

ADDENDUM #4

PROJECT: Town of Boothbay Harbor, Footbridge Rehabilitation Project
DATE: December 15, 2022
ISSUED BY: Alyssa G. Pulver, P.E.
Carmen B. Bombeke, P.E.
MaineDOT WIN: 023807.00

This addendum addresses discussion points brought forth during the bid process and at the pre-bid meeting November 21, 2022. This addendum is hereby made a part of the contract documents.

QUESTION 1 – What is the scope of CMP’s work with regard to electrical removal?

RESPONSE 1 – The scope of CMP’s work includes the removal of overhead existing service, and removing, relocating and replacing poles. CMP is replacing and relocating poles 1.2 and 6.3, and removing poles 1.3, 1.4, 6.4 and 6.5. CMP’s scope is depicted on the attached markup of the Existing & Proposed Footbridge Plan, C1.

QUESTION 2 – Will there be electrical service at the west end of the footbridge after CMP electrical removal?

RESPONSE 2 – Yes, temporary power can be provided at the west end of the footbridge.

QUESTION 3 – Will temporary electrical service be available/provided at the east end of the footbridge?

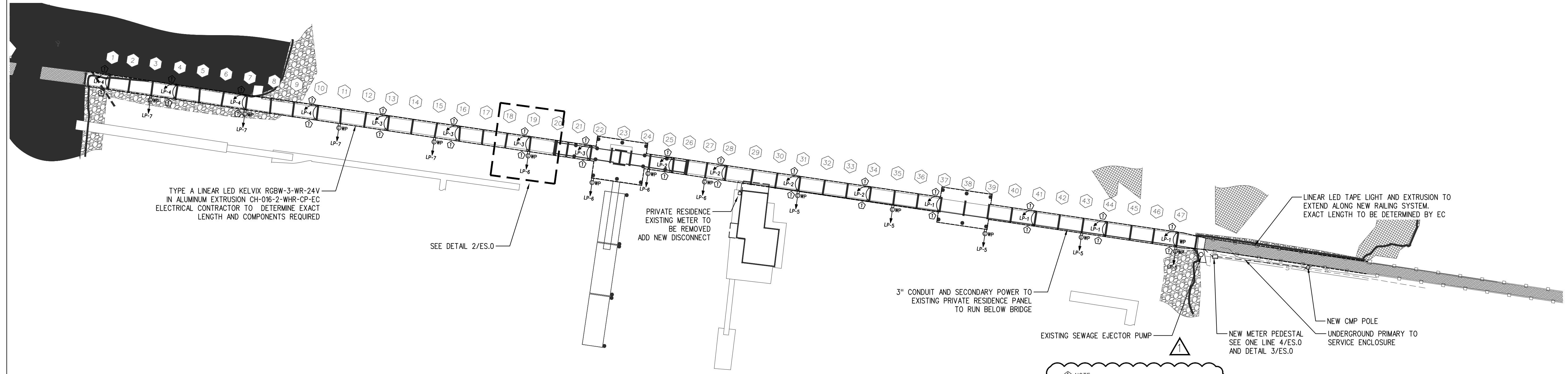
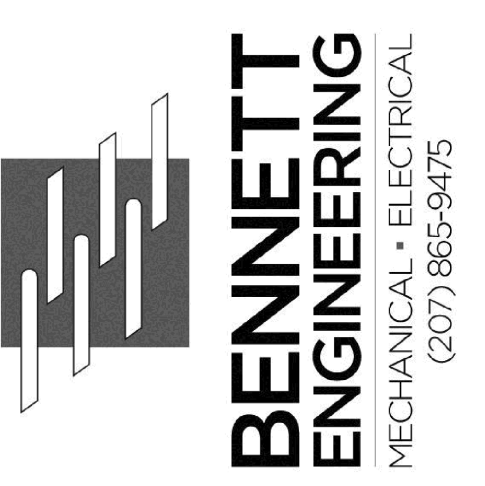
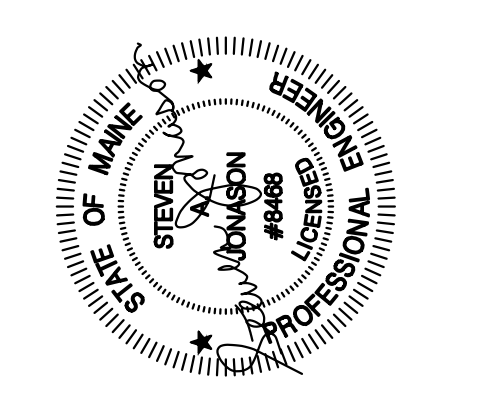
RESPONSE 3 – No.

QUESTION 4 – On Sheet ES.0, what does “(2) 4”C W/3500 MCU PAP” on the Service Enclosure Detail refer to?

RESPONSE 4 – This note should be deleted. Conduits and conductors should be provided as shown on the One-Line Diagram. This note has been corrected on the attached revised Proposed Electrical Site Plan, ES.0.

ATTACHMENTS

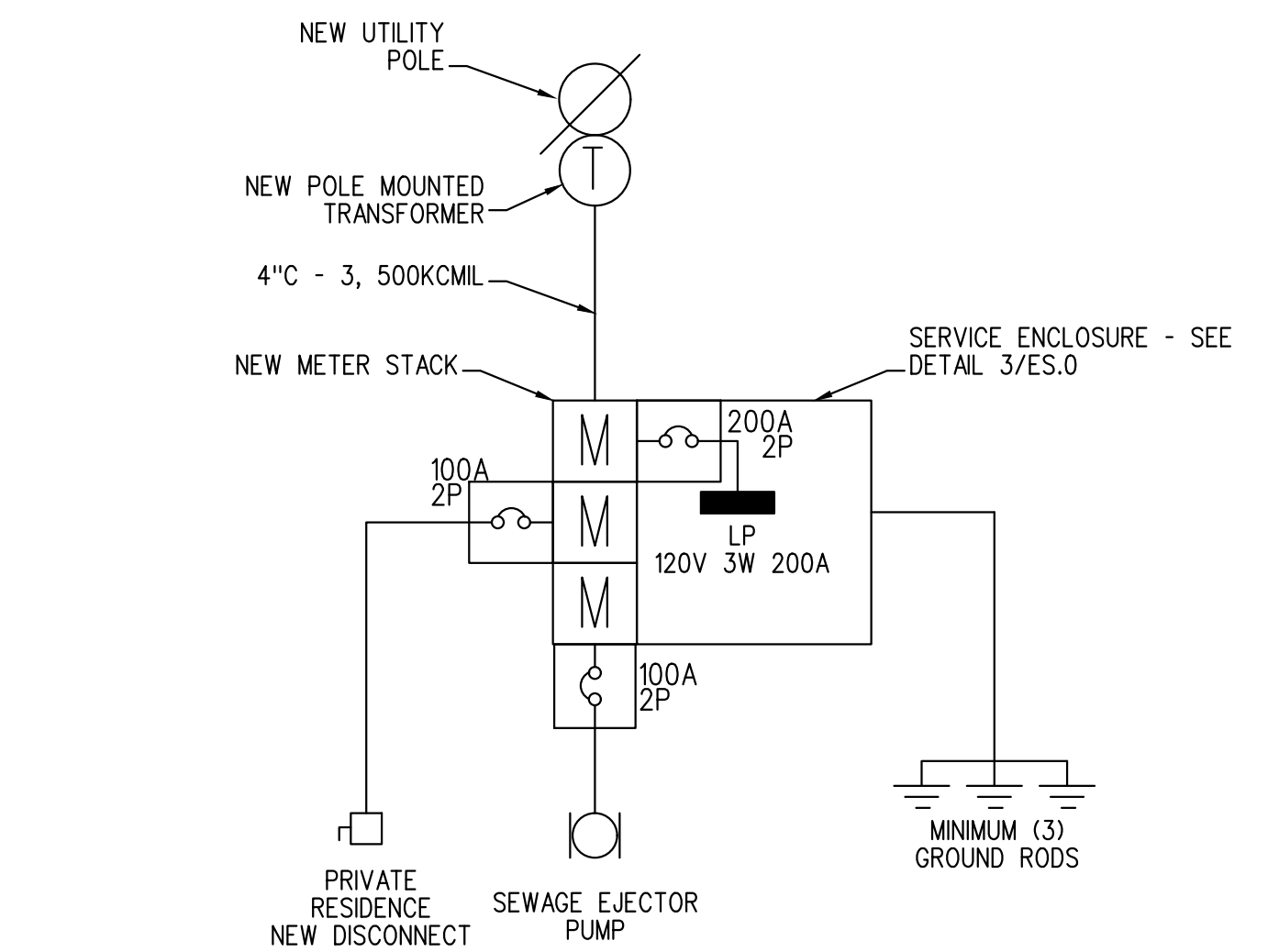
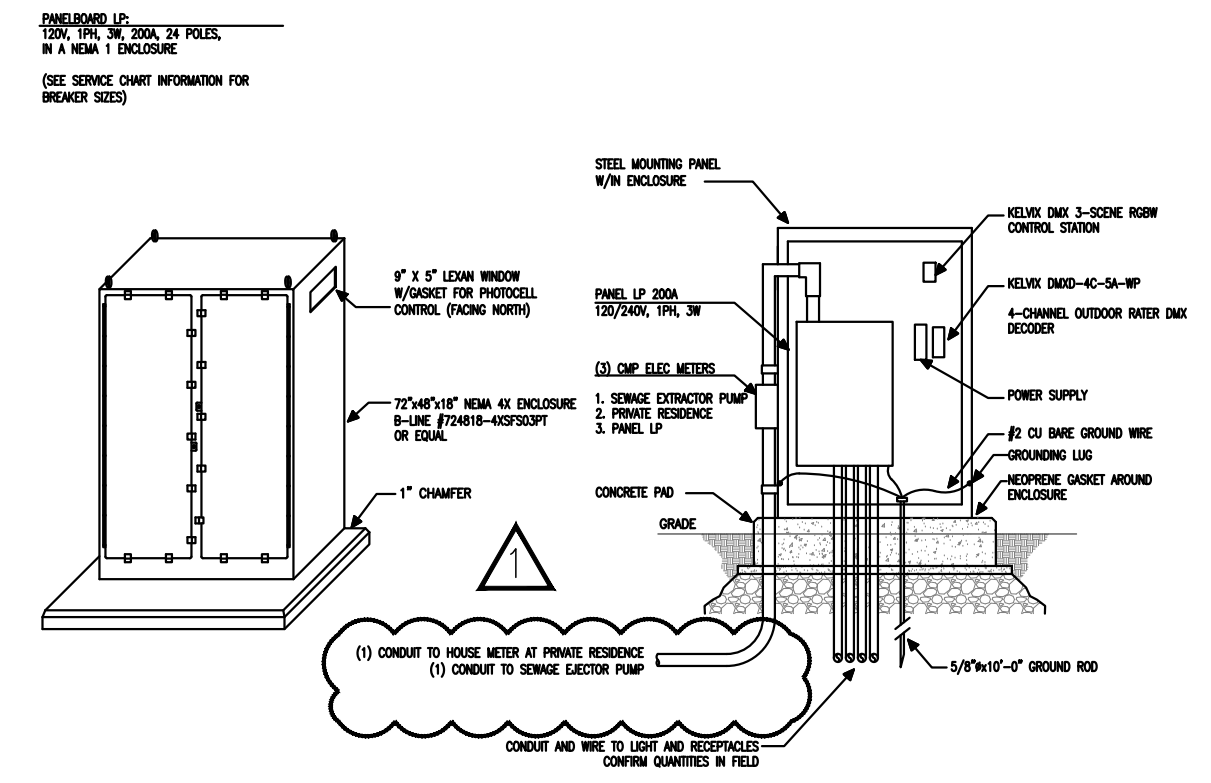
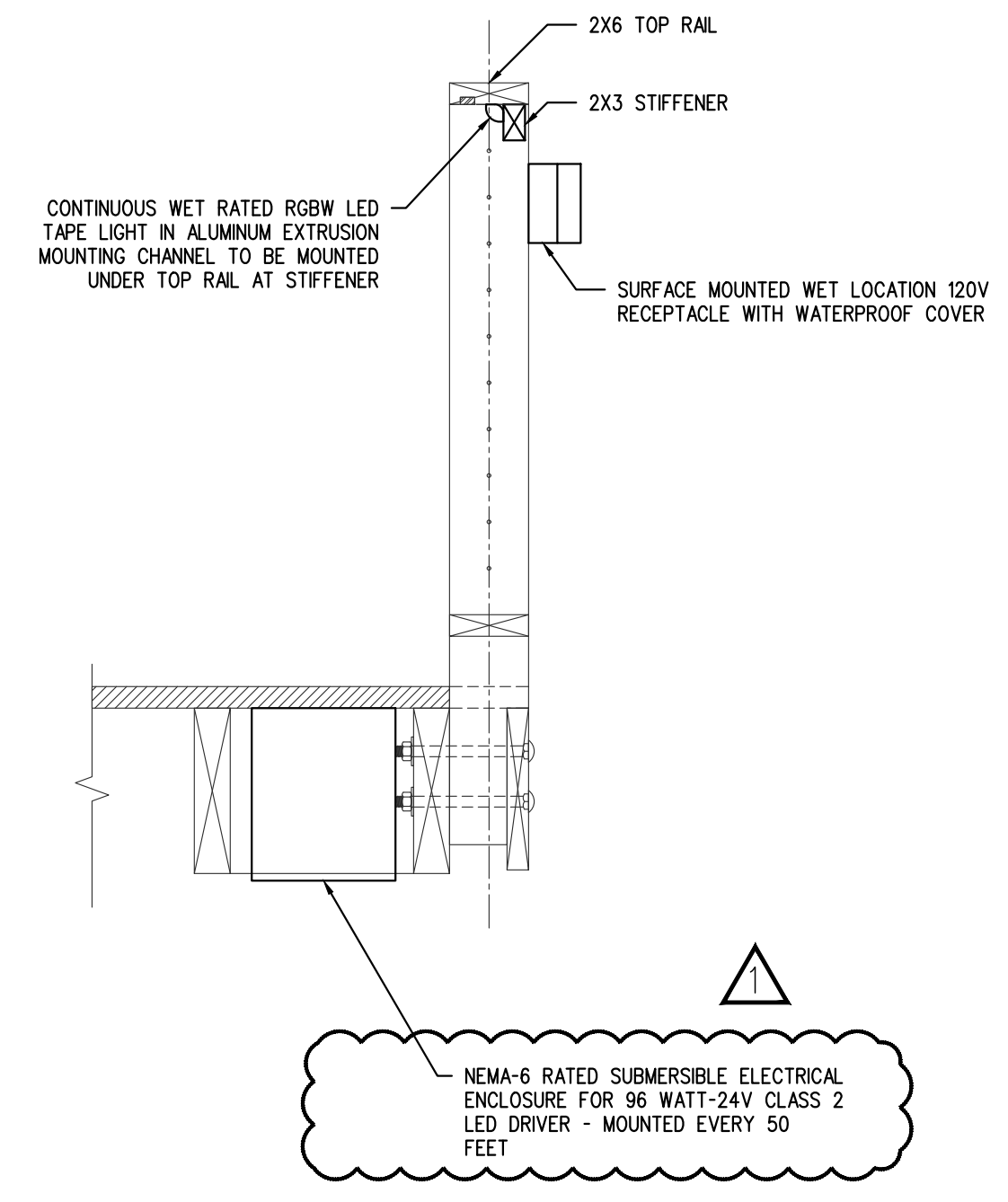
Proposed Electrical Site Plan, ES.0: Revised December 13, 2022.
Existing & Proposed Footbridge Plan – Markup



GENERAL NOTES- SITE ELECTRICAL

1. THE COMPLETE INSTALLATION SHALL CONFORM WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES AND ORDINANCES, INCLUDED BUT NOT LIMITED TO APPROVED EDITIONS OF THE FOLLOWING: NATIONAL ELECTRICAL SAFETY CODE (ANSI C2); NATIONAL ELECTRICAL CODE (NFPA 70); OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND ALL AMENDMENTS THERETO. NOTHING CONTAINED IN THE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUED TO CONFLICT WITH THESE LAWS, CODES, AND ORDINANCES, AND THEY ARE THEREBY INCLUDED IN THESE SPECIFICATIONS. OBTAIN PERMITS AND REQUEST INSPECTIONS FROM ALL AUTHORITIES HAVING JURISDICTION. COMPLY WITH ALL POWER, TELEPHONE, CABLE TELEVISION PROVIDER REGULATIONS AND STANDARDS.
2. THE FOLLOWING ELECTRICAL WORK SHALL BE PERFORMED UNDER THIS CONTRACT: UNDERGROUND CONDUIT, FITTINGS, AND ALL DEVICES; PROVISION OF HAND HOLES, NEW LIGHTING FIXTURES, POLES WITH ALL ACCESSORIES INCLUDING ANCHOR BOLTS AND POLE BASES; PROVISION OF UNDERGROUND CONDUIT AND WIRE TO SERVE NEW LIGHTING EQUIPMENT AND RECEPTACLES; PROVISION OF SERVICE EQUIPMENT, INCLUDING OUTDOOR CABINETS, INGROUND SPLICE BOXES, GROUNDING, METER ENCLOSURES, AND WEATHERPROOF RECEPTACLES.
3. ELECTRICAL UTILITY SHALL PROVIDE ALL ASSOCIATED OVERHEAD AND UNDERGROUND PRIMARY WIRING, PRIMARY TERMINATIONS, TRANSFORMERS, AND CONNECTIONS TO EXISTING OVERHEAD LINES. CONTRACTOR SHALL PROVIDE UNDERGROUND CONDUIT.
4. PROVIDE UNDERGROUND ELECTRICAL WARNING TAPE: 6" WIDE PLASTIC TAPE, COLORED RED WITH SUITABLE LEGEND DESCRIBING BURIED ELECTRICAL LINES FOR ALL UNDERGROUND CONDUITS. LOCATE 6 INCHES BELOW FINISHED GRADE.
5. REFER TO CIVIL DRAWINGS FOR EXCAVATION AND BACKFILL OF ALL UNDERGROUND WORK.
6. EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. CONTRACTORS SHALL CONTACT DIG SAFE BEFORE BEGINNING ANY EXCAVATIONS.
7. FINAL LOCATION OF NEW UTILITIES MAY VARY FROM PLANS PENDING UTILITY COMPANY FIELD COORDINATION.
8. THE LOCAL TELEPHONE AND CABLE TELEVISION SERVICE PROVIDERS SHALL PROVIDE AND INSTALL ALL THE SITE UTILITY SERVICE CABLE TO NEW BACKBOARD IN THE CONDUITS PROVIDED BY THE CONTRACTOR AS PART OF THE SITE WORK.
9. UNDERGROUND CONDUIT SHALL BE SCHED 40 PVC. ABOVE GRADE CONDUIT SHALL BE RGS. ALL CONDUIT SWEEPS SHALL BE RGS LONG SWEEPS.
10. PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND CONDUIT CONNECTED TO FIXED ABOVE GROUND STRUCTURES.
11. PROVIDE A LISTED INTERSYSTEM BONDING TERMINAL AT THE SERVICE ENTRANCE. INSTALL IN ACCORDANCE WITH NFPA 70,250.94

1 PROPOSED FOOTBRIDGE ELECTRICAL PLAN
SCALE: 1" = 30'



2 RAILING SECTION AT LED DRIVER LOCATIONS
SCALE: 1" = 1'-0"

3 SERVICE ENCLOSURE DETAIL
SCALE: 1" = 1'-0"

4 ONE-LINE DIAGRAM
SCALE: 1" = 1'-0"

- POWER SYMBOLS**
- ARC-FAULT RATED, GFCI RATED, TAMPER-PROOF, DUPLEX RECEPTACLE 20A, 125V, SPEC GRADE, GROUNDING TYPE, FLUSH MOUNTED, PROVIDED W/MATCHING FACEPLATE
 - WP = WEATHERPROOF RECEPTACLE W/IN AN IN-USE WEATHER-PROOF COVER
 - DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING. PROVIDED BY EC UNLESS NOTED OTHERWISE. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER.
- WIRING SYMBOLS**
- SECONDARY POWER TO PRIVATE RESIDENCE
 - UNDERGROUND PRIMARY TO SERVICE ENCLOSURE
 - LINEAR LED TAPE LIGHT
 - LP--XX HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER

LIGHTING PANEL LP1 120/240 1PH 3W 200 AMP BUS - MLO 10K AIC NEMA TYPE 1													
CKT #	LOAD DESCRIPTION	AT	P	CA	DF	DA	CKT #	LOAD DESCRIPTION	AF	P	CA	DF	DA
1	LIGHTING VIA 24V DRIVER	20	1	13	1.00	13	2	LIGHTING VIA 24V DRIVER	20	1	13	1.00	13
3	LIGHTING VIA 24V DRIVER	20	1	13	1.00	13	4	LIGHTING VIA 24V DRIVER	20	1	13	1.00	13
5	RECEPTACLE	20	1	8	0.50	4	6	RECEPTACLE	20	1	8	0.50	4
7	RECEPTACLE	20	1	8	0.50	4	8	SPARE	20	1			0
9	SPARE	20	1	14	0.60	11	10	SPARE	20	1			0
11	SPARE	20	1	13	1.00	13	12	SPARE	20	1			0
13	SPARE	20	1			0	14	SPARE	20	1			0
15	SPARE	20	1			0	16	SPARE	20	1			0
17						0	18						0
19						0	20						0
21						0	22						0
23						0	24						0
AT - Amp Trip		P - Poles		CA - Connected Amperes		DF - Demand Factor (1 - 1)		DA - Demand Amperes		MLO - Main Lug Only		MCB - Main Circuit Breaker	
Tot Amps/PH - Connected Load		Demand Factor		Total Amps/PH - Demand		Connected KVA		Demand KVA		Min. Panel Size (Demand x 1.25) - Amps		Panel Size (Demand x 1.56) - Ampers	
51.50		85.63%		44.10		12.36		10.58		55.13		68.80	

LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS	REMARKS
A	KELVIX RGBW-3-WR-24V + CH-016020WHR-CP-EC	24 VOLT 2W/FT 250 LM/FT 50' MAX RUN PER DRIVER	COLOR CHANGING, RGBW OUTDOOR LINEAR LED TAPE LIGHT MOUNTED WITHIN ANGLED ALUMINUM CHANNEL WITH WHITE LENS COVER. ADDITIONAL PARTS AND COMPONENTS REQUIRED TO OPERATE - TO BE DETERMINED BY FIXTURE MANUFACTURER AND ACQUIRED BY ELECTRICAL CONTRACTOR.

BOOTHBAY HARBOR FOOTBRIDGE
BOOTHBAY, MAINE

Date Drawn - 10/21/22
Drawn By - MJM
Project *
Scale - AS NOTED
Revised - 2022.12.13 - ELEC REVIS.

PROPOSED ELECTRICAL SITE PLAN

ES.0

New Location
Pole 1.2

Pole 1.3
Being removed

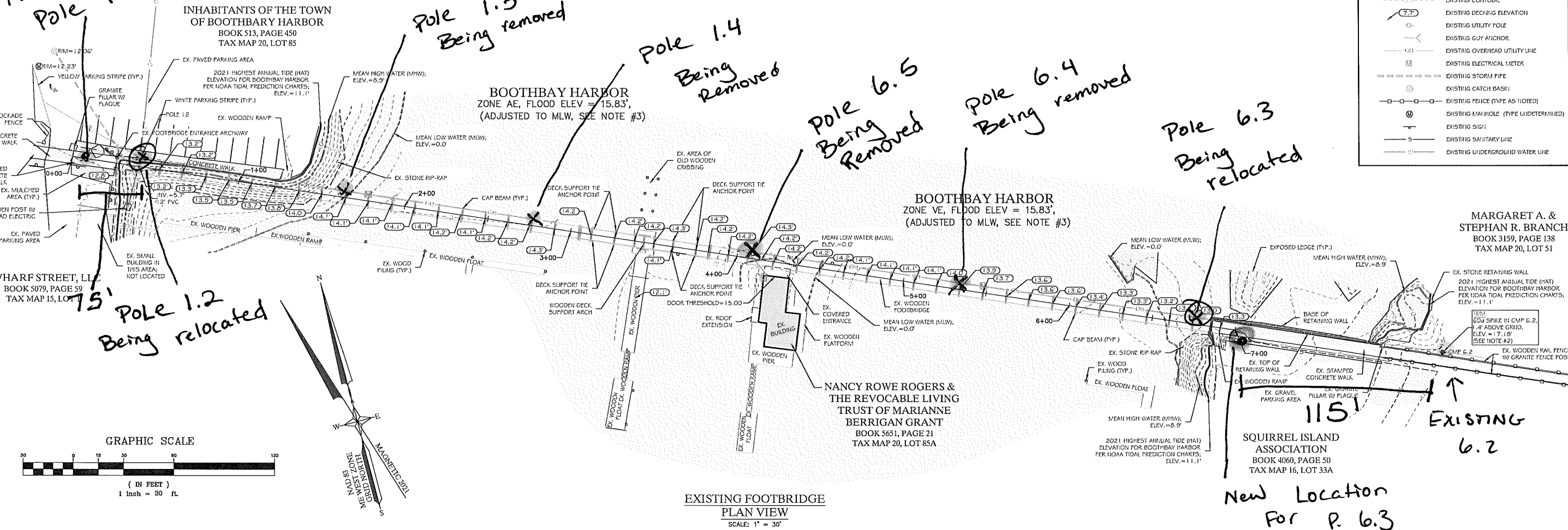
Pole 1.4
Being removed

Pole 6.5
Being removed

Pole 6.4
Being removed

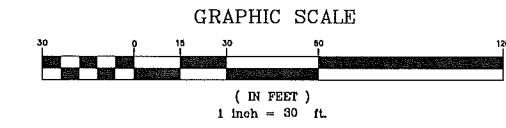
Pole 6.3
Being relocated

New Location
For P. 6.3



LEGEND

	EXISTING CONTOUR
	EXISTING DECKING ELEVATION
	EXISTING UTILITY POLE
	EXISTING GUY ANCHOR
	EXISTING OVERHEAD UTILITY LINE
	EXISTING ELECTRICAL METER
	EXISTING STORM PIPE
	EXISTING CATCH BASIN
	EXISTING FENCE (TYPE AS NOTED)
	EXISTING MANHOLE (TYPE UNDETERMINED)
	EXISTING SIGN
	EXISTING SANITARY LINE
	EXISTING UNDERGROUND WATER LINE



PLAN NOTES:
REMOVAL OF EXISTING BRIDGE AND PUBLIC PIER SHALL INCLUDE REMOVAL AND DISPOSAL OF ALL MATERIALS, INCLUDING THE EXISTING STRUCTURES, ELECTRICAL AND PLUMBING.

PLAN REFERENCES:
EXISTING CONDITIONS SURVEY, TOWN OF BOOTHBAY HARBOR, FOOTBRIDGE PROJECT, BY GARTLEY & DORSKY ENGINEERING & SURVEYING, DATED DECEMBER 1, 2021.

NOTES FROM PLAN REFERENCE #1:
THIS PLAN IS REFERENCED TO THE MAINE COORDINATE SYSTEM OF 1983 (2011), WEST ZONE, BASED ON AN RTK GPS SURVEY.

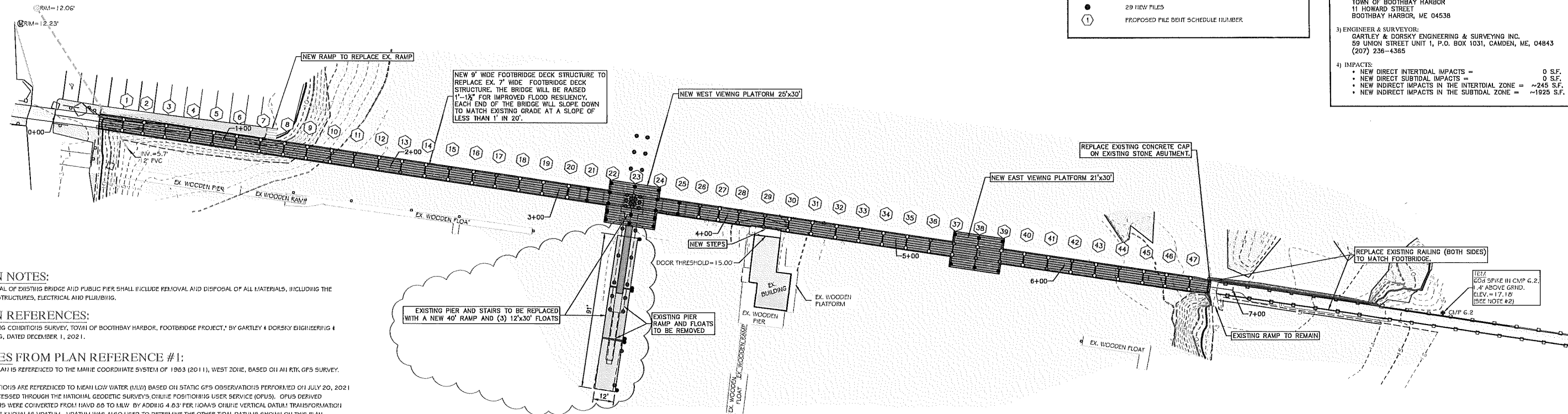
ELEVATIONS ARE REFERENCED TO MEAN LOW WATER (MLW) BASED ON STATIC GPS OBSERVATIONS PERFORMED ON JULY 20, 2021 AND PROCESSED THROUGH THE NATIONAL GEODETIC SURVEY'S ONLINE POSITIONING USER SERVICE (OPUS). OPUS DERIVED ELEVATIONS WERE CONVERTED FROM NAVD 83 TO MLW BY ADDING 4.63' PER NOAA'S ONLINE VERTICAL DATUM TRANSFORMATION SOFTWARE KIOVM AS VDATUM. VDATUM WAS ALSO USED TO DETERMINE THE OTHER TIDAL DATUMS SHOWN ON THIS PLAN.

PILE LEGEND

	67 EXISTING PILES TO REMAIN
	29 EXISTING PILES TO BE REMOVED
	19 EXISTING PILES TO BE REPLACED
	29 NEW PILES
	PROPOSED PILE BENT SCHEDULE NUMBER

GENERAL SITE NOTES:

- LOT INFORMATION:
PHYSICAL ADDRESS:
BY WAY
TAX MAP: 20 LOT: 85
DEED: BK. 513 PG. 450
- OWNER & APPLICANT:
TOWN OF BOOTHBAY HARBOR
11 HOWARD STREET
BOOTHBAY HARBOR, ME 04538
- ENGINEER & SURVEYOR:
GARTLEY & DORSKY ENGINEERING & SURVEYING INC.
59 UNION STREET UNIT 1, P.O. BOX 1031, CAMDEN, ME, 04843
(207) 236-4365
- IMPACTS:
• NEW DIRECT INTERTIDAL IMPACTS = 0 S.F.
• NEW DIRECT SUBTIDAL IMPACTS = 0 S.F.
• NEW INDIRECT IMPACTS IN THE INTERTIDAL ZONE = ~245 S.F.
• NEW INDIRECT IMPACTS IN THE SUBTIDAL ZONE = ~1925 S.F.



CLIENT/PROJECT: TOWN OF BOOTHBAY HARBOR
EXISTING & PROPOSED FOOTBRIDGE PLAN

SCALE: 1" = 30'

DRAWN BY: LP
CHECKED BY: WEG

DATE: OCTOBER 31, 2022

STATE: MAINE
COUNTY: LINCOLN

Gartley & Dorsky ENGINEERING & SURVEYING
59 Union Street Unit 1, P.O. Box 1031, Camden, ME 04843-1031
PH (207) 236-4365 Fax (207) 236-3055 Toll Free 1-888-383-1565
165 Main Street Suite 2D P.O. Box 1072 Damariscotta, Maine 04545
PH (207) 790-5005

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