

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

PSEG LONG ISLAND LLC
On Behalf of and as Agent for
the LONG ISLAND POWER AUTHORITY f/k/a LONG ISLAND
LIGHTING COMPANY d/b/a LONG ISLAND POWER AUTHORITY

Commercial Avenue Equipment Project
Case 25-T-0243

Terminal
Environmental Management and Construction Plan

APPENDIX A
Plan & Profiles

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
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F118087	EROSION AND SEDIMENT CONTROL DETAILS
F118088	CIVIL DETAILS - SHEET 1/3
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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	B
Metal Pole with Light	L
Traffic Light	L
Pedestrian Signal	P
Wooden Utility Pole	U
Wooden Utility Pole with Light	UL

Miscellaneous

Bike Rack	Wavy line symbol
Flag Pole	FP
Guardpost	GP
Guywire & Anchor	Anchor symbol
Handicap Ramp	Ramp symbol
Irrigation Box	I
Mailbox	MB
Sign - Single Post	Single post symbol
Sign - Double Post	Double post symbol
Sprinkler	SPLR
Standpipe	Standpipe symbol
Yard Light	Yard light symbol

Property Lines

Leased Boundary	Long dashed line
Rail Boundary	Short dashed line
Right of Way	R
Property Boundary	R
Limits of Disturbance	LOD

Fences

Chain Link Fence	X-X-X-X-X-X
Guard Rail	•••••
Metal Fence	— — — — —
Vinyl Fence	- - - - -
Wood Fence	— — — — —

Utility Hardware

Cable TV Box	TV
Communications Box	COM
Electric Meter	EM
Electric Pullbox	EB
Electric Vault	E
Fiber Optic Box	FO
Gas Marker	GM
Gas Valve - Main	G
Gas Valve - Service	G
Gas Vent	OG
Hydrant	Hydrant symbol
Hydrant Valve	H
Monitoring Well	M
Riser - Cable TV	TV
Riser - Electric	EL
Riser - Telephone	T
Riser - Traffic	TR
Sewer Cleanout	CO
Sewer Vent	OS
Telephone Pullbox	T
Traffic Control Cabinet	TC
Traffic Loop	Loop symbol
Traffic Pullbox	TR
Unidentified Pullbox	?
Unidentified Valve	V
Unidentified Vault	V
Water Meter	WM
Water Valve - Main	W
Water Valve - Service	W

Vegetation

Bush	Bush symbol
Stump	Stump symbol
Tree Located At Center	6"
Hedge	• • • • •
Treeline	• • • • •

Catch Basins

Flush Grate	Grate symbol
Flush Grate w/ Curb Piece	Grate symbol
Round Grate	Round grate symbol

Abbreviations

Aban.	Abandoned
Asph.	Asphalt
Awn.	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:

- 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.
- 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.
- PIPE SYSTEM SHALL MAINTAIN A MINIMUM 42" DEPTH OF COVER FROM GRADE TO TOP OF THE PIPE.
- PIPE SYSTEM SHALL MAINTAIN 1'-0" VERTICAL & HORIZONTAL MINIMUM CLEARANCE OVER/UNDER OR ADJACENT TO EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON DRAWINGS.
- CONDUIT SYSTEM AND SPLICE VAULT LOCATIONS ARE SUBJECT TO ADJUSTMENT DUE TO UNFORESEEN CONDITIONS. ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO APPROVE ANY ADJUSTMENTS.
- CONTRACTOR SHALL RETURN ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL, OR BETTER CONDITIONS.
- ALL OPEN TRENCHES AND EXCAVATIONS SHALL BE PLATED AT THE COMPLETION OF EACH DAY'S WORK.
- HORIZONTAL DATUM IS IN NAD83 NEW YORK STATE PLANE, LONG ISLAND, US SURVEY FOOT.
- VERTICAL DATUM IS NAVD88, US SURVEY FOOT.
- ASSUMED DEPTHS OF UNKNOWN UTILITIES:
- WATER: 5'
- STORM AND SANITARY SEWER: 3'
- GAS: 3'
- ELECTRIC: 3'
- TELEPHONE: 2.5'
- TRAFFIC: 3'
- CONTRACTOR SHALL COORDINATE WITH PSEG LONG ISLAND ON RESTORATION TYPE AND LIMITS TO CONFORM TO INDIVIDUAL MUNICIPALITIES.
- CONTRACTOR SHALL PROVIDE PAVEMENT RESTORATION TO MATCH OR IMPROVE, WITH INPUT FROM LOCAL AGENCY WITH JURISDICTION, OF ALL IMPACTED IMPERVIOUS SURFACES DURING CONSTRUCTION.
- 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.
- CONSTRUCTION MEANS, METHODS, AND ASSOCIATED SAFETY PROCEDURES FOR THIRD-PARTY INFRASTRUCTURE WILL BE DETERMINED BY THE CIVIL CONTRACTOR AND COORDINATED AS REQUIRED DURING EXECUTION.
- LIMITS OF DISTURBANCE EXTENDED BETWEEN PROPERTY LINES.
TOTAL LIMITS OF DISTURBANCE = 2.42 ACRES
- 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: _____

In accordance with NYS Education law §286(1), LIPA and its service providers are exempt from certain engineering and surveyor requirements consistent with an exemption that exists with respect to revenue-neutral utilities subject to oversight of the Public Service Commission.

TEMP
DWG.
NO.

Long Island Power Authority
COMMERCIAL AVE

TOWN OF HEMPSTEAD, NEW YORK

DRAWING NOTES, INDEX NOTES, LEGEND

TERMINAL FACILITY



175 East Old Country Road
Hicksville, New York

SCALE
NTS

VENDOR
DWG. NO.

DRAWING NO.
F118514

SMART NO.
XX XX-XX-XXXXX

REVISION
0

SYSTEM
CIRCUIT NUMBER

CABINET NO.

FOLDER NO.

IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND DATE OF ALTERATION.

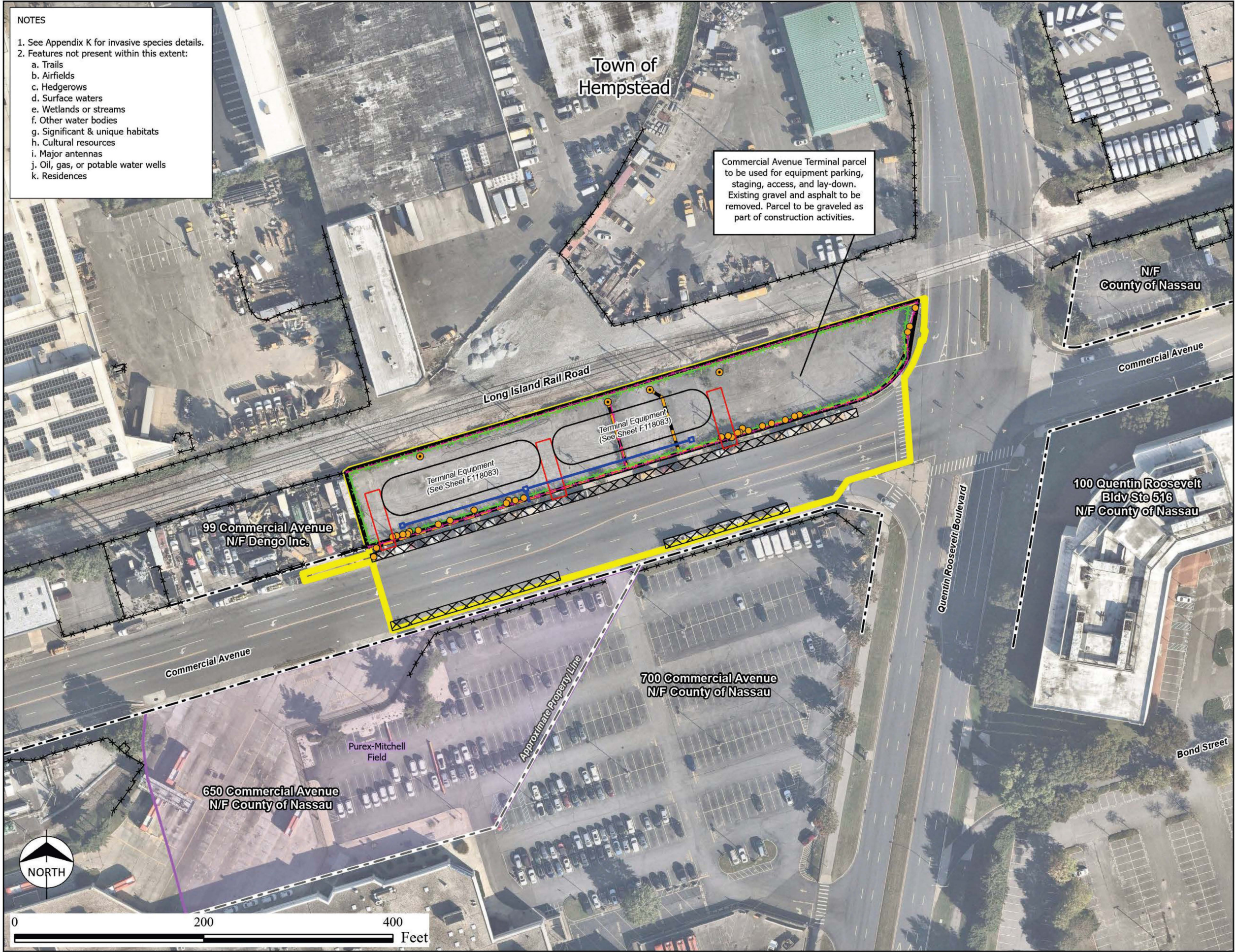


PROJ. NO. 178669

Commercial Avenue

Terminal Property Abutters List

Parcel Address	City	State	Zip Code
99 COMMERCIAL AVE	GARDEN CITY	NY	11530-6417
650 COMMERCIAL AVE	GARDEN CITY	NY	11530-6418
700 COMMERCIAL AVE	GARDEN CITY	NY	11530-6410
100 QUENTIN ROOSEVELT BLVD STE 516	GARDEN CITY	NY	11530-4843

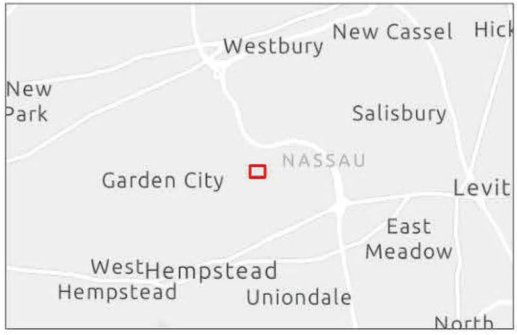


LEGEND

- Commercial Avenue Terminal Parcel
- Other Parcel Lines
- Terminal LOD
- Terminal Equipment
- Proposed Drainage
- Existing Fence To Be Removed
- Existing Fence To Remain
- Proposed Fence
- Vegetation Removal (Estimated Invasive Species)
- Vegetation Removal (Invasive Species)
- Vegetation Removal (Invasive Species)
- Construction Entrance
- Construction Parking
- NYSDEC Remediation Boundaries

Sources:

- Project details prepared by Burns & McDonnell, April, 2026
- NYS GIS Data Clearinghouse
- Nearmap US Vertical Imagery - acquired October 1, 2025



PROJECT TITLE

PSEG | LONG ISLAND
Commercial Avenue
Equipment Project

SHEET TITLE

Figure A-1
Terminal EM&CP
Aerial Site Plan

SCALE 1" = 100' (Printed on 11"x17")

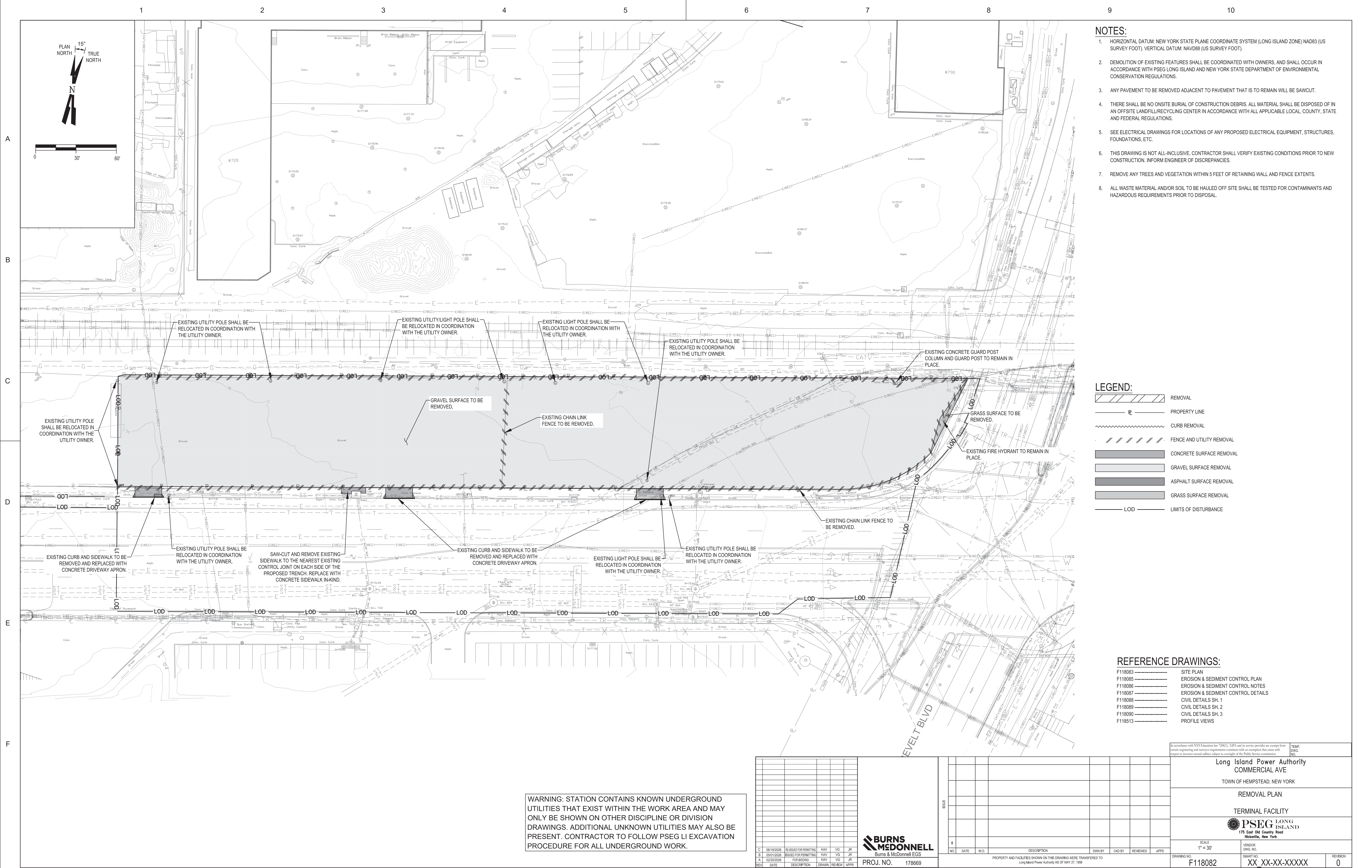
DATE 04/16/2026
DRN. BY MK
CHK. BY MK

FIGURE NO. A-1

**BURNS
MCDONNELL**

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- 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.

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

BURNS & MCDONNELL
Burns & McDonnell EGS
PROJ. NO. 178669

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

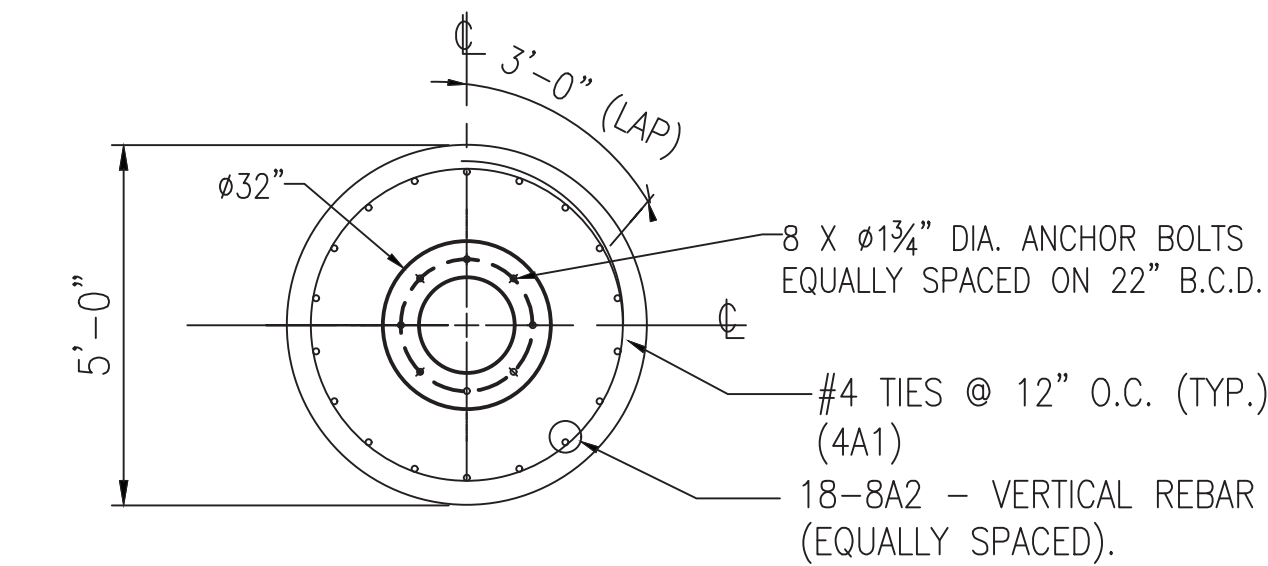
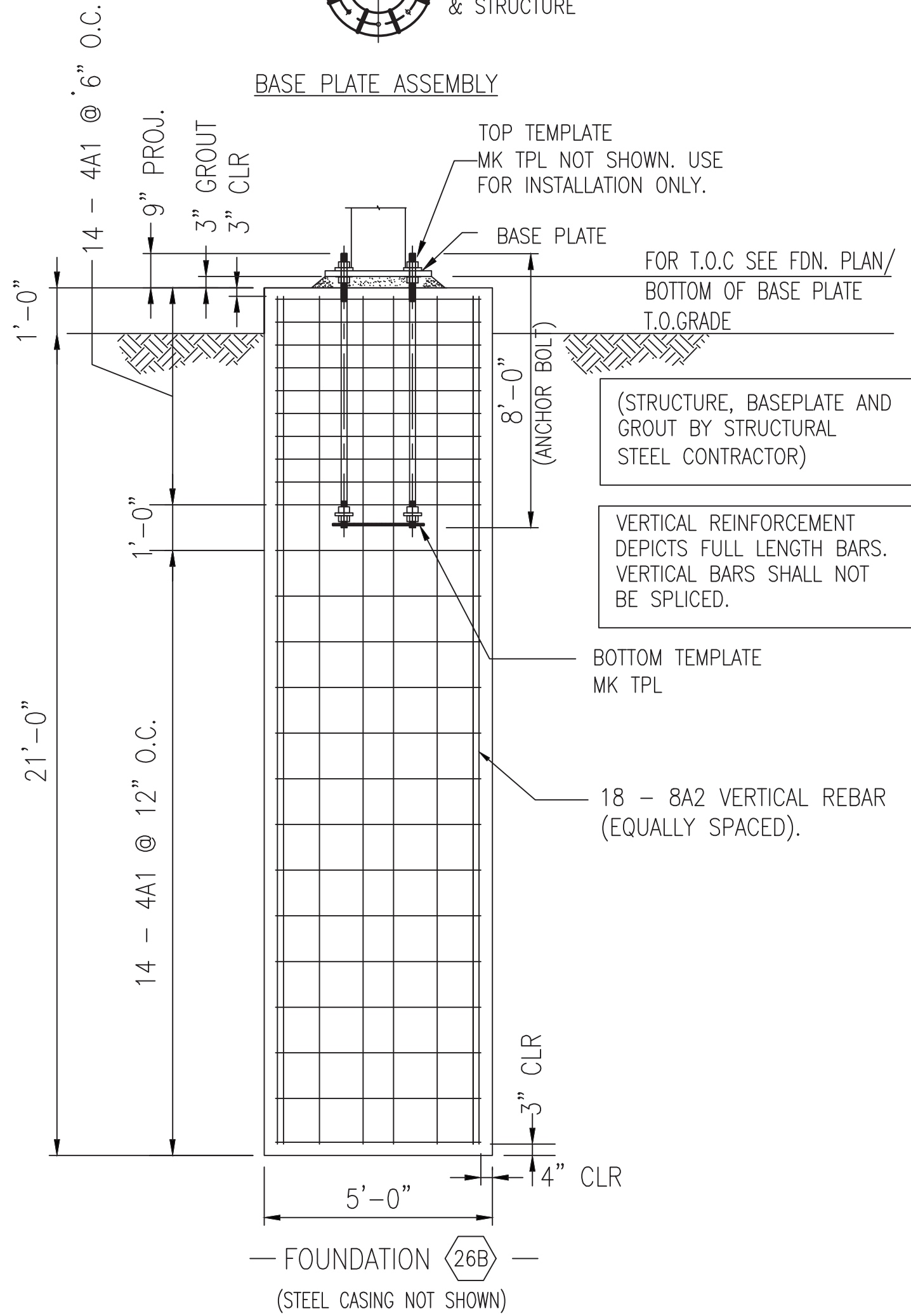
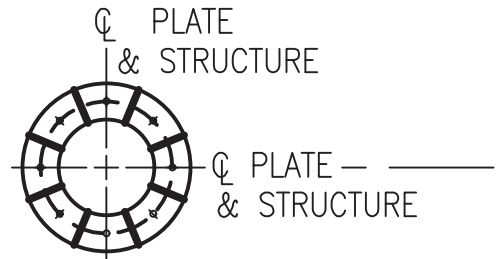
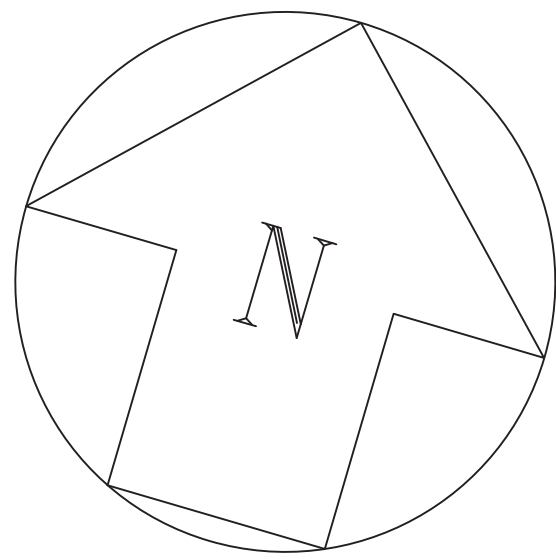
Long Island Power Authority COMMERCIAL AVE TOWN OF HEMPSTEAD, NEW YORK		TEMP. DWG. NO.
REMOVAL PLAN		
TERMINAL FACILITY		
PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York		
SCALE 1" = 30'	VENDOR DWG. NO.	REVISION
DRAWING NO. F118082	SMART NO. XX XX-XX-XXXXX	0
SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.

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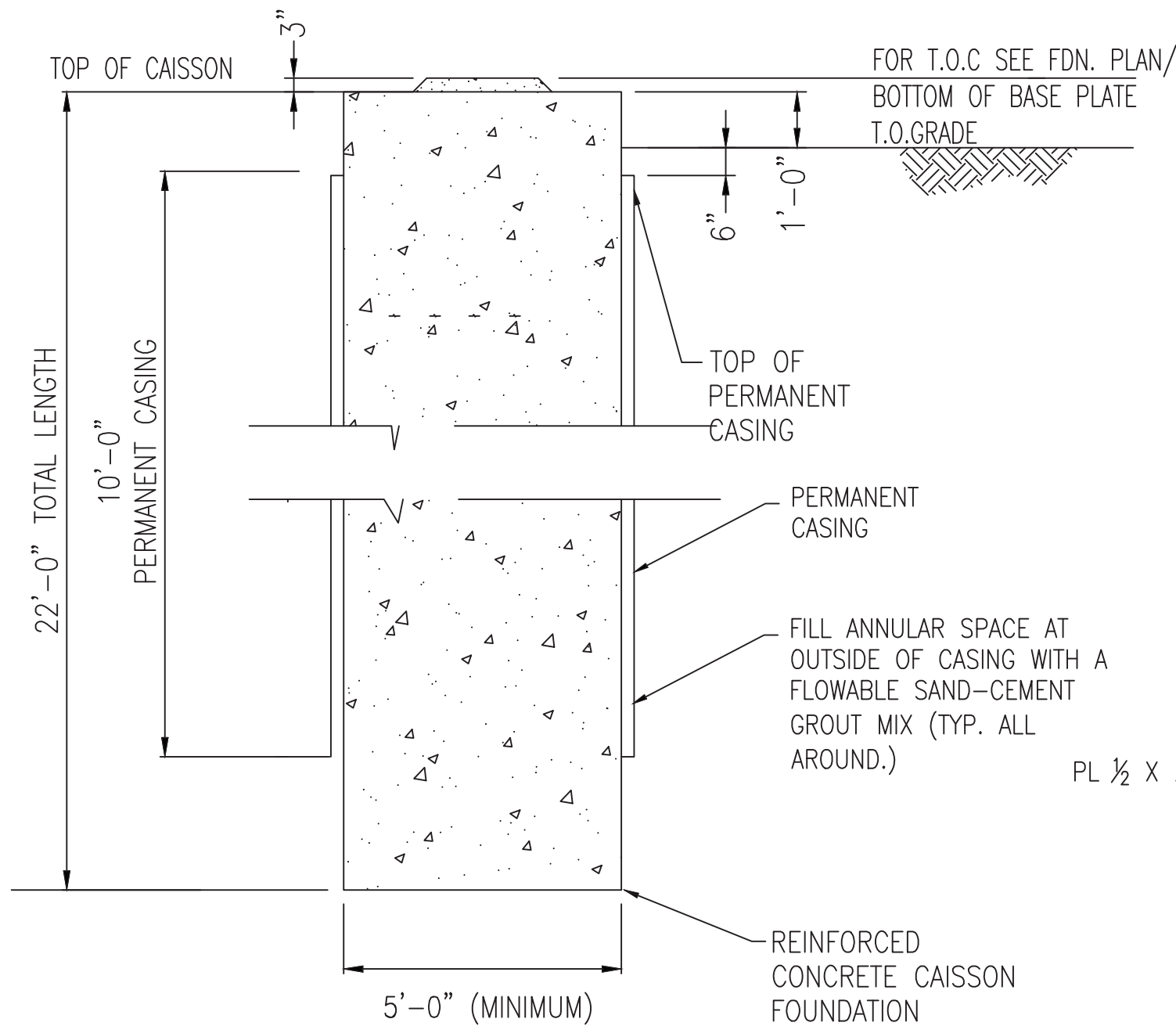
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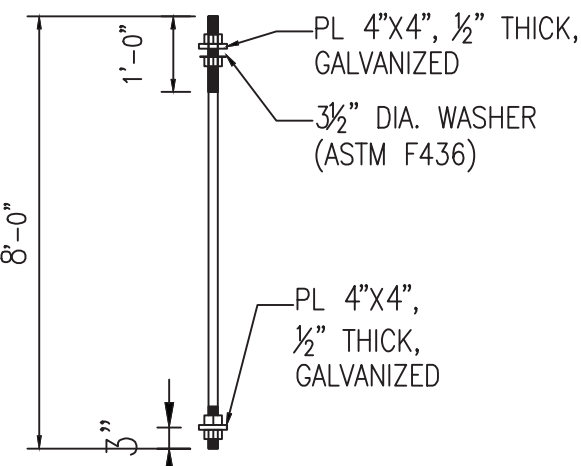
THREADED ANCHOR ROD ARRANGEMENT & PIER REINFORCING PLAN

FOUNDATION SCHEDULE										
FOUNDATION DESIGNATION	STRUCTURE HEIGHT	APPLIED DESIGN LOADS*			ANCHOR BOLT PATTERN	NO. OF ANCHOR BOLTS	ANCHOR BOLT DIAMETER	APPROX. WEIGHT REBAR CAGE	CAISSON DIAMETER	CALC. FDN. DEPTH
		AXIAL	SHEAR	MOMENT						VOL. OF CONCRETE
26B	-	-	-	-	IN-LINE	8	1 3/4"	-	6 FT.	22 FT.



CAISSON FOUNDATION PROFILE W/ STEEL CASING (TYP.)

- (1) PERMANENT STEEL CASING SHALL HAVE 3/8" WALL THICKNESS WITH A MINIMUM INSIDE DIAMETER EQUAL TO THE CONCRETE CAISSON DIAMETER. MATERIAL SHALL BE ASTM A-283, GRADE C OR ASTM A-36 CARBON STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
- (2) ALTERNATE PERMANENT CASING: CORRUGATED STEEL PIPE MANUFACTURED PER ASTM A-760, GALVANIZED PER ASTM A-929, 14 GAGE MINIMUM THICKNESS, CORRUGATION PROFILE 5x1.
- (3) PERMANENT FULL LENGTH CASING OPTION: FOUNDATION CONTRACTOR HAS OPTION TO INSTALL FULL LENGTH CASING BASED ON CONSTRUCTION METHODOLOGY.



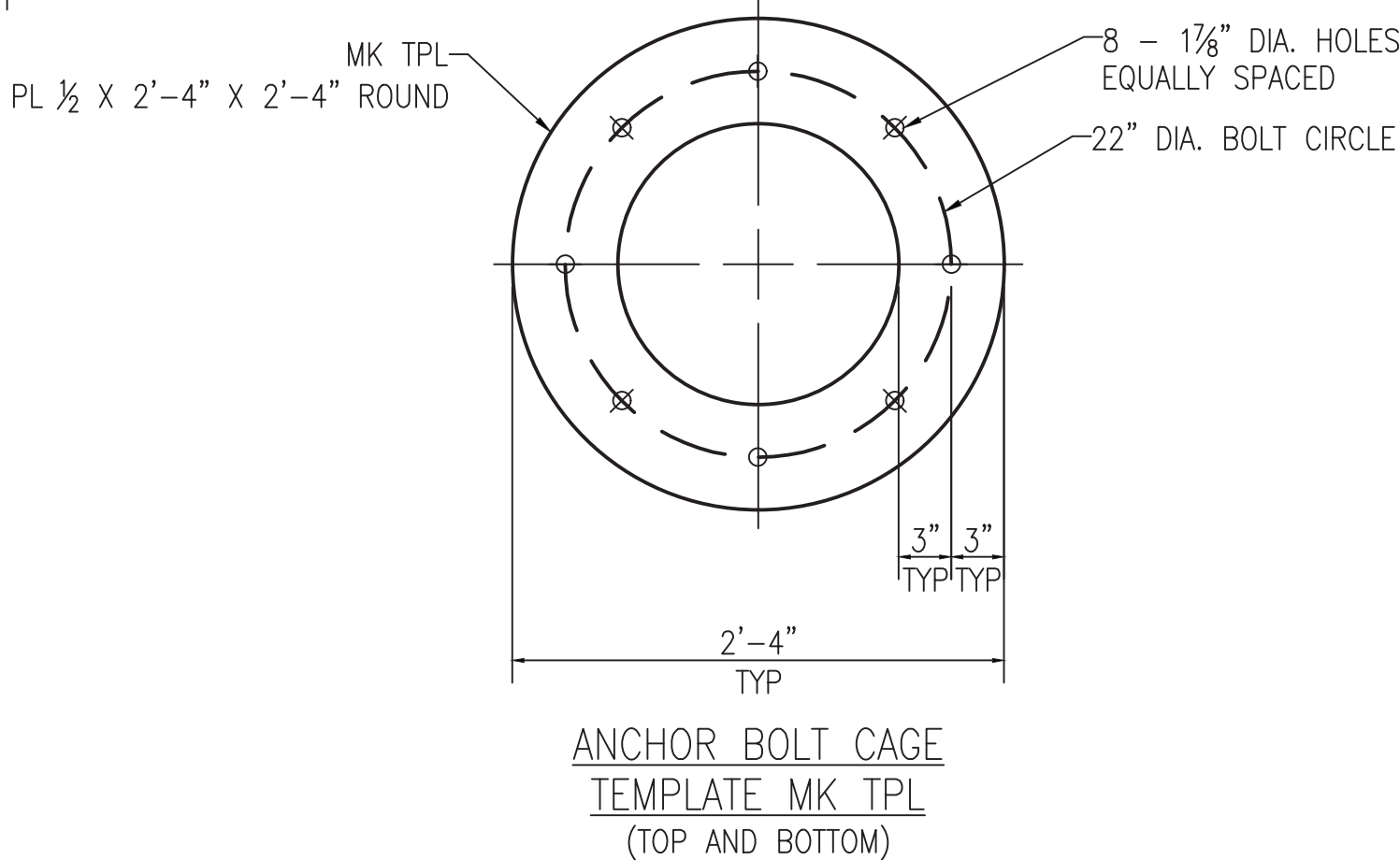
- 1 3/4" Ø THREADED ROD W/ 4 NUTS, ONE (1) 3/2" DIA. ROUND WASHER & TWO (2) - 4" WASHER PLATE 4"x4", 1/2" THICK. SEE NOTE 1 FOR DETAILS.

THREADED ANCHOR ROD W/ NUTS (BY FOUNDATION CONTRACTOR)

- (1) ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55 BARS, WITH ASTM A563 GRADE C HEAVY HEX NUTS AND ASTM 436 3/2" O.D., 1 1/8" I.D. ROUND WASHER, ASTM A-36, 4" SQUARE WASHER PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153, U.O.N. (PORTLAND BOLT & MANUF. - 3441 NW GUAM STREET, PORTLAND, OR, 97210 - (800)547-6758.

MATERIAL REQUIRED FOR ONE (1) "26B" PIER FOUNDATION

MK	QTY.	DESCRIPTION
ABA	6	1 3/4" DIA. x 8'-0" LG. ANCHOR BOLT (SEE DETAIL)
4A1	24	#4 x 16'-8" LG. (52" DIA. + 3'-0")
8A2	18	#11 x 21'-6" LG. (STR)
—	1	60" O.D. x 10'-0" (FULL OR PARTIAL CASING)
—	16.0	CUBIC YARDS 5,000 PSI CONCRETE PER ACI CODE
—	4.5	CUBIC FEET NON-SHRINK, NON-METALLIC, GROUT
TPL	2	PL 1/2" x 2'-4"x 2'-4" ROUND (ANCHOR BOLT TEMPLATE)



ANCHOR BOLT CAGE TEMPLATE MK TPL (TOP AND BOTTOM)

NOTES:

SPECIFICATIONS FOR FOUNDATION CONSTRUCTION:

FOR GENERAL NOTES AND ORIENTATION SEE FOUNDATION PLAN.

EXCAVATION AND BACKFILL

1. EXCAVATION REQUIRED FOR CONSTRUCTION OF FOUNDATIONS SHALL BE CARRIED DOWN TO PROPER BOTTOM ELEVATION.
2. AFTER FOUNDATION CONSTRUCTION IS COMPLETE AND CONSTRUCTION STAGING REMOVED, ALL FOUNDATION EXCAVATIONS TO BE BACKFILLED WITH FILL MATERIALS SUITABLE FOR GOOD DRAINAGE.
3. BACKFILL SHALL BE PLACED IN MAXIMUM TWELVE (12) INCH LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY.
4. AFTER ALL FOUNDATION CONSTRUCTION AND BACKFILL OPERATIONS ARE COMPLETE, FINISH ELEVATIONS SHALL BE RE-ESTABLISHED. ANY AND ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

CASINGS

1. PERMANENT CASINGS SHALL BE INSTALLED WITHIN THE UPPER 10FT. OF THE CAISSON FOUNDATION. CASINGS SHALL BE 5/8" THICK GALVANIZED STEEL PIPE PER ASTM A283, GRADE C OR ASTM A36, WITHIN A MINIMUM YIELD STRENGTH OF 33 KSI. ALTERNATE CASING TO BE 14 GAGE CORRUGATED GALVANIZED STEEL PIPE PER ASTM A929, CORRUGATION PROFILE 5x1.

THE ANNULAR VOID SPACE OUTSIDE OF THE CASING SHALL BE FILLED WITH A FLOWABLE SAND-CEMENT GROUT MIX.

THE TOP OF THE CASING SHALL BE FINISHED A MINIMUM 6" BELOW SUBGRADE.

2. CASING OPTION: THE CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING FULL LENGTH PERMANENT CASINGS BASED ON CONSTRUCTION METHODOLOGY.

FORMS AND STAGING WORK

1. FORMS AND STAGING USED FOR THE CONSTRUCTION OF THE FOUNDATIONS SHALL BE TIGHT, WELL BRACED, AND CONFORM TO THE SHAPE, LINES AND DIMENSIONS OF THE FOUNDATIONS AS SHOWN AND DETAILED.

CAST-IN-PLACE ITEMS

1. REINFORCING STEEL TO BE GRADE 60 BILLET STEEL IN ACCORDANCE WITH ASTM A-615, EPOXY COATED PERASTM A-775. REINFORCING STEEL CAGES TO BE FABRICATED BY THE CONTRACTOR.
2. THE ANCHOR BOLT ASSEMBLIES SHALL BE FABRICATED AS SHOWN.
3. CAST-IN-PLACE ITEMS SHALL BE PROPERLY SUPPORTED, ACCURATELY POSITIONED TO LINE AND PLUMB, AND POSITION LOCATION VERIFIED PRIOR TO PLACING OF CONCRETE.

CONCRETE

1. CONCRETE SHALL BE TRANSIT-MIX AND DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS AS DETERMINED BY ASTM C-94.
2. MIXING, PLACING, CURING AND PROTECTION OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI CODE 301.
3. TOP OF FOUNDATION SHALL BE SCREEDDED LEVEL AND TRUE TO FINISH ELEVATION AND SHALL BE GIVEN A WOOD FLOAT FINISH WITH STEEL TOOLED EDGES.
4. FOUNDATION LOCATION DIMENSIONS SHOWN ON FOUNDATION PLAN ARE TO CENTERLINE OF FOUNDATION UNLESS SPECIFICALLY SHOWN OTHERWISE.
5. FOR TOP OF CONCRETE, BOTTOM OF BASE PLATE, ELEVATIONS SEE FOUNDATION PLAN.

STRUCTURE ERECTION AND GROUTING OF BASE PLATES

1. STEEL STRUCTURES SHALL BE FABRICATED AND ERECTED BY THE STEEL ERECTION CONTRACTOR.
2. BASEPLATES SHALL BE GROUTED BY THE STEEL ERECTION CONTRACTOR. GROUT SHALL BE US FIVE STAR NON-SHRINK, NON METALLIC HIGH STRENGTH GROUT, AS MANUFACTURED BY US GROUT CORPORATION, 750 COMMERCE DRIVE, FAIRFIELD, CT 06825 (203) 336-7900.

LENGTH OF CAISSON EMBEDMENT

DRILLED CAISSON FOUNDATIONS SHALL BE INSTALLED WITH MINIMUM EMBEDMENT AS SHOWN.

REFERENCE DRAWINGS:

F114284	PLOT PLAN
F118052	FOUNDATION PLAN
F114289	CABLE & CONDUIT PLAN
F114291	GROUNDING PLAN

																				Long Island Power Authority STEWART AVENUE SUBSTATION UNIONDALE, NEW YORK																			
																				138KV SUBSTATION AIR CORE REACTOR FOUNDATION '26B' PLAN, SECTIONS AND DETAILS																			
																				 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York																			
										SCALE N.T.S.										VENDOR D.W.C. NO.																			
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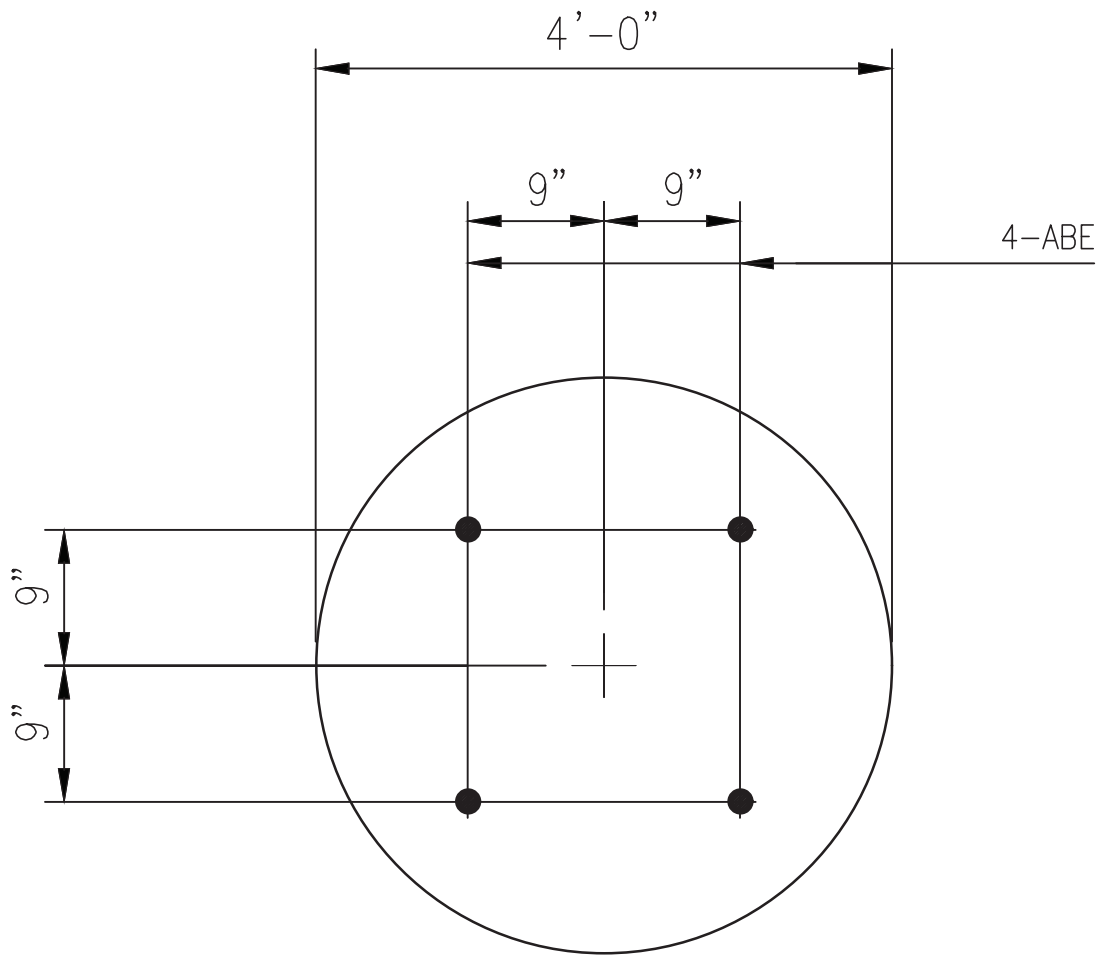
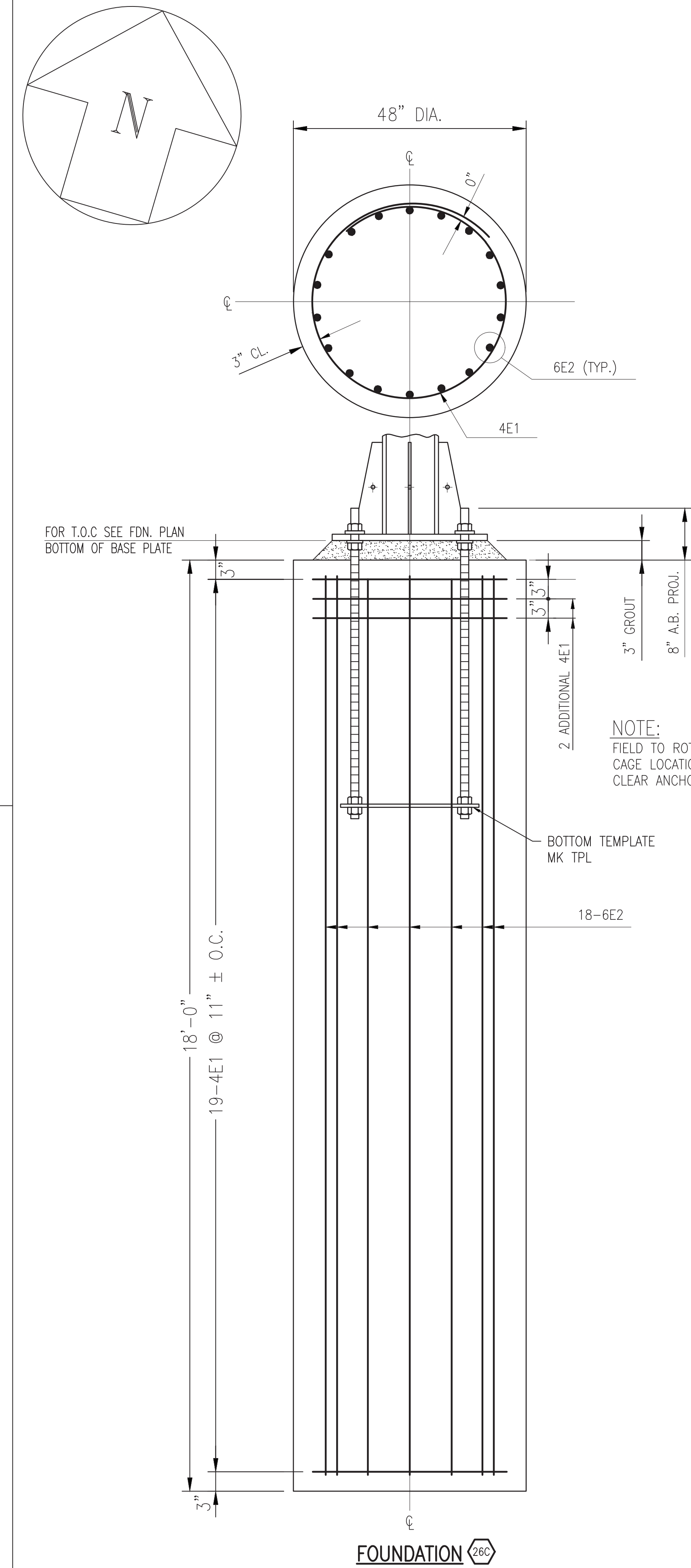
B

C

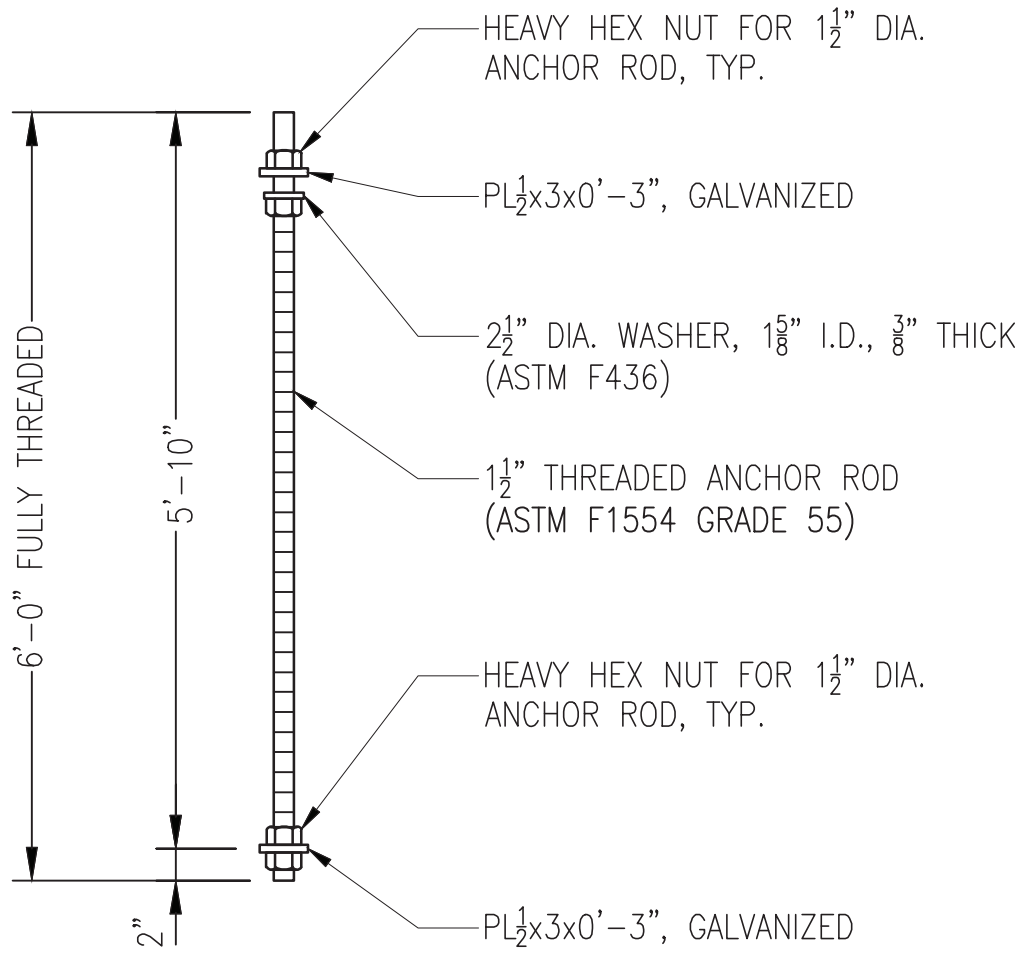
D

E

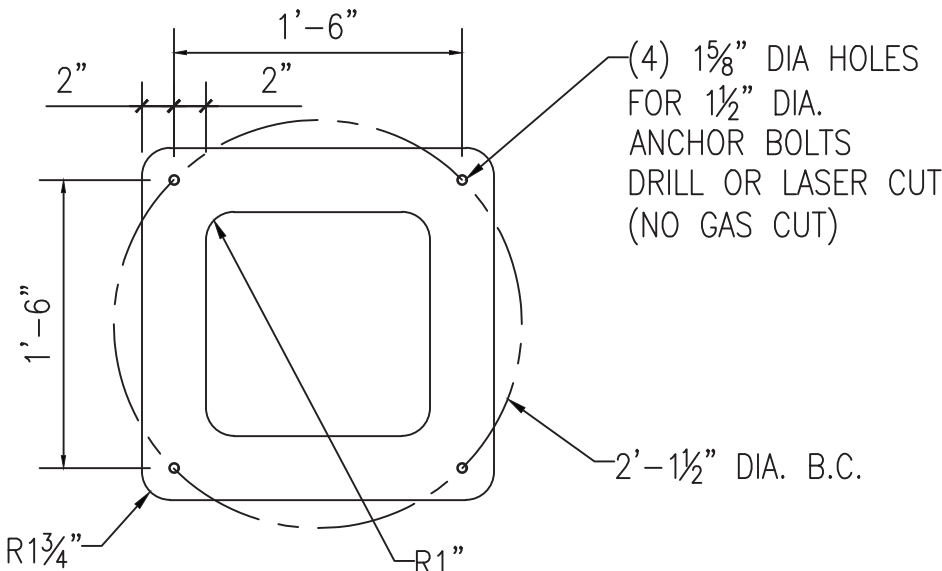
F



ANCHOR BOLT PLAN



ANCHOR BOLT



ANCHOR BOLT CAGE
TEMPLATE MK TPL
(TOP AND BOTTOM)

MATERIAL REQUIRED FOR ONE (1) "26C" PIER FOUNDATION			
MK	QTY.	DESCRIPTION	
4E1	21		
6E2	18		
ABE	4	1½" DIA. THREADED ANCHOR ROD (SEE DETAIL)	
--	1	48" DIAMETER x 4'-0" SONOTUBE	
--	8.4	CUBIC YARDS 4,500 PSI CONCRETE PER ACI CODE	
--	3.2	CUBIC FEET NON-SHRINK, NON-METALLIC, FIVE STAR GROUT	
TPL	2	PL 1/2" x 1'-10" x 1'-10" (ANCHOR BOLT TEMPLATE)	
TOTAL LENGTHS OF REBAR REQUIRED FOR ONE (1) 26C FDN.			
FT.	SIZE	TOTAL WEIGHT (LBS.)	
284	#4	190	
315	#8	842	

NOTES:

SPECIFICATIONS FOR FOUNDATION CONSTRUCTION:

FOR GENERAL NOTES AND ORIENTATION SEE FOUNDATION PLAN.

EXCAVATION AND BACKFILL

- EXCAVATION REQUIRED FOR CONSTRUCTION OF FOUNDATIONS SHALL BE CARRIED DOWN TO PROPER BOTTOM ELEVATION.
- AFTER FOUNDATION CONSTRUCTION IS COMPLETE AND CONSTRUCTION STAGING REMOVED, ALL FOUNDATION EXCAVATIONS TO BE BACKFILLED WITH FILL MATERIALS SUITABLE FOR GOOD DRAINAGE.
- BACKFILL SHALL BE PLACED IN MAXIMUM TWELVE (12) INCH LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY.
- AFTER ALL FOUNDATION CONSTRUCTION AND BACKFILL OPERATIONS ARE COMPLETE, FINISH ELEVATIONS SHALL BE RE-ESTABLISHED. ANY AND ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

CASINGS

- PERMANENT CASINGS SHALL BE INSTALLED WITHIN THE UPPER 10FT. OF THE CAISSON FOUNDATION. CASINGS SHALL BE 5/8" THICK GALVANIZED STEEL PIPE PER ASTM A283, GRADE C OR ASTM A36, WITHIN A MINIMUM YIELD STRENGTH OF 33 KSI. ALTERNATE CASING TO BE 14 GAGE CORRUGATED GALVANIZED STEEL PIPE PER ASTM A929, CORRUGATION PROFILE 5x1.

THE ANNULAR VOID SPACE OUTSIDE OF THE CASING SHALL BE FILLED WITH A FLOWABLE SAND-CEMENT GROUT MIX.

THE TOP OF THE CASING SHALL BE FINISHED A MINIMUM 6" BELOW SUBGRADE.

- CASING OPTION: THE CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING FULL LENGTH PERMANENT CASINGS BASED ON CONSTRUCTION METHODOLOGY.

FORMS AND STAGING WORK

- FORMS AND STAGING USED FOR THE CONSTRUCTION OF THE FOUNDATIONS SHALL BE TIGHT, WELL BRACED, AND CONFORM TO THE SHAPE, LINES AND DIMENSIONS OF THE FOUNDATIONS AS SHOWN AND DETAILED.

CAST-IN-PLACE ITEMS

- REINFORCING STEEL TO BE GRADE 60 BILLET STEEL IN ACCORDANCE WITH ASTM A-615, EPOXY COATED PERASTM A-775. REINFORCING STEEL CAGES TO BE FABRICATED BY THE CONTRACTOR.

- THE ANCHOR BOLT ASSEMBLIES SHALL BE FABRICATED AS SHOWN.

- CAST-IN-PLACE ITEMS SHALL BE PROPERLY SUPPORTED, ACCURATELY POSITIONED TO LINE AND PLUMB, AND POSITION LOCATION VERIFIED PRIOR TO PLACING OF CONCRETE.

CONCRETE

- CONCRETE SHALL BE TRANSIT-MIX AND DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS AS DETERMINED BY ASTM C-94.

- MIXING, PLACING, CURING AND PROTECTION OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI CODE 301.

- TOP OF FOUNDATION SHALL BE SCREEDED LEVEL AND TRUE TO FINISH ELEVATION AND SHALL BE GIVEN A WOOD FLOAT FINISH WITH STEEL TOOLED EDGES.

- FOUNDATION LOCATION DIMENSIONS SHOWN ON FOUNDATION PLAN ARE TO CENTERLINE OF FOUNDATION UNLESS SPECIFICALLY SHOWN OTHERWISE.

- FOR TOP OF CONCRETE, BOTTOM OF BASE PLATE, ELEVATIONS SEE FOUNDATION PLAN.

STRUCTURE ERECTION AND GROUTING OF BASE PLATES

- STEEL STRUCTURES SHALL BE FABRICATED AND ERECTED BY THE STEEL ERECTION CONTRACTOR.

- BASEPLATES SHALL BE GROUTED BY THE STEEL ERECTION CONTRACTOR. GROUT SHALL BE US FIVE STAR NON-SHRINK, NON METALLIC HIGH STRENGTH GROUT, AS MANUFACTURED BY US GROUT CORPORATION, 750 COMMERCE DRIVE, FAIRFIELD, CT 06825 (203) 336-7900.

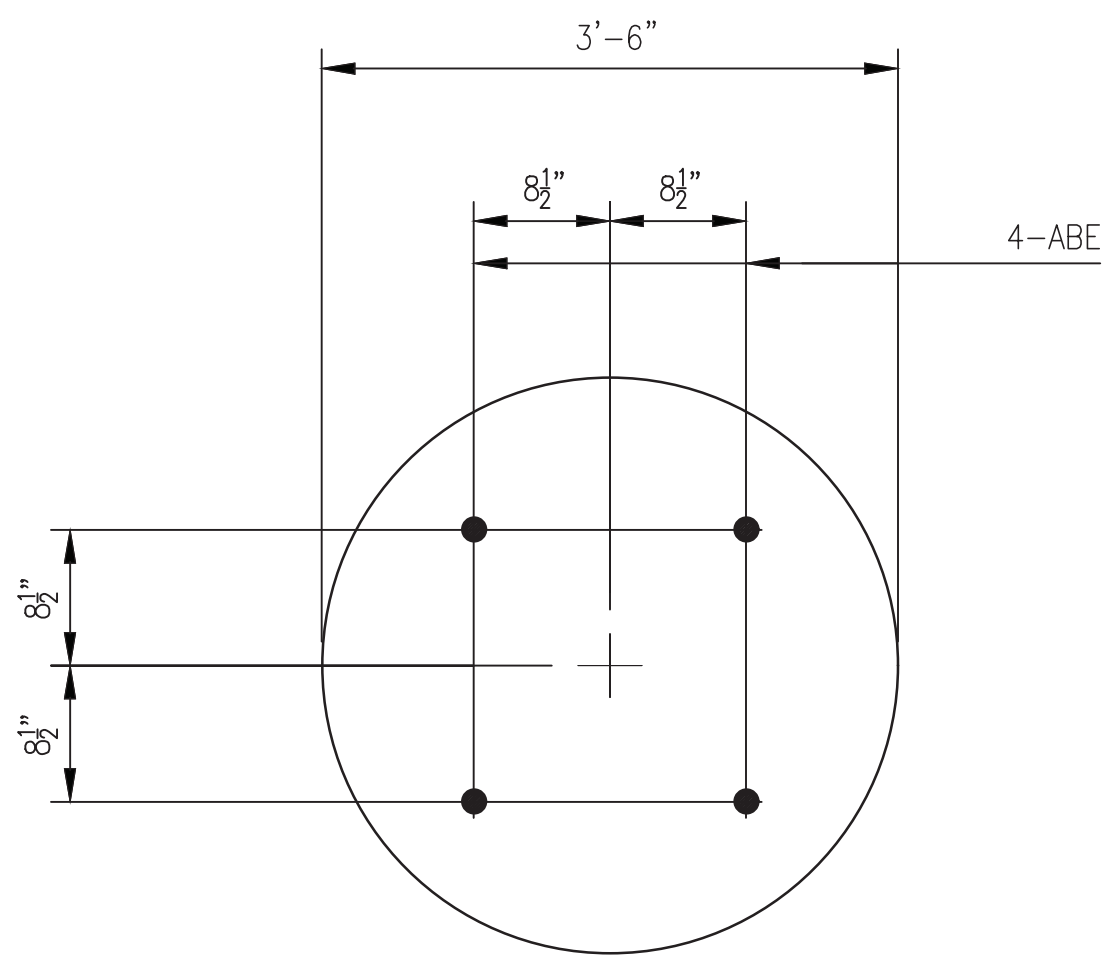
LENGTH OF CAISSON EMBEDMENT

DRILLED CAISSON FOUNDATIONS SHALL BE INSTALLED WITH MINIMUM EMBEDMENT AS SHOWN.

REFERENCE DRAWINGS:

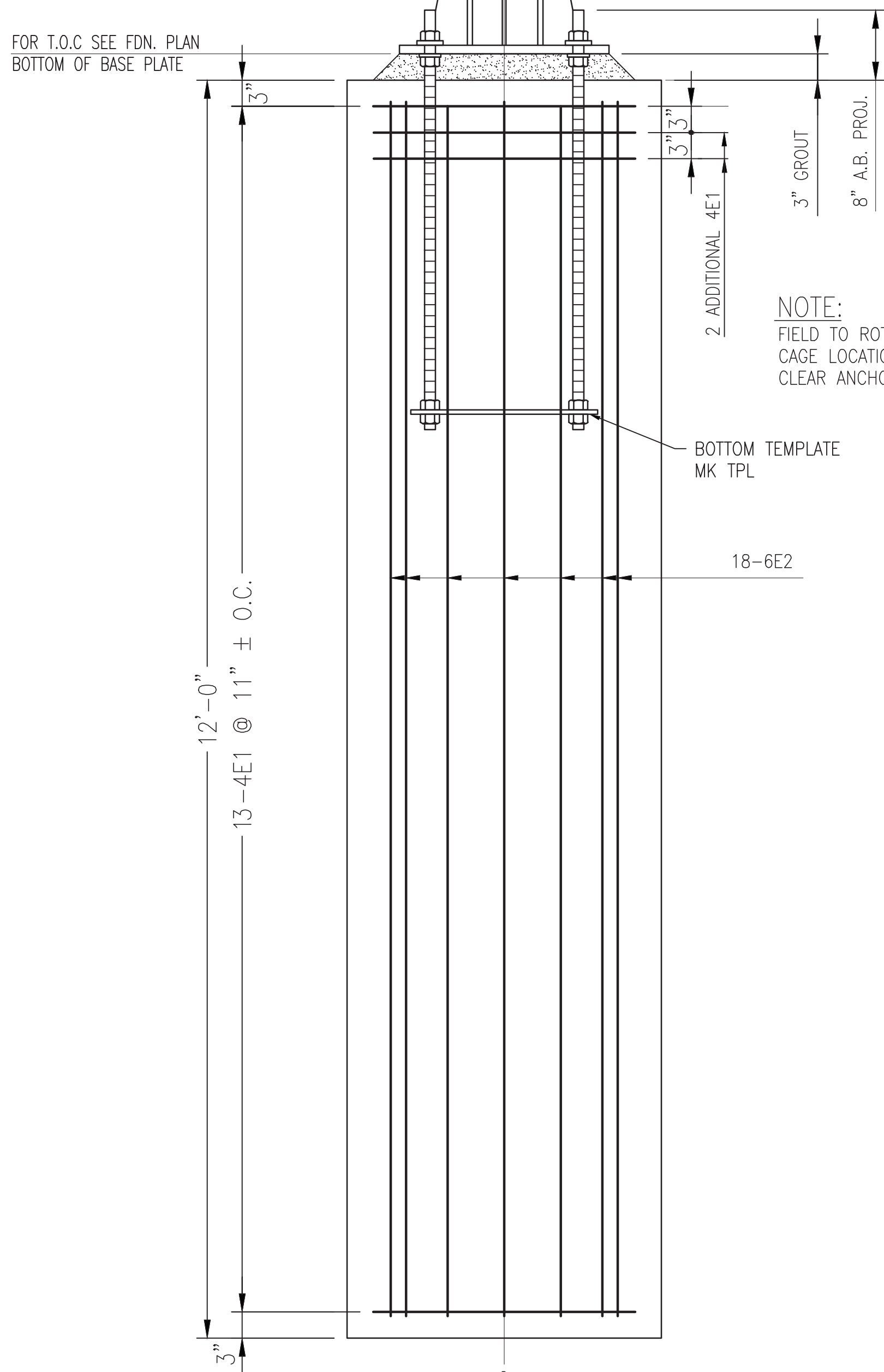
- F-114284 PLOT PLAN
- F-118060 FOUNDATION PLAN
- F-114289 CABLE & CONDUIT PLAN
- F-114291 GROUNDING PLAN

												Long Island Power Authority COMMERCIAL AVENUE TERMINAL HUNTINGTON STATION; NEW YORK			
												138KV SUBSTATION UG/SA STRUCTURE AND GROUND SWITCH W/BUS SUPPORT -'26C' NOTES AND DETAILS			
												 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York			
												SCALE N.T.S.			
												VENDOR DWG. NO.			
												DRAWING NO. F118058			
												SMART NO. 4H_SS-FC-04010			
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												SYSTEM ORD. NUMBER			
												CABINET NO.			
												FOLDER NO.			

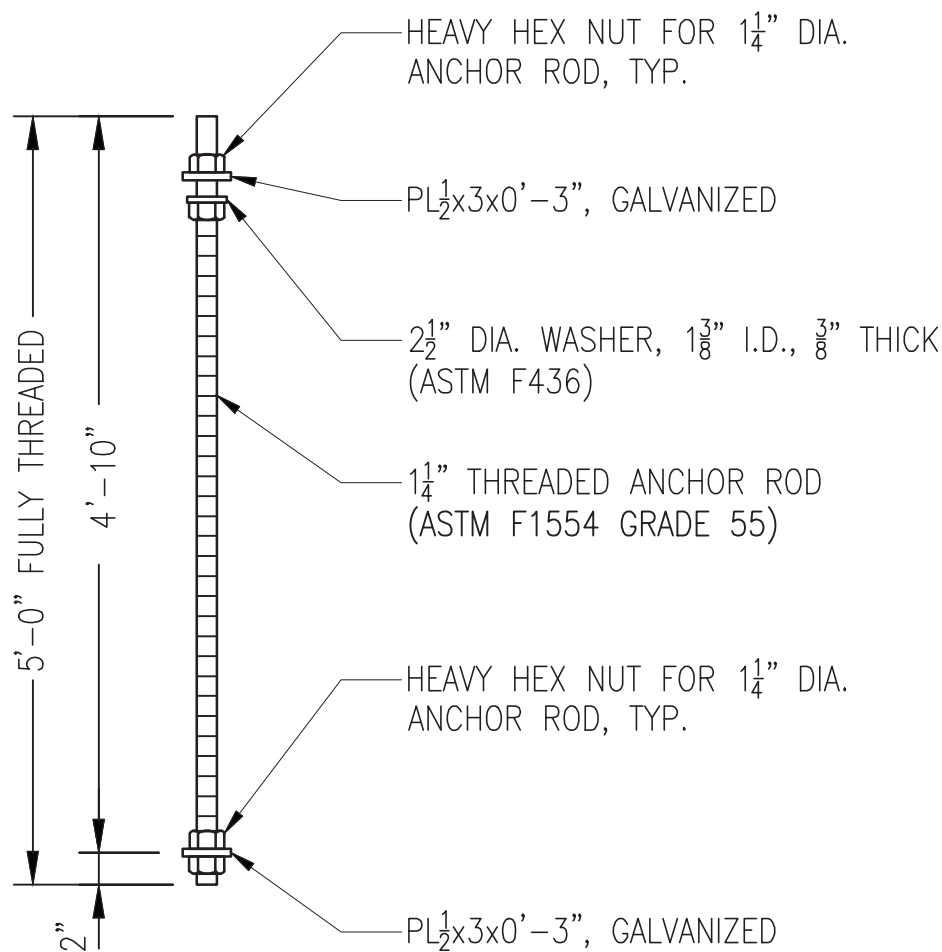


ANCHOR BOLT PLAN

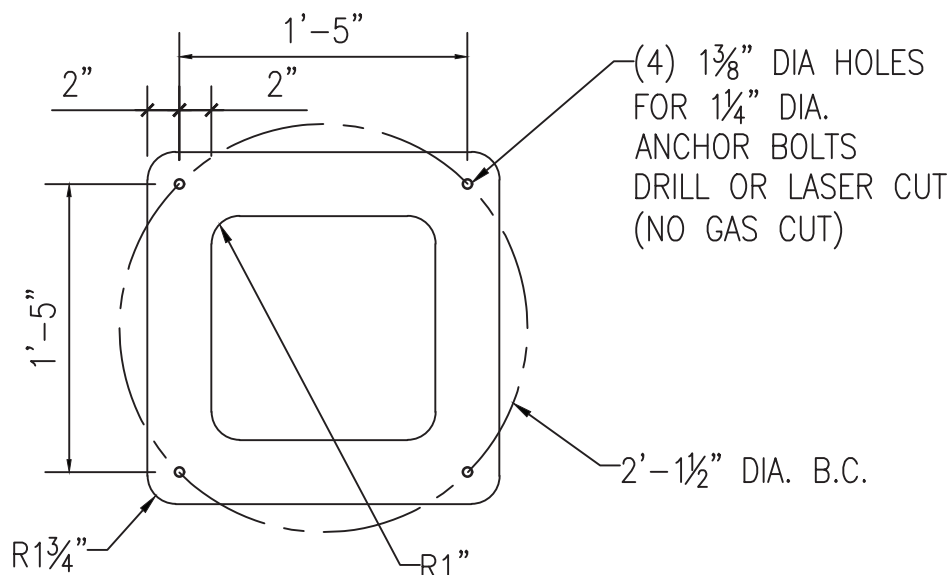
MATERIAL REQUIRED FOR ONE (1) '26D' PIER FOUNDATION		
MK.	QTY.	DESCRIPTION
4E1	15	#4 x 12'-0" LG. (36" DIA. x 2'-6")
6E2	15	#6 x 11'-6" LG. (STRAIGHT)
ABE	4	1 1/2" DIA. THREADED ANCHOR ROD (SEE DETAIL)
--	1	42" DIAMETER x 3'-6" SONOTUBE
--	4.3	CUBIC YARDS 4,500 PSI CONCRETE PER ACI CODE
--	1.4	CUBIC FEET NON-SHRINK, NON-METALLIC, FIVE STAR GROUT
TPL	2	PL 1/2" x 1'-9" x 1'-9" (ANCHOR BOLT TEMPLATE)
TOTAL LENGTHS OF REBAR REQUIRED FOR ONE (1) 26D FDN.		
FT.	SIZE	TOTAL WEIGHT (LBS.)
180	#4	121
173	#8	462



NOTE:
FIELD TO ROTATE VERTICAL REBAR
CAGE LOCATION AS REQUIRED TO
CLEAR ANCHOR BOLT POSITIONING



ANCHOR BOLT



NOTES:

SPECIFICATIONS FOR FOUNDATION CONSTRUCTION:

FOR GENERAL NOTES AND ORIENTATION SEE FOUNDATION PLAN.

EXCAVATION AND BACKFILL

1. EXCAVATION REQUIRED FOR CONSTRUCTION OF FOUNDATIONS SHALL BE CARRIED DOWN TO PROPER BOTTOM ELEVATION.
2. AFTER FOUNDATION CONSTRUCTION IS COMPLETE AND CONSTRUCTION STAGING REMOVED, ALL FOUNDATION EXCAVATIONS TO BE BACKFILLED WITH FILL MATERIALS SUITABLE FOR GOOD DRAINAGE.
3. BACKFILL SHALL BE PLACED IN MAXIMUM TWELVE (12) INCH LIFTS AND COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY.
4. AFTER ALL FOUNDATION CONSTRUCTION AND BACKFILL OPERATIONS ARE COMPLETE, FINISH ELEVATIONS SHALL BE RE-ESTABLISHED. ANY AND ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF-SITE.

CASINGS

1. PERMANENT CASINGS SHALL BE INSTALLED WITHIN THE UPPER 10FT. OF THE CAISSON FOUNDATION. CASINGS SHALL BE 5/8" THICK GALVANIZED STEEL PIPE PER ASTM A283, GRADE C OR ASTM A36, WITHIN A MINIMUM YIELD STRENGTH OF 33 KSI. ALTERNATE CASING TO BE 14 GAGE CORRUGATED GALVANIZED STEEL PIPE PER ASTM A929, CORRUGATION PROFILE 5x1.

THE ANNULAR VOID SPACE OUTSIDE OF THE CASING SHALL BE FILLED WITH A FLOWABLE SAND-CEMENT GROUT MIX.

THE TOP OF THE CASING SHALL BE FINISHED A MINIMUM 6" BELOW SUBGRADE

2. CASING OPTION: THE CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING FULL LENGTH PERMANENT CASINGS BASED ON CONSTRUCTION METHODOLOGY.

FORMS AND STAGING WORK

1. FORMS AND STAGING USED FOR THE CONSTRUCTION OF THE FOUNDATIONS SHALL BE TIGHT, WELL BRACED, AND CONFORM TO THE SHAPE, LINES AND DIMENSIONS OF THE FOUNDATIONS AS SHOWN AND DETAILED.

CAST-IN-PLACE ITEMS

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3. CAST-IN-PLACE ITEMS SHALL BE PROPERLY SUPPORTED, ACCURATELY POSITIONED TO LINE AND PLUMB, AND POSITION LOCATION VERIFIED PRIOR TO PLACING OF CONCRETE.

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5. FOR TOP OF CONCRETE, BOTTOM OF BASE PLATE, ELEVATIONS SEE FOUNDATION PLAN

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LENGTH OF CAISSON EMBEDMENT

DRILLED CAISSON FOUNDATIONS SHALL BE INSTALLED WITH MINIMUM EMBEDMENT AS SHOWN

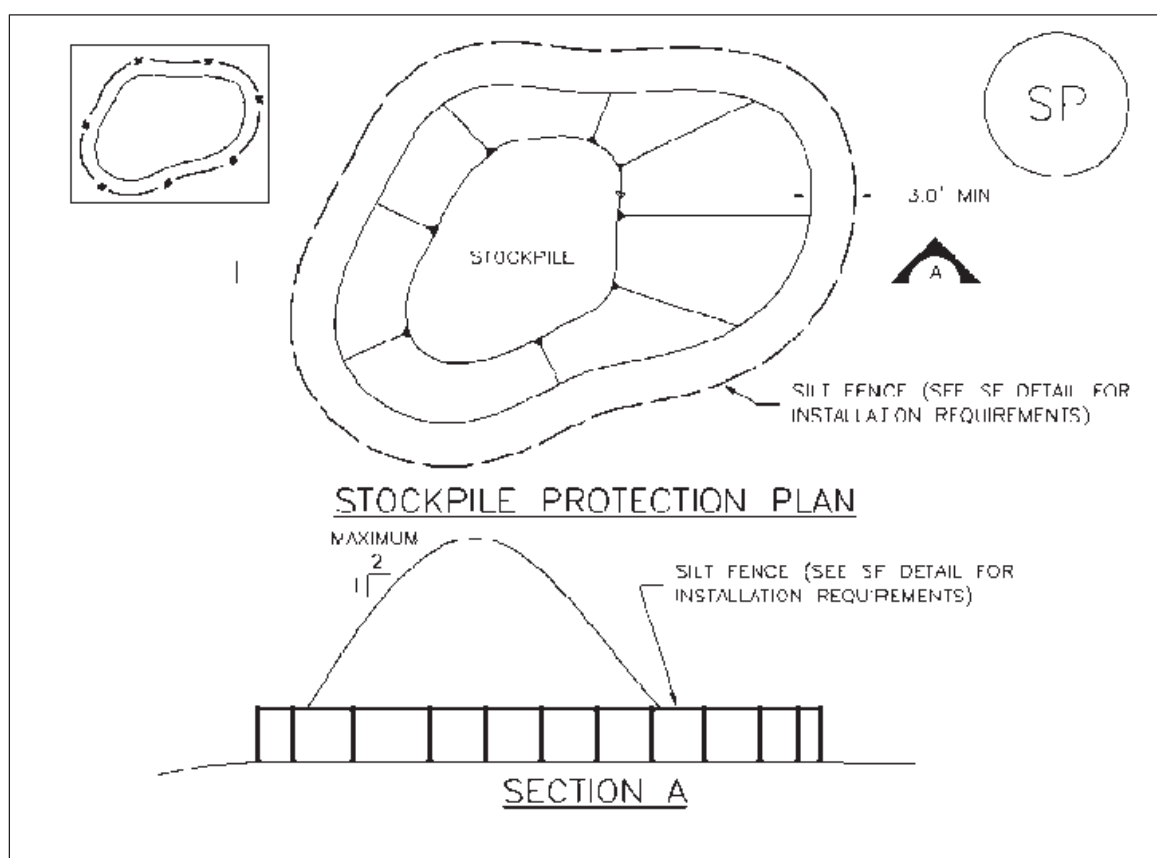
REFERENCE DRAWINGS:

REFERENCE DRAWINGS:

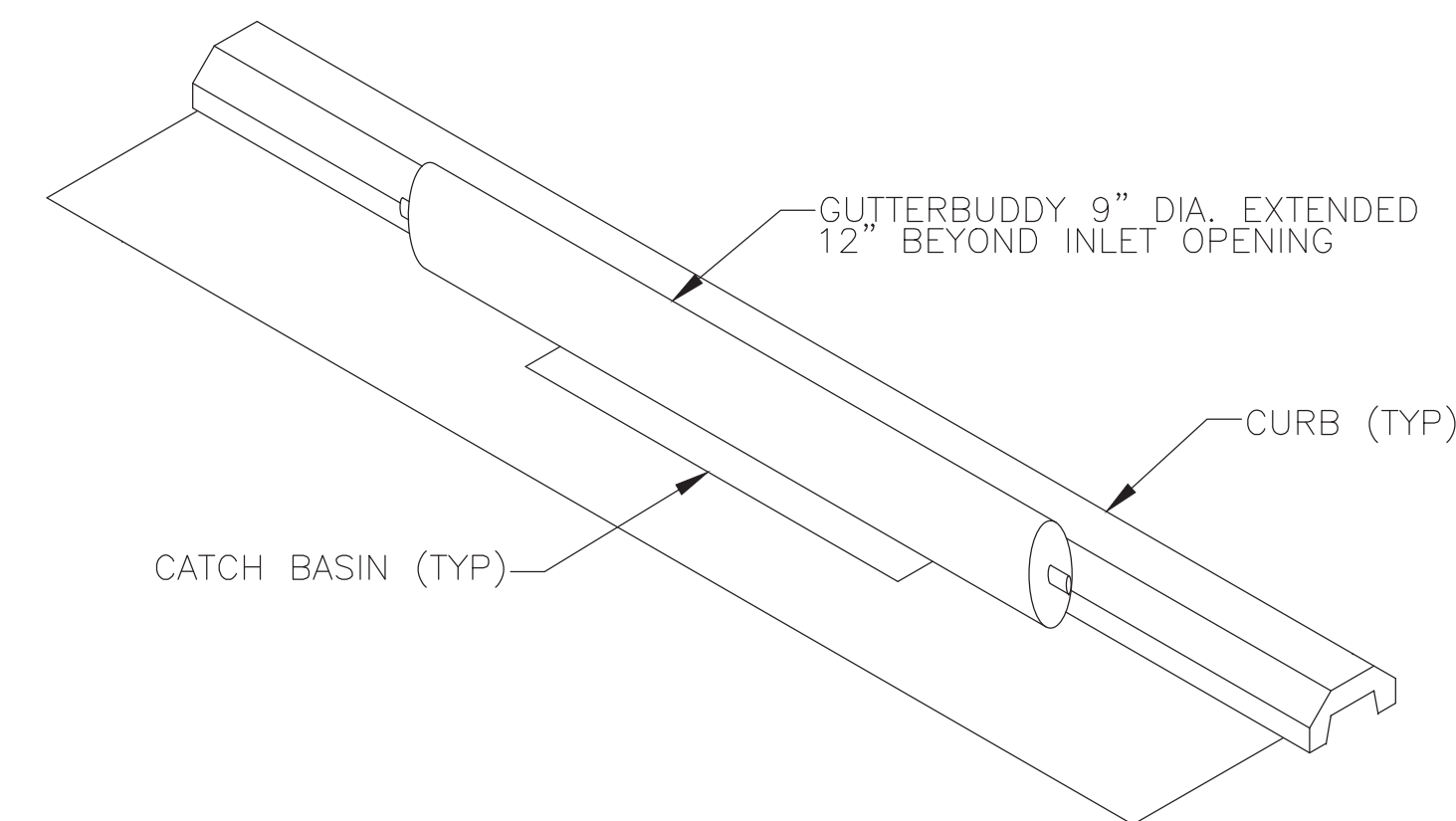
F-114284	PLOT PLAN
F-118060	FOUNDATION PLAN
F-114289	CABLE & CONDUIT PLAN
F-114291	GROUNDING PLAN

[illegible]

1. THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A SEDIMENT FENCE.
2. STOCKPILES SHALL BE VEGETATED - SEE VEGETATIVE STANDARDS FOR SOIL STABILIZATION.



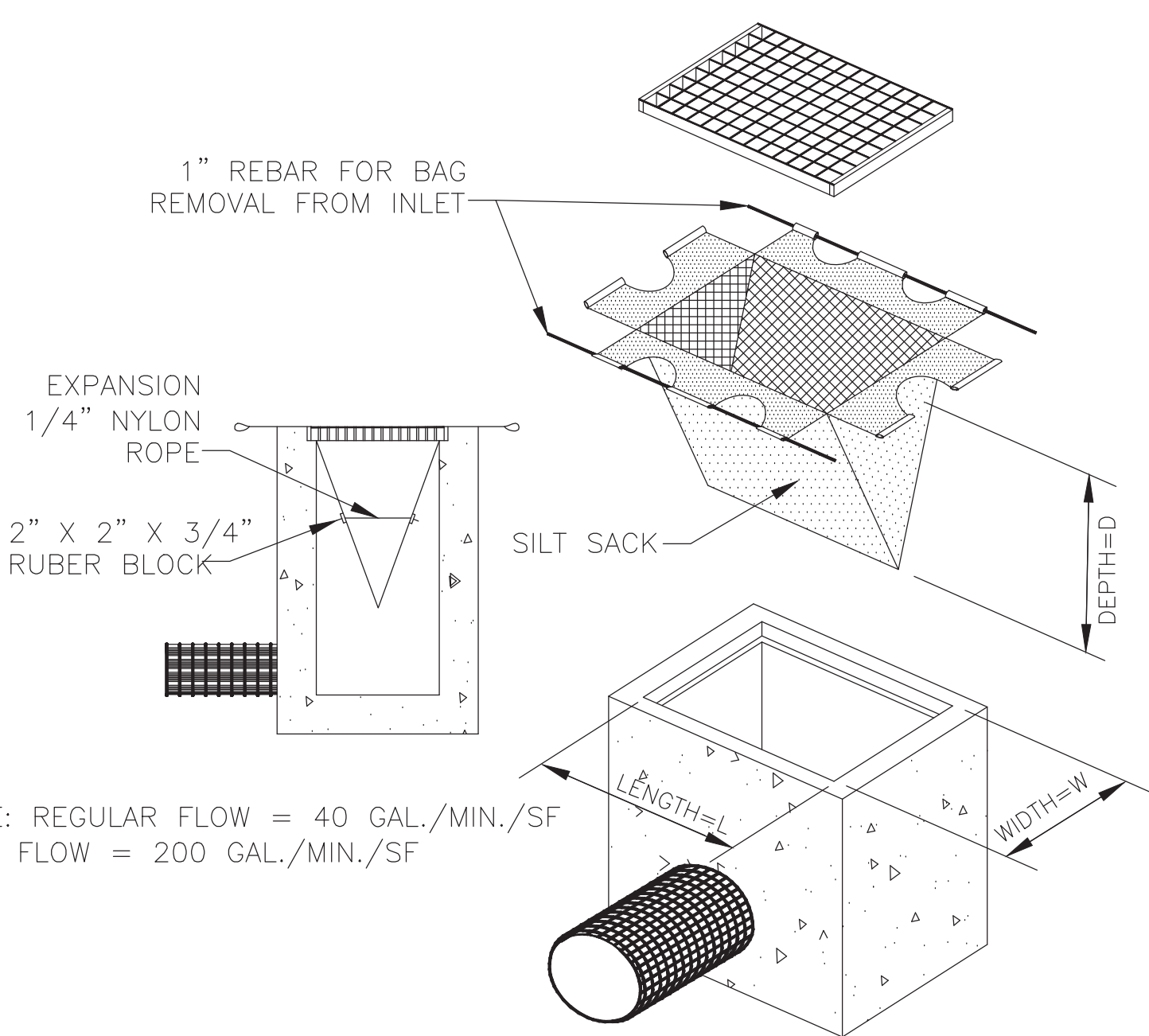
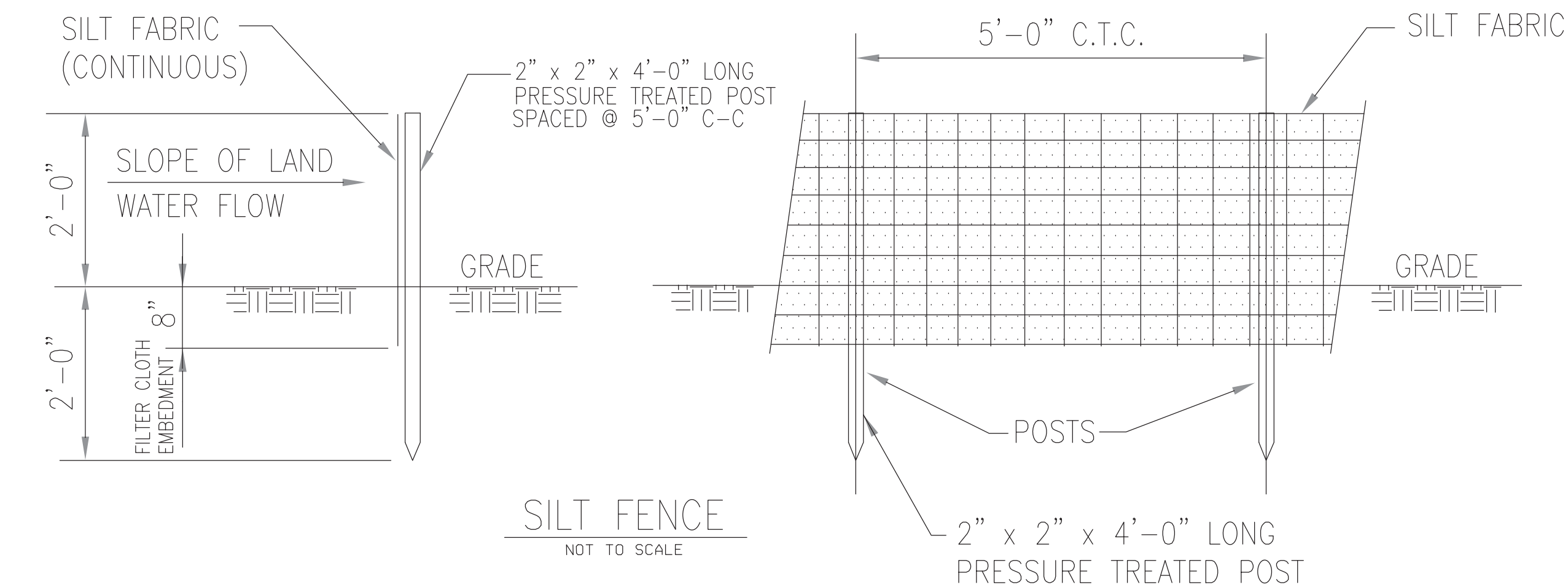
TYPICAL STOCKPILE DETAIL
NOT TO SCALE



GUTTERBUDDY STORM DRAIN
NOT TO SCALE

- SILT FENCE NOTES:

1. SILT FABRIC SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVER-LAPPED BY A MINIMUM OF 6 INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



NOTE: REGULAR FLOW = 40 GAL./MIN./SF
HIGH FLOW = 200 GAL./MIN./SF

- NOTES:

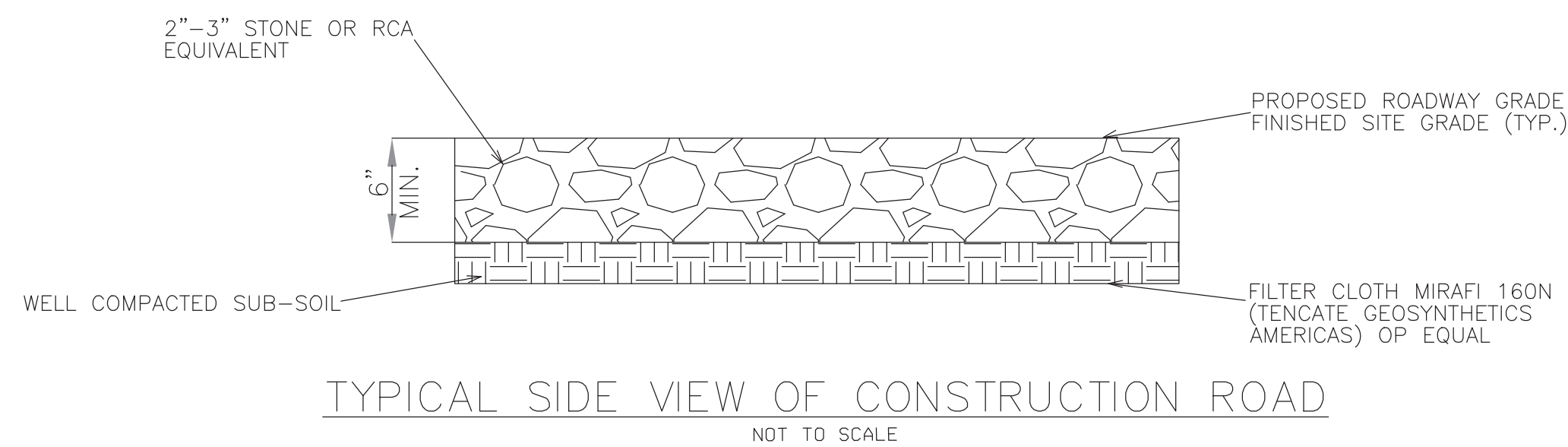
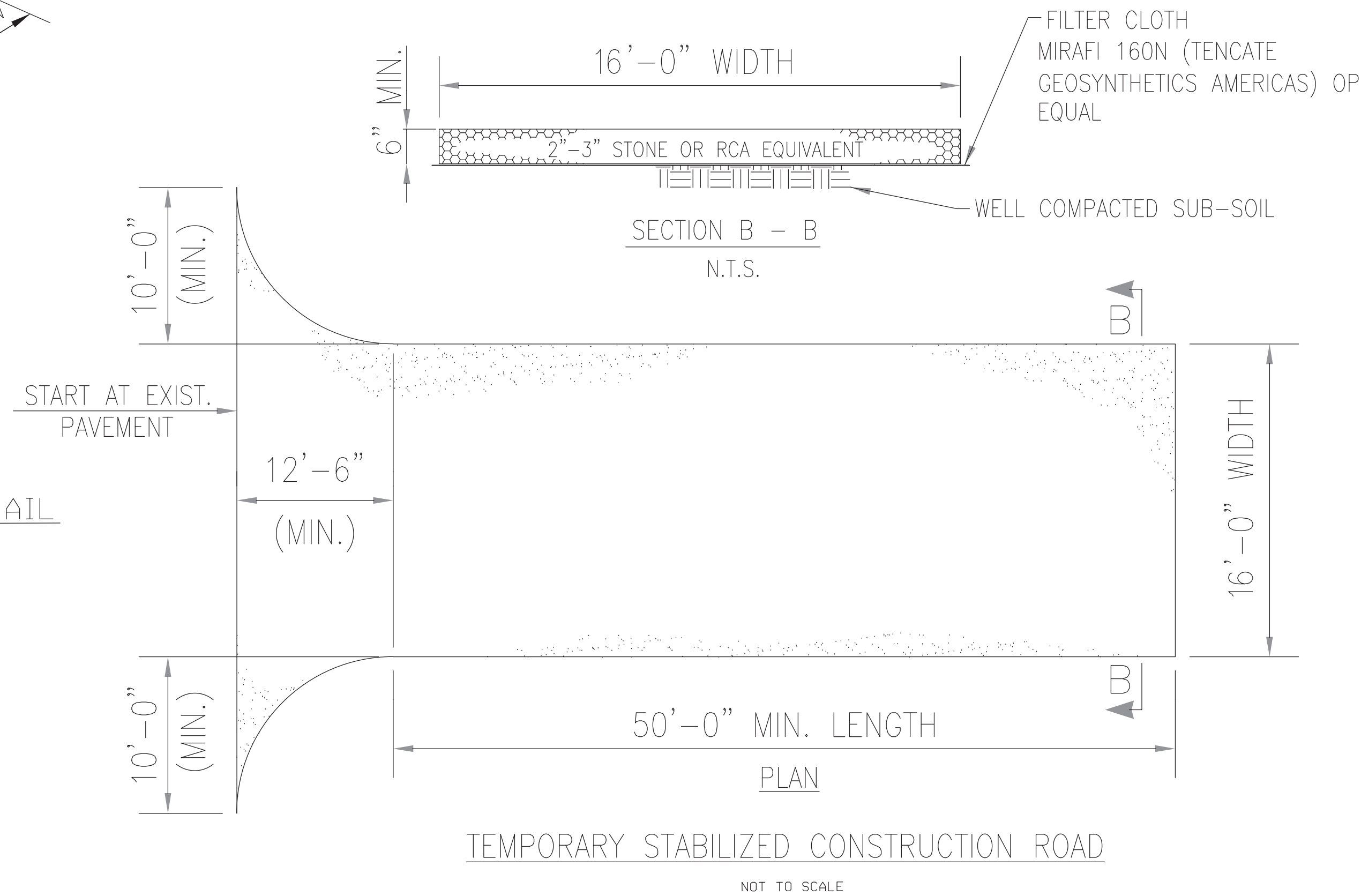
1. ALL STORM DRAIN FILTERS SELECTED FOR THE SITE MUST MEET THE REQUIREMENTS FOR MANUFACTURED INSERT INLET PROTECTION. THE INSTALLATION MUST PRESERVE A MINIMUM OF 50 PERCENT OF THE OPEN, UNOBSTRUCTED DESIGN FLOW AREA OF THE STORM DRAIN INLET OPENING TO MAINTAIN CAPACITY FOR STORM EVENTS, AS OUTLINED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), PAGE 5.59.

SILT SACK INLET PROTECTION DETAIL

NOT TO SCALE

- TEMPORARY STABILIZED CONSTRUCTION ROAD INSTALLATION NOTES:

1. STONE SIZE – USE 2”-3” STONE, OR RECLAIMED OR RECYCLED CONCRETE AGGREGATE EQUIVALENT.
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 25 FOOT MINIMUM, UNLESS NOTED OTHERWISE.
5. FILTER CLOTH – INSTALL OVER THE ENTIRE ROAD AREA PRIOR TO PLACEMENT OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
10. PUBLIC ROADWAYS, STREETS, ETC. SHALL BE CLEANED DAILY, AT THE END OF EACH WORK DAY.



- NOTES:

1. PROPOSED ROADWAY GRADE TO MATCH FINISHED SITE GRADE AT ALL LOCATIONS (TYP.)

[illegible]

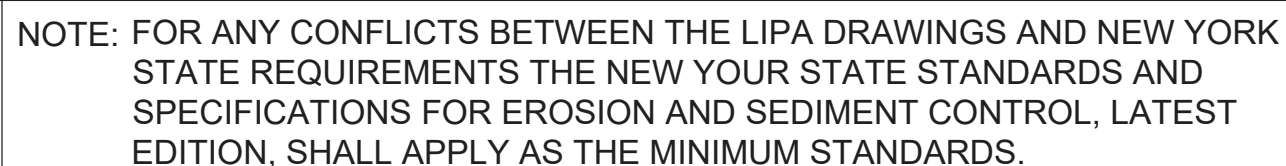
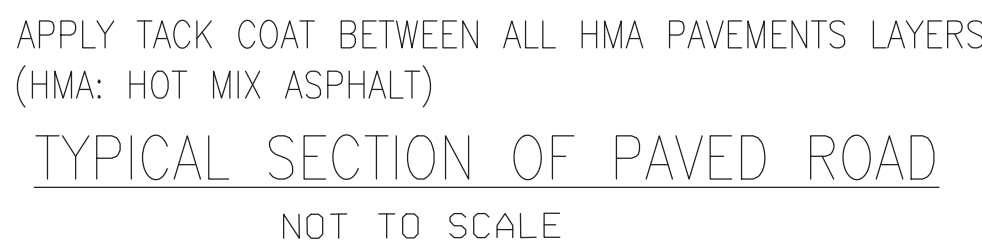
PROJ. NO.	178669
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PROPERTY AND FACILITIES SHOWN ON THIS DRAWING WERE TRANSFERRED TO
Long Island Power Authority AS OF MAY 27, 1996

in accordance with NYS Education law §2803, LIPA and in service provided are exempt from certain engineering and supervisor requirement consistent with an exemption that exists with respect to in-house trained utilities subject to oversight of the Public Service commission.		TEMP DWG. NO.
Long Island Power Authority COMMERCIAL AVE TOWN OF HEMPSTEAD, NEW YORK		
EROSION & SEDIMENT CONTROL DETAILS		
TERMINAL FACILITY		
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York		
SCALE AS NOTED	VENDOR DWG. NO.	REVISION
DRAWING NO. F118087	SMART NO. XX XX-XX-XXXXX	REVISION 0
SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.



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



1. PROPOSED ROADWAY GRADE TO MATCH FINISHED SITE GRADE AT ALL LOCATIONS (TYP.)

**BURNS
MCDONNELL**
Burns & McDonnell EGS
PROJ. NO. 178669

ISSUE								
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NO.	DATE	W.O.	DESCRIPTION	DWN BY	OKD BY	REVIEWED	APPO	
PROPERTY AND FACILITIES SHOWN ON THIS DRAWING WERE TRANSFERRED TO Long Island Power Authority AS OF MAY 27, 1998								

In accordance with NYS Education Law §208(1), LIPA and its service provider 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 TERMINAL YARD - SECTIONS & DETAILS TERMINAL FACILITY		
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York		
SCALE AS NOTED		VENDOR DWG. NO.
DRAWING NO. F118088	SMART NO. XX XX-XX-XXXXX	REVISION 0

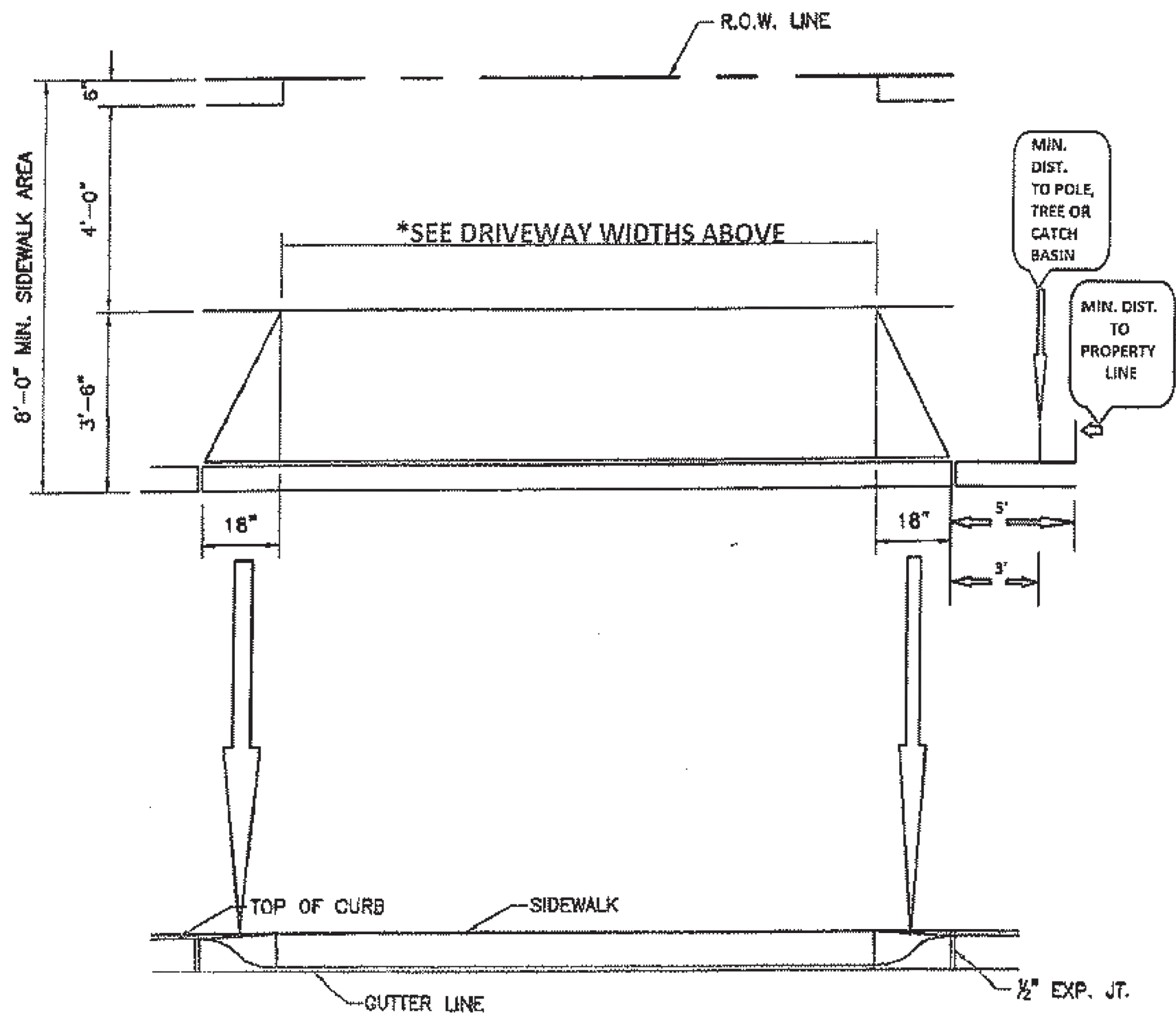
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SYSTEM SERIAL NO.	CABINET NO.	FOLDER NO.
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CONCRETE MUST BY NASSAU COUNTY CLASS 'A' ONLY

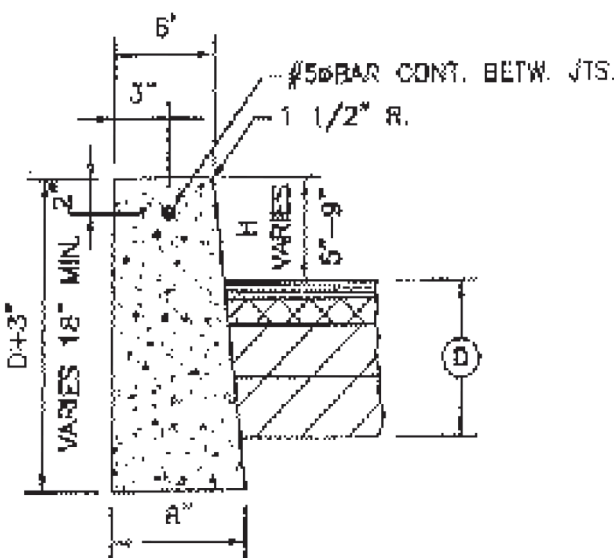
CONCRETE MUST BE FROM AN APPROVED PLANT ONLY

*COMMERCIAL ONE WAY - MINIMUM 20' MAXIMUM 30'



AS OF OCT 2015

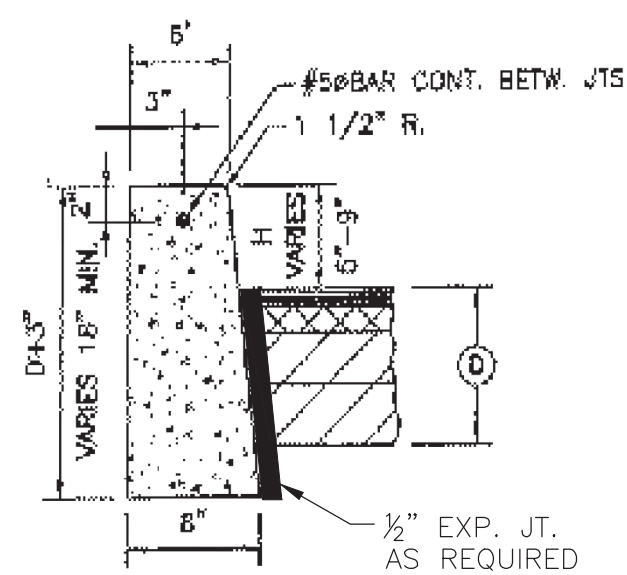
PAGE 5 OF 9



STANDARD CURB

CONCRETE MUST BY NASSAU COUNTY CLASS 'A' ONLY

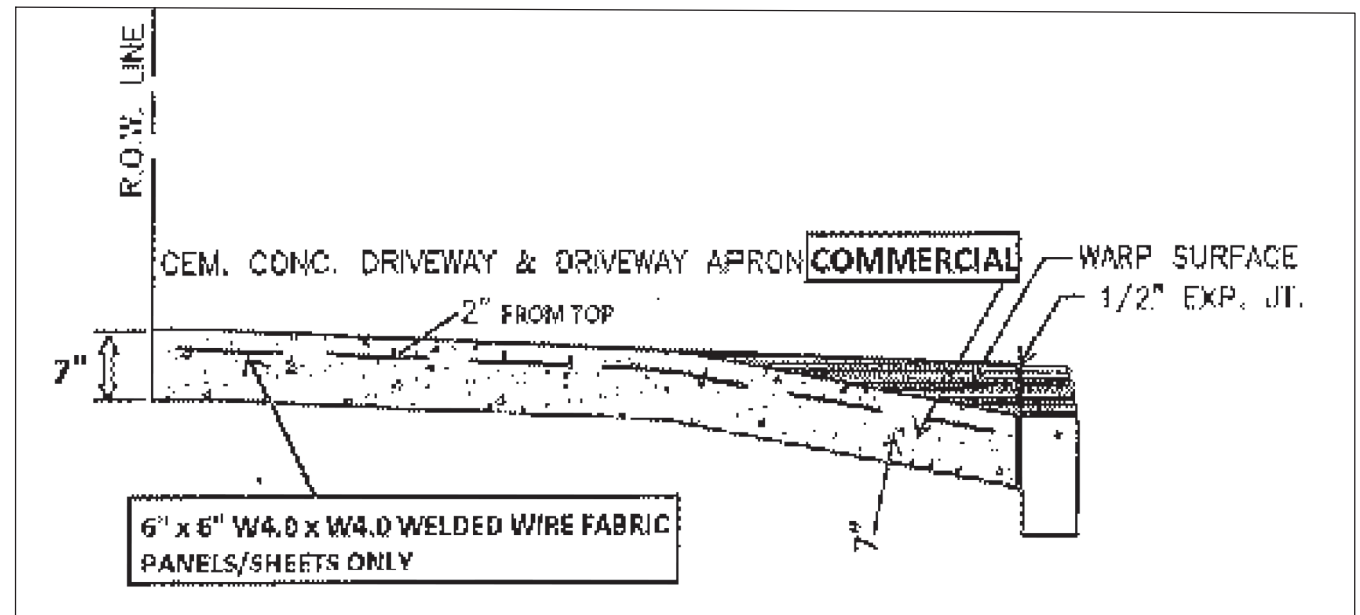
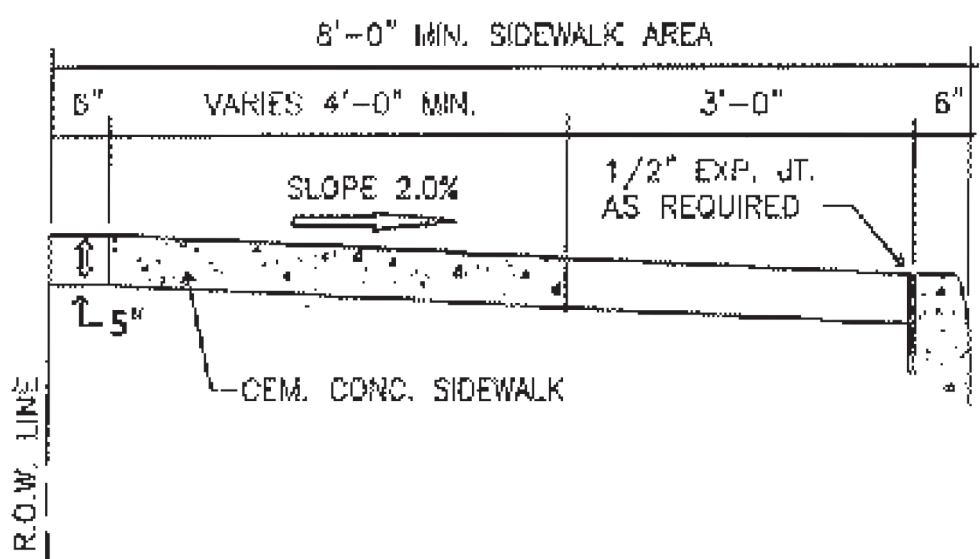
CONCRETE MUST BE FROM AN APPROVED PLANT ONLY



STANDARD CURB W/ EXPANSION JOINT

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.



CONCRETE MUST BY NASSAU COUNTY CLASS 'A' ONLY

CONCRETE MUST BE FROM AN APPROVED PLANT ONLY

AS OF OCT 2015

PAGE 7 OF 9

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.

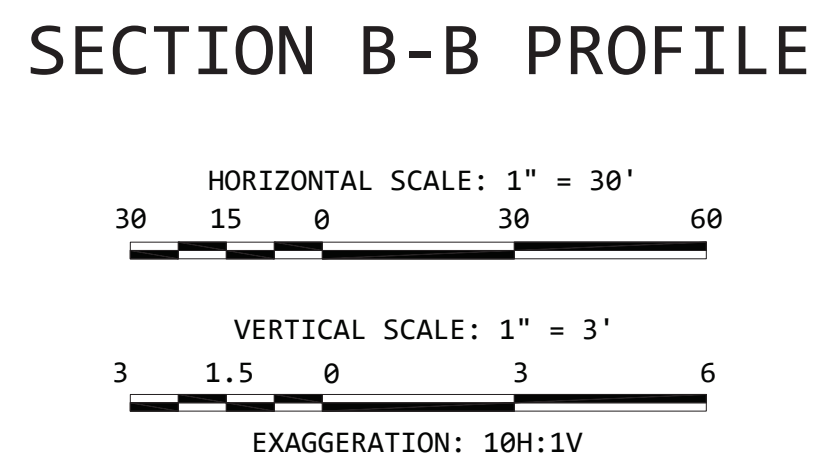
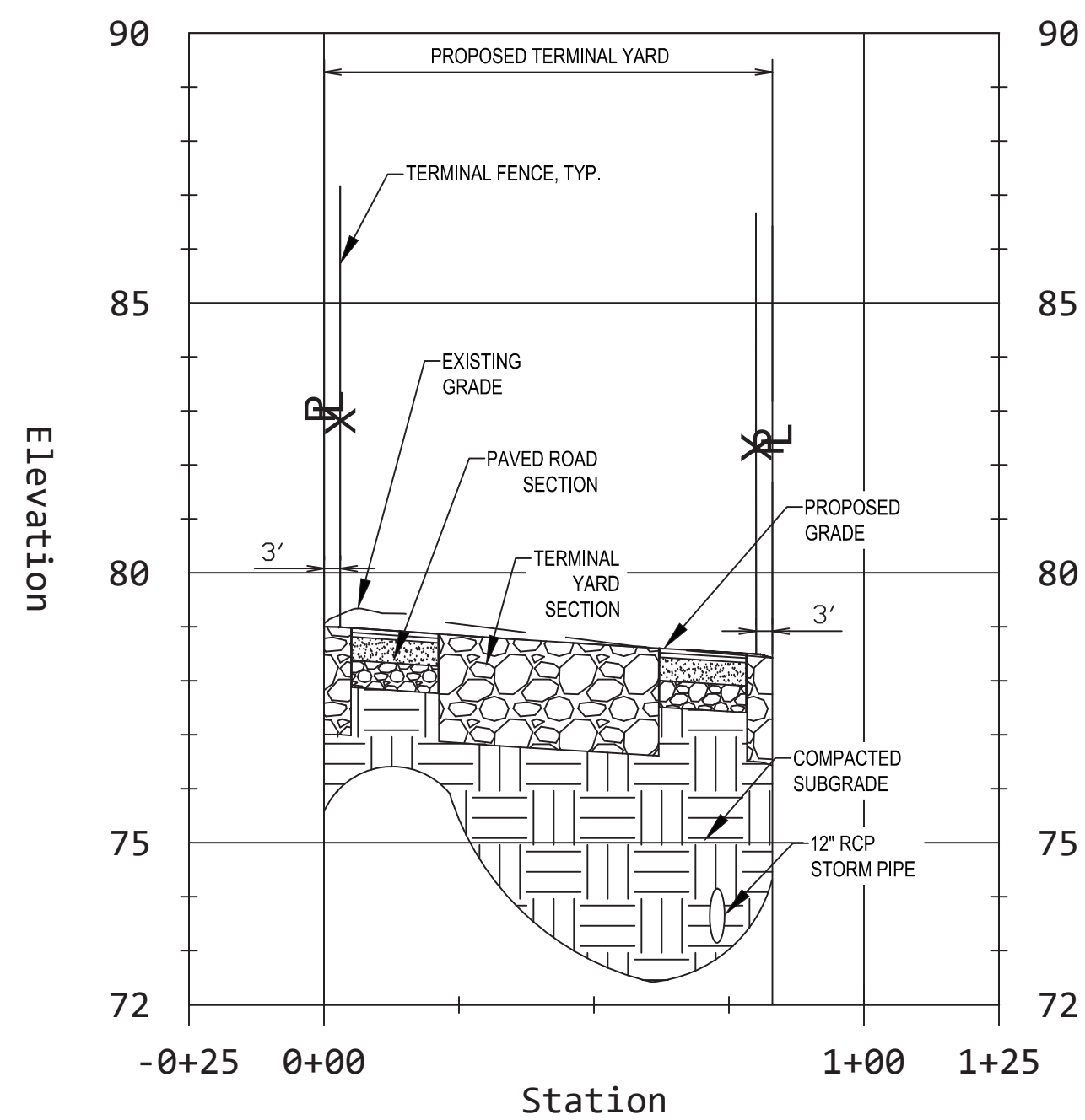
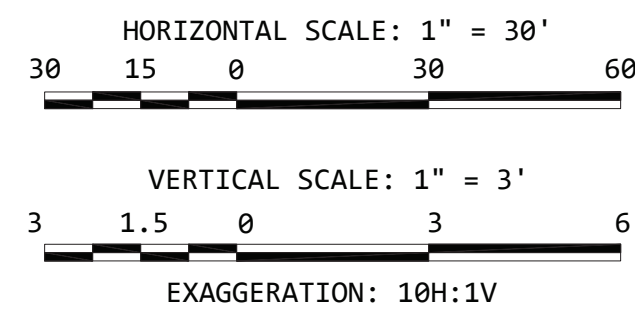
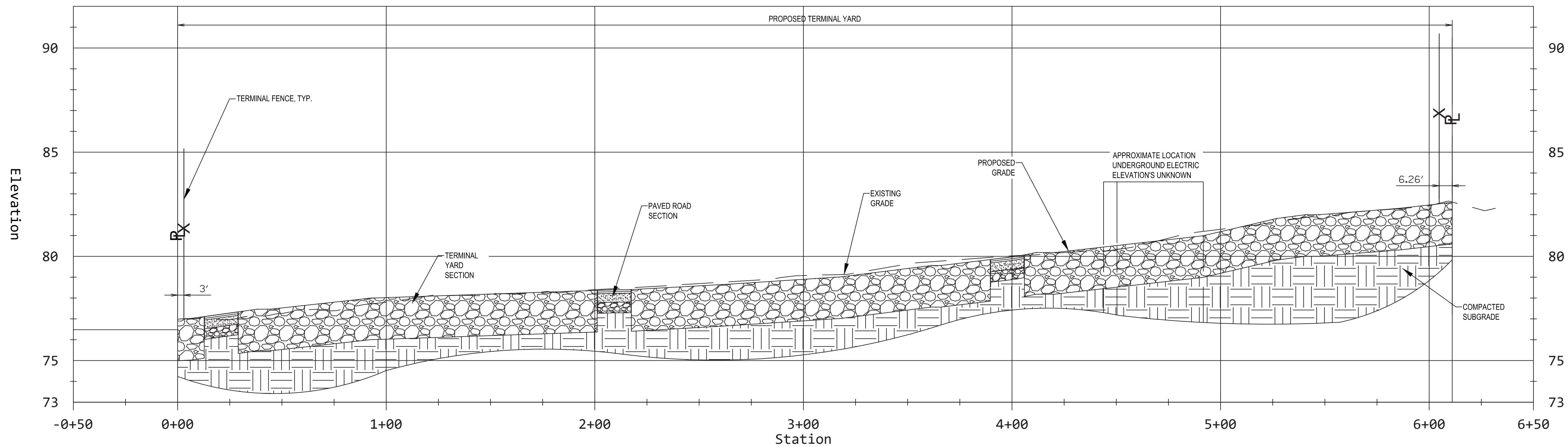
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B	05/01/2026	ISSUED FOR PERMITTING	KAV	VG	JR
A	02/02/2026	FOR BIDDING	KAV	VG	JR

**BURNS
MCDONNELL**
Burns & McDonnell EGS

PROJ. NO. 178669

NO.	DATE	W.D.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
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In accordance with NYS Education Law §2801(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.



REFERENCE DRAWINGS:

F18082	REMOVAL PLAN
F18083	SITE PLAN
F18085	EROSION & SEDIMENT CONTROL PLAN
F18086	EROSION & SEDIMENT CONTROL NOTES
F18087	EROSION & SEDIMENT CONTROL DETAILS
F18088	CIVIL DETAILS SH. 1
F18089	CIVIL DETAILS SH. 2
F18090	CIVIL DETAILS SH. 3

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	NO.	DATE	W/O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPRO	

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

In accordance with NYS Education law §2801(1), LIPA and its service providers are exempt from certain engineering and surveyor requirements consistent with an exemption that exists with respect to innovative-oriented utilities subject to oversight of the Public Service Commission.		TEMP. DWG. NO.
Long Island Power Authority COMMERCIAL AVE TOWN OF HEMPSTEAD, NEW YORK		
PROFILE VIEWS		
TERMINAL FACILITY		
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York		
SCALE AS NOTED	VENDOR DWG. NO.	
DRAWING NO. F118513	SMART NO. XX XX-XX-XXXXX	REVISION 0

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