

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-(1,2) T-17	ST. CLAIR	77	3
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS, SITE ACCESS, POWER SUPPLY AND OTHER ITEMS THAT AFFECT THE CONTRACT AND THE CONSTRUCTION OF THE IMPROVEMENT.
2. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS, SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF THE WORK.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOW:

 - AMERENIP (GAS)
 - AMEREN UE (ELECTRIC)
 - ILLINOIS AMERICAN WATER COMPANY (WATER)
 - MCLEOD USA TELECOMMUNICATIONS, INC. (COMMUNICATIONS)
 - QWEST COMMUNICATIONS (COMMUNICATIONS)
 - SBC (COMMUNICATIONS)
 - MEMBERS OF JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.) THE J.U.L.I.E. SYSTEM PHONE NUMBER IS 1800-892-0123. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
3. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THIS DATA IS ESSENTIALLY CORRECT, BUT THE DEPARTMENT AND OTHERS ASSOCIATED WITH THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY WHEN THE POTENTIAL EXISTS FOR INVOLVEMENT AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGES TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. ALL MECHANICAL AND ELECTRICAL EQUIPMENT REMOVED, EXCEPT THE SALVAGE ITEMS AS SPECIFIED IN SUBSECTION 2.1.1 OF SECTION 2B, SHALL BECOME THE PROPERTY OF CONTRACTOR. IT SHALL BE THE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND DISPOSE OF SAME. CONTRACTOR SHALL COORDINATE WITH DISTRICT 8 FOR ALL EQUIPMENT TO BE REMOVED.
5. IN GENERAL, PRIOR TO CUTTING OPENINGS IN THE EXISTING REINFORCED CONCRETE SLABS AND WALLS, THE CONTRACTOR SHALL IDENTIFY EXACT LOCATIONS OF MAIN REINFORCING BARS (REBAR DETECTOR OR OTHER APPROVED PROCEDURE). THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO CUTTING REINFORCED CONCRETE.
6. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS WHILE AT THE CONSTRUCTION SITE.
7. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4" EXCEPT AT SIDEWALKS AND CURBS WHERE ROUNDED CORNERS ARE REQUIRED.
8. CLASS SI, CONCRETE SHALL BE USED THROUGHOUT.
10. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M322 GRADE 60.
11. FOR BACKFILLING AND COMPACTION SEE STANDARD SPECIFICATIONS.

12. STRUCTURAL DESIGN DATA:

REINFORCING STEEL $f_y = 60,000$ psi
 CONCRETE $f'_c = 3,500$ psi 14 DAYS
 STRUCTURAL STEEL $f_y = 36.0$ ksi

 MINIMUM SLAB AND STAIR LIVE LOADING = 100 psf
 MINIMUM ROOF LIVE LOADING = 25 psf

13. UNLESS OTHERWISE INDICATED ALL ITEMS AND WORK SHOWN ON THESE SHEETS ARE PROPOSED NEW ITEMS AND WORK.

14. THE EXISTING PUMP STATION FACILITY SHALL REMAIN IN CONTINUOUS OPERATION DURING CONSTRUCTION, ONLY ONE PUMP MAY BE REMOVED FROM SERVICE AT A TIME. THE MINIMUM PUMPING CAPACITY OF THE EXISTING STATION MUST BE MAINTAINED AT ALL TIMES IS 68,700 gpm.

15. NOTE THAT DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE PUMPING STATION. SHORT-TERM SHUTDOWN WILL BE PERMITTED WITH SPECIFIC WRITTEN PERMISSION (SEE SPECIFICATIONS).

16. COORDINATE EXACT LOCATION OF ALL MAJOR COMPONENTS, WITH THE ENGINEER, BEFORE INSTALLATION.

17. ANY SITE AREA DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE STATE.

18. ALL SHOP DRAWINGS, MATERIAL SAMPLES ETC. MUST BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE INSTALLATION.

19. ALL CONCRETE CONSTRUCTION JOINTS BETWEEN NEW AND EXISTING CONCRETE SHOWN ON THE PLANS OR ADDED BY THE CONTRACTOR SHALL BE BONDED CONSTRUCTION JOINTS. (SEE SPECIAL PROVISIONS)

20. CRUSHED SLAG SHALL NOT BE USED AS AN AGGREGATE MATERIAL.

21. CONTACT INFORMATION:

AMEREN-UE
 500 EAST BROADWAY
 MC ES 830
 EAST ST. LOUIS, IL 62201
 ATTN: JOE ROBERTSON, DISTRICT ENGINEER
 (618) 482 2238

THE AUTOMATIC TRANSFER SWITCH, AS SHOWN ON THE PLANS, WAS REPLACED IN SEPT. 2005.

DEMOLITION OF THIS NEW SWITCH WILL BE PAID FOR UNDER THE CONTRACT LUMP SUM PRICE FOR PUMP STATION ELECTRICAL WORK.

THE AUTOMATIC TRANSFER SWITCH SHALL BE INCLUDED IN THE LIST OF ITEMS TO BE SALVAGED AS FOUND IN THE SPECIAL PROVISIONS, SECTION 2B, 2.1.1 SALVAGE ITEMS.

COMMITMENTS

IF ARCHAEOLOGICAL CLEARANCE HAS NOT BEEN OBTAINED FOR THE ENTIRE PROJECT, THE RESIDENT ENGINEER SHALL PROVIDE THE CONTRACTOR THOSE AREAS OF THE PROJECT WHICH HAVE BEEN CLEARED, AND IN WHICH THE CONTRACTOR MAY WORK. THE RESIDENT ENGINEER SHALL ALSO NOTIFY THE CONTRACTOR WHEN ADDITIONAL SITES BECOME AVAILABLE.

SYMBOLS AND ABBREVIATIONS

GENERAL

DWG. DRAWING
 OPN'G OPENING
 TYP. TYPICAL
 T TOP
 EL. ELEVATION
 H.P. HIGH POINT
 L.P. LOW POINT
 CONC. CONCRETE
 RCP REINFORCED CONCRETE PIPE
 HDPE HIGH DENSITY POLYETHYLENE PIPE

MECHANICAL

SWP STORM WATER PUMP
 SSP STATION SUMP PUMP
 FWP FLUSH WATER PUMP
 DP DEWATERING PUMP
 SM SUBMERSIBLE MIXER
 HM HOIST MOTOR
 TM TROLLEY MOTOR
 SW STILLING WELL
 CL CENTER LINE
 SF SUPPLY FAN
 EF EXHAUST FAN
 EUH ELECTRIC UNIT HEATER
 O.A.I. OUTSIDE AIR INTAKE
 DM DAMPER MOTOR
 DN DOWN
 A.F.F. ABOVE FINISH FLOOR
 B/D BOTTOM DUCT
 SR SUPPLY DIFFUSER
 MAX MAXIMUM
 MIN MINIMUM
 W.L. WATER LEVEL
 AHU AIR HANDLING UNIT
 T THERMOSTAT
 □ FLAPPER CHECK VALVE
 ⊠ DOUBLE DOOR CHECK VALVE
 ▨ SOLID MASONRY BLOCK OR BRICK INFILL, MATCH EXISTING WALL

G2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 BOWMAN AVENUE PUMP STATION
 REHABILITATION

GENERAL NOTES

SCALE: NONE
 DATE: 09-12-05

DRAWN BY: CM
 CHECKED BY: KC

ALVORD, BURDICK & HOWSON, L.L.C.
 ENGINEERS CHICAGO

DATE: 09-12-05
 TIME: 10:00 AM
 DRAWN BY: CM
 CHECKED BY: KC

PLOT DATE: DATE-TIME