

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20 WR-6	LAKE	318	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SANITARY SEWER RELOCATION

Station	to	Station	Trench Backfill	Sanitary Manholes, 1.2M Diameter with Frame, Lid, and Chimney Seal	Drop Sanitary Manholes, 1.2M Diameter with Frame, Lid, and Chimney Seal	Sanitary Sewer, Ductile Iron Pipe, 300MM Diameter	Sanitary Sewer 150MM	Sanitary Sewer 200MM	Sanitary Sewer 250MM	Sanitary Sewer 300MM	Sanitary Sewer, Ductile Iron Pipe, 250MM Diameter	Sanitary Sewer, Ductile Iron Pipe, 200MM Diameter Augered	Steel Casings 550MM Augered & Jacked
			M2080150	MX030314	MX030315	MX030393	MZ056800	MZ056900	MZ057000	MZ057100			
			Cu M	Each	Each	Meter	Meter	Meter	Meter	Meter	Meter	Meter	Meter
ILLINOIS ROUTE 22													
STA	10+200	to	STA	10+450	96.4	4	1	0.0	4.5	0.0	239.9	0.0	0.0
STA	10+450	to	STA	10+750	46.5	1	0	0.0	0.0	0.0	0.0	57.0	0.0
STA	10+750	to	STA	11+100	18.3	4	0	0.0	0.0	265.0	0.0	0.0	28.2
STA	11+100	to	STA	11+450	186.1	2	0	0.0	0.0	67.8	0.0	41.7	0.0
STA	11+450	to	STA	11+800	20.8	3	0	50.7	0.0	32.3	0.0	0.0	0.0
PROJECT CONTINGENCY										30.0			
TOTAL =			368.1	14	1	50.7	34.5	365.1	239.9	41.7	57.0	28.2	10.0

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

SANITARY SEWER NOTES

- LOCATIONS AND ELEVATIONS FOR PROPOSED SANITARY SEWER 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 SANITARY SERVICES SHALL BE RECONNECTED TO THE NEW SEWER MAIN PRIOR TO REMOVAL OR ABANDONMENT OF THE EXISTING SEWER. 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 SANITARY SEWER HAVE BEEN PROVIDED FOR THIS PURPOSE.
- SANITARY 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 SANITARY SEWER 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 SANITARY SEWERS INDICATED FOR ABANDONMENT OR REMOVAL SHALL BE PLUGGED AND ABANDONED IN-PLACE WHEREVER POSSIBLE. ANY SANITARY SEWER REMOVAL REQUIRED IN ORDER TO CONSTRUCT REPLACEMENT SEWER SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW SANITARY SEWER.
- MISSION-TYPE COUPLINGS SHALL BE USED TO CONNECT PIPES OF DISSIMILAR MATERIALS.
- SANITARY SEWER SHALL BE LEAKAGE & DEFLECTION TESTED IN ACCORDANCE WITH ARTICLE 31-1.11 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.
- ANY TEMPORARY BYPASS PUMPING REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE NEW SANITARY SEWER.
- SANITARY SEWER MATERIALS SHALL BE AS FOLLOWS:

PIPE
 PVC: SDR-26 (DEPTHS TO 5m) OR SDR-18 (DEPTHS OVER 5m) IN ACCORDANCE WITH ASTM D-3034, WITH ELASTOMERIC SEAL JOINTS IN ACCORDANCE WITH ASTM D-3212.

PVC SPECIAL (PRESSURE CLASS): SDR-26 (DEPTHS TO 5m) OR SDR-18 (DEPTHS OVER 5m) IN ACCORDANCE WITH ASTM D-2241, WITH ELASTOMERIC SEAL JOINTS IN ACCORDANCE WITH ASTM D-3139.

DUCTILE IRON: CLASS 52, BITUMINOUS COATED & CEMENT LINED, ENCASED IN POLYETHYLENE SHEETING.

BEDDING: WELL COMPACTED CA-6 GRADE 9 STONE OR SAND, TO 300mm OVER THE TOP OF PIPE.

MANHOLES: PRECAST CONCRETE WITH BENCH & RUBBER BOOTS
 WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEM IS REQUIRED ON ALL SANITARY MANHOLES.
 CONTRACTOR SHALL BE QUALIFIED BY MANUFACTURER'S REPRESENTATIVE TO INSTALL WRAPIDSEAL.
 EXTERIOR BANDING BETWEEN BARREL AND CONE SECTIONS IS REQUIRED.
 MANHOLE MUST BE WATER TIGHT AND SEALED FROM THE OUTSIDE.
 FIBERGLASS STEPS.

CAST IRON FRAMES & LIDS: NEENAH TYPE 1, SELF SEALING W/ CONCEALED PICKHOLES, MARKED "SANITARY SEWER"

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

SANITARY SEWER REMOVALS AND ADJUSTMENTS

Station	to	Station	Sanitary Manhole to be Reconstructed	Removing Manholes	Filling Manholes	Exploration Trench, Special	Sanitary Manhole to be Adjusted
			60260050	60500040	60500105	M2130010	X0321556
			Each	Each	Each	Meter	Each
ILLINOIS ROUTE 22							
STA	10+200	to	STA	10+450	0	0	3
STA	10+450	to	STA	10+750	1	0	2
STA	10+750	to	STA	11+100	1	2	2
STA	11+100	to	STA	11+450	0	1	0
STA	11+450	to	STA	11+800	1	0	2
PROJECT CONTINGENCY						20.0	
TOTAL =			3	3	9	20.0	7

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

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
 ENGINEERS & SCIENTISTS
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 Chicago, Illinois 60631
 (773) 399-0112

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 22
 E. OF BUESCHING RD TO QUENTIN RD
 SCHEDULES

SANITARY SEWER RELOCATION

DATE: 03-11-05

DRAWN BY: JHJ
 CHECKED BY: WS