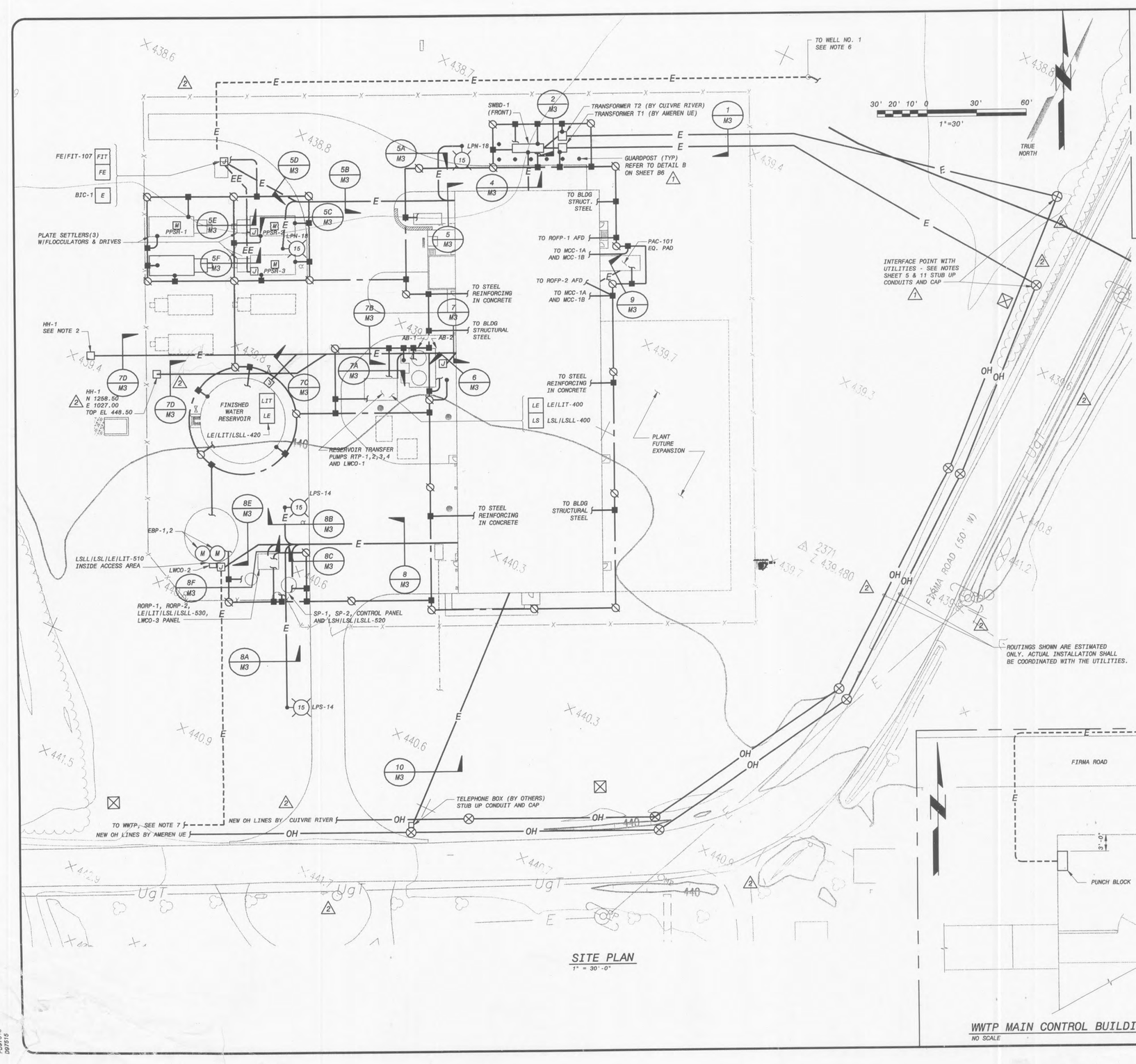
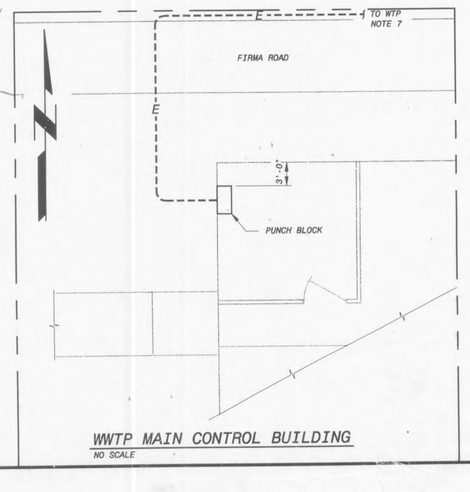
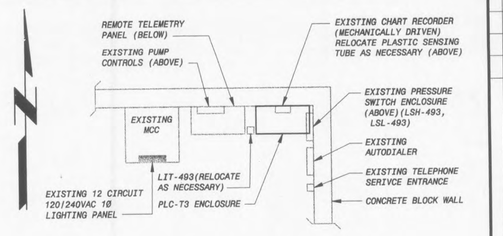


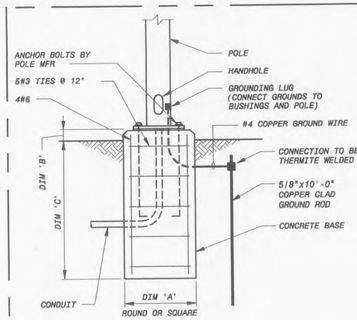
SITE PLAN
1" = 30'-0"



WWTP MAIN CONTROL BUILDING
NO SCALE



TOWER/WELL NO. 3 OPERATIONS BLDG
PARTIAL PLAN - GROUND LEVEL, NORTHEAST CORNER
3/8" = 1'-0" (LOCATED AT NORTH MAIN AND TOM GINNEVER AVE.)



TYPICAL POLE
MOUNTING DETAIL
NO SCALE

A	B	C	POLE LENGTH
2'-0"	2"	5'-0"	30'

NOTES:

1. SEE DRAWING M1 FOR ELECTRICAL LEGEND & ABBREVIATIONS AND GENERAL REQUIREMENTS.
2. INSTALL HANDHOLE WITH 3" CONDUIT FROM DUCT BANK AS INDICATED. THESE ARE RESERVED FOR FUTURE FIBER OPTIC CONNECTION TO TOWER/WELL NO. 3 (BY OTHERS).
3. CONTRACTOR SHALL PROVIDE A HEAT TRACE SYSTEM FOR THE ABOVE GRADE PORTIONS OF EACH OF THE PLATE SETTLERS INFLUENT, EFFLUENT, AND RESIDUAL DISCHARGE LINES (INCLUDING PLUG VALVES). REFER TO SPECIFICATION SECTION 16050, DRAWING B7, AND E2 FOR DETAILS. (1)
4. CONTRACTOR SHALL PROVIDE HEAT TRACE SYSTEM FOR ABOVE GRADE PORTIONS OF SODIUM HYDROXIDE LINES. REFER TO SPECIFICATION SECTIONS 15060 AND DRAWINGS B7 AND E1. (1)
5. UTILITIES (AMEREN UE AND CUIVRE RIVER) WILL INSTALL ALL PRIMARY SERVICES ABOVE GRADE, UNDERGROUND PRIMARY CABLES, TRANSFORMERS T1 & T2, AND PADS. CONTRACTOR SHALL INSTALL ALL UNDERGROUND DUCT BANK. ALL INTERFACE WITH UTILITIES SHALL BE IN ACCORDANCE WITH EACH UTILITY'S REQUIREMENTS.
6. THIS IS FIBER OPTIC (DIRECT-BURIED, ARMORED) CABLE, PROVIDED UNDER THIS CONTRACT (REFER TO CONTRACT SPECIFICATIONS 13530, DRAWING B1), FOR WELL NO. 1. CONTRACTOR SHALL COORDINATE AND INSTALL WITH THE PLANT INFLUENT PIPING.
7. THIS IS FIBER OPTIC (DIRECT-BURIED, ARMORED) CABLE PROVIDED UNDER THIS CONTRACT TO THE WASTE WATER TREATMENT PLANT. REFER TO DETAIL THIS SHEET. CABLE SHALL BE INSTALLED WITH THE BASIN EQUALIZATION FORCE MAIN PIPING. DISTANCE IS ESTIMATED TO BE APPROXIMATELY 1800 FEET. TRACE WIRE INSTALLED ABOVE 6" PVC AND TERMINATED IN J-BOX AT AQUALIZATION BASIN. (2)
8. REFER TO DRAWINGS B1 THROUGH B7 FOR PRECISE LOCATIONS OF EQUIPMENT LOCATED IN YARD.
9. ALL CONDUCTORS FOR GROUNDING GRID SYSTEM INCLUDING CONDUCTORS TO EQUIPMENT, STRUCTURAL STEEL, AND REINFORCING STEEL SHALL BE #4/0 BARE COPPER. UNLESS OTHERWISE INDICATED, THE SYMBOL "—┤" REFERS TO CONNECTIONS TO CONCRETE REINFORCING STEEL, AND THE SYMBOL "—●" REFERS TO EQUIPMENT CONNECTIONS.
10. CONTRACTOR SHALL FURNISH AND INSTALL A LIGHTNING PROTECTION SYSTEM. REFER TO CONTRACT SPECIFICATIONS.
11. AMEREN UE TERMINATION POLE WILL BE LOCATED AT N 1305.00, E 1561.22. THE DUCTBANK SHALL EXTEND TO THIS LOCATION (1)

NO.	BY	CK	APP
2			
1			

CONFORMED TO CONSTRUCTION RECORDS
ADDENDUM
REVISIONS AND RECORD OF ISSUE
DATE

CYGNET ID: 97515-300-E-T0000007 | XREF1 ID: 97515-300-C-T0000004W
SAVED: BOM14813, 3/9/2005 2:21:03 PM | XREF2 ID:
DWG VER #: 7.0 | XREF3 ID:
PLOTTED: IV444269, 10/26/2004 3:00:15 PM | XREF4 ID:
USER: BOM14813 | SW: ACAD-2000i | XREF5 ID:

"THIS DRAWING WAS ORIGINALLY APPROVED FOR CONSTRUCTION BY JOSEPH T. FORBES ON 10/08/01 AND SEALED BY JOSEPH T. FORBES A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI, NO. E-27568"

BLACK & VEATCH Corporation
St. Louis, Missouri

CITY OF O'FALLON, MISSOURI
WATER TREATMENT PLANT

ELECTRICAL SITE PLAN

DESIGNED:	GNS
DETAILED:	DAH, BAL
CHECKED:	KHI
APPROVED:	JTF
DATE:	10/08/01

PROJECT NO.
97515

M2

SHEET
57 OF 96

F97515
D97515