



NOTES:

1. AREA CLASSIFICATION:

- a. ALL OUTDOORS AREAS ARE CONSIDERED A WET LOCATION. ALL MATERIALS, EQUIPMENT AND INCIDENTALS SHALL MEET NEMA 4X REQUIREMENTS. EXPOSED CONDUITS SHALL BE RIGID STEEL PVC COATED.

2. COORDINATE THE INSTALLATION OF DUCTS WITH NEW AND EXISTING OBSTRUCTIONS.

3. CONTRACTOR SHALL REMOVE EXISTING SPOTLIGHT, ASSOCIATED CONDUIT, WIRE AND SUPPORTS AND REPLACE WITH NEW TYPE "5" FIXTURE. PROVIDE ALL NEW CONDUIT AND WIRE AND SUPPORTS AS SHOWN.

4. EXISTING COMBINATION STARTER AND CONTROL PANEL ARE TO REMAIN AND BE RE-FED FROM NEW POWER PANEL PP-1. CONTRACTOR SHALL REMOVE CONDUIT AND WIRES FROM EXISTING EQUIPMENT TO EXISTING THICKENED SLUDGE PUMP STATION.

5. ROUTE CONDUITS FROM GRAVITY THICKENER CONTROL PANEL NO. 2 TO DRIVE AND TORQUE SWITCHES UNDERNEATH WALKWAY (SUPPORT AS REQUIRED).

6. CONTRACTOR SHALL EXTEND SPARE CONDUIT INTO PUMP STATION AND CAP THE CONDUIT.

7. FOR FIXTURE SCHEDULE SEE SHEET E-12.

8. FOR OTHER CONDUITS IN THIS AREA SEE SHEET E-27.

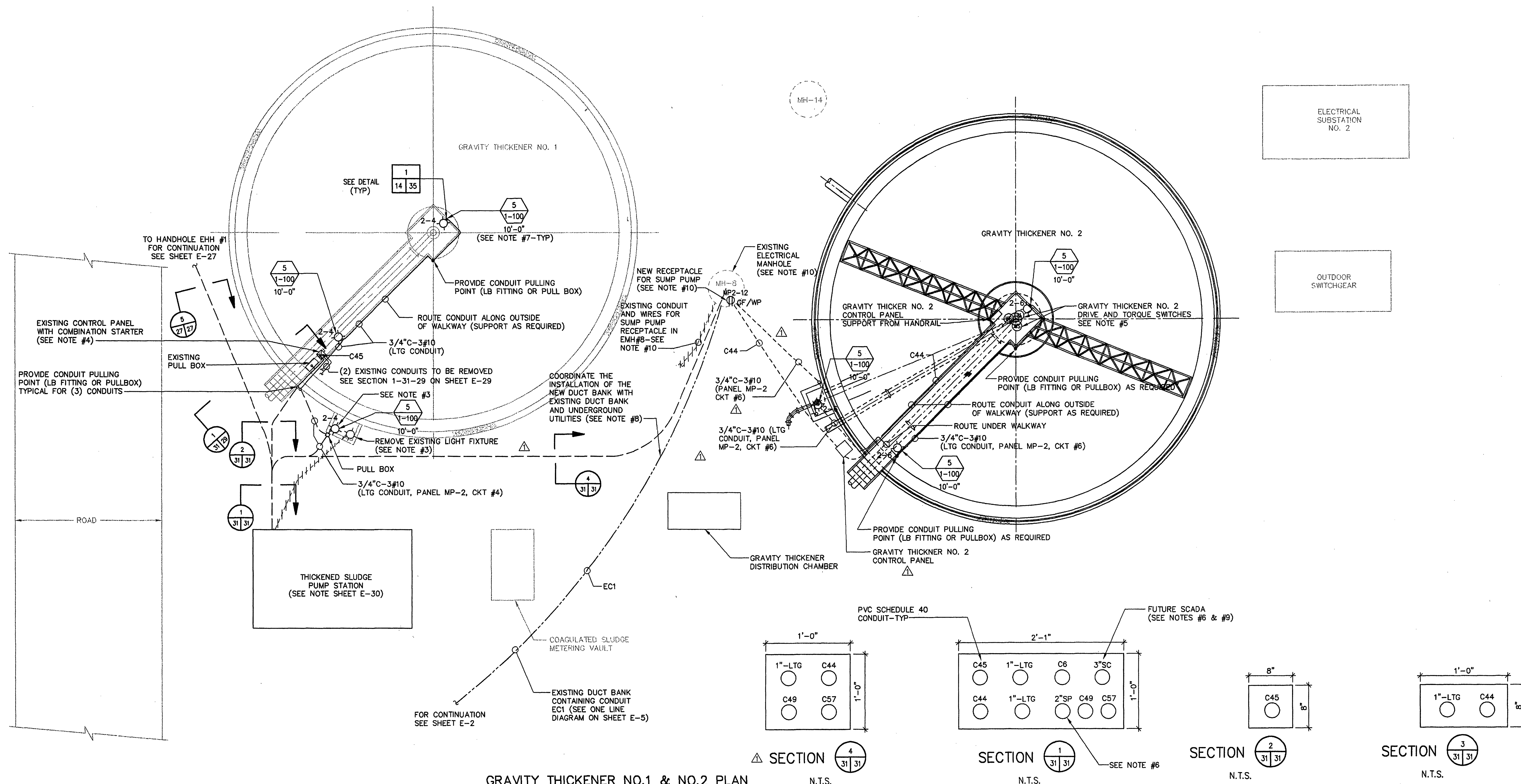
9. SCADA CONDUIT SHALL BE RIGID STEEL REGARDLESS OF INSTALLATION.

10. EXISTING MANHOLE #8 CONTAINS A RECEPTACLE FOR A SUMP PUMP. CONTRACTOR SHALL PERFORM THE FOLLOWING:

- a. DISCONNECT AND REMOVE EXISTING RECEPTACLE AND WIRING. REMOVE ALL EXPOSED CONDUIT AND ABANDON EXISTING UNDERGROUND CONDUIT.

- b. PROVIDE AND INSTALL NEW 20 AMP, GFCI/WEATERPROOF RECEPTACLE IN MANHOLE #8. PROVIDE NEW CONDUIT AND WIRE FROM THICKENED SLUDGE PUMP STATION (INCLUDED IN LIGHTING CONDUIT FOR OUTDOOR LIGHTS AS SHOWN ON THIS SHEET) AND CONNECT.

- c. COORDINATE THIS WORK WITH THE DUCT BANK RELOCATION AS SHOWN ON SHEET E-27.



GRAVITY THICKENER NO.1 & NO.2 PLAN

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**MALCOLM
PIRNIE**
11832 Rock Landing Drive, Suite 400
Newport News, Virginia 23606

REVISIONS				REMARKS
NO.	BY	DATE	REVISION	
1	ARB	JAN. 2000	RECORD DRAWING	

DES -- GJM --
DWN -- GJM --
CKD -- TK/FAS --



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

GRAVITY THICKENER AND THICKENED SLUDGE PUMP STATION
GRAVITY THICKENER POWER PLAN

SCALE: 1/8"=1'-0"

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E SHEET 31 OF 36
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