

WATERMAIN NOTES

1. ADDISON WATER DEPARTMENT IS SOLEY RESPONSIBLE FOR OPENING OR CLOSING ALL WATER VALVES. ANY INTERRUPTION IN WATER SERVICE MUST BE APPROVED BY THE VILLAGE OF ADDISON IN WRITING PRIOR TO BEGINNING ANY WORK. REQUESTS TO SHUT OFF WATER MUST INCLUDE THE DATE, TIMES AND LOCATIONS OF SERVICE INTERRUPTION. REQUESTS MUST BE MADE IN WRITING AND BE RECEIVED 48 HOURS IN ADVANCE OF THE SCHEDULED SHUT DOWN. REJECTION OF A SERVICE INTERRUPTION REQUEST WILL NOT CONSTITUTE ANY CHANGE IN PRICES FOR CONTRACT WORK, NOR WILL IT BE CAUSE FOR ADDITIONAL COMPENSATION.
2. THE STANDARD SPECIFICATIONS FOR WATER MAIN AND SEWER MAIN CONSTRUCTION SHALL BE MET REGARDING VERTICAL AND HORIZONTAL SEPARATION OF WATER MAINS WITH STORM AND SANITARY SEWERS.
3. HORIZONTAL AND VERTICAL CLEARANCES BETWEEN UTILITIES SHALL BE VERIFIED IN THE FIELD WHEN DIRECTED BY THE ENGINEER. THE ENGINEER MAY ELECT TO OMIT RELOCATIONS OR REMEDIAL MEASURES IF THE MINIMUM CLEARANCES, AS SPECIFIED BY THE SPECIFICATIONS, ARE MET. OMISSION OF THIS TYPE SHALL NOT CONSTITUTE ANY ADDITIONAL PAYMENT TO THE CONTRACTOR.
4. INFORMATION ON THE PLANS REGARDING UNDERGROUND UTILITIES IS TAKEN FROM THE BEST AVAILABLE RECORDS, BUT IS NOT REPRESENTED AS BEING ENTIRELY CORRECT OR COMPLETE. THE CONTRACTOR SHALL NOTIFY OPERATING AGENCY IN ADVANCE OF CROSSING OVER OR UNDER ANY UTILITIES SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY OPERATING AGENCY AND ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS.
5. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE TO HAVE ALL UNDERGROUND UTILITIES INCLUDING WATER, GAS ELECTRIC, STORM SEWER, SANITARY SEWER, TELEPHONE AND CABLE TV LOCATED AND SUITABLY MARKED. SHOULD A UTILITY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED AT ONCE. IF UTILITIES INTERFERE WITH THE CONSTRUCTION ALIGNMENT, THEY SHALL BE PROTECTED AT NO ADDITIONAL EXPENSE TO THE OWNER AND WITHOUT CLAIM BY THE CONTRACTOR FOR DELAYS DUE TO UTILITY LINES ENCOUNTERED.
6. ALL NEW DUCTILE IRON PIPE SHALL BE POLYETHYLENE WRAPPED.
7. ALL INFORMATION ON LOCATIONS OF UTILITIES WERE TAKEN FROM PREVIOUSLY COMPLETED PLANS AND ARE SUBJECT TO VERIFICATION IN THE FIELD.
8. DUCTILE IRON PIPE FOR WATERMAIN SHALL BE CLASS 52 AND CONFORM TO AWWA C111, C600, AND ASTM 377. JOINTS FOR 12 INCH (MAIN LINE) PIPE SHALL BE MECHANICAL OR PUSH ON JOINTS. HYDRANT LEADS AND MAINS EXTENDING NORTH OR SOUTH FROM THE MAIN LINE SHALL HAVE JOINTS RESTRAINED WITH "FIELD-LOCKING" GASKETS. ALL FITTINGS, TO INCLUDE TRANSITION SLEEVES AND APPURTANCES USED FOR CONNECTING TO EXISTING PIPE, SHALL BE MECHANICAL JOINT RESTRAINED. ADDITIONALLY, ALL FITTINGS SHALL BE MECHANICAL JOINT RESTRAINED WITH MEGALUGS. THAT DEFLECT FLOW 11 1/2" OR MORE SHALL ALSO BE THRUST BLOCKED.
9. COPPER SERVICES SHALL BE A CONTINUOUS RUN OF COPPER FROM CORPORATION STOP TO CURB STOP. NO FITTINGS.
10. CONTRACTOR SHALL RESTRICT HIS OPERATIONS TO PROPERTY, EASEMENTS, AND RIGHT OF WAY SHOWN ON PLANS.
11. CONTRACTOR SHALL REGULARLY CLEAN THE SITE THROUGHOUT THE COURSE OF THE WORK. CLEANUP SHALL INCLUDE STREET SWEEPING AND THE REMOVAL OF ALL EXCESS MATERIAL AND DEBRIS.
12. ALL FIRE HYDRANT AUXILIARY GATE VALVES AND BOXES SHALL BE INSTALLED OUTSIDE OF PAVED AREAS, BUT WITHIN R.O.W.
13. HYDRANTS SHALL USE REGULAR TEES, HYDRANT LOCKING TEES WILL NOT BE PERMITTED.

PHASING NOTES

1. INSTALL NEW MAIN, PRESSURE TEST CHLORINATE AND PLACE INTO SERVICE. LEAVE EXISTING MAIN IN SERVICE.
2. WITH BOTH MAINS IN SERVICE, EXTEND NEW SERVICE LINES TO B-BOX.
3. CONNECT NEW SERVICE AND ABANDON EXISTING SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH RESIDENTS.
4. ABANDON EXISTING MAIN BY CUTTING, REMOVING HYDRANTS.
5. FILL ABANDONED MAIN WITH CONTROLLED LOW STRENGTH MATERIAL.
6. ABANDONED WATERMAIN SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL AND THE ENDS WITH A MINIMUM OF 3 CUBIC FEET OF CONCRETE.

LEGEND

(PERTAINING TO WATERMAIN PLAN & PROFILE SHEETS)

<p>----- PROPOSED SANITARY SEWER</p> <p>----- PROPOSED DUCTILE IRON PIPE WATERMAIN</p> <p>----- EXISTING WATERMAIN</p> <p>----- EXISTING OVERHEAD ELECTRICAL</p> <p>----- EXISTING TELEPHONE LINE</p> <p>----- EXISTING CABLE TV LINE</p> <p>----- EXISTING SANITARY SEWER</p> <p>----- EXISTING STORM SEWER</p> <p>----- EXISTING DUPAGE WATER COMMISSION WATERMAIN</p> <p>----- EXISTING TRAFFIC SIGNAL CABLE</p> <p>----- EXISTING GAS MAIN</p> <p>○ EXISTING MANHOLE SEWER</p> <p>○SAN EXISTING SANITARY MANHOLE</p> <p>○SS EXISTING STORM SEWER MANHOLE</p> <p>○WVV EXISTING WATER VALVE</p> <p>○BB EXISTING BUFFALO BOX</p> <p>○ EXISTING FIRE HYDRANT</p> <p>■ EXISTING INLET</p> <p>■ EXISTING TRAFFIC SIGNAL VAULT</p>	<p>⊕ EXISTING TRAFFIC SIGNAL</p> <p>⊖ EXISTING POWER POLE</p> <p>⊙ EXISTING TREE</p> <p>⊥ EXISTING SIGN</p> <p>⊗ EXISTING STREET LIGHT</p> <p>⊗T EXISTING TELEPHONE PEDESTAL</p> <p>⊗ EXISTING EVERGREEN</p> <p>○WV EXISTING VALVE BOX</p> <p>● PROPOSED FIRE HYDRANT</p> <p>○WV PROPOSED VALVE BOX</p> <p>● PROPOSED GATE VALVE</p> <p>[FHR] FIRE HYDRANT REMOVAL</p> <p>[VVR] VALVE VAULT REMOVAL</p> <p>[VBR] VALVE BOX REMOVAL</p>
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BILL OF MATERIALS

PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
	TRENCH BACKFILL	CU YD	9201
	WATER MAIN 6"	FOOT	1485
	WATER MAIN 8"	FOOT	965
	WATER MAIN 10"	FOOT	946
	WATER MAIN 12"	FOOT	7343
	POLYETHYLENE ENCASEMENT	FOOT	10739
	WATER SERVICE LINE 1"	FOOT	229
	WATER SERVICE LINE 1 1/2"	FOOT	209
	WATER SERVICE LINE 2"	FOOT	70
	FIRE HYDRANTS TO BE REMOVED	EACH	14
	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	17
	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	19
	VALVE BOXES 6"	EACH	6
	VALVE BOXES 12"	EACH	4
	VALVE VAULTS TO BE REMOVED	EACH	19
	VALVE BOXES TO BE REMOVED	EACH	5
	CURB STOPS 1"	EACH	4
	CURB STOPS 1-1/2"	EACH	2
	CURB STOPS 2"	EACH	1
	GATE VALVES, 6"	EACH	10
	GATE VALVES, 8"	EACH	5
	GATE VALVES, 10"	EACH	1
	GATE VALVES, 12"	EACH	12
	CURB BOX	EACH	7
	CASING PIPE 24"	FOOT	140

F.A.U. RTE. 3537	SECTION 5Y-R-4	COUNTY DUPAGE	TOTAL SHEETS 392	SHEET NO. 154
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT NO. 62295				

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		WATERMAIN REPLACEMENT LEGEND, NOTES AND BILL OF MATERIALS US ROUTE 20 (LAKE STREET)
SCALE: N/A		DRAWN BY: JRH
DATE: 03/01/05		CHECKED BY: RFS

△ Revised 6/3/05