

A

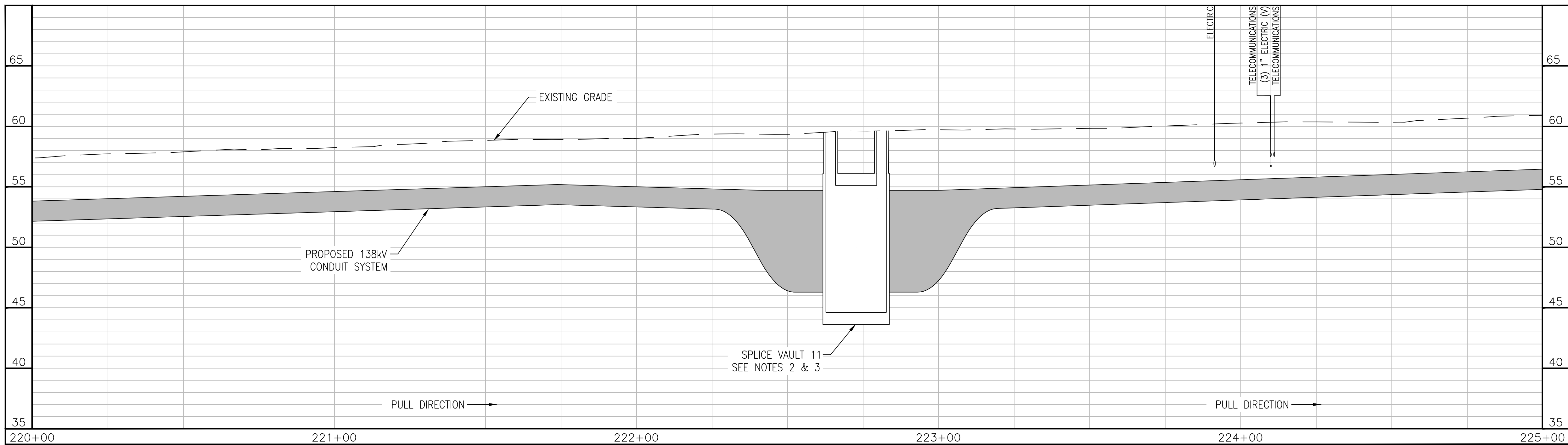
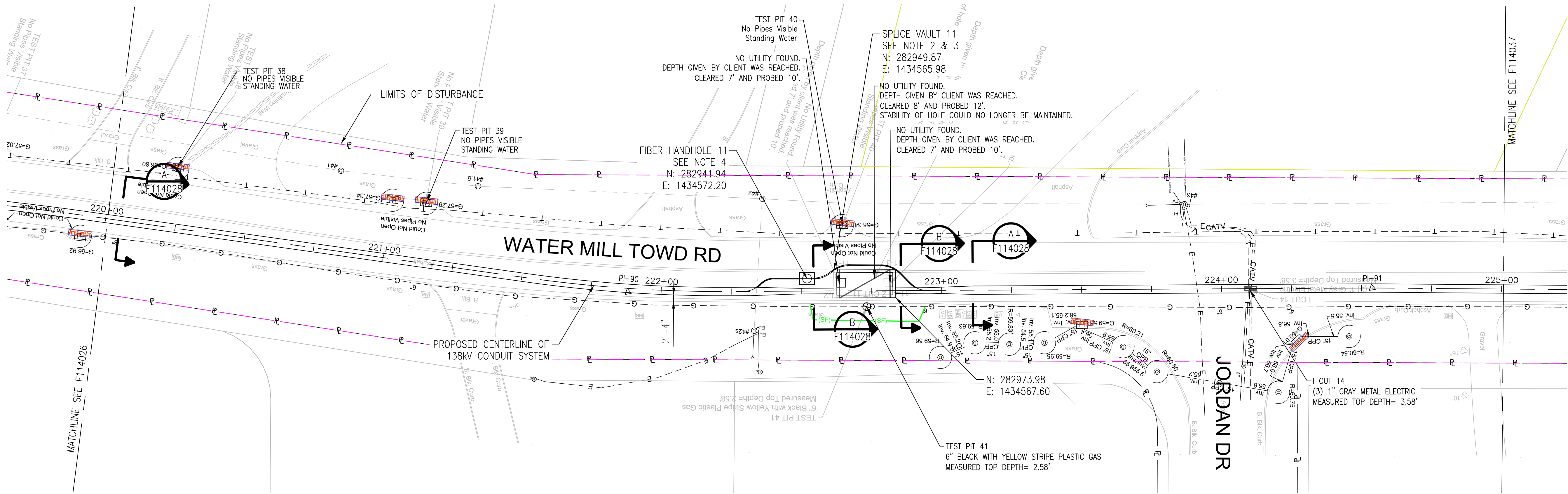
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C

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E

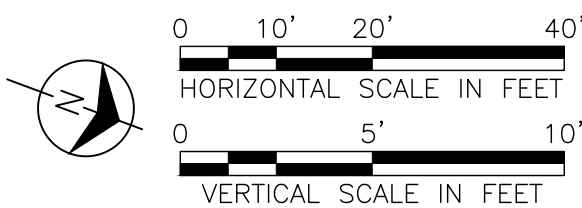
F



NOTES:

- SEE F113982 AND F113983 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
- SEE F114522, F114550 AND F114556 THROUGH F114558 FOR SPLICE VAULT DETAILS.
- SPLICE VAULT DESIGN TO BE CONFIRMED BY PSEG LONG ISLAND IN SUBSEQUENT STAGES OF DESIGN.
- SEE F114031 FOR FIBER HANDHOLE DETAILS.

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.



ISSUED
FOR PERMITTING

NO.	DATE	W.O.	DESCRIPTION	ISSUED	REVISED	APPROVED
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG
REV	DATE		DESCRIPTION	DRAWN	REVIEW	APPR

**BURNS
MCDONNELL**

PROJ. NO. 154527

NO.	DATE	W.O.	DESCRIPTION	ISSUED	REVISED	APPROVED
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG
REV	DATE		DESCRIPTION	DRAWN	REVIEW	APPR

Long Island Power Authority
TIANA - BUELL
OPS BLDG 1
69kV TRANSMISSION LINE

PLAN AND PROFILE SHEET 43 OF 47
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69kV
UNDERGROUND TRANSMISSION ENGINEERING

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

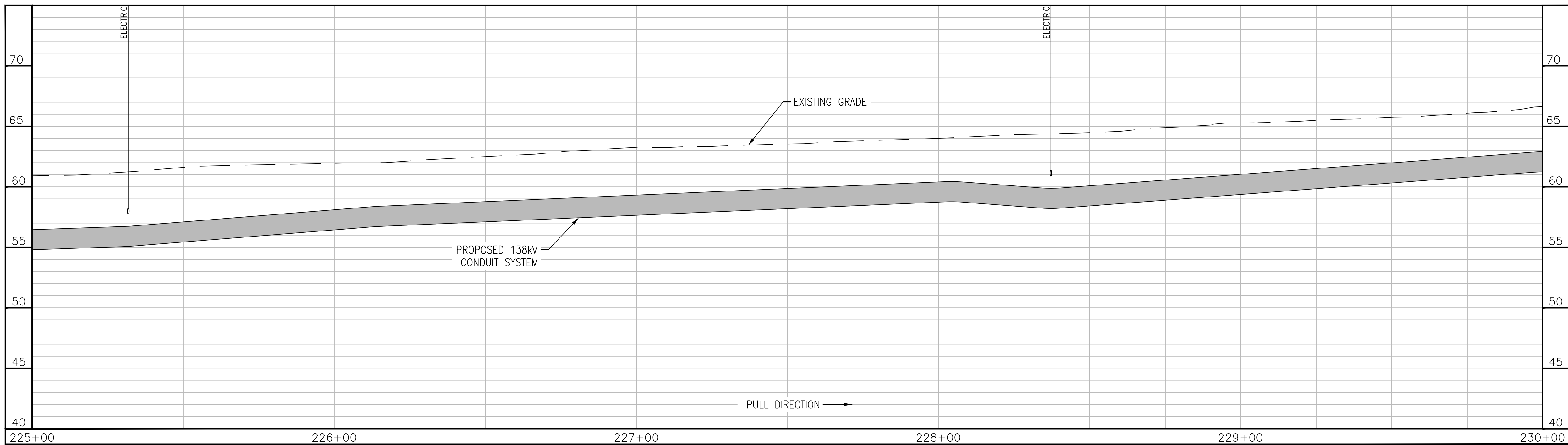
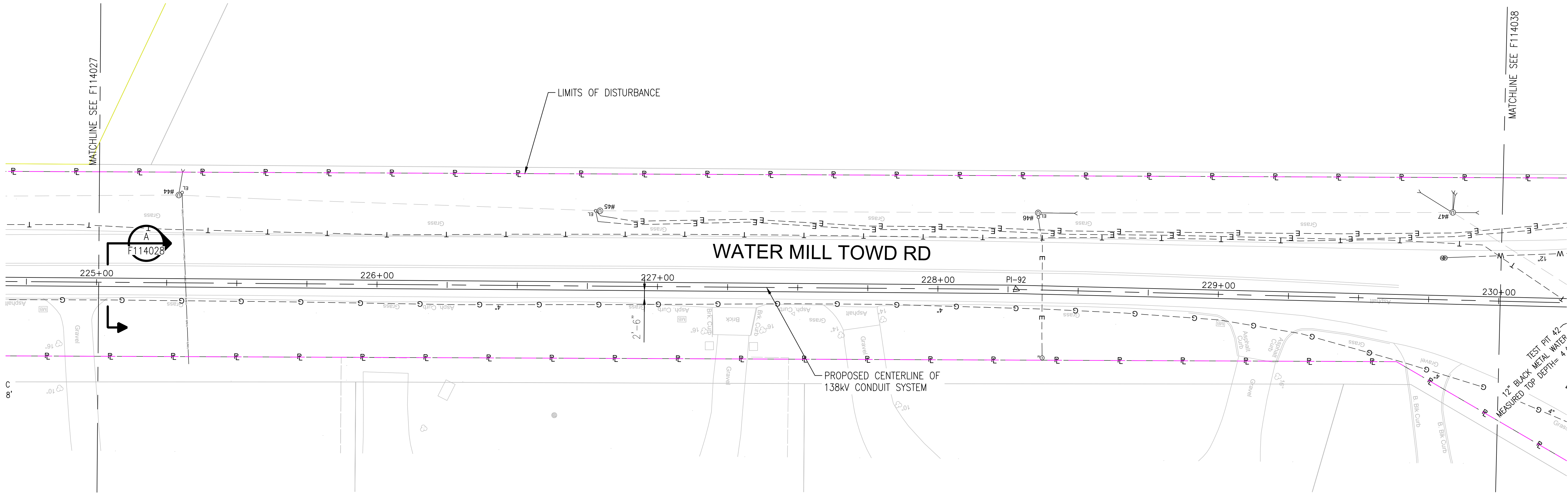
SCALE
HORIZ: 1"=20' VERT: 1"=5'

DRAWING NO. F114027

VENDOR DWG. NO. RVF69-FU-01199

REVISION 0

CABINET NO. FOLDER NO.



APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

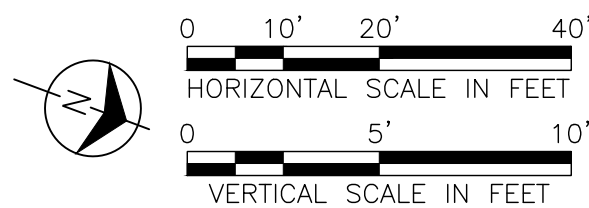
THIS APPROVAL SHALL NOT RELIEVE
THE CONTRACTOR FROM ENTIRE
RESPONSIBILITY FOR DIMENSIONAL
ACCURACY, CONFORMANCE WITH
REFERENCED SPECIFICATIONS, CODES
AND ALL LIABILITY UNDER CONTRACT.

PER: _____
DATE: _____

NOTES:

1. SEE F113982 AND F113983 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.

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.



ISSUED
FOR PERMITTING

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CHK BY	REVISED	BY	DATE
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG		
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG		
REV	DATE		DESCRIPTION	DRAWN	REVIEW	APPR		

**BURNS
MEDONNELL**

PROJ. NO. 154527

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CHK BY	REVISED	BY	DATE
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG		
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG		
REV	DATE		DESCRIPTION	DRAWN	REVIEW	APPR		

Long Island Power Authority
TIANA - BUELL
OPS BLDG 1
69kV TRANSMISSION LINE

PLAN AND PROFILE SHEET 44 OF 47
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69kV
UNDERGROUND TRANSMISSION ENGINEERING

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

SCALE
HORIZ: 1"=20' VERT: 1"=5'

DRAWING NO. F114037

VENDOR DWG. NO. RVF69-FU-01200

REVISION 0

CABINET NO. FOLDER NO.

A

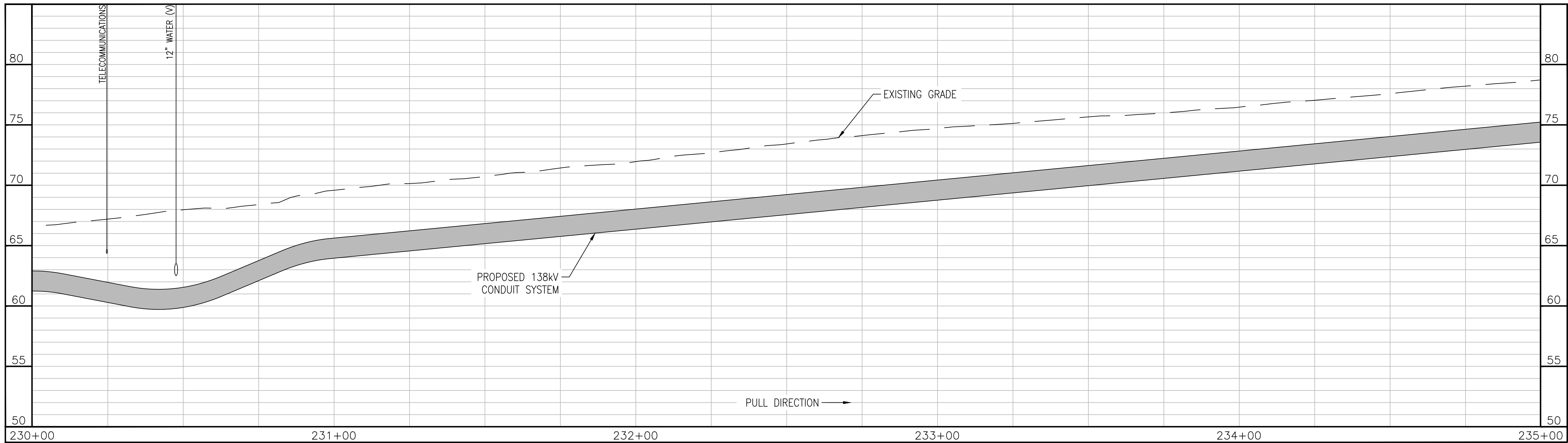
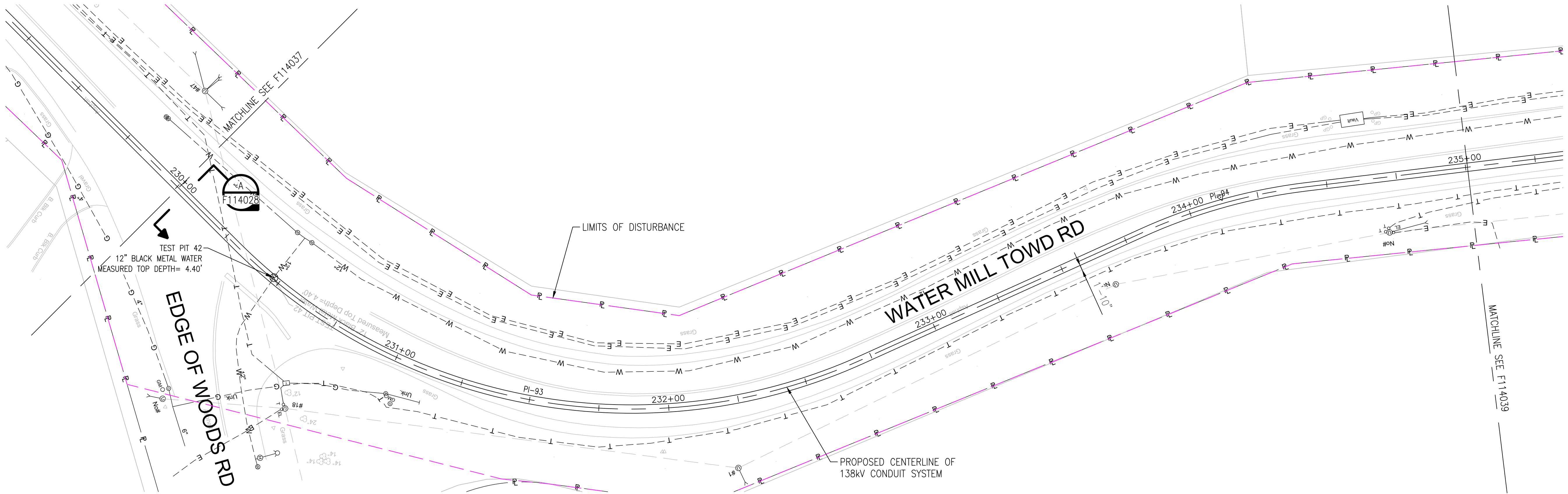
B

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F



APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

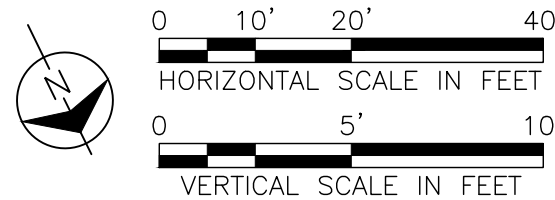
THIS APPROVAL SHALL NOT RELIEVE
THE CONTRACTOR FROM ENTIRE
RESPONSIBILITY FOR DIMENSIONAL
ACCURACY, CONFORMANCE WITH
REFERENCED SPECIFICATIONS, CODES
AND ALL LIABILITY UNDER CONTRACT.

PER: _____
DATE: _____

NOTES:

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ISSUED
FOR PERMITTING

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVISED	BY	DATE
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG		
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG		

**BURNS
MEDONNELL**

PROJ. NO. 154527

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVISED	BY	DATE
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG		
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG		

Long Island Power Authority
TIANA - BUELL
OPS BLDG 1
69kV TRANSMISSION LINE

PLAN AND PROFILE SHEET 45 OF 47
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69kV
UNDERGROUND TRANSMISSION ENGINEERING

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

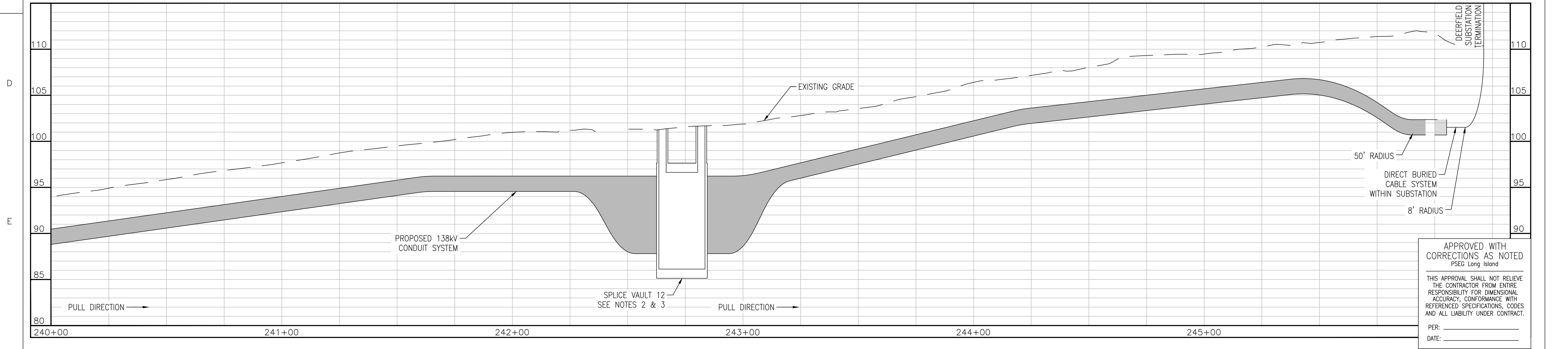
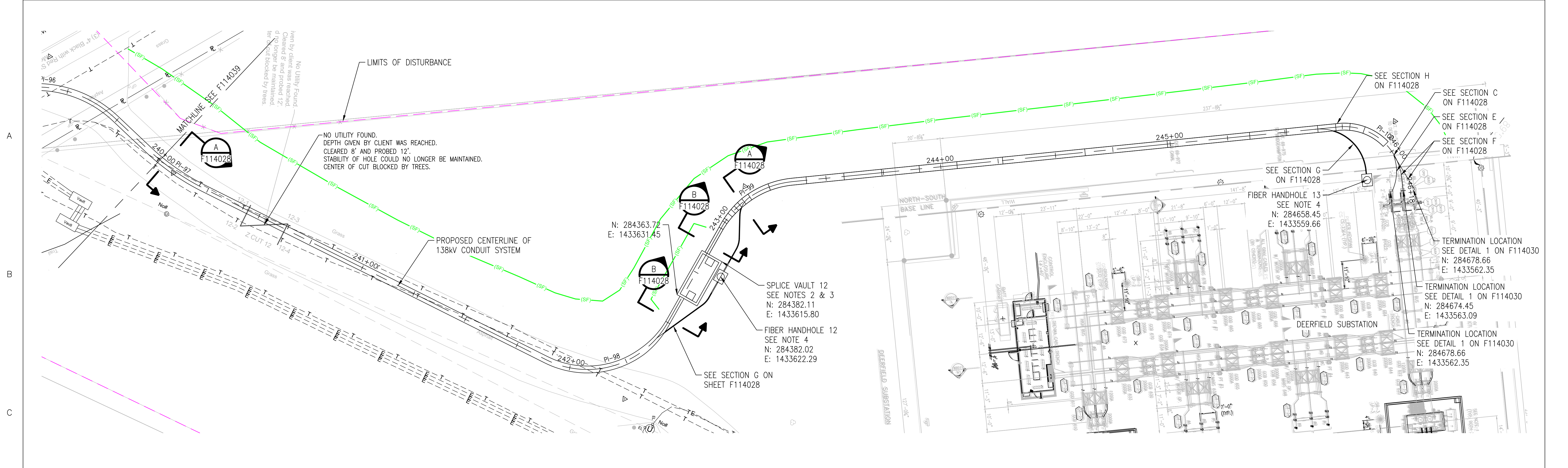
SCALE
HORIZ: 1"=20' VERT: 1"=5'

DRAWING NO. F114038

VENDOR DWG. NO. RVF69-FU-01201

REVISION 0

CABINET NO. FOLDER NO.



NOTES:

- SEE F113982 AND F113983 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
- SEE F114522, F114550 AND F114556 THROUGH F114558 FOR SPLICE VAULT DETAILS.
- SPLICE VAULT DESIGN TO BE CONFIRMED BY PSEG LONG ISLAND IN SUBSEQUENT STAGES OF DESIGN.
- SEE F114031 FOR FIBER HANDHOLE DETAILS.
- LOCATION OF TERMINATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FINAL LOCATION OF TERMINATIONS WITH PSEG LONG ISLAND. SEE F114030 FOR TERMINATION STRUCTURE DETAILS.

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ISSUED FOR PERMITTING

0 10' 20' 40'
HORIZONTAL SCALE IN FEET
0 5' 10'
VERTICAL SCALE IN FEET

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CHK BY	# REVISED	# NOVEL
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG	
0	07/25/2025		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG	
REV	DATE		DESCRIPTION	DRAWN	REVIEW	APPR	

PROJ. NO. 154527

BURNS & MCDONNELL

ISSUE	NO.	DATE	W.O.	DESCRIPTION	DWN BY	CHK BY	# REVISED	# NOVEL
	10/03/2025	L8101	ORINAL ISSUE		JAS	KT	0	0

Long Island Power Authority
TIANA - BUELL
OPS BLDG 1
69KV TRANSMISSION LINE

PLAN AND PROFILE SHEET 47 OF 47
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69KV
UNDERGROUND TRANSMISSION ENGINEERING

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

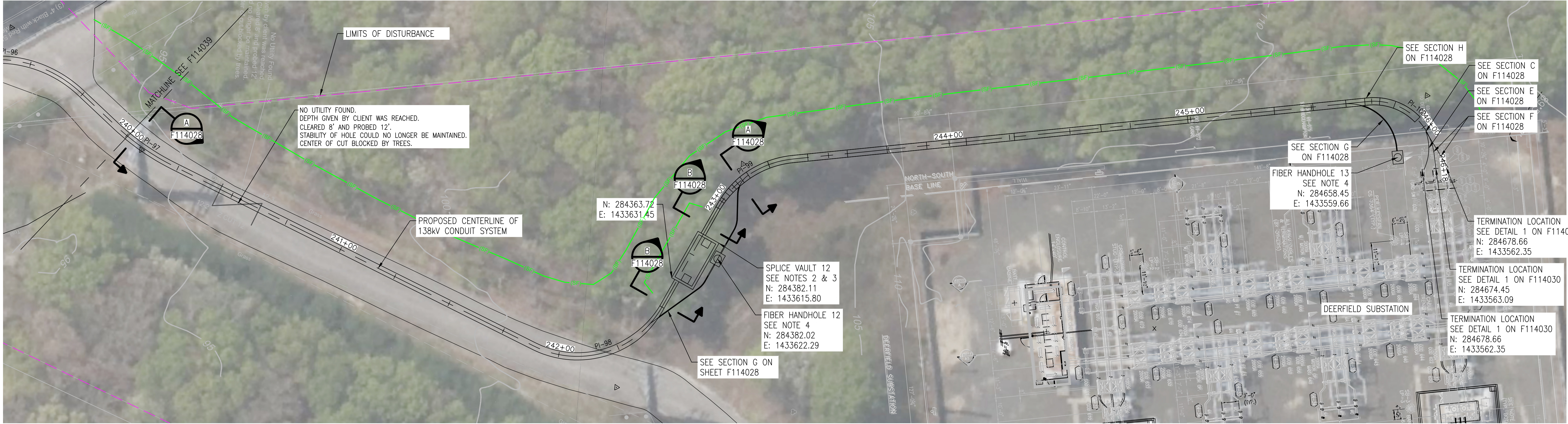
SCALE
HORIZ: 1"=20' VERT: 1"=5'

DRAWING NO. F114040

SMART NO. RVF69-FU-01203

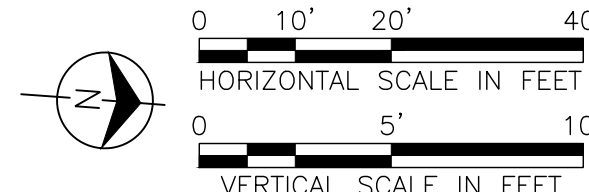
REVISION 0

CABINET NO. FOLDER NO.



- NOTES:
- SEE F113982 AND F113983 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
 - SEE F114522, F114550 AND F114556 THROUGH F114558 FOR SPLICE VAULT DETAILS.
 - SPLICE VAULT DESIGN TO BE CONFIRMED BY PSEG LONG ISLAND IN SUBSEQUENT STAGES OF DESIGN.
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ISSUED
FOR PERMITTING



PROJ. NO. 154527

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____
DATE: _____

10/03/2025		ISSUED FOR PERMITTING		JAS	LAF	DAG
07/25/2025		ISSUED FOR CONSTRUCTION		JAS	LAF	DAG
REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR	

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
	10/01/2024	L8101	ORIGINAL ISSUE				

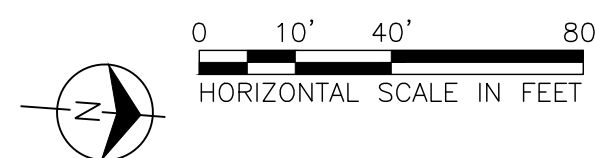
Long Island Power Authority			
TIANA — BUELL			
OPS BLDG 1			
69kV TRANSMISSION LINE			
PLAN AND PROFILE SHEET 47 OF 47			
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69kV			
UNDERGROUND TRANSMISSION ENGINEERING			
175 East Old Country Road Hicksville, New York			
SCALE			
HORIZ: 1"=20' VERT: 1"=5'			
DRAWING NO.	SMART NO.	VENDOR DWG. NO.	REVISION
F114040i	RVF69-FU-01203		0
SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.	



NOTES:

1. SEE F113982 AND F113983 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. SEE F114522, F114550 AND F114556 THROUGH F114558 FOR SPLICE VAULT DETAILS.
3. SPLICE VAULT DESIGN TO BE CONFIRMED BY PSEG LONG ISLAND IN SUBSEQUENT STAGES OF DESIGN.
4. SEE F114031 FOR FIBER HANDHOLE DETAILS.
5. LOCATION OF TERMINATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FINAL LOCATION OF TERMINATIONS WITH PSEG LONG ISLAND. SEE F114030 FOR TERMINATION STRUCTURE DETAILS.

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ISSUED
FOR PERMITTING

[illegible]

**BURNS
MCDONNELL**

PRJ. NO. 154527

ISSUE								
	10/10/2024	13/11/01	ORIGINAL ISSUE		JB	XX	N MODEL FE	N MODEL FE
	NO.	DATE	W.O.	DESCRIPTION	DWN BY	CND BY	REVIEWED	APPD

 Long Island Power Authority TIANA - BUELL OPS BLDG 1 69KV TRANSMISSION LINE			
DEERFIELD SUBSTATION (EXPANDED) SOUTHAMPTON TO DEERFIELD 138KV OPERATED AT 69KV UNDERGROUND TRANSMISSION ENGINEERING			
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York			
SCALE HORIZ: 1"=40'		VENDOR CADD NO.	
DRAWING NO. F114040A		SMART NO. RVF69-FU-01203	
		REVISION 0	

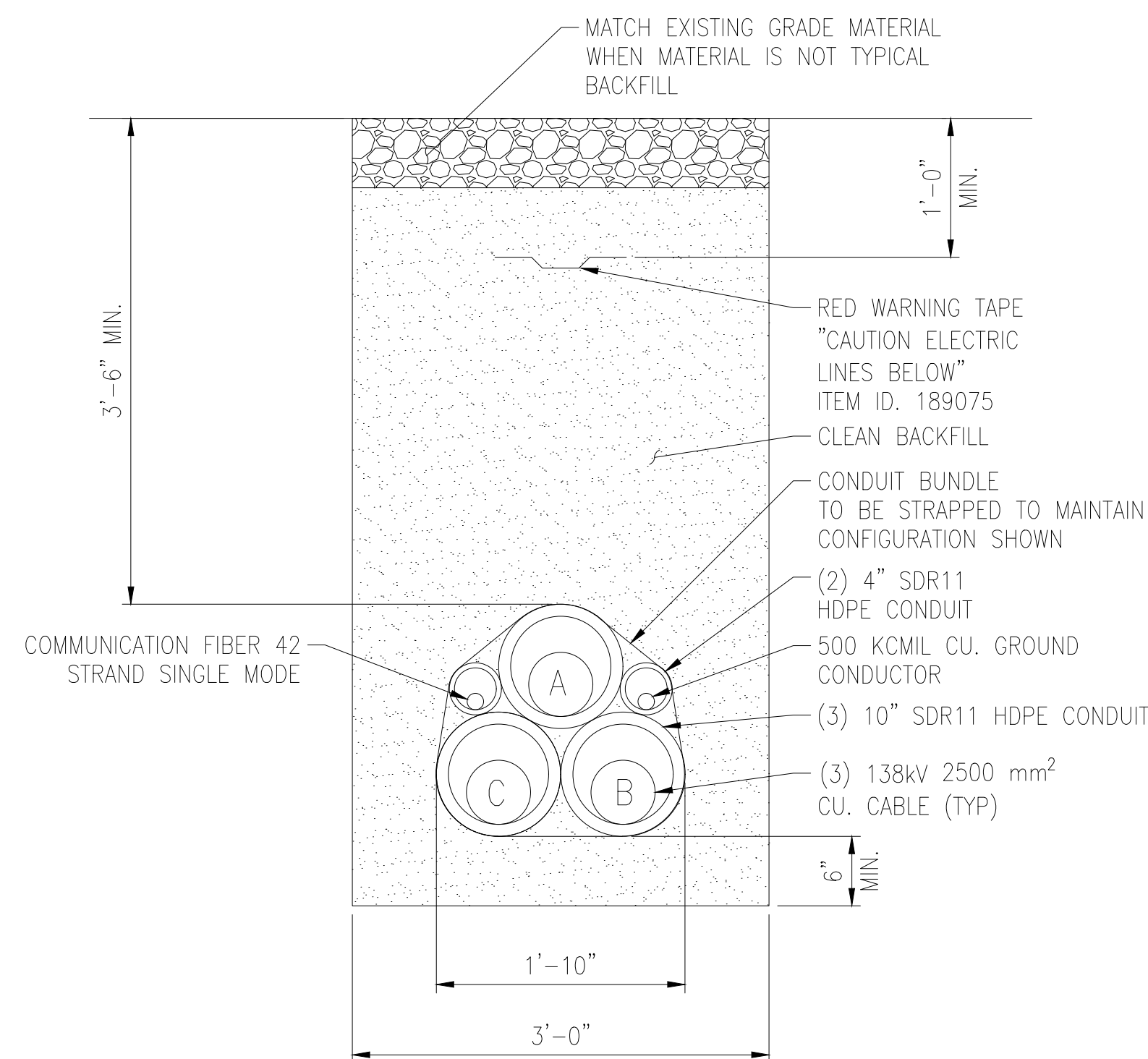
APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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THE CONTRACTOR FROM ENTIRE
RESPONSIBILITY FOR DIMENSIONAL
ACCURACY, CONFORMANCE WITH
REFERENCED SPECIFICATIONS, CODES
AND ALL LIABILITY UNDER CONTRACT.

PER: _____
DATE: _____

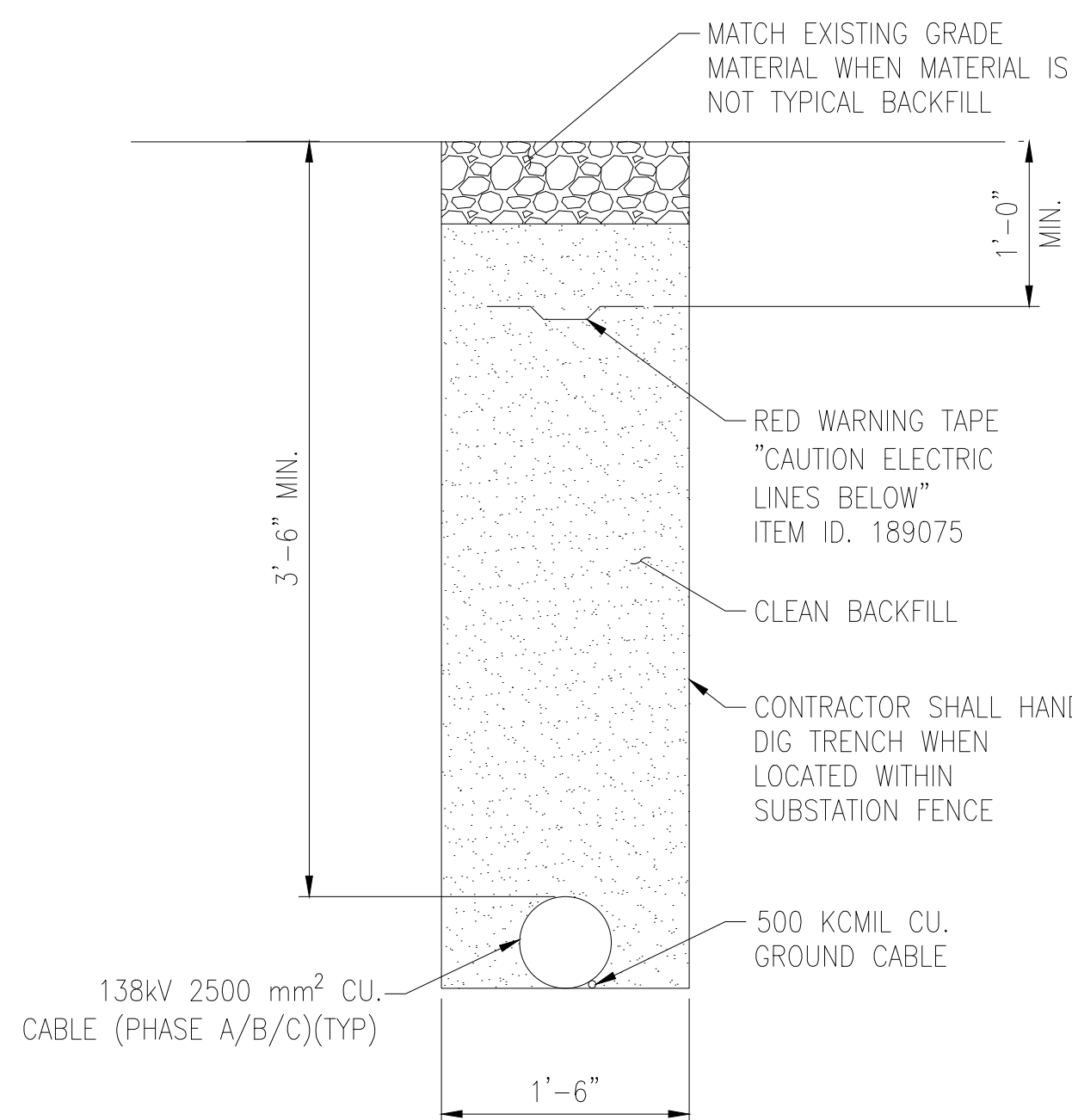
TEMP.
DWG.
NO.





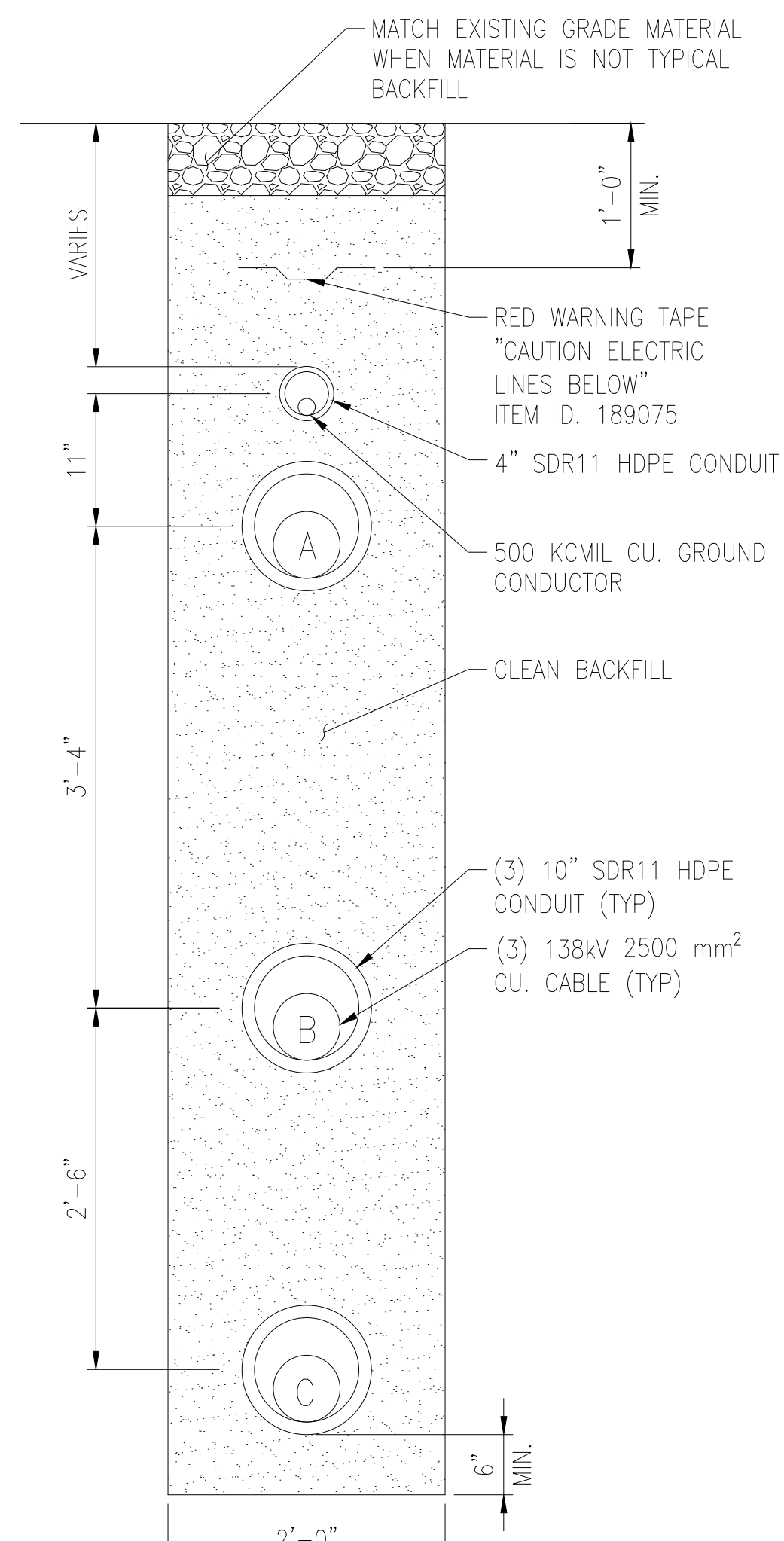
TYPICAL DIRECT BURIED CONDUITS IN TREFOIL CONFIGURATION

SECTION
NTS



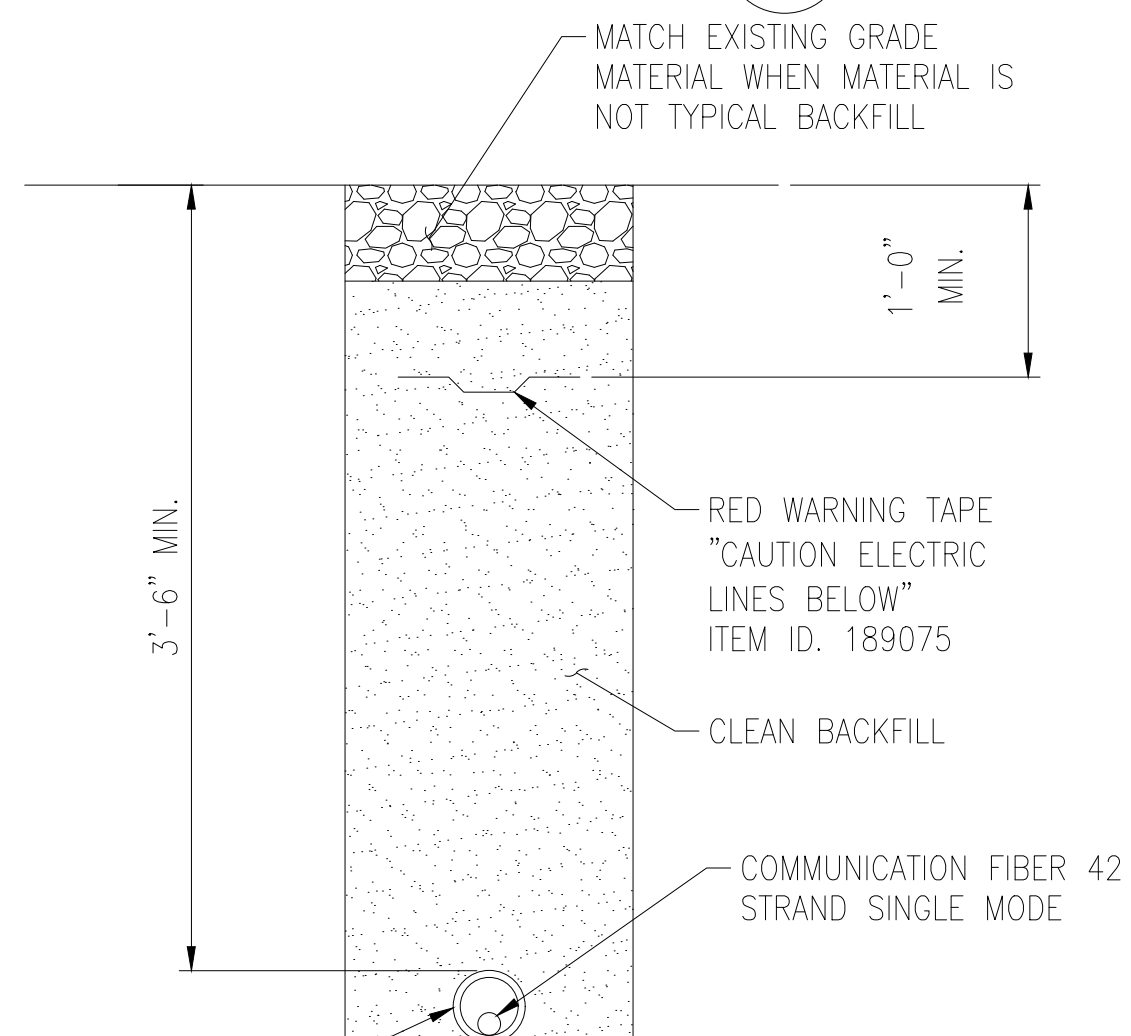
SINGLE PHASE WITH GROUND DIRECT BURIED CABLE

SECTION
NTS



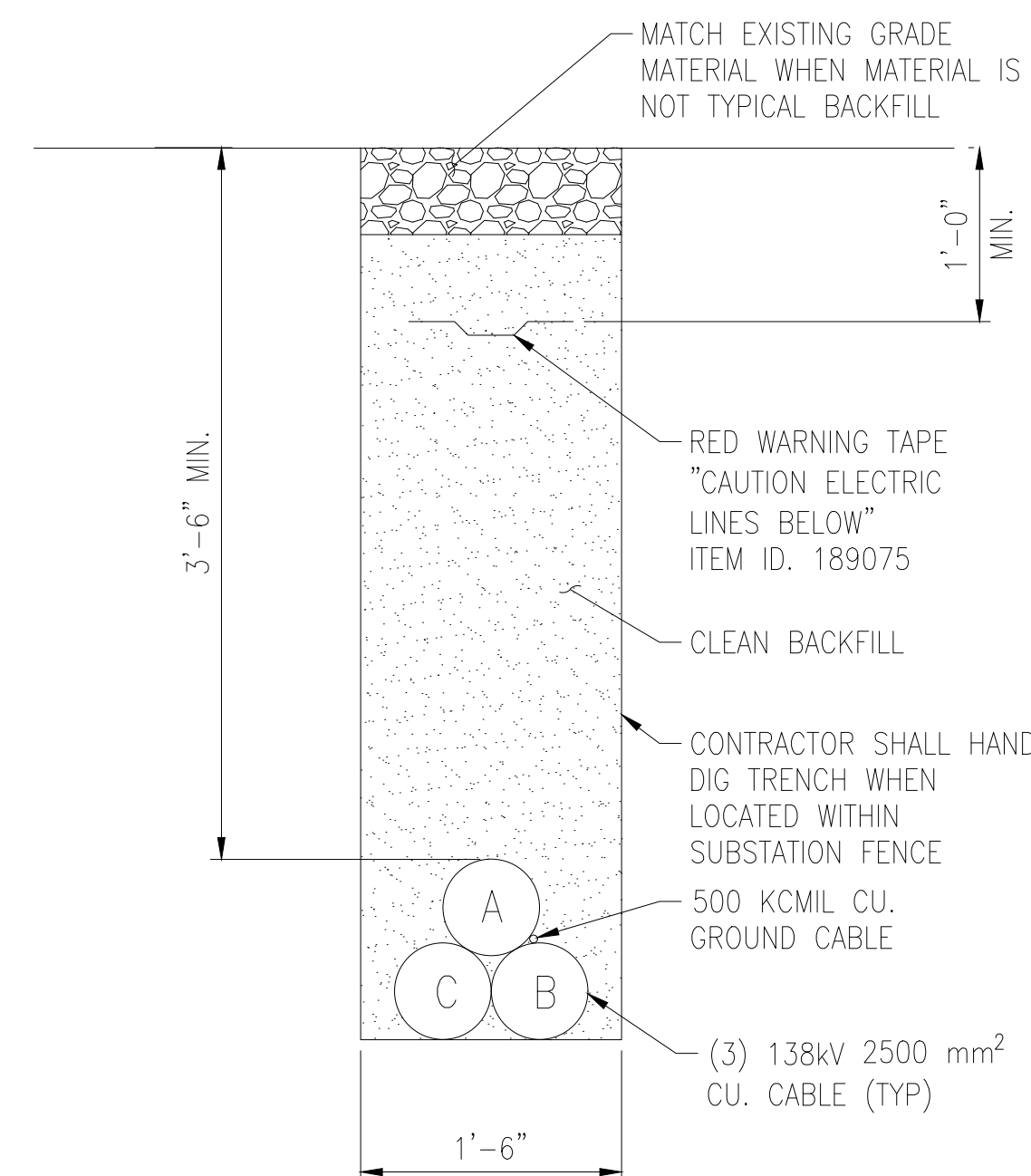
SPLICE VAULT ENTRY/EXIT

SECTION
NTS



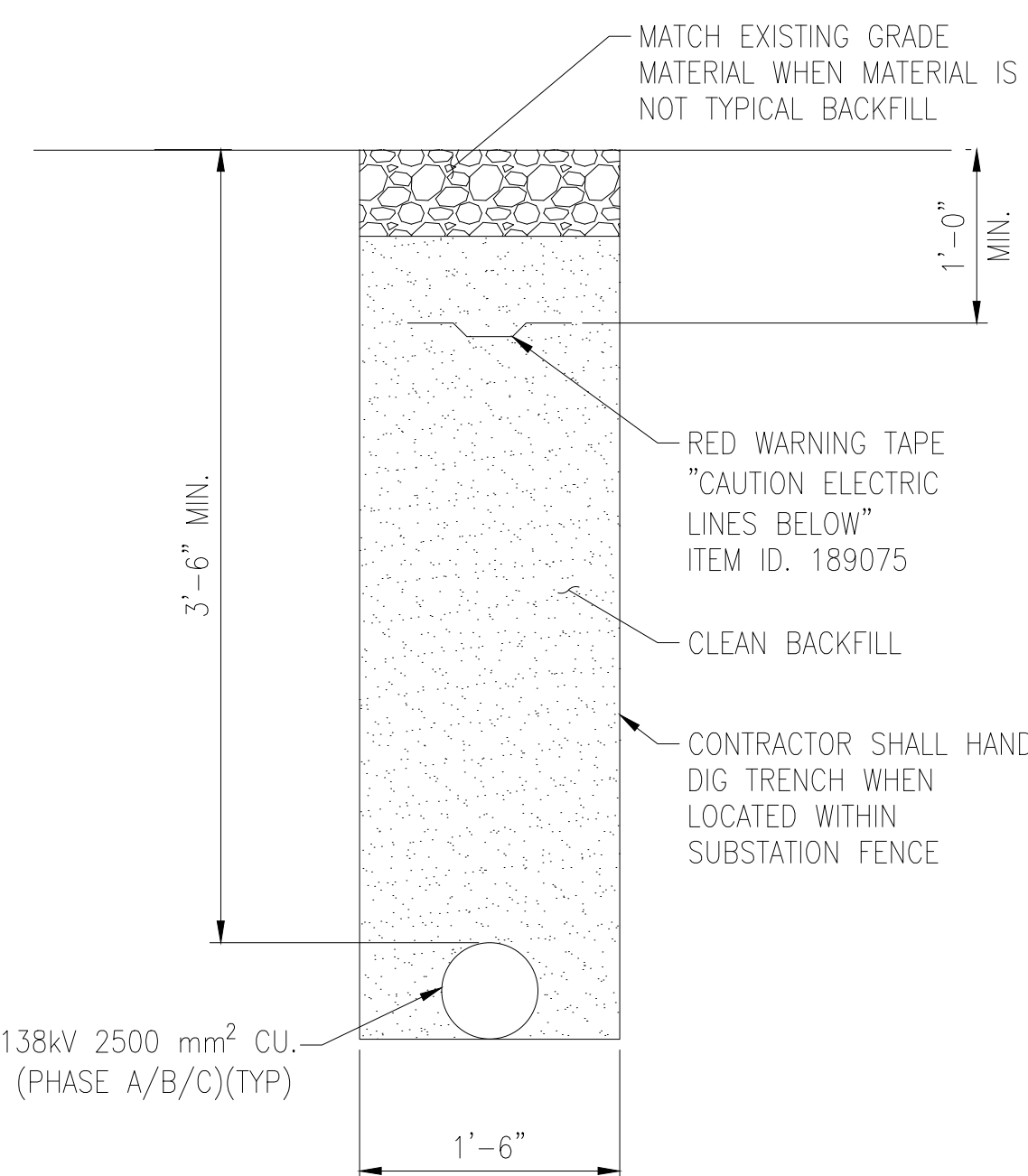
TYPICAL DIRECT BURIED
FIBER IN CONDUIT

SECTION
NTS



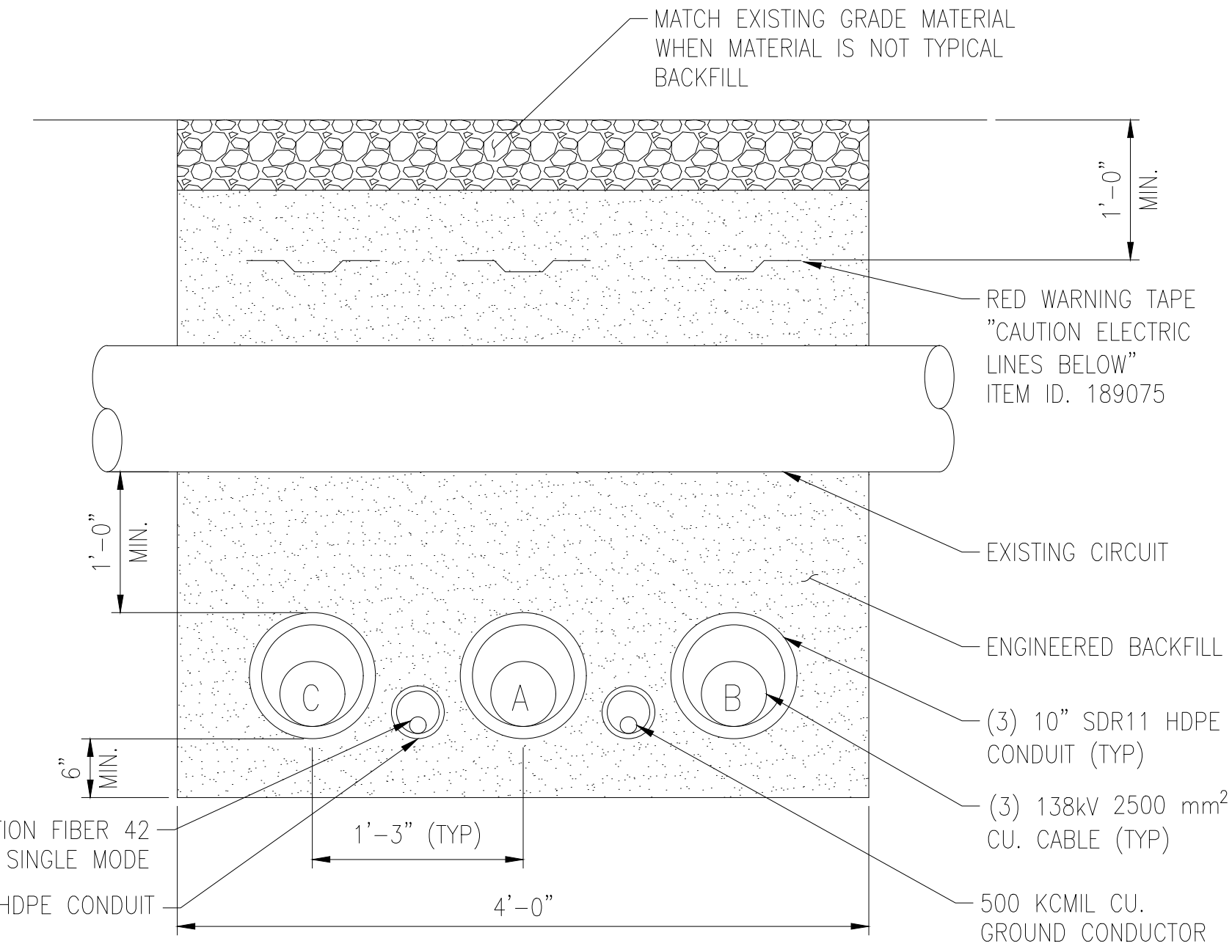
DIRECT-BURIED CABLE INSIDE SUBSTATION

SECTION
NTS



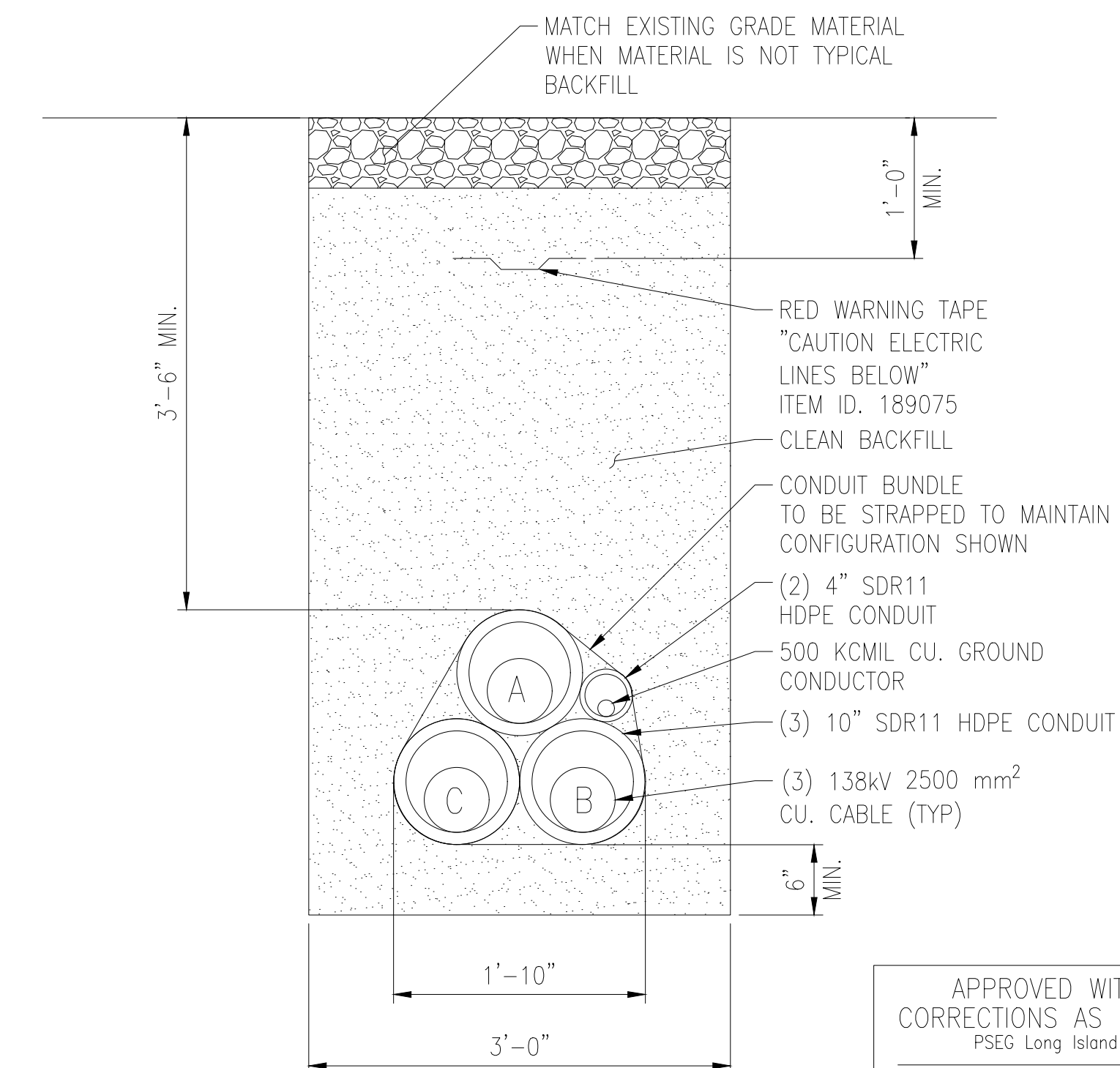
SINGLE PHASE DIRECT
BURIED CABLE

SECTION
NTS



DIRECT BURIED CONDUITS IN EXTENDED HORIZONTAL CONFIGURATION

NTS



TYPICAL DIRECT BURIED CONDUITS IN TREFOIL
CONFIGURATION WITHOUT COMMUNICATION

SECTION
NTS

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____
DATE: _____

NOTE:

1. IF MATERIAL IS FOUND TO BE CONTAMINATED IT IS TO BE PLACED INTO BINS FOR PSEG LONG ISLAND PERSONNEL TO REMOVE FROM AREA.

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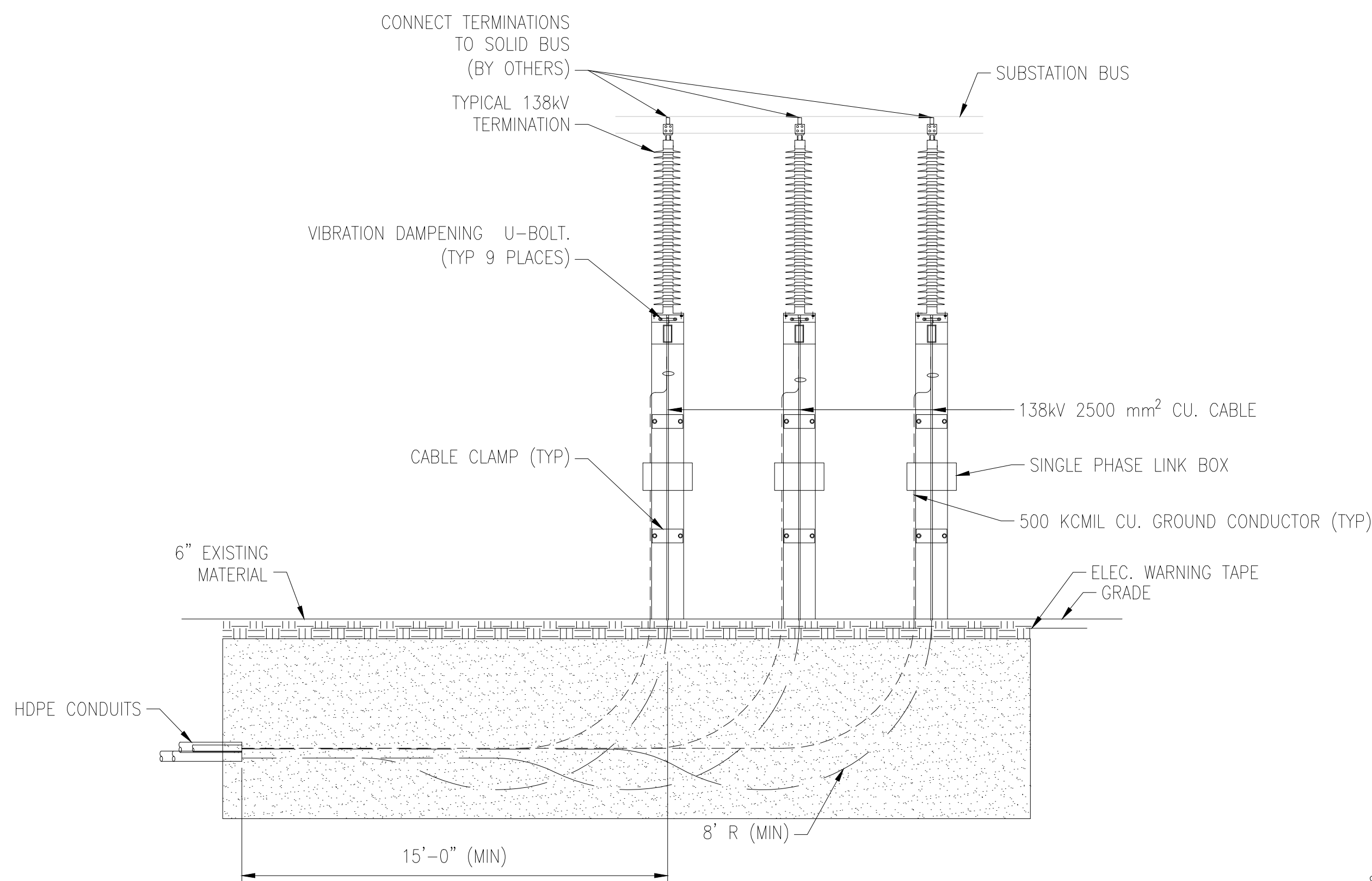
ISSUED FOR
PERMITTING

[illegible]

ISSUE									
	10/10/2024	1.99101	ORIGINAL ISSUE			JB	XX	N NOVELLO FZL	N NOVELLO FZL
NO.	DATE	W.O.	DESCRIPTION			DWIN BY	CKD BY	REVIEWED	APPD

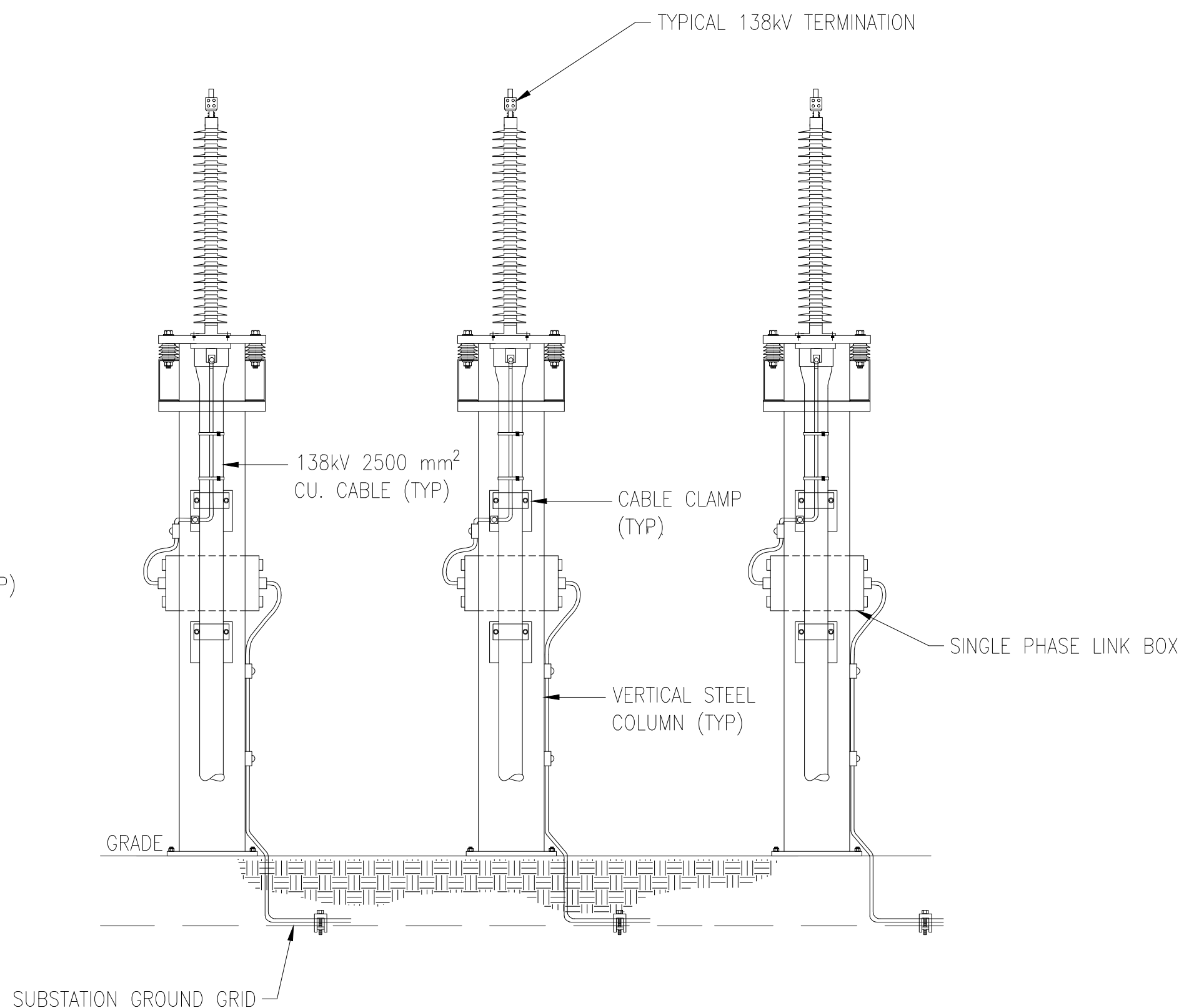
Long Island Power Authority TIANA – BUELL OPS BLDG 1 69KV TRANSMISSION LINE			
CONDUIT SYSTEM SECTIONS SOUTHAMPTON TO DEERFIELD 138KV OPERATED AT 69KV UNDERGROUND TRANSMISSION ENGINEERING			
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York			
SCALE ---		VENDOR (W/C NO.)	
DRAWING NO. F114028		SMART NO. RVF69-FU-01204	
		REVISION 0	

SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.
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SUBSTATION TERMINATION STRUCTURE WITH LINK BOX CONDUIT SWEEP

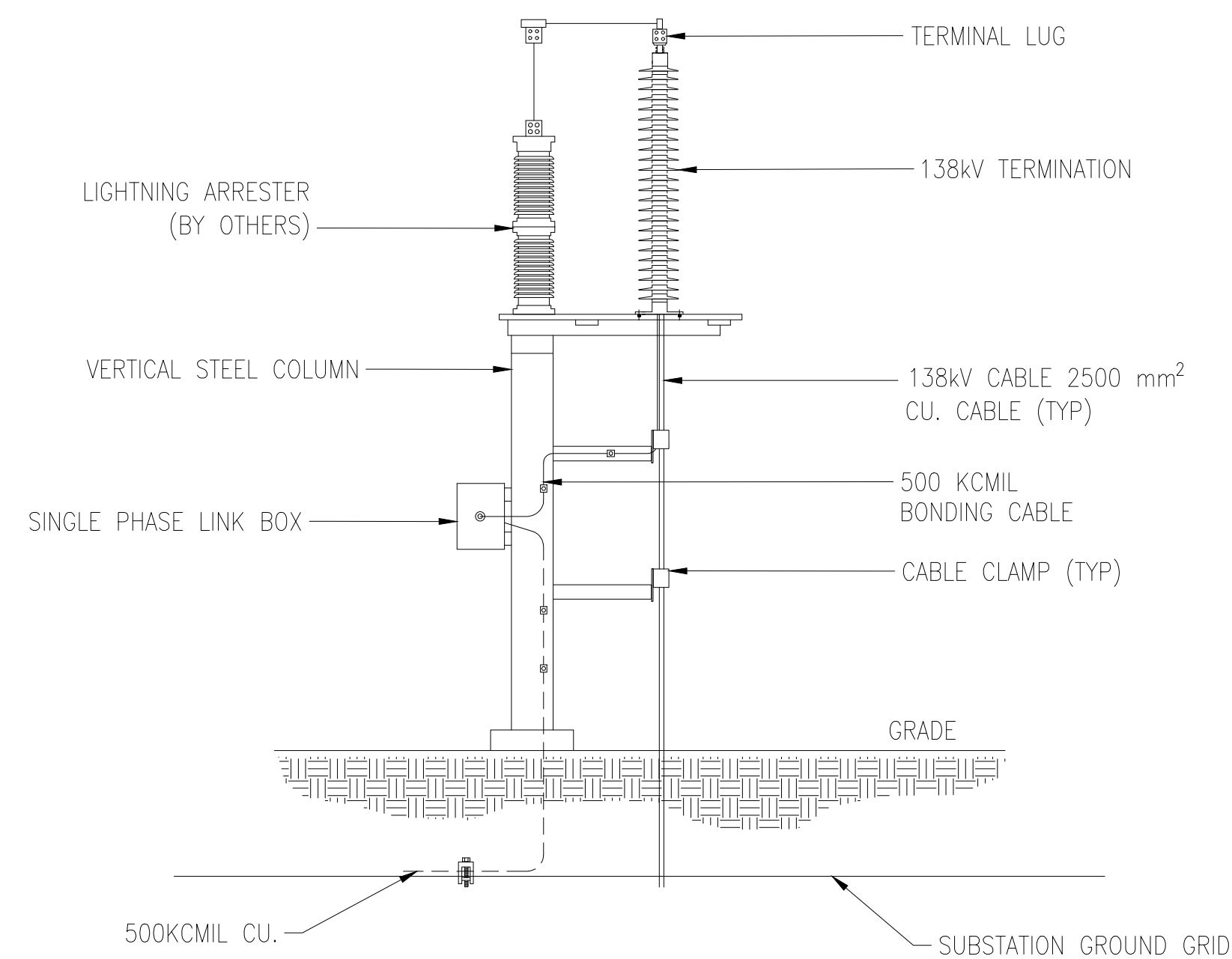
DETAIL
NTS



138kV TERMINATION STRUCTURE
WITH LINK BOX FRONT VIEW

DETAILS

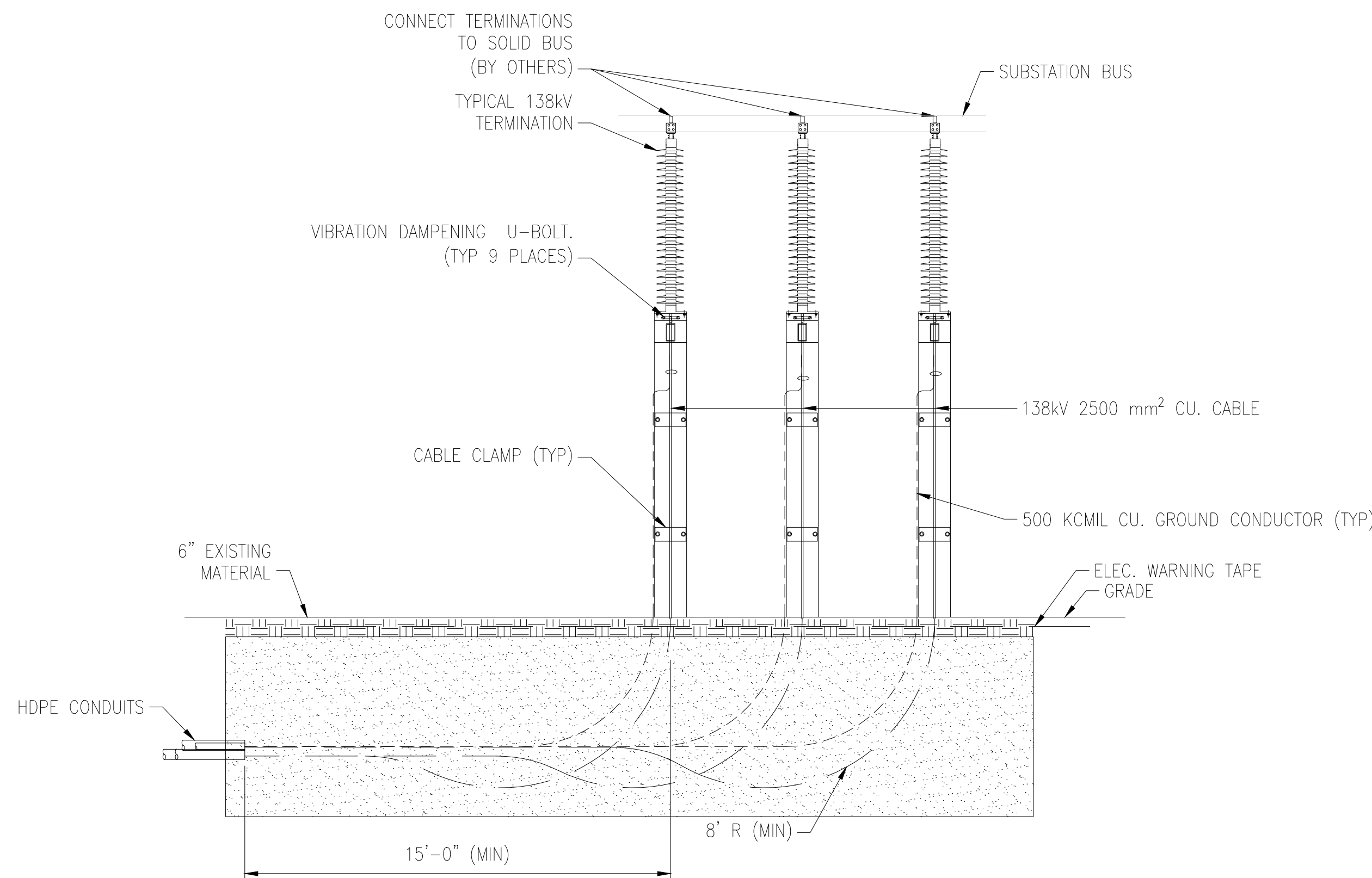
2



138kV TERMINATION STRUCTURE
WITH LINK BOX SIDE VIEW

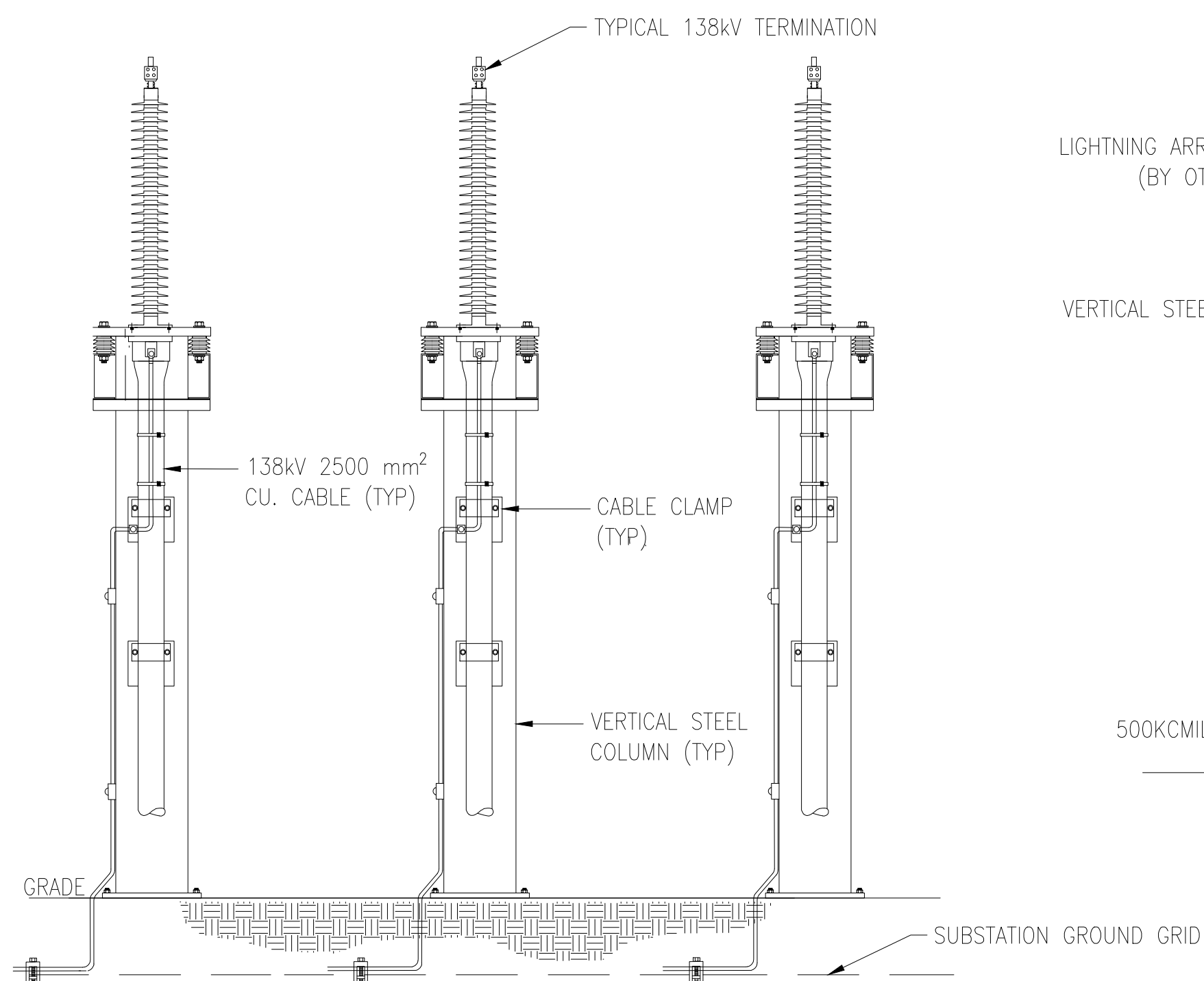
DETAILS

3



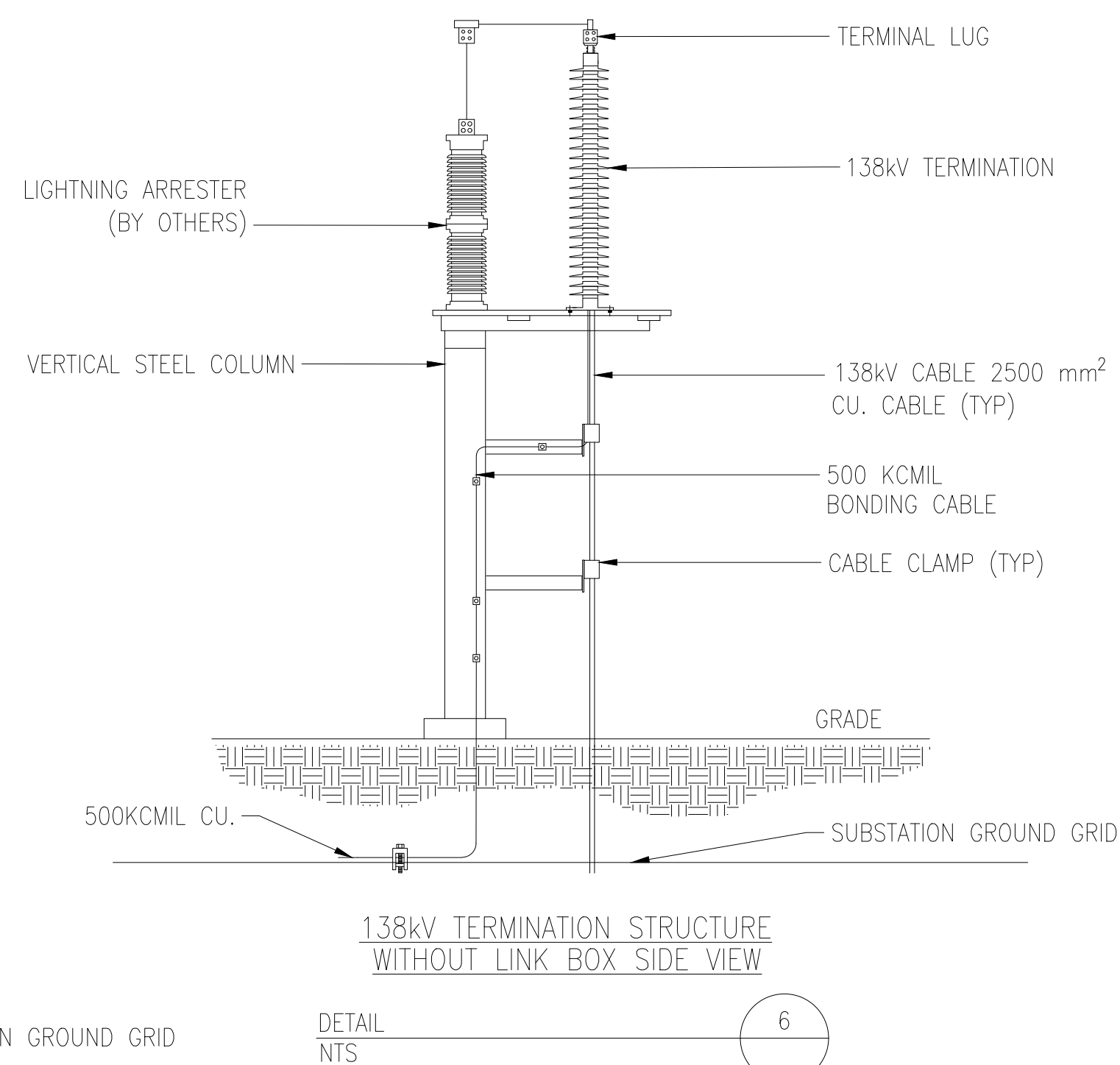
SUBSTATION TERMINATION STRUCTURE
WITHOUT LINK BOX CONDUIT SWEEP

DETAIL
NTS



138kV TERMINATION STRUCTURE
WITHOUT LINK BOX FRONT VIEW

DETA
NTS



138KV TERMINATION STRUCTURE
WITHOUT LINK BOX SIDE VIEW

DETAILS

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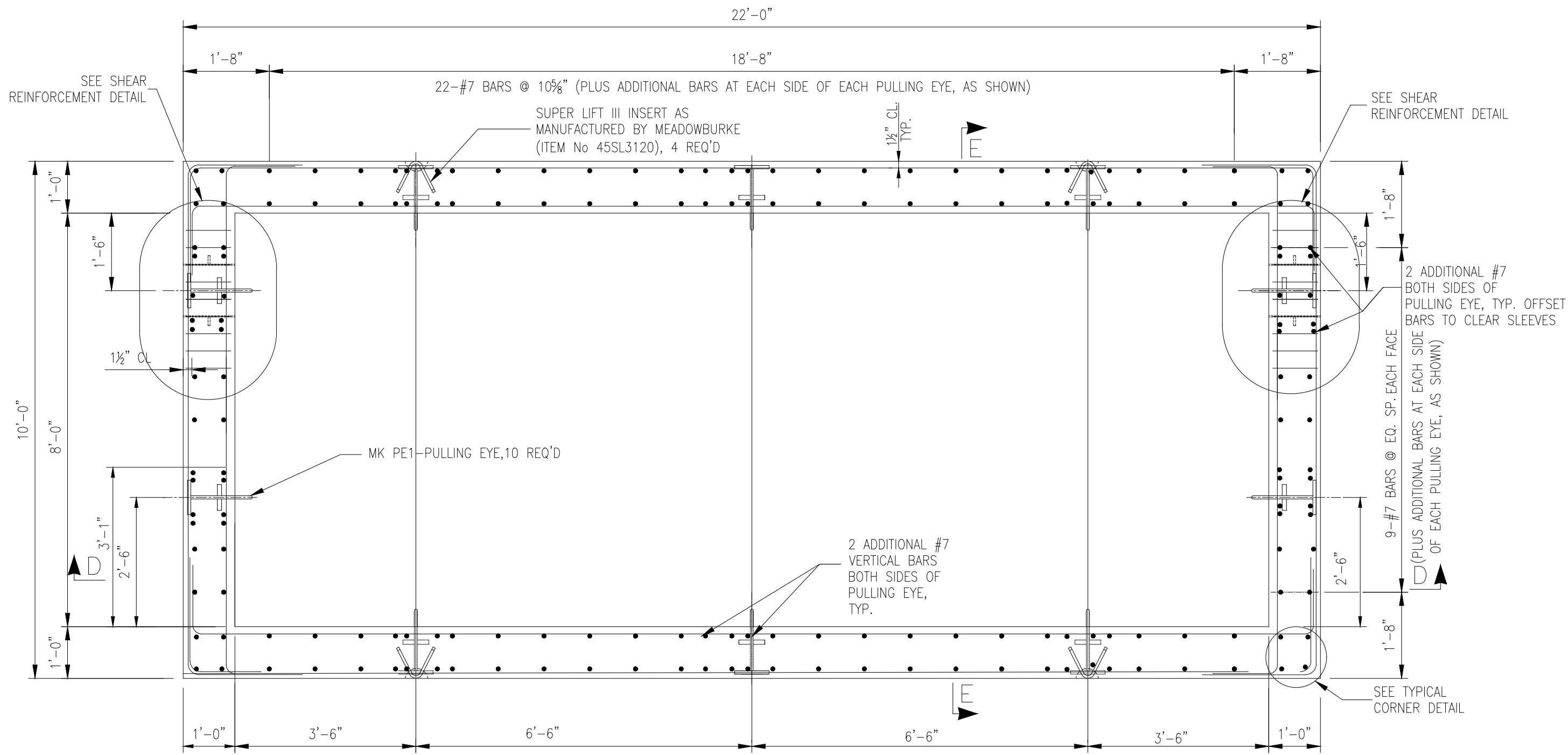
ISSUED FOR
PERMITTING

[illegible]

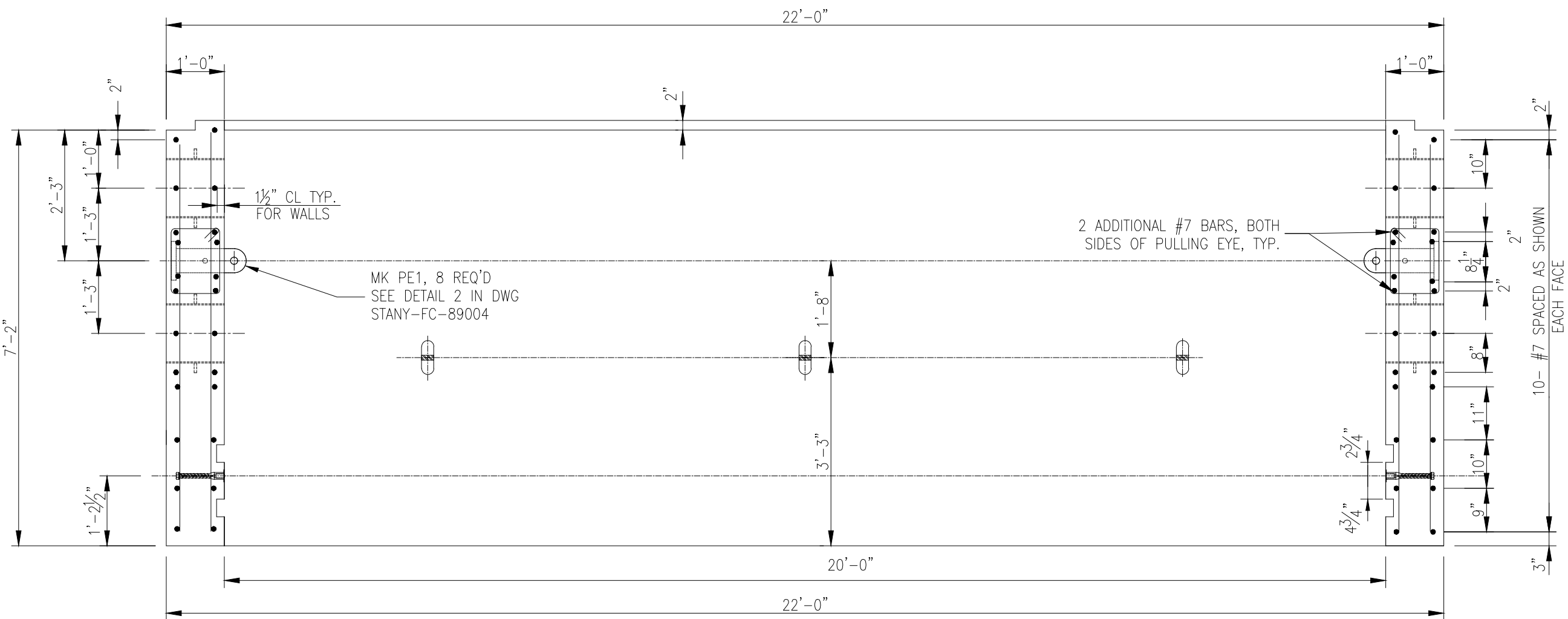
BURNS
MCDONNELL
Burns & McDonnell EGS, P.C.
PROJ. NO. 154527

ISSUE								
	10/03/2024	L39101	ORIGINAL ISSUE		JB	XX	N MODELLO F2	N MODELLO F2
NO.	DATE	W.O.	DESCRIPTION		DRAWN BY	CHKD BY	REVIEWED	APPRO

Long Island Power Authority TIANA - BUELL OPS BLDG 1 69KV TRANSMISSION LINE			
TERMINATION STRUCTURE DETAILS SOUTHAMPTON TO DEERFIELD 138KV OPERATED AT 69KV UNDERGROUND TRANSMISSION ENGINEERING			
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York			
SCALE ---		VENDOR DWG. NO.	
DRAWING NO. F114030	SMART NO. RVF69-FU-01206		REVISION 0
SYSTEM GRID NUMBER		CABINET NO.	FOLDER NO.

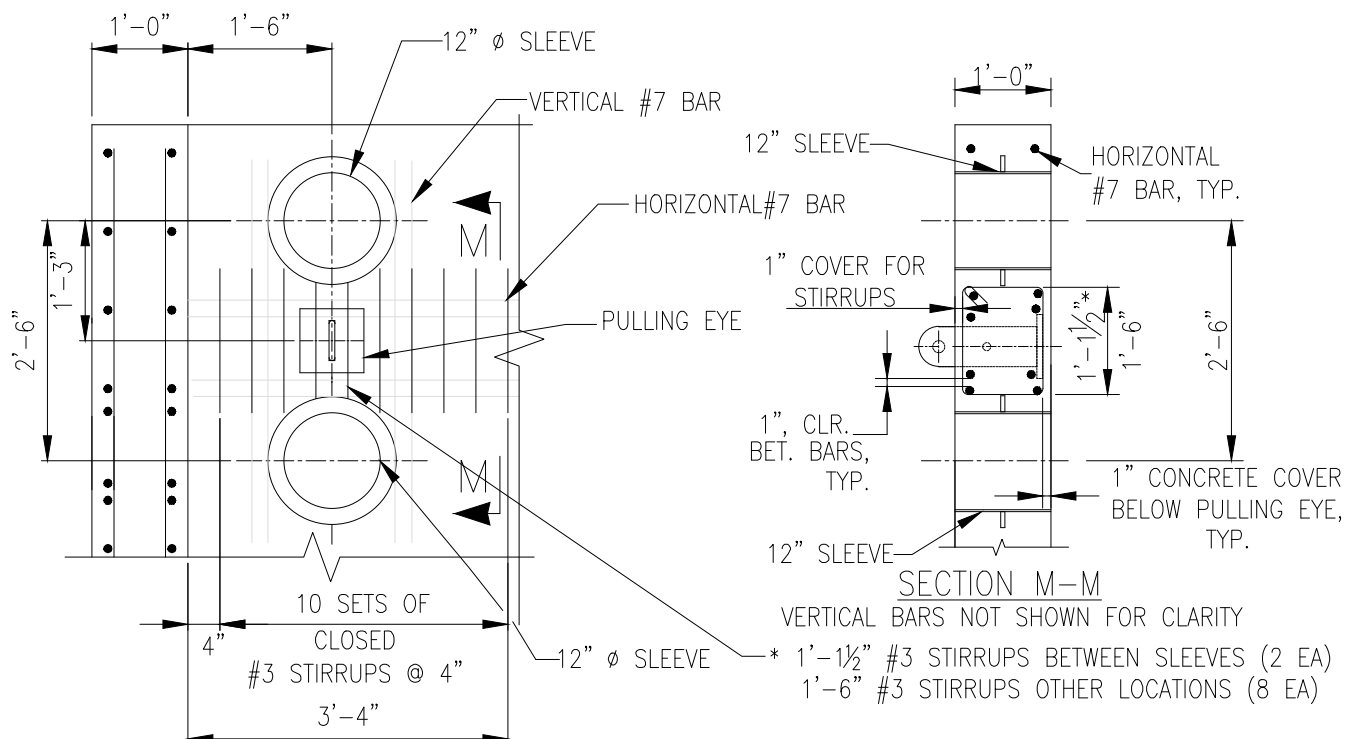


VAULT PLAN VIEW
(BOTTOM)



SECTION D-D

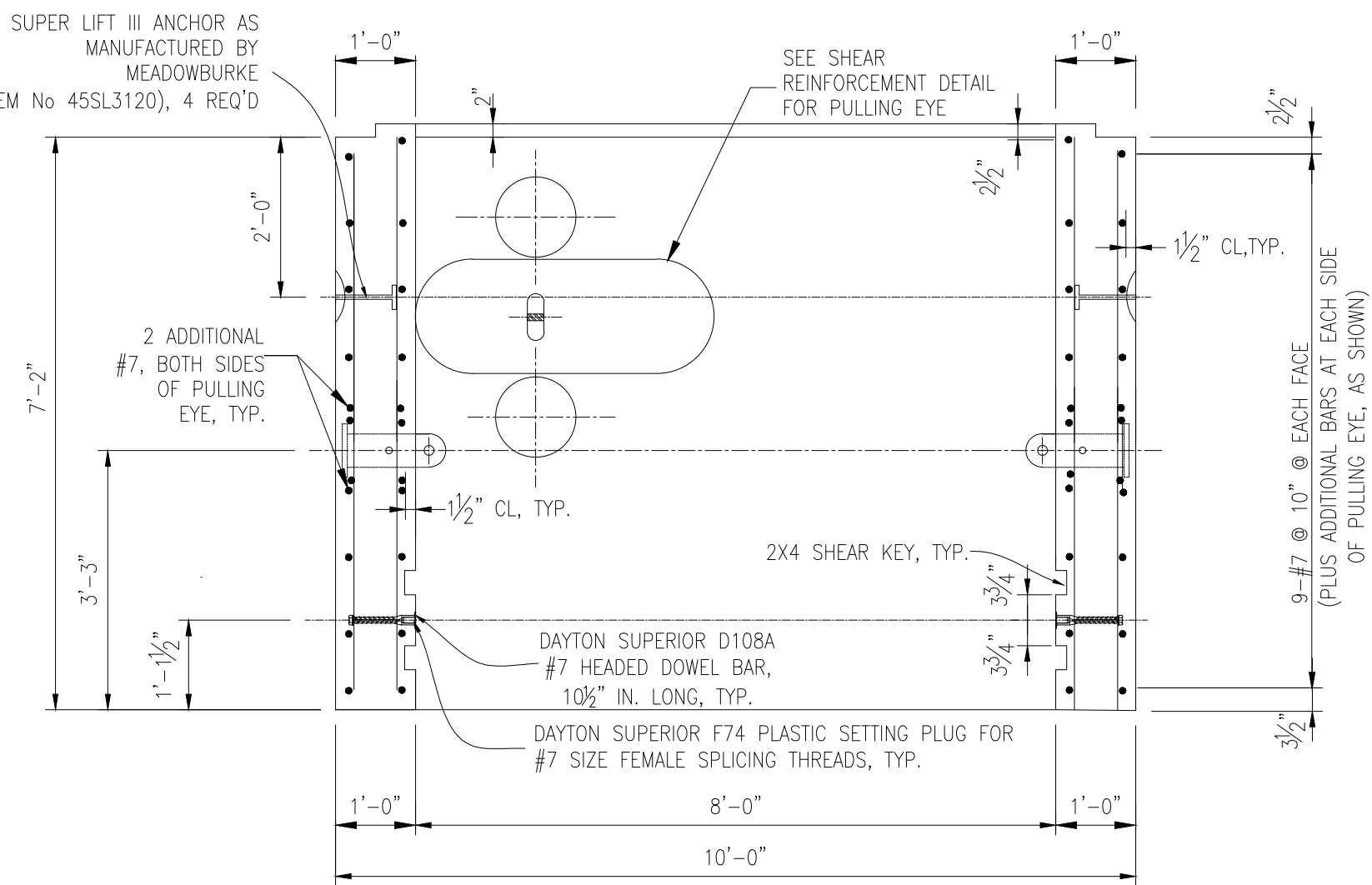
SEE PSEG DWG STANY-FC-89003 FOR SEALING OF JOINT BETWEEN VAULT TOP AND VAULT BOTTOM



SHEAR REINFORCEMENT DETAIL
REQUIRED FOR PULLING EYE BETWEEN
12" SLEEVES 2 LOCATIONS

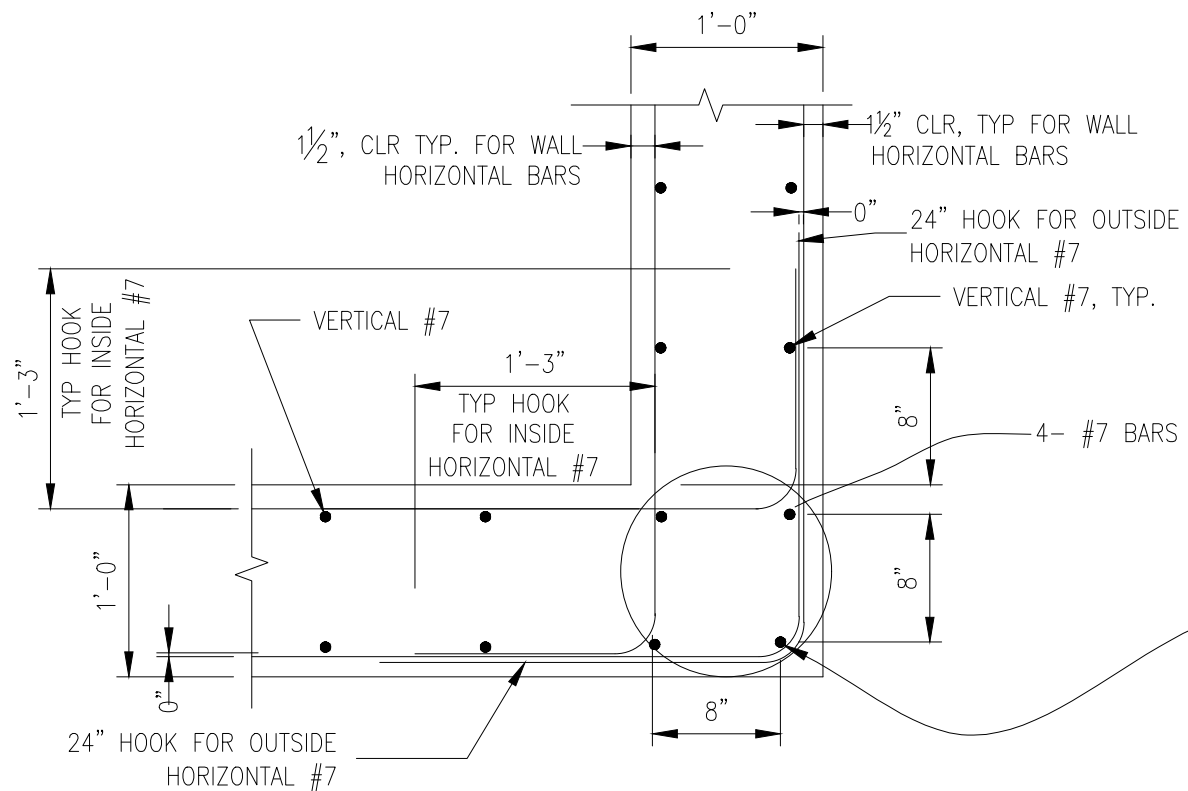
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ISSUED FOR
PERMITTING

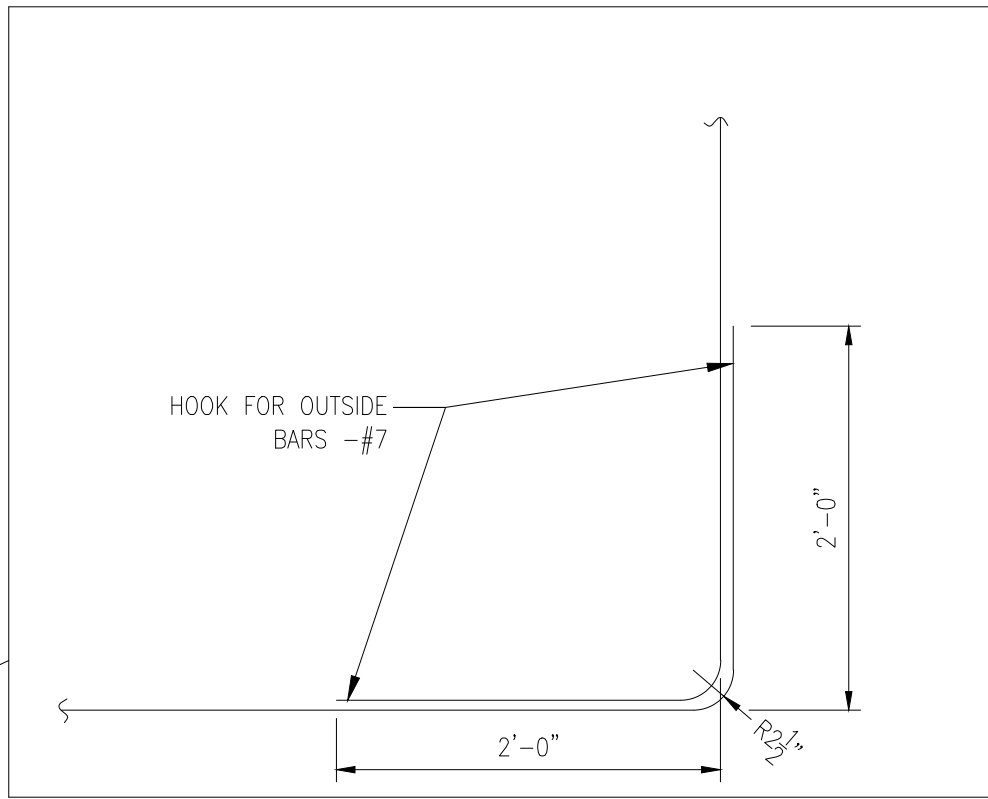


SECTION E-E

SEE DWG STANY-FC-89003 FOR SEALING DETAIL OF JOINT BETWEEN VAULT TOP AND VAULT BOTTOM



TYPICAL CORNER DETAIL



NOTES (MANUFACTURE)

1. VAULTS SHALL BE PRE CAST CONCRETE UNITS WITH ALL APPURTENANCES CAST IN PLACE DURING MANUFACTURING.
2. PIPE PENETRATION SLEEVE SIZES AND LINK SEAL MODEL NUMBERS SHALL BE IN ACCORD WITH SCHEDULE AS SHOWN ON DRAWING
3. THE MATERIALS USED IN THE MANUFACTURE OF THE VAULT SHALL BE PROVIDED BY THE CONTRACTOR AS FOLLOWS:

CONCRETE - HIGH EARLY STRENGTH DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 7 DAYS AS DETERMINED BY ASTM C-94.

MAXIMUM AGGREGATE SIZE - 3/4"

MAXIMUM W/C RATIO = 0.43

REINFORCING - ALL REBAR SHALL BE EPOXY COATED GRADE 60 BILLET STEEL IN ACCORDANCE WITH ASTM A-615.

ENTRAINED AIR CONTENT SHALL BE 5% TO 8%

LIFTING DEVICES FOR VAULT - MEADOWBURKE SUPER LIFT III INSERT (ITEM No 45SL3120) FOR VAULT TOP AND BOTTOM

PULLING EYES- SHALL BE GALVANIZED, SEE DETAIL ON DWG STAND-FC-08910 FOR FABRICATION. POSITION PULLING EYES AS SHOWN ON THIS DWG AND DWG STAND-FC-08909. PROVIDE SHEAR REINFORCEMENT FOR PULLING EYES LOCATED BETWEEN 12" SLEEVES AS SHOWN ON SECTION G-G
4. ALL EXTERIOR VAULT BOTTOM AND VAULT TOP SURFACES TO BE COATED WITH TWO COATS OF HEAVY UNIFORM APPLICATION OF BITUMASTIC COAL TAR EPOXY WATER PROOFING.
6. MANUFACTURER TO FIT TEST VAULT TOP AND BOTTOM PRIOR TO SHIPPING, SEE DETAIL 6 IN DWG STANY-FC-089004.
7. NO SPLICING OF REBARS IS ALLOWED
8. FABRICATOR SHALL PROVIDE 3/8" KEYWAY (SHEAR KEY) AND WATERSTOP ON TOP OF WALL IF ROOF AND WALLS FOR VAULT TOP HALF ARE NOT POURED SIMULTANEOUSLY. SEE SECTIONS A-A AND B-B IN DWG STANY-FC-89002

FIELD NOTES

1. VAULT INSTALLATIONS SHALL BE AS SHOWN AND LOCATED ON CABLE ROUTE PLAN DRAWING.
2. SEE DWG STANY-FC-89003 FOR FIELD INSTALLATION NOTES
3. SEE DWG STAND-CU

LIFTING NOTES

TO LIFT VAULT AND VAULT COVER CRANE OPERATOR SHALL WORK TO OBTAIN AN EQUAL LOADING ON ALL CABLES OR SLINGS BY USING A LIFTING BEAM, BLOCKS OR PULLEYS.

CRANE OPERATOR SHALL BE RESPONSIBLE FOR PROPER USE AND INSTALLATION OF CLUTCHES, SLINGS, SHACKLES, ETC REQUIRED TO PERFORM A SAFE LIFT.

APPROXIMATE WEIGHT:

CONCRETE VAULT BOTTOM = 72,000 LB
CONCRETE VAULT TOP = 55,000 LB

VAULT IS DESIGNED FOR HL-93 WHEEL LOADS.

WORK THIS DRAWING WITH PSEG DWG STANY-FC-89002, STANY-FC-89003, STANY-FC-89004 & STANY-FC-89005

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: _____

TEMP. DWG. NO. ---

Long Island Power Authority
TIANA - BUELL
OPS BLDG 1
69kV TRANSMISSION LINE

SPLICE VAULT FOR 2500MM2 CABLE 1 OF 5
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69kV
UNDERGROUND TRANSMISSION ENGINEERING

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

SCALE N.T.S. VENDOR DWG. NO. SMART NO. REVISION

DRAWING NO. F114522 STANY-FC-89001 000

SYSTEM GRID NUMBER CABINET NO. FOLDER NO.

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CHK BY	REVIEWED	APPD
0	10/03/2025		ISSUED FOR PERMITTING	JAS	LAF	DAG	
0	07/25/2023		ISSUED FOR CONSTRUCTION	JAS	LAF	DAG	
REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR		

BURNS
McDONNELL

Burns & McDonnell EGS, P.C.

PROJ. NO. 154527

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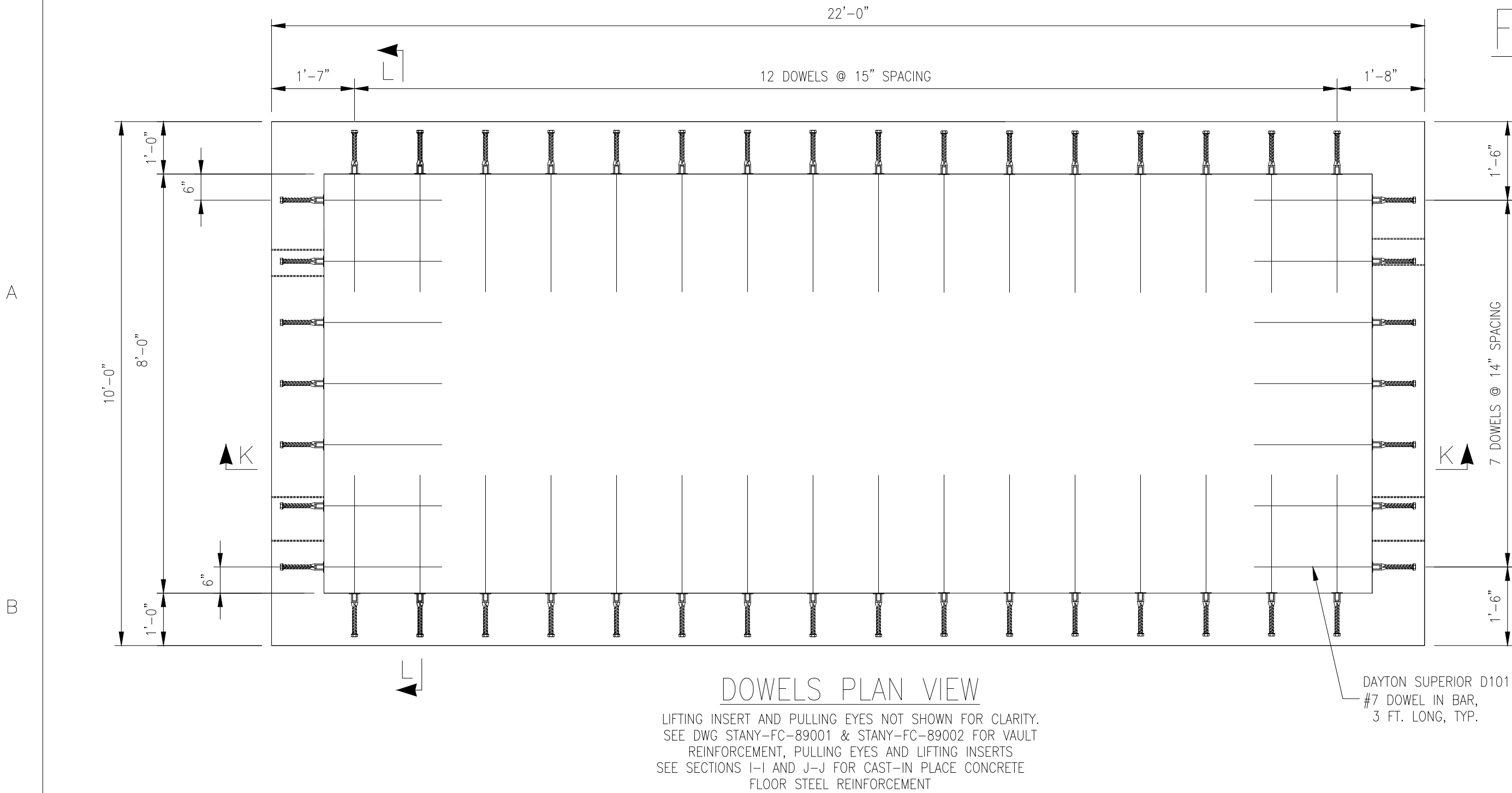
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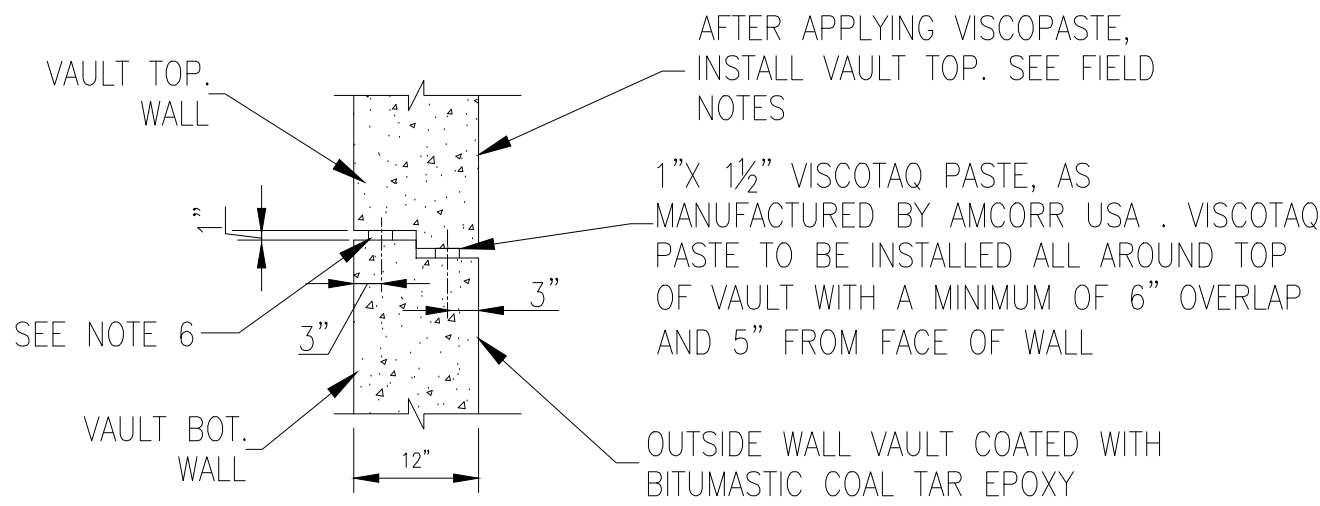
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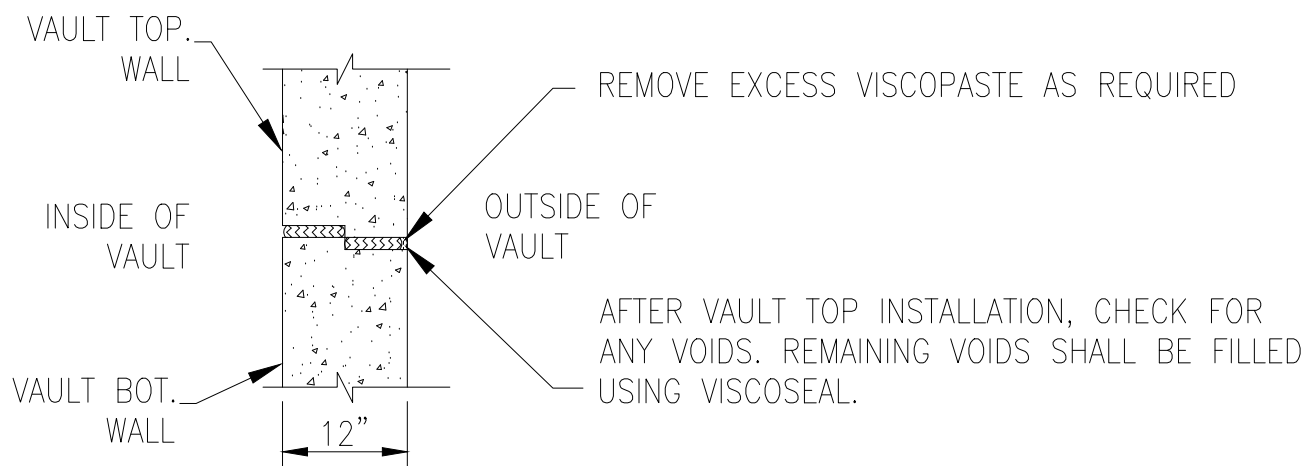


LIFTING INSERT AND PULLING EYES NOT SHOWN FOR CLARITY. SEE DWG STANY-FC-89001 & STANY-FC-89002 FOR VAULT REINFORCEMENT, PULLING EYES AND LIFTING INSERTS. SEE SECTIONS I-I AND J-J FOR CAST-IN PLACE CONCRETE FLOOR STEEL REINFORCEMENT

FIELD INSTALLATION DETAILS (BOTTOM HALF)



(BEFORE VAULT TOP INSTALLATION)



(AFTER VAULT TOP INSTALLATION)

TYPICAL JOINT SEALANT DETAIL

NOTES (MANUFACTURE)

1. SEE DWG STANFY-FC-89001 FOR MANUFACTURE NOTES

FIELD NOTES

1. A 6" THICK LAYER OF ¾" CRUSHED STONE SHALL BE PROVIDED AS SUBBASE FOR CAST IN PLACE VAULT FLOOR.

2. VISCOPASTE SHALL BE UTILIZED TO SEAL THE JOINTS BETWEEN THE TOP HALF AND BOTTOM HALF OF THE VAULT SEE SEALANT DETAIL IN THIS DRAWING.

3. APPLY VISCOTAQ EZ PASTE AS SHOWN ON THE DETAILS. MINIMUM OVERLAP FOR EZ PASTE IS 2".

4. CLEAN EXCESS VISCOTAQ EZ PASTE. CHECK FOR ANY VOIDS IN JOINT AND IF NEEDED FILL VOIDS BY USING VICOTAQ VISCOSSEAL.

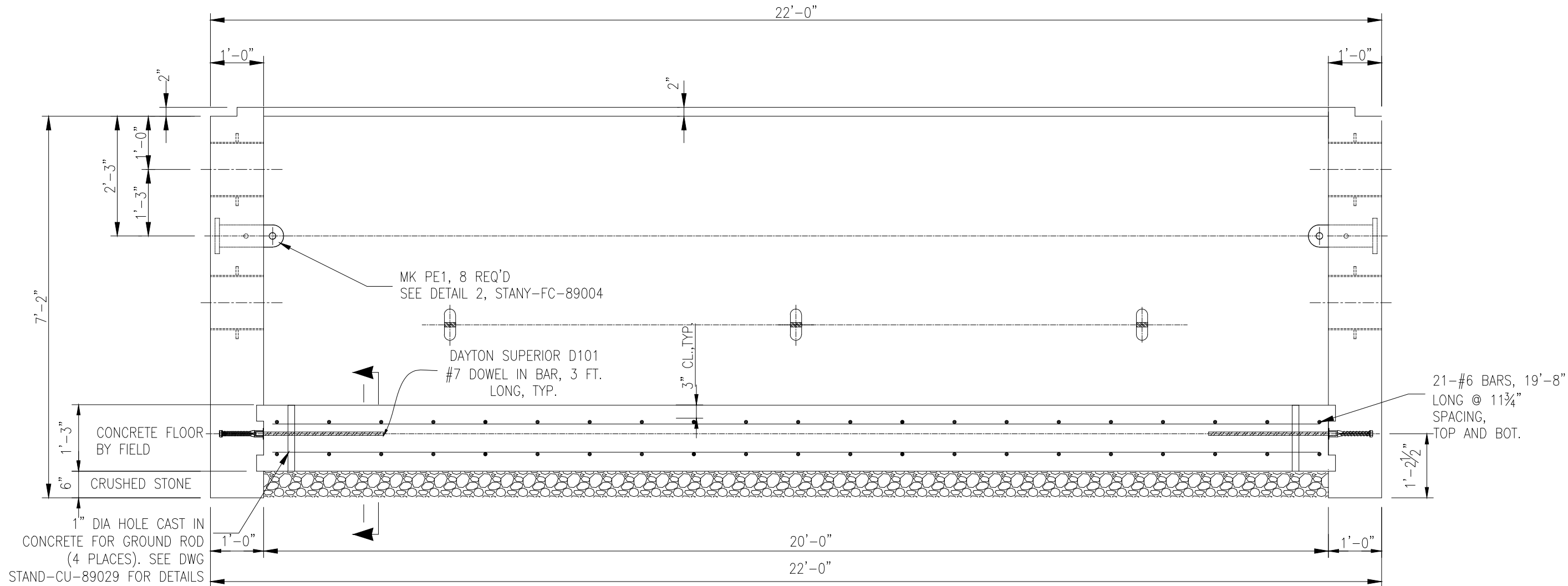
5. REMOVE PLASTIC CAPS PROTECTING THE DOWEL INSERTS AND INSTALL THE PROVIDED #7 DOWEL IN BARS

6. CAST IN PLACE CONCRETE FLOOR SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 14 DAYS PRIOR TO EQUIPMENT INSTALLATION

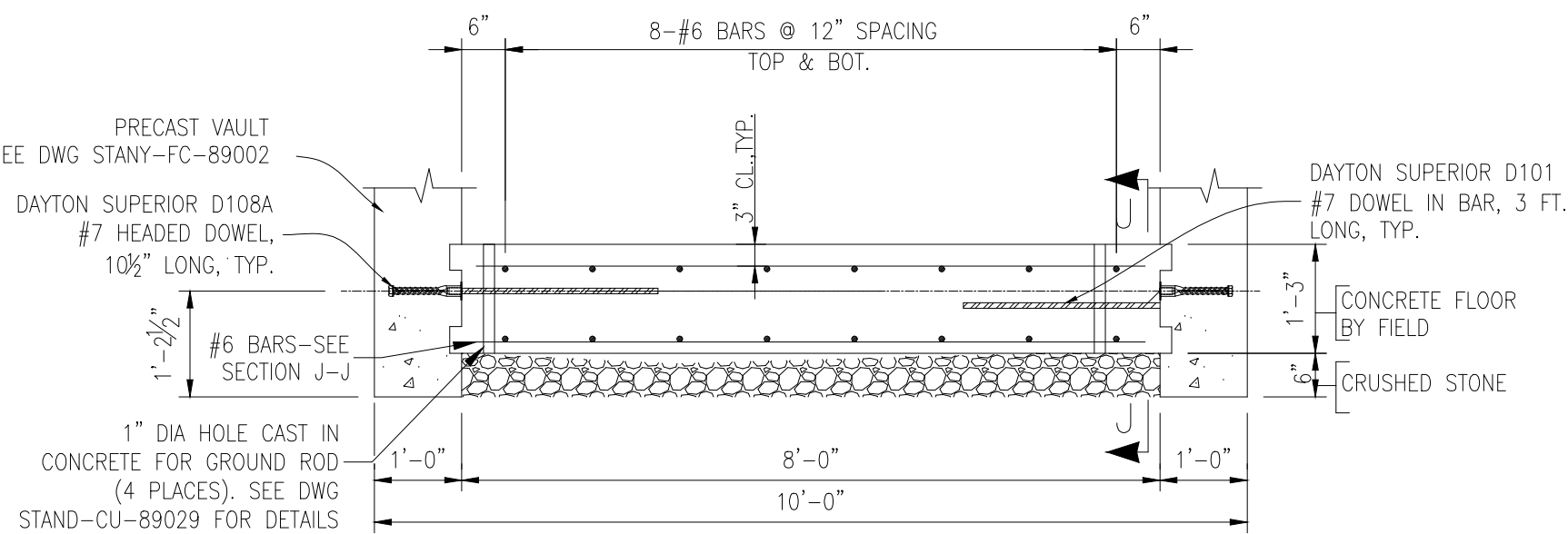
7. FOR MORE INFORMATION ON VISCOTAQ INSTALLATION REFER TO VISCOTAQ INSTRUCTIONS MANUAL AND/OR CALL (877)-856-3710

8. REFER TO DWG STAND-CU-89029 FOR GROUND ROD REQUIREMENTS, DETAILS AND NOTES FOR INSTALLATION.

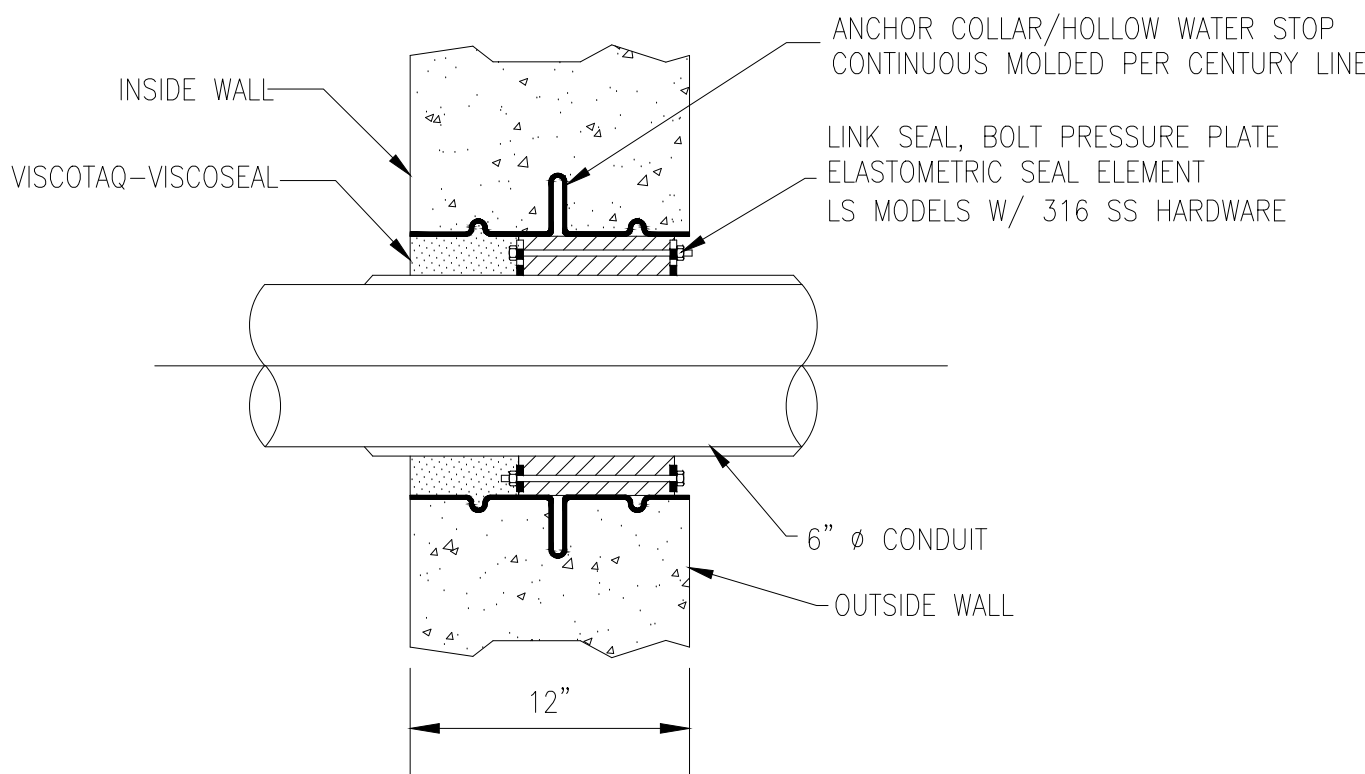
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER USE OF PULLING EYES FOR PULLING CABLE. SEE DETAIL 6 IN DWG STANY-FC-89004 FOR WORKING LOAD LIMIT FOR PULLING EYES. CONTRACTOR SHALL ENGAGE MULTIPLE PULLING EYES TO MEET APPLICABLE TENSION LOADS FOR CABLES.



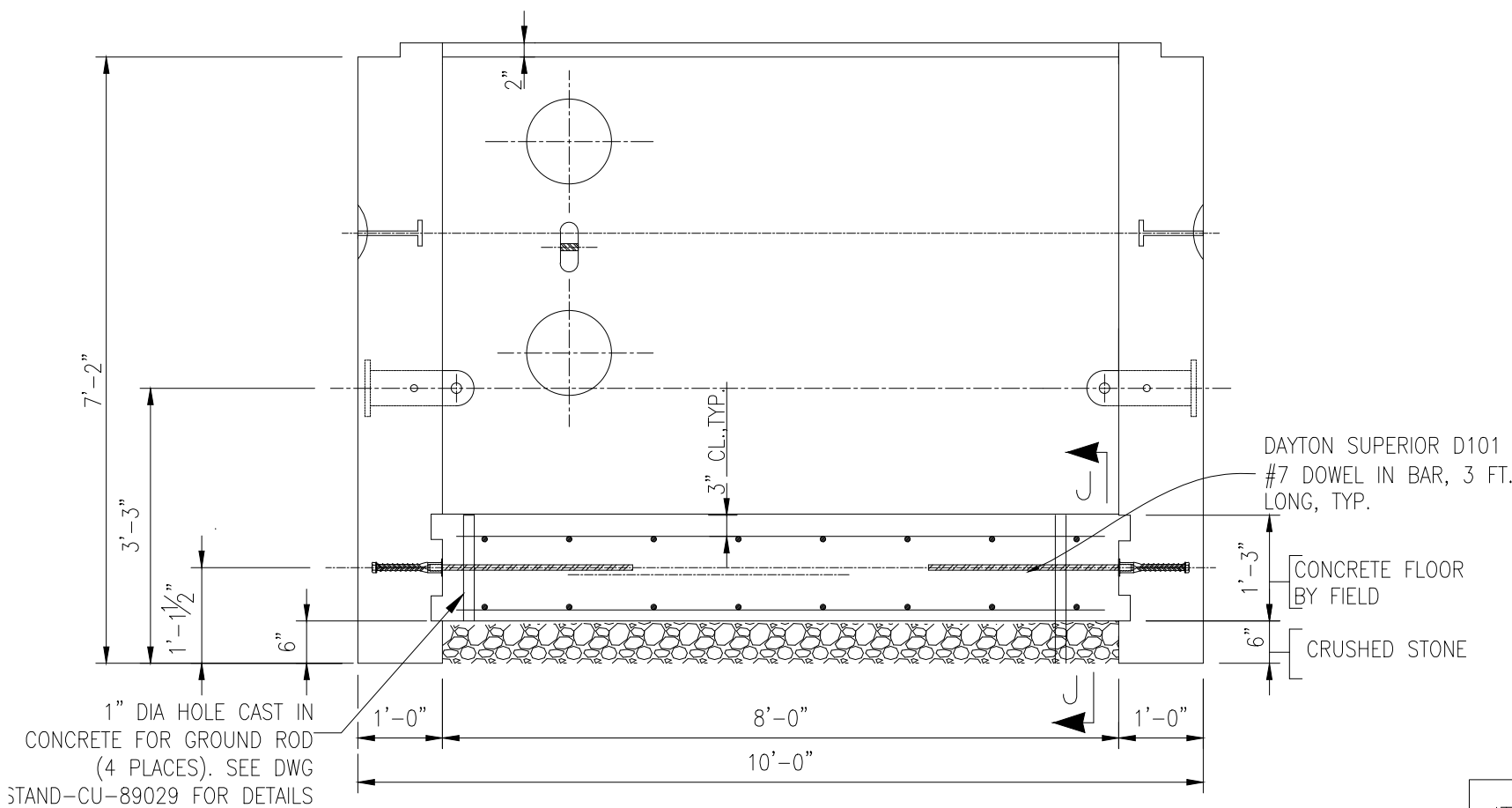
SECTION K-K



SECTION I-I

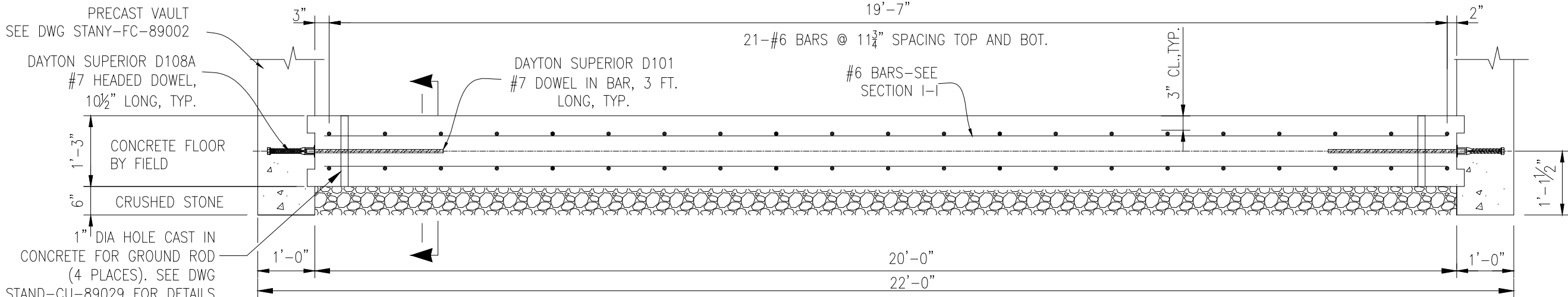


VAULT PENETRATION SEALING DETAIL



SECTION L-L

SEE VAULT FLOOR SEALANT DETAIL FOR JOINT BETWEEN VAULT AND FLOOR SLAB



SECTION J-J

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.

ISSUED FOR PERMITTING

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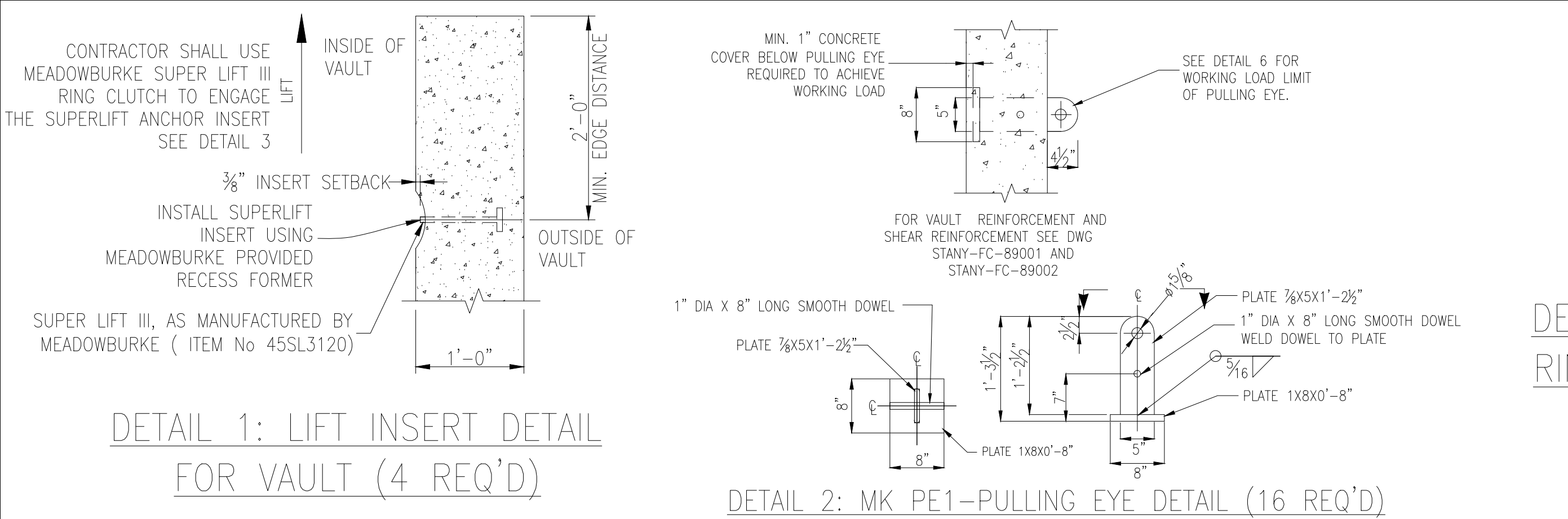
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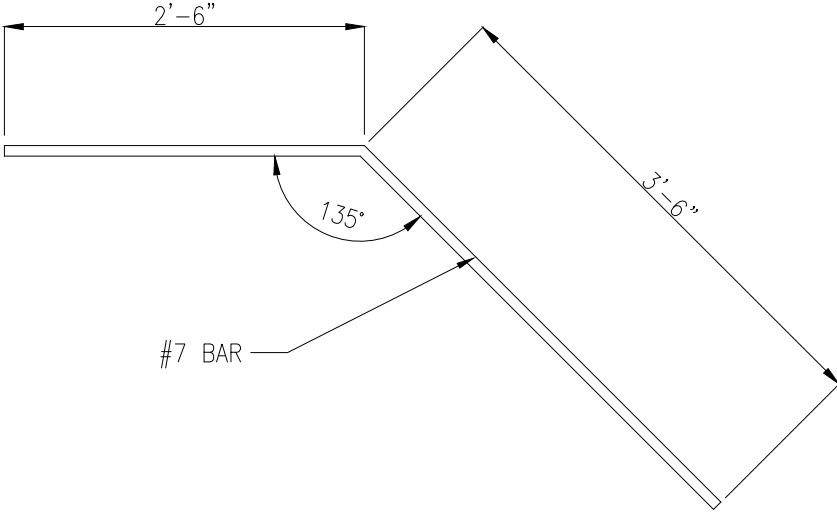


DETAIL 3: SUPER LIFT III RING CLUTCH (4 REQ'D)

BY OTHERS

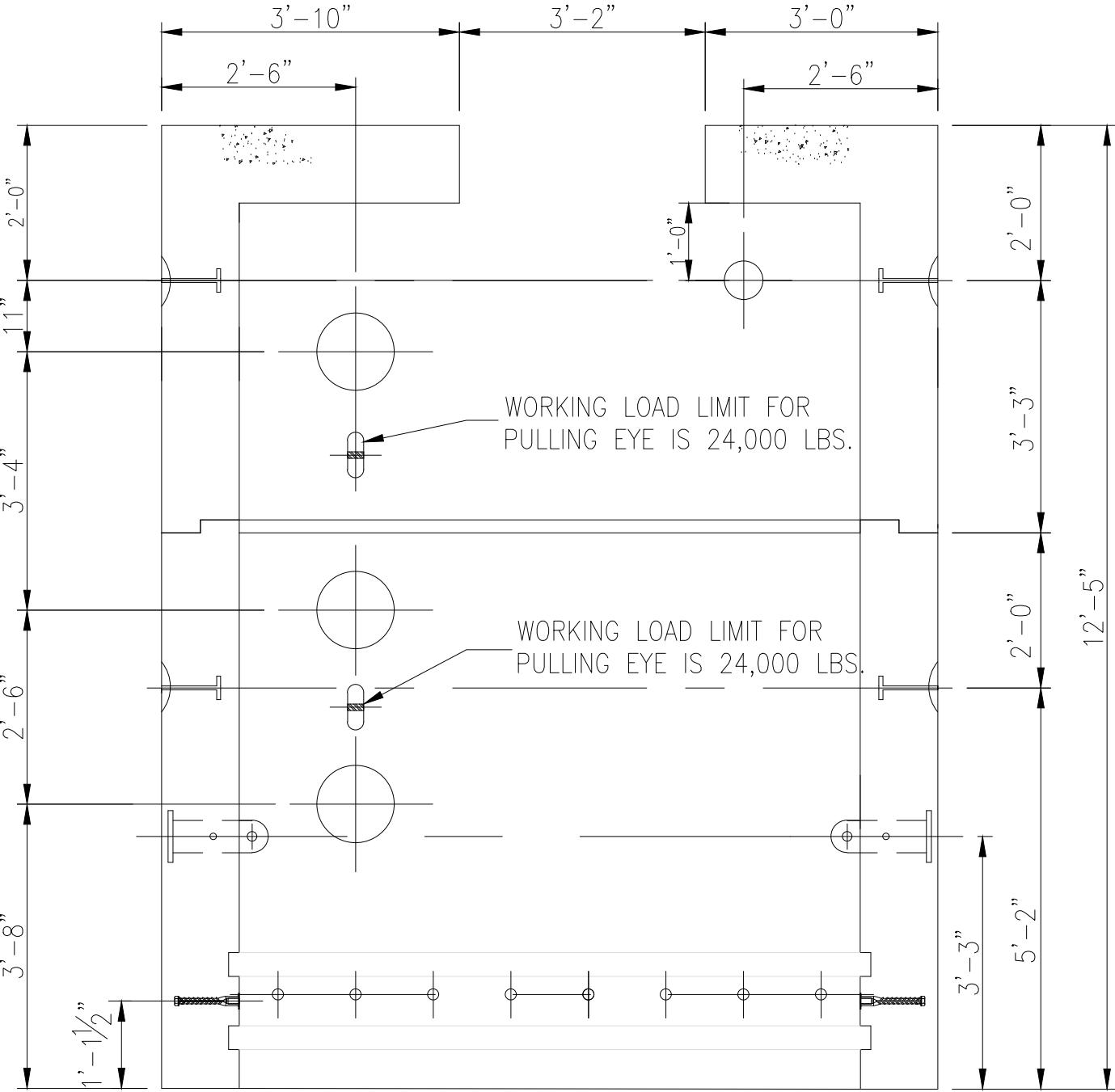
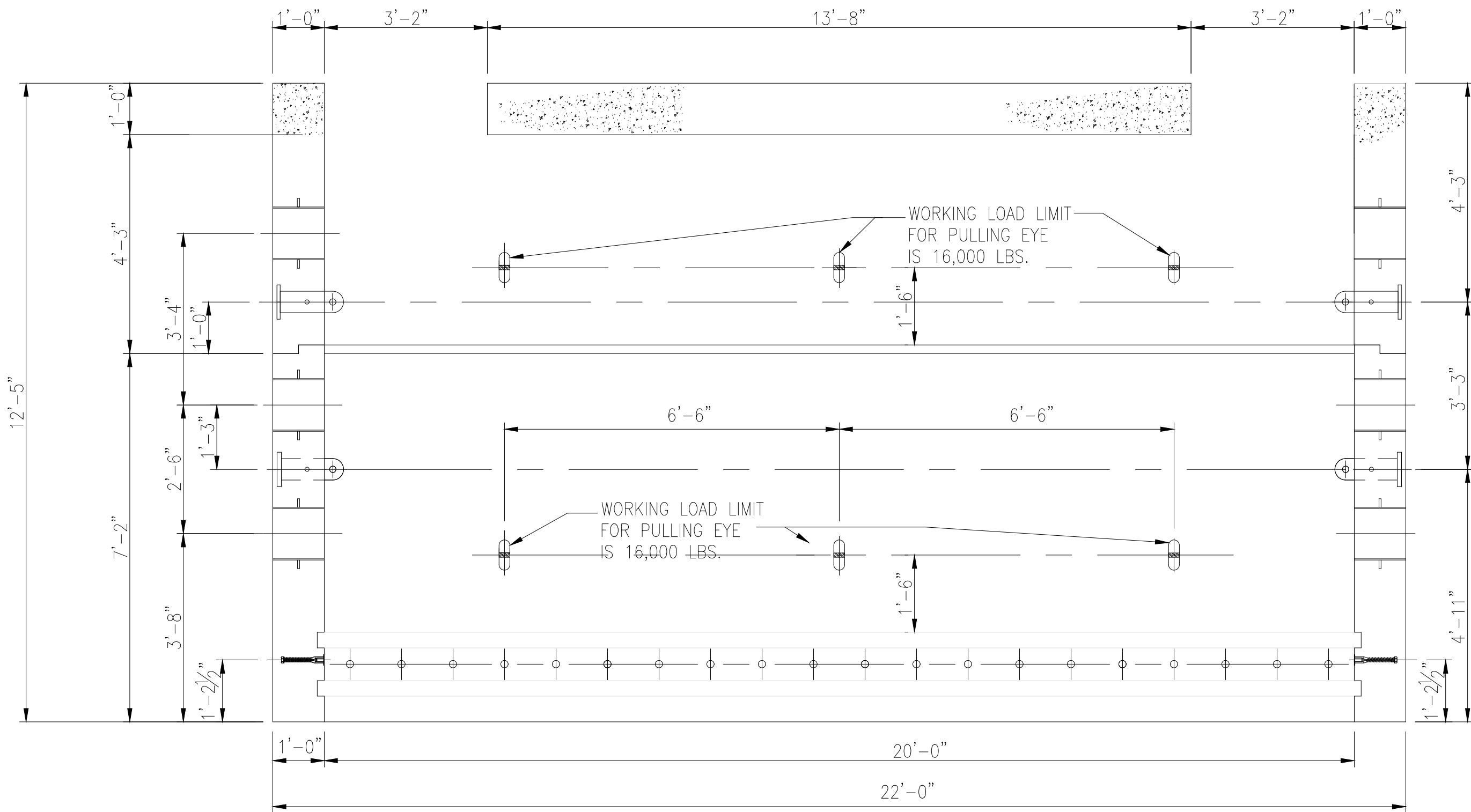
12" DIA. SLEEVE FOR 10" DIA. CONDUIT & 6" DIA. SLEEVE FOR 4" CONDUIT				
NOMINAL PIPE SIZE	PIPE O.D. (IN)	RECOMMENDED SIZE USING APS PLASTIC WALL SLEEVE		
		PLASTIC WALL SLEEVE	LINK-SEAL SIZE	LINKS PER SEAL
IPS-IRON PIPE SIZE, PLASTICPIPE SIZE, API PIPE SIZE, ELECTRICAL CONDUIT SIZE, OR ANY PIPE WITH SAME O.D.				
10	10.75	CS-12-12	LS-300-S	24
6	4.45	CS-4-12	LS-300-S	11

S = STAINLESS STEEL HARDWARE
12 = 12" LENGTH WALL SLEEVE (REQUIRED)



DETAIL 4: CORNER REBAR FOR MANHOLE OPENING (16 REQ'D)

DETAIL 5: DOWEL SYSTEM



DETAIL 6: VAULT TO BE FIT TESTED PRIOR TO SHIPPING

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ISSUED FOR PERMITTING

CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER USE OF PULLING EYES. CONTRACTOR SHALL ENGAGE MULTIPLE PULLING EYES TO PULL CABLES WITH TENSION LOADS EXCEEDING THE WORKING LOAD LIMIT OF ONE PULLING EYE.

WORK THIS DWG WITH PSEG-LI DWG STANY-FC-89001, STANY-FC-89002 & STANY-FC-89003 & STANY-FC-89005

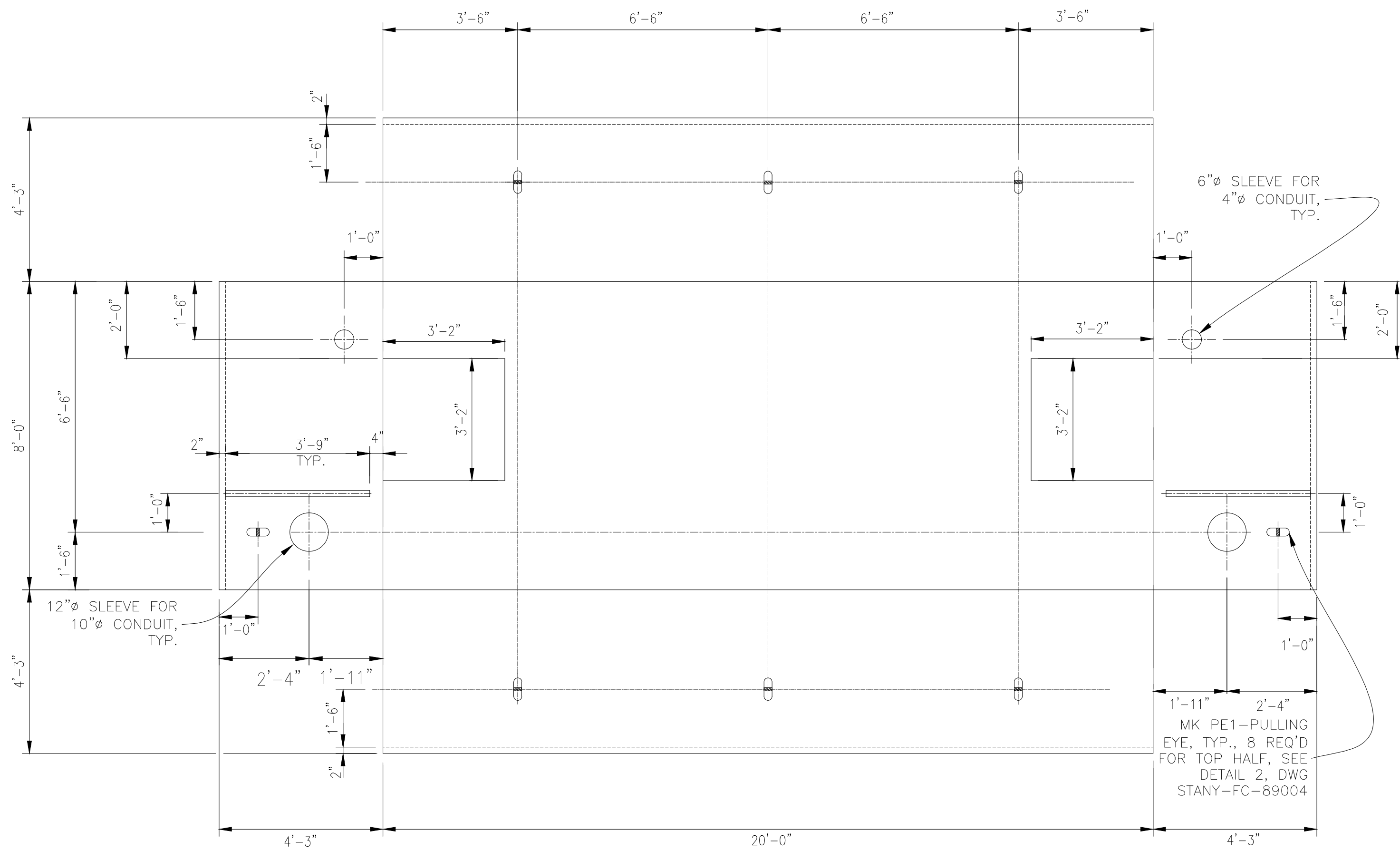
APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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

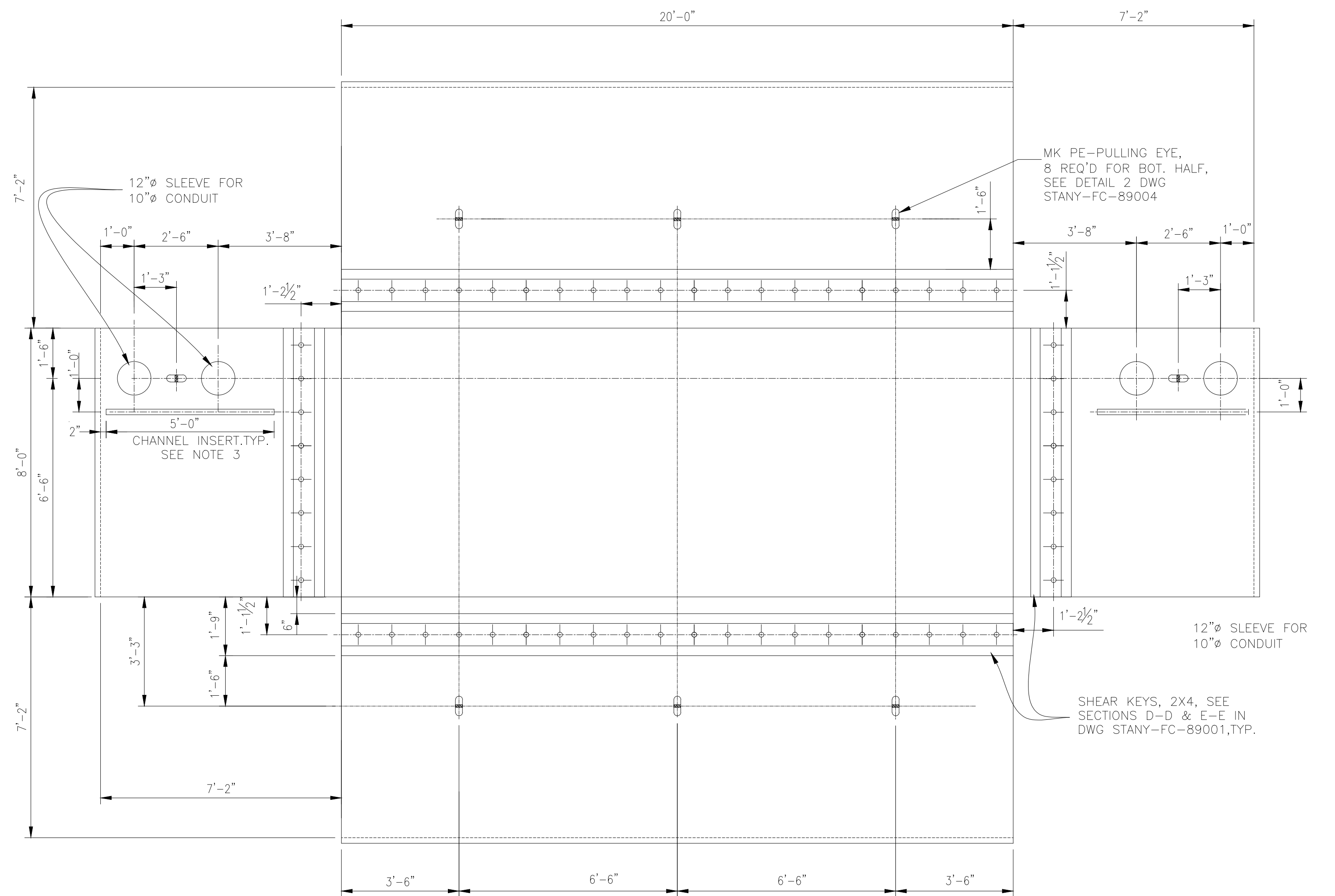
PER: _____

DATE: _____

BURNS McDONNELL Burns & McDonnell EGS, P.C. PROJ. NO. 154527						ISSUE																																																																																																																																																																																																																																																																																																																																																																								</
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SPLICE VAULT TOP HALF
(INSIDE VAULT)



SPLICE VAULT BOTTOM HALF
(INSIDE VAULT)

WORK THIS DWG WITH PSEG-LI DWG
STANY-FC-89001, STANY-FC-89002
STANY-FC-89003 & STANY-FC-89004

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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THE CONTRACTOR FROM ENTIRE
RESPONSIBILITY FOR DIMENSIONAL
ACCURACY, CONFORMANCE WITH
REFERENCED SPECIFICATIONS, CODES
AND ALL LIABILITY UNDER CONTRACT.

PER: _____

DATE: _____

										 BURNS MCDONNELL Burns & McDonnell EGS, P.C. PROJECT NO. 154527									
										LONG ISLAND POWER AUTHORITY TIANA — BUELL OFS BLDG 1 69KV TRANSMISSION LINE SPlice VAULT FOR 2500MM2 CABLE 5 OF 5 SOUTHAMPTON TO DEERFIELD 138KV OPERATED AT 69KV UNDERGROUND TRANSMISSION ENGINEERING  PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York									
										SCALE N.T.S. VENDOR DWG. NO.									
										DRAWING NO. F114558 SMART NO. STANY-FC-89005 REVISION 0									
										SYSTEM GRID NUMBER CABINET NO. FOLDER NO.									

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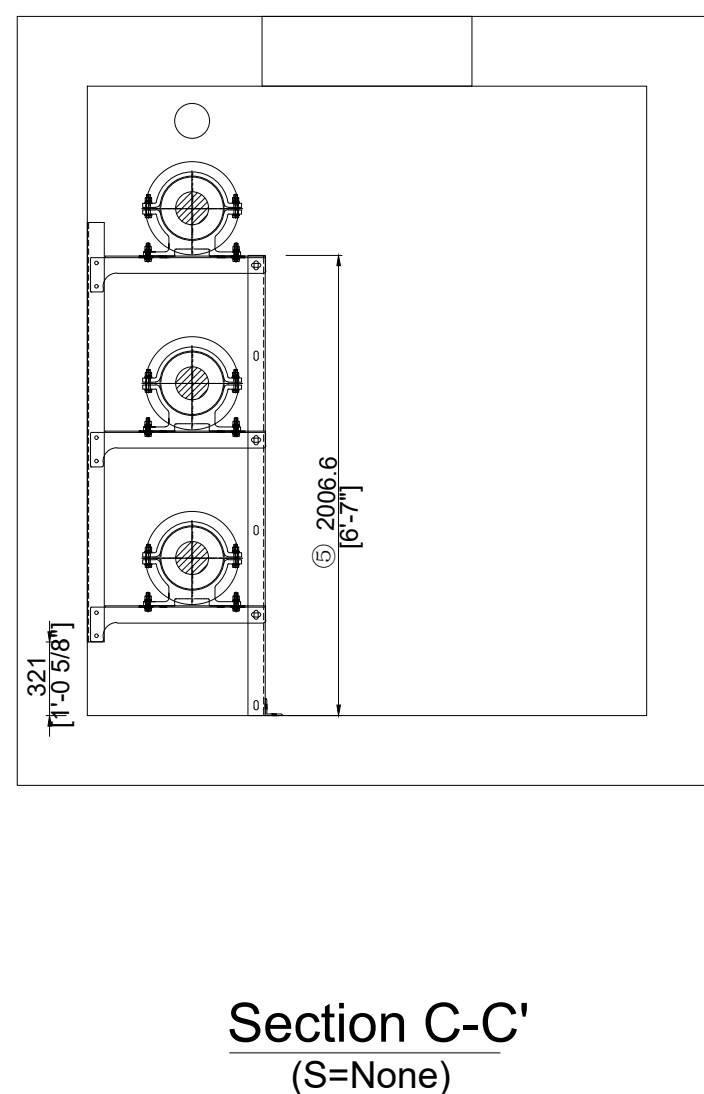
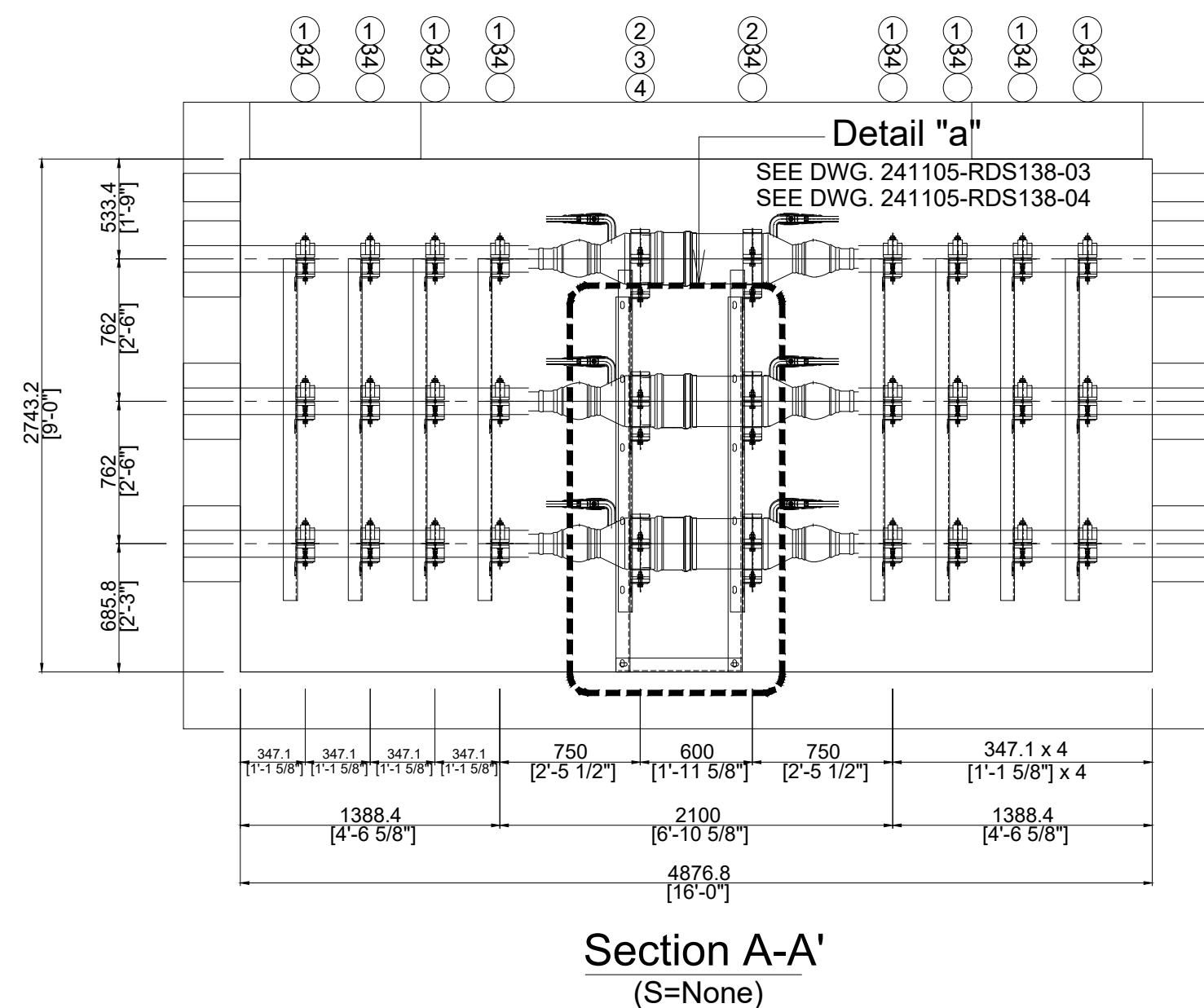
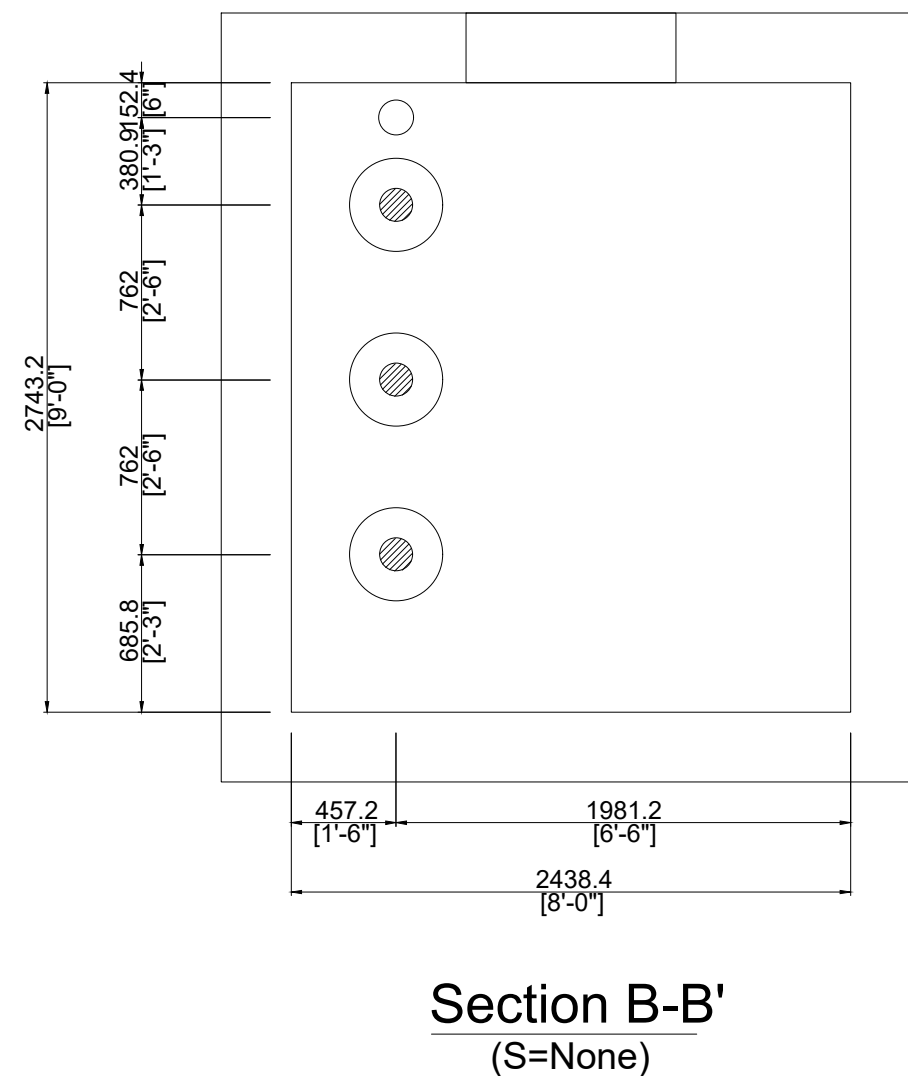
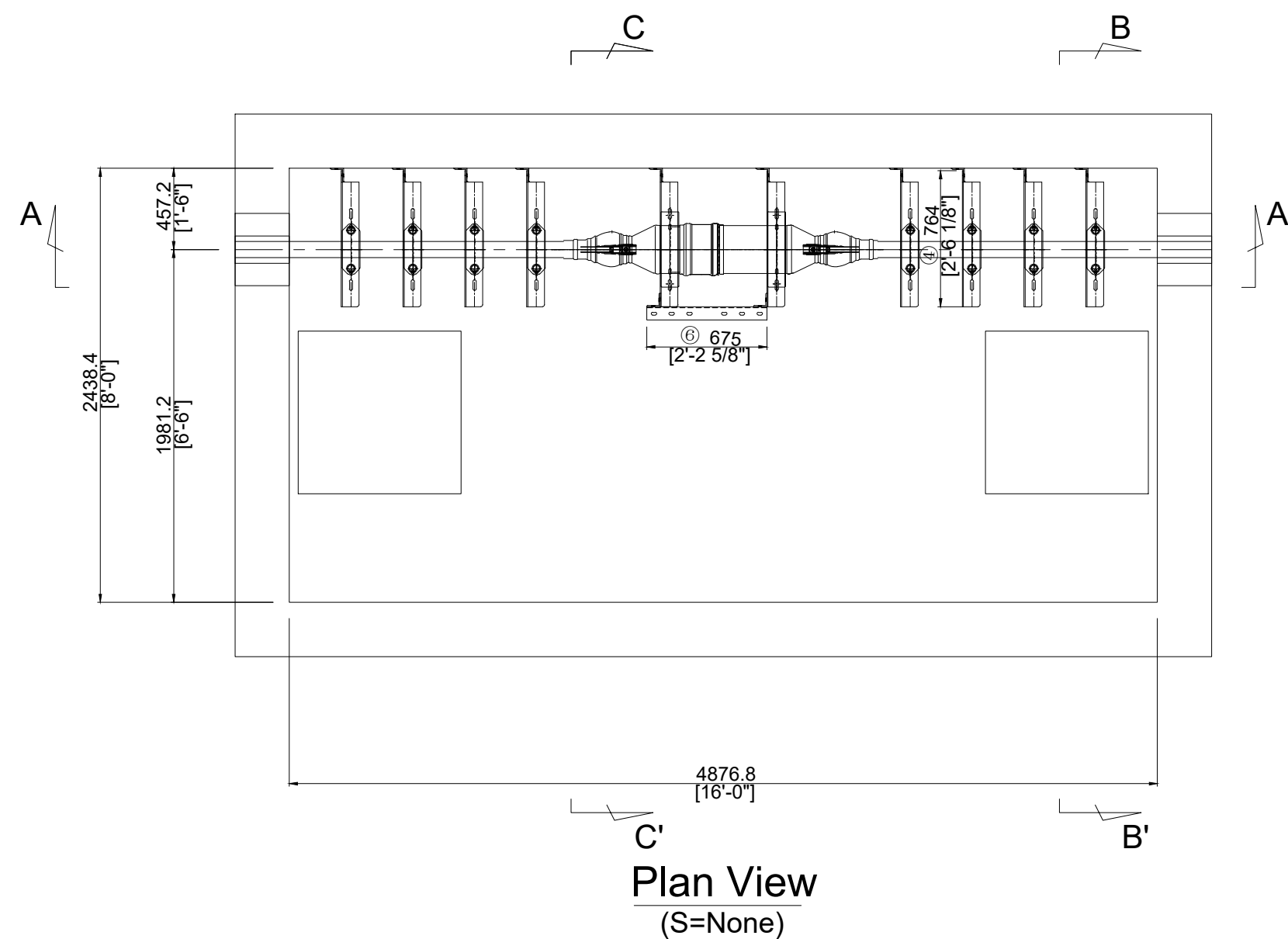
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Material list for racking					
NO.	Description	Spec(inch/ mm)	Unit	Q'ty	Remarks
1	Cable Cleat	Single Type	SET	24	-
2	Joint Cleat	-		6	-
3	Angle Support (3"x3"x1/4" / 75x75x.35)	L=72" (L=1828.8)		10	Stainless Steel 304
4	"L" Type Hanger (3.94"x3"x1/4" / 100x75x.35)	L=30.1" (L=764)		30	Stainless Steel 304
5	"L" Type Angle (3"x3"x1/4" / 75x75x.35)	L=79" (L=2006.6)		2	Stainless Steel 304
6		L=26.6" (L=675)		1	Stainless Steel 304
7	Set Anchor	M12"x4.0" (M12x101.6)	EA	30	Stainless Steel 304
8	Bolt & Nut	M5/8"x2.0" (M16x50)		8	Stainless Steel 304
9		M9/16"x2.0" (M14x50)		60	Stainless Steel 304
10	Flat Washer	M5/8" (M16)		16	Stainless Steel 304
11		M9/16" (M14)		120	Stainless Steel 304
12	Spring Washer	M5/8" (M16)		8	Stainless Steel 304
13		M9/16" (M14)	60	Stainless Steel 304	

Note:

1. All Hardware and inserts should be Stainless steel 304.
2. All hardware and Inserts can be changed according to site condition.

REFERENCE ONLY

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0.	11.05.24	ISSUED FOR BIDDING	CAD	BCL	YHC	JHK				
No.	DATE	DESCRIPTION	DRT	DG	RW	APP				
										
TITLE PSEG LI 138kV Cable Blanket Project Racking design for splicing manhole										
DWG. No.		241105-RDS138-00								
SCALE		NONE		REV.		0				

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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ACCURACY, CONFORMANCE WITH
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AND ALL LIABILITY UNDER CONTRACT.

PER: _____
DATE: _____

NOTE:

1. FINAL CABLE RACKING DESIGN TO BE PROVIDED BY CABLE MANUFACTURER.

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PERMITTING

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BURNS
MCDONNELL
Burns & McDonnell EGS, P.C.
PROJ. NO. 154527

[illegible]

Long Island Power Authority TIANA – BUELL OPS BLDG 1 69kV TRANSMISSION LINE			
CABLE RACKING DETAILS			
SOUTHAMPTON TO DEERFIELD 138kV OPERATED AT 69kV UNDERGROUND TRANSMISSION ENGINEERING			
 PSEG LONG ISLAND 175 East Old Country Road Hicksville, New York			
SCALE ---		VENDOR DWG. NO.	
DRAWING NO. F114035		SMART NO. RVF69-FU-01211	
SYSTEM GRID NUMBER		CABINET NO.	REVISION 0 FOLDER NO.

