

GENERAL NOTES - WATER MAIN

1. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 5TH EDITION, DATED MAY 1996, SHALL GOVERN THE CONSTRUCTION OF THE PROPOSED WORK EXCEPT AS NOTED ON THE PLAN SHEETS.
2. THE WATER MAIN SHALL BE CONSTRUCTED WITH A MINIMUM OF THREE FEET SIX INCHES (3'-6") OF COVER TO TOP OF MAIN.
3. ANY FIELD TILE ENCOUNTERED AND DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AND THE EXCAVATION BACKFILLED WITH SELECTED GRANULAR BACKFILL MATERIAL AS SHOWN ON SHEET C5.02 "BACKFILL DETAILS".
4. ALL WATER MAINS SHALL BE SEPARATED FROM DRAINS, SANITARY AND STORM SEWERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.
5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS SHOWN ON THE PLANS PRIOR TO BEGINNING CONSTRUCTION.
6. THE CONTRACTOR SHALL USE RESTRAINED JOINTS, INSTALL FITTINGS AND VALVES IN ACCORDANCE WITH SHEET C5.01 "WATERMAIN DETAILS" AS AN ALTERNATIVE TO CONCRETE THRUST BLOCKING. USE OF THRUST BLOCKING MUST BE APPROVED IN ADVANCE BY THE ENGINEER.
7. ALL TESTING AND DISINFECTION OF WATERMAINS SHALL BE CONDUCTED IN THE PRESENCE OF THE ENGINEER AND ILAW PROJECT REPRESENTATIVES AND IN ACCORDANCE WITH THE ILLINOIS AMERICAN WATER COMPANY STANDARD PROCEDURE.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER (217-352-4169) AND ILLINOIS AMERICAN WATER COMPANY 24 HOURS PRIOR TO THE START OR RE-START OF CONSTRUCTION OF WATERMAIN.
9. MISCELLANEOUS REQUIRED WATERMAIN APPURTENANCES ARE NOT SHOWN ON THE PLAN DRAWINGS. ALL MISCELLANEOUS WATERMAIN APPURTENANCES ARE TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
10. ALL NEW WATERMAIN CROSSINGS UNDERNEATH AN EXISTING STORM OR SANITARY SEWER MUST HAVE A CLEAR DISTANCE OF AT LEAST 18-INCHES AND IF THE STORM OR SANITARY SEWER IS NOT CONSTRUCTED OF WATERMAIN QUALITY PIPE, EITHER THE SEWER OR WATERMAIN MUST BE CASED IN A WATERMAIN QUALITY CASING FOR A CLEAR DISTANCE OF 10 L.F. EITHER SIDE OF THE CROSSING, IN ACCORDANCE WITH 35 IAC 651-654.
11. ALL LIVE TAPS WILL BE MADE BY ILAW. THE TAPPING SLEEVE, TAPPING VALVE AND VALVE BOX WILL BE PROVIDED BY ILAW. THE CONTRACTOR WILL EXCAVATE, PROVIDE SHORING IF NEEDED AND HAVE THE HOLE READY FOR ILAW TO MAKE THE TAP. THE CONTRACTOR WILL GIVE ILAW 24 HOURS NOTICE BEFORE TAP IS NEEDED SO ILAW CAN CHECK THE SPACE LIMITATIONS OF THE HOLE AND PLAN THE TAP. ILAW NEEDS TO HAVE A MINIMUM OF 6' OF CLEARANCE BETWEEN THE EDGE OF THE PIPE AND THE BANK OF THE HOLE FOR THE TAPPING MACHINE.

EXISTING WATERMAIN SHUT-OFF

1. WATERMAIN TO BE INSTALLED AS PART OF THIS CONTRACT WILL REPLACE A TRANSMISSION MAIN CURRENTLY SERVING THE VILLAGE OF ST. JOSEPH. THERE ARE NO OTHER PIPELINES SERVING THE VILLAGE OF ST. JOSEPH. SERVICE INTERRUPTION THROUGHOUT THE COURSE OF THIS PROJECT THEREFORE CANNOT BE TOLERATED.
2. FOLLOWING INSTALLATION, THE NEW WATERMAIN SHALL BE FLUSHED, DISINFECTED, TESTED, AND PLACED INTO SERVICE FOLLOWING THE NORMAL PROCEDURES AS DESCRIBED IN THE SPECIFICATIONS.
3. AFTER THE NEW WATERMAIN HAS BEEN PLACED INTO SERVICE, THE EXISTING MAIN MUST BE CUT AND CAPPED TO ALLOW FOR ITS DEMOLITION DURING EARTHWORK.
4. IN ORDER TO CUT AND CAP THE EXISTING MAIN WITHOUT CAUSING SERVICE INTERRUPTION, CONCRETE DEAD MEN AND TEMPORARY LINE STOPS MUST BE INSTALLED IN BETWEEN THE INSTALLED TAPPING SLEEVES AND THE EXISTING PIPE THAT WILL BE REMOVED. SEE SHEET C5.03 FOR DETAILS.

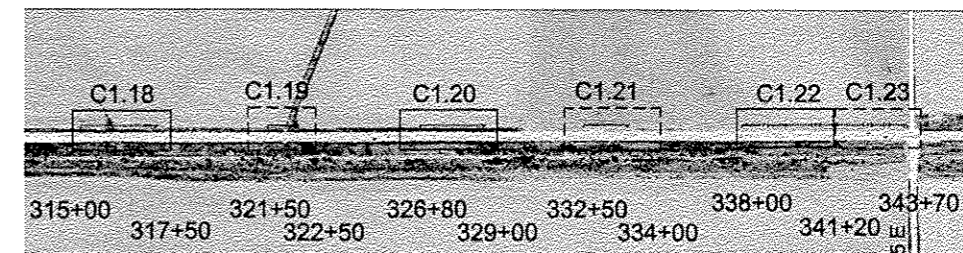
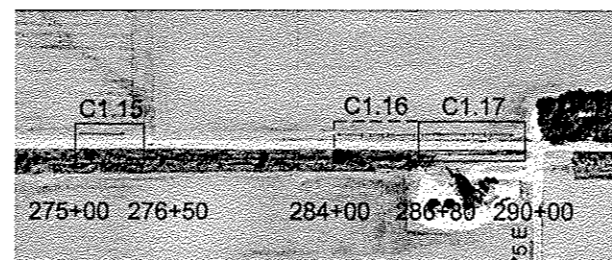
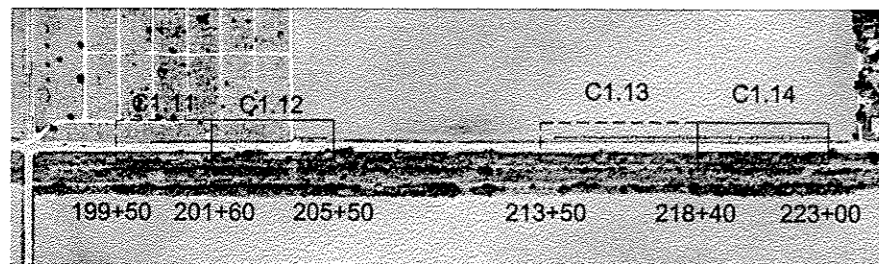
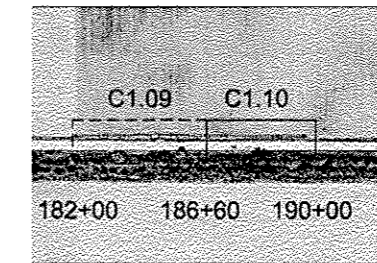
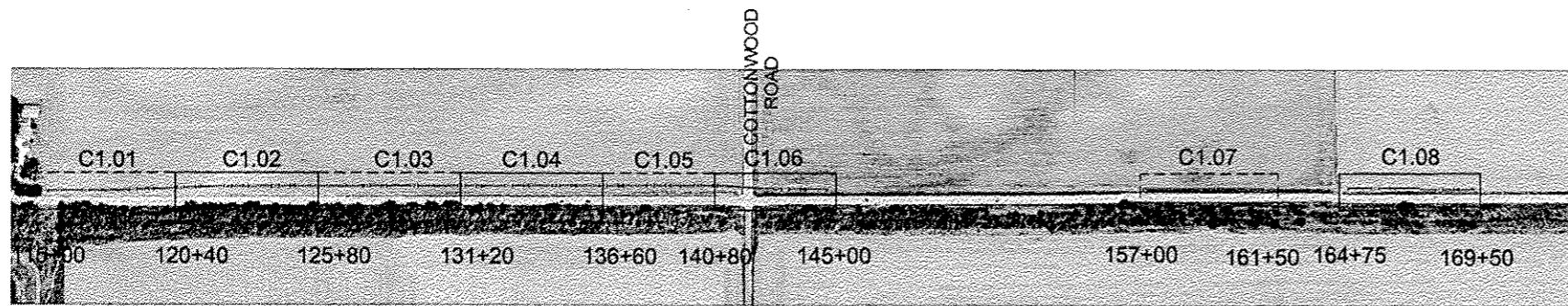
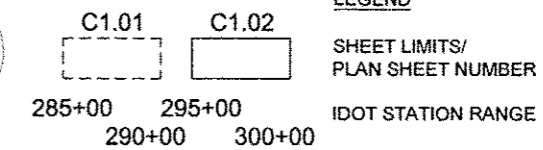
COORDINATION OF CONTRACT DOCUMENTS

1. WATERMAIN SHALL BE INSTALLED AS PART OF IDOT CONTRACT NO. 70663. SEE IDOT CONTRACT FOR REQUIREMENTS REGARDING TRAFFIC CONTROL, EROSION CONTROL, ENGINEER'S RESPONSIBILITY AND AUTHORITY, STORMWATER POLLUTION AND PREVENTION, AND MEASUREMENT AND PAYMENT.

GENERAL NOTES - ESTIMATED SCHEDULE OF QUANTITIES

1. A SCHEDULE OF QUANTITIES HAS BEEN PROVIDED TO ASSIST THE CONTRACTOR IN PREPARING HIS BIDS, AND DOES NOT PURPORT TO BE INDICATIVE OF ALL NECESSARY MATERIALS AND/OR QUANTITIES TO COMPLETE THE PROJECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING HIS OWN OPINION OF PROJECT MATERIALS, QUANTITIES, AND COST.

ESTIMATED SCHEDULE OF QUANTITIES - ROUTE 150		
ITEM	UNIT	QTY
12" DIP WATERMAIN		
OPEN CUT - METHOD 1	LF	8,258
OPEN CUT - BACKFILL METHOD 5	LF	135
OPEN CUT - 12" DIP TR FLEX	LF	162
OPEN CUT - 18" STEEL CASING PIPE	LF	162
OPEN CUT - 18" PVC CASING PIPE	LF	23
12" TAPPING SLEEVE WITH VALVE	EA	26
12" TEE, MJ	EA	13
12" 90° BEND, MJ	EA	29
12" 45° BEND, MJ	EA	14
12" GATE VALVE, MJ	EA	4
12" CAP, MJ	EA	26
12" DI SPLIT ADAPTOR FLANGE	EA	26
12" X 6" TEE, MJ	EA	2
6" GATE VALVE, MJ	EA	2
6" DIP RESTRAINED	EA	2
HYDRANT ASSEMBLY	EA	2
VALVE BOX	EA	32
CONCRETE DEAD MAN	EA	26
LINE STOP	EA	26
2" CORP	EA	13
2" COPPER PIPE	LF	65



SHEET LAYOUT - ROUTE 150 WATERMAIN RELOCATION BETWEEN URBANA AND ST. JOSEPH

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**ROUTE 150 WATERMAIN RELOCATION
 BETWEEN URBANA AND ST. JOSEPH
 ILLINOIS AMERICAN WATER COMPANY
 IDOT CONTRACT NO. 70663**

URBANA, ILLINOIS
 CHAMPAIGN COUNTY

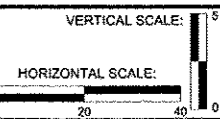
NO.	BY	DATE	DESCRIPTION
1	MAJ	2013-10-17	IDOT REQUESTED REVISIONS
2	MAJ		
3	MAJ		
4	MAJ		

RECORD DRAWING OF COMPLETED CONSTRUCTION BY
 RECORD DRAWINGS OF COMPLETED CONSTRUCTION
 CONFORMING TO CONTRACTOR AND/OR OWNERS RECORDS
 BY DATE

Date of Preparation: July 17, 2013

BY	DATE
SURVEYED	FOTH 07-13-2013
DRAWN	WJH 07-17-2013
DESIGNED	MAJ 07-17-2013
CHECKED	MAJ 07-17-2013

GENERAL NOTES AND SUMMARY OF QUANTITIES



PROJECT ID 11013

G0.03
 SHEET 3 OF 29