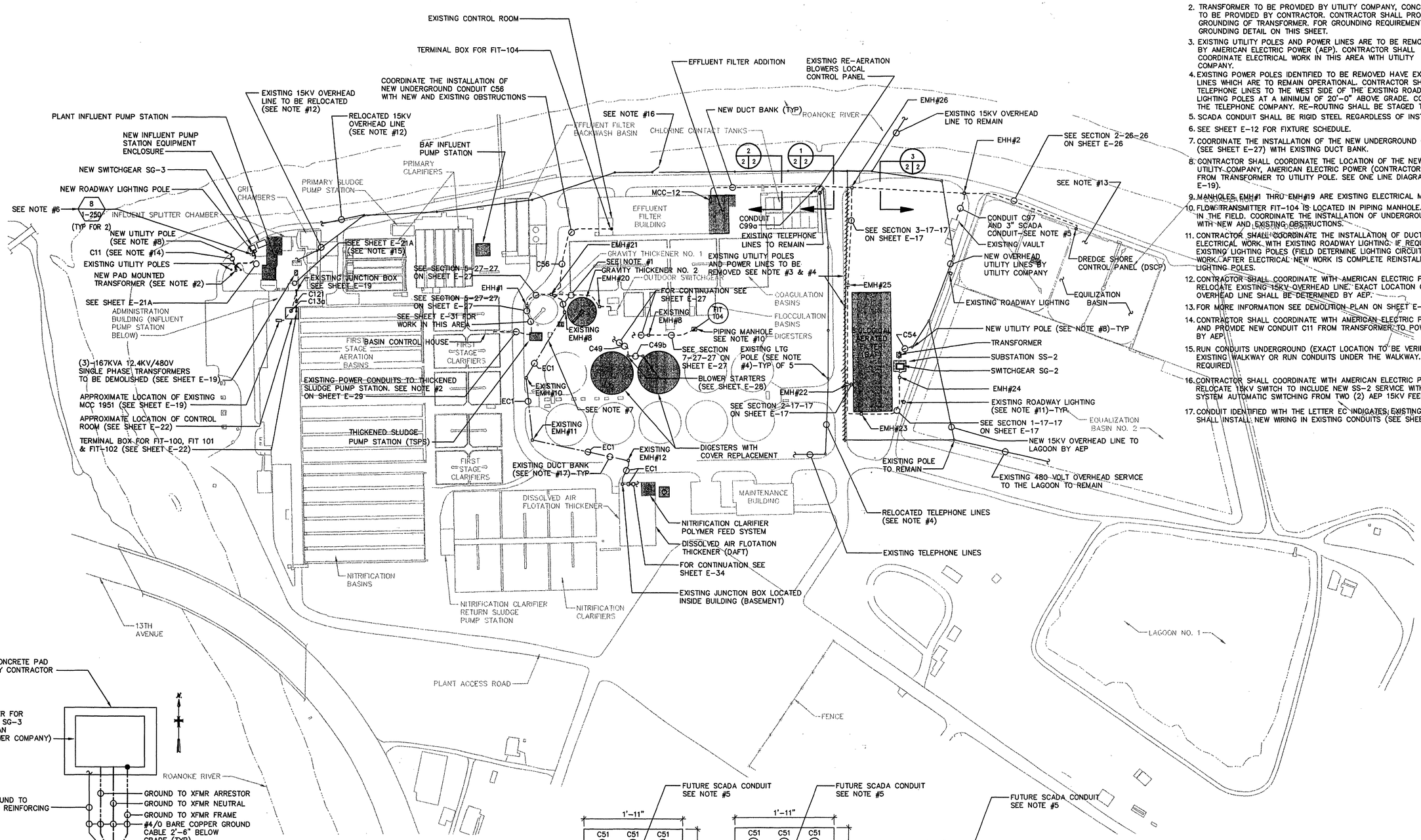
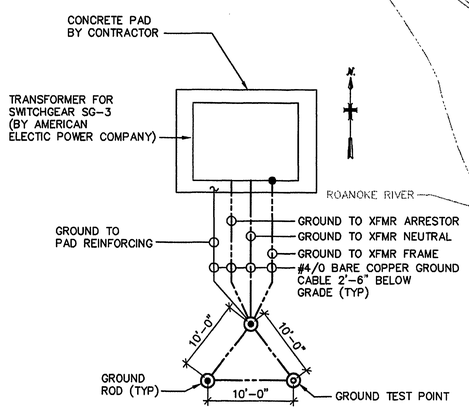
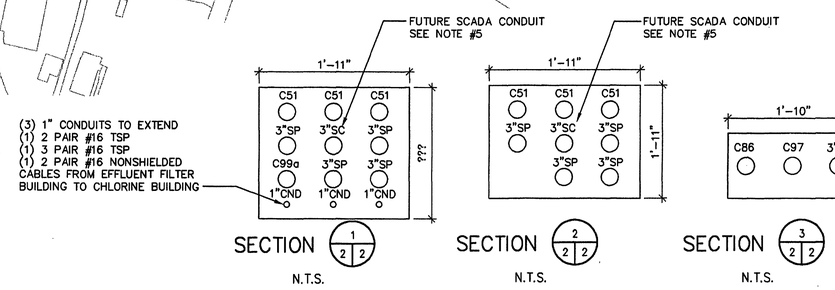
NOTES:

1. FOR EXISTING DUCT BANKS BEING RELOCATED SEE SHEET E-5 & E-27.
2. TRANSFORMER TO BE PROVIDED BY UTILITY COMPANY, CONCRETE PAD TO BE PROVIDED BY CONTRACTOR. CONTRACTOR SHALL PROVIDE GROUNDING OF TRANSFORMER. FOR GROUNDING REQUIREMENTS SEE GROUNDING DETAIL ON THIS SHEET.
3. EXISTING UTILITY POLES AND POWER LINES ARE TO BE REMOVED BY AMERICAN ELECTRIC POWER (AEP). CONTRACTOR SHALL COORDINATE ELECTRICAL WORK IN THIS AREA WITH UTILITY COMPANY.
4. EXISTING POWER POLES IDENTIFIED TO BE REMOVED HAVE EXISTING TELEPHONE LINES WHICH ARE TO REMAIN OPERATIONAL. CONTRACTOR SHALL RELOCATE EXISTING TELEPHONE LINES TO THE WEST SIDE OF THE EXISTING ROAD AND SECURE TO EXISTING LIGHTING POLES AT A MINIMUM OF 20'-0" ABOVE GRADE. COORDINATE WORK WITH THE TELEPHONE COMPANY. RE-ROUTING SHALL BE STAGED TO MINIMIZE SERVICE OUTAGE.
5. SCADA CONDUIT SHALL BE RIGID STEEL REGARDLESS OF INSTALLATION.
6. SEE SHEET E-12 FOR FIXTURE SCHEDULE.
7. COORDINATE THE INSTALLATION OF THE NEW UNDERGROUND CONDUITS C49 AND C57 (SEE SHEET E-27) WITH EXISTING DUCT BANK.
8. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE NEW POWER POLES WITH THE UTILITY COMPANY, AMERICAN ELECTRIC POWER (CONTRACTOR SHALL PROVIDE CONDUIT FROM TRANSFORMER TO UTILITY POLE. SEE ONE LINE DIAGRAMS ON SHEETS E-6 & E-19).
9. MANHOLES EMH#1 THRU EMH#19 ARE EXISTING ELECTRICAL MANHOLES.
10. FLOW TRANSMITTER FIT-104 IS LOCATED IN PIPING MANHOLE. COORDINATE LOCATION IN THE FIELD. COORDINATE THE INSTALLATION OF UNDERGROUND CONDUITS C56 & C57 WITH NEW AND EXISTING OBSTRUCTIONS.
11. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF DUCT BANKS AND OTHER ELECTRICAL WORK WITH EXISTING ROADWAY LIGHTING. IF REQUIRED, TEMPORARILY REMOVE EXISTING LIGHTING POLES (FIELD DETERMINE LIGHTING CIRCUITS) TO ALLOW FOR NEW WORK. AFTER ELECTRICAL NEW WORK IS COMPLETE REINSTALL EXISTING ROADWAY LIGHTING POLES.
12. CONTRACTOR SHALL COORDINATE WITH AMERICAN ELECTRIC POWER (AEP) COMPANY TO RELOCATE EXISTING 15KV OVERHEAD LINE. EXACT LOCATION OF NEW (RELOCATED) OVERHEAD LINE SHALL BE DETERMINED BY AEP.
13. FOR MORE INFORMATION SEE DEMOLITION PLAN ON SHEET E-26.
14. CONTRACTOR SHALL COORDINATE WITH AMERICAN ELECTRIC POWER (AEP) COMPANY AND PROVIDE NEW CONDUIT C11 FROM TRANSFORMER TO POWER POLE AS DIRECTED BY AEP.
15. RUN CONDUITS UNDERGROUND (EXACT LOCATION TO BE VERIFIED IN THE FIELD). SAW CUT EXISTING WALKWAY OR RUN CONDUITS UNDER THE WALKWAY. REPAIR WALKWAY AS REQUIRED.
16. CONTRACTOR SHALL COORDINATE WITH AMERICAN ELECTRIC POWER (AEP) COMPANY TO RELOCATE 15KV SWITCH TO INCLUDE NEW SS-2 SERVICE WITH PLANT DISTRIBUTION SYSTEM AUTOMATIC SWITCHING FROM TWO (2) AEP 15KV FEEDERS.
17. CONDUIT IDENTIFIED WITH THE LETTER EC INDICATES EXISTING DUCT BANK. CONTRACTOR SHALL INSTALL NEW WIRING IN EXISTING CONDUITS (SEE SHEET E-5).





TRANFORMER FOR SWITCHGEAR SG-3 GROUNDING DETAIL
(NOT TO SCALE)



INDICATES NEW WORK UNDER THIS PROJECT

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

DES GJM/TK
DWN GJM
CKD TK

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

ROANOKE VIRGINIA, CHARTERED 1882

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

ELECTRICAL
SITE PLAN

SCALE: 1"=100'-0"

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DATE MAY 1997
E SHEET 2 OF 36
CAD REF. NO. 0060E677

7361 0060028696 I:\ACAD\PROJ\0060028\0060E677 Scale: 1:100 Date: 05/02/1997 Time: 08:16