

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WR-6	LAKE	318	93
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

WATER MAIN RELOCATION															
Station	to	Station	Fire Hydrants to be Moved	Fire Hydrant w/ Auxiliary Valve & Valve Box	Domestic Water Service Boxes to be Moved	Valve Vaults to be Adjusted	Valve Vaults to be Removed	Valve Boxes to be Adjusted	Valve Boxes to be Removed	Trench Backfill	Exploration Trench, Special	Ductile Iron Water Main 150MM	Ductile Iron Water Main 200MM	Ductile Iron Water Main 300MM	
			56400100	56400820	56500200	60265700	60266500	60266600	60266910	M2080150	M2130010	M5610415	M5610420	M5610430	
			Each	Each	Each	Each	Each	Each	Each	Cu M	Meter	Meter	Meter	Meter	
ILLINOIS ROUTE 22															
STA	10+200	to	STA	10+450	2	1			0	0	2	63.7	7.0	0.0	225.0
STA	10+450	to	STA	10+750	1	0			0	0	0	66.0	4.5	3.0	210.2
STA	10+750	to	STA	11+100	1		2								
STA	11+100	to	STA	11+450	0	2			4	1	0	49.2	10.1	0.0	206.8
STA	11+450	to	STA	11+800			1								
PROJECT CONTINGENCY											30.0	30.0			
TOTAL =			4	3	1	2	4	1	2	178.9	30.0	51.6	3.0	642.0	

WATER MAIN RELOCATION										
Station	to	Station	Water Valves 150MM	Water Valves 300MM	Water Service Line, 25MM	Valve Vaults, Type A, 1.5M Diameter, Type 1 Frame Closed Lid	Valve Boxes 150MM	Steel Casings 550MM	Steel Casings 550MM Augered & Jacked	
			M5610635	M5610650	M5620115	M6024410	M6024520			
			Each	Each	Each	Each	Each	Meter	Meter	
ILLINOIS ROUTE 22										
STA	10+200	to	STA	10+450	2	1	1	2	14.0	0.0
STA	10+450	to	STA	10+750	1	1	1	1	25.0	0.0
STA	10+750	to	STA	11+100						
STA	11+100	to	STA	11+450	0	3	3	0	8.0	30.2
STA	11+450	to	STA	11+800						
PROJECT CONTINGENCY					42.0					
TOTAL =			3	5	42.0	5	3	47.0	30.2	

- CORPORATION COCKS AND 1" COPPER LINES FOR THE CHLORINATION AND SAMPLING SHALL BE INSTALLED AT LOCATIONS DETERMINED BY THE VILLAGE UTILITIES DIVISION.
- CHLORINATION WILL NOT BE PERFORMED ON WATER SERVICE LINES UNTIL FIRST ALL PERMANENT WATER VALVES ARE INSTALLED.
- WATER MAIN MATERIALS SHALL BE AS FOLLOWS:
  - PIPE: CLASS 52 DUCTILE IRON, BITUMINOUS COATED & CEMENT LINED, MEGALUGS SERIES 1100 REQUIRED AT ALL FITTINGS. WRAPPING THE WATERMAIN WITH POLYETHYLENE FILM IS NOT PERMITTED.
  - BEDDING: WELL COMPACTED. WASHED, 1/4" TO 3/4" CRUSHED STONE, CA-7, TO 12" OVER THE TOP OF PIPE.
  - FIRE HYDRANTS: CLOW MEDALLION, 5/4", WITH AUXILIARY VALVE  
KENNEDY GUARDIAN, 5/4" WITH AUXILIARY VALVE  
MUELLER CENTURION A-423 WITH AUXILIARY VALVE  
5/4" THREE-WAY (2 HOSE NOZZLES AND 1 PUMPER NOZZLE)  
PAINTED SAFETY RED
  - VALVES: CLOW, AMERICAN FLOW CONTROL  
KENNEDY RESILIENT WEDGE  
AMERICAN FLOW CONTROL AFC SERIES 500 NRS  
RESILIENT WEDGE VALVE UL/FM GENERAL  
MUELLER RESILIENT WEDGE VALVE  
NON-RISING STEM, MECHANICAL JOINT
  - CAST IRON FRAMES & LIDS: NEENAH TYPE 1, SELF SEALING, MARKED "WATER"
  - CASING: MANUFACTURED PIPE CHOCKS MUST BE USED BETWEEN THE PIPE AND CASING  
PEA GRAVEL MUST BE JETTED THROUGH THE CASING, WITH CONCRETE MORTAR ON THE ENDS
  - CORPORATION STOP: MUELLER H-1500-1" SIZE  
AY MCDONALD 4701
  - ROUNDWAY: MUELLER H-15154-1" STOP, MINNEAPOLIS PATTERN  
AY MCDONALD 6104
  - B-BOX: MUELLER H-10300 UPPER SECTION INSIDE DIAMETER 1 1/4"  
MUELLER H-10302 UPPER SECTION INSIDE DIAMETER 1 1/2"
  - SERVICE LINE: 1" TYPE K COPPER
  - TAPPING SADDLE: DOUBLE BANDED STAINLESS STEEL TAPPING SLEEVE WITH CORPORATION STOP
  - HARDWARE: ALL NUTS AND BOLTS BELOW GRADE SHALL BE STAINLESS STEEL

**WATER MAIN NOTES**

- LOCATIONS AND ELEVATIONS FOR PROPOSED WATER MAIN RELOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL LOCATIONS AND ELEVATIONS WITH PROPOSED ROADWAY AND DRAINAGE IMPROVEMENTS AS WELL AS PRIVATE UTILITY RELOCATIONS, SUBJECT TO APPROVAL BY THE VILLAGE.
- ALL EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAIN PRIOR TO REMOVAL OR ABANDONMENT OF THE EXISTING MAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF EXISTING SERVICES AND FOR SEQUENCING THE WORK TO AVOID DISRUPTION OF SERVICE. CONTINGENCY QUANTITIES OF EXPLORATION TRENCH, SPECIAL AND 150mm WATER MAIN HAVE BEEN PROVIDED FOR THIS PURPOSE.
- WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS (FIFTH EDITION), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (IDOT), THE SPECIAL PROVISIONS, AND VILLAGE REQUIREMENTS.
- CONTRACTOR SHALL NOTIFY THE VILLAGE UTILITIES SUPERINTENDENT 48 HOURS PRIOR TO ANY WATER MAIN WORK.
- CONTRACTOR SHALL CONFIRM ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTING.
- SEPARATION OF WATER AND SEWER MAIN SHALL MEET THE REQUIREMENTS OF ARTICLE 41-2 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS.
- ANY DAMAGE TO EXISTING UTILITIES TO REMAIN DONE BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- EXISTING WATER MAINS INDICATED FOR ABANDONMENT OR REMOVAL SHALL BE CAPPED AND ABANDONED IN-PLACE WHEREVER POSSIBLE. ANY WATER MAIN REMOVAL REQUIRED IN ORDER TO CONSTRUCT REPLACEMENT WATER MAIN SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW WATER MAIN.
- ALL WATER MAIN SHALL BE CONSTRUCTED WITH A MINIMUM OF 1.7 m OF COVER TO THE PROPOSED GROUND SURFACE, UNLESS NOTED OTHERWISE.
- WATER MAIN SHALL BE PRESSURE AND LEAKAGE TESTED, DISINFECTED, AND FLUSHED IN ACCORDANCE WITH ARTICLE 41-2 OF THE STANDARD SPECIFICATIONS FOR SEWER & WATER MAIN CONSTRUCTION IN ILLINOIS.
- ALL TESTING AND CONNECTIONS TO THE VILLAGE SYSTEMS SHALL BE WITNESSED BY VILLAGE UTILITY DIVISION PERSONNEL.
- ONCE MAINS ARE TIED TO THE VILLAGE SYSTEM, NO VALVES OR HYDRANTS SHALL BE OPERATED BY ANYONE OTHER THAN VILLAGE UTILITY DIVISION PERSONNEL. ONLY VILLAGE UTILITIES PERSONNEL MAY OPERATE EXISTING WATER VALVES.
- WATER FOR PRESSURE TESTS WILL BE SUPPLIED BY THE VILLAGE UTILITIES DIVISION, BUT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A BACKFLOW PREVENTER OR AN APPROVED ANTI-SIPHON METHOD BEFORE THE PUMP.

BY	DATE
FINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

BY	DATE
ORIGINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS CHECKED	
NO.	

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
E. OF BUESCHING RD TO QUENTIN RD  
SCHEDULES  
WATER MAIN RELOCATION  
DRAWN BY: JHH  
DATE: 3-11-05  
CHECKED BY: WS