

**CONFIDENTIAL CRITICAL ENERGY
INFRASTRUCTURE INFORMATION (CEII) HAS
BEEN REDACTED FROM THIS DOCUMENT**

APPENDIX H – SITE PLAN DRAWINGS

DRAWING INDEX	
DRAWING #	DRAWING NAME
	COVER PAGE
F118514	DRAWING NOTES, INDEX NOTES, LEGEND
F118086	EROSION & SEDIMENT CONTROL NOTES
	PROPERTY OWNER INFORMATION
	AERIAL SITE PLAN
F114284	PLOT PLAN
F114285	BUS PLAN
F118082	REMOVAL PLAN
F118083	SITE PLAN
F118085	EROSION & SEDIMENT CONTROL PLAN
F118060	FOUNDATION PLAN
F114287	BUS ELEVATION
F118052	H FRAME FOUNDATION - 26A' SECTIONS, NOTES, AND DETAILS
F118057	AIR CORE REACTOR FOUNDATION 26B' PLAN, SECTIONS, AND DETAILS
F118058	UG/SA STRUCTURE AND GROUND SWITCH W/BUS SUPPORT - 26C' NOTES AND DETAILS
F118059	BUS SUPPORT PIER FOUNDATION 26D' NOTES AND DETAILS
F118087	EROSION AND SEDIMENT CONTROL DETAILS
F118088	CIVIL DETAILS - SHEET 1/3
F118089	CIVIL DETAILS - SHEET 2/3
F118090	CIVIL DETAILS - SHEET 3/3
F118513	PROFILE VIEWS
	FACILITY EQUIPMENT MANUFACTURER-PROVIDED INFORMATION

SURVEY LEGEND:

Manholes

Drainage	(D)
Electric	(E)
Fiber Optic	(FO)
Gas	(G)
Sanitary	(S)
Telephone	(T)
Unidentified	(?)
Water	(W)

Utility Poles

Metal Pole Base	
Metal Pole with Light	
Traffic Light	
Pedestrian Signal	
Wooden Utility Pole	
Wooden Utility Pole with Light	

Miscellaneous

Bike Rack	
Flag Pole	
Guardpost	
Guywire & Anchor	
Handicap Ramp	
Irrigation Box	
Mailbox	
Sign - Single Post	
Sign - Double Post	
Sprinkler	
Standpipe	
Yard Light	

Property Lines

Leased Boundary _____

Rail Boundary _____

Right of Way _____ R _____

Property Boundary _____ R _____

Limits of Disturbance _____ LOD _____

Fences

Chain Link Fence	
Guard Rail	
Metal Fence	
Vinyl Fence	
Wood Fence	

Utility Hardware

Cable TV Box	
Communications Box	
Electric Meter	
Electric Pullbox	
Electric Vault	
Fiber Optic Box	
Gas Marker	
Gas Valve - Main	
Gas Valve - Service	
Gas Vent	
Hydrant	
Hydrant Valve	
Monitoring Well	
Riser - Cable TV	
Riser - Electric	
Riser - Telephone	
Riser - Traffic	
Sewer Cleanout	
Sewer Vent	
Telephone Pullbox	
Traffic Control Cabinet	
Traffic Loop	
Traffic Pullbox	
Unidentified Pullbox	
Unidentified Valve	
Unidentified Vault	
Water Meter	
Water Valve - Main	
Water Valve - Service	

Vegetation

Bush	
Stump	
Tree Located At Center	 6
Hedge	.
Treeline	.

Catch Basins

Flush Gate	
Flush Gate w/ Curb Piece	
Round Gate	

Abbreviations

Aban.	Abandoned
Asph.	Asphalt
Awning	Awning
B. Blk.	Belgian Block
Brk.	Brick
Conc.	Concrete
D=90.6	Debris Elevation
DE	Dead End
EOI	End Of Information
FLD.	Utility Paint Found in Field
G=118.11	Grate Elevation
Inacc.	Inaccessible
INV. 96.82	Pipe Invert Elevation
O.H.	Overhang
R=124.24	Rim Elevation
Rec.	Record
Ret.	Retired
Typ.	Typical

Utilities

CaTV	----	CATV	----
Communications	----	COMM	----
Electric	-----	E	-----
Fiber Optic	-----	FO	-----
Gas	-----	G	-----
Sanitary	-----	SS	-----
Storm	-----	ST	-----
Traffic	-----	TR	-----
Water	-----	W	-----
Unknown	-----	UNK	-----
Overhead Wires	-----		-----

Record

CaTV	_____ CATV(REC)
Communications	_____ COMM(REC)
Electric	_____ E(REC)
Fiber Optic	_____ FO(REC)
Gas	_____ G(REC)
Sanitary	_____ S(REC)
Storm	_____ ST(REC)
Traffic	_____ TR(REC)
Water	_____ W(REC)

NOTES:

1. THE PROPERTY LINES SHOWN IN THIS SET ARE BASED ON ACTUAL FIELD SURVEYS COMPLETED BY SAM-NY GEOSPATIAL INC. DATED MAY 2, 2024 AND OCTOBER 7, 2024 AND FROM DEEDS AND PLANS OF RECORD. OTHER FACILITIES MAY EXIST NOT DISCOVERED THROUGH THE RECORD CHECK. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, BOTH HORIZONTAL AND VERTICAL, OF ALL UTILITIES THROUGH THE APPROPRIATE UTILITY COMPANIES. CALL 811 BEFORE YOU DIG.
2. EXISTING CONDITIONS SHOWN ARE BASED ON PHOTOGRAMMETRY PERFORMED ON NOVEMBER 18, 2025, AUGUST 12, 2025, MARCH 13, 2024, MARCH 12, 2024, AND MARCH 8, 2022 AND SUPPLEMENTED BY AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY COMPLETED IN APRIL 2024, OCTOBER 2024, SEPTEMBER 2025, AND JANUARY 2026 BY SAM-NY GEOSPATIAL INC.
3. PIPE SYSTEM SHALL MAINTAIN A MINIMUM 42" DEPTH OF COVER FROM GRADE TO TOP OF THE PIPE.
4. PIPE SYSTEM SHALL MAINTAIN 1'-0" VERTICAL & HORIZONTAL MINIMUM CLEARANCE OVER/UNDER OR ADJACENT TO EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON DRAWINGS.
5. CONDUIT SYSTEM AND SPLICE VAULT LOCATIONS ARE SUBJECT TO ADJUSTMENT DUE TO UNFORESEEN CONDITIONS. ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO APPROVE ANY ADJUSTMENTS.
6. CONTRACTOR SHALL RETURN ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL, OR BETTER CONDITIONS.
7. ALL OPEN TRENCHES AND EXCAVATIONS SHALL BE PLATED AT THE COMPLETION OF EACH DAY'S WORK.
8. HORIZONTAL DATUM IS IN NAD83 NEW YORK STATE PLANE, LONG ISLAND, US SURVEY FOOT.
9. VERTICAL DATUM IS NAVD88, US SURVEY FOOT.
10. ASSUMED DEPTHS OF UNKNOWN UTILITIES:
 - WATER: 5'
 - STORM AND SANITARY SEWER: 3'
 - GAS: 3'
 - ELECTRIC: 3'
 - TELEPHONE: 2.5'
 - TRAFFIC: 3'
11. CONTRACTOR SHALL COORDINATE WITH PSEG LONG ISLAND ON RESTORATION TYPE AND LIMITS TO CONFORM TO INDIVIDUAL MUNICIPALITIES.
12. CONTRACTOR SHALL PROVIDE PAVEMENT RESTORATION TO MATCH OR IMPROVE, WITH INPUT FROM LOCAL AGENCY WITH JURISDICTION, OF ALL IMPACTED IMPERVIOUS SURFACES DURING CONSTRUCTION.
13. CONTRACTOR SHALL FOLLOW ALL ENVIRONMENTAL GUIDELINES REQUIRED BY THE STATE OF NEW YORK AND/OR THE TOWN OF HEMPSTEAD. CONTRACTOR SHALL COORDINATE WITH PSEG LONG ISLAND ON EROSION CONTROL REQUIREMENTS AND METHODS.
14. CONSTRUCTION MEANS, METHODS, AND ASSOCIATED SAFETY PROCEDURES FOR THIRD-PARTY INFRASTRUCTURE WILL BE DETERMINED BY THE CIVIL CONTRACTOR AND COORDINATED AS REQUIRED DURING EXECUTION.
15. LIMITS OF DISTURBANCE EXTENDED BETWEEN PROPERTY LINES.
TOTAL LIMITS OF DISTURBANCE = 2.42 ACRES
16. DEMOLITION OF EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO BUILDINGS, STRUCTURES, PAVEMENT, WELLS, SEPTIC, SANITARY SEWER, FENCES, TREES, ETC. SHALL BE PER THE DIRECTION OF THE ENGINEER AND SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

REFERENCE DRAWINGS:

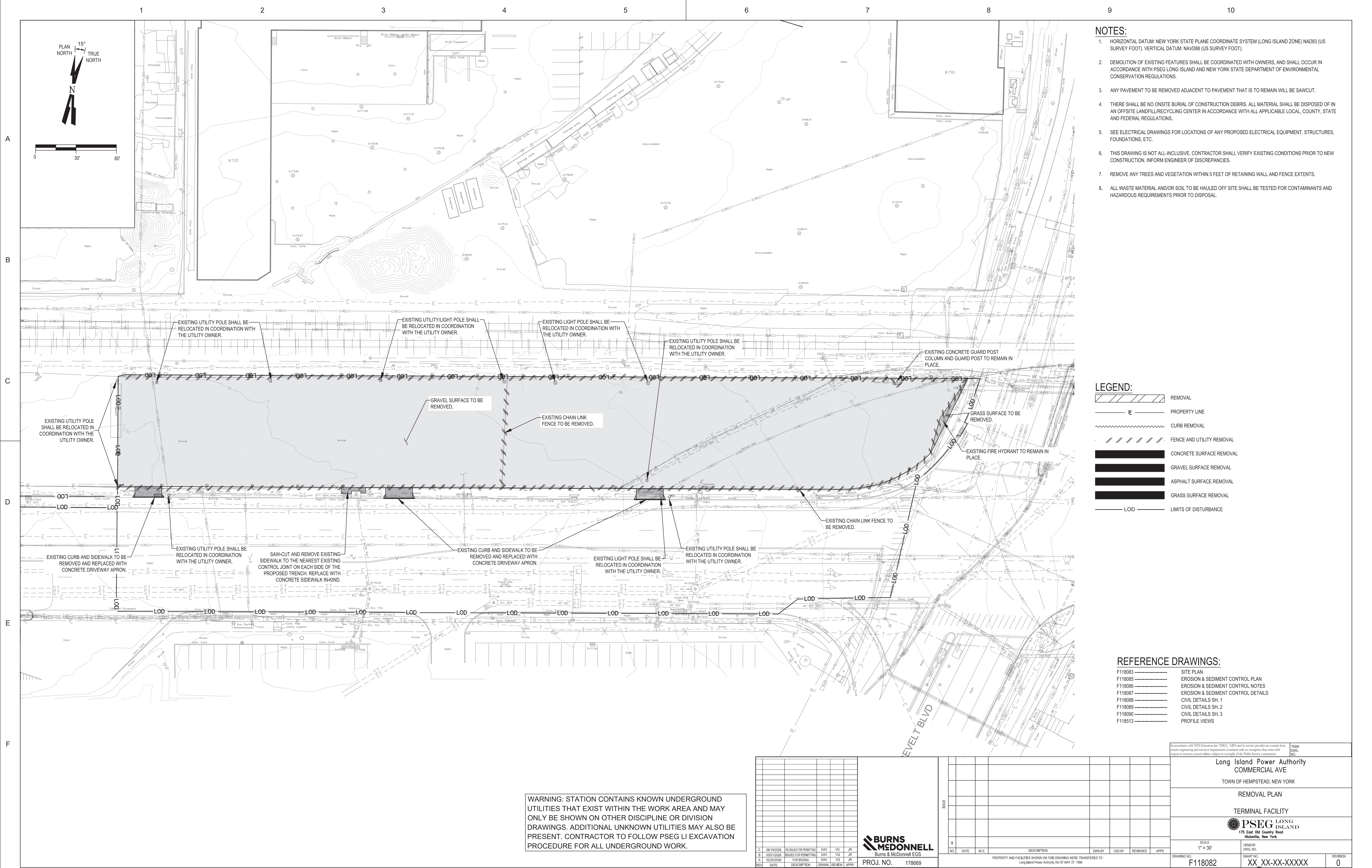
F118082 ----- REMOVAL PLAN
F118083 ----- SITE PLAN
F118085 ----- EROSION & SEDIMENT CONTROL PLAN
F118086 ----- EROSION & SEDIMENT CONTROL NOTES
F118087 ----- EROSION & SEDIMENT CONTROL DETAILS
F118088 ----- CIVIL DETAILS SH. 1
F118089 ----- CIVIL DETAILS SH. 2
F118090 ----- CIVIL DETAILS SH. 3
F118513 ----- PROFILE VIEWS

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

THIS APPROVAL SHALL NOT RELIEVE
THE CONTRACTOR FROM ENTIRE
RESPONSIBILITY FOR DIMENSIONAL
ACCURACY, CONFORMANCE WITH
REFERENCED SPECIFICATIONS, CODES
AND ALL LIABILITY UNDER CONTRACT.

PER: _____
DATE: _____

												Long Island Power Authority COMMERCIAL AVE TOWN OF HEMPSTEAD, NEW YORK DRAWING NOTES, INDEX NOTES, LEGEND TERMINAL FACILITY  PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York					
												SCALE NTS DRAWING NO. F118514					
												VENDOR DWG. NO. SMART NO. XX XX-XX-XXXXX REVISION 0					
												SYSTEM GRID NUMBER					
												CABINET NO. FOLDER NO.					



- NOTES:**
- HORIZONTAL DATUM: NEW YORK STATE PLANE COORDINATE SYSTEM (LONG ISLAND ZONE) NAD83 (US SURVEY FOOT). VERTICAL DATUM: NAVD88 (US SURVEY FOOT).
 - DEMOLITION OF EXISTING FEATURES SHALL BE COORDINATED WITH OWNERS, AND SHALL OCCUR IN ACCORDANCE WITH PSEG LONG ISLAND AND NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION REGULATIONS.
 - ANY PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN WILL BE SAWCUT.
 - THERE SHALL BE NO ONSITE BURIAL OF CONSTRUCTION DEBRIS. ALL MATERIAL SHALL BE DISPOSED OF IN AN OFFSITE LANDFILL/RECYCLING CENTER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.
 - SEE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY PROPOSED ELECTRICAL EQUIPMENT, STRUCTURES, FOUNDATIONS, ETC.
 - THIS DRAWING IS NOT ALL-INCLUSIVE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO NEW CONSTRUCTION. INFORM ENGINEER OF DISCREPANCIES.
 - REMOVE ANY TREES AND VEGETATION WITHIN 5 FEET OF RETAINING WALL AND FENCE EXTENTS.
 - ALL WASTE MATERIAL AND/OR SOIL TO BE HAULED OFF SITE SHALL BE TESTED FOR CONTAMINANTS AND HAZARDOUS REQUIREMENTS PRIOR TO DISPOSAL.

- LEGEND:**
- REMOVAL
 - PROPERTY LINE
 - CURB REMOVAL
 - FENCE AND UTILITY REMOVAL
 - CONCRETE SURFACE REMOVAL
 - GRAVEL SURFACE REMOVAL
 - ASPHALT SURFACE REMOVAL
 - GRASS SURFACE REMOVAL
 - LIMITS OF DISTURBANCE

- REFERENCE DRAWINGS:**
- F118083 SITE PLAN
 - F118085 EROSION & SEDIMENT CONTROL PLAN
 - F118086 EROSION & SEDIMENT CONTROL NOTES
 - F118087 EROSION & SEDIMENT CONTROL DETAILS
 - F118088 CIVIL DETAILS SH. 1
 - F118089 CIVIL DETAILS SH. 2
 - F118090 CIVIL DETAILS SH. 3
 - F118513 PROFILE VIEWS

WARNING: STATION CONTAINS KNOWN UNDERGROUND UTILITIES THAT EXIST WITHIN THE WORK AREA AND MAY ONLY BE SHOWN ON OTHER DISCIPLINE OR DIVISION DRAWINGS. ADDITIONAL UNKNOWN UTILITIES MAY ALSO BE PRESENT. CONTRACTOR TO FOLLOW PSEG LI EXCAVATION PROCEDURE FOR ALL UNDERGROUND WORK.

C06/19/2026RE-SS-ED FOR PERMITTINGKAVVGJR

B05/01/2026ISSUED FOR PERMITTINGKAVVGJR

A02/20/2026FOR BIDDINGKAVVGJR

REVDATEDESCRIPTIONDRAWNREVIEWAPPR

BURNS & MCDONNELL

Burns & McDonnell EGS

PROJ. NO.178669

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
0							

Long Island Power Authority
COMMERCIAL AVE
TOWN OF HEMPSTEAD, NEW YORK

REMOVAL PLAN

TERMINAL FACILITY

PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE
1" = 30'

DRAWING NO.
F118082

VENDOR
DWG. NO.
XX XX-XX-XXXXX

REVISION
0

SYSTEM
GRID NUMBER

CABINET NO.

FOLDER NO.

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A

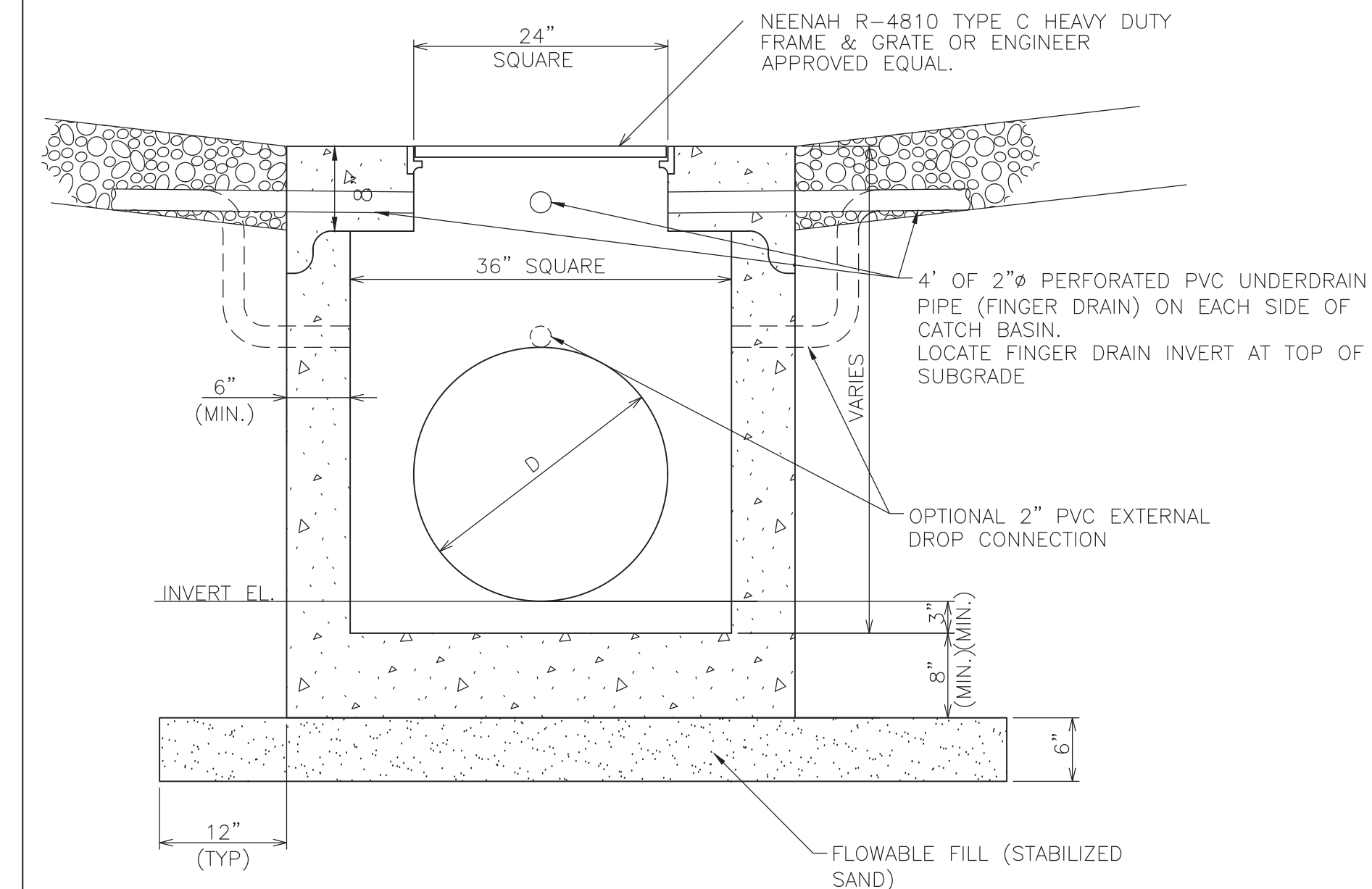
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C

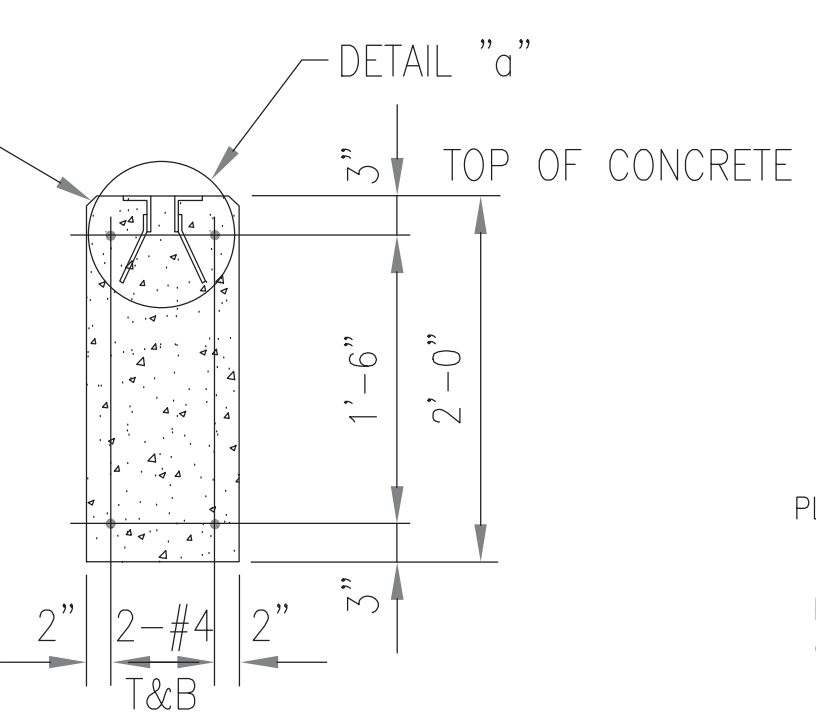
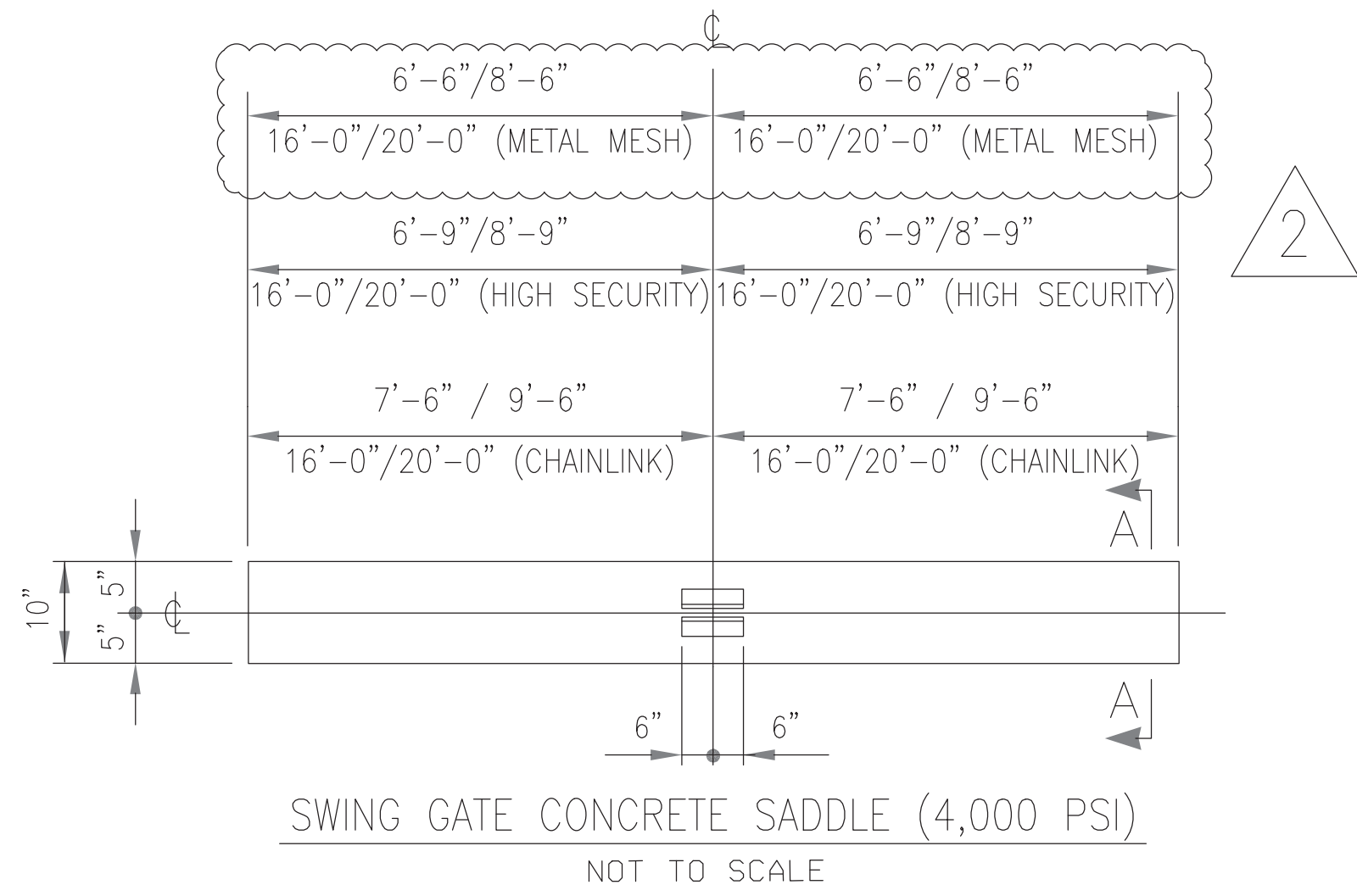
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E

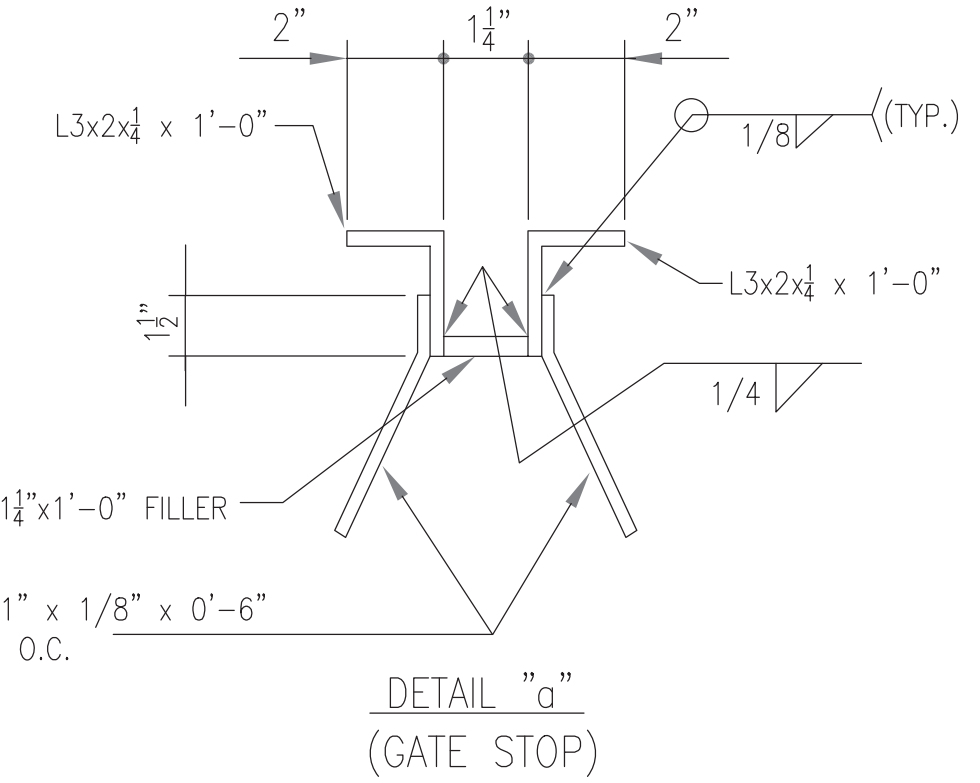
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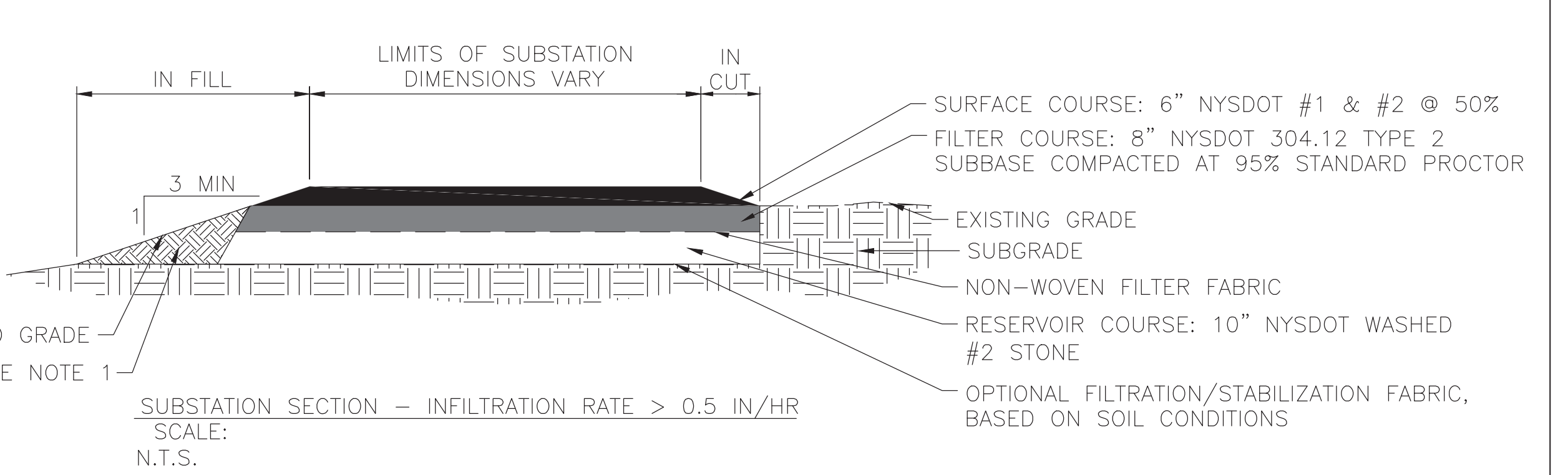
- NOTES:
- ALL CATCH BASINS ARE TO BE PRECAST CONCRETE AND HS-20 RATED FOR HEAVY LOADING.
 - REINFORCEMENT IN ALL SECTIONS SHALL EQUAL OR EXCEED ASTM C913 SPECIFICATIONS.
 - CLEARANCE TOLERANCE OF PIPE OPENINGS: THE MAXIMUM ALLOWABLE PIPE OPENING ON A HORIZONTAL AXIS SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 12". THE MAXIMUM ALLOWABLE PIPE OPENING ON VERTICAL AXIS SHALL BE THE OUTSIDE DIAMETER PLUS 8". THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE SURFACE OF AN INSTALLED PIPE AND CONCRETE OF THE CATCH BASIN SHALL BE 2".
 - INSTALLATION OF PIPE OPENINGS: ALL REQUIRED PIPE OPENINGS SHALL BE PLAN CAST IN CATCH BASIN UNITS. FIELD ALTERATIONS OF OPENINGS WILL BE PERMITTED PROVIDED WALLS ARE SCORED WITH A MASONRY SAW TO A DEPTH SUFFICIENT TO SEVER REINFORCING STEEL. A CHIPPING HAMMER MAY THEN BE USED TO REMOVE THE CONCRETE.



SECTION A - A



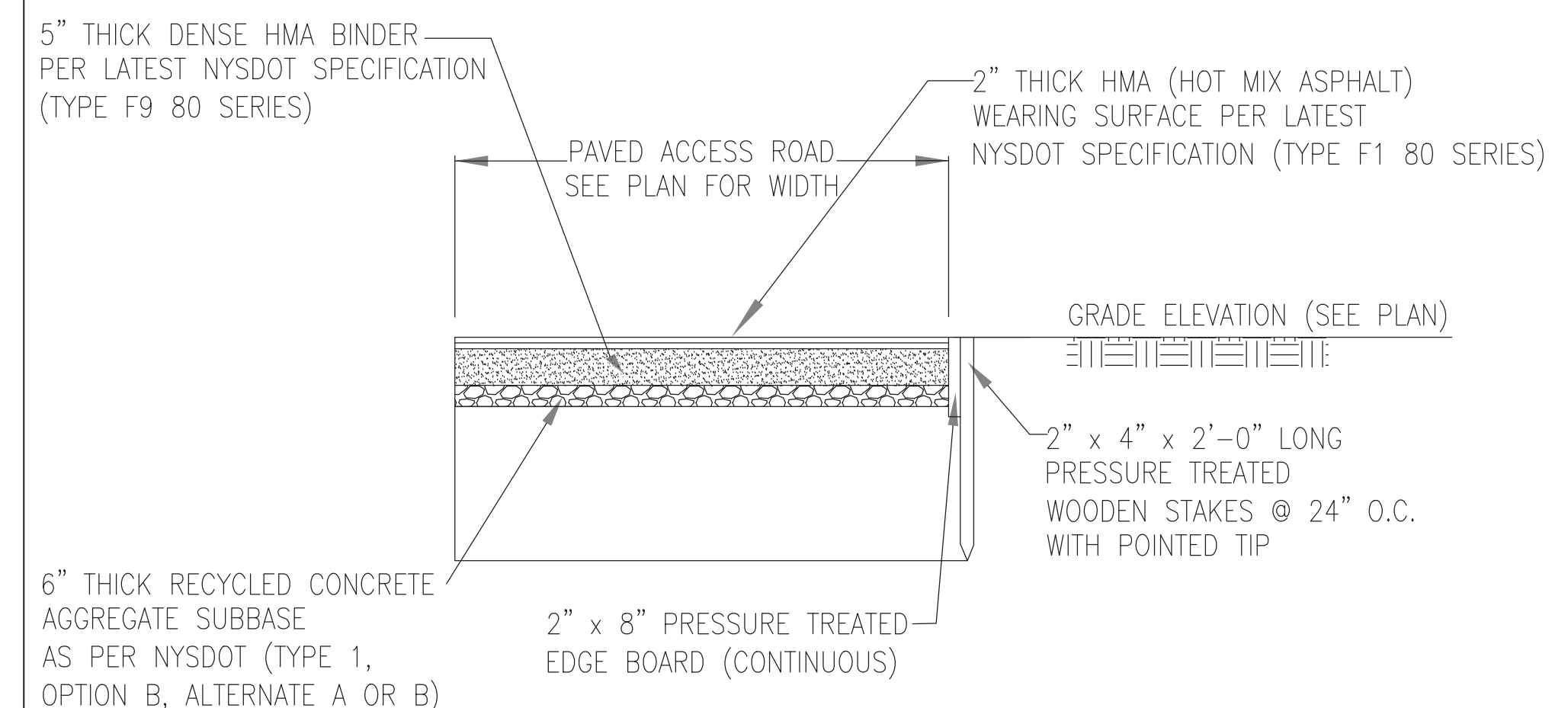
- CONCRETE SADDLE NOTES:
- ALL REINFORCING SHALL BE ASTM-615, GRADE 60, DEFORMED BILLET STEEL, EPOXY COATED PER ASTM A-775.
 - CONCRETE TO BE READY MIX CONFORMING TO ASTM C-94 AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
 - ALL STEEL MEMBERS TO BE A-36 STEEL, FABRICATED AND WELDED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.
 - ALL WELDS TO BE CONTINUOUS AND WATERTIGHT.
 - ALL STEEL TO BE HOT-DIPPED GALVANIZED AFTER WELDING IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.



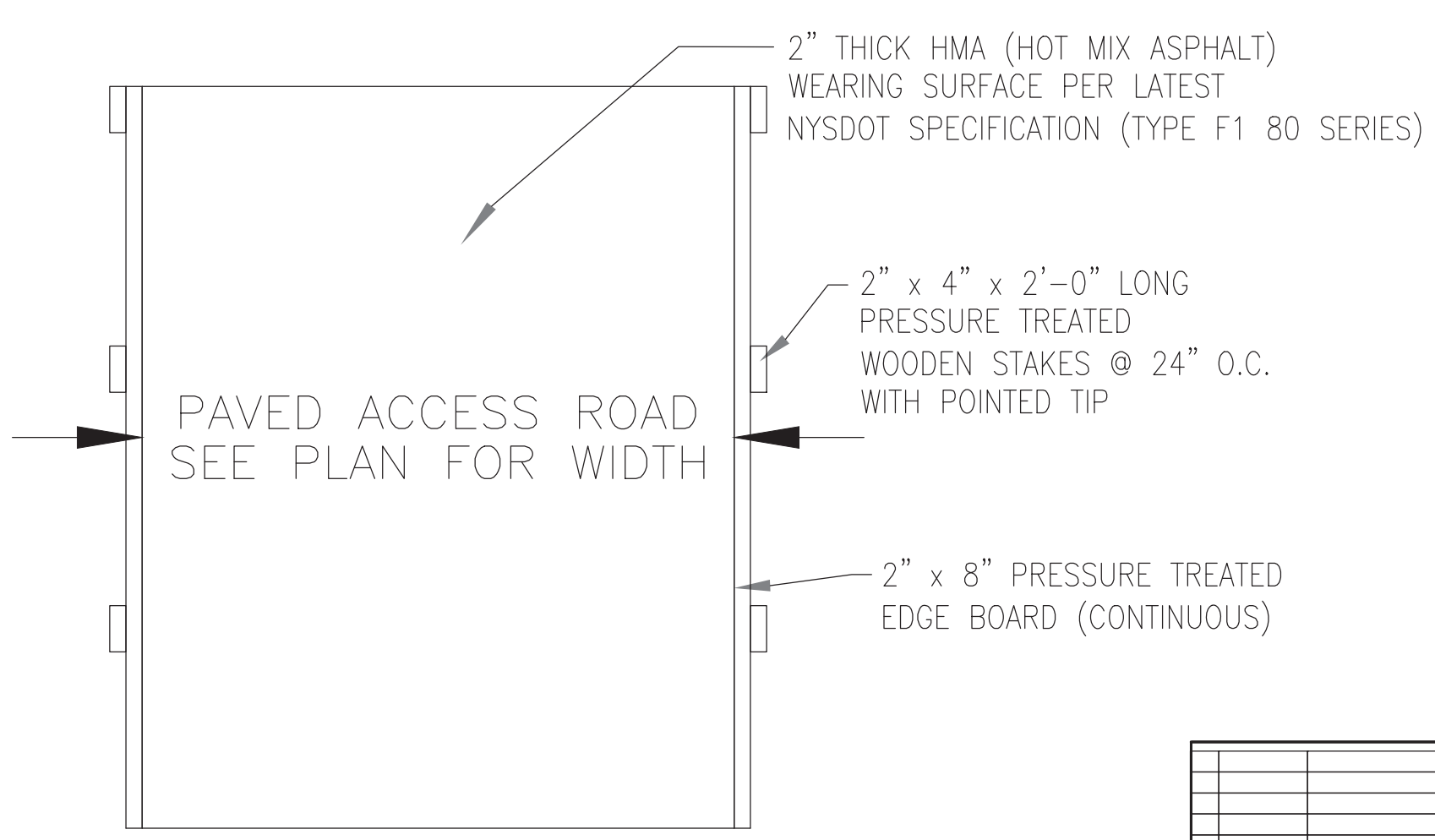
- NOTES:
- ALL FILL USED FOR SIDE SLOPES SHALL BE ONSITE MATERIAL FROM AREA CUT TO CREATE THE SUBSTATION OR SHALL BE OFFSITE FILL COMPACTED TO HAVE AN INFILTRATION RATE LESS THAN THE SUBSTATION SUBGRADE.
 - NATIONAL GRID (NG) TOGETHER WITH THE CONSULTING FIRM, ENVIRONMENTAL DESIGN & RESEARCH (EDIR), PREPARED A NYSDEC STORMWATER MANAGEMENT PROTOTYPE SYSTEM (SYSTEM), WHICH MAY BE APPLICABLE TO SUBSTATION PROJECTS. THE USER ASSUMES THE SOLE RESPONSIBILITY FOR THE USE OF THIS SYSTEM, ITS APPLICABILITY TO THE PROJECT SITE, AND VERIFICATION OF THE APPROPRIATE USE AND COMPLIANCE WITH VILLAGE, TOWN, CITY, COUNTY, STATE, AND FEDERAL STORMWATER REQUIREMENTS FOR THIS LOCATION.

SUBSTATION SECTION - INFILTRATION RATE > 0.5 IN/HR NOT TO SCALE

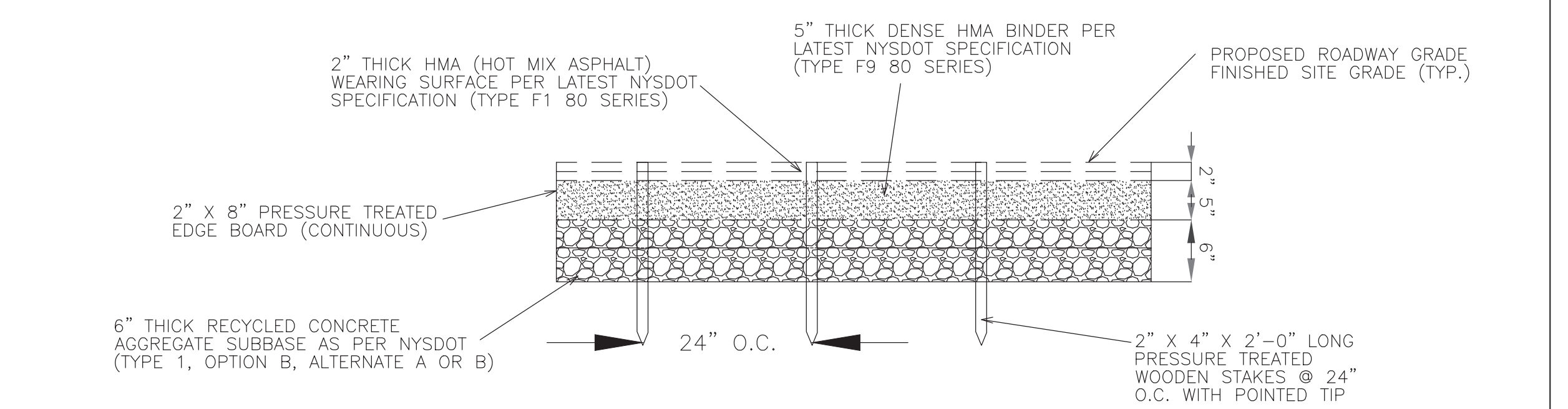
CATCH BASIN DETAIL NOT TO SCALE



TYPICAL SECTION OF PAVED ROAD NOT TO SCALE



TYPICAL PLAN OF PAVED ROAD NOT TO SCALE



TYPICAL SIDE VIEW OF PAVED ROAD NOT TO SCALE

- NOTES:
- PROPOSED ROADWAY GRADE TO MATCH FINISHED SITE GRADE AT ALL LOCATIONS (TYP.)

NOTE: FOR ANY CONFLICTS BETWEEN THE LIPA DRAWINGS AND NEW YORK STATE REQUIREMENTS THE NEW YOUR STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION, SHALL APPLY AS THE MINIMUM STANDARDS.

C				06/19/2026				RE-ISSUED FOR PERMITTING				KAV				VG				JR			
B				05/01/2026				ISSUED FOR PERMITTING				KAV				VG				JR			
A				02/20/2026				FOR BIDDING				KAV				VG				JR			
REV				DATE				DESCRIPTION				DRAWN				REVIEW				APPR			

BURNS & McDONNELL
EGS

PROJ. NO.		178669	
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NO.		DATE		W.O.		DESCRIPTION		DWN BY		CKD BY		REVIEWED		APPD	
0															

PROPERTY AND FACILITIES SHOWN ON THIS DRAWING WERE TRANSFERRED TO Long Island Power Authority AS OF MAY 27, 1998

DRAWING NO.		F118088	
SMART NO.		XX XX-XX-XXXXX	
REVISION		0	

SYSTEM GRID NUMBER		CABINET NO.		FOLDER NO.	
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Long Island Power Authority
COMMERCIAL AVE
TOWN OF HEMPSTEAD, NEW YORK

CIVIL DETAILS
TERMINAL YARD - SECTIONS & DETAILS
TERMINAL FACILITY

PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE AS NOTED		VENDOR DWG. NO.	
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NOTE: FOR ANY CONFLICTS BETWEEN THE LIPA DRAWINGS AND NEW YORK STATE REQUIREMENTS THE NEW YOUR STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION, SHALL APPLY AS THE MINIMUM STANDARDS.



PROPERTY AND FACILITIES SHOWN ON THIS DRAWING WERE TR
Long Island Power Authority AS OF MAY 27, 1990

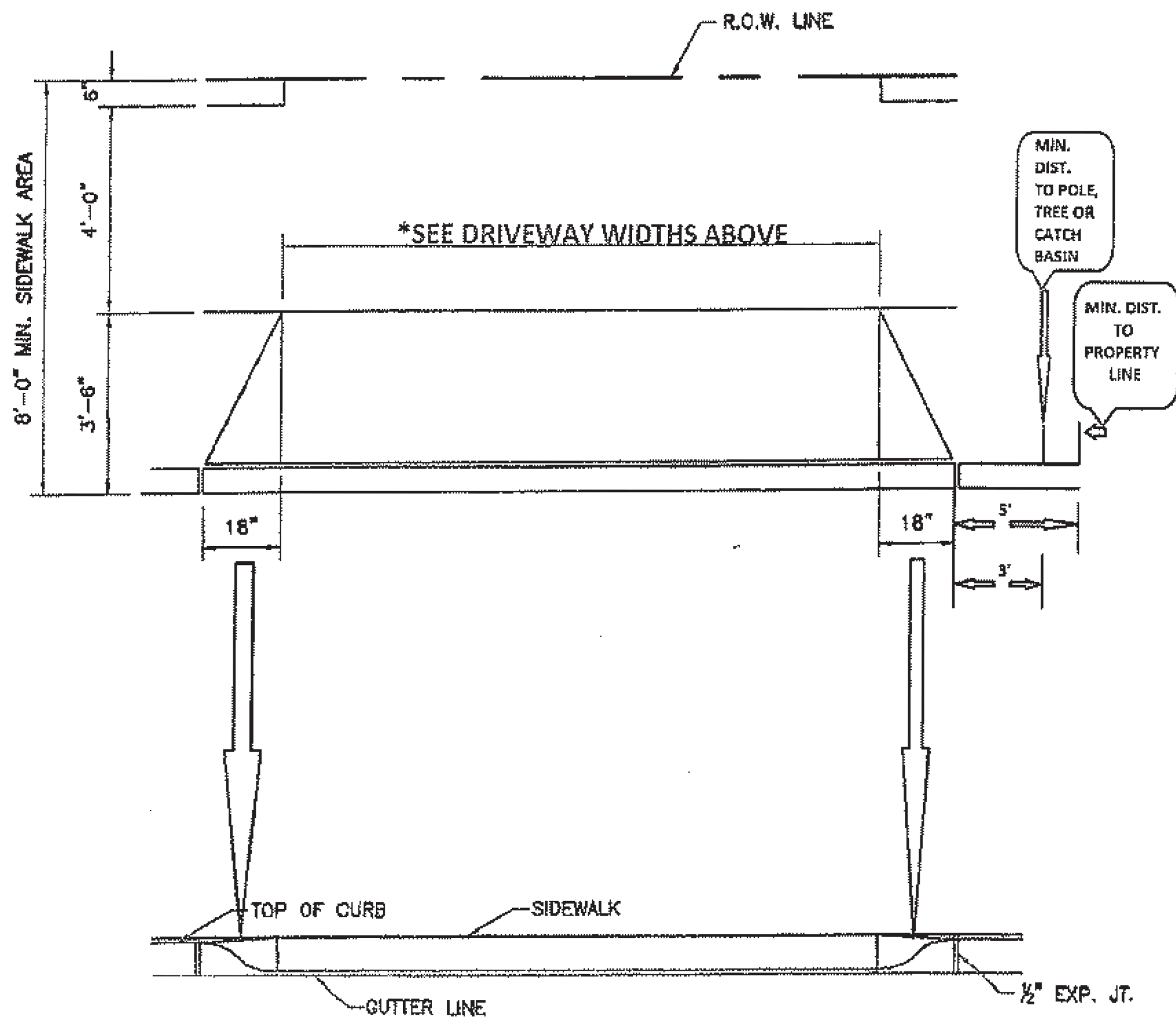
In accordance with NYS Education Law §2801(1), LIPA and its service provider are exempt from certain engineering and surveying requirements consistent with an exemption that exists with respect to income-earned salaries subject to oversight of the Public Service Commission.		TEMP DWG. NO.
Long Island Power Authority COMMERCIAL AVE TOWN OF HEMPSTEAD, NEW YORK		
CIVIL DETAILS FENCE AND GATES - SECTIONS & DETAILS TERMINAL FACILITY		
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York		
SCALE AS NOTED	VENDOR DWG. NO.	
DRAWING NO. F118089	SMART NO. XX XX-XX-XXXXX	REVISION 0

- NOTES:
1. ALL FENCE POSTS, TOP RAIL, TRUSS BRACES, GATES, GATE HINGES, BARBED WIRE, LATCHES, ETC. SHALL BE IN ACCORDANCE WITH INDUSTRIAL STEEL SPECIFICATIONS FOR FENCE POSTS, GATES AND ACCESSORIES OF THE CHAIN LINK MANUFACTURERS INSTITUTE AND WITH ASTM SPECIFICATION FOR GALVANIZED MATERIAL.
 2. CHAIN LINK FENCE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-392. IT SHALL BE WOVEN OF 9 GAUGE GOOD COMMERCIAL QUALITY STEEL WIRE HOT-DIPPED GALVANIZED AFTER WEAVING TO CLASS II WEIGHT OF COATING, NOT LESS THAN 2.0 OZ. PER SQUARE FOOT OF ACTUAL WIRE SURFACE COVERED. THE FABRIC SHALL BE MADE OF 2 INCH DIAMOND MESH AND SHALL BE CONTINUOUS IN EACH ROLL WITHOUT SPLICES.
 3. ALL FENCING SHALL HAVE "V" TYPE EXTENSION ARMS EXTENDING OUTWARD AT AN ANGLE OF 45 DEGREES AND EQUIPPED WITH 6 ROWS OF 2 STRAND BARBED WIRE (3 ROWS INSIDE, 3 ROWS OUTSIDE). THE "V" TYPE EXTENSION ARMS SHALL BE CAPABLE OF WITHSTANDING A 250 LB. LOAD APPLIED AT THE OUTER BARBED WIRE STRAND.
 4. TENSION BARS SHALL BE ONE PIECE LENGTHS EQUAL TO THE FULL HEIGHT OF THE FABRIC WITH A MINIMUM CROSS-SECTION OF 3/16 IN. BY 3/4 IN. BANDS SHALL BE SPACED NOT MORE THAN 14 IN. O.C. TO SECURE TENSION BARS TO TERMINAL, CORNER AND GATE POSTS. HARDWARE SHALL BE ATTACHED SO AS TO BE NON-REMOVABLE FROM OUTSIDE OF FENCE.
 5. TOP & BOTTOM RAILS SHALL BE 1.65 INCH O.D. SCHEDULE 40 PIPE.
 6. POST TOPS SHALL BE THE COMBINATION TYPE WITH BARBED WIRE SUPPORTING ARMS AND HOLES SUITABLE FOR THE THROUGH PASSAGE OF THE TOP RAIL.
 7. TRUSS BRACES SHALL BE 1.65 IN. O.D. SCHEDULE 40 PIPE. DIAGONAL TRUSS RODS SHALL BE ADJUSTABLE, 3/8 INCH DIAMETER RODS.
 8. WIRE TIES USED FOR TYING FABRIC TO LINE POSTS SHALL BE A MINIMUM OF 9 GAUGE ALUMINUM WIRE TIES, SPACED 14 INCHES O.C. FOR TYING FABRIC TO BRACES, USE 9 GAUGE ALUMINUM WIRE TIES, SPACED 24 INCHES O.C. FOR TYING FABRIC TO TENSION WIRE, USE 11 GAUGE HOG RINGS SPACED 24 INCHES O.C.
 9. TERMINAL AND CORNER POSTS SHALL BE 2.875 INCHES O.D., SCHEDULE 40 PIPE AND AT LEAST 3.5 FT. LONGER THAN THE FENCE FABRIC HEIGHT. LINE POSTS SHALL BE 2.375 INCHES O.D., SCHEDULE 40 PIPE AND AT LEAST 3.0 FT. LONGER THAN THE FENCE FABRIC HEIGHT. GATE POSTS SHALL BE 4.0 INCHES O.D., SCHEDULE 40 PIPE AND AT LEAST 3.5 FT. LONGER THAN THE FENCE FABRIC HEIGHT.
 10. GATE PERIMETER FRAMING SHALL BE 1.90 INCHES O.D., SCHEDULE 40 PIPE, WHILE THE INTERNAL GATE BRACING SHALL BE 1.65 INCHES O.D. ALL GATES SHALL HAVE EXTENSION ARMS FOR THE THREE STRANDS OF BARBED WIRE AND SHALL BE VERTICAL.
 11. GATE HINGES SHALL BE PRESSED STEEL OR MALLEABLE IRON TO SUIT. GATE SIZE, NON-LIFT OFF TYPE TO PERMIT OPERATION FROM EITHER SIDE OF GATE. PROVIDE ONE PAIR OF HINGES FOR EACH LEAF. GATE LATCH SHALL BE FORKED TYPE TO PERMIT OPERATION FROM EITHER SIDE OF GATE. PROVIDE PADLOCK EYE AS INTEGRAL PART OF LATCH. PROVIDE KEEPERS FOR ALL GATES WHICH AUTOMATICALLY ENGAGE THE GATE LEAF AND HOLD IT IN THE OPEN POSITION UNTIL MANUALLY RELEASED. PROVIDE GATE STOPS FOR THE DOUBLE GATES CONSISTING OF MUSHROOM TYPE OF FLUSH PLATE WITH ANCHORS. GATE STOPS SHALL BE SET IN CONCRETE TO ENGAGE THE CENTER DROP ROD OR PLUNGER BAR. PROVIDE LOCKING DEVICE AND PADLOCK EYES AS AN INTEGRAL PART OF THE LATCH, REQUIRING PADLOCK FOR LOCKING BOTH GATE LEAVES.
 12. ALL PIPE WHICH IS TO BE USED FOR POST RAILS, BRACES, ETC. SHALL BE IN ACCORDANCE WITH ASTM F1083 "STANDARD SPECIFICATION FOR PIPE, STEEL, HOT-DIPPED, ZINC-COATED (GALVANIZED) WELDED, FOR FENCE STRUCTURES".
 13. ALL POSTS SHALL BE SET IN CONCRETE FOUNDATIONS AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI IN 28 DAYS. CONCRETE PLACEMENT AND DESIGN SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 301 AND ACI 318 CODES, RESPECTIVELY. PROVISIONS SHALL BE MADE FOR CURING AND PROTECTION OF CONCRETE IN EXTREME WEATHER CONDITIONS.

CONCRETE MUST BY NASSAU COUNTY CLASS 'A' ONLY

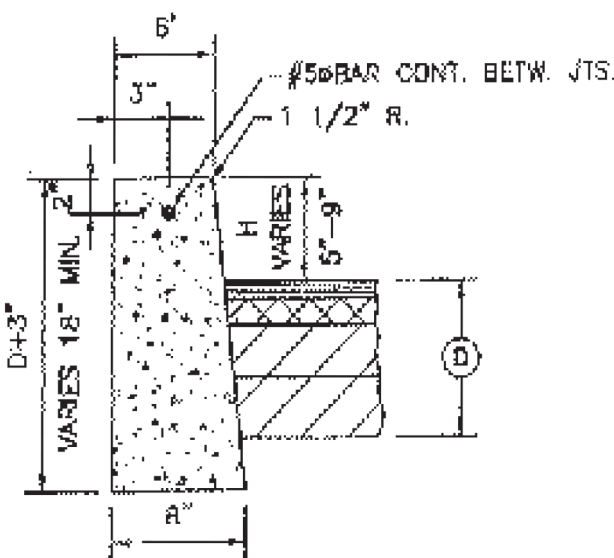
CONCRETE MUST BE FROM AN APPROVED PLANT ONLY

*COMMERCIAL ONE WAY - MINIMUM 20' MAXIMUM 30'



AS OF OCT 2015

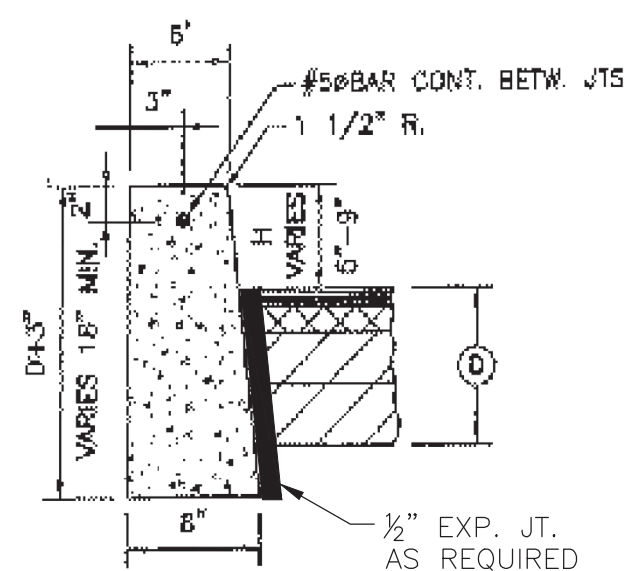
PAGE 5 OF 9



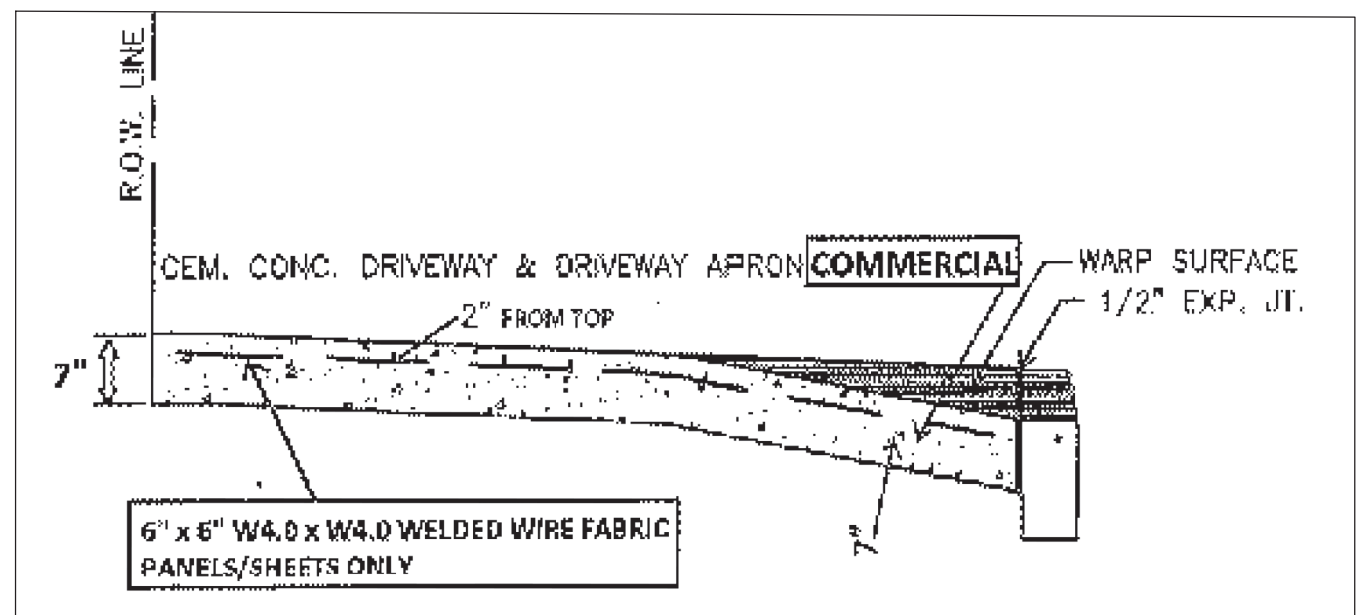
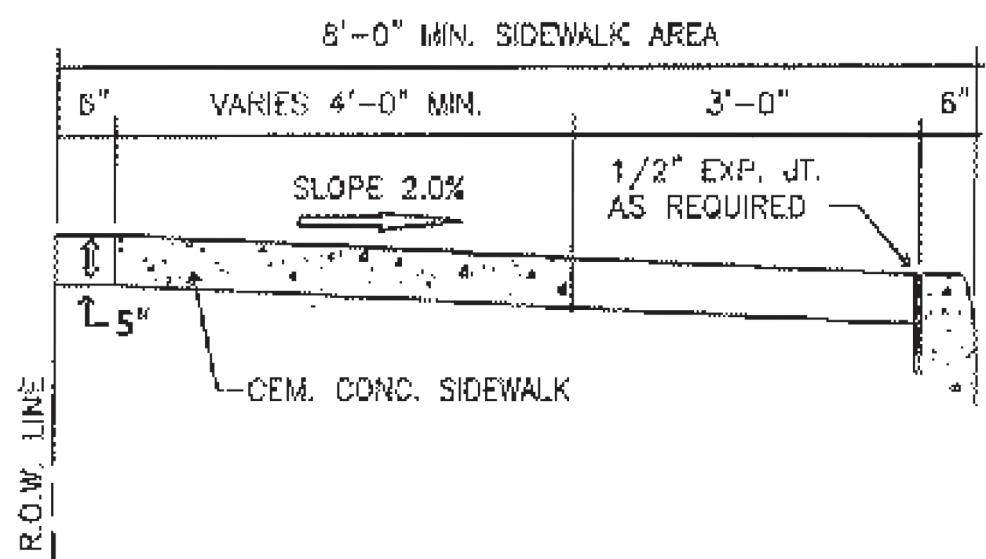
STANDARD CURB

CONCRETE MUST BY NASSAU COUNTY CLASS 'A' ONLY

CONCRETE MUST BE FROM AN APPROVED PLANT ONLY



STANDARD CURB W/ EXPANSION JOINT



CONCRETE MUST BY NASSAU COUNTY CLASS 'A' ONLY

CONCRETE MUST BE FROM AN APPROVED PLANT ONLY

AS OF OCT 2015

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GENERAL NOTES:

1. ALL WORK MUST FOLLOW THE NASSAU COUNTY 2009 SPECIFICATIONS.
2. NASSAU COUNTY CLASS A CONCRETE ONLY.
3. ALL EXPANSION JOINTS MUST BE 1/2" THICK AND FULL DEPTH (EX. 5' SIDEWALK = 5' EXPANSION JOINT).
4. 2 X 6 LUMBER (FORMS) ARE TO BE USED FOR 5' SIDEWALKS.
5. 2 X 8 LUMBER (FORMS) ARE TO BE USED FOR 7' SIDEWALKS AND APRONS FOR COMMERCIAL DRIVEWAYS.
6. EXPANSION JOINTS ARE TO BE PLACED EVERY 20' OF SIDEWALK AND CURB.
7. EXPANSION MATERIAL IS TO BE USED AROUND ALL UTILITY POLES AND HYDRANTS.
8. PVC PIPE SLEEVES SHALL BE PLACED AROUND ALL SIGNPOSTS THAT ARE LOCATED IN THE CONCRETE POUR.
9. "HANDICAP RAMPS MUST BE COMPLIANT WITH THE LATEST ADA REQUIREMENTS".
10. HANDICAP RAMPS ARE TO HAVE A #5 REBAR IN THE CURB AND 6" X 6" W 4.0 X W 4.0 WIRE MESH IN THE ENTIRE RAMP AREA.
11. HANDICAP RAMPS ARE A MONOLITHIC POUR (ONE SOLID POUR FOR THE ENTIRE RAMP AREA).
12. ANY OTHER DAMAGED OR DISPLACED CURBS AND SIDEWALKS THAT ARE LOCATED IN THE COUNTY R.O.W. WILL NEED TO BE REPLACED BEFORE ANY PERMIT CAN BE SIGNED OFF.
13. ASPHALT ROADWAY THAT IS DAMAGED BY CONSTRUCTION WILL NEED TO BE REPLACED IN KIND. 9" MIN TO 12" MAX THICKNESS WITH A 2' CUT FROM THE FACE OF THE CURB. ALL ASPHALT MUST BE FROM AN APPROVED PLANT. (SEE LIST)
14. ANY TRAFFIC SIGNAL BOXES, MANHOLES, CATCH BASINS, WATER VALVES, TRAFFIC LOOPS, ETC. SHALL BE PROTECTED AND OR ADJUSTED AS NEEDED.
15. TRAFFIC SIGNAL LOOPS THAT MAY BE DAMAGED MUST BE BROUGHT TO THE INSPECTOR'S ATTENTION BEFORE WORK STARTS.
16. SMALL TREE ROOTS CAN BE REMOVED TO CORRECT SIDEWALKS BUT, LARGER ROOTS WILL NEED TO BE SEEN BY THE INSPECTOR BEFORE ANY REMOVAL OF THE ROOTS. SOME TREES MAY NEED TO BE REMOVED. IF SO, NASSAU COUNTY WILL FIRST NEED TO HAVE THE TREE INSPECTED BY THE ARBORIST FOR NASSAU COUNTY.
17. PEDESTRIAN SAFETY NEEDS TO BE ADDRESSED BEFORE ANY WORK IN THE SIDEWALK AREA.
18. NO WOOD OR OTHER MATERIALS WILL BE ALLOWED TO BE USED AS EXPANSION JOINT MATERIAL.
19. NO BLOCK CURB OR OTHER TYPE THAN CONCRETE WILL BE ALLOWED TO BE USED AS CURB UNLESS PRIOR AUTHORIZATION IS GIVEN.
20. ALL TRAFFIC MAINTENANCE IN THE WORK ZONE SHALL CONFORM TO THE NYSDOT WORK ZONE TRAFFIC CONTROL MANUAL. (SEE THE NYSDOT WEBSITE FOR DETAILS)
21. ALL TEMPORARY PATCHES SHALL BE SEALED WITH HOT ASPHALT ONLY AND MUST BE MAINTAINED UNTIL RESTORATION IS COMPLETED. IF THE ASPHALT PLANTS ARE CLOSED THEN COLD PATCH WILL BE ALLOWED BUT MUST BE MAINTAINED UNTIL RESTORATION IS COMPLETED.
22. ANY WORK THAT WILL REQUIRE A CLOSURE OF ANY TRAFFIC LANE CAN ONLY BE CLOSED NO SOONER THAN 9 AM AND MUST BE REOPENED BY 4 PM.
23. ANY ROAD CLOSURES AND OR DETOURS OF TRAFFIC MUST BE APPROVED IN ADVANCE BY THE PERMIT OFFICE ONLY.
24. PROPOSED STANDARD CONCRETE CURB PER NASSAU COUNTY STANDARD. PROVIDE EXPANSION JOINT WHERE NEW CURB MEETINGS EXISTING CONCRETE.

WEATHER LIMITATIONS FOR CONCRETE:

1. CONCRETE SHALL BE PLACED ONLY WHEN THE AIR TEMPERATURE IS 40°F AND RISING, OR WARMER, AND WHEN THE GROUND OR BASE IS ALSO AT LEAST 40°F.
2. AIR TEMPERATURES ARE TO BE MEASURED IN THE SHADE, GROUND TEMPERATURE SHALL BE TAKEN JUST BELOW THE SURFACE.
3. MATERIALS THAT CONTAIN FROST SHALL NOT BE USED.
4. WHEN CONCRETE IS BEING PLACED DURING COLD WEATHER AND THE AIR TEMPERATURE MAY BE EXPECTED TO DROP BELOW 35°F, A SUFFICIENT SUPPLY OF STRAW, HAY, OR OTHER APPROVED BLANKETING MATERIAL SHALL BE PLACED TO PREVENT THE FREEZING OF THE NEW CONCRETE.
5. ANY CONCRETE LAID DURING COLD WEATHER IS DONE AT THE CONTRACTOR'S RISK AND SECTIONS THAT ARE DAMAGED, SHALL BE REMOVED AND REPLACED.

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
C	06/19/2026	RE-ISSUED FOR PERMITTING	KAV	VG	JR
B	05/01/2026	ISSUED FOR PERMITTING	KAV	VG	JR
A	02/02/2026	FOR BIDDING	KAV	VG	JR

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PROJ. NO. 178669

NO.	DATE	W.D.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
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PROPERTY AND FACILITIES SHOWN ON THIS DRAWING WERE TRANSFERRED TO
Long Island Power Authority AS OF MAY 27, 1996

In accordance with NYS Education law §280(1), LIPA and its service providers are exempt from certain engineering and surveyor requirements consistent with an exemption that exists with respect to revenue-related utilities subject to oversight of the Public Service Commission.		TEMP DWG. NO.
Long Island Power Authority COMMERCIAL AVE TOWN OF HEMPSTEAD, NEW YORK		
CIVIL DETAILS NASSAU COUNTY ROADWAY DETAILS TERMINAL FACILITY		
 PSEG LONG ISLAND 175 East Old Country Road Great Neck, New York		
SCALE AS NOTED	VENDOR DWG. NO.	
DRAWING NO. F118090	SMART NO. XX-XX-XXXXXX	REVISION 0
SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.



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