

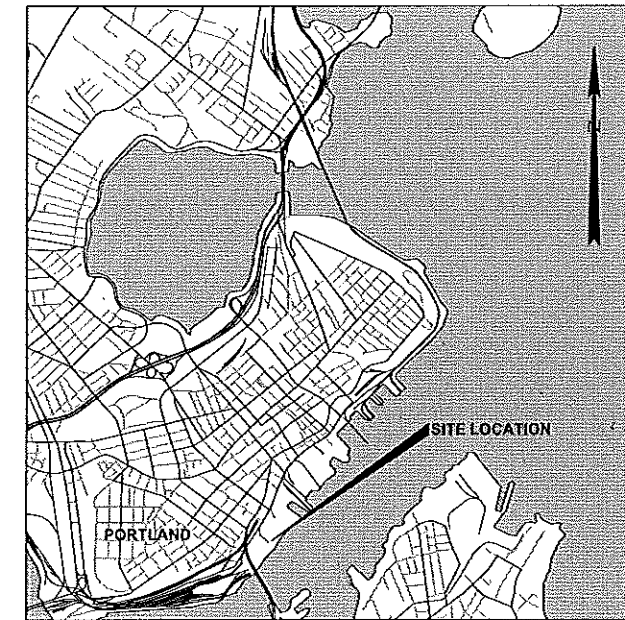
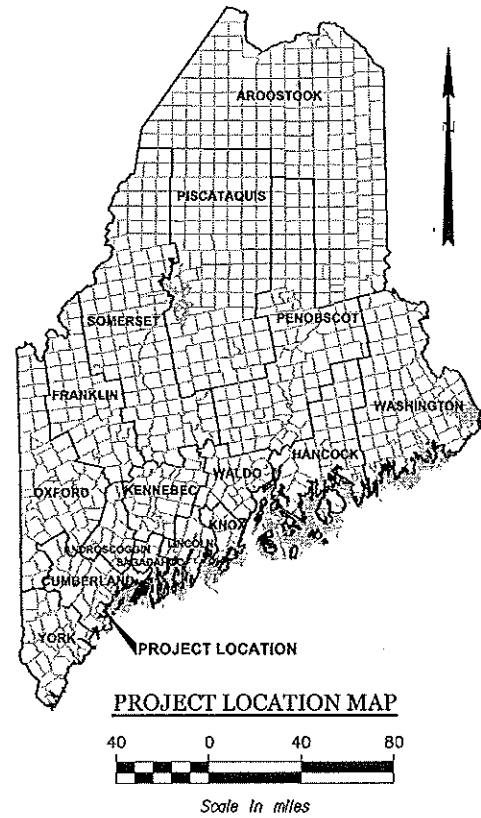
STATE OF MAINE DEPARTMENT OF TRANSPORTATION



CITY OF PORTLAND CUMBERLAND COUNTY

PORTLAND INTERNATIONAL MARINE TERMINAL FACILITY IMPROVEMENTS

PHASE 2
WIN: 018413.10



SOURCE:

SHEET INDEX

SHEET	TITLE
1	TITLE/INDEX SHEET
2	GENERAL NOTES AND SITE LAYOUT
3	PROPOSED SITE ELECTRICAL
4	ELECTRICAL SINGLE LINE DIAGRAM
5	ELECTRICAL DETAILS 1
6	ELECTRICAL DETAILS 2
7	UTILITY BUILDING DETAILS

STATE OF MAINE	DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
		COMMISSIONER:	
		CHIEF ENGINEER:	

PROJECT INFORMATION	SIGNATURE	P.E. NUMBER	DATE
PROGRAM	DESIGNER	CONSULTANT	PROJECT RESIDENT CONTRACTOR
MULTIMODAL	JOEL KITTYREDE	DRAC R. WORTH, P.E.	
		HWB CORP.	
			PROJECT COMPLETION DATE

WIN 018413.10

PORTLAND INTERNATIONAL
MARINE TERMINAL IMPROVEMENTS
PORTLAND
CUMBERLAND COUNTY

TITLE/INDEX SHEET

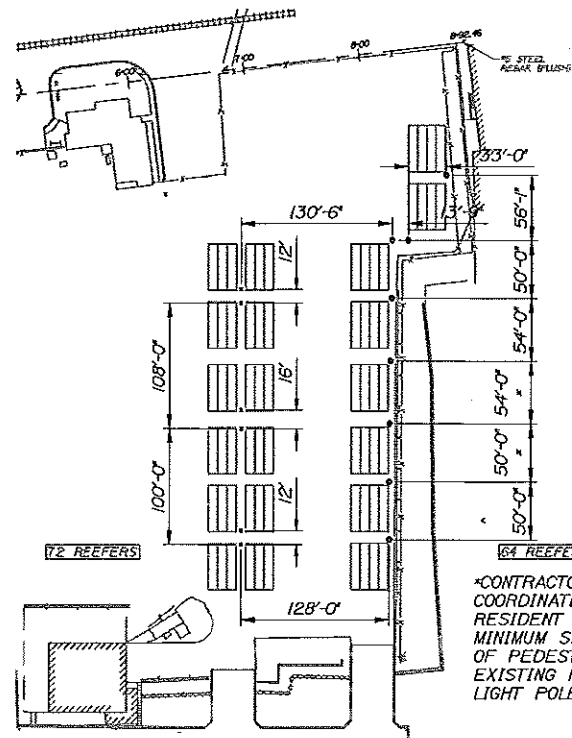
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1

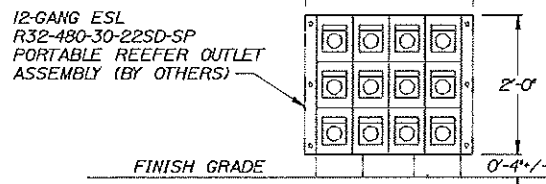
1 OF 7

- NOTES:**
- REEFER OUTLET ASSEMBLIES SHOWN HEREIN WILL BE PRE-PURCHASED BY THE MAINE DOT AND SHALL BE SHIPPED DIRECTLY TO THE PROJECT SITE. THE CONTRACTOR SHALL OFFLOAD AND STORE THE ASSEMBLIES ON-SITE UPON ARRIVAL OF THE SHIPMENT. THE RESIDENT WILL DESIGNATE THE STORAGE LOCATION. CONTRACTOR SHALL FULLY INSTALL THE PEDESTAL-MOUNTED REEFER OUTLET ASSEMBLIES ONCE THE CONCRETE PEDESTALS ARE COMPLETE AND WIRING IS CHASED.
 - CORING AND CONNECTION OF UNDERDRAIN PIPE SHALL INCIDENTAL TO PAY ITEM 605.07, 4" UNDERDRAIN PIPE..
 - FOR TRENCH SECTIONS, SEE SHEETS 5 AND 6.
 - AFTER INSTALLATION OF THE 8-GANG PEDESTAL MOUNTED REEFER OUTLET ASSEMBLIES, ALL CONDUIT OPENINGS MUST BE COMPLETELY SEALED WITH EXPANDING FOAM.

CONCRETE PEDESTAL LOCATION TABLE			JBOX LOCATION TABLE		
NO.	STATION	OFFSET	NO.	STATION	OFFSET
1	7+78.33	418.14'	1	6+50.73	407.19'
2	7+84.27	368.50'	2	6+52.14	395.27'
3	7+90.22	318.82'	3	6+62.43	307.88'
4	7+97.16	265.29'	4	6+64.16	291.96'
5	8+04.43	211.76'	5	6+74.77	200.57'
6	8+10.71	162.18'	6	6+76.17	188.67'
7	8+24.33	163.78'			
8	8+63.66	112.02'			



OPERATIONS PLAN
SCALE: 1"=80'

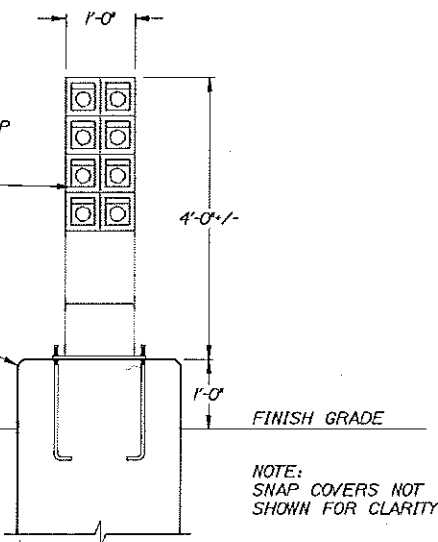


NOTE:
SNAP COVERS NOT SHOWN FOR CLARITY

12-GANG PORTABLE REEFER OUTLET ASSEMBLY
NOT TO SCALE

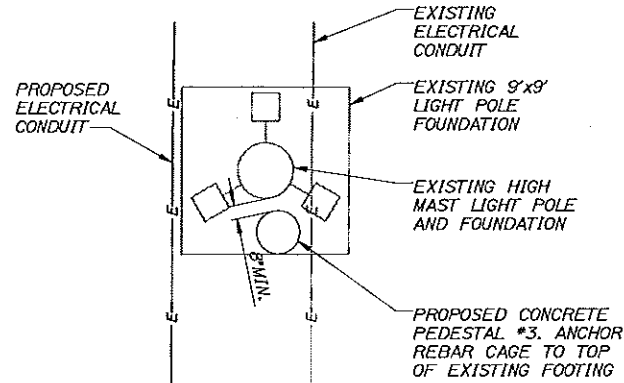
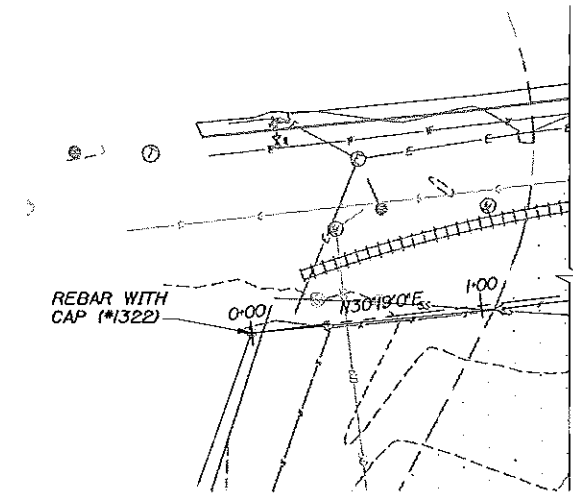
8-GANG ESL R32-480-30-22SD-SP PEDESTAL-MOUNTED REEFER OUTLET ASSEMBLY (BY OTHERS) (PEDESTALS 1-6 ONLY)

CONCRETE PEDESTAL (SEE SHEET 6)

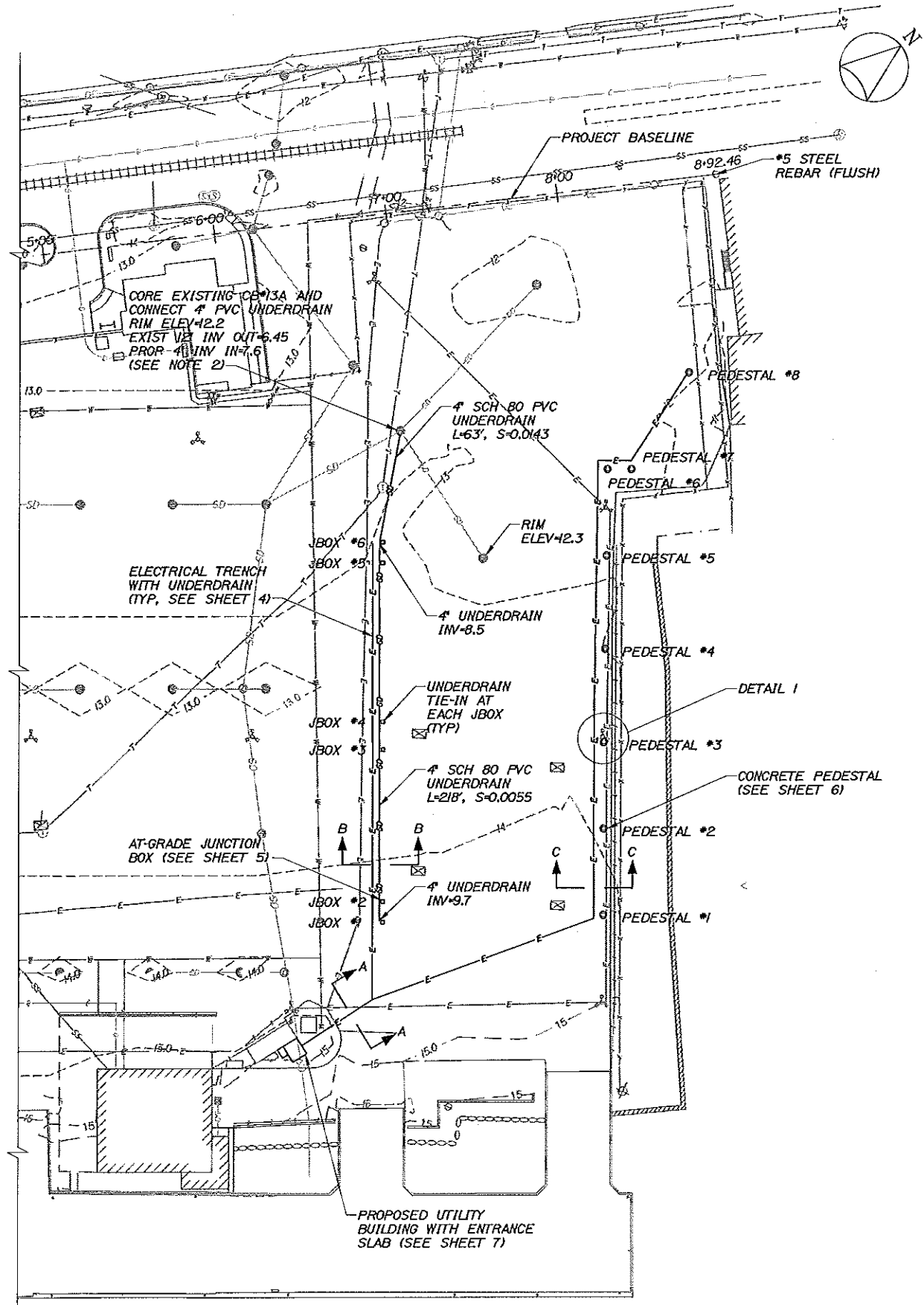


NOTE:
SNAP COVERS NOT SHOWN FOR CLARITY

8-GANG PEDESTAL-MOUNTED REEFER OUTLET ASSEMBLY
NOT TO SCALE



DETAIL 1
NOT TO SCALE

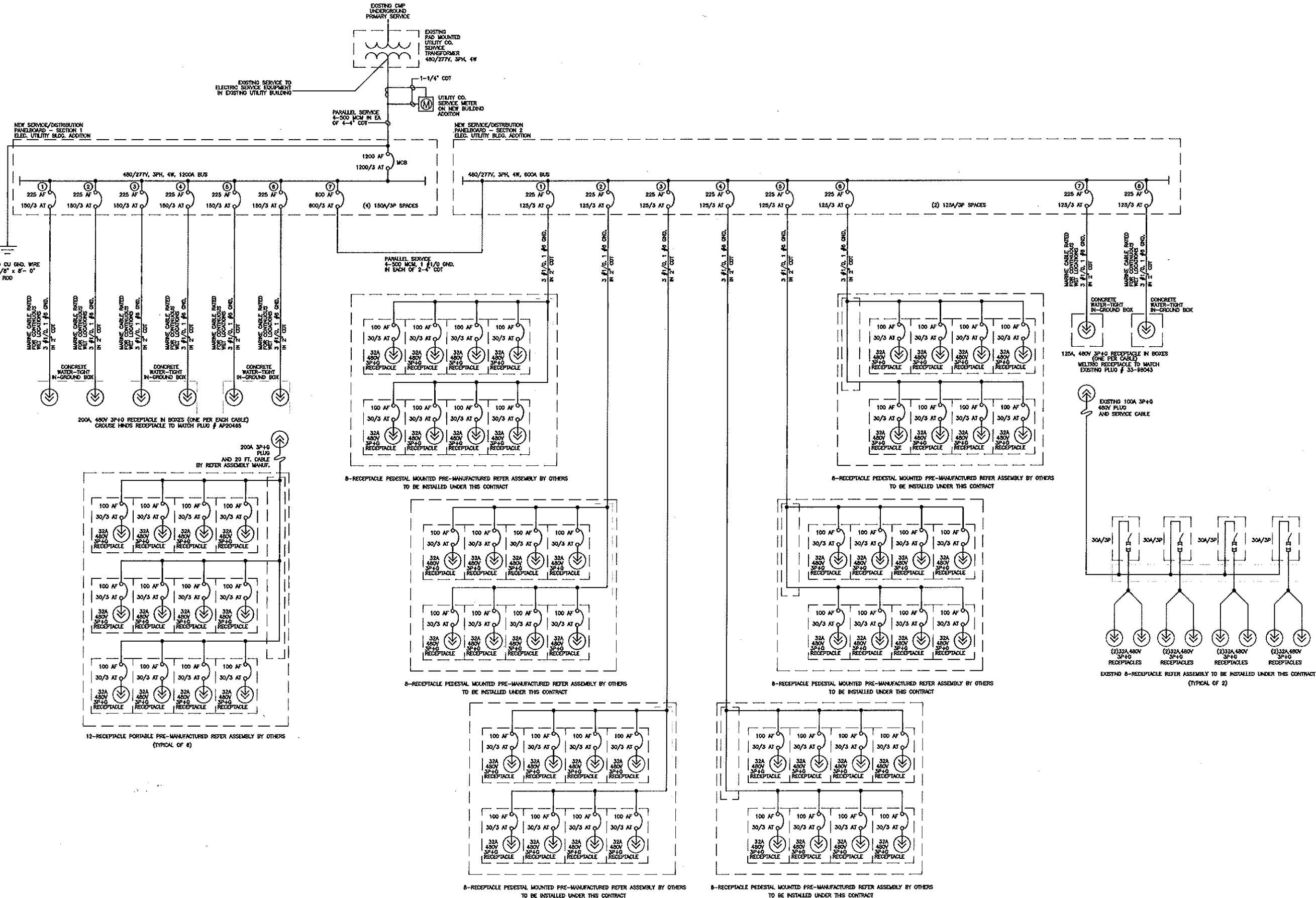


ELECTRICAL TRENCH LAYOUT
SCALE: 1"=40'

DATE	BY	DESIGNED	CHECKED	DESIGNED	REVISIONS	DATE
3/1/13	HVE	RAM			1	
3/1/13					2	
					3	
					4	
					5	
					6	

NAME: M:\John\00213 - INT Elmehd Phase 2\WORKING-PH2.dwg DATE: Mar 01, 2013 - 1:58pm

NAME: W:\Jobs\60213 - IMT Elmshp Phase 2\LOAD\FROM BARTLETT\233 Sheet 4 02-20-13.dwg DATE: Mar 01, 2013 11:21:09am



HNTB

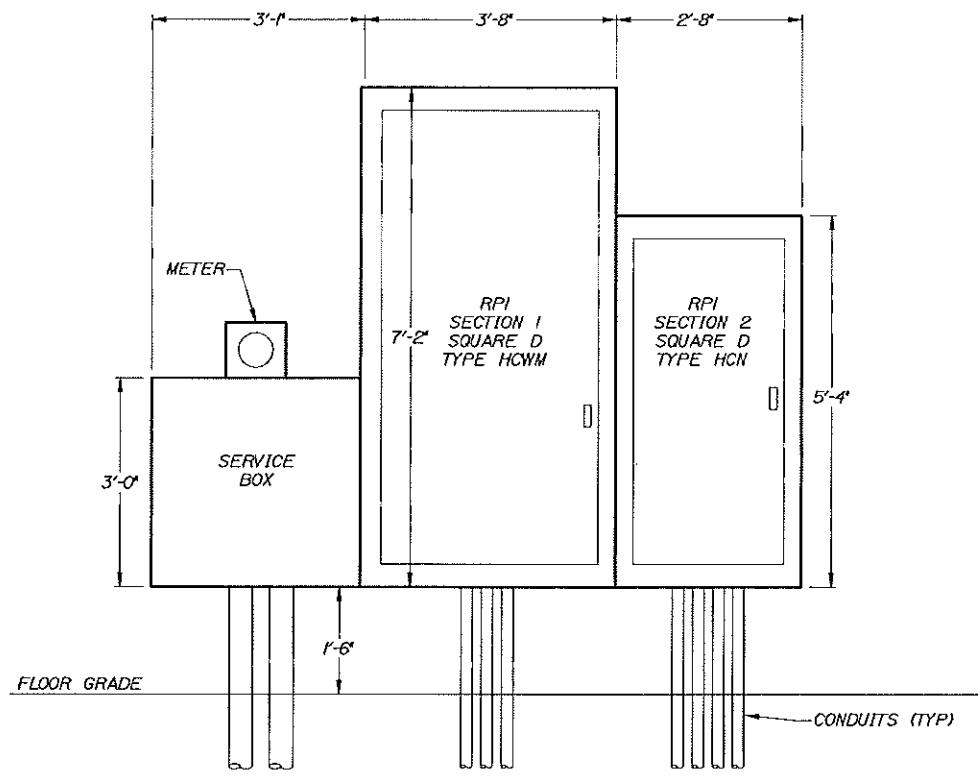
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NUMBER 018413.10
WIN
018413.10

PROJ. MANAGER CHRIS R. MORIN
DESIGN-DETAILED LEB
CHECKED-REVIEWED LEB
DESIGN-DETAILED LEB
DESIGN-DETAILED LEB
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

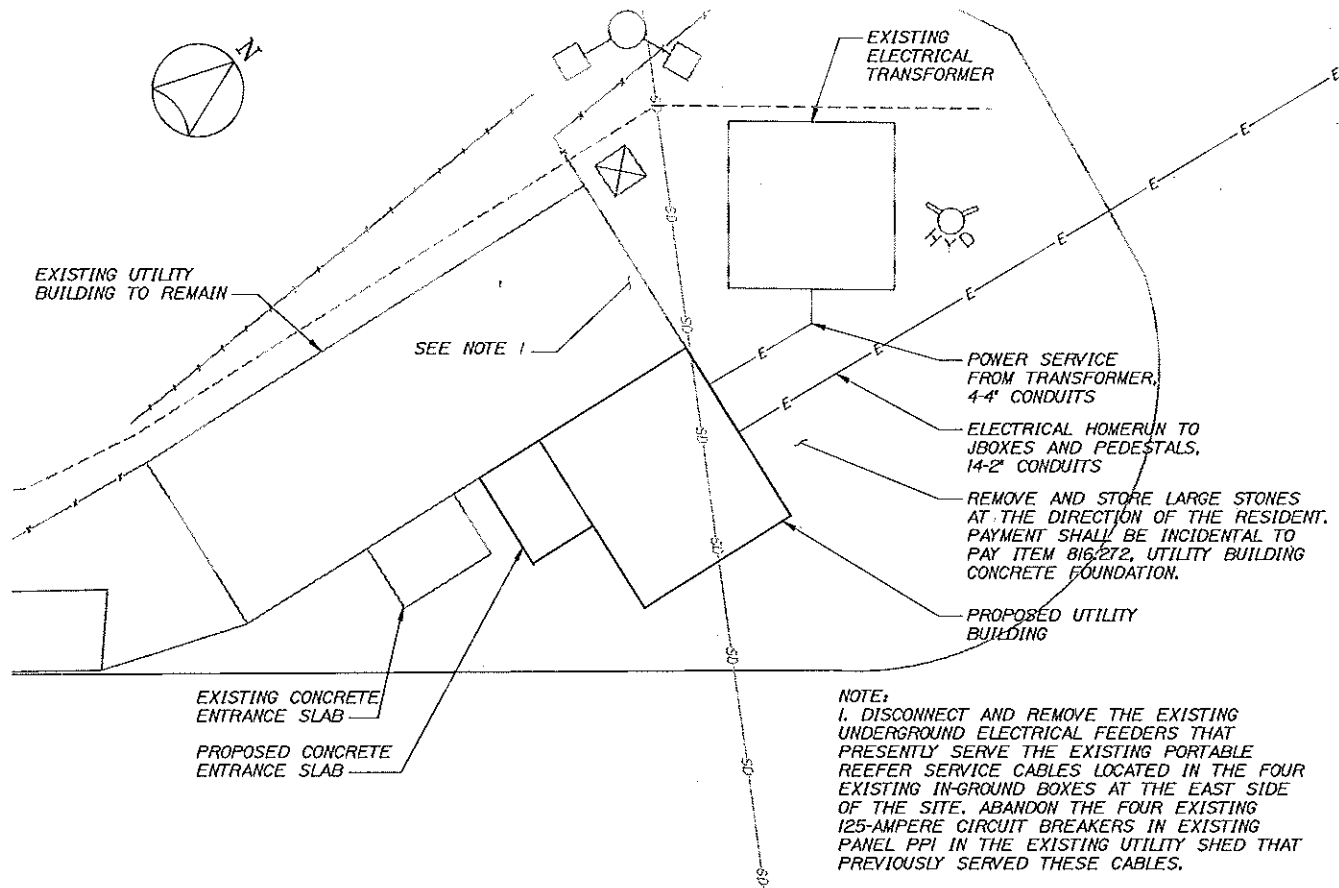
DATE 2/25/13
BY
SIGNATURE LAWRENCE E. BARTLETT
P.E. NUMBER 7928
DATE 02/25/13

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MARINE TERMINAL IMPROVEMENTS
PORTLAND CUMBERLAND COUNTY
ELECTRICAL SINGLE LINE
DIAGRAM

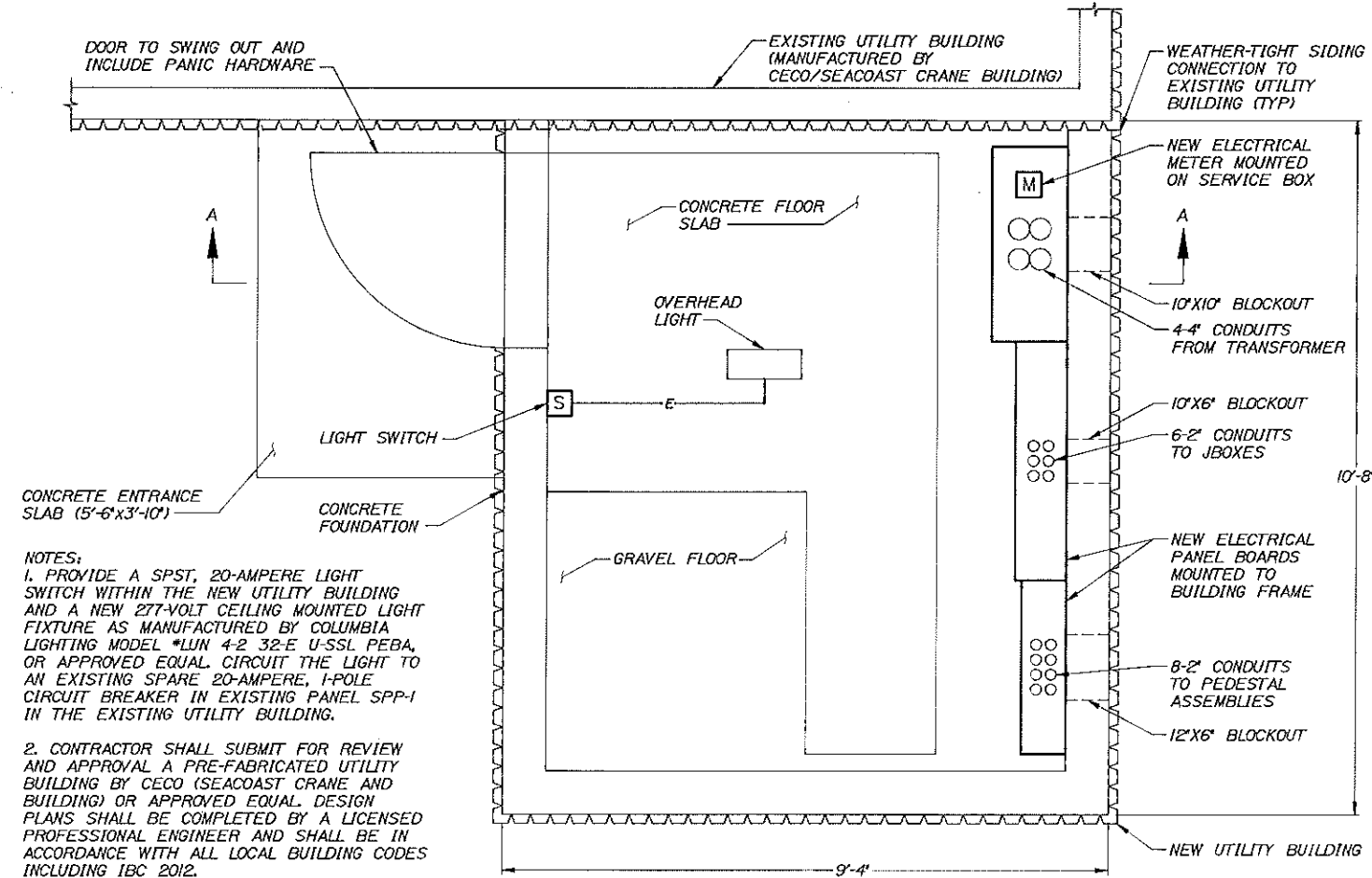
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4
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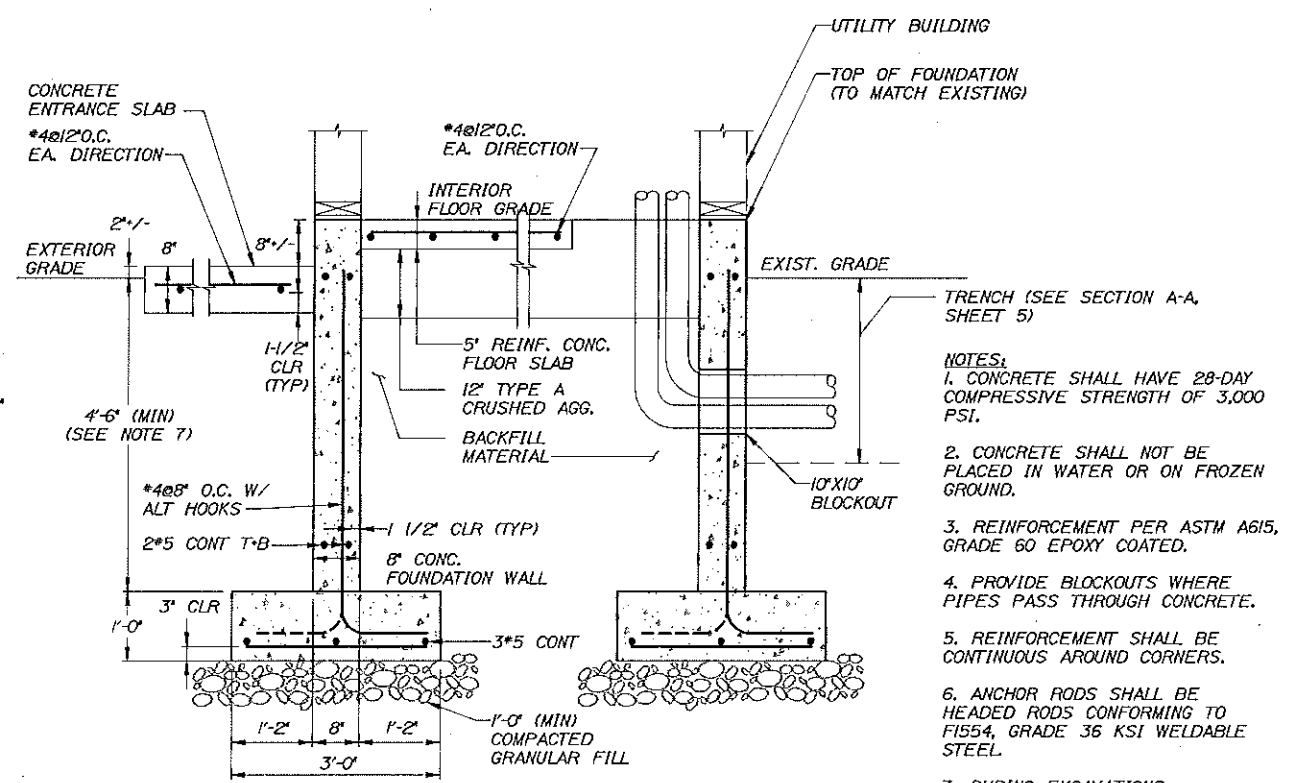
ELECTRICAL PANEL DETAILS
NOT TO SCALE



UTILITY BUILDING SITE PLAN
SCALE: 1"=5'



NEW UTILITY BUILDING DETAILS
SCALE: 3/4"=1'-0"



UTILITY BUILDING FOUNDATION SECTION A-A
SCALE: 3/4"=1'-0"

- NOTES:
1. PROVIDE A SPST, 20-AMPERE LIGHT SWITCH WITHIN THE NEW UTILITY BUILDING AND A NEW 277-VOLT CEILING MOUNTED LIGHT FIXTURE AS MANUFACTURED BY COLUMBIA LIGHTING MODEL *LUN 4-2 32-E U-SSL PEBA, OR APPROVED EQUAL. CIRCUIT THE LIGHT TO AN EXISTING SPARE 20-AMPERE, 1-POLE CIRCUIT BREAKER IN EXISTING PANEL SPP-1 IN THE EXISTING UTILITY BUILDING.
 2. CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A PRE-FABRICATED UTILITY BUILDING BY CECO (SEACOAST CRANE AND BUILDING) OR APPROVED EQUAL. DESIGN PLANS SHALL BE COMPLETED BY A LICENSED PROFESSIONAL ENGINEER AND SHALL BE IN ACCORDANCE WITH ALL LOCAL BUILDING CODES INCLUDING IBC 2012.
 3. CONTRACTOR'S DESIGN OF PRE-FABRICATED UTILITY BUILDING SHALL INCLUDE WEATHER-TIGHT SIDING CONNECTION AND SLOPED ROOF TO MATCH EXISTING.

NAME: M:\User\09213 - INT - Elmisp Phase 2\CAD\Phase 2\WORKING-PH2.dwg DATE: Mar 01, 2013 - 2:10pm

DATE	BY	DESCRIPTION
3/7/13	HME	DESIGN-DRAWN
3/7/13	RAL	CHECKED-REVIEWED
		DESIGN-DETAILED
		DESIGN-CHECKED
		DESIGN-APPROVED
		REVISIONS 1
		REVISIONS 2
		REVISIONS 3
		REVISIONS 4
		FIELD CHANGES

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UTILITY BUILDING DETAILS