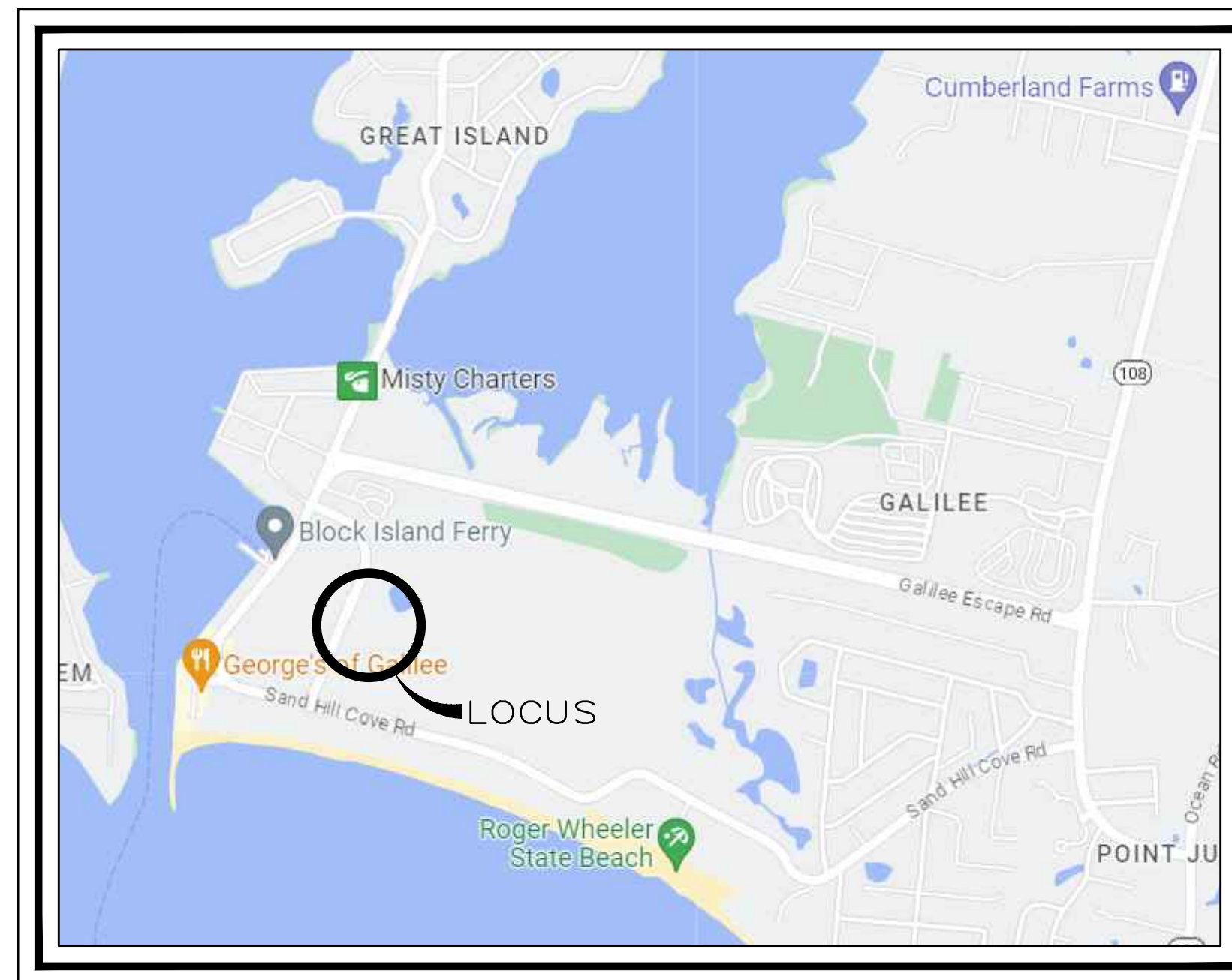


THE BLOCK ISLAND FERRY
INTERSTATE NAVIGATION COMPANY

PLAN OF PROPOSED

STANDBY PARKING LOT REDESIGN

LOCATED
160 GALILEE CONNECTOR RD
NARRAGANSETT, RI 02882
WASHINGTON COUNTY



LOCUS
N.T.S.

INDEX TO DRAWINGS

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GENERAL NOTES:

1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN.

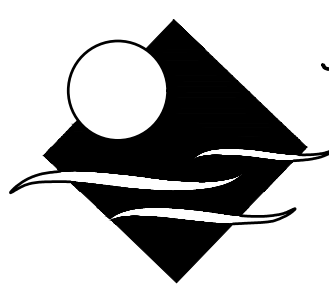
THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
3. ALL CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
4. THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
5. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES.
6. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
7. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND MICRO MILLING OPERATIONS.
11. ALL ITEMS NOT REFERENCED FOR MODIFICATION WILL BE "EXISTING TO REMAIN" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. THERE ARE NO LOCATIONS IN THE PROJECT AREA AND WITHIN THE RIGHT OF WAY TO STORE CONSTRUCTION MATERIAL AND EQUIPMENT; THEREFORE, THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO STORE CONSTRUCTION MATERIAL AND EQUIPMENT ELSEWHERE AT NO ADDITIONAL COST TO THE TOWN.

DRAINAGE, EROSION CONTROL, AND UTILITY NOTES:

1. NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE REESTABLISHED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
2. STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED CRMC AND WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODIBLE MATERIAL SHALL ALSO BE SEEDED AND RINGED.
3. JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
4. SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
 - a. SEEDING TYPE 1.
 - b. ADHESIVE MULCH STABILIZER
5. UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
6. PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
7. ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
8. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
9. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
10. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
11. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE TOWN.
12. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
13. ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

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DESIGNED BY: OHL
DRAWN BY: OHL
CHECKED BY: JJG
SCALE: AS SHOWN
DATE: APRIL 2023
NO.: BY: DATE: REMARKS:
CADD FILE: DATE PRINTED: 8/25/23



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**INTERSTATE NAVIGATION
RE-DESIGN OF THE
STANDBY PARKING LOT
AT THE PORT OF GALILEE**

NOTES

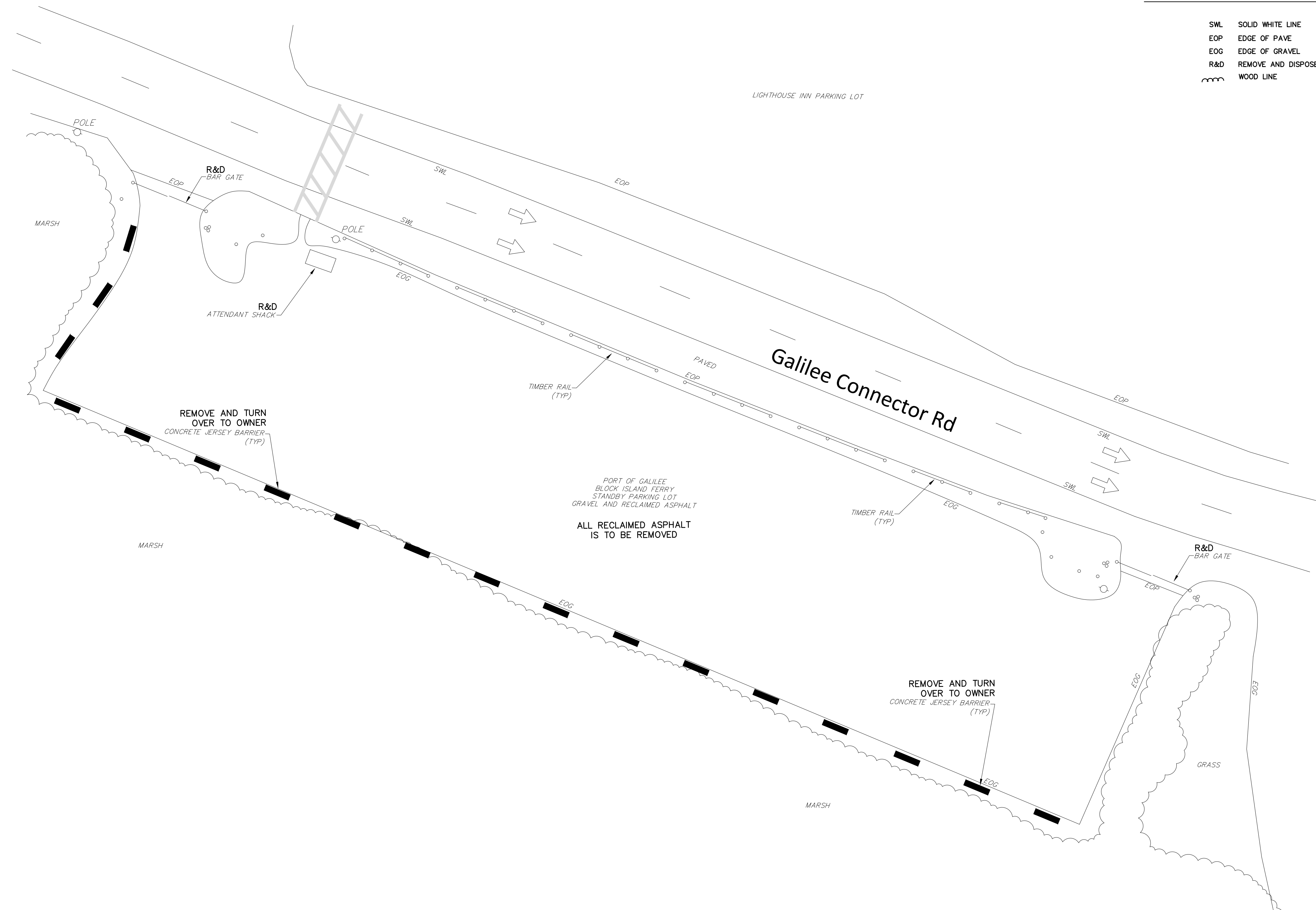
SHEET NO.
1

NOTE: ALL STRIPING TO BE REPLACED IN-KIND BY GENERAL CONTRACTOR



LEGEND AND ABBREVIATIONS

- SWL SOLID WHITE LINE
- EOP EDGE OF PAVE
- EOG EDGE OF GRAVEL
- R&D REMOVE AND DISPOSE
- WOOD LINE

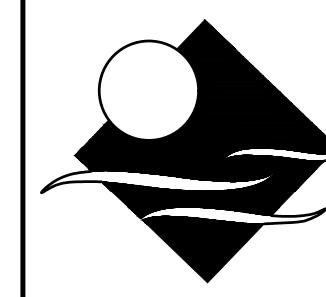


SECTION
SCALE: 1" = 1'-0"

0 10 20 30 40 50
SCALE: 1"=20'

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CADD FILE:		DATE PRINTED:	8/25/23

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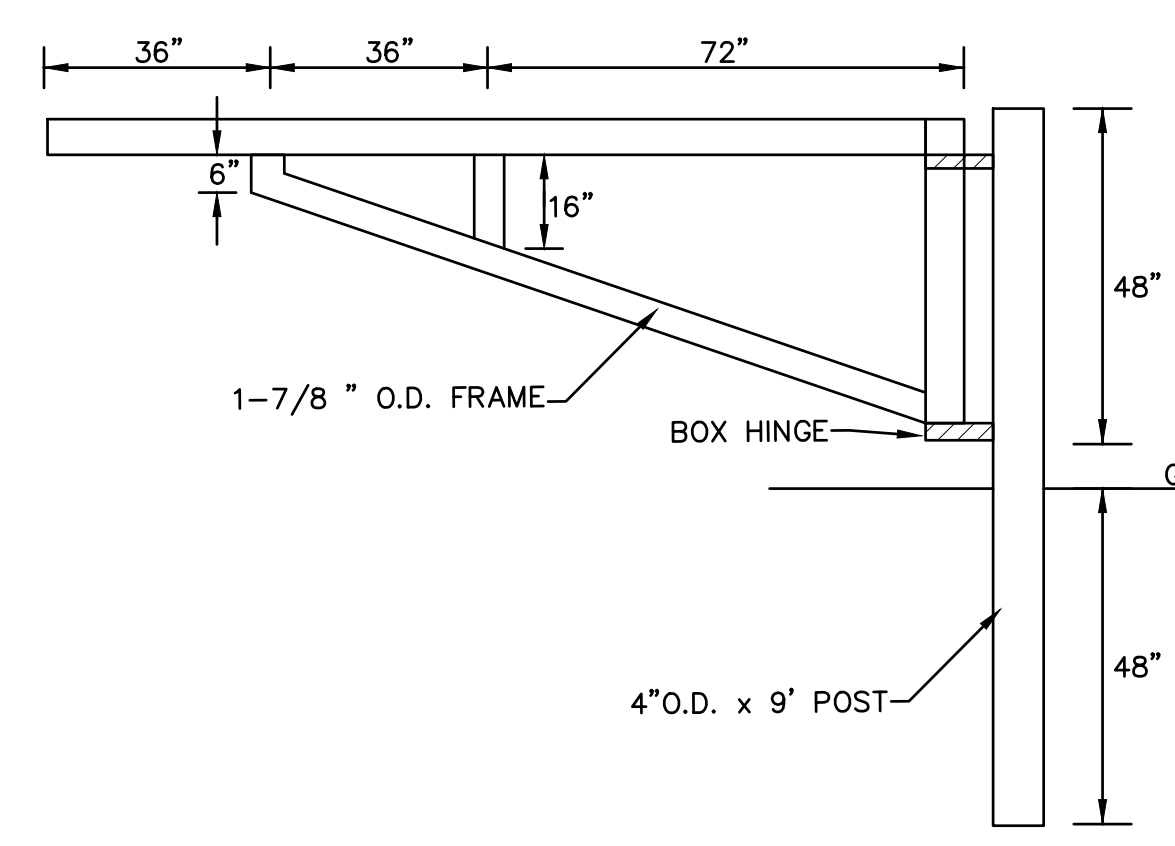
PLAN
 EXISTING CONDITIONS

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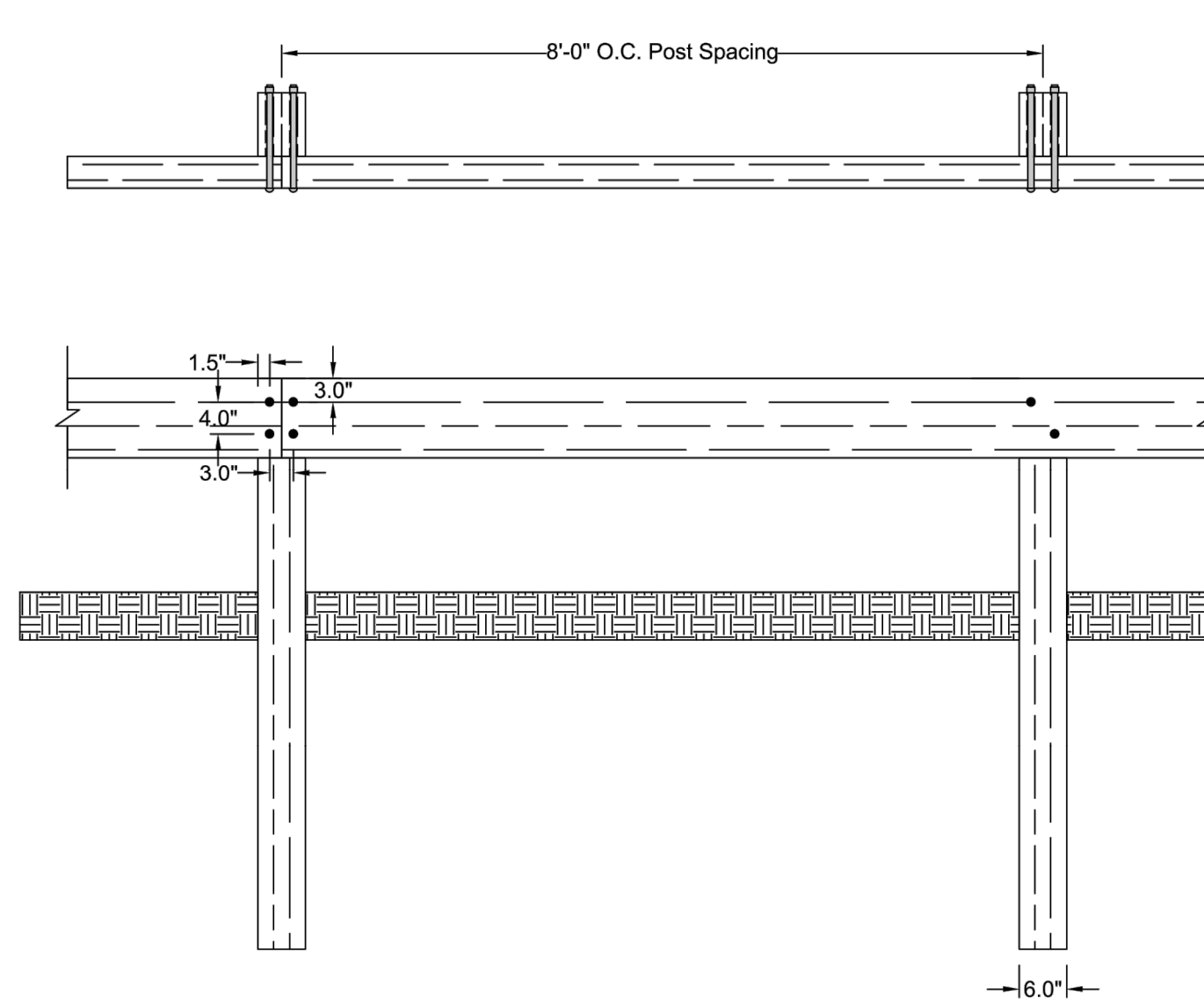
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NOTE:
24' WIDE DOUBLE GATE w/ 2" GALVIZED STEEL FRAME

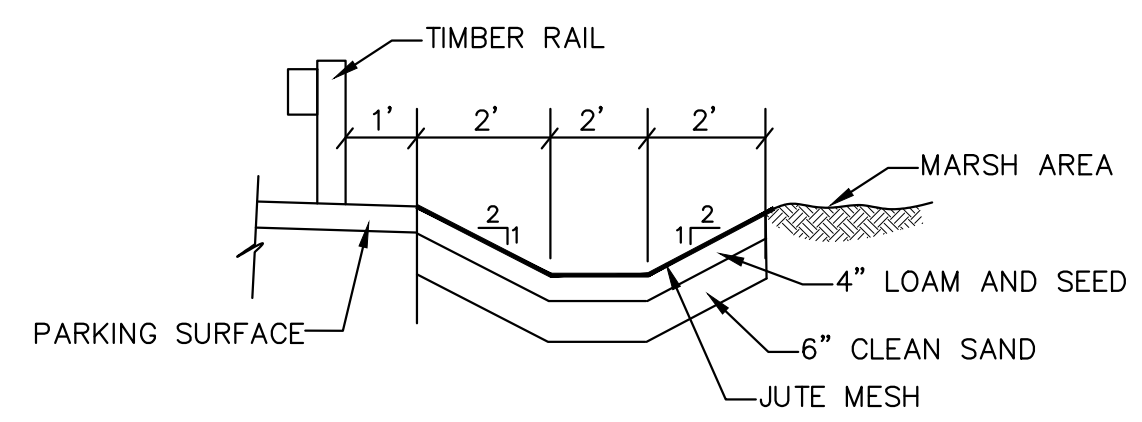


BAR GATE - DETAIL
SCALE: 1" = 1'-0"

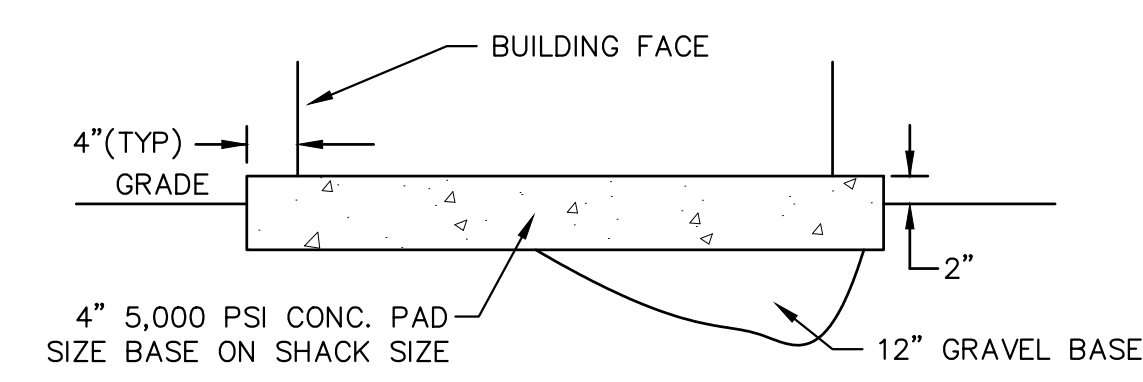


TIMBER GUARD RAIL - DETAIL
SCALE: NTS

- Notes:
- 1) Rails: 4x10 x 16'-0"
 - 2) Posts: 6x8 x 6'-0"
 - 3) All wood shall be #2 southern yellow pine, S4S, pressure treated MCA .23 UC4B
 - 4) Hardware: 3/4" diameter x 14" galvanized carriage bolts with nut and washer
 - 5) Posts mechanically driven into earth



TYPICAL SECTION DRAINAGE SWALE
NOT TO SCALE

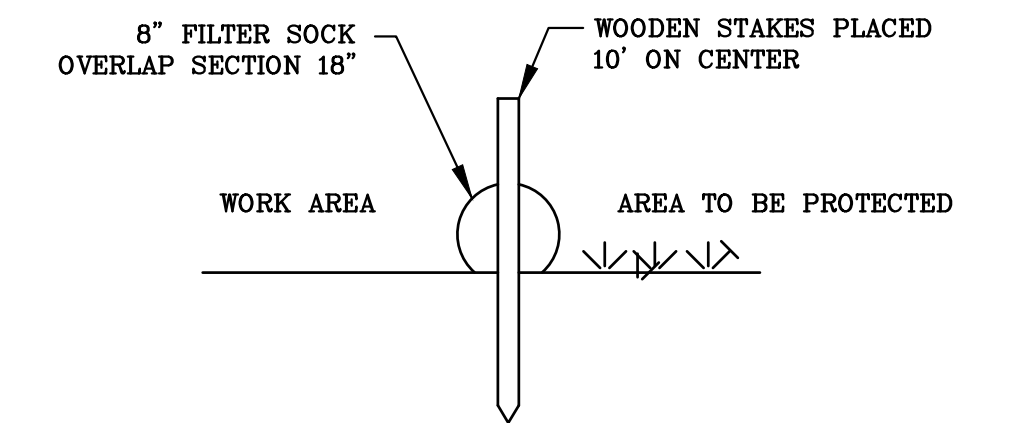


CONC. BUILDING PAD
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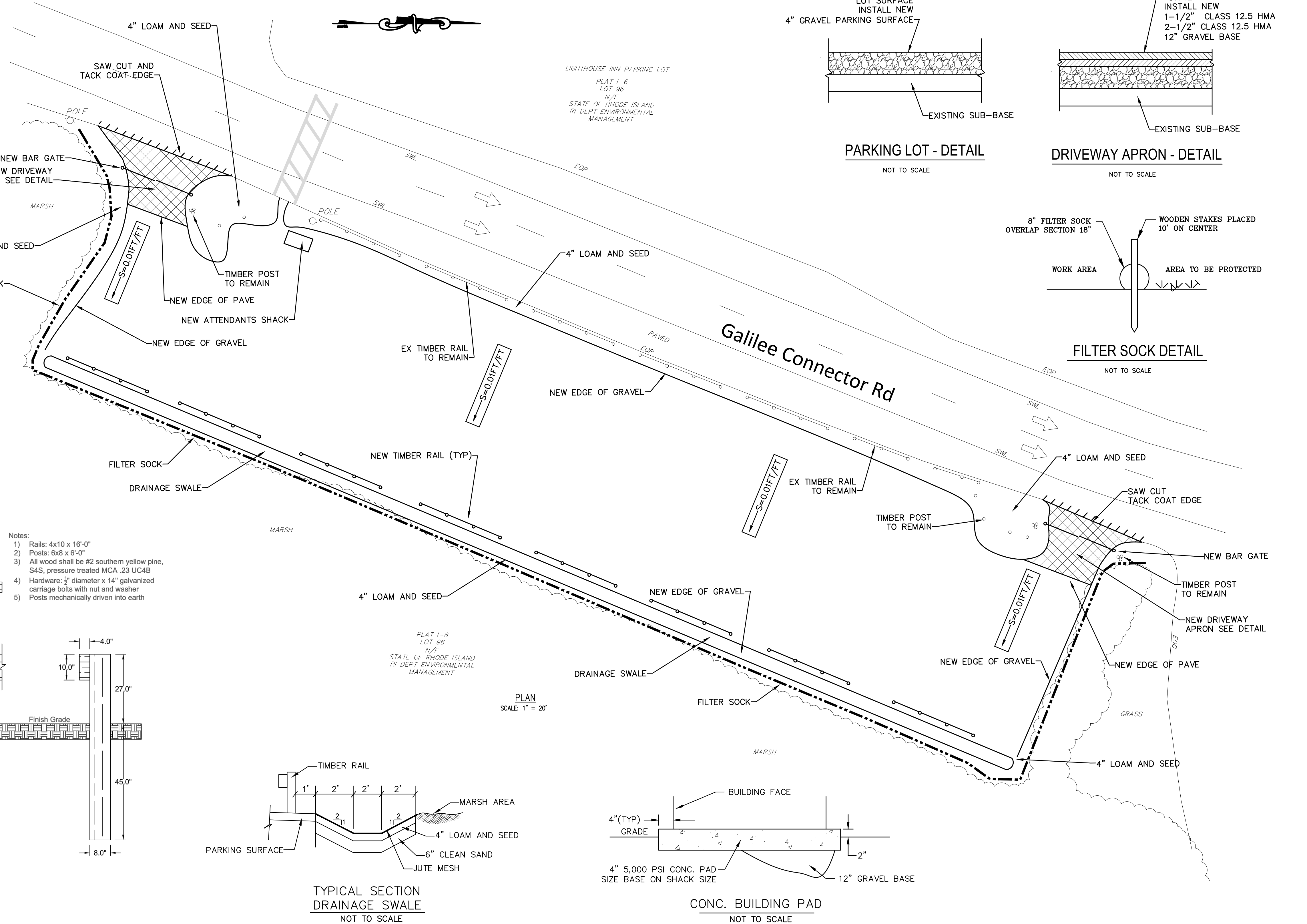


PARKING LOT - DETAIL
NOT TO SCALE

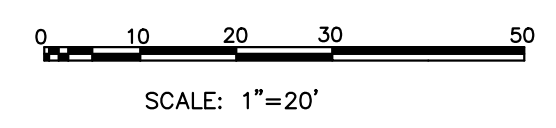
DRIVEWAY APRON - DETAIL
NOT TO SCALE



FILTER SOCK DETAIL
NOT TO SCALE

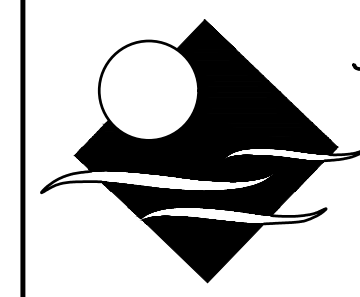


PLAN
SCALE: 1" = 20'



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INTERSTATE NAVIGATION
RE-DESIGN OF THE
STANDBY PARKING LOT
AT THE PORT OF GALILEE

PLAN
PROPOSED WORK

SHEET NO.
3

ELECTRICAL SYMBOLS	
	LINEAR LIGHTING FIXTURES "F1" INDICATES FIXTURE TYPE - TYPICAL FOR ALL FIXTURES "1" INDICATES CIRCUIT NUMBER - TYPICAL FOR ALL FIXTURES "a" INDICATES THE SWITCH CONTROL - TYPICAL FOR ALL FIXTURES
	WALL MOUNTED LIGHTING FIXTURE.
	POLE MOUNTED LIGHTING FIXTURE.
	SINGLE POLE SWITCH 120V, 20A "a" INDICATES THE SWITCH CONTROL
	2-POLE SWITCH 120V, 20A 1 POLE FOR ROOM LIGHT FIXTURES, 1-POLE FOR EXHAUST FAN CONTROL
	3-WAY SWITCH 120V, 20A "a" INDICATES THE SWITCH CONTROL
	ASTRONOMICAL TIME CLOCK SWITCH
	DUPLEX RECEPTACLE, WEATHER-RESISTANT 120V, 20A WITH WEATHERPROOF COVER, "1" INDICATES CIRCUIT NUMBER, "GF" INDICATES GROUND FAULT TYPE - TYPICAL FOR ALL RECEPTACLES
	DUPLEX RECEPTACLE 120V, 20A
	(2) DUPLEX (QUAD) RECEPTACLE 120V, 20A
	EXPLOSION PROOF RECEPTACLE 120V, 20A
	UNFUSED DISCONNECT SWITCH, "30" INDICATES 30 AMP RATING, PROVIDE 3-POLE UNLESS OTHERWISE INDICATED.
	FUSED DISCONNECT SWITCH, "20" INDICATES 20 AMP FUSE RATING, PROVIDE 3-POLE UNLESS OTHERWISE INDICATED.
	MANUAL MOTOR STARTER 120V, 20A
	JUNCTION BOX
	HAND HOLE

ELECTRICAL SYMBOLS	
	UNDERGROUND CONDUIT DUCT BANK
	HOMERUN DESIGNATION TO PANEL PP1 CIRCUIT #1, WITH THE FOLOWING CONDUIT/WIRES UNLESS OTHERWISE NOTED: <ul style="list-style-type: none"> 3/4" C WITH 2#12, 1#12GND FOR 20AMP SINGLE PHASE CIRCUITS. 3/4" C WITH 3#12, 1#12GND FOR 20AMP THREE PHASE CIRCUITS. 3/4" C WITH 2#10, 1#10GND FOR 30AMP SINGLE PHASE CIRCUITS. 3/4" C WITH 3#10, 1#10GND FOR 30AMP THREE PHASE CIRCUITS. 3/4" C WITH 2#8, 1#10GND FOR 40AMP & 50AMP SINGLE PHASE CIRCUITS. 3/4" C WITH 3#8, 1#10GND FOR 40AMP & 50AMP THREE PHASE CIRCUITS.
	SURGE PROTECTION DEVICE
	UTILITY POLE
	MOLDED CASE CIRCUIT BREAKER, 3-POLE UNLESS OTHERWISE INDICATED, *20" INDICATES TRIP AMPERE RATING, *100" INDICATES FRAME SIZE, "LSIG" LONG, SHORT, INSTANTANEOUS AND GROUND FAULT PROTECTION RESPECTIVELY "GFI" GROUND FAULT PROTECTION
	MECHANICAL KEYED INTERLOCK ON CIRCUIT BREAKER AND SWITCH HANDLES
	DRY TYPE TRANSFORMER
	ELECTRIC HAND HOLE (REFER TO SITE DETAILS)
	3/4" x 10'-0" COPPER CLAD GROUND ROD
	BUILDING GROUNDING SYSTEM
	MOTOR, "10" INDICATES HORSEPOWER RATING
	CABLE/CONDUIT DESIGNATION, "xx" REFERS CABLE CONDUIT REFERENCE, REFER TO CABLE/CONDUIT SCHEDULES.

GENERAL NOTES	
1.	ALL CONDUIT AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES.
2.	BONDING JUMPERS, CONDUIT CLAMPS AND POINTS OF ATTACHMENT ARE NOT SHOWN ON DRAWINGS. SIZE BONDING JUMPERS IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. THE POINTS OF ATTACHMENT OF THE GROUND CLAMPS SHALL BE ACCESSIBLE LOCATIONS.
3.	EQUIPMENT & CONDUIT INSTALLATIONS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
4.	CONDUITS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO MOTORS AND OTHER EQUIPMENT.
5.	NO CONDUIT SMALLER THAN 3/4" PIPE SIZE NOR WIRE SMALLER THAN NO. 12 A.W.G. SHALL BE USED UNLESS OTHERWISE NOTED.
6.	UNLESS OTHERWISE NOTED SWITCHES SHALL BE MOUNTED 45" ABOVE FINISHED FLOOR, RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR.
7.	THE WIRING AND BLOCK DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL AND PROCESS EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.

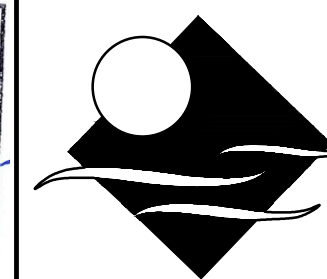
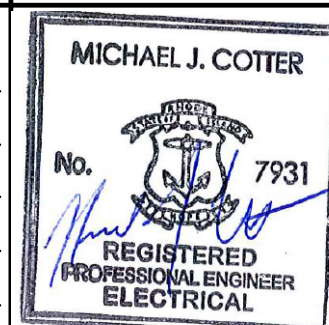
DEMOLITION NOTES	
1.	UNLESS OTHERWISE NOTED, ALL EXISTING ELECTRICAL SYSTEMS (POWER, LIGHTING, LOW VOLTAGE, ETC) AND ASSOCIATED EQUIPMENT WITHIN THE HATCH MARKS IS TO BE DEMOLISHED OR SALVAGED. DISCONNECT AND DE-ENERGIZE THE EQUIPMENT. REMOVE AND PROPERLY DISPOSE OF THE EQUIPMENT TO BE DEMOLISHED. ALL CONDUIT, WIRING, BOXES, SUPPORTS, ETC, ASSOCIATED WITH THE DEMOLISHED EQUIPMENT SHALL BE REMOVED.
2.	NO DEVICE OR EQUIPMENT INDICATED FOR DEMOLITION WILL BE REUSED OR SALVAGED UNLESS SPECIFICALLY NOTED AS SUCH. ALL EQUIPMENT REMOVED SHALL BE REMOVED FROM SITE AND PROPERLY DISPOSED OF, PRIOR TO REMOVAL OF EQUIPMENT COORDINATE WITH OWNER FOR ANY EQUIPMENT THE OWNER WILL KEEP.

ABBREVIATIONS	
(2)1" C, 3#8, #10GND	2, 1-INCH CONDUITS EACH CONDUIT CONTAINING 3-#8 AWG WIRES AND 1-#10 GROUND CONDUCTOR
3/4" CE	EMPTY CONDUIT. NUMERAL DENOTES SIZE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
DRG. DWG.	DRAWING
EAN	EXCEPT AS NOTED
EC	ELECTRICAL CONTRACTOR
GND, GRD	GROUNDING CONDUCTOR (EQUIPMENT)
HOA	HAND-OFF-AUTOMATIC
HH	HANDHOLE
J OR JB	JUNCTION BOX
MH	MANHOLE
MFR	MANUFACTURER
NTS	NOT TO SCALE
RGS	RIGID GALVANIZED STEEL
SPD	SURGE SUPPRESSOR DEVICE
TYP	TYPICAL
UG	UNDERGROUND
WP	WATER PROOF



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DESIGNED BY: MC
 DRAWN BY: RB
 CHECKED BY: MC
 SCALE: NONE
 DATE: APRIL 2023



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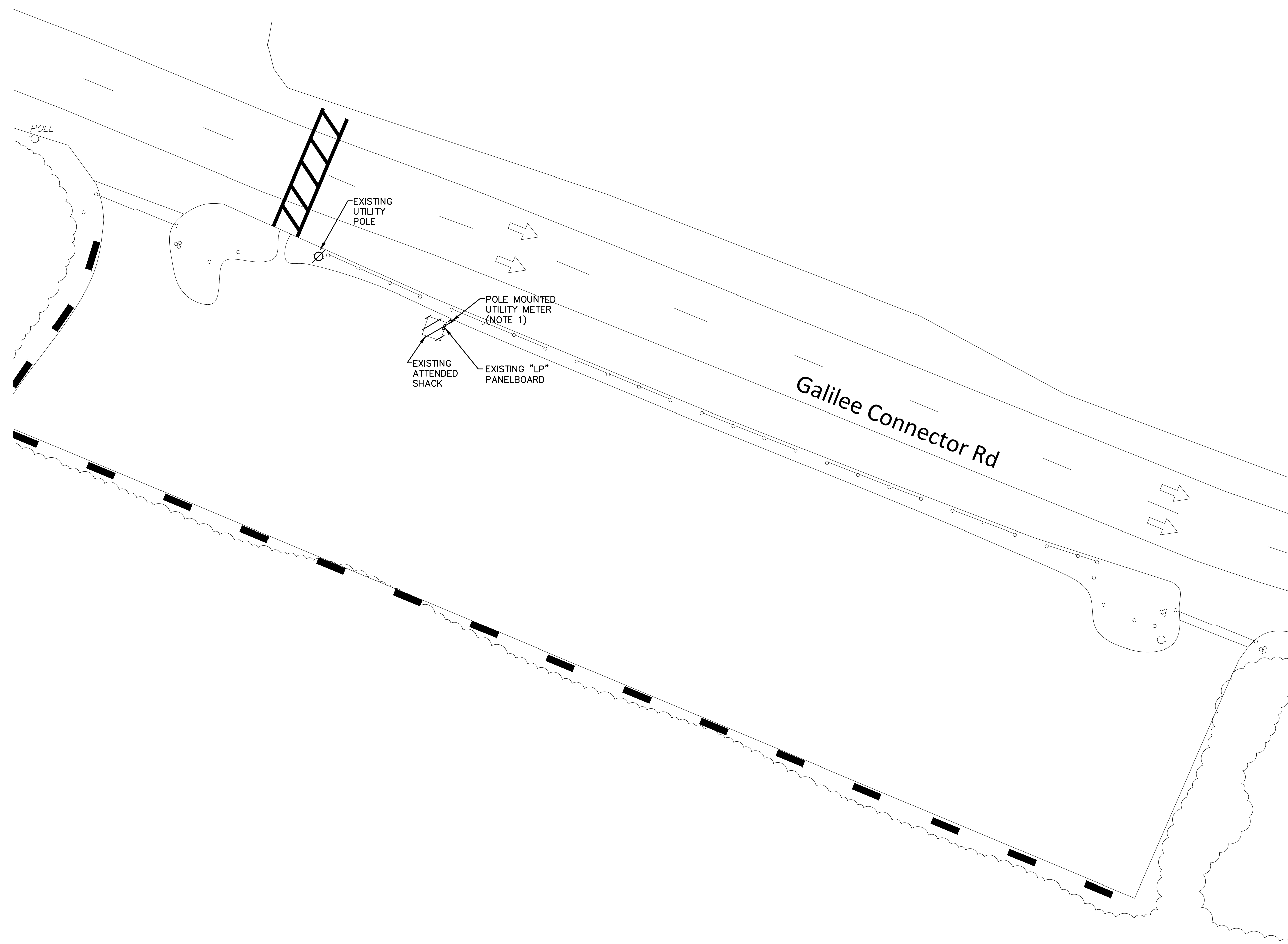
INTERSTATE NAVIGATION
 RE-DESIGN OF THE
 STANDBY PARKING LOT
 AT THE PORT OF GALILEE

ELECTRICAL
 LEGEND AND GENERAL NOTES

SHEET NO.
 4

NO.: BY: DATE: REMARKS:
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- NOTES:
1. DISCONNECT SERVICE FROM SHED AND MAKE ELECTRICALLY SAFE FOR COMPLETE DEMOLITION. COORDINATE WITH NGRID FOR THE DISCONNECTION AND REMOVAL OF THE OVERHEAD SERVICE.



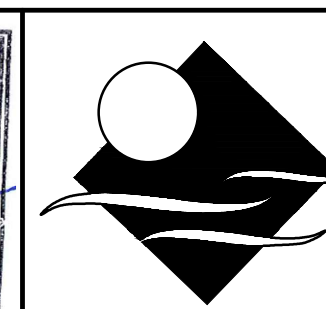
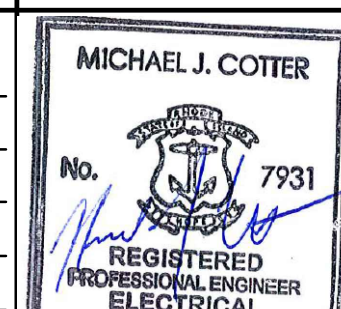
ELECTRICAL SITE PLAN – DEMOLITION
SCALE: 1"=20'-0"



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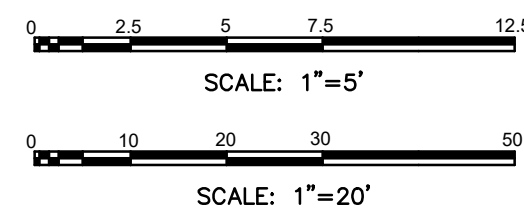
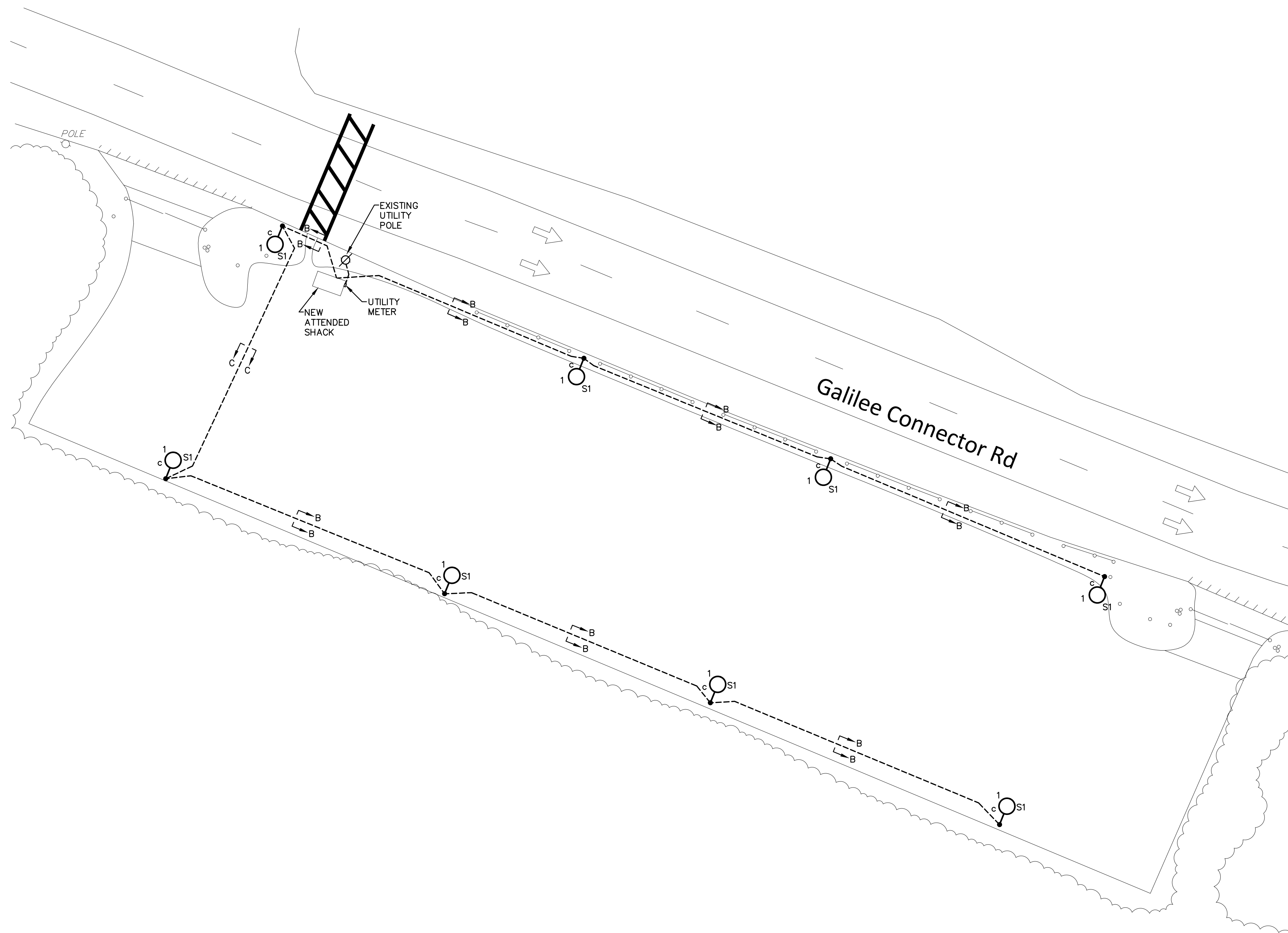
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RE-DESIGN OF THE
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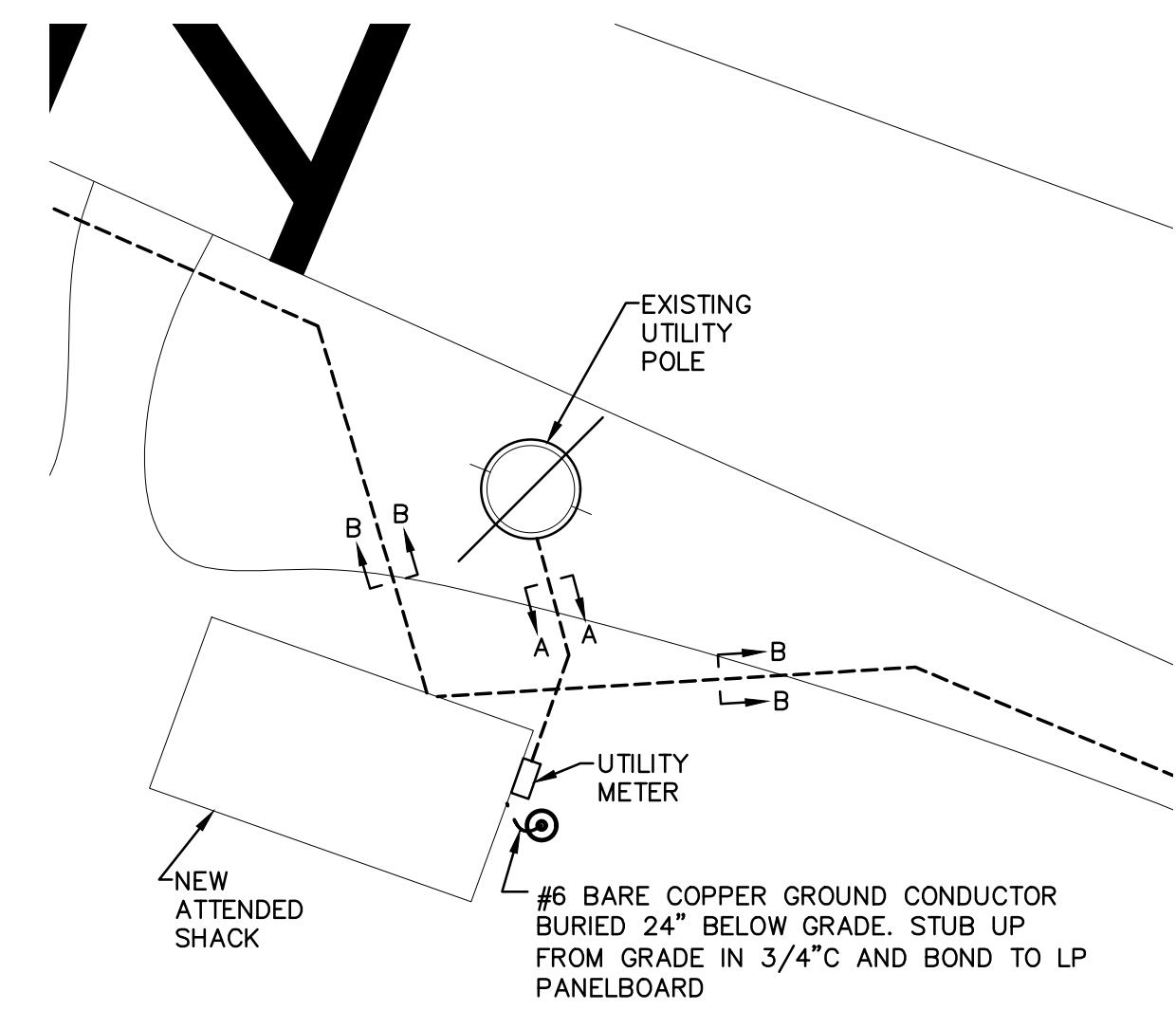
**ELECTRICAL
DEMOLITION
SITE PLAN**

SHEET NO.
5

W:\Year - 2023\23019.00 - Port of Galilee Standby Parking Lot\Electrical Department\23019.00 Electrical Plans.dwg



ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"



ELECTRICAL SITE PART PLAN
SCALE: 1"=5'-0"

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web: www.sar.com

NO.:	BY:	DATE:	REMARKS:
CADD FILE:		DATE PRINTED:	8/17/23

DESIGNED BY: MC
DRAWN BY: RB
CHECKED BY: MC
SCALE: AS SHOWN
DATE: APRIL 2023

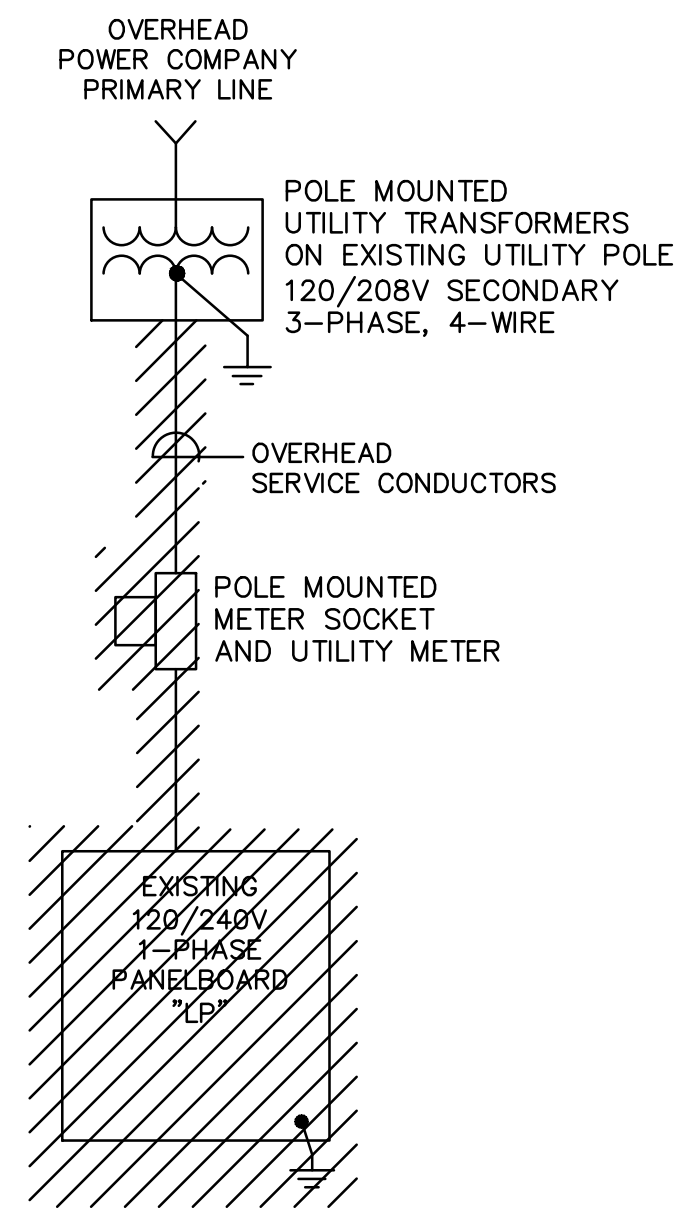
MICHAEL J. COTTER
No. 7931
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL

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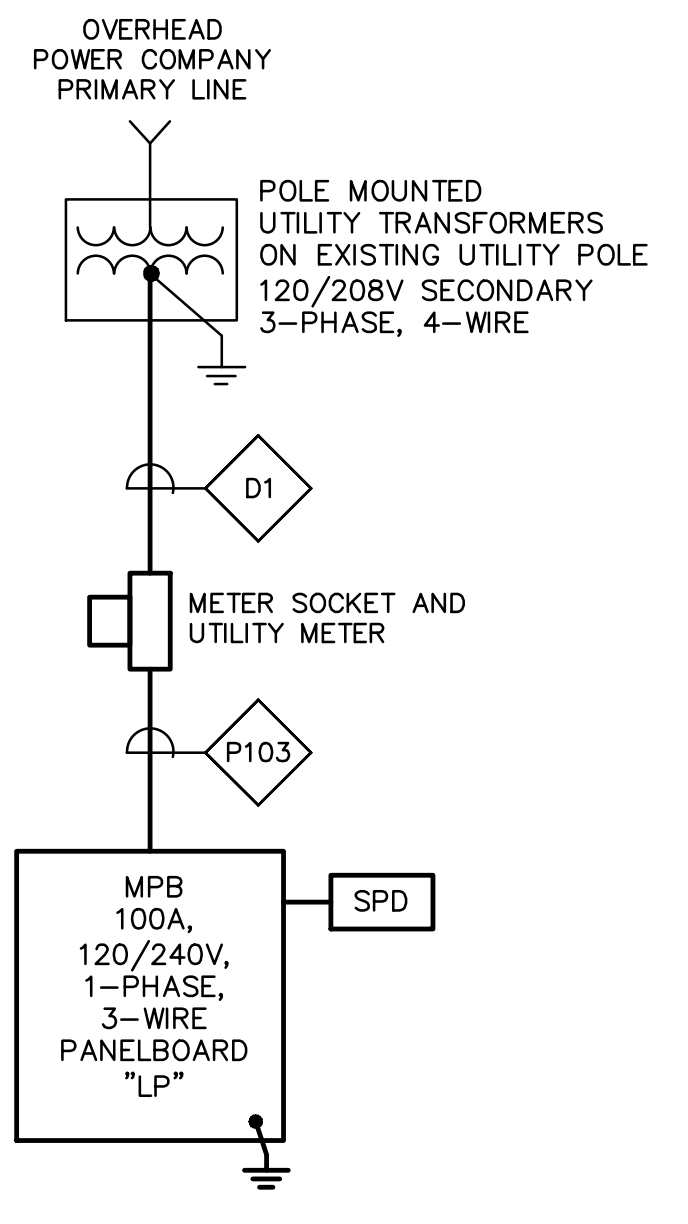
**INTERSTATE NAVIGATION
RE-DESIGN OF THE
STANDBY PARKING LOT
AT THE PORT OF GALILEE**

**ELECTRICAL
SITE PLANS**

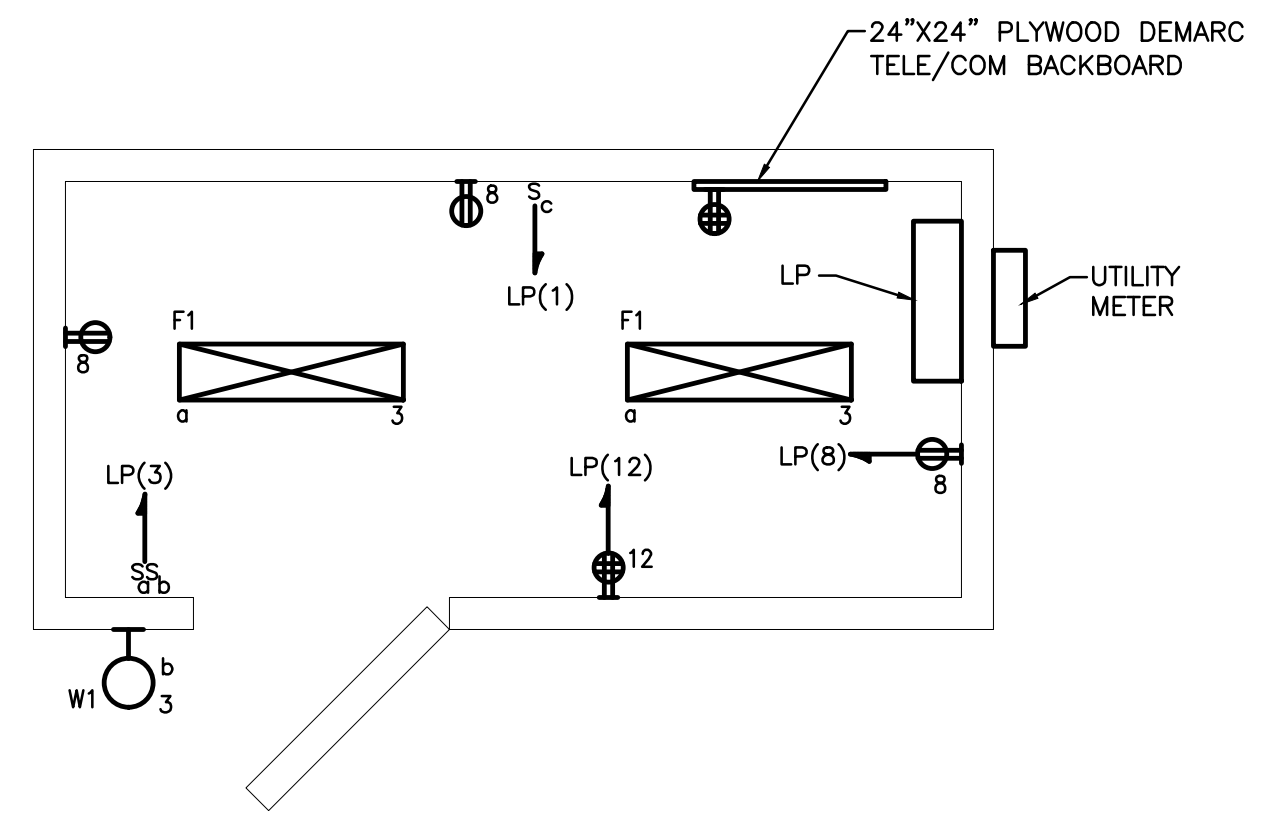
SHEET NO.
6



DEMOLITION - ONE LINE DIAGRAM
NOT TO SCALE



ONE LINE DIAGRAM
NOT TO SCALE



ATTEND SHACK PLAN
SCALE: 1/2" = 1'-0"

PANELBOARD SCHEDULE

NO. LP _____										LOCATION: ATTENDED SHACK _____																			
120/240 V, 1 PH, 3 W, 100 A MAINS										100 A SOLID NEUTRAL										100 A MCB									
10,000 AIC AT 120 V										100 A GROUND BUS										- A MLO SURFACE MOUNTING									
CIRCUIT	DESCRIPTION OF LOAD	LOAD (KVA)				BREAKER				BREAKER				LOAD (KVA)				DESCRIPTION OF LOAD	CIRCUIT										
		L1	L2	TRIP	POLE	POLE	TRIP	L1	L2	POLE	TRIP	L1	L2																
1	PARKING LOT SITE LIGHTS	1.20		20	1	2	20										2												
3	SHACK LIGHTING		0.06	20	1	1	20										4												
5	SPARE			20	1	1	20										6												
7	TELE/COM RECEPTACLES		0.40	20	1	1	20				0.60						8												
9	SPARE			20	1	1	20										10												
11	SPARE			20	1	1	20				0.40						12												
13	SPARE			20	1	1	20										14												
15	SPARE			20	1	1	20										16												
17	SPARE			20	1	1	20										18												
19	SPARE			20	1	1	20										20												
21	SPARE			20	1	1	20										22												
23	SPARE			20	1	1	20										24												
SUB-TOTAL CONNECTED		1.20	0.46									0.00	1.00	SUB-TOTAL CONNECTED															
* - PROVIDE GFCI BREAKER																													
										SUB-TOTAL CONNECTED				L1 = 1.20															
										SUB-TOTAL CONNECTED				L2 = 1.46															
										TOTAL CONNECTED				KVA = 2.66															

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER & CATALOG SERIES	LAMPS		VOLTS	WATTS	MOUNTING		REMARKS
			TYPE	LUMENS			TYPE	HEIGHT	
S1	20' LIGHT POLE WITH DIE CAST ALUMINUM LED AREA LIGHT, INTEGRAL PHOTOCELL CONTROLLED	LITHONIA DSX1-LED-P5-50K-70CRI-T3M-MVOLT-RPA-DDBTXD-PIR	LED 5000K	17,974lm	120	142	20' POLE	23' AFG INCLUDING 3' BASE	ALUMINUM ROUND POLE WITH BASE COVER: RSA-20-5C-DM19AS-BAA-UL-FBC-DDBXD
F1	24" LED ENCLOSED AND GASKETED INDUSTRIAL LIGHTING FIXTURE.	LITHONIA FEM-L24-2000LM-IMAFI-MD-MVOLT-35K-80CRI	LED 3500K	3,615lm	120	14	SURFACE	-	-
W1	EXTERIOR BUILDING MOUNTED LED MINI WALL PACK LIGHT FIXTURE, INTEGRAL PHOTOCELL CONTROLLED	LITHONIA TWS-LED-P1-50K-PE	LED 5000K	1476lm	120	25	WALL	7'-0 AFG	INTEGRAL PHOTOCELL CONTROLLED

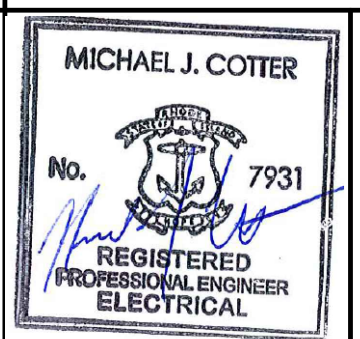
LIGHTING FIXTURE SCHEDULES NOTES:
1. THE CATALOG NUMBERS LISTED ARE GIVEN AS A GUIDE TO THE DESIGN AND QUALITY OF FIXTURE DESIRED. EQUIVALENT DESIGNS, MATERIALS, DIMENSIONS, COEFFICIENT OF UTILIZATIONS AND EQUAL QUALITY FIXTURES OF OTHER MANUFACTURERS WILL BE ACCEPTABLE.

POWER CABLE/CONDUIT SCHEDULE

SYMBOL	CONDUIT SIZE*	CONDUCTORS*	GND*
P22	3/4"	(2)#12	(1)#12
P23	3/4"	(3)#12	(1)#12
P26	3/4"	(6)#12	(1)#12
P32	3/4"	(2)#10	(1)#10
P33	3/4"	(3)#10	(1)#10
P53	3/4"	(3)#8	(1)#10
P54	3/4"	(4)#8	(1)#10
P63	1"	(3)#6	(1)#8
P64	1"	(4)#6	(1)#8
P83	1 1/4"	(3)#4	(1)#8
P84	1 1/4"	(4)#4	(1)#8
P103	1 1/2"	(3)#3	(1)#6

NOTE: CONDUIT AND CONDUCTOR SIZES ARE TO BE PER THE ABOVE SCHEDULES UNLESS OTHERWISE NOTED.

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INTERSTATE NAVIGATION
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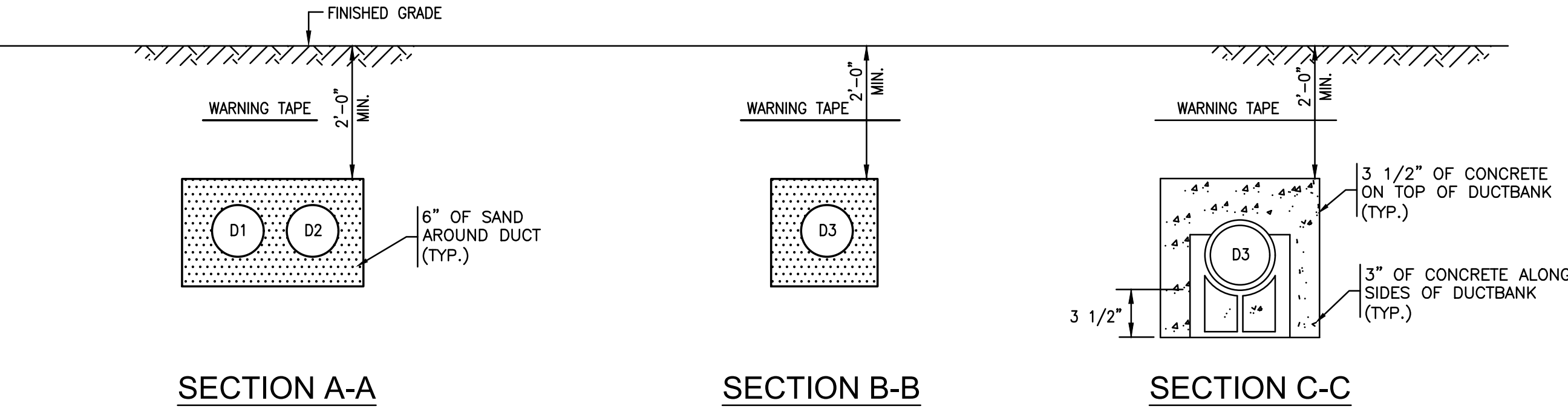
ELECTRICAL
ONE LINE DIAGRAMS,
PLAN, AND SCHEDULES

SHEET NO.
7

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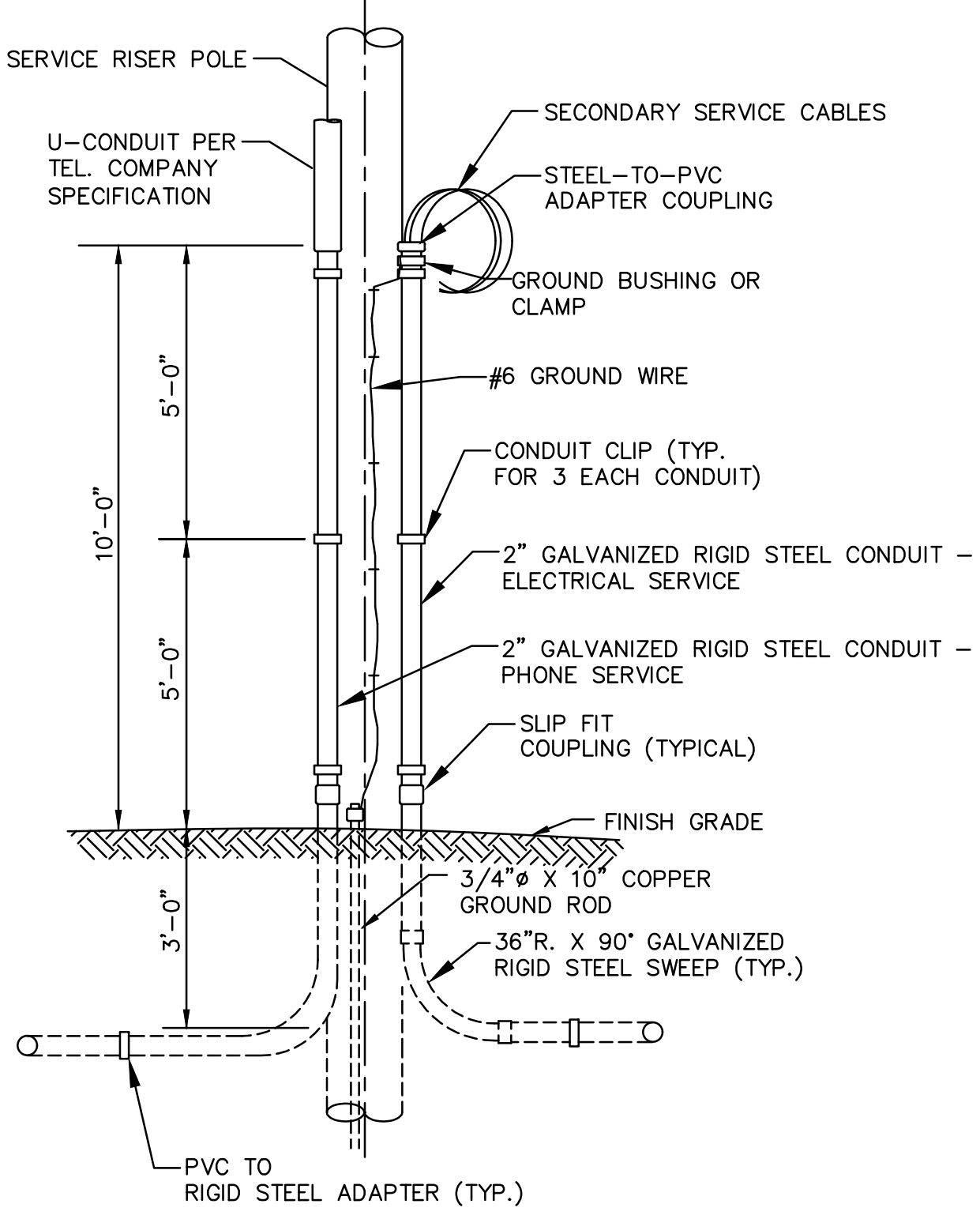
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DUCT / CABLE SCHEDULE				
DUCT NO.	SIZE	CONDUCTORS	FROM	TO
D1	2"	(3) #3	UTILITY POLE	UTILITY METER
D2	2"	PULL STRING FOR TELE/COM SERVICE PROVIDER	UTILITY POLE	ATTENDED SHACK TELE/COM DEMARK BACKBOARD
D3	1"	(1) #10, #10 GND	LIGHT SWITCH IN ATTENDED SHACK	SITE POLE LIGHTS

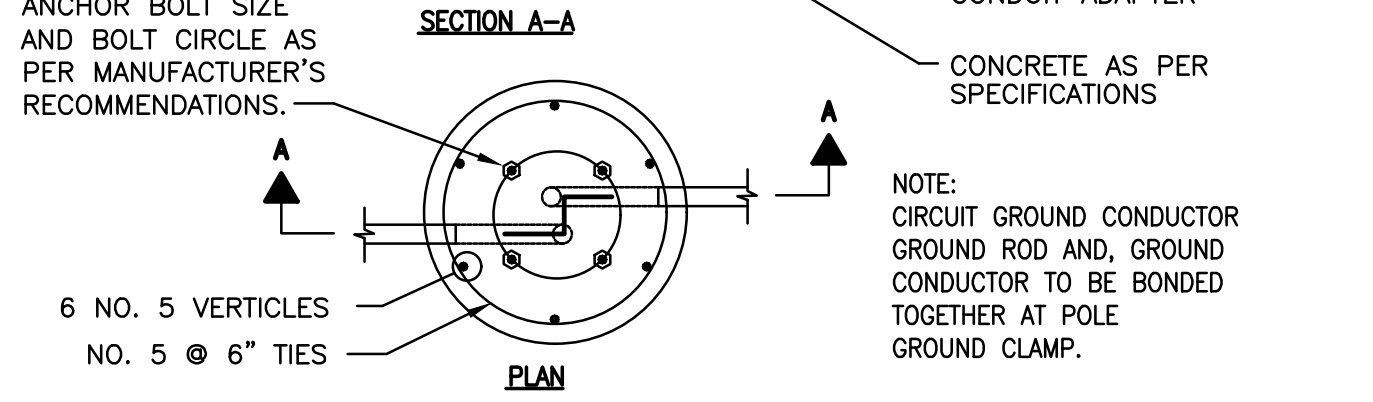
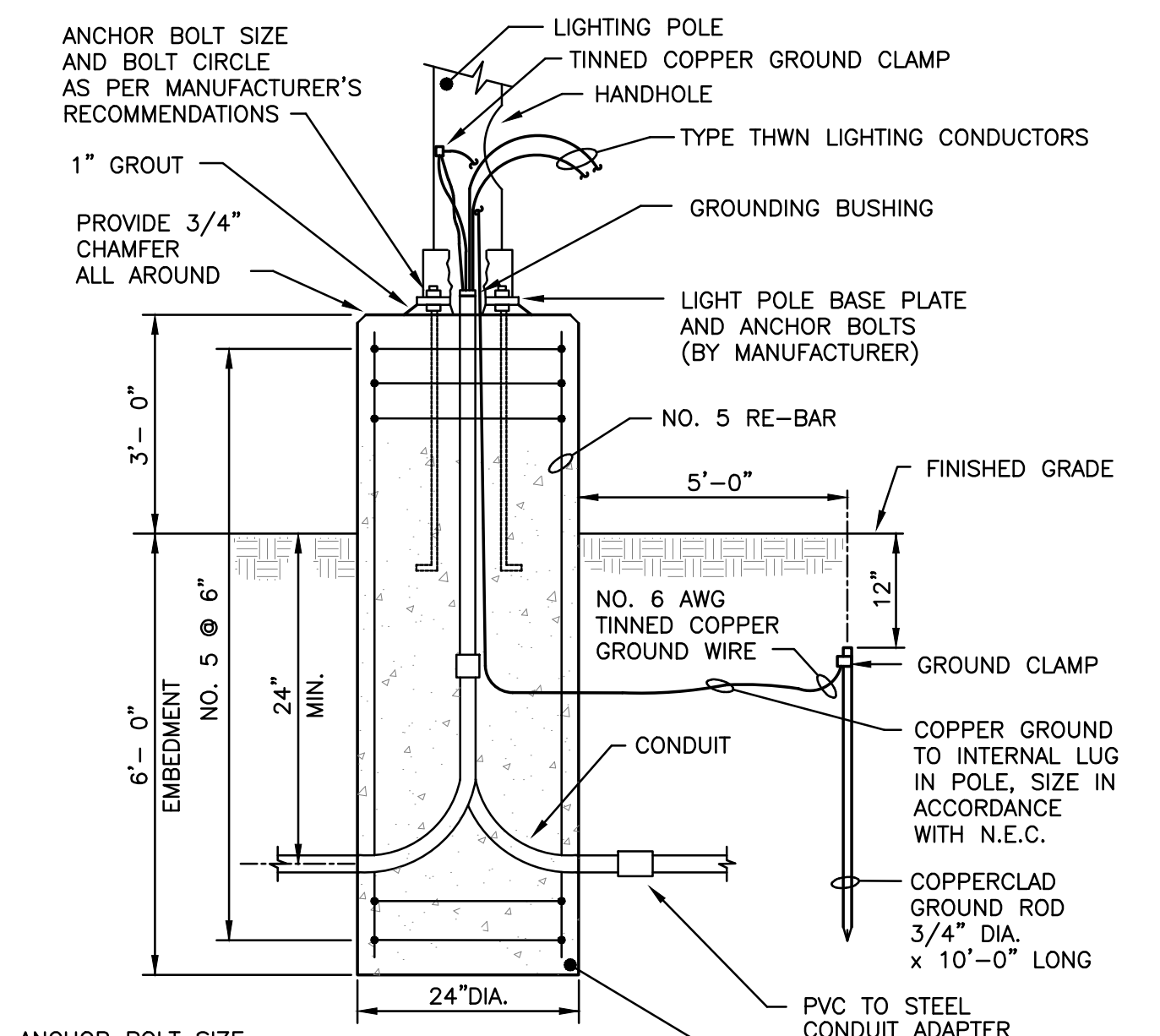


- NOTES:**
- BACKFILL DUCT BANK IN LAYERS AND MANUALLY TAMP OR "PUDDLE" CONCRETE FILL. PROVIDE RED DUCT BANK MARKER TAPES, READING "CAUTION - ELECTRICAL LINES BELOW", OVER ENTIRE LENGTH OF DUCTLINE. LOCATE TAPES 12 INCHES BELOW GRADE. PROVIDE A TAPE FOR EVERY 12 INCHES OF WIDTH OF DUCTLINE.
 - CONCRETE TO BE 4000 PSI AFTER 28 DAYS.

DUCTBANK SECTIONS
 NOT TO SCALE



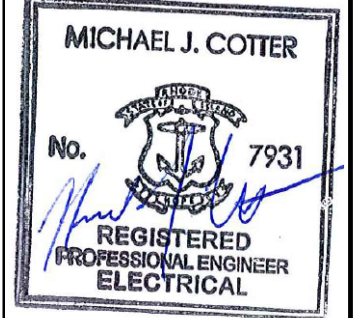
UTILITY POLE SERVICE RISER DETAIL
 NOT TO SCALE



LIGHT POLE FIXTURE BASE AND MOUNTING DETAIL
 NOT TO SCALE

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INTERSTATE NAVIGATION RE-DESIGN OF THE STANDBY PARKING LOT AT THE PORT OF GALILEE

ELECTRICAL DETAILS

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