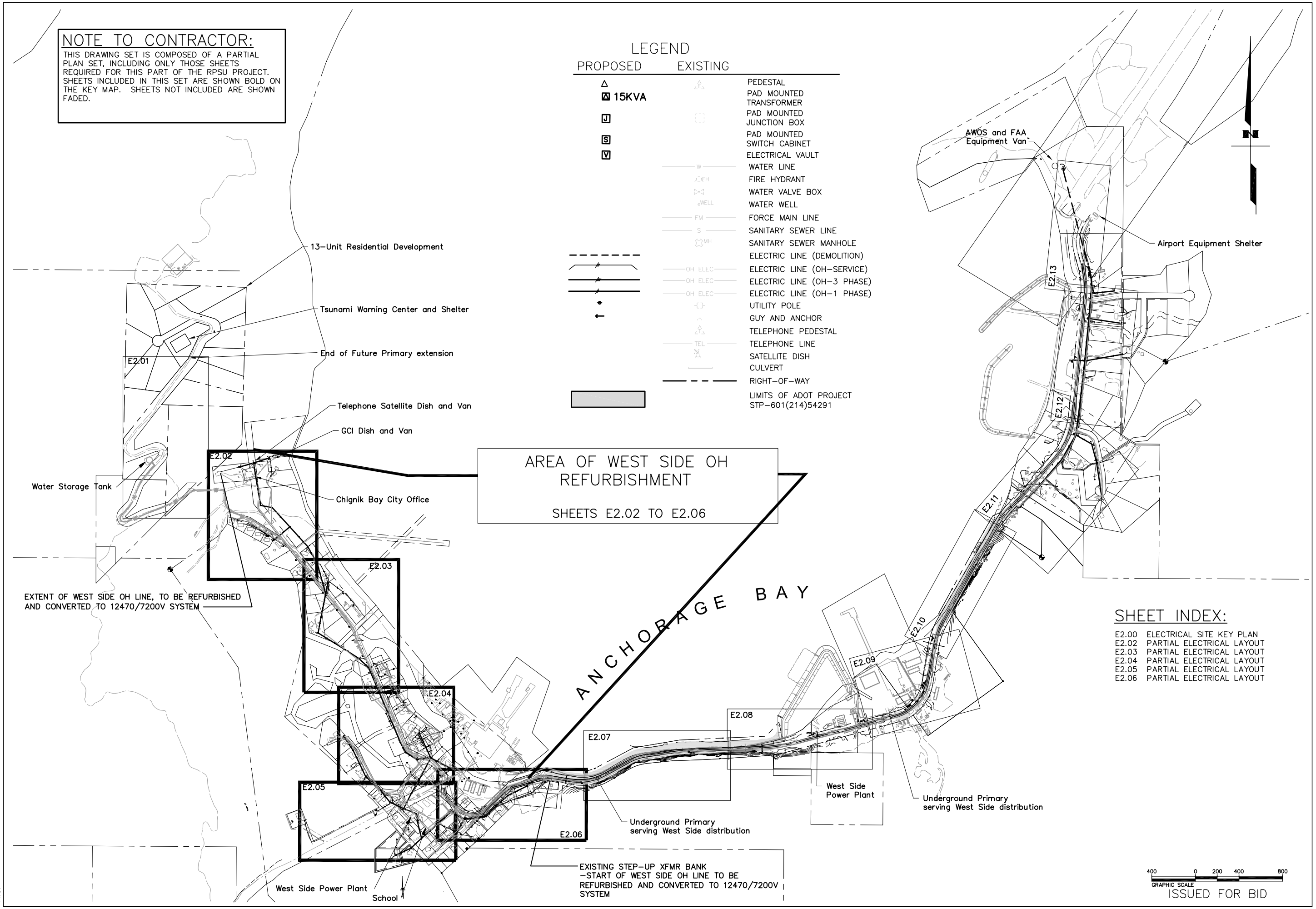
NOTE TO CONTRACTOR:

THIS DRAWING SET IS COMPOSED OF A PARTIAL PLAN SET, INCLUDING ONLY THOSE SHEETS REQUIRED FOR THIS PART OF THE RPSU PROJECT. SHEETS INCLUDED IN THIS SET ARE SHOWN BOLD ON THE KEY MAP. SHEETS NOT INCLUDED ARE SHOWN FADED.

LEGEND

PROPOSED	EXISTING	
△		PEDESTAL
△ 15KVA		PAD MOUNTED TRANSFORMER
J		PAD MOUNTED JUNCTION BOX
S		PAD MOUNTED SWITCH CABINET
V		ELECTRICAL VAULT
	W	WATER LINE
	FH	FIRE HYDRANT
		WATER VALVE BOX
	WELL	WATER WELL
	FM	FORCE MAIN LINE
	S	SANITARY SEWER LINE
	MH	SANITARY SEWER MANHOLE
		ELECTRIC LINE (DEMOLITION)
	OH ELEC	ELECTRIC LINE (OH–SERVICE)
	OH ELEC	ELECTRIC LINE (OH–3 PHASE)
	OH ELEC	ELECTRIC LINE (OH–1 PHASE)
		UTILITY POLE
		GUY AND ANCHOR
		TELEPHONE PEDESTAL
	TEL	TELEPHONE LINE
		SATELLITE DISH
		CULVERT
		RIGHT–OF–WAY
		LIMITS OF ADOT PROJECT STP–601(214)54291



SHEET INDEX:

E2.00 ELECTRICAL SITE KEY PLAN
E2.02 PARTIAL ELECTRICAL LAYOUT
E2.03 PARTIAL ELECTRICAL LAYOUT
E2.04 PARTIAL ELECTRICAL LAYOUT
E2.05 PARTIAL ELECTRICAL LAYOUT
E2.06 PARTIAL ELECTRICAL LAYOUT

ISSUED FOR BID

STATE OF ALASKA 49TH
Gregory M. Errico No. EE-10279
REGISTERED PROFESSIONAL ENGINEER

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CHIGNIK BAY, ALASKA
WEST SIDE OH REFURBISHMENT
RPSU
ELECTRICAL SITE KEY PLAN

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REV	DESCRIPTION	BY	DATE

Project No. 30401.21
Date 09–30–09
Designed GME
Drawn GME
Approved

Sheet No. E2.00

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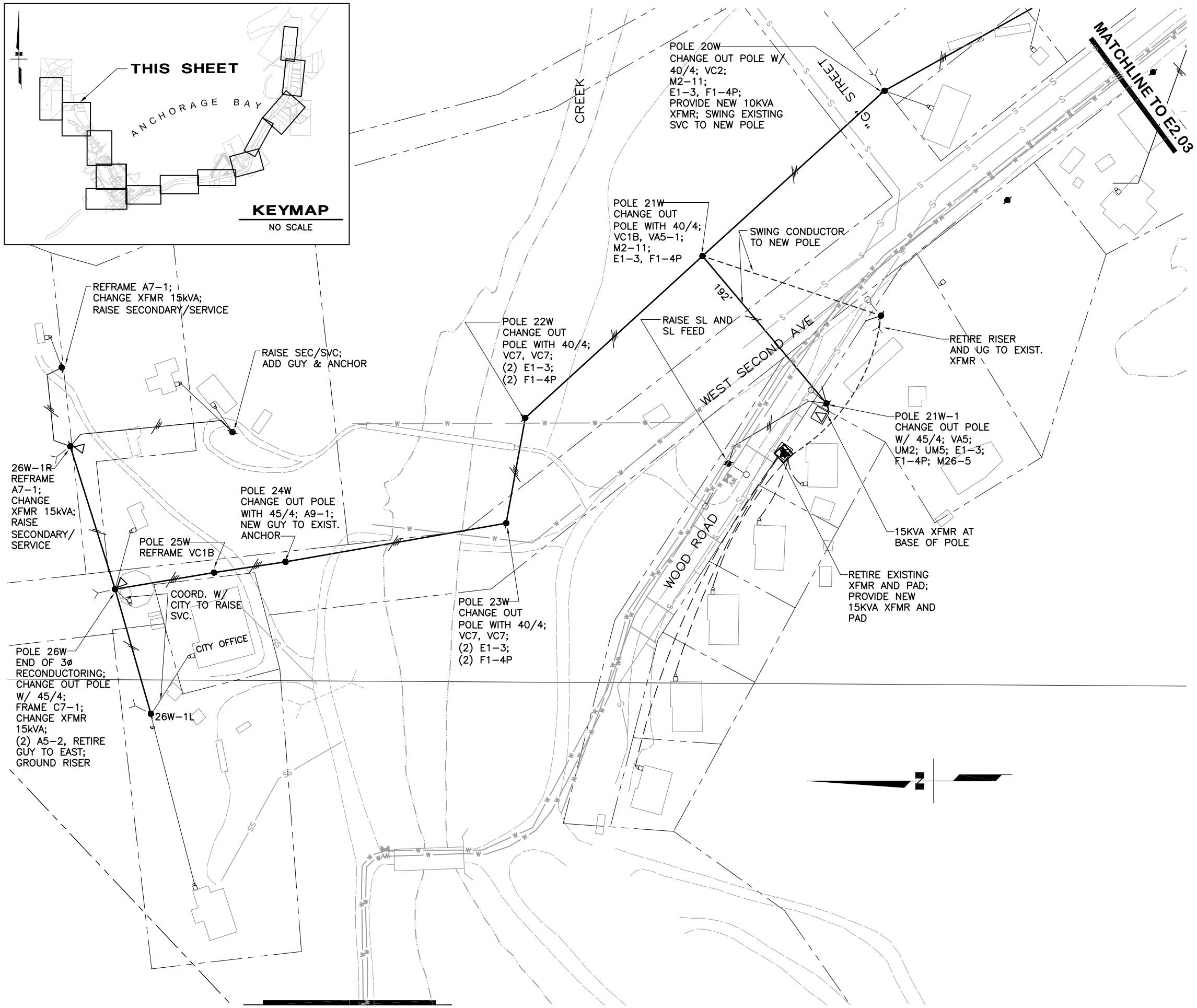

GENERAL NOTES:

1. WEST SIDE OVERHEAD REFURBISHMENT/CONVERSION BEGINS AT POLE 29 (SEE E2.06). THE EXISTING UNDERGROUND SYSTEM FROM THE NEW POWER PLANT EXTENDS TO JB5W AND RISERS UP AT POLE 29 TO AN EXISTING STEP-UP TRANSFORMER BANK. THIS TRANSFORMER BANK MAY BE RELOCATED AS NECESSARY AT CONTRACTOR'S OPTION FOR PHASING OF CONVERSION CONSTRUCTION.
2. THE ENTIRE WEST SIDE OVERHEAD LINE SYSTEM IS TO BE REFURBISHED/CONVERTED UNDER THIS PROJECT (SEE E2.00).
3. THE EXISTING WEST SIDE OVERHEAD LINE IS 4160/2400V WYE. THE REFURBISHED SYSTEM SHALL BE 12,470/7,200V WYE.
4. THE BACKBONE FROM EXISTING POLE 11W TO EXISTING POLE 26W SHALL BE RECONDUCTORED 3-PHASE. THE EXISTING POLES SHALL BE CHANGED OUT AS NOTED.
5. FIELD VERIFY EXTENT OF PROJECT SCOPE. WHERE CONTRACTOR PROPOSES ADDITIONAL WORK ITEMS NOT INDICATED ON DRAWINGS TO MEET REQUIREMENT FOR COMPLETED LINE REFURBISHMENT, CONTRACTOR SHALL INCLUDE THESE ITEMS IN BID; AND SHALL COORDINATE THESE ADDITIONS WITH ENGINEER UPON NOTICE TO PROCEED. ENGINEER WILL PROVIDE NEW "ISSUED FOR CONSTRUCTION" DRAWING SET TO INCLUDE AGREED UPON CHANGES.

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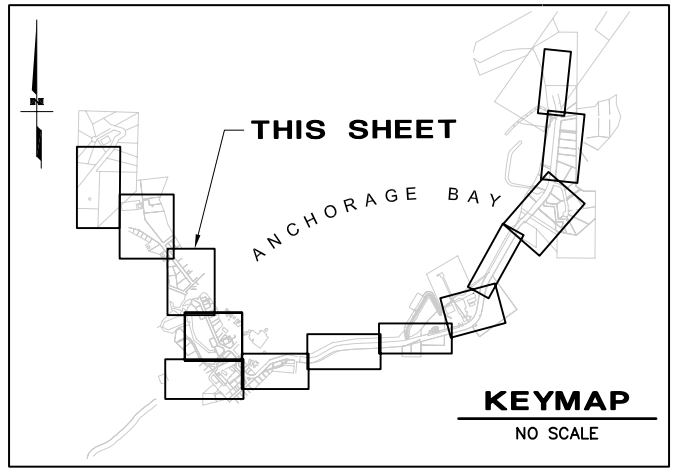

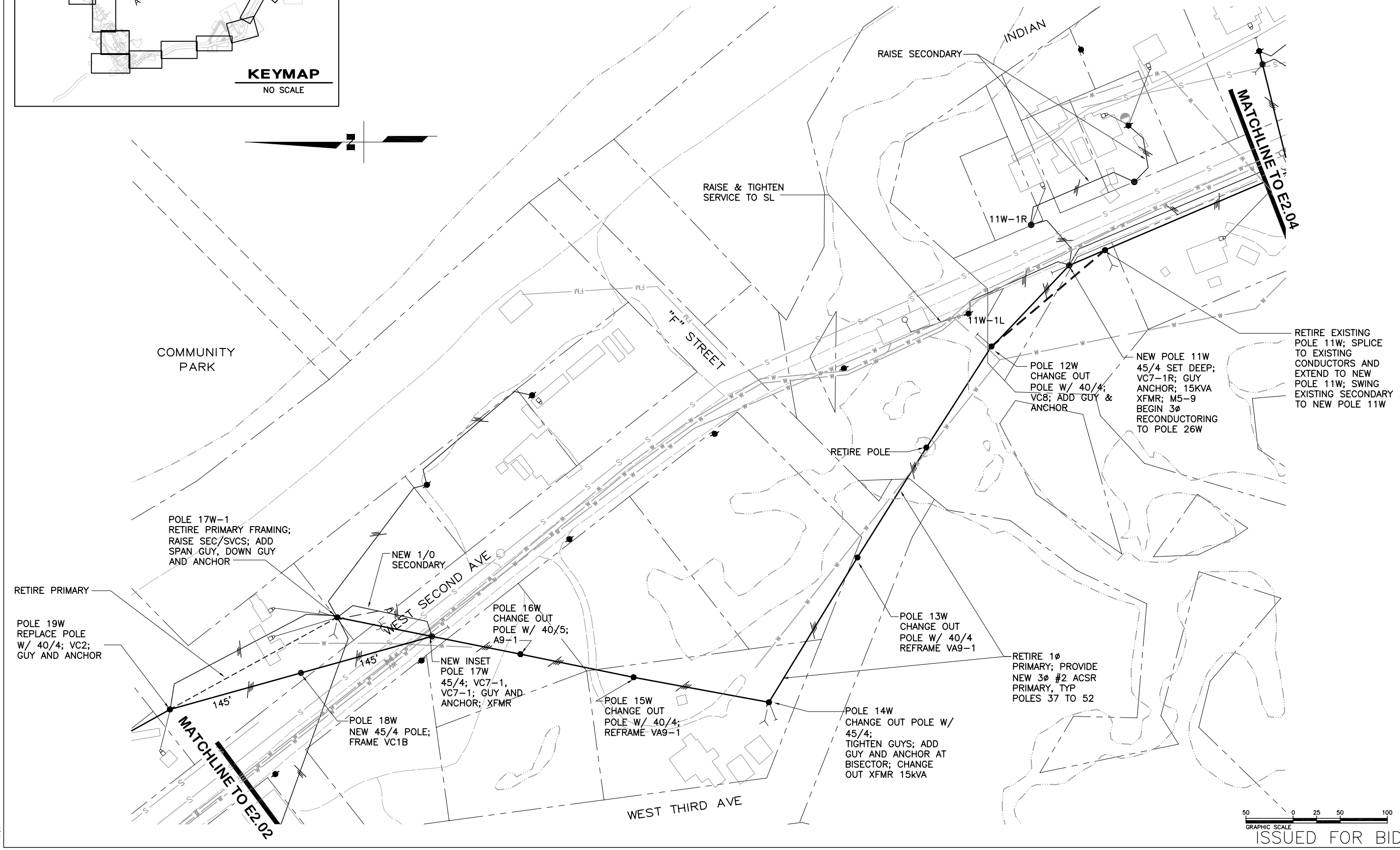

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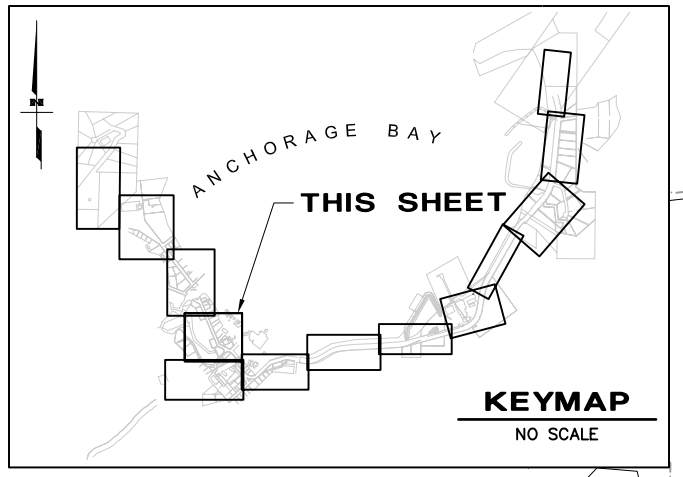

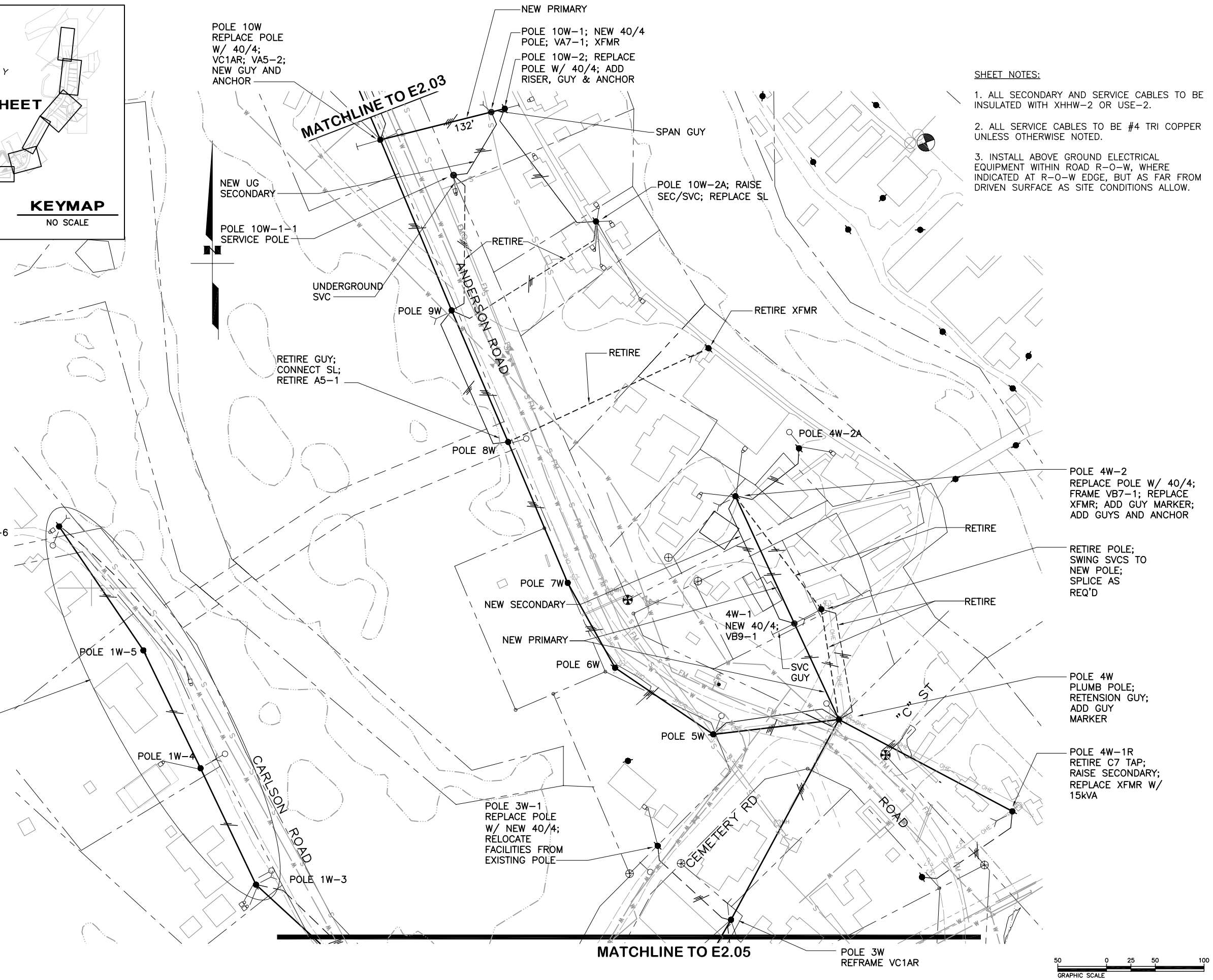

SHEET NOTES:

1. ALL SECONDARY AND SERVICE CABLES TO BE INSULATED WITH XHHW-2 OR USE-2.

2. ALL SERVICE CABLES TO BE #4 TRI COPPER UNLESS OTHERWISE NOTED.

3. INSTALL ABOVE GROUND ELECTRICAL EQUIPMENT WITHIN ROAD R-O-W, WHERE INDICATED AT R-O-W EDGE, BUT AS FAR FROM DRIVEN SURFACE AS SITE CONDITIONS ALLOW.

ISSUED FOR BID

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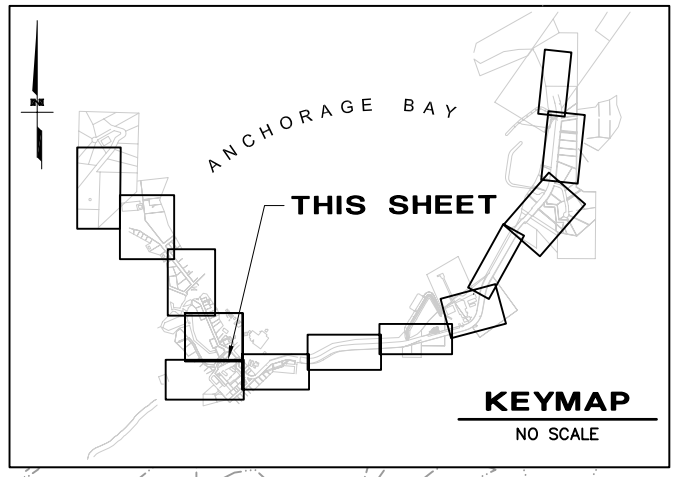

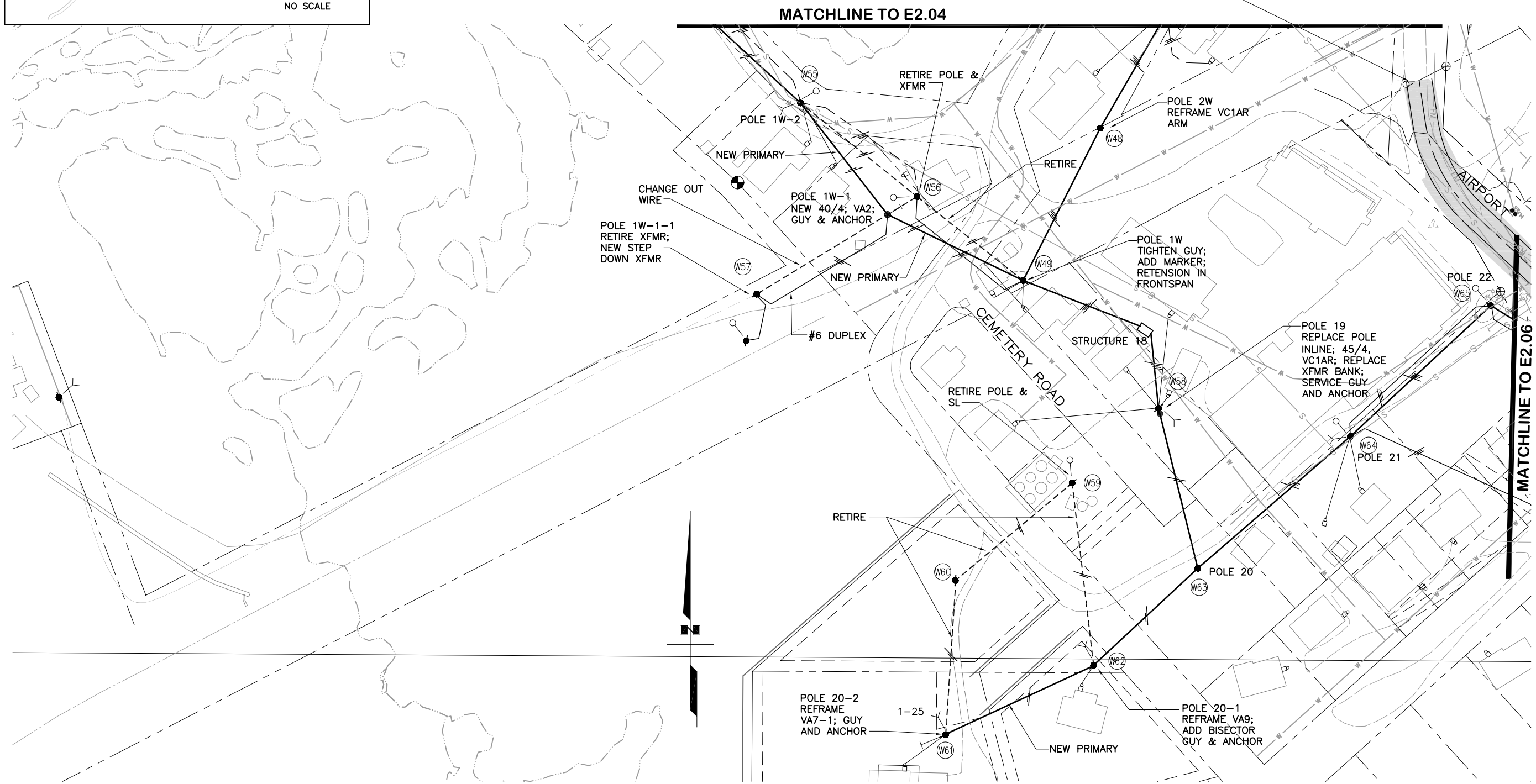

ISSUED FOR BID

ISSUED FOR PERMITTING

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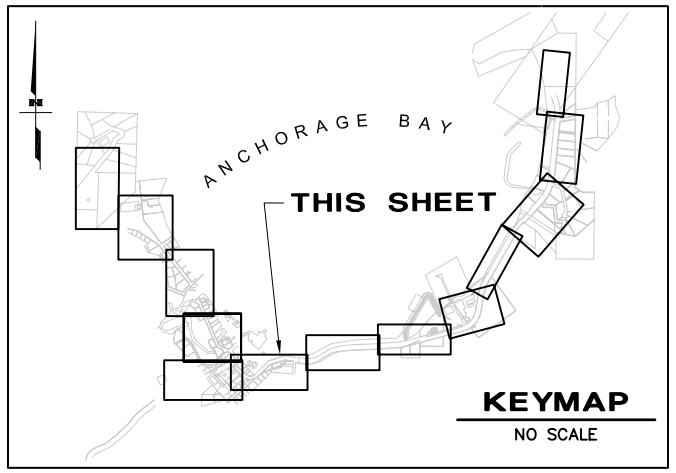

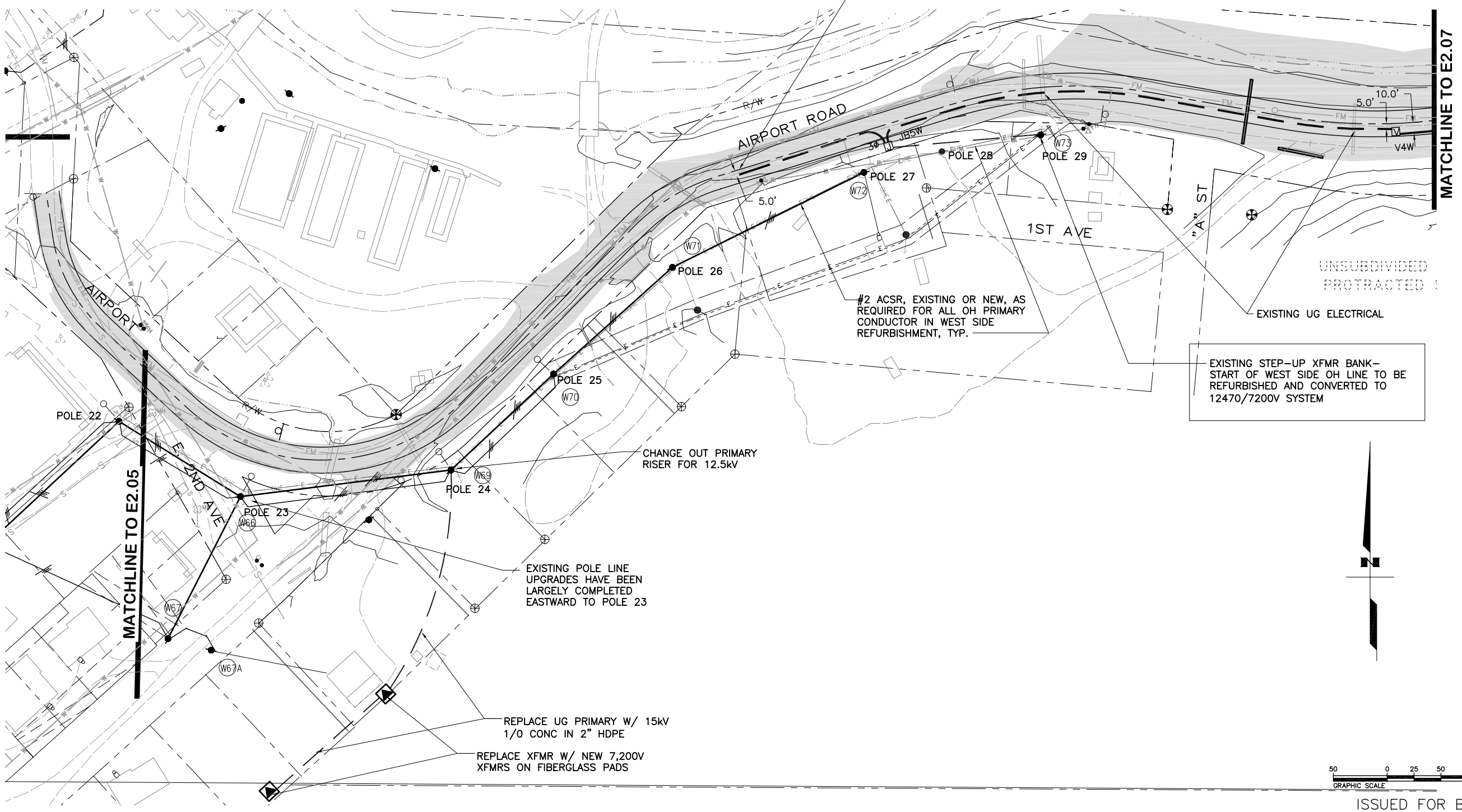

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