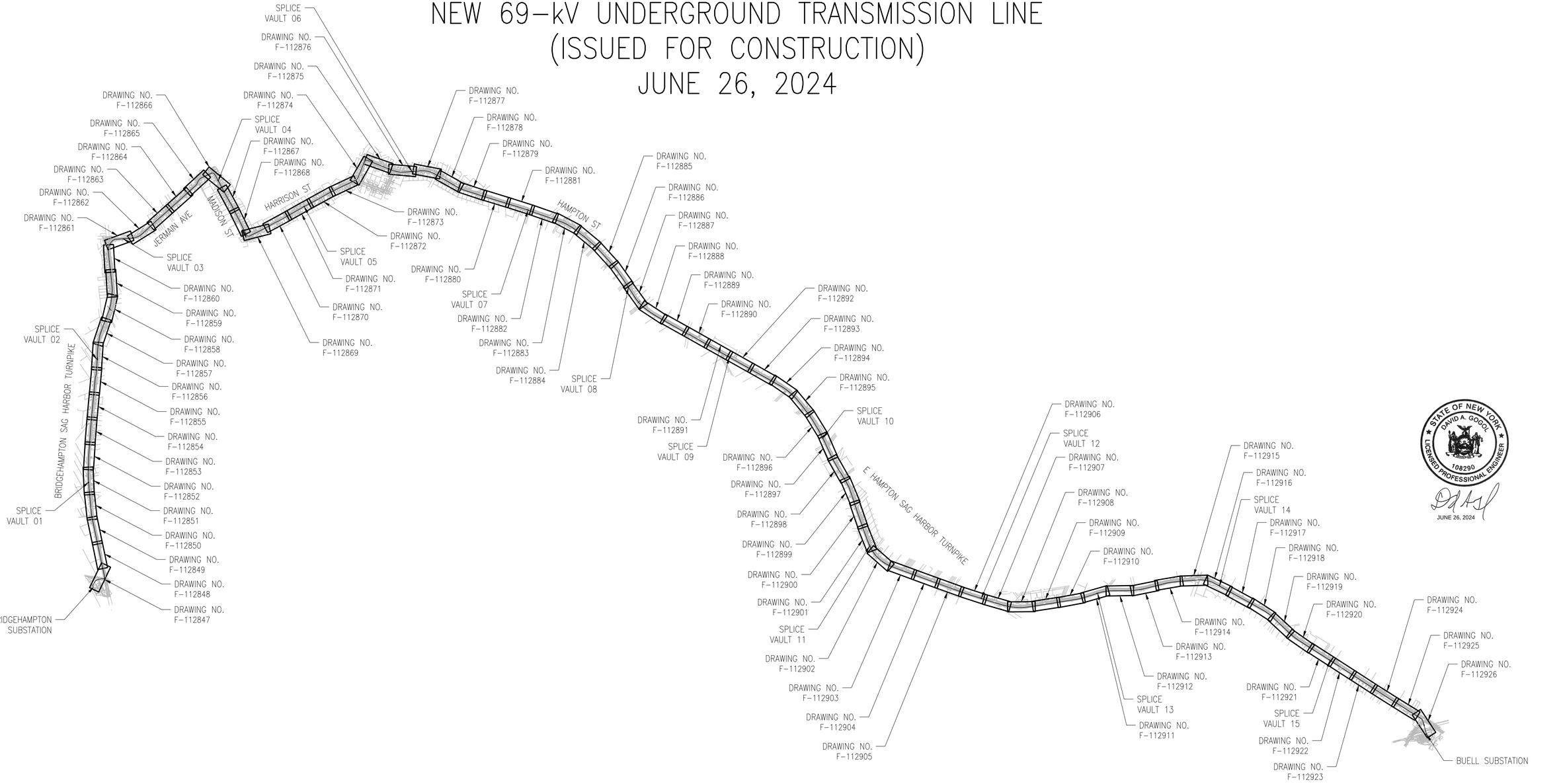
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION PROJECT
NEW 69–kV UNDERGROUND TRANSMISSION LINE
(ISSUED FOR CONSTRUCTION)
JUNE 26, 2024



STATE OF NEW YORK
DAVID A. GOGOL
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

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N

0 1000' 2000'
SCALE IN FEET

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	IFC	JAS	JRC	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	JRC	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

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

ISSUE

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69–kV UNDERGROUND TRANSMISSION
COVER

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

SCALE	VENDOR DWG. NO.
1"=1000'	

DRAWING NO.	SMART NO.	REVISION
F-112843	–	1

SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.

DRAWING #	DRAWING TITLE
F-112843	COVER
F-112844	DRAWING INDEX, GENERAL NOTES AND LEGEND
F-112845	DATA TABLE SHEET 01 OF 02
F-112846	DATA TABLE SHEET 02 OF 02
F-112847	PLAN AND PROFILE SHEET 01 OF 80
F-112848	PLAN AND PROFILE SHEET 02 OF 80
F-112849	PLAN AND PROFILE SHEET 03 OF 80
F-112850	PLAN AND PROFILE SHEET 04 OF 80
F-112851	PLAN AND PROFILE SHEET 05 OF 80
F-112852	PLAN AND PROFILE SHEET 06 OF 80
F-112853	PLAN AND PROFILE SHEET 07 OF 80
F-112854	PLAN AND PROFILE SHEET 08 OF 80
F-112855	PLAN AND PROFILE SHEET 09 OF 80
F-112856	PLAN AND PROFILE SHEET 10 OF 80
F-112857	PLAN AND PROFILE SHEET 11 OF 80
F-112858	PLAN AND PROFILE SHEET 12 OF 80
F-112859	PLAN AND PROFILE SHEET 13 OF 80
F-112860	PLAN AND PROFILE SHEET 14 OF 80
F-112861	PLAN AND PROFILE SHEET 15 OF 80
F-112862	PLAN AND PROFILE SHEET 16 OF 80
F-112863	PLAN AND PROFILE SHEET 17 OF 80
F-112864	PLAN AND PROFILE SHEET 18 OF 80
F-112865	PLAN AND PROFILE SHEET 19 OF 80
F-112866	PLAN AND PROFILE SHEET 20 OF 80
F-112867	PLAN AND PROFILE SHEET 21 OF 80
F-112868	PLAN AND PROFILE SHEET 22 OF 80
F-112869	PLAN AND PROFILE SHEET 23 OF 80
F-112870	PLAN AND PROFILE SHEET 24 OF 80
F-112871	PLAN AND PROFILE SHEET 25 OF 80
F-112872	PLAN AND PROFILE SHEET 26 OF 80
F-112873	PLAN AND PROFILE SHEET 27 OF 80
F-112874	PLAN AND PROFILE SHEET 28 OF 80
F-112875	PLAN AND PROFILE SHEET 29 OF 80
F-112876	PLAN AND PROFILE SHEET 30 OF 80
F-112877	PLAN AND PROFILE SHEET 31 OF 80
F-112878	PLAN AND PROFILE SHEET 32 OF 80
F-112879	PLAN AND PROFILE SHEET 33 OF 80
F-112880	PLAN AND PROFILE SHEET 34 OF 80
F-112881	PLAN AND PROFILE SHEET 35 OF 80
F-112882	PLAN AND PROFILE SHEET 36 OF 80
F-112883	PLAN AND PROFILE SHEET 37 OF 80
F-112884	PLAN AND PROFILE SHEET 38 OF 80
F-112885	PLAN AND PROFILE SHEET 39 OF 80
F-112886	PLAN AND PROFILE SHEET 40 OF 80
F-112887	PLAN AND PROFILE SHEET 41 OF 80
F-112888	PLAN AND PROFILE SHEET 42 OF 80
F-112889	PLAN AND PROFILE SHEET 43 OF 80
F-112890	PLAN AND PROFILE SHEET 44 OF 80
F-112891	PLAN AND PROFILE SHEET 45 OF 80
F-112892	PLAN AND PROFILE SHEET 46 OF 80
F-112893	PLAN AND PROFILE SHEET 47 OF 80
F-112894	PLAN AND PROFILE SHEET 48 OF 80
F-112895	PLAN AND PROFILE SHEET 49 OF 80
F-112896	PLAN AND PROFILE SHEET 50 OF 80
F-112897	PLAN AND PROFILE SHEET 51 OF 80
F-112898	PLAN AND PROFILE SHEET 52 OF 80
F-112899	PLAN AND PROFILE SHEET 53 OF 80
F-112900	PLAN AND PROFILE SHEET 54 OF 80
F-112901	PLAN AND PROFILE SHEET 55 OF 80
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F-112911	PLAN AND PROFILE SHEET 65 OF 80
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F-112913	PLAN AND PROFILE SHEET 67 OF 80
F-112914	PLAN AND PROFILE SHEET 68 OF 80
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F-112927	TRENCHLESS CROSSING PLAN AND PROFILE
F-112928	CONDUIT SYSTEM SECTIONS
F-112929	CONDUIT SYSTEM DETAILS
F-112930	TERMINATION STRUCTURE DETAILS
F-112931	BONDING DIAGRAM

BRIDGEHAMPTON TO BUELL – REFERNCE DRAWINGS	
SHEET NUMBER	SHEET TITLE
CS1754	UNDERGROUND TRANSMISSION 69KV HEAT SHRINK TERMINATION CLOSED SHEATH GROUNDING METHOD ON SUBSTATION TERMINAL
CS1760	35KV & 69KV MANHOLE OPEN SHEATH GROUNDING REV. 4
CS1761	69KV HEAT SHRINK TERMINATION OPEN SHEATH GROUNDING METHOD ON SUBSTATION TERMINAL REV. 2
CS1766	69KV MANHOLE NON-METALLIC CABLE RACK INSTALLATION DETAILS REV. 1
CS1768	UNDERGROUND TRANSMISSION 69KV 2500 KCMIL CABLES DIR. BURIED TREFOIL CONFIG. INSIDE SUBSTATION FENCE REV. 1
CS1769	69KV 2500 KCMIL CABLES IN 6" HDPE CONDUIT TREFOIL CONFIGURATION REV. 1
CS1770	UNDERGROUND TRANSMISSION GEN. NOTES FOR DIRECT BURIAL INSTALLATION OF 69-KV 2500KCMIL CABLE IN SUBSTATION REV. 1
CS1784	69KV TRANSMISSION LINE SOLID SPLICE VAULT DETAILS AND SECTIONS REV. 4
CS6548	TYPE TS DISTRIBUTION BOX (4'-6" X 3'-6" X 4'X0") PRECAST CONCRETE COMPONENTS
F97642	138/69 – 13KV SUBSTATION 69KV SINGLE POTHEAD STRUCTURE ERECTION AND SHOP DETAIL
F105615 & F105616	69-13KV SUBSTATION POTHEAD/LA/GND SWITCH STRUCTURE 7' PHASE SPACING ERECTION AND SHOP DETAILS

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	DWG NO.
1	WORK ZONE TRAFFIC CONTROL PLANS – KEY PLAN AND INDEX OF DRAWINGS	F-113277
2	WORK ZONE TRAFFIC CONTROL PLANS – NOTES, ABBREVIATIONS & LEGEND	F-113278
3	WORK ZONE TRAFFIC CONTROL PLANS – TABLES	F-113279
4	WORK ZONE TRAFFIC CONTROL PLANS – MISCELLANEOUS DETAILS – 1	F-113280
5	WORK ZONE TRAFFIC CONTROL PLANS – MISCELLANEOUS DETAILS – 2	F-113281
7	WORK ZONE TRAFFIC CONTROL PLANS – DETOUR PLANS – 1	F-113282
6	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-06	F-113283
7	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-07	F-113284
8	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-08	F-113285
9	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-09	F-113286
10	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-10	F-113287
11	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-11	F-113287
12	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-12	F-113289
13	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-13	F-113290
14	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-14	F-113291
15	WORK ZONE TRAFFIC CONTROL PLANS – SPLICE VAULT-15	F-113292

NYSDOT CONCRETE REPAIR DRAWINGS	
DRAWING #	DRAWING TITLE
DOT100	CALCIUM CHLORIDE ACCELERATED CONCRETE PAVEMENT REPAIR DETAILS
DOT101	CALCIUM CHLORIDE ACCELERATED CONCRETE PAVEMENT REPAIR DETAILS
DOT102	CALCIUM CHLORIDE ACCELERATED CONCRETE PAVEMENT REPAIR DETAILS
DOT103	CALCIUM CHLORIDE ACCELERATED CONCRETE PAVEMENT REPLACEMENT AT DRAINAGE STRUCTURE MODIFICATIONS
DOT104	HES CONCRETE PAVEMENT REPAIR DETAILS
DOT105	HES CONCRETE PAVEMENT REPAIR DETAILS
DOT106	HES CONCRETE PAVEMENT REPAIR DETAILS
DOT107	HES CONCRETE PAVEMENT REPLACEMENT AT DRAINAGE STRUCTURE MODIFICATIONS
DOT108	SPALL REPAIRS IN PCC PAVEMENT WHEN PAVEMENT IS NOT BEING RESURFACED
DOT109	ASPHALT SHOULDER REPAIR AT DRAINAGE STRUCTURE
DOT110	STEEL PLATING DETAILS FOR COMPOSITE PAVEMENT REPAIRS
DOT111	TEMPORARY PLATFORM DETAILS FOR PCC PAVEMENT REPAIRS
DOT112	FULL DEPTH ASPHALT PAVEMENT REPAIR DETAILS
DOT113	SPALL REPAIRS IN PCC PAVEMENT WHEN PAVEMENT IS BEING RESURFACED
DOT114	ASPHALT SPALL REPAIRS IN PCC PAVEMENT WHEN PAVEMENT IS NOT BEING RESURFACED
DOT115	TRANSVERSE JOINT REPAIR IN COMPOSITE PAVEMENT

GENERAL NOTES:

1. THE UTILITIES AND NATURAL FEATURES SHOWN HEREON ARE BASED ON FIELD SURVEYS AND RECORD DOCUMENTS (FIELD SURVEYS AND RECORD DOCUMENTS WERE PROVIDED BY PSEG LONG ISLAND ON OCT. 17, 2023). 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. VERTICAL MINIMUM RADII SHALL BE 200' UNLESS OTHERWISE NOTED. EXCEPT AT VAULT LOCATIONS WHERE VERTICAL MINIMUM RADII SHALL BE 50'. HORIZONTAL MINIMUM RADIUS SHALL BE 50' UNLESS OTHERWISE NOTED. SEE F-112845 FOR CURVE TABLE.
3. CONDUIT SYSTEM SHALL MAINTAIN A MINIMUM 42" DEPTH OF COVER OUTSIDE OF NYSDOT RIGHT OF WAY UNLESS OTHERWISE NOTED ON DRAWINGS. CONDUIT SYSTEM SHALL MAINTAIN A MINIMUM 60" DEPTH OF COVER WHILE IN NYSDOT RIGHT OF WAY UNLESS OTHERWISE NOTED ON DRAWINGS.
4. CONDUIT 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 NAVD83 NEW YORK STATE PLANE, LONG ISLAND, US FOOT.
9. VERTICAL DATUM IS NAVD88.
10. ASSUMED DEPTHS OF UNKNOWN UTILITIES:
    WATER 5'
    STORM AND SANITARY SEWER 3'
    GAS 3'
    ELECTRIC 3'
    TELEPHONE 2.5'
    TRAFFIC 3'
    } CONTRACTOR SHALL REQUEST 811 MARK OUT PRIOR TO CONSTRUCTION
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 SAG HARBOR/EAST HAMPTON. CONTRACTOR SHALL COORDINATE WITH PSEG LONG ISLAND ON EROSION CONTROL REQUIREMENTS AND METHODS.
14. MINIMUM DEPTH OF COVER, AS MEASURED AT ANY POINT OF DIRECT BURIED SPLICE VAULT SHALL BE 2'-6" WHILE INSIDE NYSDOT RIGHT OF WAY UNLESS OTHER WISE NOTED ON DRAWINGS. MINIMUM DEPTH OF COVER, AS MEASURED AT ANY POINT OF DIRECT BURIED SPLICE VAULT SHALL BE 2'-0" OUTSIDE OF NYSDOT RIGHT OF WAY UNLESS OTHER WISE NOTED ON DRAWINGS. PER PSEG LONG ISLAND STANDARD "69KV TRANSMISSION LINE SOLID SPLICE VAULT DETAILS AND SECTIONS" DRAWING NUMBER 1784.
15. NORTHING AND EASTING DESIGNATIONS FOR HANDHOLE LOCATIONS ARE REFERENCED TO CENTER OF HANDHOLE.
16. LIMITS OF DISTURBANCE DIMENSIONS:
    STA. 10+00 TO 176+00 = 15'-0" TOWARDS CENTER OF ROADWAY, AND SHOULDER.
    STA. 176+00 TO STA. 409+00 = 7'-0" TOWARDS CENTER OF ROADWAY, AND 18'-0" TOWARDS THE SHOULDER.
    MANHOLE LOCATIONS = 40'-0" WIDE X 200'-0" LONG, CENTERED ON THE MANHOLE

Legend

Manholes
Drainage (D)
Electric (E)
Gas (G)
Sanitary (S)
Telephone (T)
Unidentified (?)
Water (W)
69-kV Manhole
Handhole

Utility Poles
Metal Pole Base
Metal Pole with Light
Traffic Light (L)
Pedestrian Signal (P)
Wooden Utility Pole (U)
Wooden Utility Pole with Light (U)

Miscellaneous
Flag Pole (FP)
Guardpost (GP)
Guywire & Anchor
Handicap Ramp
Irrigation Box (I)
Mailbox (MB)
Sign – Single Post
Sign – Double Post
Sprinkler (SPLR)
Standpipe

Utility Hardware
Cable TV Pullbox (TV)
Electric Pullbox (EB)
Electric Vault (E)
Fire Box (F)
Gas Valve – Main (G)
Gas Valve – Service (G)
Hydrant
Hydrant Valve (H)
Monitoring Well (M)
Riser – Cable TV (TV)
Riser – Electric (EL)
Riser – Telephone (T)
Riser – Traffic (TR)
Sewer Cleanout (R)
Sewer Vent (OS)
Telephone Pullbox (T)
Traffic Control Cabinet (TC)
Traffic Loop
Traffic Pullbox (TR)
Unidentified Pullbox (?)
Unidentified Valve (V)
Unidentified Vault (V)
Water Meter (WM)
Water Valve – Main (W)
Water Valve – Service (W)

Fences
Fence
Guard Rail

Vegetation
Bush
Stump
Tree Located At Center (6")
Hedge
Treeline

Catch Basins
Flush Grate
Flush Grate w/ Curb Piece
Round Grate

Abbreviations

Aban.	Abandoned
Asph.	Asphalt
B. Blk.	Belgian Block
Brk.	Brick
Conc.	Concrete
DE	Dead End
Dwy.	Driveway
EOI	End Of Information
Fe.	Fence
G=118.11	Grate Elevation
Inv. 96.82	Pipe Invert Elevation
R=124.24	Rim Elevation
Rec.	Record
Ret.	Retired
Typ.	Typical
E&S	Environmental and Safety
PCSM	Post Construction–Stormwater Management
BMPS	Best Management Practices

Miscellaneous Lines
Minor Contours
Major Contours
Power: Overhead lines
Power: Underground lines (UE)
Water (W)
Gas: Underground lines (G)
Communication (T)
Sanitary Sewer (SS)
Wetland (WL)
Fence
Property Lines (P)
Railroad
Vegetation
Water Edge
69-kV Conduit System
Limits of Disturbance
HDD Drill Path

STATE OF NEW YORK · DAVID A. GOGOL · 108290 · LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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BURNS McDONNELL
PROJ. NO. 163671

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

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69-kV UNDERGROUND TRANSMISSION
DRAWING INDEX, GENERAL NOTES AND LEGEND

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

SCALE	VENDOR DWG. NO.
NONE	

DRAWING NO.	SMART NO.	REVISION
F-112844	–	1

SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.

CURVE TABLE							
CURVE NO.	RADIUS	CURVE LENGTH	TANGENT LENGTH	DEFLECTION ANGLE	POINT OF INTERSECTION	POINT OF CURVATURE	POINT OF TANGENCY
PI-1	20'	22.07'	12.31'	63.24°	N: 298036.70 E: 1453090.16	N: 298025.85 E: 1453095.99	N: 298046.78 E: 1453097.23
PI-2	50'	9.21'	4.62'	10.55°	N: 298103.41 E: 1453136.92	N: 298099.63 E: 1453134.27	N: 298107.61 E: 1453138.83
PI-3	50'	40.64'	21.52'	46.57°	N: 298135.26 E: 1453151.42	N: 298115.67 E: 1453142.50	N: 298142.25 E: 1453171.77
PI-4	100'	36.10'	18.25'	20.68°	N: 298167.67 E: 1453245.78	N: 298161.74 E: 1453228.52	N: 298167.11 E: 1453264.02
PI-5	30'	54.30'	38.20'	103.71°	N: 298164.83 E: 1453339.62	N: 298165.98 E: 1453301.44	N: 298202.20 E: 1453331.69
PI-6	500'	15.42'	7.71'	1.77°	N: 299351.04 E: 1453087.89	N: 299343.50 E: 1453089.49	N: 299358.63 E: 1453086.53
PI-7	500'	39.20'	19.61'	4.49°	N: 299443.58 E: 1453071.22	N: 299424.28 E: 1453074.70	N: 299463.09 E: 1453069.26
PI-8	1000'	4.94'	2.47'	0.28°	N: 299605.31 E: 1453055.01	N: 299602.85 E: 1453055.26	N: 299607.77 E: 1453054.78
PI-9	1000'	9.79'	4.90'	0.56°	N: 299812.91 E: 1453035.24	N: 299808.03 E: 1453035.70	N: 299817.79 E: 1453034.82
PI-10	1000'	15.34'	7.67'	0.88°	N: 299994.85 E: 1453019.71	N: 299987.21 E: 1453020.36	N: 300002.50 E: 1453019.17
PI-11	1000'	93.27'	46.67'	5.34°	N: 300214.51 E: 1453004.35	N: 300167.95 E: 1453007.60	N: 300261.16 E: 1453005.44
PI-12	1000'	50.36'	25.18'	2.89°	N: 300628.42 E: 1453014.06	N: 300603.25 E: 1453013.47	N: 300653.54 E: 1453015.92
PI-13	200'	3.91'	1.96'	1.12°	N: 301310.30 E: 1453064.48	N: 301308.35 E: 1453064.34	N: 301312.24 E: 1453064.66
PI-14	50'	12.08'	6.07'	13.85°	N: 302194.67 E: 1453147.30	N: 302188.63 E: 1453146.73	N: 302200.41 E: 1453149.30
PI-15	50'	12.86'	6.46'	14.73°	N: 302240.81 E: 1453163.36	N: 302234.71 E: 1453161.24	N: 302247.26 E: 1453163.87
PI-16	1000'	11.32'	5.66'	0.65°	N: 302331.21 E: 1453170.42	N: 302325.57 E: 1453169.98	N: 302336.86 E: 1453170.80
PI-17	1000'	30.75'	15.38'	1.76°	N: 302492.51 E: 1453181.19	N: 302477.17 E: 1453180.16	N: 302507.88 E: 1453181.74
PI-18	500'	37.49'	18.75'	4.30°	N: 302715.21 E: 1453189.18	N: 302696.46 E: 1453188.51	N: 302733.85 E: 1453191.25
PI-19	500'	58.72'	29.39'	6.73°	N: 302865.24 E: 1453205.88	N: 302836.02 E: 1453202.63	N: 302893.87 E: 1453212.53
PI-20	50'	6.60'	3.30'	7.56°	N: 302944.53 E: 1453224.30	N: 302941.31 E: 1453223.55	N: 302947.82 E: 1453224.62
PI-21	200'	42.29'	21.23'	12.12°	N: 303006.56 E: 1453230.29	N: 302985.43 E: 1453228.25	N: 303026.78 E: 1453236.72
PI-22	200'	9.61'	4.81'	2.75°	N: 303088.21 E: 1453256.25	N: 303083.63 E: 1453254.79	N: 303092.71 E: 1453257.92
PI-23	200'	0.32'	0.16'	0.09°	N: 303337.09 E: 1453348.75	N: 303336.95 E: 1453348.69	N: 303337.24 E: 1453348.80
PI-24	200'	21.46'	10.74'	6.15°	N: 303552.83 E: 1453429.32	N: 303542.77 E: 1453425.56	N: 303563.24 E: 1453431.97
PI-25	200'	23.42'	11.72'	6.71°	N: 303655.21 E: 1453455.47	N: 303643.85 E: 1453452.57	N: 303666.83 E: 1453457.02
PI-26	50'	2.90'	1.45'	3.32°	N: 303808.16 E: 1453475.94	N: 303806.72 E: 1453475.74	N: 303809.60 E: 1453476.05
PI-27	50'	6.98'	3.50'	8.00°	N: 303933.58 E: 1453485.36	N: 303930.10 E: 1453485.10	N: 303937.07 E: 1453485.14
PI-28	500'	15.28'	7.64'	1.75°	N: 303989.03 E: 1453481.78	N: 303981.40 E: 1453482.27	N: 303996.63 E: 1453481.05
PI-29	1000'	20.72'	10.36'	1.19°	N: 304153.10 E: 1453466.11	N: 304142.79 E: 1453467.10	N: 304163.39 E: 1453464.91
PI-30	1000'	17.94'	8.97'	1.03°	N: 304508.32 E: 1453424.76	N: 304499.42 E: 1453425.80	N: 304517.25 E: 1453423.88
PI-31	50'	25.47'	13.02'	29.18°	N: 304764.14 E: 1453399.62	N: 304751.18 E: 1453400.89	N: 304776.07 E: 1453404.82
PI-32	300'	100.60'	50.78'	19.21°	N: 304869.33 E: 1453445.52	N: 304822.79 E: 1453425.21	N: 304906.60 E: 1453480.01
PI-33	100'	73.51'	38.50'	42.12°	N: 304941.72 E: 1453512.52	N: 304913.47 E: 1453486.37	N: 304945.15 E: 1453550.87
PI-34	50'	1.36'	0.68'	1.56°	N: 304952.07 E: 1453628.40	N: 304952.00 E: 1453627.72	N: 304952.11 E: 1453629.08
PI-35	300'	92.98'	46.87'	17.76°	N: 304970.43 E: 1453925.17	N: 304967.53 E: 1453878.40	N: 304987.45 E: 1453968.84
PI-36	200'	51.36'	25.82'	14.71°	N: 305007.47 E: 1454020.18	N: 304998.09 E: 1453996.12	N: 305022.65 E: 1454041.06
PI-37	500'	54.87'	27.46'	6.29°	N: 305044.13 E: 1454070.62	N: 305027.99 E: 1454048.40	N: 305062.62 E: 1454090.93
PI-38	1000'	11.89'	5.95'	0.68°	N: 305137.02 E: 1454172.70	N: 305133.02 E: 1454168.31	N: 305141.08 E: 1454177.05

CURVE TABLE							
CURVE NO.	RADIUS	CURVE LENGTH	TANGENT LENGTH	DEFLECTION ANGLE	POINT OF INTERSECTION	POINT OF CURVATURE	POINT OF TANGENCY
PI-39	1000'	9.29'	4.64'	0.53°	N: 305241.30 E: 1454284.60	N: 305238.13 E: 1454281.20	N: 305244.43 E: 1454288.03
PI-40	50'	2.74'	1.37'	3.14°	N: 305370.42 E: 1454425.76	N: 305369.49 E: 1454424.75	N: 305371.28 E: 1454426.82
PI-41	50'	2.34'	1.17'	2.68°	N: 305421.25 E: 1454487.84	N: 305420.51 E: 1454486.94	N: 305422.04 E: 1454488.71
PI-42	50'	0.66'	0.33'	0.75°	N: 305886.06 E: 1455004.22	N: 305885.84 E: 1455003.97	N: 305886.28 E: 1455004.46
PI-43	100'	41.37'	20.99'	23.71°	N: 306035.03 E: 1455165.40	N: 306020.78 E: 1455149.99	N: 306054.27 E: 1455173.78
PI-44	200'	96.57'	49.24'	27.66°	N: 306129.30 E: 1455206.49	N: 306084.16 E: 1455186.81	N: 306160.14 E: 1455244.87
PI-45	100'	25.48'	12.81'	14.60°	N: 306169.41 E: 1455256.40	N: 306161.38 E: 1455246.41	N: 306174.65 E: 1455268.08
PI-46	50'	71.74'	43.63'	82.21°	N: 306280.88 E: 1455504.58	N: 306263.00 E: 1455464.79	N: 306243.87 E: 1455527.69
PI-47	50'	3.46'	1.73'	3.97°	N: 306201.18 E: 1455554.34	N: 306202.65 E: 1455553.42	N: 306199.65 E: 1455555.15
PI-48	500'	15.21'	7.61'	1.74°	N: 305787.22 E: 1455774.50	N: 305793.94 E: 1455770.93	N: 305780.62 E: 1455778.28
PI-49	500'	7.58'	3.79'	0.87°	N: 305644.52 E: 1455856.06	N: 305647.81 E: 1455854.18	N: 305641.20 E: 1455857.89
PI-50	50'	2.33'	1.17'	2.67°	N: 305603.33 E: 1455878.78	N: 305604.35 E: 1455878.22	N: 305602.28 E: 1455879.30
PI-51	50'	0.95'	0.47'	1.09°	N: 305485.78 E: 1455936.64	N: 305486.21 E: 1455936.43	N: 305485.36 E: 1455936.85
PI-52	50'	1.47'	0.73'	1.68°	N: 305304.31 E: 1456030.28	N: 305304.96 E: 1456029.94	N: 305303.65 E: 1456030.60
PI-53	500'	36.46'	18.24'	4.18°	N: 305081.68 E: 1456137.01	N: 305098.13 E: 1456129.13	N: 305064.70 E: 1456143.68
PI-54	50'	82.58'	54.22'	94.63°	N: 304987.64 E: 1456173.93	N: 305038.11 E: 1456154.12	N: 305011.47 E: 1456222.63
PI-55	1000'	47.79'	23.90'	2.74°	N: 305125.07 E: 1456454.85	N: 305114.56 E: 1456433.38	N: 305136.58 E: 1456475.79
PI-56	50'	9.25'	4.64'	10.60°	N: 305288.45 E: 1456751.96	N: 305286.22 E: 1456747.90	N: 305289.90 E: 1456756.37
PI-57	200'	39.30'	19.71'	11.26°	N: 305297.73 E: 1456780.19	N: 305291.58 E: 1456761.46	N: 305307.43 E: 1456797.35
PI-58	1000'	3.08'	1.54'	0.18°	N: 305468.55 E: 1457082.60	N: 305467.79 E: 1457081.26	N: 305469.32 E: 1457083.94
PI-59	200'	6.64'	3.32'	1.90°	N: 305577.78 E: 1457274.59	N: 305576.14 E: 1457271.71	N: 305579.33 E: 1457277.53
PI-60	1000'	37.47'	18.74'	2.15°	N: 305728.14 E: 1457560.57	N: 305719.42 E: 1457543.99	N: 305737.47 E: 1457576.82
PI-61	500'	30.75'	15.38'	3.52°	N: 305856.65 E: 1457784.24	N: 305848.99 E: 1457770.91	N: 305863.48 E: 1457798.02
PI-62	50'	1.67'	0.83'	1.91°	N: 305996.09 E: 1458065.66	N: 305995.72 E: 1458064.91	N: 305996.48 E: 1458066.39
PI-63	50'	3.96'	1.98'	4.54°	N: 306009.70 E: 1458090.98	N: 306008.76 E: 1458089.23	N: 306010.50 E: 1458092.80
PI-64	50'	2.54'	1.27'	2.91°	N: 306081.84 E: 1458255.08	N: 306081.33 E: 1458253.92	N: 306082.41 E: 1458256.21
PI-65	50'	4.01'	2.01'	4.60°	N: 306112.79 E: 1458316.79	N: 306111.89 E: 1458315.00	N: 306113.55 E: 1458318.65
PI-66	50'	37.09'	19.44'	42.50°	N: 306133.78 E: 1458368.62	N: 306126.48 E: 1458350.60	N: 306151.33 E: 1458376.98
PI-67	50'	3.07'	1.54'	3.52°	N: 306206.59 E: 1458403.29	N: 306205.20 E: 1458402.63	N: 306208.01 E: 1458403.87
PI-68	50'	78.27'	49.73'	89.69°	N: 306537.46 E: 1458536.57	N: 306491.33 E: 1458517.99	N: 306519.13 E: 1458582.80
PI-69	50'	5.49'	2.75'	6.29°	N: 306314.69 E: 1459098.31	N: 306315.71 E: 1459095.76	N: 306313.97 E: 1459100.96
PI-70	500'	108.11'	54.27'	12.39°	N: 306288.65 E: 1459193.25	N: 306303.00 E: 1459140.91	N: 306285.85 E: 1459247.44
PI-71	500'	65.60'	32.85'	7.52°	N: 306284.01 E: 1459283.03	N: 306285.71 E: 1459250.23	N: 306286.63 E: 1459315.78
PI-72	500'	75.15'	37.65'	8.61°	N: 306315.21 E: 1459673.79	N: 306312.21 E: 1459636.26	N: 306312.55 E: 1459711.34
PI-73	500'	120.49'	60.54'	13.81°	N: 306308.27 E: 1459771.87	N: 306312.54 E: 1459711.48	N: 306289.71 E: 1459829.49
PI-74	500'	106.11'	53.25'	12.16°	N: 306273.36 E: 1459880.25	N: 306289.68 E: 1459829.56	N: 306246.72 E: 1459926.37
PI-75	300'	46.50'	23.30'	8.88°	N: 305963.37 E: 1460416.86	N: 305975.03 E: 1460396.69	N: 305954.97 E: 1460438.60
PI-76	50'	3.19'	1.60'	3.66°	N: 305916.94 E: 1460537.00	N: 305917.51 E: 1460535.51	N: 305916.46 E: 1460538.53

CURVE TABLE							
CURVE NO.	RADIUS	CURVE LENGTH	TANGENT LENGTH	DEFLECTION ANGLE	POINT OF INTERSECTION	POINT OF CURVATURE	POINT OF TANGENCY
PI-77	1000'	8.82'	4.41'	0.51°	N: 305757.66 E: 1461042.97	N: 305758.98 E: 1461038.76	N: 305756.37 E: 1461047.19
PI-78	50'	1.23'	0.61'	1.41°	N: 305593.35 E: 1461581.44	N: 305593.53 E: 1461580.85	N: 305593.16 E: 1461582.02
PI-79	50'	0.95'	0.47'	1.09°	N: 305504.35 E: 1461849.37	N: 305504.50 E: 1461848.92	N: 305504.19 E: 1461849.82
PI-80	50'	1.58'	0.79'	1.81°	N: 305374.92 E: 1462215.65	N: 305375.18 E: 1462214.91	N: 305374.68 E: 1462216.41
PI-81	50'	2.09'	1.05'	2.40°	N: 305342.26 E: 1462318.28	N: 305342.58 E: 1462317.28	N: 305341.91 E: 1462319.26
PI-82	50'	1.56'	0.78'	1.78°	N: 305303.08 E: 1462425.64	N: 305303.35 E: 1462424.91	N: 305302.79 E: 1462426.36
PI-83	1000'	149.92'	75.10'	8.59°	N: 305262.04 E: 1462528.08	N: 305289.97 E: 1462458.36	N: 305224.01 E: 1462592.84
PI-84	1000'	130.36'	65.27'	7.47°	N: 305172.66 E: 1462680.27	N: 305205.72 E: 1462623.98	N: 305132.57 E: 1462731.78
PI-85	1000'	48.95'	24.48'	2.80°	N: 304999.30 E: 1462903.01	N: 305014.34 E: 1462883.69	N: 304983.34 E: 1462921.57
PI-86	1000'	106.48'	53.29'	6.10°	N: 304802.32 E: 1463132.04	N: 304837.07 E: 1463091.64	N: 304763.47 E: 1463168.52
PI-87	500'	11.72'	5.86'	1.34°	N: 304602.66 E: 1463319.55	N: 304606.93 E: 1463315.54	N: 304598.29 E: 1463323.46
PI-88	1000'	65.29'	32.66'	3.74°	N: 304410.42 E: 1463491.78	N: 304434.75 E: 1463469.99	N: 304384.73 E: 1463511.94
PI-89	1000'	55.06'	27.54'	3.15°	N: 304313.13 E: 1463568.12	N: 304334.79 E: 1463551.12	N: 304290.56 E: 1463583.90
PI-90	50'	1.70'	0.85'	1.95°	N: 304147.98 E: 1463683.60	N: 304148.67 E: 1463683.11	N: 304147.26 E: 1463684.06
PI-91	50'	1.07'	0.53'	1.22°	N: 303857.68 E: 1463872.23	N: 303858.13 E: 1463871.94	N: 303857.23 E: 1463872.51
PI-92	1000'	412.95'	209.46'	23.66°	N: 303637.29 E: 1464008.83	N: 303815.33 E: 1463898.48	N: 303518.51 E: 1464181.35
PI-93	1000'	88.96'	44.51'	5.10°	N: 303429.85 E: 1464310.12	N: 303455.09 E: 1464273.46	N: 303407.96 E: 1464348.88
PI-94	500'	46.33'	23.18'	5.31°	N: 303069.24 E: 1464948.79	N: 303080.63 E: 1464928.61	N: 303059.76 E: 1464969.94
PI-95	500'	52.28'	26.16'	5.99°	N: 303040.67 E: 1465012.53	N: 303051.37 E: 1464988.66	N: 303027.53 E: 1465035.16
PI-96	1000'	9.18'	4.59'	0.53°	N: 302979.84 E: 1465117.33	N: 302982.14 E: 1465113.36	N: 302977.57 E: 1465121.32
PI-97	500'	2.55'	1.27'	0.29°	N: 302705.45 E: 1465600.20	N: 302706.08 E: 1465599.09	N: 302704.83 E: 1465601.31
PI-98	1200'	324.86'	163.43'	15.51°	N: 301943.64 E: 1466956.91	N: 302023.65 E: 1466814.41	N: 301828.43 E: 1467072.82
PI-99	1000'	99.77'	49.93'	5.72°	N: 301760.51 E: 1467141.16	N: 301795.70 E: 1467105.75	N: 301721.96 E: 1467172.89
PI-100	1000'	39.05'	19.53'	2.24°	N: 301632.78 E: 1467246.29	N: 301647.86 E: 1467233.88	N: 301617.23 E: 1467258.10
PI-101	500'	29.39'	14.70'	3.37°	N: 301418.84 E: 1467408.80	N: 301430.54 E: 1467399.91	N: 301406.63 E: 1467416.99
PI-102	200'	9.71'	4.86'	2.78°	N: 301338.46 E: 1467462.72	N: 301342.49 E: 1467460.01	N: 301334.30 E: 1467465.22
PI-103	1000'	65.71'	32.87'	3.76°	N: 301134.78 E: 1467585.44	N: 301162.93 E: 1467568.48	N: 301105.58 E: 1467600.52
PI-104	500'	22.54'	11.27'	2.58°	N: 300901.42 E: 1467705.92	N: 300911.44 E: 1467700.74	N: 300891.18 E: 1467710.63
PI-105	500'	18.28'	9.14'	2.09°	N: 300650.55 E: 1467821.42	N: 300658.85 E: 1467817.60	N: 300642.39 E: 1467825.55
PI-106	1000'	45.34'	22.67'	2.60°	N: 300522.17 E: 1467886.32	N: 300542.40 E: 1467876.09	N: 300502.42 E: 1467897.46
PI-107	1000'	52.44'	26.22'	3.00°	N: 300347.87 E: 1467984.59	N: 300370.71 E: 1467971.71	N: 300325.73 E: 1467998.65
PI-108	1000'	32.34'	16.17'	1.85°	N: 300251.05 E: 1468046.08	N: 300264.70 E: 1468037.41	N: 300237.12 E: 1468054.31
PI-109	500'	19.47'	9.74'	2.23°	N: 300103.42 E: 1468133.27	N: 300111.80 E: 1468128.32	N: 300094.84 E: 1468137.90
PI-110	500'	78.13'	39.14'	8.95°	N: 299992.57 E: 1468193.04	N: 300027.02 E: 1468174.47	N: 299955.65 E: 1468206.03
PI-111	1000'	22.06'	11.03'	1.26°	N: 299771.94 E: 1468270.66	N: 299782.35 E: 1468267.00	N: 299761.46 E: 1468274.09
PI-112	1000'	24.99'	12.50'	1.43°	N: 299482.40 E: 1468365.40	N: 299494.28 E: 1468361.52	N: 299470.62 E: 1468369.59
PI-113	1000'	67.30'	33.66'	3.86°	N: 298906.13 E: 1468570.04	N: 298937.85 E: 1468558.78	N: 298875.24 E: 1468583.42
PI-114	500'	98.42'	49.37'	11.28°	N: 298761.11 E: 1468632.82	N: 298806.42 E: 1468613.20	N: 298720.51 E: 1468660.91

CURVE TABLE							
CURVE NO.	RADIUS	CURVE LENGTH	TANGENT LENGTH	DEFLECTION ANGLE	POINT OF INTERSECTION	POINT OF CURVATURE	POINT OF TANGENCY
PI-115	500'	0.65'	0.32'	0.07°	N: 298714.48 E: 1468665.09	N: 298714.74 E: 1468664.91	N: 298714.21 E: 1468665.27
PI-116	500'	77.69'	38.92'	8.90°	N: 298649.68 E: 1468710.06	N: 298681.66 E: 1468687.87	N: 298621.52 E: 1468736.93
PI-117	500'	109.37'	54.90'	12.53°	N: 298543.84 E: 1468811.06	N: 298583.56 E: 1468773.15	N: 298513.29 E: 1468856.68
PI-118	300'	32.69'	16.36'	6.24°	N: 298462.69 E: 1468932.26	N: 298471.79 E: 1468918.66	N: 298455.11 E: 1468946.76
PI-119	800'	98.96'	49.55'	7.09°	N: 298431.43 E: 1468992.13	N: 298436.36 E: 1468948.21	N: 298414.10 E: 1469038.54
PI-120	1000'	8.72'	4.36'	0.50°	N: 298308.31 E: 1469321.89	N: 298309.83 E: 1469317.81	N: 298306.82 E: 1469325.99
PI-121	1000'	7.79'	3.89'	0.45°	N: 297986.15 E: 1470208.21	N: 297987.48 E: 1470204.55	N: 297984.85 E: 1470211.88
PI-122	1000'	35.67'	17.84'	2.04°	N: 297859.15 E: 1470566.25	N: 297865.32 E: 1470549.44	N: 297853.80 E: 1470583.27
PI-123	1000'	25.19'	12.59'	1.44°	N: 297687.10 E: 1471112.44	N: 297690.88 E: 1471100.43	N: 297683.62 E: 1471124.55
PI-124	500'	56.58'	28.32'	6.48°	N: 297624.36 E: 1471330.64	N: 297632.19 E: 1471303.42	N: 297619.66 E: 1471358.56
PI-125	500'	47.86'	23.95'	5.48°	N: 297601.72 E: 1471465.10	N: 297605.69 E: 1471441.49	N: 297600.02 E: 1471488.99
PI-126	1000'	177.77'	89.12'	10.19°	N: 297590.04 E: 1471629.09	N: 297596.37 E: 1471540.19	N: 297599.53 E: 1471717.70
PI-127	1000'	49.45'	24.73'	2.83°	N: 297606.32 E: 1471781.17	N: 297603.69 E: 1471756.58	N: 297610.17 E: 1471805.60
PI-128	1000'	4.78'	2.39'	0.27°	N: 297697.41 E: 1472359.91	N: 297697.04 E: 1472357.55	N: 297697.80 E: 1472362.27
PI-129	1000'	143.02'	71.63'	8.19°	N: 297771.23 E: 1472814.72	N: 297759.75 E: 1472744.01	N: 297792.66 E: 1472883.07
PI-130	500'	39.37'	19.69'	4.51°	N: 297898.03 E: 1473219.01	N: 297892.13 E: 1473200.21	N: 297902.42 E: 1473238.20
PI-131	1000'	220.32'	110.61'	12.62°	N: 297927.56 E: 1473347.92	N: 297902.86 E: 1473240.11	N: 297928.10 E: 1473458.53
PI-132	500'	33.79'	16.90'	3.87°	N: 297929.57 E: 1473761.15	N: 297929.49 E: 1473744.25	N: 297930.79 E: 1473778.01
PI-133	1000'	60.13'	30.07'	3.45°	N: 297940.85 E: 1473916.65	N: 297938.68 E: 1473886.66	N: 297944.83 E: 1473946.46
PI-134	1000'	113.77'	56.95'	6.52°	N: 297956.12 E: 1474031.17	N: 297948.60 E: 1473974.72	N: 297970.01 E: 1474086.39
PI-135	1000'	134.08'	67.14'	7.68°	N: 298091.81 E: 1474570.80	N: 298075.44 E: 1474505.69	N: 298099.34 E: 1474637.52
PI-136	500'	17.48'	8.74'	2.00°	N: 298115.72 E: 1474782.88	N: 298114.74 E: 1474774.19	N: 298116.40 E: 1474791.59
PI-137	500'	97.38'	48.84'	11.16°	N: 298148.58 E: 1475207.18	N: 298144.81 E: 1475158.48	N: 298142.86 E: 1475255.69
PI-138	500'	69.30'	34.71'	7.94°	N: 298134.44 E: 1475327.07	N: 298138.50 E: 1475292.61	N: 298125.65 E: 1475360.65
PI-139	500'	109.38'	54.91'	12.53°	N: 298109.33 E: 1475422.99	N: 298123.23 E: 1475369.87	N: 298084.22 E: 1475471.82
PI-140	500'	13.29'	6.65'	1.52°	N: 298063.94 E: 1475511.29	N: 298066.97 E: 1475505.38	N: 298060.74 E: 1475517.11
PI-141	1000'	16.05'	8.03'	0.92°	N: 297676.80 E: 1476217.56	N: 297680.66 E: 1476210.52	N: 297672.83 E: 1476224.53
PI-142	1000'	82.54'	41.29'	4.73°	N: 297516.04 E: 1476500.00	N: 297536.47 E: 1476464.11	N: 297492.73 E: 1476534.08
PI-143	500'	70.91'	35.51'	8.13°	N: 297454.45 E: 1476590.02	N: 297474.50 E: 1476560.71	N: 297430.46 E: 1476616.20
PI-144	500'	9.42'	4.71'	1.08°	N: 297314.45 E: 1476742.79	N: 297317.63 E: 1476739.32	N: 297311.21 E: 1476746.20
PI-145	1000'	22.14'	11.07'	1.27°	N: 297117.61 E: 1476949.62	N: 297125.24 E: 1476941.60	N: 297110.16 E: 1476957.81
PI-146	500'	50.57'	25.31'	5.80°	N: 297009.83 E: 1477068.02	N: 297026.86 E: 1477049.31	N: 296994.77 E: 1477088.36
PI-147	500'	34.99'	17.50'	4.01°	N: 296956.26 E: 1477140.36	N: 296966.68 E: 1477126.29	N: 296946.86 E: 1477155.12
PI-148	1000'	0.76'	0.38'	0.04°	N: 296649.83 E: 1477621.20	N: 296650.04 E: 1477620.88	N: 296649.63 E: 1477621.52
PI-149	1000'	6.80'	3.40'	0.39°	N: 296422.91 E: 1477976.69	N: 296424.74 E: 1477973.82	N: 296421.06 E: 1477979.54
PI-150	500'	1.77'	0.89'	0.20°	N: 296078.97 E: 1478507.50	N: 296079.45 E: 1478506.75	N: 296078.49 E: 1478508.24
PI-151	1000'	11.12'	5.56'	0.64°	N: 295721.32 E: 1479063.77	N: 295724.33 E: 1479059.09	N: 295718.37 E: 1479068.48
PI-152	50'	33.01'	17.13'	37.83°	N: 295363.86 E: 1479633.60	N: 295372.96 E: 1479619.09	N: 295347.77 E: 1479639.48

CURVE TABLE							
CURVE NO.	RADIUS	CURVE LENGTH	TANGENT LENGTH	DEFLECTION ANGLE	POINT OF INTERSECTION	POINT OF CURVATURE	POINT OF TANGENCY
PI-153	50'	4.55'	2.28'	5.21°	N: 295297.96 E: 1479657.68	N: 295300.10 E: 1479656.90	N: 295295.76 E: 1479658.26

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	IFC	JAS	JRC	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	JRC	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

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

ISSUE

STATE OF NEW YORK
DAVID A. GOGOL
LICENSED PROFESSIONAL ENGINEER
108290

JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69-kV UNDERGROUND TRANSMISSION
DATA TABLE SHEET 1 OF 2

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

SCALE	VENDOR DWG. NO.
NONE	
DRAWING NO. F-112845	SMART NO. –
REVISION 1	
SYSTEM GRID NUMBER	CABINET NO.
FOLDER NO.	

69-kV CABLE PULLING CALCULATIONS

CABLE PULL				XLPE CABLE			PULLING TENSION (in pounds) FORWARD	SIDEWALL PRESSURE (in lbs/ft of radius) FORWARD	PULLING TENSION (in pounds) REVERSED	SIDEWALL PRESSURE (in lbs/ft of radius) REVERSED	
FROM	TO	CONDUIT SIZE AND TYPE	*LENGTH OF RUN IN FEET	VOLTAGE CLASS	SIZE	TYPE					
BRIDGEHAMPTON SUBSTATION	VAULT 1	6" HDPE	2,282	69-kV	2500 kcmil Cu	XLPE	6,280	86	15,889	2,603	1
VAULT 1	VAULT 2	6" HDPE	2,460	69-kV	2500 kcmil Cu	XLPE	7,718	139	9,103	363	2
VAULT 2	VAULT 3	6" HDPE	2,669	69-kV	2500 kcmil Cu	XLPE	9,752	182	8,997	145	3
VAULT 3	VAULT 4	6" HDPE	2,472	69-kV	2500 kcmil Cu	XLPE	13,166	251	9,059	114	4
VAULT 4	VAULT 5	6" HDPE	2,536	69-kV	2500 kcmil Cu	XLPE	9,588	147	9,062	136	5
VAULT 5	VAULT 6	6" HDPE	2,570	69-kV	2500 kcmil Cu	XLPE	11,090	181	11,159	445	6
VAULT 6	VAULT 7	6" HDPE	2,478	69-kV	2500 kcmil Cu	XLPE	6,745	122	8,106	60	7
VAULT 7	VAULT 8	6" HDPE	2,601	69-kV	2500 kcmil Cu	XLPE	8,459	160	8,753	158	8
VAULT 8	VAULT 9	6" HDPE	2,481	69-kV	2500 kcmil Cu	XLPE	8,508	42	8,076	135	9
VAULT 9	VAULT 10	6" HDPE	2,532	69-kV	2500 kcmil Cu	XLPE	8,092	40	7,241	36	10
VAULT 10	VAULT 11	6" HDPE	2,357	69-kV	2500 kcmil Cu	XLPE	6,652	33	6,206	31	11
VAULT 11	VAULT 12	6" HDPE	2,516	69-kV	2500 kcmil Cu	XLPE	6,788	34	7,561	36	12
VAULT 12	VAULT 13	6" HDPE	2,375	69-kV	2500 kcmil Cu	XLPE	6,572	33	6,761	34	13
VAULT 13	VAULT 14	6" HDPE	2,483	69-kV	2500 kcmil Cu	XLPE	9,043	45	8,688	43	14
VAULT 14	VAULT 15	6" HDPE	2,671	69-kV	2500 kcmil Cu	XLPE	7,377	37	7,564	38	15
VAULT 15	BUELL SUBSTATION	6" HDPE	2,503	69-kV	2500 kcmil Cu	XLPE	9,622	1,559	7,035	35	16
MAXIMUM ALLOWABLE PULLING TENSIONS AND SIDEWALL PRESSURES IN ACCORDANCE WITH INDUSTRY STANDARD:											
2500 kcmil Cu XLPE 69-kV, 1/C: MAX PULLING TENSION = 20,000 lbs, MAX SIDEWALL PRESSURE = APPROXIMATELY 2,000 lbs/ft.											
Coefficient of Friction = 0.15											
*The pulling lengths have been adjusted as per the client's request to match the specified statoining and bonding diagram lengths.											
**Value exceeds allowable sidewall pressure											

TEST PIT DATA			
TEST PIT ID	UTILITY TYPE	NORTHING/EASTING	ADDITIONAL NOTES
TEST PIT 1	COMM	N: 305756.83 E: 1461045.67	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 2	GAS	N: 305737.98 E: 1461107.47	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 3	WATER	N: 305593.35 E: 1461581.44	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 4	STORM	N: 305393.02 E: 1462164.43	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 5	STORM	N: 305303.39 E: 1462424.80	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 6	ELEC	N: 304891.14 E: 1463028.78	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 7	COMM	N: 304497.23 E: 1463414.01	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 8	WATER	N: 304083.55 E: 1463725.46	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 9	COMM	N: 303690.16 E: 1463990.23	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 10	WATER	N: 303396.03 E: 1464370.02	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 11	COMM	N: 303198.64 E: 1464719.41	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 12	STORM	N: 302981.58 E: 1465114.34	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 13	ELEC	N: 302759.66 E: 1465504.81	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 14	WATER	N: 302514.45 E: 1465940.36	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 15	GAS	N: 302293.78 E: 1466333.34	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 16	GAS	N: 302038.35 E: 1466788.23	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 17	WATER	N: 301632.04 E: 1467246.36	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 18	WATER	N: 300875.17 E: 1467718.00	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 19	FIBER	N: 300168.98 E: 1468094.55	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 20	GAS	N: 298365.00 E: 1469170.06	IF NO UTILITY IS FOUND TEST PIT TO 8-FT

TEST PIT DATA			
TEST PIT ID	UTILITY TYPE	NORTHING/EASTING	ADDITIONAL NOTES
TEST PIT 21	STORM	N: 298073.48 E: 1469968.06	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 22	STORM	N: 297704.27 E: 1471057.92	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 23	STORM	N: 297600.39 E: 1471725.74	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 24	STORM	N: 297677.40 E: 1472232.78	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 25	ELEC	N: 297741.33 E: 1472630.52	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 26	STORM	N: 297955.84 E: 1474020.80	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 27	ELEC	N: 298045.51 E: 1474386.66	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 28	ELEC	N: 298115.12 E: 1474777.62	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 29	ELEC	N: 297713.40 E: 1476150.79	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 30	ELEC	N: 297516.45 E: 1476497.73	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 31	ELEC	N: 296903.09 E: 1477223.80	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 32	ELEC	N: 296174.04 E: 1478360.76	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 33	ELEC	N: 296078.93 E: 1478507.56	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 34	ELEC	N: 295528.32 E: 1479371.43	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 35	ELEC	N: 295352.73 E: 1479633.33	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 36	NOT USED	–	–
TEST PIT 37	ELEC	N: 303561.01 E: 1453431.35	IF NO UTILITY IS FOUND TEST PIT TO 8-FT
TEST PIT 38	ELEC	N: 295332.84 E: 1479642.00	IF NO UTILITY IS FOUND TEST PIT TO 8-FT

TEST PIT DATA			
TEST PIT ID	UTILITY TYPE	NORTHING/EASTING	ADDITIONAL NOTES
Z-CUT-1A	–	N: 304812.76 E: 1453417.17	MULTIPLE UTILITIES
Z-CUT-2A	–	N: 304906.44 E: 1453493.29	MULTIPLE UTILITIES
Z-CUT-3A	–	N: 304965.92 E: 1453717.47	PROPOSED VAULT LOCATION
Z-CUT-4A	–	N: 306126.73 E: 1455599.55	PROPOSED VAULT LOCATION
Z-CUT-5A	–	N: 305691.41 E: 1457482.32	PROPOSED VAULT LOCATION
Z-CUT-6A	–	N: 305598.04 E: 1457306.02	PROPOSED VAULT LOCATION

TEST PIT DATA			
TEST PIT ID	UTILITY TYPE	NORTHING/EASTING	ADDITIONAL NOTES
Z-CUT-1B	–	N: 304835.81 E: 1453436.92	MULTIPLE UTILITIES
Z-CUT-2B	–	N: 304905.12 E: 1453467.74	MULTIPLE UTILITIES
Z-CUT-3B	–	N: 304945.61 E: 1453695.01	PROPOSED VAULT LOCATION
Z-CUT-4B	–	N: 306098.20 E: 1455593.20	PROPOSED VAULT LOCATION
Z-CUT-5B	–	N: 305693.43 E: 1457510.33	PROPOSED VAULT LOCATION
Z-CUT-6B	–	N: 305594.90 E: 1457328.19	PROPOSED VAULT LOCATION

JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

ISSUED FOR CONSTRUCTION

REV.	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
B	03/01/2024	IFC FOR PERMITTING	JAS	JRC	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

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

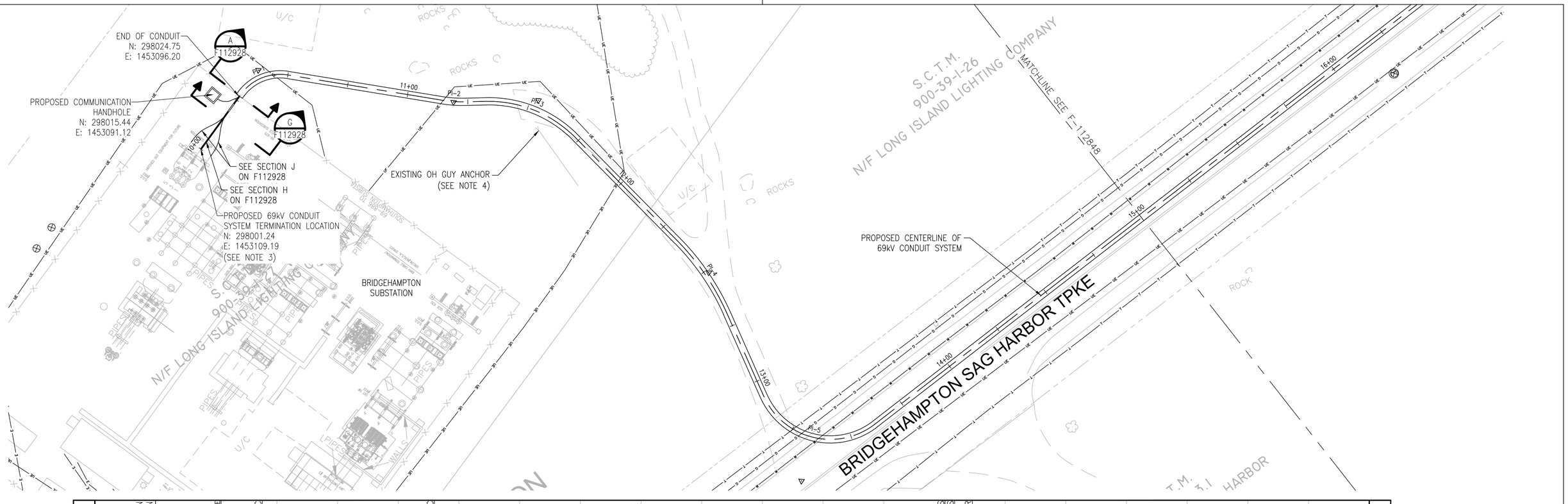
Long Island Power Authority
EAST HAMPTON, NEW YORK

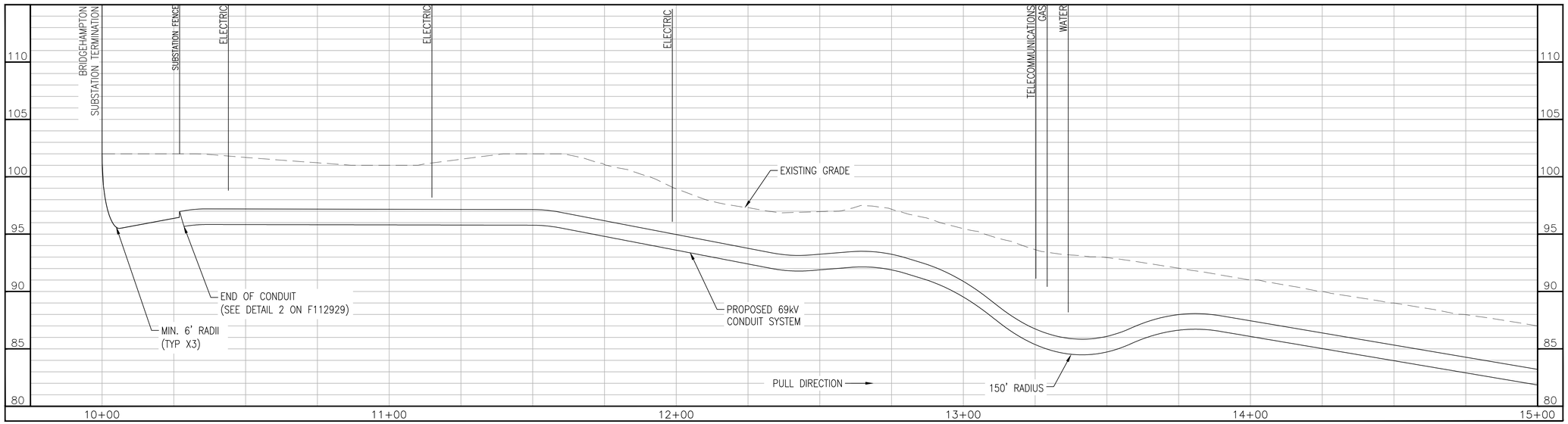
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69-kV UNDERGROUND TRANSMISSION
DATA TABLE SHEET 2 OF 2

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

SCALE: NONE
VENDOR DWG. NO.:
DRAWING NO.: F-112846
SMART NO.: –
REVISION: 0
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844, GENERAL NOTES COMMENT NUMBER 10.
3. LOCATION OF TERMINATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FINAL LOCATION OF TERMINATIONS WITH PSEG LONG ISLAND. SEE F112930 FOR TERMINATION STRUCTURE DETAILS.
4. EXISTING OVERHEAD POLE GUY ANCHOR, SPECIFIC CLEARANCES FROM EXISTING ANCHOR TO BE COORDINATED IN SUBSEQUENT STAGES OF DESIGN.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 1 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.

DRAWING NO. F-112847
SMART NO. –
REVISION 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.

.T.M.
59-I-26
LIGHTING COMPANY

MATCHLINE SEE F-112847

MATCHLINE SEE F-112849

PROPOSED CENTERLINE OF
69kV CONDUIT SYSTEM

15+00 16+00 17+00 18+00 19+00 20+00

A
F112928

BRIDGEHAMPTON SAG HARBOR TPKE

ROCK

15" PLASTIC

GRATE ELEV. = 76.80'
INV ELEV. OF 15" PLASTIC = 72.59'

GRATE ELEV. = 76.28'
INV ELEV. OF 15" PLASTIC =

95 90 85 80 75 70 65

EXISTING GRADE

PROPOSED 69kV
CONDUIT SYSTEM

PULL DIRECTION →

15+00 16+00 17+00 18+00 19+00 20+00

NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

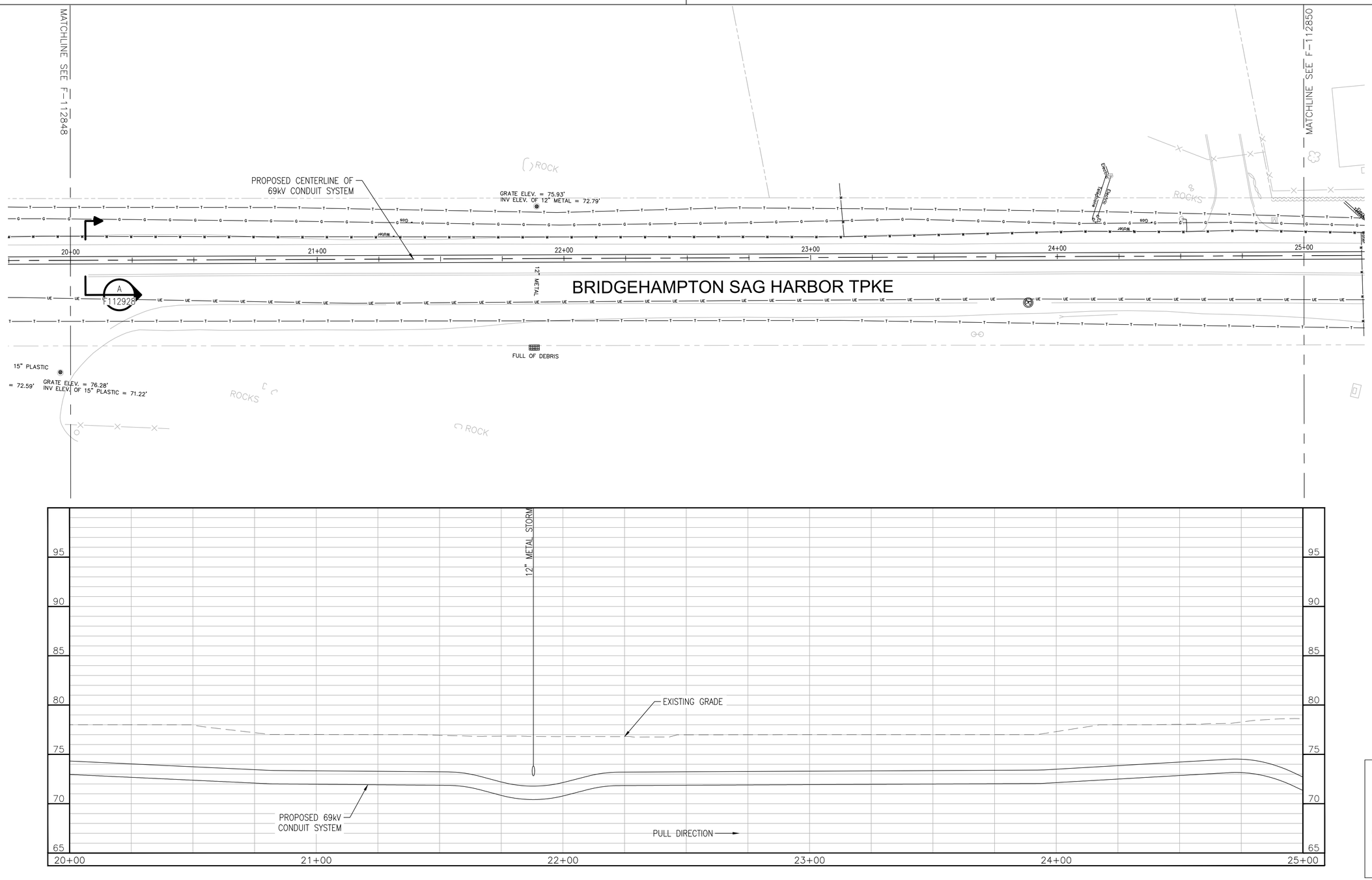
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 2 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112848
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

ISSUE

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

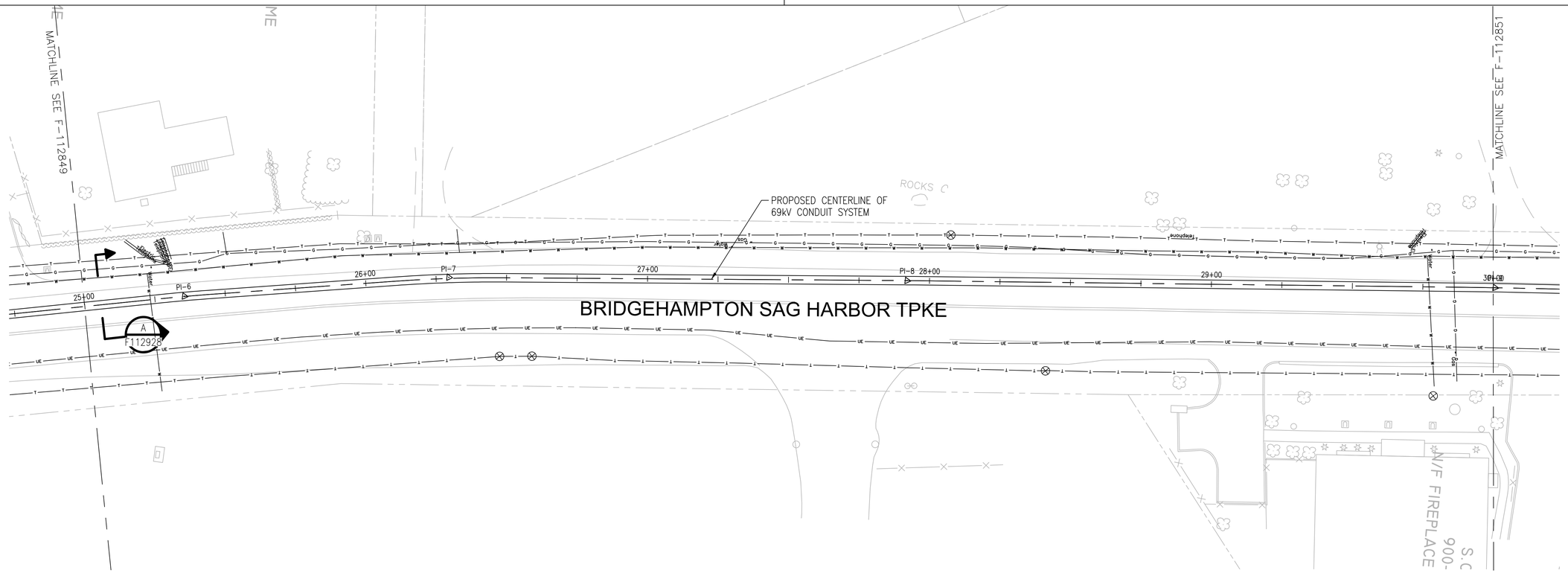
Long Island Power Authority
EAST HAMPTON, NEW YORK

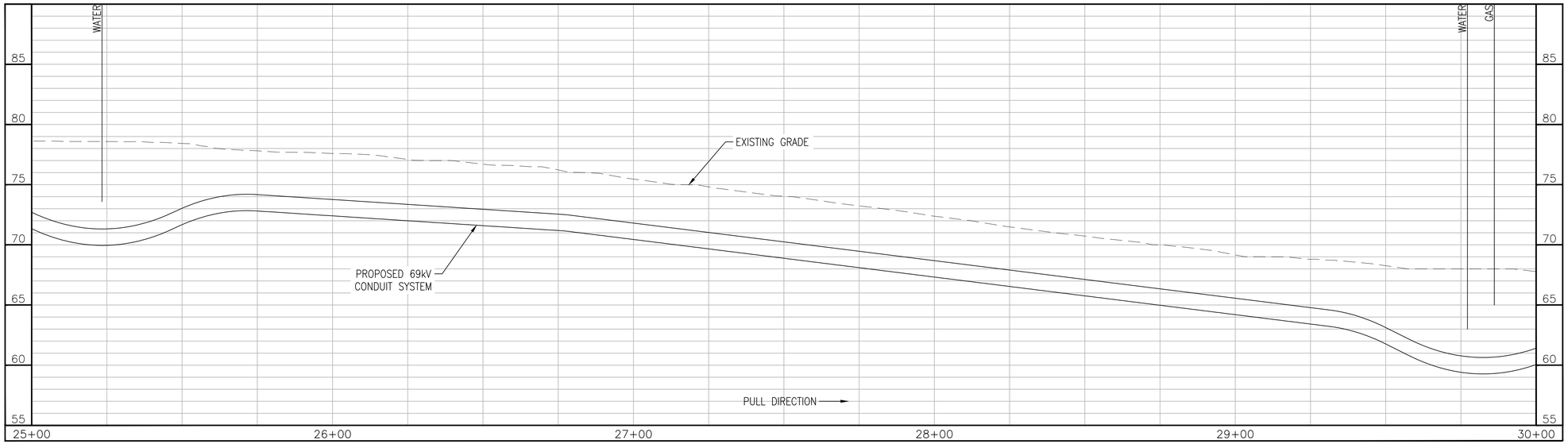
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 3 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112849
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

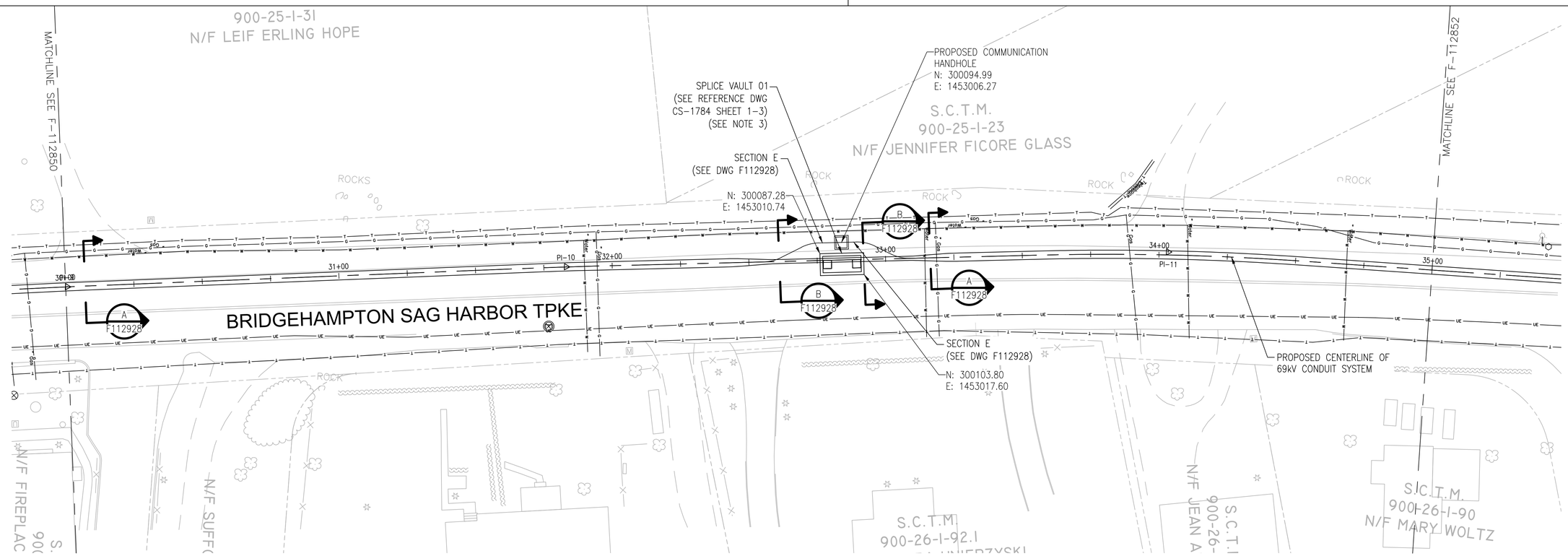
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 4 OF 80

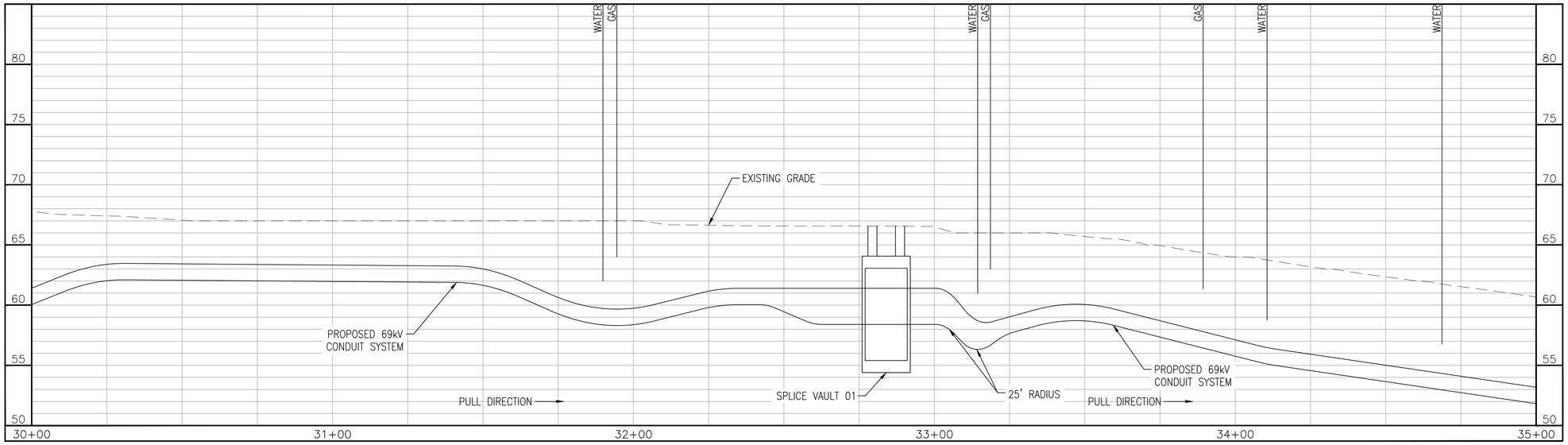
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112850
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

ISSUE

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

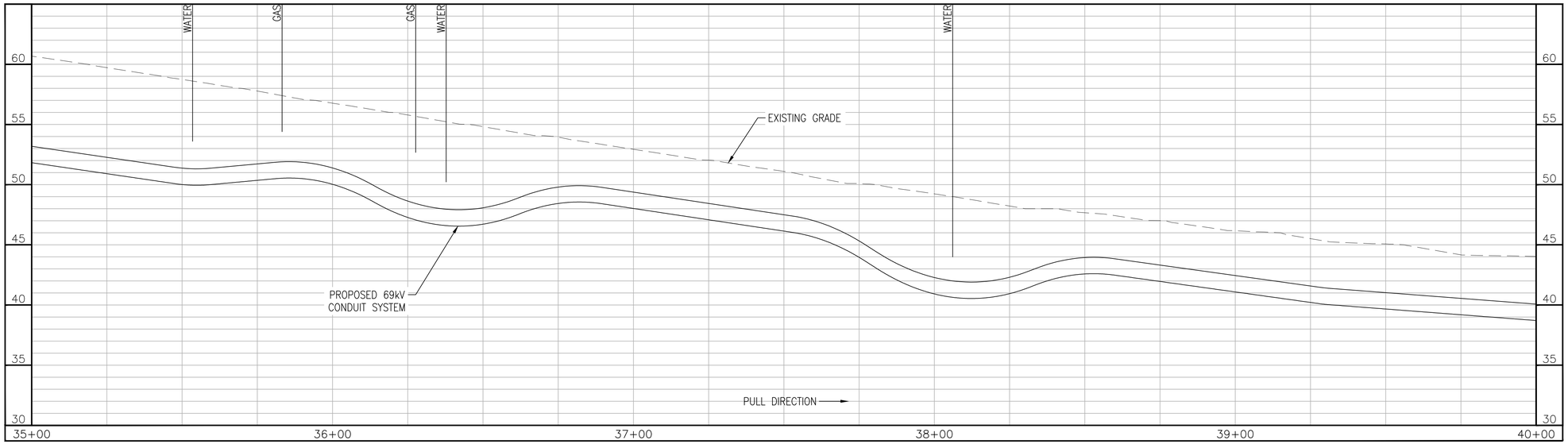
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 5 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112851
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

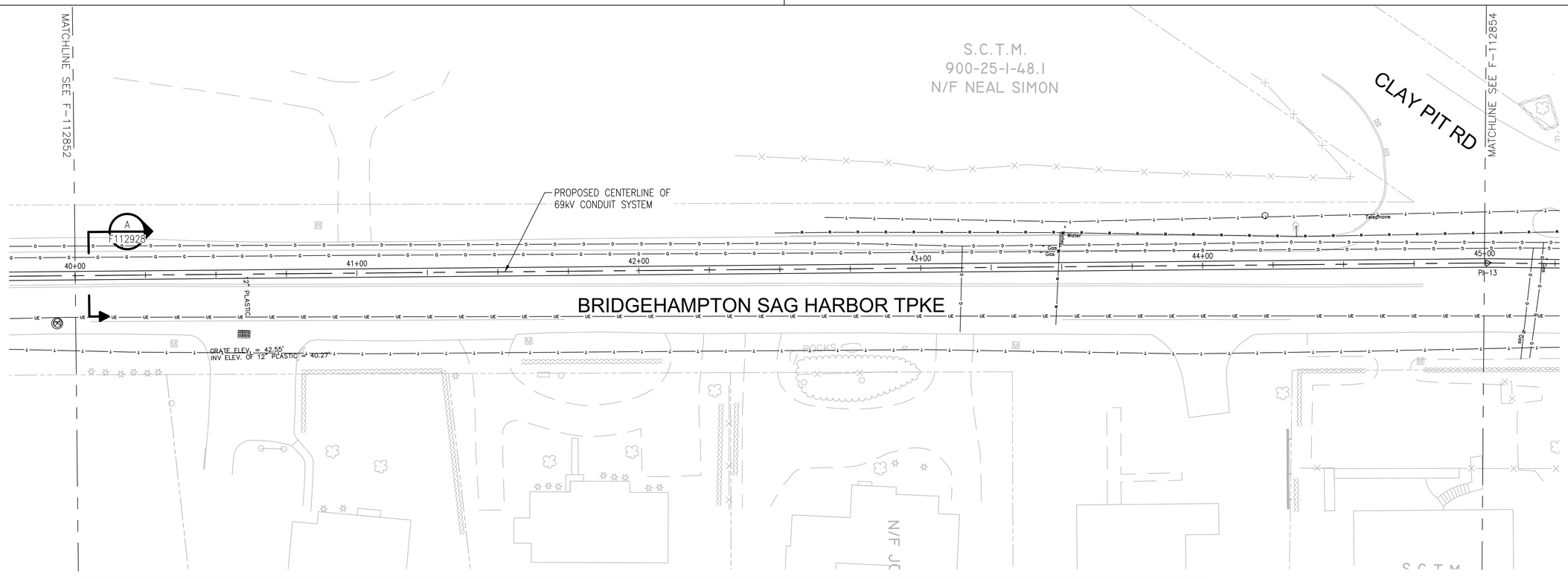
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 6 OF 80

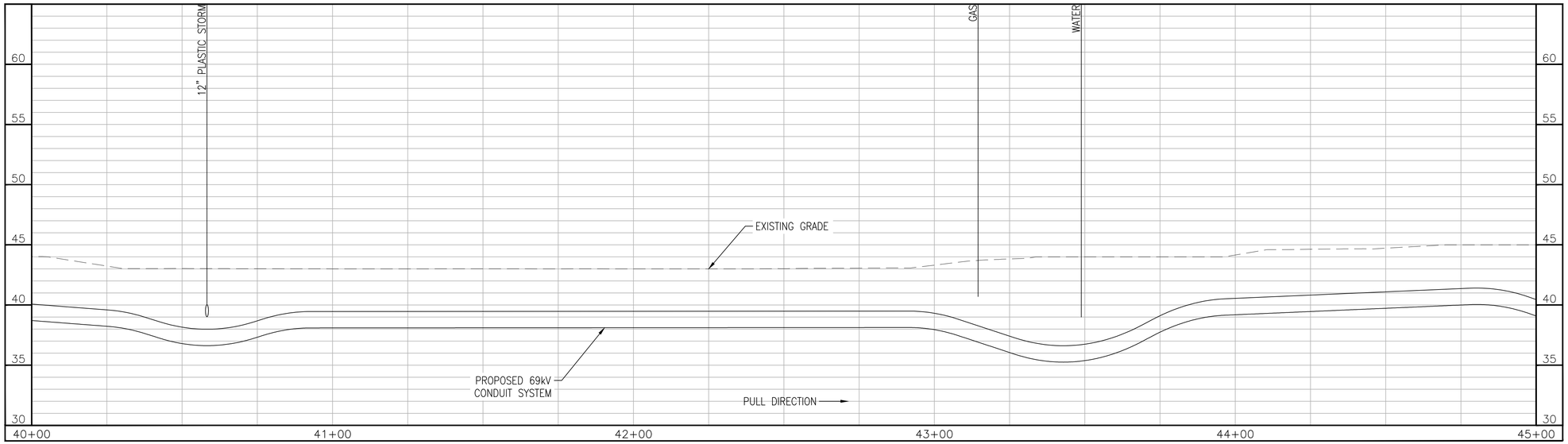
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.

DRAWING NO. F-112852
SMART NO. –
REVISION 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

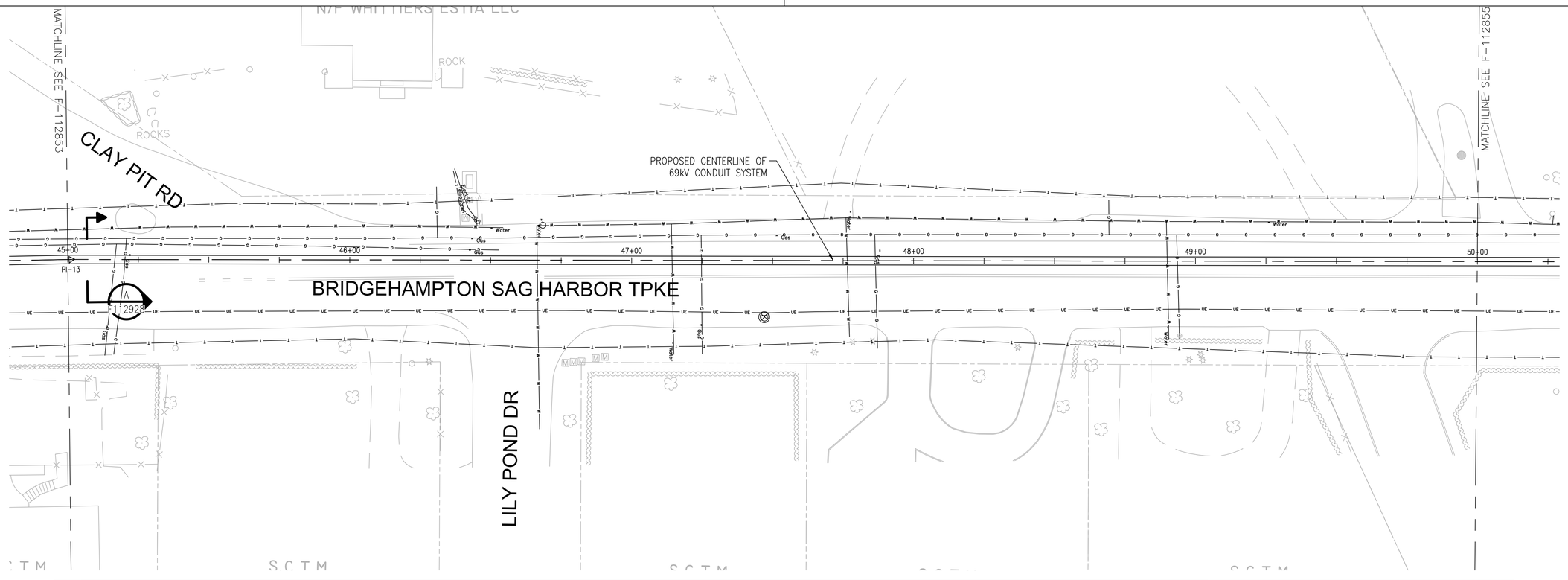
Long Island Power Authority
EAST HAMPTON, NEW YORK

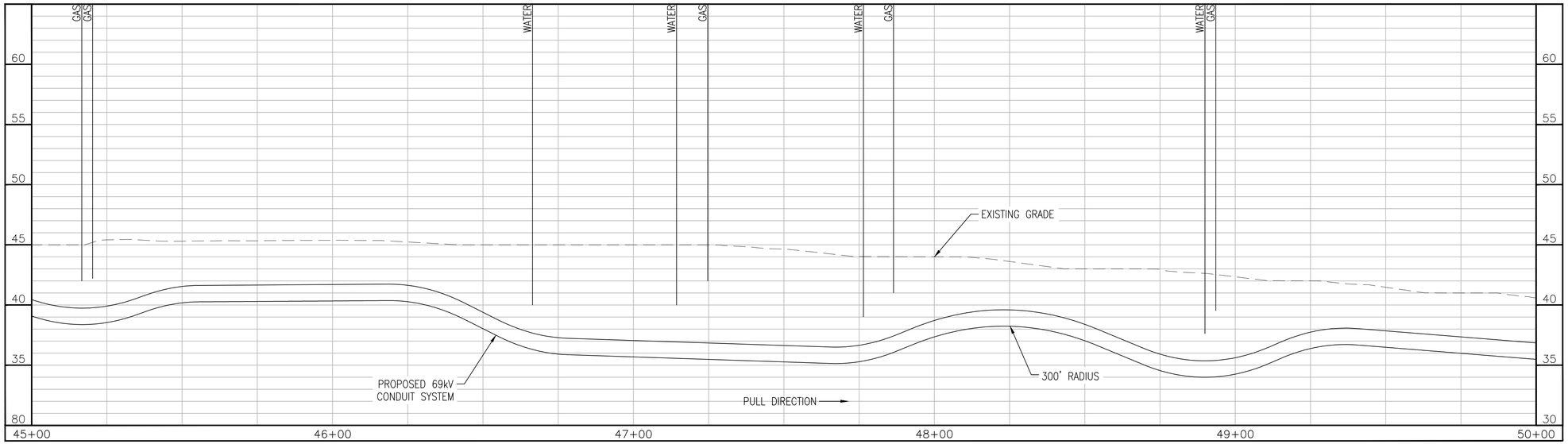
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 7 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112853
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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PER: _____

DATE: _____

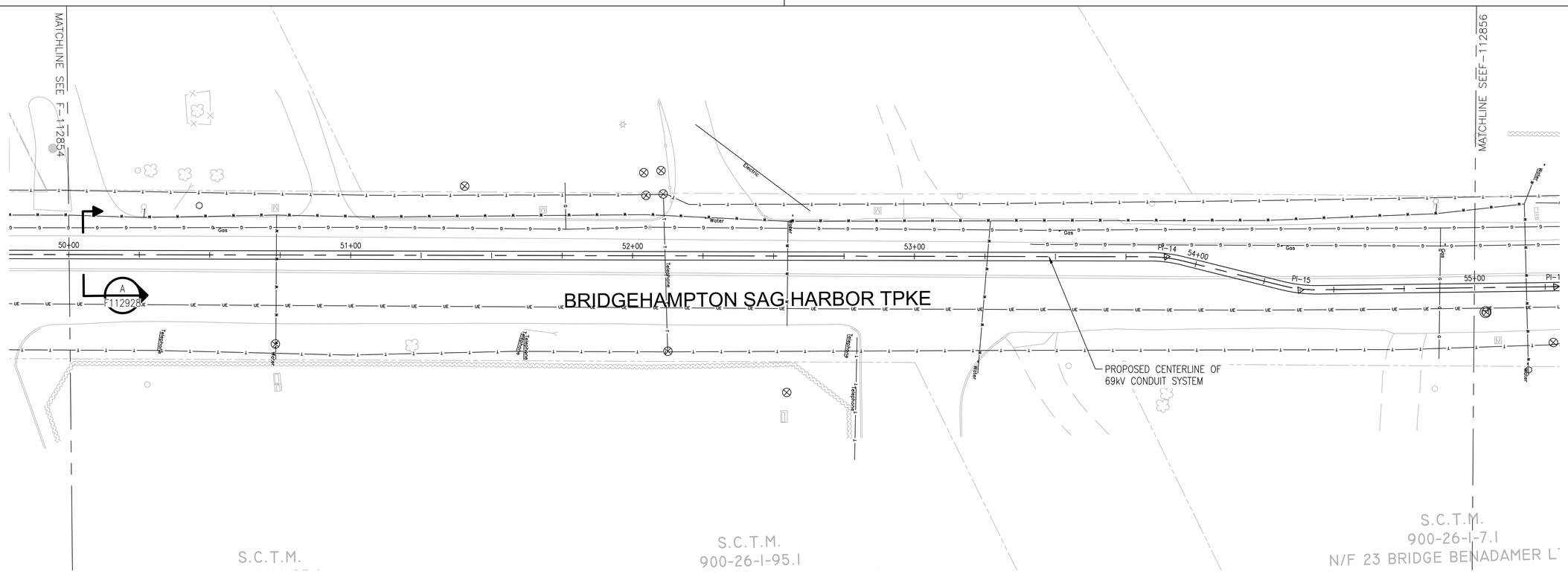
Long Island Power Authority
EAST HAMPTON, NEW YORK

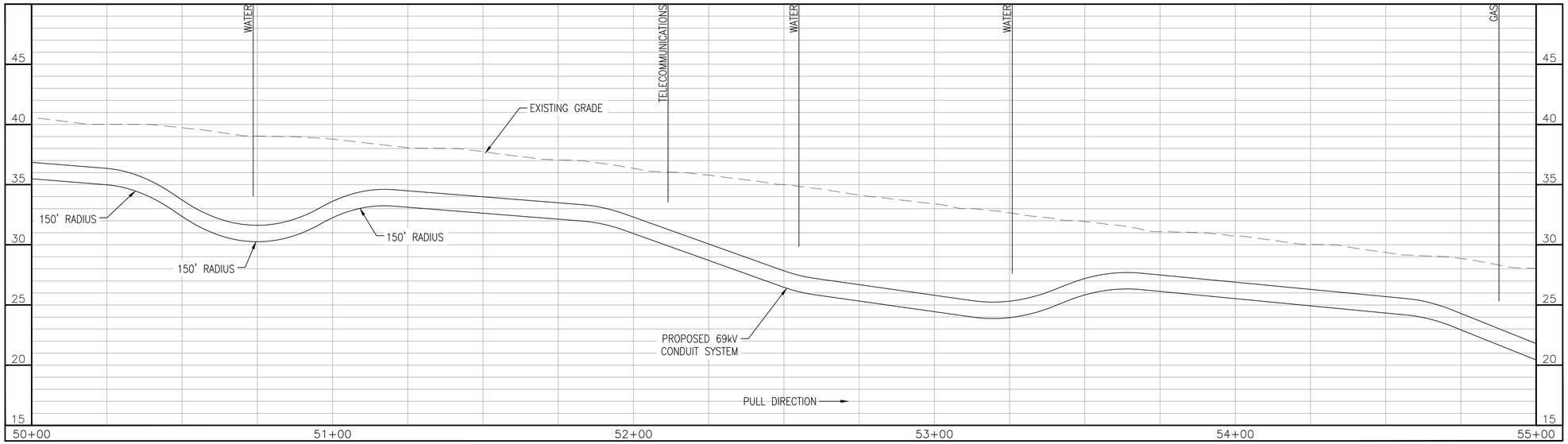
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 8 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112854
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

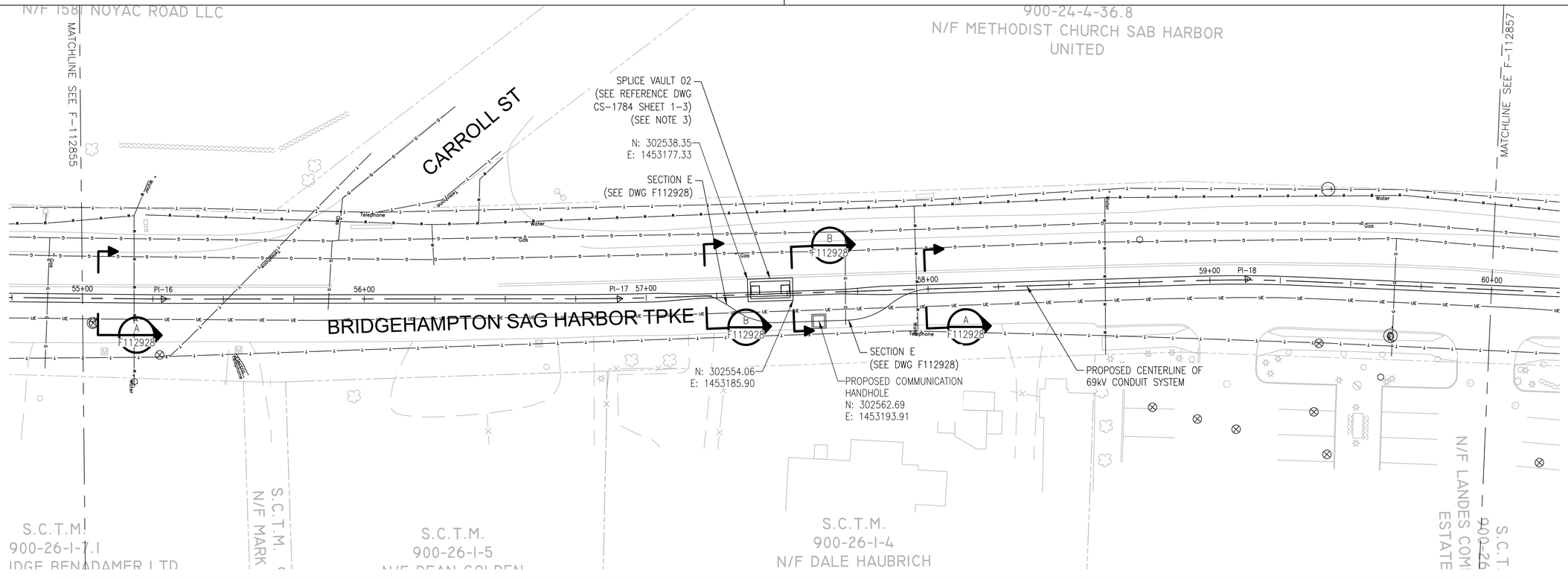
69KV TRANSMISSION LINE

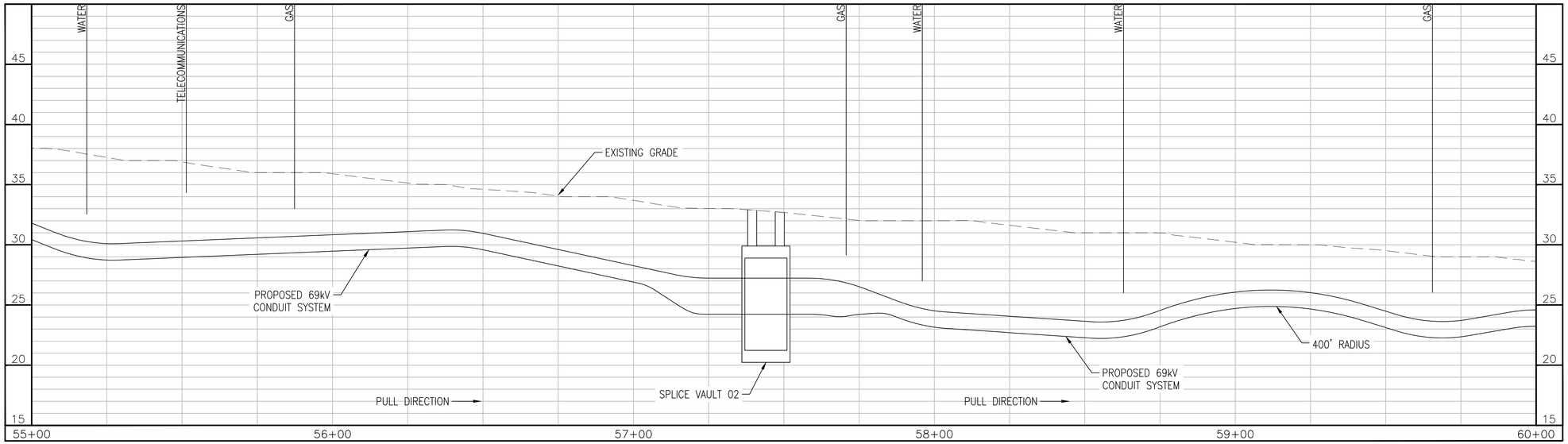
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 9 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112855
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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DAVID A. GOOD
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PER: _____

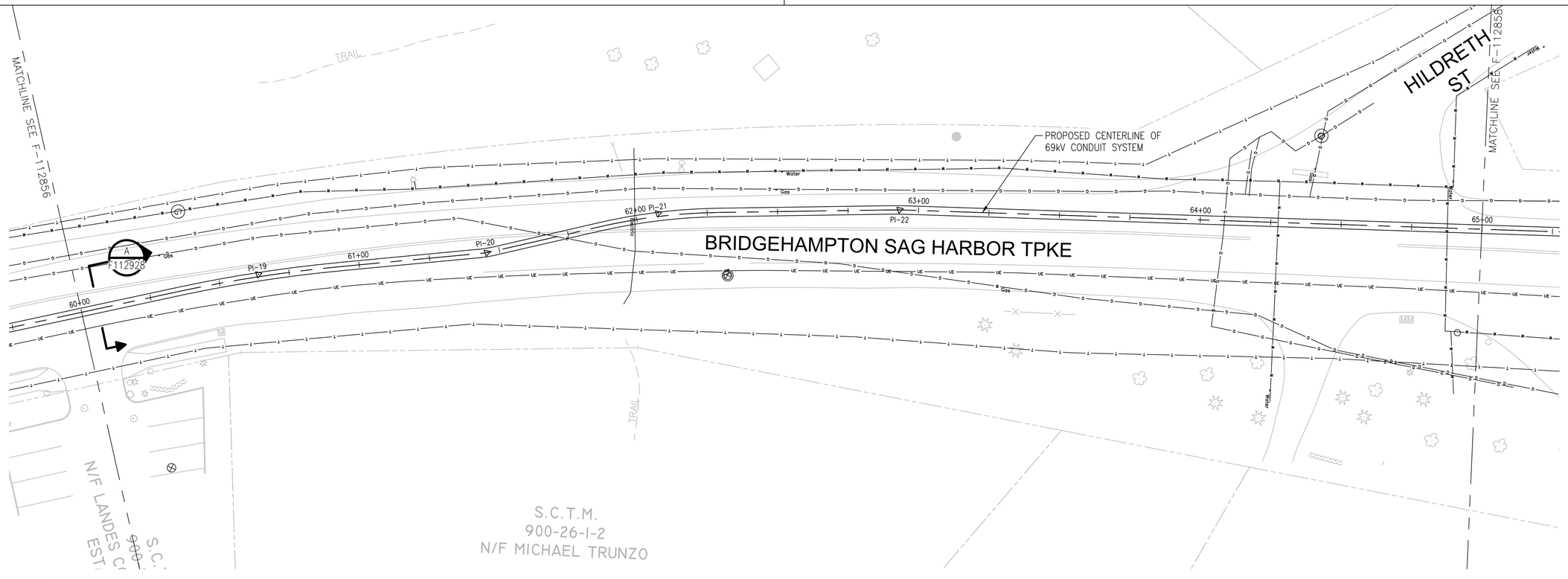
DATE: _____

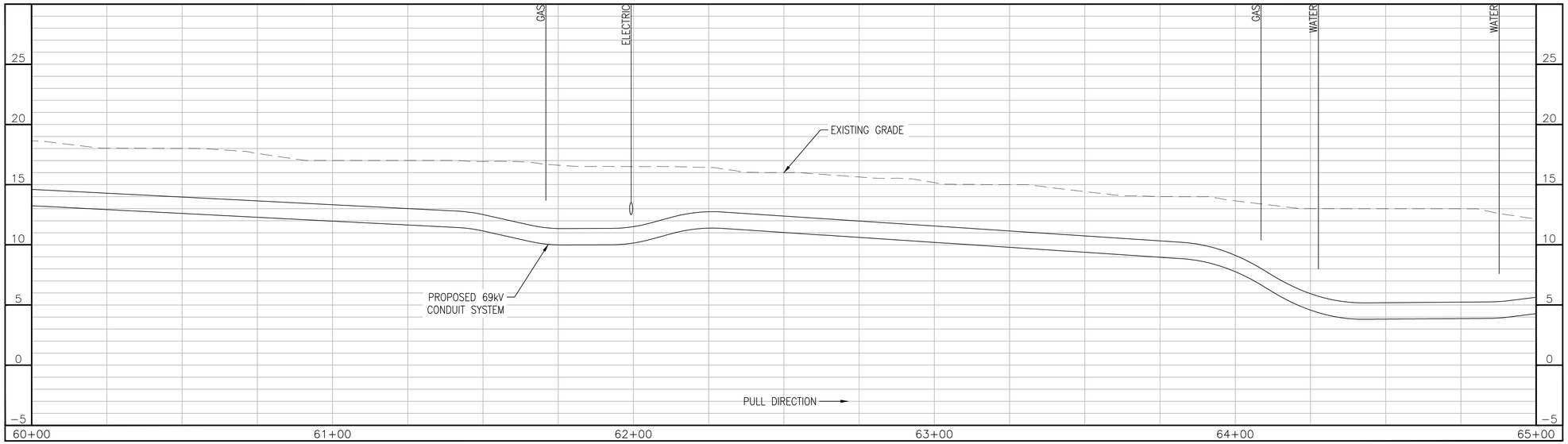
Long Island Power Authority
EAST HAMPTON, NEW YORK
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 10 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112856
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

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DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

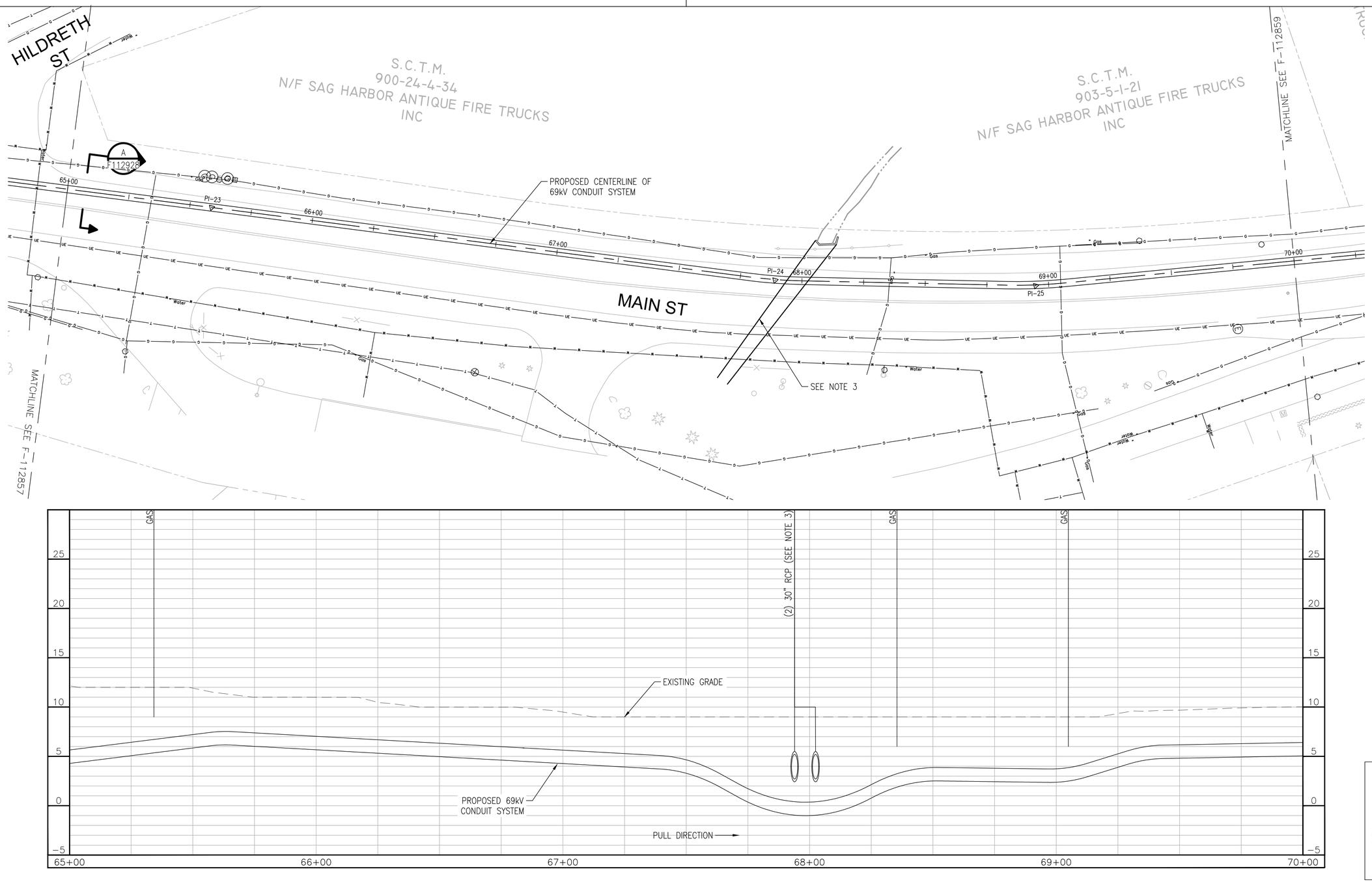
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 11 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112857
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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3. CURRENT SURVEY DOES NOT CAPTURE EXISTING CULVERTS. APPROXIMATELY TWO (2) 30" RCP PIPES. ADDITIONAL FIELD INVESTIGATIONS TO BE COMPLETED BY PSEG LONG ISLAND TO CONFIRM.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

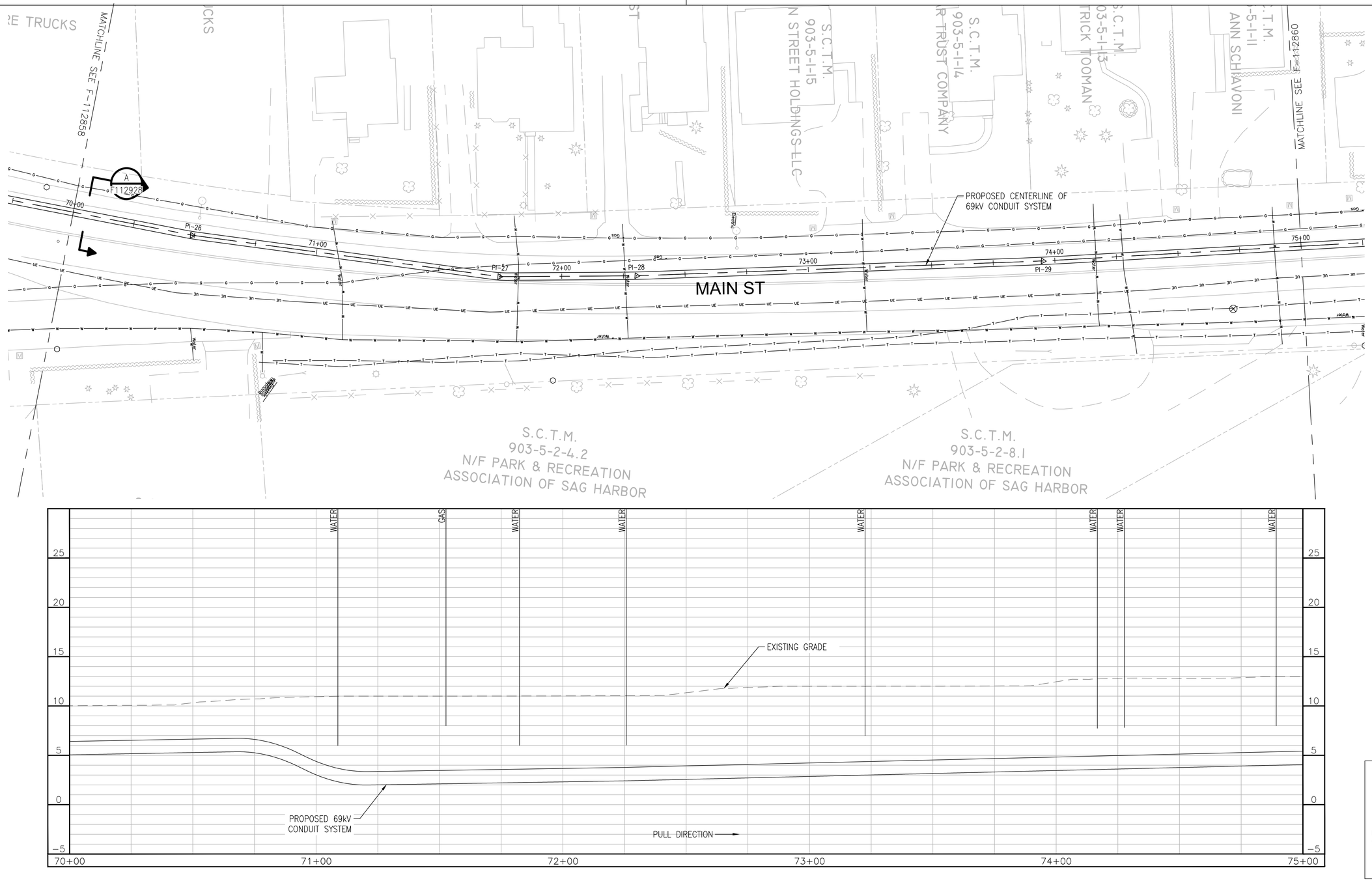
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 12 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112858
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

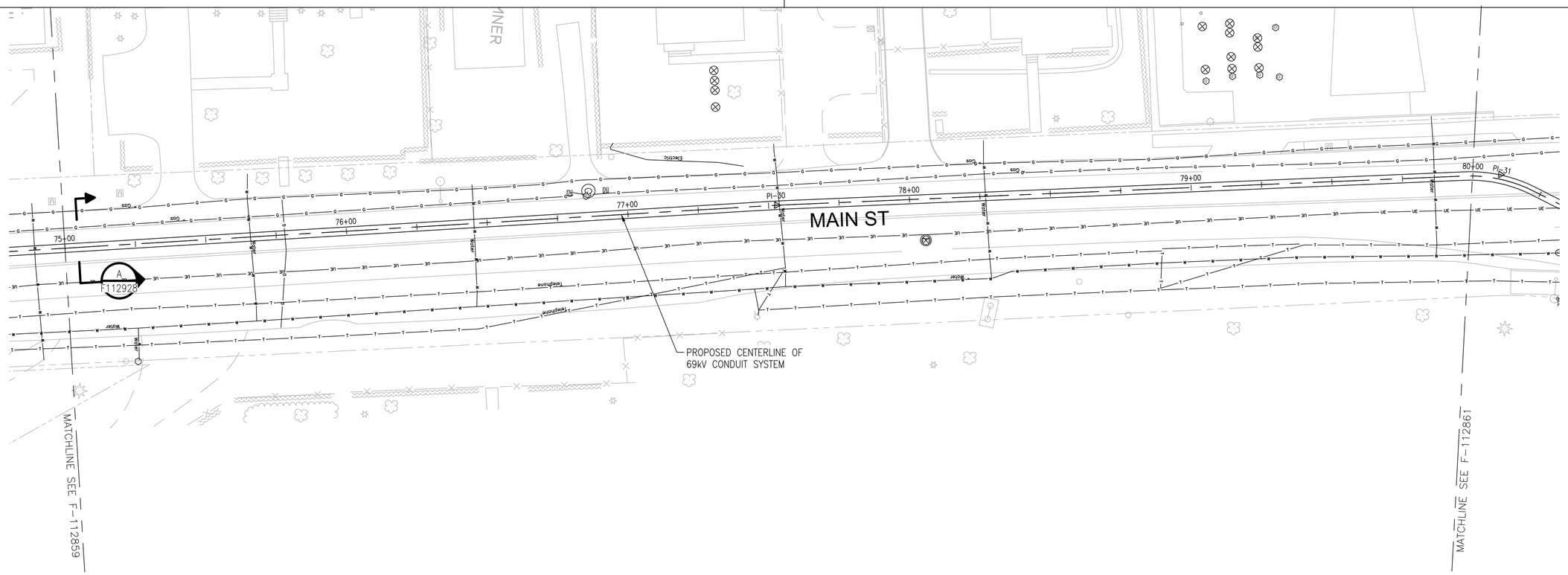
Long Island Power Authority
EAST HAMPTON, NEW YORK

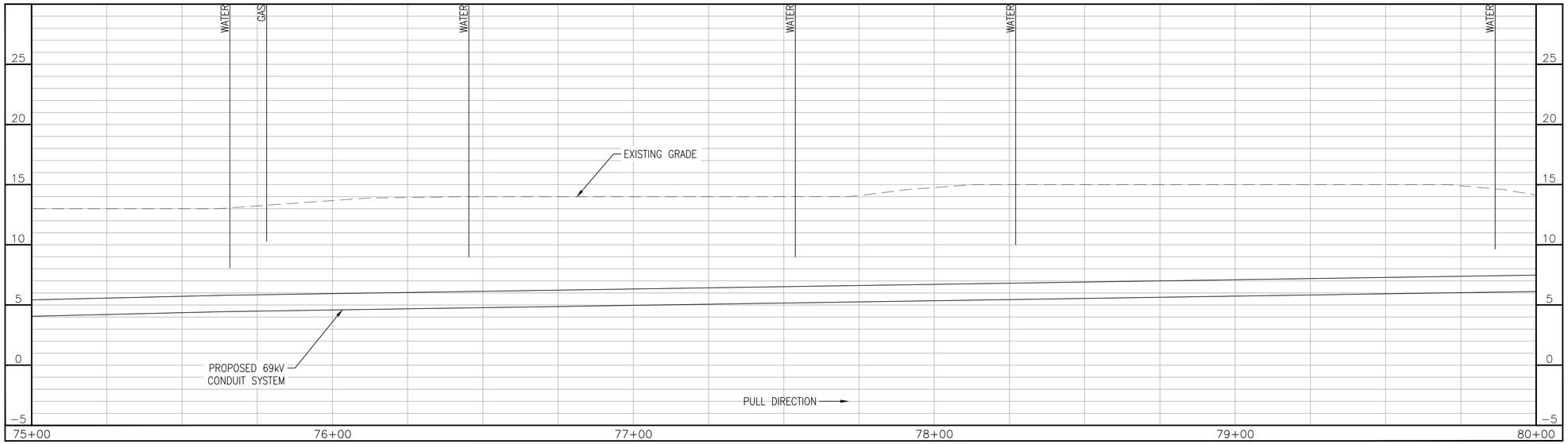
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 13 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112859
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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HORIZONTAL SCALE IN FEET
0 10' 20' 40'

VERTICAL SCALE IN FEET
0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PER: _____

DATE: _____

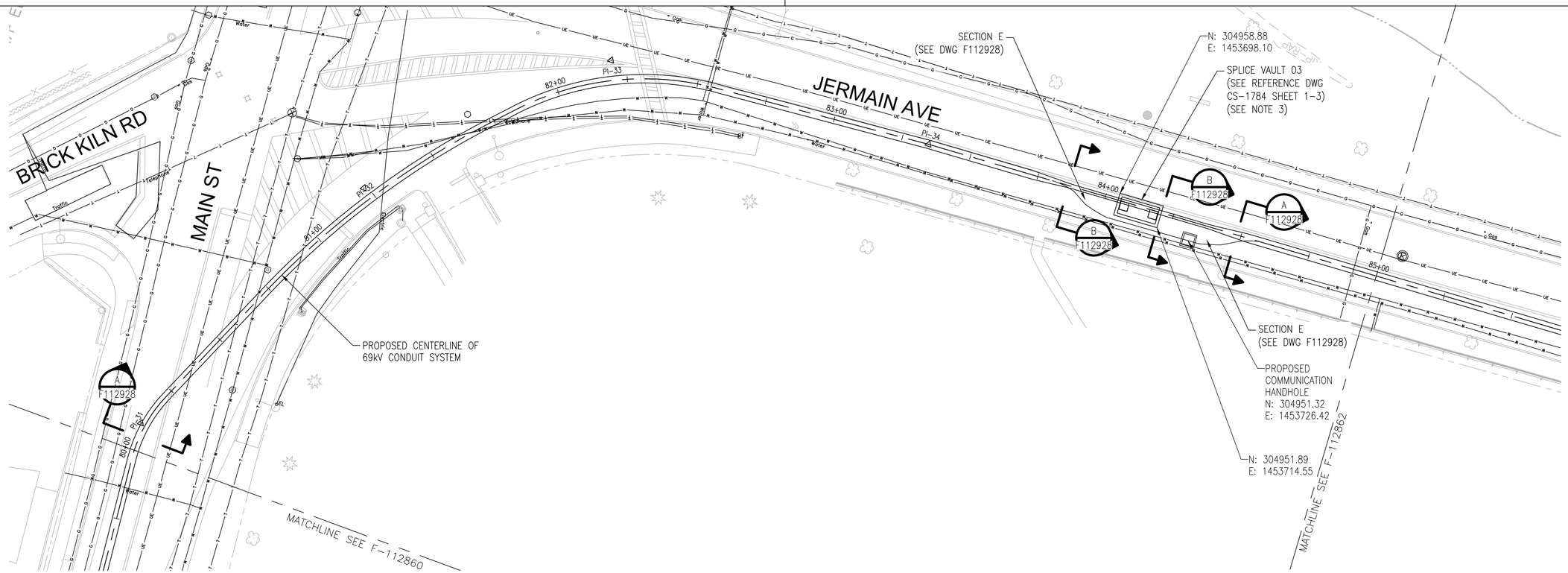
Long Island Power Authority
EAST HAMPTON, NEW YORK

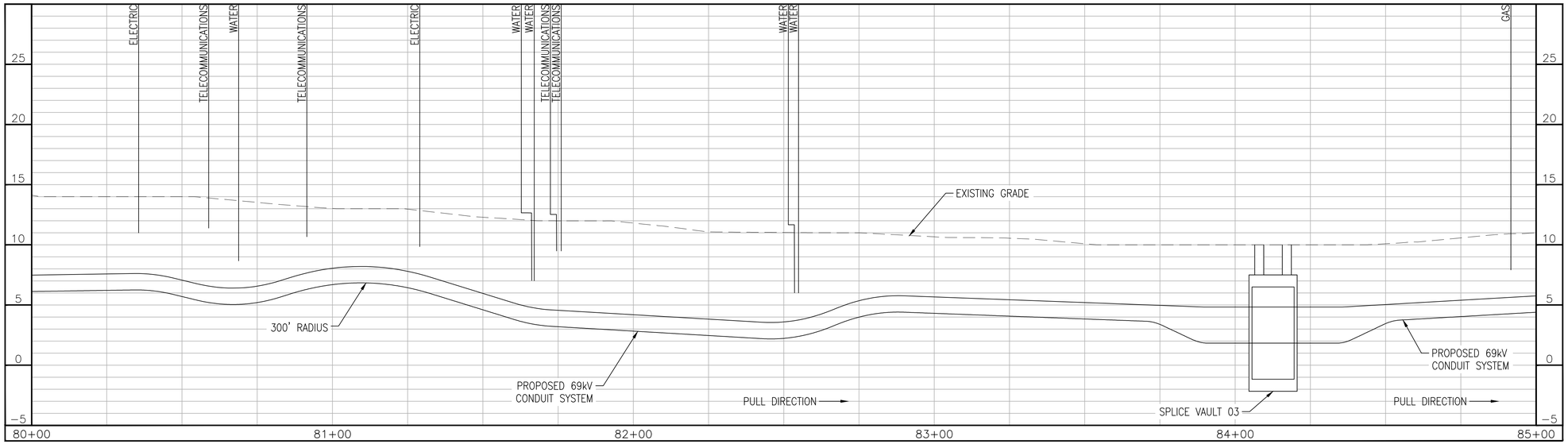
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 14 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112860
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

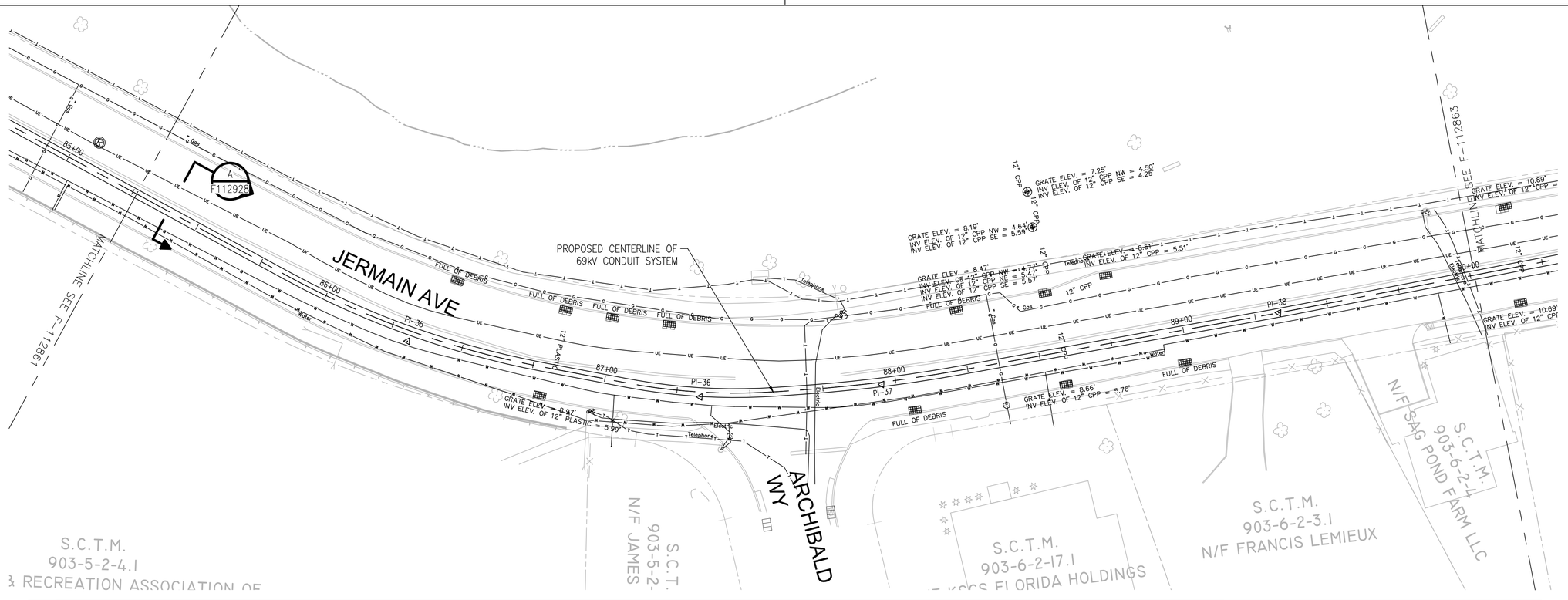
Long Island Power Authority
EAST HAMPTON, NEW YORK

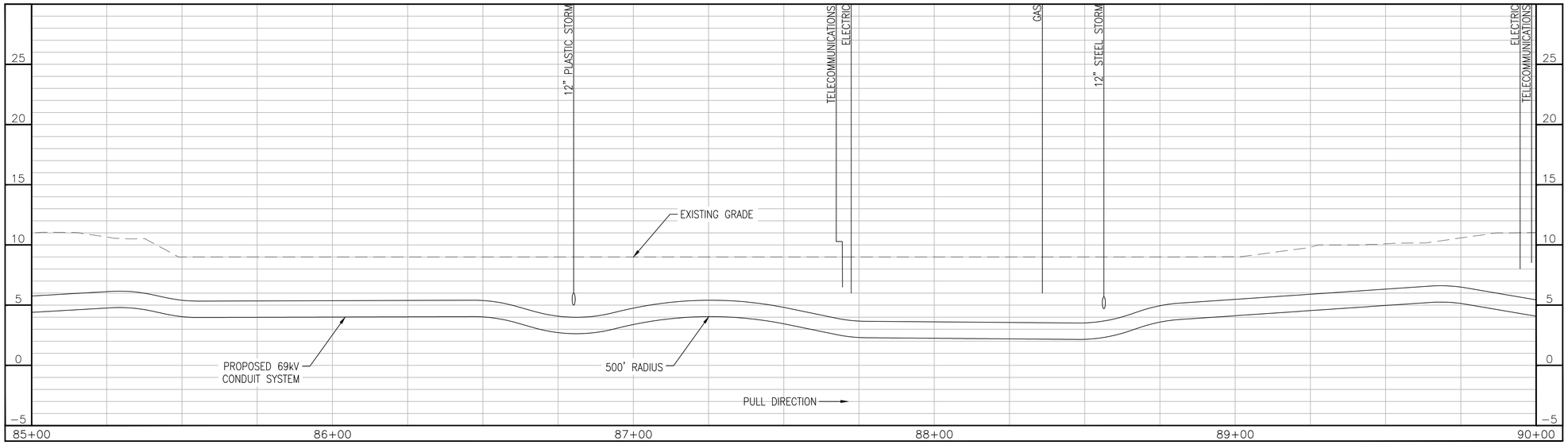
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 15 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112861
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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HORIZONTAL SCALE IN FEET: 0 10' 20' 40'

VERTICAL SCALE IN FEET: 0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER

JUNE 26, 2024

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PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 16 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112862

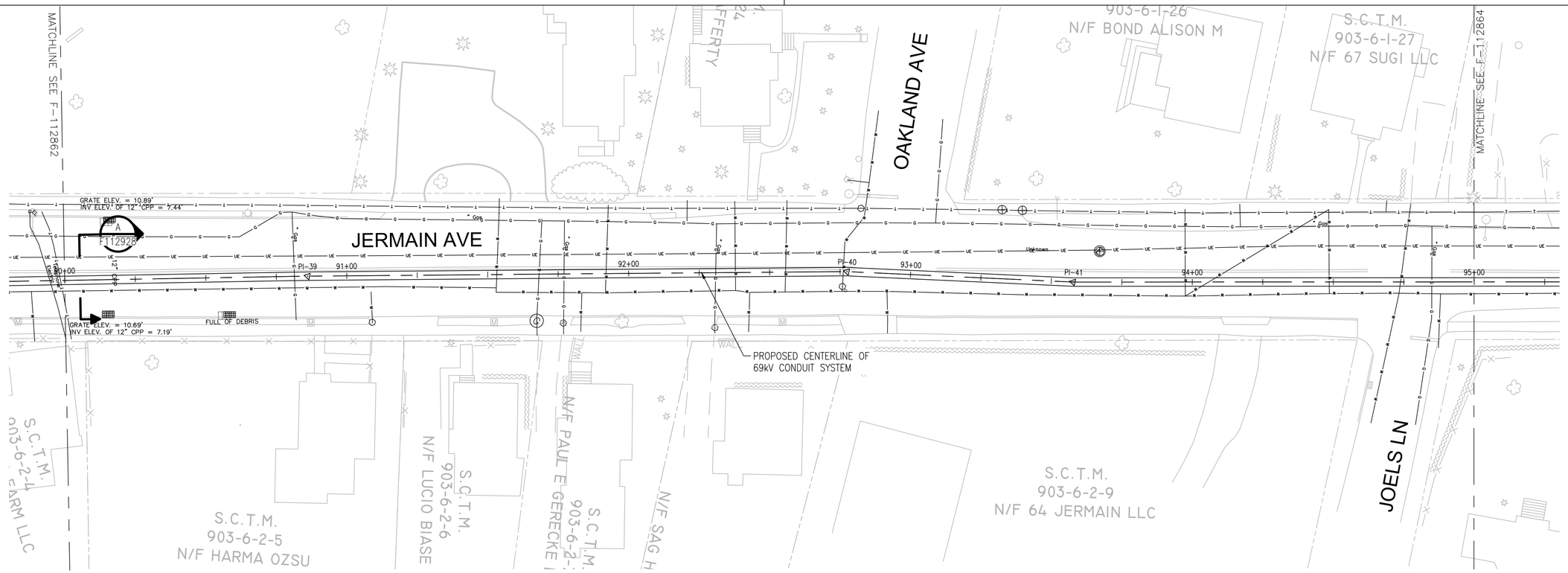
SMART NO. –

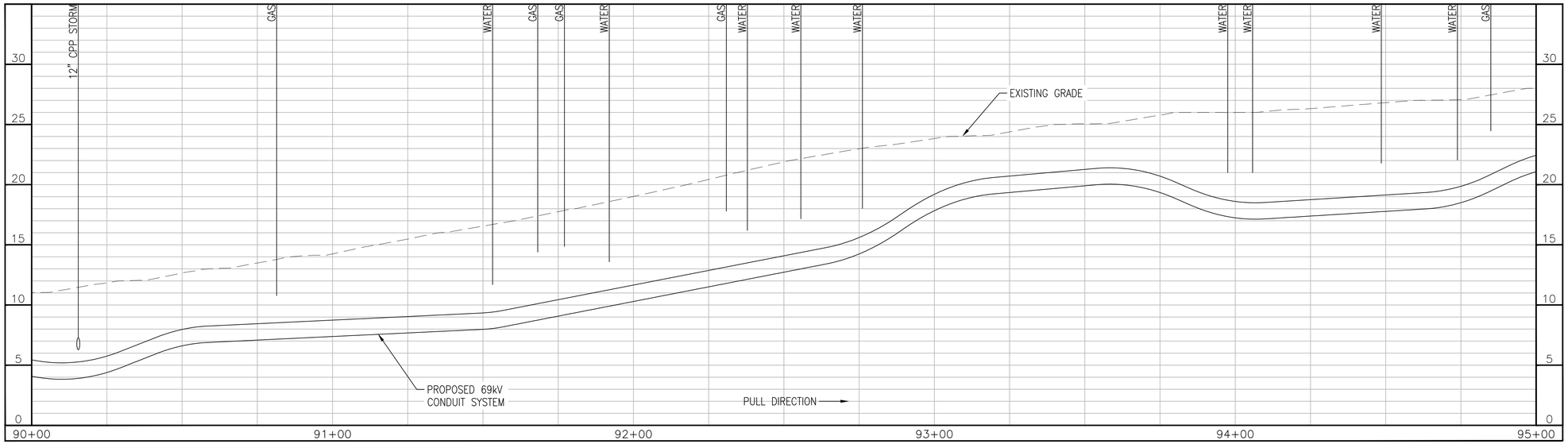
REVISION 1

SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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PER: _____

DATE: _____

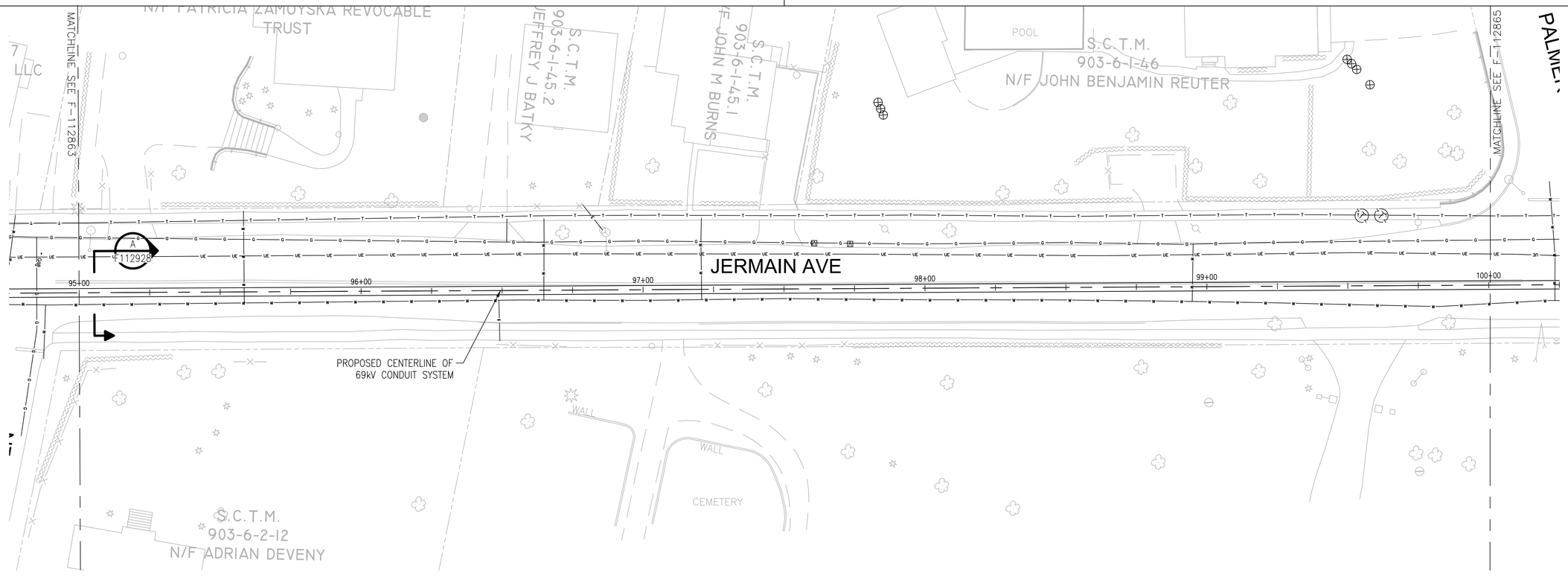
Long Island Power Authority
EAST HAMPTON, NEW YORK

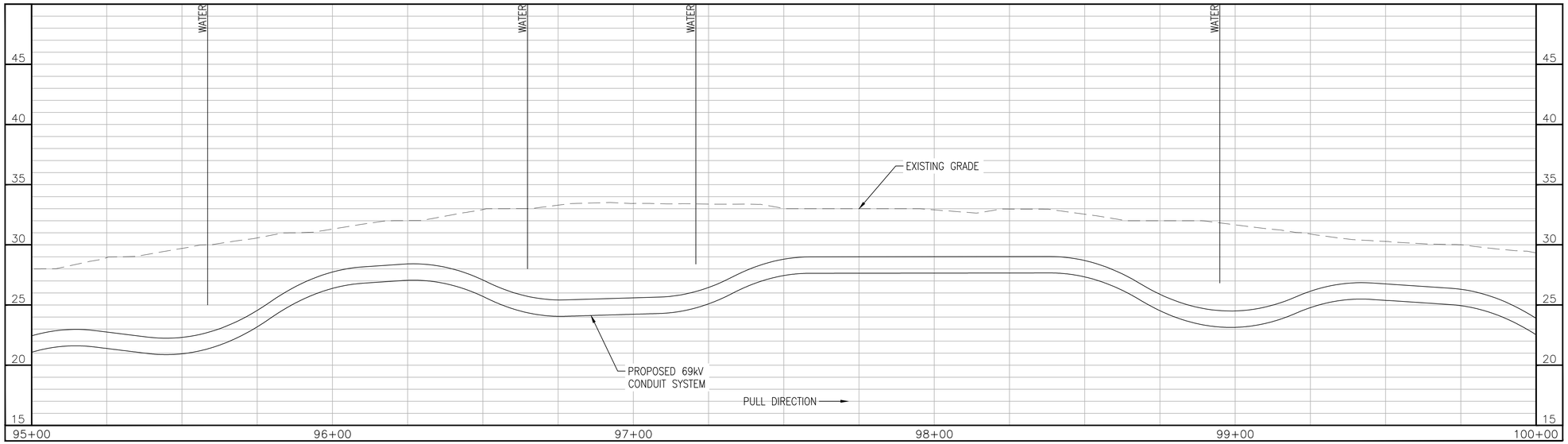
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 17 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112863
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
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LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

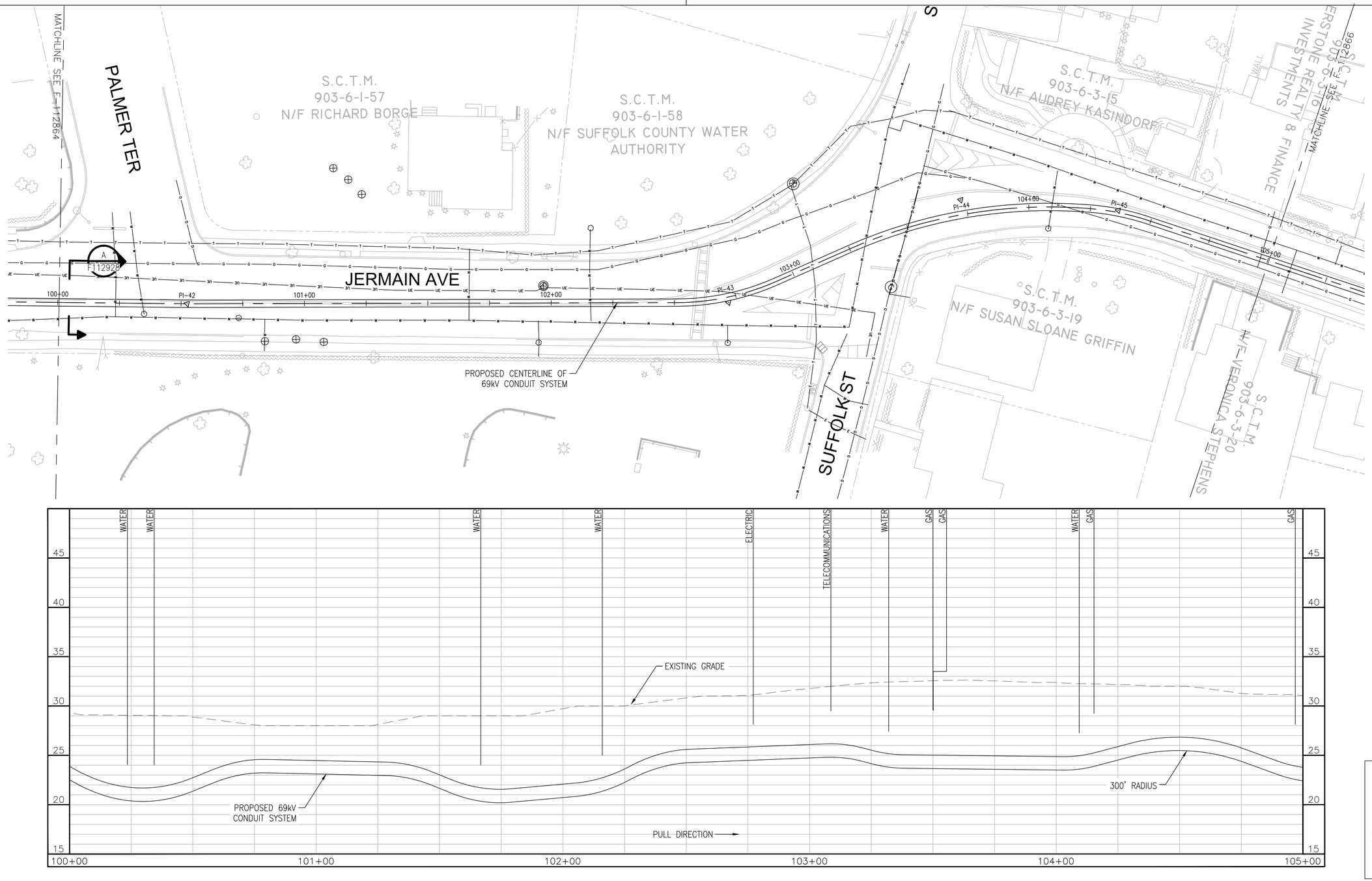
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 18 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.

DRAWING NO. F-112864
SMART NO. –
REVISION 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

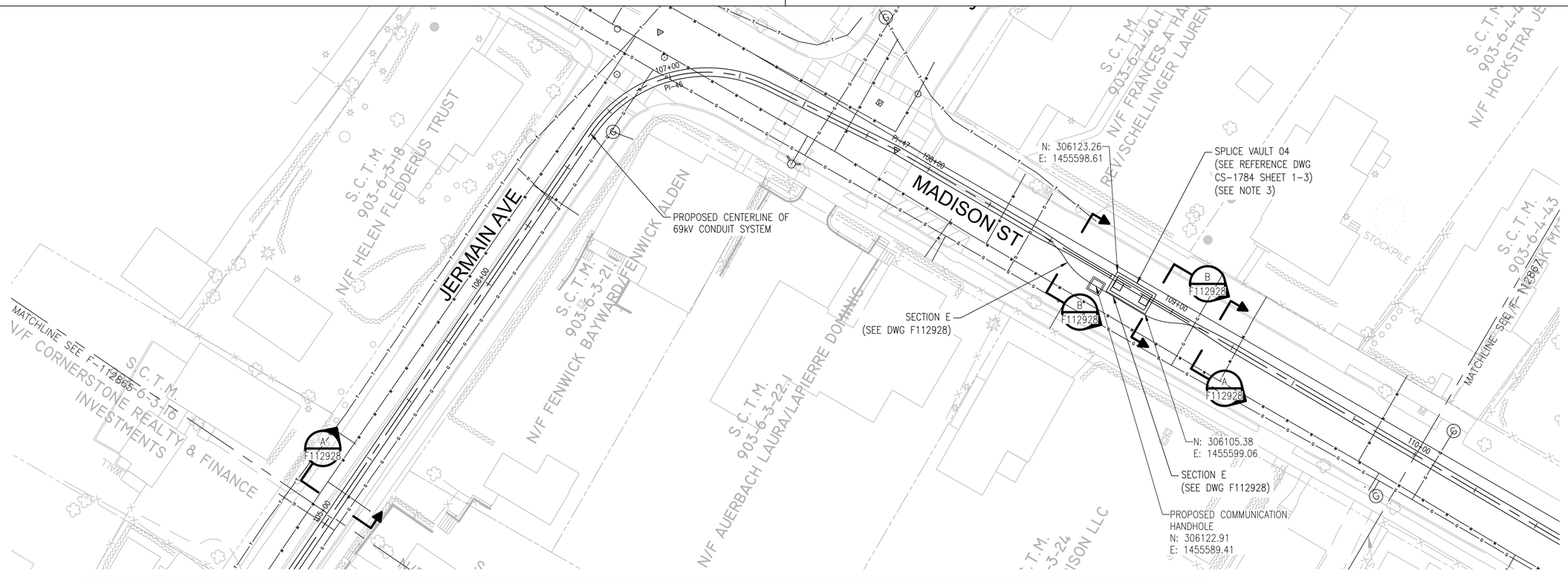
Long Island Power Authority
EAST HAMPTON, NEW YORK

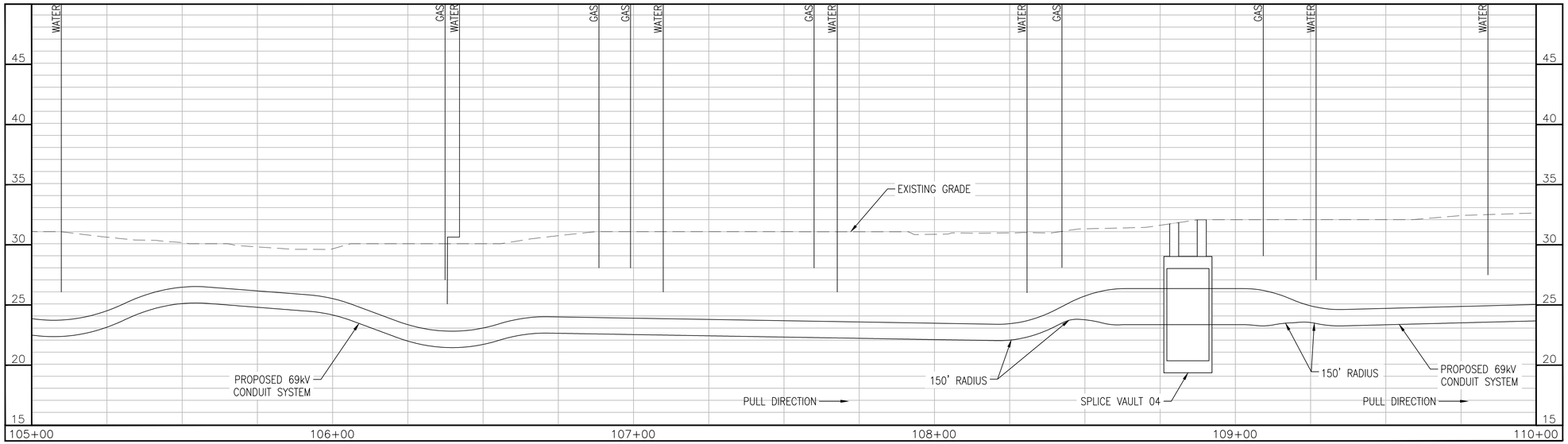
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 19 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112865
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
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STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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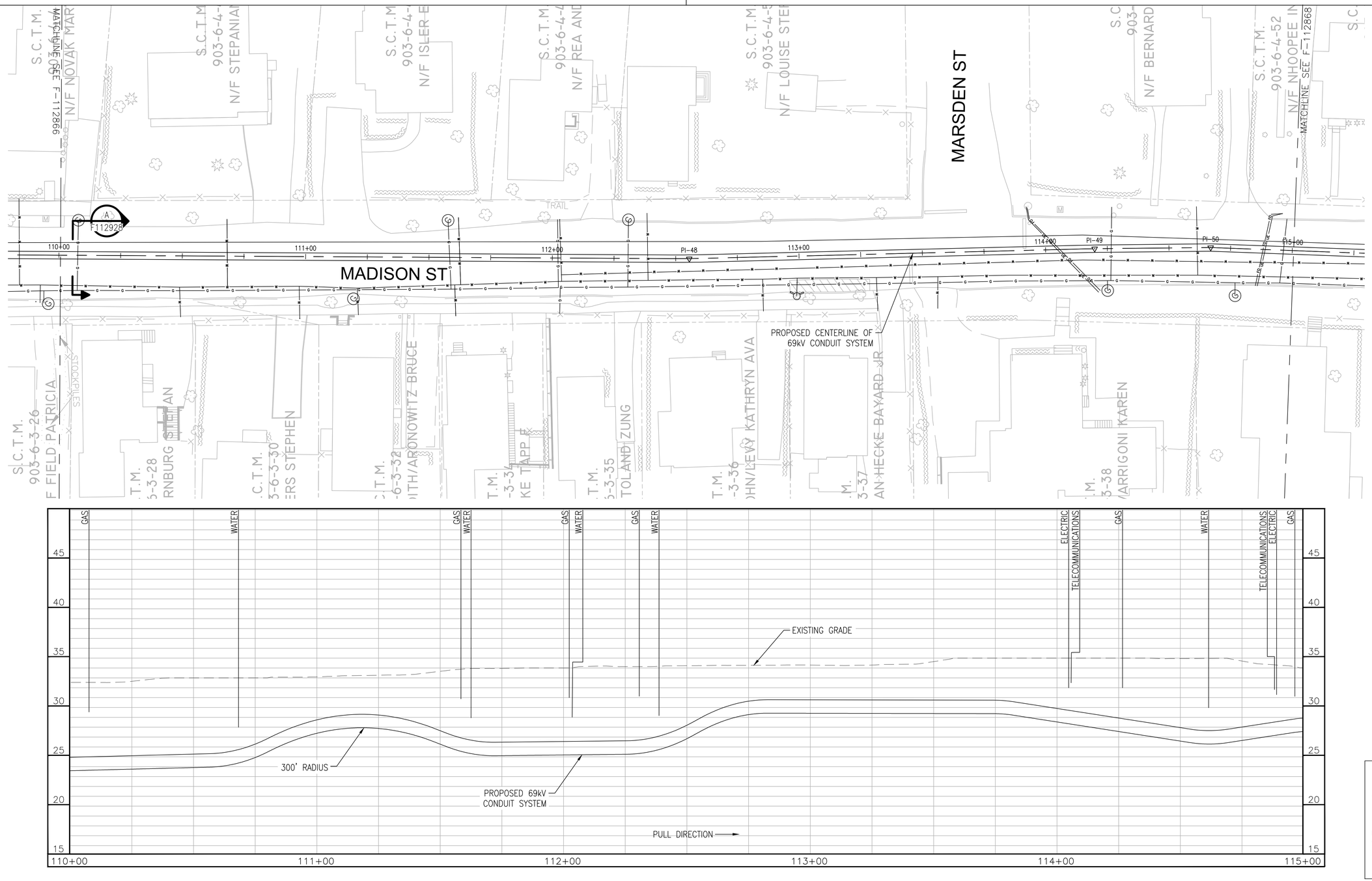
PER: _____
DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 20 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112866
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

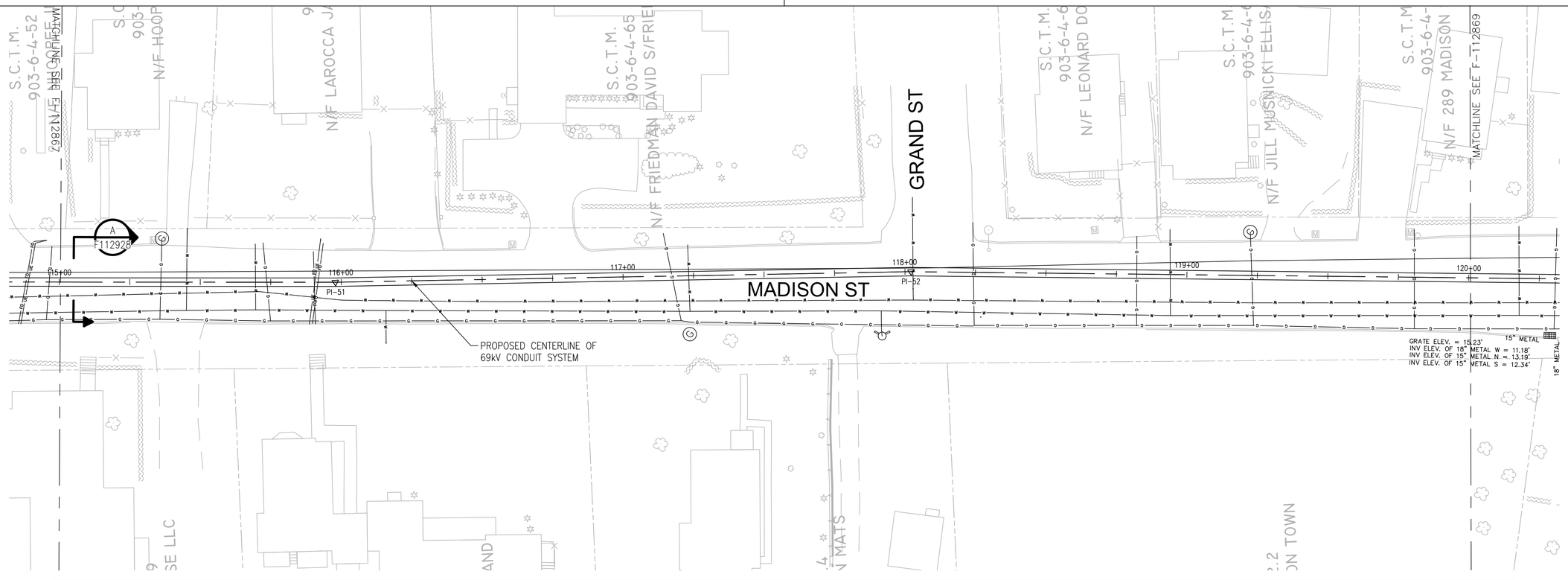
Long Island Power Authority
EAST HAMPTON, NEW YORK

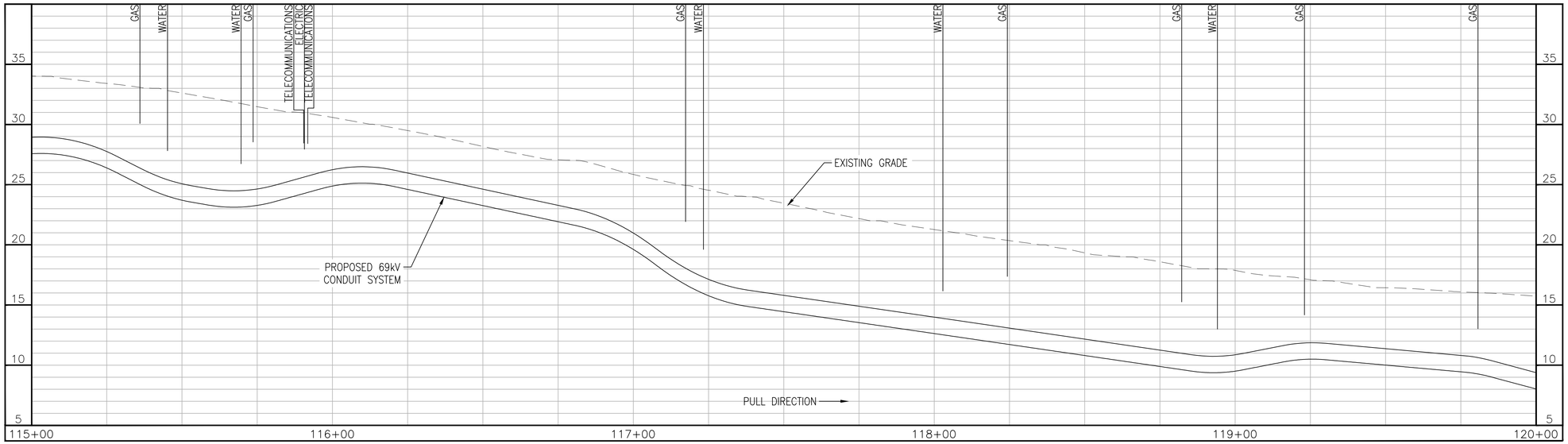
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 21 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112867
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

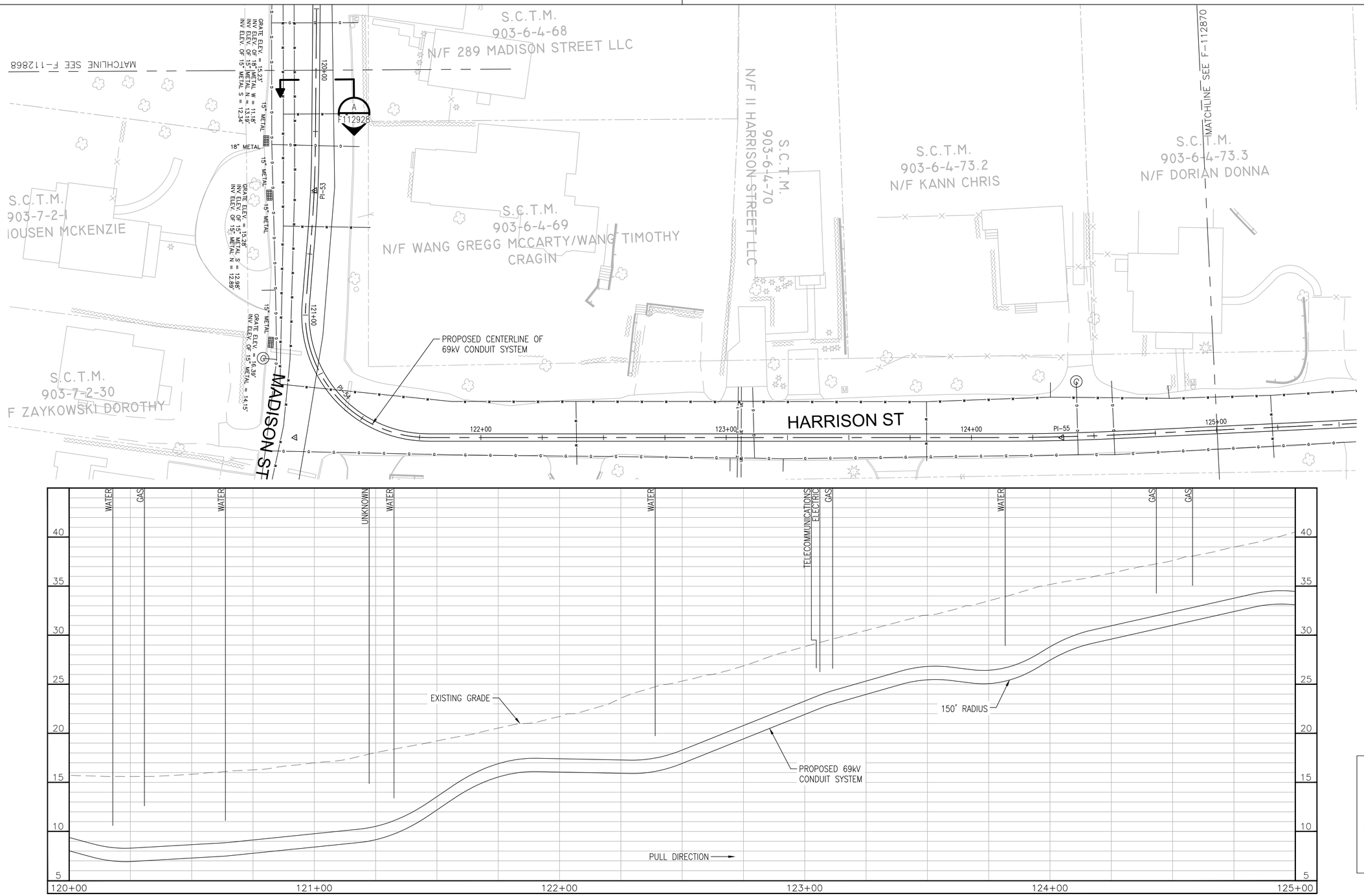
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 22 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112868
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOGOL
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 23 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112869

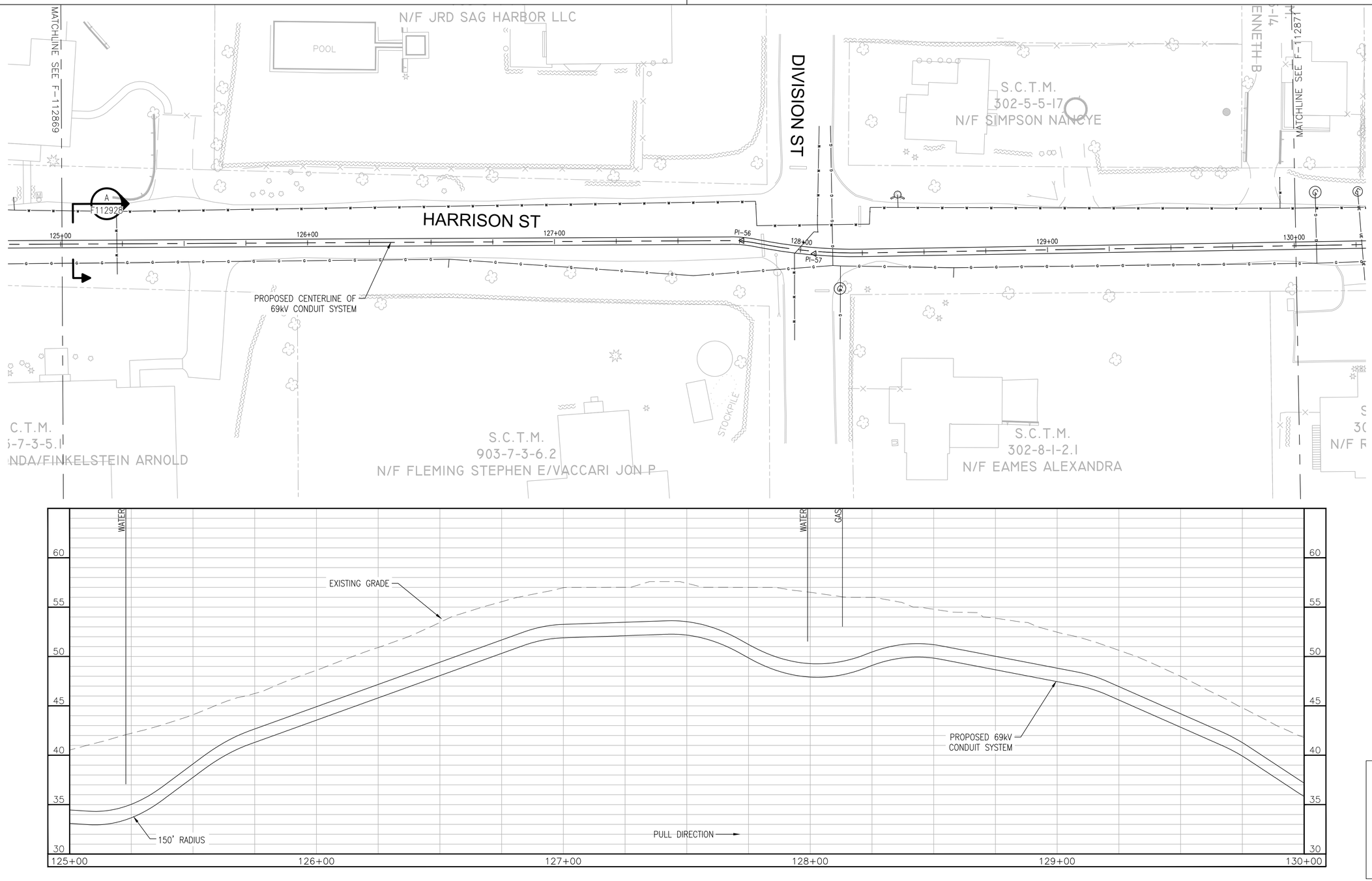
SMART NO. –

REVISION 1

SYSTEM
GRID NUMBER

CABINET NO.

FOLDER NO.



NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

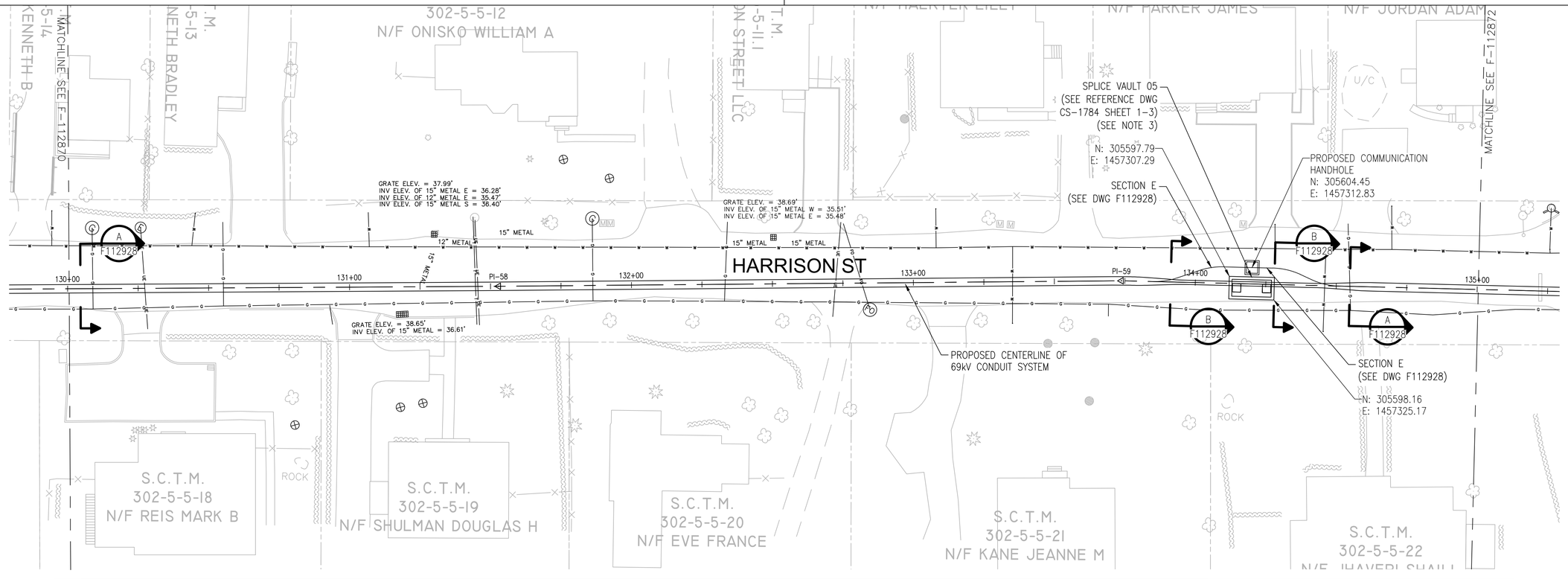
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 24 OF 80

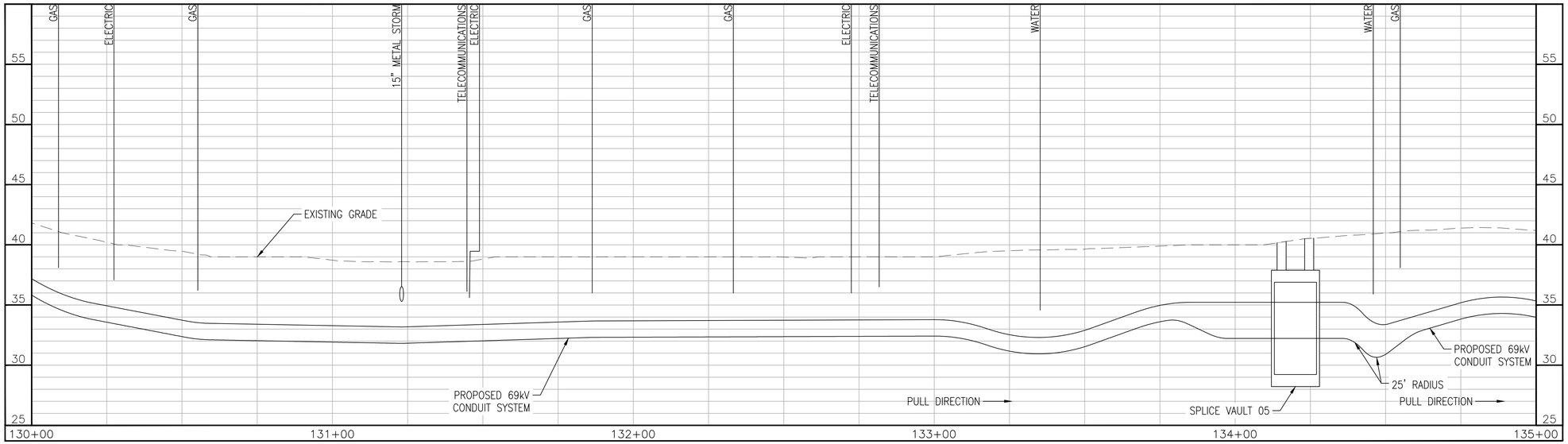
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112870
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

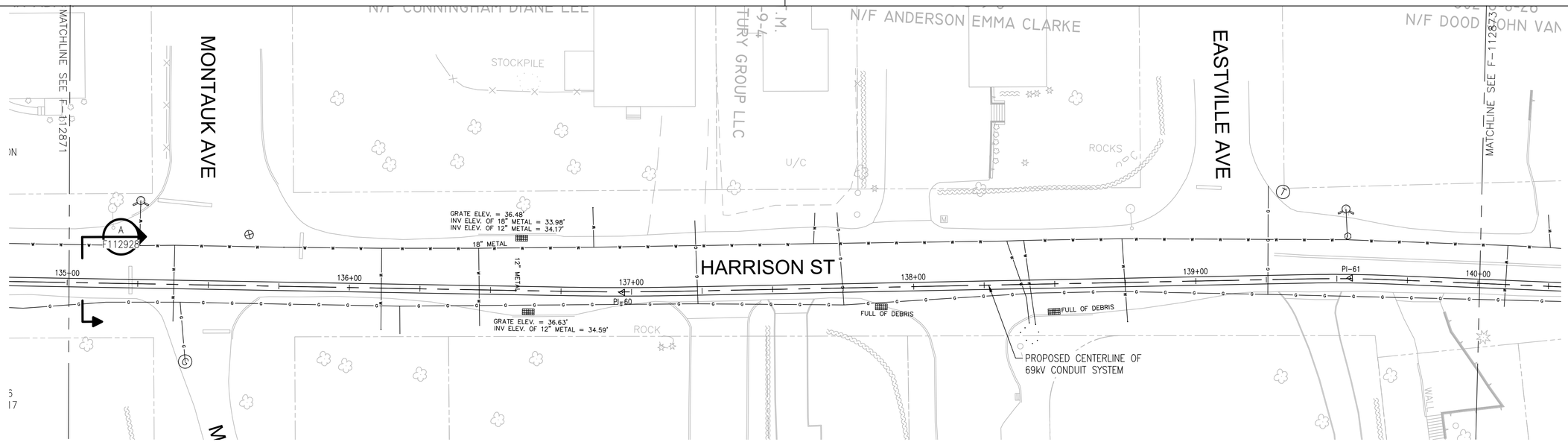
DATE: _____

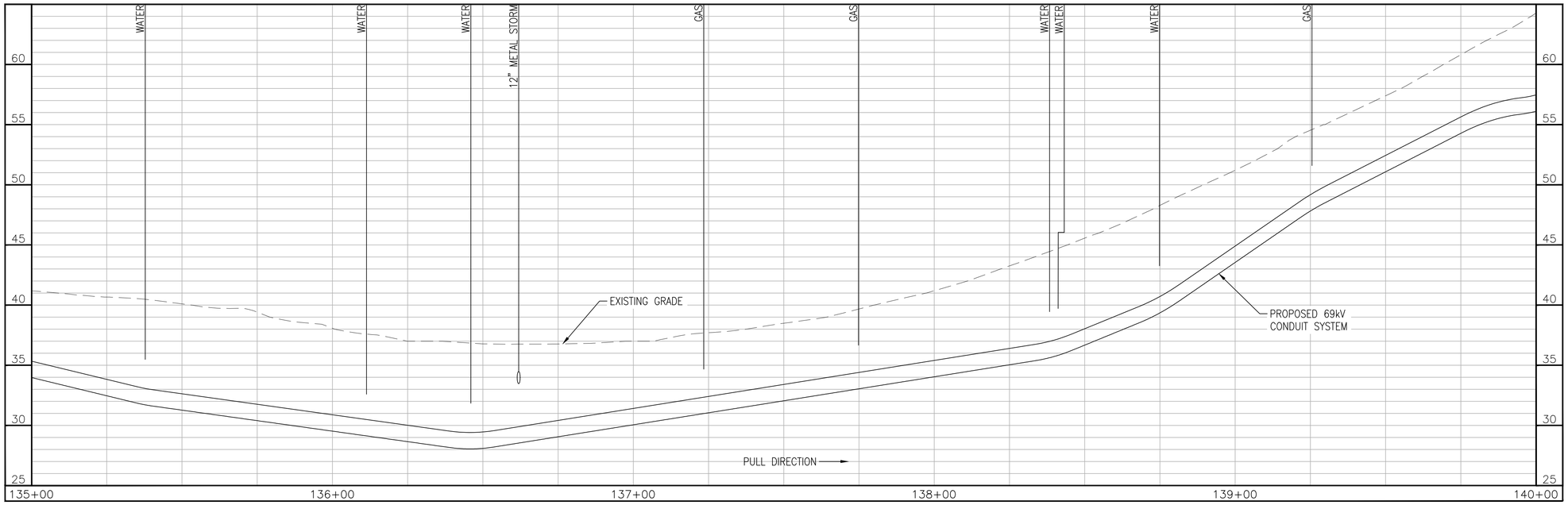
Long Island Power Authority
EAST HAMPTON, NEW YORK
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 25 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112871
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOGOL
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

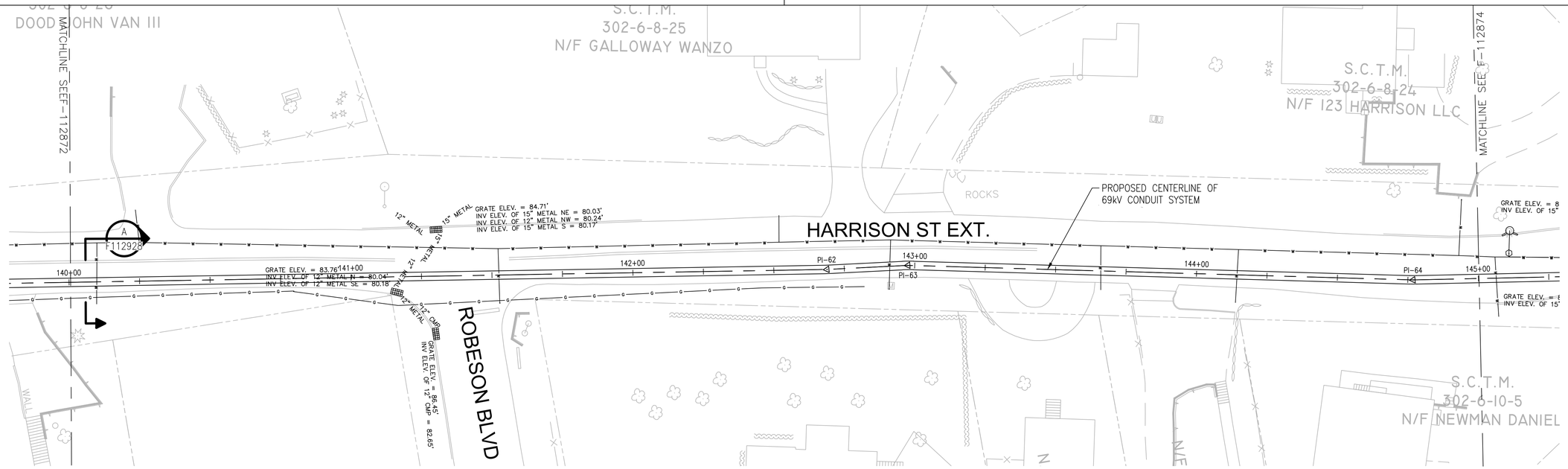
Long Island Power Authority
EAST HAMPTON, NEW YORK

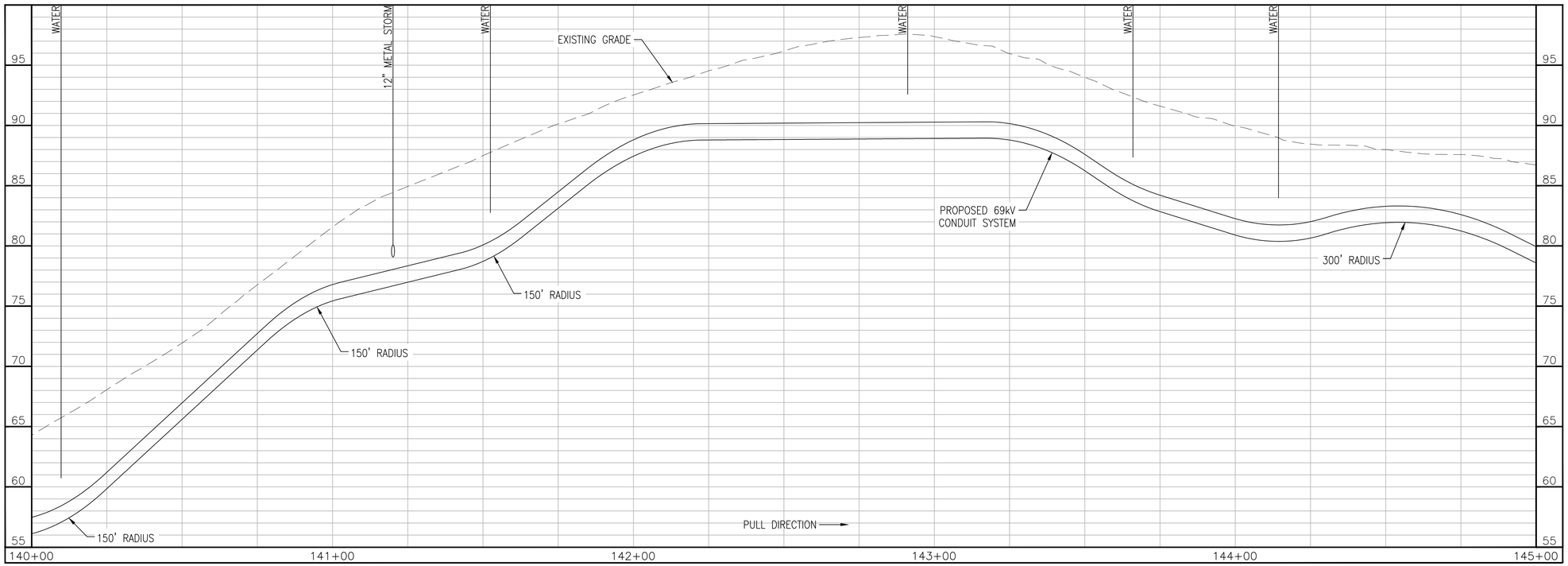
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 26 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112872
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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ISSUE

STATE OF NEW YORK
DAVID A. GOOOL
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
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PSEG Long Island

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69KV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 27 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112873

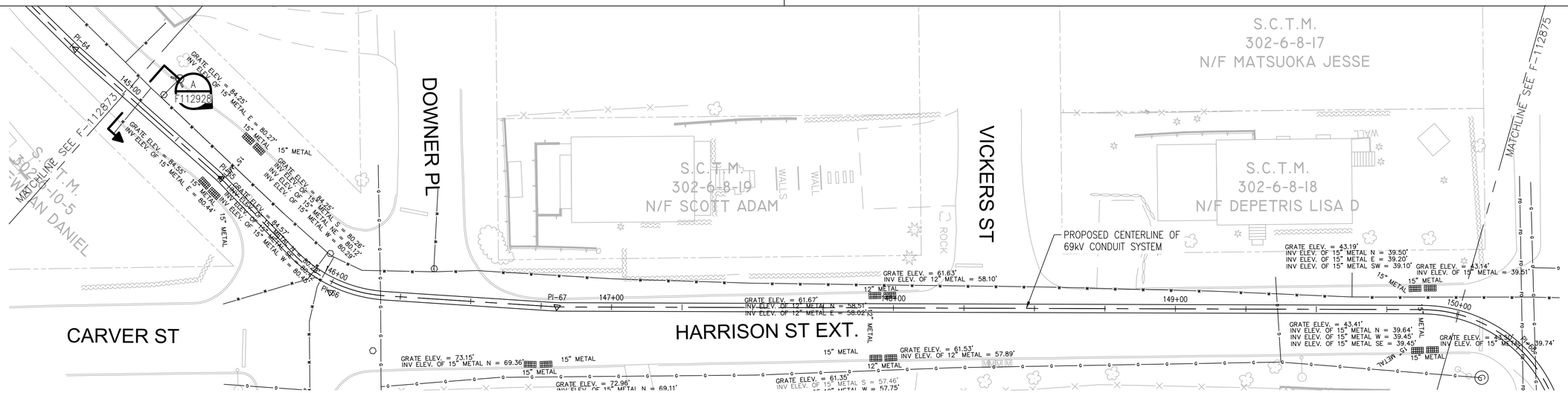
SMART NO. –

REVISION 1

SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.



NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____
DATE: _____

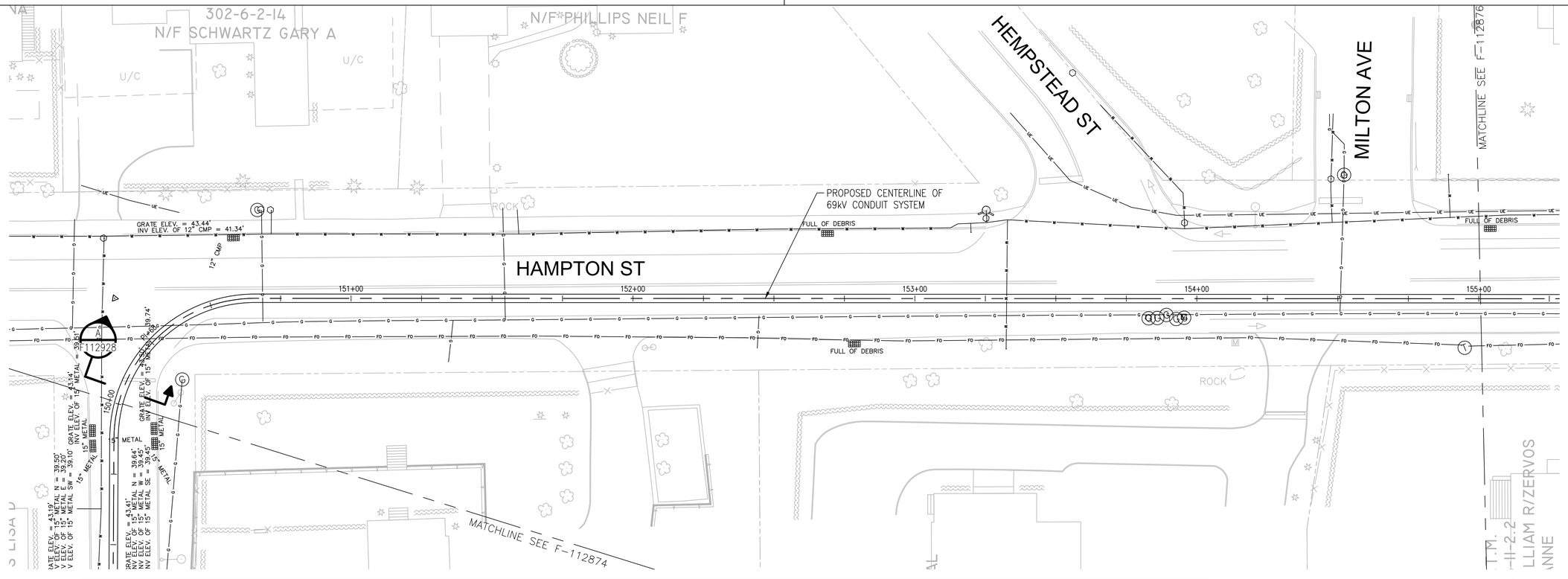
Long Island Power Authority
EAST HAMPTON, NEW YORK

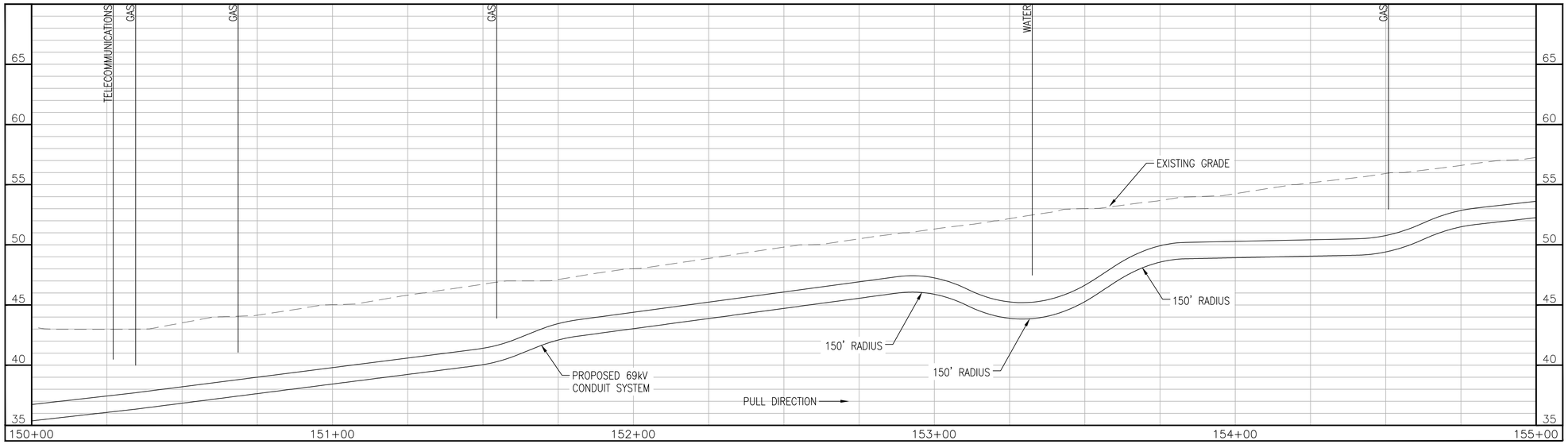
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 28 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112874
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





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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.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

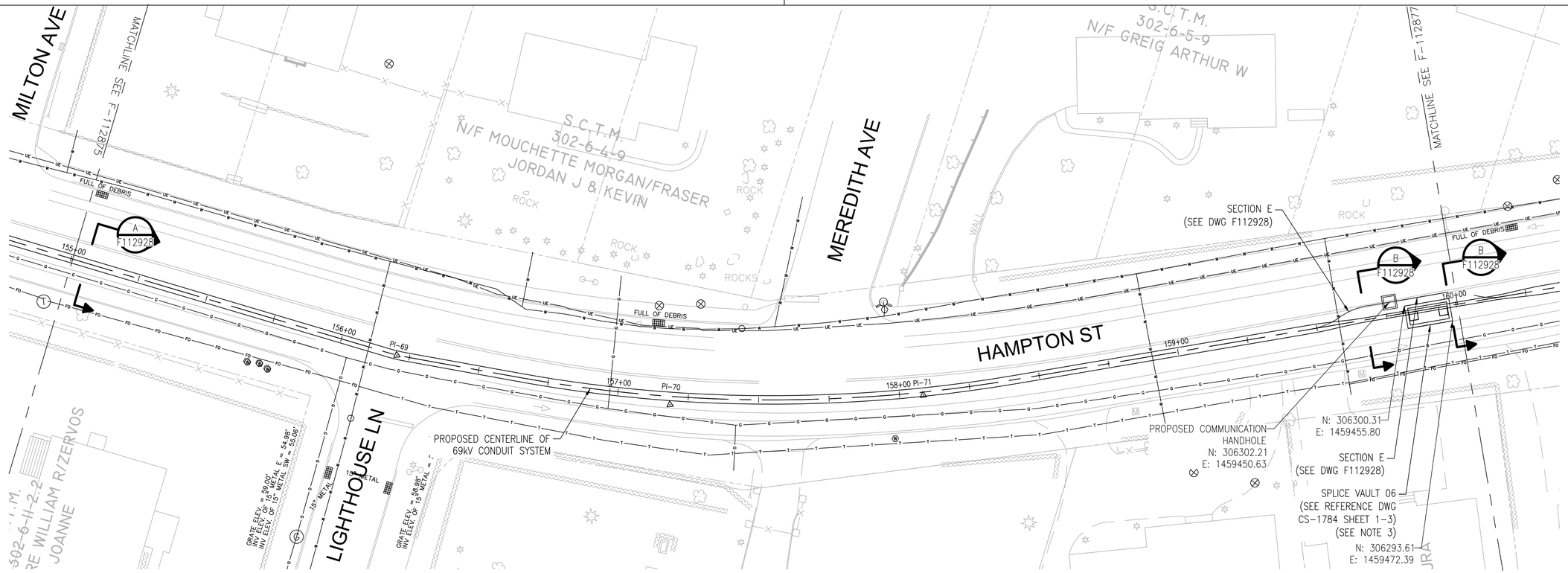
Long Island Power Authority
EAST HAMPTON, NEW YORK

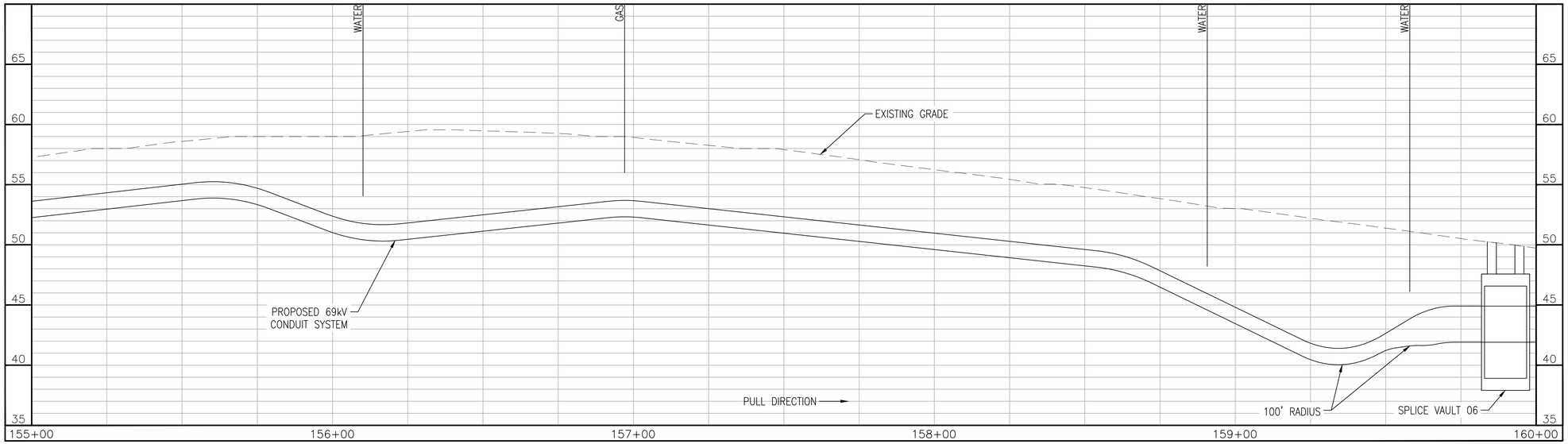
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 29 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112875
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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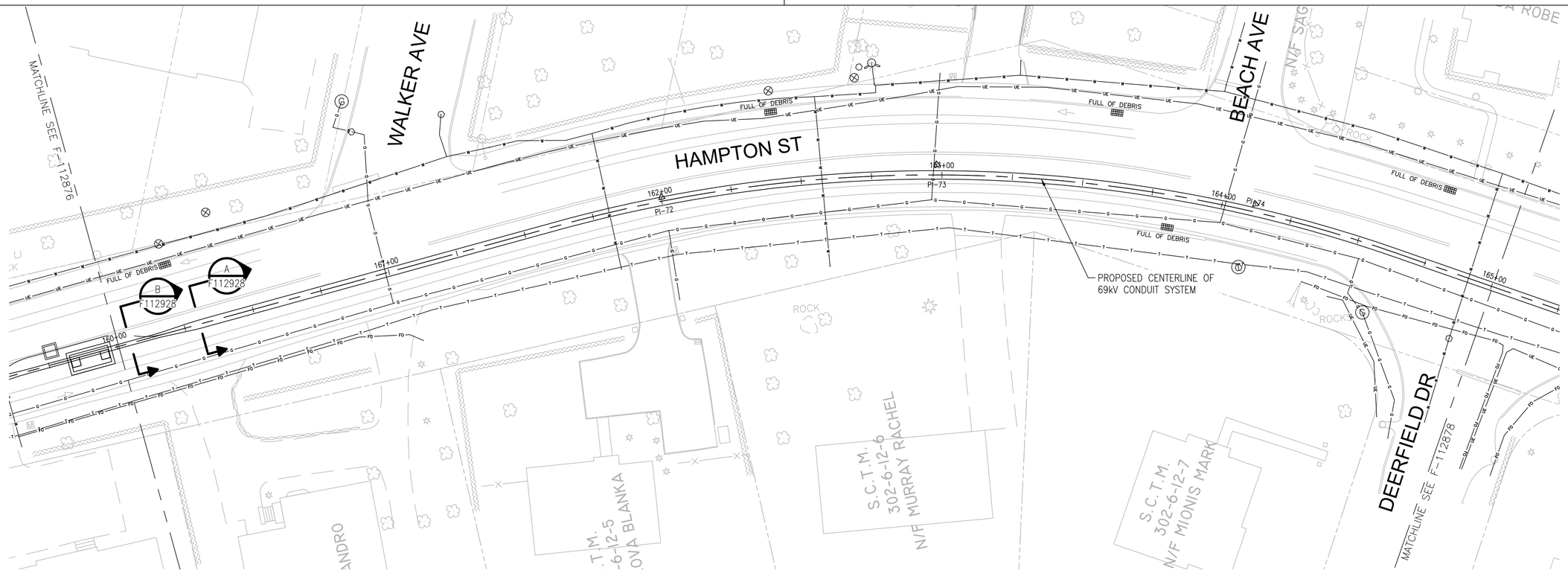
Long Island Power Authority
EAST HAMPTON, NEW YORK

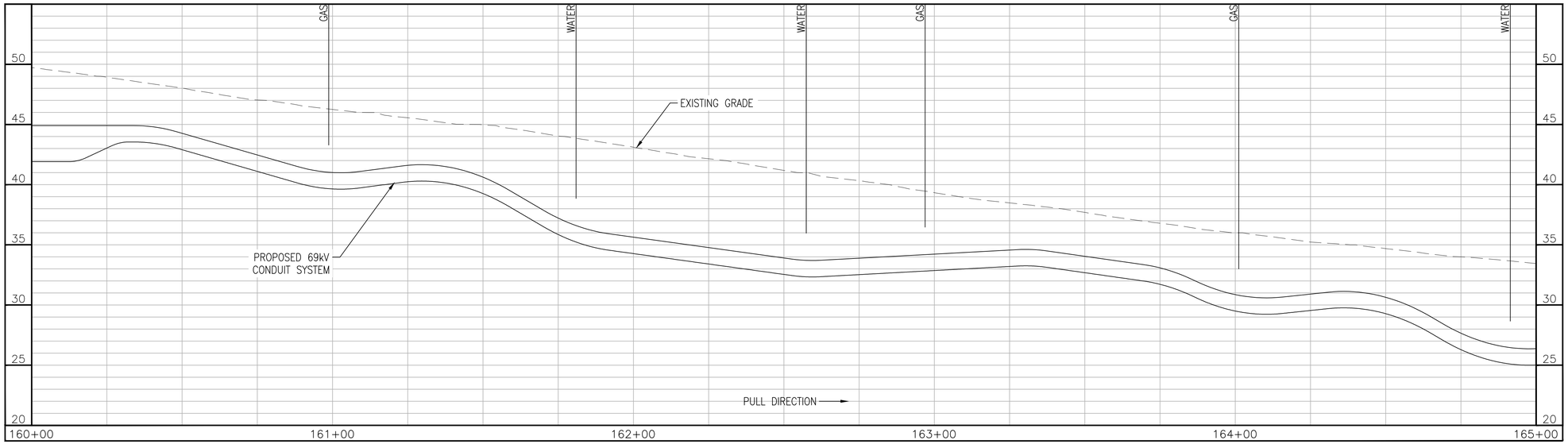
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 30 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112876
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

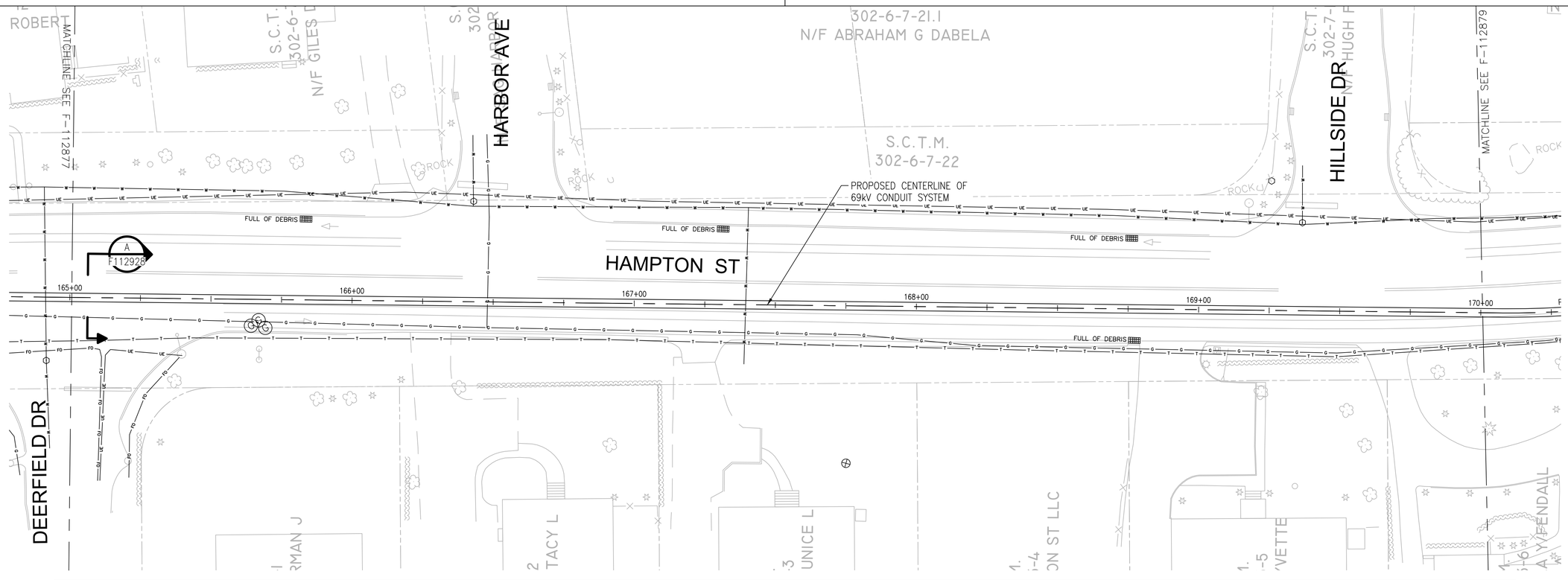
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 31 OF 80

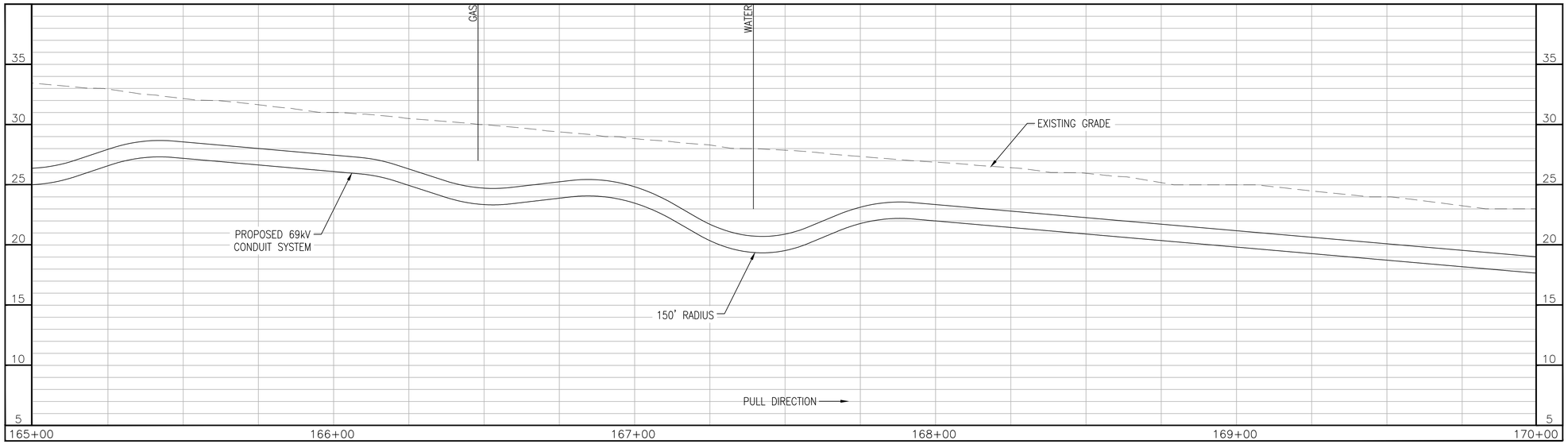
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112877
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

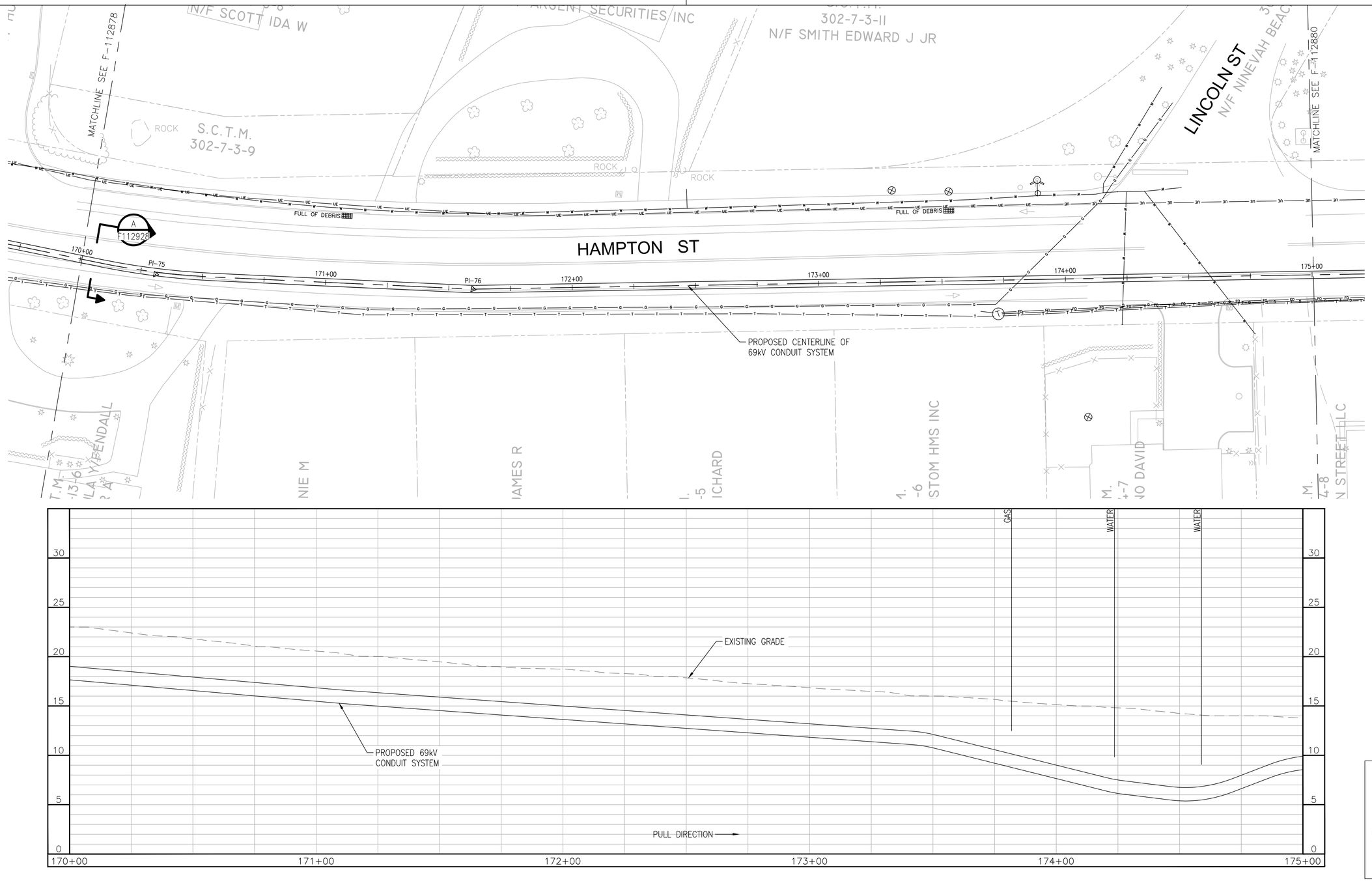
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 32 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112878
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
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BURNS McDONNELL
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STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

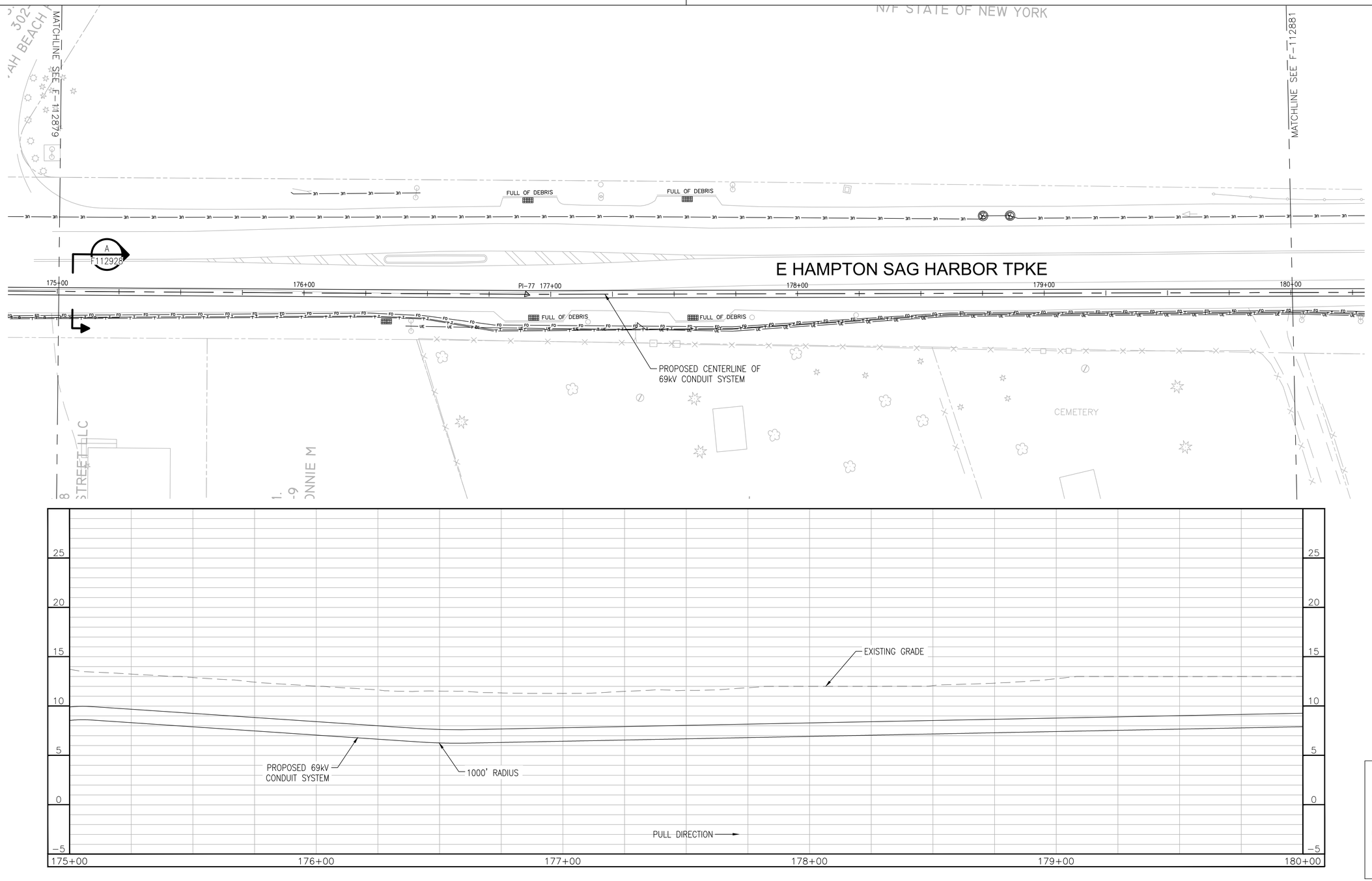
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 33 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112879
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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

ISSUED FOR CONSTRUCTION

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A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
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108290
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JUNE 26, 2024

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DATE: _____

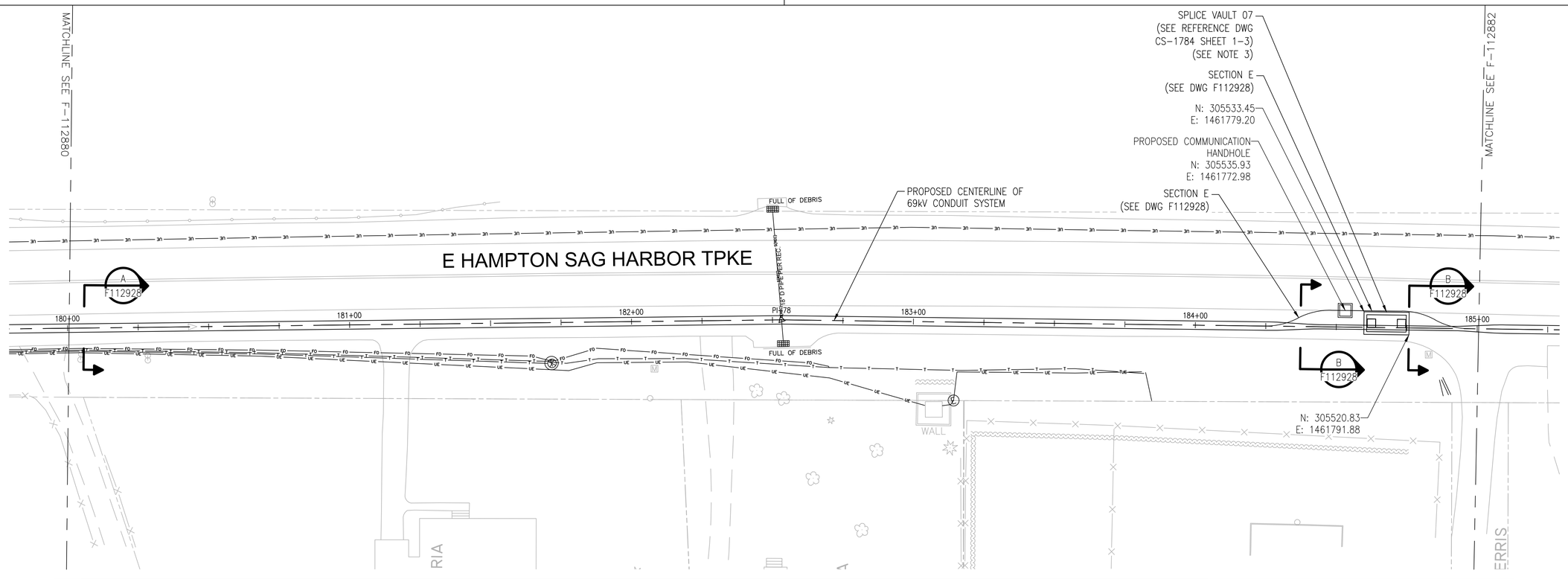
Long Island Power Authority
EAST HAMPTON, NEW YORK

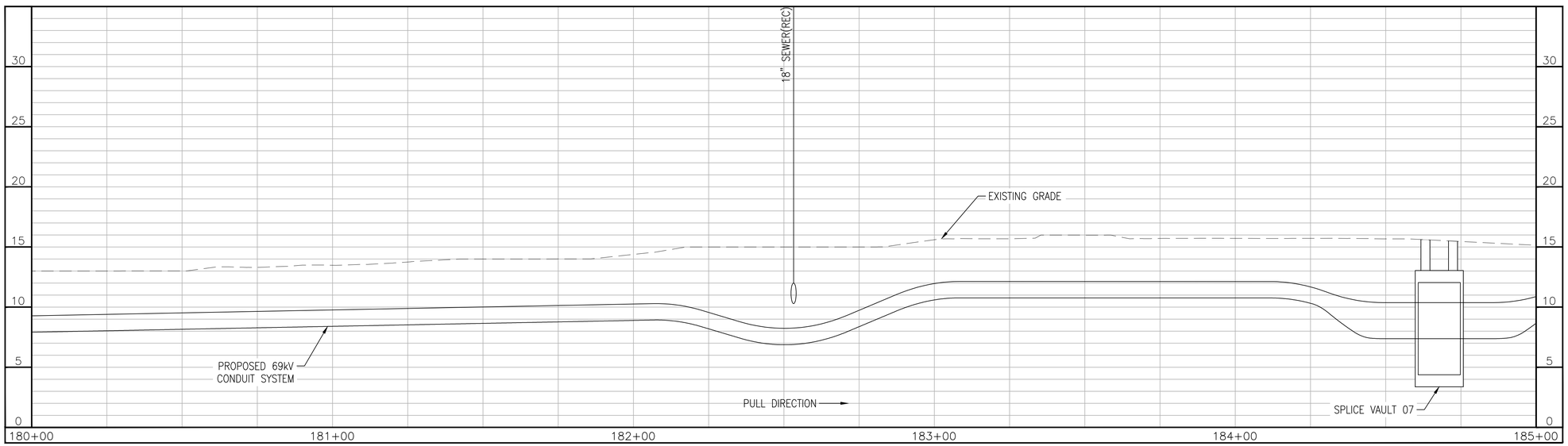
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 34 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112880
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

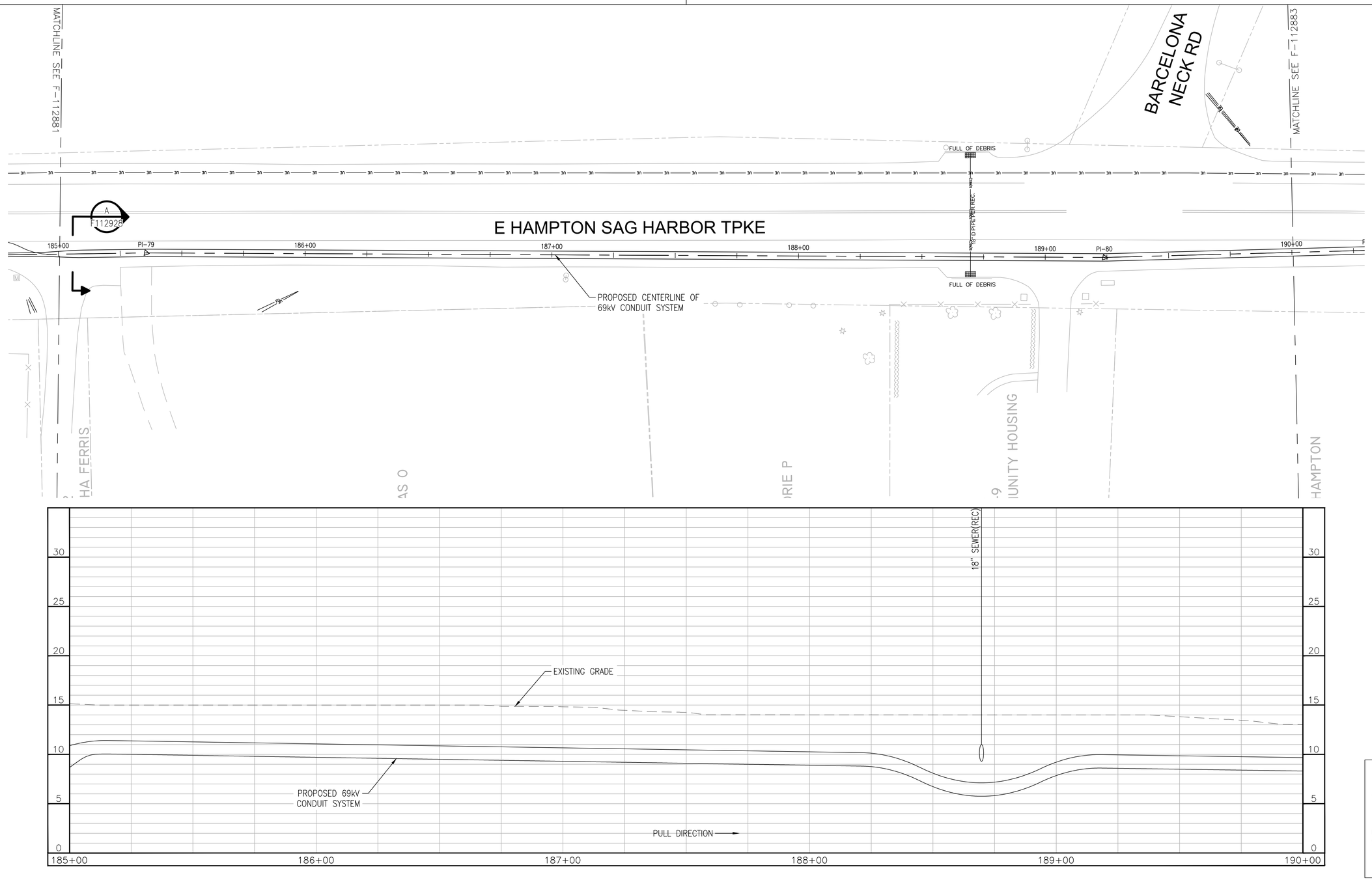
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 35 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112881
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
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0 10' 20' 40'
HORIZONTAL SCALE IN FEET
0 5' 10'
VERTICAL SCALE IN FEET

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

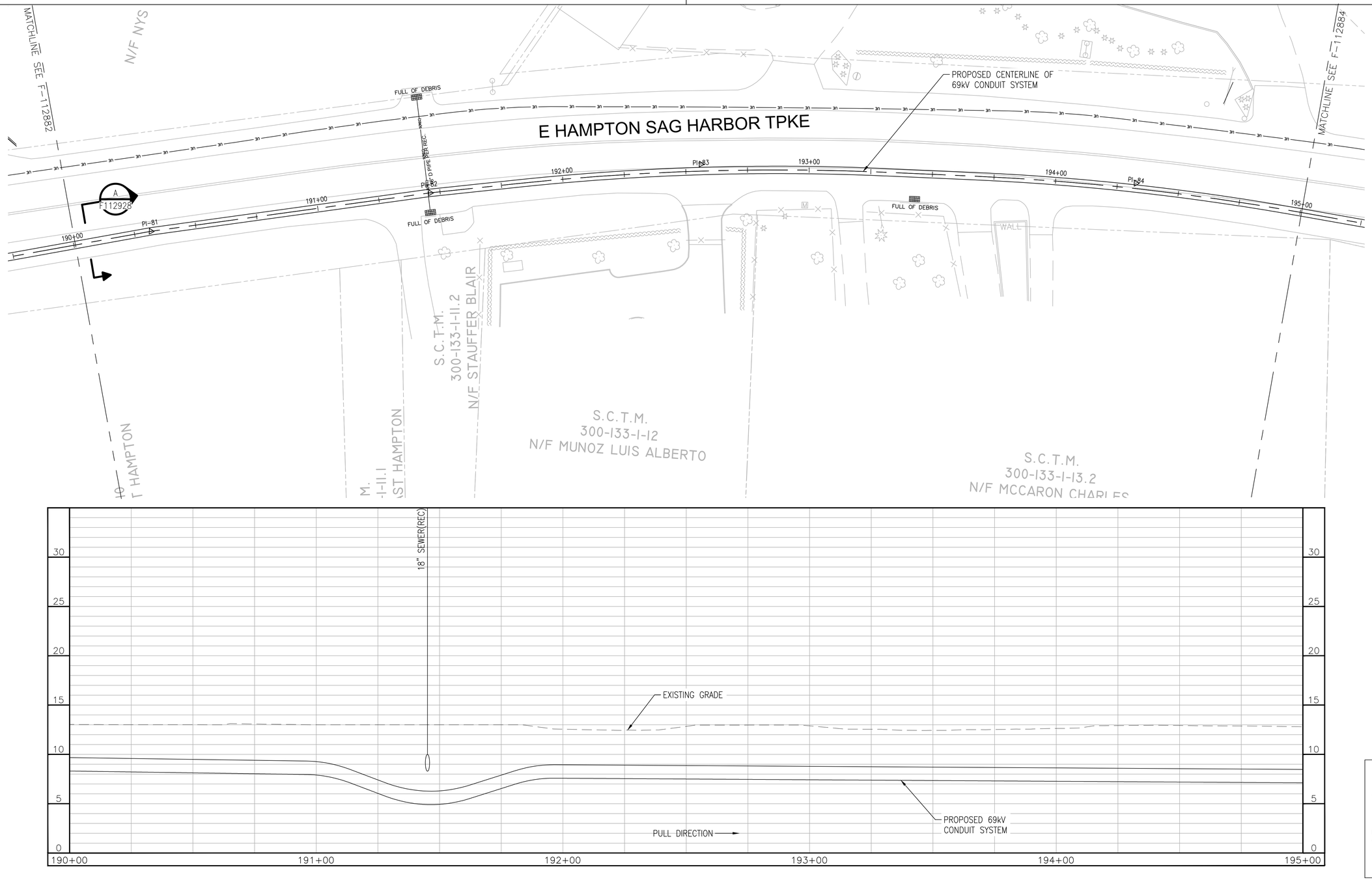
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 36 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112882
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

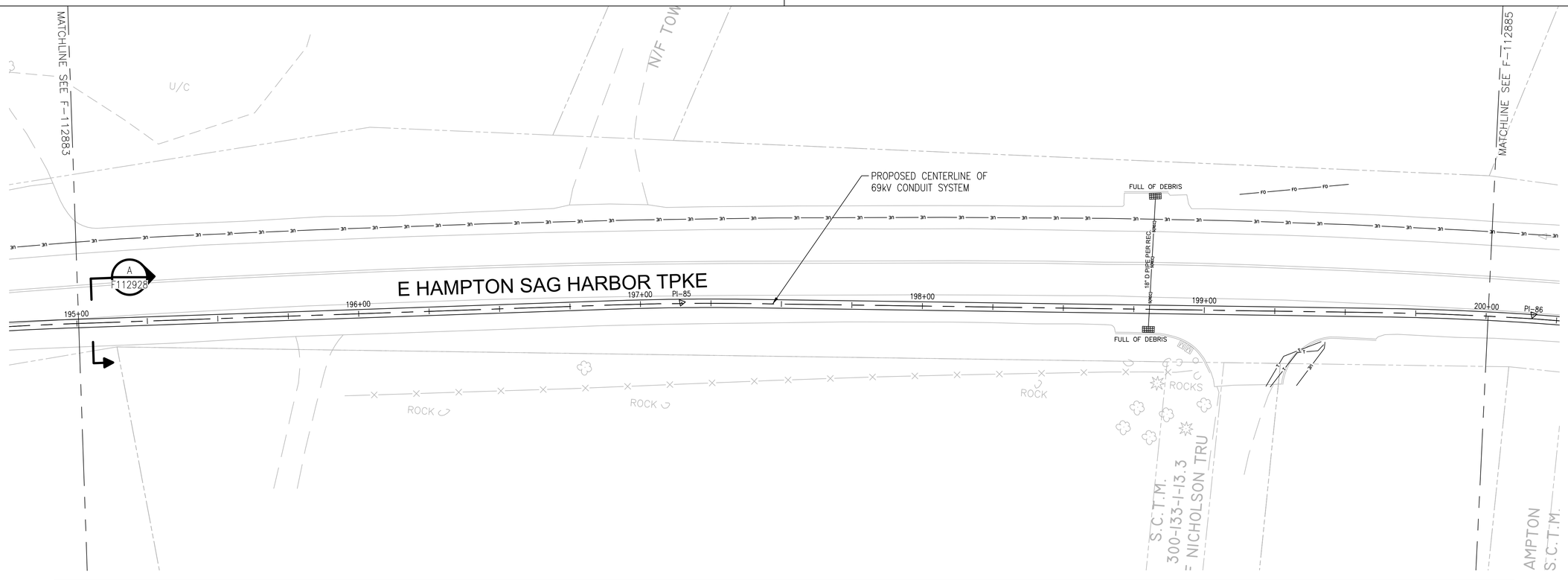
Long Island Power Authority
EAST HAMPTON, NEW YORK

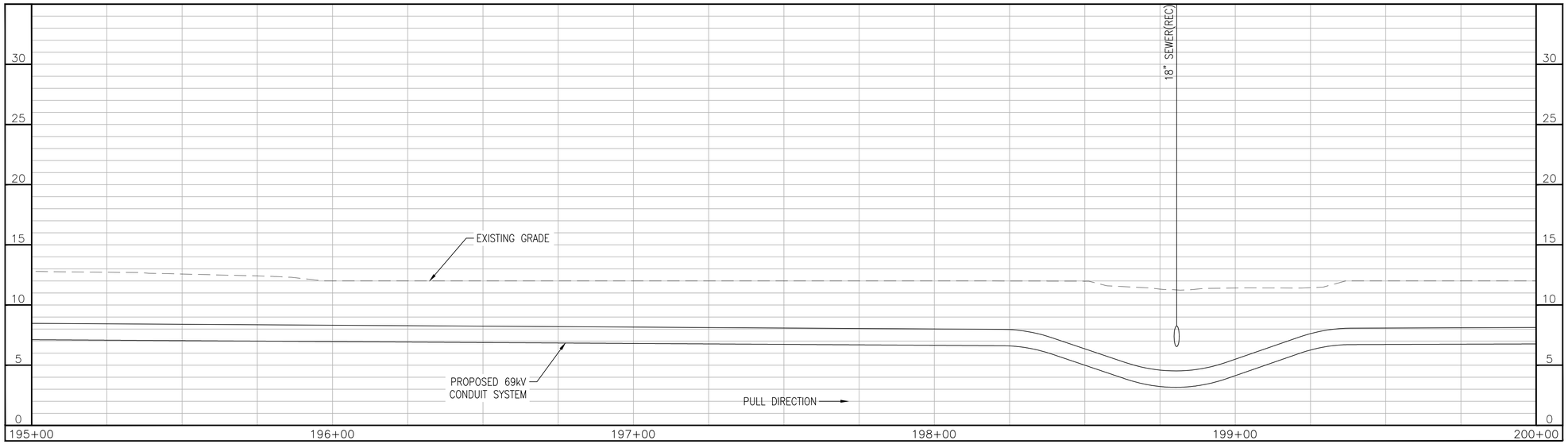
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 37 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112883
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
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PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

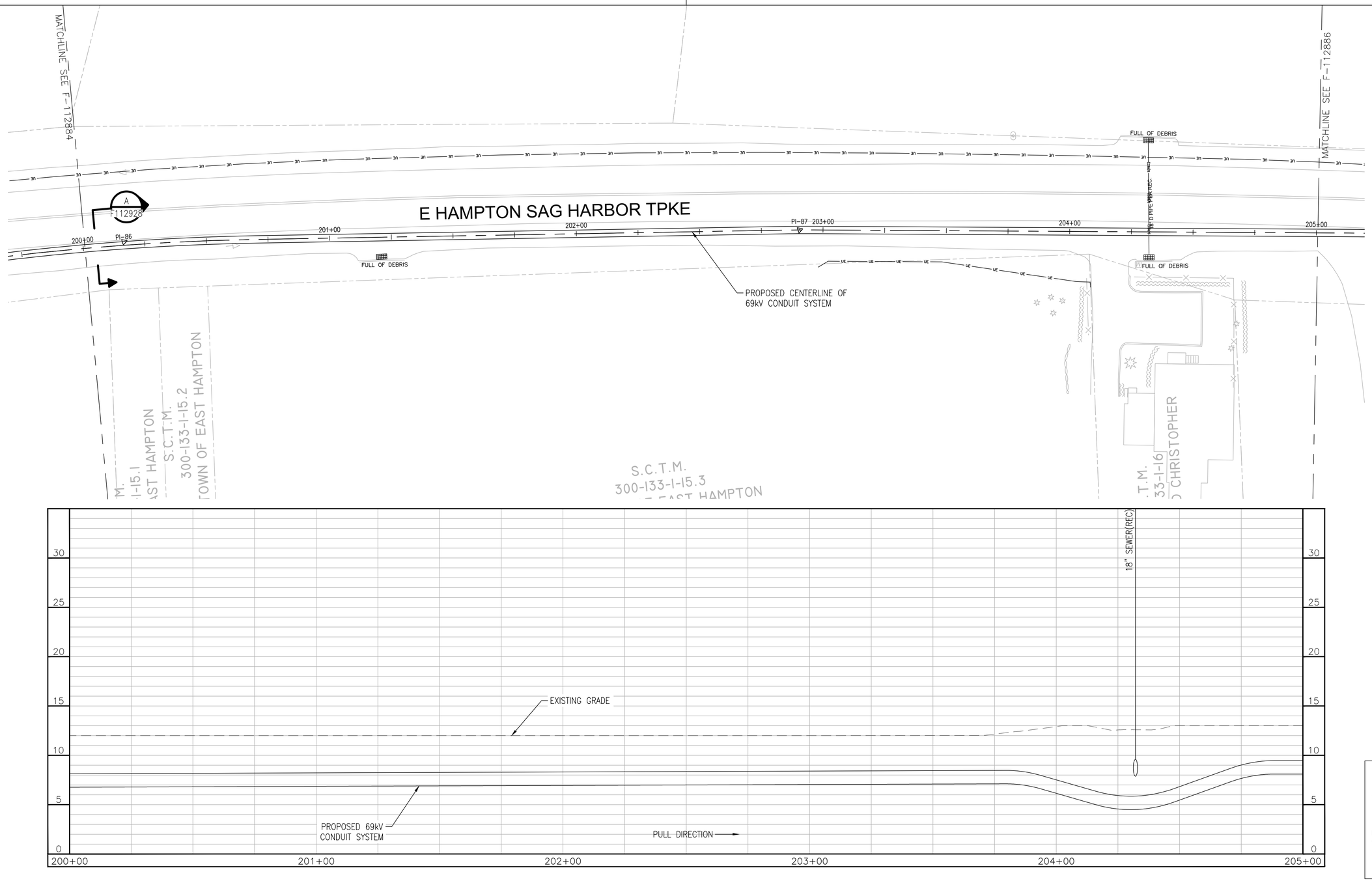
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 38 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112884
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS MCDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

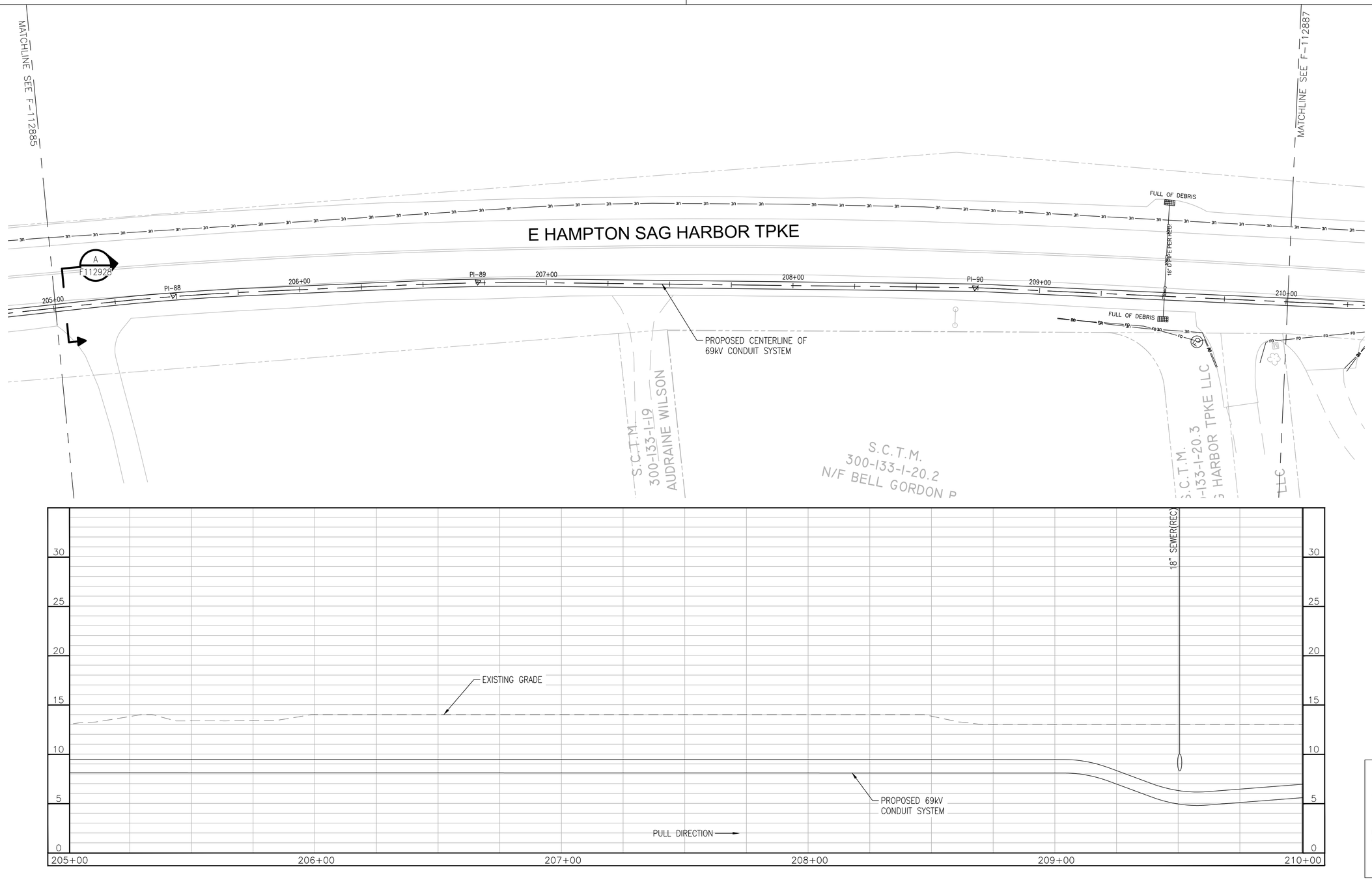
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 39 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112885
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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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.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

ISSUE

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

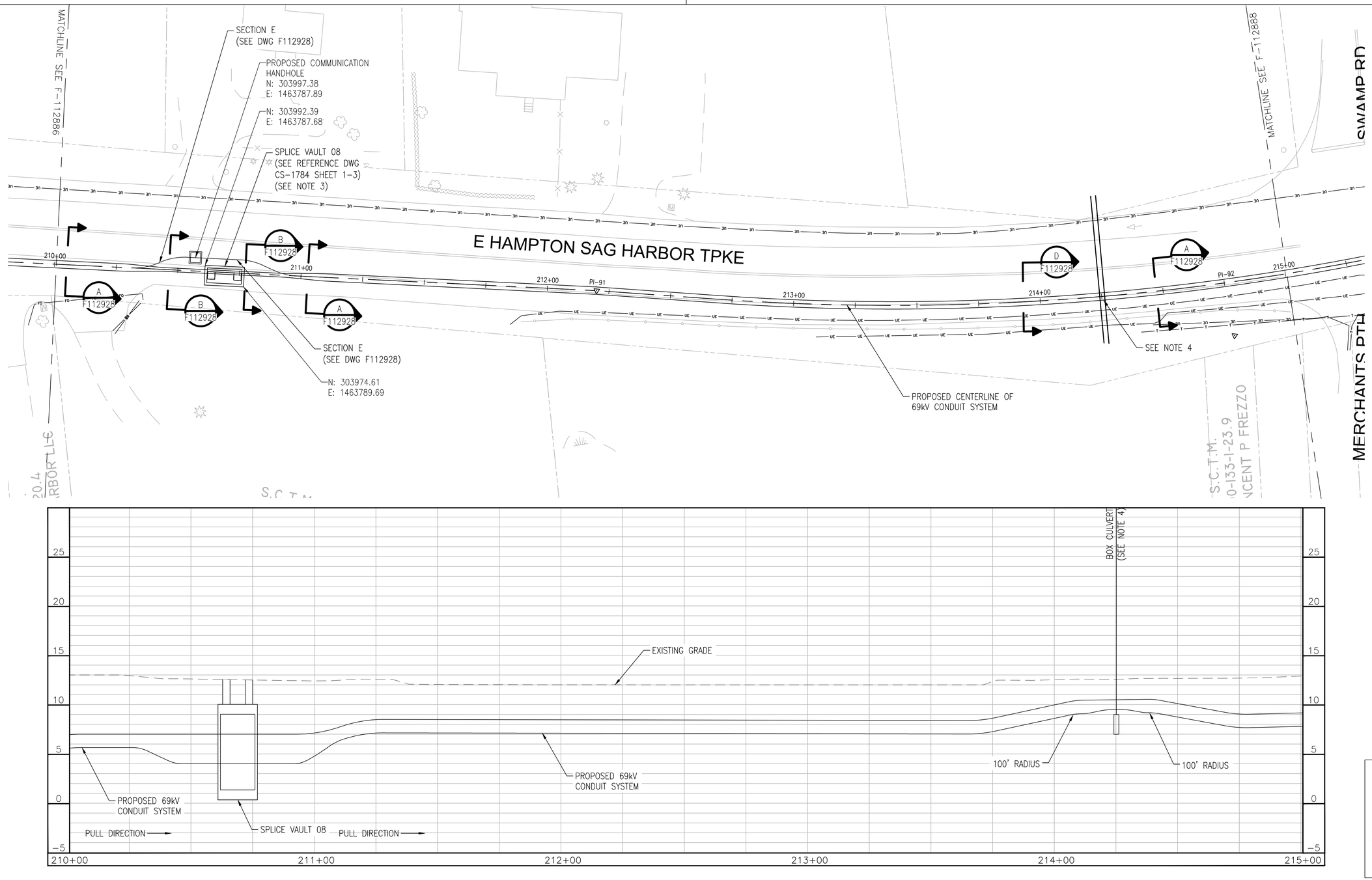
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 40 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112886
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.
4. CURRENT SURVEY DOES NOT CAPTURE EXISTING BOX CULVERT. APPROXIMATELY 2' X 2' DIMENSIONS ARE ASSUMED. ADDITIONAL FIELD INVESTIGATIONS TO BE COMPLETED BY PSEG LONG ISLAND TO CONFIRM.

HORIZONTAL SCALE IN FEET: 0 10' 20' 40'

VERTICAL SCALE IN FEET: 0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

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

ISSUE

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER

JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 41 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112887

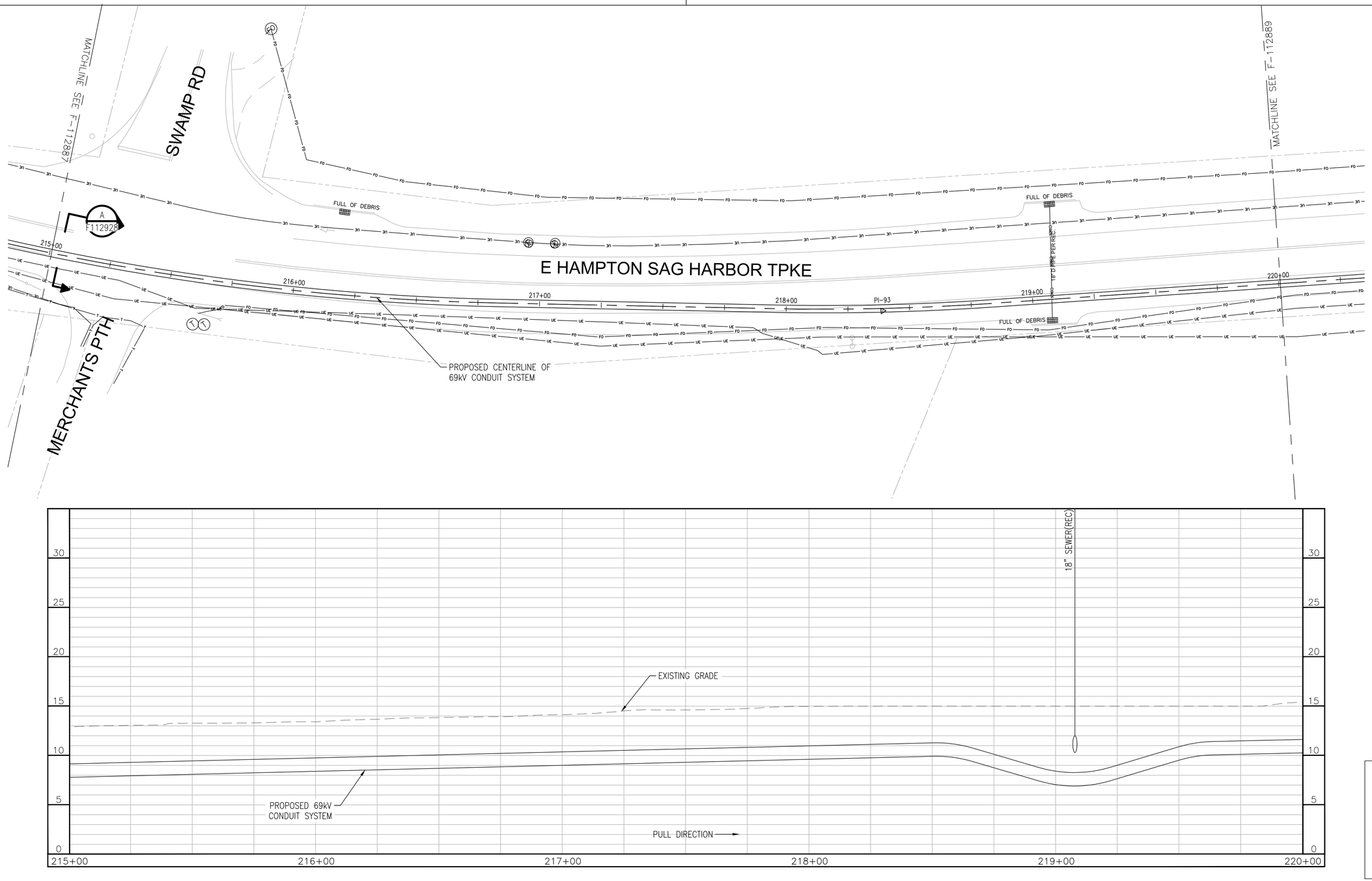
SMART NO. –

REVISION 1

SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

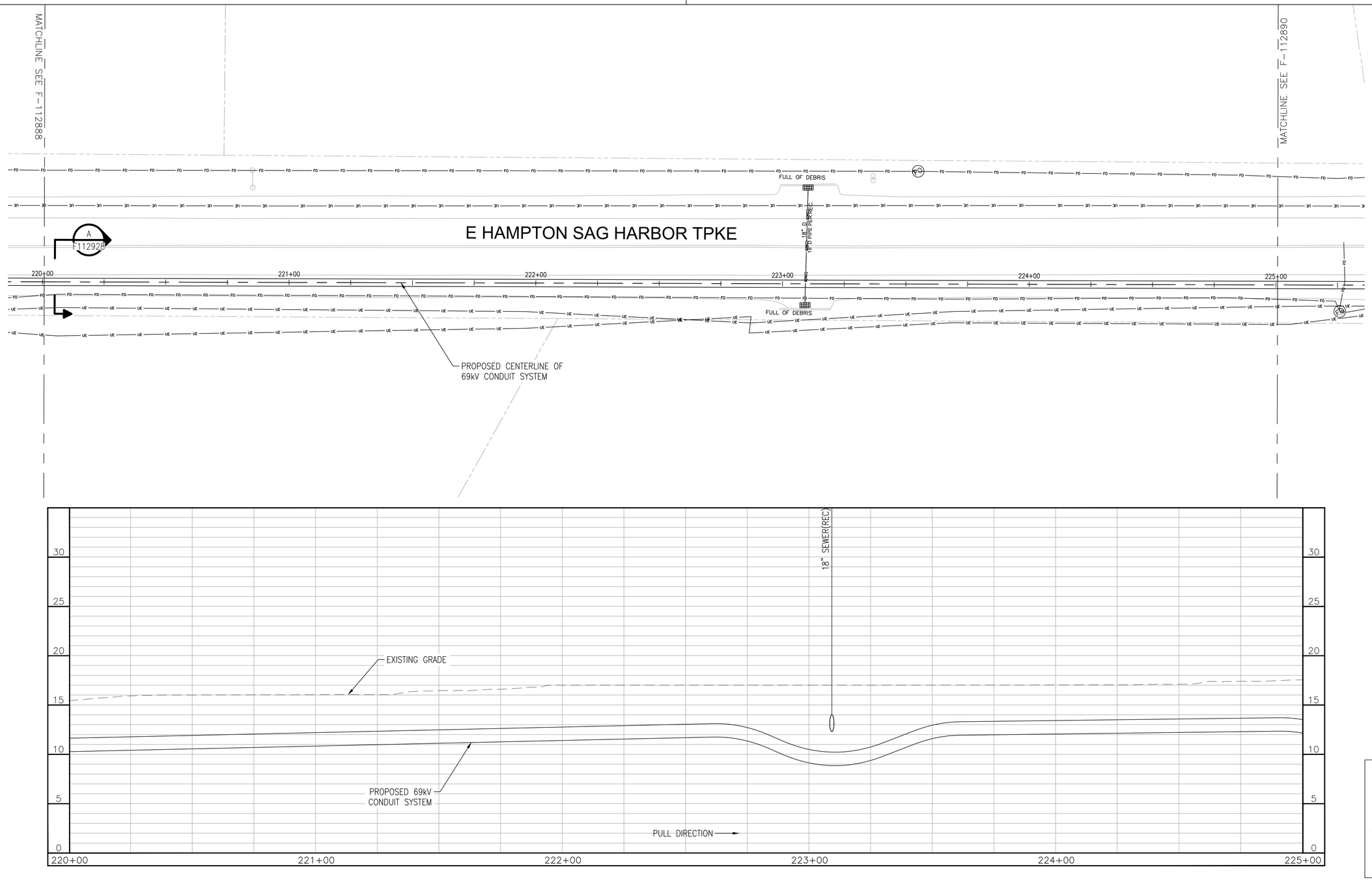
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 42 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112888
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

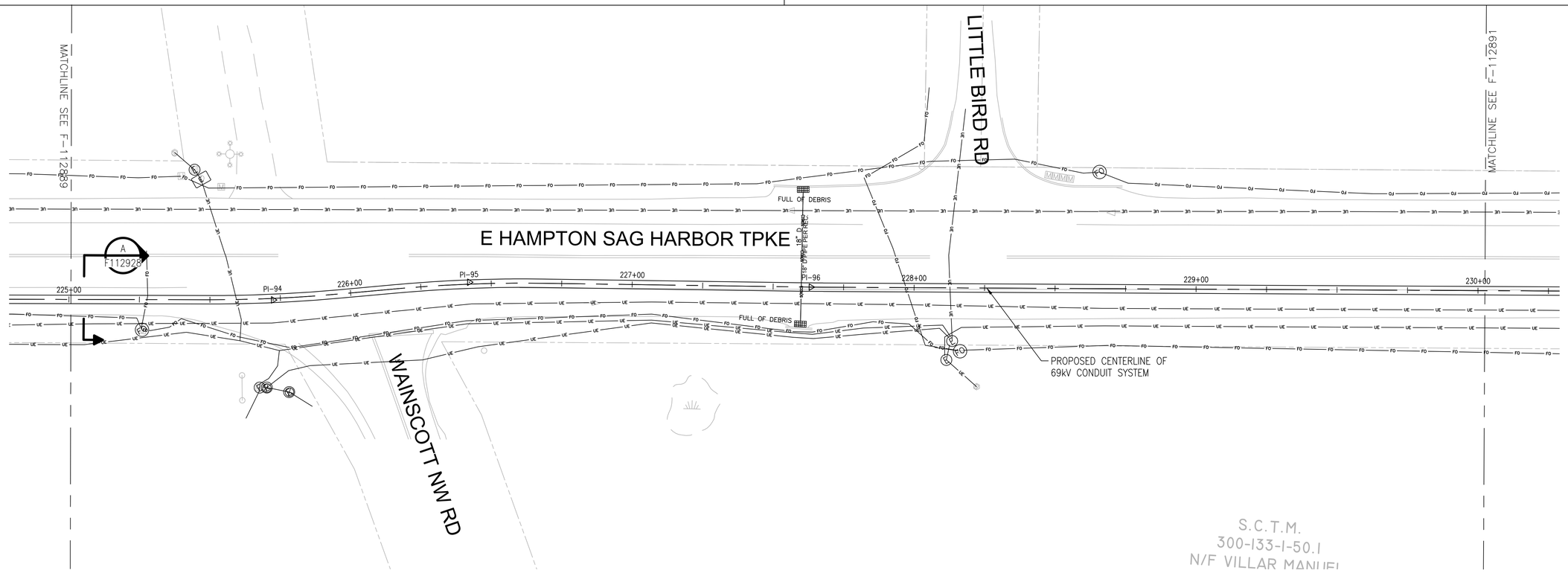
Long Island Power Authority
EAST HAMPTON, NEW YORK

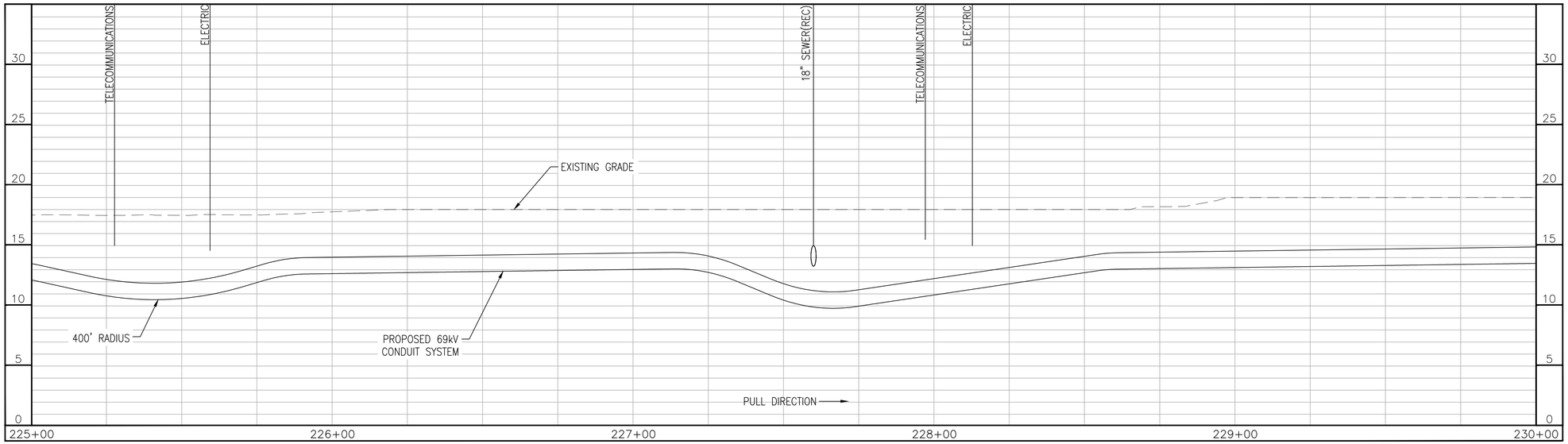
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 43 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112889
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PER: _____

DATE: _____

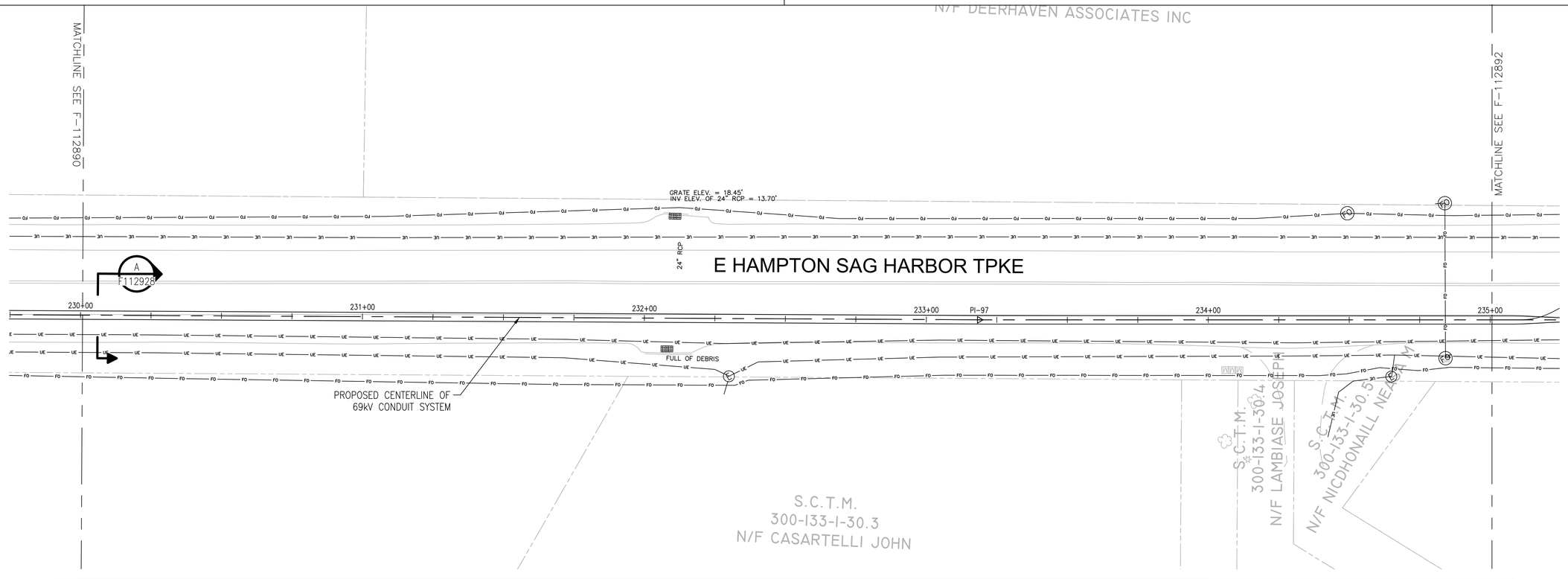
Long Island Power Authority
EAST HAMPTON, NEW YORK

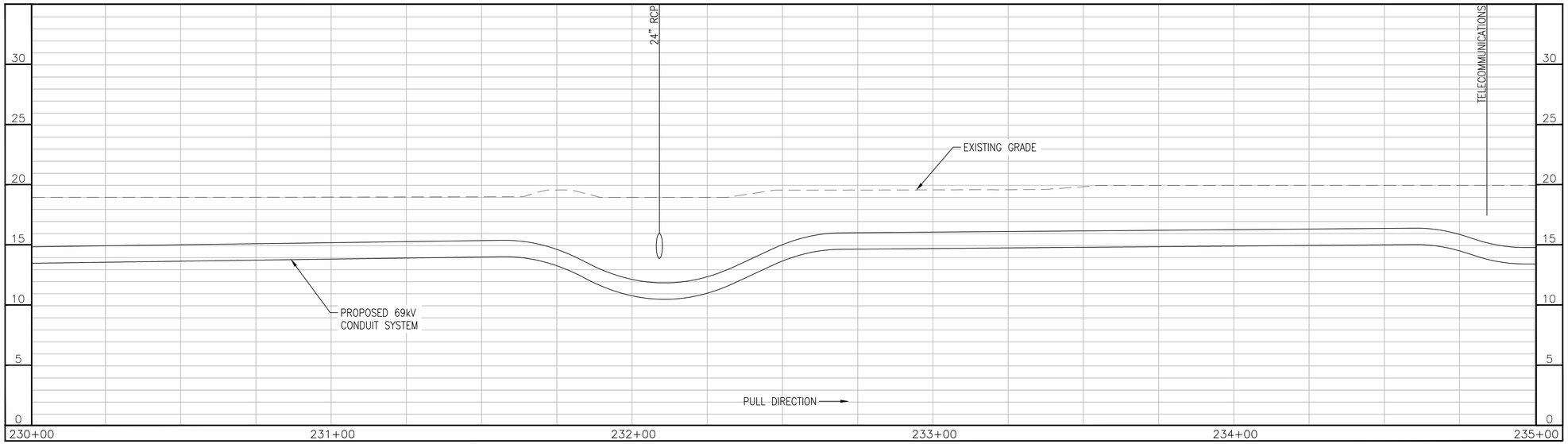
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 44 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112890
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

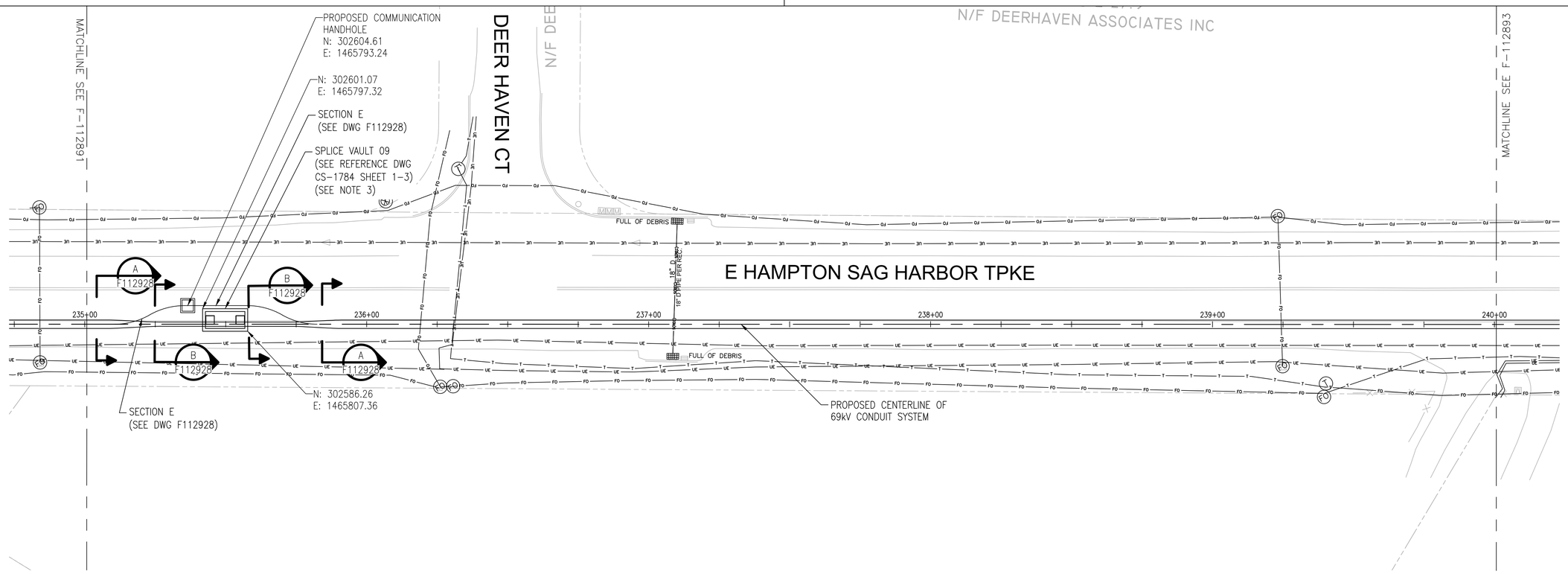
Long Island Power Authority
EAST HAMPTON, NEW YORK

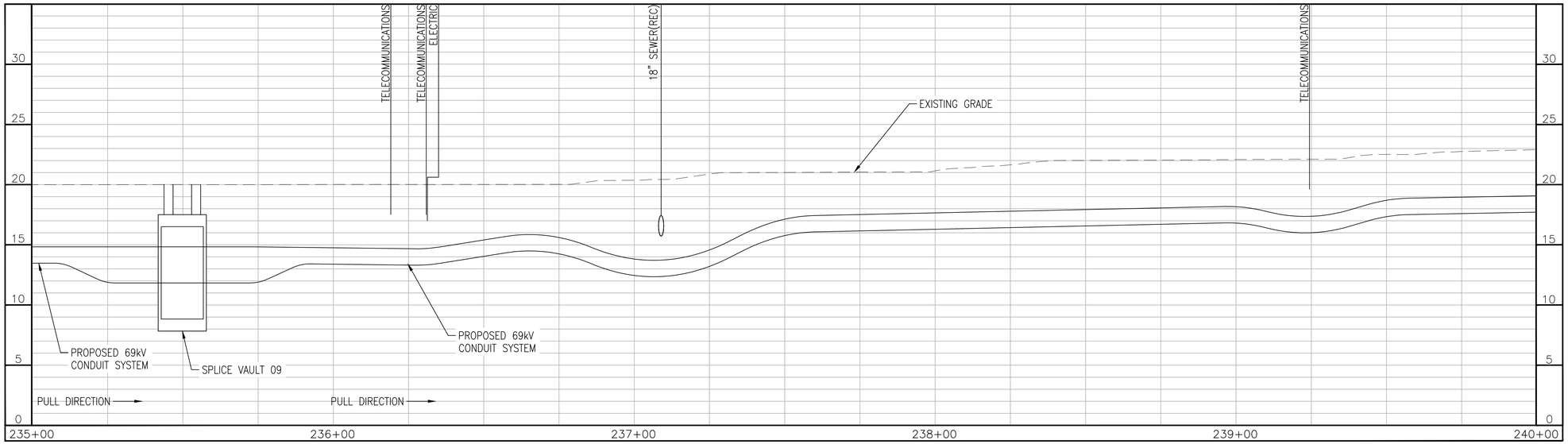
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 45 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112891
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

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: _____

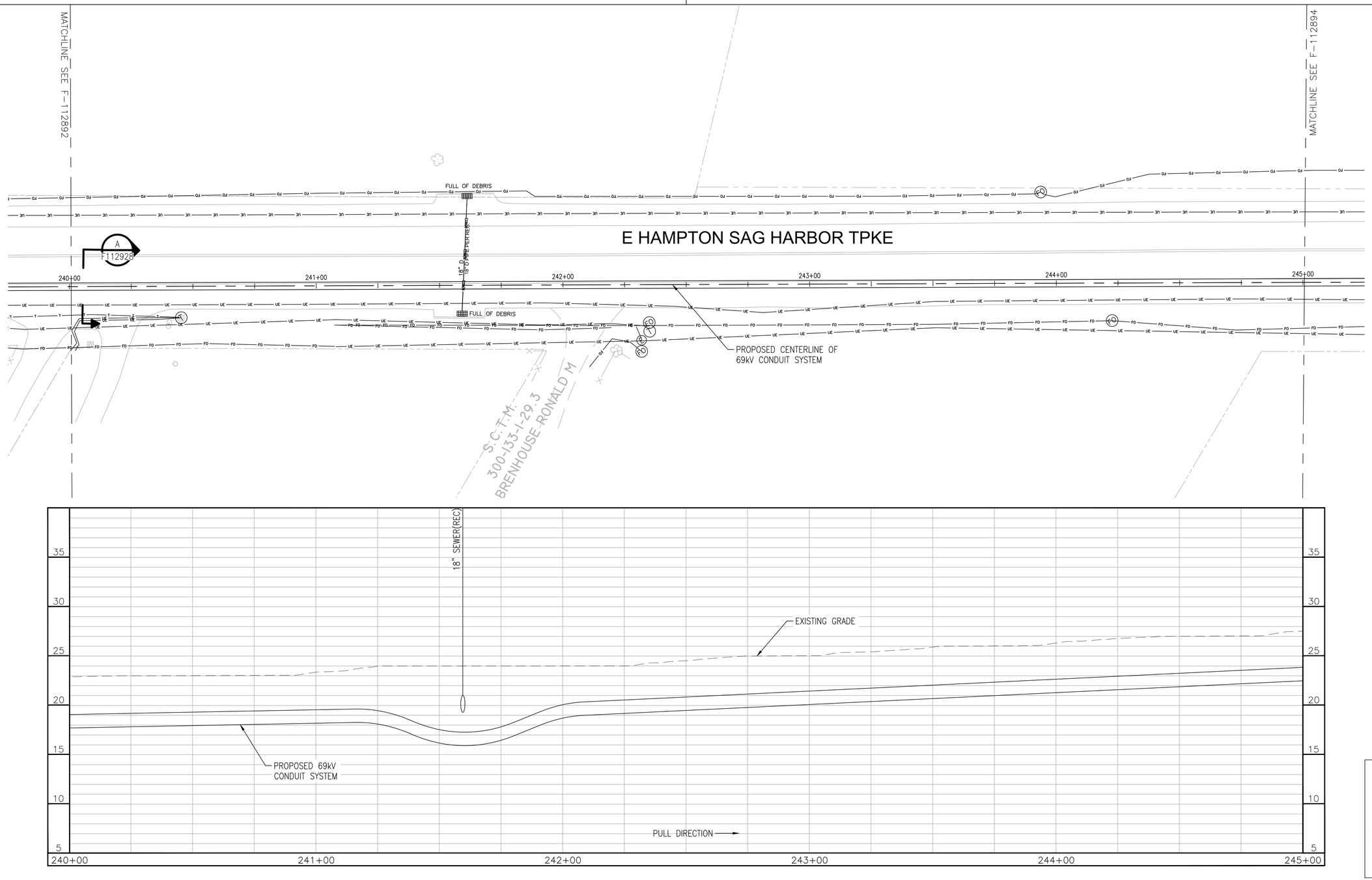
DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 46 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112892
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

HORIZONTAL SCALE IN FEET
0 10' 20' 40'

VERTICAL SCALE IN FEET
0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

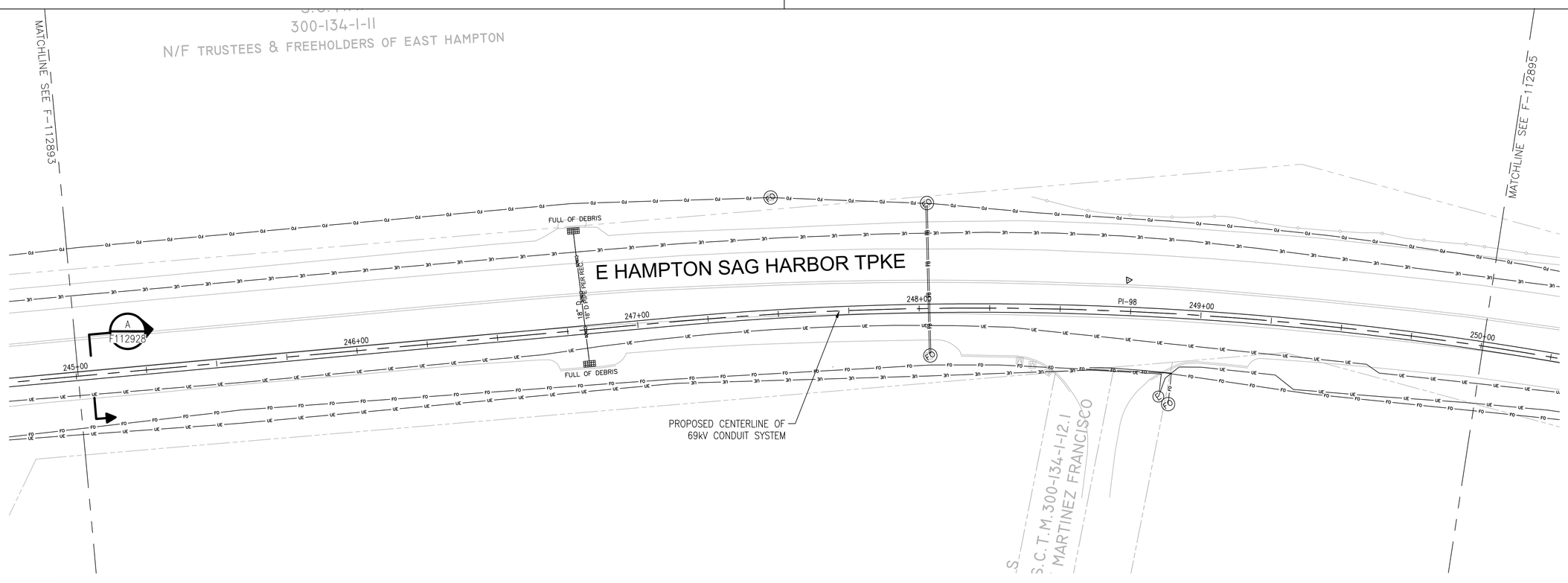
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 47 OF 80

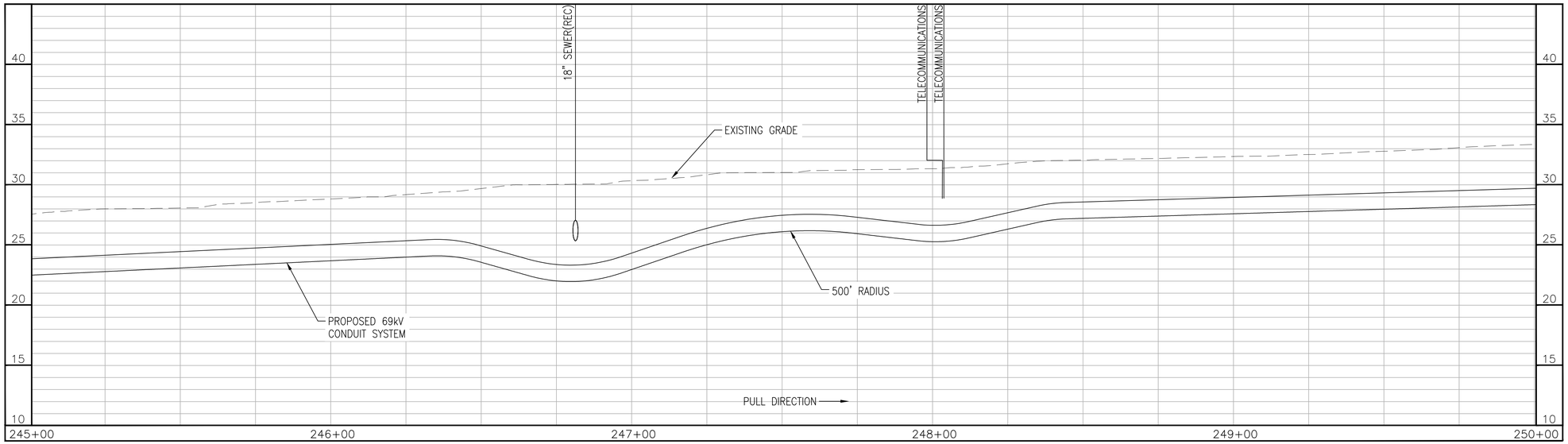
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112893
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

HORIZONTAL SCALE IN FEET: 0 10' 20' 40'

VERTICAL SCALE IN FEET: 0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER

JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 48 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112894

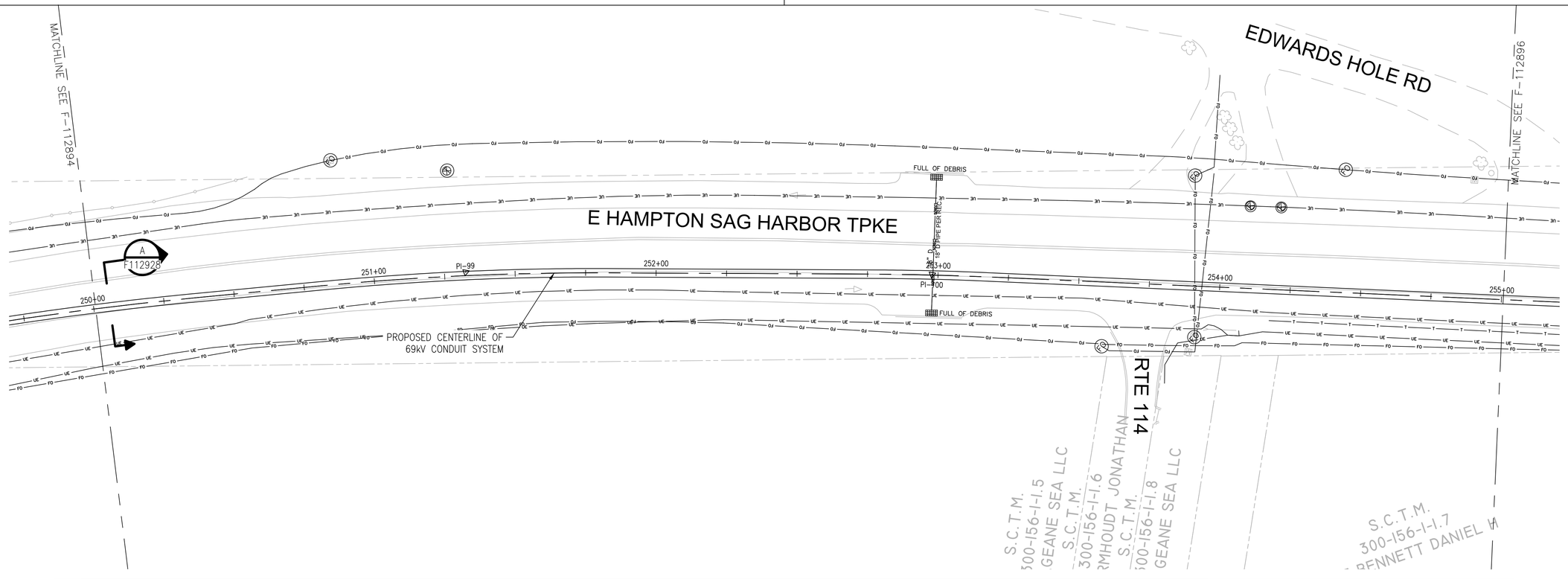
SMART NO. –

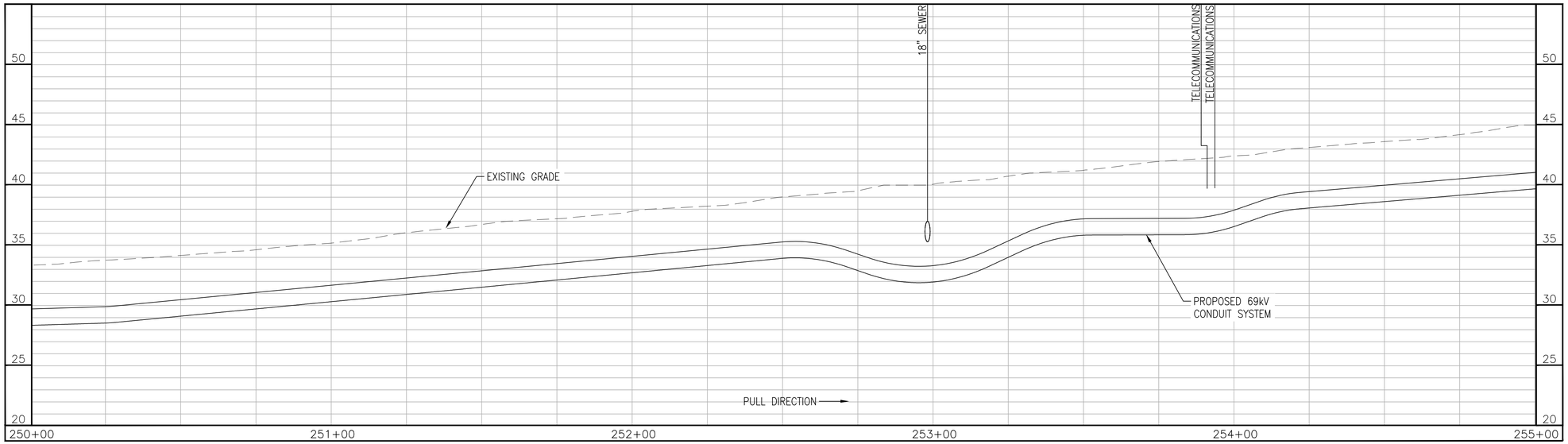
REVISION 1

SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

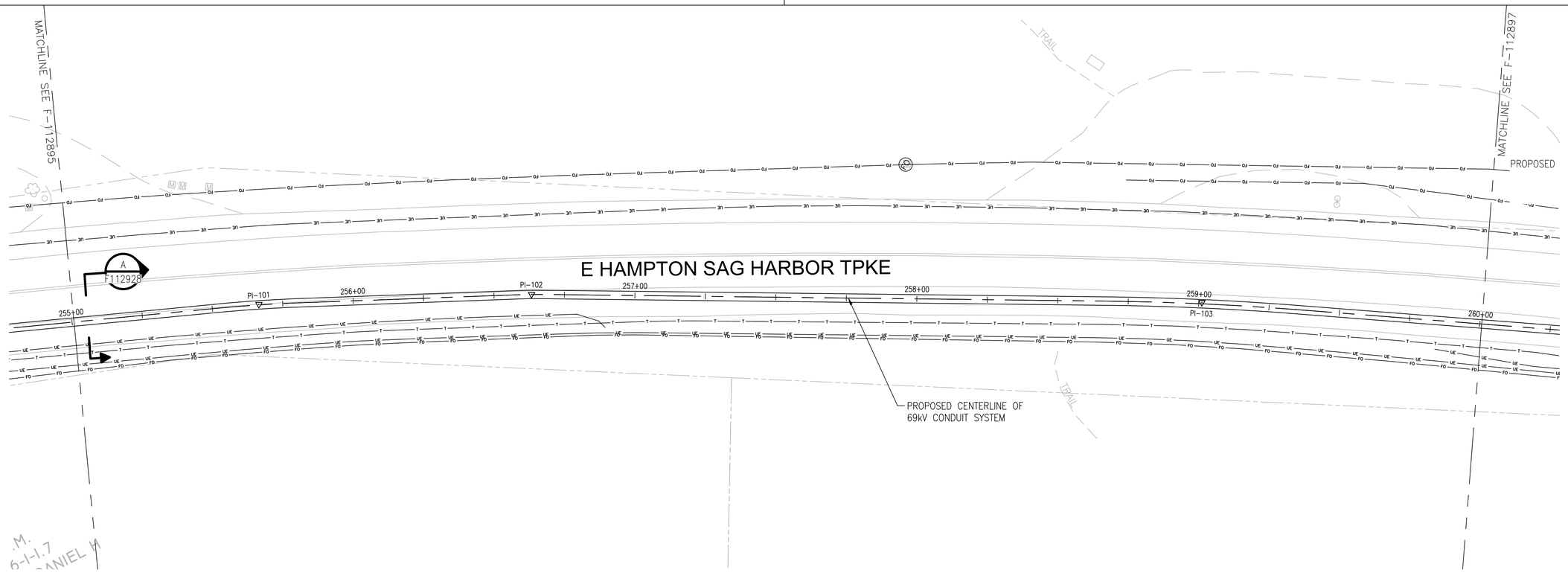
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 49 OF 80

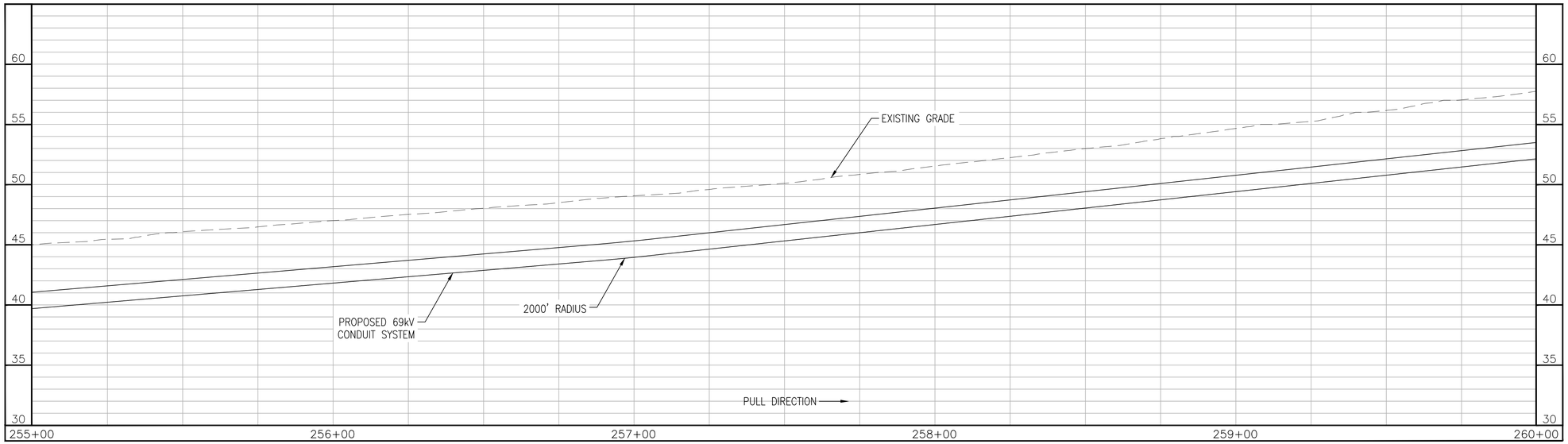
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112895
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

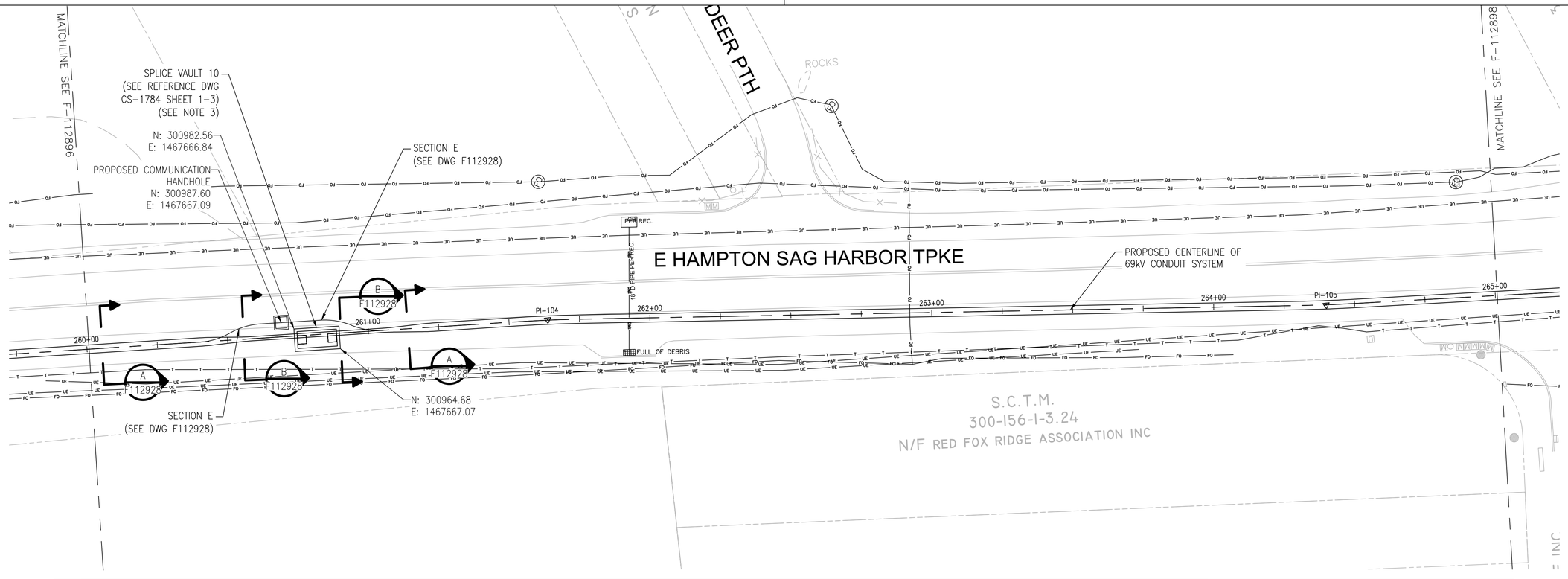
Long Island Power Authority
EAST HAMPTON, NEW YORK

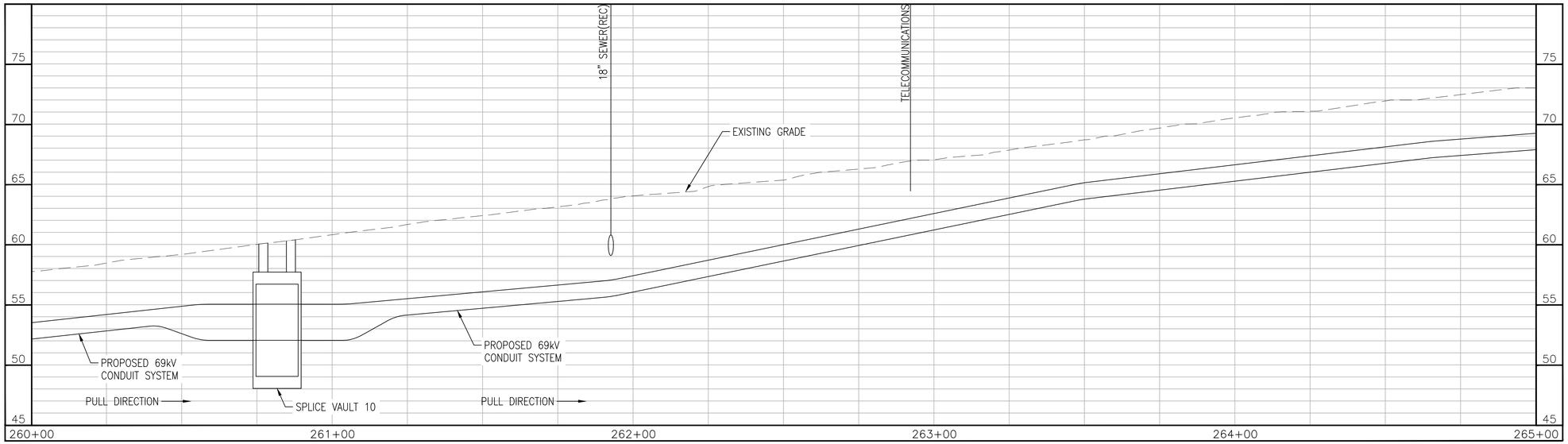
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 50 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112896
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

PRELIMINARY – NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

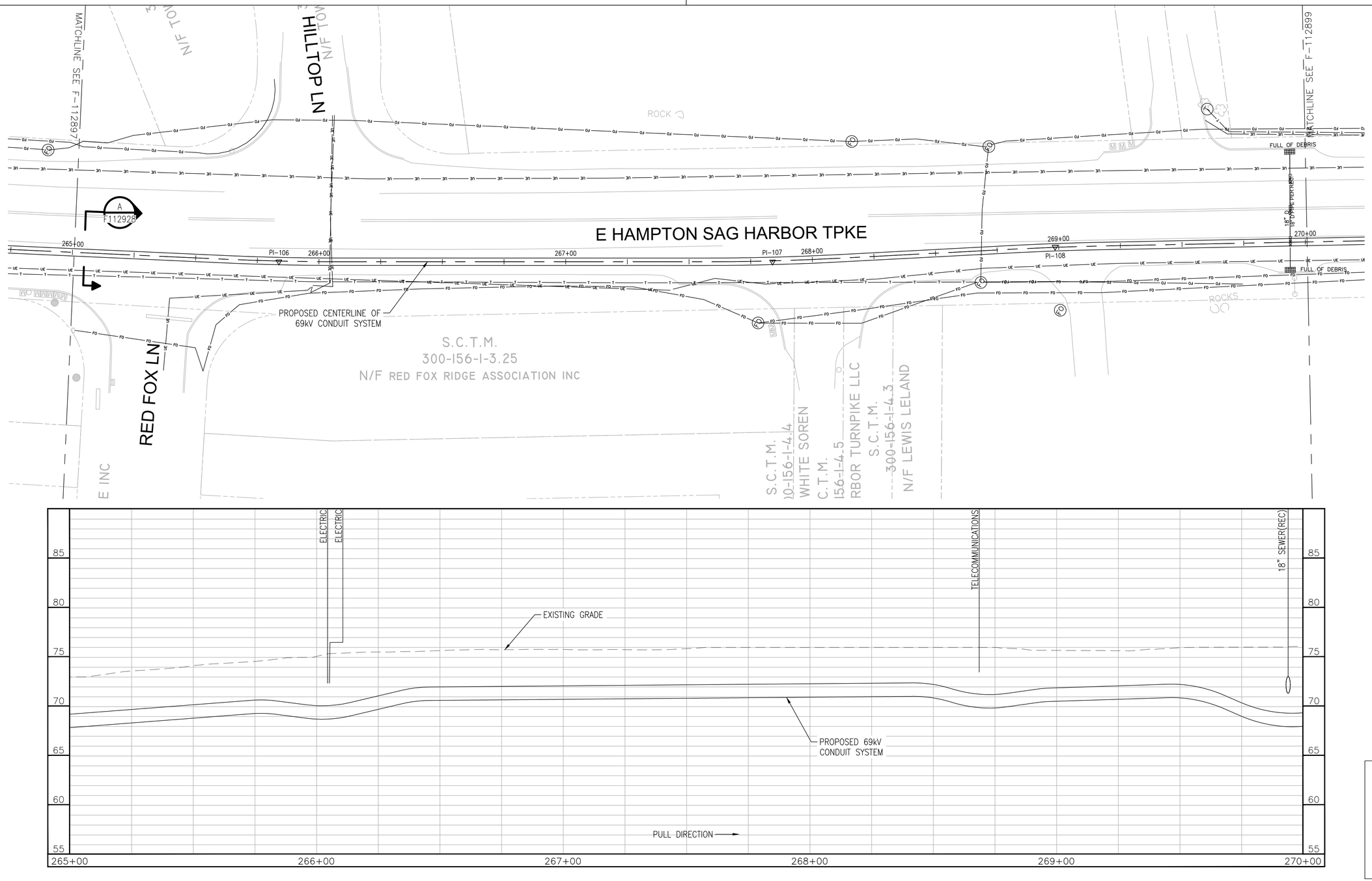
DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 51 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112897
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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HORIZONTAL SCALE IN FEET 0 10' 20' 40'

VERTICAL SCALE IN FEET 0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS MCDONNELL

PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER

JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 52 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112898

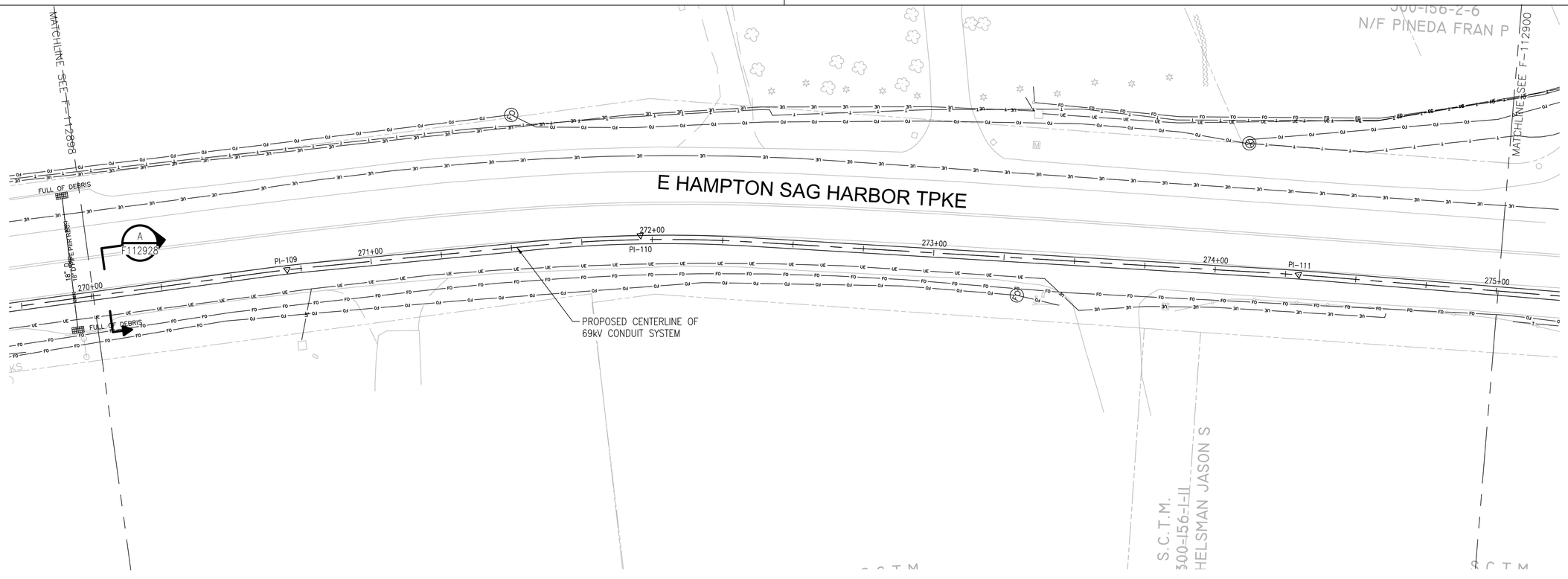
SMART NO. –

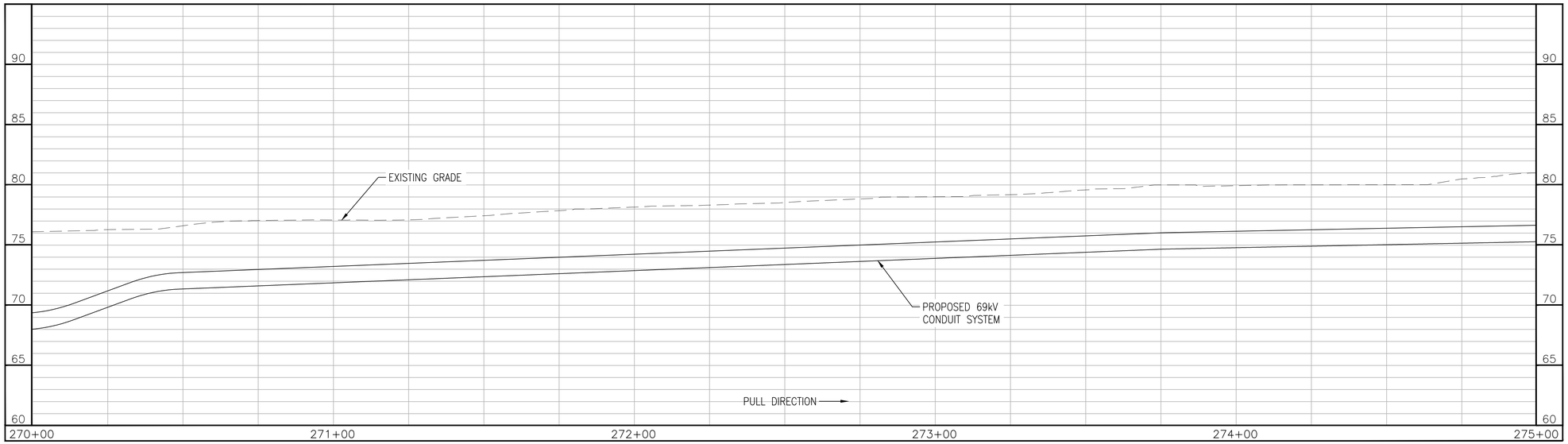
REVISION 1

SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

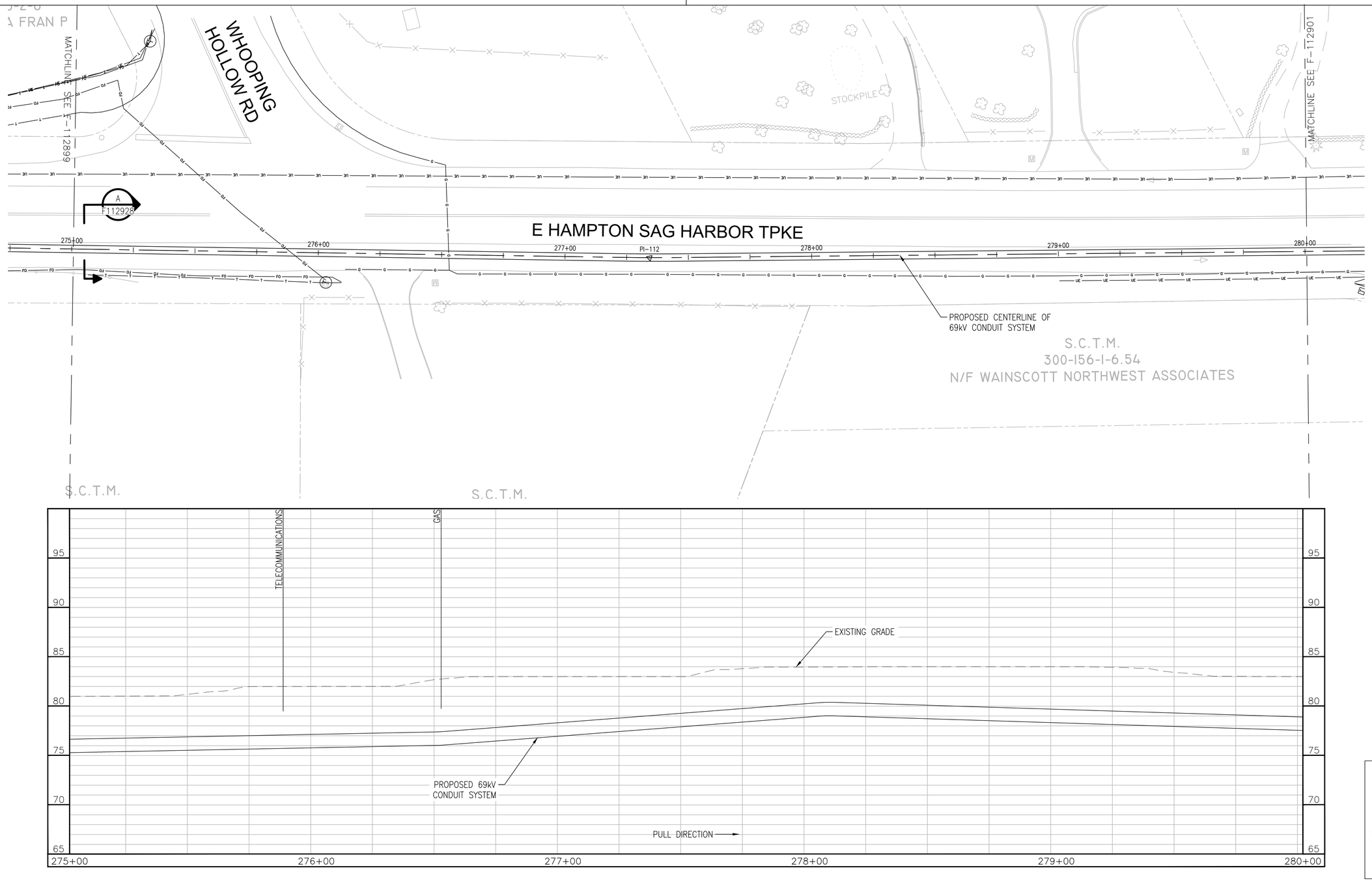
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 53 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112899
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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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.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

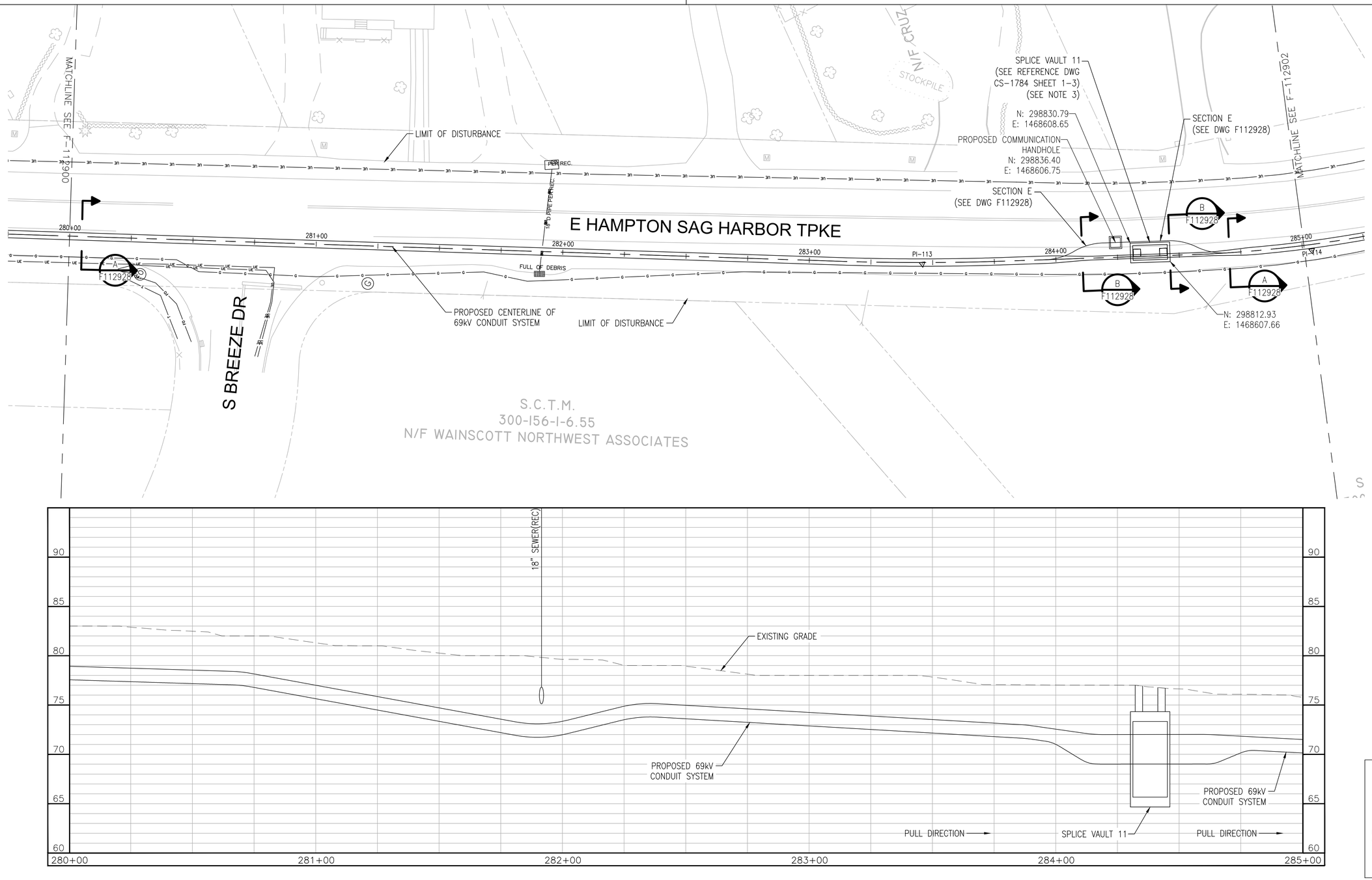
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 54 OF 80

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

SCALE	VENDOR DWG. NO.
HORIZ:1"=20' VERT: 1"=5'	

DRAWING NO.	SMART NO.	REVISION
F-112900	–	1

SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.



NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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: _____

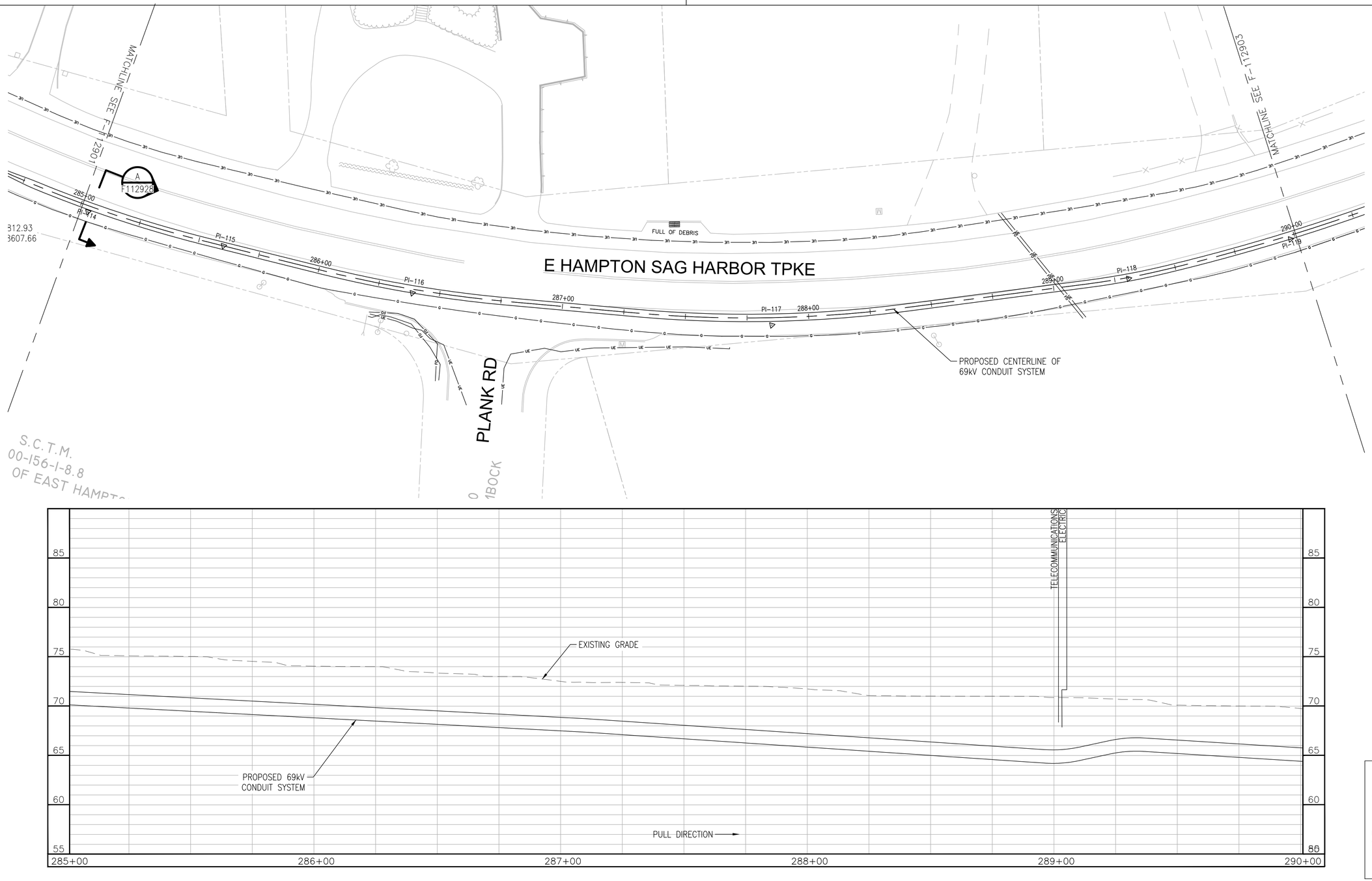
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 55 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112901
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PER: _____

DATE: _____

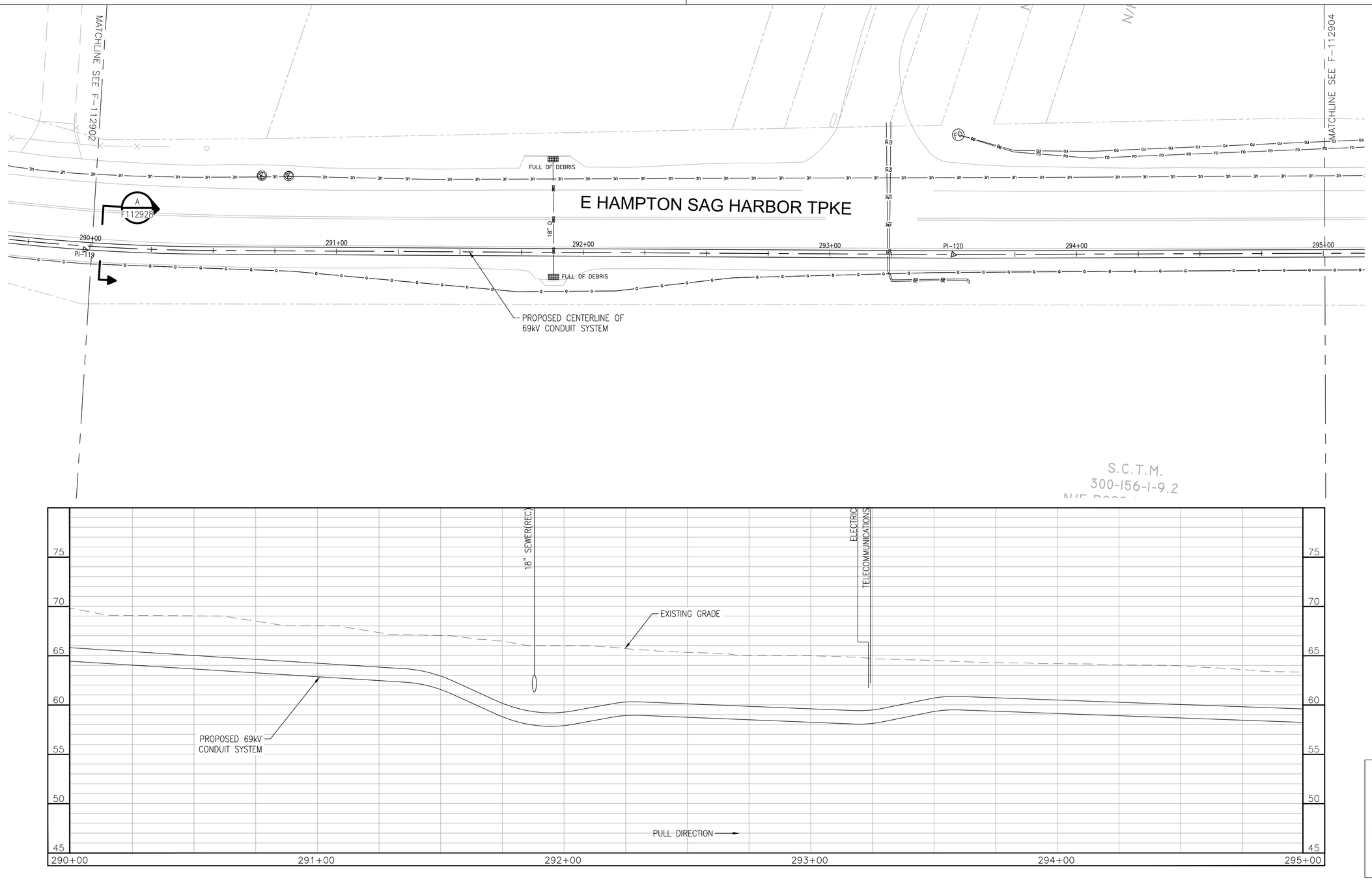
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 56 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112902
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



S.C.T.M.
300-156-1-9.2

NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
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108290
JUNE 26, 2024

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DATE: _____

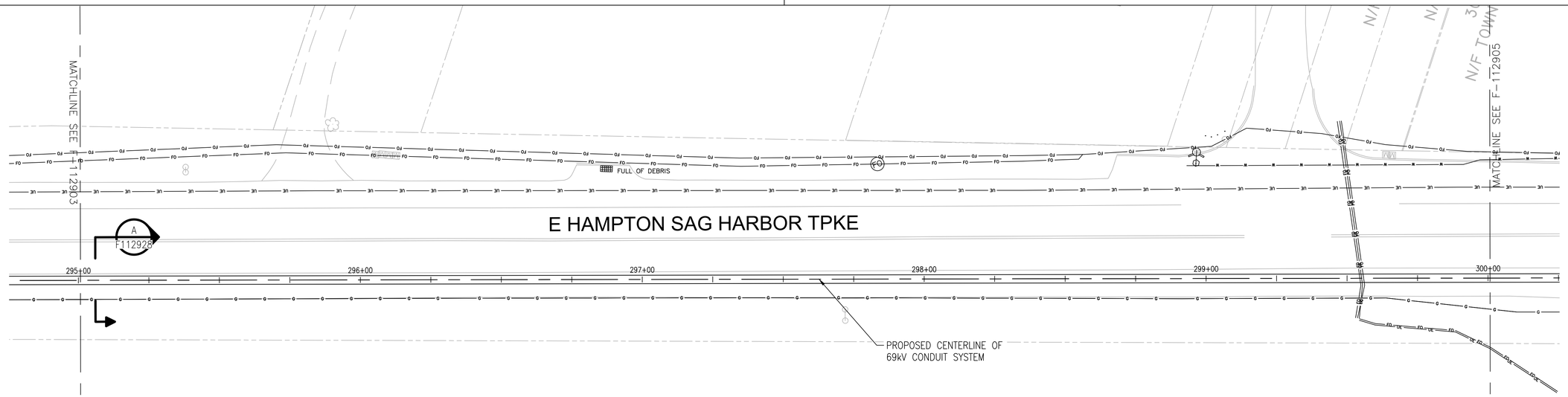
Long Island Power Authority
EAST HAMPTON, NEW YORK

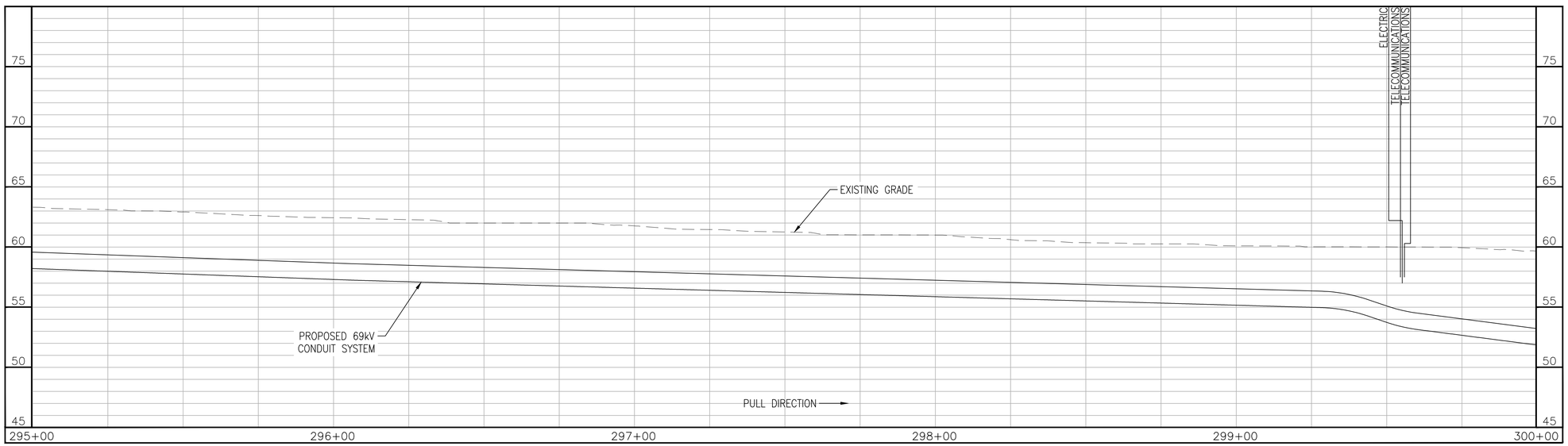
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 57 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112903
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





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

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REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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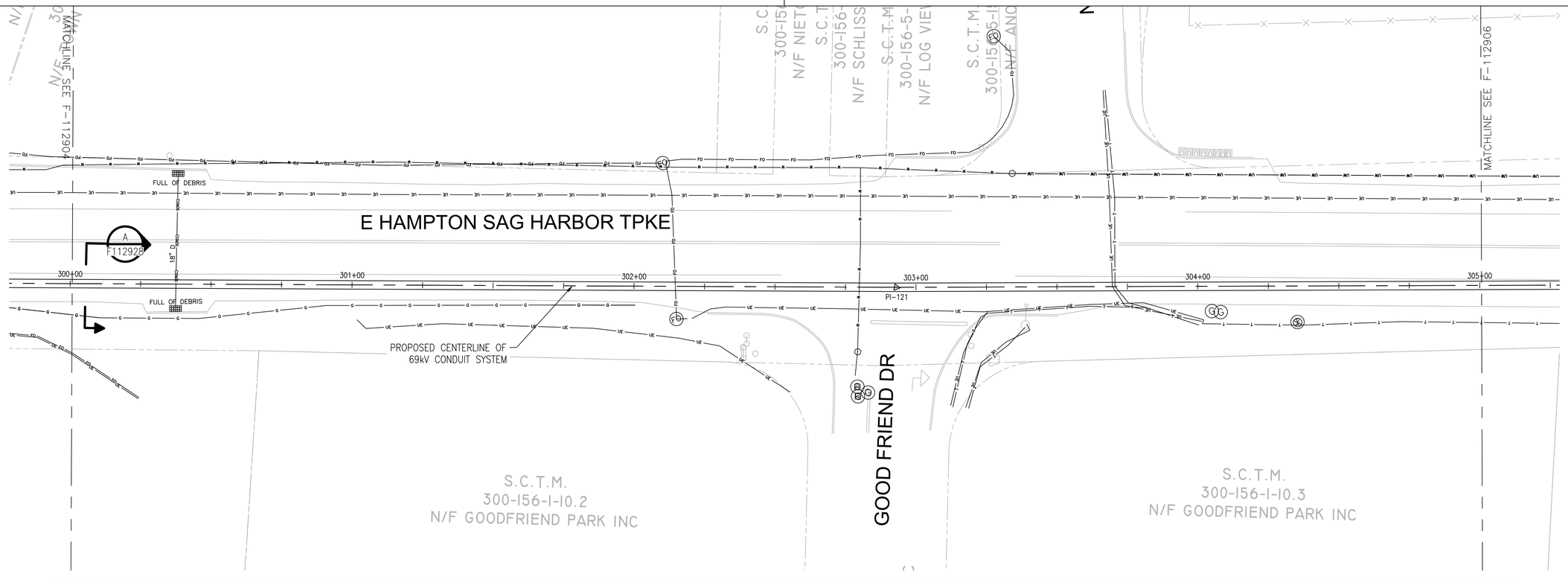
Long Island Power Authority
EAST HAMPTON, NEW YORK

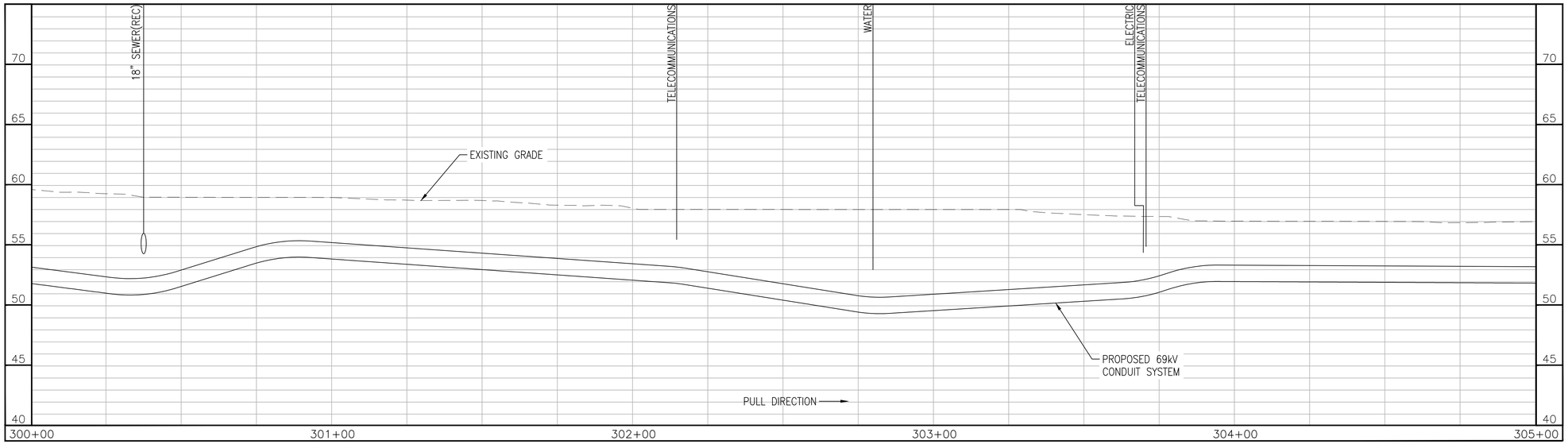
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 58 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112904
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





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

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FOR CONSTRUCTION

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BURNS McDONNELL
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Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

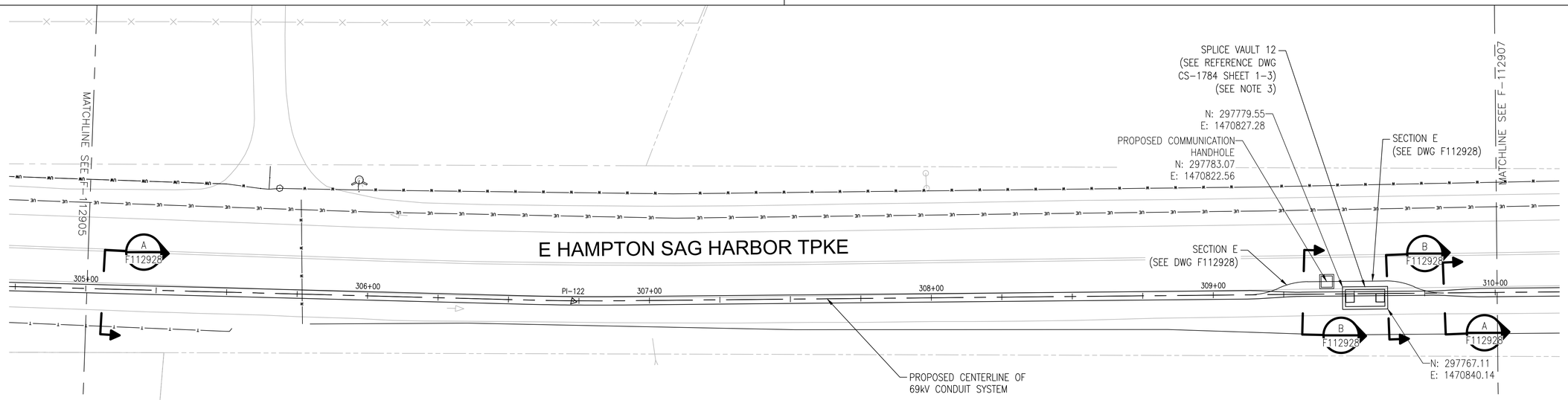
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 59 OF 80

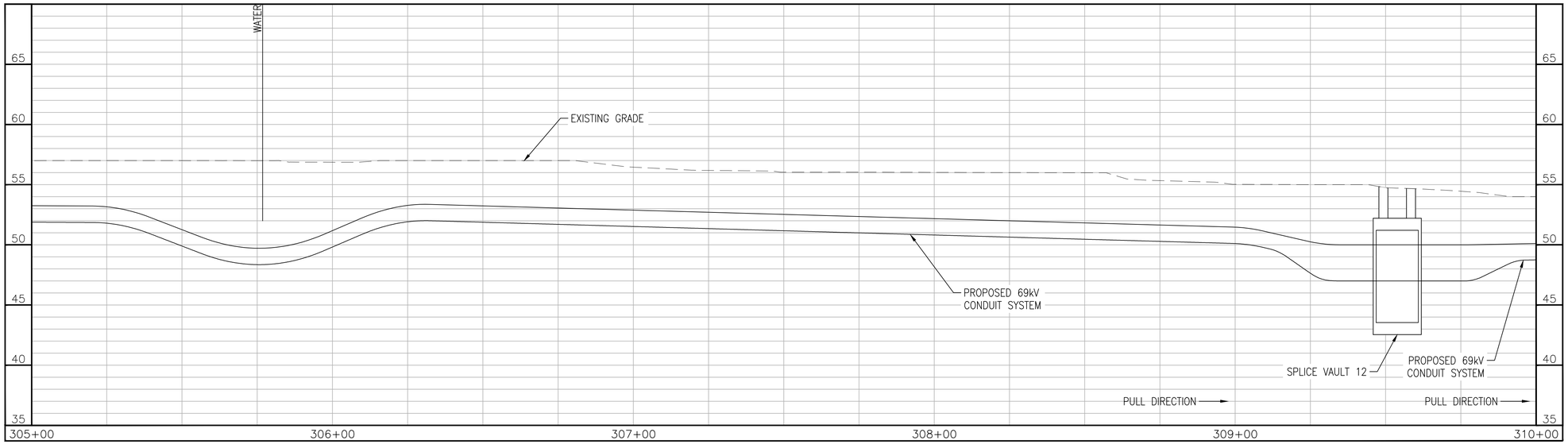
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112905
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

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REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
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BURNS McDONNELL
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STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
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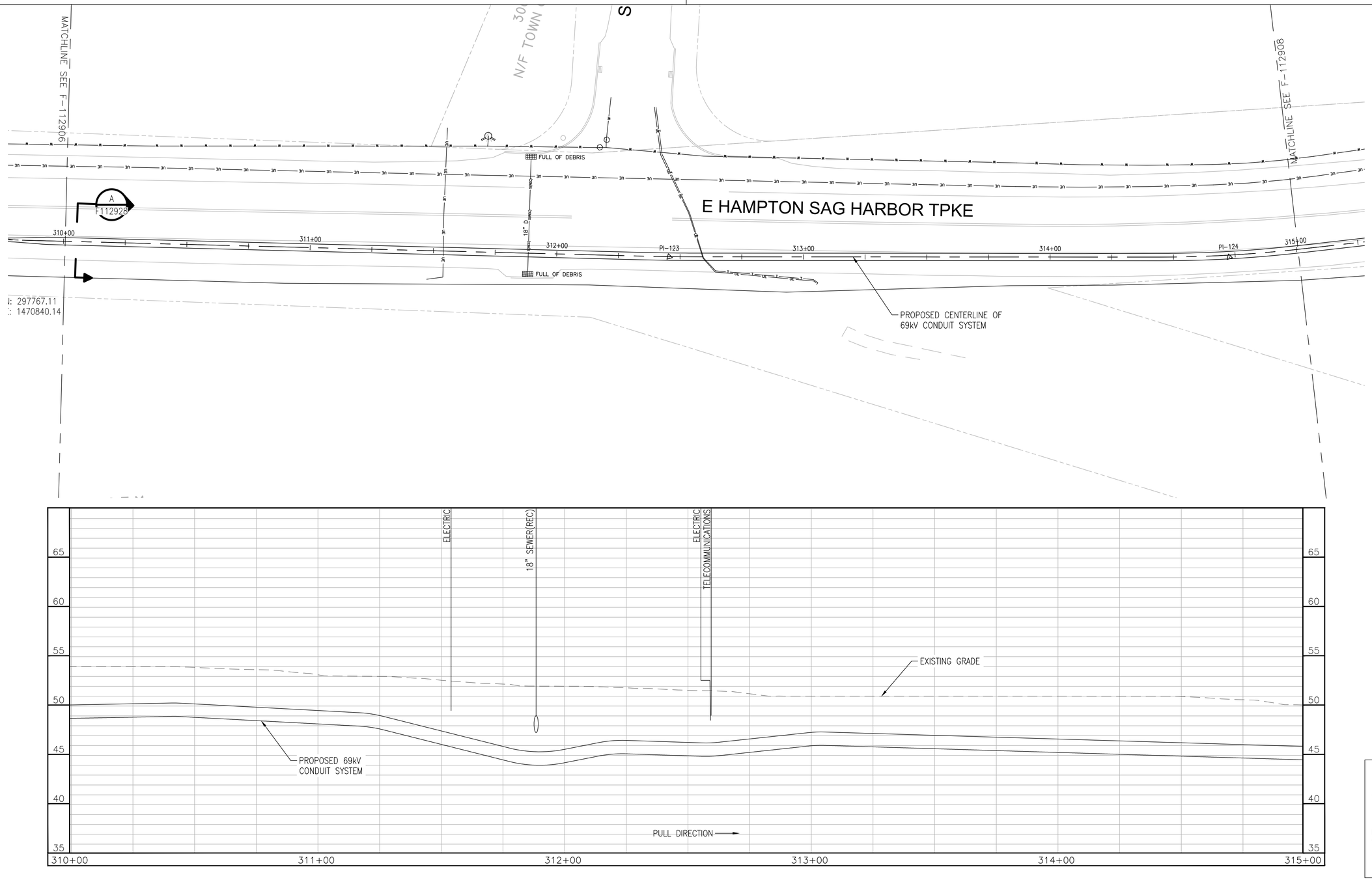
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 60 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112906
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
PROJ. NO. 163671

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ISSUE

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

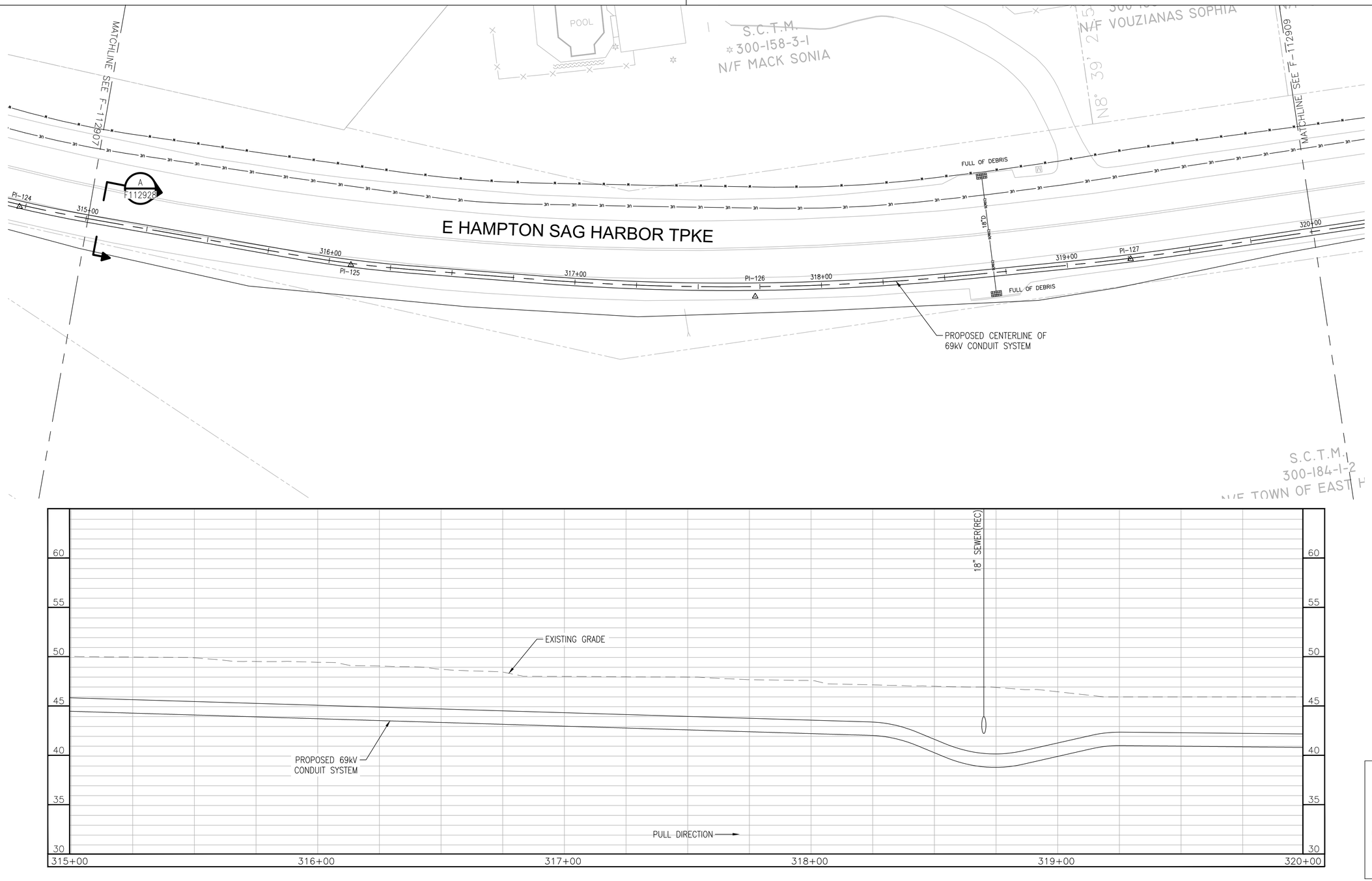
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 61 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112907
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
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BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

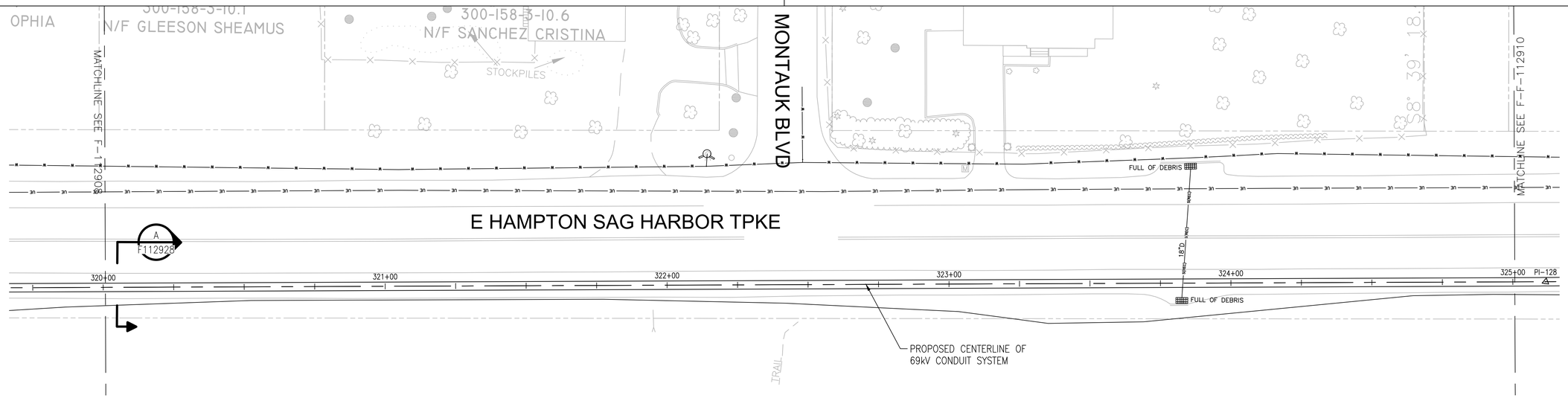
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 62 OF 80

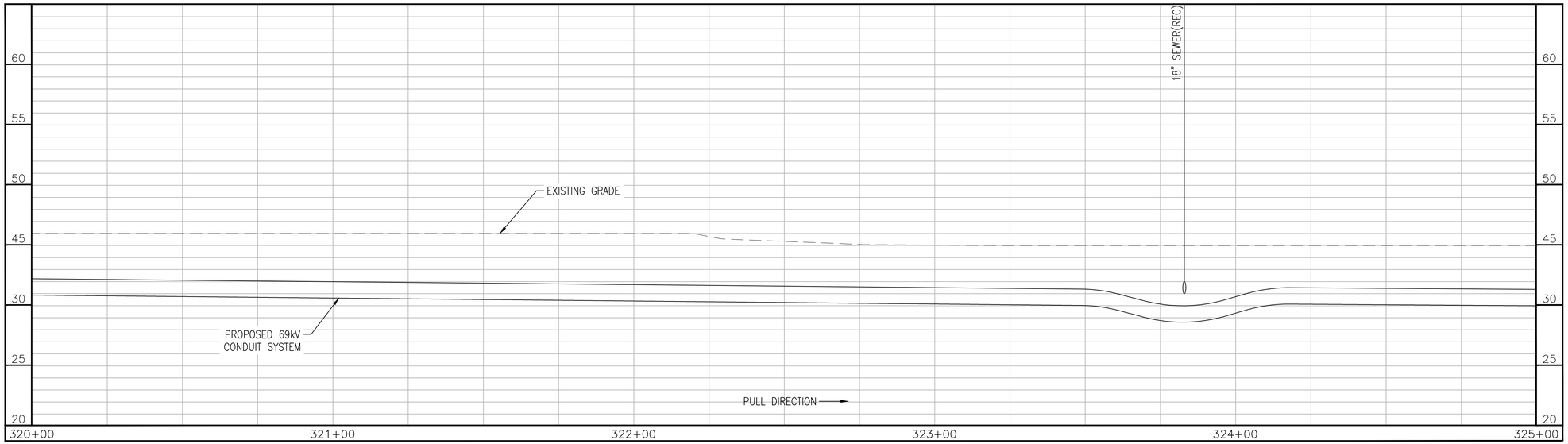
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.

DRAWING NO. F-112908
SMART NO. –
REVISION 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





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N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

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VERTICAL SCALE IN FEET

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REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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BURNS McDONNELL
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DAVID A. GOOCH
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LICENSED PROFESSIONAL ENGINEER
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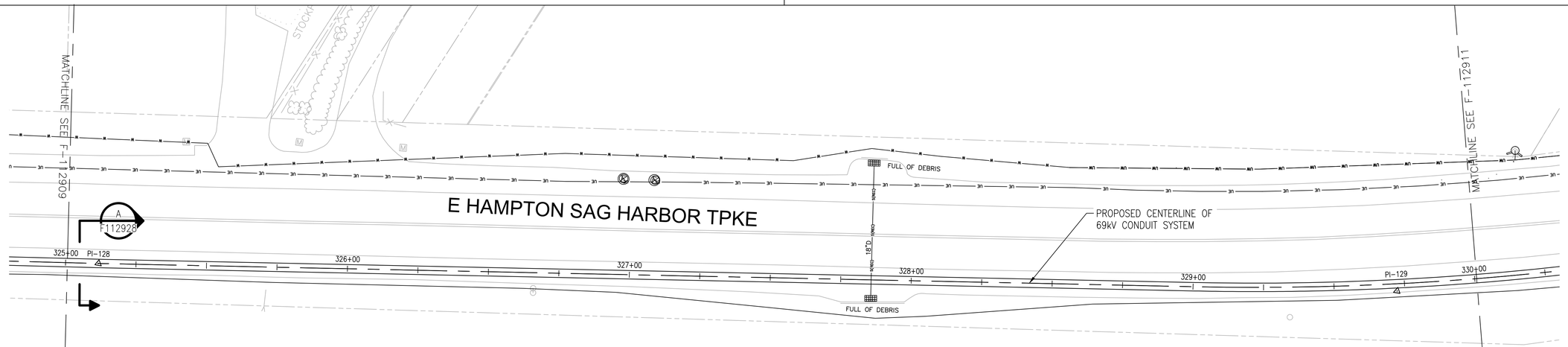
Long Island Power Authority
EAST HAMPTON, NEW YORK

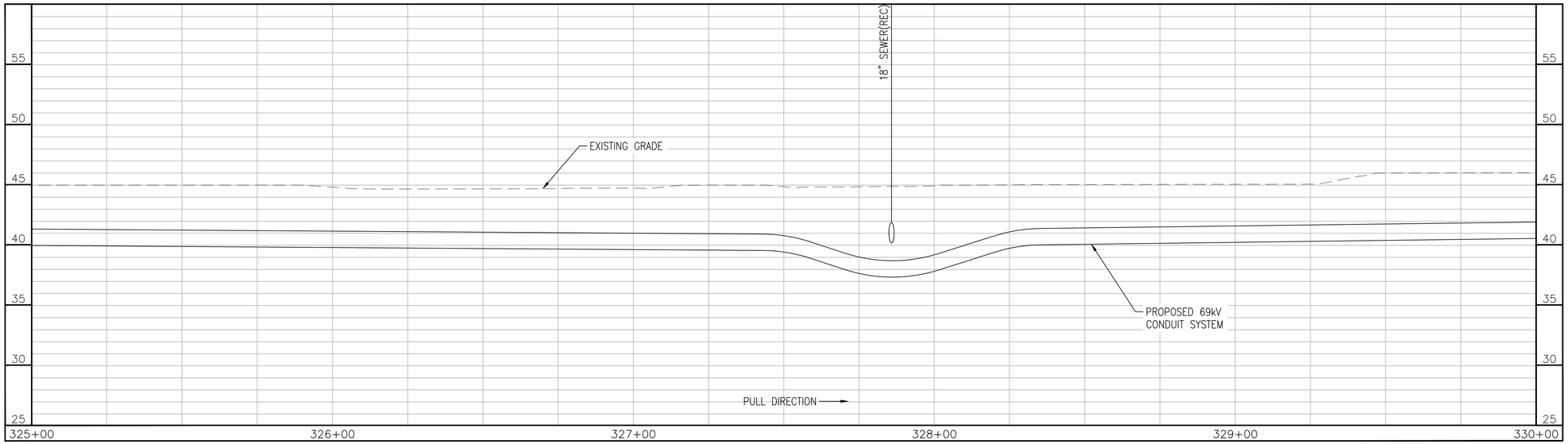
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 63 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112909
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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N

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HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

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69KV TRANSMISSION LINE

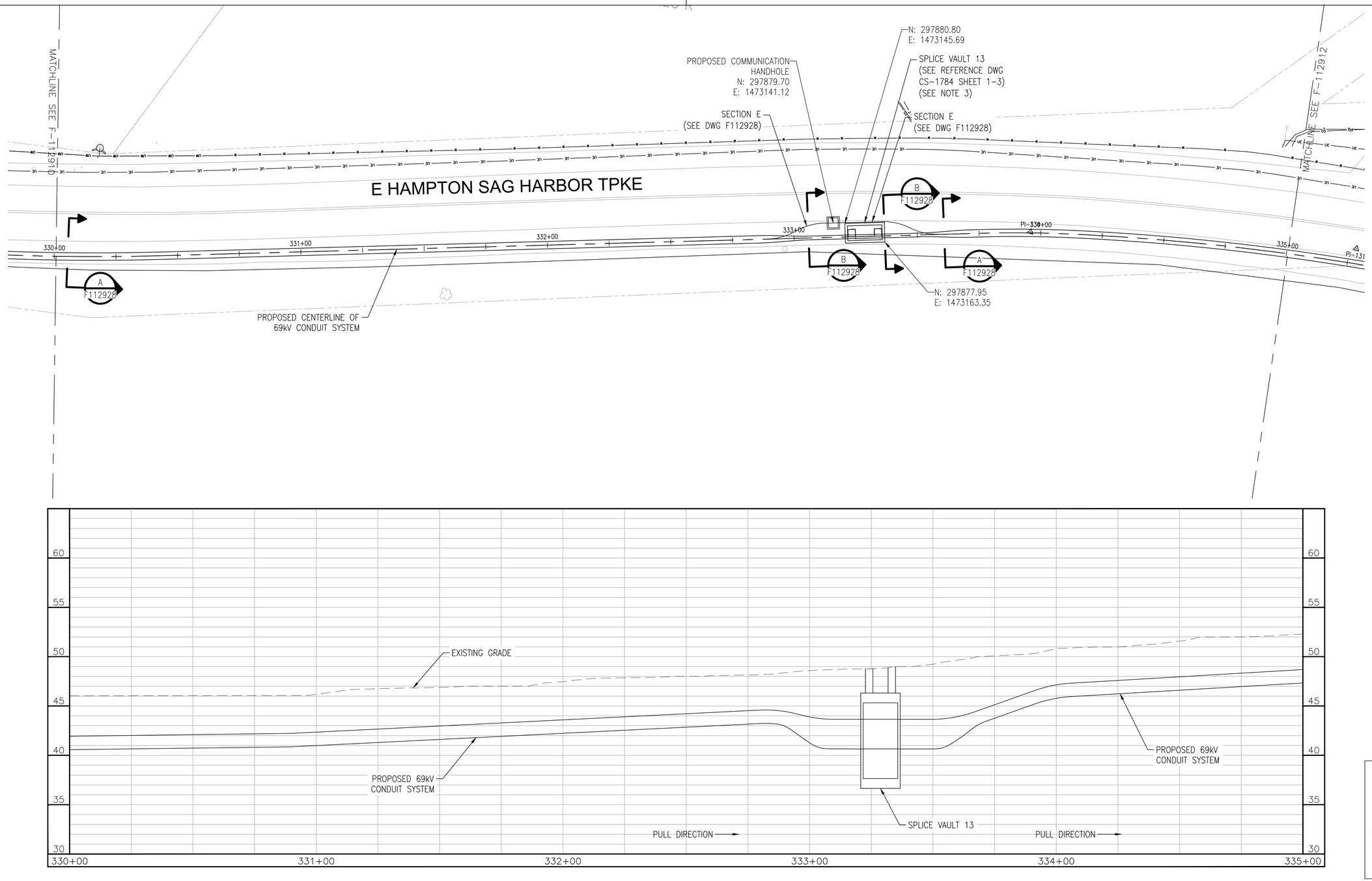
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 64 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112910
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

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: _____

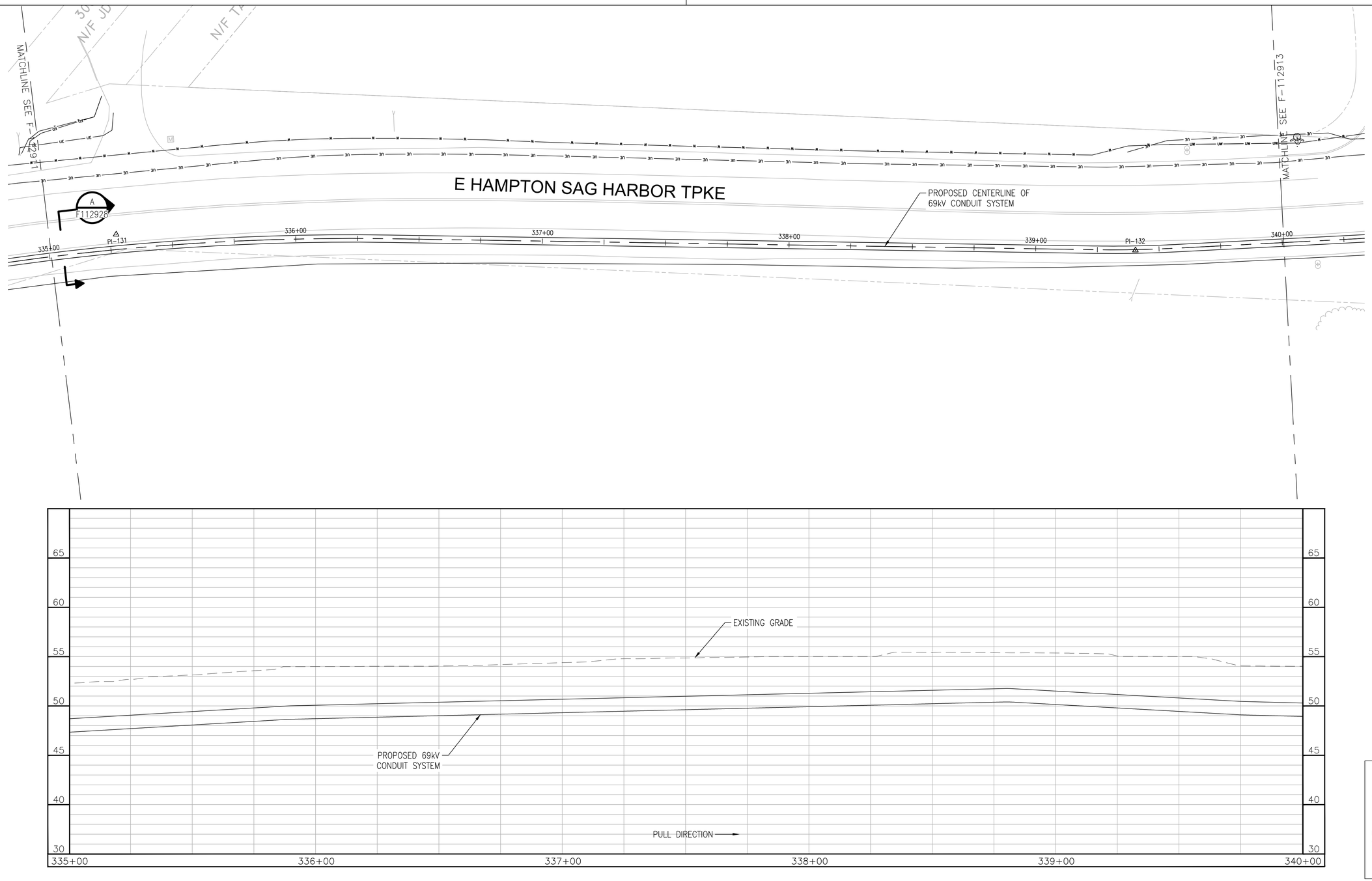
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 65 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112911
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290

JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

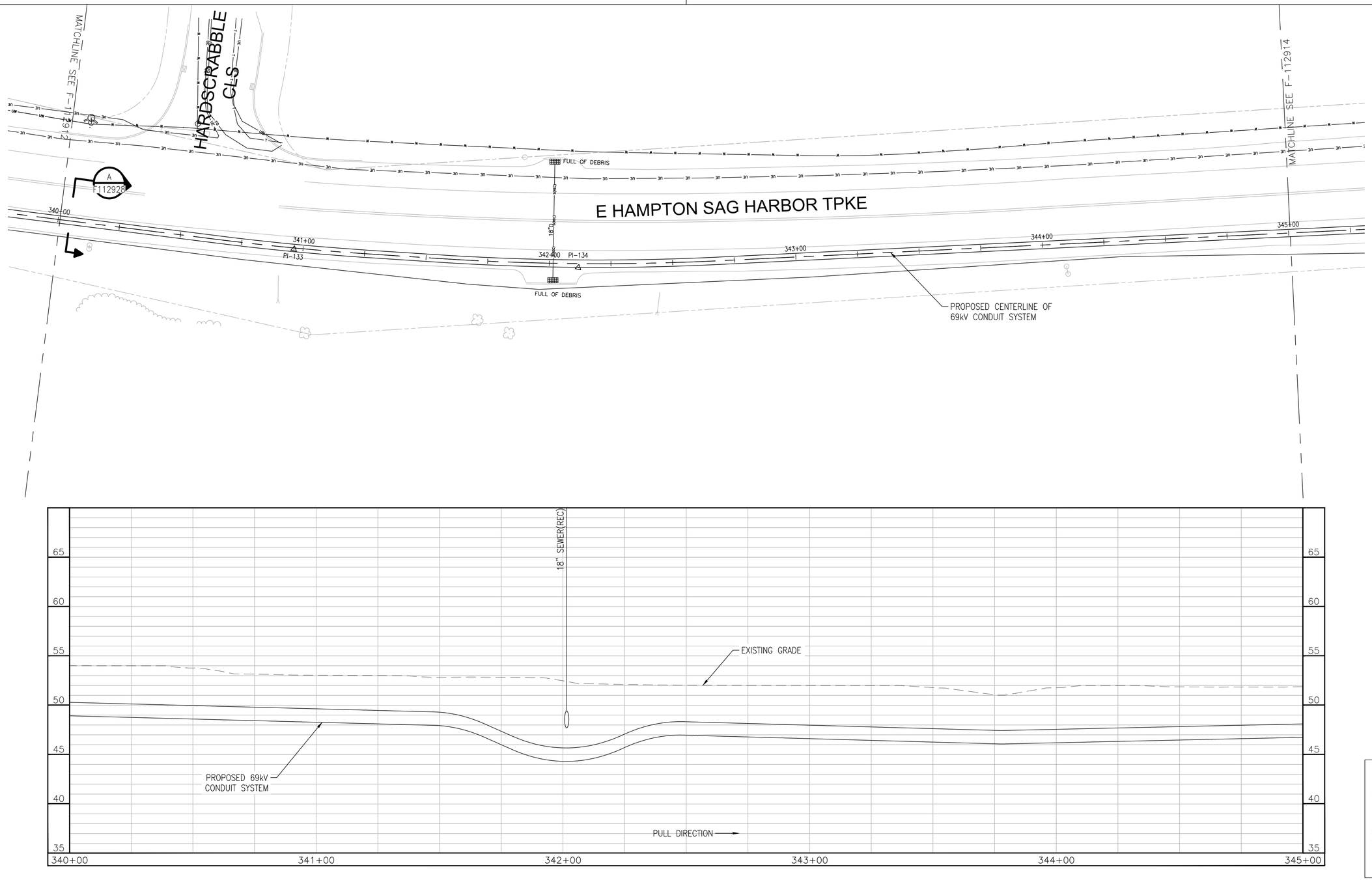
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 66 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112912
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290

JUNE 26, 2024

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PSEG Long Island

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DATE: _____

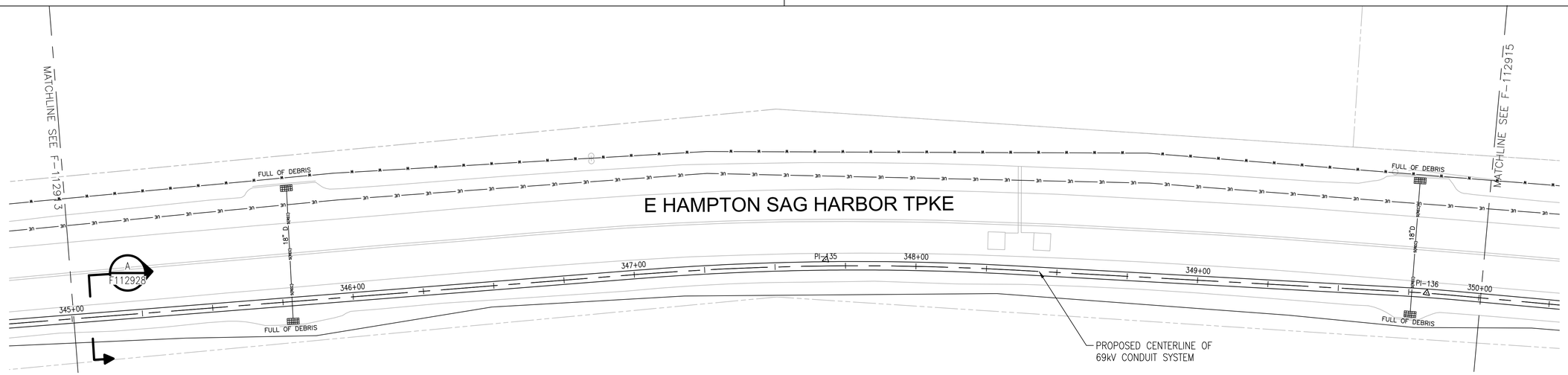
Long Island Power Authority
EAST HAMPTON, NEW YORK

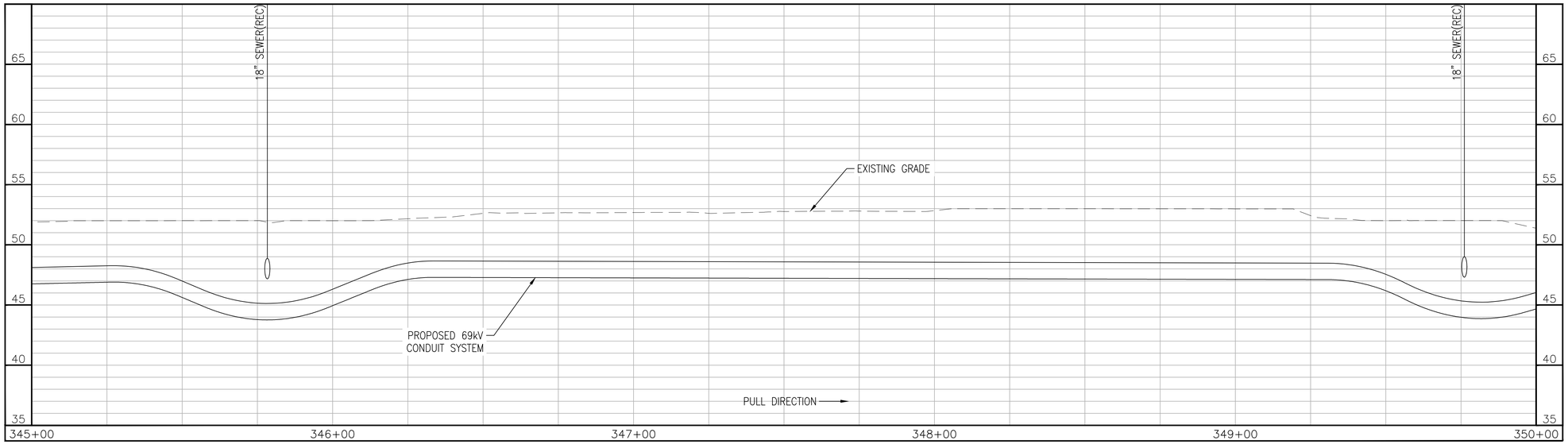
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 67 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112913
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





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N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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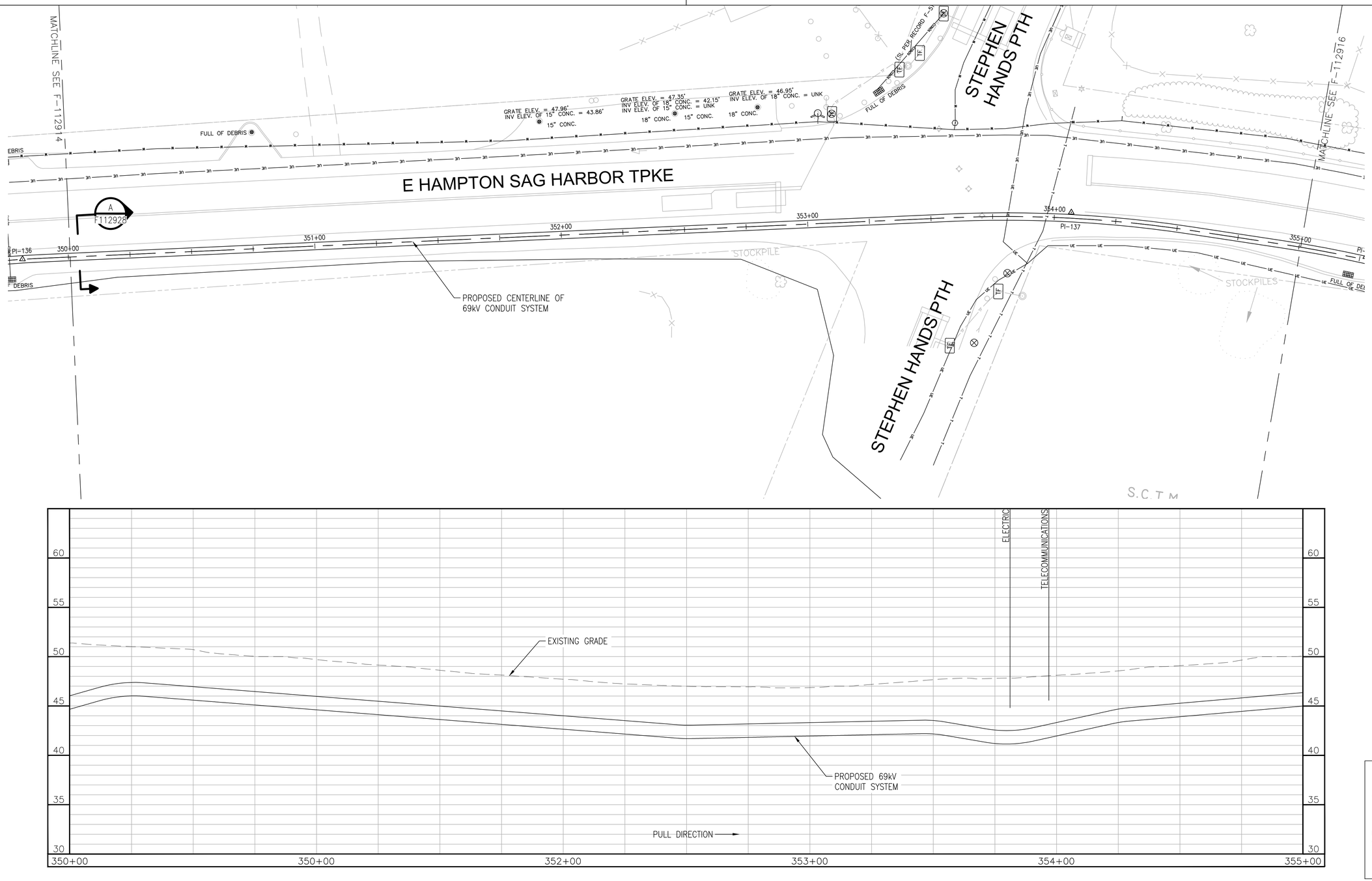
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 68 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112914
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



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N

0 10' 20' 40'
HORIZONTAL SCALE IN FEET

0 5' 10'
VERTICAL SCALE IN FEET

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
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LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

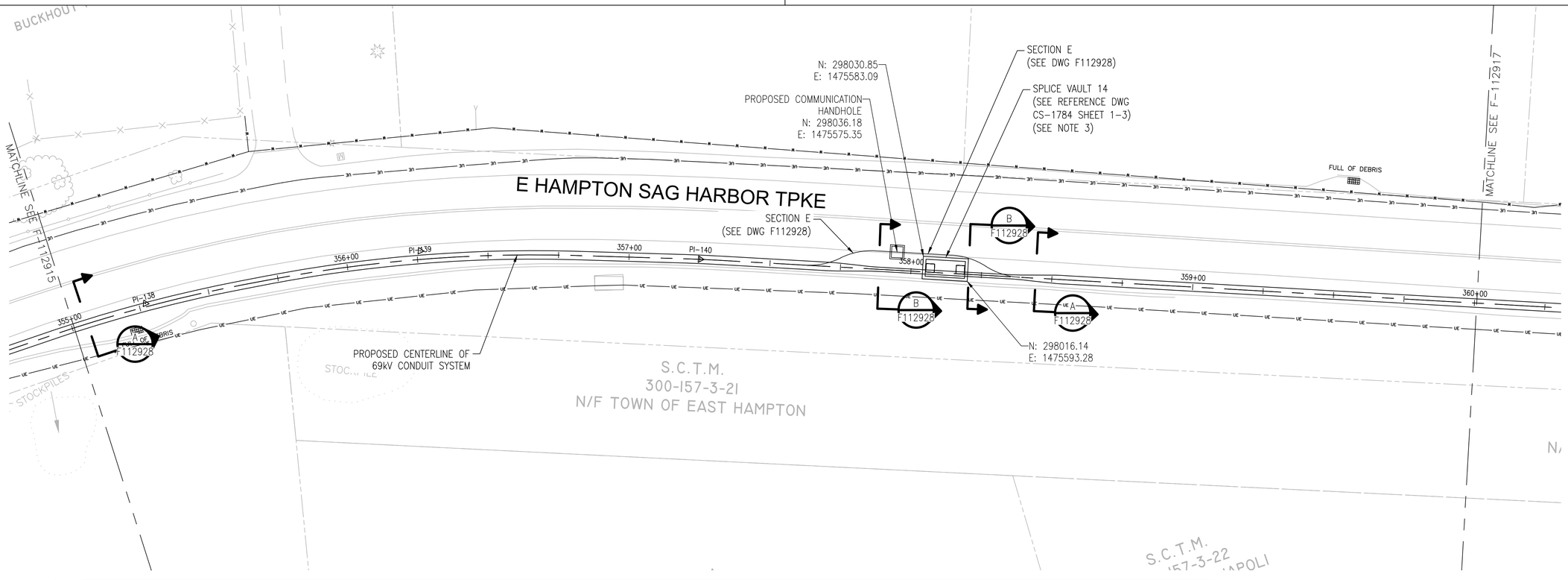
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 69 OF 80

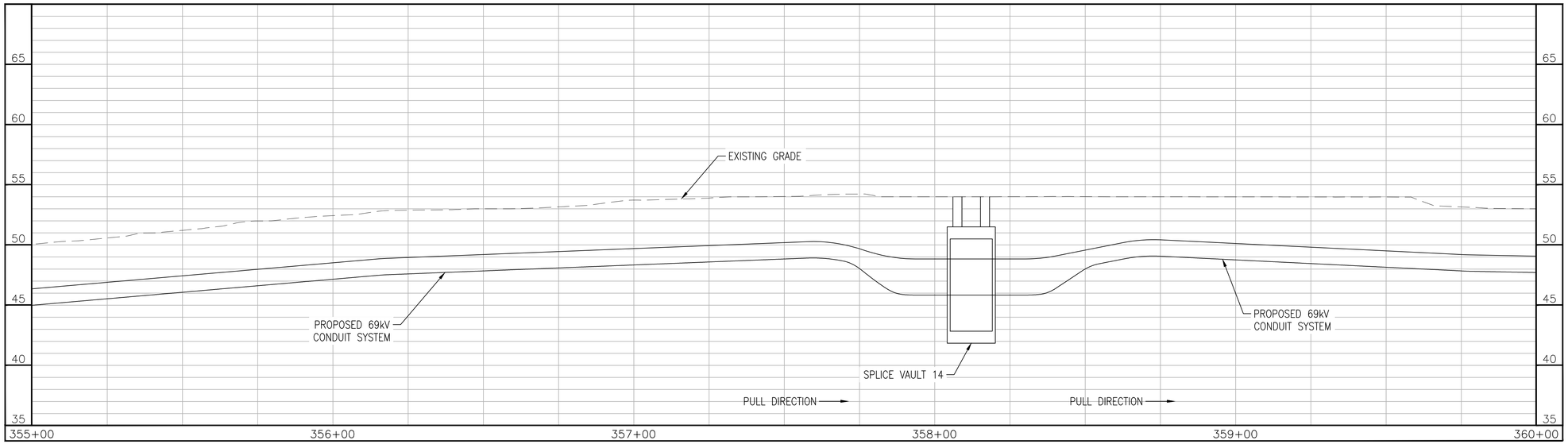
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE	VENDOR DWG. NO.
HORIZ:1"=20' VERT: 1"=5'	

DRAWING NO.	SMART NO.	REVISION
F-112915	–	1

SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.





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3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

HORIZONTAL SCALE IN FEET: 0 10' 20' 40'

VERTICAL SCALE IN FEET: 0 5' 10'

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
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BURNS McDONNELL

PROJ. NO. 163671

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STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER

JUNE 26, 2024

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Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 70 OF 80

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

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

VENDOR DWG. NO.

DRAWING NO. F-112916

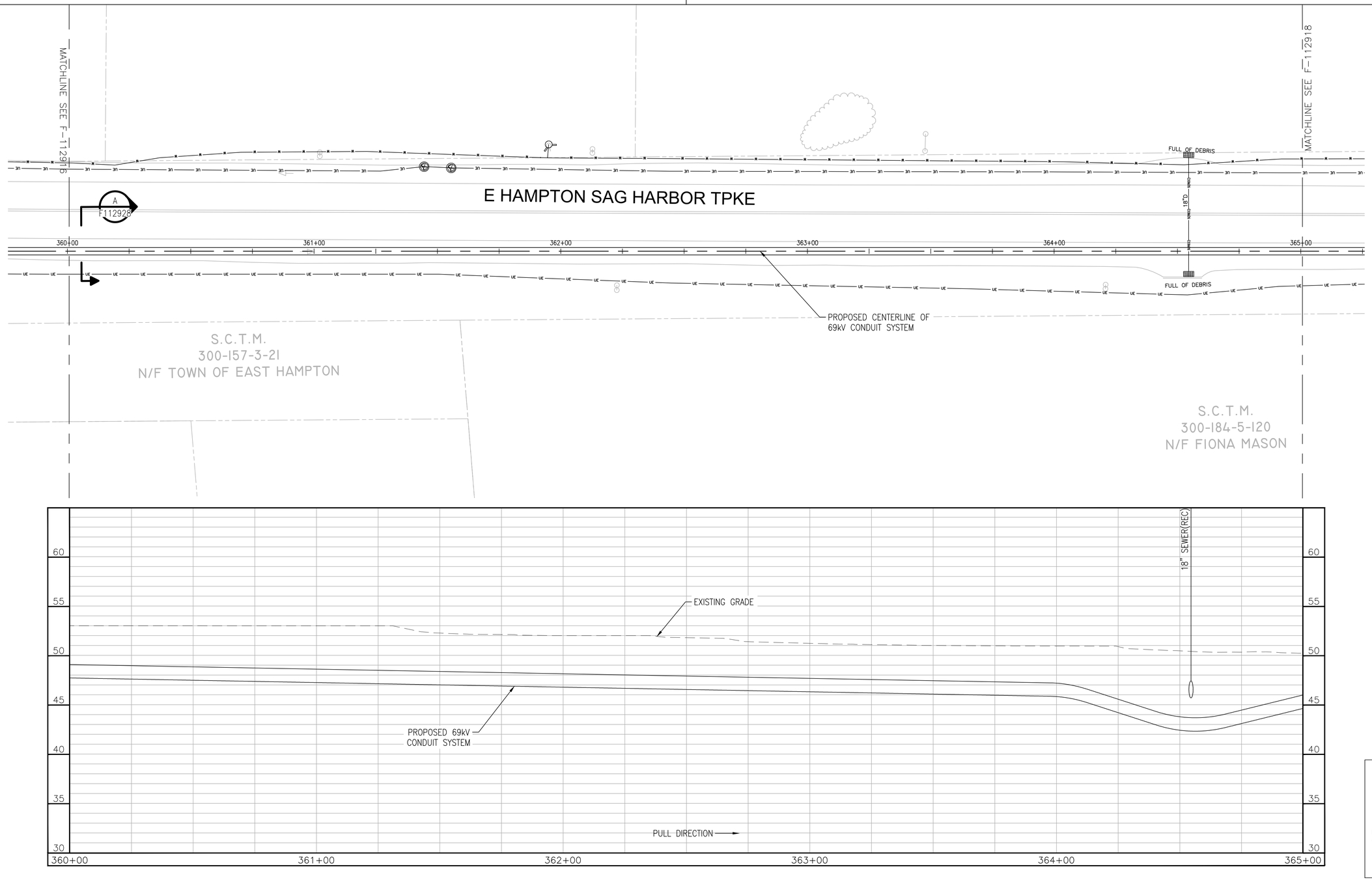
SMART NO. –

REVISION 1

SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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DATE: _____

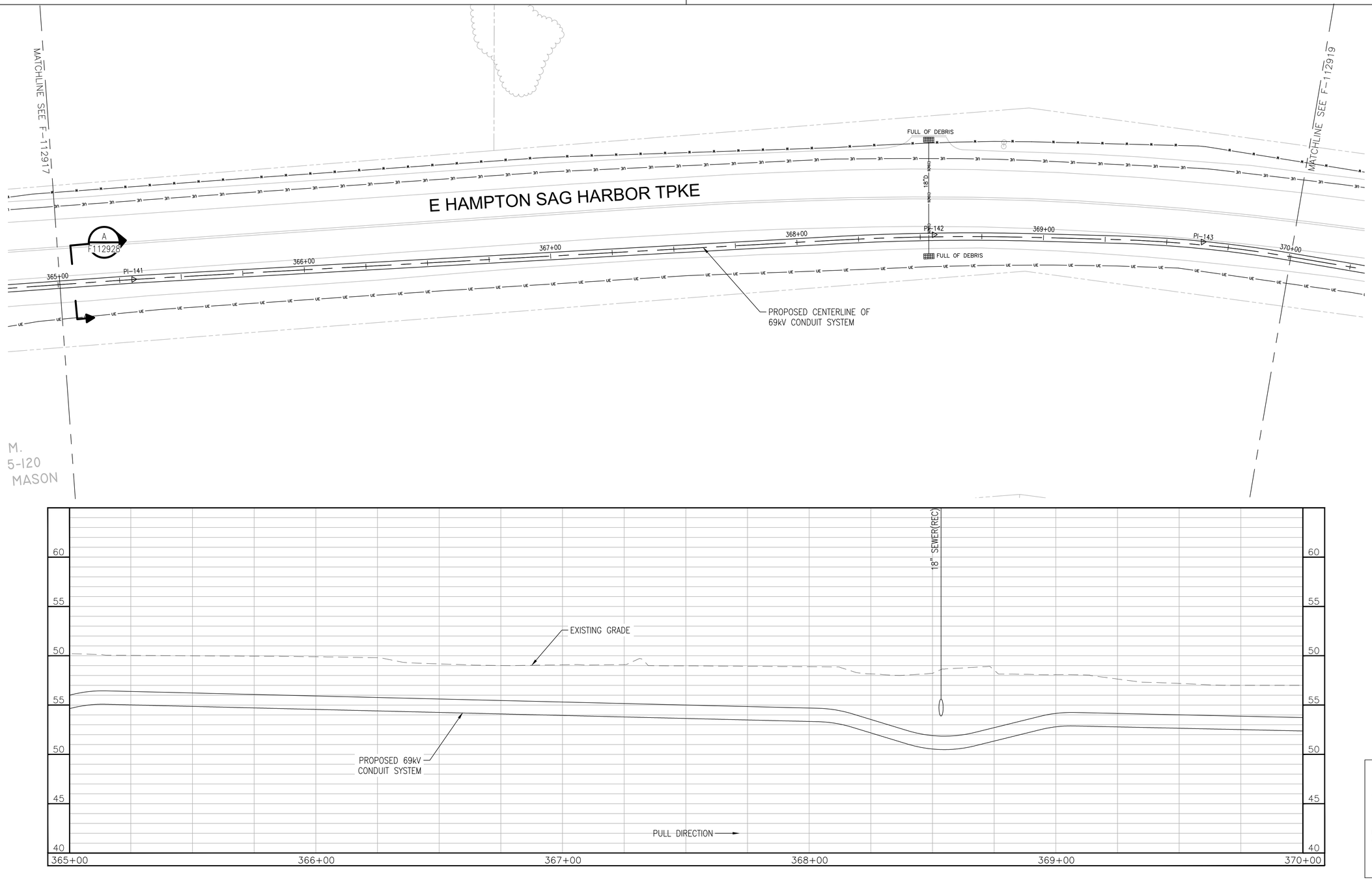
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 71 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112917
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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DATE: _____

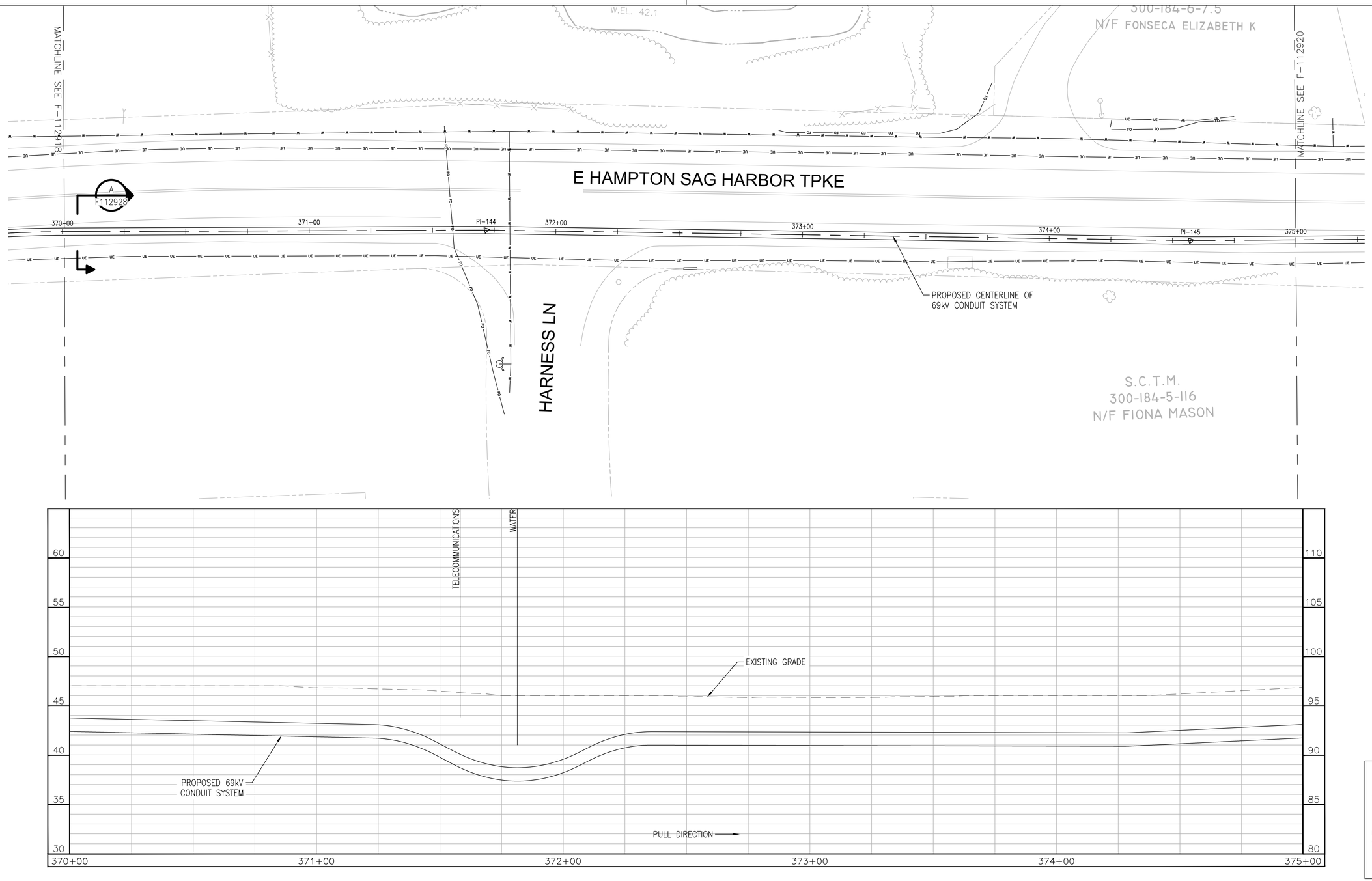
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 72 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112918
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

APPROVED WITH CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

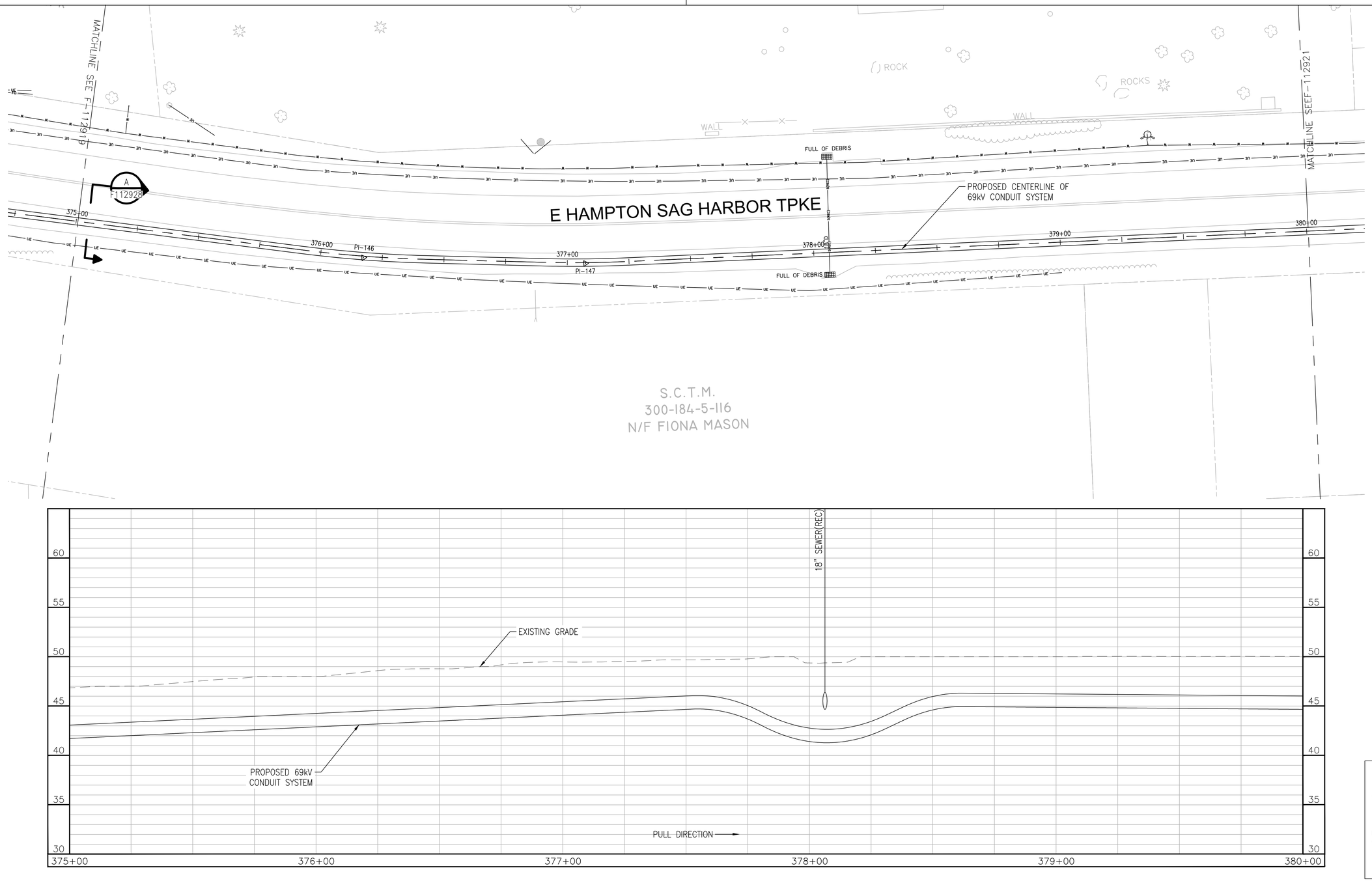
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 73 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112919
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



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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.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
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BURNS McDONNELL
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STATE OF NEW YORK
DAVID A. GOOD
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

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DATE: _____

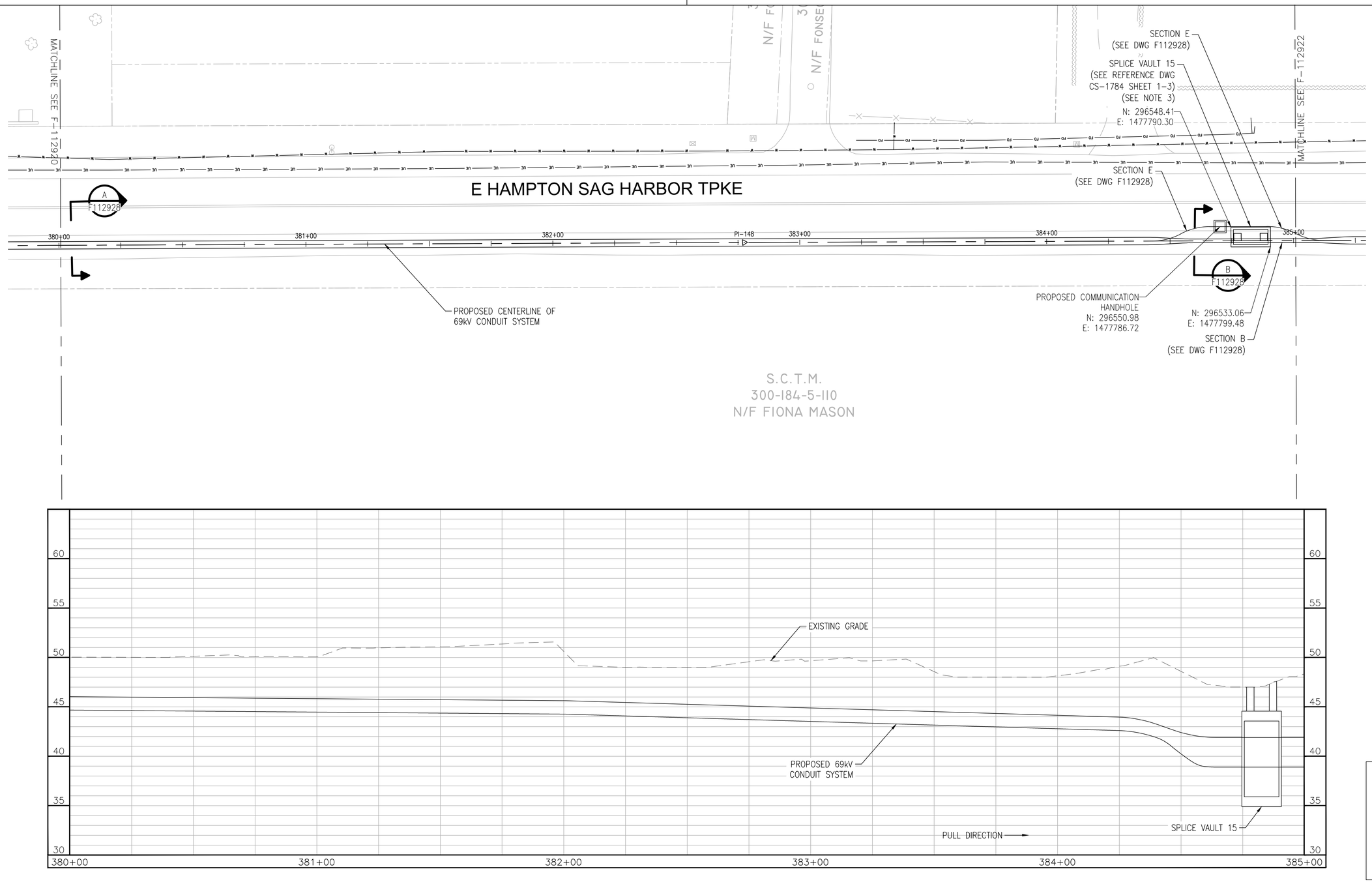
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 74 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112920
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



NOTES:

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3. SEE DETAIL 1, F112929 FOR MANHOLE ORIENTATION.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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STATE OF NEW YORK
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LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

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: _____

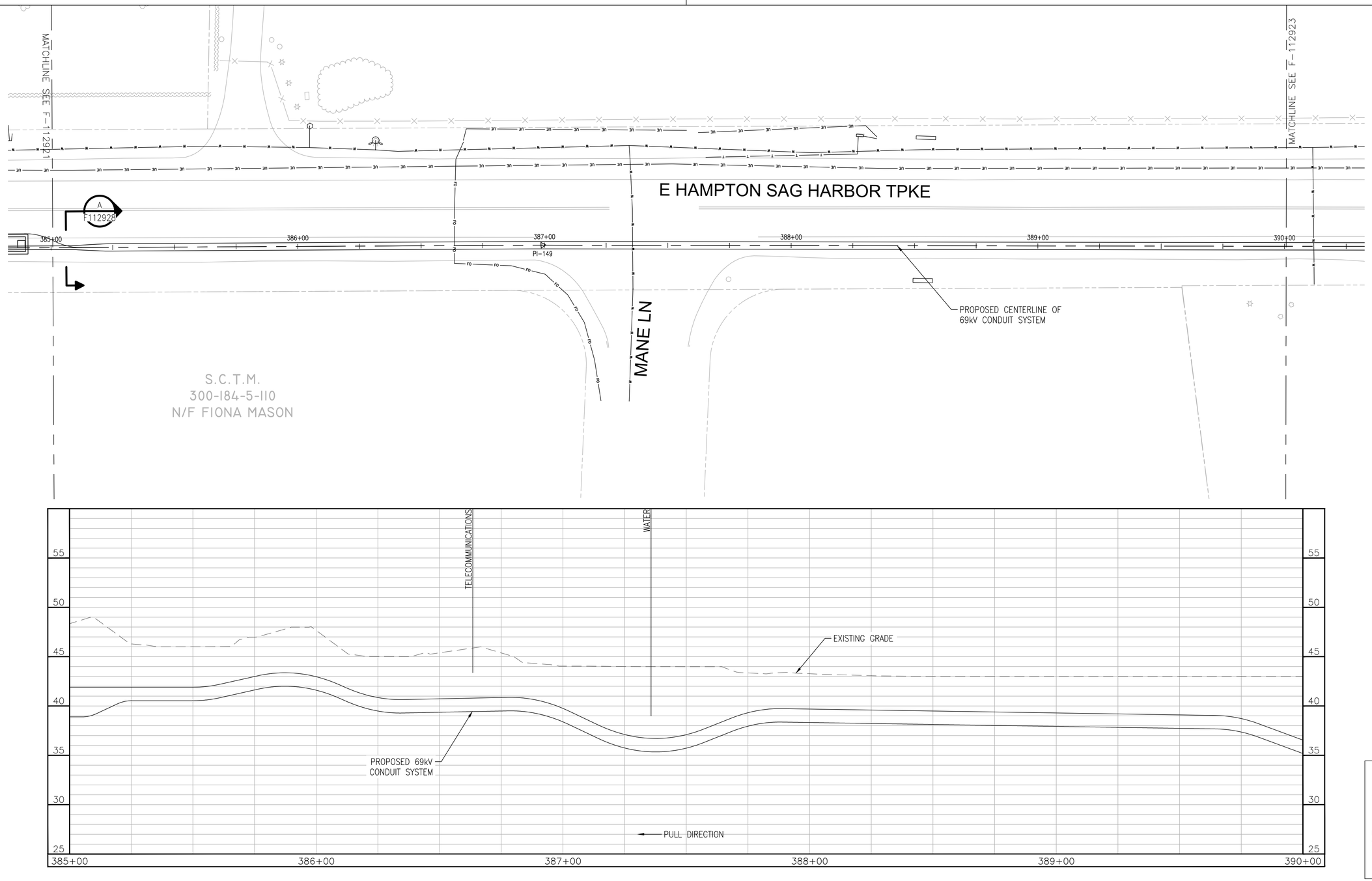
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 75 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.
DRAWING NO. F-112921
SMART NO.
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

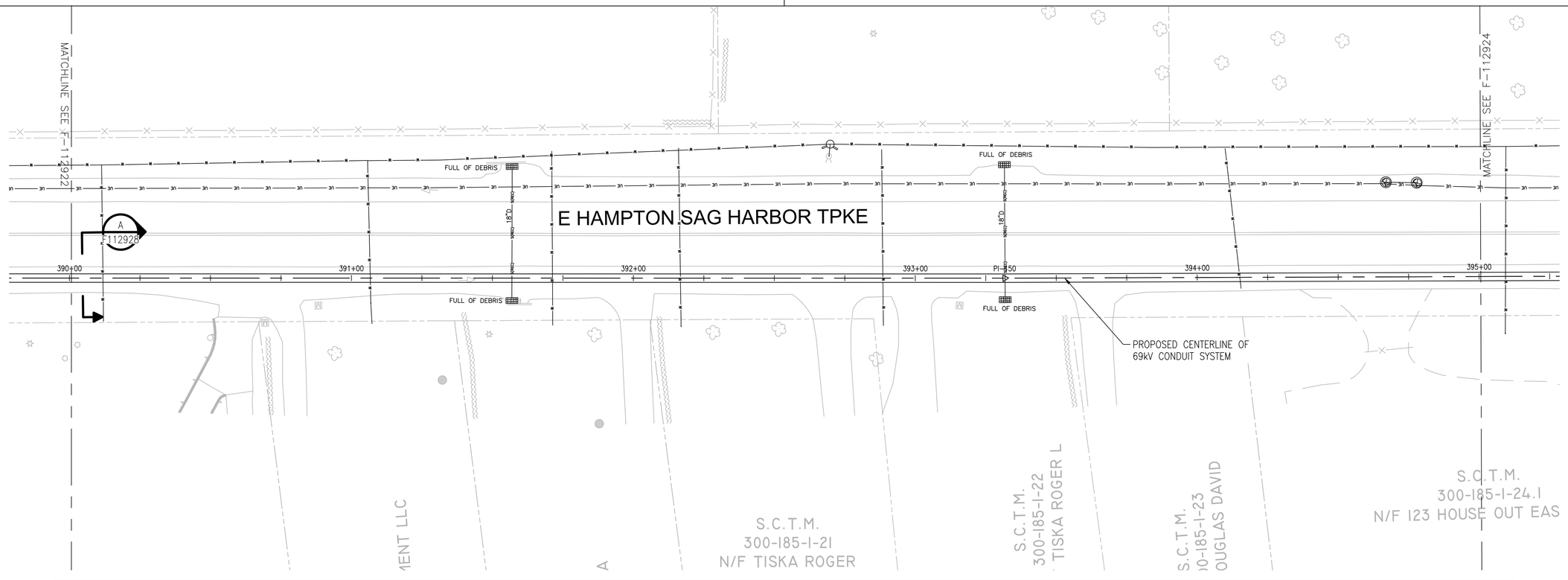
Long Island Power Authority
EAST HAMPTON, NEW YORK

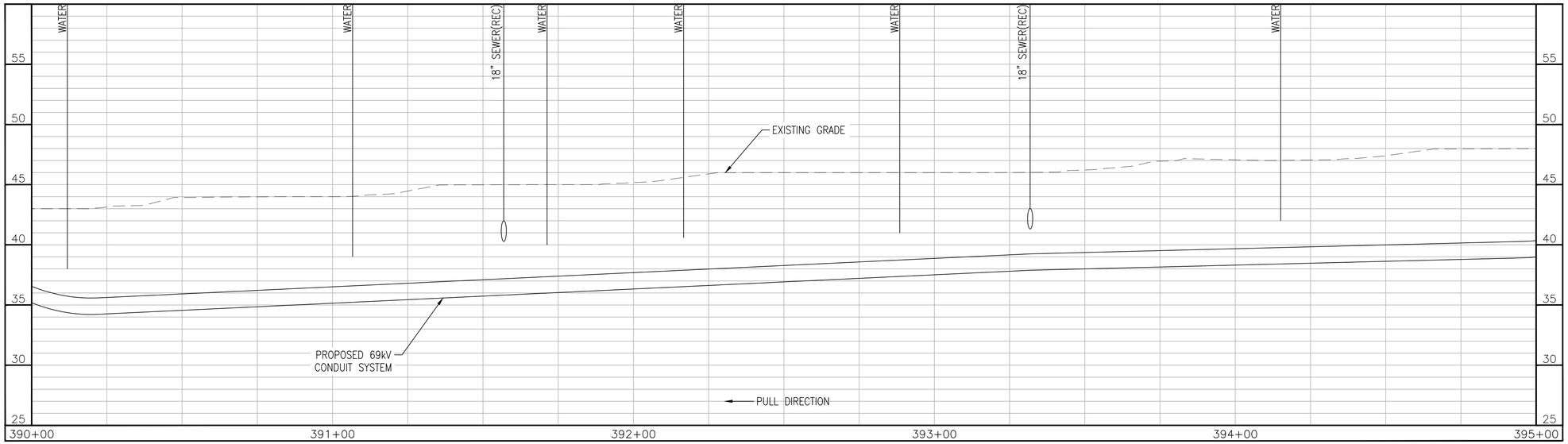
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 76 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112922
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	ISSUED FOR IFC	JAS	MJD	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS MCDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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PER: _____

DATE: _____

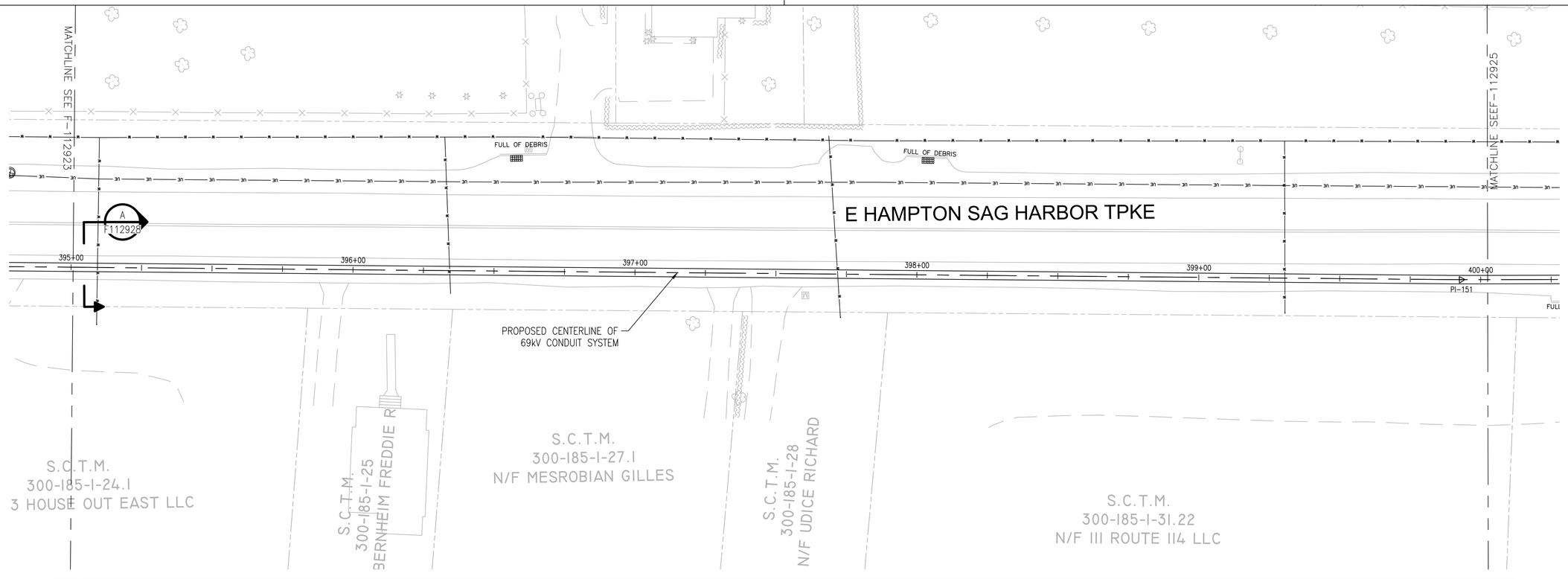
Long Island Power Authority
EAST HAMPTON, NEW YORK

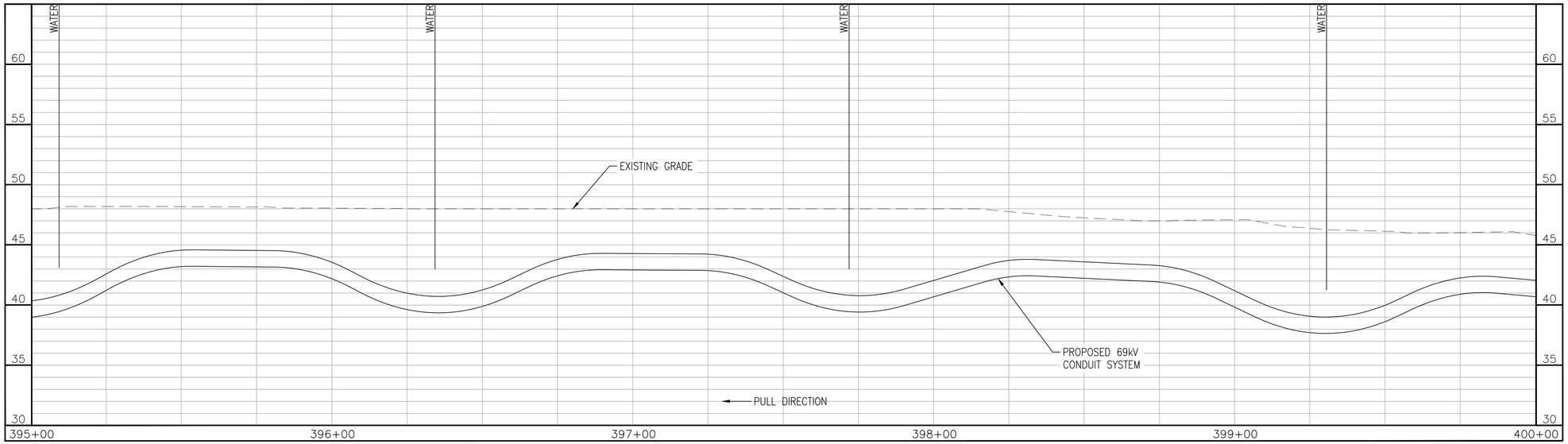
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 77 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112923
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

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

ISSUED
FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
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A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOCH
LICENSED PROFESSIONAL ENGINEER
108290
JUNE 26, 2024

APPROVED WITH
CORRECTIONS AS NOTED
PSEG Long Island

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DATE: _____

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

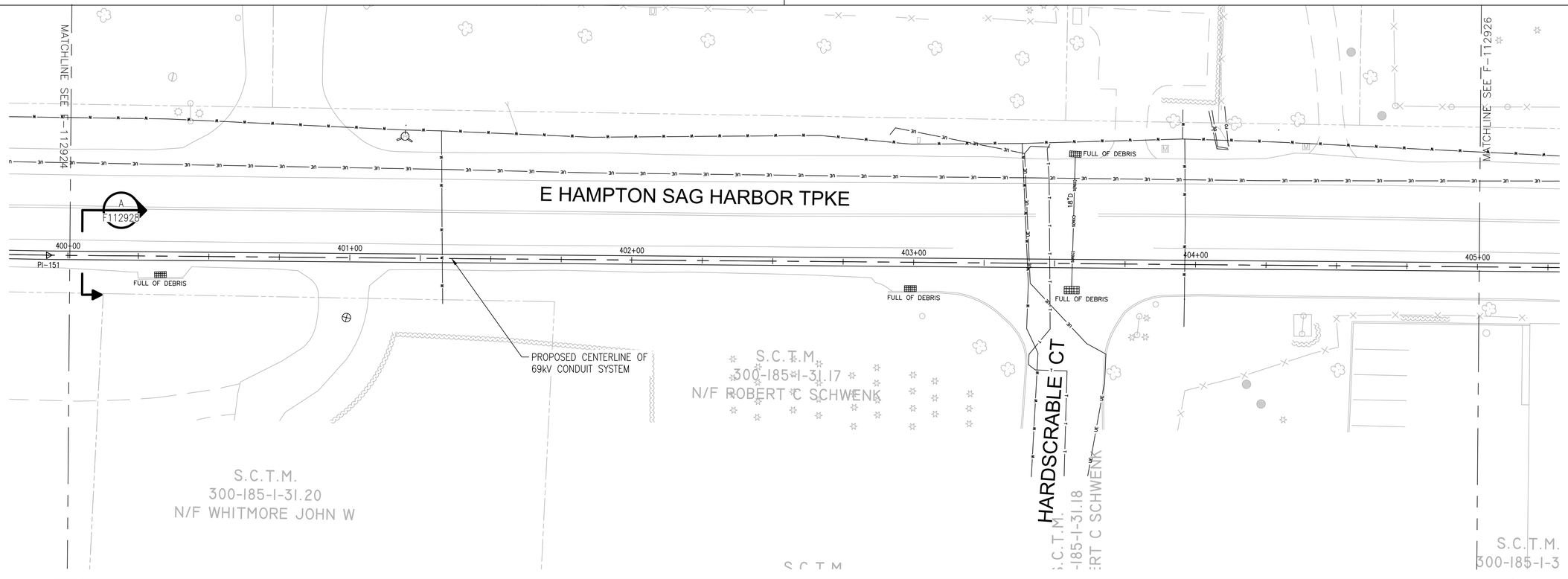
BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 78 OF 80

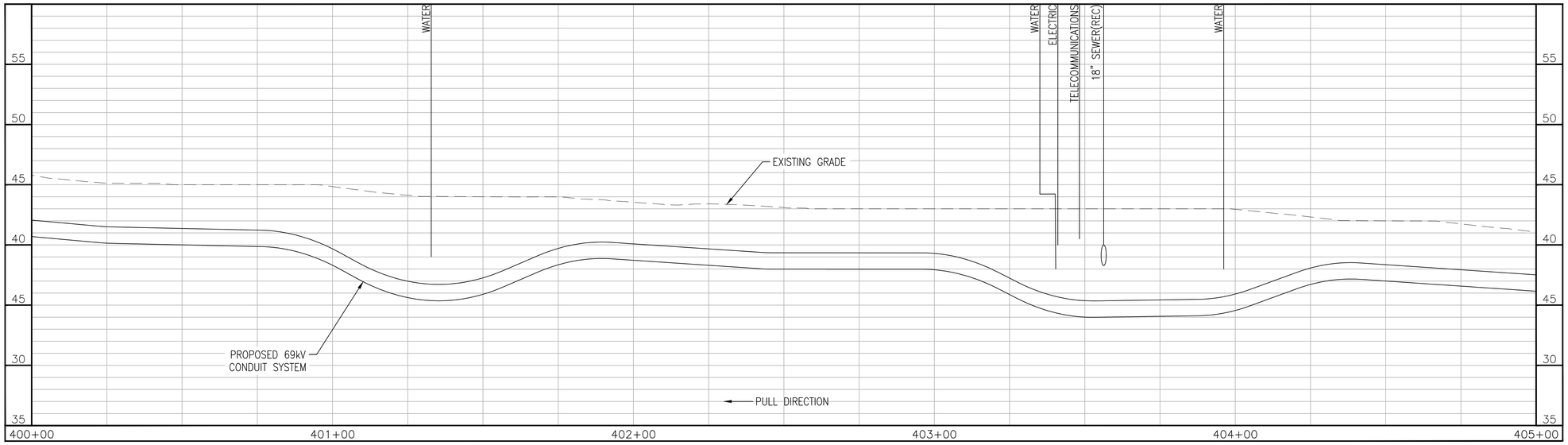
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:

DRAWING NO.: F-112924
SMART NO.: –
REVISION: 1

SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.





NOTES:

1. SEE F112845 AND F112846 FOR ROUTE DATA TABLE AND PULLING CALCULATIONS.
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0 10' 20' 40'
HORIZONTAL SCALE IN FEET
0 5' 10'
VERTICAL SCALE IN FEET

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ISSUE							

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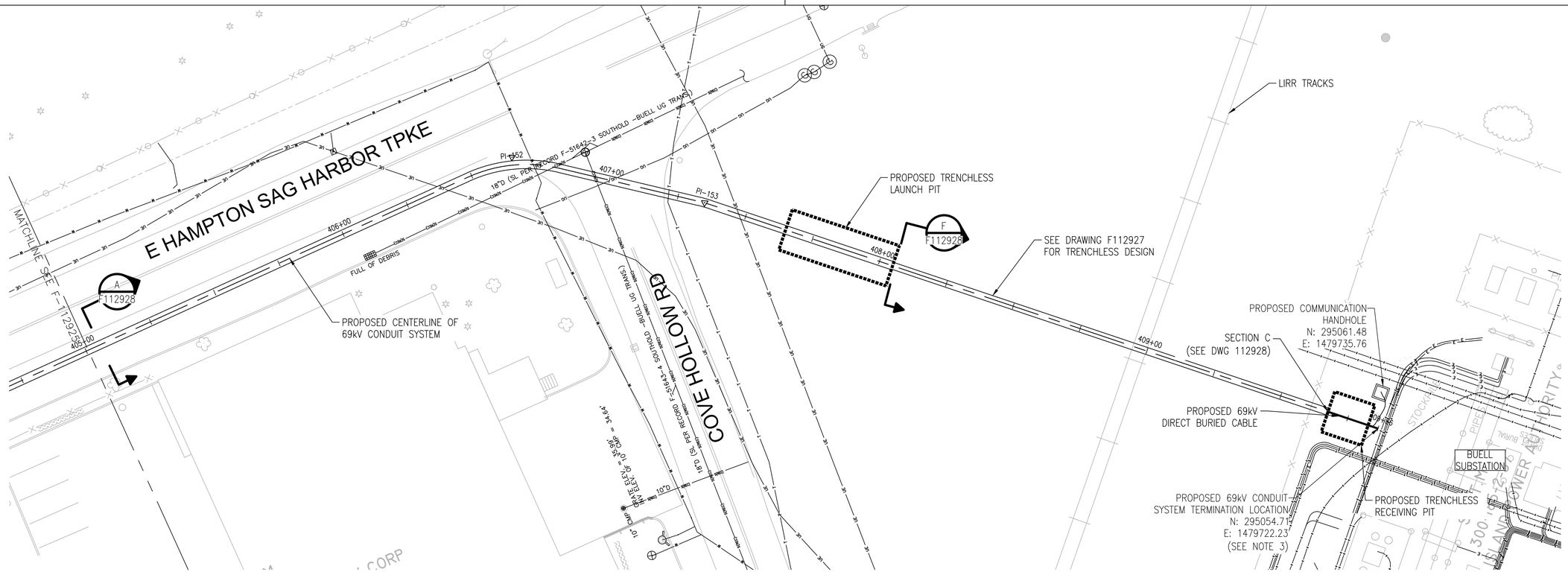
Long Island Power Authority
EAST HAMPTON, NEW YORK

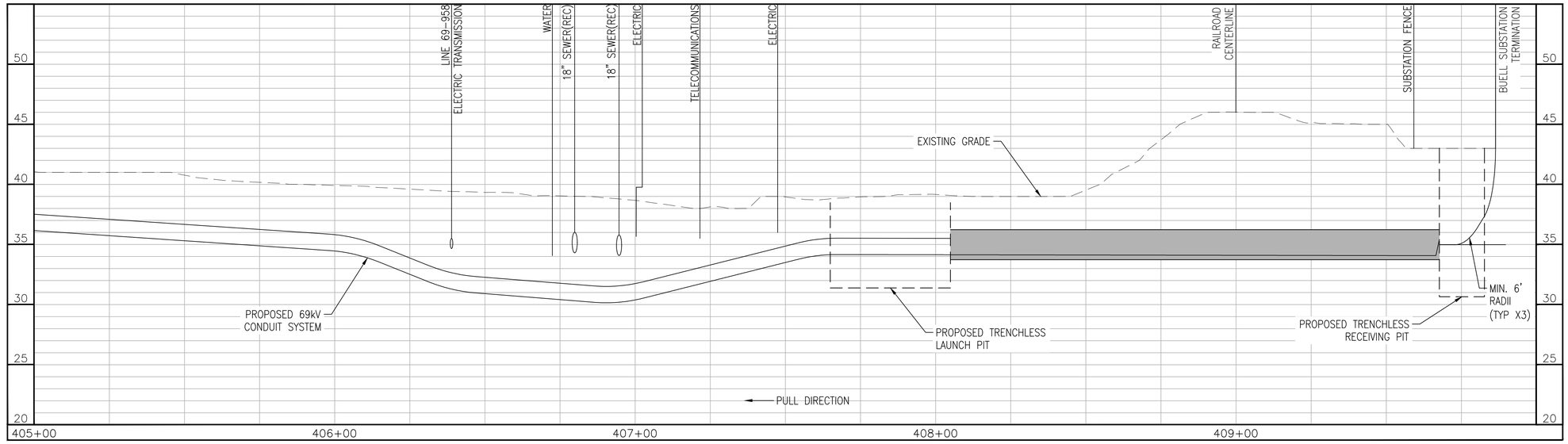
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 79 OF 80

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

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112925
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:





NOTES:

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2. ALL UTILITIES DENOTED WITH AN (V) LABELED ON PROFILE HAVE BEEN VERIFIED EITHER BY TEST PITTING OR SURVEY DATA. ALL OTHER UTILITIES ARE SHOWN AT DEPTHS AS OUTLINED ON F112844.
3. LOCATION OF TERMINATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FINAL LOCATION OF TERMINATIONS WITH PSEG LONG ISLAND. SEE F112930 FOR TERMINATION STRUCTURE DETAILS.

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

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FOR CONSTRUCTION

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BURNS McDONNELL
PROJ. NO. 163671

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

STATE OF NEW YORK
DAVID A. GOOD
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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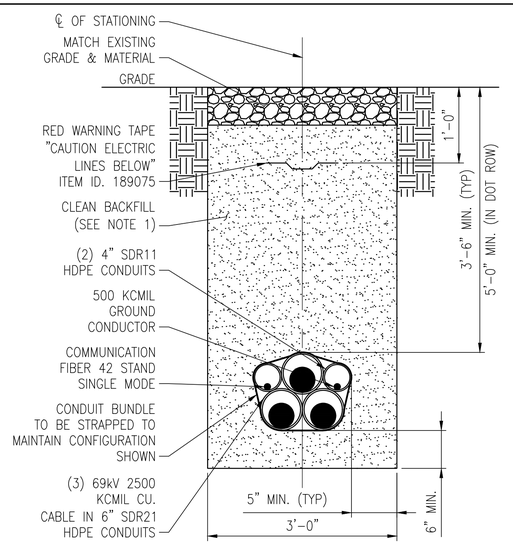
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
PLAN & PROFILE SHEET 80 OF 80

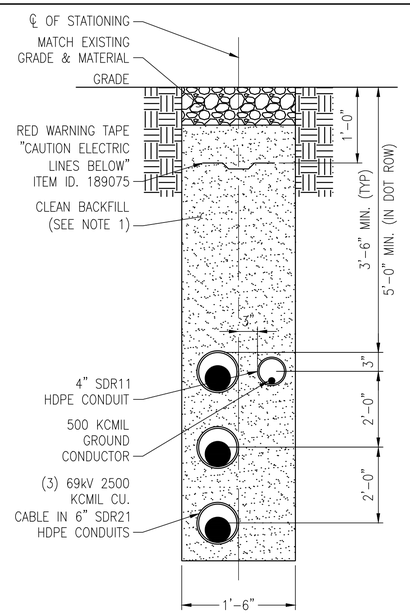
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: HORIZ:1"=20' VERT: 1"=5'
VENDOR DWG. NO.:
DRAWING NO.: F-112926
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



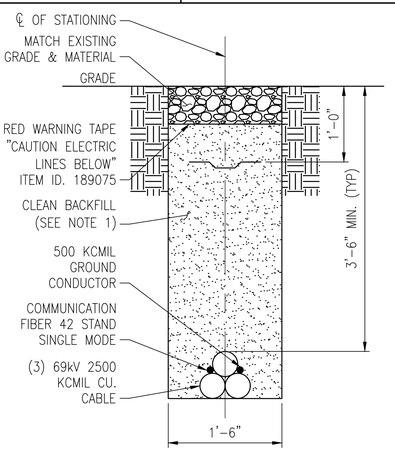
TYPICAL CROSS SECTION

SECTION A
NTS



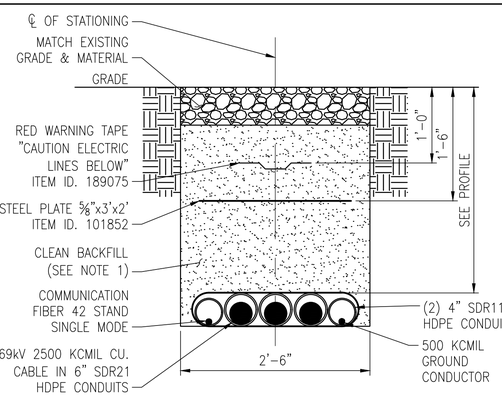
MANHOLE CROSS SECTION

SECTION B
NTS



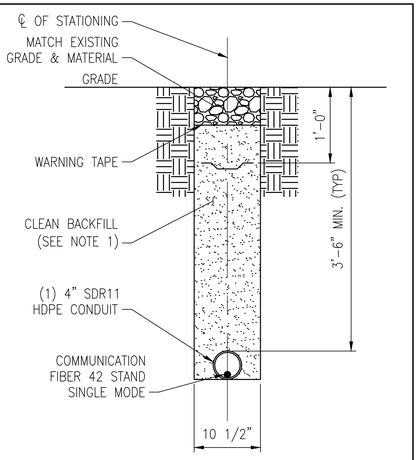
DIRECT BURIED CABLE INSIDE SUBSTATION FENCE SECTION

SECTION C
NTS



CROSS SECTION WITH STEEL PLATE

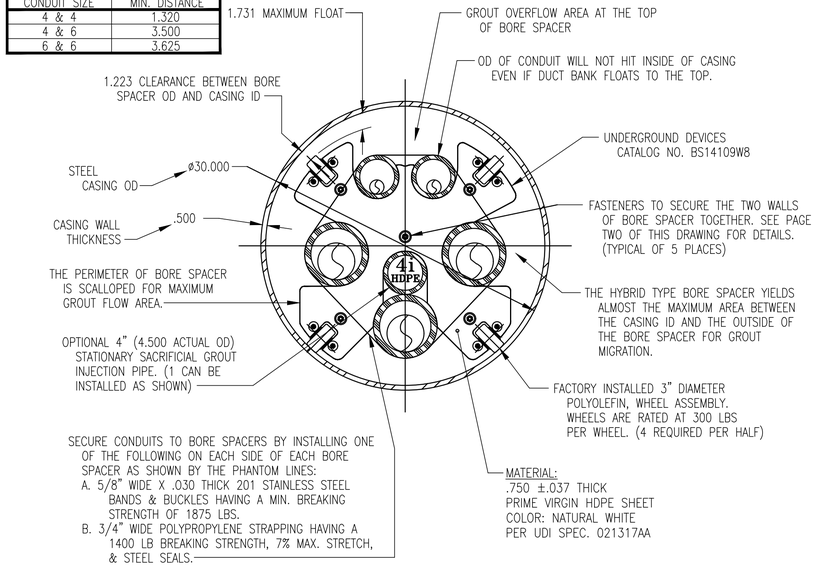
SECTION D
NTS



FIBER OPTIC COMMUNICATION CROSS SECTION

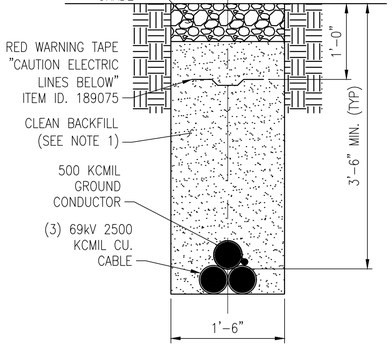
SECTION E
NTS

MINIMUM DISTANCE BETWEEN CONDUITS	
CONDUIT SIZE	MIN. DISTANCE
4 & 4	1.320
4 & 6	3.500
6 & 6	3.625



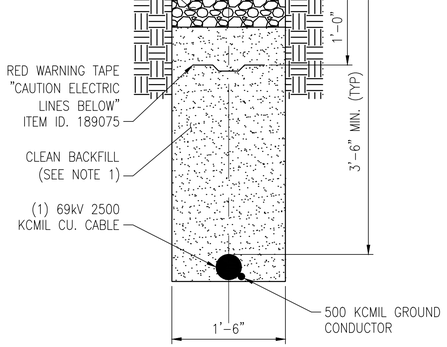
JACK AND BORE CROSS SECTION

SECTION F
NTS



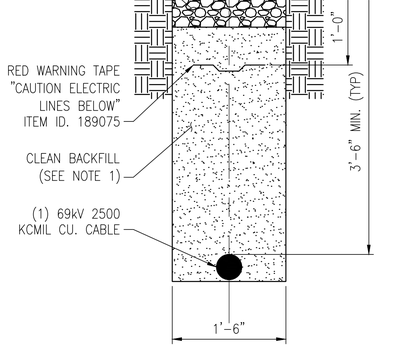
SINGLE PHASE CABLE CROSS SECTION

SECTION G
NTS



SINGLE PHASE W/ GROUND DIRECT BURIED CABLE INSIDE FENCE SECTION

SECTION H
NTS



SINGLE PHASE DIRECT BURIED CABLE INSIDE FENCE SECTION

SECTION J
NTS

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.

ISSUED FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	IFC	JAS	JRC	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	JRC	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

ISSUE	NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
	B	03/01/24	-	FINAL ISSUE	JLSCHMIZ	JJOHNSON	D.GOGOL P.E.	- P.E.
		12/04/23	-	ORIGINAL ISSUE	JLSCHMIZ	MJDACENKO	D.GOGOL P.E.	- P.E.

STATE OF NEW YORK
DAVID A. GOGOL
108290
LICENSED PROFESSIONAL ENGINEER
JUNE 26, 2024

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PSEG Long Island

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DATE: _____

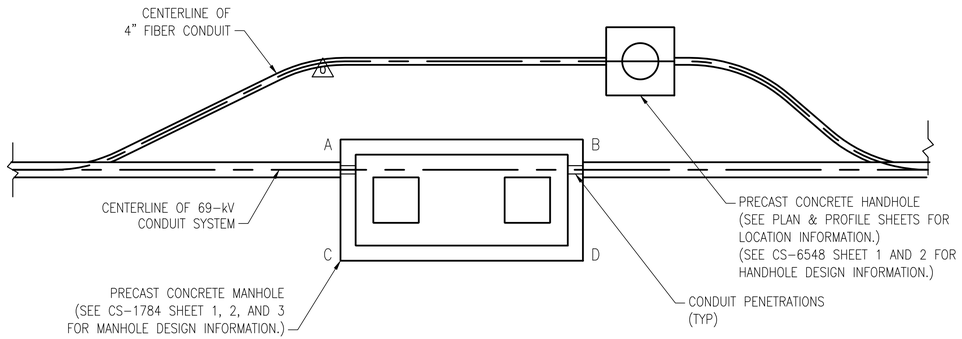
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
CONDUIT SYSTEM SECTIONS

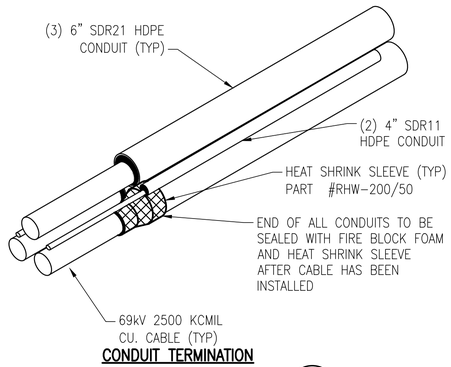
PSEG LONG ISLAND
175 East Old Country Road
Hicksville, New York

SCALE: NONE
VENDOR DWG. NO.:
DRAWING NO.: F-112928
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



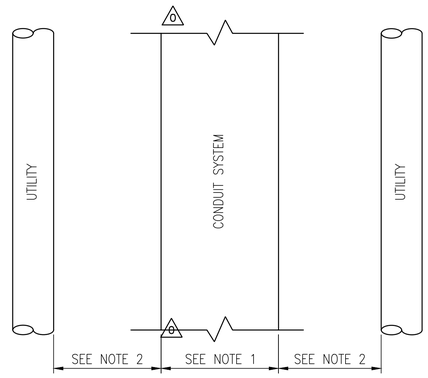
MANHOLE ORIENTATION FOR INSTALLATION

DETAIL 1
NTS



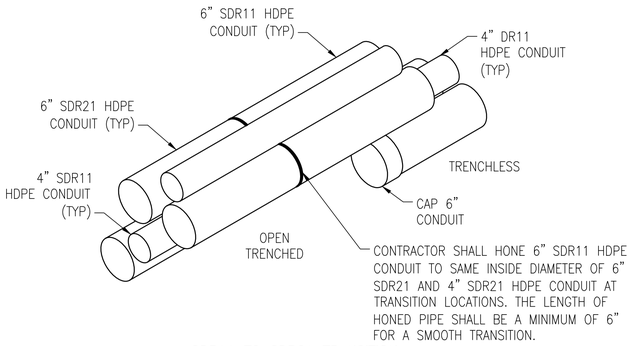
CONDUIT TERMINATION

DETAIL 2
NTS



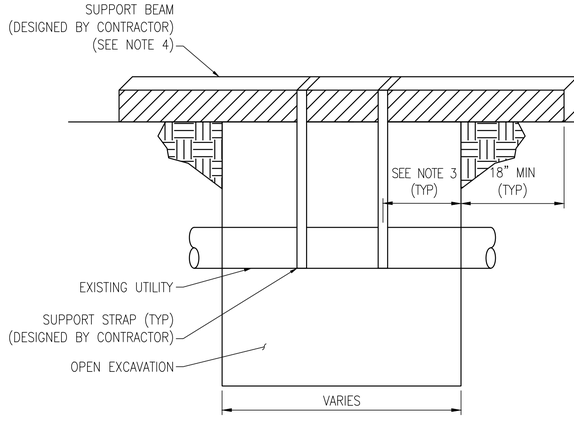
TYPICAL HORIZONTAL UTILITY CLEARANCE DETAIL

DETAIL 3
NTS



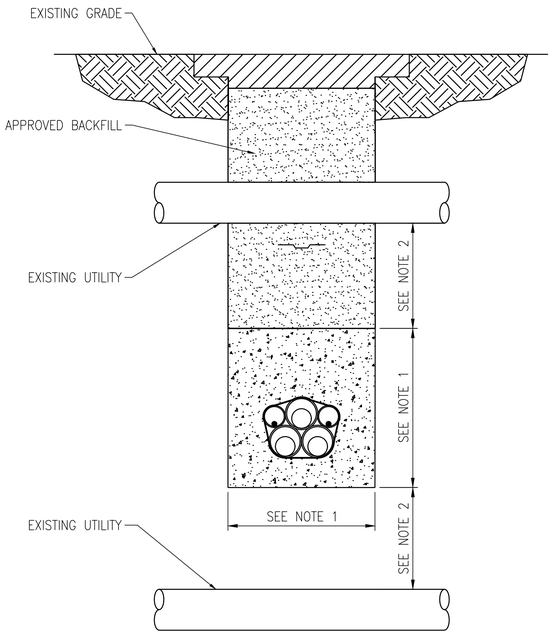
SDR11 TO SDR21 TRANSITION AND CAP

DETAIL 4
NTS



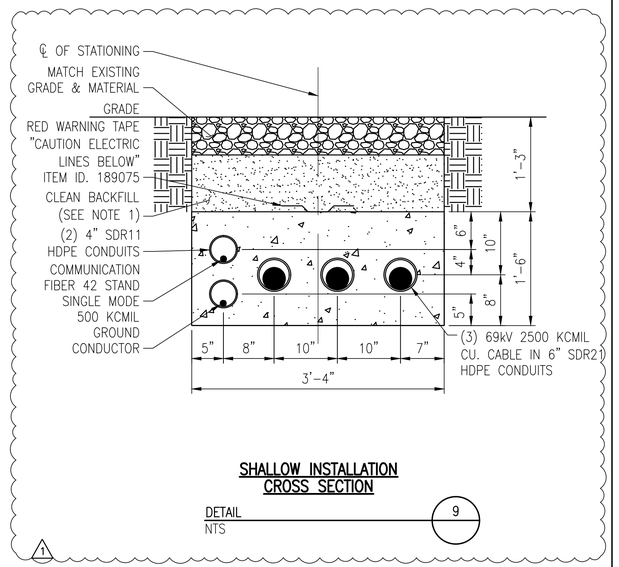
TYPICAL PIPE SUPPORT ACROSS OPEN EXCAVATION

DETAIL 5
NTS



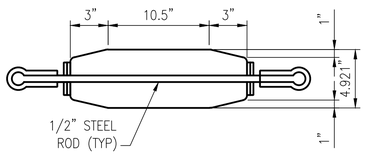
TYPICAL DUCT BANK WITH UTILITY CLEARANCE

DETAIL 8
NTS



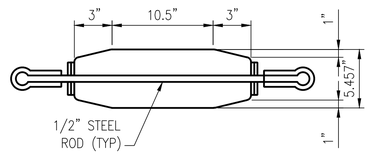
SHALLOW INSTALLATION CROSS SECTION

DETAIL 9
NTS



6" SDR11 HDPE CONDUIT MANDREL DETAIL

DETAIL 6
NTS



6" SDR21 HDPE CONDUIT MANDREL DETAIL

DETAIL 7
NTS

NOTES:

1. SEE DRAWING F112928 FOR DUCT BANK ARRANGEMENT.
2. 1'-0" MIN. CLEARANCE MAINTAINED UNLESS OTHERWISE NOTED ON PLAN AND PROFILE.
3. 1'-0" MAX SPAN, OR DIRECTED BY THE UTILITY WHICHEVER IS LESS.
4. CONTRACTOR SHALL SUBMIT METHOD OF SUPPORT TO RESPECTIVE UTILITY OWNERS FOR APPROVAL PRIOR TO CONSTRUCTION.

ISSUED FOR CONSTRUCTION

STATE OF NEW YORK
DAVID A. GOGOL
108290
LICENSED PROFESSIONAL ENGINEER
JULY 15, 2024

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: _____

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	07/15/2024	IFC	JAS	MJD	DAG
0	08/28/2024	IFC	JAS	MJD	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

ISSUE NO.	DATE	W.O.	DESCRIPTION	DWN. BY	CK'D BY	REVIEWED	APP'D.
B	02/01/24	-	FINAL ISSUE	JLSCHULZ	JLCARLSON	D.GOGOL P.E.	- P.E.
A	12/04/23	-	ORIGINAL ISSUE	JLSCHULZ	M.LINDEMANS	D.GOGOL P.E.	- P.E.

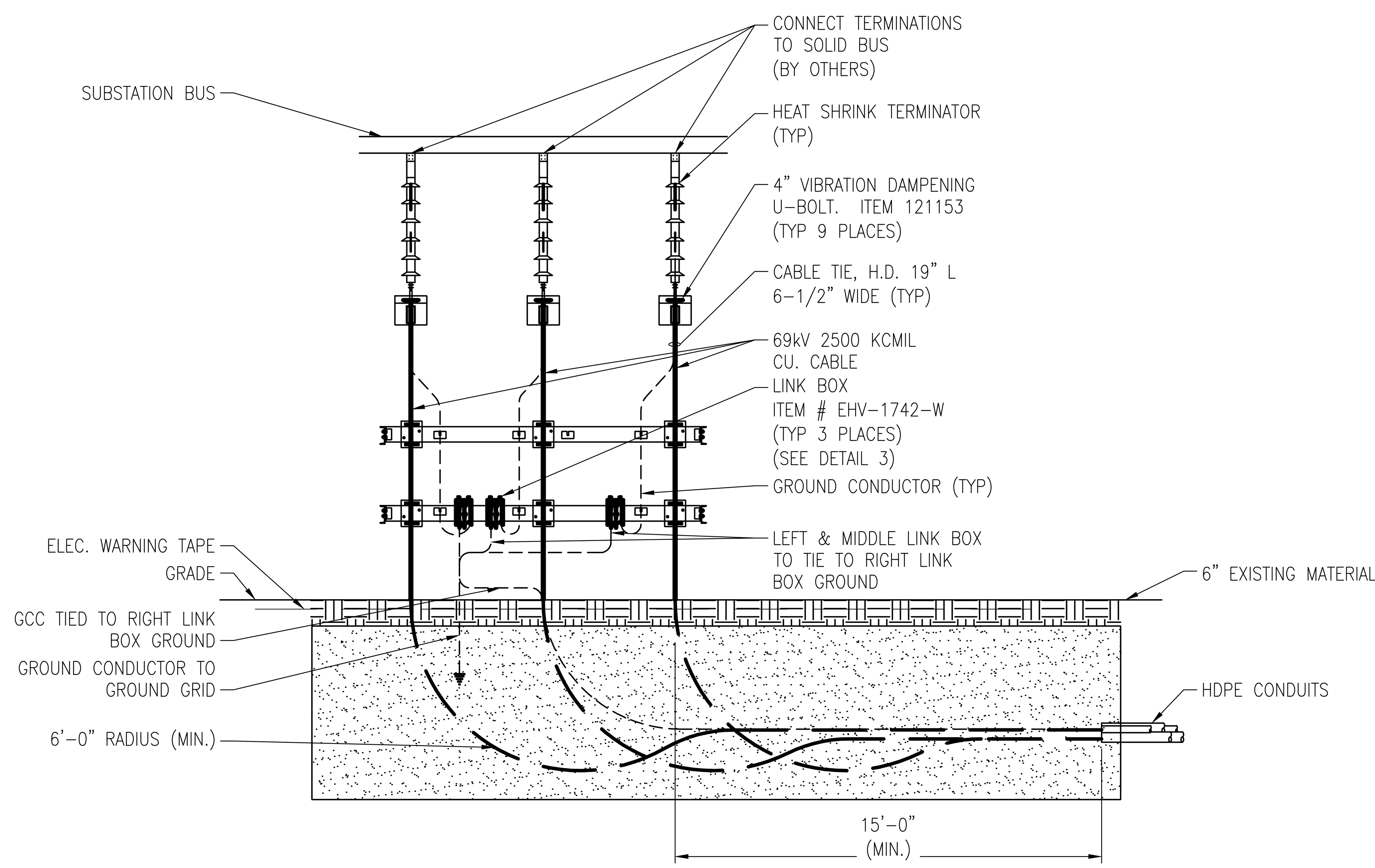
Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
CONDUIT SYSTEM DETAILS

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

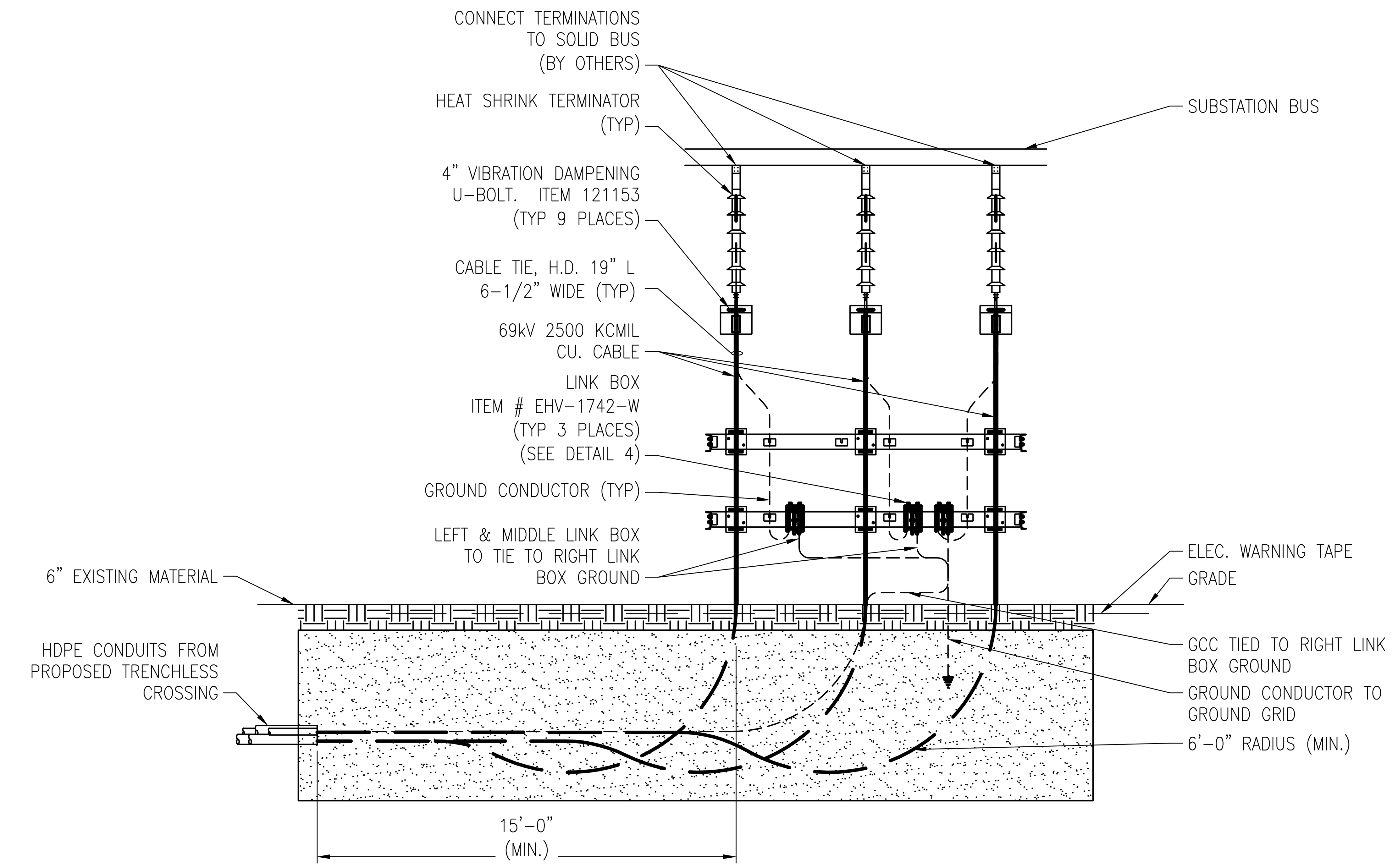
SCALE: NONE
VENDOR DWG. NO.:
DRAWING NO.: F-112929
SMART NO.: –
REVISION: 1
SYSTEM GRID NUMBER:
CABINET NO.:
FOLDER NO.:



BRIDGEHAMPTON SUBSTATION TERMINATION STRUCTURE ELEVATION

DETAIL 1
NTS

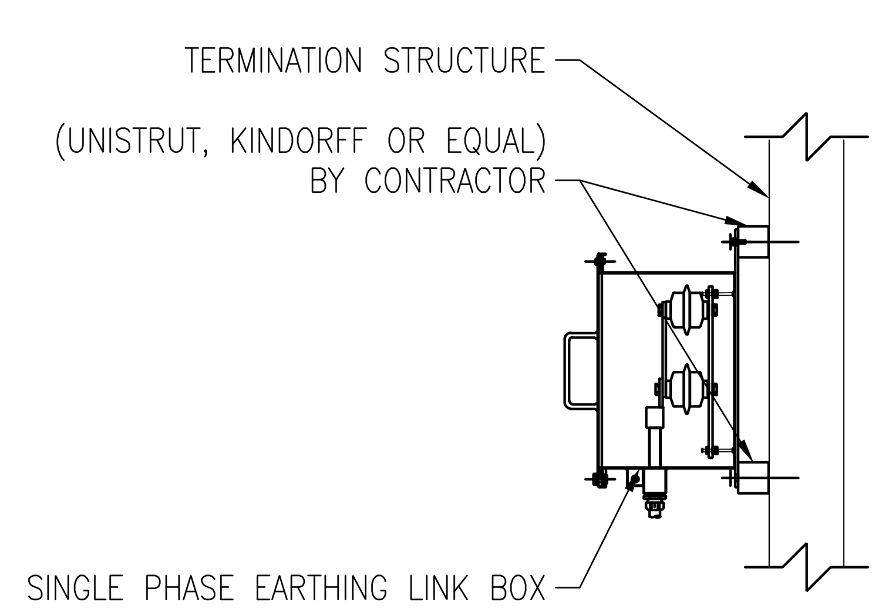
NOTE:
1. REFER TO CS-1754 FOR GROUNDING DETAILS ON CLOSED SHEATH GROUNDING.



BUELL SUBSTATION TERMINATION STRUCTURE ELEVATION

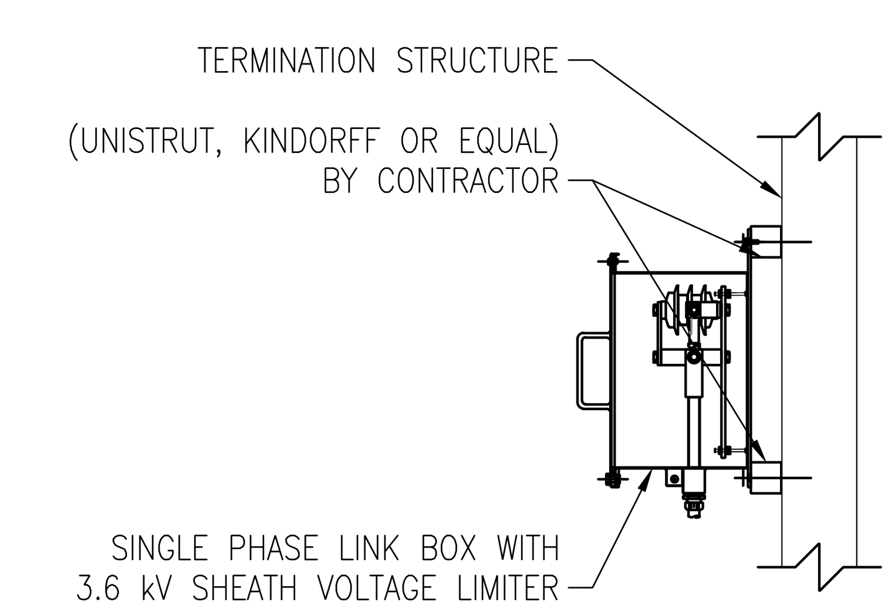
DETAIL 2
NTS

NOTE:
1. REFER TO CS-1761 FOR GROUNDING DETAILS ON OPEN SHEATH GROUNDING.



LINK BOX WITHOUT SVL ATTACHMENT

DETAIL 3
NTS



LINK BOX WITH SVL ATTACHMENT

DETAIL 4
NTS

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: ____________

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 CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	IFC	JAS	JRC	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	JRC	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL
PROJ. NO. 163671

ISSUE

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
B	03/01/24	-	FINAL ISSUE	J.SCHATZ	J.CARON	D.GOGOL P.E.	- P.E.
	12/04/23	-	ORIGINAL ISSUE	J.SCHATZ	M.DAGENAIS	D.GOGOL P.E.	- P.E.

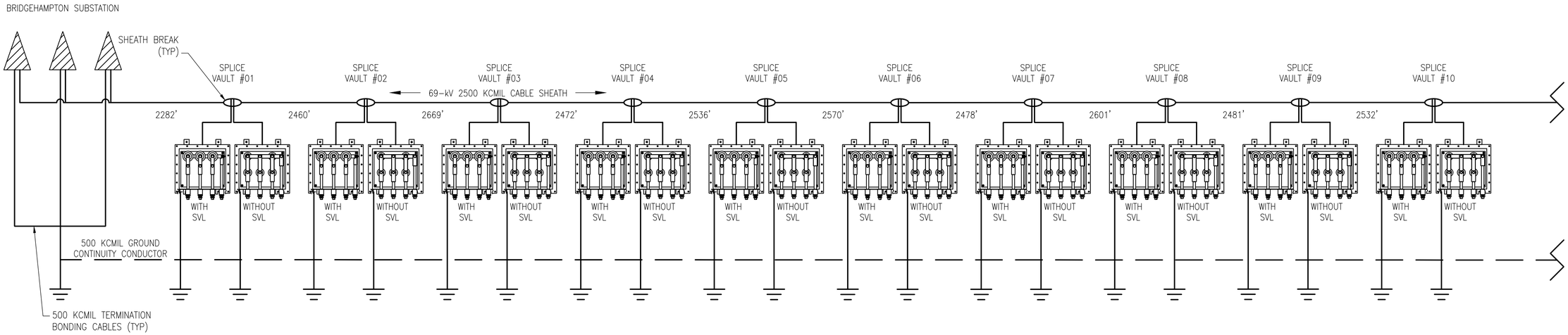
Long Island Power Authority
EAST HAMPTON, NEW YORK

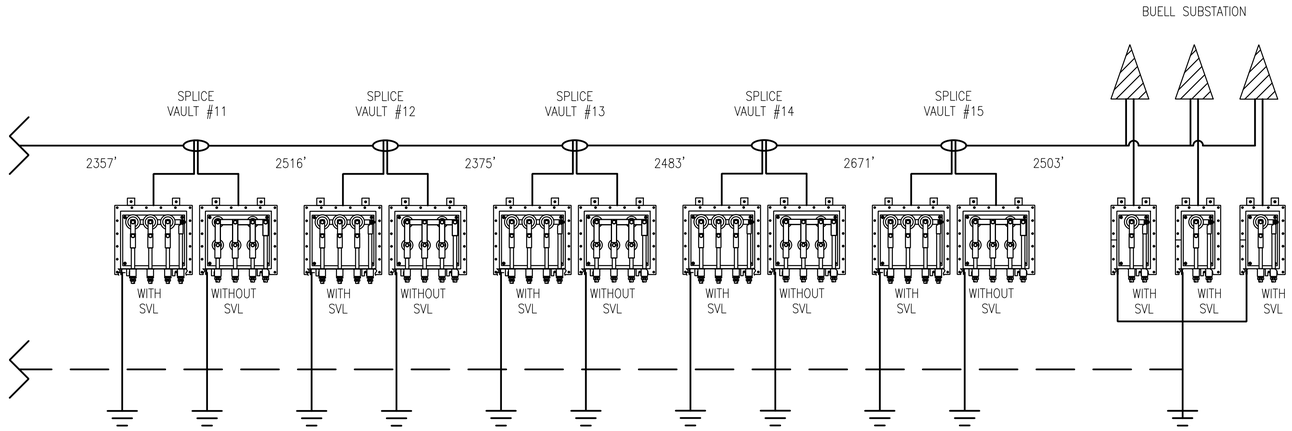
69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
TERMINATION STRUCTURE DETAILS

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

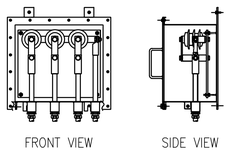
SCALE: NONE
VENDOR DWG. NO.
DRAWING NO. F-112930
SMART NO. –
REVISION 1
SYSTEM GRID NUMBER
CABINET NO.
FOLDER NO.



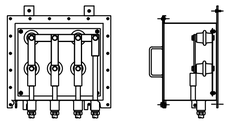


BRIDGEHAMPTON TO BUELL
69-kV SINGLE-POINT SHEATH BONDING DIAGRAM

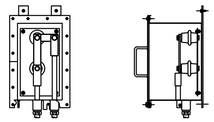
LEGEND



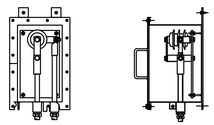
FRONT VIEW SIDE VIEW — 3-PHASE LINK BOX WITH 3.6 kV SHEATH VOLTAGE LIMITER



FRONT VIEW SIDE VIEW — 3-PHASE DISCONNECT LINK BOX



FRONT VIEW SIDE VIEW — SINGLE PHASE DISCONNECT LINK BOX



FRONT VIEW SIDE VIEW — SINGLE PHASE LINK BOX WITH 3.6 kV SHEATH VOLTAGE LIMITER

GROUND

OPEN AIR TERMINATOR

SHEATH BREAK SPLICE

NOTE:

1. SEE REFERENCE DRAWINGS CS-1760 SHEETS 1-3 FOR LINK BOX MOUNTING LOCATIONS.

ISSUED FOR CONSTRUCTION

JUNE 26, 2024

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: _____

REV	DATE	DESCRIPTION	DRAWN	REVIEW	APPR
1	06/26/2024	IFC	JAS	JRC	DAG
0	03/01/2024	IFC FOR PERMITTING	JAS	JRC	DAG
A	12/04/2023	ISSUED FOR REVIEW	JAS	MJD	DAG

BURNS McDONNELL

PROJ. NO. 163671

ISSUE	NO.	DATE	W.O.	DESCRIPTION	DWN. BY	CKD. BY	REVIEWED	APPD
	B	03/01/24	-	FINAL ISSUE	JLSCHATZ	JLONDON	D.GOOCH, P.E.	-, P.E.
		12/04/23	-	ORIGINAL ISSUE	JLSCHATZ	MJMCENROE	D.GOOCH, P.E.	-, P.E.

Long Island Power Authority
EAST HAMPTON, NEW YORK

69KV TRANSMISSION LINE

BRIDGEHAMPTON SUBSTATION – BUELL SUBSTATION
69kV UNDERGROUND TRANSMISSION
BONDING DIAGRAM

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

SCALE: NONE

VENDOR DWG. NO.:

DRAWING NO.: F-112931

SMART NO.: –

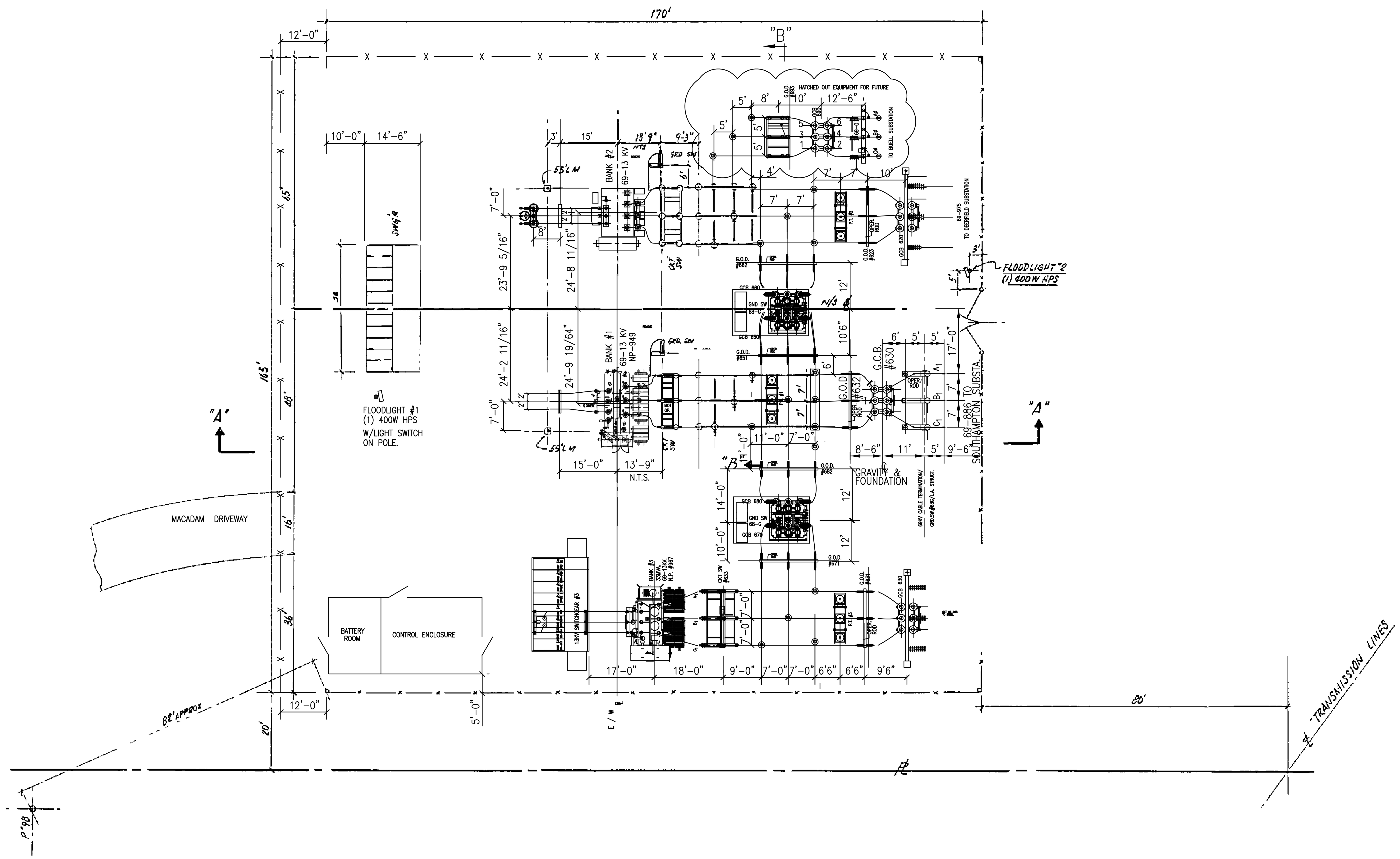
REVISION: 1

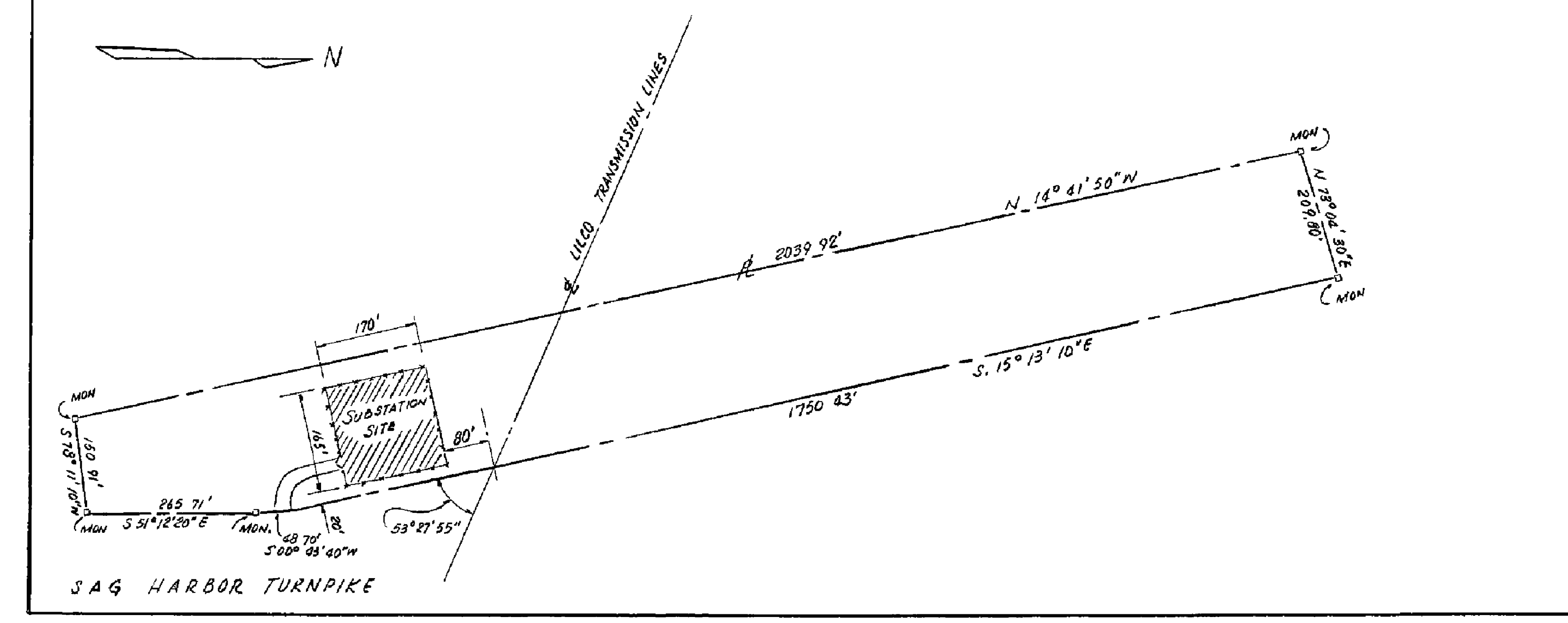
SYSTEM GRID NUMBER

CABINET NO.

FOLDER NO.

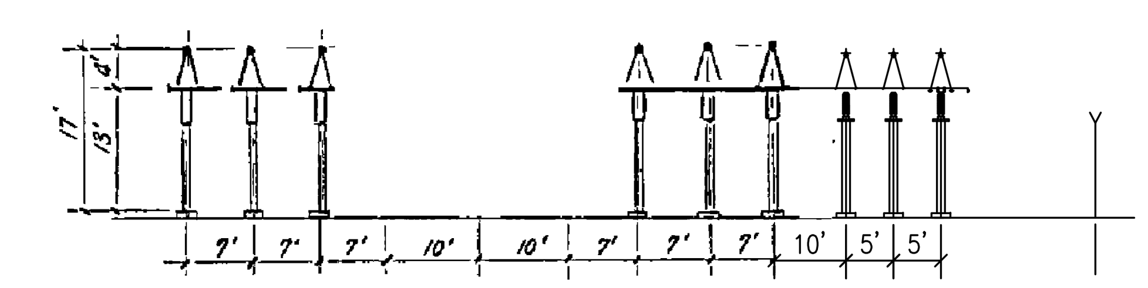
NO CLEARING OR GRADING TO BE DONE
MAINTAIN 5' OF DISTANCE OUTSIDE FENCE
IF THESE CONDITIONS CANNOT BE MET REDUCE THE 12' DISTANCE



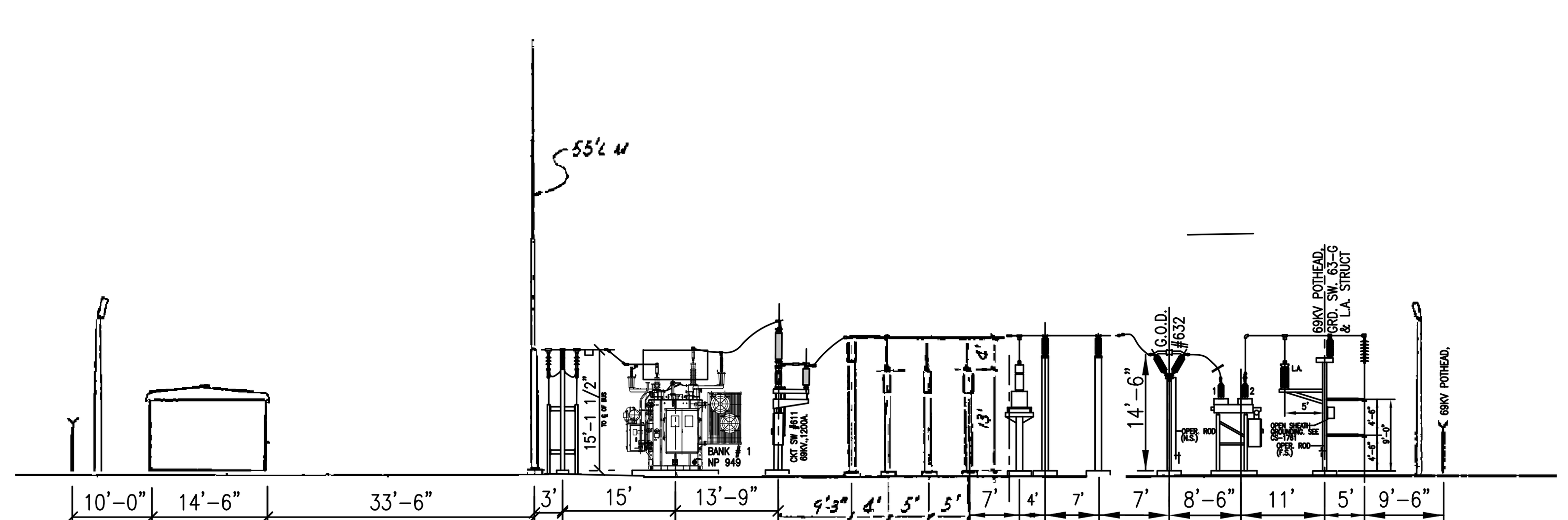


LOCATION PLAN

SCALE : 1" = 200'



SECTION "B-B"



ELEVATION "A-A"

REFERENCE DRAWINGS :

L-6110	STANDARD SYMBOL LIST
F-74396	CABLE SCHEDULE SHEET 1
F-109555	CABLE SCHEDULE SHEET 2
S0-158	ONE LINE DIAGRAM
F-61851	PLAN VIEW
F-61852	SECTIONS SHEET 1
F-61853	SECTIONS SHEET 2
F-109274	SECTIONS SHEET 3
F-61856	CONTROL CABLE AND CONDUIT PLAN
F-61857	GROUNDING PLAN
F-108323	CONTROL HOUSE PLAN AND SECTIONS
F-108324	CONTROL HOUSE WIRING AND DETAILS
F-61855	FEEDER EXIT PLAN
F-61854	13KV SWITCHGEAR PLAN
F-57896	FOUNDATION PLAN
F-20581	TRANSMISSION LINE TERMINATION

NOTE: THIS DWG SUPERCEDES DWG F-22891

F-61850

ISSUE

NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
10	4/6/23	L99677	TERMINAL FOR UG CABLE TO BUELL	TV	TV		F.DiDomizio
9	9/19/22	L89101	ADJUSMENTS MADE TO DESIGN BASED ON FIELD CONDITIONS	TV	TV		F.DiDomizio
8	6/24/22	L89101	BRIDGEHAMPTON EXPANSION: REVISION TO SHOW FUTURE WORK FOR SECRA SUBMITTAL	TV	TV		F. DIDOMIZIO
7	5/17/22	L89101	BRIDGEHAMPTON EXPANSION	TV	TV		F.DiDomizio
6	12/21/20	L89919	INSTALL NEW CONTROL ENCLOSURE, REPLACE CONTROL CABLES, REMOVE OLD CONTROL ENCLOSURE.	TV	TV		F. DIDOMIZIO
5	2/4/2020	900000 105560	BANK # 1 FAILURE REPLACEMENT. REPLACED CS # 611.	P. ARSENIS	R.B.		R.B.
0	8-8-94	41165	REDRAWN FOR INSTALLATION OF (2) 28MVA TRANSFORMERS	J. COMISSO	A.M.		

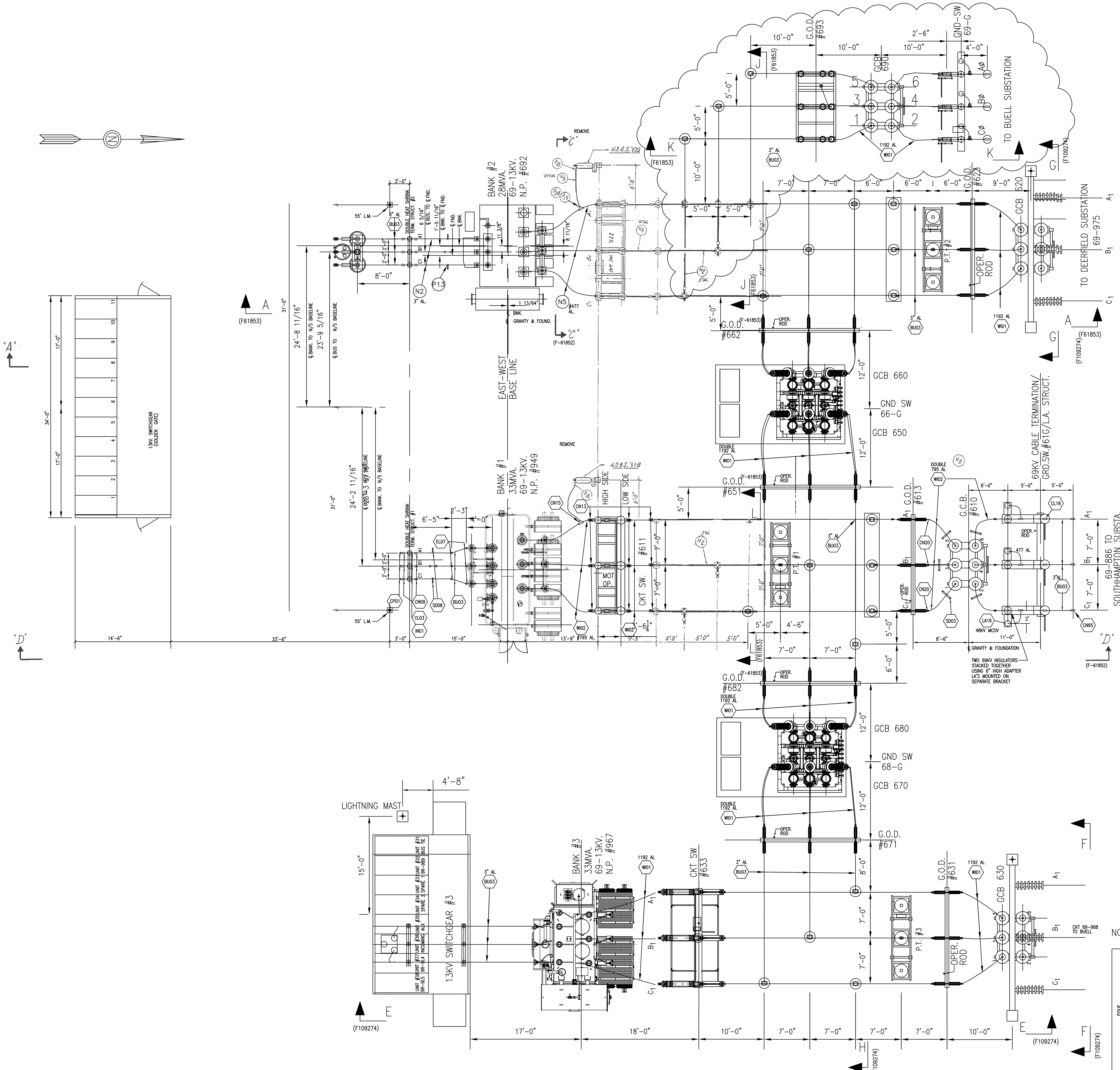
Long Island Power Authority
BRIDGEHAMPTON SUBSTATION

SAG HARBOR; NEW YORK

PLOT PLAN
69-13 KV SUBSTATION

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

SCALE 1"=20'	VENDOR DWG. NO. F-61850-02	
DRAWING NO. F61850	SMART NO. 9R_SS-FE-01000	REVISION 010
SYSTEM GRID NUMBER	CABINET NO. 12	FOLDER NO. 22



NOTE: THIS DWG SUPERCEDES DWG F-22892

ISSUE NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
8	4/6/23	L99677	TERMINAL FOR UG CABLE TO BUELL	TV	TV		F.DiDomizio
7	6/24/22	L89101	BRIDGEHAMPTON EXPANSION: REVISION TO SHOW FUTURE WORK FOR SECRA SUBMITTAL	TV	TV		F. DIDOMIZIO
6	5/17/22	L89101	BRIDGEHAMPTON EXPANSION	TV	TV		Franco DiDomizio
5	02/04/20	900000 105560	BANK # 1 FAILURE REPLACEMENT. REPLACED CS # 611 & GCB # 650.	SK	R.B.		R.B.
4	06/27/12	T10125 2931	ENGINEERING AND DESIGN FOR THIS REVISION PERFORMED BY NATIONAL GRID ENGINEERING & SURVEY, INC. AS BUILT HISTORICAL FOR 69KV TERM. STRUCT.	JMF	F.D.		F. DI DOMIZIO P.E.
3	02/13/12	T10125 2931	ENGINEERING AND DESIGN FOR THIS REVISION PERFORMED BY NATIONAL GRID ENGINEERING & SURVEY, INC. ADDED P.T. #1, M.A.B.S. #614, G.O.D. #652, G.C.B. #630, TERM. STRUCT. W/ GRD. SW. #61-G AND ASSOC'D BUS AS SHOWN.	RJS	IT		F. DI DOMIZIO P.E.
0	8-8-94	41165	ORIGINAL ISSUE	J.COMMISSO	A.M.	J.C.	D.S. P.E.

F-61851

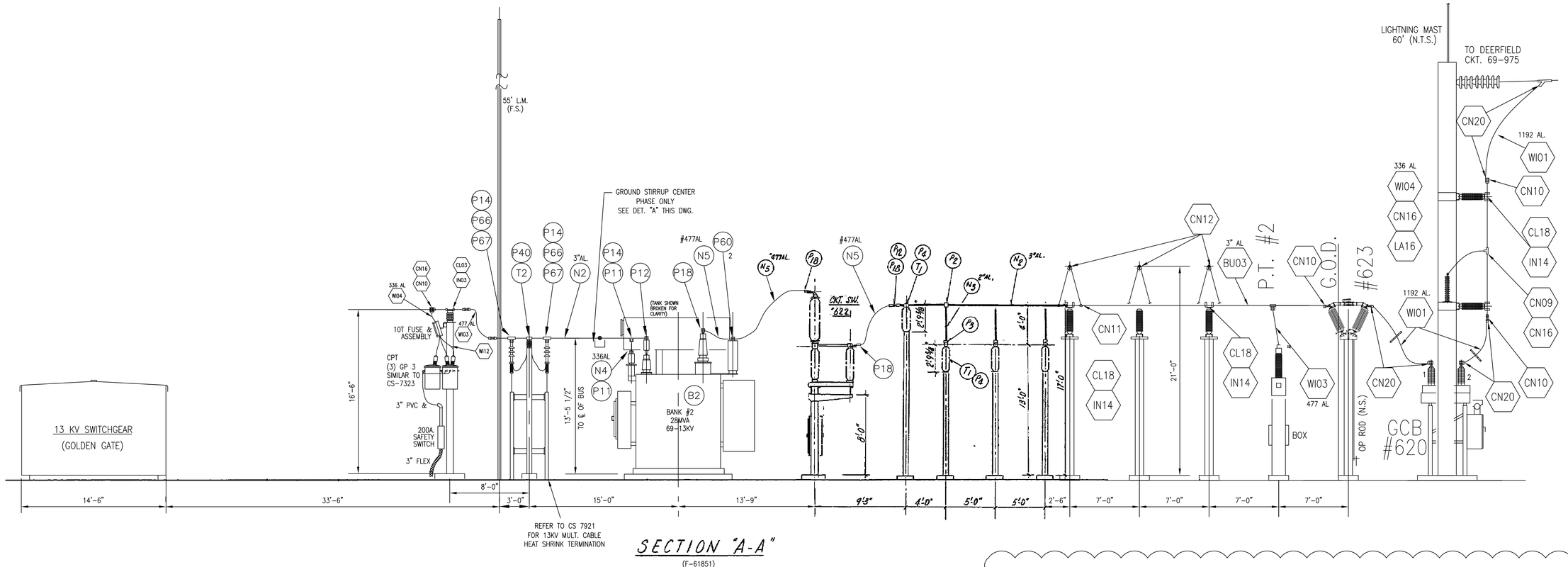
Long Island Power Authority
BRIDGEHAMPTON SUBSTATION
SAG HARBOR; NEW YORK

PLAN VIEW

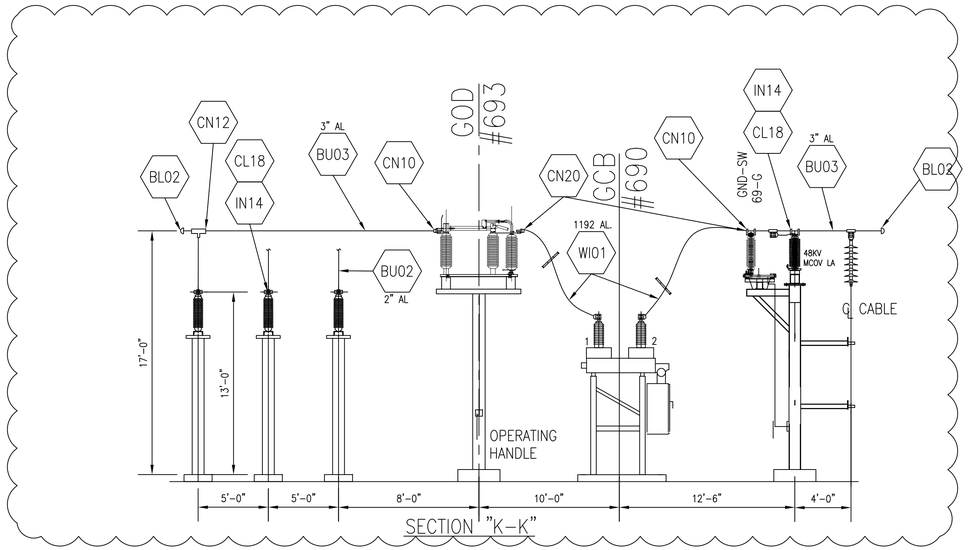
69-13KV. SUBSTATION

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

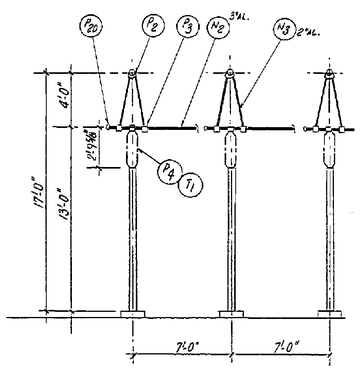
SCALE 1/8" = 1'-0"	VENDOR DWG. NO.
DRAWING NO. F61851	SMART NO. 9R_SS-FE-02001
REVISION	009
SYSTEM GRID NUMBER	
CABINET NO.	12
FOLDER NO.	22



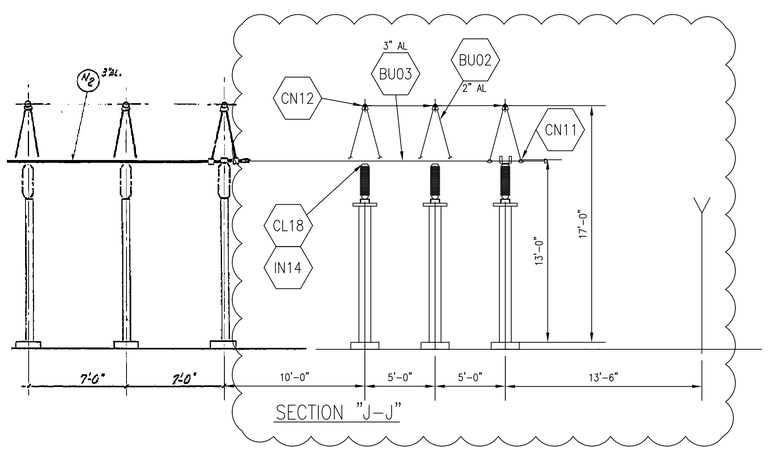
SECTION "A-A"
(F-61851)



SECTION "K-K"



SECTION "L-L"



SECTION "J-J"

NOTE: THIS DWG SUPERCEDES DWG F-22893

F-61853

ISSUE NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
8	4/6/23	L39677	TERMINAL FOR UG CABLE TO BUELL	TV	TV		F.DiDonato
7	9/19/22	L39101	ADJUSMENTS MADE TO DESIGN BASED ON FIELD CONDITIONS	TV	TV		F.DiDonato
6	6/24/22	L39101	BRIDGEHAMPTON EXPANSION; REVISION TO SHOW FUTURE WORK. FOR SECRA SUBMITTAL	TV	TV		F. DiDONATO
5	5/17/22	L39101	BRIDGEHAMPTON EXPANSION	TV	TV		Franco DiDonato
4	02/04/20	900000 102560	BANK # 1 FAILURE REPLACEMENT. REPLACED CS # 611 & GCB # 650.	SK/PA	R.S.		R.S.
3	01/05/12	T10125 2631	ENGINEERING AND DESIGN FOR THIS REVISION PERFORMED BY NATIONAL GRID ENGINEERING & SURVEY, INC. REV'D REF. DWG. NUMBERS AS SHOWN.	NJS	II		F. DI DONATO P.E.
2	03/24/98	47262	ADDED 1200A MABS-655	COCOLICHIO	RJM	DS	PC
0	8-8-94	41165	REVISION FOR INSTALLATION OF (2) 28MVA TRANSFORMERS	JJC	AJK	JJC	B.S.

Long Island Power Authority
BRIDGEHAMPTON SUBSTATION
SAG HARBOR; NEW YORK

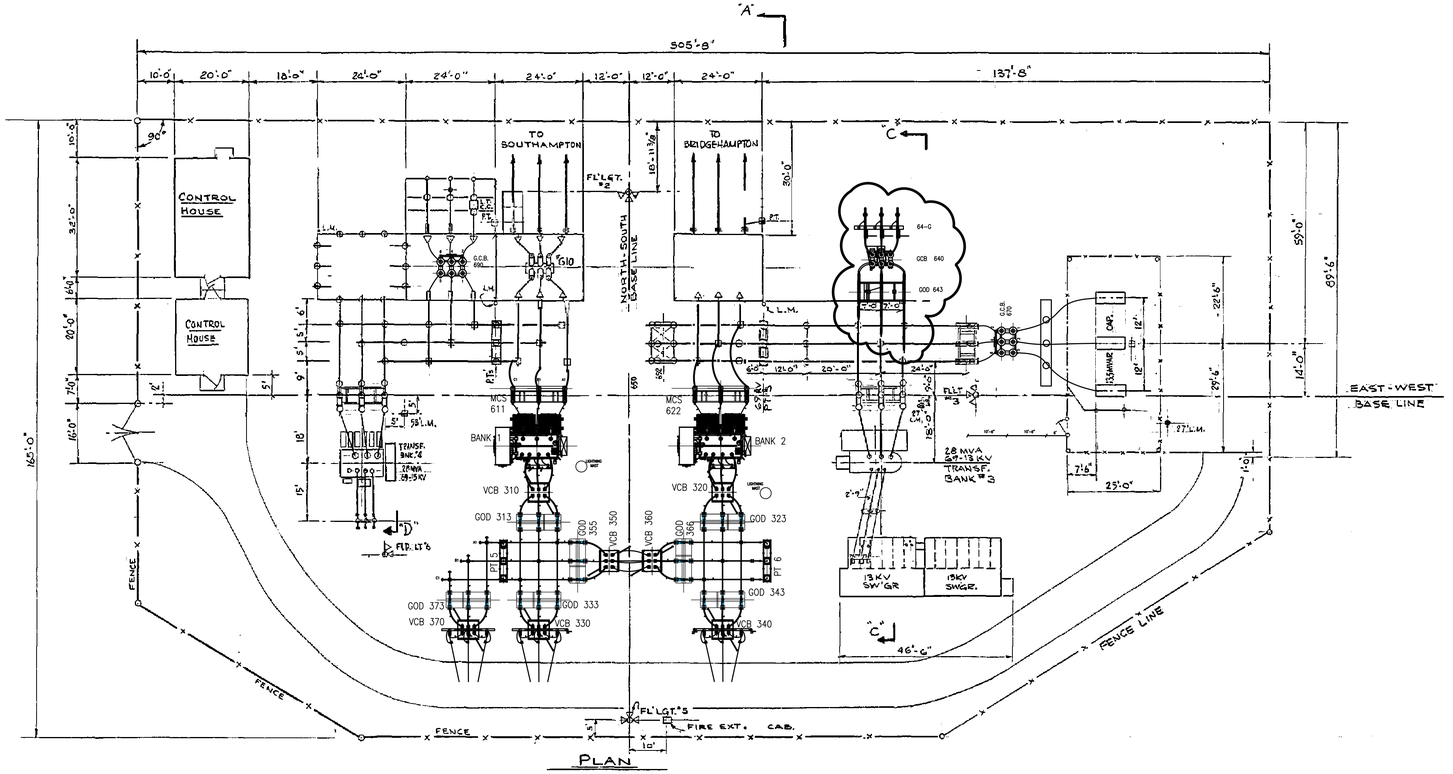
SECTIONS
SHEET 2
69-13 KV SUBSTATION

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

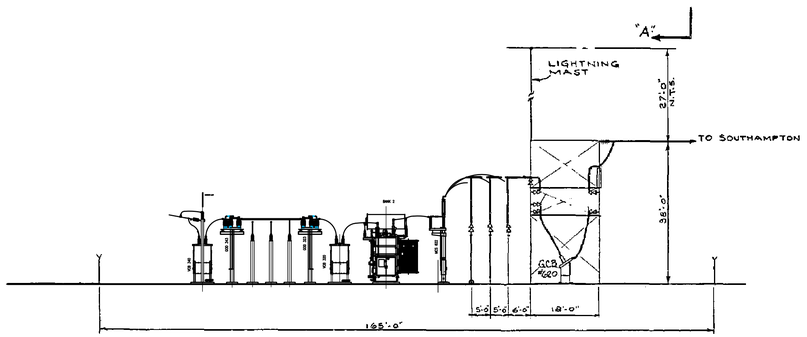
SCALE	VENDOR DWG. NO.
3/16" = 1'-0"	

DRAWING NO.	SMART NO.	REVISION
F61853	9R_SS-FE-02003	008

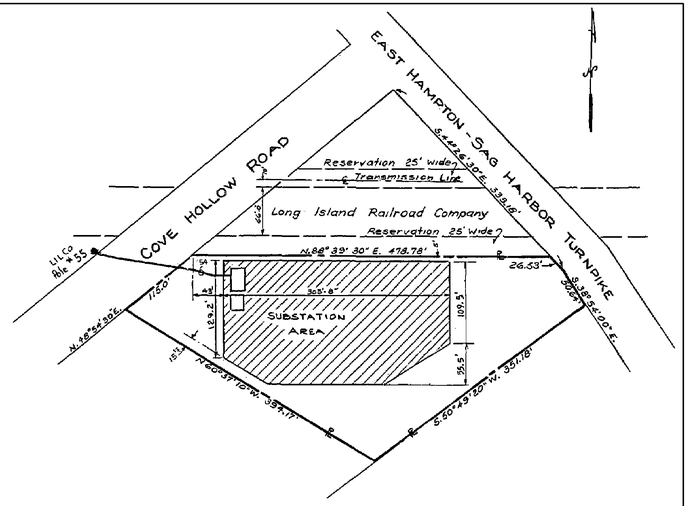
SYSTEM GRID NUMBER	CABINET NO.	FOLDER NO.
	12	22



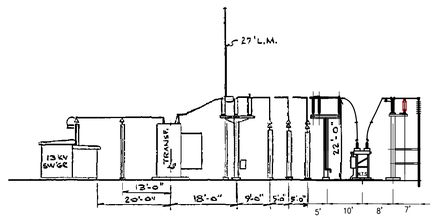
PLAN



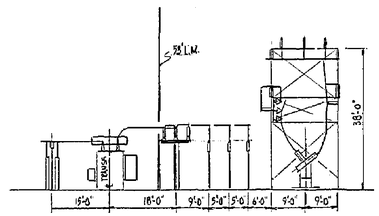
SECTION "A-A"



LOCATION PLAN
SCALE: 1"=100'



SECTION "C-C"



SECTION "D-D"

REFERENCE DRAWINGS
SEE LIST ON DRAWING F-22890

F22881

ISSUE NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
29	12/28/22	L.99677	INSTALL NEW TERMINAL AND GCB 640	RB			R.SHAH
28	05/14/22	L.99704	REPLACE BANK 1 WITH 69-33, REBUILD BUS 1 TO 33KV	RAB	RV		R. SHAH
27	09/13/21	L.99704	REPLACE BANK 2 WITH 69-33, REBUILD BUS 2 TO 33KV	RAB			R. SHAH
0	08/01/58	900001 2400	ORIGINAL ISSUE				

Long Island Power Authority
BUELL SUBSTATION
EAST HAMPTON; NEW YORK

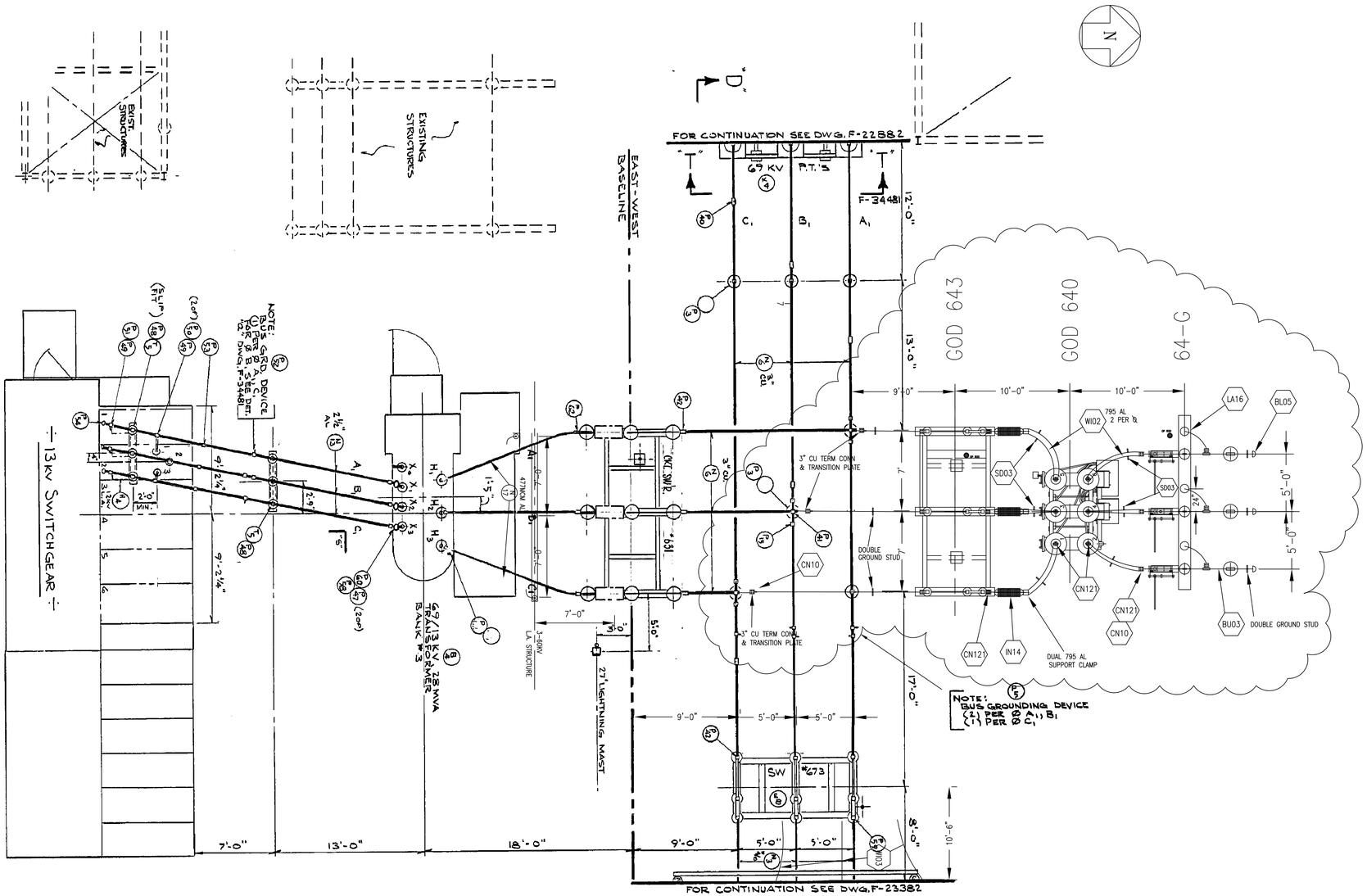
69-23-13KV SUBSTATION
PLOT PLAN

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

SCALE 1"=20'-0" | VENDOR DWG. NO.

DRAWING NO. F22881 | SMART NO. 9E_SS-FE-01002 | REVISION 029

SYSTEM GRID NUMBER | CABINET NO. 12 | FOLDER NO. 36



F-34482

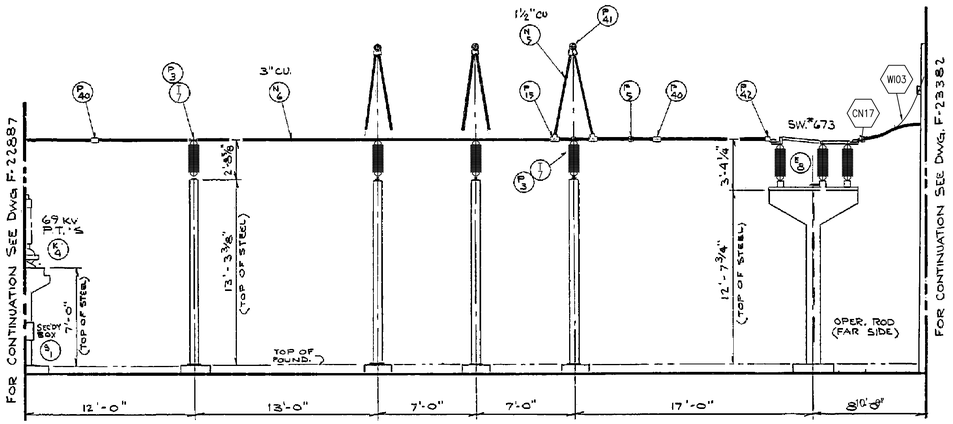
ISSUE NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
10	12/28/22	L9677	INSTALL NEW TERMINAL AND GCB 640	RB	RKT		RJWR
9	06/06/19	L9744	ENGINEERING AND DESIGN FOR THIS REVISION PERFORMED BY PSEG LI ENGINEERING & SURVEY, INC REPLACED GCB 670	SPB	SPB		AJWR
8	08/09/99	48232	"Engineering for this revision performed by KEYSPAN ENERGY"	A.M.	D.S.		
7	09/28/98	48232	INSTALL 3-60KV POLYMER LA'S. ON NEW STRUCTURE "ENGINEERING FOR THIS REVISION PERFORMED BY MARKETSPAN CORPORATE SERVICES LLC"	JMF	D.S.	P.C.	K.V.
6	12-12-96	46147	REPLACED CAP & PIN INSULATORS	A.M.	R.M.	J.C.	D.S.
0	6-3-69	4000	ORIGINAL ISSUE	PH	RJG	AD	

Long Island Power Authority
BUELL SUBSTATION
EAST HAMPTON; NEW YORK

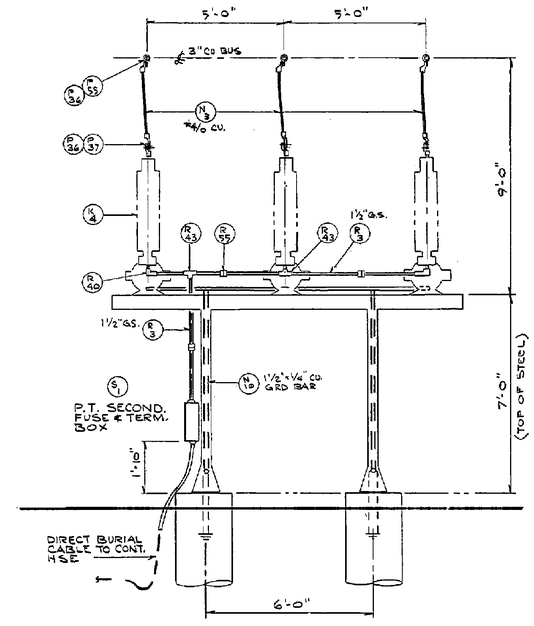
ARRANGEMENT PLAN SHEET # 3
69-23-13KV SUBSTATION

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

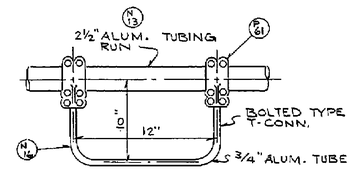
SCALE	3/16" = 1'-0"
VENDOR DWG. NO.	F-34482-6
DRAWING NO.	F34482
SMART NO.	9E_SS-FE-02008
REVISION	010
SYSTEM GRID NUMBER	
CABINET NO.	12
FOLDER NO.	37



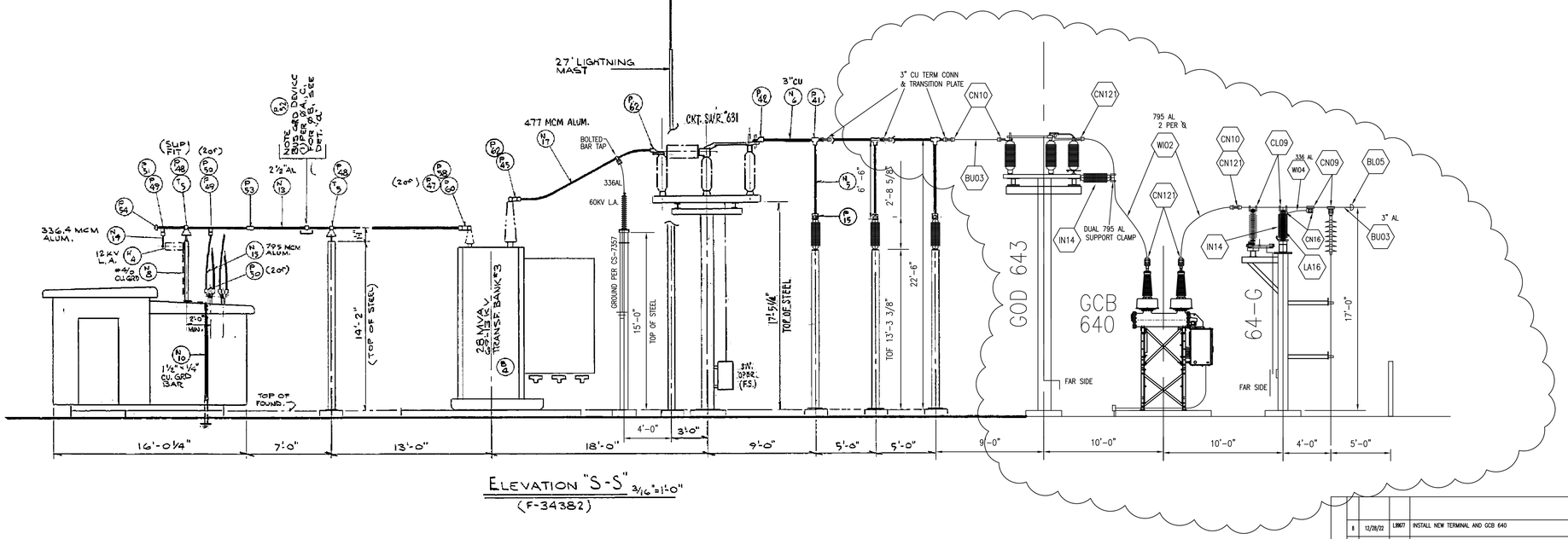
— ELEVATION "D-D" 3/16"=1'-0"
(F-34382)



— SECTION "T-T" 3/8"=1'-0"
(DWG. F-34382)



13 kv TRANSF.-SW'GR BUS GROUND
CENTER PHASE ONLY
— DETAIL "d" —



— ELEVATION "S-S" 3/16"=1'-0"
(F-34382)

F-34481

ISSUE NO.	DATE	W.O.	DESCRIPTION	DWN BY	CKD BY	REVIEWED	APPD
8	12/28/22	L9907	INSTALL NEW TERMINAL AND GCB 640	RB	RJW		RJWR
7	08/06/19	L8764	ENGINEERING AND DESIGN FOR THIS REVISION PERFORMED BY PSEG LI ENGINEERING & SURVEY, INC. REPLACED GCB 670.	SPB	SPB		AJWR
6	08/10/99	48232	HISTORICAL REVISION "Engineering for this revision performed by KEYSPAN ENERGY"	A.M.	D.S.		
5	09/29/98	48232	INSTALL 3-60KV POLYMER L.A.'S ON NEW STRUCTURE "ENGINEERING FOR THIS REVISION PERFORMED BY MARKETSPAN CORPORATE SERVICES LLC"	JMF	D.S.	P.C.	K.V.
4	12-12-96	46147	REPLACED CAP & PIN INSULATORS	A.M.	R.M.	J.C.	D.S.
0	12/3/98	40065	ORIGINAL ISSUE	PH	RJC		AD

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

Long Island Power Authority
BUELL SUBSTATION
EAST HAMPTON; NEW YORK

SECTIONS & ELEVATIONS SHEET#5
69-23-13KV SUBSTATIONS

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

SCALE	VENDOR DWG. NO.	
NOTED	F-34481-04	
DRAWING NO. F34481	SMART NO. 9E_SS-FE-02007	REVISION 008
SYSTEM GRID NUMBER	CABINET NO. 12	FOLDER NO. 37