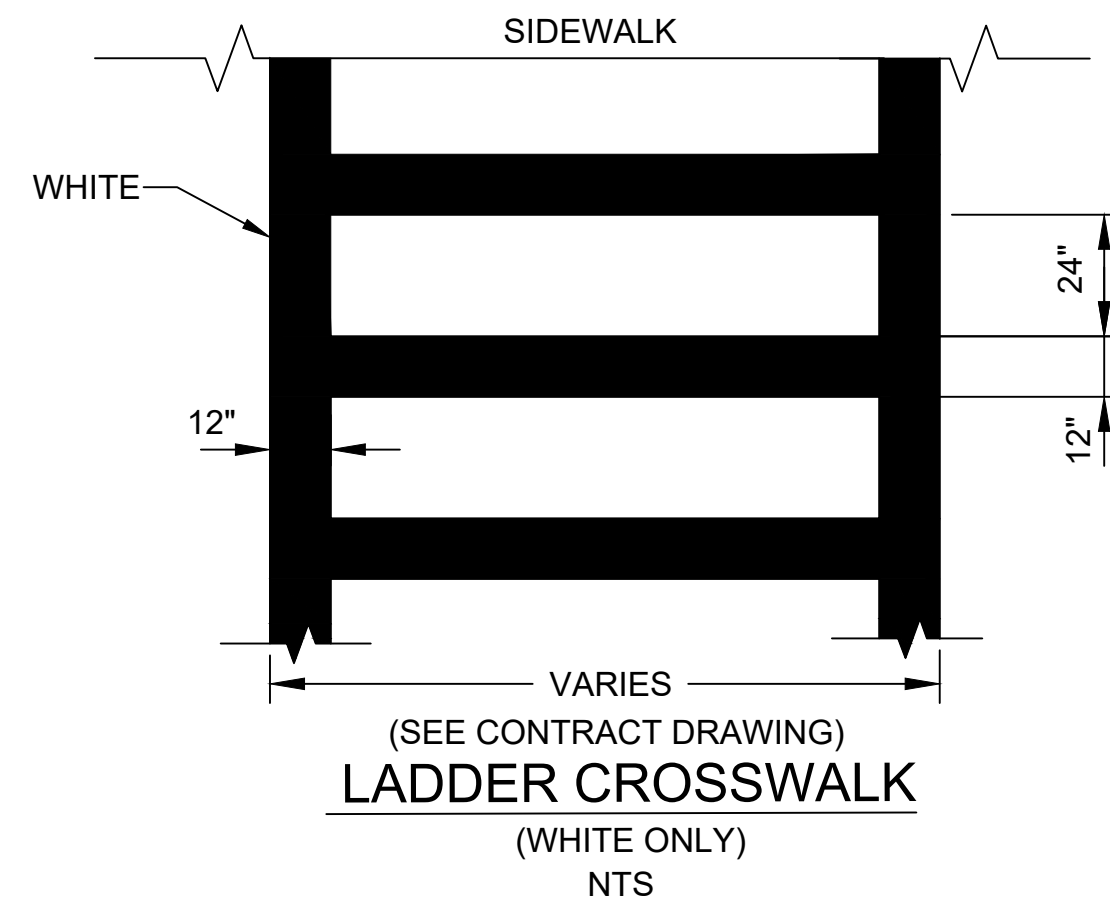
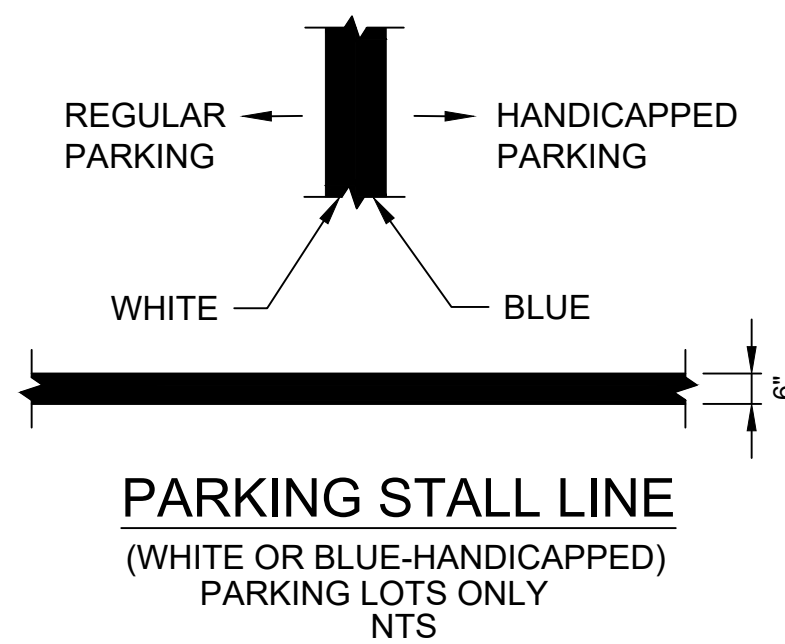
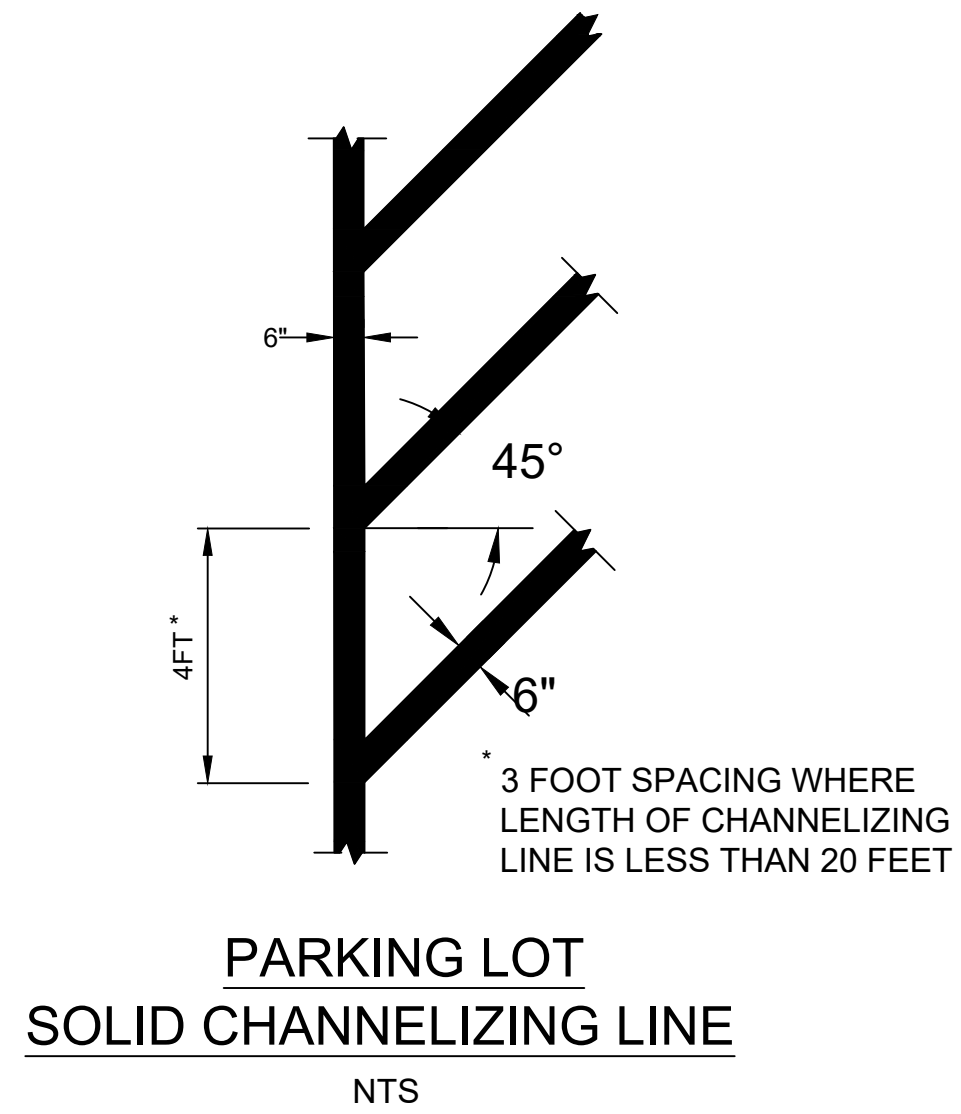
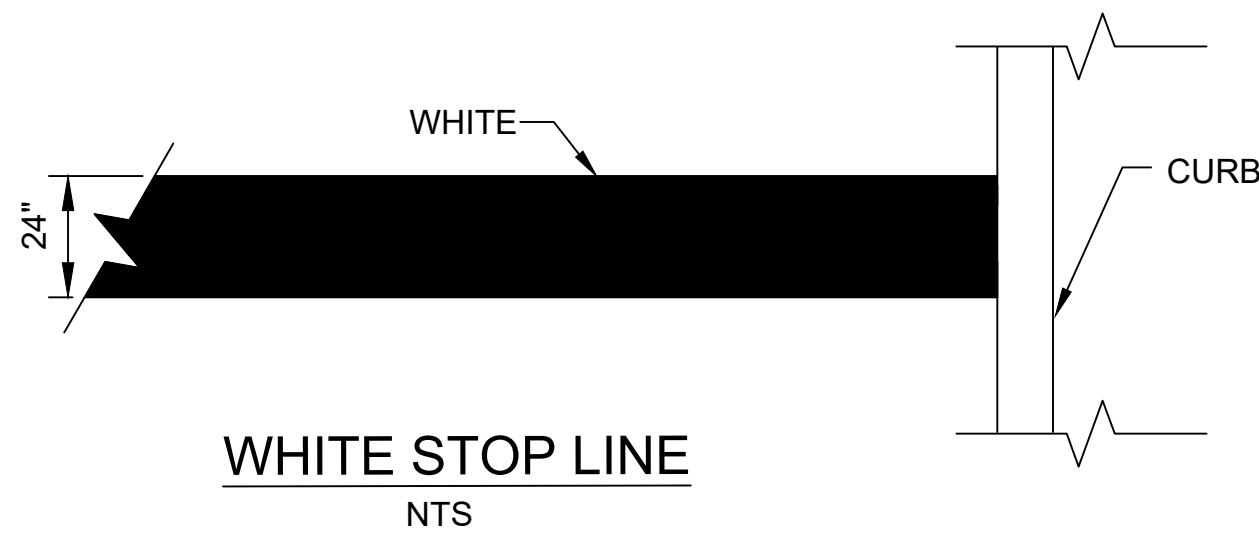
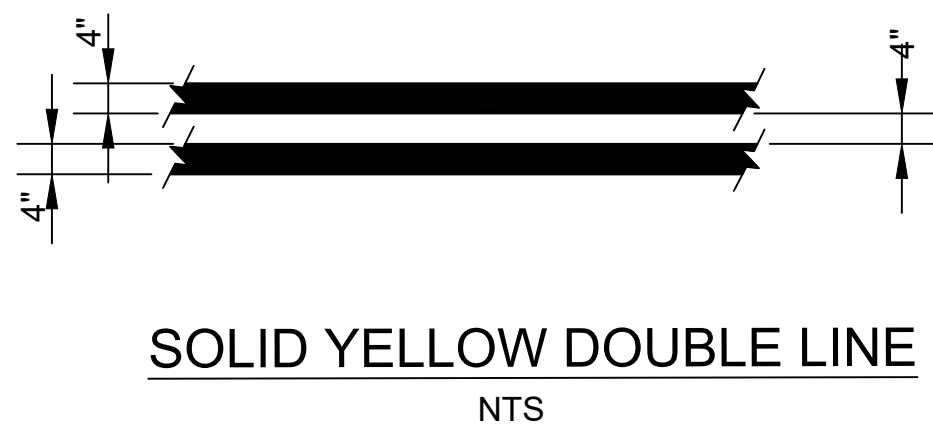
**AECOM**  
MATRIXNEWORLD  
Engineering Progress



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
CONSTRUCTION DETAILS  
5 OF 5

CONTRACT NO. 142486	
SCALE AS SHOWN	DATE 08-21-2020
DRAWING NO. C-505	
SHEET 32 OF 105	



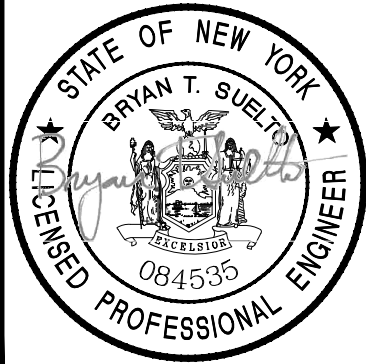


DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

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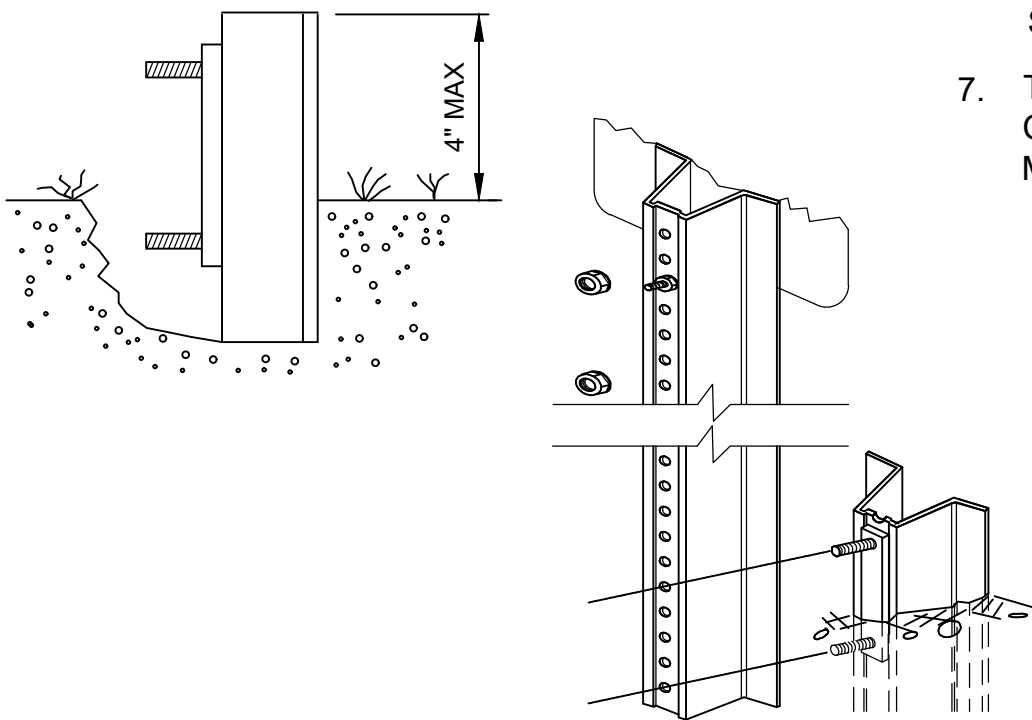
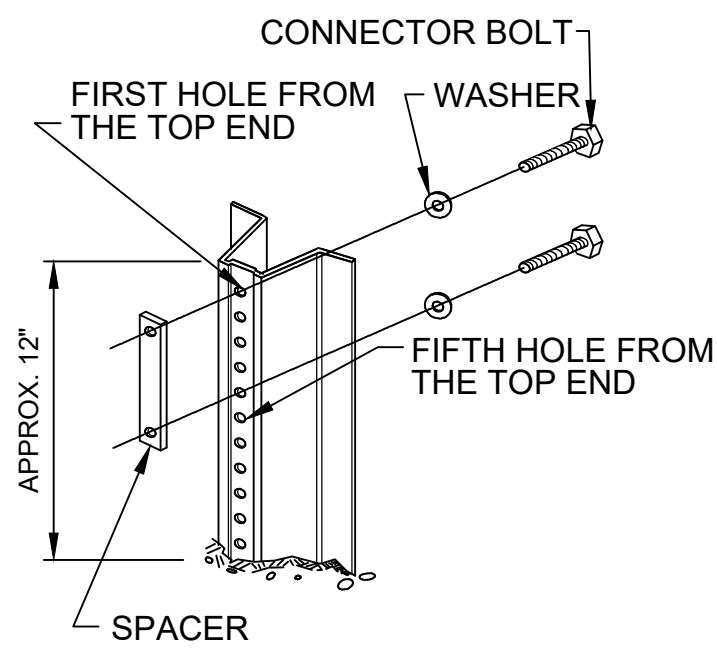


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

PAVEMENT MARKING  
DETAILS

CONTRACT NO. 142486	
SCALE NTS	DATE 08-21-2020
DRAWING NO. C-510	
SHEET 33 OF 105	



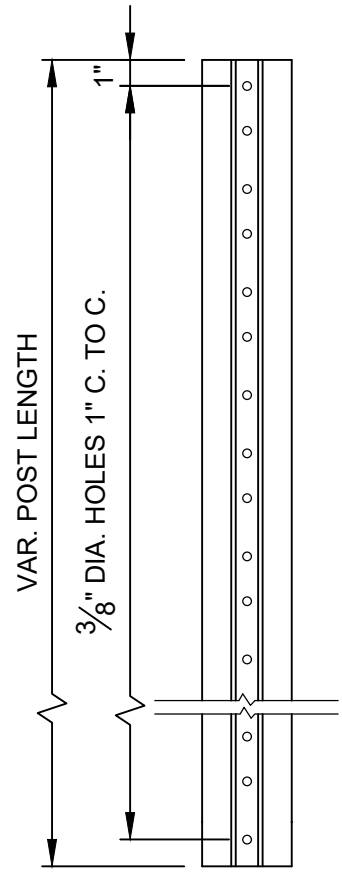


BREAKAWAY SIGN SUPPORT ASSEMBLY

NTS

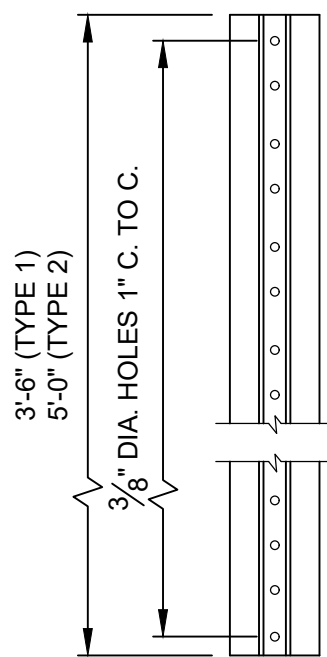
NOTES:

1. DRIVE ANCHOR POST TO WITHIN APPROXIMATELY 12" ABOVE GROUND LEVEL. PLACE BOLT AND WASHER IN FIRST AND FIFTH HOLES FROM THE TOP END, AND SECURELY TIGHTEN BOLTS ONTO THREADED SPACER.
2. DRIVE ANCHOR POST TO WITHIN A MAXIMUM OF 4" ABOVE GROUND LEVEL.
3. DIG OUT AROUND BACK OF ANCHOR POST TO ALLOW ROOM FOR TOP POST TO BE ATTACHED.
4. NEST TOP POST ONTO PROTRUDING ANCHOR POST BOLTS, THROUGH THE FIRST AND FIFTH HOLES OF THE TOP POST.
5. PLACE AND TIGHTEN A SELF-LOCKING FLANGE NUT ON EACH BOLT. WHEN INSTALLATION IS COMPLETE, TOP OF ANCHOR POST SHALL NOT EXCEED 4" ABOVE GROUND LEVEL.
6. SIZE OF CONNECTOR BOLT FOR TYPE 1,  $\frac{5}{16}$ " X  $1\frac{1}{2}$ "  
SIZE OF CONNECTOR BOLT FOR TYPE 2,  $\frac{5}{16}$ " X 2"
7. THE CONNECTOR BOLTS SHALL BE FULLY THREADED. EACH CONNECTOR BOLT AND NUT SHALL BE CLEARLY STAMPED WITH MANUFACTURER'S IDENTIFYING MARK.



TOP U-POST

NTS

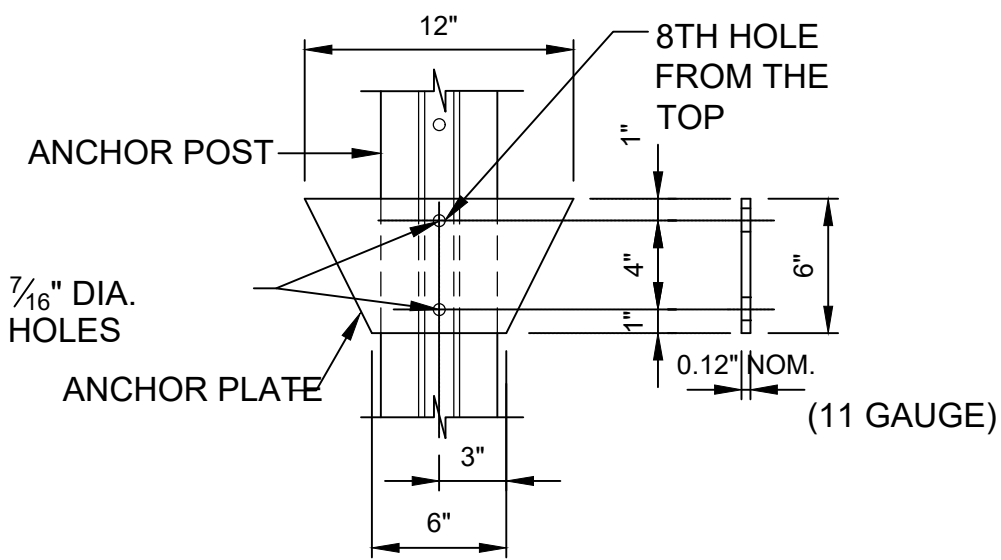


ANCHOR U-POST

NTS

NOTES:

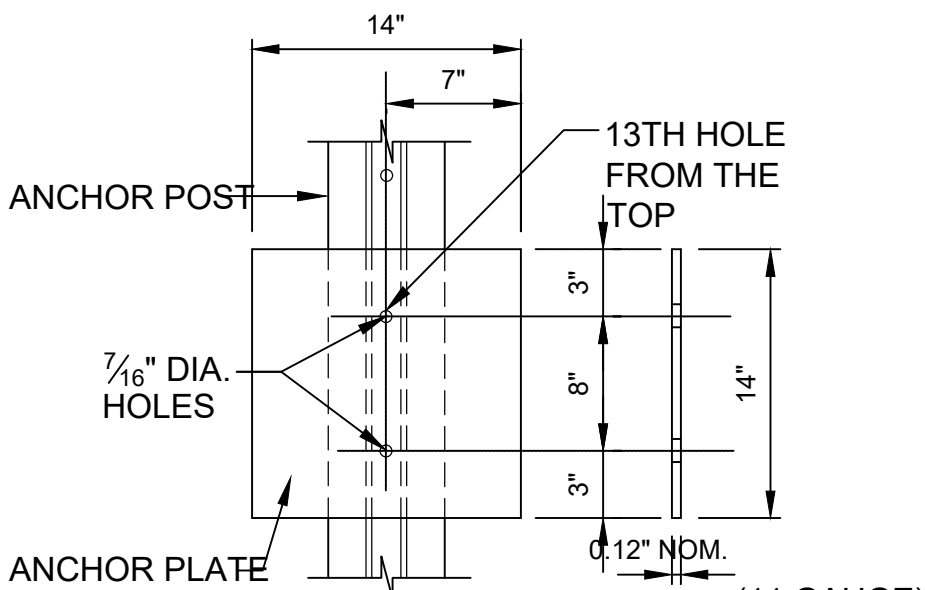
1. ANCHOR POST AND TOP POST SHALL BE OF EQUAL WEIGHT/FEET.
2. SOIL ANCHOR PLATE SHALL BE ATTACHED TO ALL ANCHOR POSTS.
3. THE MATERIAL FOR THE SOIL ANCHOR PLATES SHALL BE CARBON SHEET STEEL.
4. THE STEEL "U" POST SHALL BE GRADE 60.



TYPE 1  
SOIL ANCHOR PLATE ASSEMBLY

NTS

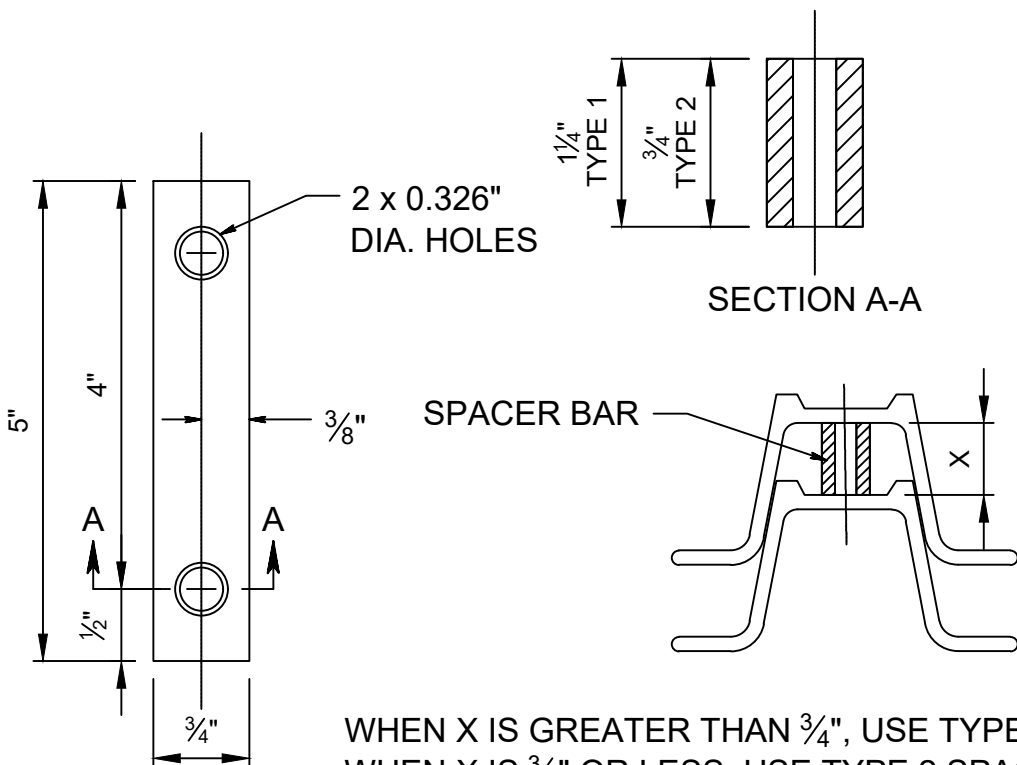
MATERIAL: CARBON SHEET STEEL



TYPE 2  
SOIL ANCHOR PLATE ASSEMBLY

NTS

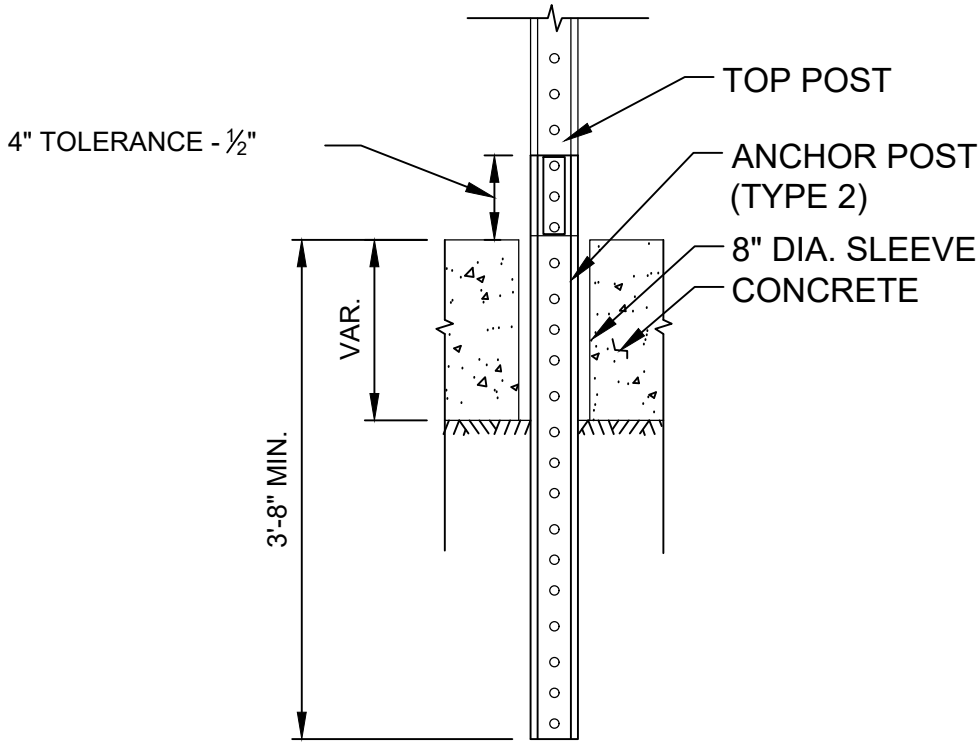
MATERIAL: CARBON SHEET STEEL



WHEN X IS GREATER THAN  $\frac{3}{4}$ ", USE TYPE 1 SPACER BAR  
WHEN X IS  $\frac{3}{4}$ " OR LESS, USE TYPE 2 SPACER BAR

SPACER BAR

NTS



CONCRETE INSTALLATION

NTS

DESIGNED  
B.T.S.  
DRAWN  
H.M.Y.  
CHECKED  
W.T.C.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

AECOM



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

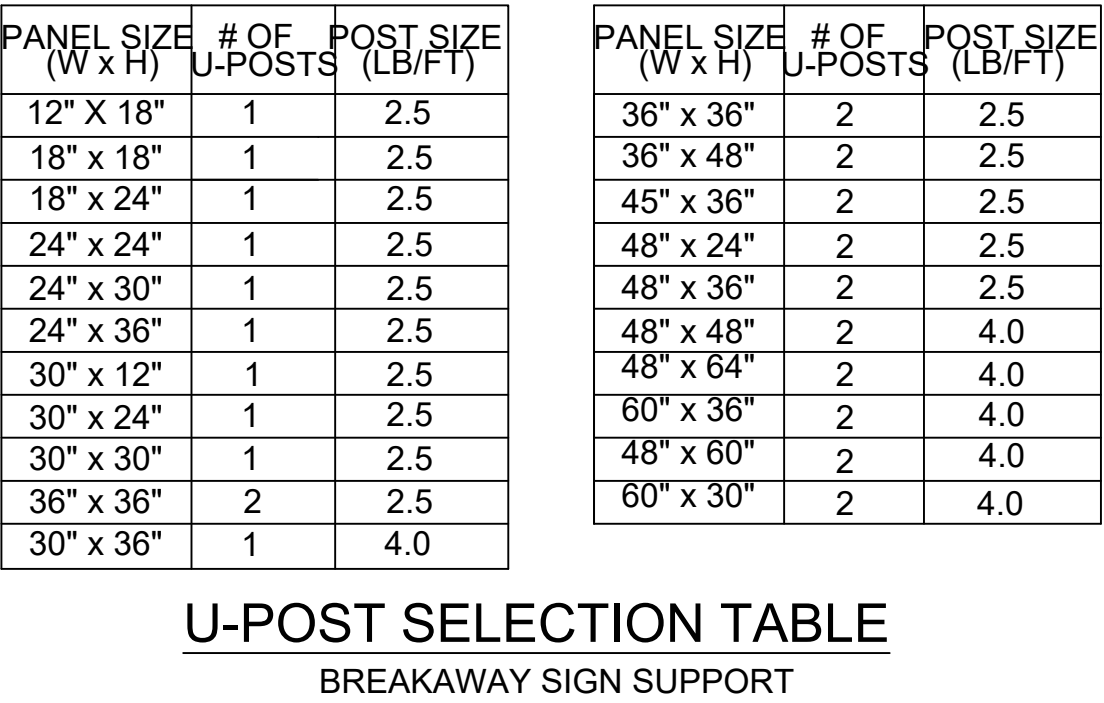
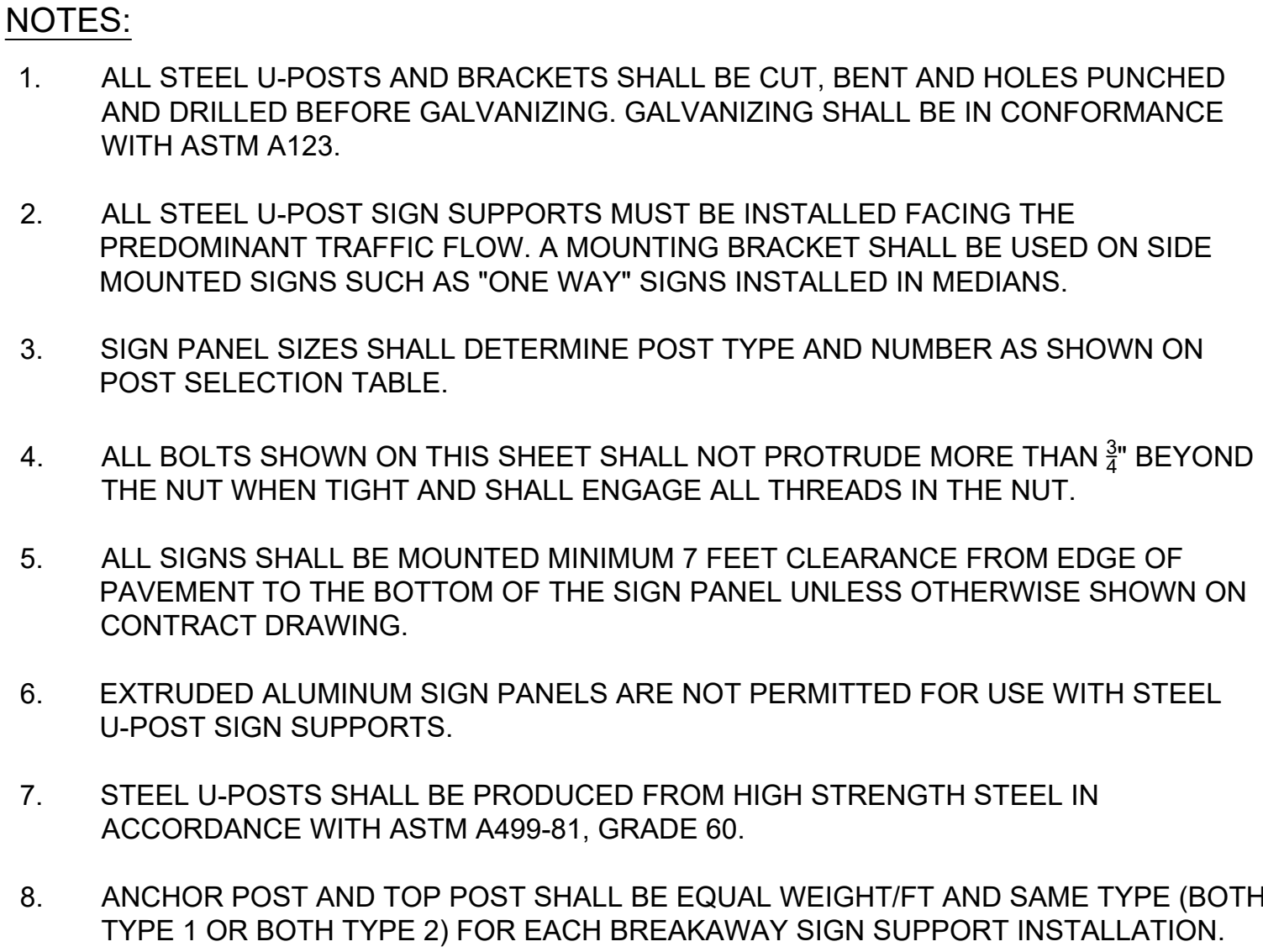
SIGNAGE DETAILS  
1 OF 6

CONTRACT NO.  
142486

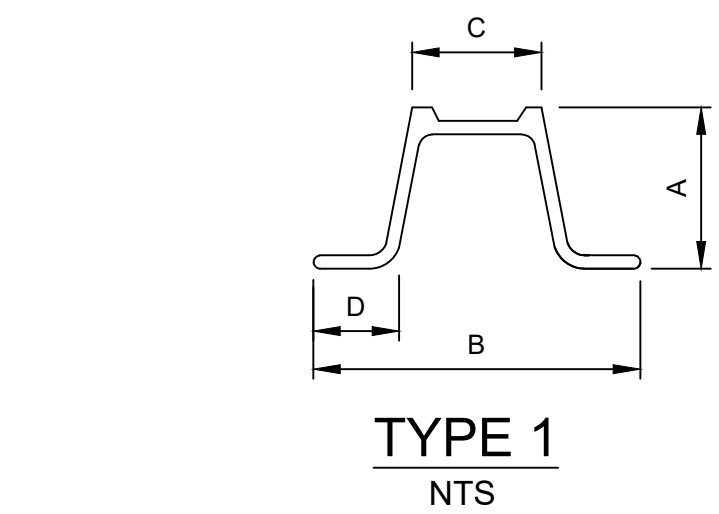
SCALE  
NTS  
DATE  
08-21-2020

DRAWING NO.  
C-520  
SHEET 34 OF 105

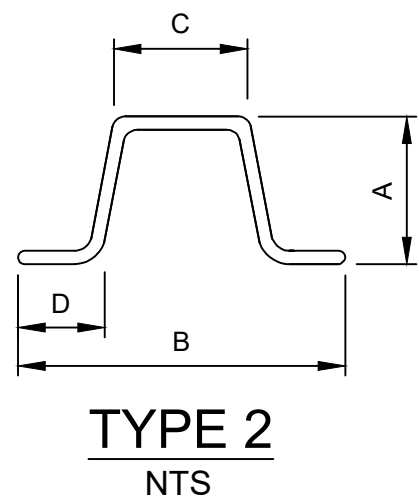




- 
- The diagram illustrates two cross-sections of a road: **STANDARD** and **CURBED SECTION**.
- STANDARD:** This section shows a **TRAVEL LANE** on the left, followed by a **SHOULDER**. A rectangular structure is positioned to the right of the shoulder. The distance between the shoulder and the structure is labeled as **2' MIN.**. The height of the structure is labeled as **7' MIN.**.
- CURBED SECTION:** This section shows a **TRAVEL LANE** on the left, followed by a **2' MIN.** gap. An octagonal structure is positioned to the right of the gap. The height of the structure is labeled as **7' MIN.**.



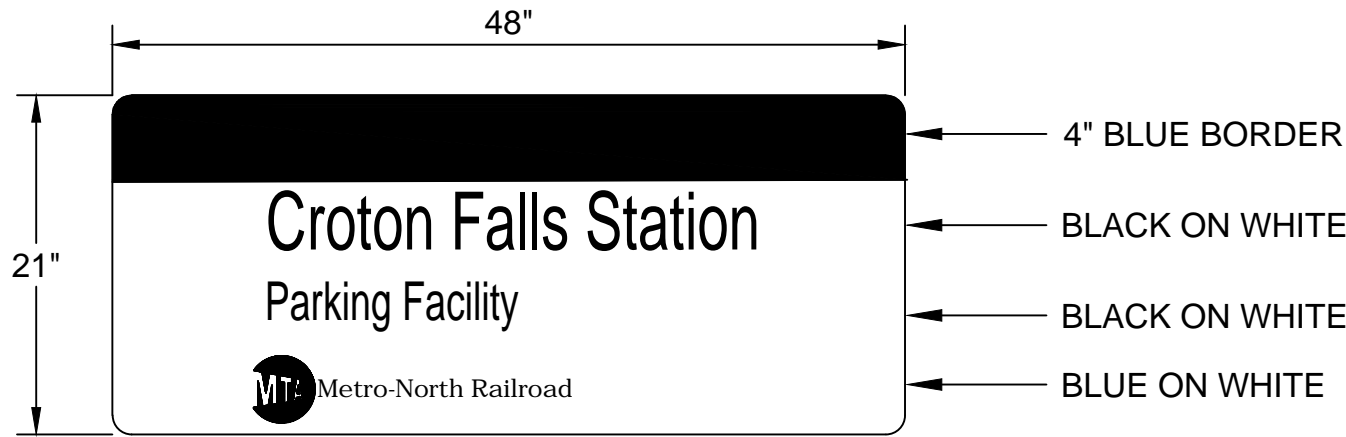
WEIGHT * LB/Ft	DIMENSIONS (in)				AREA in <sup>2</sup>
	"A"	"B"	"C"	"D"	
2.5	1.516	3.062	1.278	0.669	0.760
4.0	1.968	3.500	1.336	0.834	1.187



WEIGHT * LB/Ft	DIMENSIONS (in)				AREA in <sup>2</sup>
	"A"	"B"	"C"	"D"	
2.5	1.549	3.125	1.250	0.625	0.748
4.0	1.845	3.500	1.625	0.718	1.190

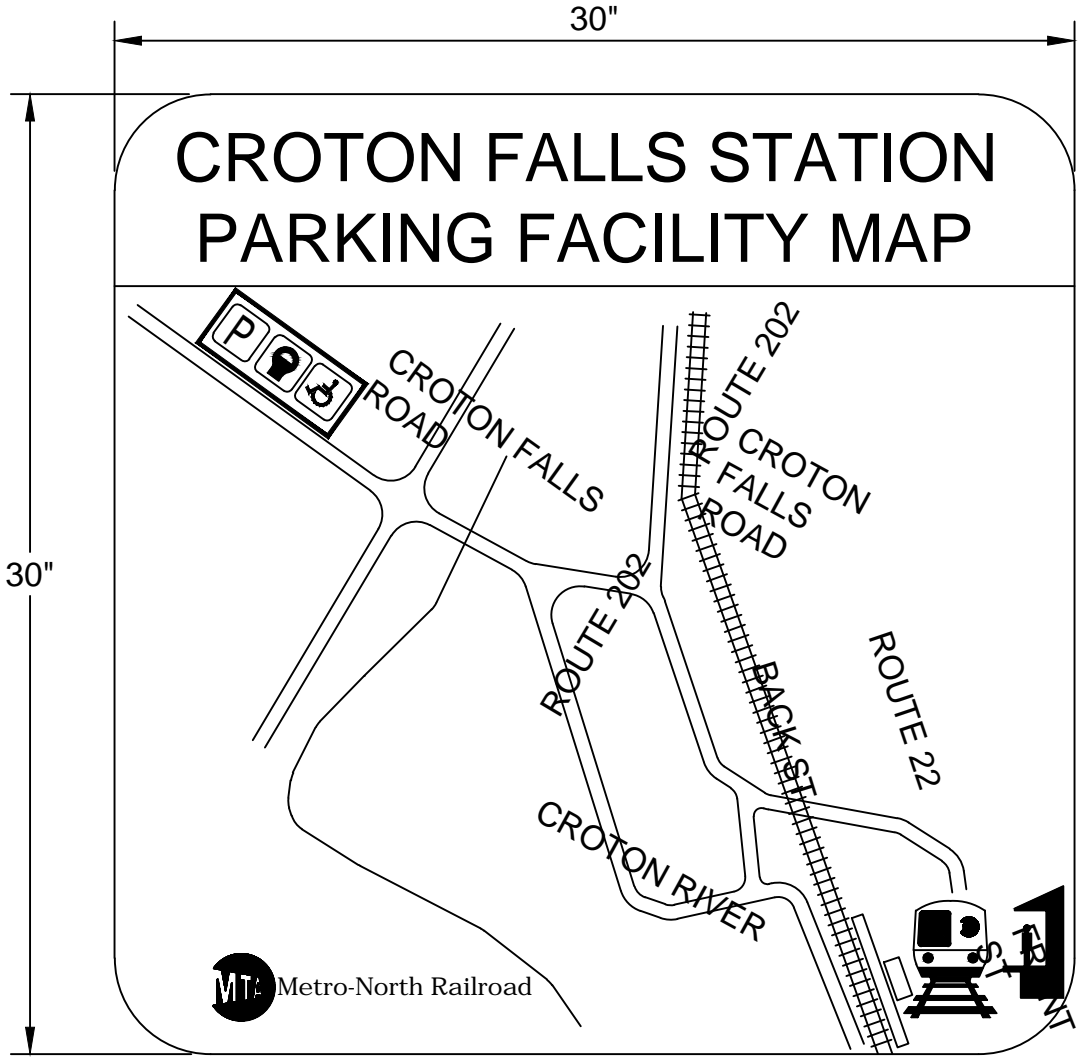


YangD 8/20/2020 2:33:06 PM



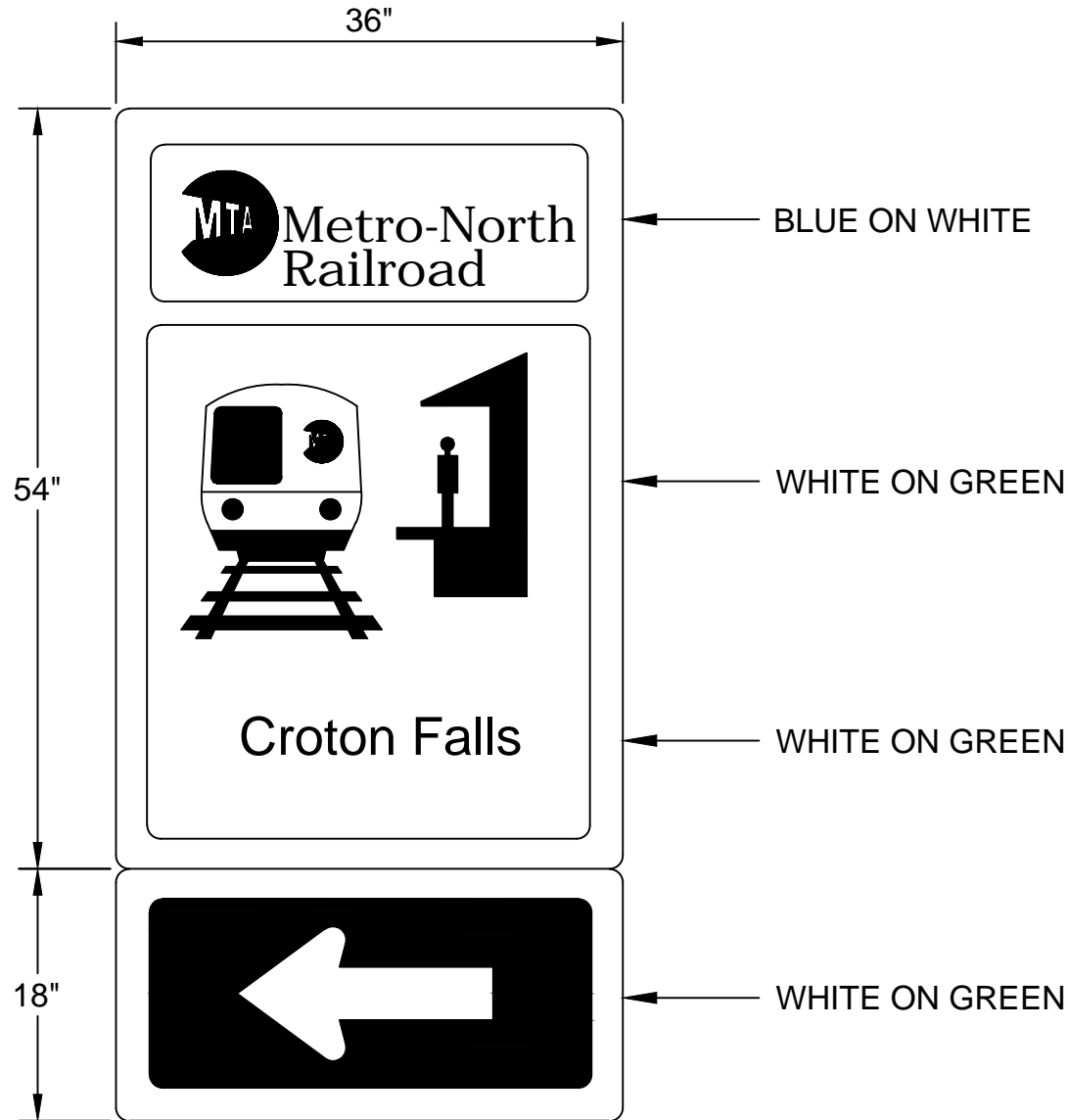
48" COMMUTER PARKING (CP4)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
1.22	CP4	CP4	48" x 21"	BORDER LINE 1 LINE 2 LINE 3 MTA SYMBOL	0.50" 3.00" 2.25" 17.54"x 3.25"	BLACK BLACK ON WHITE BLACK ON WHITE BLUE ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	4	2			



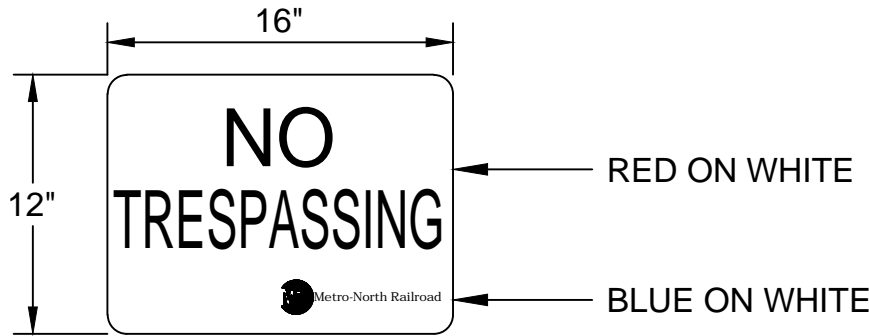
MAP SQUARE (MAPS)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
1.7	MAPS	MAPS	30" x 30"	TOP BORDER LINES 1 & 2 DIAGRAM	6.00" 1.50" (VARIES)	BLACK WHITE ON BLACK (VARIES)
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



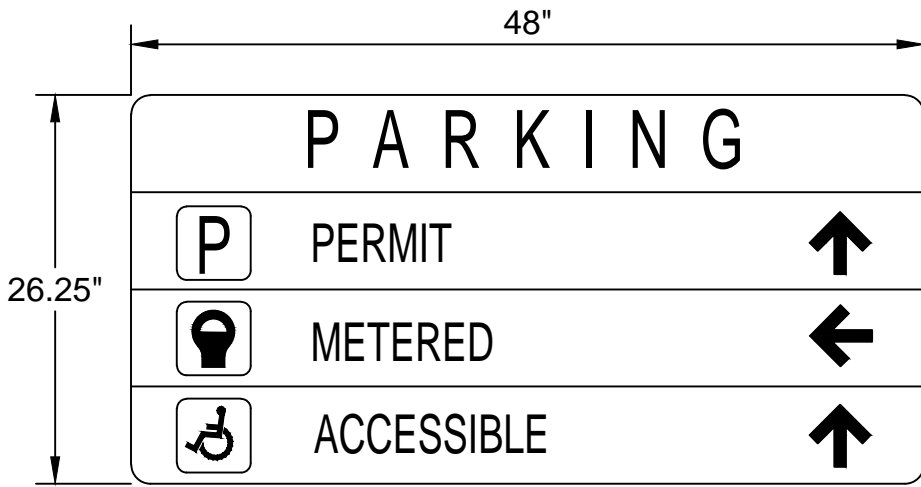
36" TRAILBLAZING SIGNS-BOTH (TBX-L)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
1.04	TBX-L	TBX-L	36" x 54" 36" x 18"	LINES 1 & 2 LINES 3 & 4 ARROW	2.46" 3.67"	BLUE ON WHITE WHITE ON GREEN WHITE ON GREEN
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BARS	NO. OF CHANNEL POST(S)			
0.125"	HIGH INTENSITY	4	2			



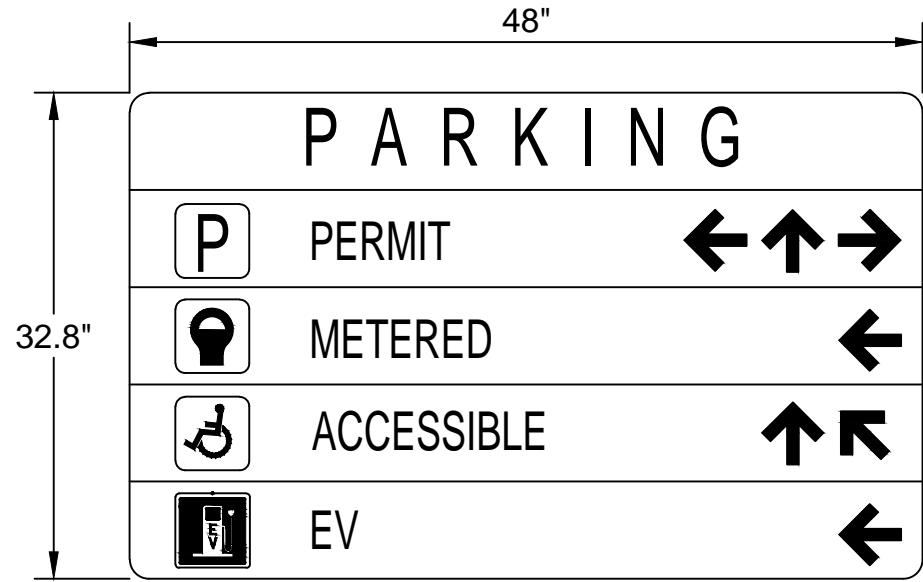
NO TRESPASSING (NT)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
6.4	NT	NT	16" x 12"	LINES 1 & 2 LINES 3	2.25" 6.75" x 1.18"	RED ON WHITE BLUE ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	0	1			



PARKING DIRECTIONS-SMALL (PD-S1)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
1.3	PD-S1	PD-S1	48" x 26.25"	LINE 1 LINE 2 SYMBOL LINE 2 TEXT LINE 2 ARROW LINE 3 SYMBOL LINE 3 TEXT LINE 3 ARROW LINE 4 SYMBOL LINE 4 TEXT LINE 4 ARROW	2.75" 4.10" x 4.10" 2.20" 4.40" x 4.10" 4.10" x 4.10" 2.20" 4.40" x 4.10" 4.10" x 4.10" 2.20" 4.40" x 4.10"	WHITE ON BLUE WHITE ON GREEN ON WHITE GREEN ON WHITE BLACK ON WHITE BLUE AND WHITE ON WHITE BLUE ON WHITE BLACK ON WHITE WHITE ON BLUE ON WHITE BLUE ON WHITE BLACK ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	HIGH INTENSITY	2	2			

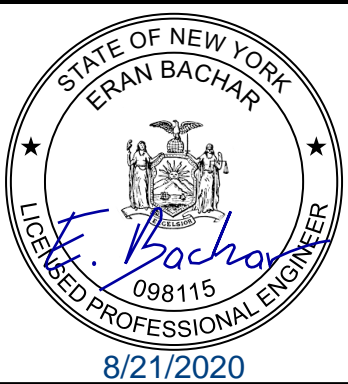


PARKING DIRECTIONS-SMALL (PD-S2)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
1.3	PD-S2	PD-S2	48" x 26.25"	LINE 1 LINE 2 SYMBOL LINE 2 TEXT LINE 2 ARROW LINE 3 SYMBOL LINE 3 TEXT LINE 3 ARROW LINE 4 SYMBOL LINE 4 TEXT LINE 4 ARROW LINES SYMBOL LINE 5 TEXT LINE 5 ARROW	2.75" 4.10" x 4.10" 2.20" 4.40" x 4.10" 4.10" x 4.10" 2.20" 4.40" x 4.10" 4.10" x 4.10" 2.20" 4.40" x 4.10" 4.10" x 4.10" 2.20" 4.40" x 4.10"	WHITE ON BLUE WHITE ON GREEN ON WHITE GREEN ON WHITE BLACK ON WHITE BLUE AND WHITE ON WHITE BLUE ON WHITE BLACK ON WHITE WHITE ON BLUE ON WHITE BLUE ON WHITE BLACK ON WHITE WHITE ON BLUE ON WHITE BLUE ON WHITE BLACK ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	HIGH INTENSITY	2	2			

SIGN	QUANTITY
DHVA	4
HVA	3
FPW	16
MAPS	2
MP-DNS	60
MP-OPDN2	5
MP-SS	1
NT	2
PD-S1	1
PD-S2	1
PPO-B	11
PPO-L	20
PPO-R	20
PPS	1
TBX-L	3
CP4	1
WF-L	1
WF-U	3

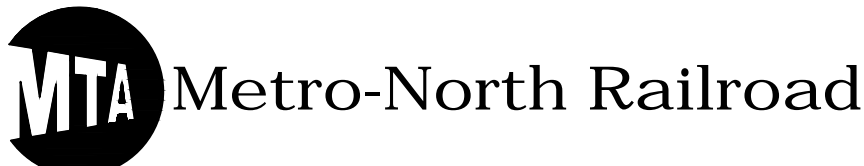
DESIGNED  
L.M.  
DRAWN  
D.C.Y.  
CHECKED  
E.B.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

AECOM

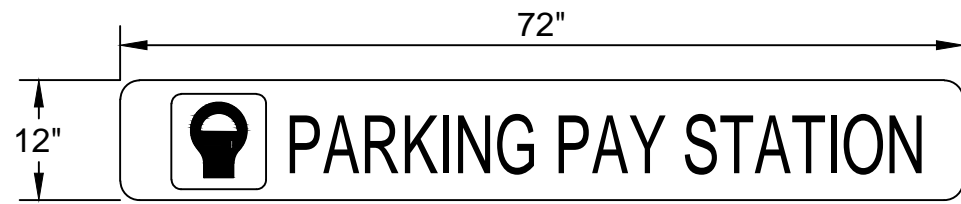


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

SIGNAGE DETAILS  
3 OF 6

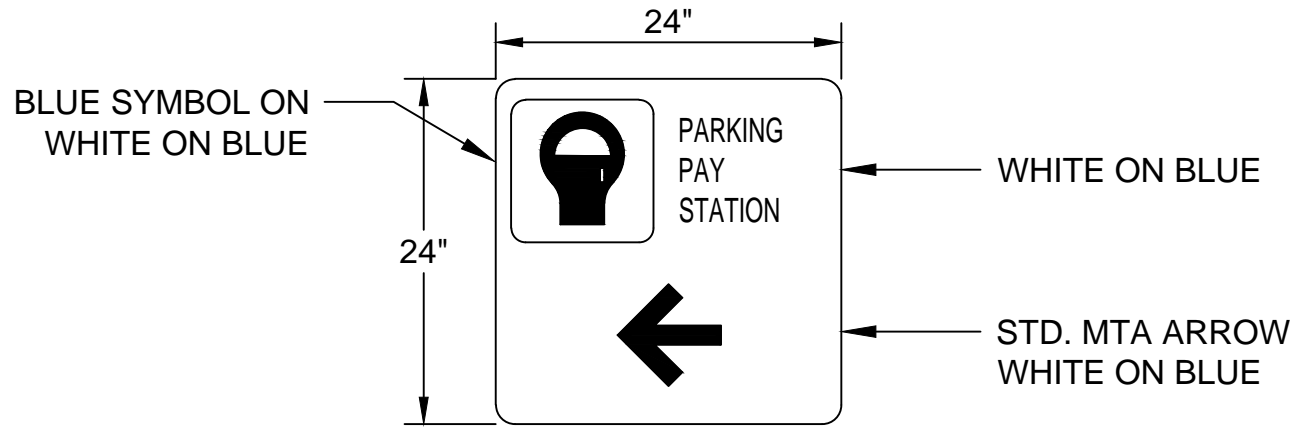
CONTRACT NO. 142486	
SCALE N.T.S.	DATE 08-21-2020
DRAWING NO. C-522	
SHEET 36 OF 105	





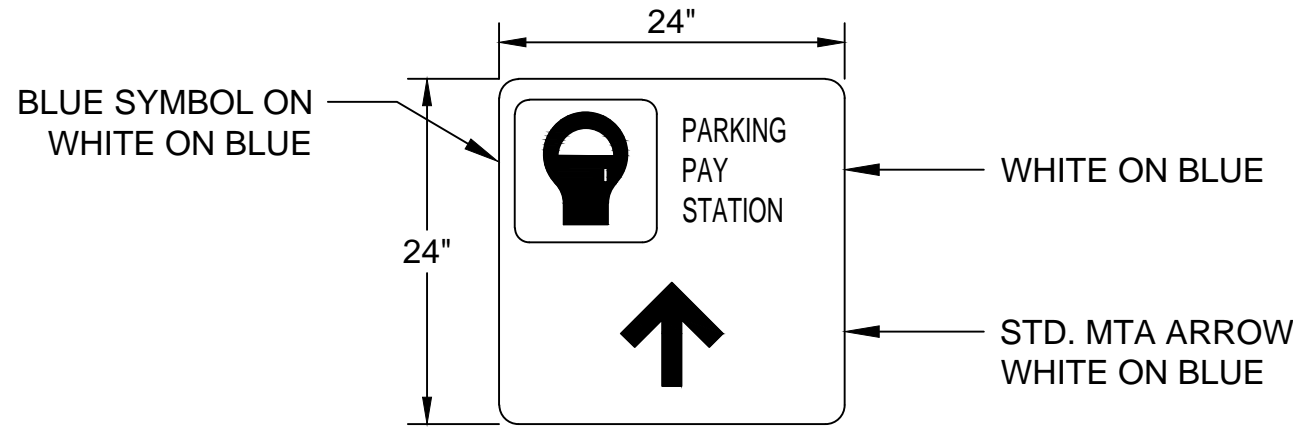
PARKING PAY STATION (PPS)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
5.1	PPS	PPS	12" x 72"	METER SYMBOL LINE 1	8.40" x 8.40" 4.00"	BLUE ON WHITE ON BLUE WHITE ON BLUE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	0	0			



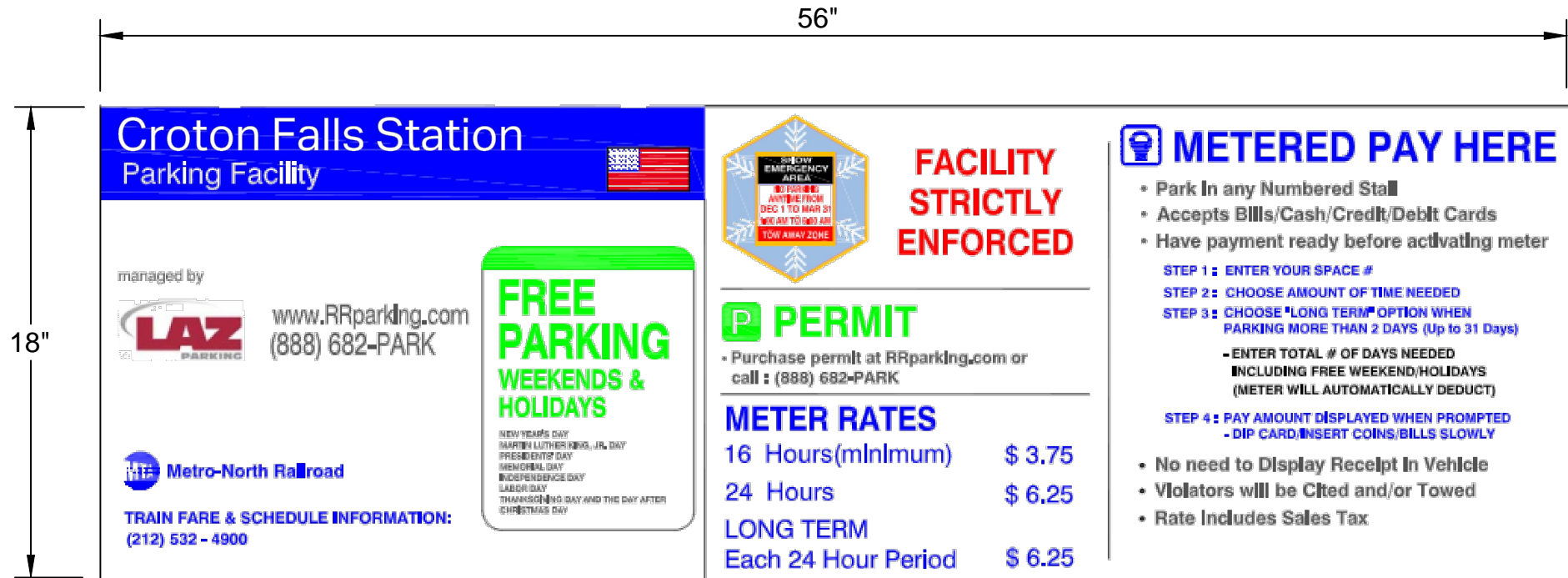
WAY FIND-LEFT (WF-L)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
5.21	WF-L	WF-L	24" x 24"	METER SYMBOL LINES 1, 2, & 3 ARROW	10.65" x 10.65" 1.75" 8.00" x 7.76"	BLUE ON WHITE ON BLUE WHITE ON BLUE WHITE ON BLUE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



WAY FIND-UP (WF-U)

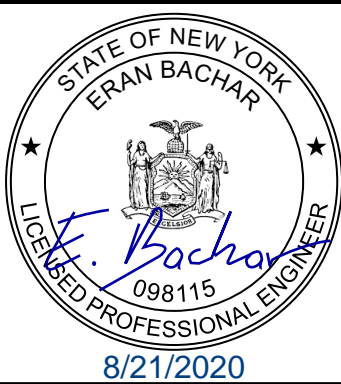
SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
5.23	WF-U	WF-U	24" x 24"	METER SYMBOL LINES 1, 2, & 3 ARROW	10.65" x 10.65" 1.75" 8.00" x 7.76"	BLUE ON WHITE ON BLUE WHITE ON BLUE WHITE ON BLUE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



PERMIT PARKING INSTRUCTIONS (PPI)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
	PPI	PPI	56" x 18"	VARIES	VARIES	VARIES
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	0	0			

DESIGNED  
L.M.  
DRAWN  
D.C.Y.  
CHECKED  
E.B.  
APPROVED  
E.B.



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CONFORMED

NO. DATE DRWN CHKD APPVD

REVISIONS

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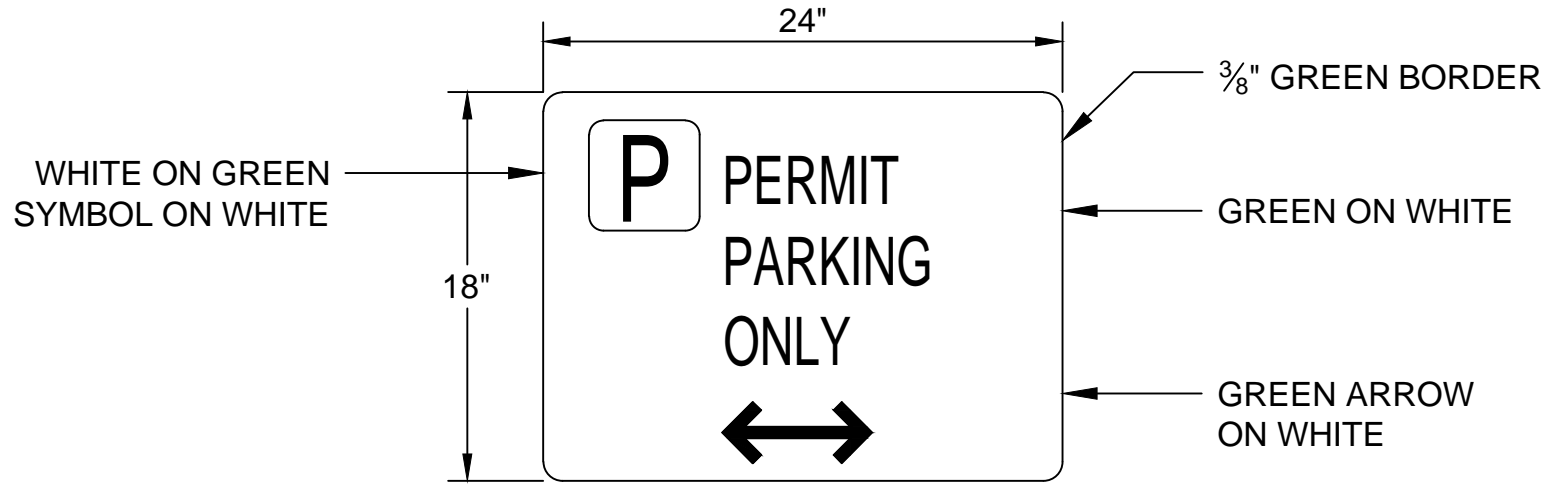
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

SIGNAGE DETAILS  
4 OF 6

CONTRACT NO.  
142486  
SCALE  
N.T.S.  
DATE  
08-21-2020  
DRAWING NO.  
C-523  
SHEET 37 OF 105

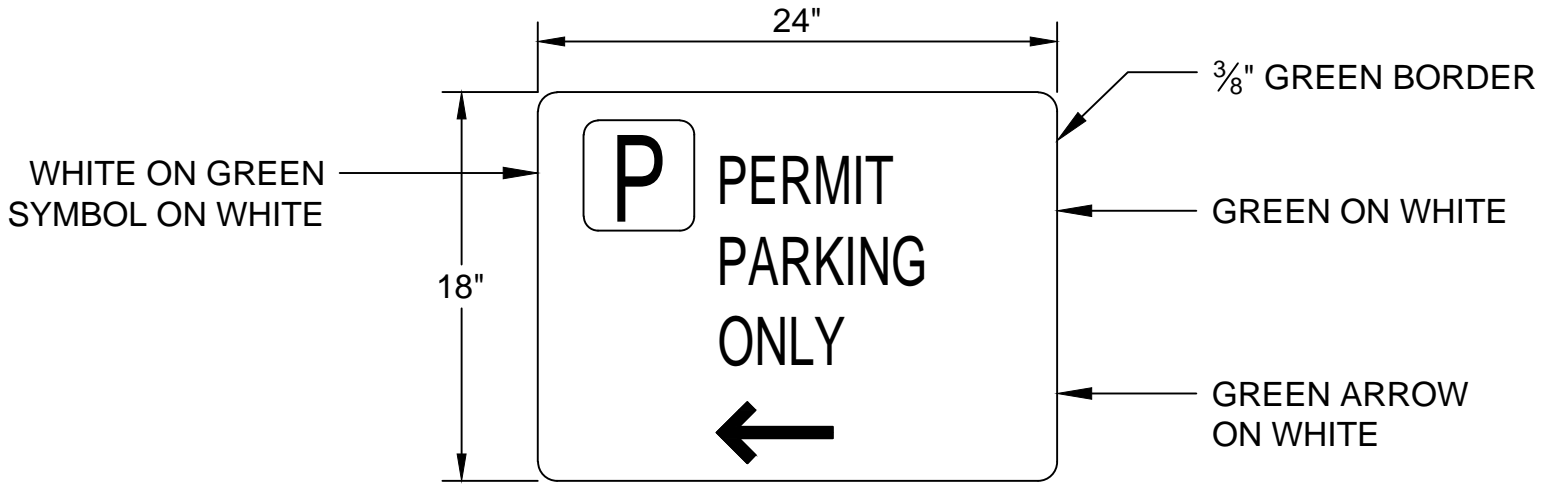


YangD 8/19/2020 12:44:22 PM



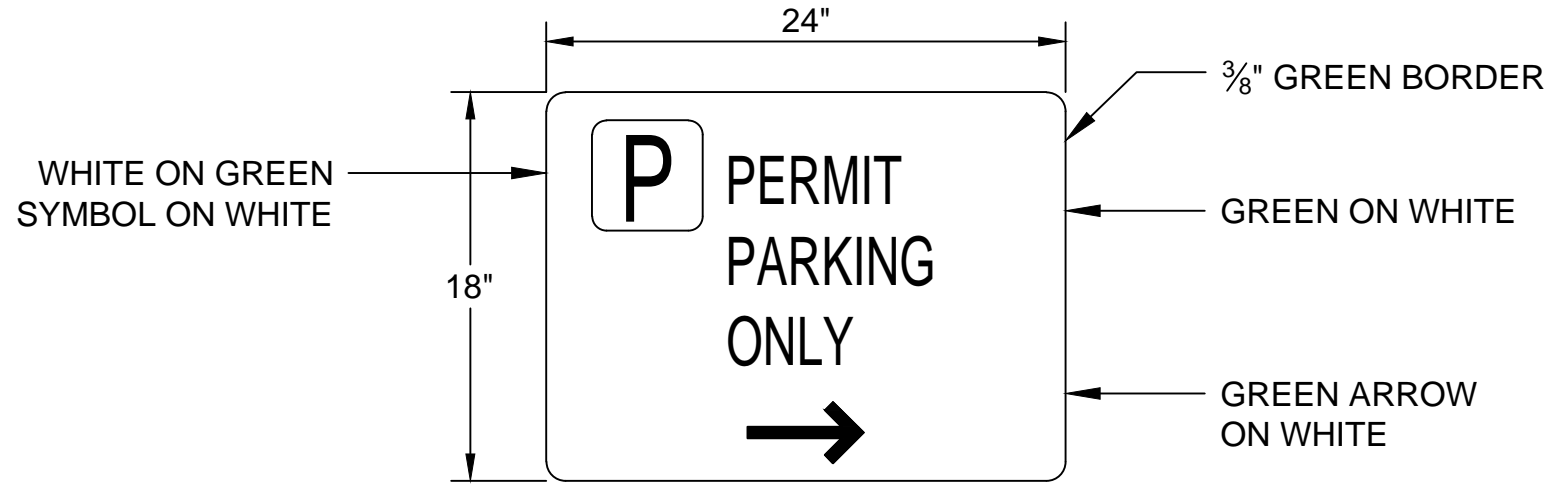
PERMIT PARKING ONLY-BOTH(PPO-B)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
2.51	PPO-B	PPO-B	24" x 18"	OUTSIDE BORDER "P" SYMBOL LINES 1, 2, & 3 ARROW	0.375" 4.00" x 4.00" 2.25" 7.50" x3.89"	GREEN WHITE ON GREEN ON WHITE GREEN ON WHITE GREEN ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



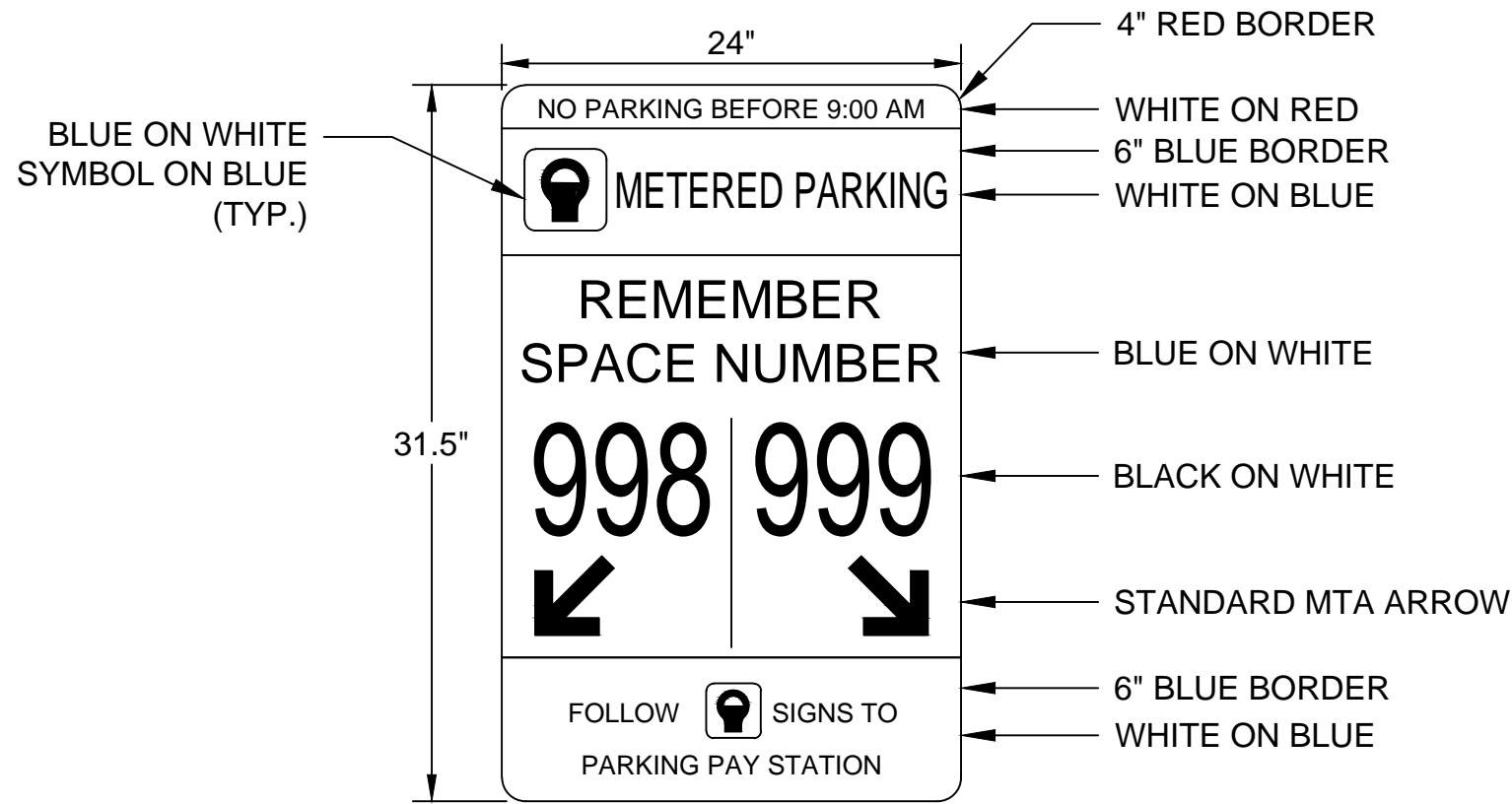
PERMIT PARKING ONLY-LEFT(PPO-L)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
2.52	PPO-L	PPO-L	24" x 18"	OUTSIDE BORDER "P" SYMBOL LINES 1, 2, & 3 ARROW	0.375" 4.00" x 4.00" 2.25" 6.00" x3.89"	GREEN WHITE ON GREEN ON WHITE GREEN ON WHITE GREEN ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



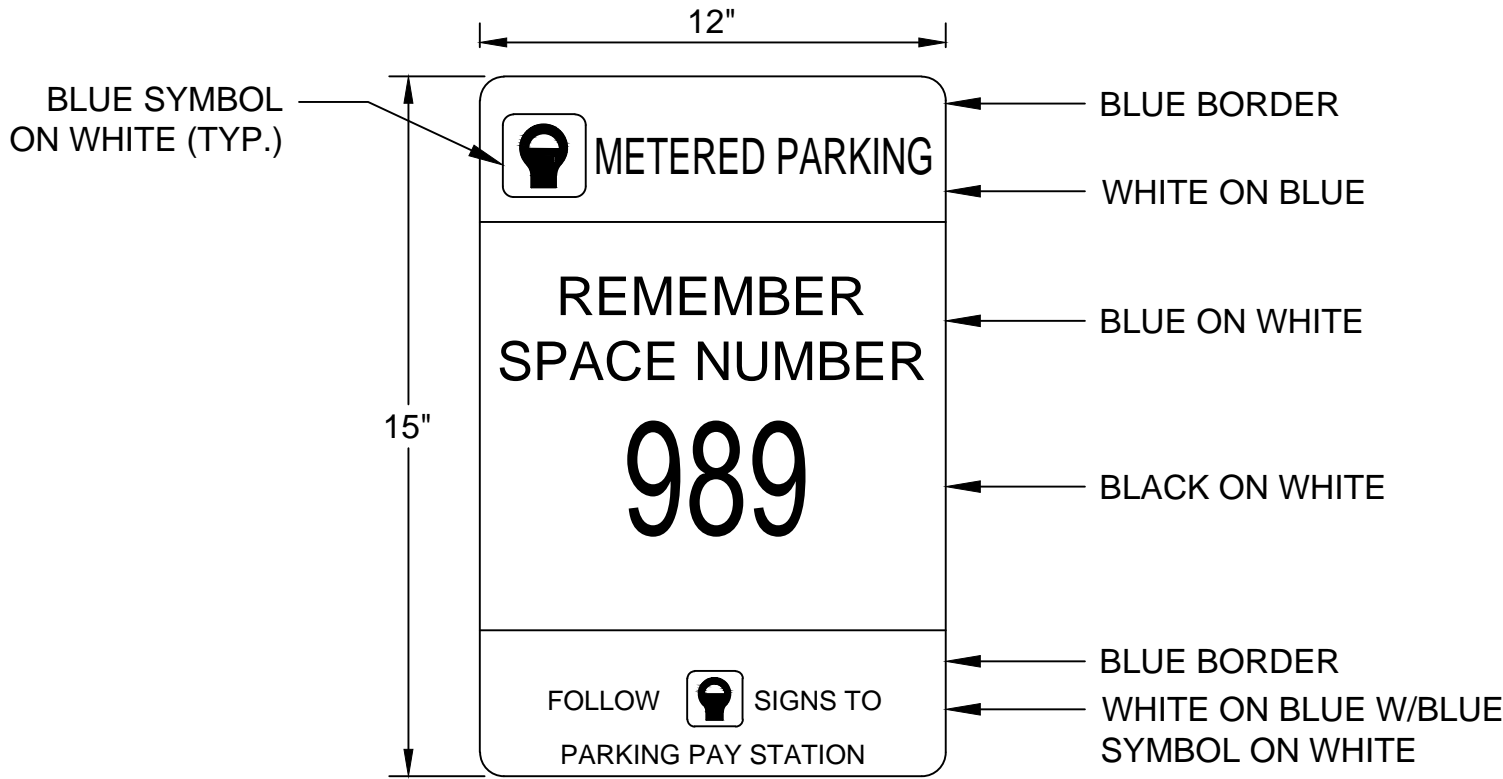
PERMIT PARKING ONLY-RIGHT(PPO-R)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
2.53	PPO-R	PPO-R	24" x 18"	OUTSIDE BORDER "P" SYMBOL LINES 1, 2, & 3 ARROW	0.375" 4.00" x 4.00" 2.25" 6.00" x3.89"	GREEN WHITE ON GREEN ON WHITE GREEN ON WHITE GREEN ON WHITE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



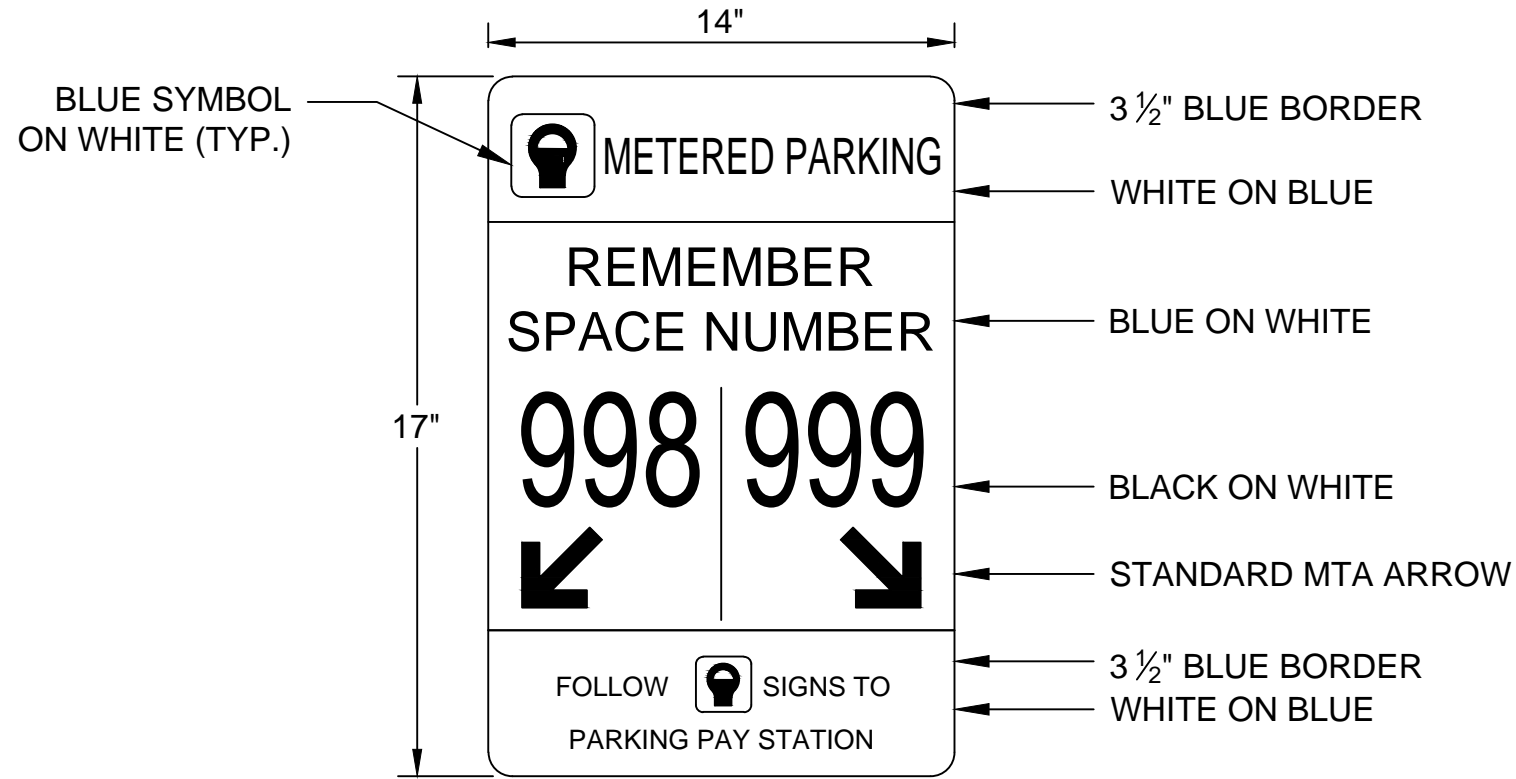
METERED PARKING-OFF PEAK DOUBLE NEW 2 (MP-OPDN2)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
3.09	MP-OPDN2	MP-OPDN2	24" x 31.5"	TOP BORDER LINES 1 MIDDLE BORDER LINE 2 SYMBOL LINE 2 LINES 3 & 4 LINE 5 ARROWS BOTTOM BORDER LINES 6 & 7 LINE 6 SYMBOL	4.00" 0.98" 6.00" 3.00" x 3.00" 1.50" 1.50" 4.50" 3.68" 6.00" 1.13" 1.50" x 1.50"	RED WHITE ON RED BLUE BLUE ON WHITE ON BLUE WHITE ON BLUE BLUE ON WHITE BLACK ON WHITE BLACK ON WHITE BLUE WHITE ON BLUE BLUE ON WHITE ON BLUE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.100"	ENGINEER'S GRADE	2	1			



METERED PARKING-SINGLE SMALL (MP-SS)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
3.31	MP-SS	MP-SS	12" x 15"	TOP BORDER LINES 1 SYMBOL LINE 1 LINES 2 & 3 LINE 4 LINES 5 & 6 LINE 5 SYMBOL BOTTOM BORDER	3.25" 1.75" x 1.75" 0.85" 0.85" 3.00" 0.65" 0.75" x 0.75" 3.65"	BLUE BLUE ON WHITE ON BLUE WHITE ON BLUE BLUE ON WHITE BLACK ON WHITE WHITE ON BLUE BLUE ON WHITE ON BLUE BLUE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.125"	ENGINEER'S GRADE	0	1			



METERED PARKING-DOUBLE NEW SMALL (MP-DNS)

SIGN ASSEMBLY	PANEL NAME(S)	SIGN TITLE	SIZE (w x h)	TEXT SPECIFICATIONS		
				DESCRIPTION	SIZE/HT.	COLOR
3.13	MP-DNS	MP-DNS	14" x 17"	TOP BORDER LINES 1 SYMBOL LINE 1 LINES 2 & 3 LINE 4 ARROW LINES 5 & 6 LINE 5 SYMBOL BOTTOM BORDER	3.50" 1.75" x 1.75" 0.88" 0.88" 2.63" 2.14" 0.66" 0.88" x 0.88" 3.50"	BLUE BLUE ON WHITE ON BLUE WHITE ON BLUE BLUE ON WHITE BLACK ON WHITE WHITE ON BLUE BLUE ON WHITE ON BLUE BLUE
ALUMINUM THICKNESS	REFLECTIVE SHEETING TYPE	NO. OF Z-BAR(S)	NO. OF CHANNEL POST(S)			
0.125"	ENGINEER'S GRADE	0	1			

DESIGNED  
L.M.  
DRAWN  
D.C.Y.  
CHECKED  
E.B.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

AECOM



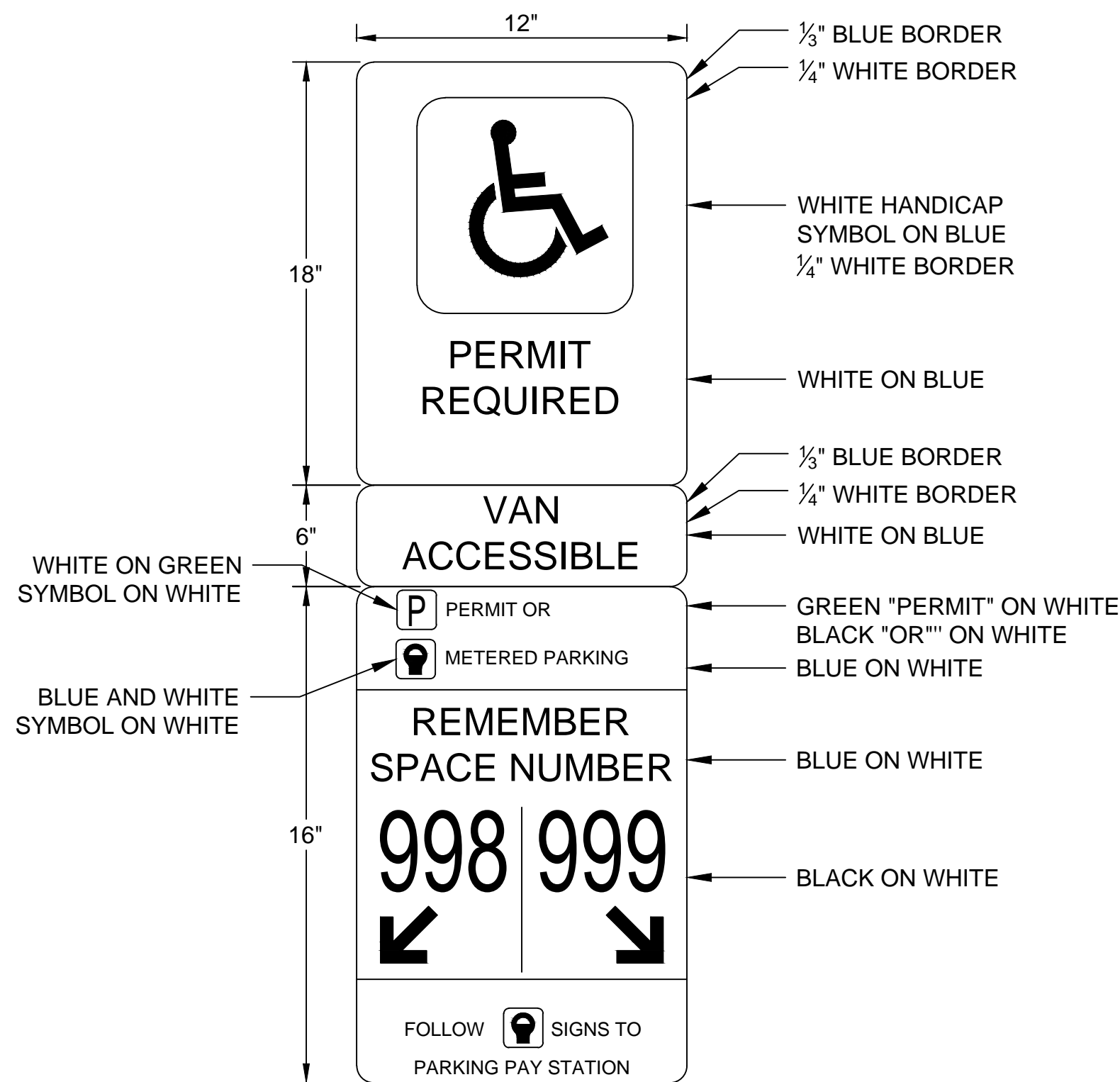
Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

SIGNAGE DETAILS  
5 OF 6

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 08-21-2020
DRAWING NO. C-524	
SHEET 38 OF 105	




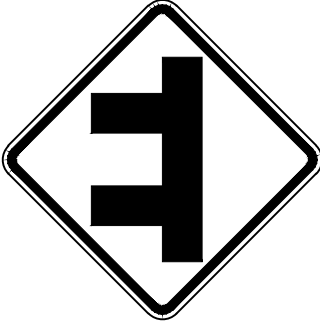









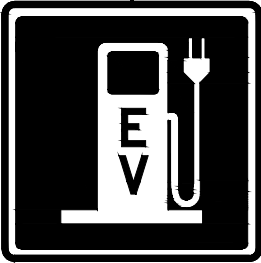




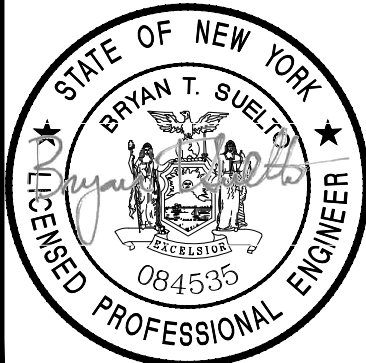
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SIGN TEXT DATA TABLE

TEXT	SIZE (WIDTH X HEIGHT)	MOUNT TYPE	COLOR	
			LEGEND	BACKGROUND
 R1-1	30" x 30"	Gr.M.	WHITE	RED
 R7-1	12" x 18"	Gr.M.	RED	WHITE
 R2-1 (MOD.)	24" x 30"	Gr.M.	BLACK	WHITE
 W2-8L	30" x 30"	Gr.M.	BLACK	YELLOW
 W1-4R	30" x 30"	Gr.M.	BLACK	YELLOW
 NYP1-7	12" x 18"	Gr.M.	RED	WHITE

TEXT	SIZE (WIDTH X HEIGHT)	MOUNT TYPE	COLOR	
			LEGEND	BACKGROUND
 1	84" x 12"	Gr.M.	WHITE	GREEN
 R5-1	30" x 30"	Gr.M.	RED	WHITE
 R7-107	12" x 18"	Gr.M.	RED	WHITE
 R6-1L	36" x 12"	Gr.M.	WHITE	BLACK
 R6-1R	36" x 12"	Gr.M.	WHITE	BLACK
 D9-11b	24" x 24"	Gr.M.	BLUE/ WHITE	BLUE

DESIGNED  
B.T.S.  
DRAWN  
H.M.Y.  
CHECKED  
W.T.C.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
SIGN TEXT  
DATA TABLE

CONTRACT NO. 142486	
SCALE NTS	DATE 05-18-2021
DRAWING NO. C-530	
SHEET 40 OF 105	



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MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. REFER TO DWG. G-102 FOR GENERAL NOTES AND LEGEND.
2. ALL MAINTENANCE AND PROTECTION OF TRAFFIC WORK SHALL CONFORM TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE NEW YORK STATE SUPPLEMENT HEREBY DEFINED AS MUTCD EXCEPT AS MODIFIED IN THE PLANS.
3. THE CONTRACTOR MUST NOTIFY THE ENGINEER, THE TOWN OF SOMERS, NYSDOT - REGION 8 TRAFFIC & SAFETY DEPARTMENT AND NYSDEC AT LEAST TWO WEEKS IN ADVANCE OF THE BEGINNING OF WORK ON A TRAVEL LANE. NOTIFICATION SHALL BE IN WRITING AFTER RECEIPT OF CONCURRENCE FROM THE ENGINEER.
4. PRIOR TO PERFORMING WORK AFFECTING ROUTE 202 AND CROTON FALLS ROAD, CONTRACTOR SHALL APPLY FOR AND OBTAIN PERMIT FROM NYSDOT AND TOWN OF SOMERS, RESPECTIVELY.
5. IF AT ANY TIME, IN THE OPINION OF THE ENGINEER, CONDITIONS SHALL WARRANT MODIFICATIONS TO THE SCHEME SHOWN ON THIS OR OTHER MAINTENANCE AND PROTECTION OF TRAFFIC DRAWINGS, THE CONTRACTOR SHALL PERFORM THE MODIFICATIONS INCLUDING REOPENING OF ANY LANE CLOSURES ON AN EMERGENCY BASIS A.O.B.E.
6. CONSTRUCTION SIGNS SHALL BE POSTED ONLY WHILE WORK IS IN PROGRESS. CONSTRUCTION SIGNS HAVING CENTER-HINGED SIGN PANELS OR HAVING FOLDING PORTABLE SIGN SUPPORTS SHALL BE FOLDED DOWN WHEN THE WORK THEY PERTAIN TO IS NOT IN PROGRESS. OTHER CONSTRUCTION SIGNS WHICH CANNOT BE FOLDED DOWN SHALL BE REMOVED OR COMPLETELY COVERED.
7. ALL CONSTRUCTION SIGNS SHALL HAVE A FLUORESCENT ORANGE BACKGROUND, REFLECTORIZED, WITH BLACK LETTERS AND BORDERS. LEGEND TEXT SHALL BE A MINIMUM OF 6" ON LOCAL STREET SIGNS, UNLESS OTHERWISE DIRECTED BY THE E.I.C. THE CONTRACTOR SHALL IDENTIFY ALL CONSTRUCTION SIGNS WITH CONTRACTOR'S COMPANY LOGO, 1 AGENCY NAME AND CONTRACT NUMBER, EACH FROM ½ TO 2 INCHES IN HEIGHT AS 2 APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE SIZE AND LEGEND OF ALL CONSTRUCTION SIGNS TO THE ENGINEER PRIOR TO FABRICATION.
8. THE BOTTOM OF TEMPORARY CONSTRUCTION SIGNS SHALL BE A MINIMUM OF 7'-0" ABOVE THE TRAVEL PAVEMENT AND THE EDGES OFFSET A MINIMUM OF 2'-0" CLEAR OF THE TRAVEL LANE, AS SHOWN ON THE CONTRACT DOCUMENTS OR A.O.B.E. IF THE 2'-0" HORIZONTAL CLEARANCE CANNOT BE MET, THE CONTRACTOR MAY USE THE EQUIVALENT RECTANGULAR SIGN. IF THE 2'-0" CLEARANCE CANNOT BE MET USING RECTANGULAR SIGNS, THE SIGN SHALL BE MOUNTED A MINIMUM OF 13'-0" ABOVE THE TRAVEL PAVEMENT. UNDER NO CIRCUMSTANCES WILL THE CLIPPING OF SIGNS OR USAGE OF PREVIOUSLY CLIPPED SIGNS BE ALLOWED.
9. WARNING SIGNS SHALL BE LOCATED SO AS TO BE VISIBLE AN ADEQUATE DISTANCE AND PROVIDE SUFFICIENT ADVANCE WARNING TO DRIVERS. THEY SHALL NOT BE BLOCKED BY FOLIAGE, ROADWAY FEATURES, OR OTHER SIGNS AND TRAFFIC CONTROL DEVICES. NO STATIONARY MOUNTING OF CONSTRUCTION SIGNS SHALL BE PERMITTED ON UTILITY POLES OR OTHER ROADSIDE ELEMENTS. SIGNS SHALL BE ORIENTED ESSENTIALLY PERPENDICULAR TO THE DIRECTION OF TRAFFIC. WHERE THE SIGN CANNOT BE LOCATED SO AS TO BE VISIBLE UNDER HEADLIGHT ILLUMINATION, OTHER ILLUMINATION SHALL BE CONSIDERED TO ENHANCE VISIBILITY OR THE SIGN SHALL BE RELOCATED.
10. ALL TEMPORARY SIGNS FOR MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE PAID FOR BY THE CONTRACTOR.
11. THE CONTRACTOR MAY SUBMIT REVISIONS TO THIS PLAN AT NO COST TO THE METRO NORTH RAIL ROAD FOR APPROVAL BY THE TOWN OF SOMERS.
12. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM MAINTENANCE CLEANING OF THE PAVEMENT WITHIN THE CONTRACT LIMITS WHEN ORDERED BY THE ENGINEER. MAINTENANCE CLEANING SHALL MEAN THE REMOVAL OF DEBRIS FROM ANY SOURCE, WHICH IN THE OPINION OF THE ENGINEER IMPEDES FLOW OF TRAFFIC OR STORMWATER.
13. VARIOUS MAINTENANCE AND CONSTRUCTION SIGNS SPECIFIED IN PART 6 OF THE NATIONAL M.U.T.C.D. ARE AVAILABLE IN THE STANDARD DIAMOND SHAPE AND AN ALTERNATE RECTANGULAR SHAPE. WHENEVER SUCH SIGNS ARE INCLUDED IN THIS CONTRACT, THE DIAMOND SHAPE SIGN SHALL BE USED, DESPITE OTHER INDICATIONS IN CHAPTER 6F.

14. A HOLIDAY EMBARGO IS IN EFFECT FOR THE HOLIDAYS (AS DETERMINED BY THE STATE OF NEW YORK) WITH THE FOLLOWING PROVISIONS: WHEN A HOLIDAY FALLS OR IS OBSERVED BY THE TOWN OF SOMERS ON A MONDAY OR FRIDAY, NO LANE CLOSURES ARE PERMITTED FROM NOON ON THE PREVIOUS BUSINESS DAY TO 6:01 A.M. ON THE FOLLOWING BUSINESS DAY. FOR EXAMPLE, IF THE HOLIDAY FALLS OR IS OBSERVED ON FRIDAY, THEN NO LANE CLOSURE WOULD BE PERMITTED FROM 12:01 PM ON THURSDAY TO 6:01 A.M. ON MONDAY. IF THE HOLIDAY FALLS OR IS OBSERVED ON MONDAY THEN NO LANE CLOSURE IS PERMITTED FROM 12:01 P.M. ON FRIDAY TO 6:01 A.M. ON TUESDAY. IN ADDITION WHEN A HOLIDAY FALLS OR IS OBSERVED MIDWEEK (TUESDAY, WEDNESDAY OR THURSDAY) NO LANE CLOSURE SHALL BE PERMITTED FROM NOON ON THE PREVIOUS BUSINESS DAY TO 6:01 A.M. ON THE FOLLOWING BUSINESS DAY.

THE HOLIDAY EMBARGO AS DETAILED ABOVE, IS IN EFFECT FOR THE FOLLOWING HOLIDAYS:

NEW YEAR'S DAY, MOTHERS DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, CHRISTMAS DAY.

NOTE: FOR THANKSGIVING DAY THE EMBARGO BEGINS ON WEDNESDAY AT 12 NOON AND EXTENDS TO MONDAY 6A, AT WHICH TIME THE ORIGINAL STIPULATIONS SHALL BE IN EFFECT.

15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES.
16. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LAYOUT DIMENSIONS SHOWN AND STAKE OUT THE PROJECT TO THE SATISFACTION OF THE ENGINEER.
17. THE CONTRACTOR SHALL PERFORM THE WORK WITH CARE SO THAT ANY COMPONENTS THAT ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE OWNER WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY COMPONENTS THAT ARE TO REMAIN IN PLACE, INCLUDING CURBS AND SIDEWALKS, OR WHICH ARE TO REMAIN THE PROPERTY OF THE UTILITY OWNER, THE DAMAGED COMPONENTS SHALL BE REPLACED AND/OR REPAIRED IN KIND, IN A MANNER SATISFACTORY TO THE ENGINEER AT NO ADDITIONAL COST TO THE METRO NORTH RAIL ROAD..
18. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL WORK. ANY DISCREPANCIES IN THE CONTRACT DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
19. THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND EQUIPMENT REQUIRED TO PERFORM THE WORK.
20. ALL CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN STRICT COMPLIANCE WITH APPLICABLE TOWN OF SOMERS NOISE REGULATIONS.
21. THE CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO LEAVE DEBRIS, MATERIALS AND TOOLS ON THE ROADWAY SURFACE WHEN OPEN FOR TRAFFIC. IN ADDITION, THE CONTRACTOR SHALL TAKE PRECAUTIONS SO THAT NO DEBRIS INTERFERES WITH ADJACENT OPEN TRAFFIC LANES AND PEDESTRIAN SAFETY WALKS.
22. THE CONTRACTOR SHALL PERFORM WORK DURING DAYTIME HOURS 8A-4P, MONDAY TO FRIDAY, A.O.B.E.
23. THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH APPROPRIATE SIGNING WHENEVER OPERATIONS INTERFERE WITH PEDESTRIAN TRAFFIC. ALL FLAGGERS USED MUST BE FORMALLY TRAINED IN PROPER FLAGGING PROCEDURES AND FHWA-CERTIFIED.
24. THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT MARKINGS IN PARKING LOTS USING STANDARD PAINT. FOR TEMPORARY MARKINGS ON ROADWAYS, THE CONTRACTOR SHALL INSTALL WET REFLECTIVE HIGH BUILD PAINT. BOTH PAINTS SHALL CONFORM TO SPECIFICATION 32 17 25.

MAINTENANCE AND PROTECTION OF TRAFFIC LEGEND

• • •	CONES
⊙ ⊙ ⊙	DRUMS
→	TEMPORARY SIGN
⌵	TYPE III BARRICADE
■	FLAGGER
	WORK ZONE
←	TEMPORARY FLOW DIRECTION
↗	HAUL ROUTE DIRECTION
	TEMPORARY WALKWAY
	TIMBER CURB
	UNPINNED TCB
	TRAFFIC ENFORCEMENT AGENT
	NARROW IMPACT ATTENUATOR

MAINTENANCE AND PROTECTION OF TRAFFIC ABBREVIATIONS

@	AT
A.O.B.E.	AS ORDERED BY ENGINEER
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
CO.	COMPANY
CLF	CHAIN-LINK FENCE
CFR	CROTON FALLS ROAD
DIA.	DIAMETER
DWG.	DRAWING
EOP	EDGE OF PVEMENT
EXIST.	EXISTING
EXT.	EXTENSION
FHWA	FEDERAL HIGHWAY ADMINISTRATION
GAL.	GALLON
GALV.	GALVANIZED
GR.M	GROUND-MOUNTED
HC	HANDICAP
HHCS	HEX HEAD CAP SCREW
MAX.	MAXIMUM
MIN.	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MNR	METRO-NORTH RAILROAD
MPH	MILES PER HOUR
MPT	MAINTENANCE AND PROTECTION OF TRAFFIC
NCHRP	NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM
NO.	NUMBER
NTS	NOT TO SCALE
NYSDEC	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
SCH.	SCHEME
SUPPL.	SUPPLEMENTAL
TCB	TEMPORARY CONCRETE BARRIER
TEMP.	TEMPORARY
TYP.	TYPICAL
W/	WITH
WB	WESTBOUND

DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.

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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



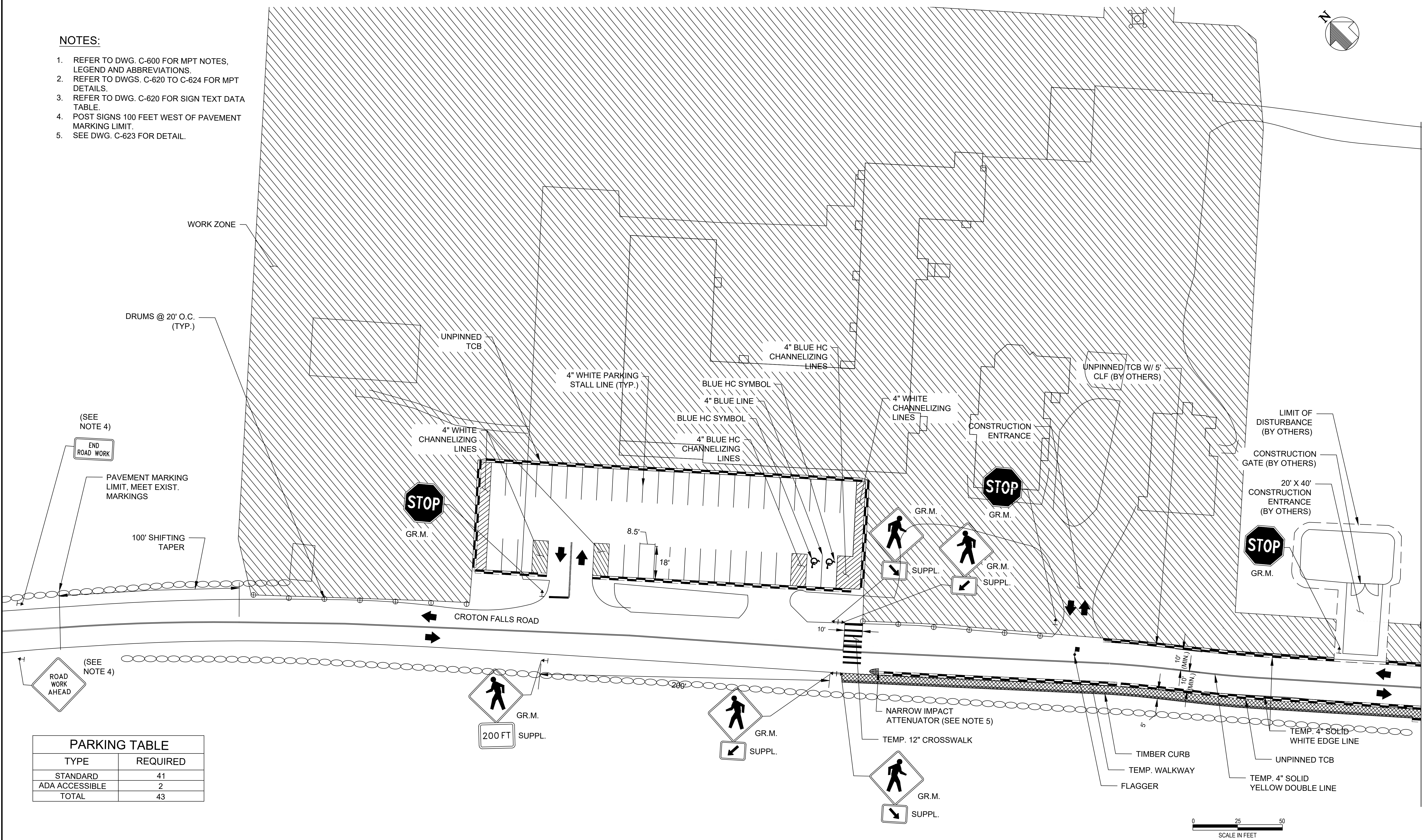
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC -  
NOTES, LEGEND,  
AND ABBREVIATIONS

CONTRACT NO. 142486	
SCALE NTS	DATE 03-03-2021
DRAWING NO. C-600	
SHEET 41 OF 105	



NOTES:

1. REFER TO DWG. C-600 FOR MPT NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO DWGS. C-620 TO C-624 FOR MPT DETAILS.
3. REFER TO DWG. C-620 FOR SIGN TEXT DATA TABLE.
4. POST SIGNS 100 FEET WEST OF PAVEMENT MARKING LIMIT.
5. SEE DWG. C-623 FOR DETAIL.



PARKING TABLE	
TYPE	REQUIRED
STANDARD	41
ADA ACCESSIBLE	2
TOTAL	43

DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.

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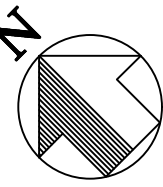
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AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC  
PLAN - WORK BEYOND  
SHOULDER 1 OF 2

CONTRACT NO. 142486	
SCALE 1" = 25'	DATE 08-21-2020
DRAWING NO. C-610	
SHEET 42 OF 105	



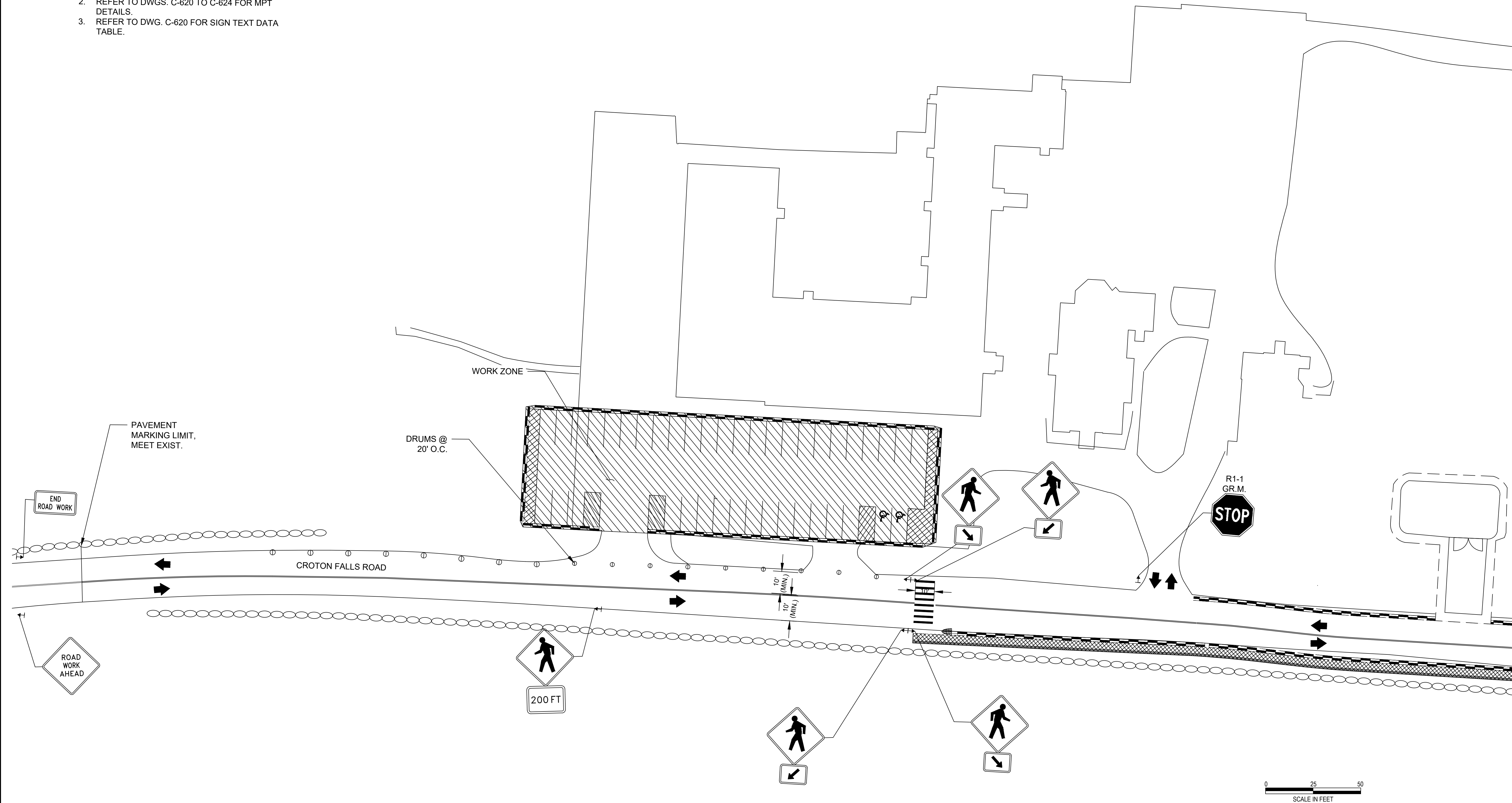






NOTES:

- 1. REFER TO DWG. C-600 FOR MPT NOTES, LEGEND AND ABBREVIATIONS.
- 2. REFER TO DWGS. C-620 TO C-624 FOR MPT DETAILS.
- 3. REFER TO DWG. C-620 FOR SIGN TEXT DATA TABLE.



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DESIGNED  
B.T.S.

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H.M.Y.

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W.T.C.

APPROVED  
E.B.

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NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					



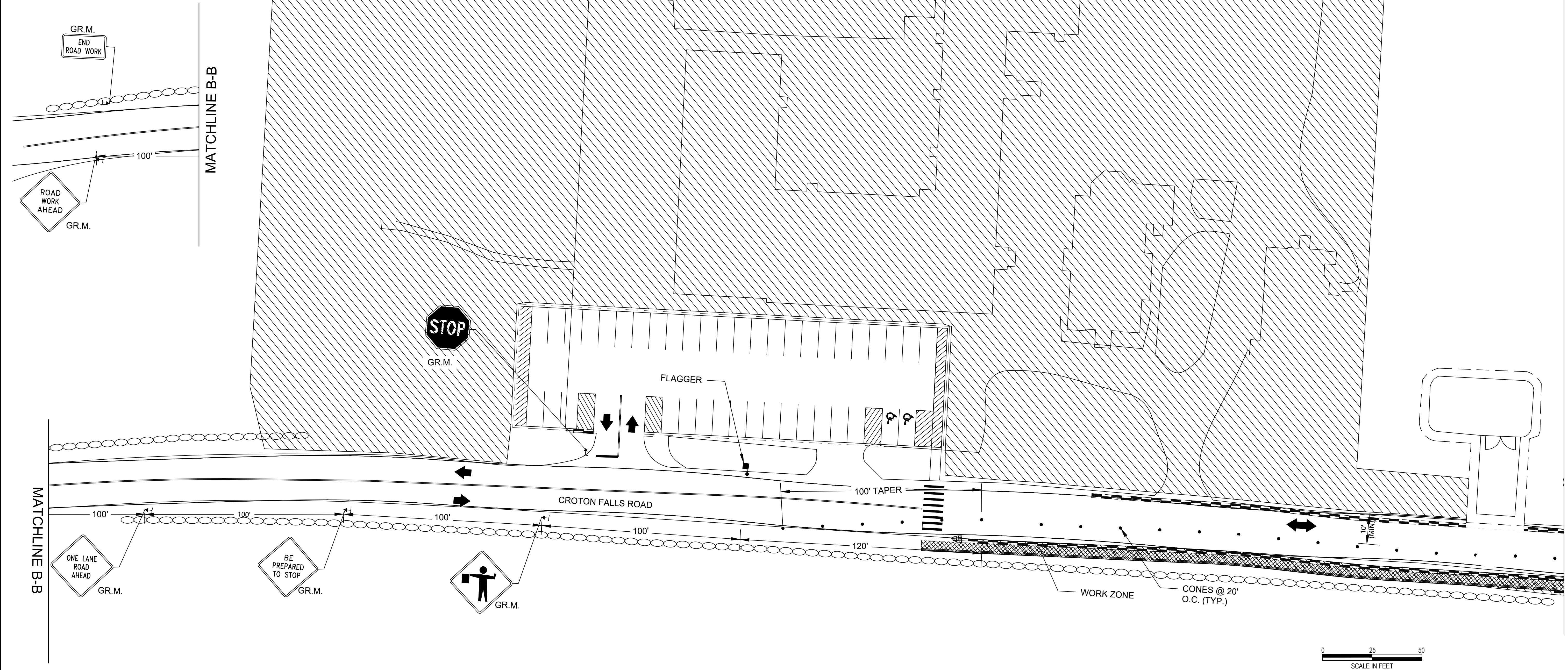
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UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC  
PLAN - WORK BEYOND  
SHOULDER - WB CFR

CONTRACT NO. 142486	
SCALE 1" = 25'	DATE 08-21-2020
DRAWING NO. C-612	
SHEET 44 OF 105	



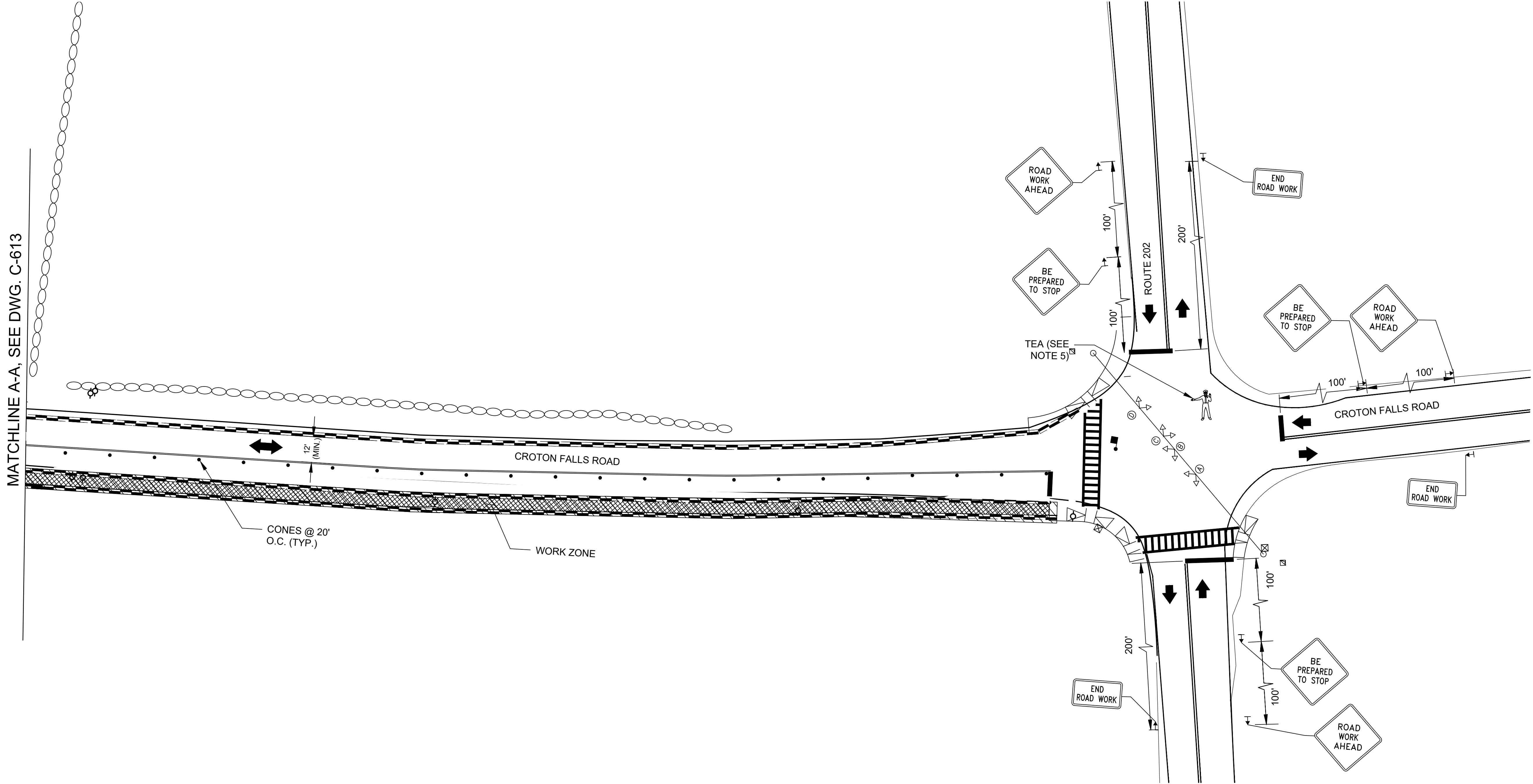
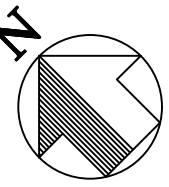
NOTES:

1. REFER TO DWG. C-600 FOR MPT NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO DWGS. C-620 TO C-624 FOR MPT DETAILS.
3. REFER TO DWG. C-620 FOR SIGN TEXT DATA TABLE.
4. FOR MILL AND PAVE OF CROTON FALLS ROAD, USE THIS MPT PLAN AND EXTEND WORK ZONE TO BUTTERVILLE ROAD INTERSECTION, WEST OF THE NEW PARKING LOT. REFER TO CIVIL SERIES DRAWINGS FOR PAVING LIMITS.
5. USE THIS MPT FOR ELECTRICAL WORK NEAR CROSSWALK AREA. MIRROR THIS MPT PLAN FOR WORK ON THE WESTBOUND LANE OF CROTON FALLS ROAD



DESIGNED B.T.S.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<div>CONFORMED</div>								TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT MAINTENANCE AND PROTECTION OF TRAFFIC - DAYTIME LANE CLOSURE WITH FLAGGERS 1 OF 2	CONTRACT NO. 142486	
DRAWN H.M.Y.												SCALE 1" = 25'	DATE 05-18-2021
CHECKED W.T.C.												DRAWING NO. C-613	
APPROVED E.B.												SHEET 45 OF 105	





NOTES:

- 1. REFER TO DWG. C-600 FOR MPT NOTES, LEGEND AND ABBREVIATIONS.
- 2. REFER TO DWGS. C-620 TO C-623 FOR MPT DETAILS.
- 3. PERFORM WORK DURING DAYTIME HOURS FROM 10A-4P MON-FRI.
- 4. REFER TO DWG. C-620 FOR SIGN TEXT DATA TABLE.
- 5. DEPLOY TOWN OF SOMERS POLICE OFFICER AT THE CROTON FALLS RD/RTE 202 INTERSECTION TO MANAGE TRAFFIC OPERATIONS DURING WORK HOURS.



DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.

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NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

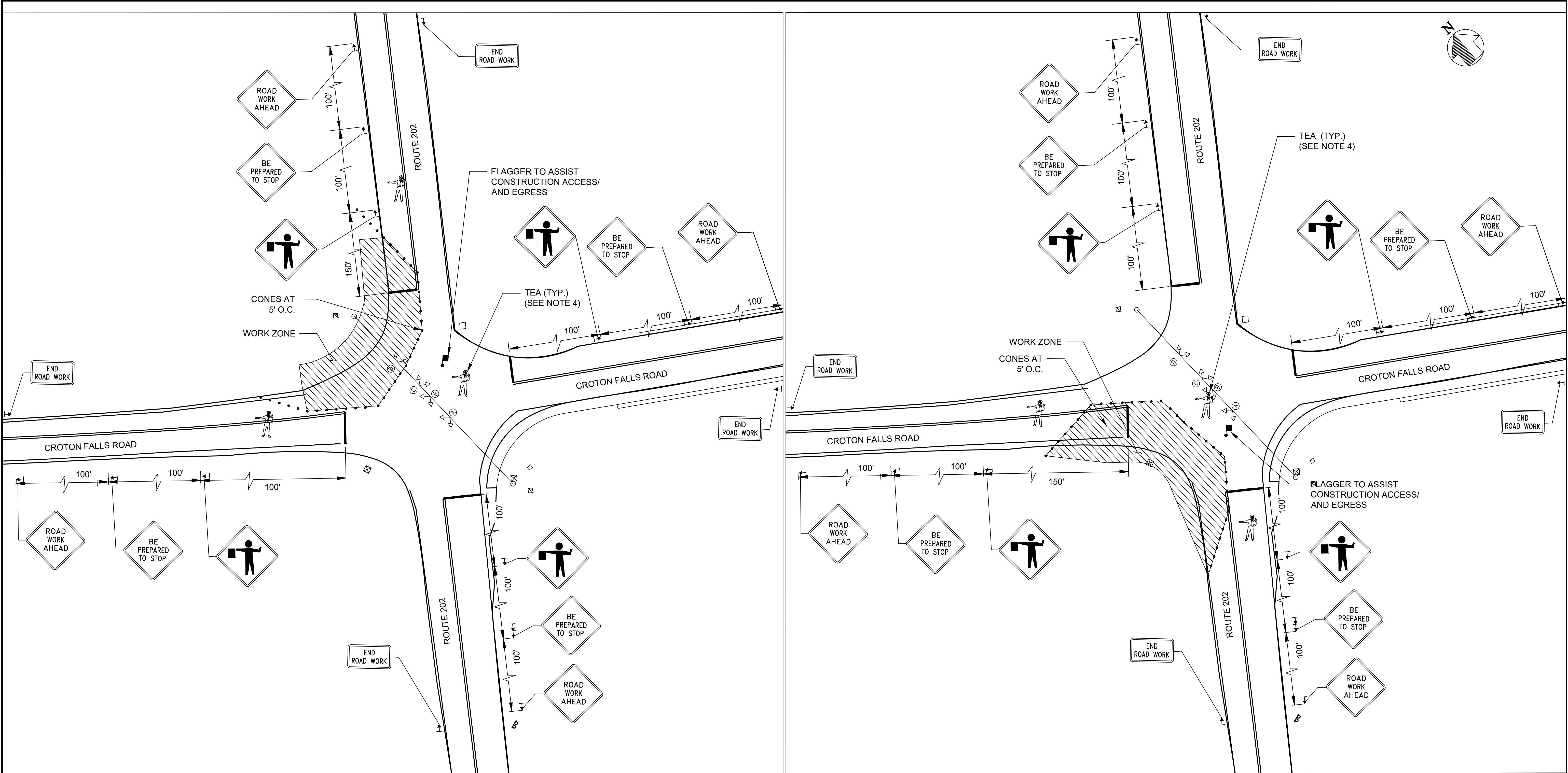


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC  
- DAYTIME LANE CLOSURE  
WITH FLAGGERS 2 OF 2

CONTRACT NO. 142486	
SCALE 1" = 25'	DATE 08-21-2020
DRAWING NO. C-614	
SHEET 46 OF 105	

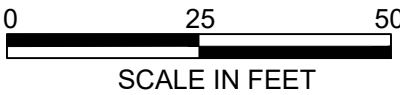
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NOTES:

1. REFER TO DWG. C-600 FOR MPT NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO DWGS. C-620 TO C-624 FOR MPT DETAILS.
3. REFER TO DWG. C-620 FOR SIGN TEXT DATA TABLE.
4. DEPLOY TOWN OF SOMERS POLICE OFFICER AT THE CROTON FALLS RD/RTE 202 INTERSECTION TO MANAGE TRAFFIC OPERATIONS DURING WORK HOURS.
5. FOR MILL AND PAVE, USE THIS MPT PLAN FOR PAVING WORK ON ROUTE 202. REFER TO CIVIL SERIES DRAWING: FOR PAVING LIMITS.



DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.

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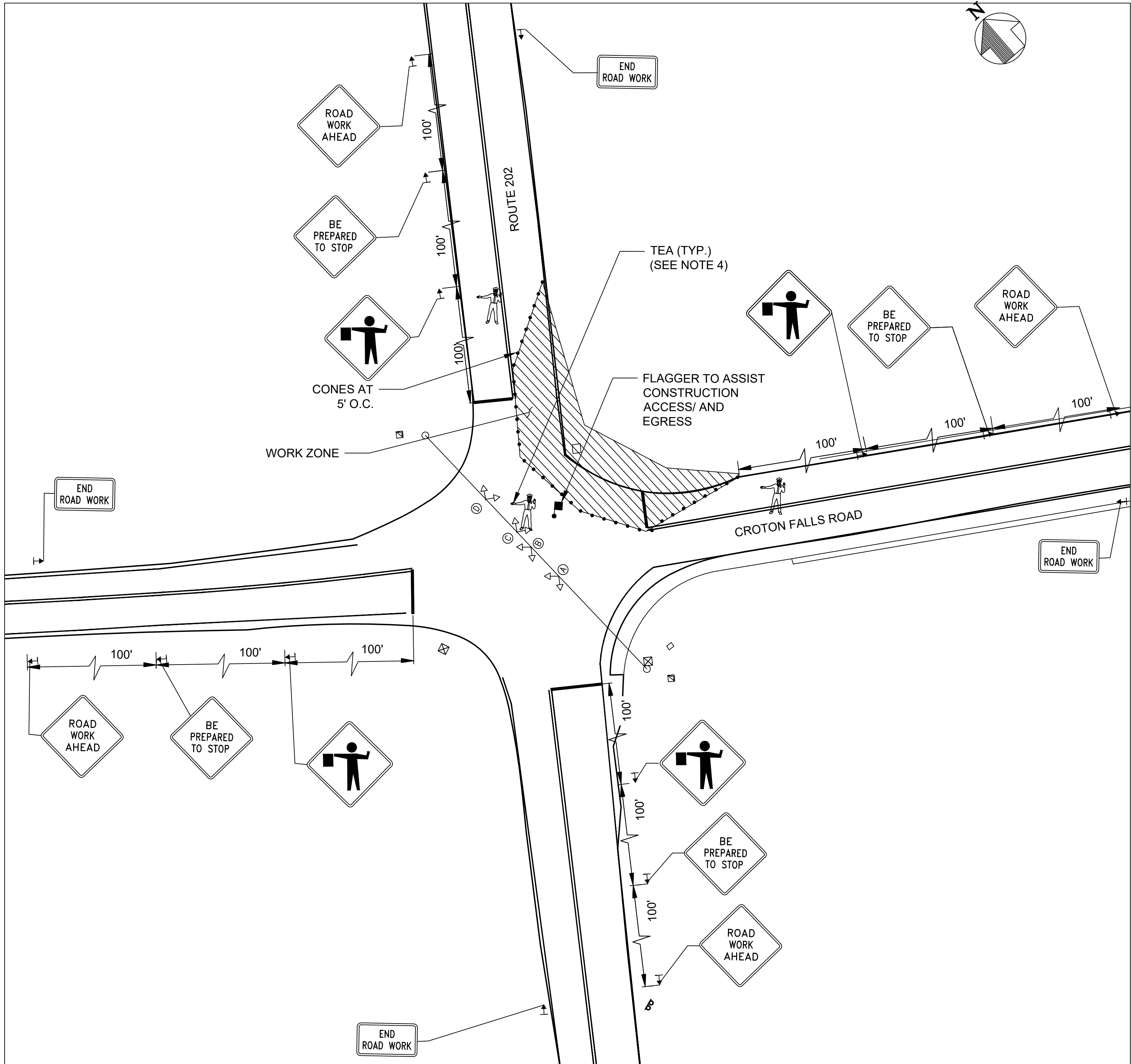
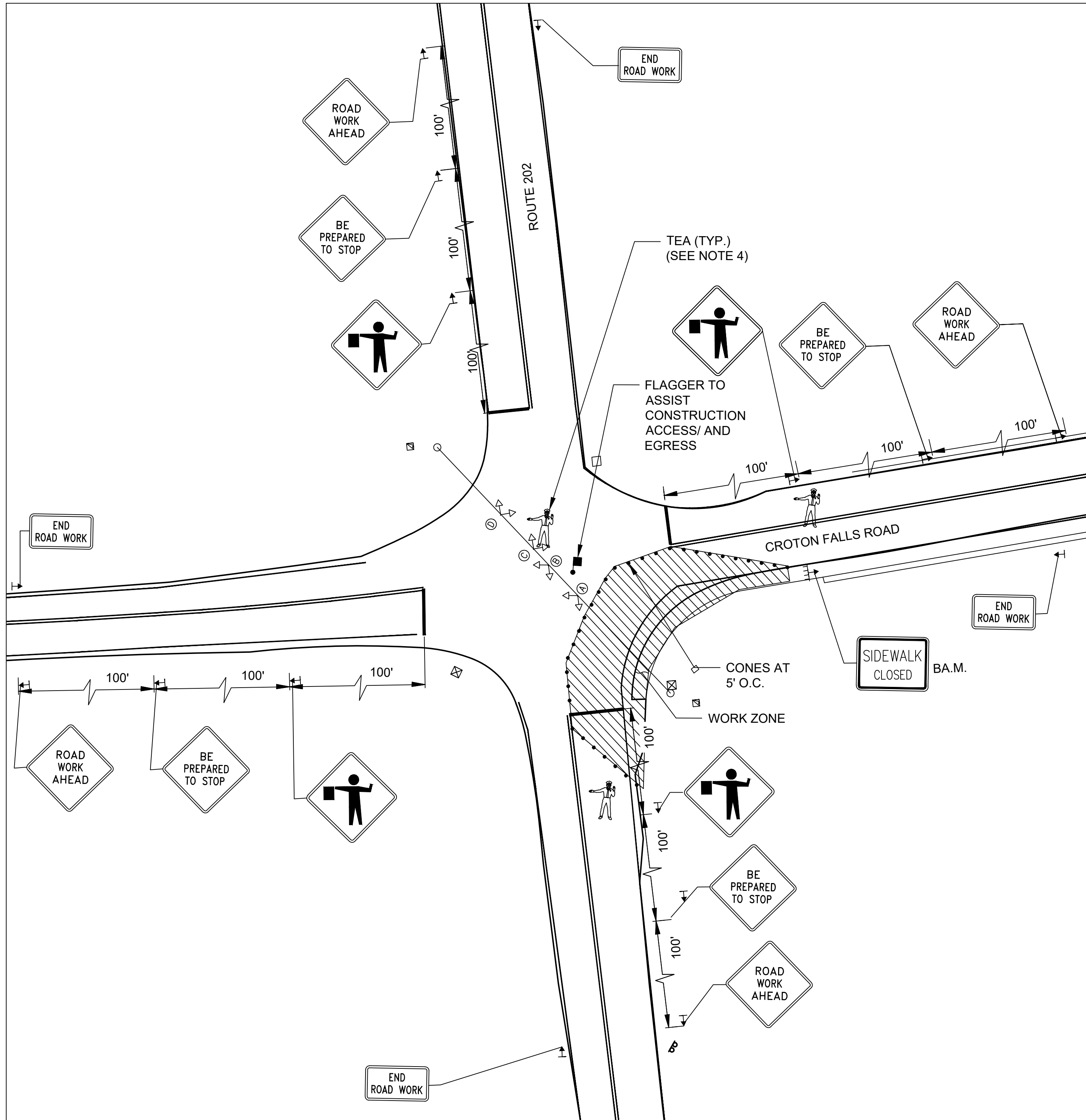
CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC  
PLAN - INTERSECTION  
CORNERS 1 OF 2

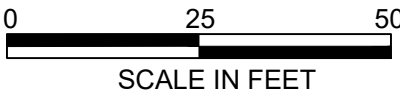
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SCALE 1" = 25'	DATE 05-18-2021
DRAWING NO. C-615	
SHEET 47 OF 105	



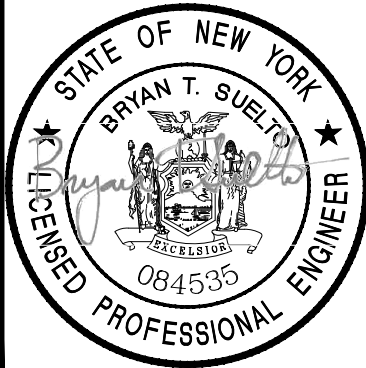


NOTES:

1. REFER TO DWG. C-600 FOR MPT NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO DWGS. C-620 TO C-624 FOR MPT DETAILS.
3. REFER TO DWG. C-620 FOR SIGN TEXT DATA TABLE.
4. DEPLOY TOWN OF SOMERS POLICE OFFICER AT THE CROTON FALLS RD/RTE 202 INTERSECTION TO MANAGE TRAFFIC OPERATIONS DURING WORK HOURS.
5. FOR MILL AND PAVE, USE THIS MPT PLAN FOR PAVING WORK ON ROUTE 202. REFER TO CIVIL SERIES DRAWING FOR PAVING LIMITS.



DESIGNED  
B.T.S.  
DRAWN  
H.M.Y.  
CHECKED  
W.T.C.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

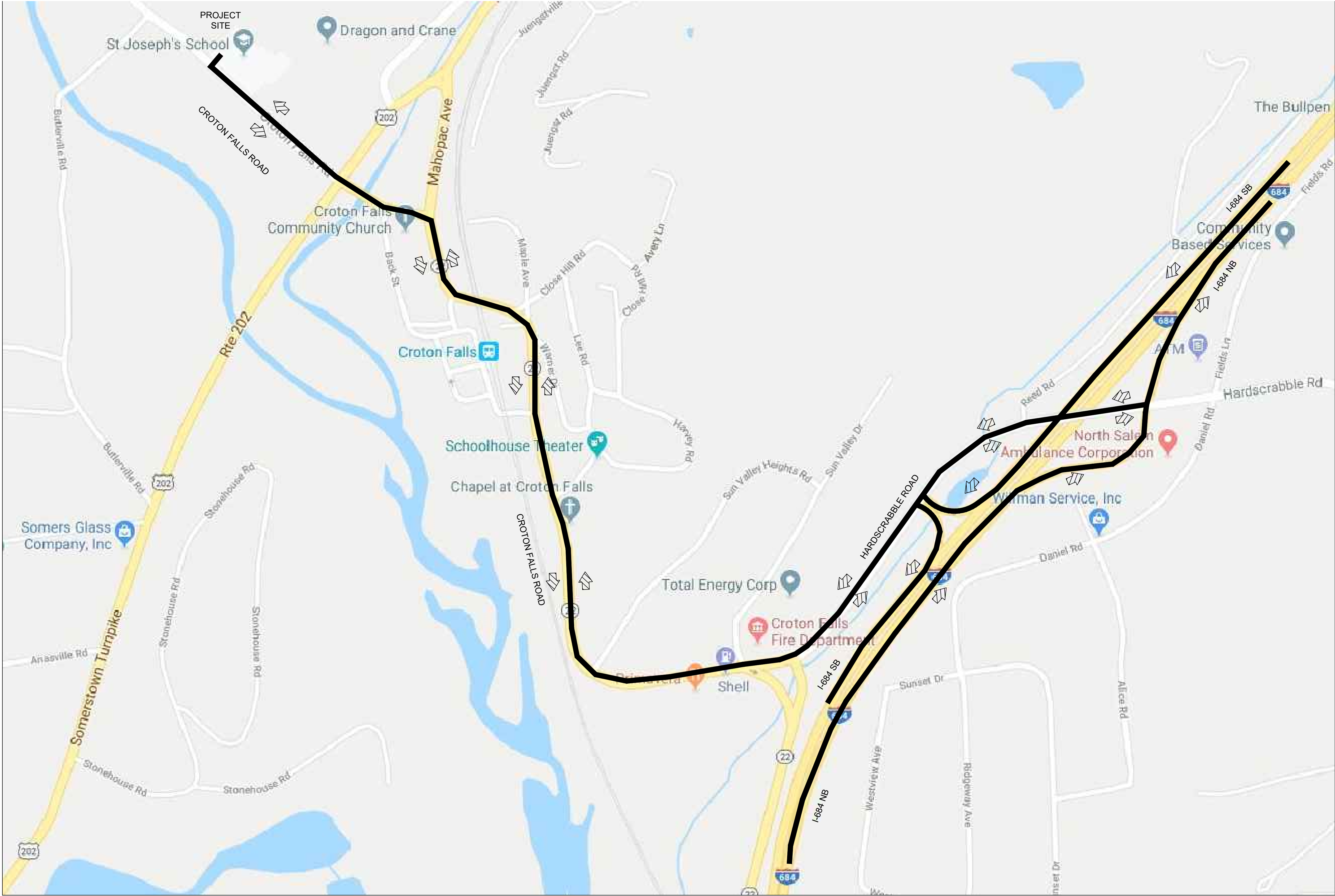
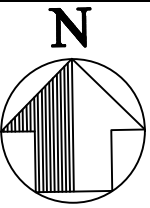
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TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC  
PLAN - INTERSECTION  
CORNERS 2 OF 2

CONTRACT NO.  
142486  
SCALE  
1" = 25'  
DATE  
05-18-2021  
DRAWING NO.  
C-616  
SHEET 48 OF 105





NOTES:

1. THIS DRAWING IS THE SUGGESTED HAUL ROUTE FOR ALL CONSTRUCTION-RELATED TRAFFIC (NON-PASSENGER CARS) TO USE FOR TRAVEL TO/FROM WORK ZONE DURING CONSTRUCTION.

DESIGNED B.T.S.
DRAWN H.M.Y.
CHECKED W.T.C.
APPROVED E.B.

BRYAN T. SUELTER  
REGISTERED PROFESSIONAL ENGINEER  
084535

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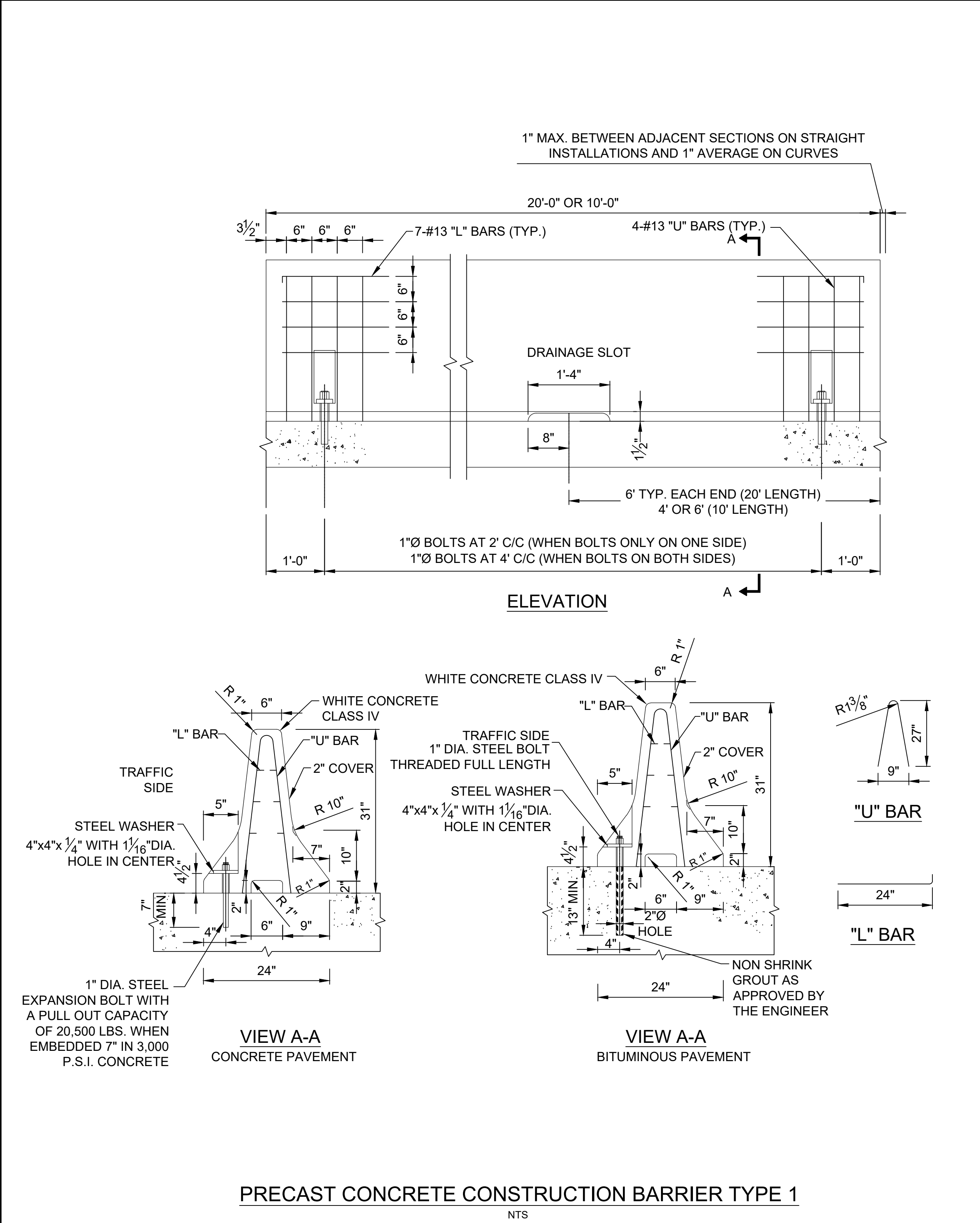
CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC -  
HAUL ROUTE

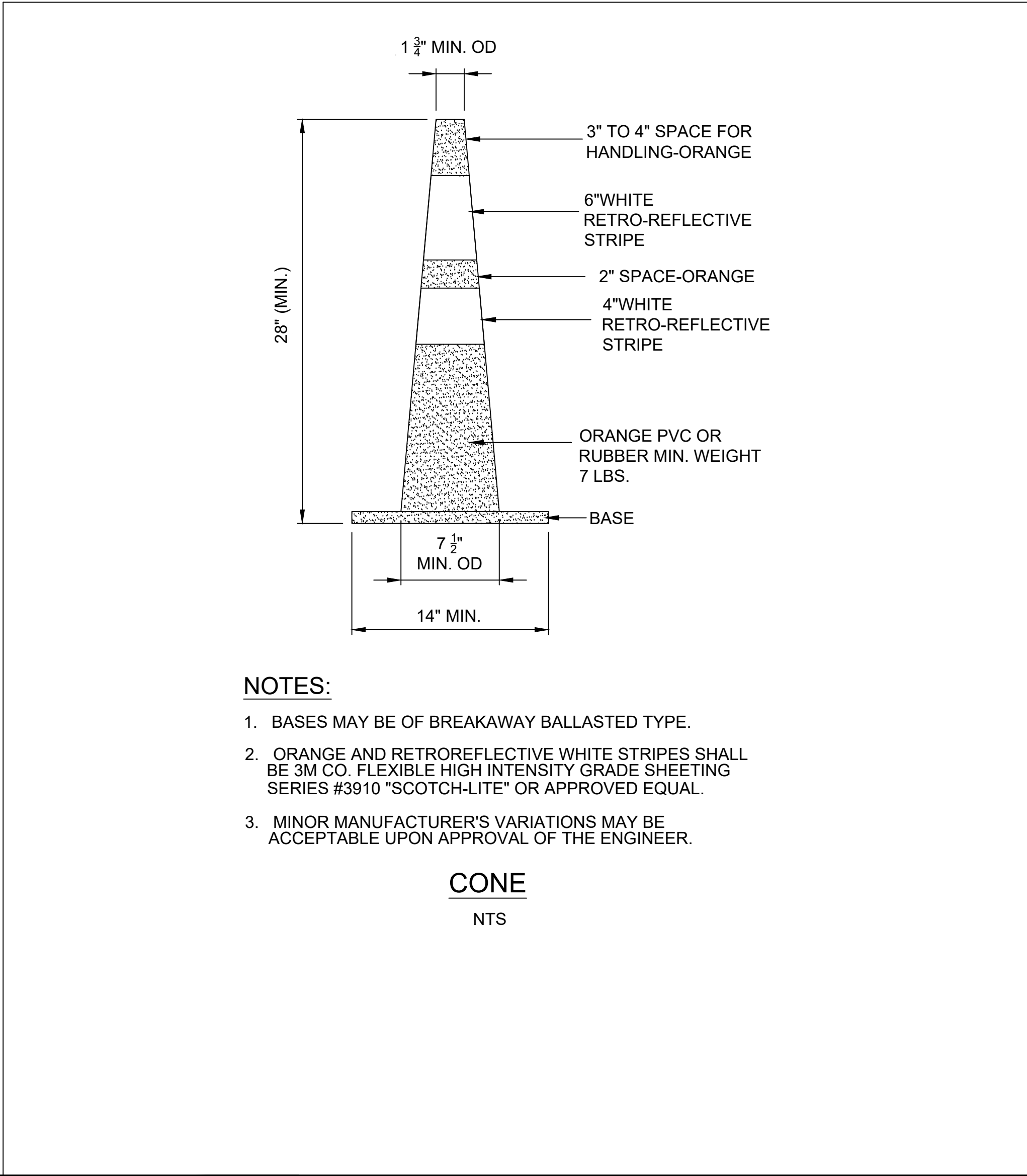
CONTRACT NO. 142486	
SCALE NTS	DATE 08-21-2020
DRAWING NO. C-617	
SHEET 49 OF 105	

Yeungh 8/17/2020 3:30:35 PM






NOTES:

1. THE APPROACH END OF THE PRECAST CONCRETE CONSTRUCTION BARRIER SHOULD BE FLARED AWAY FROM TRAFFIC AT A RATE OF 20:1. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, A FLARE RATE OF 15:1 MAY BE USED. ON CURVED ROADWAYS, KINKS IN THE BARRIER ALIGNMENT SHOULD BE AVOIDED.
2. REINFORCING SHOWN IS THE MINIMUM REQUIRED. ADDITIONAL REINFORCING NECESSARY FOR HANDLING SHALL BE THE OPTION AND RESPONSIBILITY OF THE CONTRACTOR.
3. IF TRAFFIC WILL BE ON BOTH SIDES OF THE BARRIER, THE CONTRACTOR SHALL PROVIDE BOLT RECESSES SO THE BOLT CAN BE INSTALLED AT 4 FEET C/C ON EACH SIDE. AT THE OPTION OF THE CONTRACTOR BOLT RECESSES AND BOLTS MAY BE PROVIDED AT 4 FEET C/C ON EACH SIDE WHEN TRAFFIC IS ONLY ON ONE SIDE OF THE BARRIER.
4. WHEN THE BARRIER HAS BEEN REMOVED, THE BOLTS SHALL BE REMOVED OR CUT OFF TO A LEVEL OF 1/2" MINIMUM BELOW THE PAVEMENT SURFACE AND THE HOLES SHALL BE FILLED TO THE SATISFACTION OF THE ENGINEER.
5. BOLTS, OTHER THAN EXPANSION BOLTS, SHALL BE THREADED RODS MADE FROM ASTM GRADE 250 STEEL. NUTS SHALL CONFORM TO ASTM A 307.
6. VARIATIONS TO THE DETAILS SHALL BE SUBJECT TO APPROVAL.
7. FOR INSTALLATION ON BRIDGE DECKS, REFER TO BRIDGE PLANS FOR NECESSARY MODIFICATIONS AS REQUIRED.
8. REINFORCING BARS SHALL BE ASTM A615, GRADE 60.



SIGN TEXT DATA TABLE

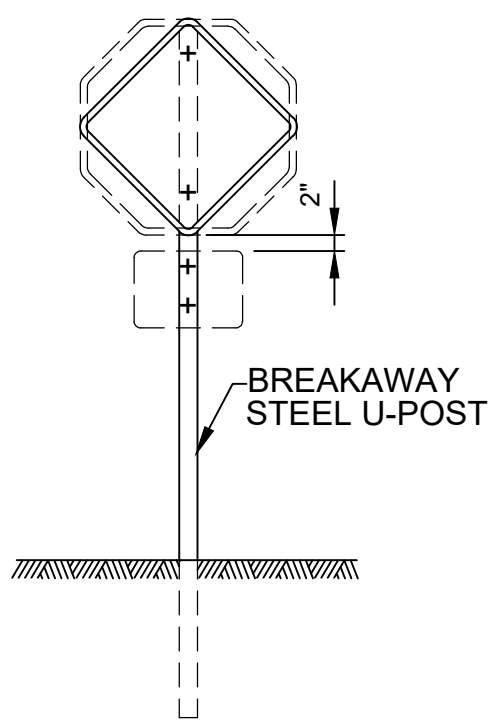
MUTCD NO.	TEXT	SIZE (WIDTH X HEIGHT)	COLOR	
			LEGEND	BACKGROUND
G20-2	END ROAD WORK	36" x 18"	BLACK	ORANGE
R1-1	STOP	30" x 30"	WHITE	RED
W11-2		30" x 30"	BLACK	YELLOW
W11-2 M		30" x 30"	BLACK	YELLOW
W16-2aP	200 FT	24" x 12"	BLACK	YELLOW
W16-7pR		24" x 12"	BLACK	YELLOW
W16-7pL		24" x 12"	BLACK	YELLOW
W20-1	ROAD WORK AHEAD	36" x 36"	BLACK	ORANGE
W20-4	ONE LANE ROAD AHEAD	36" x 36"	BLACK	ORANGE
R9-9	SIDEWALK CLOSED	24" x 12"	BLACK	ORANGE
W20-7		36" x 36"	BLACK	ORANGE

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DRAWN H.M.Y.			SCALE NTS		DATE 08-21-2020								
CHECKED W.T.C.			REVISIONS										
APPROVED E.B.													

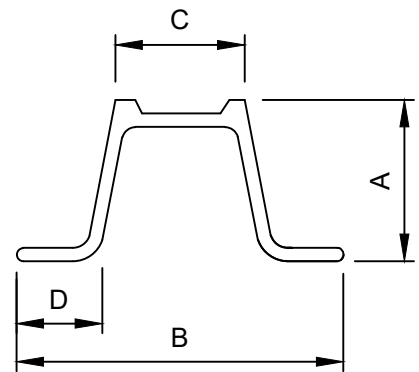
G:\DCS\Projects\TRN\60618904 - MNR Croton Falls Parking\900\_CAD\_GIS\910\_CAD\20-SHEETS\Traffic\Package 2\C-620 MPT PLAN - SIGN TEXT DATA TABLE.dwg



Yeungh Mon Aug 17 15:47:40 2020



30" x 30"  
OR  
SMALLER



TYPE 1  
N.T.S.

PANEL SIZE (W x H)	# OF U-POSTS	POST SIZE (LB/FT)
12" x 18"	1	2.5
18" x 18"	1	2.5
18" x 24"	1	2.5
24" x 24"	1	2.5
24 x 30"	1	2.5
24" x 36"	1	2.5
30" x 12"	1	2.5
30" x 24"	1	2.5
30" x 30"	1	2.5
30" x 36"	1	4.0

U-POST SELECTION TABLE  
BREAKAWAY SIGN SUPPORT

TYPE 1 - STEEL U-POST PROPERTIES

WEIGHT * LB/Ft	DIMENSIONS (in)				AREA in <sup>2</sup>
	"A"	"B"	"C"	"D"	
2.5	1.516	3.062	1.278	0.669	0.760
4.0	1.968	3.500	1.336	0.834	1.187

\* +/- 5%

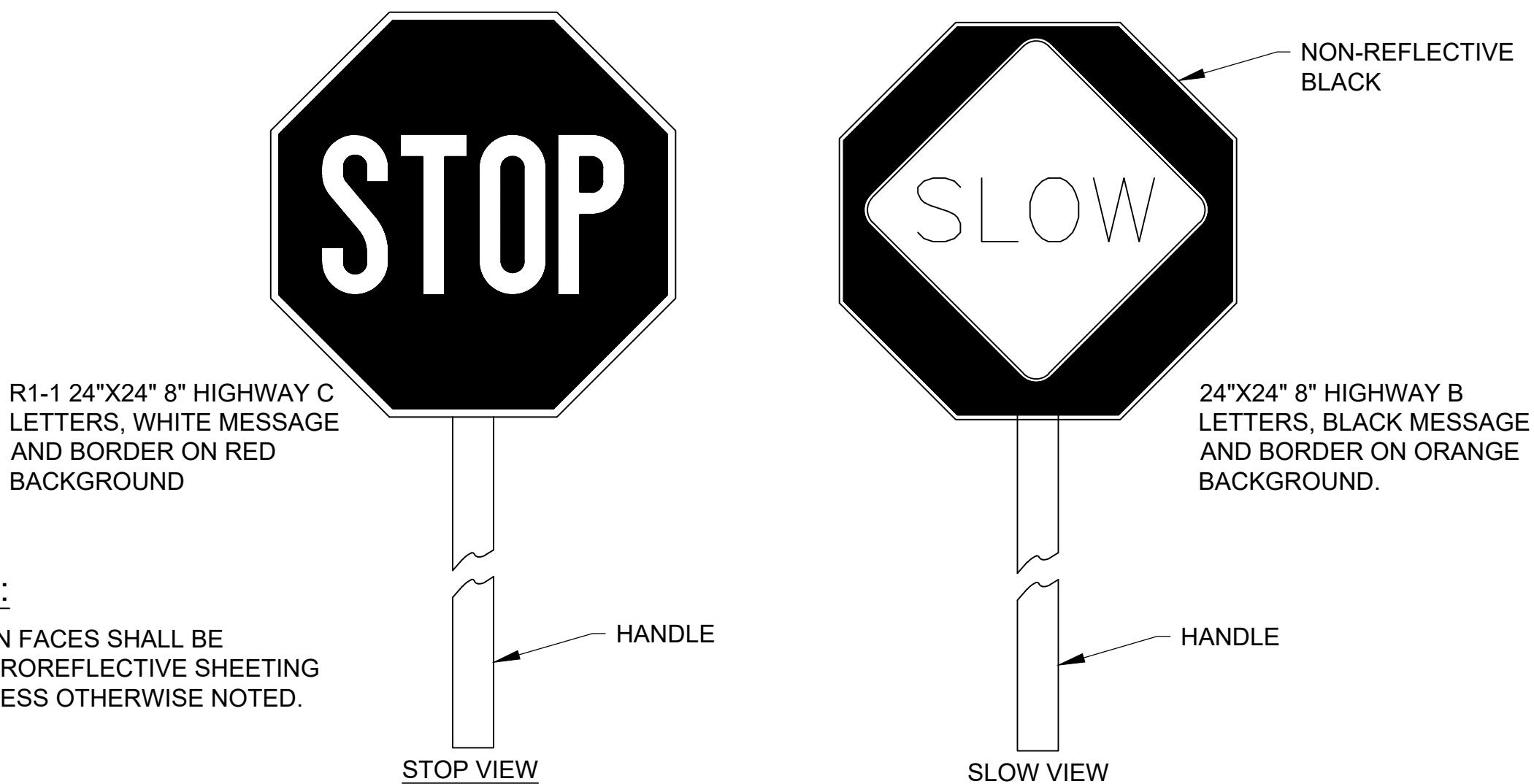
STEEL U-POST SPACING  
NTS

NOTES:

- ALL STEEL U-POSTS AND BRACKETS SHALL BE CUT, BENT AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH ASTM A123.
- ALL STEEL U-POST SIGN SUPPORTS MUST BE INSTALLED FACING THE PREDOMINANT TRAFFIC FLOW. A MOUNTING BRACKET SHALL BE USED ON SIDE MOUNTED SIGNS SUCH AS "ONE WAY" SIGNS INSTALLED IN MEDIANS.
- SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBER AS SHOWN ON POST SELECTION TABLE.
- ALL BOLTS SHOWN ON THIS SHEET SHALL NOT PROTRUDE MORE THAN  $\frac{3}{8}$ " BEYOND THE NUT WHEN TIGHT AND SHALL ENGAGE ALL THREADS IN THE NUT.
- ALL SIGNS SHALL BE MOUNTED MINIMUM 7 FEET CLEARANCE FROM EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN PANEL UNLESS OTHERWISE SHOWN ON CONTRACT DRAWING.
- EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH STEEL U-POST SIGN SUPPORTS.
- STEEL U-POSTS SHALL BE PRODUCED FROM HIGH STRENGTH STEEL IN ACCORDANCE WITH ASTM A499-81, GRADE 60.
- ANCHOR POST AND TOP POST SHALL BE EQUAL WEIGHT/FT AND SAME TYPE (BOTH TYPE 1 OR BOTH TYPE 2) FOR EACH BREAKAWAY SIGN SUPPORT INSTALLATION.

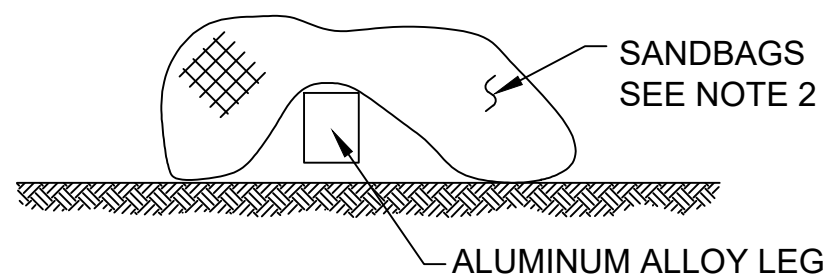
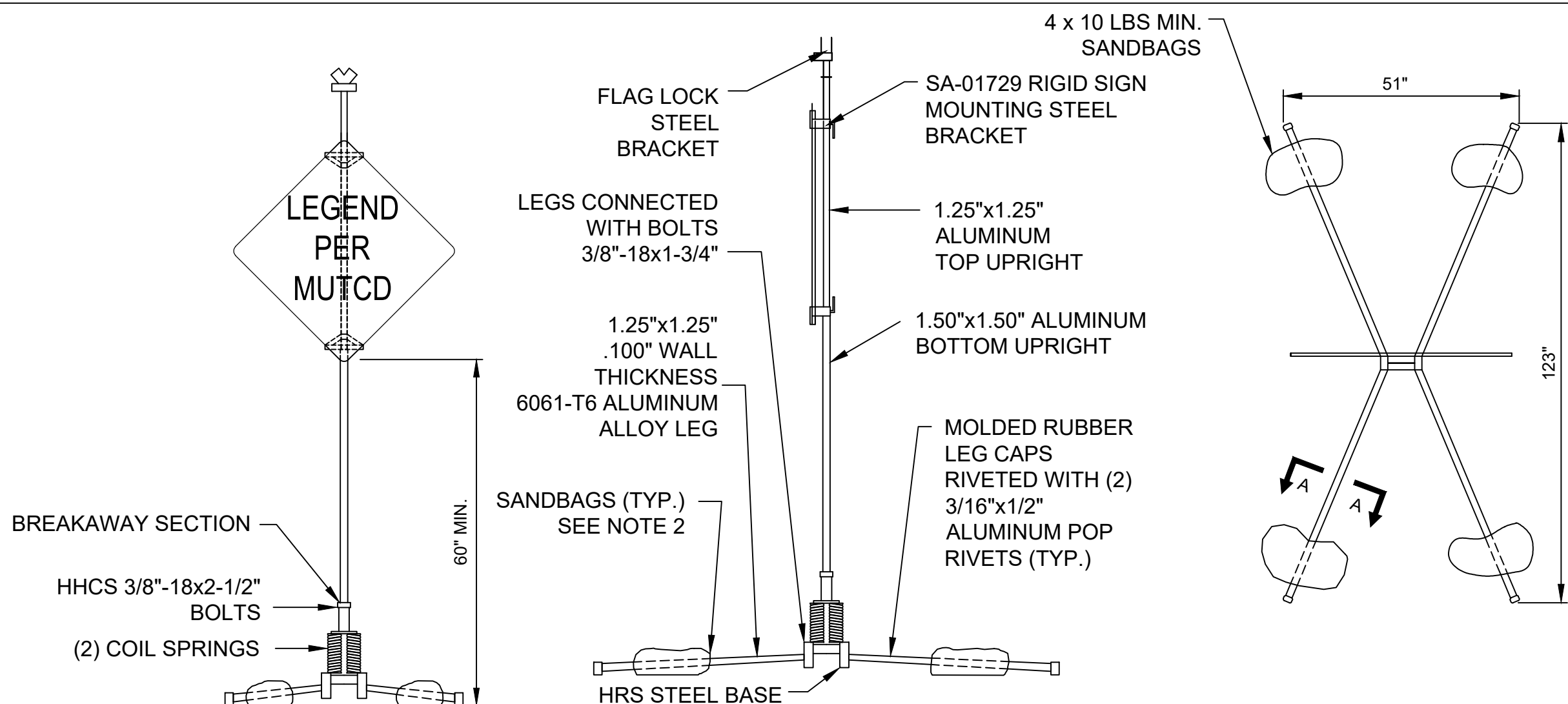
NOTES:

- SIGN FACES SHALL BE RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.



STOP/SLOW PADDLE

NTS



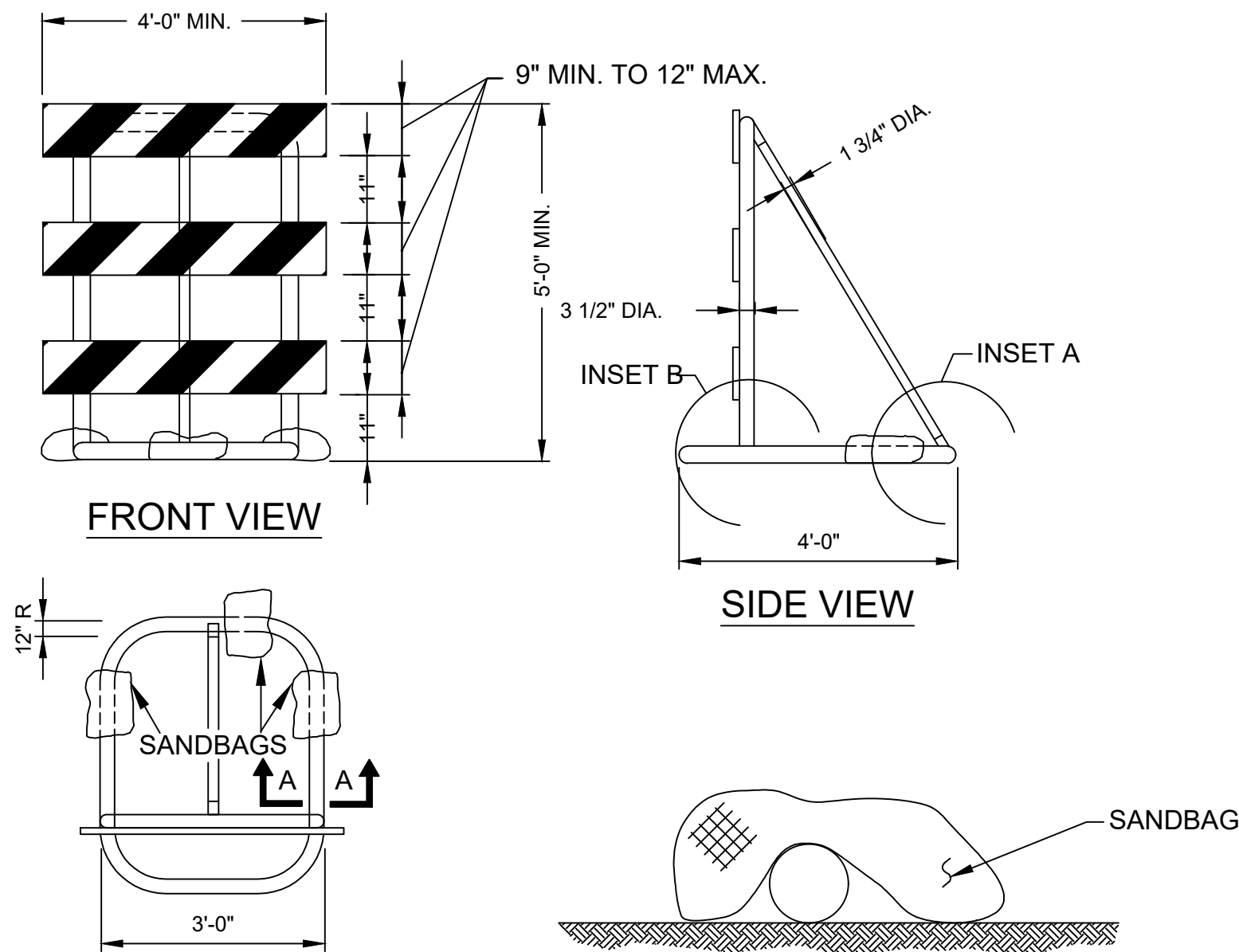
SECTION A-A  
(TYP.)

PORTABLE SIGN SUPPORTS

NTS

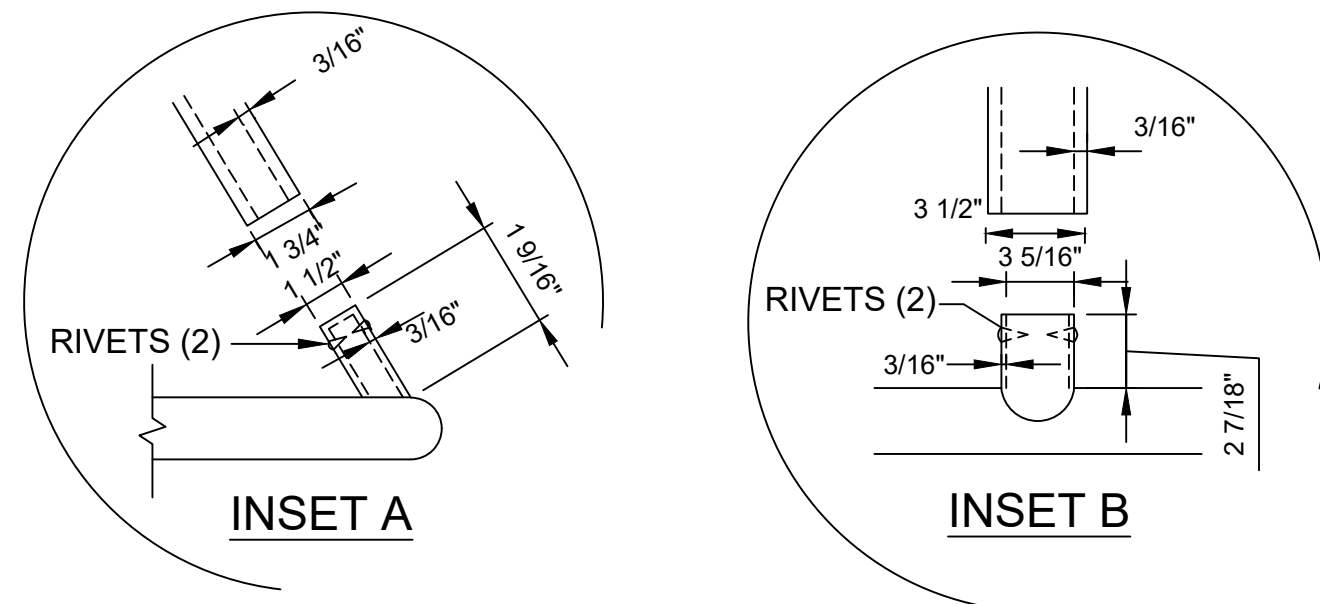
NOTES:

- SIGN STANDS WITH SIGNS SHALL BE CRASHWORTHY AS PER NCHRP, REPORT 350 CRITERIA.
- EACH SANDBAG (10 LBS BY WEIGHT, MINIMUM) SHALL BE FABRICATED AND INSTALLED TO WITHSTAND GALE FORCE WINDS UP TO 70 MPH AND VEHICLE GUSTS.
- THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- MINOR MANUFACTURER'S VARIATIONS SHALL BE ACCEPTABLE UPON APPROVAL BY THE ENGINEER.
- FOR CONSTRUCTION SIGNS INSTALLED ON SUPPORTS OTHER THAN X-BASE SIGN STANDS WHERE THERE IS EXPECTED PEDESTRIAN ACTIVITY, MOUNT BOTTOM OF SIGN AT 7' MIN.



TOP VIEW OF BASE

SECTION A-A



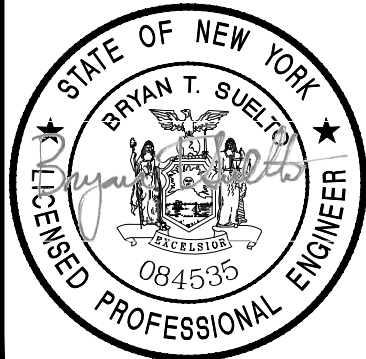
TYPE III BARRICADE

NTS

NOTES:

- THE 9" MIN. x 48", OR 12" MAX. x 48" BARRICADE RAILS SHALL BE FABRICATED FROM 0.125" MAX. PLASTIC SHEETING AND SHALL BE ATTACHED, 4 PER RAIL, WITH 1" NO. 14 PAN HEAD METAL SCREWS OR PLASTIC RIVETS. ALL CORNERS SHALL BE ROUNDED.
- ORANGE AND SILVER (OR WHITE) STRIPES SHALL BE RETROREFLECTIVE SHEETING, ASTM D 4956 TYPE III, AS SHOWN FOR CONSTRUCTION SIGNS. ALTERNATE ORANGE AND SILVER (OR WHITE) STRIPES 6" WIDE SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS.
- IF NECESSARY, THE SANDBAGS SHALL BE FABRICATED AND PLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION OR AS DIRECTED BY THE ENGINEER.
- THE BASE AND UPRIGHT SHALL BE  $\frac{3}{2}$ " DIA. ROTATIONALLY MOLDED POLYETHYLENE PLASTIC. THE BRACE SHALL BE  $\frac{1}{4}$ " EXTRUDED POLYETHYLENE PLASTIC. POLYETHYLENE PLASTIC SHALL BE WHITE AND SHALL BE ULTRAVIOLET LIGHT STABILIZED.
- RAIL STRIPE WIDTH SHALL BE 6".
- THE FRAMING FOR THE BARRICADE PANELS SHALL BE NCHRP 350 CRASH TESTED AND FHWA APPROVED.

DESIGNED  
B.T.S.  
DRAWN  
H.M.Y.  
CHECKED  
W.T.C.  
APPROVED  
E.B.



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REVISIONS					

AECOM



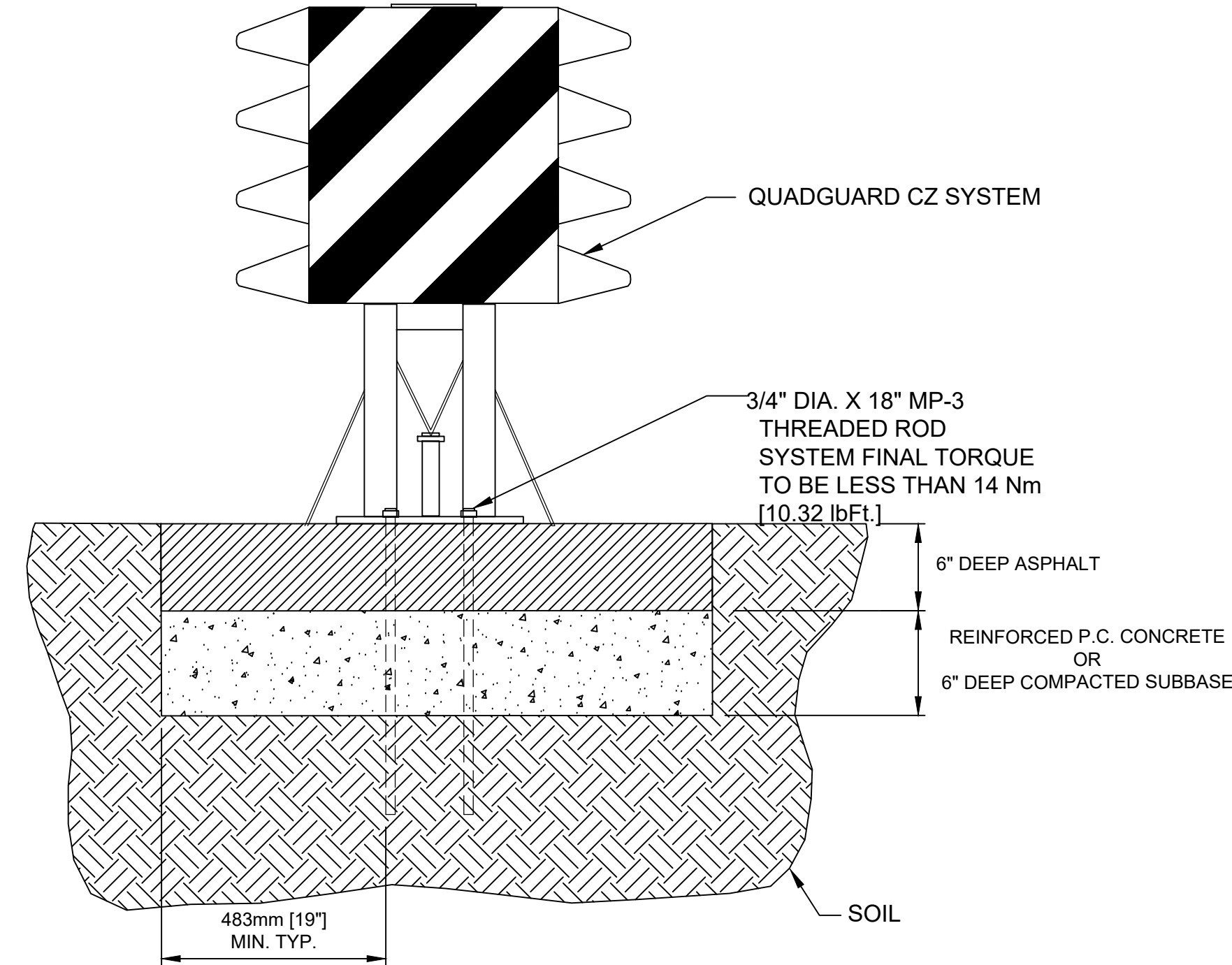
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC -  
STANDARD DETAILS  
1 OF 4

CONTRACT NO. 142486	
SCALE NTS	DATE 08-21-2020
DRAWING NO. C-621	
SHEET 51 OF 105	





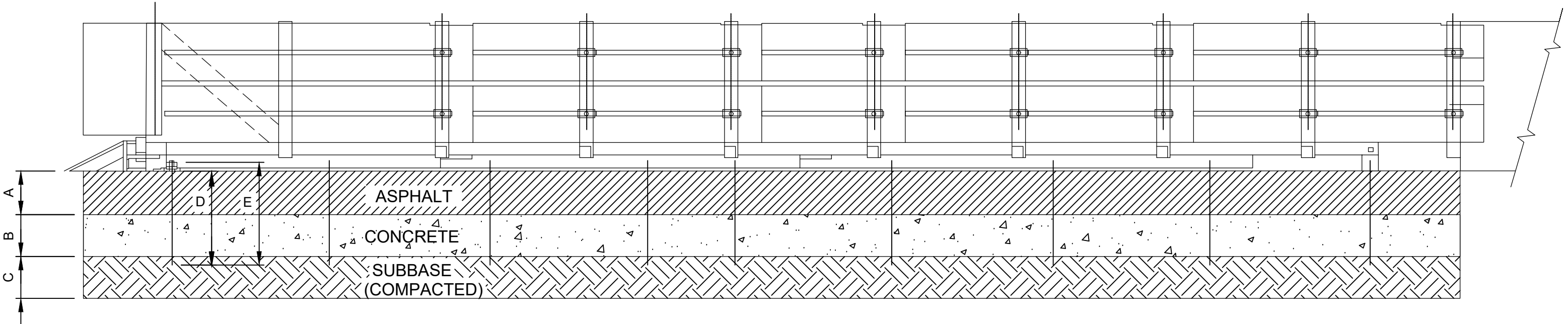
NOTE:  
1. STANDARD INSTALLATION DETAILS, DETAILED DESIGN GUIDE & INSTALLATION PROCEDURES ARE AVAILABLE FROM THE MANUFACTURER.



NARROW IMPACT ATTENUATOR ANCHOR SYSTEM  
NTS

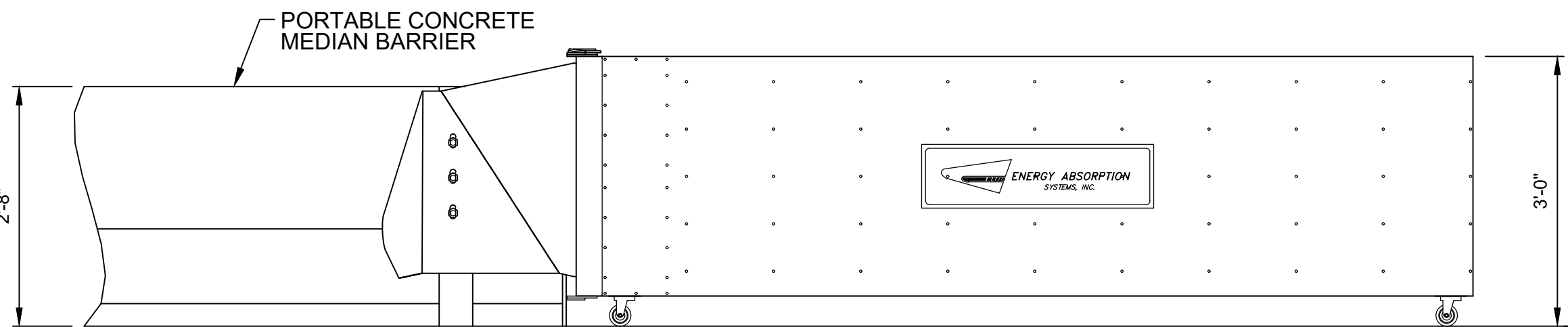
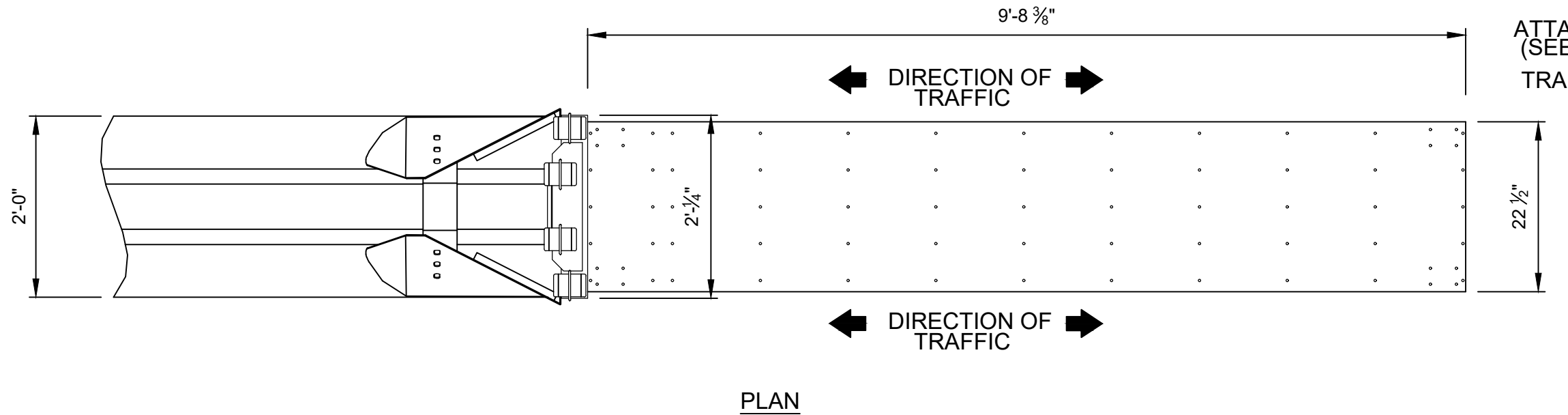
NOTE:  
1. STANDARD INSTALLATION DETAILS, DETAILED DESIGN GUIDE & INSTALLATION PROCEDURES ARE AVAILABLE FROM THE MANUFACTURER.

A ASPHALT	B CONCRETE	C SUBBBASE (COMPACTED)	D DEPTH	E LENGTH
0"	6" REINFORCED	~	6"	7.5"
0"	8" REINFORCED	~	6"	7.5"
3"	3"	~	16.5"	18"
8"	0"	~	16.5"	18"
6"	0"	6"	16.5"	18"



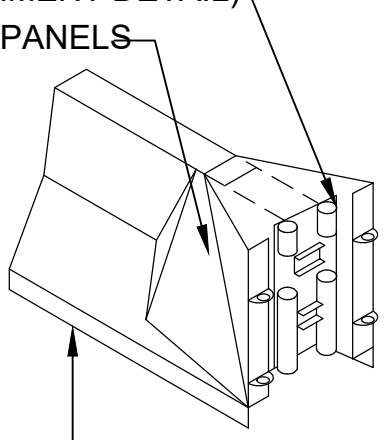
NARROW IMPACT ATTENUATOR ANCHORING OPTIONS  
NTS

- NOTES:
- PORTABLE IMPACT ATTENUATOR MANUFACTURED BY ENERGY ABSORPTION SYSTEM, INC. OR APPROVAL EQUAL. STANDARD INSTALLATION DETAILS, DETAILED DESIGN GUIDE & INSTALLATION PROCEDURES ARE AVAILABLE FROM THE MANUFACTURER.
  - ROD OR U-BOLT IS TO BE ANCHORED INTO BARRIER WITH MP-3 ANCHORING GROUT, OR EQUAL. USE THE RESIN DESIGNED FOR HORIZONTAL APPLICATIONS, SO IT DOES NOT RUN OUT OF HOLES.
  - U-BOLTS MAY BE PURCHASED FROM ENERGY ABSORPTION SYSTEMS (PART NO. 2698141-0000, BOLT.U.5/8x13 1/2x1 3/4x3 MIN, G2, G). AN ACCEPTABLE ALTERNATIVE WOULD BE TO USE A STANDARD 0.63" Ø GRADE 2, GALVANIZED, GUARDRAIL WOOD POST AND BLOCKOUT SUPPORT ROD 27" LONG AND THREADED ON BOTH ENDS WHICH HAS BEEN BENT TO THE RADIUS SHOWN.
  - ENSURE THAT EQUIPMENT AND MATERIALS CONFORM TO "BUY AMERICA" REQUIREMENTS OUTLINED IN FHWA'S CONSTRUCTION PROGRAM GUIDE. WEBSITE LINK IS [www.fhwa.dot.gov/construction/cqit/buyam.cfm](http://www.fhwa.dot.gov/construction/cqit/buyam.cfm)

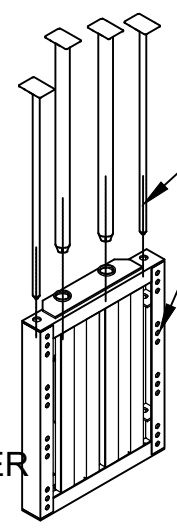


DIMENSIONS:  
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WIDTH: 22-1/2 IN  
HEIGHT: 32 IN  
WEIGHT: 297 LBS

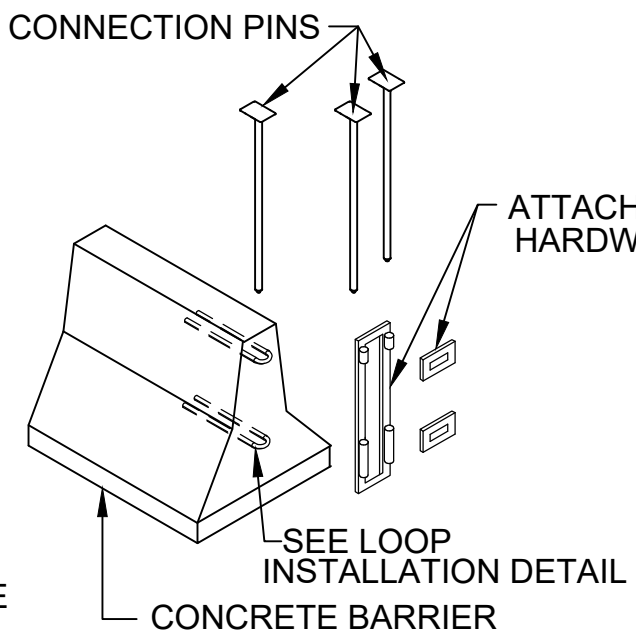
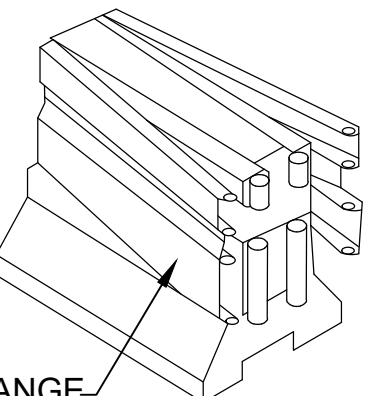
ATTACHMENT HARDWARE  
(SEE ATTACHMENT DETAIL)  
TRANSITION PANELS



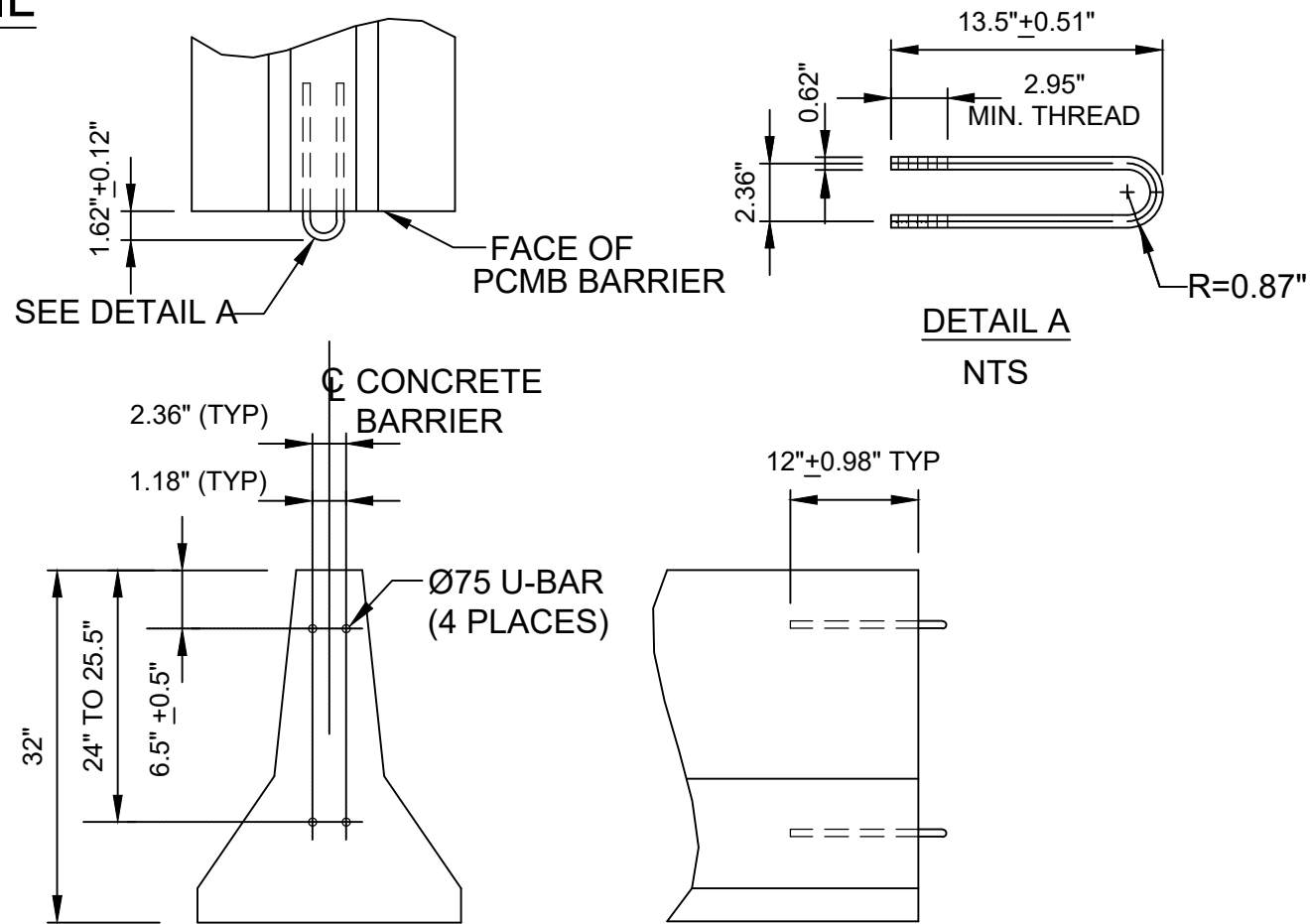
CONNECTION PINS  
BACKUP



QUICKCHANGE  
BARRIER



NARROW IMPACT ATTENUATOR DETAIL  
(44 MPH MAX. DESIGN SPEED)  
NTS



LOOP INSTALLATION DETAILS  
NTS

DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.

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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

AECOM

MTA Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
MAINTENANCE AND  
PROTECTION OF TRAFFIC -  
STANDARD DETAILS  
3 OF 4

CONTRACT NO. 142486	
SCALE NTS	DATE 08-21-2020
DRAWING NO. C-623	
SHEET 53 OF 105	



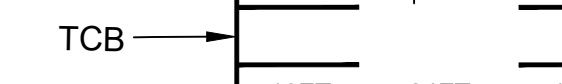
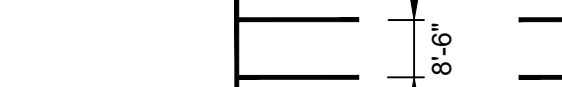
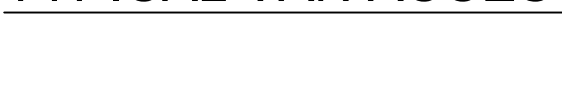
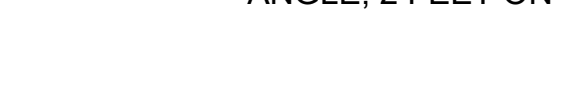
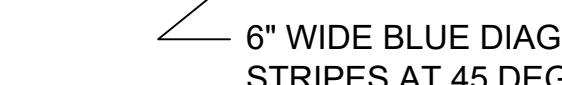
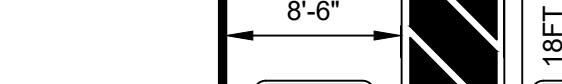
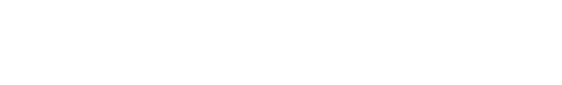
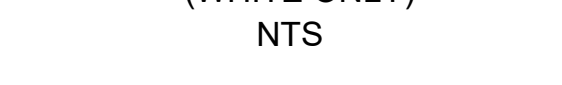
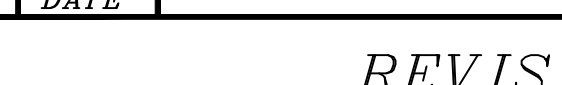
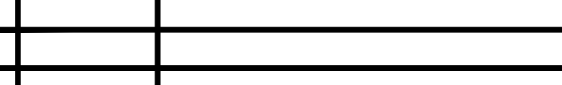
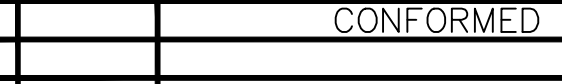
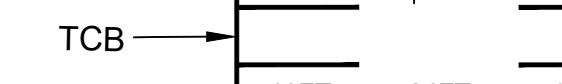
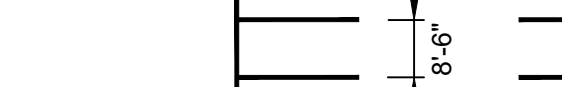
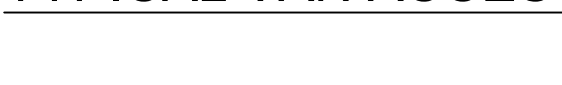
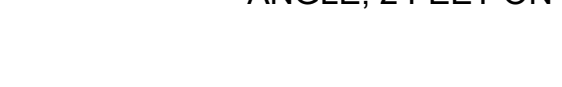
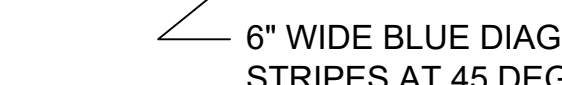
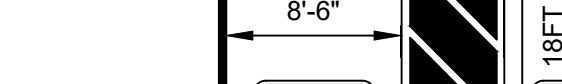
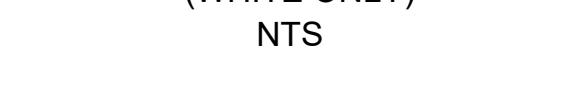
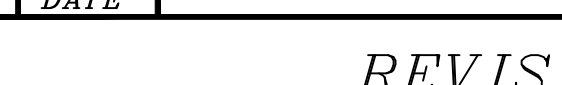
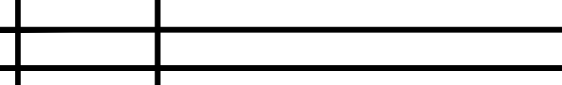
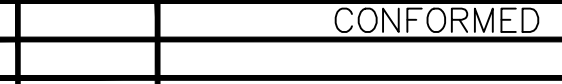
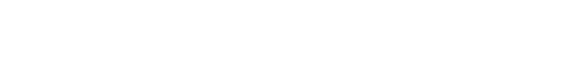
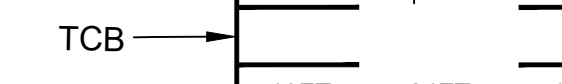
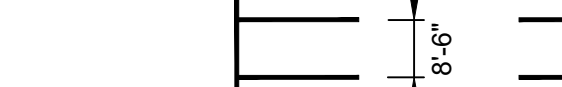
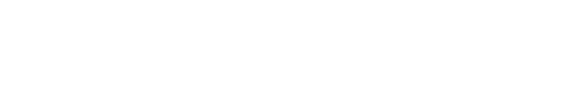
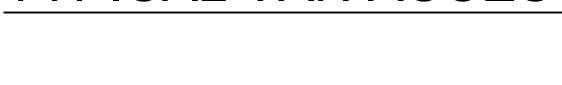
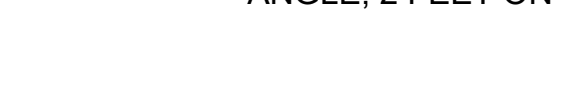
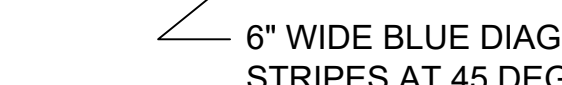
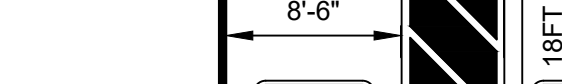
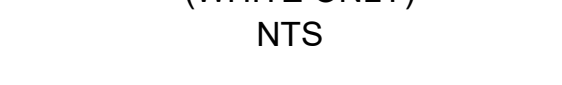
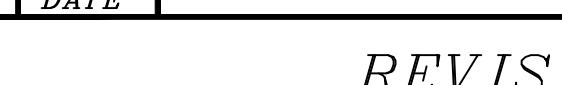
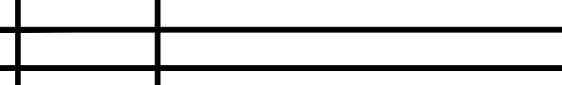
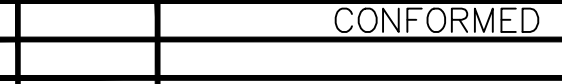
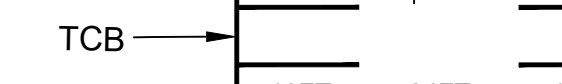
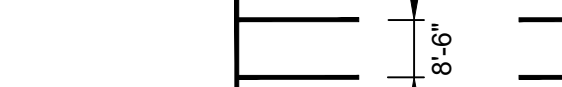
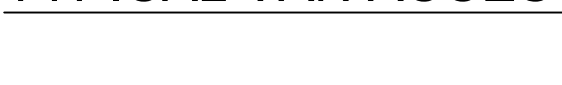
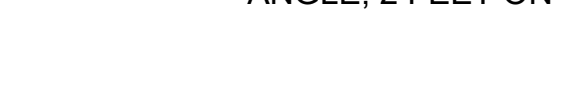
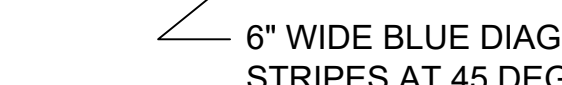
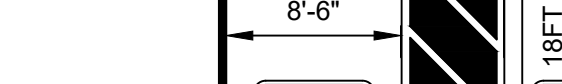
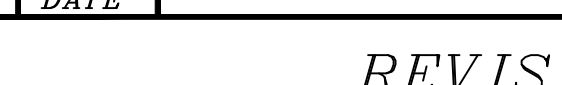
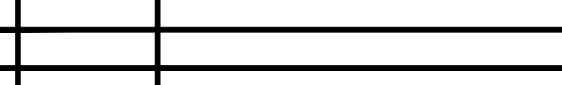
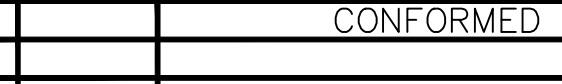
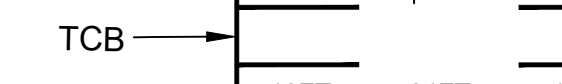
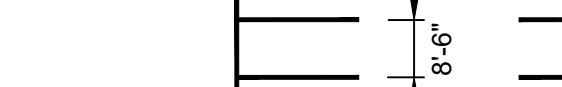
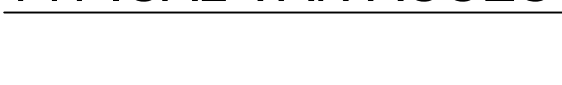
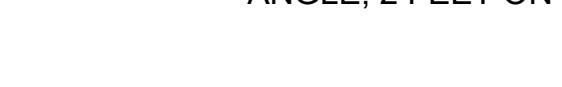
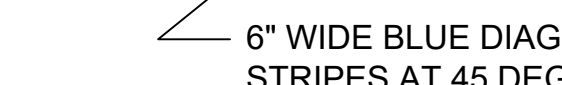
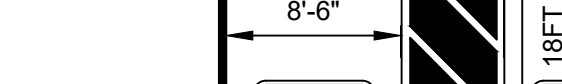
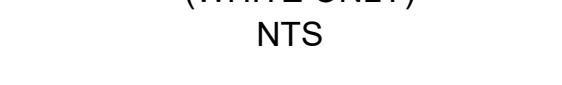
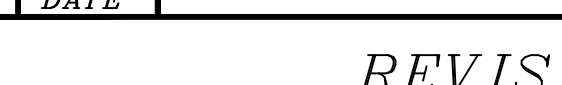
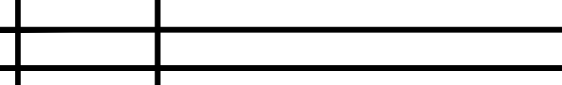
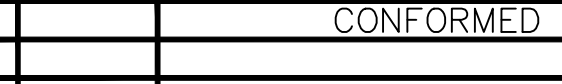
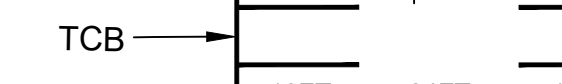
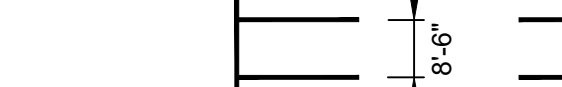
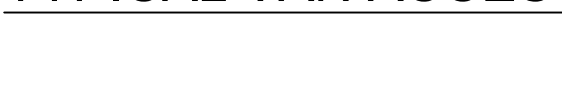
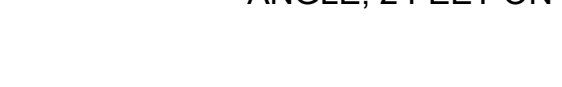
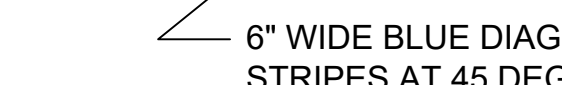
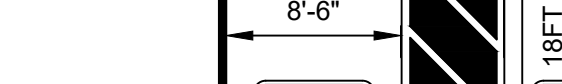
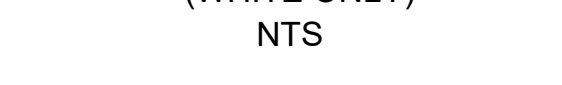
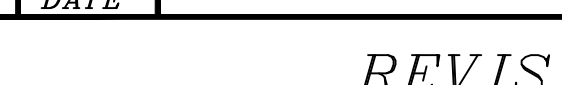
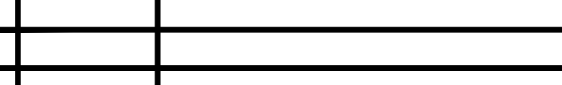
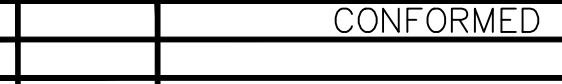
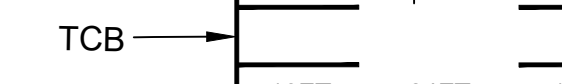
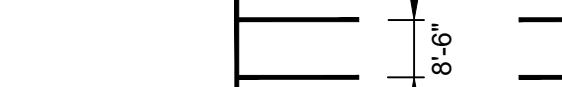
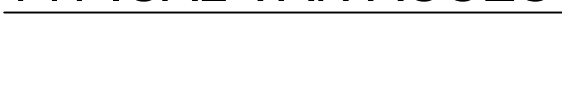
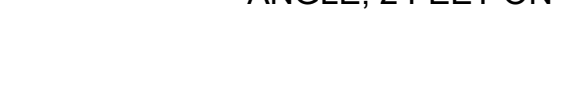
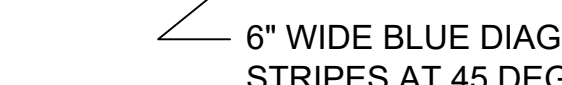
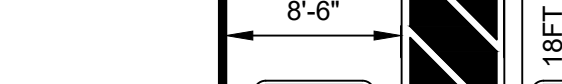
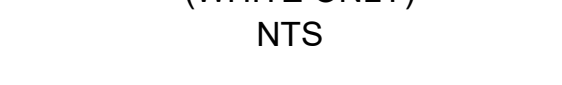
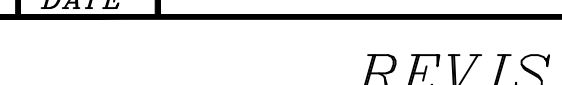
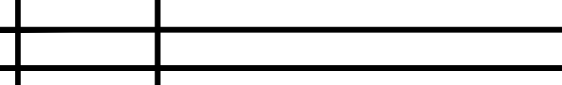
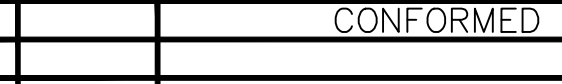
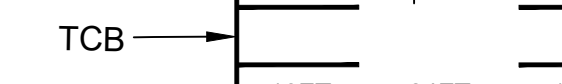
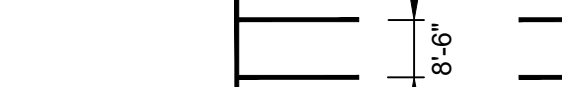
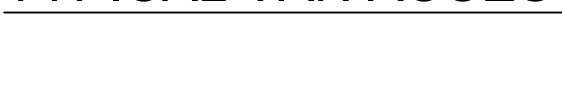
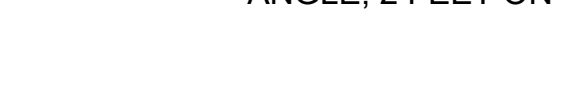
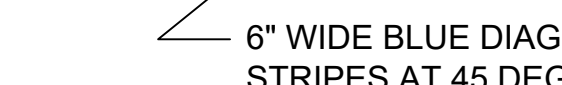
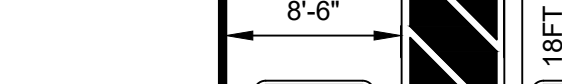
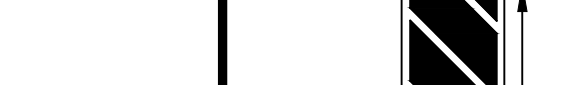
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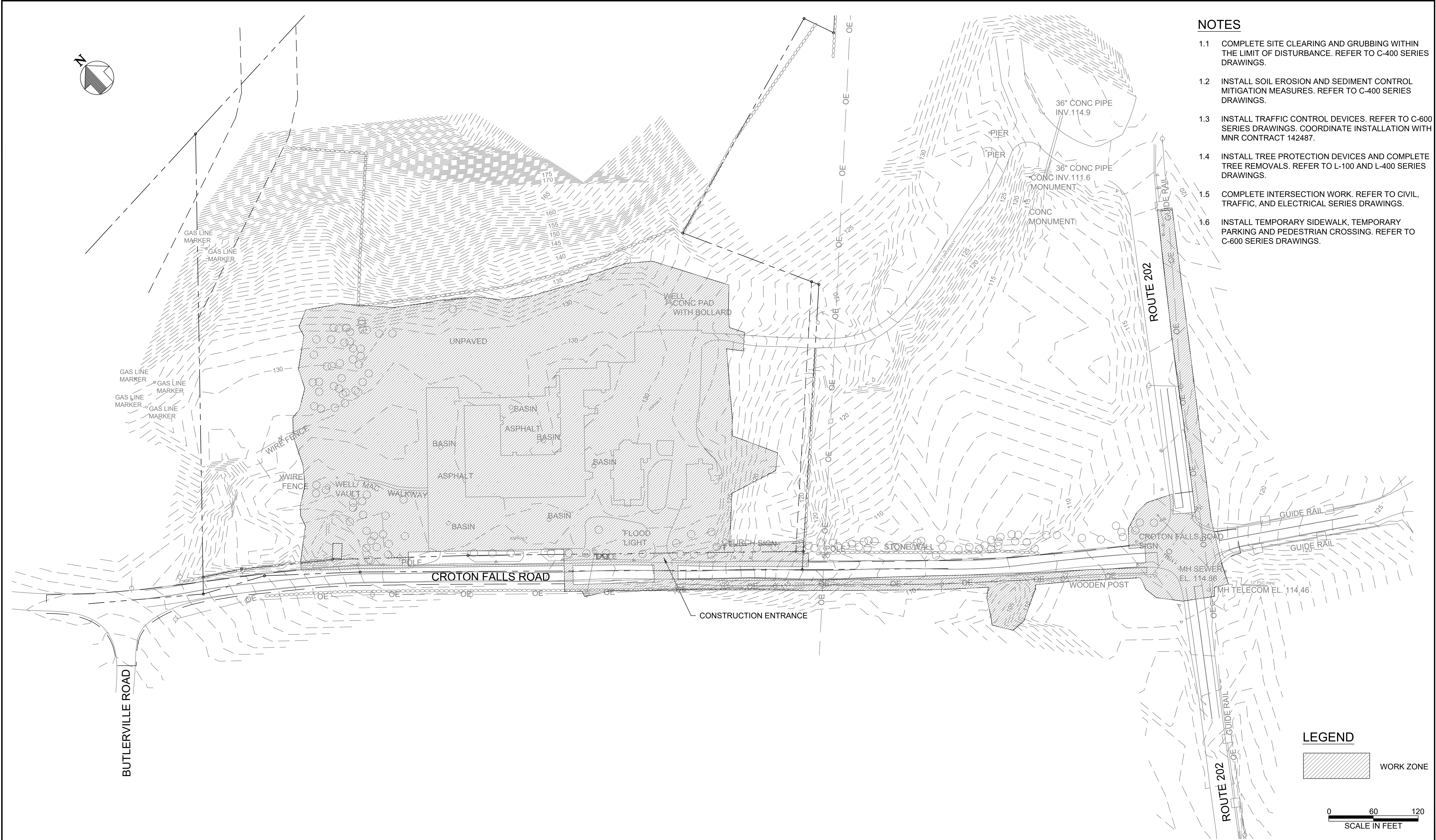
SOLID WHITE EDGE LINE  
NTS



WHITE STOP LINE  
NTS







- NOTES
- 1.1

COMPLETE SITE CLEARING AND GRUBBING WITHIN THE LIMIT OF DISTURBANCE. REFER TO C-400 SERIES DRAWINGS.
- 1.2

INSTALL SOIL EROSION AND SEDIMENT CONTROL MITIGATION MEASURES. REFER TO C-400 SERIES DRAWINGS.
- 1.3

INSTALL TRAFFIC CONTROL DEVICES. REFER TO C-600 SERIES DRAWINGS. COORDINATE INSTALLATION WITH MNR CONTRACT 142487.
- 1.4

INSTALL TREE PROTECTION DEVICES AND COMPLETE TREE REMOVALS. REFER TO L-100 AND L-400 SERIES DRAWINGS.
- 1.5

COMPLETE INTERSECTION WORK. REFER TO CIVIL, TRAFFIC, AND ELECTRICAL SERIES DRAWINGS.
- 1.6

INSTALL TEMPORARY SIDEWALK, TEMPORARY PARKING AND PEDESTRIAN CROSSING. REFER TO C-600 SERIES DRAWINGS.

DESIGNED  
L.M.

DRAWN  
D.C.Y.

CHECKED  
E.B.

APPROVED  
E.B.

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

			CONFORMED			
NO.	DATE		DRWN	CHKD	APPVD	
REVISIONS						

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

CONSTRUCTION  
SEQUENCING PLAN  
STAGE 1

CONTRACT NO.  
142486

SCALE  
1"=60'

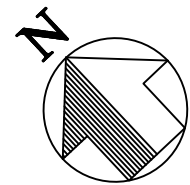
DATE  
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DRAWING NO.  
CS-101

SHEET 55 OF 105

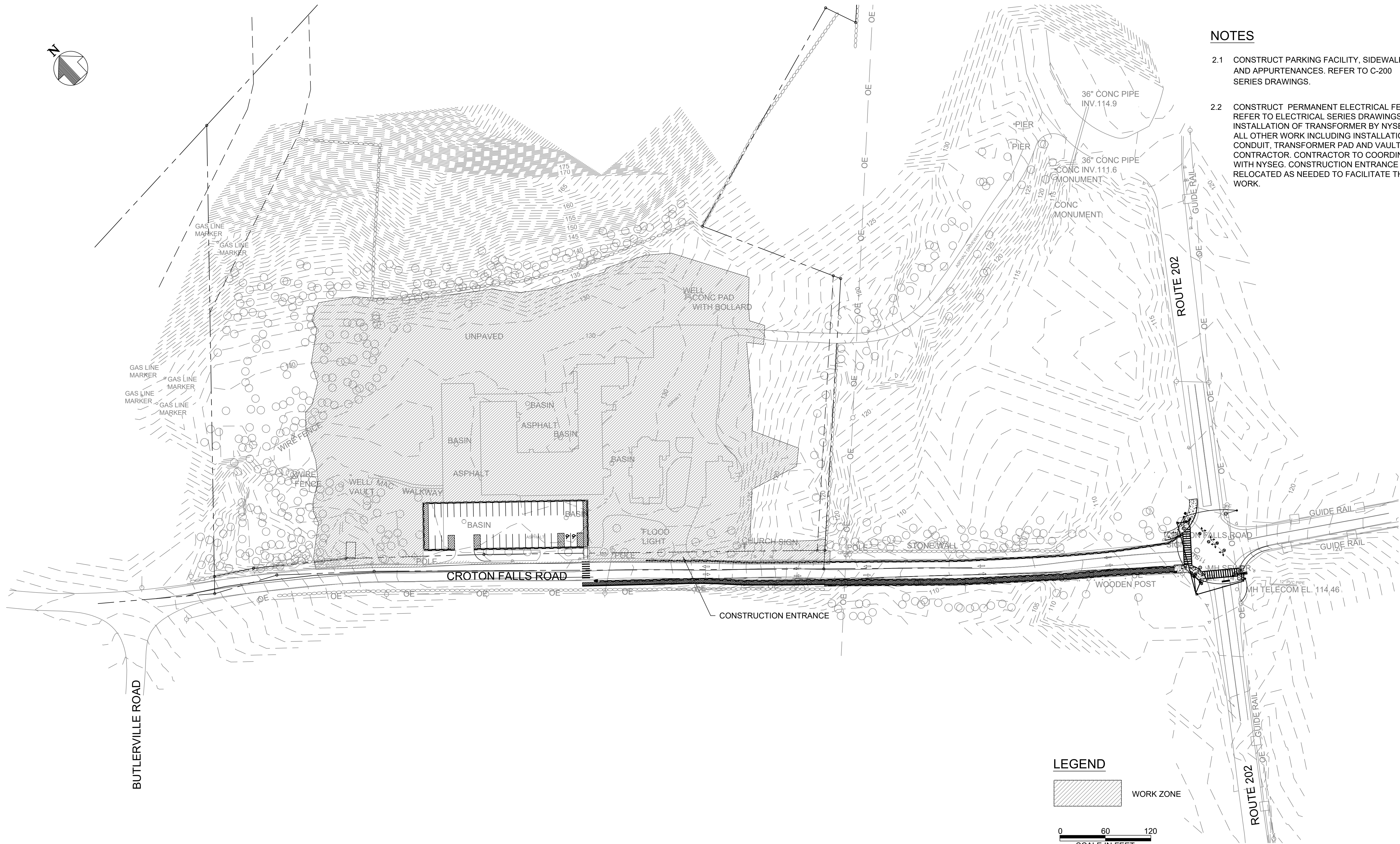
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NOTES

- 2.1 CONSTRUCT PARKING FACILITY, SIDEWALK, AND APPURTENANCES. REFER TO C-200 SERIES DRAWINGS.
- 2.2 CONSTRUCT PERMANENT ELECTRICAL FEED. REFER TO ELECTRICAL SERIES DRAWINGS. INSTALLATION OF TRANSFORMER BY NYSEG. ALL OTHER WORK INCLUDING INSTALLATION OF CONDUIT, TRANSFORMER PAD AND VAULT BY CONTRACTOR. CONTRACTOR TO COORDINATE WITH NYSEG. CONSTRUCTION ENTRANCE TO BE RELOCATED AS NEEDED TO FACILITATE THIS WORK.



DESIGNED L.M.	
DRAWN D.C.Y.	
CHECKED E.B.	
APPROVED E.B.	

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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

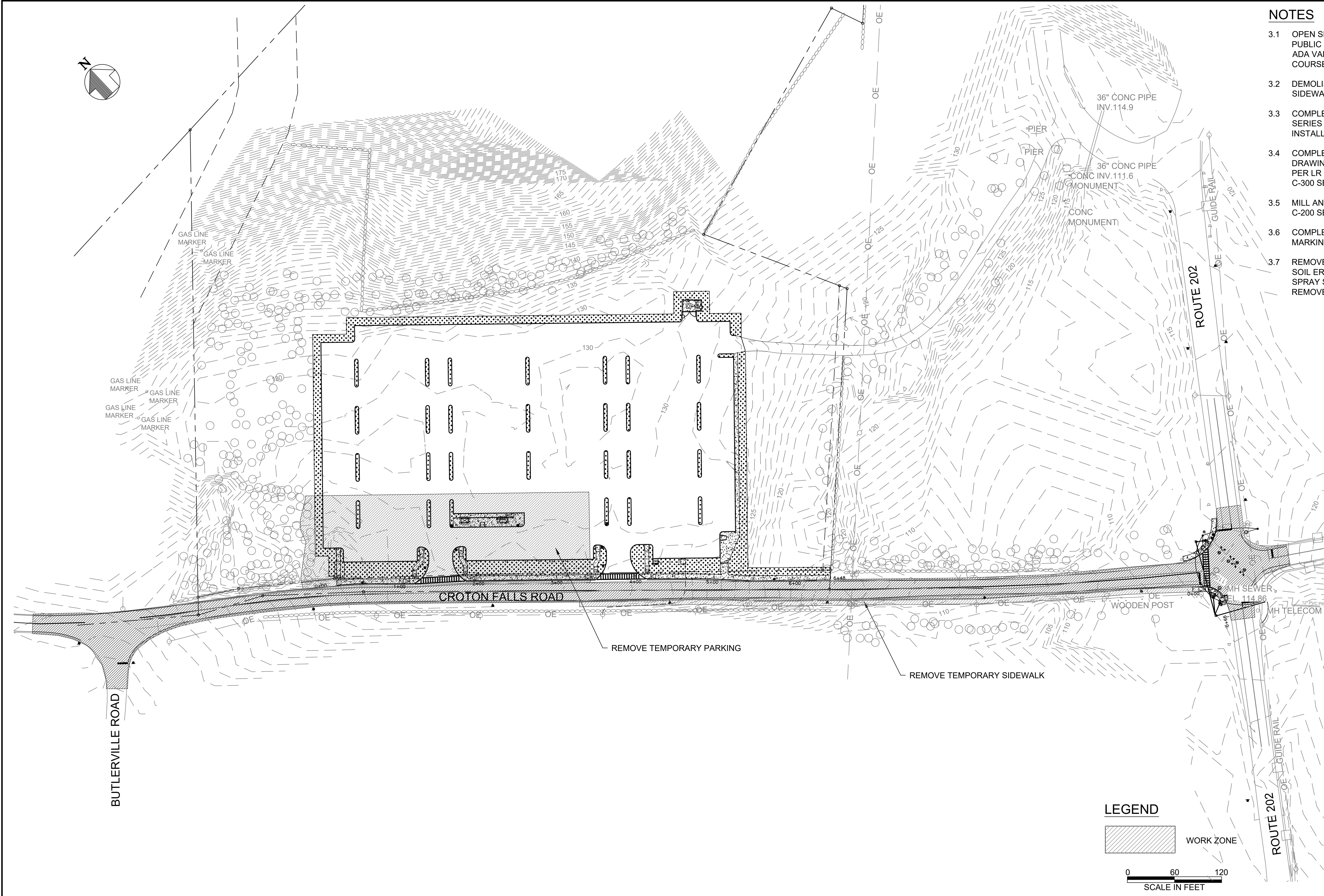


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

CONSTRUCTION  
SEQUENCING PLAN  
STAGE 2

CONTRACT NO. 142486	
SCALE 1"=60'	DATE 05-18-2021
DRAWING NO. CS-102	
SHEET 56 OF 105	

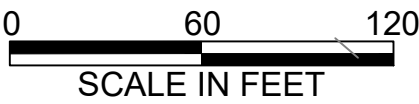
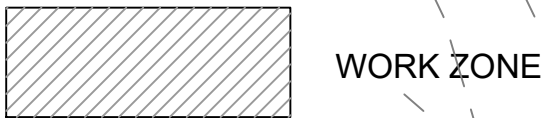




NOTES

- 3.1 OPEN SECTION OF PERMANENT PARKING LOT TO PUBLIC WITH 50 PARKING SPACES (MINIMUM OF 2 ADA VAN ACCESSIBLE). DO NOT INSTALL WEARING COURSE.
- 3.2 DEMOLISH TEMPORARY PARKING FACILITY AND SIDEWALK.
- 3.3 COMPLETE PARKING FACILITY. REFER TO C-200 SERIES DRAWINGS. WEARING COURSE SHALL BE INSTALLED UPON COMPLETION OF ALL WORK.
- 3.4 COMPLETE FINAL GRADING PER C-220 SERIES DRAWINGS. COMPLETE LANDSCAPE RESTORATION PER LR SERIES DRAWINGS. INSTALL SIGNAGE PER C-300 SERIES DRAWINGS.
- 3.5 MILL AND PAVE CROTON FALLS ROAD. REFER TO C-200 SERIES DRAWINGS.
- 3.6 COMPLETE INSTALLATION OF PAVEMENT MARKINGS. REFER TO C-300 SERIES DRAWINGS.
- 3.7 REMOVE TREE PROTECTION DEVICES. REMOVE SOIL EROSION AND SEDIMENT CONTROL DEVICES. SPRAY SEEDING WITHIN LIMIT OF DISTURBANCE. REMOVE TRAFFIC CONTROL DEVICES.

LEGEND



DESIGNED L.M.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED						TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  CONSTRUCTION SEQUENCING PLAN STAGE 3	CONTRACT NO. 142486	
DRAWN D.C.Y.			SCALE 1"=60'		DATE 05-18-2021						
CHECKED E.B.			REVISIONS								
APPROVED E.B.											



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GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WITH WORK, SHALL REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE CLIENT. IF CONDITIONS ARE ENCOUNTERED AT THE SITE WHICH DIFFER MATERIALLY OR DIMENSIONALLY FROM THOSE INDICATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.

2. THE CONTRACTOR SHALL NOT SCALE THE DRAWINGS. IF A DISCREPANCY EXISTS OR A DIMENSION IS OMITTED, THE CONTRACTOR SHALL NOTIFY THE CLIENT'S REPRESENTATIVE AND ARCHITECT IMMEDIATELY.

3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PROTECTION OF ADJOINING AREAS THAT MAY BE AFFECTED BY ANY WORK.

4. WHEN REQUIRED FOR THE WORK, THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF WORK. OPENINGS IN ANY ROOF OR WALL SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER PENETRATION.

5. MATERIALS AND/OR ITEMS NOT DESIGNATED TO BECOME THE PROPERTY OF THE CLIENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE CLIENT'S PROPERTY.

6. THE CONTRACTOR SHALL PERFORM WORK AS SHOWN, SPECIFIED OR IMPLIED IN THE CONTRACT DOCUMENTS.

7. MINOR DETAILS NOT CUSTOMARILY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY ARE INDICATED ON THE DRAWINGS. IT SHALL BE ASSUMED THAT BRIDGING, BRACING OR SUPPORTS SHALL BE PROVIDED FOR ITEMS AS REQUIRED WHETHER EXPLICITLY SHOWN OR NOT.

8. A COMPLETE SET OF APPROVED PERMIT CONTRACT DOCUMENTS AND CONSTRUCTION SKETCHES SHALL BE KEPT AT THE SITE IN AN ORGANIZED MANNER FOR THE USE OF THE OWNER OR THEIR REPRESENTATIVES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY AND ALL SURFACES DAMAGED BY CONTRACTOR OR THEIR SUB-CONTRACTORS. THIS SHALL INCLUDE AREAS WITHIN THE DEMISED CONSTRUCTION ZONE AS WELL AS ALL OTHER AREAS ON THE PREMISES. IF REPAIRS ARE REQUIRED, NEW MATERIALS MUST MATCH EXISTING AND BE ACCEPTED FULLY BY THE OWNER AND THE OWNER'S REPRESENTATIVE.

10. THE CONTRACTOR SHALL EQUIP ALL MACHINERY AND EQUIPMENT USED FOR CONSTRUCTION WITH NOISE CONTROL DEVICES SUCH AS MUFFLERS FOR INTERNAL COMBUSTION ENGINES OR OTHER SUITABLE NOISE SUPPRESSORS.

11. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE SO AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.

12. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER TRADES.

13. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES INCLUDING FEDERAL, STATE, LOCAL, ADA, ACCESSIBILITY, AND ALL OTHER REGULATIONS AND AUTHORITIES HAVING JURISDICTION.

LIFE SAFETY NOTES:

1. THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE AS ADOPTED BY NEW YORK STATE, 2018, CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION FOR SAFETY FOR PUBLIC AND PROPERTY DURING CONSTRUCTION OPERATIONS, SHALL GOVERN THE CONDUCT OF ALL CONSTRUCTION OPERATIONS WITH REGARD TO THE SAFETY OF THE PUBLIC AND PROPERTY.

2. THE CONTRACTOR SHALL INSTITUTE AND MAINTAIN SAFETY MEASURES AND PROVIDE ALL EQUIPMENT OR TEMPORARY CONSTRUCTION NECESSARY TO SAFEGUARD ALL PERSONS AND PROPERTY AFFECTED BY THE CONTRACTOR'S OPERATIONS.

3. THE CONTRACTOR SHALL PROVIDE WARNING SIGNS, FENCES AND OTHER ITEMS AS REQUIRED FOR THE PROPER PROTECTION OF WORKMEN ENGAGED IN CONSTRUCTION OPERATIONS, THE PUBLIC AND ADJACENT CONSTRUCTION.

4. THE CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT WALKWAYS, OR PASSAGEWAYS.

5. NO STRUCTURE, DEVICE, OR CONSTRUCTION EQUIPMENT, WHETHER PERMANENT OR TEMPORARY, INCLUDING ALL PARTLY OR FULLY COMPLETED ELEMENTS OR SECTIONS OF THE BUILDING, SHALL BE LOADED IN EXCESS OF ITS DESIGN CAPACITY.

6. ALL BUILDING MATERIALS STORED AT THE CONSTRUCTION AREA SHALL BE SECURED IN A LOCKED AREA. ACCESS TO SUCH AREAS TO BE CONTROLLED BY THE CONTRACTOR AND OWNER. NO HAZARDOUS MATERIALS SHALL BE STORED ON SITE WITHOUT AUTHORIZATION OF THE OWNER AND IN ACCORDANCE WITH THE CLIENT REGULATIONS.

7. THE CONTRACTOR SHALL KEEP ALL FLAMMABLE MATERIALS TIGHTLY SEALED IN THE MANUFACTURES' CONTAINERS WHEN NOT IN USE. SUCH MATERIALS ARE TO BE KEPT AWAY FROM HEAT AND SHALL BE USED IN AN ADEQUATELY VENTILATED SPACE.

ARCHITECTURE GENERAL NOTES:

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL ARCHITECTURAL PRELIMINARY DRAWINGS.

2. ALL DIMENSIONS SHOW ON THE PRELIMINARY DESIGN DRAWINGS, ARE APPROXIMATE UNLESS OTHERWISE NOTED.

3. THE DESIGN DRAWINGS SHALL INCLUDE THE EXACT LOCATION OF ALL FIXTURES, ACCESSORIES AND OTHER ELEMENTS EMBEDDED WITHIN, ATTACHED TO OR AFFECTING THE FINISHES OF THE COMPLETED SHELTERS.

4. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. THE CODES AND REGULATIONS THAT APPLY TO, AND THE AUTHORITY HAVING JURISDICTION.

CONSTRUCTION NOTES:

1. ALL MATERIALS AND WORK REQUIRED SHALL BE NEW UNLESS OTHERWISE NOTED.

2. ALL DISSIMILAR METALS SHALL BE ISOLATED FROM ONE ANOTHER.

CONTRACTOR NOTES:

1. THE CONTRACTOR SHALL COORDINATE ALL DISCIPLINES AND TRADES IN THE DESIGN AND IMPLEMENTATION OF THE WORK. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM A FAILURE TO COORDINATE THE WORK TO THE SATISFACTION OF THE METRO-NORTH RAILROAD.

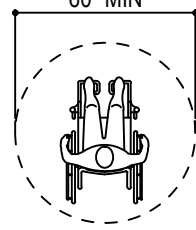
2. THE CONTRACTOR SHALL PROTECT EXISTING EQUIPMENT, WORK AND FINISHES TO REMAIN FROM DAMAGE DURING IMPLEMENTATION OF THE WORK.

3. THE CONTRACTOR SHALL FURNISH A SYSTEM OF TEMPORARY LIGHTS, BARRIERS, OVERHEAD PROTECTION, AND SAFE PASSAGEWAYS TO THE CONSTRUCTION AREA.

4. THE CONTRACTOR SHALL CONFIRM THE ADEQUACY OF ALL NEW WORK AND TEMPORARY SUPPORT SYSTEMS BY CALCULATIONS SIGNED AND SEALED BY PROFESSIONAL ENGINEER REGISTERED IN STATE OF NEW YORK.

ADA BUILDING BLOCKS:

60" MIN



60" MIN

24" MIN

36" MIN

12" MIN

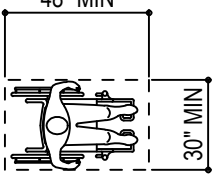
60" MIN

36" MIN

12" MIN

TURNING SPACE

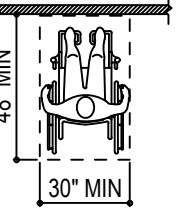
48" MIN



48" MIN

CLEAR FLOOR OR GROUND SPACE

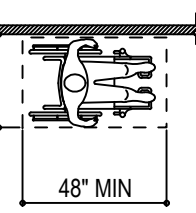
48" MIN



30" MIN

(A) FORWARD

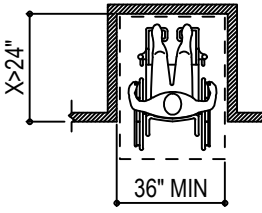
30" MIN



48" MIN

(B) PARALLEL

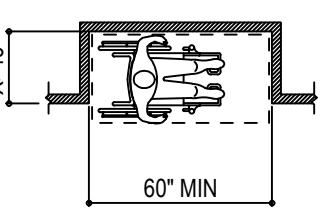
X>24"



36" MIN

MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

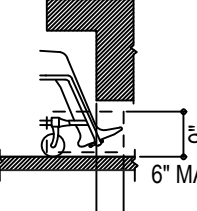
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60" MIN

MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

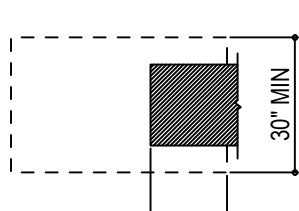
6" MAX



27" MIN

(A) ELEVATION

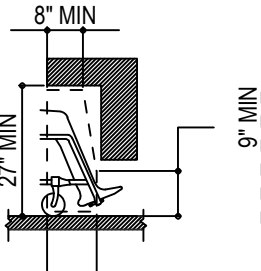
30" MIN



17"-25"

(B) PLAN

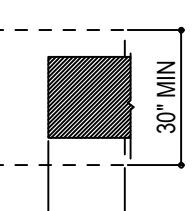
8" MIN



11" MIN

(A) ELEVATION

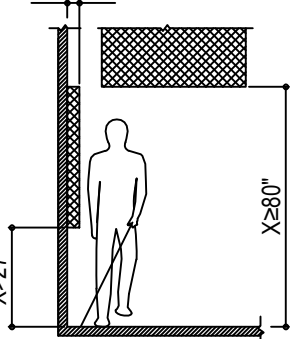
30" MIN



25" MAX

(B) PLAN

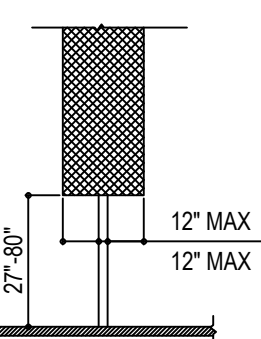
4" MAX



X>80"

TOE CLEARANCE

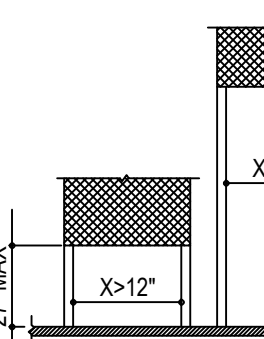
12" MAX



80" MIN

KNEE CLEARANCE

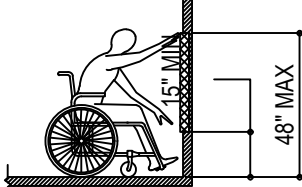
27" MAX



80" MIN

POST-MOUNTED PROTRUDING OBJECTS

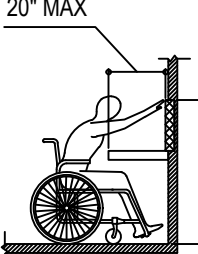
48" MAX



48" MAX

UNOBSTRUCTED FORWARD REACH

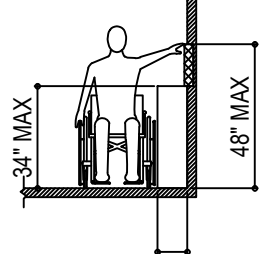
20" MAX



48" MAX

OBSTRUCTED HIGH FORWARD REACH

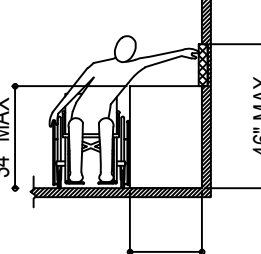
48" MAX



48" MAX

UNOBSTRUCTED SIDE REACH

48" MAX



48" MAX

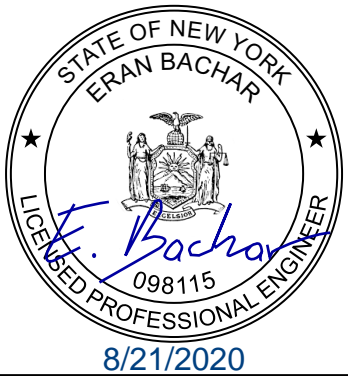
OBSTRUCTED HIGH SIDE REACH

DESIGNED  
C.M.

DRAWN  
N.A.

CHECKED  
T.W.

APPROVED  
C.M.



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CONFORMED

NO.

DATE

DRWN

CHKD

APPVD

REVISIONS

AECOM

MTA Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

PARKING PAY STATION AND  
BUS SHELTER SYMBOLS  
AND GENERAL NOTES

CONTRACT NO.  
142486

SCALE  
N.T.S.

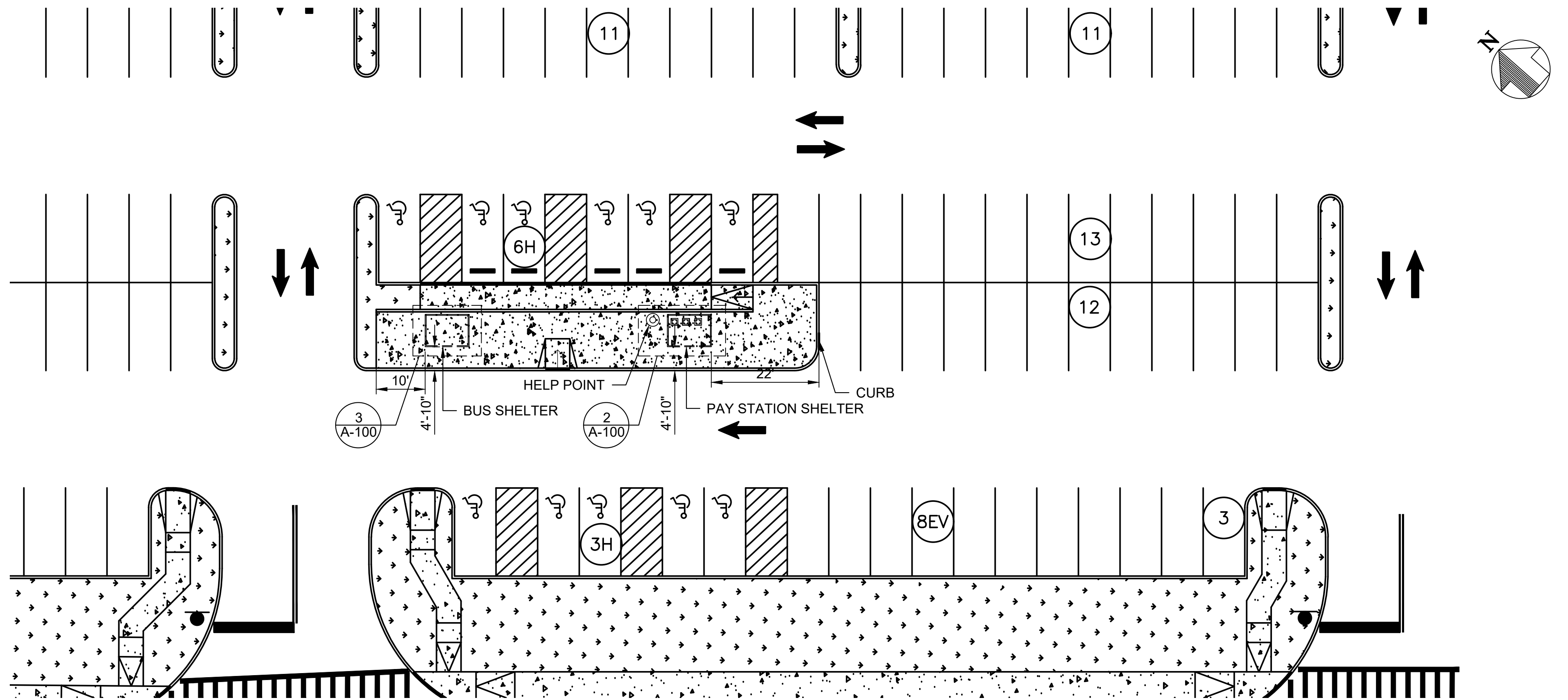
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DRAWING NO.  
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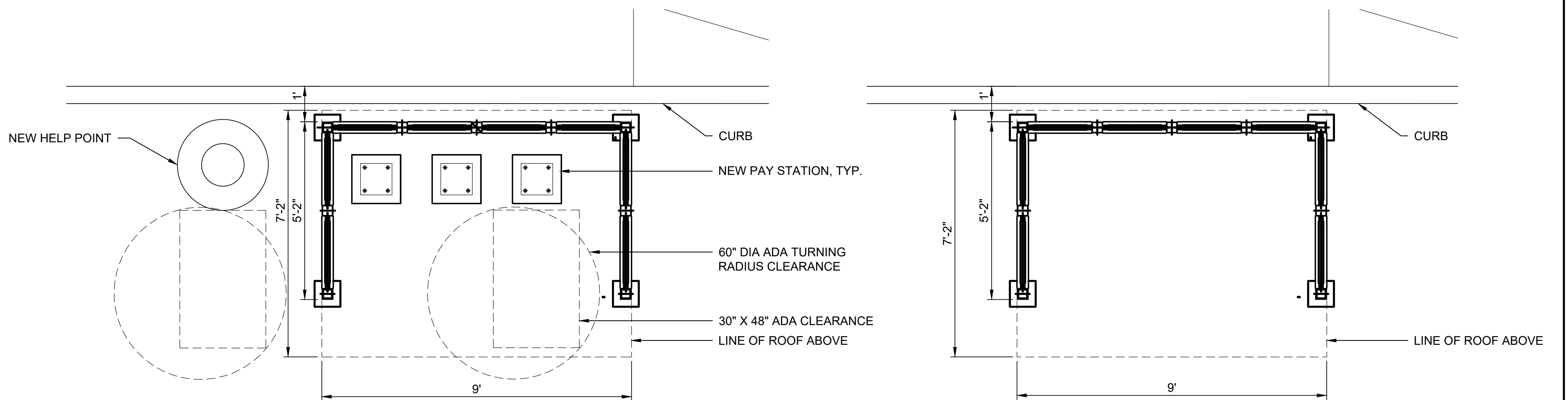
SHEET 58 OF 105

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1 KEY PLAN  
SCALE: 1/16" = 1'-0"



2 PAY STATION AND HELP POINT SHELTER PLAN  
SCALE: 1/2" = 1'-0"

3 BUS SHELTER PLAN  
SCALE: 1/2" = 1'-0"

DESIGNED C.M.	
DRAWN N.A.	
CHECKED T.W.	
APPROVED C.M.	

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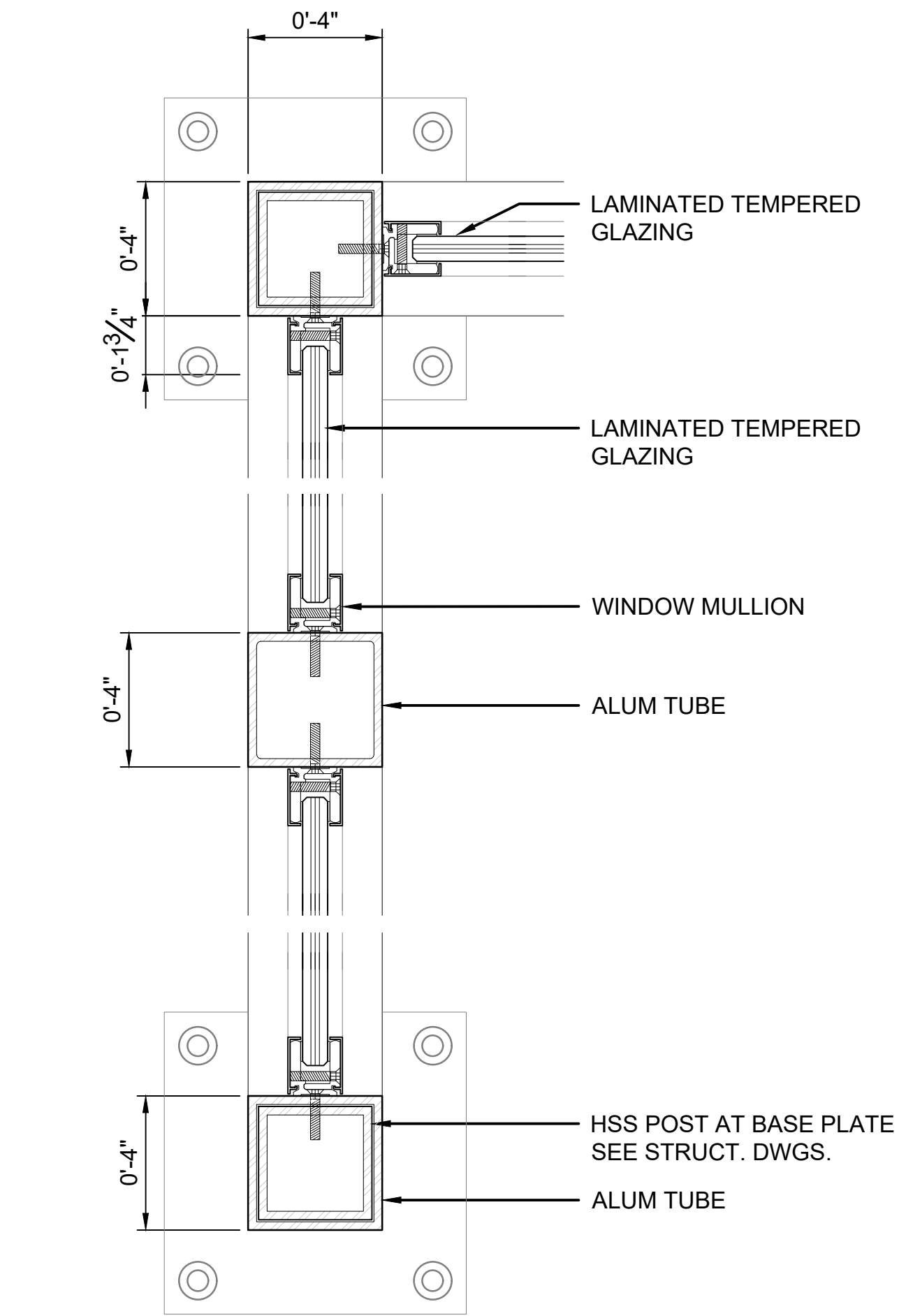
CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

AECOM

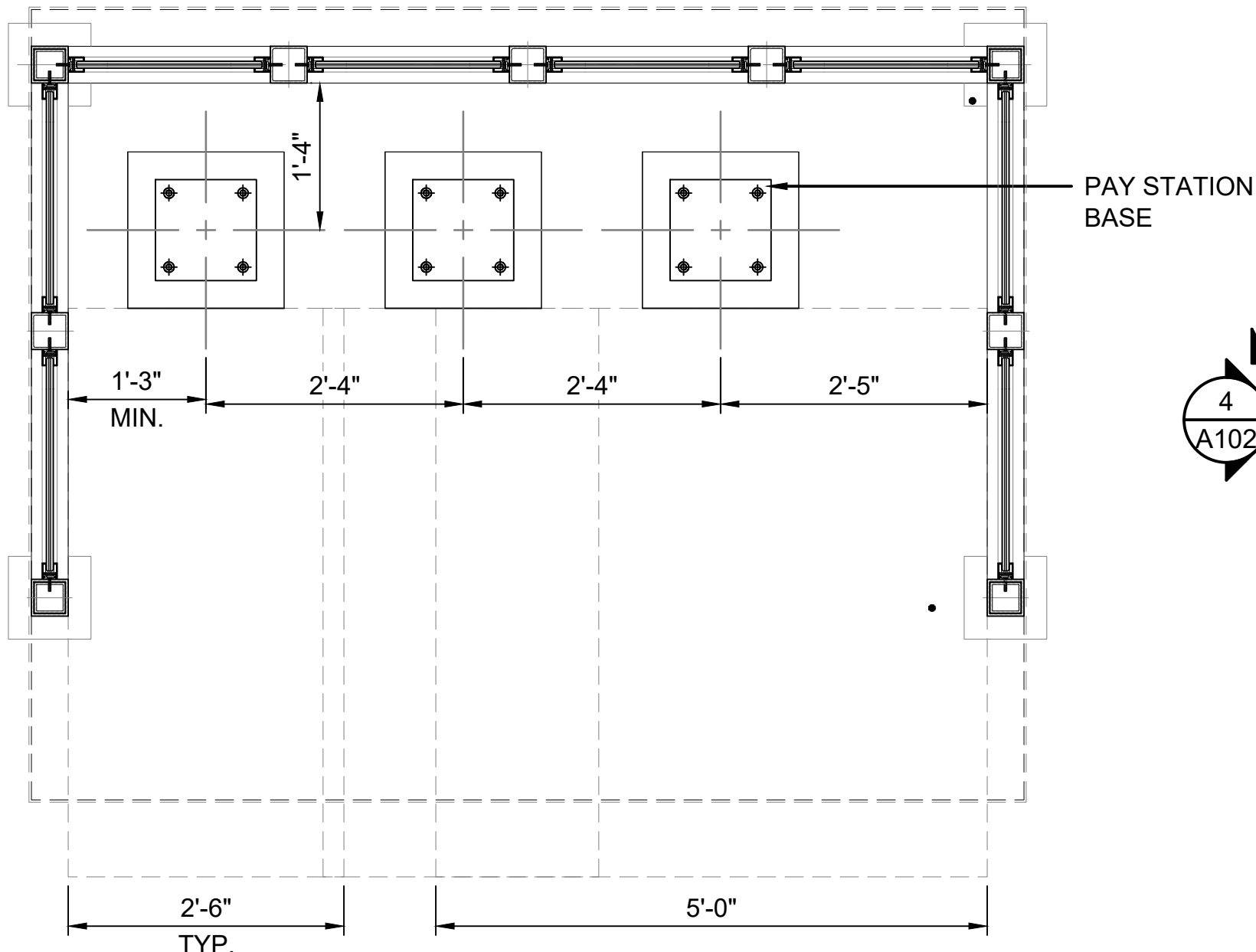
MTA Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
PARKING PAY STATION AND  
BUS SHELTER KEY PLAN,  
LOCATION & SHELTER PLAN

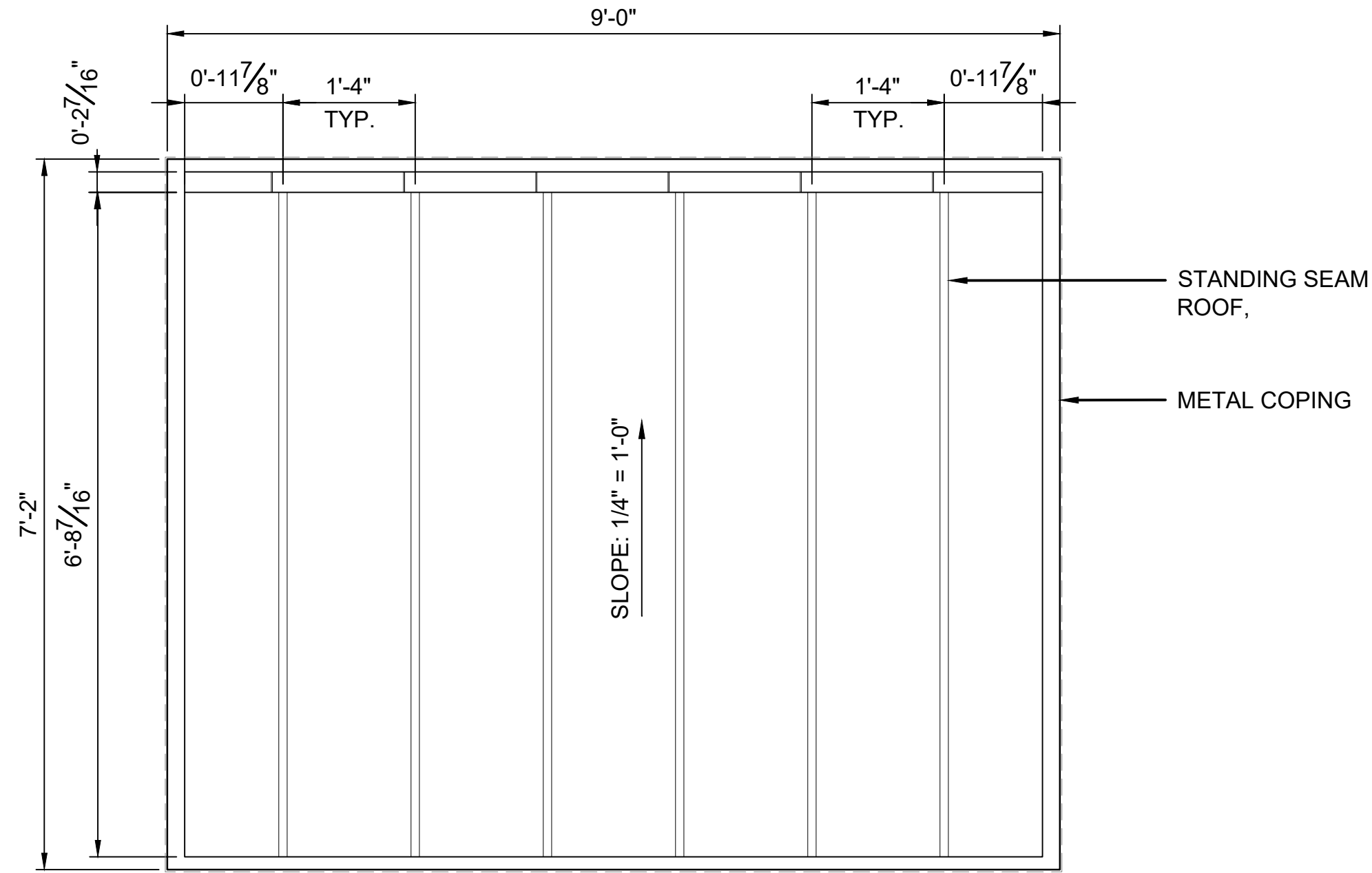
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SCALE AS NOTED	DATE 03-03-2021
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SHEET 59 OF 105	



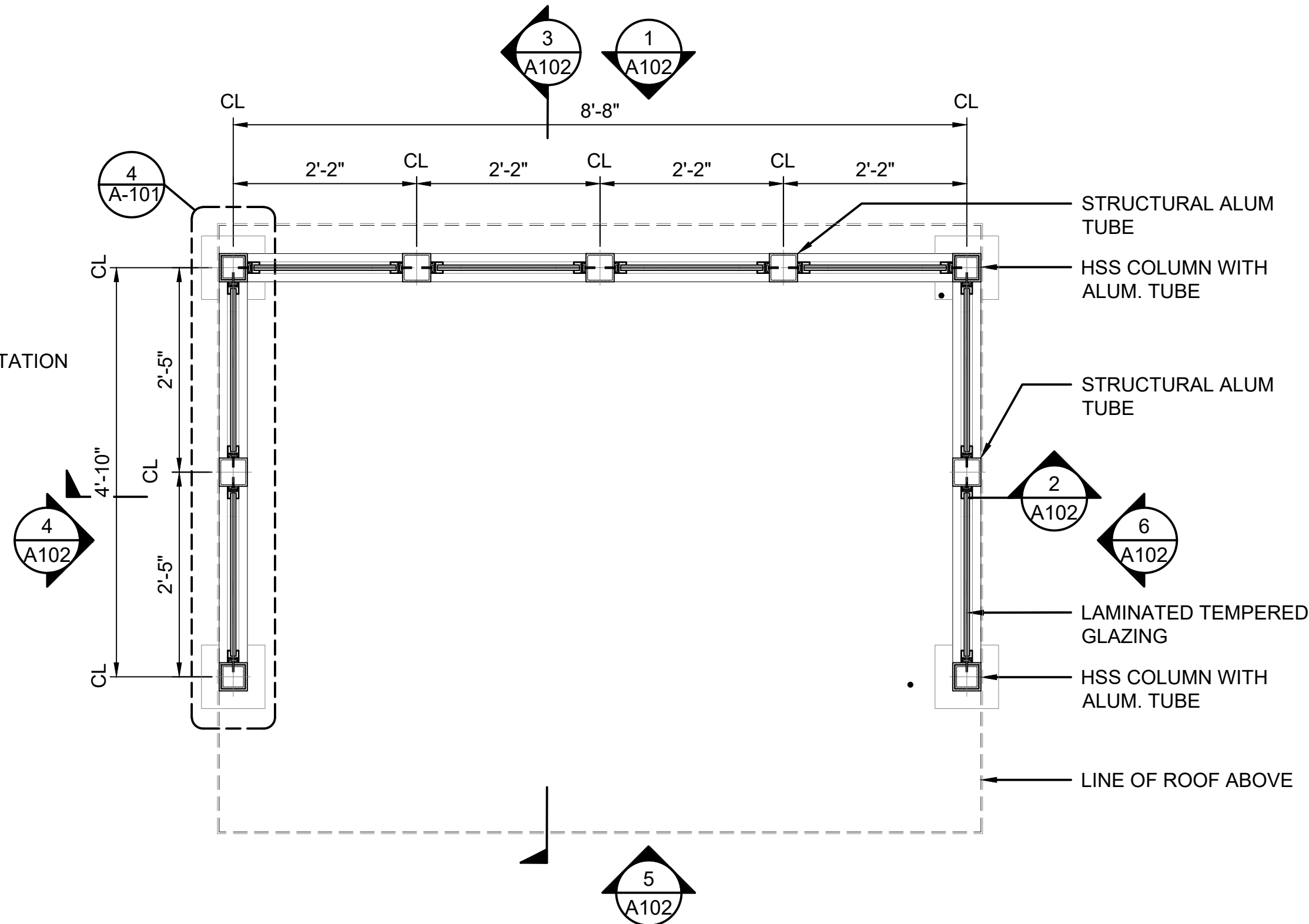
4 PLAN DETAIL  
SCALE: 3" = 1'-0"



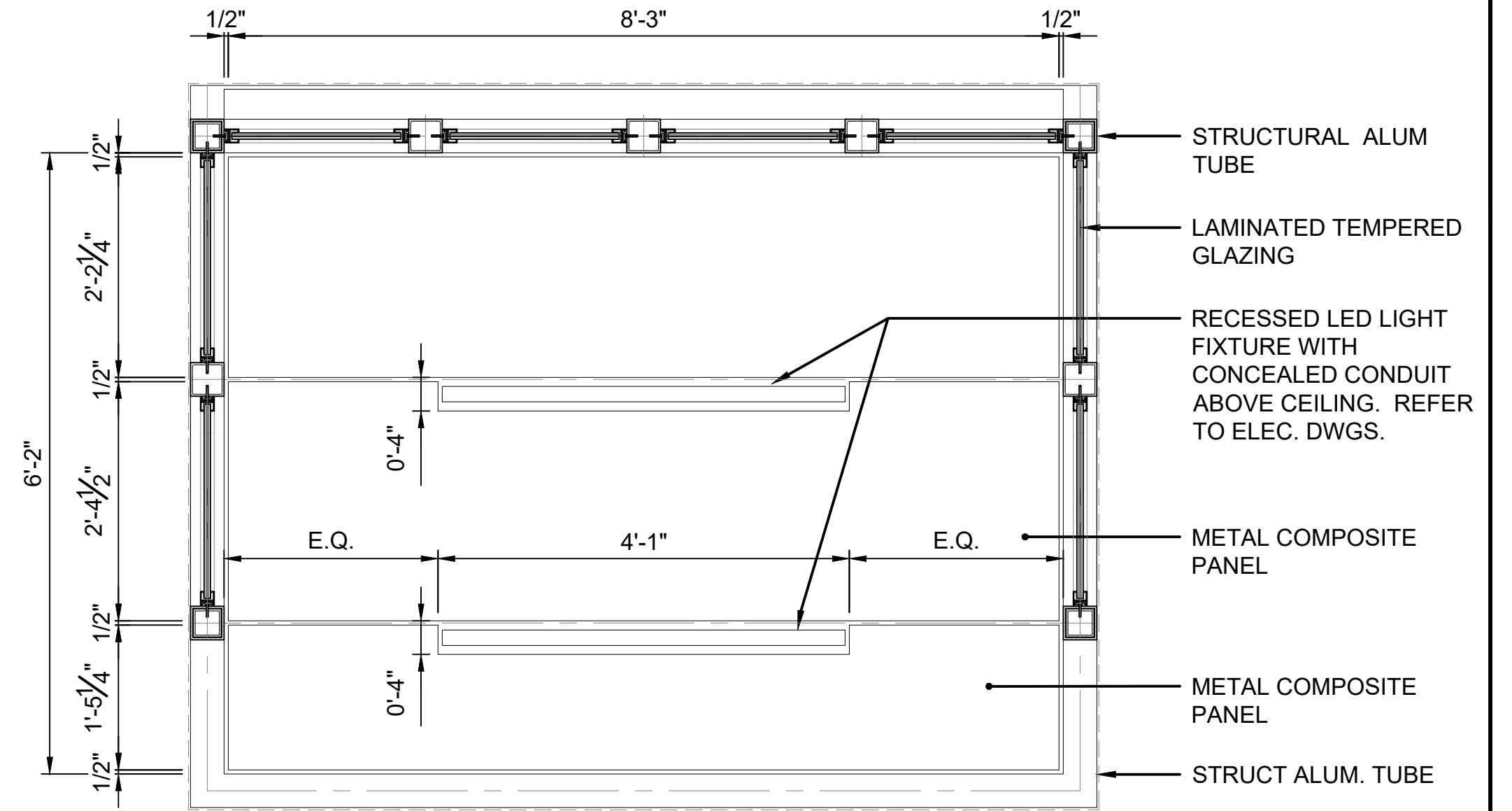
1 PAY STATION LOCATION PLAN  
SCALE: 3/4" = 1'-0"



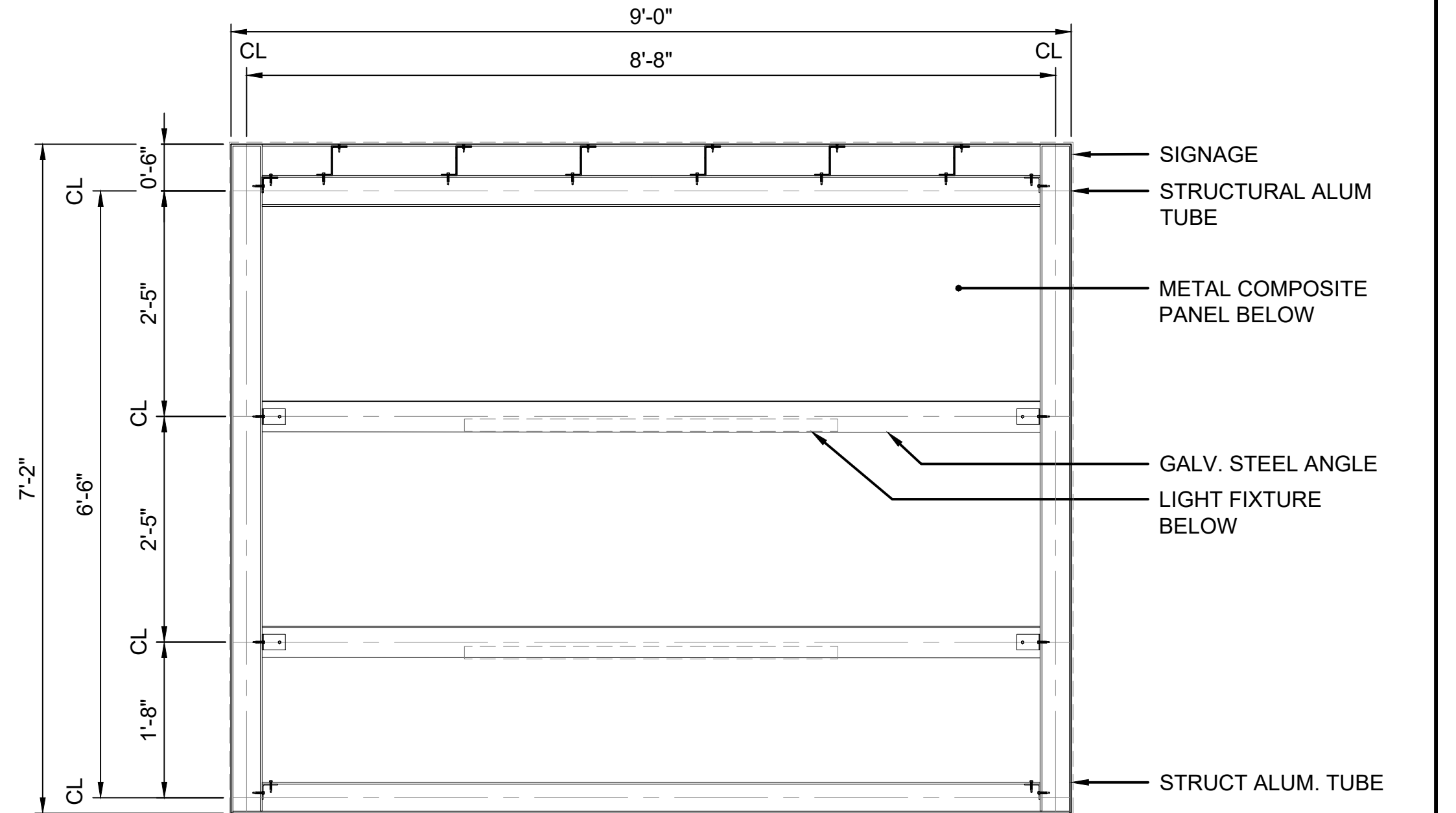
5 STANDING SEAM ROOF PLAN  
SCALE: 3/4" = 1'-0"



2 PLAN  
SCALE: 3/4" = 1'-0"



6 REFLECTED CEILING PLAN  
SCALE: 3/4" = 1'-0"



3 CEILING FRAMING PLAN  
SCALE: 3/4" = 1'-0"

Nobuniko.Araki 8/21/2020 11:11:51 AM

DESIGNED  
C.M.

DRAWN  
N.A.

CHECKED  
T.W.

APPROVED  
C.M.

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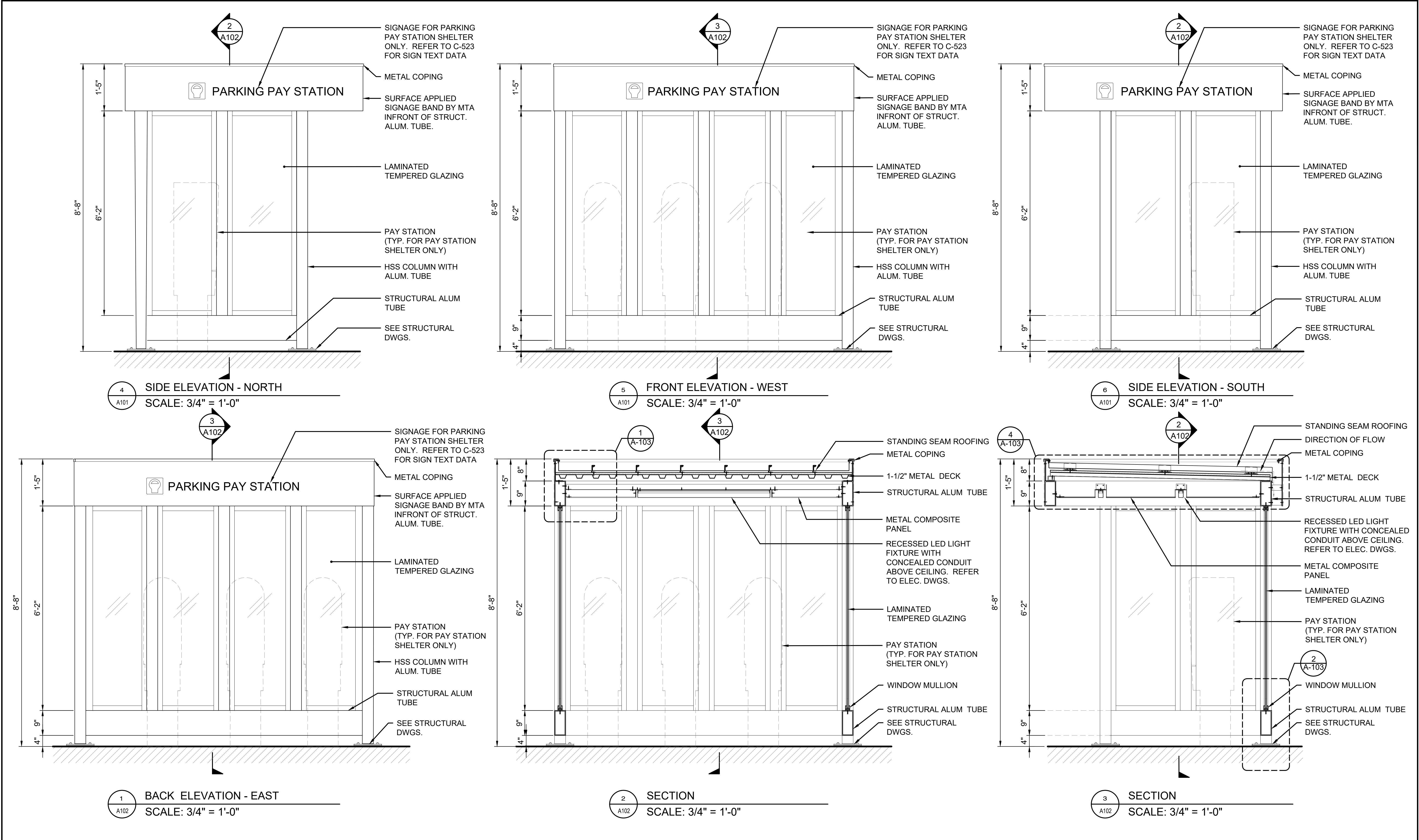
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NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					



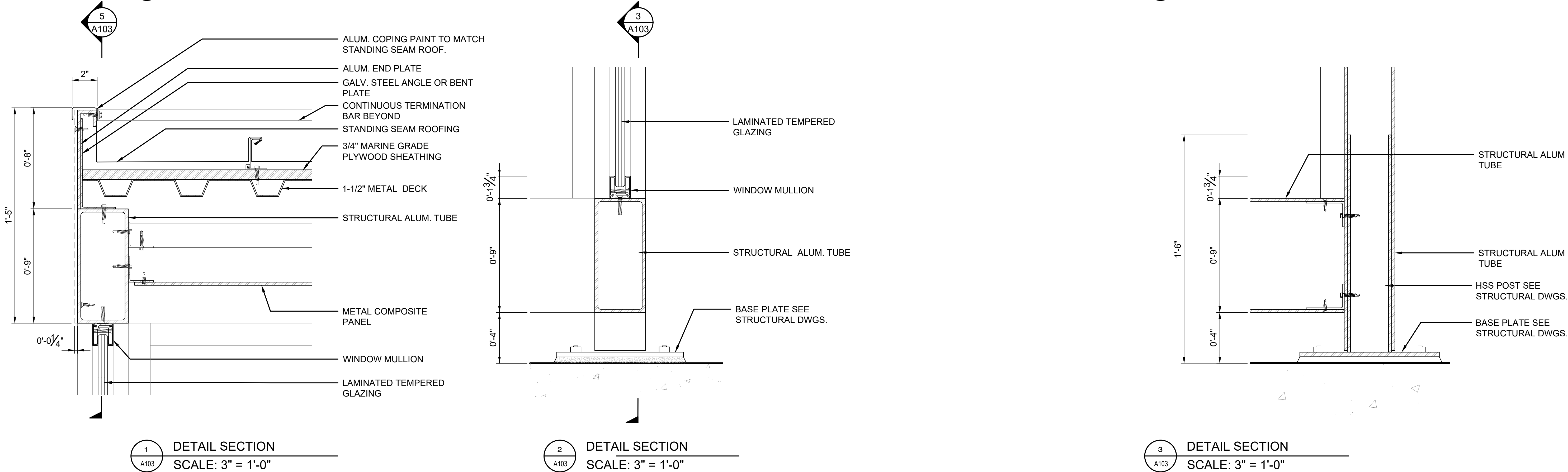
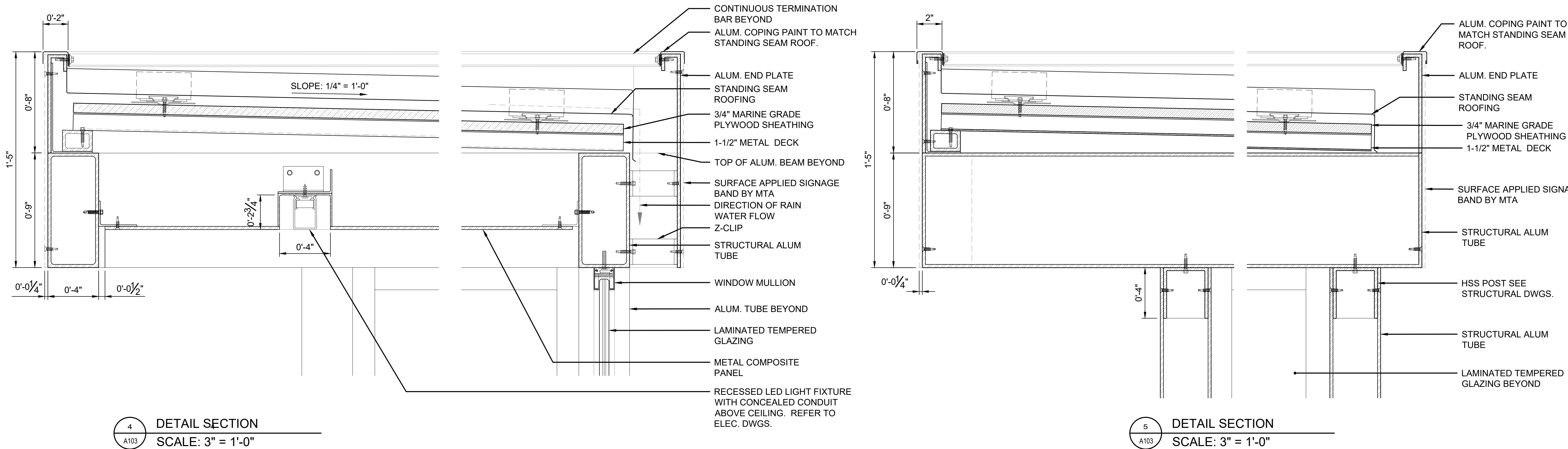
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
PARKING PAY STATION AND  
BUS SHELTER PLANS, RCP  
& DETAIL

CONTRACT NO. 142486	
SCALE 3/4" = 1'-0"	DATE 08-21-2020
DRAWING NO. A-101	
SHEET 60 OF 105	





DESIGNED C.M.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  PARKING PAY STATION AND BUS SHELTER ELEVATIONS & SECTIONS	CONTRACT NO. 142486	
DRAWN N.A.											SCALE 3/4" = 1'-0"	DATE 08-21-2020
CHECKED T.W.											DRAWING NO. A-102	
APPROVED C.M.											SHEET 61 OF 105	



DESIGNED C.M.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  PARKING PAY STATION DETAILS	CONTRACT NO. 142486	
DRAWN N.A.			SCALE 3" = 1'-0"		DATE 08-21-2020							
CHECKED T.W.			DRAWN		CHKD	APPVD						
APPROVED C.M.			NO.		DATE							
			REVISIONS								DRAWING NO. A-103	
											SHEET 62 OF 105	

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GENERAL NOTES

1. TWO WEEKS PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON THE ROUTE 202/ CROTON FALLS ROAD TRAFFIC SIGNAL, THE ELECTRICAL CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO THE DEPARTMENT A WRITTEN NOTIFICATION OF THE DATE THEY WILL ASSUME RESPONSIBILITY FOR TRAFFIC SIGNAL MAINTENANCE. NO CONSTRUCTION WORK SHALL PROCEED UNTIL TRAFFIC SIGNAL MAINTENANCE IS ASSUMED BY THE ELECTRICAL CONTRACTOR. THE EXISTING TRAFFIC SIGNAL SHALL BE MAINTAINED BY THE ELECTRICAL CONTRACTOR UNDER THE REQUIREMENTS OF SECTION 619 OF NYSDOT STANDARD SPECIFICATIONS, EXCEPT FOR THE CONTROLLER, PROGRAMMING AND TIMING WHICH SHALL BE MAINTAINED BY THE DEPARTMENT.
2. TRAFFIC SIGNAL ACTIVATION SHALL BE DONE BY NYSDOT TRAFFIC SIGNAL PERSONNEL ONLY. THE ELECTRICAL CONTRACTOR SHALL NOTIFY NYSDOT REGION 8 TRAFFIC TWO WEEKS PRIOR TO THE REQUESTED DATE OF ACTIVATION.
3. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED UNLESS OTHERWISE NOTED. ALL BOLTS, NUTS, AND WASHERS EXCEPTING ANCHOR BOLTS AND NUTS SHALL BE STAINLESS STEEL.
4. EXCAVATION AND RESTORATION REQUIREMENTS

A. FOUNDATION EXCAVATIONS ARE TO BE FILLED WITH CONCRETE THE DAY THEY ARE DUG TO AVOID HOLES LEFT OPEN OVERNIGHT. FOUNDATION INSTALLATION SHALL BE DONE IN ACCORDANCE WITH SECTION 680-3.10 OF THE NYSDOT SPECIFICATIONS. ONLY BACK FILLING WITH CONCRETE WILL BE PERMITTED.

B. SHOULD ANY EXCAVATION DUE TO THE INSTALLATION OF PULLBOXES, JACKING PITS, CONDUIT, POLES CONTROLLERS, ETC. BE LEFT OPEN AT THE END OF THE WORKING DAY, THE CONTRACTOR SHALL PROVIDE PROTECTION MEETING THE REQUIREMENTS OF SECTION 107-05F, THE COST OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR THE INSTALLATION AND/OR REMOVAL ITEMS.

C. UNLESS OTHERWISE SHOWN, THE CONTRACTOR IS CAUTIONED THAT THE EXISTING CURB IS TO BE RETAINED AND SHALL NOT BE BROKEN OR REMOVED AS PART OF HIS EXCAVATION AND/OR RESTORATION WORK.
5. CONDUIT AND PULLBOX NOTES

A. WHENEVER METALLIC CONDUIT, MEETING THE REQUIREMENTS OF SUBJECTION 723-20 METAL SHEET CONDUIT, ZINC COATED, IS SPECIFIED, IT SHALL BE CLASS 1 - RIGID METAL STEEL CONDUIT.

B. NON-METALLIC CONDUIT SHALL BE TERMINATED WITH BELL FITTINGS WHICH ARE GROUTED FLUSH WITH THE INSIDE OF THE PULLBOX WALL. NON-METALLIC CONDUITS ARE NOT TO PROTRUDE INTO THE PULLBOX.

C. METALLIC CONDUITS ARE TO PROTRUDE INTO THE PULLBOX SUFFICIENTLY TO SECURE GROUNDING BUSHES BUT NOT MORE THAN 3 INCHES. CONDUIT ENDS SHALL BE THREADED TO ACCEPT THREADED BONDING BUSHINGS.

D. UNLESS SPECIFIED ON THE PLANS, A NO. 2 CRUSHED STONE OR GRAVEL BASE WILL NOT BE REQUIRED AS SPECIFIED ON STANDARD SHEET "PULLBOX, CONDUIT AND GROUND ROD INSTALLATION DETAILS.

E. ALL CONDUIT RUNS CONTAINING SERVICE CABLE SHALL HAVE A MINIMUM COVER OF 30 INCHES OR AS NOTED ON PLANS.

- F. THREADED INSULATING BONDING BUSHING SHALL BE INSTALLED AT EVERY CONDUIT ENTRANCE TO A PULLBOX. THREADED, SET SCREW TYPE BUSHINGS AND COUPLINGS ARE NOT ACCEPTABLE. NO CABLES SHALL BE INSTALLED IN CONDUITS PRIOR TO THE INSTALLATION OF THE INSULATED BONDING BUSHINGS.
- G. THE CONTRACTOR SHALL REPLACE ALL PULLBOXES THAT ARE OPENED AND FOUND TO BE BRICK. THIS SHALL BE PAID FOR UNDER ITEM 680.51050010.
- H. IF THE BRICK COLLAR ON ANY EXISTING PULLBOX IS DAMAGED OR MISSING, THE CONTRACTOR SHALL REPLACE THE COLLAR. WORK TO BE PAID FOR UNDER ITEM 680.51000010.
- I. IF THE EXISTING PULLBOXES HAVE EITHER OF THE TWO WIRE HANGERS MISSING AS PER THE PULLBOX DETAIL ON STANDARD SHEET 680-04, THE CONTRACTOR SHALL FURNISH AND INSTALL NEW WIRE HANGERS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- J. ALL EXISTING PULLBOXES AND CONDUIT SHALL BE CLEANED BEFORE INSTALLING PROPOSED WIRE.
6. GROUNDING REQUIREMENTS

A. ALL METALLIC CONDUIT SHALL BE BONDED WITH GROUNDING BUSHINGS AND CONNECTED TOGETHER WITH #6 SOLID BARE COPPER WIRE. ONLY #6 SOLID BARE COPPER WIRE SHALL BE USED FOR GROUNDING.

B. ALL NON-METALLIC CONDUITS AND CONDUIT RUNS HAVING BOTH METALLIC AND NON-METALLIC CONDUIT BETWEEN PULLBOXES OR EQUIPMENT FOUNDATION SHALL BE PROVIDED WITH A NO. 6 SOLID BARE COPPER DRAIN WIRE.

C. IF THE NON-METALLIC CONDUIT DRAIN WIRE CANNOT BE GROUNDED AT BOTH ENDS TO A STEEL CONDUIT, WHICH IS AT LEAST 10 FEET LONG, A GROUND ROD SHALL BE PROVIDED TO TERMINATE THE DRAIN WIRE.

D. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING A CONTINUOUSLY GROUNDED CONDUIT SYSTEM. SHOULD EXISTING CONDUIT BE USED TO WIRE THE SIGNAL SYSTEM, THESE CONDUITS SHALL BE GROUNDED IN ACCORDANCE WITH THE GROUNDING REQUIREMENTS.

E. ALL PEDESTRIAN POLES, AND PUSH BUTTON STATION SHALL BE GROUNDED BY MEANS OF A GROUND ROD DRIVEN IN THE NEAREST PULLBOX OR AS PROVIDED ON STANDARD SHEET "SPAN WIRE MOUNTED TRAFFIC SIGNAL INSTALLATION DETAIL".
7. TRAFFIC SIGNAL HEAD REQUIREMENTS

A. LOCK NUTS SHALL BE MADE OF GALVANIZED, MALLEABLE, IRON

B. NO COUPLINGS SHALL BE PERMITTED BETWEEN THE WIRE OUTLET FITTINGS AND THE SIGNAL HEAD OR THE BRACKET ASSEMBLY.

C. THE CONTRACTOR SHALL ENSURE THAT THE CONNECTIONS BETWEEN THE SIGNAL HEAD BRACKETS AND THE SIGNAL HEADS ARE WATER TIGHT.
8. THE CONTRACTOR, UPON REMOVING EXISTING LED TRAFFIC SIGNAL MODULES FROM THEIR HOUSING, PEDESTRIAN SIGNAL POLES, ADA PED BUTTONS, WIRELESS ANTENNAS, VIDEO DETECTION, CONTROLLER CABINETS, CONTROLLERS AND ACCESSORIES, SHALL NEATLY STORE THE EQUIPMENT UNTIL DELIVERED BY THE CONTRACTOR TO A STATE MAINTENANCE YARD AS SPECIFIED ON THE PLANS. ALL CONTROLLER EQUIPMENT SHALL BE STORED IN A MANNER THAT WILL PROTECT IT FROM WEATHER. THE WORK SHALL BE DONE IN A WORKMANLIKE MANNER SO AS TO SALVAGE ALL USABLE PARTS. ALL OTHER REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. PROPER PRECAUTIONS SHALL BE TAKEN TO PROTECT TRAFFIC AT ALL TIMES. THE CONTRACTOR SHALL INVENTORY ALL EQUIPMENT WITHIN 60 DAYS OF THE AWARD OF THE CONTRACT AND PROVIDE THE INVENTORY LISTING TO THE ENGINEER FOR VERIFICATION OF TRANSFER AT THE COMPLETION OF THE PROJECT.

9. UPON REMOVAL OF ANY POLE MOUNTED CABINETS, THE CONTRACTOR SHALL ENCLOSE THE CONDUIT OUTLET BY MEANS OF A HOT DIPPED GALVANIZED CAP. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE REMOVAL OF THE CABINET.
10. IF NEW SPAN WIRES ARE INSTALLED ON EXISTING POLES, NEW STRAND VISES AND EYEBOLTS ARE TO BE USED. IF AN EXISTING SPAN WIRE IS EXTENDED TO A NEW TRAFFIC SIGNAL POLE, NEW STRAND VISES AND EYEBOLTS SHALL BE USED. THIS WORK SHALL BE INCLUDED UNDER THE NEW SPAN WIRE OR SPAN WIRE RELOCATION ITEM.
11. WHEN REMOVING A SPAN AND TETHER WIRE, EVERYTHING THAT IS ON THE SPAN AND TETHER SHALL BE REMOVED. THIS SHALL INCLUDE BUT IS NOT LIMITED TO SIGNAL HEADS AND SIGNS. THIS WORK IS TO BE PAID UNDER ITEM 680.99100010.
12. THE "S" HOOK SUPPLIED WITH TETHER WIRES TO PROVIDE A RELEASE MECHANISM SHALL RELEASE AT A TENSION OF BETWEEN 1,500 AND 2,000 POUNDS. TWO "S" HOOKS AND TWO TURN BUCKLES SHALL BE REQUIRED, ONE FOR EACH END OF THE TETHER SPAN.
13. CABLE

A. SIGNAL CABLE IS TO BE ATTACHED TO THE SPAN WIRE BY THE USE OF COPPERCLAD LASHING RODS. WHEN ATTACHING TO MESSENGER ASSEMBLIES, EITHER COPPERCLAD LASHING RODS OR STAINLESS STEEL LASHING WIRE SHALL BE USED.

B. UNDER NO CIRCUMSTANCE SHALL INDIVIDUAL SIGNAL CABLE CONDUCTORS OF A MULTICONDUCTOR CABLE, BE PERMITTED IN TRAFFIC SIGNAL POLES OR POSTS WITHOUT THE PROTECTION OF THE CABLE OUTER INSULATION.

CONDUCTORS OF THE SIGNAL CONTROL CABLE, CONNECTING SWITCH PACK OUTPUTS WITH THE TRAFFIC SIGNAL HEAD SHALL BE TERMINATED WITH A BUTT SPLICE AT THE LAST HEAD IN WHICH THE CONDUCTOR ENERGIZES A SIGNAL INDICATION. AT TEE SPLICES FOR TRAFFIC SIGNAL HEADS ONLY CONDUCTORS WHICH ARE TO BE SPLICED INTO THE SIGNAL HEAD AT THAT SPLICE SHALL BE CUT. CONDUCTORS NOT TERMINATED ON TERMINAL BLOCK, NOT SPLICED IN TEE SPLICE OR NOT TERMINATING IN THE LAST TRAFFIC SIGNAL HEAD FROM THE CONTROLLER SHALL BE INDIVIDUALLY WRAPPED WITH TAPE TO PREVENT SHORTS PRIOR TO THE COMPLETION OF A SPLICE IN ACCORDANCE WITH THE SPECIFICATIONS.
14. SERVICE CONNECTIONS

THE CONTRACTOR SHALL INSTALL FUSE LINKS CONTAINING REPLACEABLE CARTRIDGE TYPE FUSES, APPROVED BY THE UTILITY COMPANY SUPPLYING SERVICE, TO THE SERVICE END OF THE CONTRACTOR INSTALLED SERVICE CABLE. THE UTILITY COMPANY WILL ATTACH THEIR SERVICE CABLE TO THE FREE END OF THE FUSE LINKS. THE FUSE LINKS SHALL BE RATED FOR THE SERVICE CABLE SPECIFIED ON PLANS. THE INSTALLATION OF THE FUSE LINKS WILL PROVIDE A FUSED SERVICE CABLE WITHIN THE SIGNAL POLE. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR INSTALLING A SEPARATE WEATHERHEAD AND CONDUIT FOR THE SERVICE CABLE WHEN FUSE LINKS ARE INSTALLED. SHOULD THE CONTRACTOR FURNISH TWO SINGLE CONDUCTOR CABLES, INSTEAD OF A SINGLE DUAL CONDUCTOR CABLE WITH WHITE AND BLACK CONDUCTORS ONE CABLE SHALL BE BLACK AND ONE WHITE FOR THE NEUTRAL CONNECTION. THE CONTRACTOR WILL BE PAID THE NUMBER OF LINEAR METERS OF TWO CONDUCTOR SERVICE CABLE INSTALLED.
15. PEDESTRIAN SIGNAL AND PEDESTRIAN BUTTON WIRING

A. PEDESTRIAN SIGNAL HEADS SHALL BE PROVIDED WITH A FIVE POSITION TERMINAL BLOCK.

B. WHEN THE PLANS REQUIRE A PEDESTRIAN SIGNAL HEAD AND A PEDESTRIAN PUSH BUTTON TO BE CONNECTED TO THE INTERSECTION CONTROLLER WITH THE SAME FIVE CONDUCTOR CABLE THE FIVE CONDUCTOR CABLE SHALL BE TERMINATED AT A FIVE POSITION TERMINAL BLOCK IN THE PEDESTRIAN SIGNAL HEAD. A TWO CONDUCTOR CABLE MEETING THE REQUIREMENTS OF SECTION 724-01 SHALL BE USED BETWEEN THE TERMINAL BLOCK AND THE PEDESTRIAN PUSH BUTTON. THE 2 CONDUCTOR CABLE SHALL BE INCLUDED IN THE PRICE BID FOR THE PEDESTRIAN PUSH BUTTON.

16. TRAFFIC SIGNAL MAINTENANCE

THE CONTRACTOR MUST PROVIDE THE ENGINEER WITH THE NAME(S) OF THOSE PERSONS RESPONSIBLE FOR THE MAINTENANCE OF SIGNAL EQUIPMENT AND CONDUCT A PRE-TAKEOVER INSPECTION OF THE SIGNAL TO BE MAINTAINED AT LEAST (2) WEEKS PRIOR TO ANTICIPATED ASSUMPTION OF MAINTENANCE RESPONSIBILITIES. MAINTENANCE OF TRAFFIC SIGNAL EQUIPMENT SHALL COMMENCE ON 12:01 A.M. OF THE DAY THAT ANY WORK BEGINS. IF THE START OF WORK IS DELAYED, SIGNAL MAINTENANCE MUST BE COMMENCED WITHIN TWO (2) MONTHS OF CONTRACT AWARD.

17. TRAFFIC SIGNAL REQUIREMENTS

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL SIGNAL INTERCONNECT CABLE, DETECTOR CABLE, CONDUIT, AND ALL UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION.

B. ALL TRAFFIC SIGNALS SHALL BE MAINTAINED IN A TRAFFIC RESPONSIVE OPERATION, AND ALL INTERCONNECT, WHERE EXISTING, SHALL BE MAINTAINED. THE CONTRACTOR SHALL PAY A LIQUIDATED DAMAGES CHARGE OF \$500.00 PER CALENDAR DAY IF ACTUATION AND COORDINATION IS NOT MAINTAINED.

C. BEFORE WORK BEGINS ON THE TRAFFIC SIGNAL, THE CONTRACTOR SHALL NOTIFY THE EIC AS TO THE PRESENCE OF OPTICAL PRE-EMPTION ON THE EXISTING SPAN WIRE. THE EIC SHALL THEN NOTIFY THE NYS DOT PERMITS SECTION SO THEY CAN INFORM THE PERMITEE OF ANY CHANGES TO THE TRAFFIC SIGNAL SPAN.

18. PERFORM ALL SIGNAL/INTERSECTION WORK UNDER NYSDOT JURISDICTION IN CONFORMANCE WITH NYSDOT STANDARD SPECIFICATIONS (2020).

DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.



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CONFORMED

NO. DATE

DRWN

CHKD

APPVD

REVISIONS

AECOM



Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

TRAFFIC SIGNAL NOTES

CONTRACT NO.  
142486

SCALE  
NTS

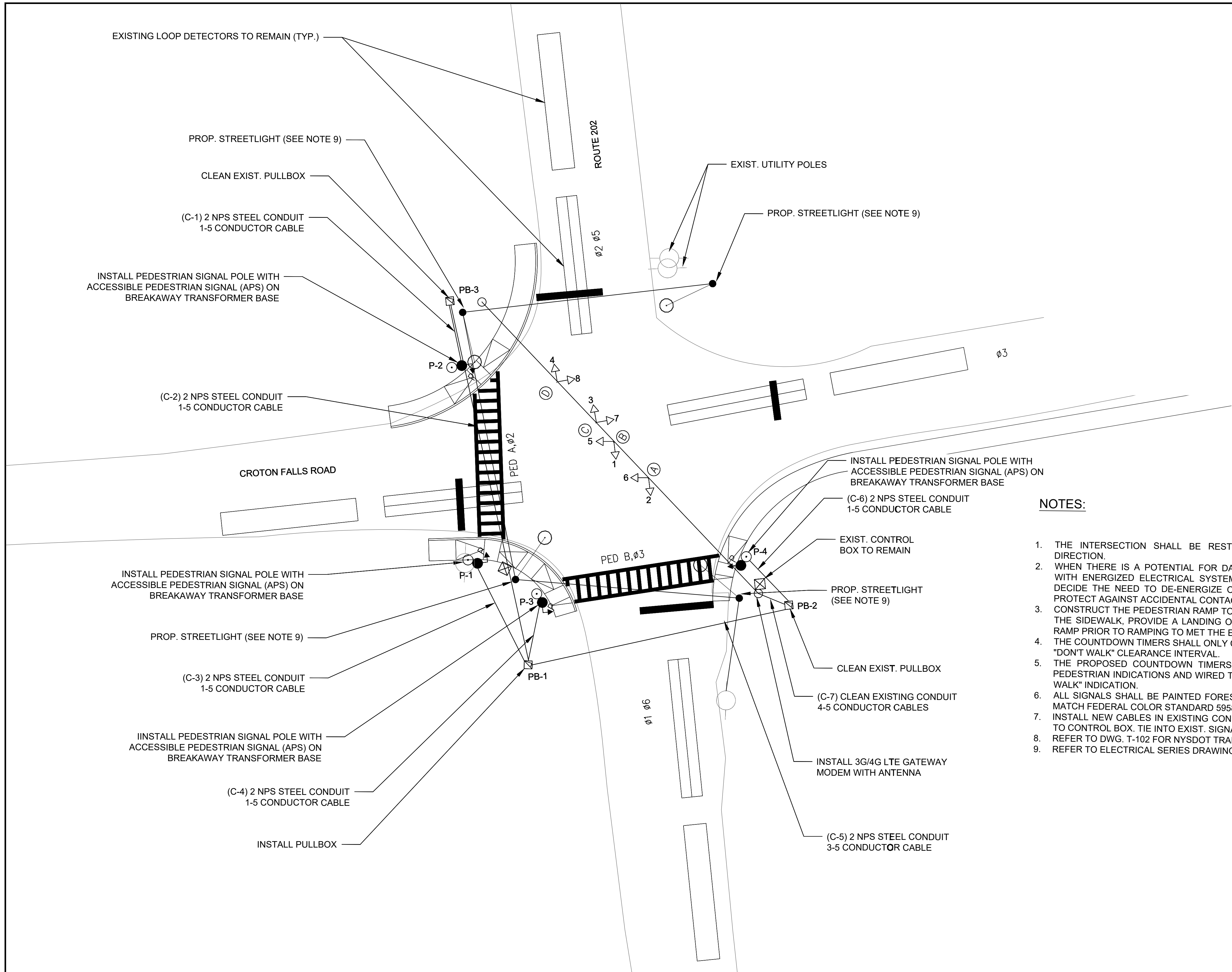
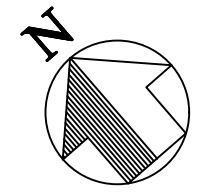
DATE  
08-21-2020

DRAWING NO.

T- 001

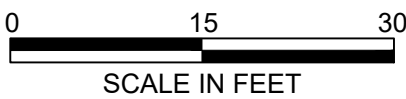
SHEET 63 OF 105



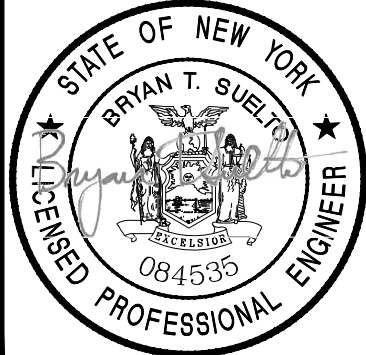


NOTES:

1. THE INTERSECTION SHALL BE RESTRIPTED UP TO 100 FEET IN EACH DIRECTION.
2. WHEN THERE IS A POTENTIAL FOR DANGEROUS PROXIMITY OR CONTACT WITH ENERGIZED ELECTRICAL SYSTEMS, UTILITIES SHALL BE CALLED TO DECIDE THE NEED TO DE-ENERGIZE OR INSULATE LINES, OR OTHERWISE PROTECT AGAINST ACCIDENTAL CONTACT.
3. CONSTRUCT THE PEDESTRIAN RAMP TO MEET THE EXISTING SLOPES ALONG THE SIDEWALK, PROVIDE A LANDING ON EITHER SIDE OF THE PEDESTRIAN RAMP PRIOR TO RAMPING TO MET THE EXISTING SIDEWALK SLOPE.
4. THE COUNTDOWN TIMERS SHALL ONLY COUNT DOWN DURING THE FLASHING "DON'T WALK" CLEARANCE INTERVAL.
5. THE PROPOSED COUNTDOWN TIMERS SHALL BE INSTALLED BELOW THE PEDESTRIAN INDICATIONS AND WIRED TO THE SAME OUTPUT AS THE "DON'T WALK" INDICATION.
6. ALL SIGNALS SHALL BE PAINTED FOREST GREEN. THE PAINT COLOR SHALL MATCH FEDERAL COLOR STANDARD 5958, COLOR NUMBER 34066.
7. INSTALL NEW CABLES IN EXISTING CONDUIT FROM PULLBOX TO SPAN POLE TO CONTROL BOX. TIE INTO EXIST. SIGNAL SYSTEM.
8. REFER TO DWG. T-102 FOR NYSDOT TRAFFIC SIGNAL TABLES.
9. REFER TO ELECTRICAL SERIES DRAWINGS FOR STREET LIGHTING DESIGN.



DESIGNED B.T.S.
DRAWN H.M.Y.
CHECKED W.T.C.
APPROVED E.B.



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CONFORMED				
NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

AECOM



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
TRAFFIC SIGNAL PLAN -  
W-166  
CROTON FALLS RD/RTE 202

CONTRACT NO. 142486	
SCALE 1" = 15'	DATE 12-04-2020
DRAWING NO. T-101	
SHEET 64 OF 105	

Yeung 10/19/2020 1:50:47 PM



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DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.

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REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

TRAFFIC SIGNAL TABLES -  
W-166  
CROTON FALLS RD/RTE 202

CONTRACT NO. 142486	
SCALE NTS	DATE 12-04-2020
DRAWING NO. T-102	
SHEET 65 OF 105	

PEDESTRIAN INDICATION ITEMS							
ITEM NUMBER	DESCRIPTION	UNIT	P-1	P-2	P-3	P-4	TOTAL
680.5001	POLE EXC AND CONCRETE FOUNDATION (CODE J1)	CY	1.1	1.1	1.1	1.1	4.4
680.6808	TRAFFIC SIGNAL POLE, BRKT MNY, 8 FEET MNT HEIGHT	EA	1	1	1	1	4
680.81310209	ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITHOUT POLE	EA	1	1	1	1	4
680.813103	PED SIGNAL SECTION - TYPE 1, 12 INCH	EA	2	2	2	2	8
680.813105	PED SIGNAL MODULE - 12 INCH BI-MODAL HAND/MAN	EA	1	1	1	1	4
680.8141	PED SIGNAL BRKT MOUNT ASSY	EA	1	1	1	1	4
680.8150001	PED COUNT-DOWN TIMER	EA	1	1	1	1	4
680.82201908	BREAKAWAY TRANSFORMER BASE (TRAFFIC)	EA	1	1	1	1	4

CABLES					
ROUTE			CABLE DESCRIPTION	# OF CABLES	680.730514
FROM	THROUGH	TO			5C, 14 AWG
CONTROLLER	C-7, C-5, C-3, PB-1, PB-2	PED P-1	5 C, 14 AWG	1	370
CONTROLLER	C-1, C-2, C-6, C-7, PB-1, PB-2, PB-3	PED P-2	5 C, 14 AWG	1	215
CONTROLLER	C-4, C-5,C-7, PB-1, PB-2	PED P-3	5 C, 14 AWG	1	355
CONTROLLER	C-6, C-7, PB-2	PED P-4	5 C, 14 AWG	1	80
TOTAL (FEET)					1,020

PULLBOXES						
PULLBOX NO.	LOCATION			ELEV. OF TOP COVER	680.510501	680.51100010
	BASELINE STATION	OFFSET	SIDE		RECTANGULAR 26X18 RC	CLEAN EXISTING PULLBOX
PB-1	-	-	-	-	1	-
PB-2	-	-	-	-	-	1
PB-3	-	-	-	-	-	1
TOTAL (EACH)					1	2

ESTIMATE OF QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
206.03020008	CONDUIT EXCAVATION AND BACKFILL AND REPLACEMENT OF CEMENT CONCRETE AND/OR ASPHALT CONCRETE PAVED AREAS	LF	150
206.03030008	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION (EXCLUDING NON-RIPPABLE AND PAVED AREAS)	LF	180
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT B)	IM	1
680.5001	POLE EXCAVATION AD CONCRETE FOUNDATION	CY	4.4
680.510501	PULLBOX - RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EA	1
680.51100010	CLEAN EXISTING PULLBOX	EA	2
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	320
680.53010010	CLEAN EXISTING CONDUIT	LF	10
680.6808	TRAFFIC SIGNAL POLE - BRACKET MOUNT, 8 FEET MOUNTING HEIGHT	EA	4
680.730514	SIGNAL CABLE, 5 CONDUCTORS, 14 AWG	LF	1,020
680.78010005	ALTER PULLBOX FOR CONDUITS	EA	2
680.81310209	ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITHOUT POLE	EA	4
680.813103	PEDESTRIAN SIGNAL SECTION - TYPE 1, 12 INCH	EA	8
680.813105	PED. SIGNAL MODULE - 12 IN. BI-MODAL HAND/MAN SYMBOLS. LED	EA	4
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	4
680.8150001	PEDESTRIAN COUNT-DOWN TIMER MODULE	EA	4
680.82201908	BREAKAWAY TRANSFORMER BASE (TRAFFIC)	EA	4
683.08020104	3G/4G LTE GATEWAY MODEM WITH ANTENNA	EA	1

TABLE OF SIGNS

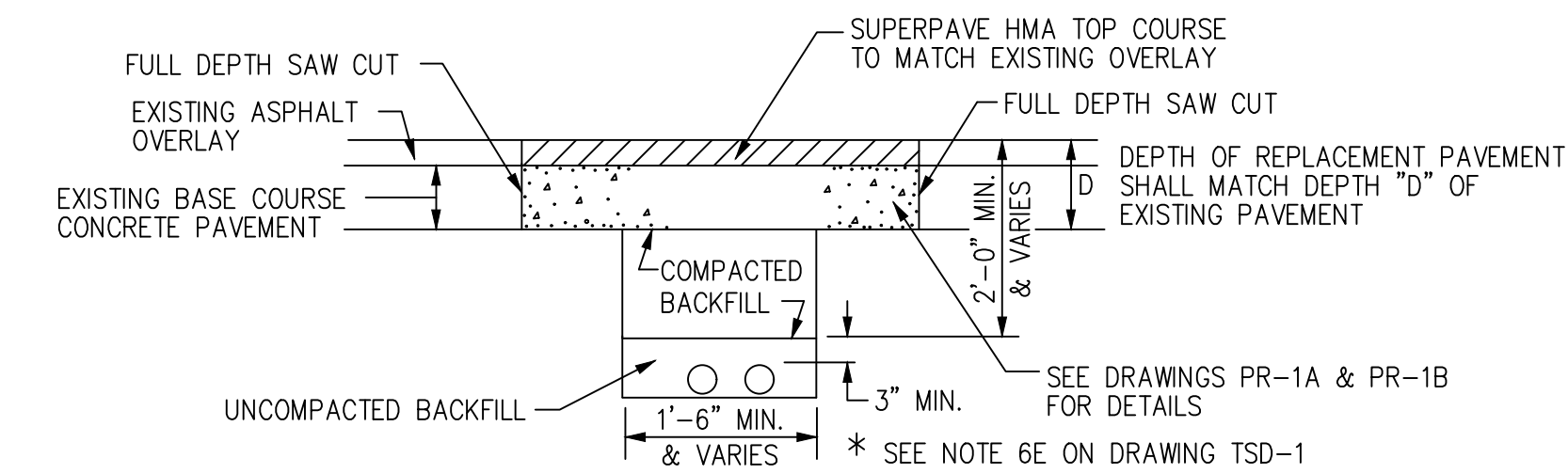
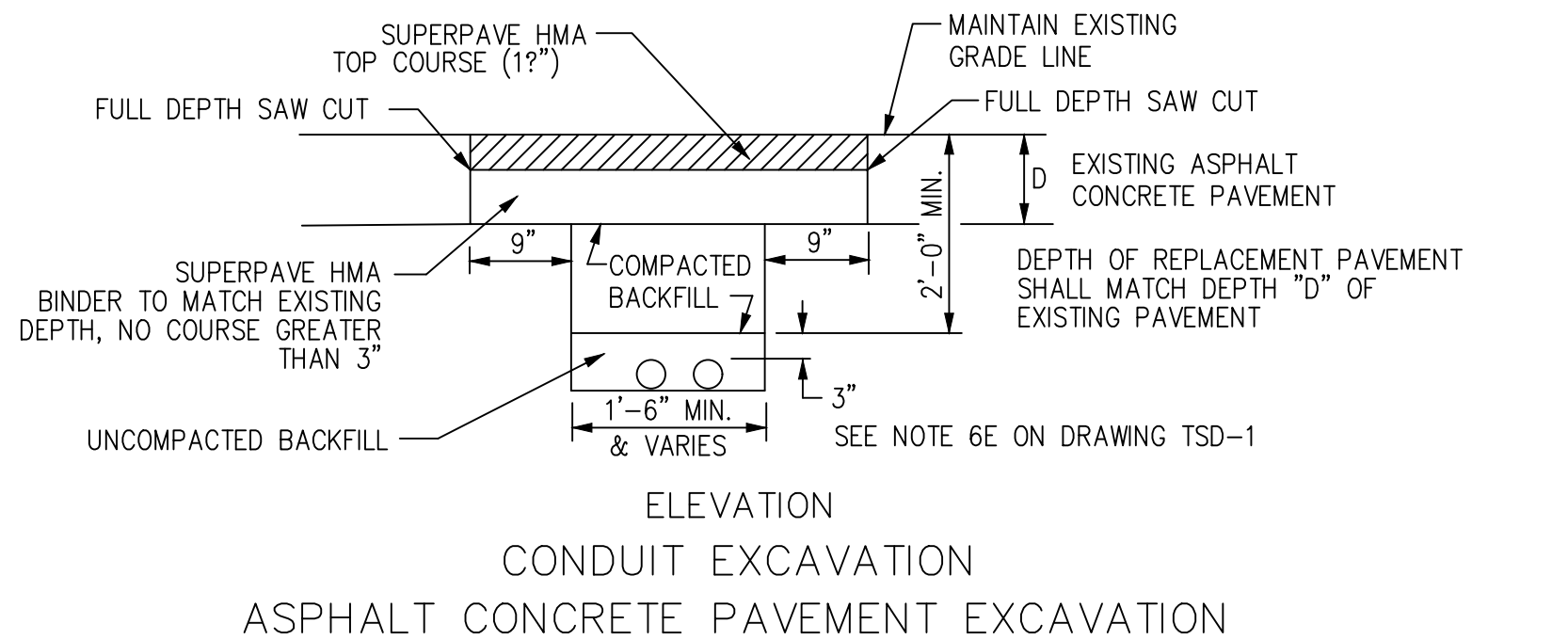
LOCATION	ITEM NO.	MUTCD NO.	TEXT
-	680.81310209	R10-3IL 9"X15"	
-	680.81310209	R10-3IR 9"X15"	

CONDUITS				
CONDUIT NO.	LOCATION		680.520106	680.5301001
	FROM	TO	2" STEEL	CLEAN EXISTING CONDUIT
C1	PB-3	P-2	25	-
C2	PB-3	PB-1	110	-
C3	P-1	PB-1	30	-
C4	P-3	PB-1	15	-
C5	PB-1	PB-2	100	-
C6	P4	PB-2	40	-
C7	CONTROLLER	PB-2	0	10
TOTAL (FEET)			320	10

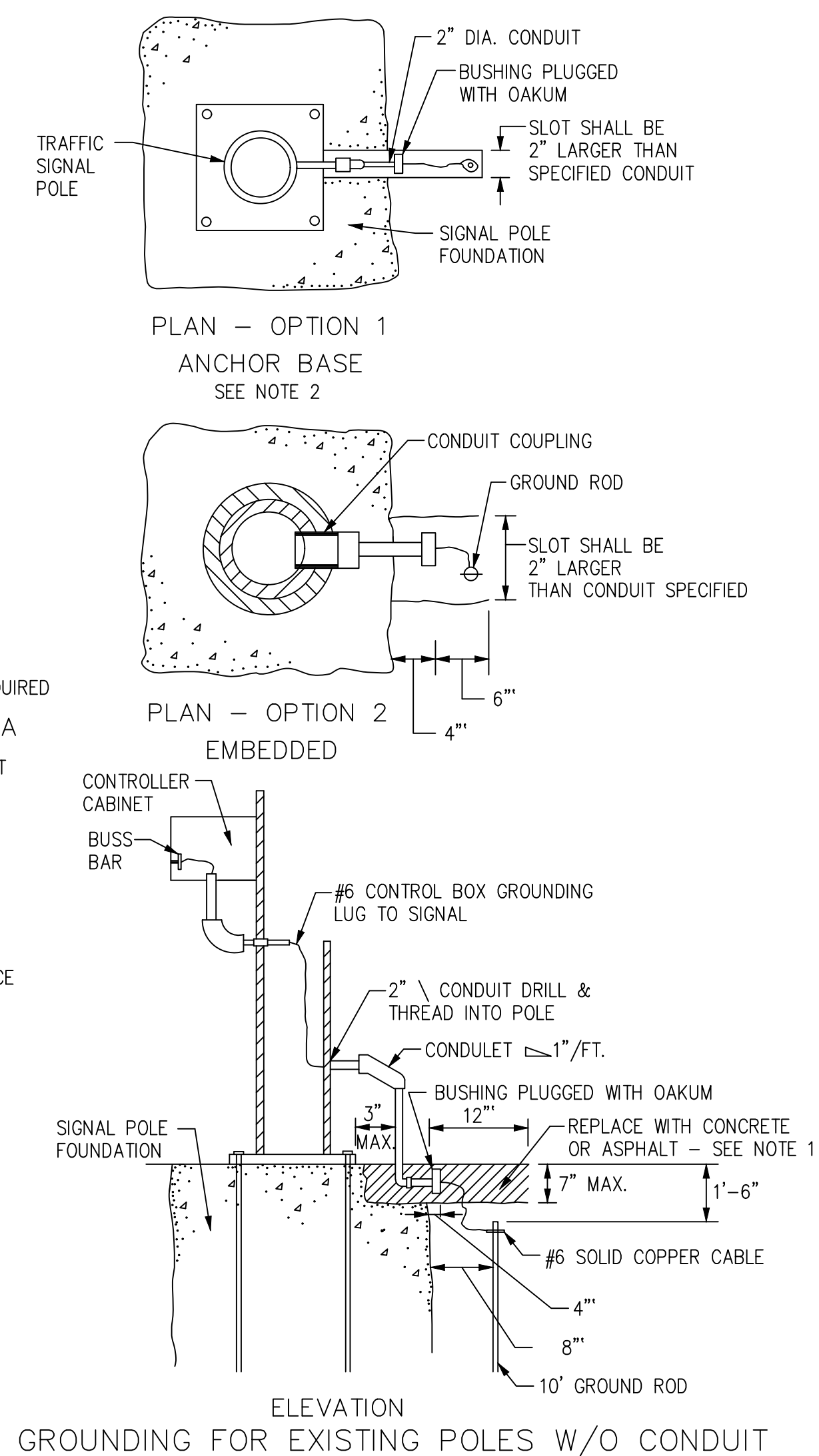
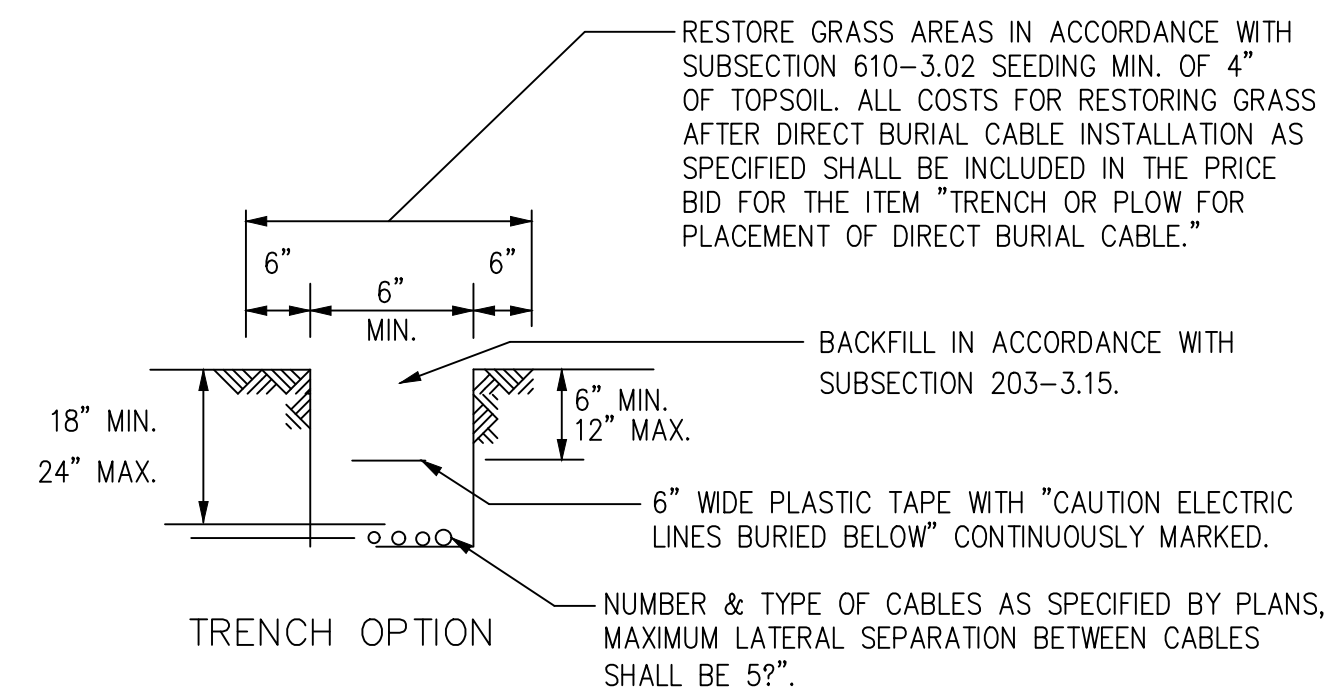
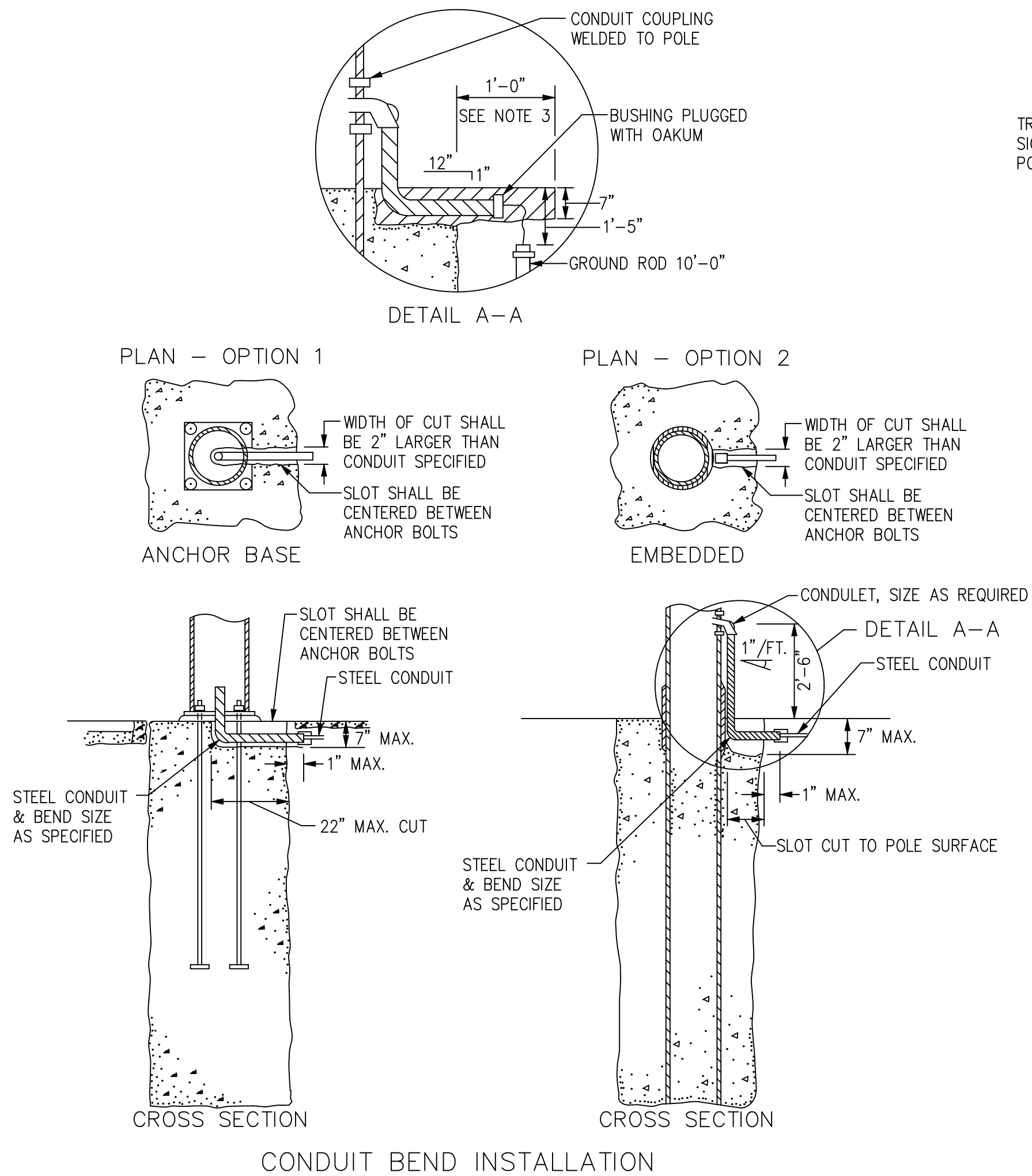
TABLE OF OPERATIONS										
PHASE	FACE									
	1	2	3	4	5	6	7	8	PED A	PED B
φ2	R	R	G	G	R	R	R	R	DW	*
φ6	G	G	R	R	R	R	R	R	DW	*
φ2 & φ6	G	G	G	G	R	R	R	R	DW	*
φ3	R	R	R	R	G	G	G	G	*	DW
φ1			R	R	R	R	R	R	*	*
φ5	R	R			R	R	R	R	*	*
φ1 & φ5					R	R	R	R	*	*
FLASHING OPERATION	FL, Y	FL, Y	FL, Y	FL, Y	FL, R	FL, R	FL, R	FL, R	DARK	DARK
*THIS INDICATION SHALL BE A "WALK" SYMBOL FOLLOWED BY A FLASHING "DON'T START" SYMBOL AND A STEADY "DON'T CROSS" SYMBOL, WHEN A PEDESTRIAN BUTTON IS ACTUATED.										



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NOTE: BACKFILL AND REPLACEMENT MATERIAL FOR REPLACEMENT OF PAVEMENT NECESSARY DUE TO THE REMOVAL OF PRESSURE PADS UNDER ITEM 206.XX000010 SHALL MEET THE REQUIREMENTS OF THE ITEMS AS INDICATED ON THE APPROPRIATE TYPICAL SECTIONS. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE PRESSURE PAD REMOVAL.



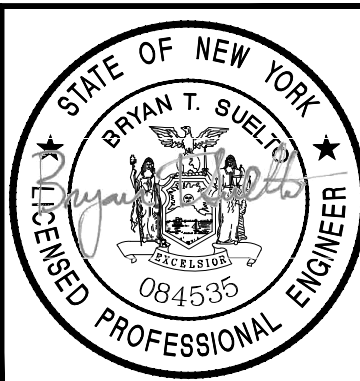
NOTES:  
1. ONLY THE TRENCH OPTION UNDER THE ITEM FOR "TRENCHING OR PLOWING FOR THE PLACEMENT OF DIRECT BURIAL CABLE" SHALL BE PERMITTED.

DESIGNED  
B.T.S.

DRAWN  
H.M.Y.

CHECKED  
W.T.C.

APPROVED  
E.B.



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NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

AECOM

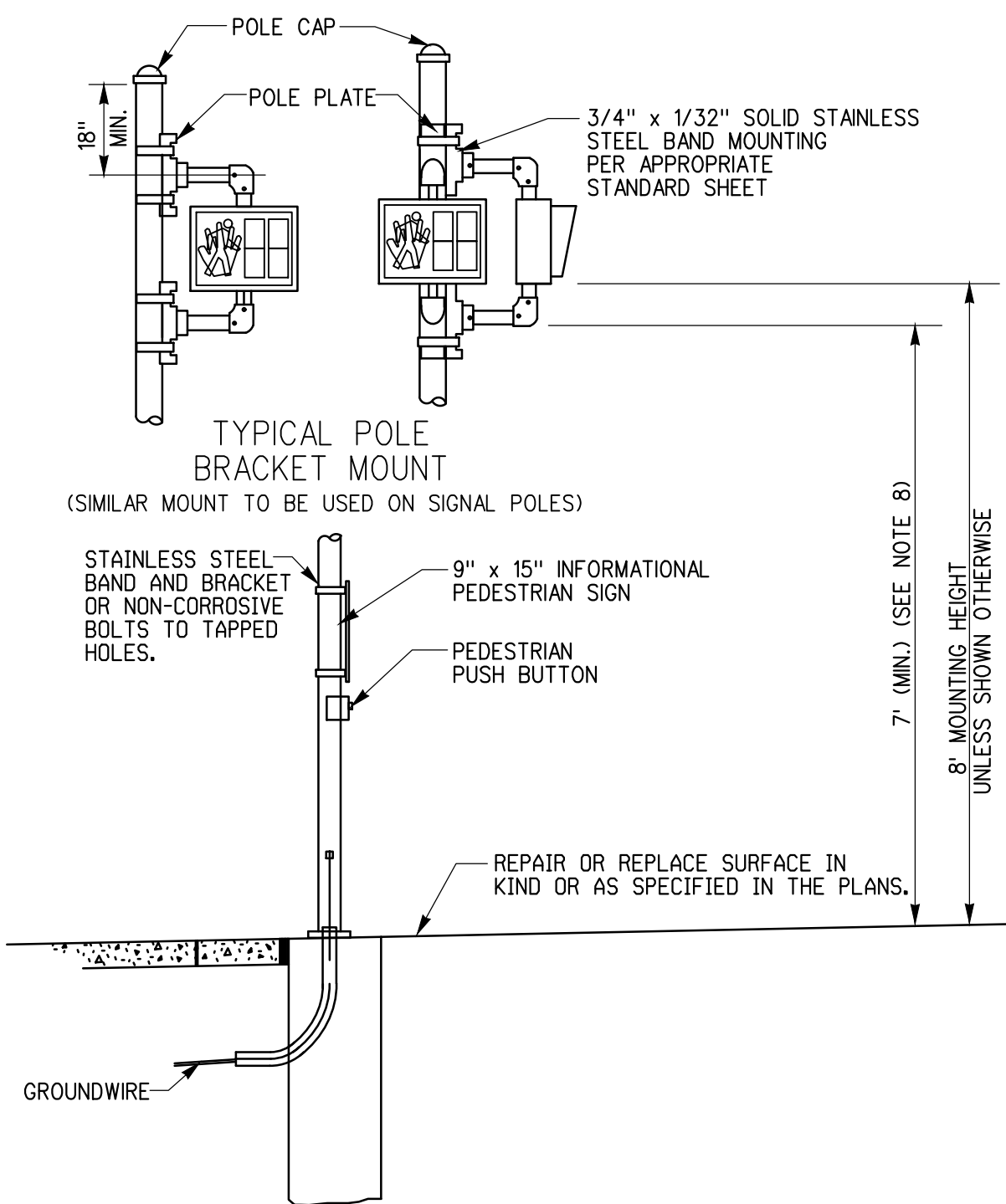
MTA Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
TRAFFIC SIGNAL DETAILS -  
NYSOT  
1 OF 3

CONTRACT NO.  
142486  
SCALE  
NTS  
DATE  
08-21-2020  
DRAWING NO.  
T-201  
SHEET 66 OF 105

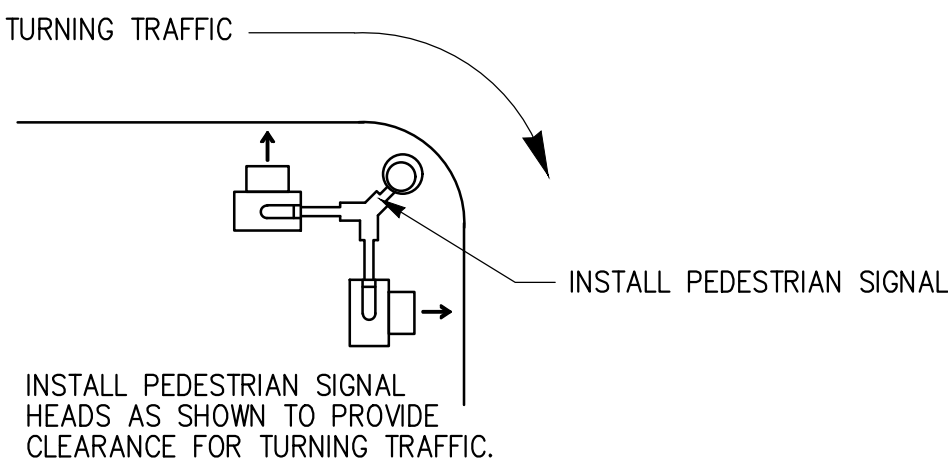


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NOTES:

1. FOR SPECIFIC FOOTING DETAILS SEE THE STANDARD SHEET FOR TRAFFIC SIGNAL POLE FOOTINGS.
2. FOR SPECIFIC GROUNDING DETAILS SEE THE STANDARD SHEET FOR PULLBOX, CONDUIT AND GROUND ROD INSTALLATION DETAILS.
3. FOR SPECIFIC POLE DETAILS SEE THE STANDARD SHEETS FOR STANDARD TRAFFIC SIGNAL POLES.
4. APPROVED BREAKAWAY TRANSFORMER BASES SHALL BE INSTALLED WITH PEDESTRIAN SIGNAL POLES WHEN SPECIFIED IN THE CONTRACT DOCUMENTS.
5. THE FOUNDATION FOR THE PEDESTRIAN SIGNAL SHALL BE 18" WIDE, UNREINFORCED, IF A TRANSFORMER BASE IS NOT USED.
6. WHEN A TRANSFORMER BASE IS REQUIRED, THE FOUNDATION WIDTH SHALL BE 30" WIDE AND REINFORCED AS PER FOUNDATION CODE J-1 ON STANDARD SHEET FOR TRAFFIC SIGNAL POLE FOUNDATIONS.
7. PUSH BUTTON MUST BE MOUNTED BETWEEN 36" AND 44" ABOVE AN ACCESSIBLE SURFACE, AND SHALL FACE AN ACCESSIBLE APPROACH. PUSH BUTTON SHALL BE MOUNTED ON A POST OR SIGNAL POLE ON AN ACCESSIBLE SURFACE OR WITHIN 10" OF AN ADJACENT ACCESSIBLE SURFACE.
8. VERTICAL CLEARANCE MUST BE 7' ABOVE ADJACENT WALKING SURFACES
9. THE COUNTDOWN TIMERS SHALL ONLY COUNT DOWN DURING THE FLASHING "DON'T WALK" CLEARANCE INTERVAL.



DESIGNED B.T.S.
DRAWN H.M.Y.
CHECKED W.T.C.
APPROVED E.B.

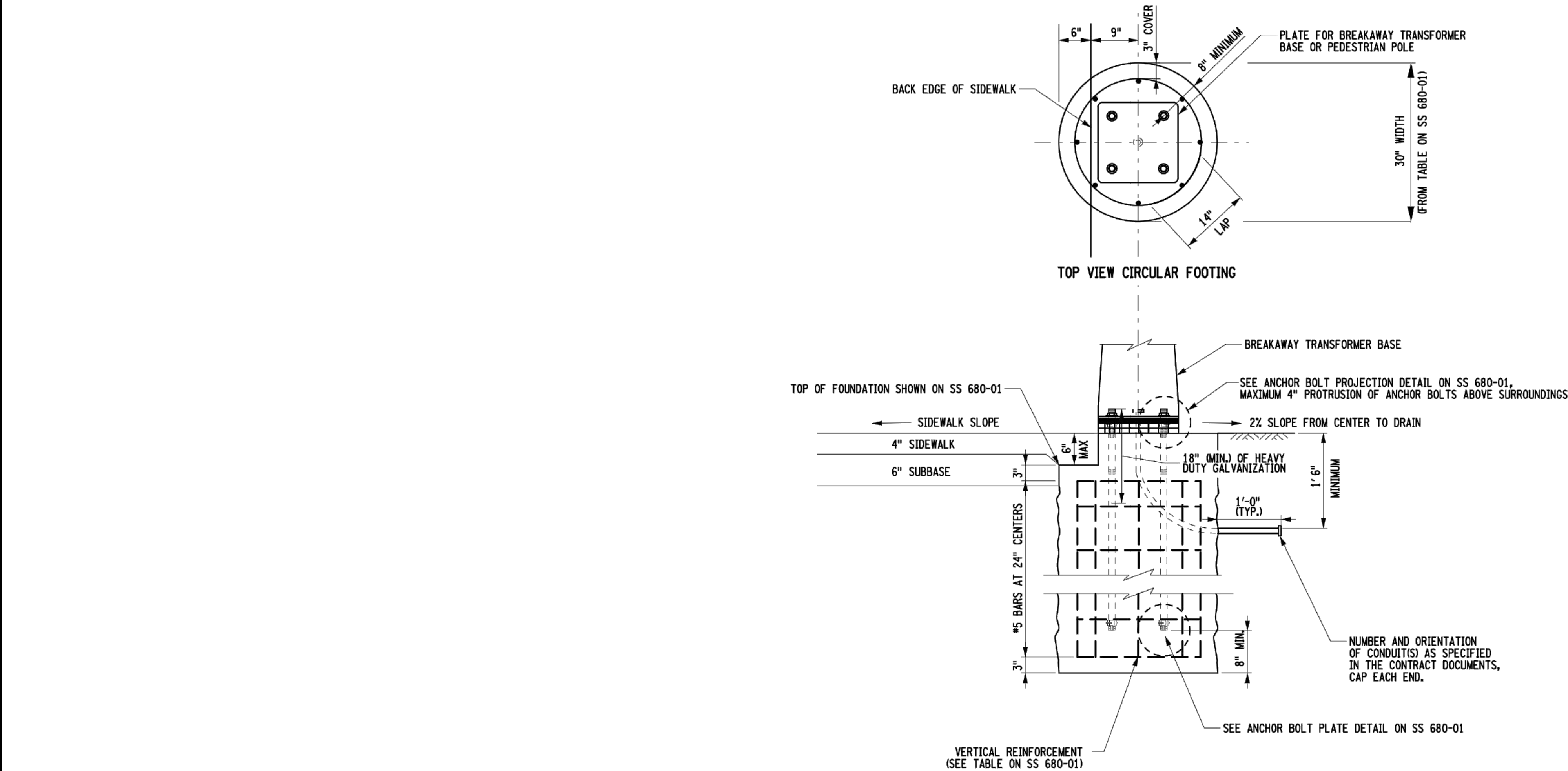
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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT		CONTRACT NO. 142486	
SCALE NTS	DATE 12-04-2020	DRAWING NO. T-202	
TRAFFIC SIGNAL DETAILS - NYSDOT 2 OF 3		SHEET 67 OF 105	

10/19/2020 1:51:39 PM  
Yeung



ELEVATION VIEW  
MODIFIED FOUNDATION DETAIL FOR PEDESTRIAN POLES

NOTES:

1. DETAIL SHOWS MODIFICATION OF J1 FOUNDATIONS FOR PEDESTRIAN POLES AND J2 FOUNDATIONS FOR RRFB ASSEMBLIES.
2. FOUNDATION DEPTH SHALL BE 6 INCHES GREATER THAN THAT SHOWN ON SS 680-01. THIS ADDITIONAL 6 INCHES WILL BE UNREINFORCED CONCRETE ADDED AT THE TOP OF THE STANDARD FOUNDATION, AND SHALL BE FORMED AND POURED INTEGRALLY AS PART OF THE FOUNDATION.
3. ANCHOR BOLTS SHALL BE 6 INCHES LONGER THAN SHOWN ON SS 680-01 SO THAT THE EMBEDMENT INTO THE REINFORCED SECTION OF THE FOUNDATION IS THE MINIMUM SHOWN IN THE STANDARD SHEETS.
4. DETAIL SHOWS FOUNDATION MODIFIED TO BE INSTALLED PARTIALLY UNDER SIDEWALK ON ONE SIDE ONLY. IF SHOWN IN PLANS, FOUNDATION MAY BE SIMILARLY MODIFIED ON MULTIPLE SIDES OF THE BREAKAWAY TRANSFORMER BASE OR PEDESTRIAN POLE BASE PLATE.

DESIGNED  
B.T.S.

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H.M.Y.

CHECKED  
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E.B.

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TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

TRAFFIC SIGNAL DETAILS -  
NYSDOT  
3 OF 3

CONTRACT NO.  
142486

SCALE  
NTS

DATE  
12-04-2020


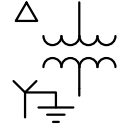




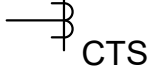

DRAWING NO.  
T-203

SHEET 68 OF 105



12/4/2020 9:42:58 AM  
LeeL2

SYMBOL LIST:




	EXISTING UNDERGROUND ELECTRICAL DUCTBANK
	TRANSFORMER WITH DELTA PRIMARY AND GROUNDED WYE SECONDARY
	LOW VOLTAGE CIRCUIT BREAKER 800AF - INDICATES CIRCUIT BREAKER FRAME RATING 600AT - INDICATES CIRCUIT BREAKER TRIP SETTING
	JUNCTION BOX
	PHOTOCELL
	UTILITY METER
	CURRENT TRANSFORMERS
	DUPLEX RECEPTACLE, 20A, 125V, 3W GROUNDING TYPE GFI = GROUND FAULT INTERRUPTER

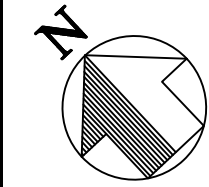
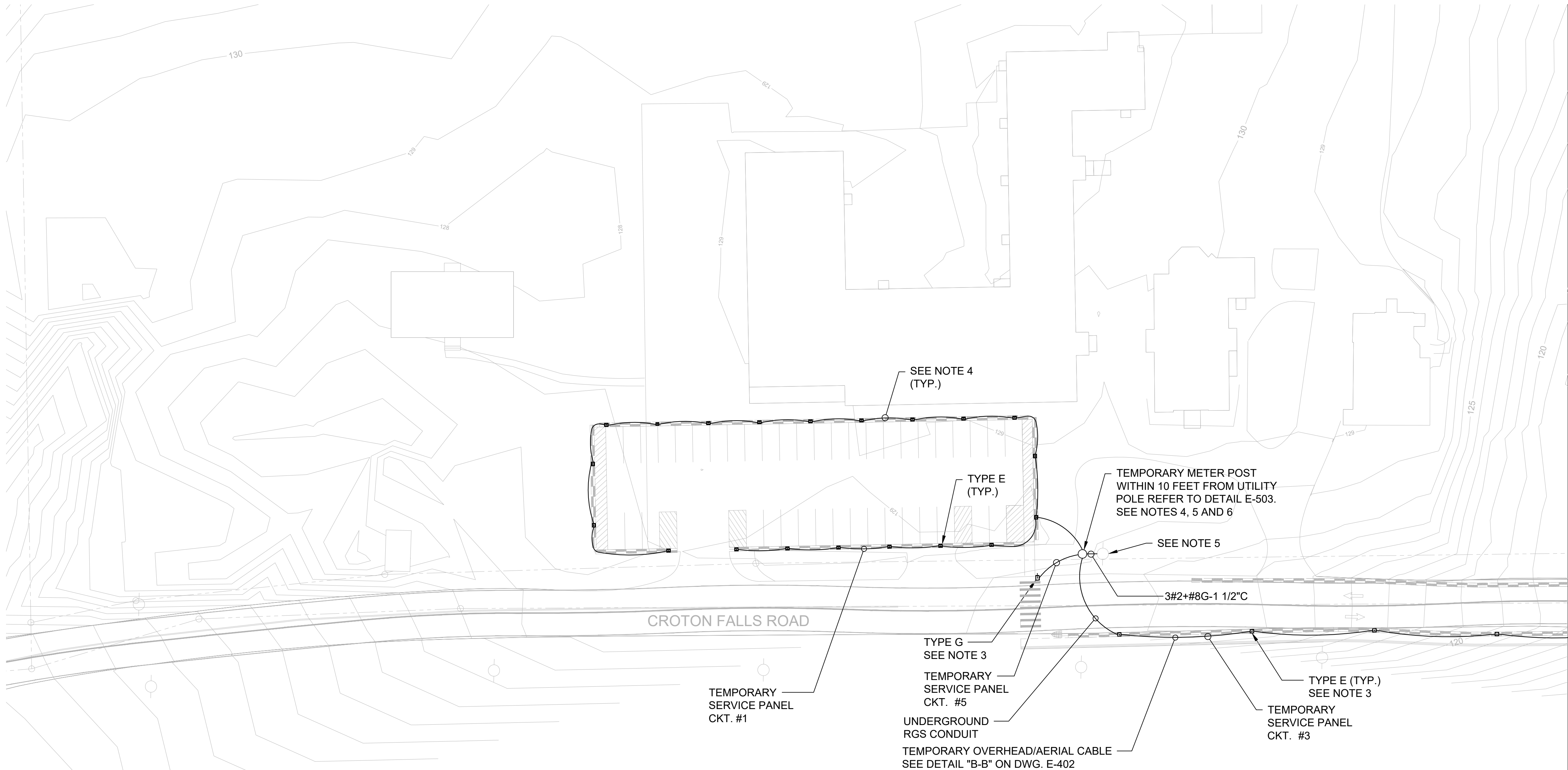
ABBREVIATIONS:

A	AMPERES	MH	MOUNTING HEIGHT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MIN	MINIMUM
AF	AMPERE FRAME OR FUSE	N	NEUTRAL
AS	AMPERE SWITCH	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
AT	AMPERE TRIP	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AWG	AMERICAN WIRE GAUGE	NYS	NEW YORK STATE
C	CONDUIT, CONDUCTOR	NYSDOT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
CAT	CATALOG	NYSEG	NEW YORK STATE ELECTRIC & GAS
CKT	CIRCUIT	No.	NUMBER
CONC	CONCRETE	NTS	NOT TO SCALE
CT	CURRENT TRANSFORMER	P	POLE
Cu	COPPER	Ø,PH	PHASE
DIA	DIAMETER	PEC	PHOTO ELECTRIC CELL
DIST	DISTRIBUTION	PNL	PANELBOARD
DWG(S)	DRAWING(S)	PRI	PRIMARY
ELEC	ELECTRICAL	PVC	POLIVINYL CHLORIDE
G	GROUND	PP	POWER PANEL
GF	GROUND FAULT	RGS	RIGID GALVANIZED STEEL
HZ	HERTZ	SCH	SCHEDULE
IN	INCH	SEC	SECONDARY
kAIC	THOUSAND AMPS INTERRUPTING CAPACITY	SYMM	SYMMETRICAL
kCMIL	THOUSAND CIRCULAR MILS	T	TRANSFORMER
kVA	KILOVOLTAMP	TYP	TYPICAL
kW	KILOWATT	UL	UNDERWRITER'S LABORATORY
LED	LIGHT EMITTING DIODE	UON	UNLESS OTHERWISE NOTED
LP	LIGHTING POLE	V	VOLT
LV	LOW VOLTAGE	VAC	VOLTS ALTERNATING CURRENT
MAX	MAXIMUM	W	WATTS, WIRE
MCB	MAIN CIRCUIT BREAKER	WP	WEATHERPROOF

GENERAL NOTES:

- REFER TO DWG. G-102 GENERAL NOTES AND LEGEND.
- CABLES RATED 600VAC SHALL BE TYPE XHHW-2 FOR EXTERIOR LOCATIONS UNLESS OTHERWISE NOTED. UTILITY 208/120V SERVICE CONDUCTORS SHALL BE TYPE USE-2/RHW-2.
- ELBOWS AND STUB-UPS THROUGH CONCRETE FOUNDATIONS AND SLABS SHALL BE RIGID GALVANIZED STEEL, UNLESS OTHERWISE NOTED.
- FURNISH AND INSTALL GROUND WIRE IN ALL CONDUIT RUNS FOR 120V CIRCUIT OR HIGHER, SIZED PER NATIONAL ELECTRIC CODE BUT NOT LESS THAN #12 AWG.
- UNDERGROUND ELECTRICAL CONDUITS ROUTING ON PLANS ARE SHOWN FOR CLARITY ONLY. EXACT ROUTING AND TERMINATION LOCATION SHALL BE COORDINATED IN THE FIELD WITH THE EXISTING UNDERGROUND UTILITIES AND ADJACENT INFRASTRUCTURES.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, NATIONAL ELECTRICAL SAFETY CODE, NFPA, NYS UNIFORM FIRE PREVENTION AND BUILDING CODE, OSHA REGULATIONS, AND ALL OTHERS EXISTING CODES AND REGULATIONS OF AUTHORITIES WHICH WOULD HAVE JURISDICTION.
- GENERAL NOTES APPLY TO ALL ELECTRICAL AND LIGHTING DRAWINGS UNDER THIS CONTRACT. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES.
- THE CONTRACT DRAWINGS ARE DIAGRAMMATIC IN NATURE AND NOT EVERY DETAIL OR CONDUIT IS SHOWN. ANY DEPARTURE FROM CONCEPT SHOWN IN THE CONTRACT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- CONDUITS SHALL CONTAIN AN INSULATED GROUND WIRE BONDED TO ENCLOSURES AND SIZED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC, IF SIZE IS NOT SHOWN ON THE CONTRACT DRAWINGS.
- UNLESS OTHERWISE NOTED, EQUIPMENT AND MATERIAL TO BE FURNISHED AND INSTALLED SHALL BE NEW AND SHALL BEAR UL LISTING AND LABELING WHERE SUCH STANDARD HAS BEEN ESTABLISHED FOR THAT TYPE OF EQUIPMENT/MATERIAL.
- FURNISH AND INSTALL TAGS FOR EQUIPMENT, CONDUITS AND CABLES THAT ARE INSTALLED UNDER THIS CONTRACT. TAG IDENTIFICATIONS SHALL BE IN ACCORDANCE WITH CONTRACT DRAWINGS.
- FURNISH AND INSTALL CONDUIT FITTINGS, CONDUITS, CONNECTORS, CLAMPS, HARDWARE AND SUPPORTS AS NECESSARY FOR A COMPLETE INSTALLATION.
- FURNISH AND INSTALL NYLON PULL CORD NOT LESS THAN 200 POUND TENSILE STRENGTH IN EACH INSTALLED EMPTY CONDUIT RUN OVER 10 FEET LONG.
- ALL CROTON FALLS RD/ROUTE 202 INTERSECTION WORK SHALL CONFORM TO NYSDOT SPECIFICATIONS.

DESIGNED G.P.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<div>CONFORMED</div>						TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES	CONTRACT NO. 142486	
DRAWN L.L.			SCALE N.T.S.		DATE 12-04-2020						
CHECKED E.G.			REVISIONS								
APPROVED S.K.											



MATCH LINE, SEE DWG. E-102

NOTES:

1. FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.

2. REFER TO LIGHTING SCHEDULE ON DWG. E-403.

3. REFER TO TEMPORARY LIGHTING DETAILS ON DWG. E-402.

4. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY SERVICE ENTRANCE RATED NEMA 3R PANELBOARD ON UTILITY METER POST AND ROUTE CONDUIT AND CABLE TO FEED ALL TEMPORARY LIGHTING FIXTURES FROM THE TEMPORARY PANELBOARD. REFER TO DRAWING E-601 FOR TEMPORARY PANEL SCHEDULE AND DRAWING E-503 FOR DETAIL. CONNECT #1/0 BARE COPPER CABLE TO PANELBOARD NEUTRAL BUS AND EXOTHERMICALLY WELD TO GROUND ROD.
5. FURNISH AND INSTALL TEMPORARY UTILITY METER SOCKET FOR NYSEG FURNISHED METER ON METER POST WITH RISER CONDUIT UP UTILITY POLE AND WEATHERHEAD FOR CONNECTION OF TEMPORARY 240/120V, SINGLE PHASE, 3 WIRE, 100A POWER SERVICE BY UTILITY NYSEG. INSTALLATION SHALL BE IN ACCORDANCE WITH NYSEG STANDARD DETAILS. REFER TO DETAILS ON DWG. E-503. TEMPORARY NYSEG POWER SERVICE INSTALLATION SHALL BE BY MNR FORCE ACCOUNT.

6. FURNISH AND INSTALL TWO SETS OF 3/4"x10" GROUND ROD (SEE DRAWING E-503 FOR DETAIL). INSTALLATION SHALL BE BY MNR FORCE ACCOUNT.



DESIGNED  
G.P.

DRAWN  
L.L.

CHECKED  
E.G.

APPROVED  
S.K.

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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

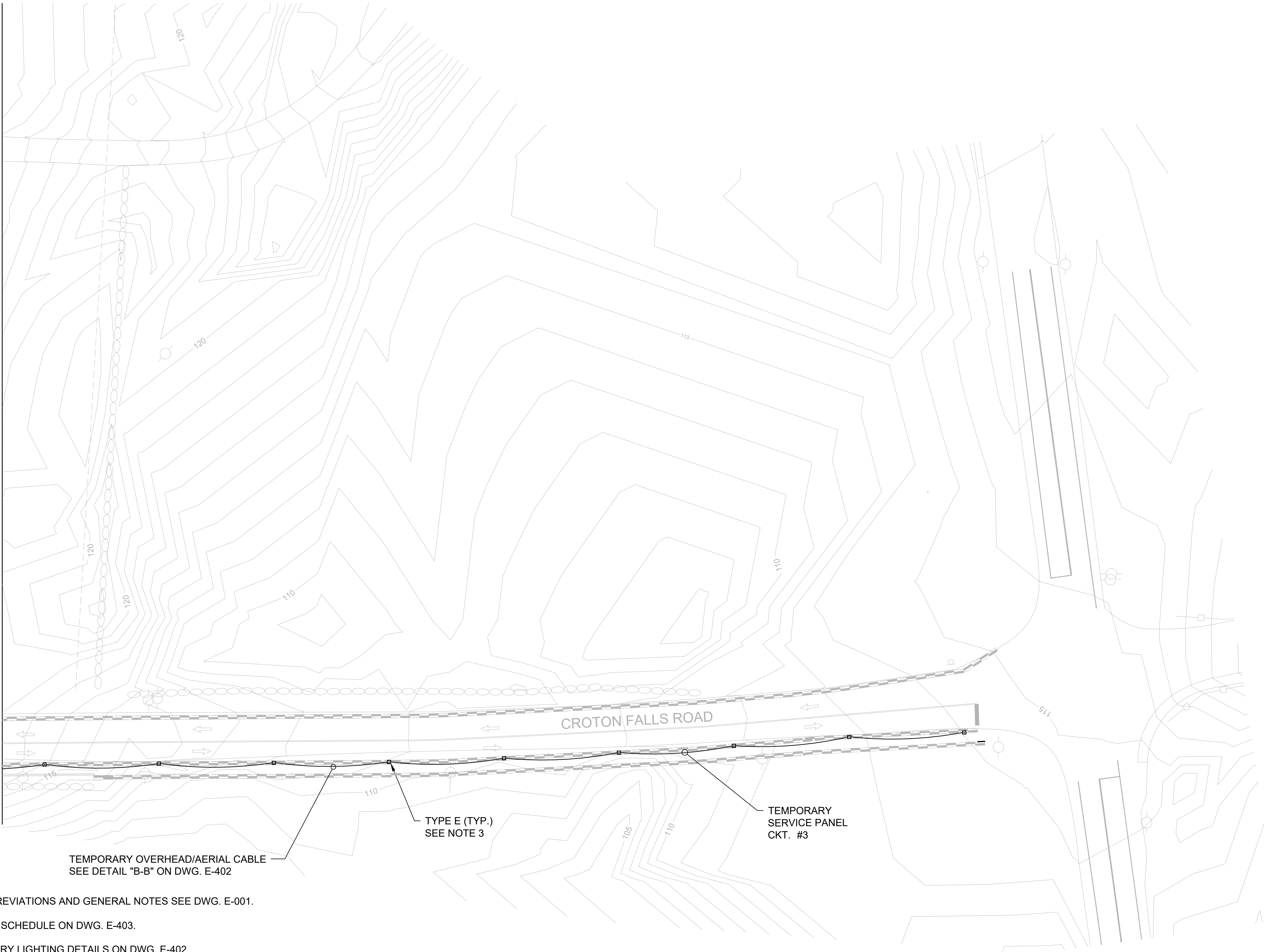


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
TEMPORARY POWER  
& LIGHTING PLAN  
1 OF 2

CONTRACT NO. 142486	
SCALE 1"=30'	DATE 12-04-2020
DRAWING NO. E-101	
SHEET 70 OF 105	



MATCH LINE, SEE DWG. E-101



NOTES:

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- REFER TO LIGHTING SCHEDULE ON DWG. E-403.
- REFER TO TEMPORARY LIGHTING DETAILS ON DWG. E-402.
- CONTRACTOR TO FURNISH AND INSTALL NEW CONDUIT AND CABLE AND FEED ALL TEMPORARY LIGHTING FIXTURES TO THE TEMPORARY PANELBOARD.

TEMPORARY OVERHEAD/AERIAL CABLE  
SEE DETAIL "B-B" ON DWG. E-402

TYPE E (TYP.)  
SEE NOTE 3

TEMPORARY  
SERVICE PANEL  
CKT. #3



DESIGNED  
G.P.

DRAWN  
L.L.

CHECKED  
S.K.

APPROVED  
S.K.



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CONFORMED				
NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

AECOM

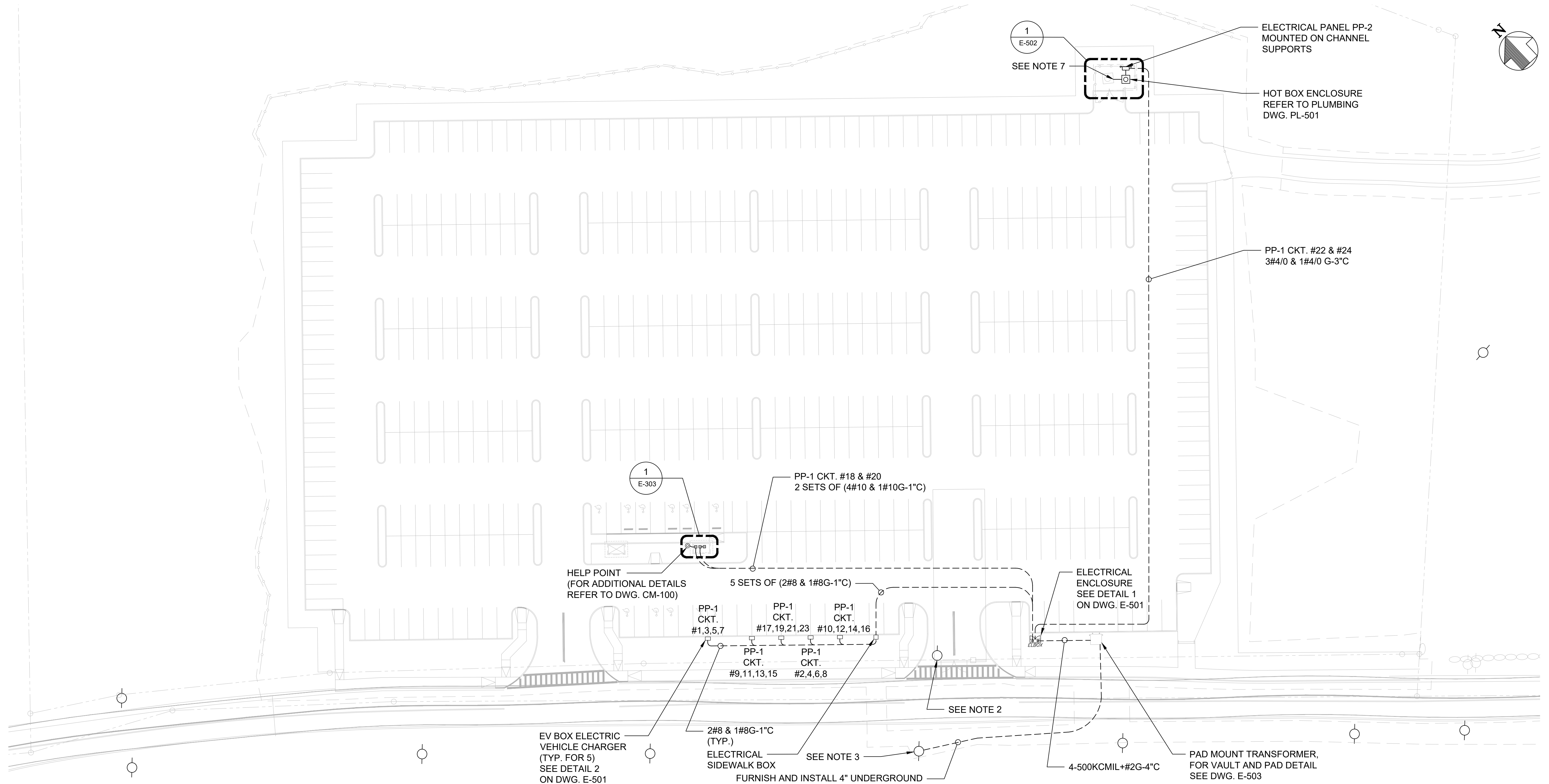


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
TEMPORARY POWER  
& LIGHTING PLAN  
2 OF 2

CONTRACT NO. 142486	
SCALE 1"=30'	DATE 08-21-2020
DRAWING NO. E-102	
SHEET 71 OF 105	



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**NOTES:**

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- CONTRACTOR TO REMOVE EXISTING UTILITY POLE UPON SWITCH OVER TO THE PERMANENT POWER SERVICE. SEE DRAWING E-101 FOR MORE DETAILS.
- RISER UP EXISTING UTILITY POLE, PRIMARY CABLE CONNECTIONS AT UTILITY POLE, AND PRIMARY AND SECONDARY CONNECTIONS AT TRANSFORMER SHALL BE BY UTILITY NYSEG.
- CONCRETE ENCASED CONDUIT SHALL BE INSTALLED UNDER ROAD IN 36" DEEP TRENCH IN STAGES TO COORDINATE WITH ROAD CLOSURE AND CIVIL ROAD WORK.
- FOR ELECTRICAL SINGLE LINE DIAGRAM SEE DRAWING E-601.
- FURNISH AND INSTALL 208V-230V SINGLE PHASE BOOST TRANSFORMER RATED 41.67A. 9.54KVA IN NEMA 4X ENCLOSURE ON PUMP CONTROL PANEL FURNISHED BY OTHER TRADE.
- CONTRACTOR TO PROVIDE NEW UNDERGROUND CONDUIT FROM THE PUMP CONTROLLER TO FEED THE WELL PUMP POWER. CABLE FROM THE CONTROLLER TO THE PUMP TO BE PROVIDED BY THE PLUMBING VENDOR. THE PUMP CONTROLLER IS FED FROM PANEL PP-2.
- FURNISH AND INSTALL THREE (3) OKOGUARD URO-J OR EQUAL JACKETED UNDERGROUND PRIMARY 15KV RATED CABLE, #2 ALUMINUM WITH 175MILS 100% INSULATION AND FULL CONCENTRIC NEUTRAL IN 4" CONDUIT IN 36" DEEP TRENCH. STUB UP CONDUIT AT UTILITY POLE FOR EXTENSION BY NYSEG. CABLE LENGTH SHALL BE SUFFICIENT TO REACH TOP OF UTILITY POLE WITH EXTRA 15 FEET AT TRANSFORMER VAULT PAD PER PHASE.

0 30 60  
SCALE IN FEET

DESIGNED  
G.P.  
DRAWN  
L.L.  
CHECKED  
E.G.  
APPROVED  
S.K.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

**AECOM**



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

**ELECTRICAL  
POWER PLAN**

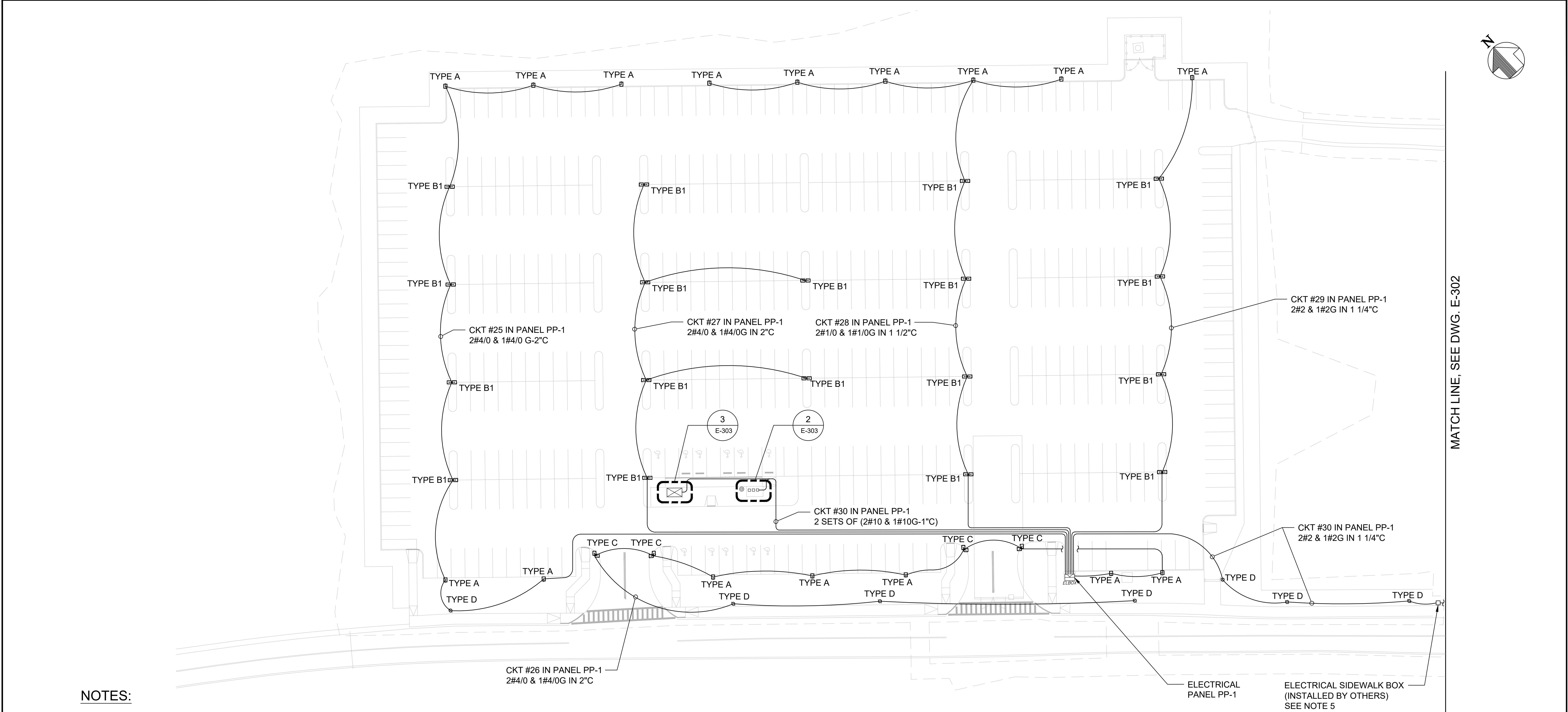
CONTRACT NO.  
142486

SCALE  
1"=30'  
DATE  
03-03-2021

DRAWING NO.  
**E-201**  
SHEET 72 OF 105



3/2/2021 6:35:59 PM  
LeeL2



NOTES:

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- REFER TO LIGHTING DETAILS ON DWGS. E-401 AND E-402.
- REFER TO LIGHTING FIXTURE SCHEDULE ON DWG. E-403.
- THE CONTRACTOR TO FURNISH AND INSTALL CONDUITS AND CABLES FOR NEW LED LIGHTING FIXTURE LOCATED IN THE PAY STATION SHELTER AND BUS STATION SHELTER. BOTH TO BE FED FROM ELECTRICAL PANEL PP-1. REFER TO THE PANEL SCHEDULE ON E-601 FOR ADDITIONAL DETAILS.
- CONTRACTOR TO EXTEND THE SIDEWALK LIGHTING CONDUIT AND CABLES TO THE JUNCTION BOX (INSTALLED BY OTHERS) AND ELECTRIFY THE REST OF THE SIDEWALK LED LIGHTING FIXTURES LEADING UP TO THE INTERSECTION. ALL SIDEWALK LIGHTING FIXTURES SHALL BE FED FROM PANEL PP-1.

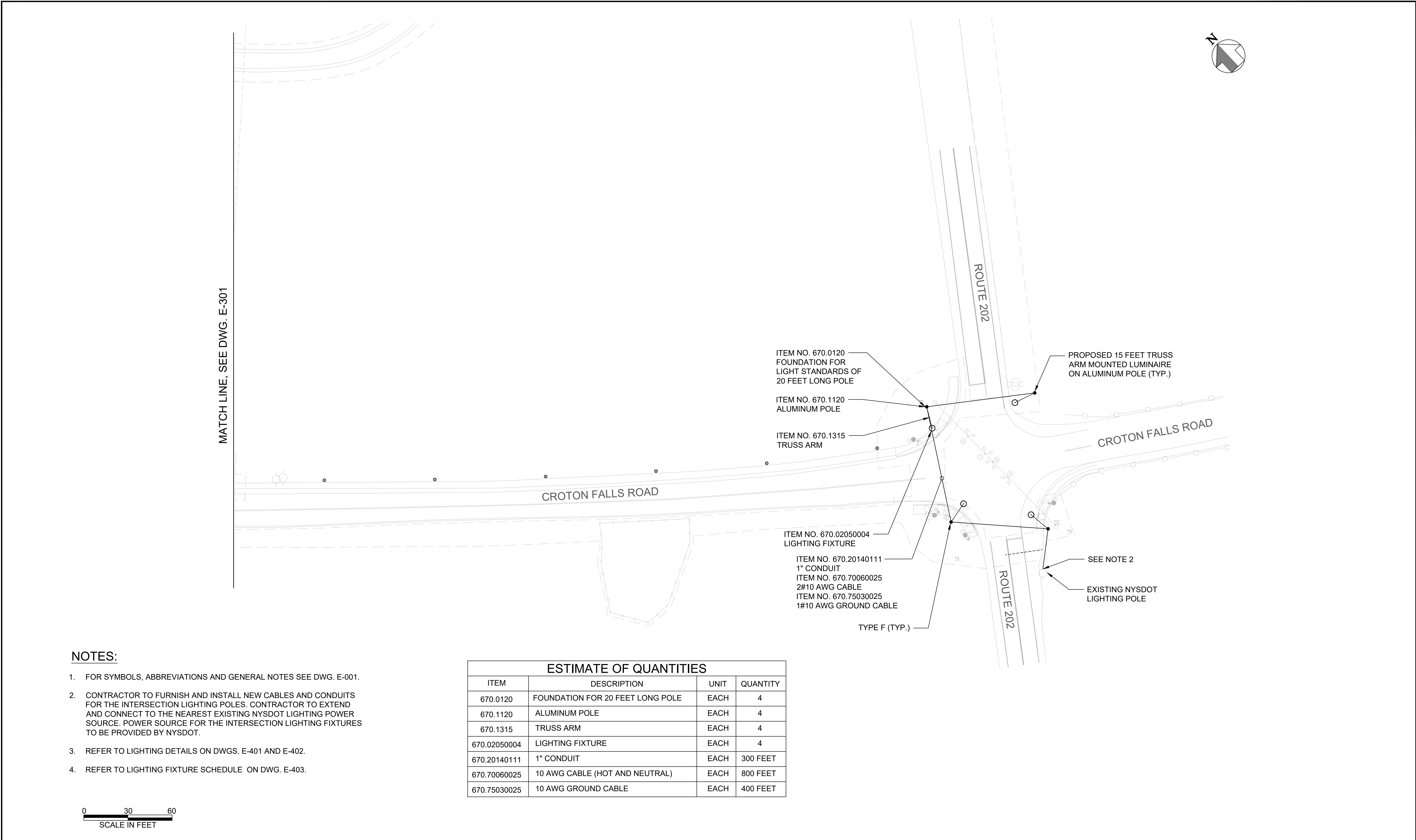


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DRAWN L.L.					SCALE 1"=30'	DATE 03-03-2021					
CHECKED E.G.					DRAWING NO. E-301						
APPROVED S.K.					SHEET 73 OF 105						

NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

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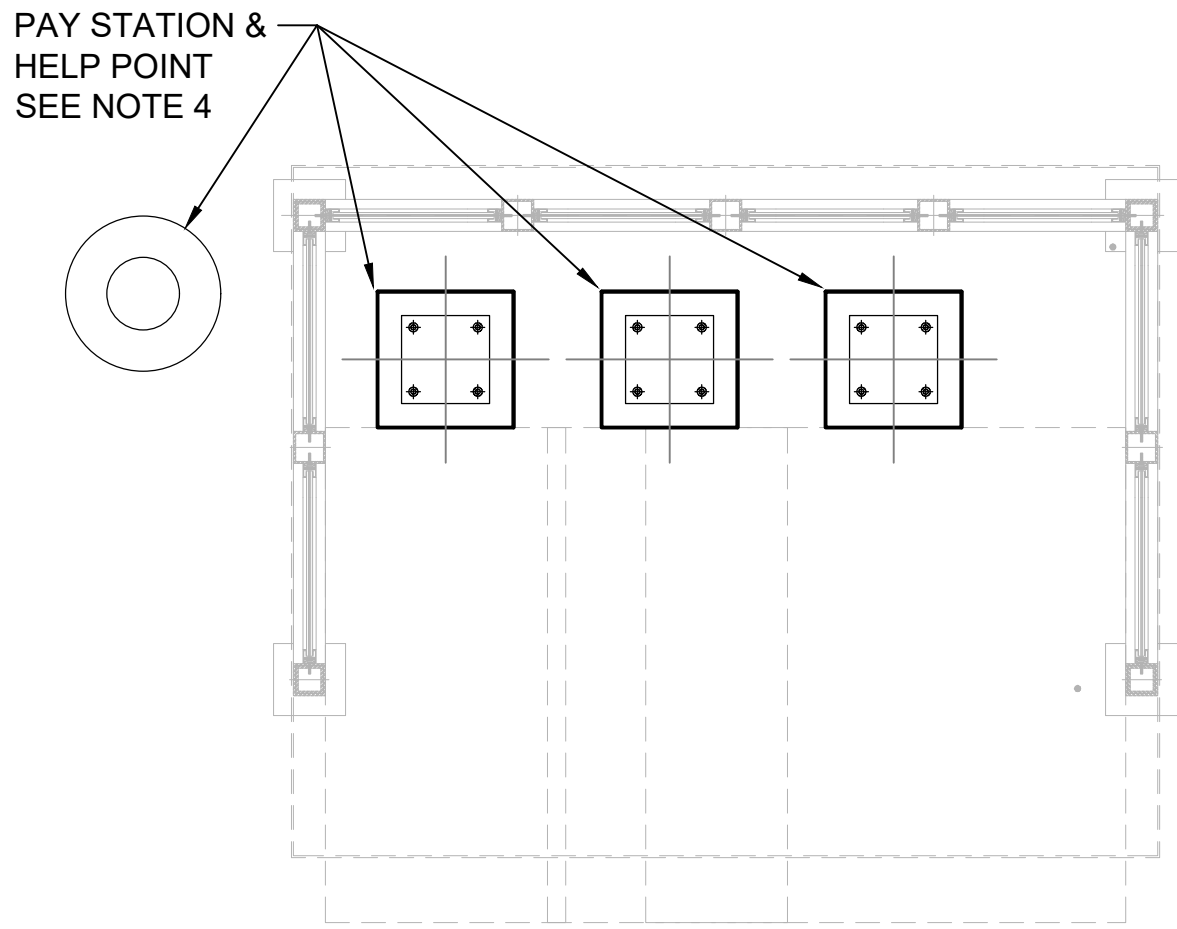
NOTES:

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- CONTRACTOR TO FURNISH AND INSTALL NEW CABLES AND CONDUITS FOR THE INTERSECTION LIGHTING POLES. CONTRACTOR TO EXTEND AND CONNECT TO THE NEAREST EXISTING NYSDOT LIGHTING POWER SOURCE. POWER SOURCE FOR THE INTERSECTION LIGHTING FIXTURES TO BE PROVIDED BY NYSDOT.
- REFER TO LIGHTING DETAILS ON DWGS. E-401 AND E-402.
- REFER TO LIGHTING FIXTURE SCHEDULE ON DWG. E-403.

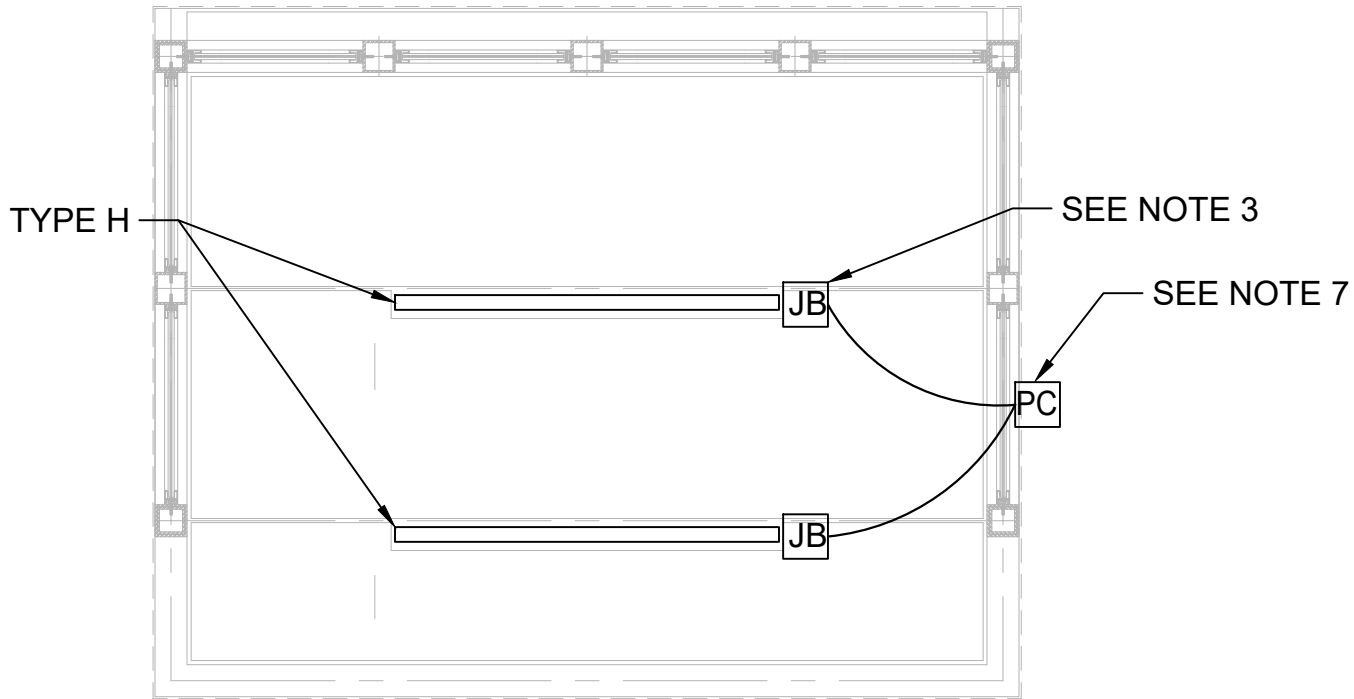
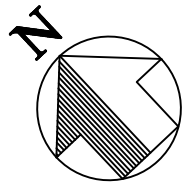
ESTIMATE OF QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
670.0120	FOUNDATION FOR 20 FEET LONG POLE	EACH	4
670.1120	ALUMINUM POLE	EACH	4
670.1315	TRUSS ARM	EACH	4
670.02050004	LIGHTING FIXTURE	EACH	4
670.20140111	1" CONDUIT	EACH	300 FEET
670.70060025	10 AWG CABLE (HOT AND NEUTRAL)	EACH	800 FEET
670.75030025	10 AWG GROUND CABLE	EACH	400 FEET

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DRAWN L.L.										SCALE 1"=30'	DATE 08-21-2020
CHECKED S.K.										DRAWING NO. E-302	
APPROVED S.K.										SHEET 74 OF 105	

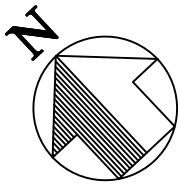




1  
E-303  
PARKING PAY STATION POWER PLAN  
SCALE: 1/2" = 1'-0"

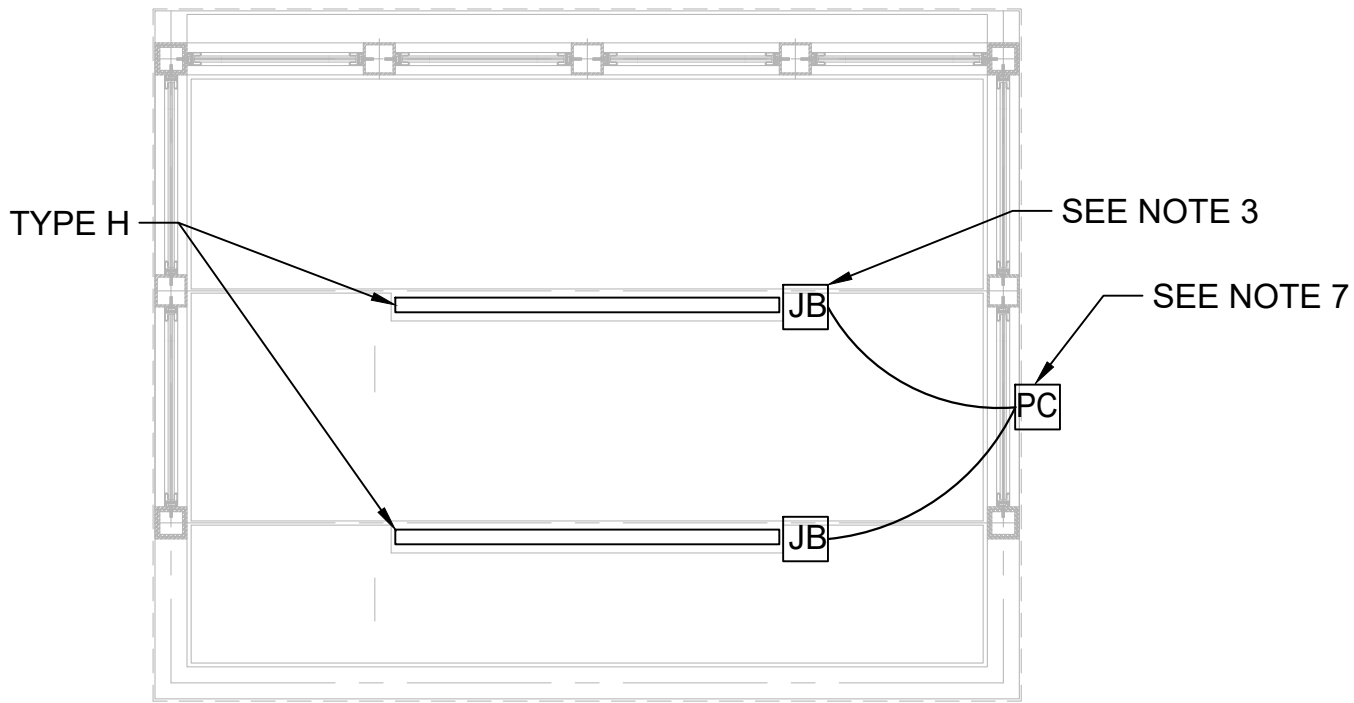


2  
E-303  
PARKING PAY STATION LIGHTING PLAN  
SCALE: 1/2" = 1'-0"

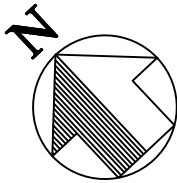


NOTES:

1. FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
2. REFER TO LIGHTING FIXTURE SCHEDULE ON DWG. E-403.
3. CONTRACTOR TO FURNISH AND INSTALL 2 SETS OF (2#10 + 1#10G IN 1" RGS CONDUIT) FOR THE NEW LED LIGHTING FIXTURE LOCATED IN THE PAY STATION SHELTER AND BUS STATION SHELTER. BOTH TO BE FED FROM ELECTRICAL PANEL PP-1 TO THEIR RESPECTIVE JUNCTION BOXES LOCATED IN THE CEILING OF THE PAY STATION AND BUS STATION SHELTERS. REFER TO THE PANEL SCHEDULE ON E-601 FOR ADDITIONAL DETAILS.
4. CONTRACTOR TO FURNISH AND INSTALL 2 SETS OF (4#10 & 1#10G-1"C) FOR PAY STATIONS #1 & #2 AND PAY STATION #3 & HELP POINT. SEE DRAWING E-201 FOR THE LOCATION OF THE PAY STATIONS AND HELP POINT. THE PAY STATIONS AND HELP POINT ARE BEING FED FROM CKTS #18 & #20 FROM PANEL PP-1.
5. REFER TO PANEL SCHEDULE ON DWG. E-601 FOR ADDITIONAL DETAILS.
6. ALL OUTDOOR ELECTRICAL EQUIPMENT TO BE PROVIDED WITH NEMA 4X RATED WEATHERPROOF ENCLOSURES.
7. FINAL LOCATION OF PHOTOCELL TO BE COORDINATED IN SHOP DRAWINGS.



3  
E-303  
BUS SHELTER LIGHTING PLAN  
SCALE: 1/2" = 1'-0"



DESIGNED  
G.P.  
DRAWN  
L.L.  
CHECKED  
E.G.  
APPROVED  
S.K.



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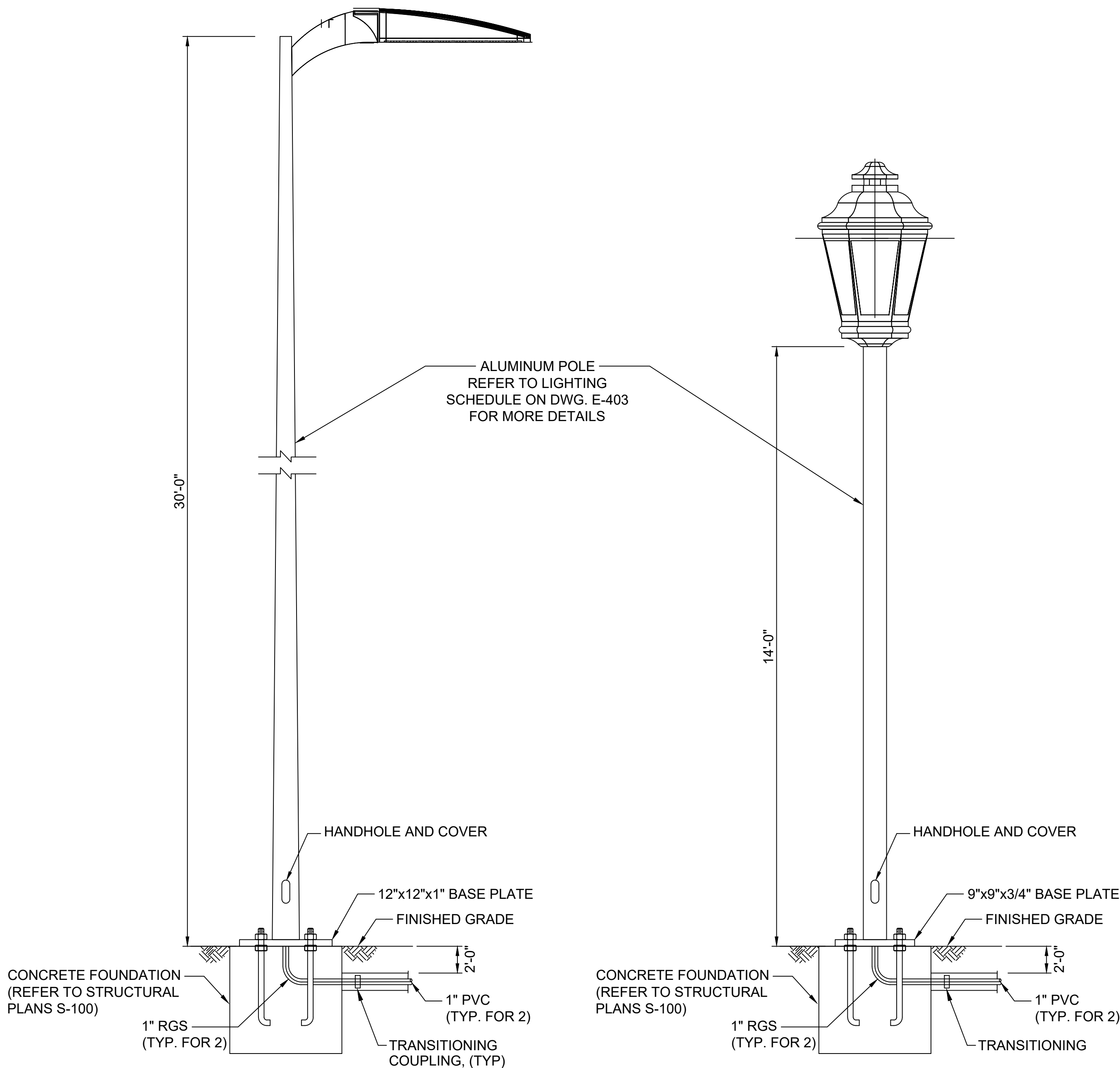
CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

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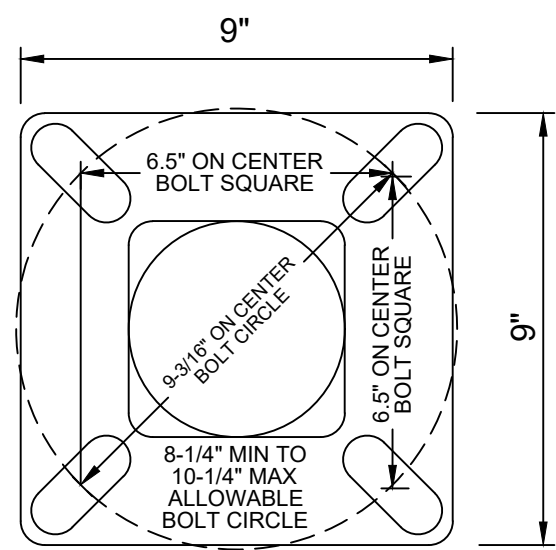
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
PARKING PAY STATION  
AND BUS SHELTER  
POWER & LIGHTING PLAN

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 03-03-2021
DRAWING NO. E-303	
SHEET 75 OF 105	

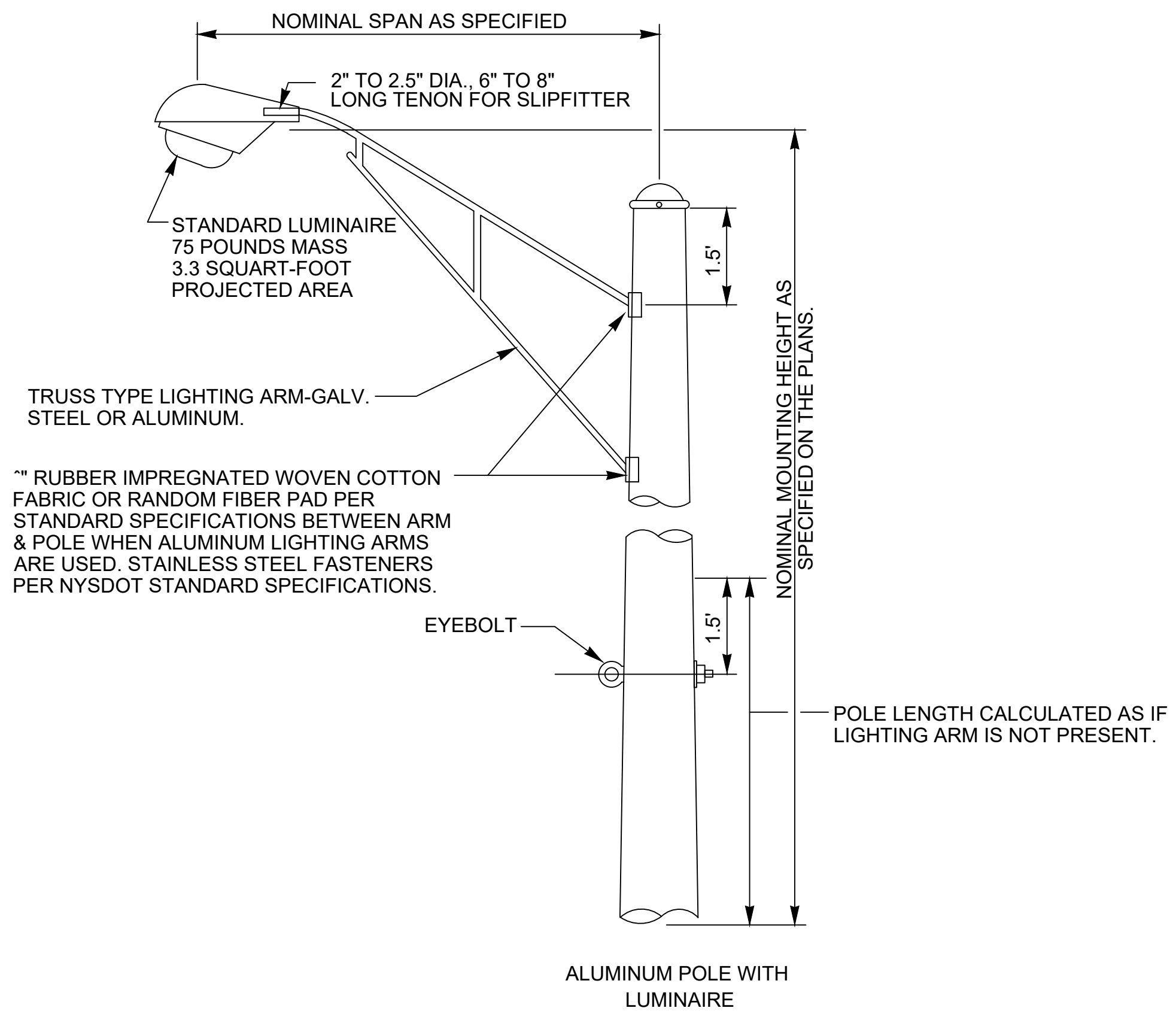


1 PARKING LOT TYPE A - LED LIGHT POLE  
SCALE: N.T.S.

2 SIDE WALK TYPE D - LED LIGHT POLE  
SCALE: N.T.S.



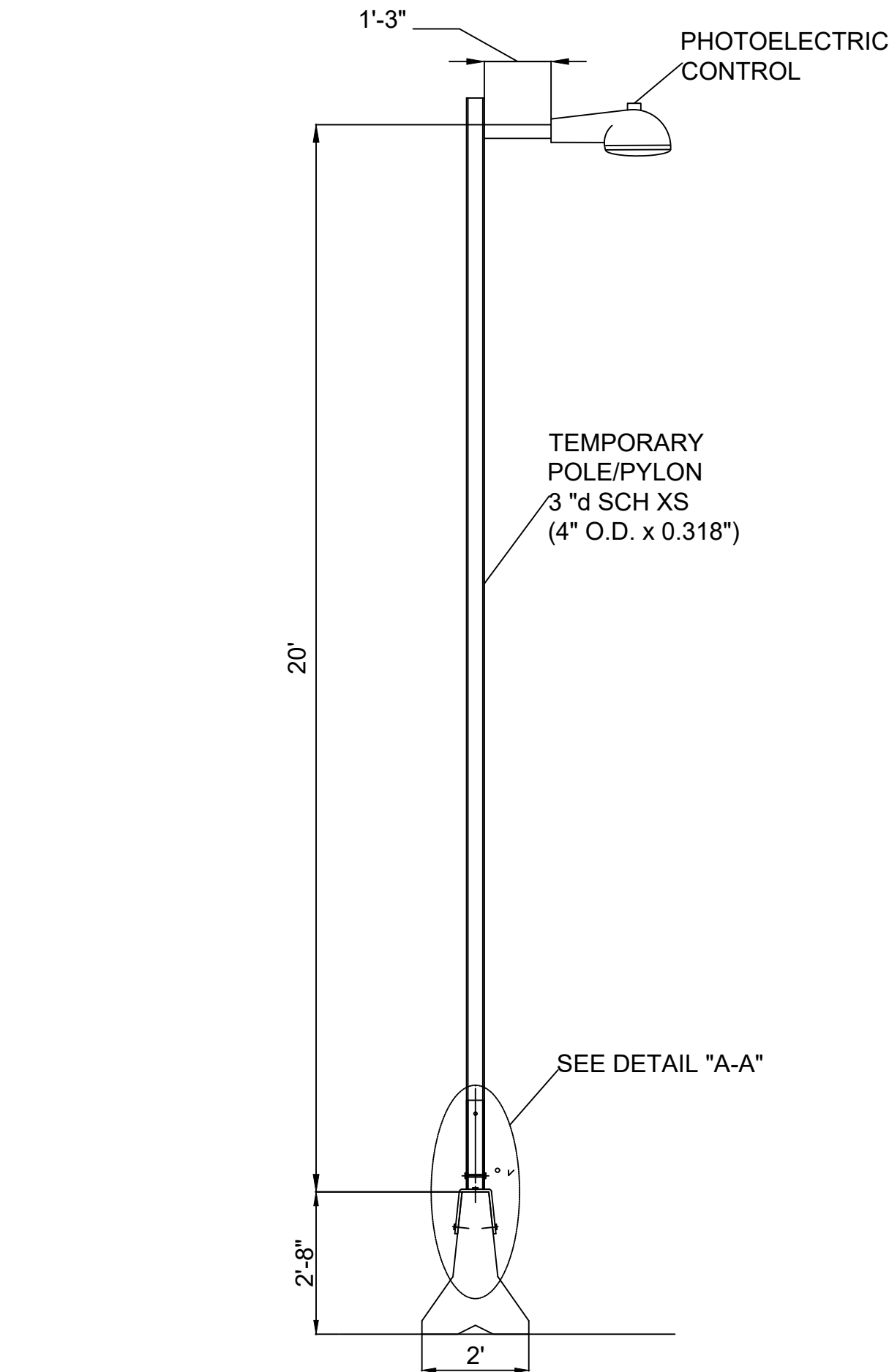
3 BASE PLATE DETAIL (TYPICAL)  
SCALE: N.T.S.



4 INTERSECTION TYPE F - LED LIGHT POLE  
SCALE: N.T.S.

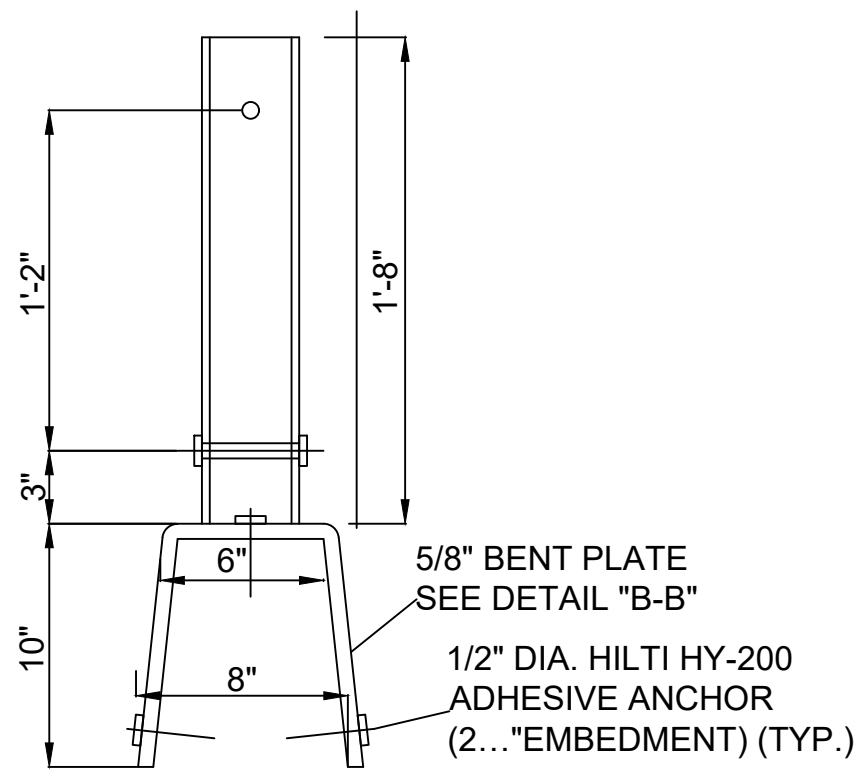
DESIGNED G.P.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<div>CONFORMED</div>							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  LIGHTING DETAILS 1 OF 2	CONTRACT NO. 142486										
DRAWN L.L.											SCALE N.T.S.	DATE 08-21-2020									
CHECKED E.G.											DRAWING NO. E-401										
APPROVED S.K.											SHEET 76 OF 105										
			<table><thead><tr><th>NO.</th><th>DATE</th><th>DRWN</th><th>CHKD</th><th>APPVD</th></tr></thead><tbody><tr><td colspan="5">REVISIONS</td></tr></tbody></table>					NO.	DATE	DRWN	CHKD	APPVD	REVISIONS								
NO.	DATE	DRWN	CHKD	APPVD																	
REVISIONS																					



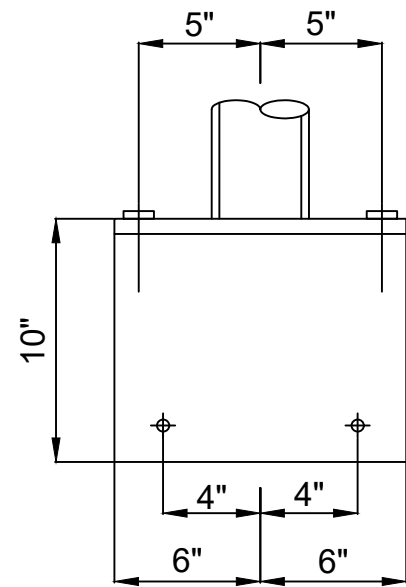


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E-402

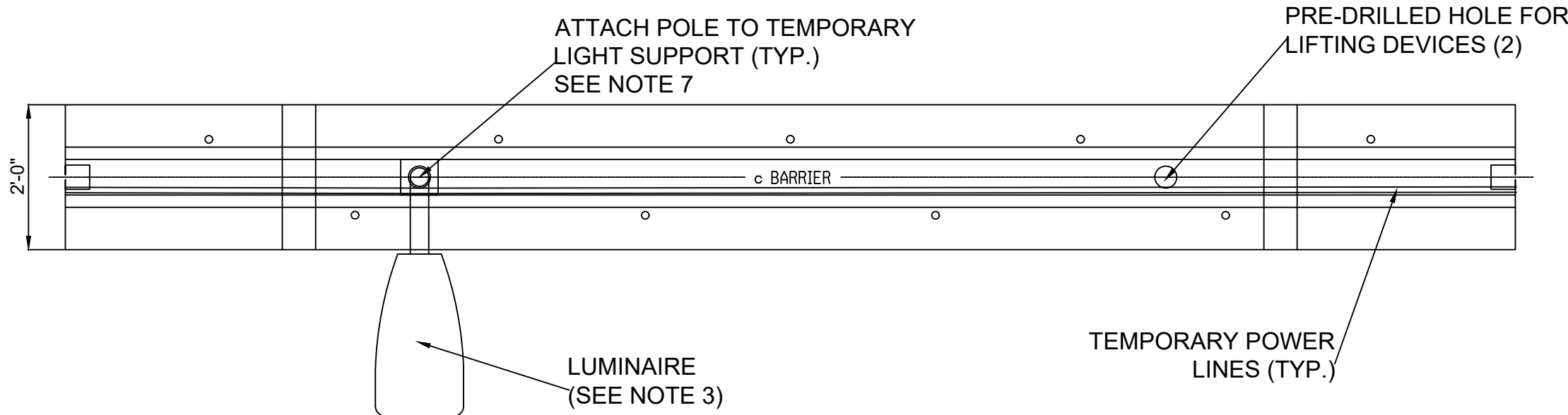
**END VIEW**  
**TEMPORARY LIGHT POLE DETAIL - TYPE G**  
SCALE: N.T.S.



**DETAIL "A-A"**  
**ATTACHMENT OF TEMPORARY LIGHT**  
**SUPPORT TO CONCRETE BARRIER**  
SCALE: N.T.S.

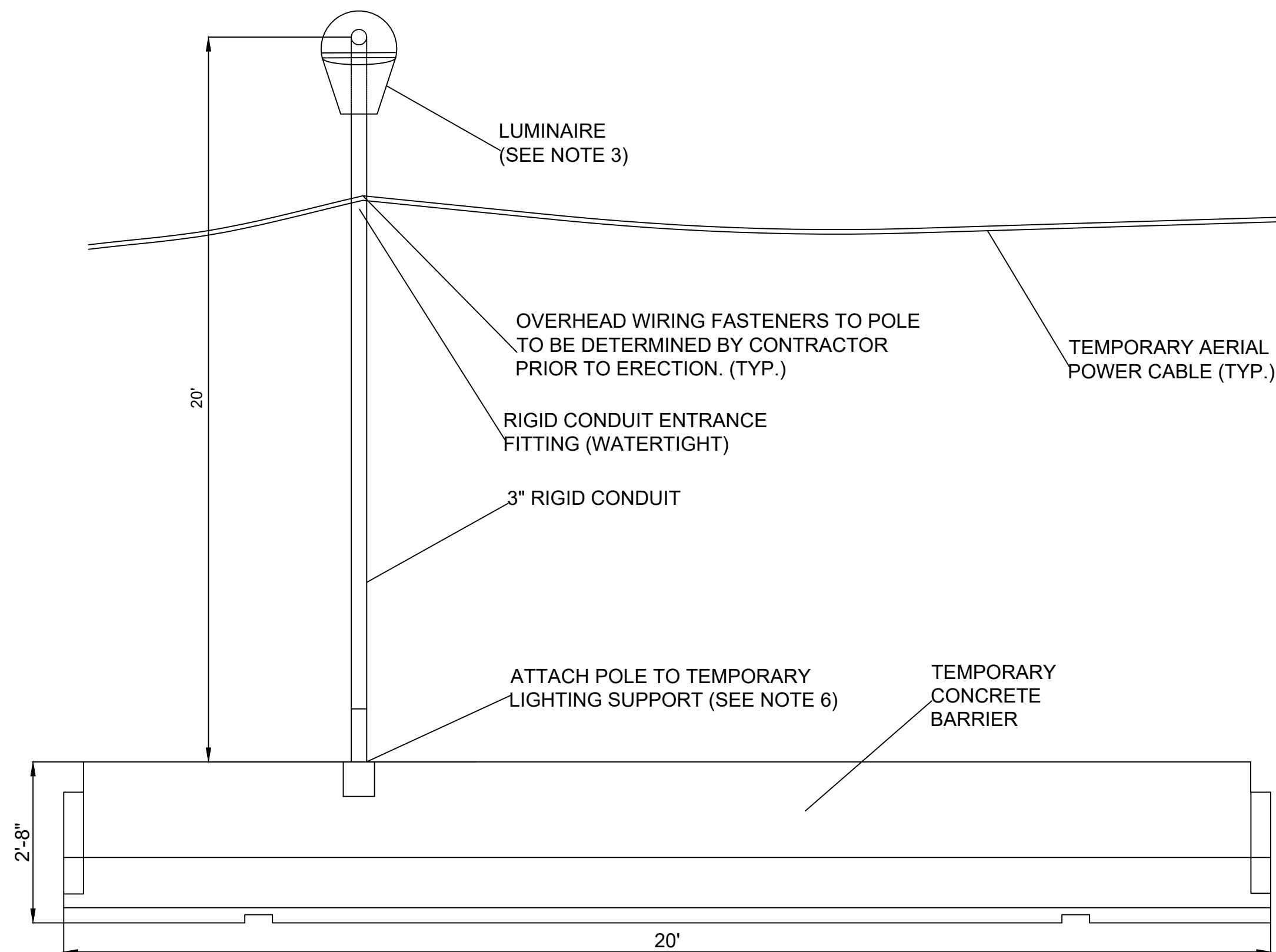


**DETAIL "B-B"**  
**BENT PLATE**  
SCALE: N.T.S.



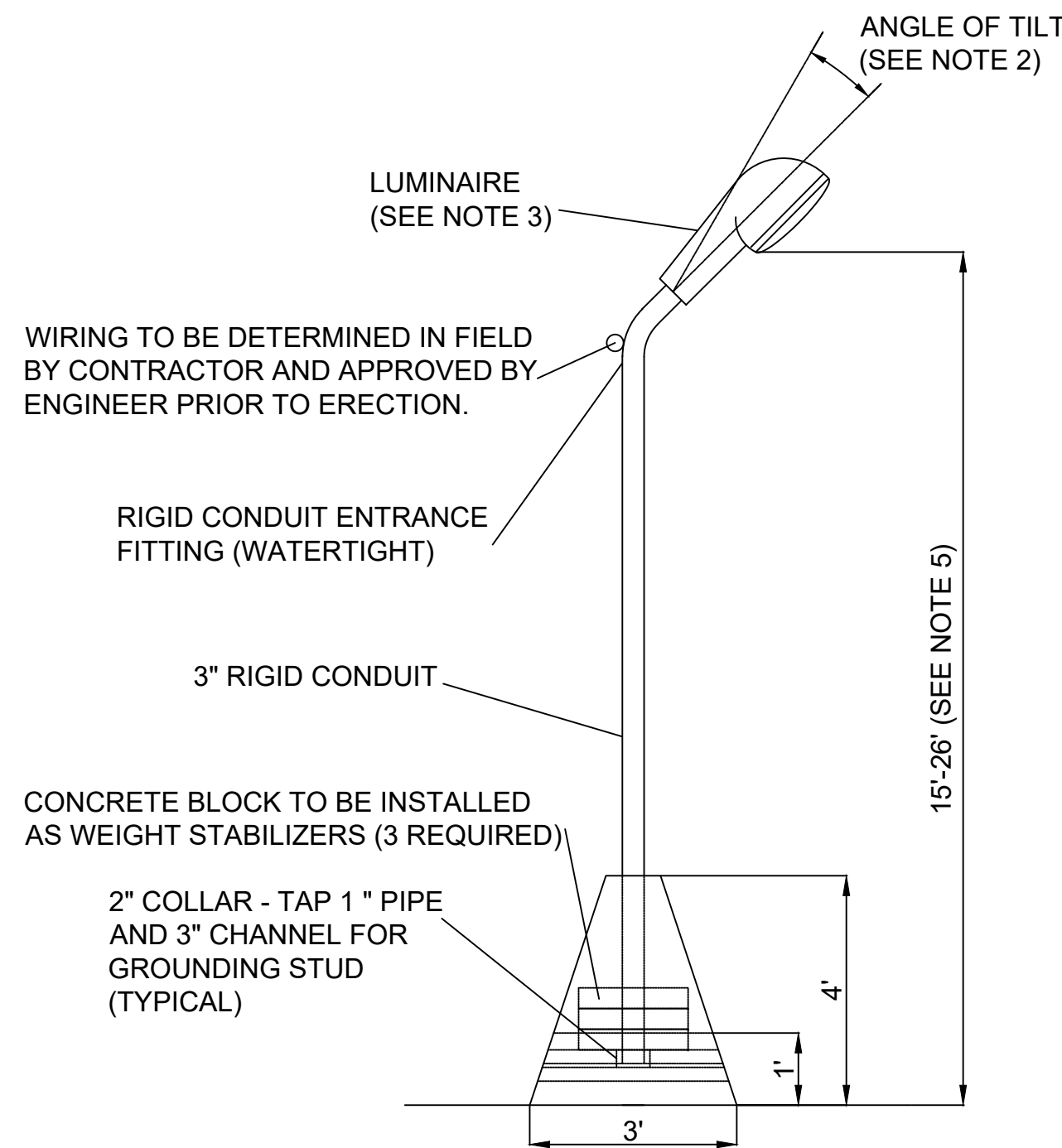
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E-402

**TEMPORARY FIXTURE TEMPORARY**  
**CONCRETE BARRIER INSTALLATION PLAN**  
SCALE: N.T.S.



3  
E-402

**TEMPORARY FIXTURE TEMPORARY**  
**CONCRETE BARRIER INSTALLATION ELEVATION**  
SCALE: N.T.S.



4  
E-402

**TEMPORARY FIXTURE - PYLON INSTALLATION**  
SCALE: N.T.S.

**NOTES:**

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- ANGLE OF TILT MEASURED FROM HORIZONTAL PLANE TO FINISHED PLANE OF LIGHT FIXTURE. TILT CREATED THRU BENDING OF ANGLE FITTING.
- THE CONTRACTOR SHALL USE "TYPE E" LED LIGHTING FIXTURE FOR TEMPORARY LIGHTING LOCATIONS. ANY ADDITIONAL LIGHTS NEEDED SHALL BE PURCHASED BY THE CONTRACTOR UNDER THE TEMPORARY LIGHTING SYSTEM ITEM.
- TEMPORARY SERVICE SHALL BE CONNECTED TO THE TEMPORARY PANEL BOARD. SEE DRAWING E-101 FOR ADDITIONAL DETAILS.
- ANY MODIFICATIONS TO THE TEMPORARY LIGHTING SYSTEM SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ERECTION.
- FINAL HEIGHT TO BE SPECIFIED ON SHOP DRAWINGS AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF TEMPORARY LIGHTING CONNECTION TO TEMPORARY CONCRETE BARRIER PRIOR TO INSTALLATION TO THE ENGINEER.
- DURING CONSTRUCTION, CONTRACTOR SHALL MAINTAIN TEMPORARY, EXISTING AND PROPOSED LIGHT STANDARDS USED AS TEMPORARY UNTIL CONSTRUCTION STAGE OR CONSTRUCTION COMPLETES.
- CONTRACTOR SHALL PROVIDE TEMPORARY POWER DURING EACH CONSTRUCTION STAGE, EITHER AVAILABLE FROM THE EXISTING CONTROL CABINETS OR PROVIDING TEMPORARY LIGHTING CONTROL CABINETS.
- THE CONTRACTOR SHALL PROTECT ALL TEMPORARY CONDUIT/CONDUCTORS USED/REQUIRED TO MAINTAIN POWER TO THE CONNECTED LOAD DURING VARIOUS STAGES OF CONSTRUCTION.

DESIGNED  
G.P.

DRAWN  
L.L.

CHECKED  
E.G.

APPROVED  
S.K.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

**AECOM**



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

LIGHTING DETAILS  
2 OF 2

CONTRACT NO.  
142486

SCALE  
N.T.S.









DATE  
08-21-2020

DRAWING NO.  
E-402

SHEET 77 OF 105

NOTES:

1. FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.


LIGHTING FIXTURE SCHEDULE									
SYMBOL	FIXTURE	DESCRIPTION	LOCATION	MANUFACTURER	CAT. No.	LAMPS	WATTAGE	MOUNTING HEIGHT (APPROXIMATELY)	MOUNTING TYPE
	TYPE A	VLX LED SERIES LIGHTING FIXTURE IS WET RATED AND VANDAL PROOF AND ADEQUATE FOR AREA LIGHTING. THE LIGHTING FIXTURE ALSO INCLUDES A TWIST LOCK PHOTOCELL & RECEPTACLE.	PARKING LOT	VISIONAIRE LIGHTING (OR APPROVED EQUAL)	VLX-1-T3-96LC-3-3K-UNV-AM-XX-PCR-120  SINGLE ARRANGEMENT  ALUMINUM POLE: RTAP-30'-.156-8X4.5-11.63-136-S1-FINISH	LED	103 WATTS	30 FEET	POLE MOUNTED
	TYPE B1	VLX LED SERIES LIGHTING FIXTURE IS WET RATED AND VANDAL PROOF AND ADEQUATE FOR AREA LIGHTING. THE LIGHTING FIXTURE ALSO INCLUDES A TWIST LOCK PHOTOCELL & RECEPTACLE.	PARKING LOT	VISIONAIRE LIGHTING (OR APPROVED EQUAL)	VLX-1-T3-128LC-5-3K-UNV-AM-XX-PCR-120  BACK TO BACK ARRANGEMENT  ALUMINUM POLE: RTAP-30'-.156-8X4.5-11.63-136-D2-FINISH	LED	430 WATTS (SINGLE LUMINAIRE 215 WATTS)	30 FEET	POLE MOUNTED
	TYPE C	VLX LED SERIES LIGHTING FIXTURE IS WET RATED AND VANDAL PROOF AND ADEQUATE FOR AREA LIGHTING. THE LIGHTING FIXTURE ALSO INCLUDES A TWIST LOCK PHOTOCELL & RECEPTACLE.	PARKING LOT	VISIONAIRE LIGHTING (OR APPROVED EQUAL)	VLX-1-T3-128LC-5-3K-UNV-AM-XX-PCR-120  2 AT 90 DEGREES ARRANGEMENT  ALUMINUM POLE: RTAP-30'-.156-8X4.5-11.63-136-D9-FINISH	LED	430 WATTS (SINGLE LUMINAIRE 215 WATTS)	30 FEET	POLE MOUNTED
	TYPE D	THE SANTA ROSE LED SERIES LANTERN CAPTURES THE LOOK & FEEL OF THE OLD WEST WITH TURN-OF-THE-CENTURY STYLING. THE LIGHTING FIXTURE IS WET PROOF & VANDAL PROOF. THE LIGHTING FIXTURE ALSO INCLUDES BUTTON TYPE PHOTOCELL.	SIDEWALK	VISIONAIRE LIGHTING (OR APPROVED EQUAL)	SRL-1-T3-48LC-5-3K-UNV-PT-XX-PC-120  ALUMINUM POLE: RNTA-5R-125-14'-AKB-343-S1-CC	LED	77 WATTS	14 FEET	POLE MOUNTED
	TYPE E	THE VSF LED SERIES LIGHTING FIXTURES ARE DESIGNED FOR RUGGED CONSTRUCTION. THE FLOOD LIGHTING FIXTURE IS DURABLE AND WET PROOF.	TEMPORARY PARKING LOT	VISIONAIRE LIGHTING (OR APPROVED EQUAL)	VSF-1-7x5-32LC-5-3K-UNV-XX-XX-PC120	LED	52 WATTS	8 FEET	MOUNTED ON TEMPORARY FENCE
	TYPE F	AUTOBAHN SERIES ATBS LIGHTING FIXTURE (ITEM No. 670.02050004) WITH 3 PIN NEMA PHOTOCONTROL RECEPTACLE. THE LIGHTING FIXTURE IS MOUNTED ON 15 FEET ALUMINUM TRUSS ARM (ITEM No. 670.1315) AND ON AN 20 FEET ALUMINUM POLE (ITEM No. 670.1120)	INTERSECTION LIGHTING	AMERICAN ELECTRIC LIGHTING (OR APPROVED EQUAL)	ATBS_P60_MVOLT_R2_3K  ALUMINUM POLE: ITEM NO. 670.1120	LED	92 WATTS	15 FEET ARM, 20 FEET POLE	LIGHT POLE
	TYPE G	VLX LED SERIES LIGHTING FIXTURE IS WET RATED AND VANDAL PROOF AND ADEQUATE FOR AREA LIGHTING. THE LIGHTING FIXTURE ALSO INCLUDES A TWIST LOCK PHOTOCELL & RECEPTACLE.	TEMPORARY CROSS WALK	VISIONAIRE LIGHTING (OR APPROVED EQUAL)	VLX-1-T4-96LC-3-3K-UNV-AM-XX-PCR-120  SINGLE ARRANGEMENT  ALUMINUM POLE: RTAP-30'-.156-8X4.5-11.63-136-S1-FINISH	LED	103 WATTS	20 FEET	POLE MOUNTED
	TYPE H	LINEAR RECESSED LED STRIP LIGHT	PAY STATION SHELTER	APOGEE - SOLARA FLEX SYSTEM (OR APPROVED EQUAL)	SOL-8-30-H-RUN-STD-BL	LED	5.9 WATTS/FOOT	7 FEET	RECESSED

DESIGNED  
G.P.

DRAWN  
L.L.



CHECKED  
E.G.

APPROVED  
S.K.



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			CONFORMED			
NO.	DATE			DRWN	CHKD	APPVD
REVISIONS						



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

LIGHTING FIXTURE  
SCHEDULE

CONTRACT NO.  
142486

SCALE  
N.T.S.

DATE  
08-21-2020

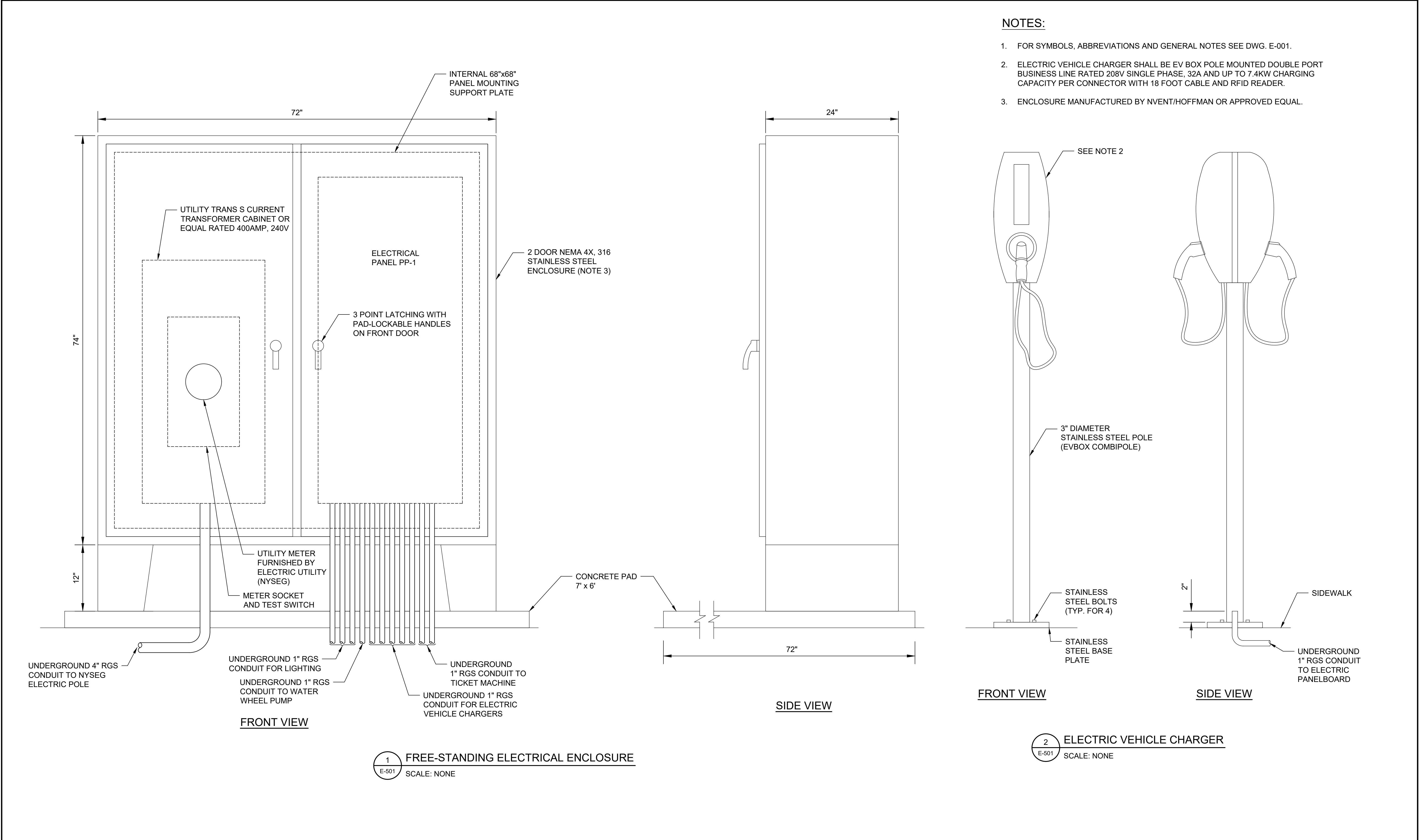
DRAWING NO.  
E-403

SHEET 78 OF 105

C:\Users\leel2\AECOM Directory\MNR Croton Falls - General\900\_CAD\_GIS\910\_CAD\20-SHEETS\Electrical\Package 2\PK 2\_E-403\_LIGHTING FIXTURE SCHEDULE.dwg

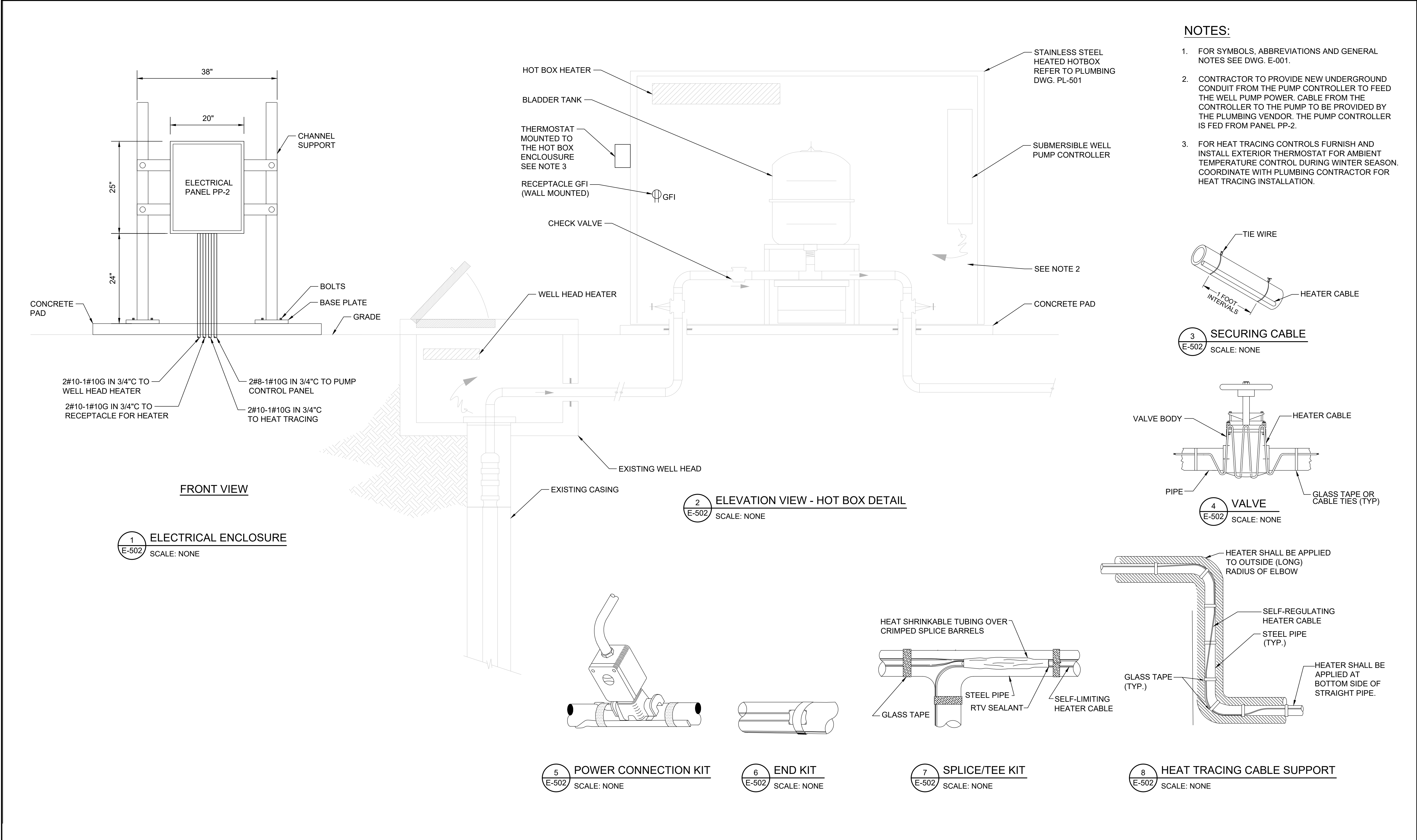


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DESIGNED G.P.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT ELECTRICAL DETAILS 1 OF 3	CONTRACT NO. 142486	
DRAWN L.L.											SCALE N.T.S.	DATE 12-04-2020
CHECKED E.G.											DRAWING NO. E-501	
APPROVED S.K.											SHEET 79 OF 105	
			REVISIONS									
			NO.	DATE		DRWN	CHKD	APPVD				

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NOTES:

- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- CONTRACTOR TO PROVIDE NEW UNDERGROUND CONDUIT FROM THE PUMP CONTROLLER TO FEED THE WELL PUMP POWER. CABLE FROM THE CONTROLLER TO THE PUMP TO BE PROVIDED BY THE PLUMBING VENDOR. THE PUMP CONTROLLER IS FED FROM PANEL PP-2.
- FOR HEAT TRACING CONTROLS FURNISH AND INSTALL EXTERIOR THERMOSTAT FOR AMBIENT TEMPERATURE CONTROL DURING WINTER SEASON. COORDINATE WITH PLUMBING CONTRACTOR FOR HEAT TRACING INSTALLATION.

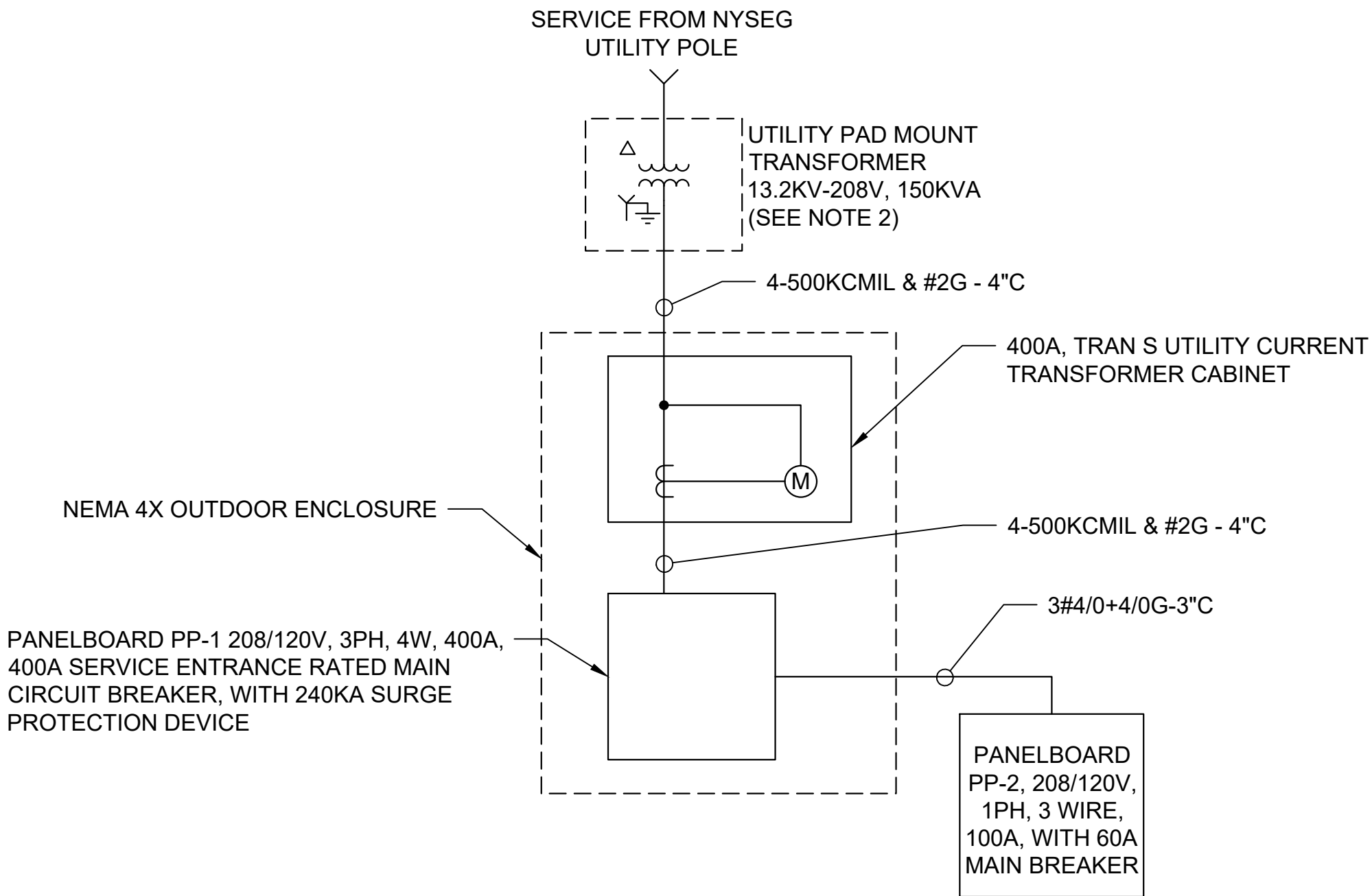
DESIGNED G.P.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT ELECTRICAL DETAILS 2 OF 3	CONTRACT NO. 142486	
DRAWN L.L.											SCALE N.T.S.	DATE 12-04-2020
CHECKED E.G.											DRAWING NO. E-502	
APPROVED S.K.											SHEET 80 OF 105	
			REVISIONS									
			NO.	DATE		DRWN	CHKD	APPVD				



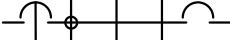
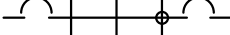
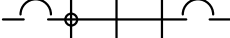
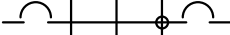

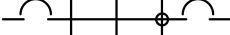


2	TEMPORARY UTILITY SERVICE METER POST AND PANELBOARD ELEVATION
E-503	SCALE: NONE

PANEL 'PP-1'													
VA	SERVICE	SIZE	TRIP	POLE	CKT		CKT	POLE	TRIP	SIZE	SERVICE	VA	
6656	ELECTRICAL VEHICLE CHARGER #1	100	40	2	1		2	2	40	100	ELECTRICAL VEHICLE CHARGER #7	6656	
					3		4						
6656	ELECTRICAL VEHICLE CHARGER #2	100	40	2	5		6	2	40	100	ELECTRICAL VEHICLE CHARGER #8	6656	
					7		8						
6656	ELECTRICAL VEHICLE CHARGER #3	100	40	2	9		10	2	40	100	ELECTRICAL VEHICLE CHARGER #9	6656	
					11		12						
6656	ELECTRICAL VEHICLE CHARGER #4	100	40	2	13		14	2	40	100	ELECTRICAL VEHICLE CHARGER #10	6656	
					15		16						
6656	ELECTRICAL VEHICLE CHARGER #5	100	40	2	17		18	1	20	100	PAY STATION #1 & #2	632	
					19		20						
6656	ELECTRICAL VEHICLE CHARGER #6	100	40	2	21		22	2	70	100	PP-2	9400	
					23		24						
2434	PARKING LOT LIGHTING	100	30	1	25		26	1	30	100	PARKING LOT LIGHTING	2596	
2716	PARKING LOT LIGHTING	100	30	1	27		28	1	30	100	PARKING LOT LIGHTING	2353	
1919	PARKING LOT LIGHTING	100	30	1	29		30	1	20	100	PAY STATION & BUS SHELTER /SIDE WALK LIGHTING	1135	
TOTAL VA: 90187													
LOCATION: PARKING LOT					SERVICE: 208/120V, 400A BUS, 3 PHASE, 4 WIRE MAINS: BREAKER 400A SERVICE ENTRANCE RATED MINIMUM INTERRUPTING RATING - 65 KAIC MOUNTING NEMA 1 ENCLOSURE INSIDE OUTDOOR ELECTRICAL CABINET								



SINGLE LINE DIAGRAM  
N.T.S.

PANEL "PP-2"																
VA	SERVICE	SIZE	TRIP	POLE	CKT	PH	B	N	PH	C	CKT	POLE	TRIP	SIZE	SERVICE	VA
6400	PUMP CONTROLLER	100	40	2	1						2	1	20	100	GFI RECEPTACLE FOR HEATER	1500
					3						4	1	20	100	HEAT TRACING	500
	SPARE	100	20	1	5						6	1	20	100	HEATER	1000
	SPACE				7						8	1	20	100	SPARE	
	SPACE				9						10				SPACE	
	SPACE				11						12				SPACE	
TOTAL VA: 9400																
LOCATION: PARKING LOT					SERVICE: 208/120V, 100A BUS, 1 PHASE, 3 WIRE MAINS: BREAKER 60A MINIMUM INTERRUPTING RATING - 65 KAIC MOUNTING NEMA 4X ON CHANNEL SUPPORT											

TEMPORARY SERVICE PANELBOARD													
VA	SERVICE	SIZE	TRIP	POLE	CKT	PH A N PH B	CKT	POLE	TRIP	SIZE	SERVICE	VA	
1095	TEMPORARY PARKING LOT LIGHTING	100	20	1	1		2	1	20	100	SPARE		
712	TEMPORARY SIDEWALK LIGHTING	100	20	1	3		4	1	20	100	SPARE		
108	TEMPORARY CROSS WALK LIGHTING	100	20	1	5		6	1	20	100	SPARE		
	SPACE				7		8				SPACE		
	SPACE				9		10				SPACE		
	SPACE				11		12				SPACE		
TOTAL VA: 1915													
LOCATION: PARKING LOT					SERVICE: 240/120V, 100A BUS, 1 PHASE, 3 WIRE MAINS: BREAKER 50A SERVICE ENTRANCE RATED MINIMUM INTERRUPTING RATING - 65 KAIC MOUNTING NEMA 3R ON UTILITY METER POST								

NOTES:

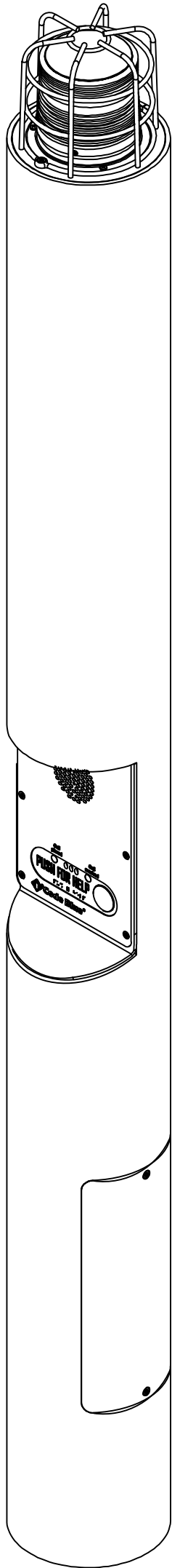
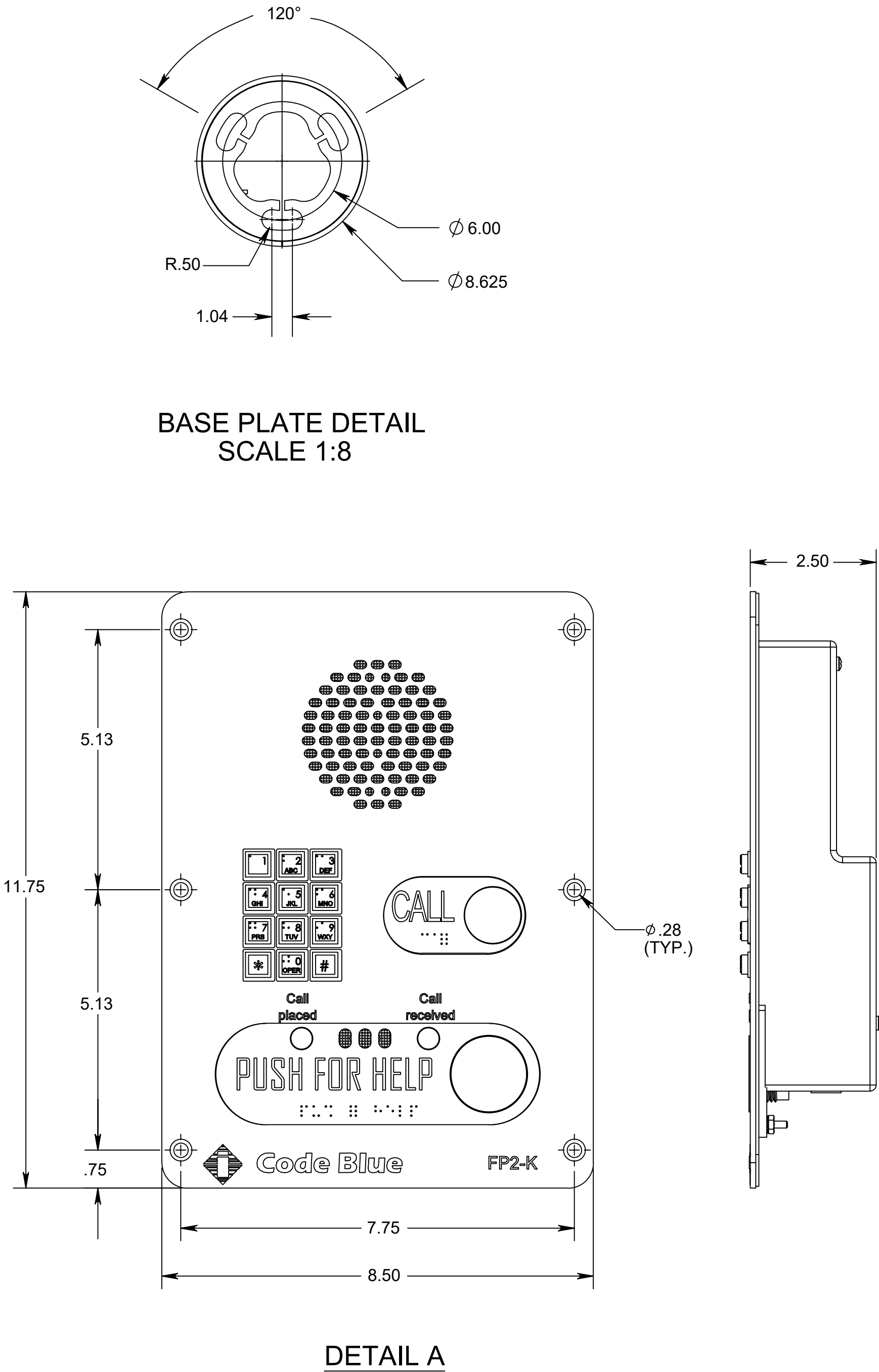
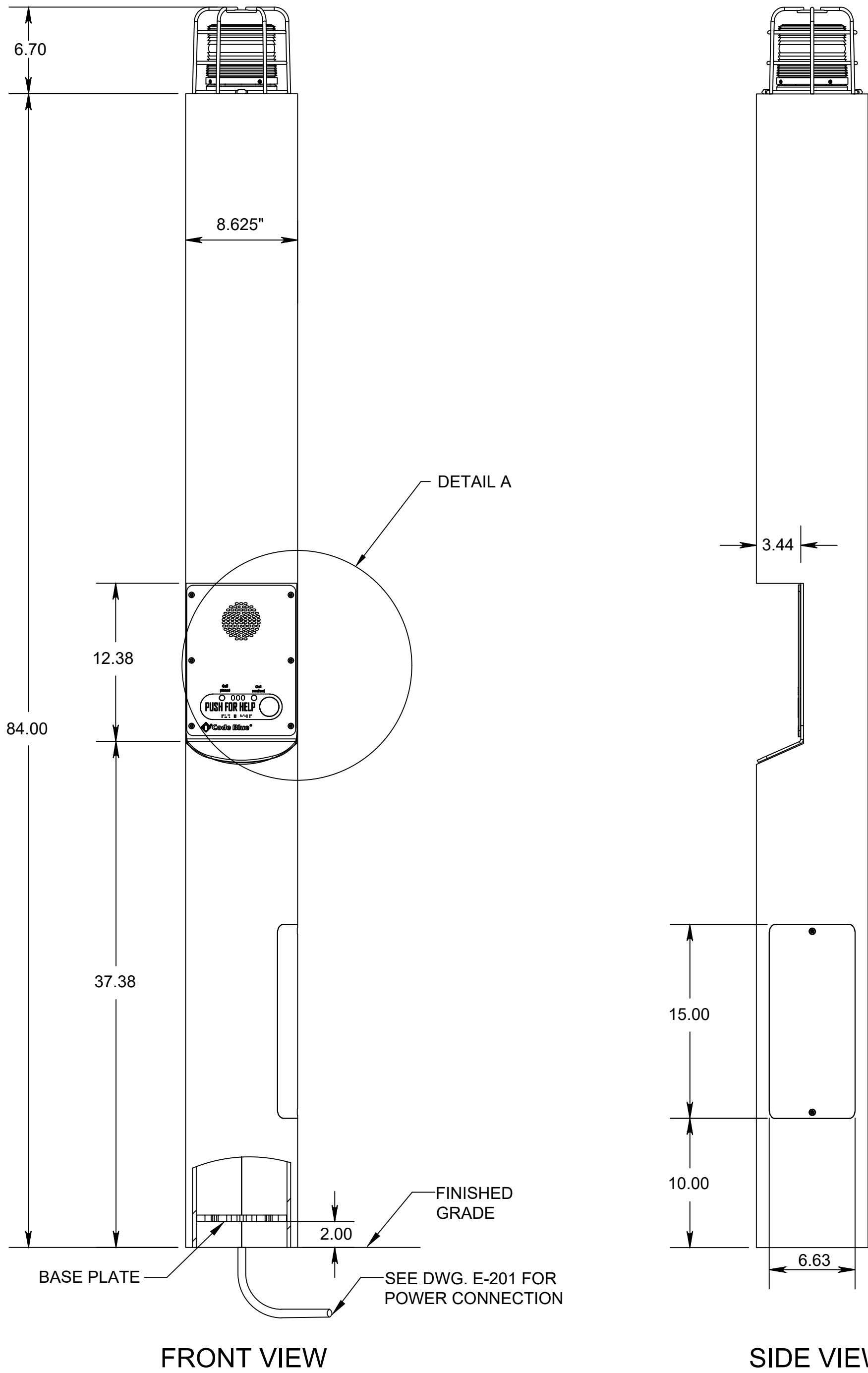
- FOR SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- PADMOUNT TRANSFORMER TO BE FURNISHED AND INSTALLED BY NYSEG. CONTRACTOR SHALL FURNISH AND INSTALL CONCRETE PAD AND VAULT FOR TRANSFORMER PER NYSEG STANDARDS (SEE DETAIL ON DRAWING E-503).
- FOR TEMPORARY PANELBOAD INSTALLATION AND CONNECTIONS REFER TO DRAWINGS E-101 AND E-503.

C:\Users\lee12\AECOM Directory\MNR Croton Falls - General\900\_CAD\_GIS\910\_CAD\20-SHEETS\Electrical\Package 2\PK 2\_E-601\_ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULE.dwg



NOTES:

1. THE HELP POINT EQUIPMENT WILL BE PROVIDED BY MNR. THE CONTRACTOR SHALL INSTALL HELP POINT EQUIPMENT.
2. FOR HELP POINT EQUIPMENT LAYOUT, REFER TO DRAWINGS. C-201 AND C-210.



3/2/2021 6:39:06 PM  
LeeL2

DESIGNED  
G.P.

DRAWN  
L.L.

CHECKED  
E.G.

APPROVED  
S.K.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

**AECOM**



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

HELP POINT SYSTEM DEVICE  
AND MOUNTING DETAILS


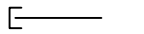
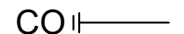
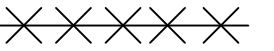

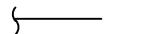
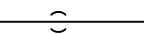
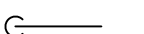



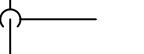
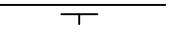
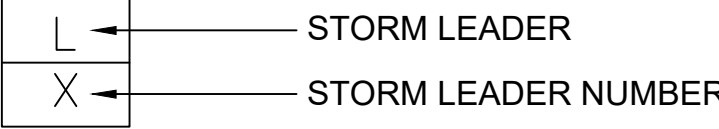
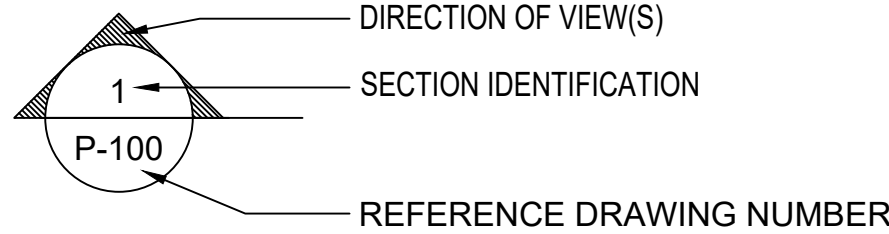
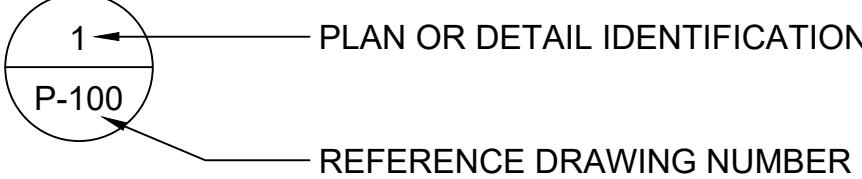
CONTRACT NO.  
142486

SCALE N.T.S.	DATE 03-03-2021
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DRAWING NO.  
**CM-100**

SHEET 83 OF 105

Michael Cervini: 8/21/2020 1:18:54 PM

PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
	ACCESS PANEL
	PIPE CAP
	CLEANOUT
	EXISTING PIPING TO BE REMOVED
	NON-POTABLE COLD WATER PIPING
	PIPE BREAK
	PIPE CONNECTION, BOTTOM
	PIPE DROP OR DOWN
	PIPE RISE OR UP
	POINT OF DISCONNECTION
	POINT OF RECONNECTION
	VALVE IN VERTICAL
	WATERTIGHT PIPE SLEEVE, WALL PENETRATION
	
	
	

NOTES

1) THE KEY OF SYMBOLS INDICATED IS FOR CONVENIENCE ONLY AND ITEMS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF THE WORK.

PLUMBING ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AB	ABOVE
AFF	ABOVE FINISH FLOOR
AP	ACCESS PANEL
BLDG	BUILDING
CFM	CUBIC FEET PER MINUTE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONN	CONNECTION
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
EA	EACH
ETC	ET CETERA
EXIST	EXISTING
FL	FLOOR
HZ	HERTZ
KW	KILOWATT
NPCW	NON-POTABLE COLD WATER
NTS	NOT TO SCALE
RPM	REVOLUTIONS PER MINUTE
SST	STAINLESS STEEL
SQ. FT.	SQUARE FEET
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
V	VOLT
W	WATT

GENERAL NOTES

- ALL PLUMBING WORK SHALL MEET THE REQUIREMENTS OF THE 2020 NEW YORK STATE PLUMBING CODE.
- THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING AND EQUIPMENT AND INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF THE PIPING AND SUGGEST PROPER ROUTES OF PIPING. HOWEVER, IT IS NOT THE INTENTION OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, OBSTRUCTIONS OR STRUCTURAL CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, AND KEEP OPENINGS CLEAR WITHOUT FURTHER CONSTRUCTION OR COST.
- THIS CONTRACTOR SHALL VISIT THE PREMISES OF HIS PROPOSED WORK AND SHALL CAREFULLY EXAMINE THE EXISTING CONDITIONS AND LIMITATIONS THEREOF. VERIFICATION SHALL BE MADE AS TO THE ACTUAL LOCATIONS WHERE PIPE RUNS WILL TIE INTO EXISTING WORK AND CLEARANCES WITH STRUCTURAL MEMBERS. THE CONTRACTOR SHALL INCLUDE ALL COSTS OF ANY KIND WHATSOEVER WHICH ARE INCURRED THROUGH LIMITATIONS OF THE EXISTING CONDITIONS.
- THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES AND STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION.
- COORDINATE ALL WORK WITH AUTHORITIES HAVING JURISDICTION AND LOCAL UTILITY COMPANIES, INCLUDING BUT NOT LIMITED TO APPLICATIONS, PERMITS, FEES, APPROVALS, AND SIGN OFFS.
- FOR WATER WELL DECOMMISSIONING, CONTRACTOR TO FOLLOW GUIDELINES AND RECOMMENDATIONS FROM DEC DOCUMENT TITLED "WATER SUPPLY WELL DECOMMISSIONING RECOMMENDATIONS DIVISION OF WATER."
- FOR WATER WELL TESTING, CONTRACTOR TO FOLLOW GUIDELINES AND RECOMMENDATIONS FROM WESTCHESTER COUNTY DOCUMENT TITLED "WESTCHESTER COUNTY HEALTH DEPARTMENT RULES & REGULATIONS FOR PRIVATE WATER WELL TESTING IN WESTCHESTER COUNTY, NEW YORK."

PROPOSED WORK NOTES

- PROVIDE SUPPORTS, RISER CLAMPS, HANGERS TO SUPPORT PIPES EQUIPMENT AND ACCESSORIES FROM THE STRUCTURE AND GROUND. CONTRACTOR SHALL PROVIDE REQUIRED SUPPLEMENTAL STEEL TO ACCOMPLISH A SAFE AND SOUND INSTALLATION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO THE ENGINEERS FOR APPROVAL, PRIOR TO INSTALLATION, COMPLETE LAYOUT DRAWINGS INDICATING ALL PIPING SIZING AND ELEVATIONS.

SUBMERSIBLE WELL PUMP SCHEDULE									
PUMP #	PUMP CAPACITY (GPM)	DISCH. HEAD (FEET)	DISCH. SIZE (INCHES)	MOTOR DATA					ADDITIONAL INFORMATION
				RPM	HP	PHASE	CYCLE	VOLTS	
P-1	18	300	3/4"	1200	2	1	60	230	VFD

DESIGNED  
B.F.

DRAWN  
M.C.

CHECKED  
J.Y.

APPROVED  
E.B.



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NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

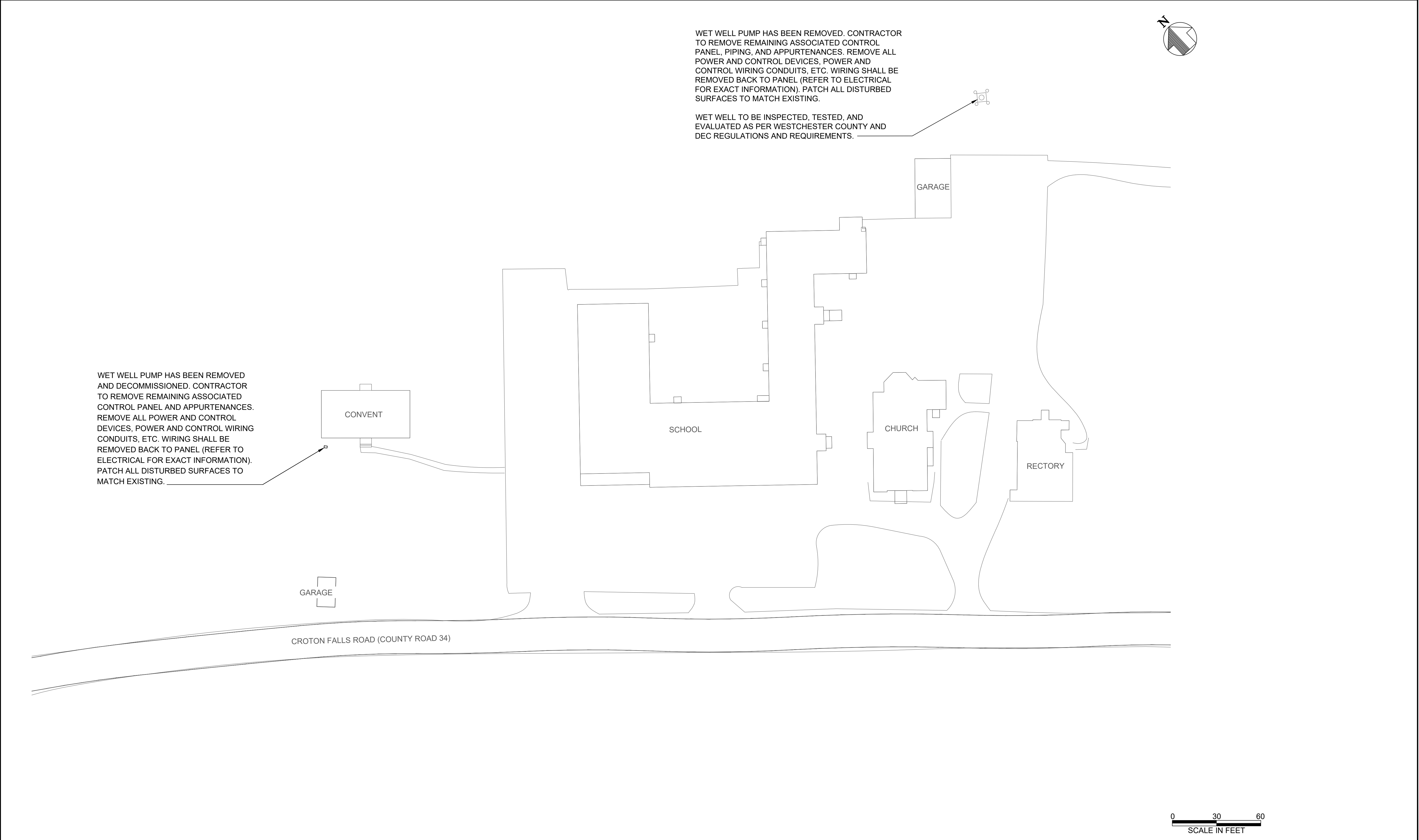


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
  
PLUMBING NOTES,  
ABBREVIATIONS,  
AND LEGEND

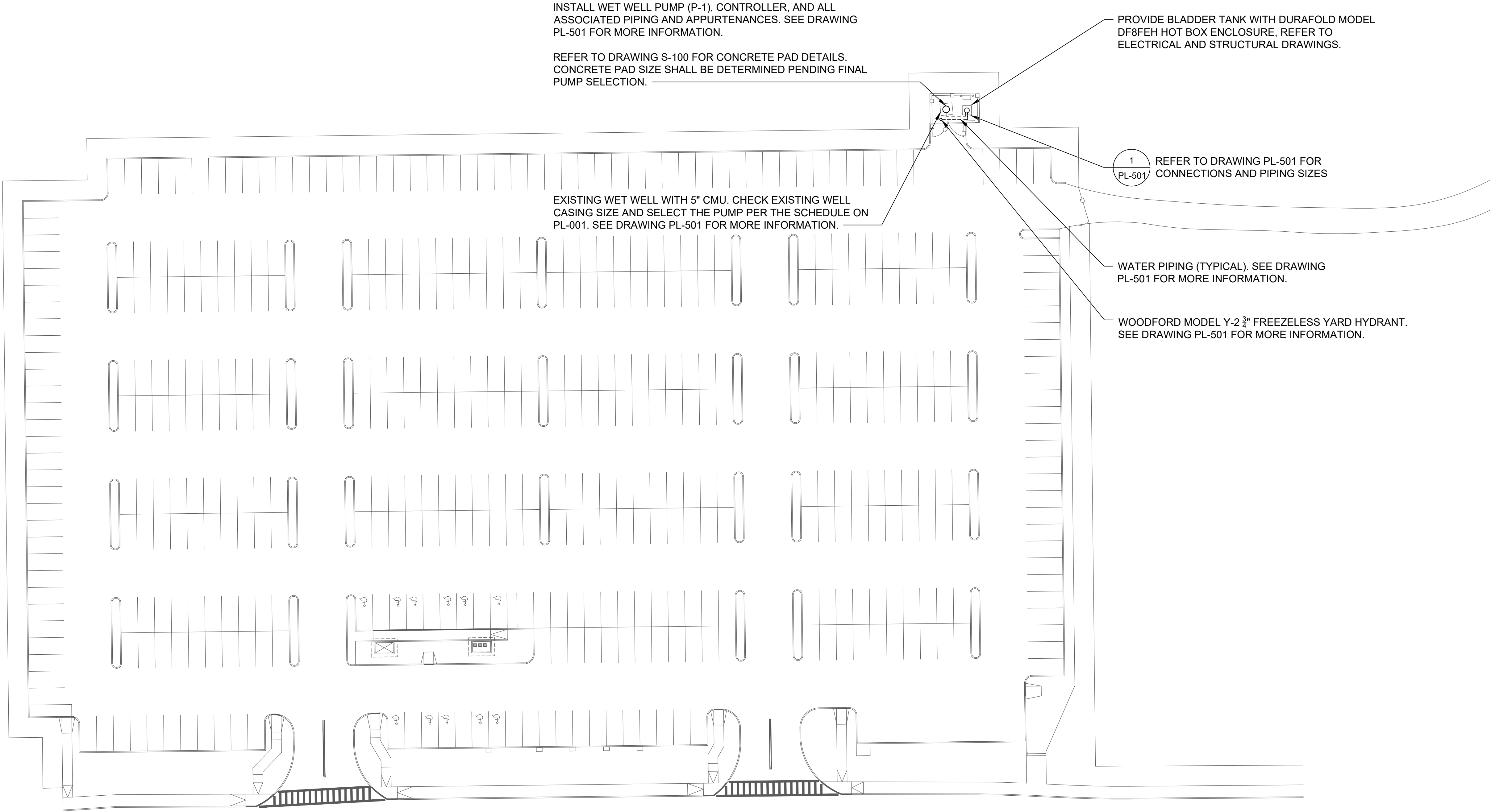
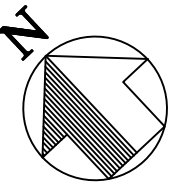
CONTRACT NO. 142486	
SCALE N.T.S.	DATE 08-21-2020
DRAWING NO. PL-001 SHEET 84 OF 105	



Michael Cervini: 8/21/2020 1:20:02 PM



DESIGNED B.F.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<div>CONFORMED</div>								TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  PLUMBING REMOVAL PLAN	CONTRACT NO. 142486	
DRAWN M.C.												SCALE 1" = 30'	DATE 08-21-2020
CHECKED J.Y.												DRAWING NO. PL-101	
APPROVED E.B.												SHEET 85 OF 105	



DESIGNED  
B.F.

DRAWN  
M.C.

CHECKED  
J.Y.

APPROVED  
E.B.



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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

PLUMBING PROPOSED PLAN

CONTRACT NO. 142486	
SCALE 1" = 30'	DATE 08-21-2020
DRAWING NO. PL-201	
SHEET 86 OF 105	







LANDSCAPE PROTECTION AND REMOVAL NOTES:

1. REFER TO DRAWING G-102 FOR GENERAL NOTES AND LEGEND.
2. ALL PRE-EXISTING TREE FEATURES AND CONDITIONS, INCLUDING DAMAGE TO THE TREE AND THE TREE'S IMMEDIATE SURROUNDINGS WITHIN THE LIMITS OF WORK SHALL BE DOCUMENTED THROUGH PHOTOGRAPHS (STILL OR VIDEO) AND DESCRIPTIONS. THE LIMITS OF THE WORK, WHICH ARE THE PROJECT LIMITS AS SHOWN ON THE TITLE SHEET, WILL BE IDENTIFIED IN THE FIELD THROUGH MARKERS SUCH THAT THEY ARE CLEARLY IDENTIFIABLE. THIS PHOTO-DOCUMENTATION WILL BE KEPT IN THE FIELD OFFICE FOR LATER USE IN VERIFYING THE ADEQUACY OF LATER SITE RESTORATION.
3. AT LEAST TWO WEEKS PRIOR TO ANY TREE REMOVAL, THE CONTRACTOR WILL CONTACT NYCDEP TO ARRANGE A SITE VISIT WITH FORESTRY PROGRAM STAFF FOR FINAL APPROVAL OF THE PROPOSED TREE REMOVAL ON CITY PROPERTY. THE LIMITS OF DISTURBANCE WILL BE CLEARLY STAKED IN THE FIELD PRIOR TO THE SITE VISIT. AT LEAST ONE PERSON ATTENDING THE SITE VISIT MUST BE FAMILIAR WITH THE EQUIPMENT THAT WILL BE USED FOR CLEARING. NYCDEP MAY IMPOSE RESTRICTIONS ON THE METHOD OF AND EQUIPMENT USED FOR CLEARING. TREE REMOVAL WILL OCCUR BETWEEN NOVEMBER 1 AND MARCH 31.
4. STUMPS THAT ARE NOT GRUBBED, IF ANY, WILL BE LEFT NO HIGHER THAN THE ROOT SWELL OR HALF THE DIAMETER OF THE STUMP. NO TREES WILL BE LEFT PARTIALLY CUT, AND NO WOODY DEBRIS WILL BE LEFT HANGING IN STANDING TREES. ALL BROKEN, UPROOTED, SPRUNG, AND SEVERELY DAMAGED TREES WILL BE CUT AS DIRECTED BY NYCDEP ON CITY PROPERTY.
5. ALL DEBRIS CREATED DURING CLEARING, INCLUDING WOOD CHIPS, WILL BE REMOVED FROM CITY PROPERTY AND DISPOSED OF OFF-SITE. CLEARED OR GRUBBED MATERIAL WILL NOT BE USED AS FILL, BACKFILL, OR IN EMBANKMENTS.
6. ALL BAR AND CHAIN OIL USED DURING CLEARING WILL BE BIODEGRADABLE.
7. WORK ZONE AND TREE PROTECTION STAKEOUT: PRIOR TO ANY OTHER WORK, THE CONTRACTOR SHALL STAKE OUT THE LIMITS OF TREE PROTECTION WITHIN THE LIMITS OF WORK AS SHOWN ON THE PLANS, FOR APPROVAL BY THE ENGINEER IN CONSULTATION WITH THE ISA CERTIFIED ARBORIST AND THE OWNER. IF NO TREE PROTECTION AREA LIMITS ARE SPECIFICALLY SHOWN ON THE PLANS, AND WORK WILL OCCUR IN OR NEAR TREES OR VEGETATED AREAS, THE LANDSCAPE ARCHITECT, IN CONSULTATION AS ABOVE, WILL DIRECT THE CONTRACTOR. THE INTENT OF THE LIMITS IS TO PROTECT THE ROOT ZONE OF INDIVIDUAL TREES AND GROUPINGS OF TREES (USING THE DRIPLINE--THE VERTICAL PROJECTION TO THE GROUND OF THE TREES CANOPY AS A GUIDE) AND OTHER VALUABLE VEGETATION TO THE MAXIMUM EXTENT FEASIBLE WHILE ALLOWING THE CONTRACTOR SUFFICIENT ROOM TO OPERATE, SEE SPECIFICATION SECTION 02 56 39 FOR ADDITIONAL DETAIL. THEREFORE, THE CONTRACTOR MUST ASSESS THE ADEQUACY OF THE ALLOWED SPACE FOR ALL CONCEIVABLE ACTIVITIES INCLUDING THE PARKING OF PERSONAL VEHICLES. IT IS UNDERSTOOD THAT WORK MAY NEED TO OCCUR IN THE ROOT ZONE OF TREES. IN SUCH CASES, THE CONTRACTOR MAY PROPOSE ADJUSTMENTS TO THE STAKEOUT OF PROTECTION LIMITS TO SUIT FIELD CONDITIONS AND SUCH OPERATIONS. ANY SUCH ADJUSTMENTS SHALL BE IN WRITING AND/OR SHOWN ON A PLAN AND/OR APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT IN CONSULTATION AS ABOVE. IN ADDITION, ANY PROPOSED ADJUSTMENTS TO THE STAKEOUT OF PROTECTION LIMITS ON CITY PROPERTY SHALL REQUIRE APPROVAL FROM NYCDEP.

AFTER APPROVAL OF THE STAKEOUT AND ADJUSTMENTS, TREE PROTECTION SHALL BE PLACED ALONG THESE LIMITS UNLESS OTHERWISE SPECIFIED.

ONCE TREE PROTECTION IS IN PLACE, THE CONTRACTOR SHALL NOT ENTER, DAMAGE OR DIMINISH THE LANDSCAPE OR ANY PORTION THEREOF WITHIN THE DEFINED TREE PROTECTION AREAS. WHEN OCCUPYING DRIPLINE AREAS, THE TREE PROTECTION MUST BE IN PLACE AND THE CONTRACTOR SHALL AVOID STOCKPILING, STORING EQUIPMENT, DRIVING OR PARKING ANY VEHICLES TO THE MAXIMUM EXTENT POSSIBLE. ANY SUCH STOCKPILING SHALL BE REMOVED AS SOON AS POSSIBLE. BY THE END OF THE PROJECT, THE ENTIRE WORK ZONE, WITH THE EXCEPTION OF ITEMS DOCUMENTED DURING THE PRE-CONSTRUCTION INSPECTION, SHALL BE RESTORED PER THE CONTRACT DOCUMENTS AND/OR TO STANDARDS MUTUALLY AGREED UPON IN ADVANCE BY THE OWNER.

8. APPROVED TREE REMOVALS OR PRUNING: NO TREE PRUNING MAY BE PERFORMED EXCEPT BY (OR UNDER THE SUPERVISION OF) A QUALIFIED TREE-CARE PROFESSIONAL (CERTIFICATION BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR APPROVED EQUAL) APPROVED BY THE LANDSCAPE ARCHITECT. PRUNING SHALL ONLY BE DONE TO REMOVE DEAD LIMBS THAT POSE A HAZARD TO USERS OF THE SIDEWALK AND TO GAIN THE DESIRED 8' CLEARANCE ON THE SIDEWALK SIDE OF TREES. ALL PRUNING CUTS MUST BE ARBORICULTURALLY CORRECT TO ALLOW FOR PROPER HEALING. IN CASE OF A TREE REMOVAL, ALL REMNANTS INCLUDING, BUT NOT LIMITED TO STUMPS, TRUNKS, LIMBS, BRANCHES, AND FOLIAGE SHALL BE DISPOSED OF AS EXPEDITIOUSLY AS POSSIBLE. (ASIAN LONGHORN BEETLE QUARANTINE AREAS, RESTRICTIONS APPLY; SEE OTHER NOTES LATER IN THIS SECTION). THE COST OF DISPOSAL AS SPECIFIED ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR THE RESPECTIVE TREE REMOVAL ITEMS.
9. UNAUTHORIZED TREE REMOVALS: IF THE CONTRACTOR REMOVES TREES NOT IDENTIFIED ON THE CONTRACT PLANS OR SO SEVERELY DAMAGES TREES, THE CONTRACTOR SHALL PROVIDE REPLACEMENT TREES AT ITS OWN EXPENSE ACCORDING TO CONTRACT SPECIFICATION SECTION 02 56 39. THE FINAL LOCATION OF REPLACEMENT TREES SHOULD BE WITHIN THE PROJECT LIMITS AND WILL BE AS DIRECTED BY THE ENGINEER. IF PLANTING WITHIN THE PROJECT LIMITS IS NOT POSSIBLE, THE OWNER WILL PROVIDE GUIDANCE ON APPROPRIATE MITIGATION. ANY REPLACEMENT TREES PLANTED AS MITIGATION MUST BE WATERED, MAINTAINED AND GUARANTEED PER SPECIFICATIONS AT NO COST TO THE OWNER.
10. GENERAL PROTECTION OF EXISTING LANDSCAPE: AT ALL TIMES DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL AVOID OR MINIMIZE: SOIL COMPACTION, POLLUTION, EROSION AND IMPACTS TO EXISTING VEGETATION EVEN WHEN REMOVAL. SELECTIVE THINNING OR CLEARING AND GRUBBING ARE SPECIFIED IN THE CONTRACT PLANS. THE CONTRACTOR SHALL PLACE APPROVED GEOTEXTILE ON UNPAVED AREAS WHERE MATERIALS WILL BE STOCKPILED, TO MINIMIZE SOIL COMPACTION AND PREVENT CONTAMINATION OF EXISTING SOIL. UNDER NO CIRCUMSTANCES MAY PETROLEUM PRODUCTS, CONCRETE WASH WATER, PAINT, OR OTHER POLLUTANTS BE ALLOWED TO SEEP INTO THE LANDSCAPE OR CITY DRAINAGE SYSTEM.
- IF CONCRETE EQUIPMENT WASHING IS REQUIRED, THIS MUST BE DONE ONLY IN AN APPROVED STAGING AREA AS SHOWN AND DETAILED IN THE CONTRACT DOCUMENTS UNLESS OTHERWISE SPECIFIED. THE CONTAINMENT AREA SHALL BE CREATED BY FORMING AN ENCLOSURE (TEMPORARY SILT FENCE) CONTINUOUSLY LINED WITH HEAVY DUTY IMPERMEABLE SHEETS. THE SHEETS AND ALL EVIDENCE OF WASHOUT SHALL BE REMOVED ON COMPLETION OF THE OPERATION, ORIGINAL GRADES AND SOIL TEXTURE WILL BE RESTORED.

11. LANDSCAPE MAINTENANCE DURING CONSTRUCTION: DURING THE COURSE OF THE PROJECT, THE CONTRACTOR SHALL MAINTAIN THE APPEARANCE OF THE PROJECT SITE BY REMOVING LITTER, DEBRIS AND EXCESS MATERIALS AS A RESULT OF THE CONSTRUCTION OPERATION FROM THE WORK SITE ON A REGULAR BASIS AND STORE ALL CONSTRUCTION EQUIPMENT AND CONSTRUCTION MATERIAL IN AN ORGANIZED FASHION THROUGHOUT THE CONSTRUCTION PERIOD. THIS WILL DETER ILLEGAL DUMPING AND ENCOURAGE THE PUBLIC TO RESPECT THE PROJECT AND THE REST OF THE ROADWAY.
- ALL AREAS INACCESSIBLE TO AGENCIES MAINTENANCE FORCES MUST BE KEPT AS CLEAN AS POSSIBLE BY THE CONTRACTOR. THE ENGINEER WILL CONSULT WITH THE CONTRACTOR AND THE OWNER TO DETERMINE AND AGREE UPON THE LIMITS OF SUCH AREAS. ADDITIONALLY, ANY VEGETATION REQUIRING MAINTENANCE SUCH AS MOWING OF GRASS WILL BE MAINTAINED TO THE STANDARD AS ORDERED BY THE ENGINEER. CLEANING AND OTHER MAINTENANCE TASKS MUST BE COORDINATED REGULARLY THROUGH THE ENGINEER WITH APPROPRIATE AGENCIES TO PROVIDE UNINTERRUPTED MAINTENANCE THROUGHOUT THE PROJECT.
12. MITIGATION OF LANDSCAPE/ TOPSOIL: ALL EXCESS MATERIALS AND DEBRIS DUE TO THE CONTRACTORS OPERATION SHALL BE REMOVED BY THE CONTRACTOR, AS PART OF THE SITE RESTORATION AT NO COST TO THE OWNER. ALL SOIL DIMINISHED AND/OR CONTAMINATED WITH EXCESS MATERIAL AND DEBRIS, AS DETERMINED BY THE ENGINEER IN CONSULTATION WITH THE LANDSCAPE ARCHITECT AND THE OWNER, SHALL ALSO BE REMOVED AS NECESSARY TO CLEAN SOIL AND SHALL BE REPLACED WITH SUFFICIENT AT NO COST TO THE OWNER. IF IT IS DETERMINED BY THE ENGINEER IN CONSULTATION WITH THE LANDSCAPE ARCHITECT THAT THE SOIL HAS BEEN COMPACTED DURING THE COURSE OF THE PROJECT, IT WILL BE UNCOMPACTED AND LOOSENEED TO THE DEPTH OF 12 INCHES PRIOR TO GRASS SEEDING OR OTHER RESTORATION AT NO COST TO THE OWNER. DECOMPACTION WITHIN THE DRIPLINE OF EXISTING TREES MUST BE DONE BY HAND USING ONLY LIGHT EQUIPMENT SUCH AS AN AIRSPADE OR OTHER METHOD, APPROVED BY THE LANDSCAPE ARCHITECT, WHICH WILL MINIMIZE DAMAGE TO TREE ROOTS. UNDER NO CIRCUMSTANCES MAY HEAVY EQUIPMENT (I.E. PAYLOADERS) BE USED TO ACCOMPLISH SITE RESTORATION WITHIN THE DRIPLINE OF TREES.
13. STOCKPILE OF OFFENSIVE MATERIAL: IF, DURING THE COURSE OF THE CONTRACT, THE CONTRACTOR NEEDS TO STOCKPILE ANY CONSTRUCTION MATERIAL WITHIN THE WORK ZONE WHICH IN THE OPINION OF THE ENGINEER, MAY BE OFFENSIVE IN NATURE TO SENSITIVE RECEPTORS (E.G.: HOMES, PUBLIC PLACES, HOSPITALS, OR SCHOOLS) BECAUSE OF APPEARANCE, ODOR, POTENTIAL FOR AIRBORNE DISBURSEMENT OR HAZARDOUS NATURE, THE CONTRACTOR MUST OBTAIN PERMISSION FROM THE ENGINEER PRIOR TO PLACING THE STOCKPILE. AS A GUIDELINE, NO SUCH STOCKPILING WOULD NORMALLY BE PERMITTED WITHIN 200 FEET OF ANY SENSITIVE RECEPTOR.
14. ASIAN LONGHORN BEETLE: IF WORKING WITHIN AREAS UNDER REGULATION PURSUANT TO 1 NYCRR PART 139 CONTROL OF THE ASIAN LONG-HORNED BEETLE, THE CONTRACTOR, IN HANDLING HOST MATERIAL LIVING, DEAD, CUT OR FALLEN, INCLUSIVE OF NURSERY STOCK, LOGS, GREEN LUMBER, STUMPS, ROOTS, BRANCHES AND DEBRIS OF A HALF INCH OR MORE IN DIAMETER, SHALL COMPLY WITH ALL REQUIREMENTS OF PART 139 INCLUDING CERTIFICATION, MEANING: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY TRAINING AND EXECUTE A COMPLIANCE AGREEMENT WITH THE NYS DEPARTMENT OF AGRICULTURE AND MARKETS. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AN ORIGINAL COPY OF THE FULLY EXECUTED AGREEMENT AND SHALL DISPLAY THE ISSUED IDENTIFICATION STICKERS ON ALL VEHICLES INVOLVED WITH TREE WORK WITHIN THE QUARANTINE AREAS. IN ALL OTHER WORK ZONES, CONTRACTORS ARE ALERTED TO THE POSSIBILITY OF ENCOUNTERING THE ASIAN LONG-HORNED BEETLE AND ARE REQUESTED, IF BEETLES ARE OBSERVED OR SUSPECTED OF BEING PRESENT, TO CONTACT: NYS DEPARTMENT OF AGRICULTURE AND MARKETS, DIVISION OF PLANT INDUSTRY, 4 STEWART AVENUE, WESTHAMPTON BEACH, NY 11978-1103, PHONE: 631-288-1751 OR 800-554-4501 EXT. 72087. MORE INFORMATION ABOUT THE BEETLE AND QUARANTINE LIMITS CAN BE FOUND AT: [WWW.AGMKT.STATE.NY.US/PL/ALB.HTML](http://WWW.AGMKT.STATE.NY.US/PL/ALB.HTML)
15. EMERALD ASH BORER: IF WORKING WITHIN AREAS UNDER REGULATION PURSUANT TO 1 NYCRR PART 141 "CONTROL OF EMERALD ASH BORER", THE CONTRACTOR, IN HANDLING HOST MATERIAL LIVING, DEAD, CUT OR FALLEN, INCLUSIVE OF NURSERY STOCK, LOGS, GREEN LUMBER, STUMPS, ROOTS, BRANCHES AND DEBRIS OF A HALF INCH OR MORE IN DIAMETER, SHALL COMPLY WITH ALL REQUIREMENTS OF PART 141 INCLUDING CERTIFICATION, MEANING: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY TRAINING AND EXECUTE A COMPLIANCE AGREEMENT WITH NYS DEPARTMENT OF AGRICULTURE AND MARKETS. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AN ORIGINAL COPY OF THE FULLY EXECUTED AGREEMENT AND SHALL DISPLAY THE ISSUED IDENTIFICATION STICKERS ON ALL VEHICLES INVOLVED WITH TREE WORK WITHIN THE QUARANTINE AREAS.
16. IN ALL OTHER WORK ZONES, CONTRACTORS ARE ALERTED TO THE POSSIBILITY OF ENCOUNTERING THE EMERALD ASH BORER AND ARE REQUESTED, IF BEETLES ARE OBSERVED OR SUSPECTED OF BEING PRESENT, TO CONTACT: NYS DEPARTMENT OF AGRICULTURE AND MARKETS, DIVISION OF PLANT INDUSTRY, 4 STEWART AVENUE, WESTHAMPTON BEACH, NY 11978-1103, PHONE: 631-288-1751 OR 800-554-4501 EXT. 72087. MORE INFORMATION ABOUT THE BEETLE AND QUARANTINE LIMITS CAN BE FOUND AT: [WWW.AGMKT.STATE.NY.US/PL/ALB.HTML](http://WWW.AGMKT.STATE.NY.US/PL/ALB.HTML)

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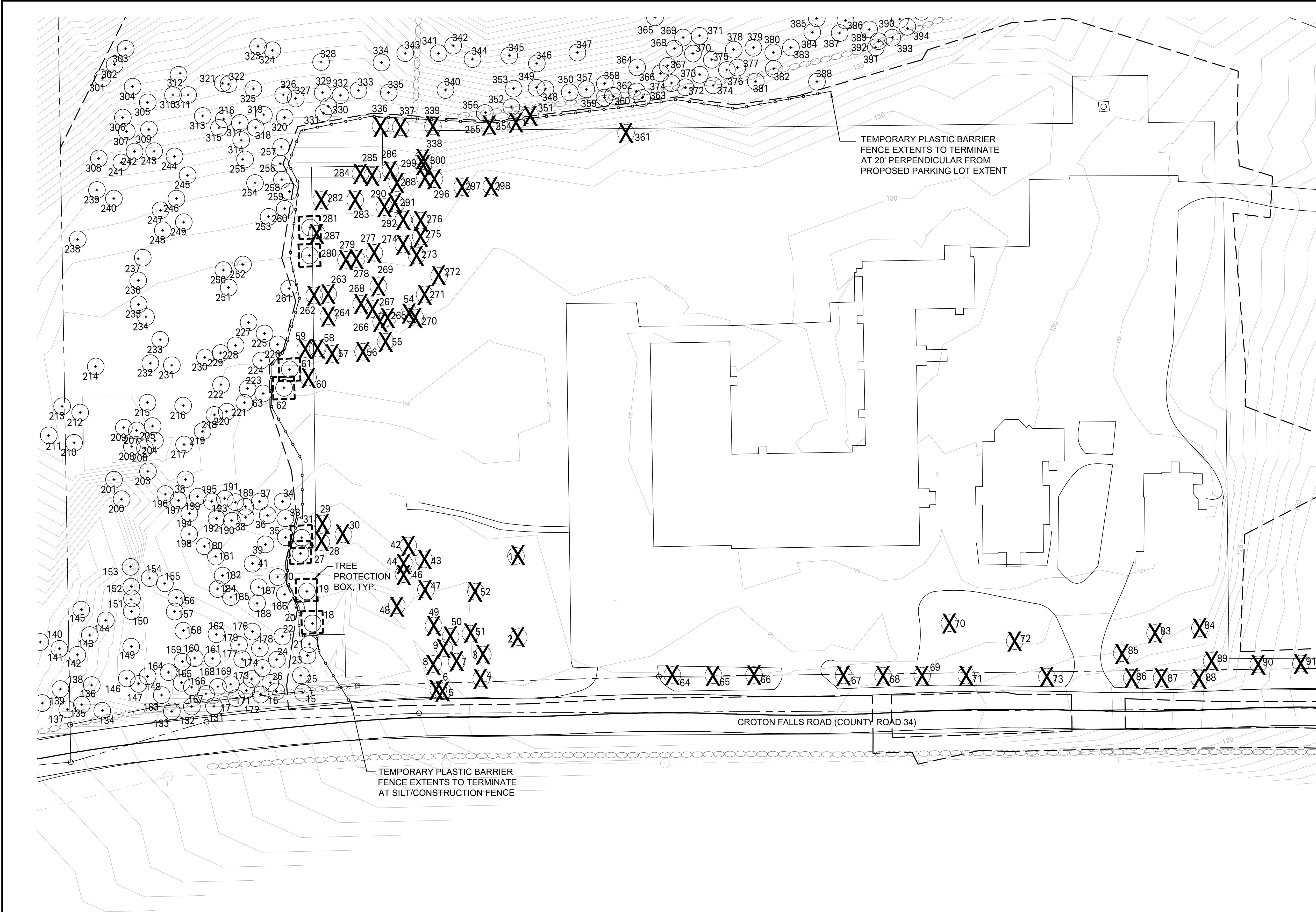
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TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT LANDSCAPE PROTECTION AND REMOVAL NOTES		CONTRACT NO. 142486	
SCALE N.T.S.	DATE 08-21-2020	DRAWING NO. L-001	
SHEET 88 OF 105			



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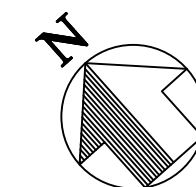
#### LEGEND

- LIMIT OF DISTURBANCE
- TEMPORARY PLASTIC BARRIER FENCE
- TREE PROTECTION FENCE
- XX-- EXISTING TREE NUMBER
- +-- EXISTING TREE TRUNK
- EXISTING TREE
- TREE PROTECTION BOX
- X-- TREE REMOVAL

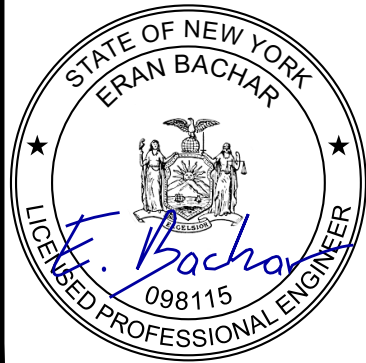
#### NOTES:

- FOR OVERALL CONSTRUCTION FENCING, INCLUDING CHAIN LINK AND SILT FENCE, SEE C-401.
- FOR LANDSCAPE PROTECTION TABLES FOR RECOMMENDED ACTIONS, SEE L-400 TO L-402.
- FOR LANDSCAPE PROTECTION DETAILS, SEE L-500.
- FOR GENERAL LANDSCAPE PROTECTION NOTES, SEE L-001.
- WITHIN 15 FEET OF THE LIMIT OF DISTURBANCE OR AS DIRECTED BY NYCDEP ON CITY PROPERTY, THE PERMITEE SHALL INSTALL PROTECTIVE BARRIERS MADE OF 3/8-INCH-THICK PLYWOOD OR OTHER RIGID MATERIAL ACCEPTABLE TO NYCDEP AROUND ALL TREES GREATER THAN 4 INCHES IN DIAMETER TO REMAIN ON SITE AT COMPLETION OF THE WORK, INCLUDING THOSE ADJACENT TO STORAGE, STAGING OR STOCKPILING AREAS. BARRIERS SHALL BE ADEQUATELY FRAMED AND ANCHORED TO THE GROUND TO WITHSTAND IMPACTS FROM EQUIPMENT. BARRIERS SHALL BE AT LEAST 4 FEET TALL AND 4 FEET WIDE, OR WIDE ENOUGH TO COMPLETELY SHIELD THE AREA TO BE PROTECTED FROM EQUIPMENT ENTRY. BARRIERS SHALL BE PLACED ON THE OPERATIONAL SIDE(S) OF TREES TO REMAIN, WITH TREES CENTERED BEHIND THEM, AND SHALL BE LOCATED AS FAR FROM TREES TO REMAIN AS POSSIBLE. IN NO CASE SHALL BARRIERS BE LOCATED LESS THAN 4 FEET AWAY FROM THE TRUNKS OF TREES TO REMAIN.

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SCALE IN FEET



DESIGNED  
A.L.  
DRAWN  
A.L.  
CHECKED  
T.K.  
APPROVED  
E.B.



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NO. DATE DRWN CHKD APPVD

REVISIONS

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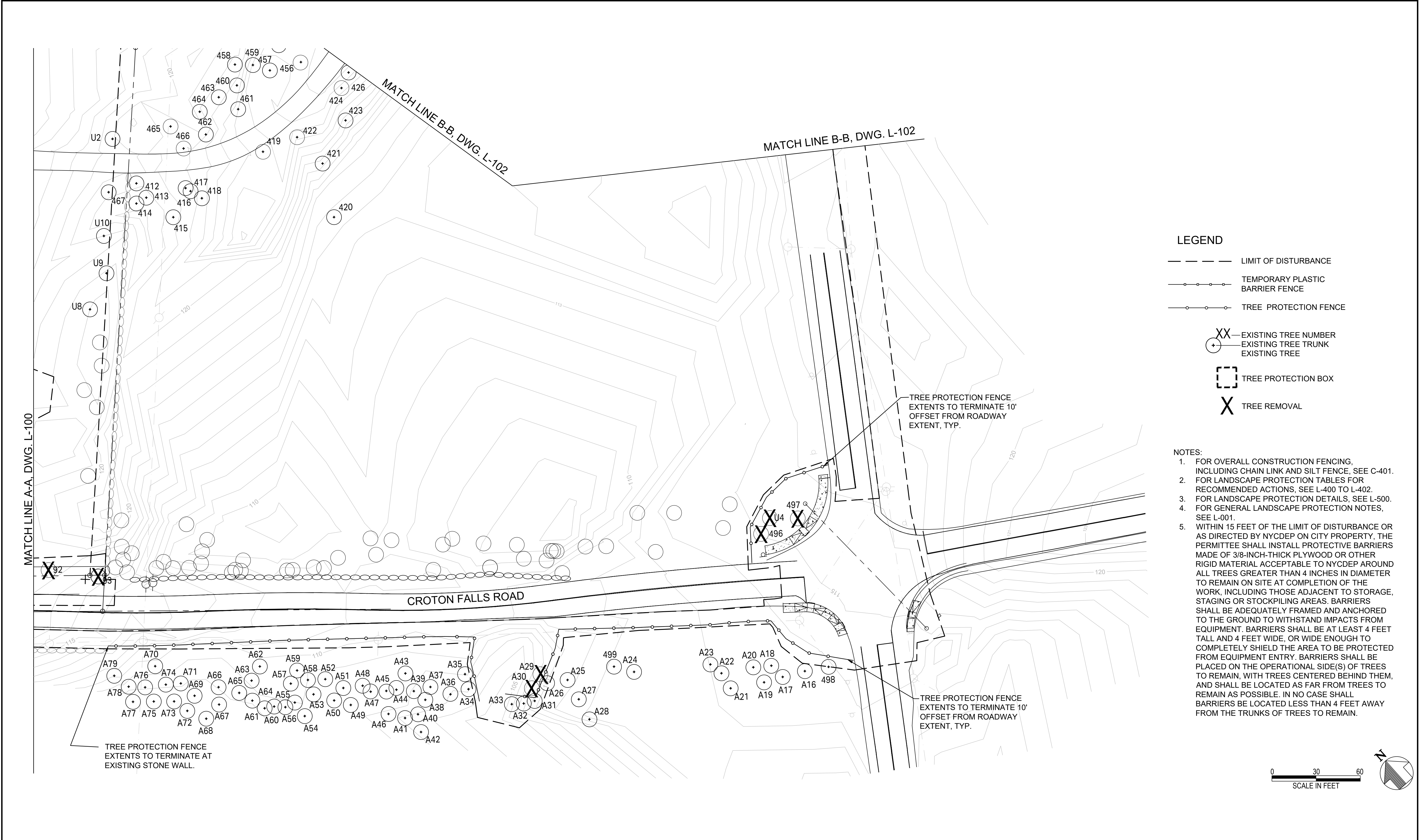
Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL PLAN  
1 OF 3

CONTRACT NO.  
142486  
SCALE  
N.T.S.  
DATE  
05-18-2021  
DRAWING NO.  
L-100  
SHEET 89 OF 105



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LEGEND

- LIMIT OF DISTURBANCE
- TEMPORARY PLASTIC BARRIER FENCE
- TREE PROTECTION FENCE

- XX -- EXISTING TREE NUMBER
- + -- EXISTING TREE TRUNK
- -- EXISTING TREE
- -- TREE PROTECTION BOX
- X -- TREE REMOVAL

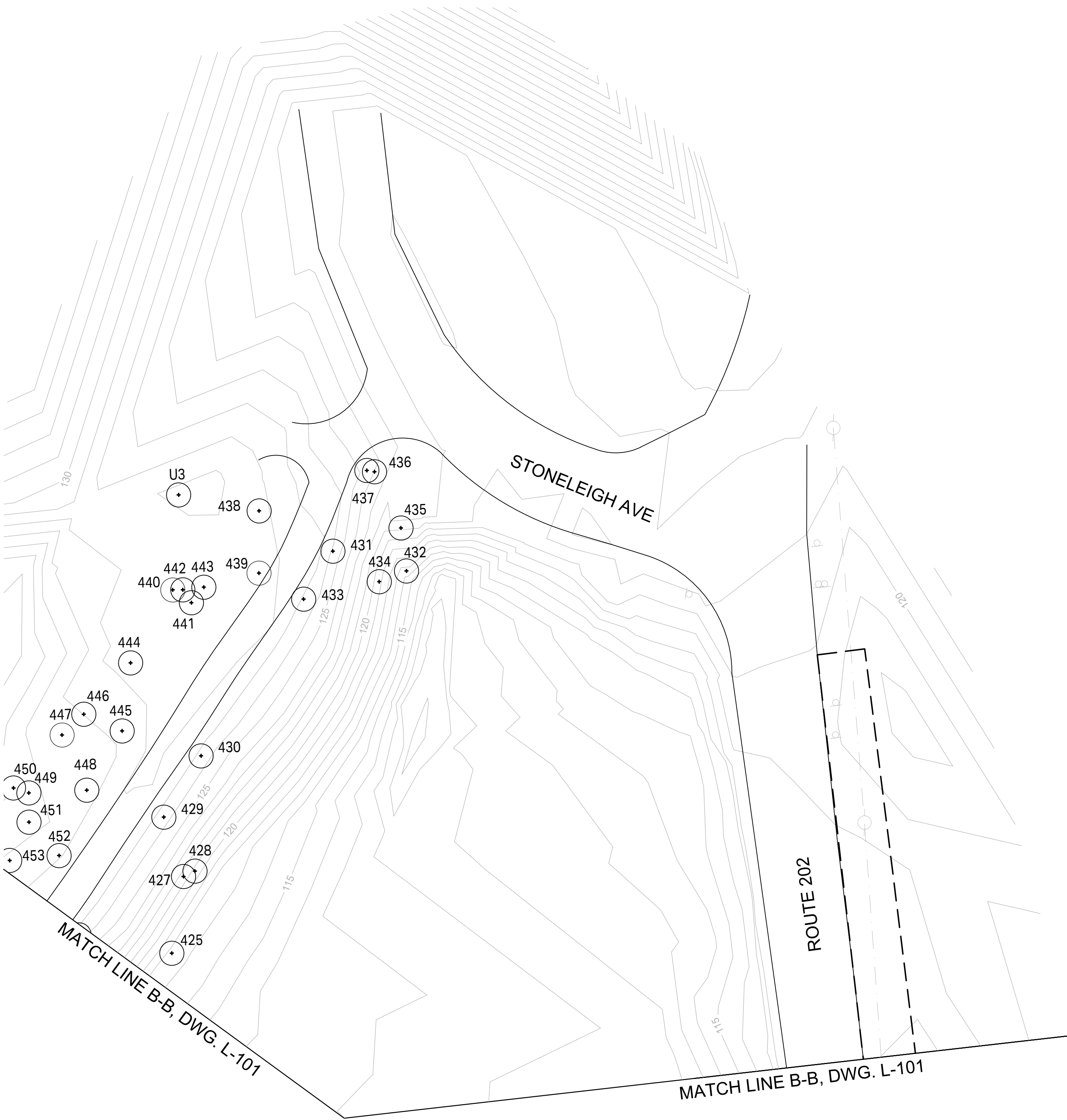
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  - FOR LANDSCAPE PROTECTION DETAILS, SEE L-500.
  - FOR GENERAL LANDSCAPE PROTECTION NOTES, SEE L-001.
  - WITHIN 15 FEET OF THE LIMIT OF DISTURBANCE OR AS DIRECTED BY NYCDEP ON CITY PROPERTY, THE PERMITTEE SHALL INSTALL PROTECTIVE BARRIERS MADE OF 3/8-INCH-THICK PLYWOOD OR OTHER RIGID MATERIAL ACCEPTABLE TO NYCDEP AROUND ALL TREES GREATER THAN 4 INCHES IN DIAMETER TO REMAIN ON SITE AT COMPLETION OF THE WORK, INCLUDING THOSE ADJACENT TO STORAGE, STAGING OR STOCKPILING AREAS. BARRIERS SHALL BE ADEQUATELY FRAMED AND ANCHORED TO THE GROUND TO WITHSTAND IMPACTS FROM EQUIPMENT. BARRIERS SHALL BE AT LEAST 4 FEET TALL AND 4 FEET WIDE, OR WIDE ENOUGH TO COMPLETELY SHIELD THE AREA TO BE PROTECTED FROM EQUIPMENT ENTRY. BARRIERS SHALL BE PLACED ON THE OPERATIONAL SIDE(S) OF TREES TO REMAIN, WITH TREES CENTERED BEHIND THEM, AND SHALL BE LOCATED AS FAR FROM TREES TO REMAIN AS POSSIBLE. IN NO CASE SHALL BARRIERS BE LOCATED LESS THAN 4 FEET AWAY FROM THE TRUNKS OF TREES TO REMAIN.

DESIGNED A.L.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED							TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT LANDSCAPE PROTECTION AND REMOVAL PLAN 2 OF 3	CONTRACT NO. 142486	
DRAWN A.L.											SCALE N.T.S.	DATE 05-18-2021
CHECKED T.K.											DRAWING NO. L-101	
APPROVED E.B.											SHEET 90 OF 105	

NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

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LEGEND

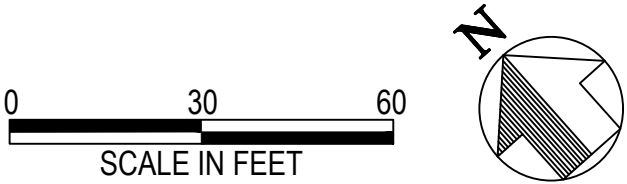
- — — — — LIMIT OF DISTURBANCE
- TEMPORARY PLASTIC BARRIER FENCE
- TREE PROTECTION FENCE

XX—EXISTING TREE NUMBER  
+—EXISTING TREE TRUNK  
○—EXISTING TREE

□ TREE PROTECTION BOX

X TREE REMOVAL

- NOTES:
- FOR OVERALL CONSTRUCTION FENCING, INCLUDING CHAIN LINK AND SILT FENCE, SEE C-401.
  - FOR LANDSCAPE PROTECTION TABLES FOR RECOMMENDED ACTIONS, SEE L-400 TO L-402.
  - FOR LANDSCAPE PROTECTION DETAILS, SEE L-500.
  - FOR GENERAL LANDSCAPE PROTECTION NOTES, SEE L-001.
  - WITHIN 15 FEET OF THE LIMIT OF DISTURBANCE OR AS DIRECTED BY NYCDEP ON CITY PROPERTY, THE PERMITTEE SHALL INSTALL PROTECTIVE BARRIERS MADE OF 3/8-INCH-THICK PLYWOOD OR OTHER RIGID MATERIAL ACCEPTABLE TO NYCDEP AROUND ALL TREES GREATER THAN 4 INCHES IN DIAMETER TO REMAIN ON SITE AT COMPLETION OF THE WORK, INCLUDING THOSE ADJACENT TO STORAGE, STAGING OR STOCKPILING AREAS. BARRIERS SHALL BE ADEQUATELY FRAMED AND ANCHORED TO THE GROUND TO WITHSTAND IMPACTS FROM EQUIPMENT. BARRIERS SHALL BE AT LEAST 4 FEET TALL AND 4 FEET WIDE, OR WIDE ENOUGH TO COMPLETELY SHIELD THE AREA TO BE PROTECTED FROM EQUIPMENT ENTRY. BARRIERS SHALL BE PLACED ON THE OPERATIONAL SIDE(S) OF TREES TO REMAIN, WITH TREES CENTERED BEHIND THEM, AND SHALL BE LOCATED AS FAR FROM TREES TO REMAIN AS POSSIBLE. IN NO CASE SHALL BARRIERS BE LOCATED LESS THAN 4 FEET AWAY FROM THE TRUNKS OF TREES TO REMAIN.



DESIGNED  
A.L.

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A.L.

CHECKED  
T.K.

APPROVED  
E.B.

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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL PLAN  
3 OF 3

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 05-18-2021
DRAWING NO. L-102	
SHEET 91 OF 105	

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TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
1	PINE, EASTERN WHITE	23.6	40.0	X		
2	MAPLE, SUGAR	29.0	50.0	X		
3	ELM, AMERICAN	6.3	20.0	X		
4	MAPLE, SUGAR	5.4	18.0	X		
5	MAPLE, SUGAR	7.8	28.0	X		
6	MAPLE, SUGAR	7.7	28.0	X		
7	MAPLE, SUGAR	5.2	16.0	X		
8	MAPLE, SUGAR	6.4	22.0	X		
9	CHERRY, BLACK	4.7	12.0	X		
15	OAK, BLACK	5.4	18.0			
16	ELM, AMERICAN	5.3	25.0			
17	OAK, BLACK	14.6	30.0			
18	MAPLE, RED	12.8	35.0			X
19	MAPLE, SUGAR	7.2	25.0			X
20	MAPLE, SUGAR	7.4	25.0			
21	OAK, BLACK	7.1	25.0			X
22	MAPLE, SUGAR	9.0	25.0			
23	OAK, BLACK	6.7	25.0			
24	OAK, BLACK	7.2	25.0			
25	ELM, AMERICAN	7.2	28.0			
26	MAPLE, SUGAR	11.4	35.0			
27	CHERRY, BLACK	13.1	35.0			X
28	CHERRY, BLACK	14.0	14.0	X		
29	MAPLE, SUGAR	12.0	35.0	X		
30	MAPLE, SUGAR	9.8	28.0	X		
31	COTTONWOOD, EASTERN	11.1	30.0	X		
33	POPLAR, OTHER	13.3	35.0			
34	POPLAR, OTHER	19.1	35.0			
35	OAK, BLACK	5.4	20.0			
36	OAK, BLACK	6.1	20.0			
37	OAK, BLACK	6.7	20.0			
38	POPLAR, OTHER	23.6	45.0			
39	POPLAR, OTHER	12.3	22.0			
40	ELM, AMERICAN	7.6	10.0			
41	OAK, BLACK	8.8	22.0			
42	CHERRY, BLACK	7.5	25.0	X		
43	CHERRY, BLACK	4.8	15.0	X		
44	POPLAR, OTHER	11.0	25.0	X		
46	CHERRY, BLACK	5.5	15.0	X		
47	CHERRY, BLACK	5.0	15.0	X		
48	CHERRY, BLACK	4.3	18.0	X		
49	MAPLE, SUGAR	19.9	45.0	X		
50	OAK, BLACK	24.0	50.0	X		
51	EASTERN REDCEDAR	8.0	15.0	X		
52	OAK, BLACK	4.7	15.0	X		
54	MAPLE, SUGAR	28.5	50.0	X		
55	MAPLE, SUGAR	13.6	35.0	X		
56	MAPLE, SUGAR	22.4	45.0	X		
57	MAPLE, SUGAR	5.6	20.0	X		
58	MAPLE, SUGAR	14.7	40.0	X		
59	MAPLE, SUGAR	16.1	35.0			X
60	MAPLE, SUGAR	4.1	20.0			X
61	ELM, AMERICAN	4.7	20.0			
62	ELM, AMERICAN	15.1	30.0			
63	MAPLE, SUGAR	22.7	40.0			
64	PEAR, CALLERY	16.1	35.0	X		
65	PEAR, CALLERY	12.4	20.0	X		

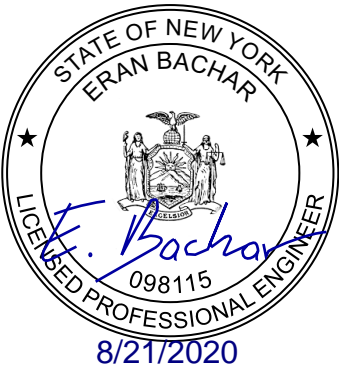
TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
66	PEAR, CALLERY	12.4	25.0	X		
67	PEAR, CALLERY	12.1	25.0	X		
68	PEAR, CALLERY	11.4	22.0	X		
69	PEAR, CALLERY	12.3	22.0	X		
70	CHERRY, OTHER	25.0	50.0	X		
71	PEAR, CALLERY	13.4	25.0	X		
72	MAPLE, JAPANESE	28.0	45.0	X		
73	PEAR, CALLERY	11.2	25.0	X		
83	MAPLE, NORWAY	23.0	35.0	X		
84	MAPLE, NORWAY	22.5	35.0	X		
85	APPLE	9.0	22.0	X		
86	PEAR, CALLERY	11.6	25.0	X		
87	PEAR, CALLERY	8.8	22.0	X		
88	PEAR, CALLERY	12.8	30.0	X		
89	FIR, OTHER	7.1	15.0	X		
90	PEAR, CALLERY	9.8	25.0	X		
91	PEAR, CALLERY	10.1	22.0	X		
92	SPRUCE, OTHER	4.1	12.0	X		
93	MAPLE, SUGAR	35.0	50.0	X		
131	UNKNOWN STUMP	14.6	0.0			
132	HICKORY, OTHER	5.6	22.0			
133	ELM, AMERICAN	28.3	40.0			
134	ASPEN, BIGTOOTH	20.4	40.0			
135	ELM, AMERICAN	9.1	30.0			
136	MAPLE, SUGAR	10.7	25.0			
137	ELM, AMERICAN	9.8	20.0			
138	ASH, OTHER	8.3	20.0			
139	MAPLE, SUGAR	14.3	25.0			
140	BIRCH, SWEET	6.5	20.0			
141	BIRCH, SWEET	6.6	20.0			
142	BIRCH, SWEET	6.7	15.0			
143	MAPLE, SUGAR	17.0	25.0			
144	OAK, NORTHERN RED	6.2	15.0			
145	OAK, BLACK	10.0	15.0			
146	OAK, BLACK	10.8	15.0			
147	OAK, BLACK	8.3	15.0			
148	ASPEN, BIGTOOTH	19.3	30.0			
149	OAK, BLACK	7.9	15.0			
150	MAPLE, SUGAR	6.8	20.0			
151	OAK, BLACK	14.7	25.0			
152	OAK, BLACK	9.4	20.0			
153	OAK, NORTHERN RED	11.2	20.0			
154	OAK, BLACK	9.8	20.0			
155	OAK, BLACK	7.7	15.0			
156	OAK, BLACK	21.2	40.0			
157	OAK, BLACK	17.9	30.0			
158	OAK, BLACK	5.8	15.0			
159	OAK, BLACK	6.7	15.0			
160	OAK, BLACK	15.1	25.0			
161	UNKNOWN	7.9	20.0			
162	MAPLE, SUGAR	10.3	20.0			
163	MAPLE, RED	12.0	20.0			
164	OAK, BLACK	6.3	15.0			
165	OAK, BLACK	14.4	20.0			
166	MAPLE, RED	6.7	20.0			
167	ASPEN, BIGTOOTH	11.7	25.0			
168	OAK, BLACK	7.6	15.0			

DESIGNED  
A.L.

DRAWN  
A.L.

CHECKED  
T.K.

APPROVED  
E.B.



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NO.	DATE		DRWN	CHKD	APPVD	
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TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL TABLE  
1 OF 5

CONTRACT NO.  
142486

SCALE  
N.T.S.

DATE  
08-21-2020

DRAWING NO.  
L-400  
SHEET 92 OF 105

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TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
169	OAK, BLACK	18.7	30.0			
171	OAK, BLACK	7.5	20.0			
172	OAK, BLACK	16.0	20.0			
173	ASPEN, BIGTOOTH	15.7	25.0			
174	MAPLE, SUGAR	10.0	25.0			
175	CHERRY, BLACK	9.5	20.0			
176	OAK, BLACK	15.5	30.0			
177	ASPEN, BIGTOOTH	11.4	0.0			
178	MAPLE, RED	6.3	20.0			
179	MAPLE, RED	7.7	20.0			
180	MAPLE, RED	7.2	20.0			
181	MAPLE, RED	7.2	20.0			
182	OAK, BLACK	14.5	25.0			
183	ELM, AMERICAN	13.1	20.0			
184	MAPLE, RED	11.0	20.0			
185	MAPLE, RED	13.5	25.0			
186	OAK, BLACK	22.3	35.0			
187	OAK, BLACK	8.5	20.0			
188	MAPLE, SUGAR	6.2	20.0			
189	MAPLE, SUGAR	8.2	25.0			
190	PINE, EASTERN WHITE	6.5	15.0			
191	MAPLE, RED	7.4	15.0			
192	MAPLE, RED	10.5	15.0			
193	MAPLE, RED	7.1	15.0			
194	MAPLE, RED	6.6	20.0			
195	MAPLE, RED	15.0	25.0			
196	PINE, EASTERN WHITE	9.0	20.0			
197	OAK, BLACK	9.2	0.0			
198	MAPLE, RED	5.7	17.0			
199	CHERRY, BLACK	6.8	0.0			
200	COTTONWOOD, EASTERN	23.5	50.0			
201	MAPLE, SUGAR	8.5	25.0			
202	MAPLE, SUGAR	14.1	25.0			
203	MAPLE, RED	9.7	20.0			
204	ELM, AMERICAN	13.2	35.0			
205	MAPLE, SUGAR	11.5	25.0			
206	MAPLE, SUGAR	8.3	20.0			
207	MAPLE, SUGAR	8.0	20.0			
208	MAPLE, RED	11.1	20.0			
209	MAPLE, RED	15.2	35.0			
210	MAPLE, SUGAR	12.0	25.0			
211	MAPLE, SUGAR	10.3	20.0			
212	MAPLE, SUGAR	8.8	20.0			
213	OAK, BLACK	22.3	50.0			
214	MAPLE, SUGAR	17.0	30.0			
215	MAPLE, RED	24.0	40.0			
216	MAPLE, SUGAR	8.0	20.0			
217	CHERRY, BLACK	31.0	50.0			
218	MAPLE, SUGAR	21.5	50.0			
219	MAPLE, SUGAR	7.5	20.0			
220	ELM, AMERICAN	9.0	20.0			
221	ELM, AMERICAN	13.7	25.0			
222	ELM, AMERICAN	7.4	20.0			
223	MAPLE, SUGAR	14.6	25.0			
224	UNKNOWN	6.0	0.0			
225	MAPLE, SUGAR	6.3	15.0			
226	MAPLE, SUGAR	15.1	25.0			

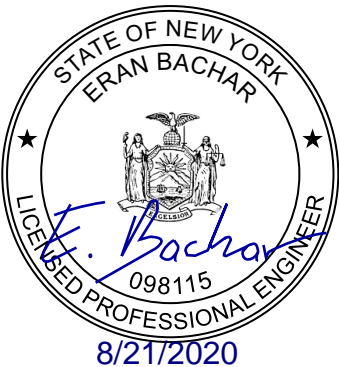
TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
227	MAPLE, SUGAR	12.3	25.0			
228	MAPLE, RED	9.5	20.0			
229	MAPLE, SUGAR	9.5	20.0			
230	MAPLE, SUGAR	11.5	25.0			
231	MAPLE, SUGAR	13.0	0.0			
232	MAPLE, SUGAR	7.1	0.0			
233	MAPLE, RED	13.7	25.0			
234	MAPLE, SUGAR	11.3	25.0			
235	MAPLE, SUGAR	23.5	35.0			
236	MAPLE, RED	23.3	40.0			
237	ELM, AMERICAN	12.0	25.0			
238	HICKORY, PIGNUT	18.0	30.0			
239	MAPLE, SUGAR	26.5	50.0			
240	MAPLE, SUGAR	7.5	20.0			
241	MAPLE, RED	24.0	30.0			
242	MAPLE, SUGAR	7.8	20.0			
243	MAPLE, RED	16.4	25.0			
244	MAPLE, SUGAR	8.0	20.0			
245	MAPLE, SUGAR	18.5	30.0			
246	ELM, AMERICAN	12.7	25.0			
247	CHERRY, BLACK	13.9	0.0			
248	MAPLE, SUGAR	12.3	25.0			
249	MAPLE, SUGAR	14.7	30.0			
250	MAPLE, SUGAR	14.3	30.0			
251	MAPLE, SUGAR	15.5	30.0			
252	UNKNOWN	11.5	20.0			
253	MAPLE, RED	30.0	45.0			
254	MAPLE, RED	12.0	25.0			
255	MAPLE, SUGAR	16.8	25.0	X		
256	MAPLE, SUGAR	17.0	35.0			
257	MAPLE, SUGAR	6.4	0.0			
258	MAPLE, SUGAR	6.8	0.0			
259	UNKNOWN	20.0	30.0			
260	MAPLE, SUGAR	6.8	20.0			
261	ELM, AMERICAN	20.2	45.0			X
262	MAPLE, SUGAR	15.1	30.0	X		
263	MAPLE, SUGAR	10.8	20.0	X		
264	MAPLE, SUGAR	19.8	35.0	X		
265	MAPLE, SUGAR	14.2	25.0	X		
266	MAPLE, SUGAR	8.2	15.0	X		
267	MAPLE, SUGAR	10.7	20.0	X		
268	MAPLE, SUGAR	13.3	25.0	X		
269	MAPLE, SUGAR	13.8	30.0	X		
270	ELM, AMERICAN	9.6	25.0	X		
271	MAPLE, SUGAR	10.2	20.0	X		
272	ELM, AMERICAN	6.4	25.0	X		
273	MAPLE, SUGAR	21.3	40.0	X		
274	MAPLE, SUGAR	15.5	35.0	X		
275	MAPLE, SUGAR	19.6	40.0	X		
276	MAPLE, SUGAR	19.4	45.0	X		
277	MAPLE, SUGAR	11.9	25.0	X		
278	MAPLE, SUGAR	9.2	15.0	X		
279	MAPLE, SUGAR	10.7	20.0	X		
280	MAPLE, SUGAR	15.8	30.0			X
281	MAPLE, SUGAR	14.5	30.0			X
282	MAPLE, SUGAR	14.5	35.0	X		
283	MAPLE, SUGAR	6.5	20.0	X		

DESIGNED  
A.L.

DRAWN  
A.L.

CHECKED  
T.K.

APPROVED  
E.B.



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			CONFORMED			
NO.	DATE		DRWN	CHKD	APPVD	
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TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL TABLE  
2 OF 5

CONTRACT NO.  
142486

SCALE  
N.T.S.

DATE  
08-21-2020

DRAWING NO.  
L-401  
SHEET 93 OF 105

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TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
284	MAPLE, RED	22.5	40.0	X		
285	MAPLE, SUGAR	4.2	30.0	X		
286	MAPLE, SUGAR	6.8	15.0	X		
287	MAPLE, SUGAR	9.2	20.0	X		
288	MAPLE, SUGAR	7.8	20.0	X		
289	MAPLE, SUGAR	15.5	25.0	X		
290	MAPLE, SUGAR	15.5	30.0	X		
291	MAPLE, SUGAR	8.0	0.0	X		
292	MAPLE, SUGAR	11.7	20.0	X		
293	MAPLE, SUGAR	6.9	20.0	X		
294	MAPLE, RED	12.3	25.0	X		
295	MAPLE, SUGAR	7.5	20.0	X		
296	MAPLE, SUGAR	26.0	40.0	X		
297	ELM, AMERICAN	6.8	30.0	X		
298	MAPLE, SUGAR	5.6	30.0	X		
299	MAPLE, SUGAR	7.0	20.0	X		
300	ELM, AMERICAN	10.2	25.0	X		
301	UNKNOWN SHAFT	19.5	0.0			
302	OAK, WHITE	22.5	35.0			
303	HICKORY, PIGNUT	9.7	25.0			
304	MAPLE, SUGAR	13.7	25.0			
305	MAPLE, SUGAR	21.5	30.0			
306	MAPLE, RED	23.0	40.0			
307	MAPLE, SUGAR	6.6	20.0			
308	MAPLE, SUGAR	15.8	30.0			
309	MAPLE, SUGAR	6.9	20.0			
310	UNKNOWN SHAFT	9.4	25.0			
311	MAPLE, SUGAR	22.0	45.0			
312	MAPLE, SUGAR	8.4	30.0			
313	HICKORY, PIGNUT	14.2	25.0			
314	MAPLE, SUGAR	6.3	20.0			
315	ELM, AMERICAN	19.6	35.0			
316	MAPLE, SUGAR	18.2	30.0			
317	MAPLE, SUGAR	8.7	25.0			
318	UNKNOWN SHAFT	6.3	0.0			
319	MAPLE, SUGAR	12.2	30.0			
320	MAPLE, SUGAR	16.7	30.0			
321	MAPLE, SUGAR	14.5	30.0			
322	MAPLE, SUGAR	7.4	20.0			
323	MAPLE, RED	16.3	25.0			
324	MAPLE, SUGAR	9.3	25.0			
325	ELM, AMERICAN	14.5	35.0			
326	MAPLE, SUGAR	14.8	30.0			
327	ELM, AMERICAN	17.0	35.0			
328	MAPLE, SUGAR	11.3	25.0			
329	MAPLE, SUGAR	9.2	20.0			
330	MAPLE, RED	12.5	25.0			
331	MAPLE, SUGAR	8.8	20.0			
332	CHERRY, BLACK	17.3	25.0			
333	UNKNOWN	13.2	25.0			
334	MAPLE, SUGAR	10.6	20.0			
335	MAPLE, RED	10.7	20.0			
336	MAPLE, SUGAR	14.3	25.0	X		
337	MAPLE, SUGAR	11.0	30.0	X		
338	MAPLE, SUGAR	6.4	20.0	X		
339	MAPLE, SUGAR	6.0	20.0	X		
340	OAK, BLACK	39.0	50.0			

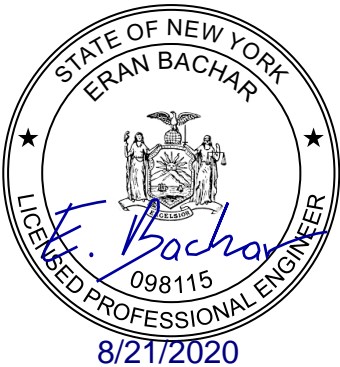
TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
341	MAPLE, SUGAR	10.5	30.0			
342	MAPLE, SUGAR	14.0	30.0			
343	MAPLE, SUGAR	6.0	20.0			
344	OAK, NORTHERN RED	10.5	20.0			
345	OAK, BLACK	10.1	25.0			
346	HICKORY, PIGNUT	12.4	30.0			
347	HICKORY, PIGNUT	10.1	25.0			
348	MAPLE, SUGAR	11.2	25.0			
349	HICKORY, PIGNUT	12.0	25.0			
350	UNKNOWN SHAFT	17.2	0.0			
351	UNKNOWN	9.9	30.0	X		
352	MAPLE, SUGAR	6.8	20.0			
353	OAK, BLACK	21.0	40.0			
354	MAPLE, SUGAR	12.8	25.0	X		
355	MAPLE, SUGAR	8.6	25.0			
356	MAPLE, SUGAR	15.8	30.0			
357	HICKORY, PIGNUT	12.3	30.0			
358	HICKORY, PIGNUT	17.0	30.0			
359	OAK, NORTHERN RED	6.7	25.0			
360	ELM, AMERICAN	8.4	20.0			
361	OAK, NORTHERN RED	6.2	15.0	X		
362	ELM, AMERICAN	7.9	20.0			
363	OAK, BLACK	15.3	30.0			
364	UNKNOWN SHAFT	8.5	0.0			
365	MAPLE, SUGAR	8.1	25.0			
366	MAPLE, SUGAR	8.6	25.0			
367	MAPLE, SUGAR	7.8	25.0			
368	MAPLE, SUGAR	13.5	30.0			
369	MAPLE, SUGAR	6.8	20.0			
370	MAPLE, SUGAR	8.7	20.0			
371	MAPLE, SUGAR	7.9	20.0			
372	ELM, AMERICAN	13.9	30.0			
373	MAPLE, SUGAR	20.1	40.0			
374	ELM, AMERICAN	6.2	30.0			
375	MAPLE, SUGAR	7.8	20.0			
376	MAPLE, SUGAR	11.0	25.0			
377	MAPLE, SUGAR	15.9	35.0			
378	MAPLE, SUGAR	6.1	20.0			
379	MAPLE, SUGAR	13.5	25.0			
380	OAK, BLACK	22.8	40.0			
381	OAK, NORTHERN RED	15.3	30.0			
382	ELM, AMERICAN	16.1	30.0			
383	ELM, AMERICAN	6.6	20.0			
384	MAPLE, SUGAR	19.0	35.0			
385	MAPLE, SUGAR	11.0	20.0			
386	MAPLE, SUGAR	6.1	20.0			
387	MAPLE, SUGAR	10.9	25.0			
388	CHERRY, BLACK	22.0	25.0			
389	MAPLE, SUGAR	12.2	25.0			
390	MAPLE, SUGAR	13.9	25.0			
391	MAPLE, RED	6.6	20.0			
392	BIRCH, SWEET	6.1	20.0			
393	HICKORY, PIGNUT	7.2	15.0			
394	MAPLE, SUGAR	8.4	20.0			
395	ASH, GREEN	12.5	0.0			
396	OAK, NORTHERN RED	35.0	40.0			
397	MAPLE, SUGAR	10.9	20.0			

DESIGNED  
A.L.

DRAWN  
A.L.


CHECKED  
T.K.


APPROVED  
E.B.



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			CONFORMED			
NO.	DATE		DRWN	CHKD	APPVD	
REVISIONS						





TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL TABLE  
3 OF 5

CONTRACT NO.  
142486  
SCALE  
N.T.S.  
DATE  
08-21-2020  
DRAWING NO.  
L-402  
SHEET 94 OF 105

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TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
398	MAPLE, SUGAR	7.3	20.0			
399	MAPLE, SUGAR	8.5	20.0			
400	MAPLE, SUGAR	11.6	25.0			
401	MAPLE, SUGAR	7.0	20.0			
402	MAPLE, SUGAR	8.4	20.0			
403	MAPLE, SUGAR	12.4	25.0			
404	MAPLE, SUGAR	14.0	30.0			
405	MAPLE, SUGAR	13.4	30.0			
406	MAPLE, SUGAR	16.3	35.0			
407	MAPLE, SUGAR	8.4	20.0			
408	MAPLE, SUGAR	10.1	25.0			
409	MAPLE, SUGAR	8.3	20.0			
410	MAPLE, SUGAR	10.0	25.0			
411	MAPLE, SUGAR	24.4	35.0			
U2	ELM, AMERICAN	10.2	20.0			
412	OAK, NORTHERN RED	37.0	50.0			X
413	MAPLE, SUGAR	6.8	20.0			
414	MAPLE, SUGAR	8.8	20.0			
415	MAPLE, SUGAR	14.0	30.0			
416	MAPLE, SUGAR	10.4	25.0			
417	MAPLE, SUGAR	10.8	25.0			
418	MAPLE, SUGAR	15.7	35.0			
419	MAPLE, SUGAR (DEAD)	28.0	0.0			
420	MAPLE, SUGAR	25.7	60.0			
421	MAPLE, SUGAR	27.4	60.0			
422	BLACK LOCUST	26.5	0.0			
423	MAPLE, SUGAR	29.5	60.0			X
424	MAPLE, SUGAR	22.0	25.0			
425	MAGNOLIA, OTHER	45.0	60.0			
426	MAPLE, SUGAR	33.0	60.0			
427	MAPLE, SUGAR	6.8	25.0			X
428	MAPLE, SUGAR	8.1	25.0			X
429	MAPLE, SUGAR	35.0	35.0			
430	MAPLE, SUGAR	34.0	60.0			
431	MAPLE, SUGAR	8.7	25.0			
432	MAPLE, SUGAR	28.8	60.0			
433	SPRUCE, NORWAY	27.5	30.0			
434	MAPLE, SUGAR	6.4	30.0			
435	BLACK LOCUST	9.3	20.0			
436	HICKORY, PIGNUT	10.9	25.0			
437	MAPLE, SUGAR	22.0	60.0			
438	MAPLE, SUGAR	14.0	40.0			
439	MAPLE, SUGAR	11.2	30.0			
U3	MAPLE, SUGAR	12.0				
440	ASH, GREEN	17.9	35.0			
441	MAPLE, SUGAR	14.2	30.0			
442	MAPLE, SUGAR	9.2	20.0			
443	MAPLE, SUGAR	14.6	30.0			
444	MAPLE, SUGAR	20.4	40.0			
445	MAPLE, SUGAR	8.0	20.0			
446	MAPLE, SUGAR	9.0	25.0			
447	ASH, GREEN	20.6	0.0			
448	MAPLE, SUGAR	9.3	25.0			X
449	MAPLE, SUGAR	7.6	25.0			
450	BLACK LOCUST	22.8	30.0			
451	BLACK LOCUST	16.2	20.0			
452	MAPLE, SUGAR	18.2	35.0			

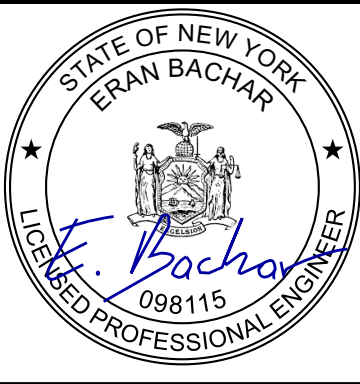
TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
453	OAK, NORTHERN RED	34.0	60.0			
454	MAPLE, SUGAR	6.7	20.0			
455	MAPLE, SUGAR	7.1	20.0			
456	BLACK LOCUST	32.0	0.0			
457	MAPLE, SUGAR	6.1	20.0			X
458	MAPLE, SUGAR	11.8	25.0			
459	BLACK LOCUST	30.0	30.0			
460	MAPLE, SUGAR	32.0	60.0			
461	MAPLE, SUGAR	16.9	35.0			X
462	MAPLE, SUGAR	18.8	35.0			X
463	MAPLE, SUGAR	19.0	30.0			
464	MAPLE, SUGAR	14.1	30.0			
465	MAPLE, SUGAR	7.0	0.0			
466	MAPLE, SUGAR	9.8	25.0			
467	MAPLE, SUGAR	7.9	25.0			
496	HICKORY, OTHER	8.1	20.0			
U4	UNKNOWN LIVE TREES	6.0	20.0			
497	MAPLE, SUGAR	15.0	40.0			
498	MAPLE, SUGAR	36.0	70.0			
499	MAPLE, RED	15.1	30.0			
U5	ELM, AMERICAN	24.4	50.0			
U6	MAPLE, SUGAR	16.5	40.0			
U7	MAPLE, SUGAR	6.0	25.0			
U8	MAPLE, SUGAR	17.4	30.0			
U9	MAPLE, SUGAR	11.7	25.0			
U10	ELM, AMERICAN	17.5	30.0			
A16	MAPLE, SUGAR	4.0	15.0			
A17	MAPLE, SUGAR	9.2	22.0			
A18	MAPLE, SUGAR	9.7	25.0			
A19	MAPLE, SUGAR	6.0	20.0			
A20	MAPLE, SUGAR	11.3	28.0			
A21	MAPLE, SUGAR	5.3	18.0			
A22	BLACK LOCUST	15.3	22.0			
A23	CHERRY, BLACK	5.0	15.0			
A24	ASH, GREEN	11.0	10.0			
A25	MAPLE, SUGAR	5.0	18.0			
A26	MAPLE, SUGAR	13.5	28.0			X
A27	ELM, AMERICAN	7.3	15.0			
A28	CHERRY, BLACK	22.0	45.0			
A29	MAPLE, SUGAR	7.1	18.0			
A30	MAPLE, SUGAR	7.8	18.0			
A31	MAPLE, SUGAR	8.2	25.0			X
A32	MAPLE, SUGAR	5.0	22.0			X
A33	AMERICAN SYCAMORE	36.0	60.0			X
A34	MAPLE, SUGAR	13.3	40.0			X
A35	UNKNOWN DEAD TREES	10.5	0.0			
A36	ELM, AMERICAN	10.2	22.0			
A37	BLACK LOCUST	15.1	20.0			
A38	ASH, GREEN	14.0	15.0			
A39	MAPLE, RED	21.0	15.0			
A40	ELM, AMERICAN	12.0	25.0			
A41	ASH, GREEN	11.3	20.0			

DESIGNED  
A.L.

DRAWN  
A.L.

CHECKED  
T.K.

APPROVED  
E.B.



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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL TABLE  
4 OF 5

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 05-18-2021
DRAWING NO. L-403	
SHEET 95 OF 105	

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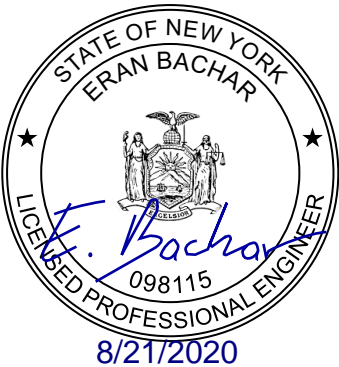
TREE #	SPECIES	DBH (in.)	CROWN DIAMETER (ft.)	REMOVAL (DESIGN)	REMOVAL (CONDITION)	PRUNING
A42	ASH, GREEN	11.4	23.0			
A43	MAPLE, SUGAR	4.1	20.0			
A44	MAPLE, RED	12.0	30.0			
A45	BLACK LOCUST	12.3	12.0			
A46	ELM, AMERICAN	5.8	22.0			
A47	BLACK LOCUST	17.3	28.0			
A48	MAPLE, SUGAR	9.0	25.0			
A49	MAPLE, RED	9.8	28.0			
A50	MAPLE, SUGAR	6.0	18.0			
A51	BLACK LOCUST	18.3	28.0			
A52	UNKNOWN STUMP	22.7	20.0			
A53	MAPLE, SUGAR	10.3	25.0			
A54	BLACK LOCUST	11.8	18.0			
A55	MAPLE, SUGAR	6.6	18.0			
A56	BLACK LOCUST	13.2	25.0			
A57	BLACK LOCUST	14.5	22.0			
A58	MAPLE, SUGAR	10.5	28.0			
A59	MAPLE, SUGAR	4.2	18.0			
A60	BLACK LOCUST	8.2	18.0			
A61	BLACK LOCUST	13.6	15.0			
A62	MAPLE, SUGAR	12.5	28.0			
A63	MAPLE, SUGAR	6.0	20.0			
A64	MAPLE, SUGAR	9.4	22.0			
A65	MAPLE, SUGAR	9.7	25.0			
A66	MAPLE, SUGAR	10.0	25.0			
A67	BLACK LOCUST	17.7	23.0			
A68	BLACK LOCUST	13.2	22.0			
A69	BLACK LOCUST	13.5	18.0			
A70	MAPLE, SUGAR	5.1	18.0			
A71	MAPLE, SUGAR	4.5	20.0			
A72	MAPLE, SUGAR	11.2	28.0			
A73	ASH, GREEN	18.8	20.0			
A74	MAPLE, SUGAR	4.9	15.0			
A75	ELM, AMERICAN	12.5	25.0			
A76	ELM, AMERICAN	7.3	0.0			
A77	BLACK LOCUST	17.5	25.0			
A78	MAPLE, SUGAR	8.1	25.0			
A79	MAPLE, SUGAR	11.5	25.0			

DESIGNED  
A.L.

DRAWN  
A.L.

CHECKED  
T.K.


APPROVED  
E.B.



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			CONFORMED			
NO.	DATE		DRWN	CHKD	APPVD	
REVISIONS						





TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

LANDSCAPE PROTECTION  
AND REMOVAL TABLE  
5 OF 5

CONTRACT NO.  
142486

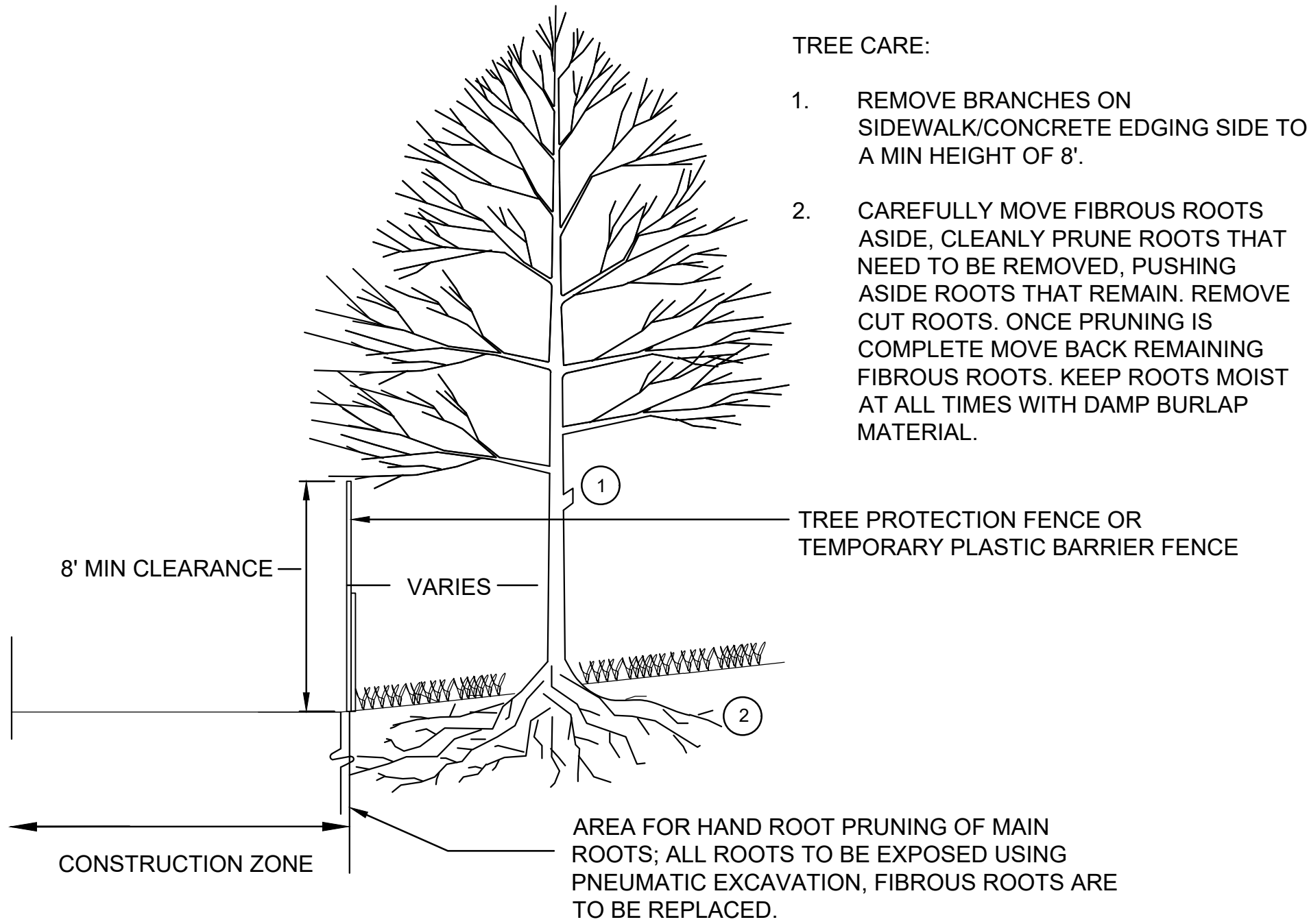
SCALE  
N.T.S.

DATE  
08-21-2020

DRAWING NO.  
L-404

SHEET 96 OF 105

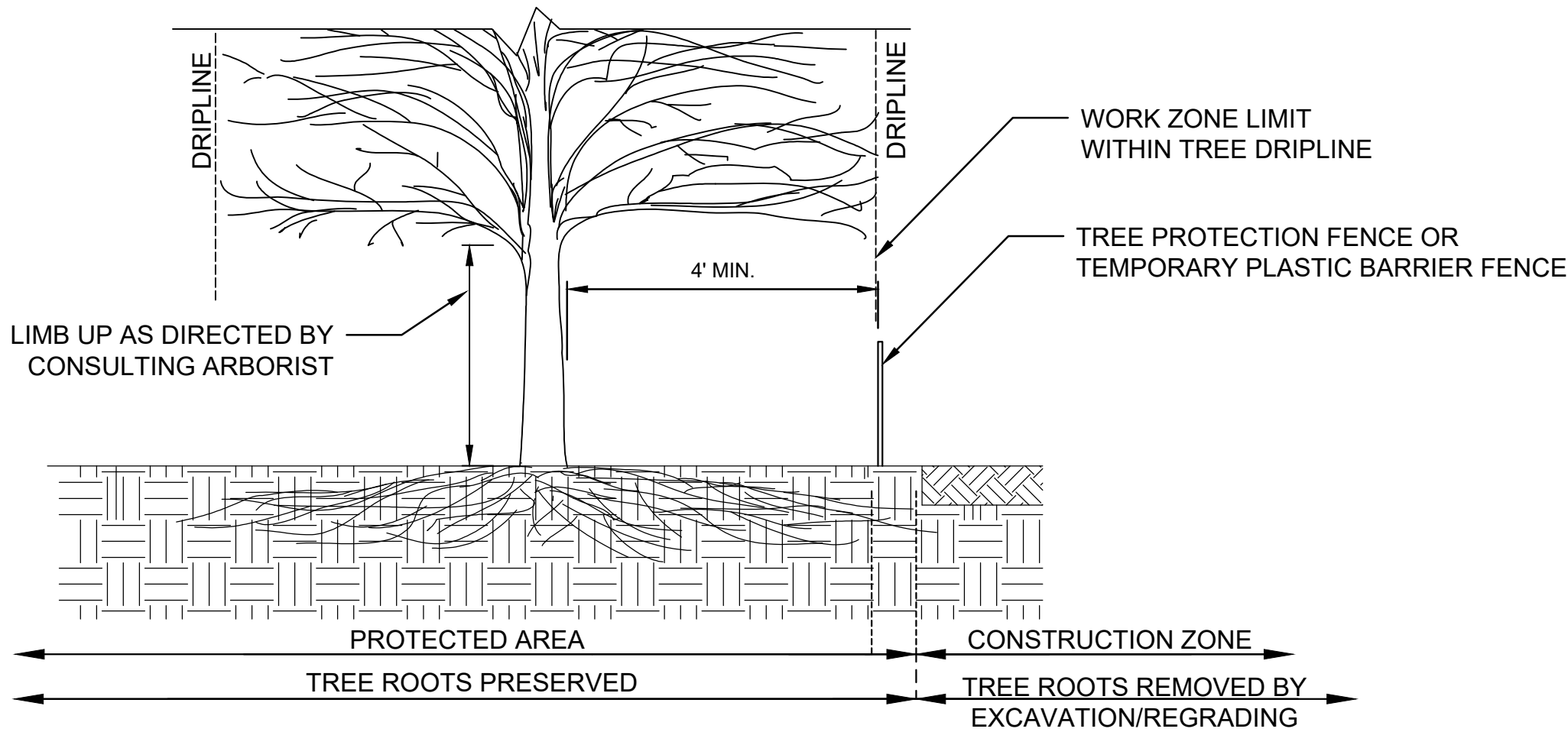




### TREE CARE

NTS

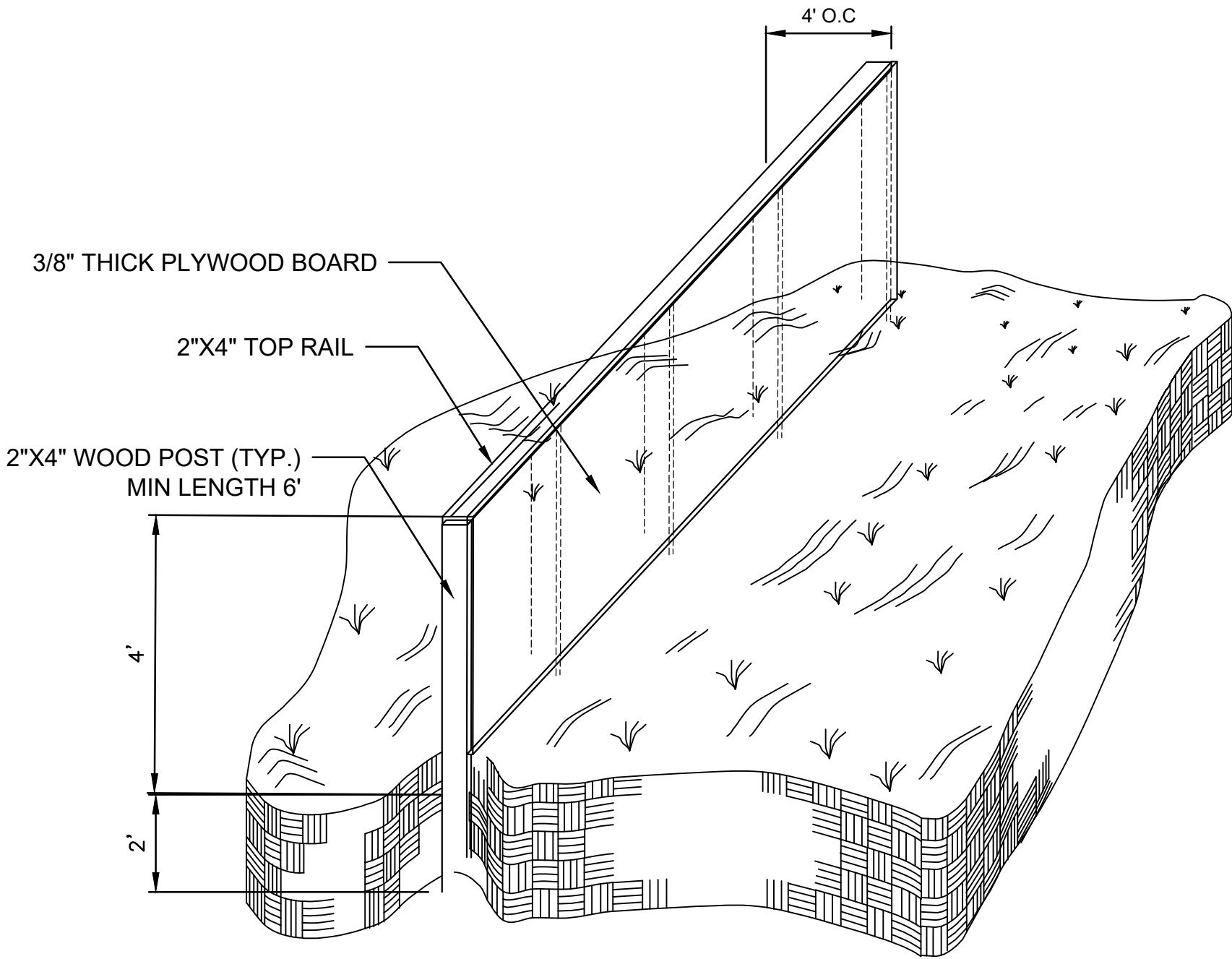
- NOTES:
- ALL TREE CARE WORK MUST BE PERFORMED UNDER THE SUPERVISION OF THE CONSULTING ARBORIST.
  - DO NOT CUT OR DAMAGE LEADER. PRUNE DAMAGED OR DEAD WOOD AS INDICATED ON LANDSCAPE PROTECTION TABLE.
  - PRUNING SHALL BE DONE ONLY TO REMOVE DEAD LIMBS THAT POSE A HAZARD OR TO GAIN THE DESIRED 8' MIN CLEARANCE.



### TREE PROTECTION FENCE LAYOUT

NTS

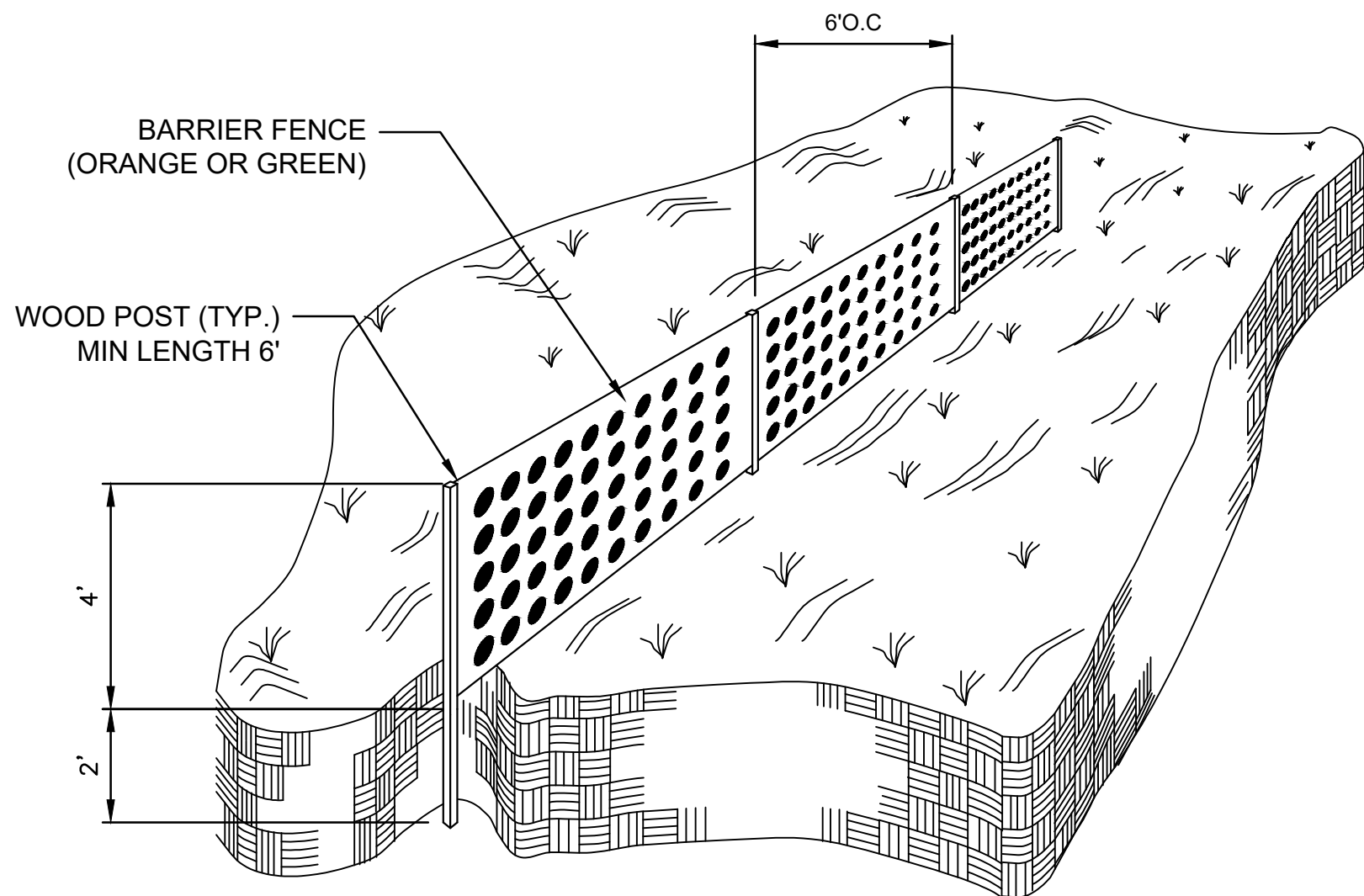
- NOTE:
- TREE PROTECTION MATERIALS SHALL BE REMOVED AFTER CONSTRUCTION WORK IN THIS AREA IS COMPLETE AND ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE REMOVAL OF ALL PROTECTIVE MATERIALS MUST BE SUPERVISED BY THE CONSULTING ARBORIST AS ORDERED BY ENGINEER.



### TREE PROTECTION FENCE (TYPICAL ISOMETRIC VIEW)

NOTES:

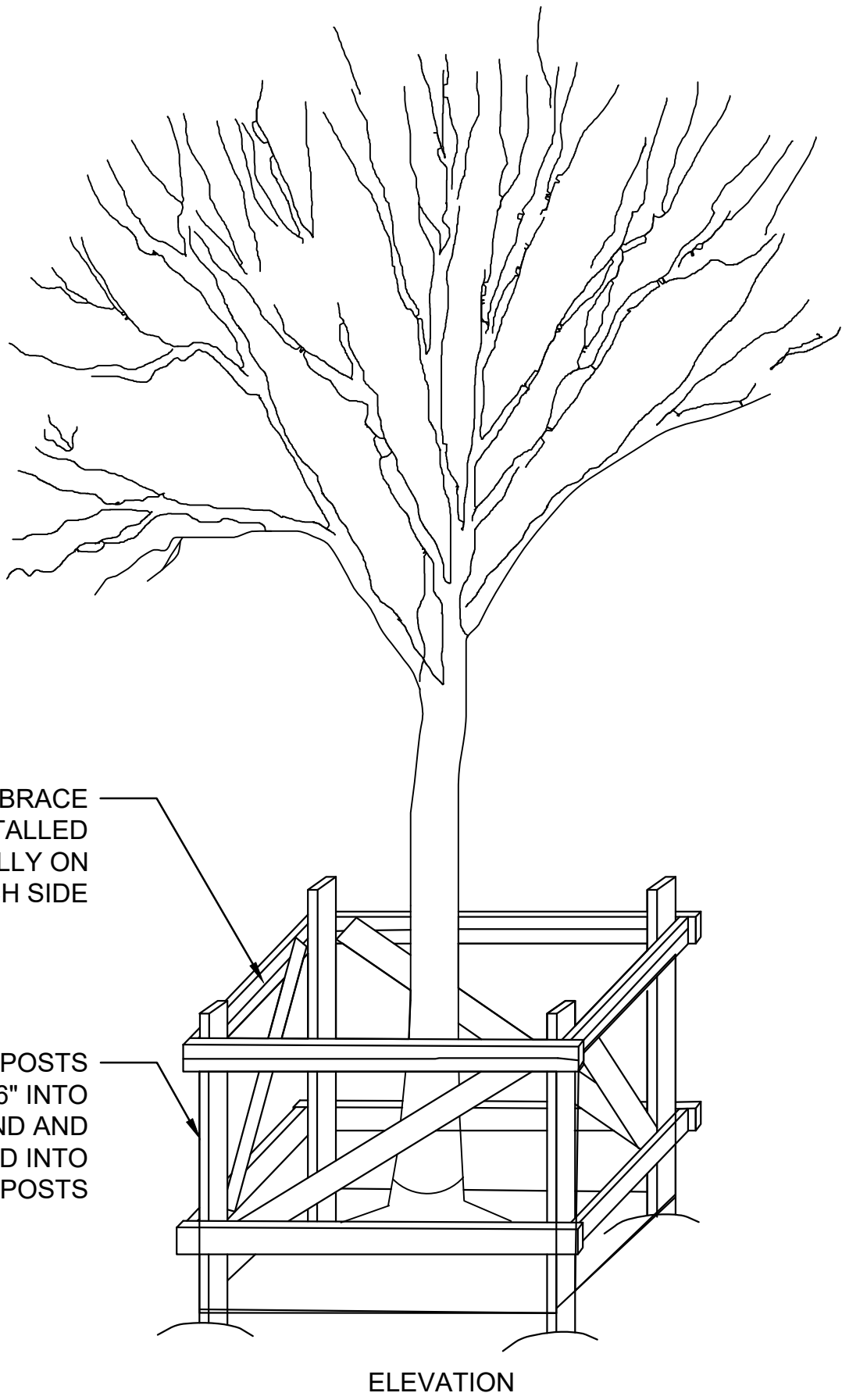
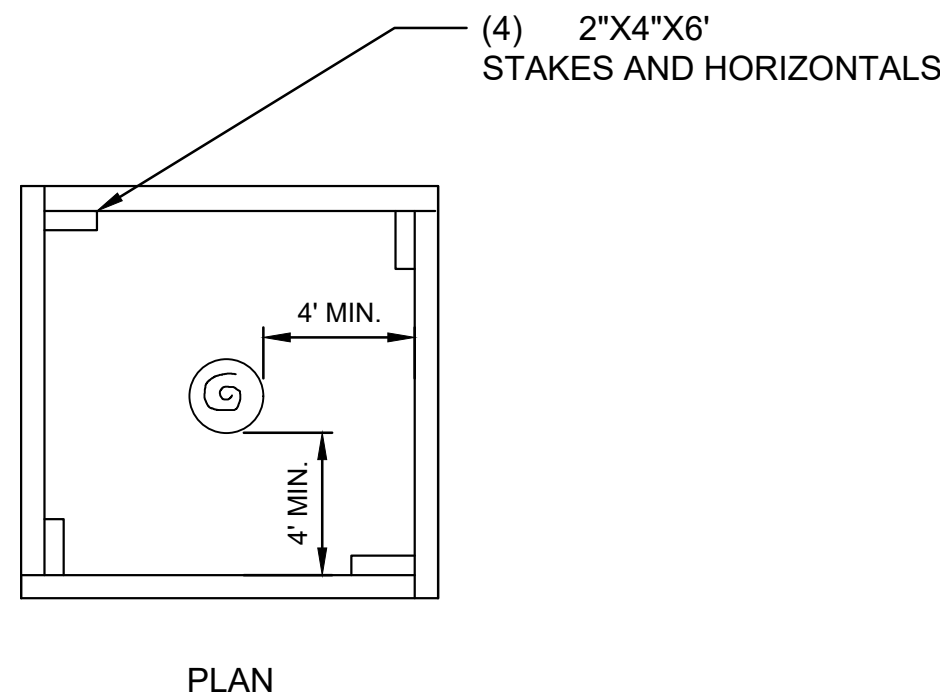
- SEE SPECIFICATIONS FOR WARNING SIGN. (SIZE, LETTERING, AND MOUNTING INTERVALS.)
- SEE SPECIFICATIONS FOR PROPER ATTACHMENT TO POSTS AND PROPER OVERLAPPING.
- LOCATIONS ARE AS SHOWN ON CONTRACT PLANS



### TEMPORARY PLASTIC BARRIER FENCE (TYPICAL ISOMETRIC VIEW)

NOTES:

- SEE SPECIFICATIONS FOR WARNING SIGN. (SIZE, LETTERING, AND MOUNTING INTERVALS.)
- SEE SPECIFICATIONS FOR PROPER ATTACHMENT TO POSTS AND PROPER OVERLAPPING.
- LOCATIONS ARE AS SHOWN ON CONTRACT PLANS

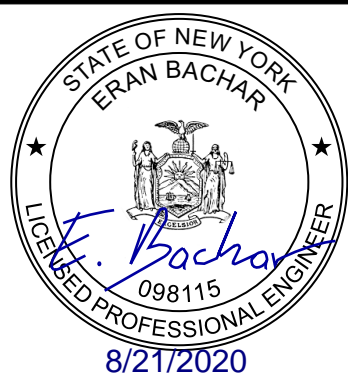


### TEMPORARY WOODEN TREE GUARD

NOTE:

- LOCATIONS SHALL BE AS SHOWN ON PLANS. TREE GUARDS MAY ENCLOSE INDIVIDUAL TREES AND/OR GROUPS OF MULTIPLE TREES. THE ENGINEER AND CONSULTING ARBORIST SHALL VERIFY IN FIELD.

DESIGNED  
A.L.  
DRAWN  
A.L.  
CHECKED  
T.K.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

AECOM

MTA Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE PROTECTION  
AND REMOVAL DETAILS

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 08-21-2020
DRAWING NO. L-500	
SHEET 97 OF 105	



LANDSCAPE RESTORATION NOTES:

1. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONDITIONS THAT WOULD PREVENT HEALTHY GROWTH OF PLANT MATERIAL.
2. UNLESS OTHERWISE SPECIFIED, ALL TREES SYMBOLS ARE FOR SINGLE ITEMS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING QUANTITIES SHOWN ON THE PLANS AND MUST INSTALL MATERIAL IN A WORKMANLIKE MANNER.
4. ALL OUT OF SEASON SEEDING IS AT THE CONTRACTORS OWN RISK; ALL SEEDED AREAS SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AND GENERAL PUBLIC TRAFFIC DURING THE ENTIRE LENGTH OF THE CONTRACT; THE LANDSCAPE ARCHITECT MUST FIELD INSPECT SEEDED AREAS PRIOR TO CONTRACT ACCEPTANCE.
5. PLANT SYMBOL AND CALLOUTS SHOWN DEPICT THE APPROXIMATE LOCATIONS AND DESIGN INTENT. THE CONTRACTOR SHALL REVIEW PLANS WITH THE LANDSCAPE ARCHITECT PRIOR TO ORDERING ANY PLANT MATERIAL TO ENSURE UNDERSTANDING OF PROJECT PLANS AND INTENT. PLANT MATERIAL LOCATIONS SHALL BE MARKED/STAKED IN THE FIELD BY THE CONTRACTOR AND REVIEWED IN THE FIELD WITH THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING PLANTING OPERATIONS.
6. THE CONTRACTOR SHALL WATER, MOW, AND WEED THE TURF ESTABLISHMENT AREAS FOR THE DURATION OF THE CONTRACT OR UNTIL TURF AREAS ARE ACCEPTED. ANY WORK REQUIRED TO CORRECT INITIAL SEEDING (INSTALLATION) SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.
7. THE CONTRACTOR SHALL TAKE EXTREME CARE NOT TO DAMAGE ANY EXISTING STREET TREES TO REMAIN WITHIN THE PROJECT LIMITS.
8. THE CONTRACTOR SHALL PERFORM ALL WORK AS SPECIFIED UNDER STANDARD SPECIFICATIONS 611.-3.05 - POST PLANTING CARE FOR ALL PLANTS. PLANTS THAT DIE, BECOME DISEASED OR BADLY IMPAIRED DURING POST PLANTING CARE SHALL BE REMOVED AND REPLACED IN KIND WITH HEALTHY PLANT MATERIAL IN THE SAME LOCATION OF THE INITIAL PLANTING.
9. RESTORATION OF LANDSCAPE/ TOPSOIL: ALL EXCESS MATERIALS AND DEBRIS DUE TO THE CONTRACTORS OPERATION SHALL BE REMOVED BY THE CONTRACTOR, AS PART OF THE SITE RESTORATION AT NO COST TO OWNER. ALL SOIL DIMINISHED AND/OR CONTAMINATED WITH EXCESS MATERIAL AND DEBRIS, AS DETERMINED BY THE LANDSCAPE ARCHITECT AND OTHER AGENCIES HAVING JURISDICTION, SHALL ALSO BE REMOVED AS NECESSARY TO CLEAN SOIL AND SHALL BE REPLACED WITH SUFFICIENT TOPSOIL MEETING WITH THE STANDARD SPECIFICATION SECTION 31 91 13 SOIL PREPARATION, ALSO AT NO COST TO OWNER. IF IT IS DETERMINED BY THE LANDSCAPE ARCHITECT THAT THE SOIL HAS BEEN COMPACTED DURING THE COURSE OF THE PROJECT, IT WILL BE UNCOMPACTED AND LOOSENEED TO THE DEPTH OF 12 INCHES PRIOR TO GRASS SEEDING OR OTHER RESTORATION AT NO COST TO OWNER. DECOMPACTION WITHIN THE DRIPLINE OF EXISTING TREES MUST BE DONE BY HAND USING ONLY LIGHT EQUIPMENT SUCH AS AN AIRSPADE OR OTHER METHOD, APPROVED BY THE LANDSCAPE ARCHITECT, WHICH WILL MINIMIZE DAMAGE TO TREE ROOTS. UNDER NO CIRCUMSTANCES MAY HEAVY EQUIPMENT (I.E. PAYLOADERS) BE USED TO ACCOMPLISH SITE RESTORATION WITHIN THE DRIPLINE OF TREES. IN THESE ROOT-SENSITIVE AREAS, WORK MUST BE DONE BY HAND USING ONLY LIGHT EQUIPMENT.
10. UNLESS OTHERWISE NOTED, ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
11. PRIOR TO THE START OF ALL LANDSCAPE WORK, THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT TO ARRANGE FOR A PRE-CONSTRUCTION SITE INSPECTION.
12. AREAS TO BE SEEDED ON THIS PROJECT MAY BE SUBJECT TO VEHICLE INTRUSIONS WHICH MAY RESULT IN THE NECESSITY OF RESEEDING AT NO COST TO OWNER. THE CONTRACTOR IS ADVISED TO TAKE ADEQUATE PROTECTIVE MEASURES TO MINIMIZE SUCH VEHICLE INTRUSIONS BOTH DURING AND AFTER PLANTING.
13. THE USE OF PROTECTIVE MEASURES SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY FOR A SATISFACTORY SEEDED AREA AS REQUIRED IN THE SPECIFICATIONS, AND FOR CARE OF SEEDED AREAS AND FOR PROTECTION OF THESE AREAS FROM TRAFFIC AND OTHER DAMAGE AS REQUIRED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE ALL PROTECTIVE MEASURES WITH THE SOIL AND EROSION CONTROL MEASURES AND MAINTENANCE AND PROTECTION OF TRAFFIC STAGING.
14. NO TREES ARE TO BE PLANTED OVER EXISTING SEWERS, WATER MAINS, MANHOLES AND ELECTRICAL BOXES. TREES CAN BE PLANTED AT LEAST 6 FEET CENTER TO CENTER FROM DISTRIBUTION MAINS, 8 FEET CENTER TO CENTER FROM MAINS GREATER THAN 20 INCHES IN DIAMETER, AND 4 FEET OUTSIDE THE SHEETING AREA FOR SEWERS.
15. IN THE EVENT OF VARIATIONS BETWEEN THE WRITTEN QUANTITIES SHOWN ON THE PLANS AND THE PLANT TABLES, THE PLAN SHEETS SHALL CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES PRIOR TO THE START OF WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE AUTHORITY PRIOR TO BIDDING.
16. THE CONTRACTOR SHALL FURNISH ALL PLANT MATERIAL IN SIZES AND TYPE AS SPECIFIED IN THE PLANT TABLES. ALL PLANTING SUBSTITUTES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.

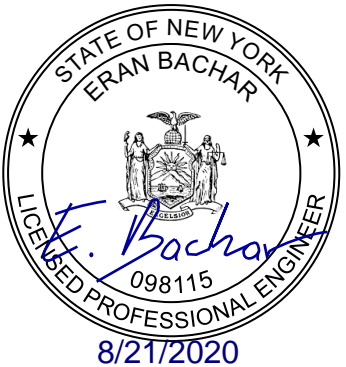
17. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE STABILITY AND CONDITION OF ALL PLANT MATERIAL AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF ANY PLANT MATERIALS.
18. ALL PLANT MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE LANDSCAPE ARCHITECT AT EACH OF THE FOLLOWING: PRIOR TO DELIVERY TO THE SITE, ON-SITE PRIOR TO INSTALLATION, FOLLOWING INSTALLATION, AT ANY TIME DURING THE GUARANTEE PERIOD, AND AT THE COMPLETION OF THE GUARANTEE PERIOD. THE LANDSCAPE ARCHITECT MAY REJECT ANY AND ALL MATERIALS AT ANY TIME FROM DELIVERY THROUGH THE END OF THE GUARANTEE PERIOD.
19. ALL TREES PLANTED UNDER THIS CONTRACT ARE TO BE WATERED AS DIRECTED IN THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.
20. SEE LANDSCAPE SPECIFICATIONS FOR PLANTING AND SEEDING PERIODS.
21. NO MULCH OR ANTI-DESICCANTS SHALL BE USED ON CITY PROPERTY.
22. CONTRACTOR TO PERFORM HERBICIDAL DIRECTED FOLIAR SPRAY AS RECOMMENDED BY MANUFACTURER, EVERY SIX MONTHS UNTIL THE END OF THE GUARANTEE PERIOD, IF INVASIVE SPECIES RE-ESTABLISH.
23. THE CONTRACTOR WILL PROVIDE ALL WATER NECESSARY FOR THE LANDSCAPE RESTORATION WORK.

DESIGNED  
A.L.

DRAWN  
A.L.

CHECKED  
T.K.

APPROVED  
E.B.



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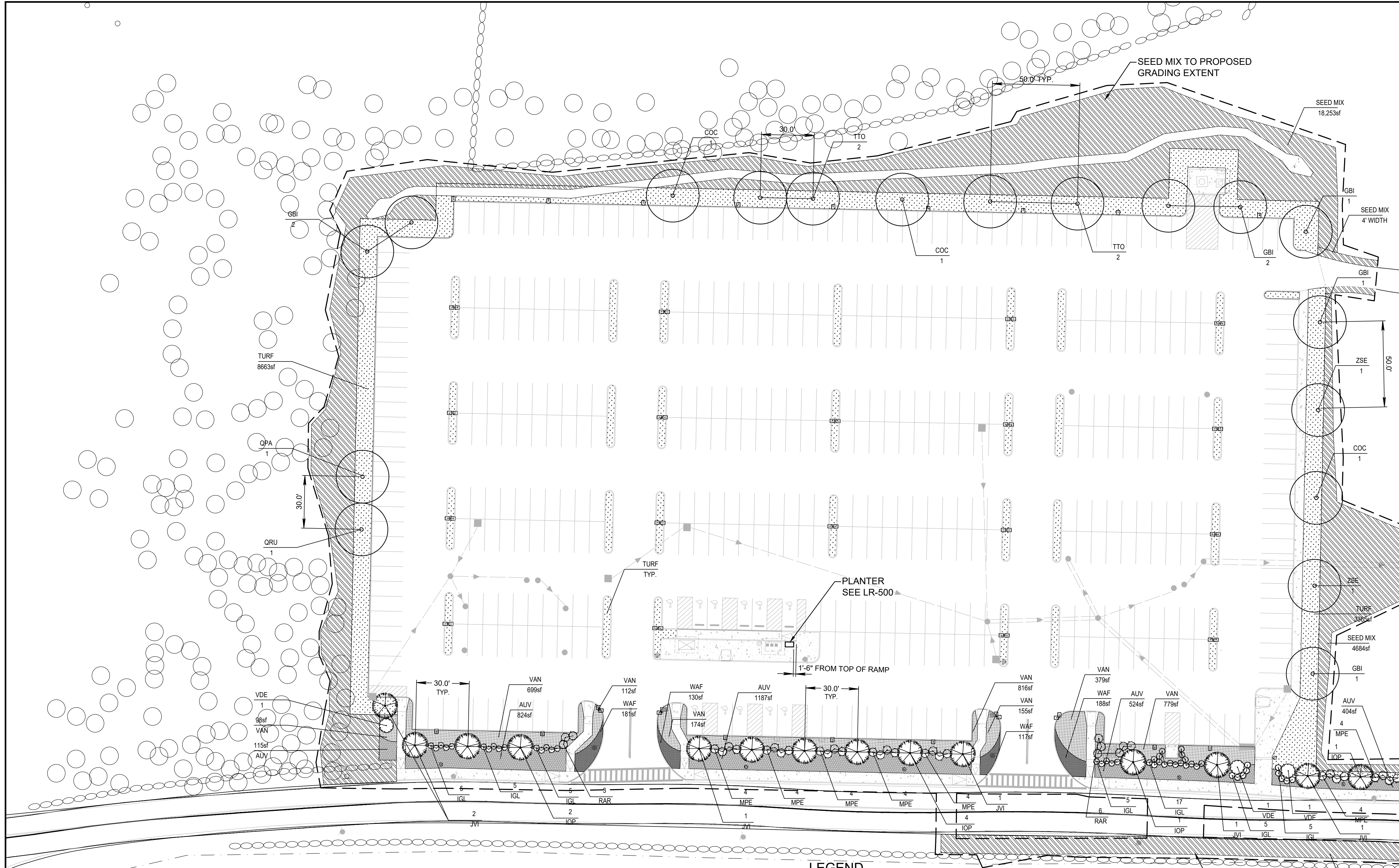
			CONFORMED			
NO.	DATE			DRWN	CHKD	APPVD
REVISIONS						



TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT  LANDSCAPE RESTORATION NOTES		CONTRACT NO. 142486	
		SCALE N.T.S.	DATE 08-21-2020
		DRAWING NO. LR-001	
		SHEET 98 OF 105	

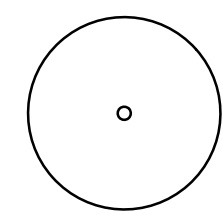


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MATCH LINE A-A, DWG. LR-101

LEGEND



LARGE DECIDUOUS TREE

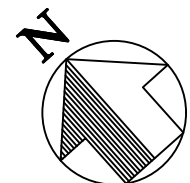
EVERGREEN TREE

SHRUB

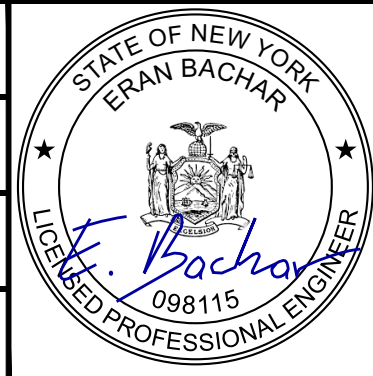
- — — LIMIT OF DISTURBANCE
- TURF
- SEED MIX
- GROUND COVER
- # PLANTING QTY
- XX PLANTING SPECIES

NOTES:

1. FOR LANDSCAPE RESTORATION NOTES, SEE LR-001.
2. FOR PLANTING SCHEDULE AND ADDITIONAL DETAILS ON PLANT SPECIES, SEE LR-400.
3. FOR LANDSCAPE RESTORATION DETAILS, SEE LR-500.



DESIGNED  
A.L.  
DRAWN  
A.L.  
CHECKED  
T.K.  
APPROVED  
E.B.



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CONFORMED				
NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

AECOM

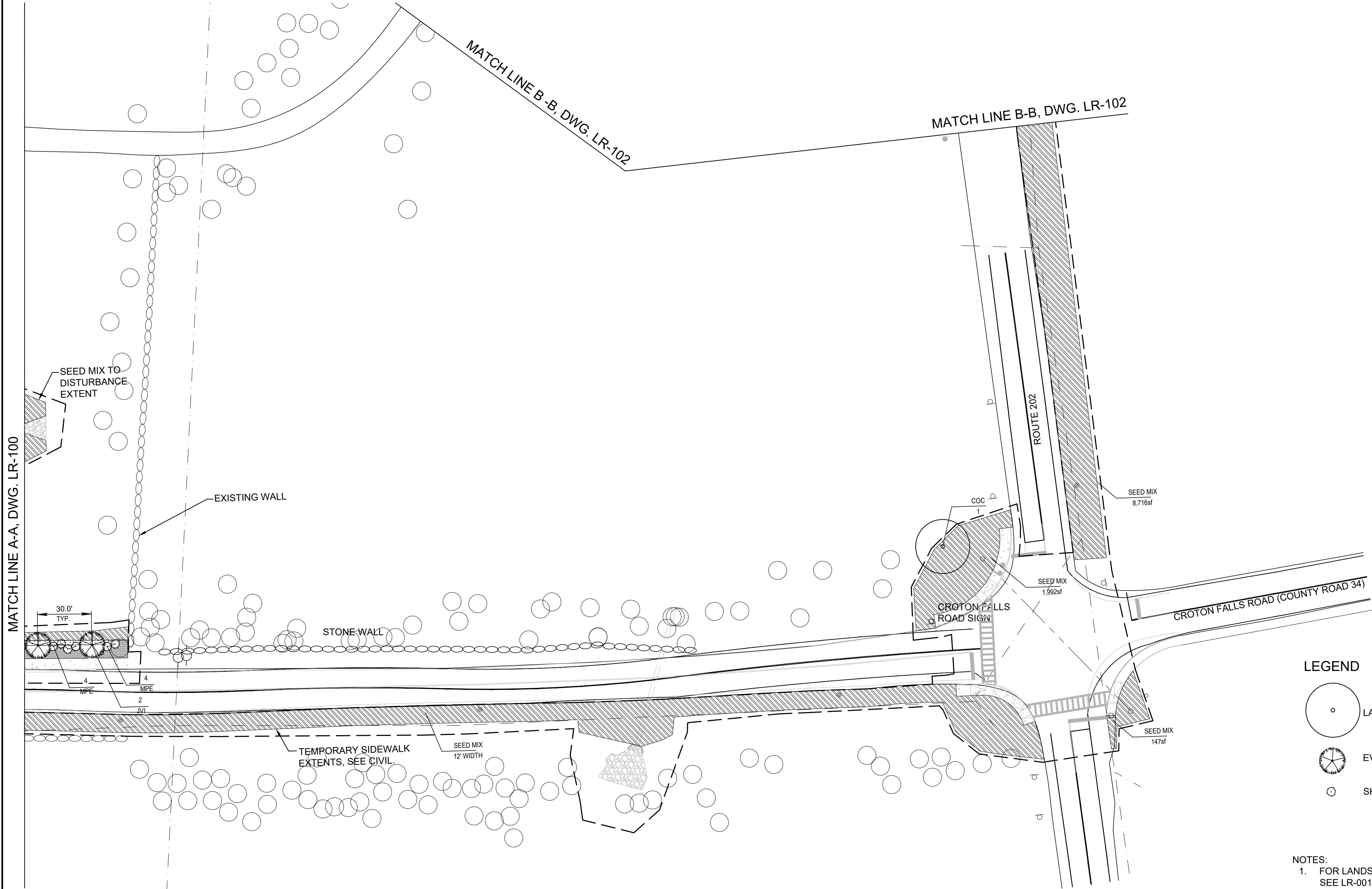


TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE  
RESTORATION PLAN  
1 OF 3

CONTRACT NO.  
142486  
SCALE  
N.T.S.  
DATE  
05-18-2021  
DRAWING NO.  
LR-100  
SHEET 99 OF 105



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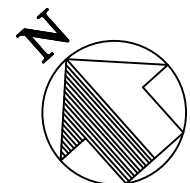


#### LEGEND

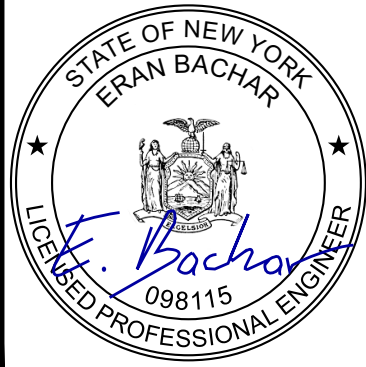
- LARGE DECIDUOUS TREE
- EVERGREEN TREE
- SHRUB
- LIMIT OF DISTURBANCE
- TURF
- SEED MIX
- GROUNDCOVER
- PLANTING QTY  
PLANTING SPECIES

- NOTES:
- FOR LANDSCAPE RESTORATION NOTES, SEE LR-001.
  - FOR PLANTING SCHEDULE AND ADDITIONAL DETAILS ON PLANT SPECIES, SEE LR-400.
  - FOR LANDSCAPE RESTORATION DETAILS, SEE LR-500.

0 30 60  
SCALE IN FEET



DESIGNED  
A.L.  
DRAWN  
A.L.  
CHECKED  
T.K.  
APPROVED  
E.B.



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CONFORMED					
NO.	DATE	DRWN	CHKD	APPVD	
REVISIONS					

**AECOM**



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE  
RESTORATION PLAN  
2 OF 3













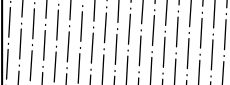

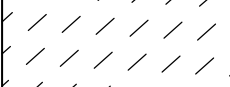
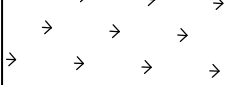

CONTRACT NO.  
142486  
SCALE  
N.T.S.  
DATE  
05-18-2021  
DRAWING NO.  
LR-101  
SHEET 100 OF 105



5/18/2021 9:27:44 AM



DESIGNED A.L.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	<div>CONFORMED</div>								TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT LANDSCAPE RESTORATION PLAN 3 OF 3	CONTRACT NO. 142486	
DRAWN A.L.			SCALE N.T.S.		DATE 05-18-2021								
CHECKED T.K.			REVISIONS									DRAWING NO. LR-102	
APPROVED E.B.												SHEET 101 OF 105	

Symbol	Abbv.	Qty.	Scientific	Common	Type	Size	Spacing	Cultivar	Table Notes	Ball
Trees										
	GBI	7	<i>Ginkgo biloba</i>	Ginkgo	B&B	3"-3.5" Cal.	As Shown	'Autumn Gold'	1	38" Min.
	QRU	1	<i>Quercus rubra</i>	Northern Red Oak	B&B	3"-3.5" Cal.	As Shown	-	1,3	38" Min.
	QPA	1	<i>Quercus palustris</i>	Pin Oak	B&B	3"-3.5" Cal.	As Shown	-	1	38" Min.
	ZSE	2	<i>Zelkova serrata</i>	Japanese Zelkova	B&B	3"-3.5" Cal.	As Shown	'Halka'	1, 3	38" Min.
	TTO	4	<i>Tilia tomentosa</i>	Silver Linden	B&B	3"-3.5" Cal.	As Shown	'Green Mountain'	1	38" Min.
	COC	3	<i>Celtis occidentalis</i>	Hackberry	B&B	3"-3.5" Cal.	As Shown	'Magnifica'	1	38" Min.
	JVI	8	<i>Juniperus virginiana</i>	Eastern Red Cedar	B&B	10-12 ft. Hgt.	As Shown	-	1	38" Min.
	IOP	8	<i>Ilex opaca</i>	American Holly	B&B	10-12 ft. Hgt.	As Shown	-	1	38" Min.
Shrubs										
	MPE	36	<i>Myrica pensylvanica</i>	Northern Bayberry	Container	5 ft. Hgt.	5' O.C.	-		#5 Container
	IGL	47	<i>Ilex glabra</i>	Inkberry	Container	4 ft. Hgt.	5' O.C.	Compacta' & 'Nordic'	2	#5 Container
	RAR	11	<i>Rhus aromatica</i>	Fragrant Sumac	Container	4 ft. Hgt.	7' O.C.	-		#5 Container
	VDE	3	<i>Viburnum dentatum</i>	Arrowwood Viburnum	Container	5 ft. Hgt.	As Shown	-		#5 Container
Groundcover										
	AUV	3054 sf	<i>Arctostaphylos uva-ursi</i>	Bearberry	Container	-	18" O.C.	'Massachusetts'		#1 Container
	WAF	616 sf	<i>Waldsteinia fragarioides</i>	Barren Strawberry	Container	-	12" O.C.	-		#1 Container
	VAN	3214 sf	<i>Vaccinium angustifolium</i>	Lowbush Blueberry	Container	-	12" O.C.	-		#1 Container
Grasses										
	TURF	12030 sf	Ernst ERNMX-186-1					Native/Naturalized Solar Farm Mix		
	SEED MIX	41787 sf	Ernst ERNMX-140					Part Shade Roadside Mix		

- NOTES:
- OUT OF SEASON SEEDING IS AT THE CONTRACTOR'S OWN RISK; THE LANDSCAPE ARCHITECT MUST FIELD INSPECT SEEDED AREAS PRIOR TO CONTRACT ACCEPTANCE.
  - PLANT MATERIAL SELECTION SHALL CONFORM WITH ANSI Z60.1-2014, AMERICAN STANDARD FOR NURSERY STOCK.
  - SEED TO BE APPLIED AT THE MANUFACTURER SUGGESTED RATE OF 20 LB PER ACRE, OR 1/2 LB PER 1,000 SQ FT.
  - CONTRACTOR SHALL APPLY COVER CROP SEED OF SECALE CEREALE AT A RATE OF 15 LB PER ACRE.
  - AREAS RECEIVING SEED MIX OR TURF SHALL INCLUDE 6" LAYER OF CONTINUOUS TOPSOIL. AREAS RECEIVING SHRUBS OR GROUNDCOVER SHALL INCLUDE 24" LAYER OF CONTINUOUS TOPSOIL. SEE LANDSCAPE DETAILS FOR TRANSITION ZONE.

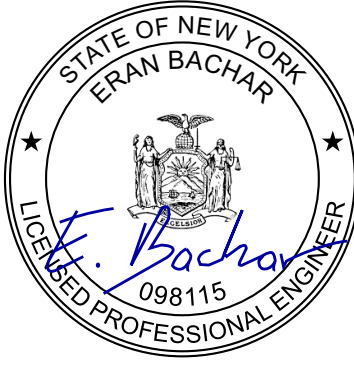
- TABLE NOTES:
- SPECIMEN, STREET TREE QUALITY, LOWEST LIMB 6 FT.
  - WITHIN PLANT GROUPINGS OF ILEX GLABRA, PLANT ONE MALE CULTIVAR 'NORDIC'. THE REMAINING SUM WITHIN THE PLANTING GROUP SHALL BE 'COMPACTA'.
  - FALL DIG HAZARD. NOT TO BE TRANSPLANTED DURING THE FALL PLANTING SEASON.

DESIGNED  
A.L.

DRAWN  
A.L.

CHECKED  
T.K.

APPROVED  
E.B.



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			CONFORMED			
NO.	DATE		DRWN	CHKD	APPVD	
REVISIONS						



TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE RESTORATION  
PLANTING SCHEDULE

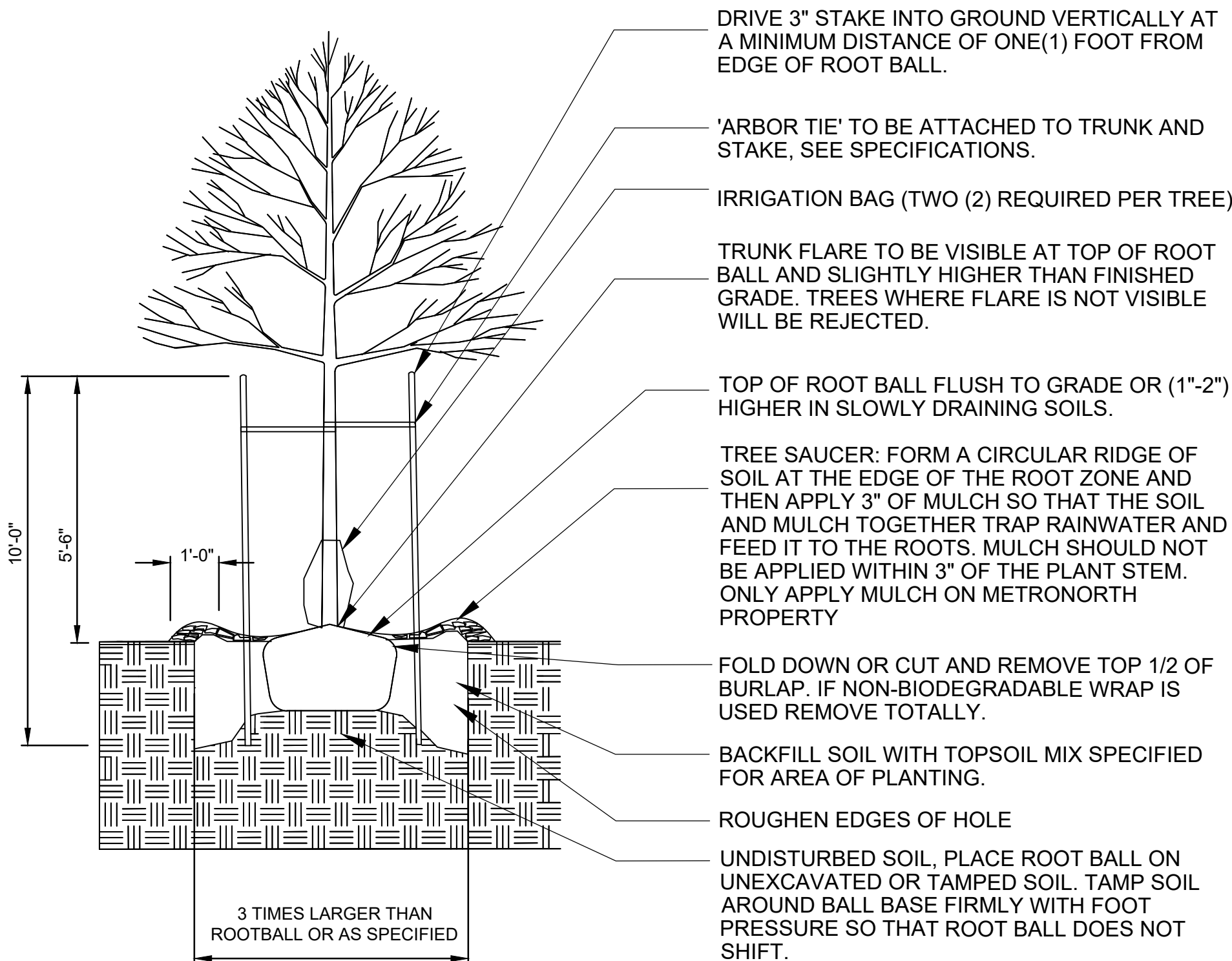
CONTRACT NO.  
142486

SCALE  
N.T.S.

DATE  
05-18-2021

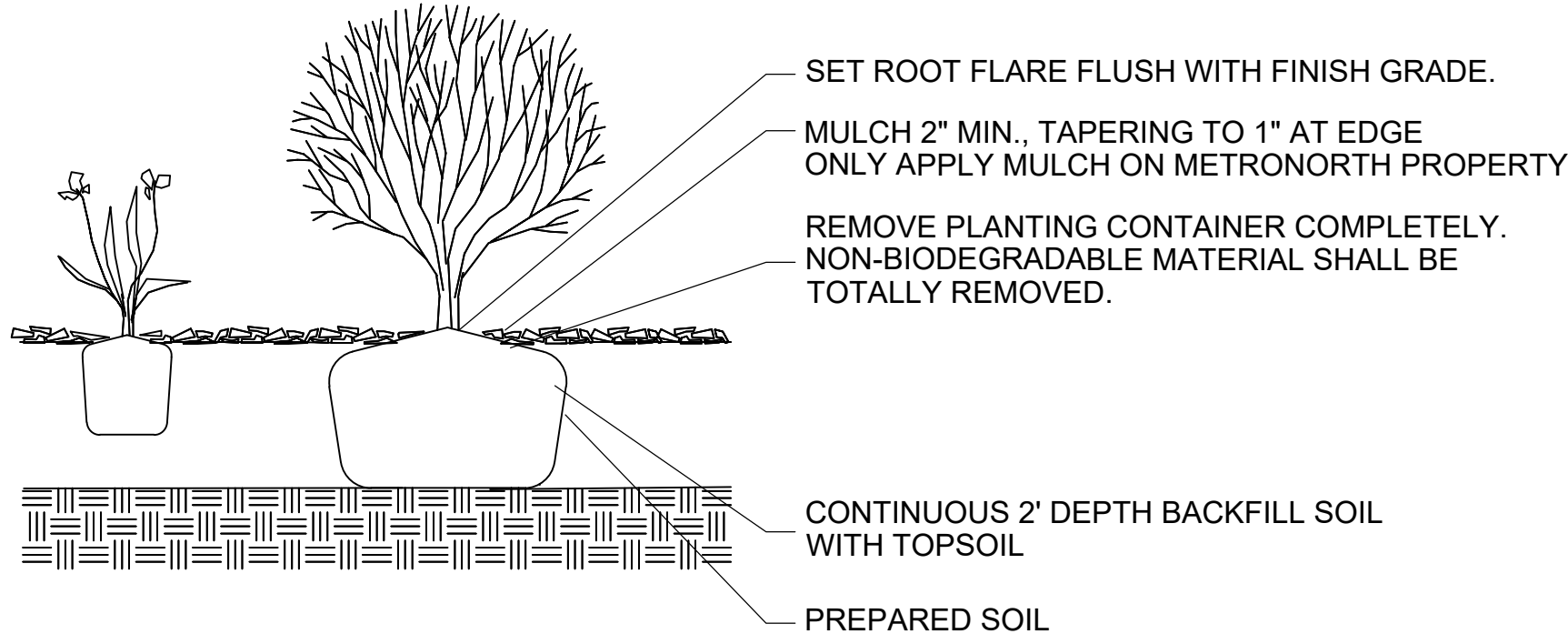
DRAWING NO.  
LR-400  
SHEET 102 OF 105





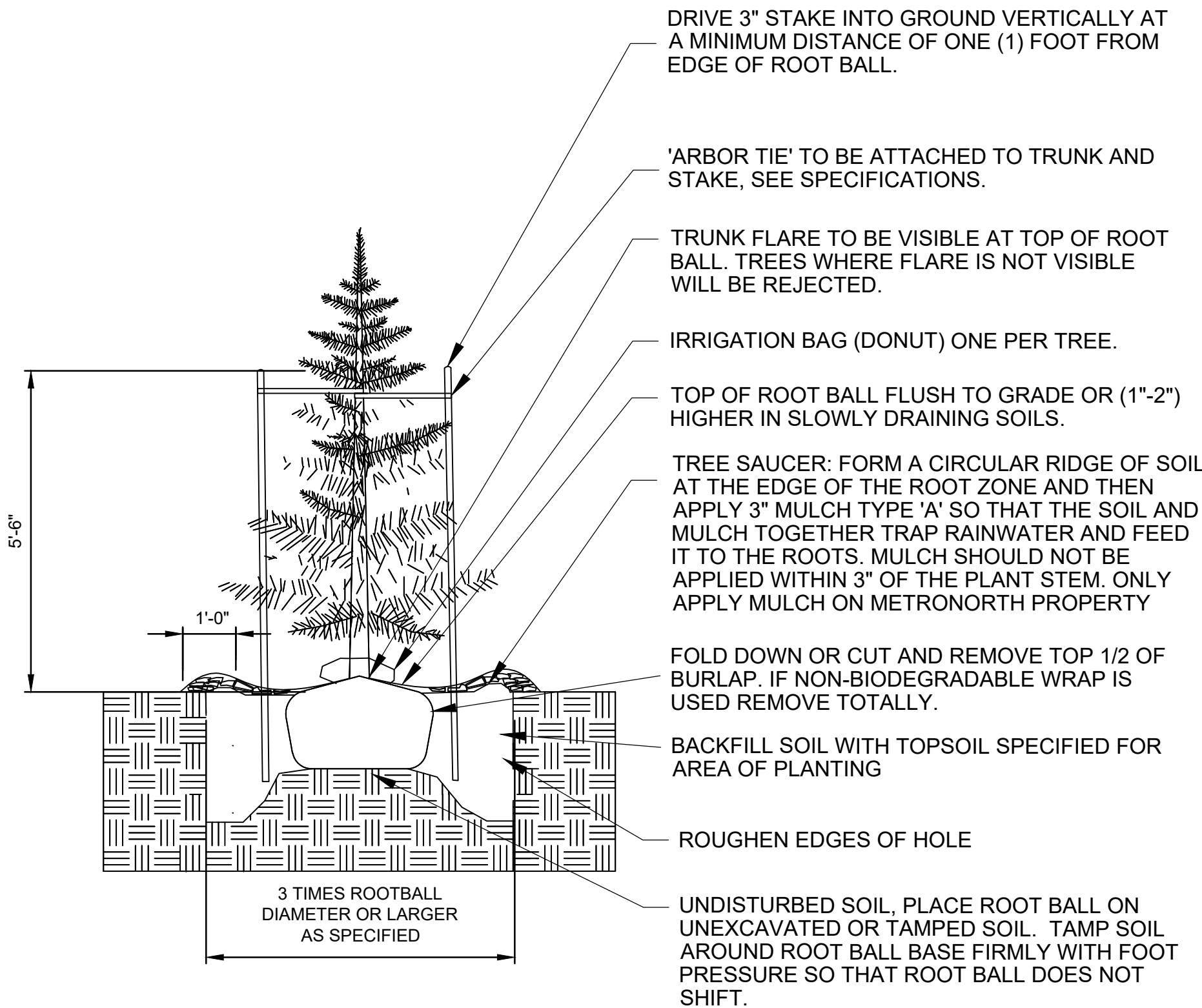
PLANTING - DECIDUOUS TREE

NTS



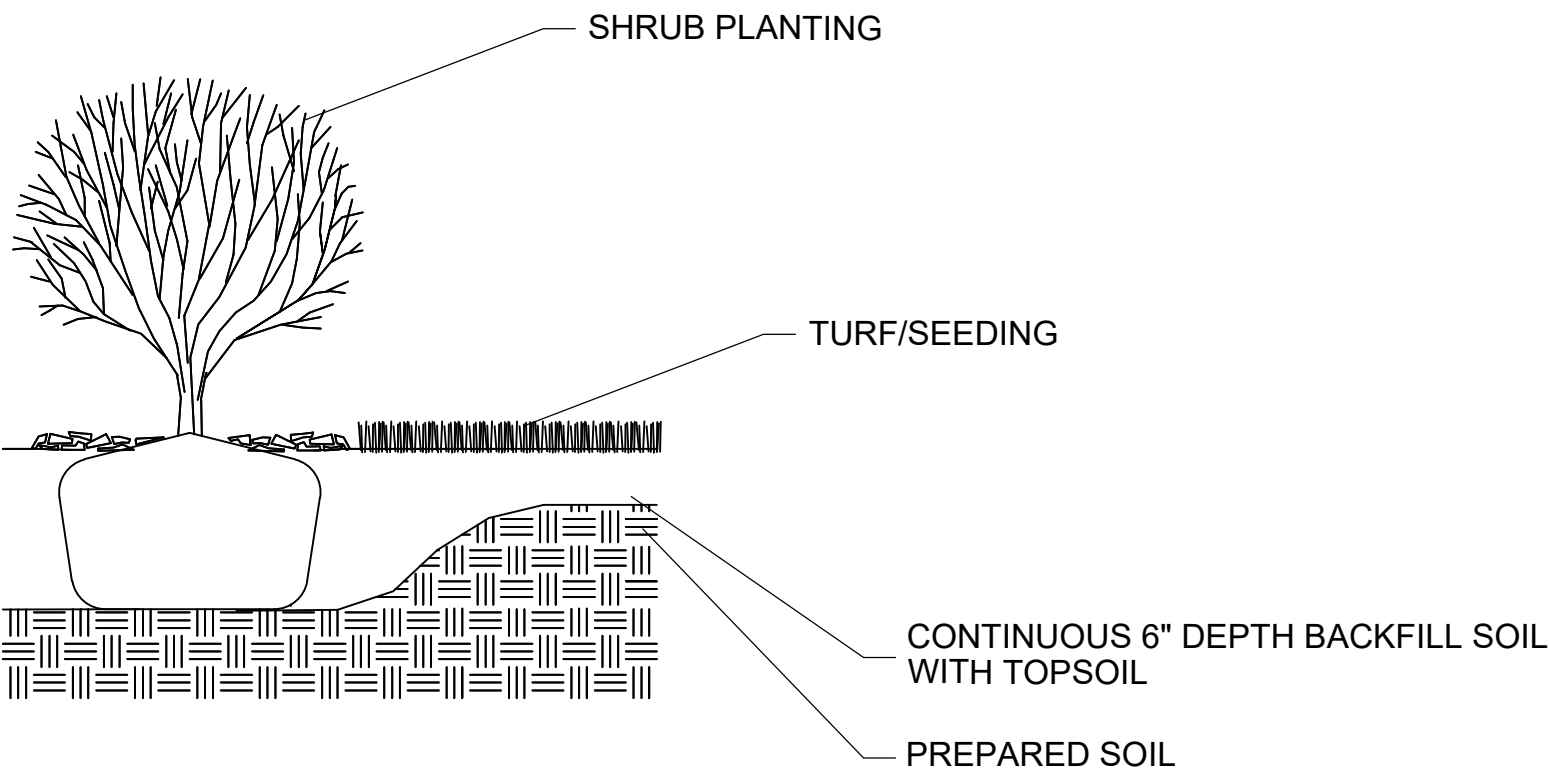
PLANTING - SHRUBS AND GROUNDCOVER

NTS



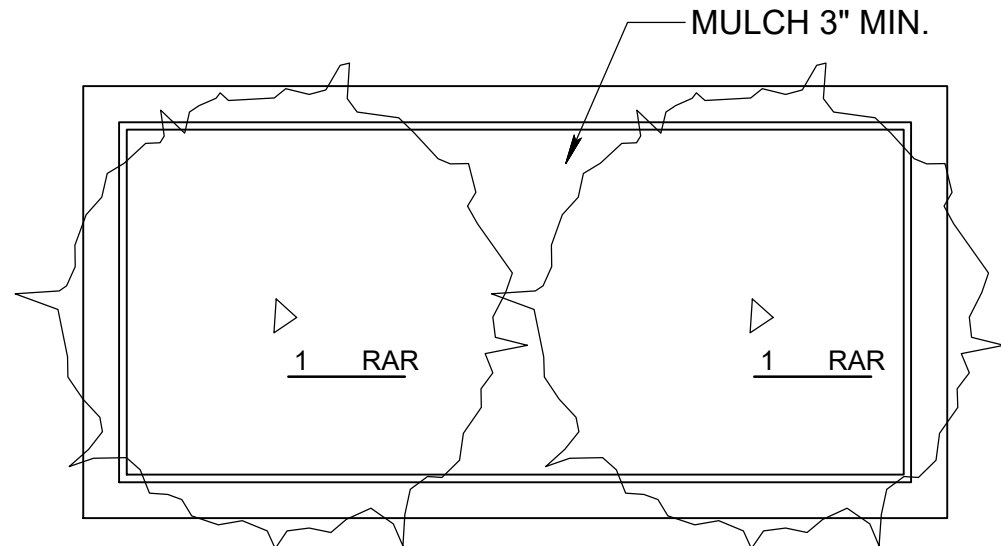
PLANTING - EVERGREEN TREE

NTS



PLANTING - TURF/SEEDING PLANTING TRANSITION

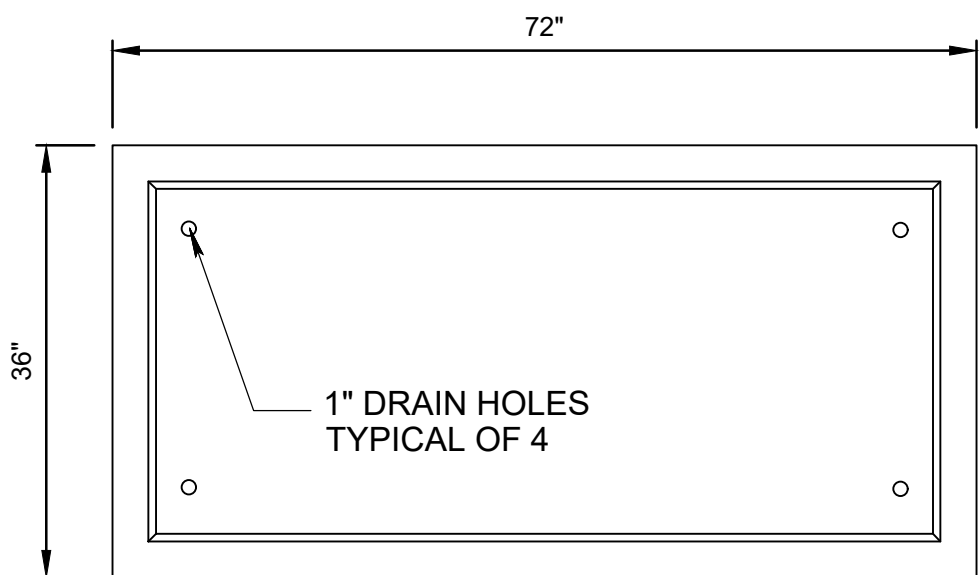
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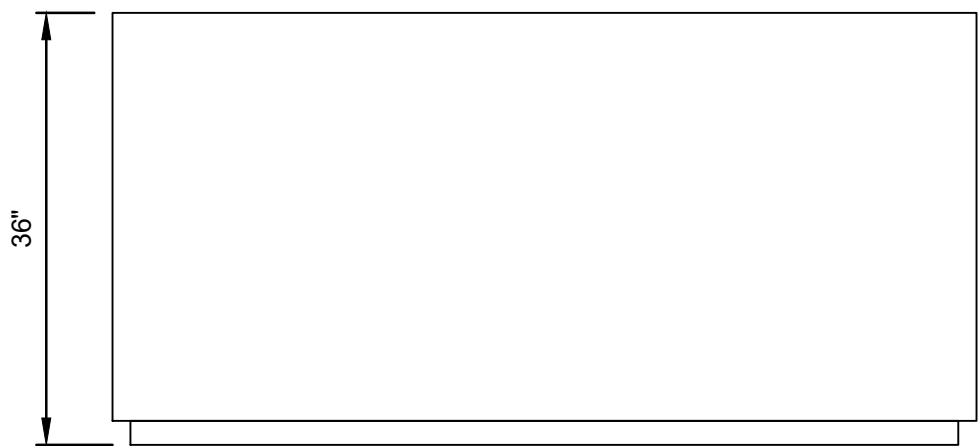
1. FOR MORE INFORMATION ON PLANT SPECIES, SEE SHEET LR-400.

PLANTER PLANTING PLAN

NTS



PLAN VIEW



ELEVATION

1. PLANTER SHALL BE MODEL#RL723636 AS MANUFACTURED BY OLD TOWN FIBERGLASS OR APPROVED EQUAL. COLOR AND TEXTURE TO BE SELECTED BY THE OWNER FROM STANDARD COLORS/FINISHES.
2. PLANTER SHALL COME WITH FORK LIFT SLOTS FOR EASE OF MOVEMENT.
3. PLANTER SHALL BE PLACED IN THE PLAZA AS DIRECTED BY THE OWNER
4. PLANTERS SHALL BE FILLED WITH PLANTING SOIL MIXTURE AND MULCH LAYER TO WITHIN 3" OF TOP OF PLANTERS.
5. PROVIDE 6" LAYER OF ROOFLITE 400 DRAIN LIGHTWEIGHT DRAINAGE MATERIAL AT BOTTOM OF PLANTER AS PROVIDED BY ROOFLITE CERTIFIED GREEN ROOF MEDIA, OR APPROVED EQUAL.
6. PROVIDE 3" OF DOUBLE SHREDDED HARDWOOD MULCH ON PLANTING SOIL MIXTURE.
7. FINAL LOCATION OF PLANTER TO BE DETERMINED IN-FIELD BY ENGINEER.

PLANTER

NTS

8/20/2020 5:06:25 PM  
Liang

DESIGNED A.L.	
DRAWN A.L.	
CHECKED T.K.	
APPROVED E.B.	

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CONFORMED					
NO.	DATE		DRWN	CHKD	APPVD
REVISIONS					

AECOM

MTA Metro-North Railroad

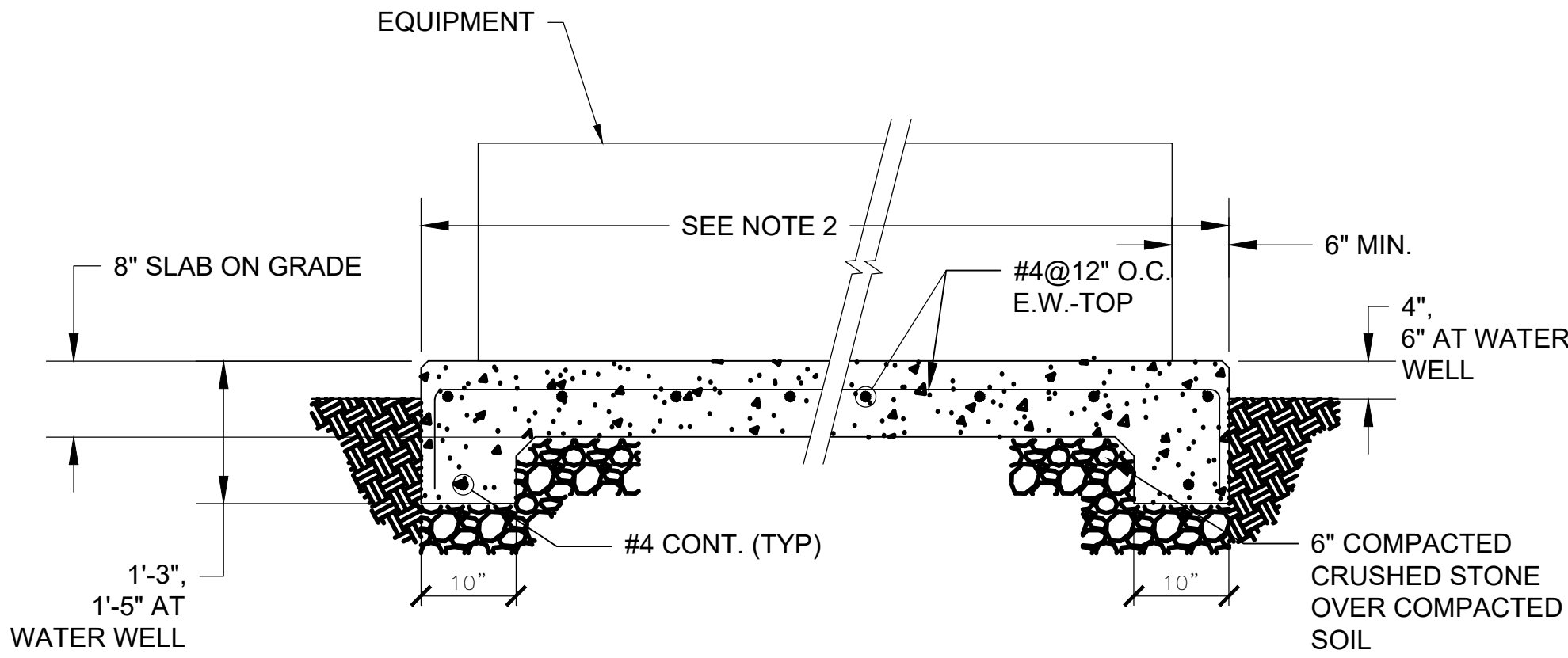
TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT  
LANDSCAPE  
RESTORATION DETAILS

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 08-21-2020
DRAWING NO. LR-500	
SHEET 103 OF 105	

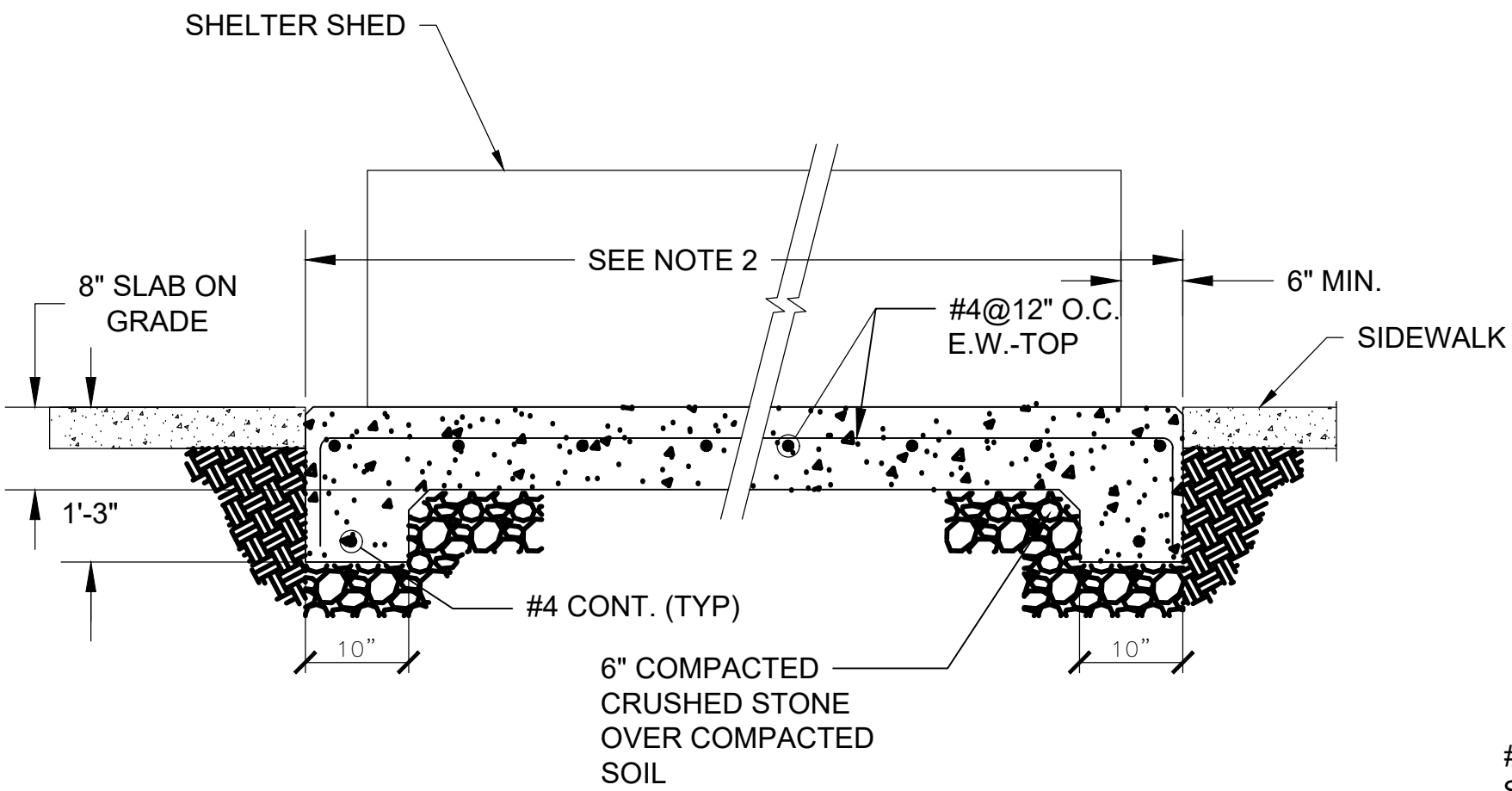


EQUIPMENT PAD TABLE				
EQUIPMENT	DISCIPLINE	EQUIPMENT DIM (L x W)	EQUIPMENT PAD DIM (L x W)	ANCHORS REQUIRED
ELECTRICAL PANEL	ELECTRICAL	6' x 2'	7' x 6'	YES
TRANSFORMER VAULT	ELECTRICAL	-	6'-6" x 6'	YES
WATER WELL VAULT	PLUMBING	6'-10" x 6'-10"	25' x 15'	YES
WATER WELL HOTBOX	PLUMBING	4'-8" x 4'-8"		YES
BUS SHELTER SHED	ARCHITECTURE	9'-2" x 5'-3"	10'-2" x 8'-3"	YES
PAY STATION SHELTER SHED	ARCHITECTURE	9'-2" x 5'-3"	10'-2" x 8'-3"	YES

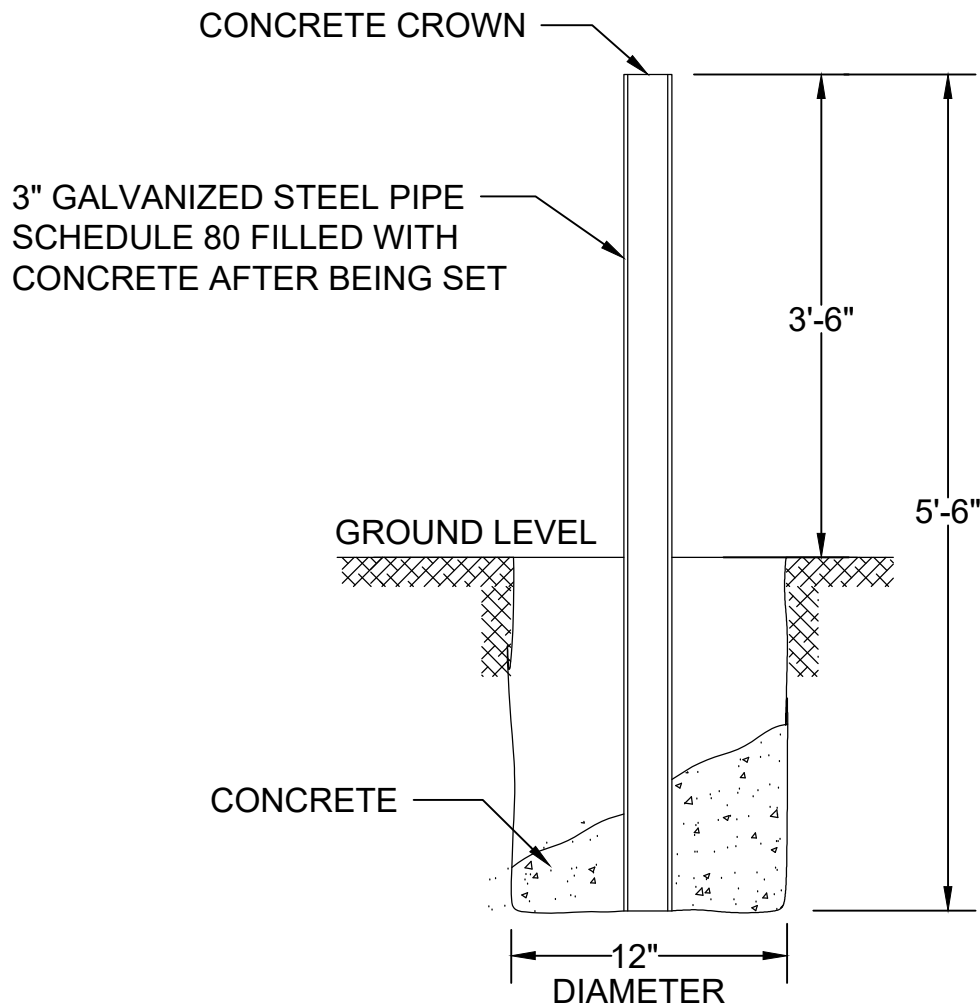
- NOTES:
- FOR EQUIPMENT ATTACHMENT (WHERE REQUIRED) USE  $\frac{3}{4}$ " Ø HILTI HIT-HY200 ADHESIVE ANCHORS WITH 5" EMBEDMENT AND 6" MIN. EDGE DISTANCE, OR APPROVED EQUAL LOCATION AND QUANTITY OF ANCHORS PER MANUFACTURER INSTRUCTIONS.
  - SEE EQUIPMENT PAD TABLE FOR PAD DIMENSIONS AND LOCATIONS.
  - COORDINATE PAD DIMENSIONS WITH ACTUAL EQUIPMENT SUBMITTAL - PROVIDE 6" MINIMUM ALL AROUND.



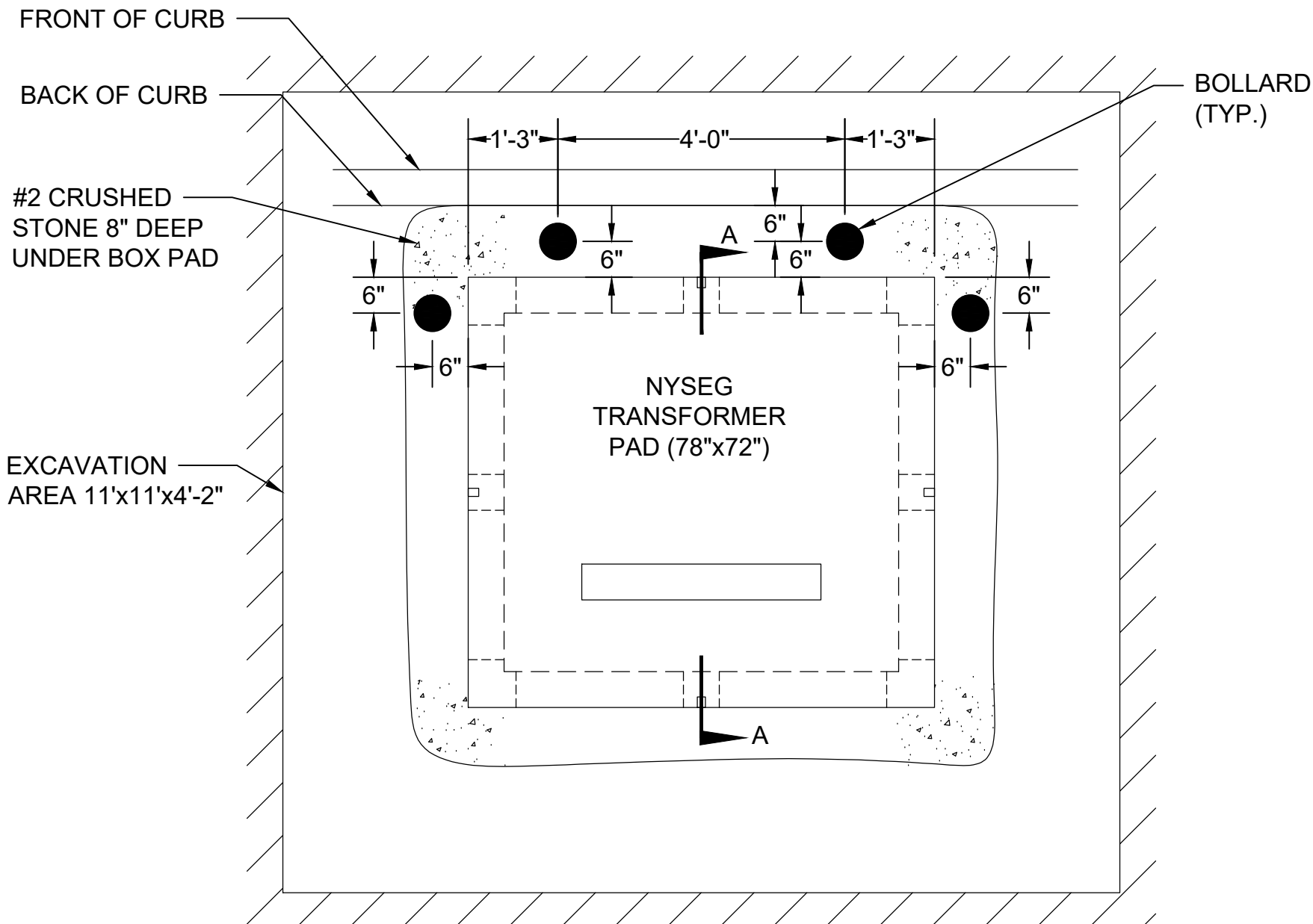
TYPICAL EQUIPMENT PAD DETAIL



SHELTER SHED FOUNDATION DETAIL



BOLLARD DETAIL  
NOT TO SCALE



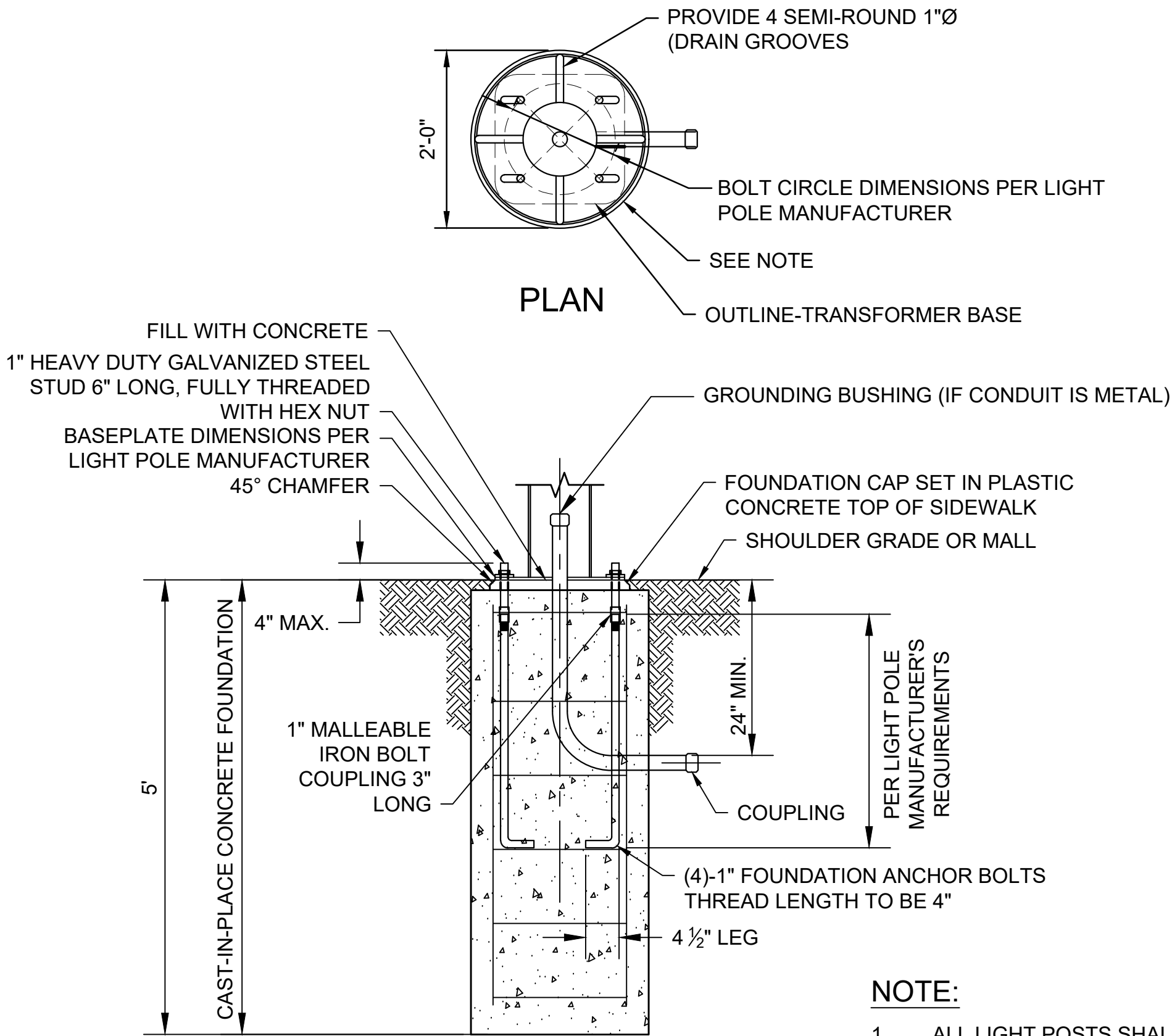
PLAN

ELEVATION

- NOTES:
- REINFORCE WITH GRADE 60 #4 BARS ON 6" CENTERS BOTH WAYS.
  - 4000 PSI CONCRETE AT 28 DAYS.
  - TOP AND BOTTOM TO BE SMOOTH FINISH.

NYSEG TRANSFORMER PAD AND VAULT DETAIL

NOT TO SCALE

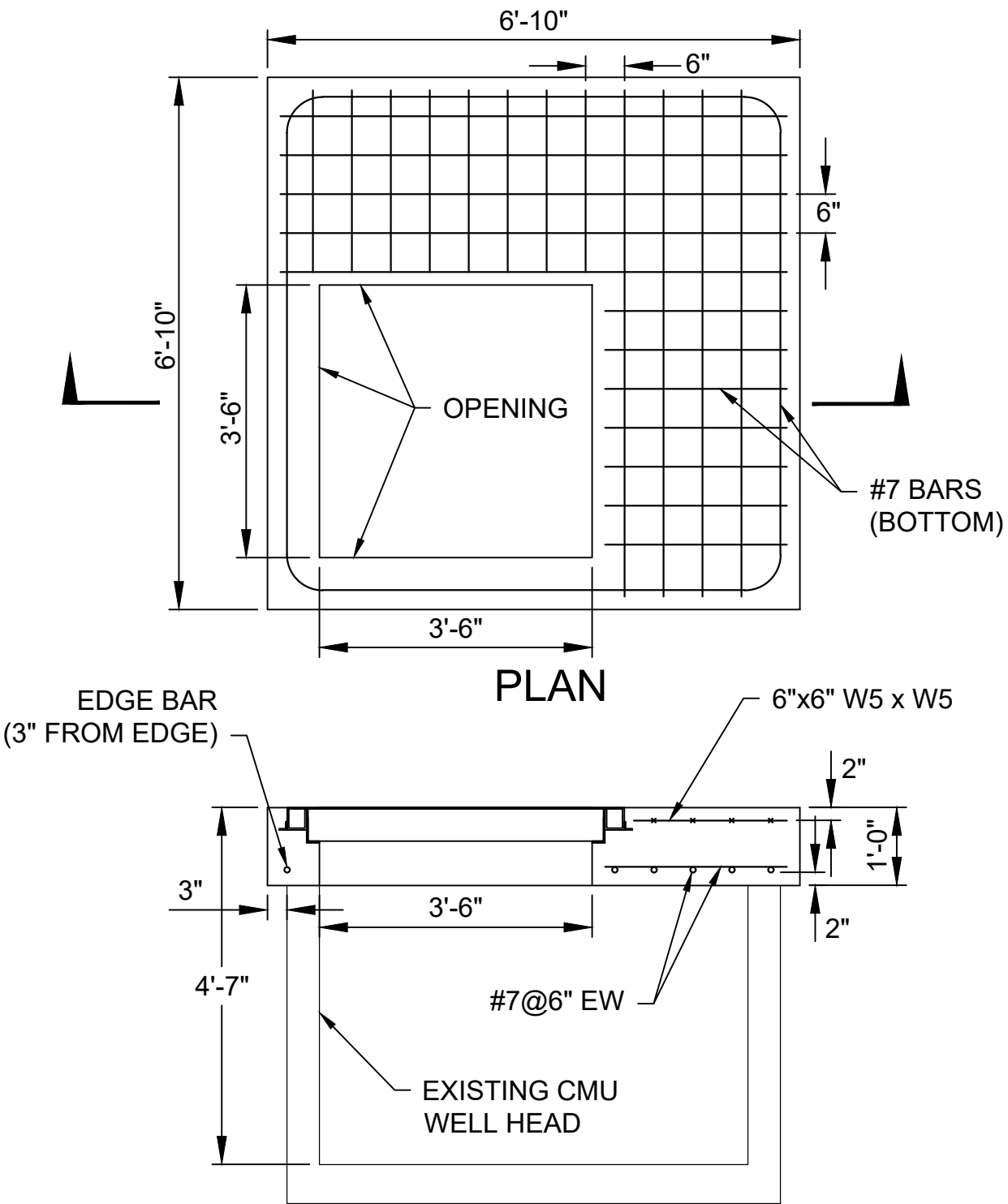


ELEVATION

LIGHT POLE FOUNDATION DETAIL

NOT TO SCALE

- NOTE:
- ALL LIGHT POSTS SHALL BE GROUNDED EITHER THROUGH THE METAL CONDUIT, BURIED GROUNDWIRE IN TRENCH, OR VERTICAL GROUND ROD. SEE STANDARD SHEET TITLE "PULLBOX CONDUIT AND GROUND ROD INSTALLATION DETAILS" FOR ADDITIONAL GROUNTING NOTES AND DETAILS.



SECTION A

WATER WELL VAULT SLAB DETAIL

NOT TO SCALE

CONFORMED				
NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

AECOM

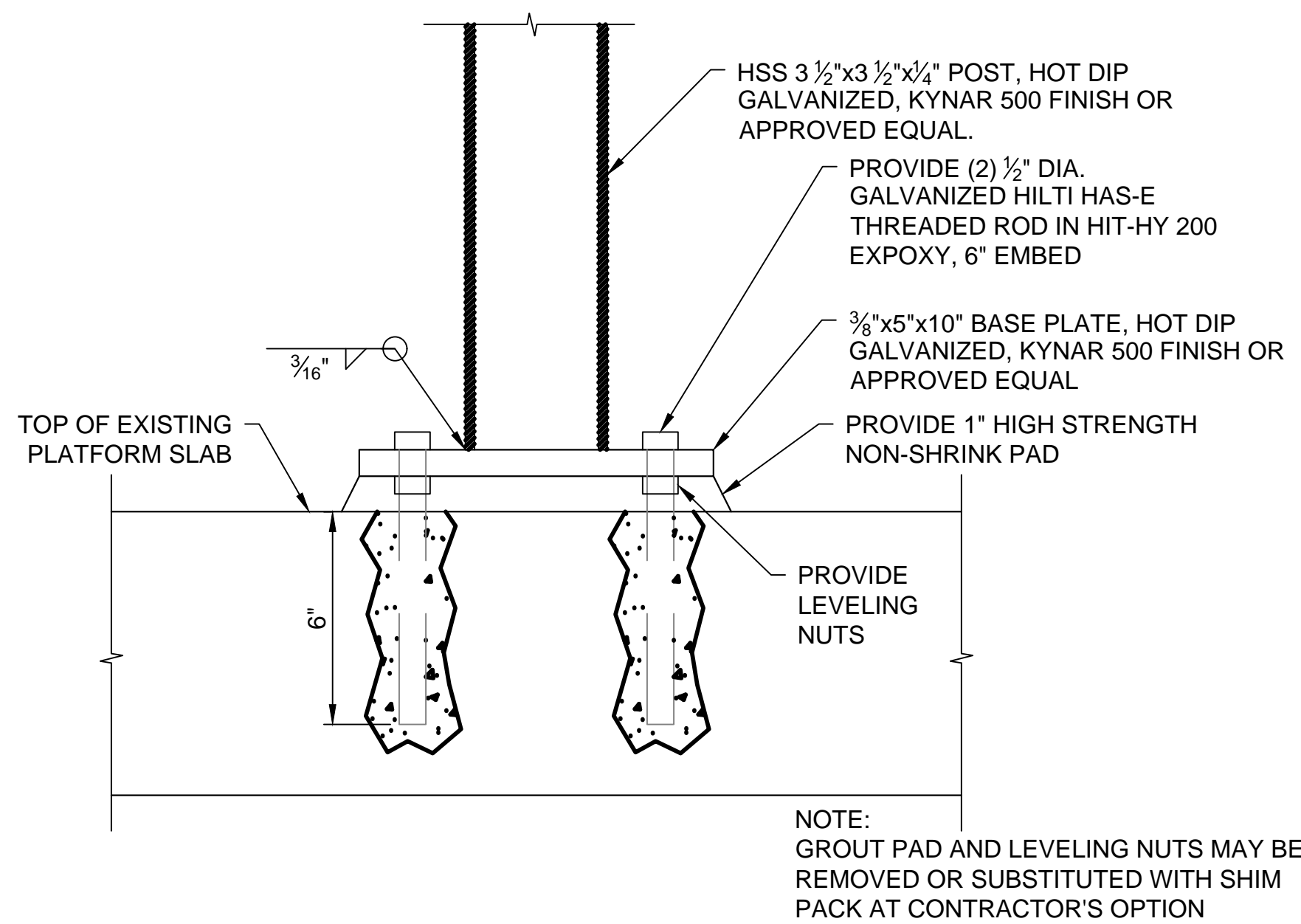
MTA Metro-North Railroad

TITLE  
UPPER HARLEM PARKING IMPROVEMENTS  
AT CROTON FALLS  
PACKAGE 2 -  
SURFACE PARKING LOT

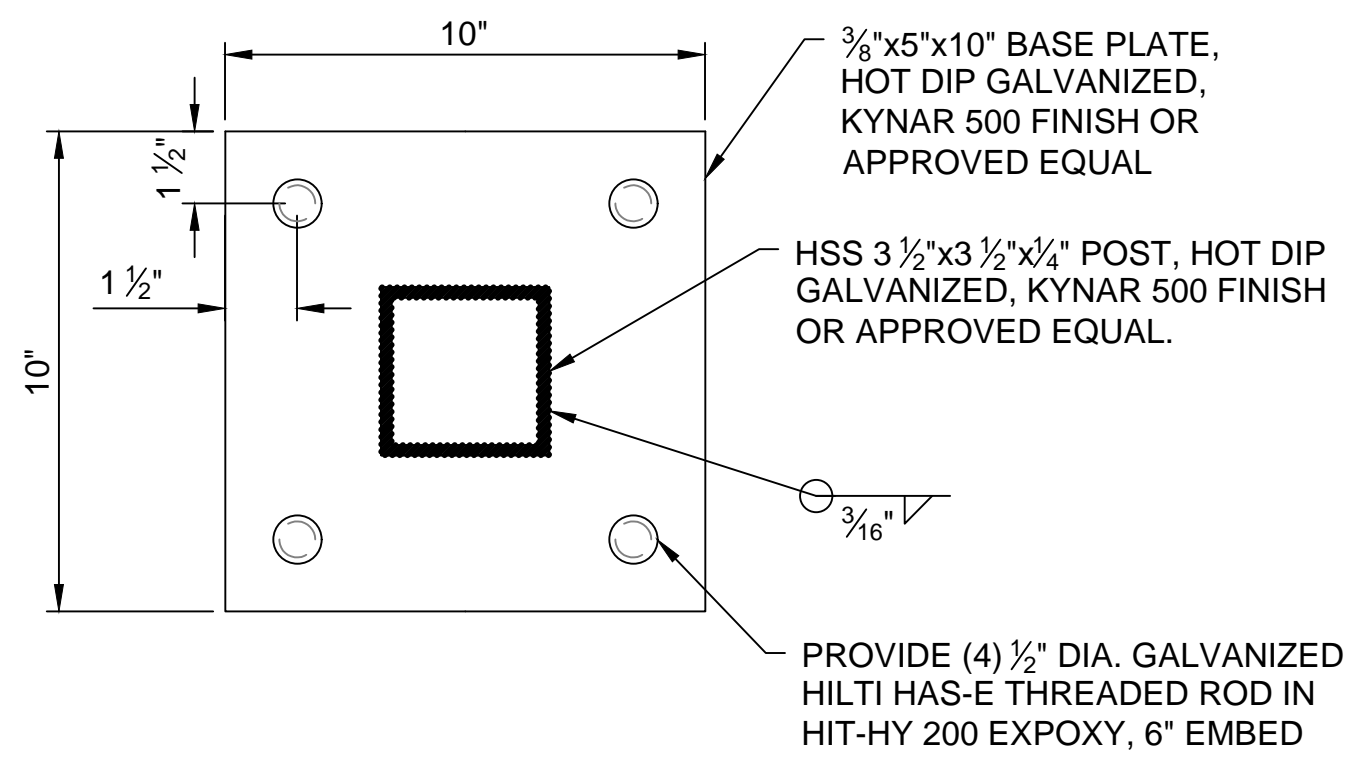
STRUCTURAL DETAILS  
1 OF 2

CONTRACT NO. 142486	
SCALE N.T.S.	DATE 12-04-2020
DRAWING NO. S-100	
SHEET 104 OF 105	

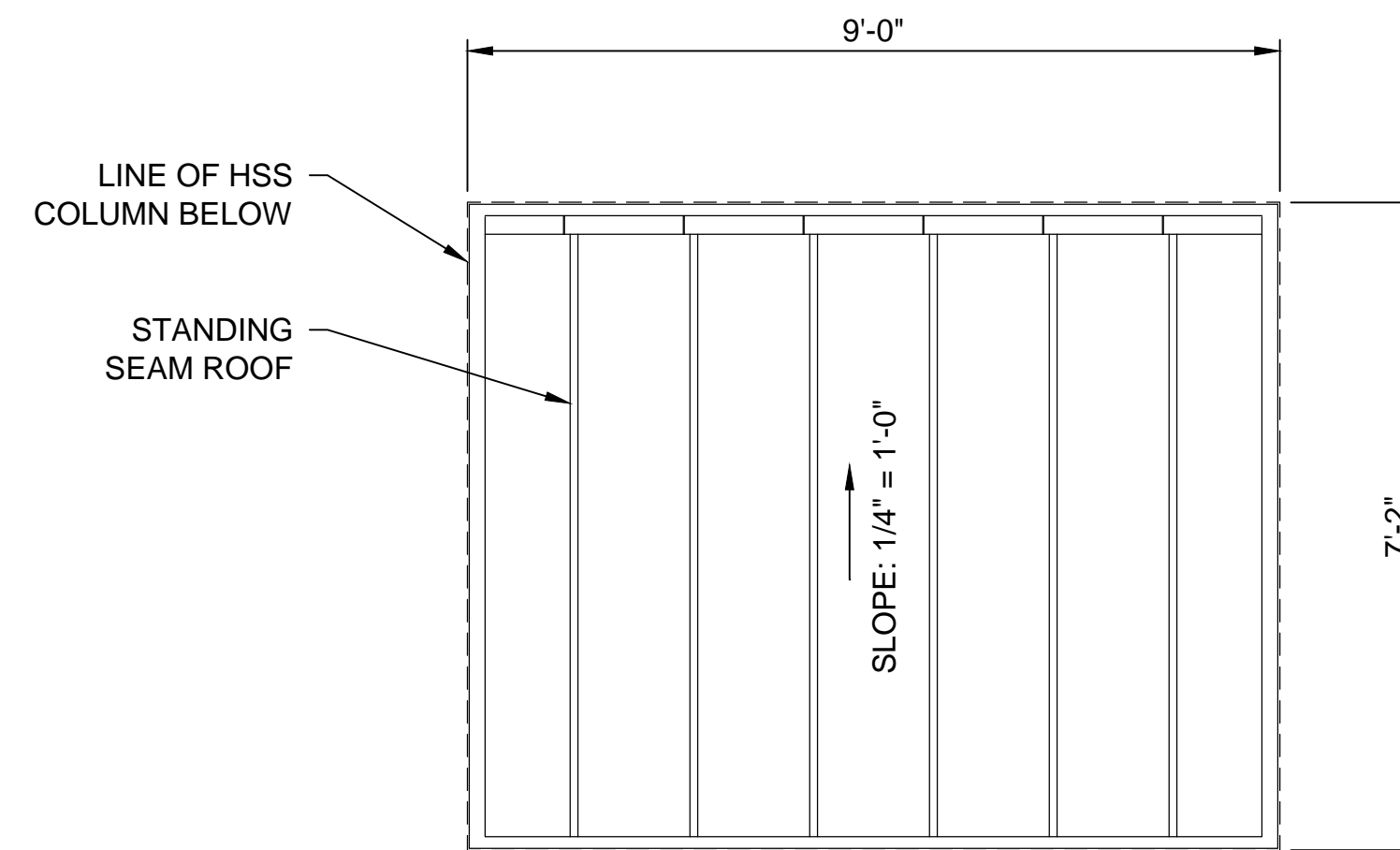




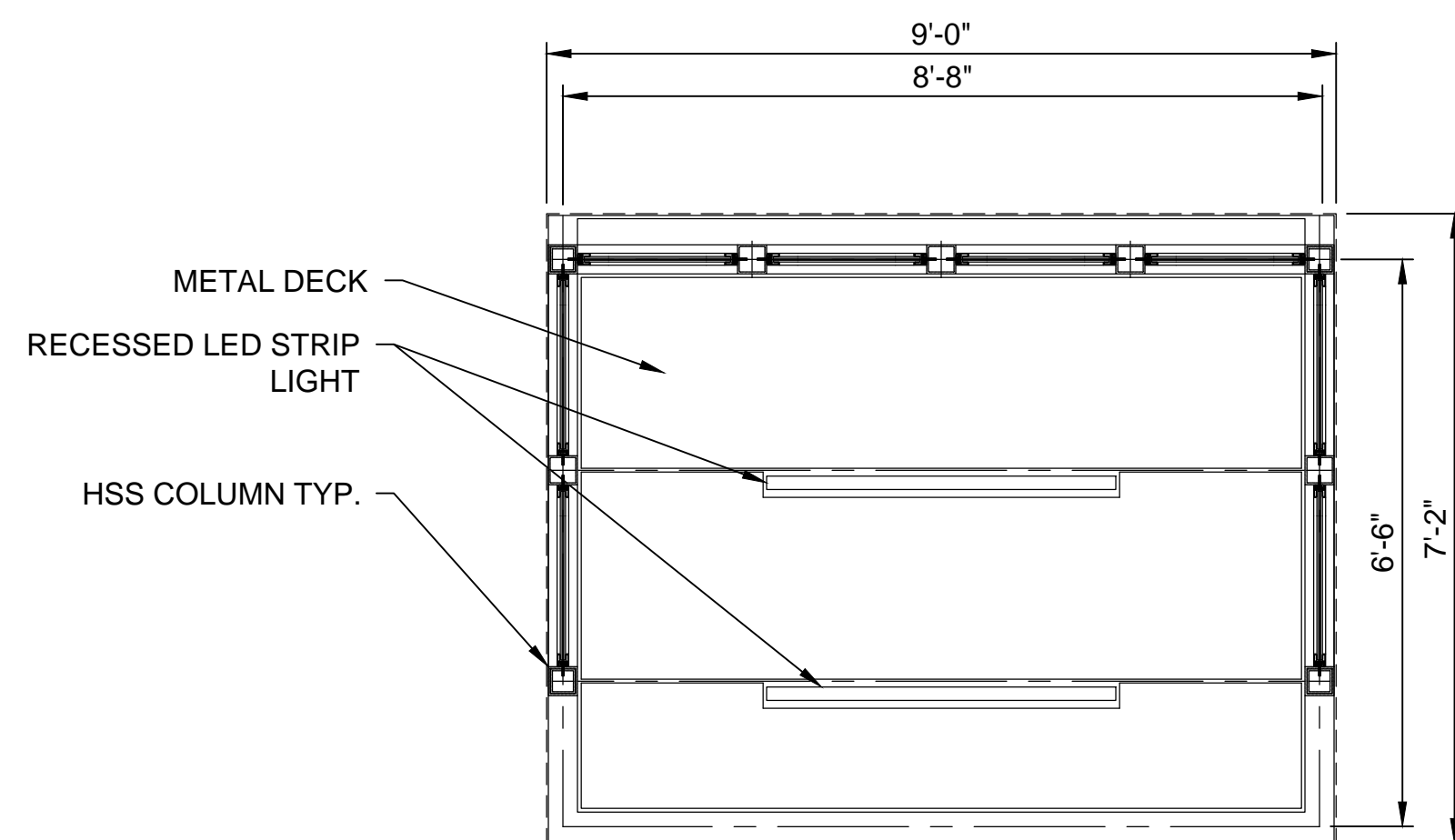
BUS/PARKING SHELTER BASE PLATE SECTION



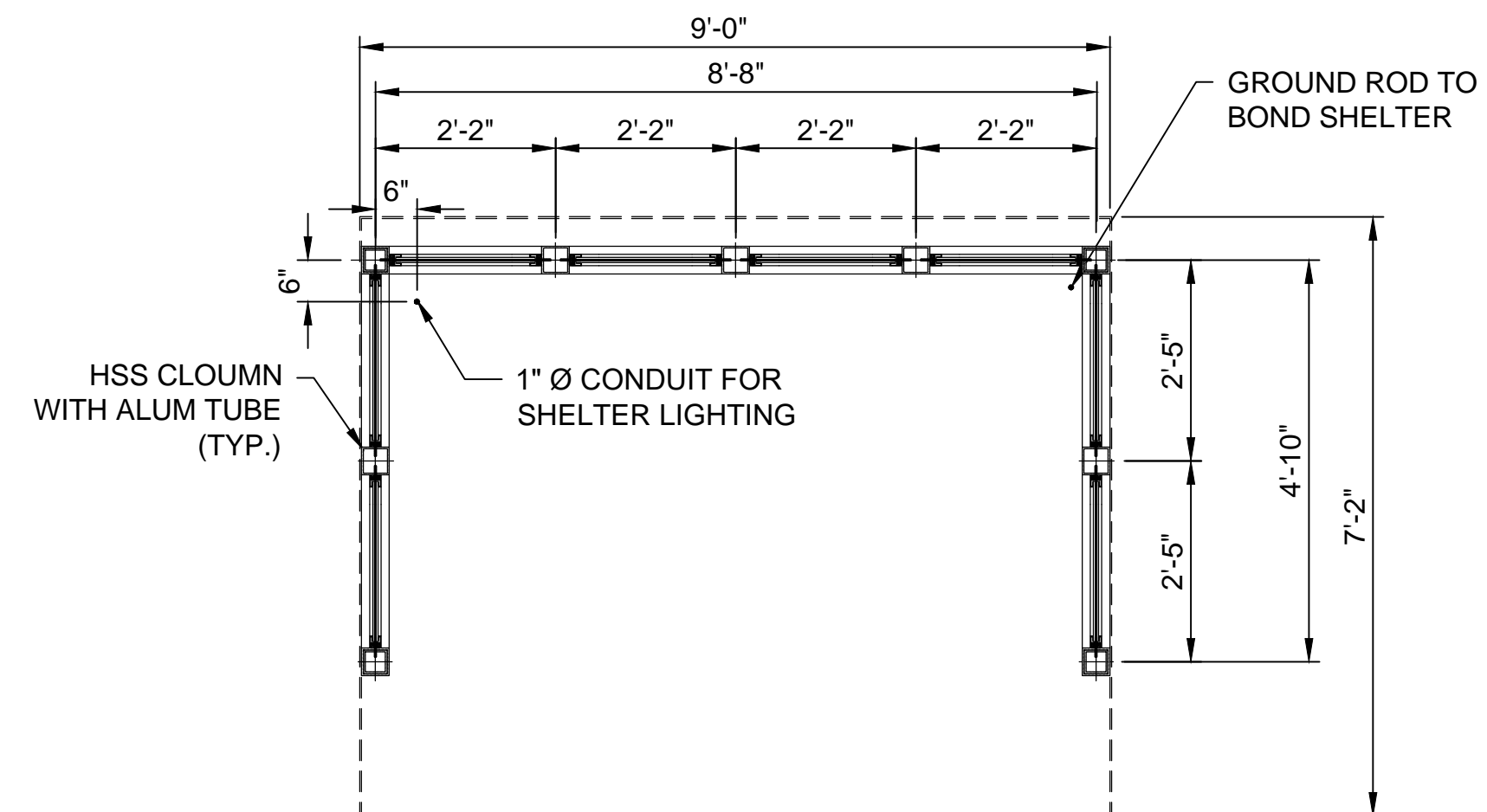
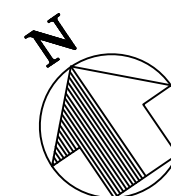
BUS/PARKING SHELTER BASE PLATE PLAN



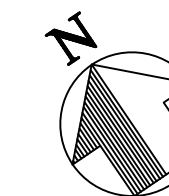
SHELTER ROOF PLAN  
SCALE: 1/2" = 1'-0"



SHELTER REFLECTED CEILING PLAN  
SCALE: 1/2" = 1'-0"



SHELTER FLOOR PLAN  
SCALE: 1/2" = 1'-0"



YangD 8/19/2020 11:25:53 AM

DESIGNED L.M.		IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT. IF THIS DOCUMENT BEARING THE SEAL OF AN ENGINEER/ARCHITECT IS ALTERED, THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	CONFORMED			
DRAWN D.C.Y.						
CHECKED E.B.						
APPROVED E.B.						

NO.	DATE	DRWN	CHKD	APPVD
REVISIONS				

AECOM

MTA Metro-North Railroad

TITLE UPPER HARLEM PARKING IMPROVEMENTS AT CROTON FALLS PACKAGE 2 - SURFACE PARKING LOT		CONTRACT NO. 142486	
STRUCTURAL DETAILS 2 OF 2		SCALE N.T.S.	DATE 08-21-2020
		DRAWING NO. S-101	
		SHEET 105 OF 105	