

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2012; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD; THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", SSTCI), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ALL WORK SHALL BE PREFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND GOVERNMENT AGENCY REGULATIONS AND RULES; AUTHORITIES HAVING JURISDICTION; OSHA REGULATIONS AND RULES; AND ANY APPLICABLE RULES AND REGULATIONS OF THE STATE OF ILLINOIS OR COOK COUNTY AGENCIES. FURTHERMORE, AND AS RELATED TO THE WORK, THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON THE SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD.

SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK: THE BIDDER ACKNOWLEDGES THAT IT HAS TAKEN STEPS REASONABLY NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF THE WORK, AND THAT IT HAS INVESTIGATED AND SATISFIED ITSELF AS TO THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR ITS COSTS, INCLUDING BUT NOT LIMITED TO (1) CONDITIONS BEARING UPON TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS; (2) THE AVAILABILITY OF LABOR, WATER, ELECTRIC POWER AND ROADS; (3) UNCERTAINTIES OF WEATHER, RIVER STAGES, TIDES, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE; (4) THE CONFORMATION AND CONDITIONS OF THE GROUND; AND (5) THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRELIMINARY TO AND DURING WORK PERFORMANCE. THE BIDDER ALSO ACKNOWLEDGES THAT IT HAS SATISFIED ITSELF AS TO THE CHARACTER, QUALITY AND QUANTITY OF SURFACE AND SUBSURFACE MATERIALS OR OBSTACLES TO BE ENCOUNTERED INSOFAR AS THIS INFORMATION IS REASONABLY ASCERTAINABLE FROM AN INSPECTION OF THE SITE, INCLUDING ALL EXPLORATORY WORK DONE, IF ANY, AS WELL AS FROM THE DRAWINGS AND SPECIFICATIONS MADE A PART OF THE BIDDING DOCUMENTS. ANY FAILURE OF THE BIDDER TO TAKE THE ACTIONS DESCRIBED AND ACKNOWLEDGED IN THIS PARAGRAPH WILL NOT RELIEVE THE BIDDER FROM RESPONSIBILITY FOR ESTIMATING PROPERLY THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK, OR FOR PROCEEDING TO SUCCESSFULLY PERFORM THE WORK WITHOUT ADDITIONAL EXPENSE TO THE CONTRACT.

CHRISTOPHER B. BURKE ENGINEERING, LTD. ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS OR INTERPRETATIONS MADE BY THE BIDDER BASED ON INFORMATION MADE AVAILABLE BY CHRISTOPHER B. BURKE ENGINEERING, LTD. OR THE CITY OF THE PROJECT. NOR DOES THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE VILLAGE OF ROSEMONT, OR CHRISTOPHER B. BURKE ENGINEERING, LTD. ASSUME RESPONSIBILITY FOR ANY UNDERSTANDING REACHED OR REPRESENTATION MADE CONCERNING CONDITIONS WHICH CAN AFFECT THE WORK BY ANY OF ITS OFFICERS OR AGENTS BEFORE THE ACCEPTANCE OF THE BID OFFER AND EXECUTION OF THE CONTRACT, UNLESS THAT UNDERSTANDING OR REPRESENTATION IS EXPRESSLY STATED IN THE CONTRACT.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE OF ROSEMONT IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE CITY MAY WANT TO PLACE DURING THE CONTRACTOR'S OPERATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATERMAIN CONDUITS AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF ROSEMONT. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

STAKING

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR WATERMAIN CONDUITS, STRUCTURES, ETC., ARE FROM THE PROPOSED CENTERLINE OF MANNHEIM ROAD.

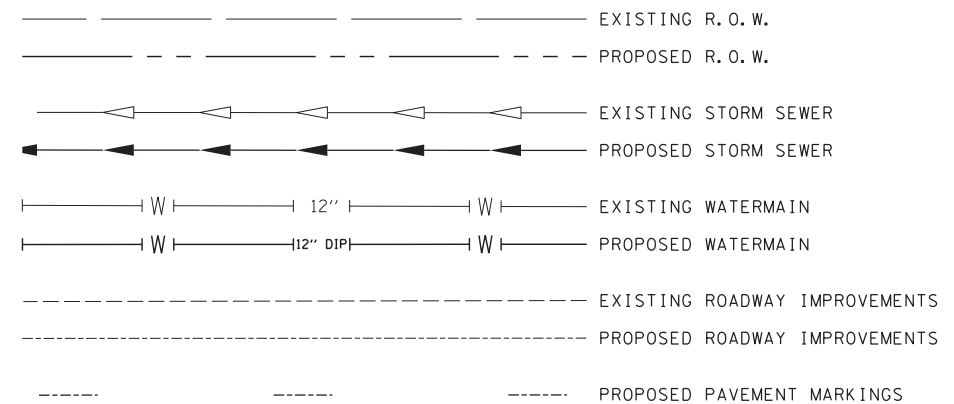
MISCELLANEOUS

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

WATERMAIN CONSTRUCTION NOTES

- SEWER TESTING AND ACCEPTANCE: ALL NEW SEWERS AND MANHOLES SHALL BE TESTED FOR LEAKAGE AND DEFLECTION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS. ALL SEWER PIPING SHALL BE TESTED FOR LEAKAGE BY MEANS OF A LOW PRESSURE AIR TEST. DEFLECTION TESTING SHALL NOT BE PERFORMED SOONER THAN 30 DAYS AFTER INSTALLATION IS COMPLETE.
- ALL WATERMAINS SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) CLASS 52 CONFORMING TO ANSI A21.51/AWWA C151 WITH PUSH-ON JOINTS CONFORMING TO ANSI A21.11/AWWA C111. ALL FITTINGS SHALL BE MECHANICAL JOINT AND IRON OR DUCTILE IRON CONFORMING TO ANSI A21.53/AWWA C153 AND ANSI A21.4/AWWA C104.
- WHEREVER A SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, THE WATERMAIN KEEPS A MINIMUM 18" VERTICAL SEPARATION OVER THE SEWER; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION (WATER MAIN OVER SEWER) IN ACCORDANCE WITH SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORK. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS. SUCH SEWER MUST BE DUCTILE IRON PIPE AS SPECIFIED IN THE SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. THIS PIPE WILL BE PAID FOR AS "STORM SEWER (WATER MAIN REQUIREMENTS)".
- A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THESE SEWER OR DRAIN AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED WHERE A WATERMAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATERMAIN, AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONSTRUCT WATERMAIN ESSENTIALLY TO THE LINES AND GRADES AS SHOWN ON THE PLAN DRAWINGS. WATERMAIN DEPTH SHALL ACCOMMODATE CONSTRUCTION OF MAIN DRAIN SEWERS AND SEWER LATERALS IN SUCCESSIVE STAGES OF THIS CONTRACT. THE PLANS IDENTIFY THE LOCATIONS WHERE WATERMAIN DEPTH IS CONTROLLED BY INVERTS OF THE STORM SEWER SYSTEM. THE CONTRACTOR WILL NOT BE ALLOWED TO SHALLOW UP THE WATERMAIN BETWEEN IDENTIFIED DEPTH CONTROL LOCATIONS BY EXCESSIVE DEFLECTION OF WATERMAIN PIPE AT JOINTS OR BY INSTALLING ADDITIONAL FITTINGS NOT SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE OF ROSEMONT.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT, OR RECONSTRUCTION COST.
- ALL TRENCH BACKFILL QUANTITIES FOR WATERMAINS HAVE BEEN COMPUTED AND WILL BE PAID FOR IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS. THE TRENCH WIDTH USED FOR PAYMENT SHALL NOT EXCEED THAT ALLOWED BY THE SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

WATERMAIN PLAN LEGEND



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		DRAWN <i>PM</i>	REVISED -		330	0105-WRS	COOK	537	195			
	PLOT SCALE = N/A	CHECKED <i>MW</i>	REVISED -		CONTRACT NO. 60P35							
	PLOT DATE = 10/2/2012	DATE <i>10/19/2012</i>	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		