

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	19R-1	LAKE	800	358
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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 WATER SERVICE LINE HAVE BEEN PROVIDED FOR THIS PURPOSE. WATER SERVICE SIZES SHALL MATCH THE EXISTING (25 mm MIN).
- 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.
- 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 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

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

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

WATER MAIN REMOVALS and ADJUSTMENTS

Station	to	Station	Fire Hydrants to be Moved	Domestic Water Service Boxes to be Adjusted	Valve Vaults to be Adjusted	Valve Vaults to be Removed	Valve Boxes to be Removed	Filling Valve Vaults
			56400100	56500600	60265700	60266500	60266910	60500405
			Each	Each	Each	Each	Meter	Each
ILLINOIS ROUTE 22								
STA 7+200	to	STA 7+500	0		0	0		0
STA 7+500	to	STA 7+750	1		0	0		0
STA 7+750	to	STA 8+050	2		0	2		2
STA 8+050	to	STA 8+350	3		1	0		1
STA 8+350	to	STA 8+650	3		0	0		0
STA 8+650	to	STA 8+950	0		0	0		0
STA 8+950	to	STA 9+200	2		0	0		0
STA 9+200	to	STA 9+500	1		0	0		0
STA 9+500	to	STA 9+800	1		2	0		4
STA 9+800	to	STA 10+100	4		1	0		5
STA 10+100	to	STA 10+200	1		0	0		0
U.S. ROUTE 12 (RAND ROAD)								
STA 21+150	to	STA 21+423.511						
STA 21+423.511	to	STA 21+700	1		4	0		0
STA 21+700	to	STA 22+000	1		1	0		0
OLD RAND ROAD								
STA 70+835	to	STA 71+000	1		0	0		1
STA 71+000	to	STA 71+200	1		3	0		1
MAIN STREET WEST								
STA 50+000	to	STA 50+200	2		3	1		1
MAIN STREET EAST								
STA 90+000	to	STA 90+280	1		2	0		2
PROJECT CONTINGENCY				10			10	
TOTAL =			25	10	17	3	10	17

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 22
FROM US RTE 12 TO BUESCHING RD
SCHEDULES
WATER MAIN RELOCATION &
GENERAL NOTES
SHEET 4 OF 4

DATE: 08/19/03
DRAWN BY: JJH
CHECKED BY: RS