

SANITARY SEWER GENERAL NOTES

- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF WORK TO THE LINES AND GRADES SHOWN ON THESE PLANS. CONSTRUCTION SHALL NOT VARY FROM PLANS WITHOUT DISTRICT APPROVAL.
- THE ROCK RIVER WATER RECLAMATION DISTRICT, MUNICIPALITIES, PERTINENT ROADWAY AUTHORITIES, AND ALL AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE STARTING CONSTRUCTION.
- 3 ALL SERVICE LOCATIONS ARE APPROXIMATE AND MAY BE CHANGED IN THE FIELD WITH THE APPROVAL OF THE INSPECTOR. NO ADDITIONAL COMPENSATION WILL BE AWARDED DUE TO REVISED LOCATION.
- 4 ALL CASTINGS SHALL BE ADJUSTED TO FINAL GRADE PER THE ROCK RIVER WATER RECLAMATION DISTRICT REQUIREMENTS.
- 5 SANITARY SEWER TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN THE STATE OF ILL, LATEST EDITION, AND THE REQUIREMENTS OF THE ROCK RIVER WATER RECLAMATION DISTRICT.
- 6 THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT 1-800-892-0123 AND ANY OTHER UTILITIES NOT ON THE J.U.L.I.E. SYSTEM 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 7 SOME EXISTING SANITARY MANHOLES TO BE REMOVED OR ABANDONED HAVE CITY OF ROCKFORD WATER MAINS INSIDE THE MANHOLE. ABANDONMENT OF THE EXISTING WATER MAIN SHALL BE COORDINATED WITH THE CITY OF ROCKFORD WATER DEPARTMENT AND THE PLAN SHEETS DETAILING THIS WORK.
- 8 THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE I.E.P.A. STANDARDS AND SPECIFICATIONS, THE ILLINOIS URBAN MANUAL FOR SOIL EROSION AND SEDIMENT CONTROL.
- 9 PROTECTION OF WATER SUPPLIES SHALL BE PER THE REQUIREMENTS OF TITLE 35, C, SECTION 370.350 OF THE IL RECOMMENDED STANDARDS FOR SEWAGE WORKS.
- 10 SANITARY SEWER CONSTRUCTION SHALL BE STAGED TO CONFORM WITH THE ROADWAY MAINTENANCE OF TRAFFIC PLANS.
- 11 AT VARIOUS LOCATIONS THE CONTRACTOR SHALL INSTALL TEMPORARY SANITARY SEWER PIPE PLUGS OR MAKE TEMPORARY CONNECTIONS TO EXISTING PIPE FOR THE PURPOSE OF CONSTRUCTION STAGING. SEWER MAINS, CASING PIPE, OR SERVICES WHICH CROSS BETWEEN STAGE 1 AND STAGE 2 WORK AREAS SHALL BE CONSTRUCTED IN A MANNER THAT ADEQUATELY PROTECTS ANY ITEMS OR PERMANENT SURFACES FROM DAMAGE BETWEEN THE TIME THE TEMPORARY PLUG OR CONNECTION IS INSTALLED AND THE TIME THAT THE PLUG OR TEMPORARY CONNECTION IS REMOVED AND THE INSTALLATION OF NEW SEWER MAIN, CASING OR SERVICE PIPE IS RESUMED. TEMPORARY PLUGS OR CONNECTIONS SHALL BE INSTALLED AS REQUIRED TO CONSTRUCT THIS PROJECT AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR ALL ASSOCIATED SANITARY SEWER ITEMS.
- 12 AT VARIOUS LOCATIONS THE CONTRACTOR SHALL INSTALL TEMPORARY PAVEMENT FOR THE PURPOSE OF CONSTRUCTION STAGING. SEWER MAINS, CASING PIPE OR SERVICES WHICH CROSS BETWEEN STAGE 1 AND STAGE 2 WORK AREAS SHALL BE CONSTRUCTED IN A MANNER THAT ADEQUATELY PROTECTS ANY ITEMS OR PERMANENT SURFACES FROM DAMAGE BETWEEN THE TIME ONE PHASE OF CONSTRUCTION IS COMPLETED AND THE INSTALLATION OF NEW SEWER MAIN, CASING OR SERVICE PIPE IS RESUMED. TEMPORARY PAVEMENT SHALL BE INSTALLED AS REQUIRED TO CONSTRUCT THIS PROJECT AND THE COST SHALL BE PAID FOR BASED ON THE CONTRACT UNIT COST FOR TEMPORARY PAVEMENT VARIABLE DEPTH.
- 13 THE TEMPORARY PAVEMENT SECTION SHALL CONSIST OF HOT MIX ASPHALT SURFACE COURSE, 4 3/4" OVER AGGREGATE BASE COURSE, TYPE B, 12".
- 14 SOUTH MAIN STREET & OGILBY ROAD SANITARY SEWER MAIN (STA. 360+87): THE SANITARY SEWER MAIN EXTENSION COLE AVE. & SOUTH MAIN ST. (STA. 364+78) AND THE SANITARY SEWER SERVICE RECONNECTION TO 2303 S. MAIN STREET MUST BE CONSTRUCTED PRIOR TO ABANDONING THE 8" VCP SANITARY SEWER FROM MH 014-007 TO MH 014-009 .
- 15 THE SANITARY SEWER SERVICE RECONNECTION TO 1821 SOUTH MAIN STREET MUST BE CONSTRUCTED PRIOR TO ABANDONING AND FILLING THE EXISTING 6" VCP SANITARY SEWER NORTH OF INDIANA AVE. & SOUTH MAIN STREET (STA. 377+20).
- 16 THE SANITARY SEWER SERVICE RECONNECTION TO 1717 AND 1721 SOUTH MAIN STREET MUST BE CONSTRUCTED PRIOR TO ABANDONING AND FILLING THE EXISTING 10" VCP SANITARY SEWER NORTH OF ILLINOIS AVE. & SOUTH MAIN STREET FROM MH 021-003 TO 021-004 (STA. 381+13).
- 17 TRAFFIC CONTROL REQUIRED TO CONSTRUCT SANITARY SEWERS AND SANITARY SEWER RELATED WORK SHALL BE PAID FOR UNDER PAY ITEMS, 70102620, 70102622, 70102625, 70102630, 70102635 AND 70102640.
- 18 SANITARY SEWER SERVICES AND SERVICE RECONNECTIONS SHALL BE LAID AT A MINIMUM OF 1.0% SLOPE. MAINTAIN A MINIMUM OF 18-INCH VERTICAL SEPERATION WITH PROPOSED OR EXISTING WATER MAINS.

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- 20 IN THE EVENT THE WATER TABLE IS ABOVE THE BOTTOM OF THE PIPE BEDDING, OR THE TRENCH BOTTOM IS UNSTABLE OR UNSUITABLE, A POROUS GRANULAR FOUNDATION MEETING I.D.O.T. SPECIFICATIONS OF CA5, CA3 OR 1/32 A3/32 STONE SHALL BE INSTALLED AS NECESSARY BELOW THE GRANULAR BEDDING MATERIAL, EXTENDING TO THE LIMITS OF THE BEDDING DIAGRAM AT NO EXTRA COST TO THE OWNER. SHOULD BOULDERS, FROZEN MATERIAL, ETC., WHICH COULD DAMAGE THE PIPE BE PRESENT IN THE NATIVE BACKFILL MATERIAL, THE CONTRACTOR SHALL BRING THE BEDDING MATERIAL TO A POINT TWENTY-FOUR INCHES (24") ABOVE THE CROWN OF THE PIPE (COST INCIDENTAL).
- 21 CONTRACTOR SHALL PROPERLY DISPOSE OF ALL SPOIL AT NO ADDITIONAL COST TO THE DISTRICT.
- 22 PAYMENT FOR BEDDING, BACKFILL AND COMPACTION SHALL BE INCLUDED IN THE UNIT PRICE FOR ALL SANITARY SEWER RELATED BID ITEMS, COMPLETE IN PLACE.
- 23 THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS REQUIRED AND SHALL BE TOTALLY RESPONSIBLE FOR PROVIDING ALL PUMPS, CONDUITS, PLUGS AND OTHER EQUIPMENT TO DIVERT THE FLOW OF SEWAGE AS REQUIRED TO CONSTRUCT THE PROPOSED SANITARY SEWER. THE CONTRACTOR SHALL ONLY PUMP FLOW INTO OTHER SANITARY SEWER MANHOLES AS APPROVED BY THE DISTRICT. THE PUMPING SYSTEM SHALL HAVE SUFFICIENT CAPACITY TO HANDLE THE EXISTING FLOW PLUS ANY ADDITIONAL FLOW THAT MAY OCCUR DURING PEAK FLOW PERIODS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT INSPECTION PERSONNEL TO ENSURE THAT SURCHARGING AND BACKUPS DO NOT OCCUR ON PUBLIC OR PRIVATE PROPERTY. IF PUMPING IS REQUIRED ON A 24 1/2 HOUR BASIS, THE EQUIPMENT SUPPLIED SHALL BE EQUIPPED TO MINIMIZE NOISE TO A LEVEL OF NINETY DECIBELS (90 DB) OR LESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE CURRENT LEVEL OF SERVICE TO ALL PROPERTIES AND LIABLE FOR ANY DAMAGE CAUSED BY SEWER BACK-UPS RESULTING FROM THIS PROJECT. ALL PLUGS OR BLOCKING SHALL BE RESTRAINED TO ENSURE THAT THEY CANNOT BE WASHED DOWNSTREAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN UP, REPAIR, RESTORATION OF DAMAGED PROPERTY AND ANY COSTS AND CLAIMS RESULTING FROM SEWAGE BACKUPS. PAYMENT FOR BYPASS PUMPING SHALL BE INCLUDED IN THE UNIT PRICE FOR ALL SANITARY SEWER RELATED BID ITEMS, COMPLETE IN PLACE.
- 24 SANITARY SEWER REMOVAL SHALL CONSIST OF REMOVING EXISTING VITRIFIED CLAY SANITARY SEWER. THE EXISTING SANITARY SEWER PIPE SHALL BE REMOVED COMPLETELY AND DISPOSED OF PER SECTION 202.03 OF THE I.D.O.T. STANDARD SPECIFICATIONS. PAYMENT FOR REMOVE SANITARY SEWER SHALL BE INCLUDED IN THE UNIT PRICE FOR ALL SANITARY SEWER RELATED BID ITEMS, COMPLETE IN PLACE.
- 25 CONTRACTOR SHALL USE ALL MEANS AT HIS DISPOSAL TO MAINTAIN A DRY TRENCH TO THE SATISFACTION OF THE DISTRICT. GROUND WATER WILL NOT BE ALLOWED TO BE PUMPED ON EXISTING GROUND SURFACES OR PAVEMENTS WHERE IT MAY CAUSE A TRAFFIC NUISANCE, OR INTO EXISTING SANITARY SEWERS; IT SHALL BE DISCHARGED TO A POINT ACCEPTABLE TO THE DISTRICT, WITH ALL EROSION CONTROL SPECIFICATIONS TAKEN INTO ACCOUNT, ANY PERMITS REQUIRED TO PERFORM DEWATERING WORK ON THIS PROJECT SHALL BE SECURED BY THE CONTRACTOR. DEWATERING WELL POINTS SHALL REQUIRE PERMITS ISSUED BY THE WINNEBAGO COUNTY DEPARTMENT OF PUBLIC HEALTH. IF GENERATORS ARE REQUIRED TO RUN ON A 24-HOUR BASIS, THEY SHALL BE EQUIPPED WITH AN ADEQUATE MUFFLER AND PROPERLY MAINTAINED TO PREVENT NOISE TO A LEVEL OF 90 DB OR LESS. PAYMENT FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICE FOR ALL SANITARY SEWER RELATED BID ITEMS, COMPLETE IN PLACE.
- 26 GENERAL LOCATION OF SEWER IS GOVERNED BY EXISTING OBSTRUCTIONS IN THE FIELD. MINOR VARIATIONS IN LOCATION MAY BE MADE AFTER APPROVAL BY DISTRICT TO FACILITATE CONSTRUCTION OPERATIONS.
- 27 FINAL INSPECTION, TESTING AND ACCEPTANCE TESTS SHALL BE IN ACCORDANCE WITH GENERAL PROVISIONS AND TECHNICAL SPECIFICATIONS FOR SANITARY SEWER CONSTRUCTION AND THE REQUIREMENTS OF THE ROCK RIVER WATER RECLAMATION DISTRICT. LOW PRESSURE AIR TESTING SHALL BE PERFORMED ON ALL NEW SANITARY SEWER LINES, AND SHALL USE AN ALLOWABLE PRESSURE DROP OF 0.5 PSIG. ALL FLEXIBLE SEWER PIPE SHALL BE DEFLECTION TESTED. DEFLECTION SHALL NOT EXCEED 5% OF BASE I.D. INDICATED IN THE APPLICABLE ASTM STANDARD. THE FINAL DEFLECTION TEST SHALL NOT BE MADE UNTIL ALL THE BACKFILL HAS BEEN IN-PLACE FOR A MINIMUM OF THIRTY (30) DAYS.
- 28 NOTE: LOW PRESSURE AIR TESTING OF SEWER MAIN WITH LIVE SERVICE CONNECTIONS AND SANITARY SEWER MAIN LINE REPAIRS WILL NOT BE REQUIRED. LIVE SEWERS AND MAIN LINE REPAIRS SHALL BE TELEVISED BY THE DISTRICT FOR FINAL ACCEPTANCE. CONTACT TERRY STOLL AT (815) 543-7983 TO SCHEDULE TELEVISING. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED.
- 29 ALL NEW SANITARY SEWER MANHOLES SHALL BE VACUUM TESTED PER ASTM C1244 1/32 STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE PRESSURE (VACUUM) TEST 1/32 PRIOR TO PLACING INTO SERVICE.

ROCK RIVER WATER RECLAMATION DISTRICT	USER NAME = BOB FREY	DESIGNED MKR	REVISED 07/10/2012 BPF	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SANITARY SEWER GENERAL NOTES IL RTE 2		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN BPF	REVISED 07/16/2012 BPF				742	(32, 33) R-1	WINNEBAGO	705	335
	PLOT SCALE = AS NOTED	CHECKED DLC	REVISED 10/02/2012 BPF				CONTRACT NO. 64821				
	PLOT DATE = 07/16/2012	DATE 04/20/2012	REVISED 11/28/2012 BPF		SCALE: N/A	SHEET NO. 335 OF 705 SHEETS	ILLINOIS FED. AID PROJECT				