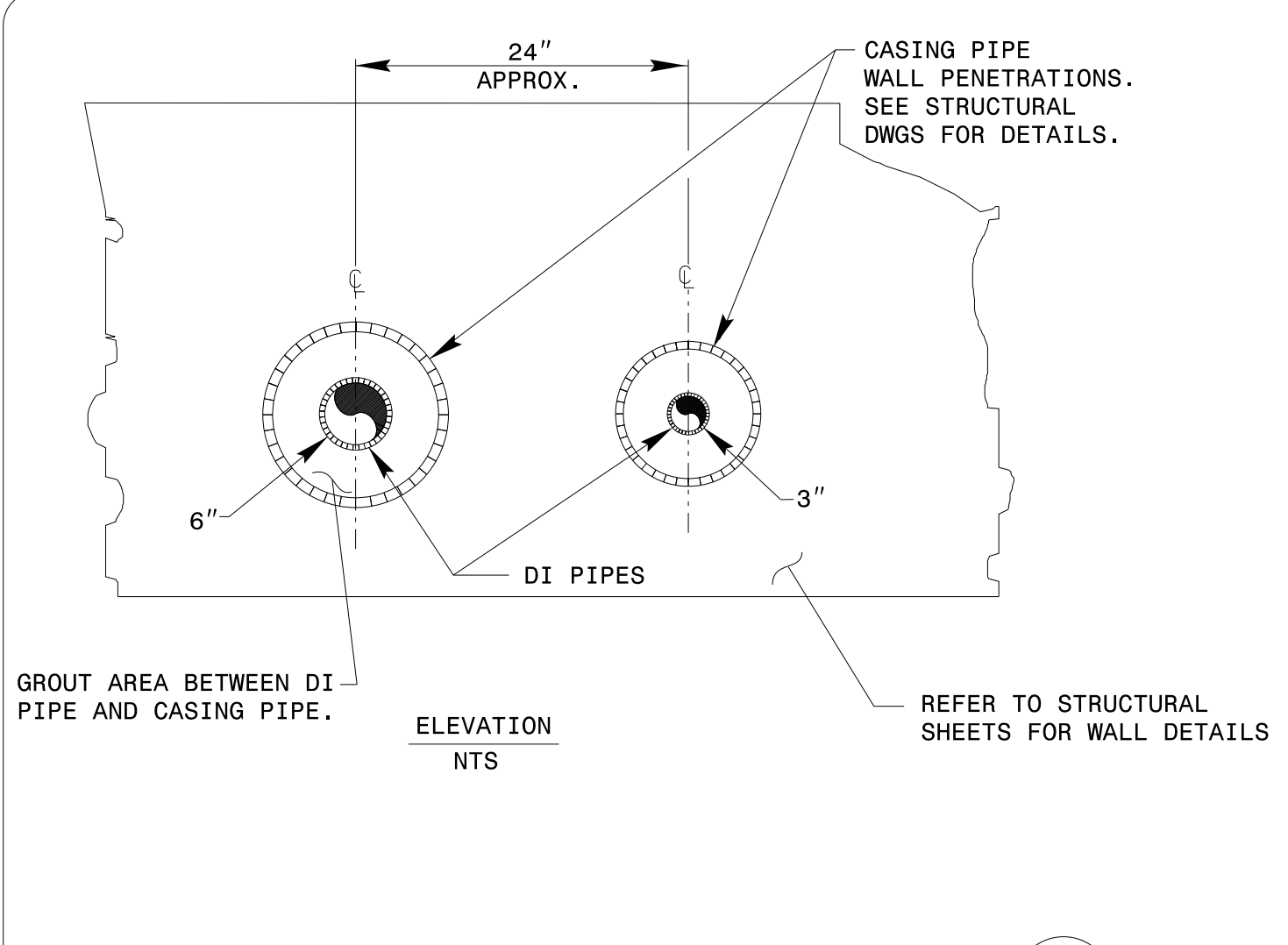


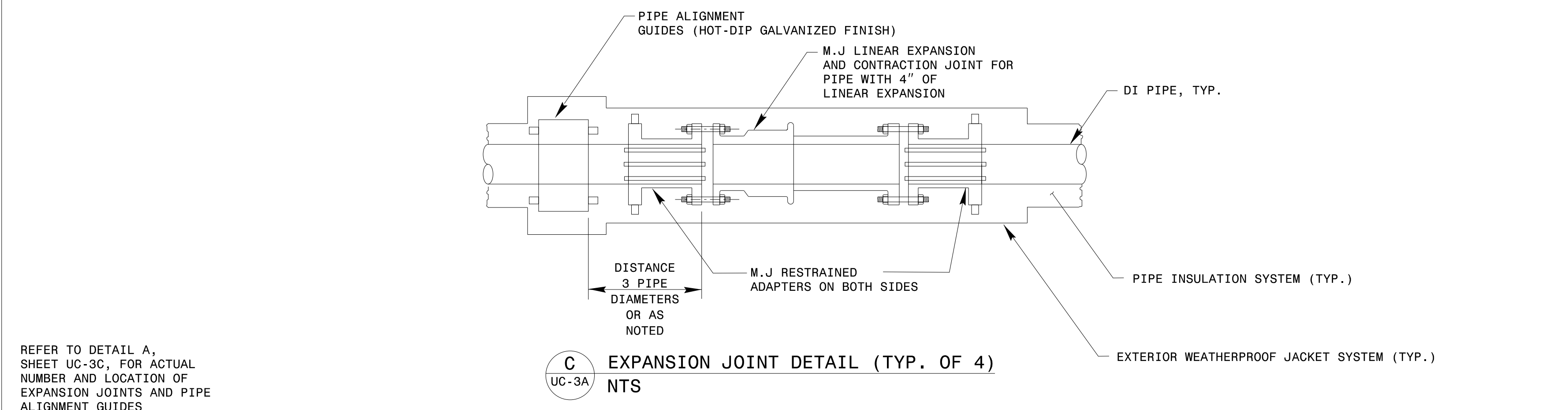
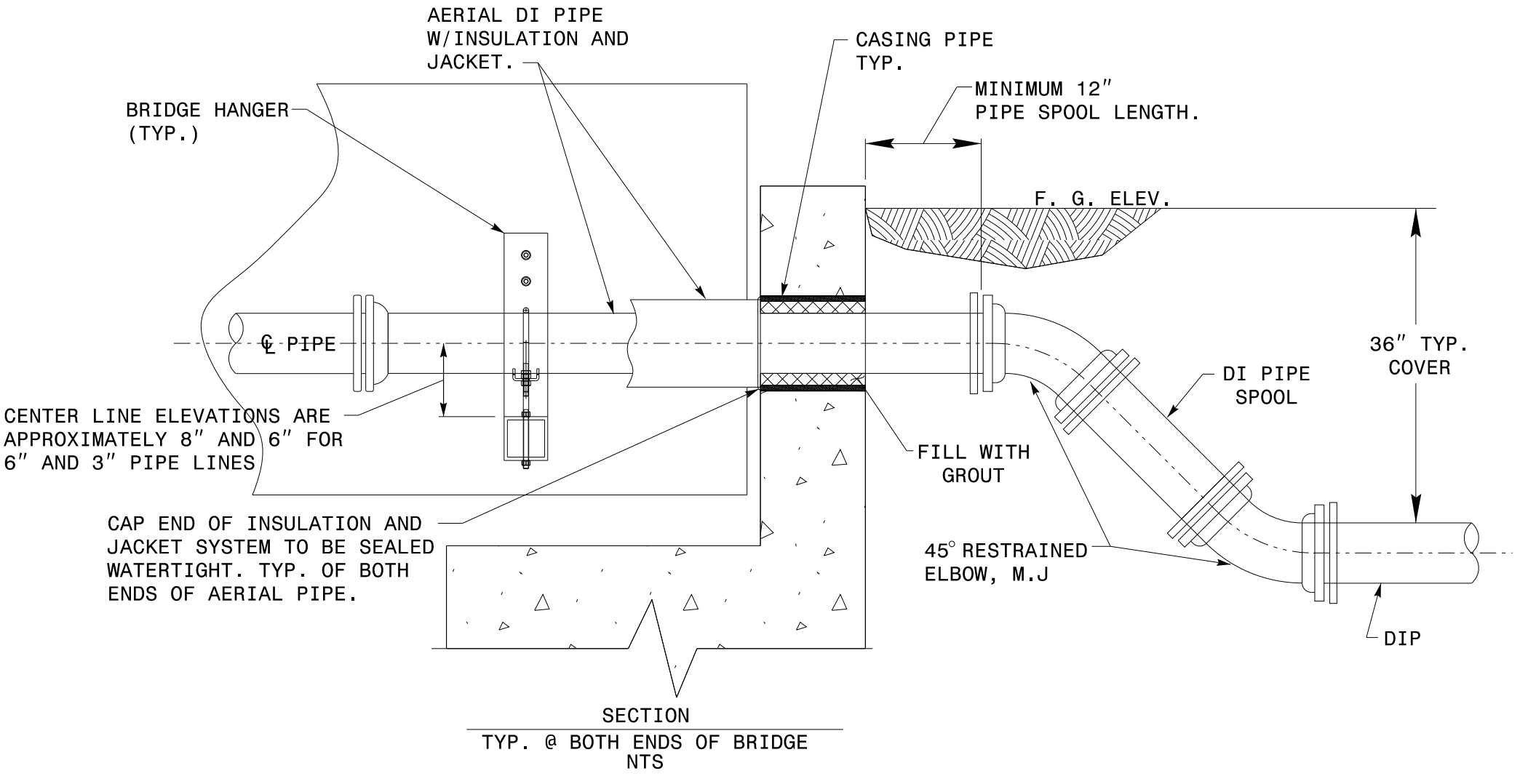
9/13/18

PROJECT NO.: 14SP.20441.1

CONTRACT: C204411

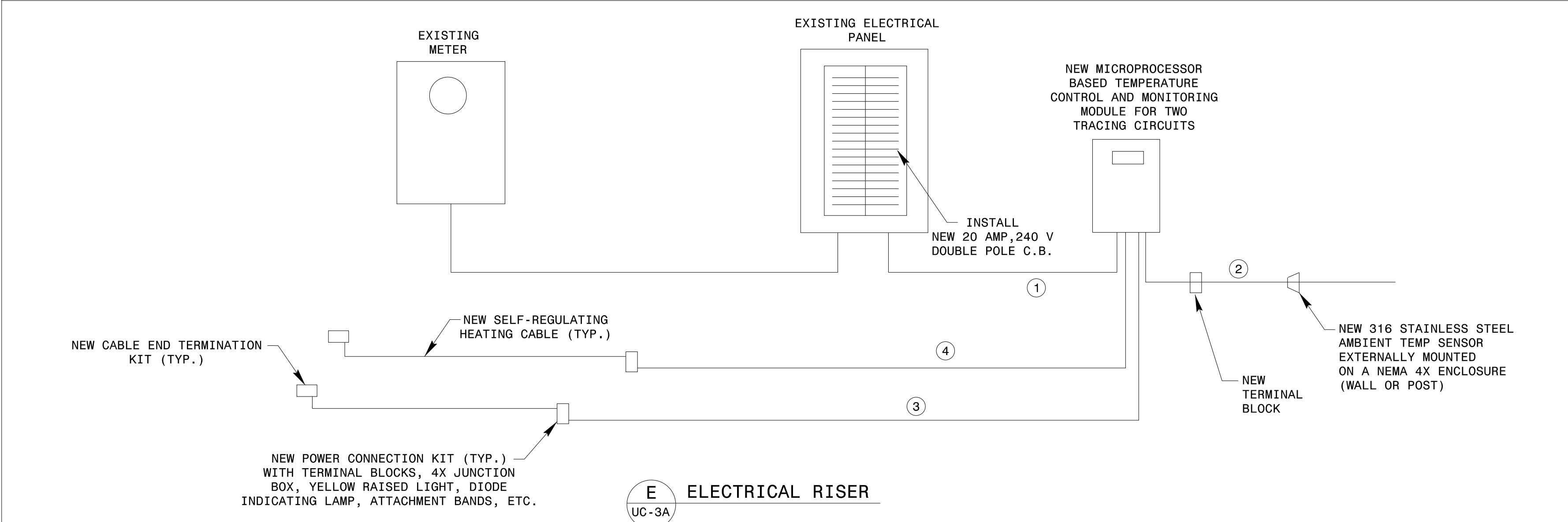


A WING WALL PIPE PENETRATION
UC-3A NTS



C EXPANSION JOINT DETAIL (TYP. OF 4)
UC-3A NTS

REFER TO DETAIL A, SHEET UC-3C, FOR ACTUAL NUMBER AND LOCATION OF EXPANSION JOINTS AND PIPE ALIGNMENT GUIDES



D ELECTRICAL RISER
UC-3A

FEEDER SCHEDULE						
MARK	AMPERE	CONDUCTORS	CONDUIT SIZE	CONDUIT MATERIAL	NOTES	
①	20	2-#12, 1-#12 G	3/4"	RIGID METALLIC	NEW	
②	15	2-#14, 1-#14 G, SHIELDED	3/4"	RIGID METALLIC	NEW	
③	20	2-#12, 1-#12 G, SHIELDED	3/4"	PVC	NEW	
④	20	2-#12, 1-#12 G, SHIELDED	1/2"	PVC	REUSE EX. CONDUIT & WIRE	

NOTES:
CONTRACTOR TO CAREFULLY REMOVE EXISTING HEAT TRACING PANEL AND REPLACE IT WITH NEW SYSTEM PER PLANS. SALVAGE/REUSE EXISTING CONDUIT AND WIRE TO EXISTING BRIDGE AREA AND USE EXISTING WIRE TO PROVIDE NECESSARY SERVICE TO ONE OF THE TWO NEW HEAT TRACING CIRCUITS. INSTALL NEW WIRING ELSEWHERE TO COMPLETE SYSTEM PER PLANS.

JOHNSON, MIRMIRAN, & THOMPSON, INC.
1318-F PATTON AVENUE
Asheville NC, 28806

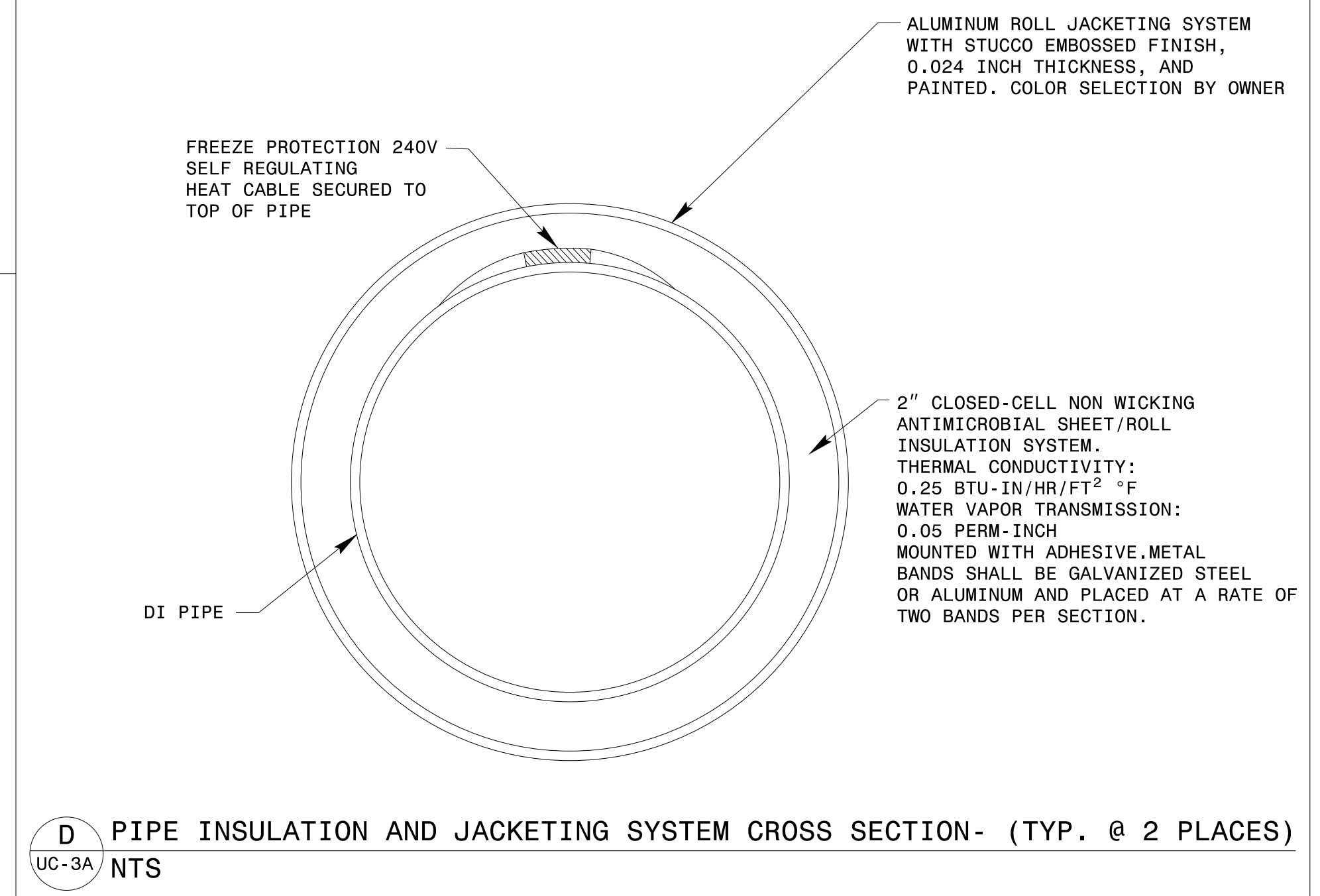
PROJECT REFERENCE NO. 14SP.20441.1	SHEET NO. UC-3A
DESIGNED BY: DRD	
DRAWN BY: DRD	
CHECKED BY: LAM	
APPROVED BY: RMS	
REVISED: 9/13/18	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. 8/25/2023 PHONE: (919) 250-4128 FAX: (919) 250-4119	

STRUCTURE 430175
HAYWOOD COUNTY

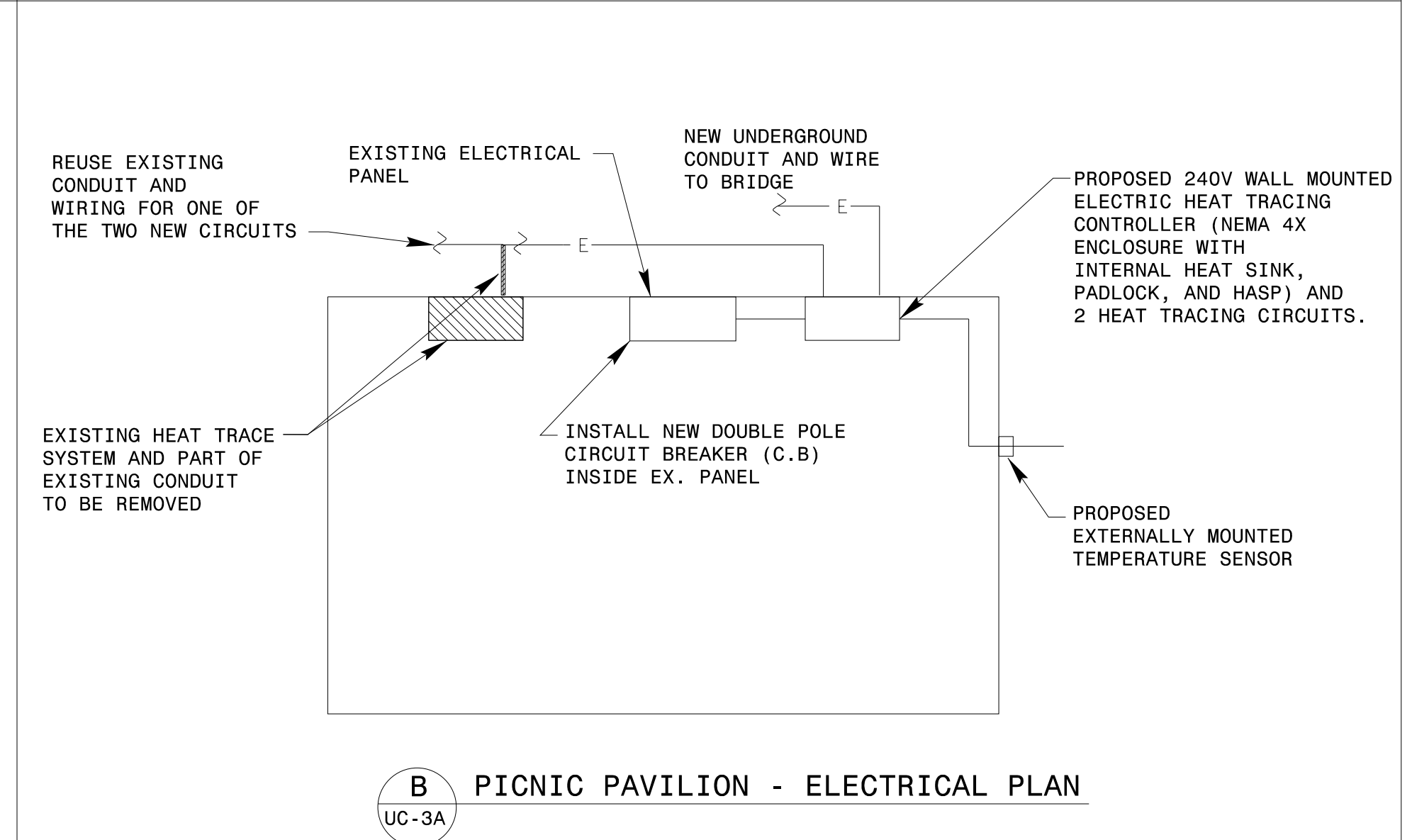
LEGEND:

P.E. PLAIN END
M.J. MECHANICAL JOINT
DI DUCTILE IRON
WL WATER LINE
C.I. CAST IRON

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



E PIPE INSULATION AND JACKETING SYSTEM CROSS SECTION- (TYP. @ 2 PLACES)
UC-3A NTS



F PICNIC PAVILION - ELECTRICAL PLAN
UC-3A

ELECTRIC HEAT TRACE SYSTEM OPERATION:
TURN HEATER ON WHEN AMBIENT TEMPERATURE DROPS TO 35°F. SET CONTROLLER TO TURN OFF WHEN AMBIENT TEMPERATURE RISES TO 40°F.