

UTILITY GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" CURRENT EDITION, THESE PLANS, THE SPECIAL PROVISIONS, THE CONDITIONS OF THE I.E.P.A. PERMIT, AND THE CITY OF COLLINSVILLE SUBDIVISION ORDINANCE.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL 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.
 - A) AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * AMEREN IP (GAS & ELECTRIC)
 - * AT&T (COMMUNICATIONS)
 - * AT&T CORPORATION (COMMUNICATIONS)
 - * BUCO SERVICES, LTD (COMMUNICATIONS)
 - * CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - * CITY OF COLLINSVILLE (WATER & SANITARY SEWER)
 - * MCLEOD (COMMUNICATIONS)
 - MEMBERS OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY AN *. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY. IT UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INFORMATION INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.
 - B) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM THE AVAILABLE INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND DEPTH TO AVOID DAMAGE THERETO WITH NO ADDITIONAL COMPENSATION BEING GIVEN. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123 OR BY DIRECT CONTACT WITH NON MEMBERS OF J.U.L.I.E.
 - C) THERE WILL BE NO ADDITIONAL COMPENSATION FOR THE ADJUSTMENT OF THE PROPOSED WATER MAIN AS SHOWN ON THE PLANS TO AVOID CONFLICTS WITH EXISTING UTILITIES.
3. ALL EXCAVATIONS UNDER AND WITHIN 2' OF ALL ROADWAY ELEMENTS SUCH AS PAVEMENT, SHOULDERS, DRIVEWAYS, AND SIDEWALKS SHALL BE BACKFILLED WITH CLASS I (COMPACTED CA-6) OR APPROVED EQUAL, AND SURFACE RESTORED WITH BITUMINOUS COLD PATCH MATERIAL. CLASS III (EARTHEN) BACKFILL CAN BE USED EVERYWHERE ELSE. PATCHING SHALL BE INCLUDED WITH THE INSTALLATION OF THE WATER MAIN.
4. WATER MAIN AND SERVICE LINE TRENCHES IN EARTHEN AREAS SHALL BE BACKFILLED WITH THE EXCAVATED MATERIAL AND MODERATELY COMPACTED WITH THE BACKHOE BUCKET OR WHEEL SO AS TO MINIMIZE / ELIMINATE SETTLEMENT AND THE POTENTIAL CREATION OF HAZARDOUS DEPRESSIONS. THIS WORK IS INCLUDED IN THE COST OF THE CONTRACT.
5. MINIMUM DEPTH OF COVER ON THE PROPOSED WATER MAINS AND SERVICES SHALL BE 42".
6. THWN SOFT DRAW NO. 12 COPPER TRACER WIRE SHALL BE INSTALLED WITH ALL PVC WATER MAINS. IT SHALL BE CONNECTED TO ALL VALVES AND HYDRANTS. ALL SPLICES SHALL BE SOLDERED AND WATER TIGHT. THE COSTS FOR COMPLYING WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
7. REMOVAL AND SUITABLE DISPOSAL OF SURPLUS EXCAVATED MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH THE COST OF SAID DISPOSAL INCLUDED IN THE COST OF THE CONTRACT.
8. ANY DAMAGE TO EXISTING CULVERTS/STORM SEWERS BY CONTRACTOR'S OPERATIONS SHALL BE CAUSE FOR THE CONTRACTOR TO REMOVE AND REPLACE SAME AT NO COST TO THE CONTRACT. COST TO REMOVE AND REPLACE CULVERTS AS NECESSARY TO INSTALL WATER MAIN SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
9. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRENCH SHORING, EQUIPMENT, ETC., TO PROVIDE FOR THE PROPER PROTECTION OF HIS WORKERS AS REQUIRED BY O.S.H.A., THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THE ILLINOIS DEPARTMENT OF LABOR. THIS REQUIREMENT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND THE CITY WILL NOT BE RESPONSIBLE FOR THE ENFORCEMENT OF SAFETY STANDARDS.
10. HYDRANTS ARE TO BE SET ON 6" LATERALS, ISOLATED BY A GATE VALVE WITH BOX, AND RESTRAINED WITH SET SCREW RETAINER GLANDS, AND CONCRETE THRUST BLOCKS. TYPICALLY, FIRE HYDRANT ASSEMBLY TO INCLUDE 6" GATE VALVE/VALVE BOX, 6" LEAD PIPE, AND 6" FIRE HYDRANT.
11. REMOVAL OF EXISTING HYDRANT ASSEMBLIES AND SALVAGED TO THE CITY SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
12. PROPOSED FIRE HYDRANT BURY DEPTHS ARE SHOWN FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL CONFIRM THE ACTUAL DEPTHS AFTER THE UTILITIES THAT WILL BE CROSSED ARE VERIFIED AND THE PROPOSED WATER MAIN IS INSTALLED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
13. NEW MAINS TO BE INSTALLED AND ISOLATED BY MEANS OF VALVES UNTIL PERMITTED FOR OPERATIONS BY I.E.P.A. COORDINATE WITH CITY WATER DIVISION FOR FLUSHING, TESTING AND PERMITTING.
14. ALL SERVICES CONNECTED BY TAPPING SADDLE. INSTALL MAIN AVOIDING DAMAGE TO EXISTING SERVICES. REPLACE ALL SERVICE LINES FROM NEW MAIN TO METER WITH FLEXIBLE COPPER TUBING, TYPE "K" ONLY AFTER MAIN HAS BEEN PERMITTED BY I.E.P.A. FOR OPERATION. NEW, SCANNABLE METERS WILL BE FURNISHED BY THE CITY ALONG WITH DRILLED METER PIT LIDS. SALVAGE OLD METERS TO THE CITY.
15. HYDRANT AND VALVE LOCATIONS SHOWN ARE APPROXIMATE. HYDRANTS SHALL BE PLACED EVERY 300-FEET AND AT PROPERTY CORNERS WHERE POSSIBLE. NO HYDRANTS TO BE PLACED IN FRONT OF BUILDINGS.
16. THE CONTRACTOR WILL REPLACE ALL EXISTING WATER METERS AND METER BOXES WITH CITY FURNISHED SCANNABLE METERS AND METER BOXES. ALL WATER SERVICE LINES SHALL BE INSTALLED NEW TO THE METER. MODIFICATIONS TO EXISTING WATER LINE SERVICES SHALL BE INCLUDED AT NO ADDITIONAL COMPENSATION. DEPTH OF WATER METER SHALL NOT EXCEED A DEPTH OF 18" TO TOP OF METER REGISTER FROM FINISHED GRADE.
17. THE CONTRACTOR SHALL FURNISH AND REPLACE METER SETTERS WITH A DOUBLE CHECK VALVE THAT IS ACCEPTABLE BY THE CITY AND STATE. VERTICAL CHECK VALVES MUST BE REMOVABLE FROM THE TOP FOR SERVICE WITHOUT DISTURBING THE SETTER. ALSO INCLUDED WITH THIS ITEM ARE THE TAPPING SLEEVE CONNECTION AND INSTALLATION OF THE CITY FURNISHED SCANNABLE METERS AND METER BOXES. METER LIDS SHALL BE DRILLED FOR SCANNABLE HEADS. THE INSTALLATION OF THE METER SETTER, METER, AND METER BOX SHALL BE MEASURED FOR PAYMENT AS AN INSTALLED UNIT.
18. ALL SERVICE CROSSINGS SHALL BE BORED UNLESS OPEN CUT METHOD IS APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE CITY OF COLLINSVILLE. PLEASE REFER TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS."
19. TRENCH BACKFILL WILL BE PAID TO THE DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. PLEASE REFER TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS."
20. LINE ENDS ARE TO BE CAPPED WITH MECHANICAL JOINT CAP AND A SET SCREW RETAINER GLAND, LESS THAN ONE LENGTH OF PIPE PAST GATE VALVE.
21. ALL VALVES AND FITTINGS SUCH AS TEES, CROSSES, REDUCERS, ELBOWS, CAPS, PLUGS, ETC., SHALL BE DUCTILE IRON WITH MECHANICAL JOINTS AND INCLUDE TRANSITION GASKETS. AND THEY SHALL BE RESTRAINED WITH SET SCREW RETAINER GLANDS AND CONCRETE THRUST BLOCKS.
22. CONCRETE THRUST BLOCKS SHALL NOT BE POURED "WET" UNLESS SPECIFICALLY REQUESTED BY THE CITY, HOWEVER PREFABRICATED CONCRETE BLOCKS (PER THE CITY OF COLLINSVILLE'S SPECIFICATIONS) CAN BE USED TO PROVIDE THRUST RESISTANCE.
23. PIPE MATERIAL SHALL BE PVC SDR 21 WITH PUSH JOINTS MEETING ASTM 3139.
24. MAILBOX REMOVAL AND REPLACEMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.
25. WATER MAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS, AND ABSORPTION BEDS BY A MINIMUM OF 25 FEET.
26. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMITS, SHOWN ON THE PLANS. ANY AREAS DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
27. THE CONTRACTOR SHALL STAGE HIS WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS 24 HOURS PRIOR TO TEMPORARILY CLOSING ENTRANCES.
28. AFTER FINAL GRADING, THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THE COST SHALL BE INCLUDED IN THE PRICE FOR WATER MAIN INSTALLATION.
29. ALL SURVEY AND LAYOUT WORK IS THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THE COST OF THE CONTRACT
30. ALL TAPPING SLEEVES SHALL BE STAINLESS STEEL WITH A DUCTILE IRON FLANGE.
31. ALL GATE VALVES SHALL BE RIGHT CLOSING WITH STAINLESS STEEL BONNET AND PACK BOLTS.
32. THE EXISTING WATER MAIN AND WATER SERVICE LINES SHOWN ARE FOR INFORMATION PURPOSES ONLY. ALL SIZES, LOCATIONS, AND LENGTHS ARE APPROXIMATE. WATER MAINS AND WATER SERVICE LINES IN ADDITION TO THOSE SHOWN MAY BE PRESENT. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION, AND LENGTH OF ALL WATER MAINS AND WATER SERVICES LINES PRIOR TO THE START OF CONSTRUCTION.
33. WATER VALVE RISERS SHALL BE FINAL SET AS PER ARTICLE 602.11 (C) OF THE STANDARD SPECIFICATIONS AND THE MINIMUM THICKNESS FOR THE RISER ALLOWED WILL BE 3 INCHES.
34. ANY PATCHING FOR POTHOLING FROM STATION 227+30 TO THE END OF THE PROJECT (OVERLAY SECTION) SHALL BE FULL LANE AND INCLUDED IN THE PRICE OF THE WATER MAIN.
35. SEE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.

FILE NAME =	USER NAME = default	DESIGNED - DRH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UTILITY RELOCATION GENERAL NOTES	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\Projects\513501\CADD\DN\0876885-shd	drawn-details.dgn	DRAWN - DRH	REVISED -			600	60-(30,31,128)-3	MADISON	529	227
	PLOT SCALE = 40.0000' / in.	CHECKED - VAM	REVISED -			CONTRACT NO. 76B85				
	PLOT DATE = 3/5/2013	DATE - 01/25/2013	REVISED -			SCALE: N/A	SHEET NO. 1 OF 7 SHEETS	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT