

**GENERAL NOTES**

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
3. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITY 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 IN THE AREA OF THIS PROJECT ARE:

USIC LOCATING SERVICES - ST LOUIS

- \* AMEREN IP
- \* AMEREN-UE
- \* CITY OF EAST ST. LOUIS
- \* ILLINOIS AMERICAN WATER CO.
- \* CHARTER COMMUNICATIONS, INC
- \* NETWORKS, 360.
- \* LEVEL 3 COMMUNICATIONS, LLC
- \* LIGHTCORE
- \* MCI
- \* VERIZON BUSINESS
- \* AT&T ILLINOIS
- \* QWEST COMMUNICATIONS
- \* MCLEOD USA TELECOMMUNICATIONS, INC.
- \* METRO EAST SANITARY DISTRICT

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*.  
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

4. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
5. 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 IMPROVEMENTS.
6. 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.
7. 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.
8. 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 CONTRACTOR'S RESPONSIBILITY TO REMOVE AND DISPOSE OF SAME. CONTRACTOR SHALL COORDINATE WITH DISTRICT 8 FOR ALL EQUIPMENT TO BE REMOVED.
9. IN GENERAL, PRIOR TO CUTTING OPENINGS IN THE EXISTING BUILDING 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.
10. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE OSHA REGULATIONS WHILE AT THE CONSTRUCTION SITE.
11. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4" EXCEPT AT SIDEWALKS AND CURBS WHERE ROUNDED CORNERS ARE REQUIRED.
12. CLASS SI, CONCRETE SHALL BE USED THROUGHOUT.
13. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M322 GRADE 60.
14. FOR BACKFILLING AND COMPACTION SEE STANDARD SPECIFICATIONS.

**GENERAL NOTES (CONT)**

15. STRUCTURAL DESIGN DATA:  
REINFORCING STEEL  $f_y = 60,000 \text{ psi}$   
CONCRETE  $f'_c = 3,500 \text{ psi 14 DAYS}$   
STRUCTURAL STEEL  $f_y = 36.0 \text{ ksi}$   
  
MINIMUM SLAB AND STAIR LIVE LOADING = 100 psf  
MINIMUM ROOF LIVE LOADING = 25 psf
16. UNLESS OTHERWISE INDICATED ALL ITEMS AND WORK SHOWN ON THESE SHEETS ARE PROPOSED NEW ITEMS AND WORK.
17. 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.
18. 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).
19. COORDINATE EXACT LOCATION OF ALL MAJOR COMPONENTS, WITH THE ENGINEER, BEFORE INSTALLATION.
20. ANY SITE AREA DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO IT'S ORIGINAL CONDITION BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE STATE.
21. ALL SHOP DRAWINGS, MATERIAL SAMPLES ETC. MUST BE SUBMITTED AND APPROVED BY THE ENGINEER BEFORE INSTALLATION.
22. CRUSHED SLAG SHALL NOT BE USED AS AN AGGREGATE MATERIAL.
23. ALL MATERIALS THAT ARE TO BE SALVAGED SHALL BE THE PROPERTY OF THE STATE OF ILLINOIS AND DELIVERED BY THE CONTRACTOR TO:  
BOWMAN AVENUE PUMP STATION  
728 EXCHANGE AVE.  
EAST ST. LOUIS, IL  
CONTACT PETE SAWYER AT (618) 304-2082 TO SCHEDULE DELIVERY
24. THE DEPARTMENT RESERVES THE RIGHT TO NOTIFY THE CONTRACTOR TO CHANGE THE CONSTRUCTION SCHEDULE IF NEEDED TO ENSURE PROPER DEWATERING NEEDS FOR THE DEPARTMENT.
25. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL VERIFY WITH THE DEPARTMENT THAT ALL RIGHT OF WAY HAS BEEN ACQUIRED.

**RATES OF APPLICATION TABLE**

AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TON / CU YD
STONE DUMPED RIPRAP	1.50 TON / CU YD
HOT-MIX ASPHALT:	
BITUMINOUS MATERIALS (PRIME COAT)	0.05 POUND / SQ FT (on pavement)
SURFACE / BINDER (112 lbs)	0.25 POUND / SQ FT (on aggregate)
	0.056 TON / SQ YD * IN
SEEDING:	
NITROGEN FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
AGRICULTURAL GROUND LIMESTONE	2.0 TON / ACRE
MULCH METHOD	2.0 TON / ACRE

**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**

- - - - - EXISTING FORCEMAIN
- . - . - . PROPOSED FORCEMAIN

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**KLINGNER ASSOCIATES, P.C.**  
Engineers - Architects - Surveyors

USER NAME = jeb	DESIGNED -	REVISED -
PLOT SCALE = 8.1567' / 1" =	DRAWN -	REVISED -
PLOT DATE = 8/23/2014	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES  
MISSOURI AVENUE DEEP WELL FACILITY

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-4T-1	ST. CLAIR	185	3
			CONTRACT NO. 76G99	
ILLINOIS FED. AID PROJECT				