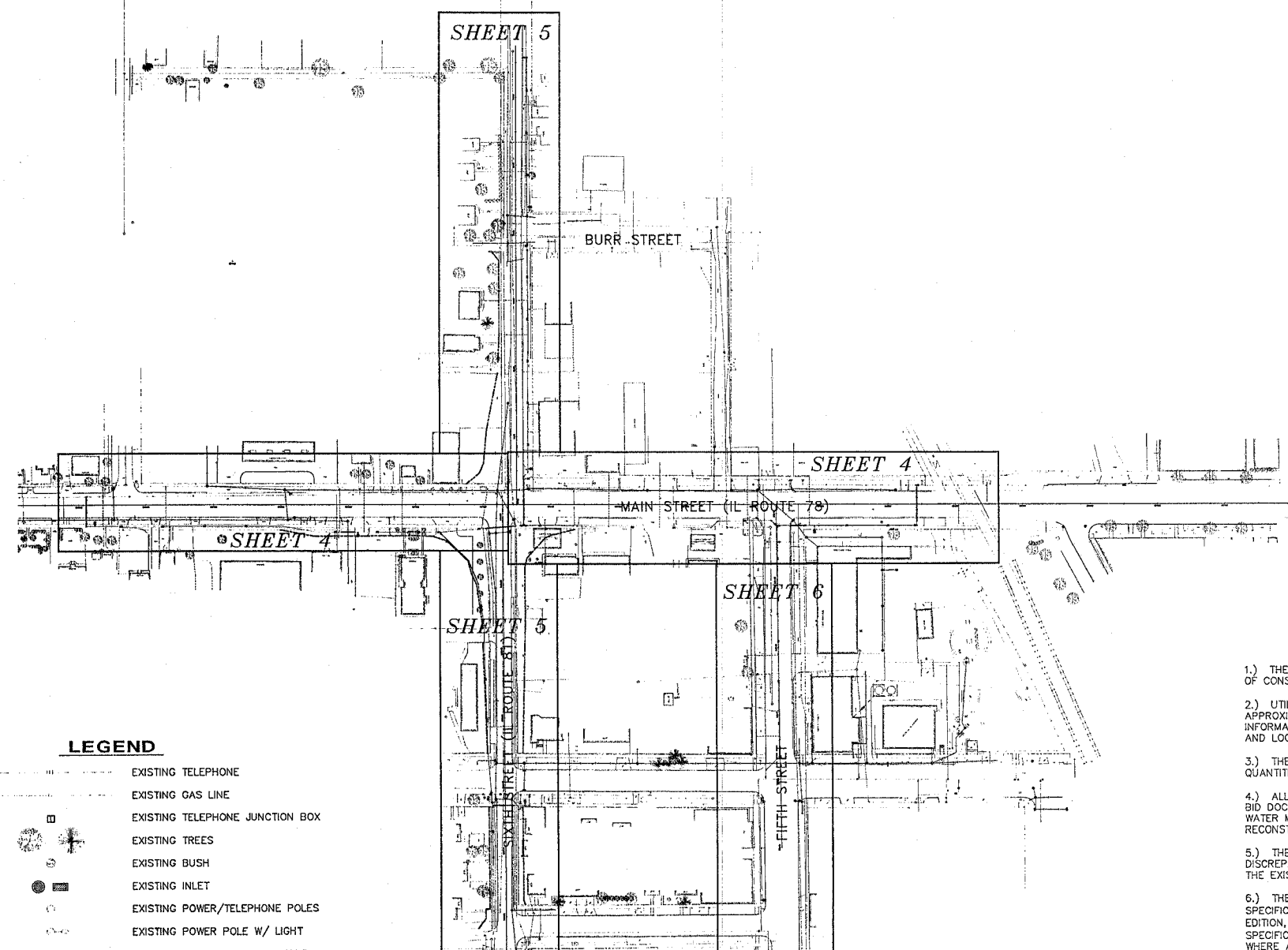


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	6M&TS	HENRY	257	119
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- EXISTING TELEPHONE
- EXISTING GAS LINE
- EXISTING TELEPHONE JUNCTION BOX
- EXISTING TREES
- EXISTING BUSH
- EXISTING INLET
- EXISTING POWER/TELEPHONE POLES
- EXISTING POWER POLE W/ LIGHT
- EXISTING WATER VALVE MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- BW — PROPOSED WATER MAIN
- EXISTING WATER MAIN
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- ▲ PROPOSED REDUCER
- R&R REMOVE AND REPLACE W/EQUAL
- M.D.-X.XX' MEASURE DOWN DEPTH FOR MANHOLES AND INLETS
- △ EXISTING BITUMINOUS PAVEMENT REMOVAL AND REPLACEMENT. (BIT.)
- ⊗ EXISTING PC CONCRETE PAVEMENT REMOVAL AND REPLACEMENT. (CONC.)
- ⊘ EXISTING SIDEWALK REMOVAL AND REPLACEMENT. (SW.)
- ⊙ EXISTING AGGREGATE SURFACE REMOVAL AND REPLACEMENT. (AGG.)
- ⊕ EXISTING CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT. (C&G)

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY	100% STATE	100% CITY
WATER MAIN 8"	FOOT	3023	1741	1282
WATER MAIN 6"	FOOT	53	48	5
WATER VALVES 8"	EACH	10	9	1
WATER VALVES 6"	EACH	4	2	2
8" X 8" D.I.P. TEE	EACH	7	6	1
8" X 6" D.I.P. TEE	EACH	9	5	4
6" X 6" D.I.P. TEE	EACH	2	1	1
8" X 8" D.I.P. CROSS	EACH	1	0	1
FIRE HYDRANT TO BE REMOVED AND REPLACED	EACH	7	6	1
8" - 45° BEND	EACH	8	4	4
8" - 22.5° BEND	EACH	1	1	0
8" - 11.25° BEND	EACH	3	3	0
8" X 6" REDUCER	EACH	1	1	0
8" X 4" REDUCER	EACH	1	0	1
CONNECTION TO EXISTING WATER MAIN	EACH	9	5	4
WATER SERVICE CONNECTION	EACH	35	23	12
WATER SERVICE LINE 1"	EACH	1400	1050	350
TRENCH BACKFILL	CU YD	1512	1134	378
ABANDONMENT OF EXISTING WATER MAIN	L SUM	1	1	0
6" PCC SIDEWALK REMOVAL AND REPLACEMENT	SQ FT	5715	4820	795
STABILIZATION ROCK	TON	700	75	25
REMOVE EXISTING CULVERTS	EACH	1	0	1
PIPE CULVERTS: TYPE 1 CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 12"	FOOT	15	0	15
STEEL CASING PIPE 16" (BORED AND JACKED)	FOOT	241	180	61
DIRECTIONAL BORE 8" WATER MAIN	FOOT	385	0	385

GENERAL NOTES

- 1.) THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES SERVING THE AREA OF CONSTRUCTION PRIOR TO BEGINNING ANY CONSTRUCTION WORK.
- 2.) UTILITIES ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES.
- 3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL PLAN QUANTITIES.
- 4.) ALL MISCELLANEOUS REMOVAL AND REPLACEMENT ITEMS NOT LISTED IN THE BID DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE WATER MAIN. SAID ITEMS CONSIDERED INCIDENTAL SHALL BE REPLACED OR RECONSTRUCTED TO THEIR ORIGINAL CONDITION OR BETTER.
- 5.) THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED BETWEEN THE PLANS AND SPECIFICATIONS AND THE EXISTING FIELD CONDITIONS.
- 6.) THE WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION, AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION EXCEPT WHERE AS OTHERWISE NOTED.
- 7.) THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION AND IDOT STANDARD DETAILS 701501-02 & 702001-01.
- 8.) ANY PROPERTY DAMAGE OUTSIDE OF EASEMENTS AND/OR RIGHT-OF-WAY TO BE REPLACED TO ORIGINAL OR BETTER CONDITION BY THE CONTRACTOR AT HIS OR HER OWN EXPENSE.
- 9.) THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF REMOVAL ITEMS, SURPLUS EXCAVATED MATERIAL, ETC., FROM THE CONSTRUCTION SITE. REMOVAL SHALL BE COORDINATED WITH THE CITY OF KEWANEE PUBLIC WORKS DEPARTMENT.
- 10.) ALL CULVERT, STORM SEWER, WATER MAIN, GAS MAIN, ETC. CROSSINGS BY SHORT TUNNEL OR AS DETAILED IN THESE PLANS SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE WATER MAIN.
- 11.) UNLESS OTHERWISE NOTED, ALL VALVE BOXES SHALL BE CONSTRUCTED SO THAT RIMS ARE FLUSH WITH FINISHED GRADE.
- 12.) EROSION CONTROL SHALL CONFORM TO EPA/WPC/87-012 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 13.) ALL EXISTING FIRE HYDRANTS TO BE REMOVED SHALL BE DELIVERED TO THE CITY OF KEWANEE WATER DEPARTMENT. COORDINATE WITH THE CITY OF KEWANEE PUBLIC WORKS DEPARTMENT.
- 14.) "CONNECTION TO EXISTING WATER MAIN PAY ITEM" SHALL INCLUDE ALL FITTINGS AND ASSOCIATED WORK REQUIRED FOR THE CONNECTION TO EXISTING WATER MAIN.
- 15.) CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND CONNECTION OF PROPOSED WATER SERVICE LINES TO EXISTING SERVICE LINES. LOCATION OF PROPOSED SERVICES ON PLANS ARE APPROXIMATE.
- 16.) ANY FITTINGS REQUIRED THAT ARE NOT SHOWN IN THE PLANS (FOR VERTICAL ALIGNMENT ADJUSTMENT, DEFLECTION AROUND OBSTACLES, ETC.) SHALL BE INCIDENTAL TO THE COST OF THE WATER MAIN.
- 17.) CONTRACTOR IS RESPONSIBLE FOR LOCATING AND AVOIDING EXISTING WATER MAINS, SERVICE PIPES, AND OTHER UNDERGROUND UTILITIES WHICH MAY NOT BE SHOWN ON THESE PLANS. CHANGES IN ALIGNMENT AND/OR ADDITIONAL FITTINGS MAY BE NECESSARY TO AVOID THESE CONFLICTS. THIS WORK SHALL BE INCIDENTAL TO THE COST OF THE WATER MAIN.
- 18.) CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXCAVATION NEAR POWER POLES WITH UTILITY COMPANY.
- 19.) ALL WATER MAIN SHALL BE DR-18 PVC AND ALL FITTINGS SHALL BE DUCTILE IRON.
- 20.) ANY ADDITIONAL HYDRANT EXTENSIONS REQUIRED DUE TO VARIABLE TERRAIN, DEPTH OF COVER REQUIREMENTS, ETC. SHALL BE INCIDENTAL TO THE FIRE HYDRANT.
- 21.) BEDDING MATERIAL FOR WATER MAIN AND STORM SEWER SHALL BE FA-6 UNLESS DIRECTED OTHERWISE BY THE ENGINEER. BEDDING MATERIAL SHALL BE PLACED ONE FOOT OVER TOP OF PIPE FOR PVC WATER MAIN. (SEE TYPICAL INSTALLATION DETAIL).
- 22.) STABILIZATION ROCK MAY BE REQUIRED BEFORE PLACING BEDDING MATERIAL AND PIPE. STABILIZATION ROCK, IF REQUIRED, SHALL BE A SIZE AND GRADATION SUFFICIENT TO PROPERLY STABILIZE THE PIPE. THE ENGINEER SHALL APPROVE ALL USE OF STABILIZATION ROCK AND NO PAYMENT WILL BE MADE WITHOUT PRIOR APPROVAL OF ITS USE. ADDITIONAL EARTH EXCAVATION/CORE-OUT FOR PLACEMENT OF THE ROCK AND REMOVAL OF UNSUITABLE MATERIAL SHALL BE INCIDENTAL TO THIS ITEM.
- 23.) TRENCH BACKFILL SHALL BE PLACED AS SHOWN ON THE PLANS TO PROVIDE ADDITIONAL TRENCH STABILIZATION AT DRIVES, SIDEWALKS AND STREET CROSSINGS AND ANYWHERE THE PIPE TRENCH IS WITHIN 1:1 SLOPE FROM THE EDGE OF PAVEMENT, EVEN IF NOT SHOWN ON THE PLANS.
- 24.) SPECIAL FITTINGS, COLLARS, OR OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE WATER MAIN THAT ARE NOT SHOWN IN THE PLANS SHALL BE INCIDENTAL TO THE COST OF THE WATER MAIN.
- 25.) SEEDING, FERTILIZING AND MULCHING IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", LATEST EDITION SHALL BE PERFORMED OVER ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS.
- 26.) PUMPING GROUND WATER AND/OR STORM WATER FROM OPEN TRENCHES SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE WATER MAIN.
- 27.) DRIVEWAY ACCESS FOR LOCAL RESIDENTS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- 28.) WHEN TEMPORARY ROCK IS REQUIRED FOR OPENING DRIVEWAYS AND OR STREETS, CA-6 IS TO BE USED AND IS CONSIDERED INCIDENTAL TO THE CONTRACT.
- 29.) 600 V, 12 GA., INSULATED TRACING WIRE IS TO BE INSTALLED WITH PVC WATER MAIN PIPE. TRACING WIRE IS TO BE LOOPED TO GROUND LEVEL OF NEW HYDRANTS AND MAIN LINE VALVE BOX CAPS AS SHOWN IN THE CONSTRUCTION DETAILS USING A CONTINUOUS RUN WITHOUT INTERRUPTIONS.
- 30.) VERIFY LOCATION(S) OF MONITORING WELLS ON NORTH SIDE OF WEST 6TH STREET, NORTH SIDE OF WEST 5TH STREET AND WEST SIDE OF MAIN STREET (IL HIGHWAY 78).
- 31.) WATER SERVICE LOCATIONS SHOWN ARE APPROXIMATE AND NEED TO BE FIELD VERIFIED ON EXISTING SERVICES TO BE CONNECTED TO THE NEW WATER MAIN. SPECIAL CARE SHALL BE TAKEN TO MINIMIZE SERVICE INTERRUPTION TO EXISTING HOMES AND BUSINESSES.

CITY OF KEWANEE
401 East Third Street, Kewanee, IL 61443

REVISIONS		
NO.	ITEM	DATE
1	REVISED PER CLIENT COMMENTS	AUGUST 2005

PLOTTING SCALE: 1" = 100'
DRAWN BY: BRS
CHECKED BY:
DATE: AUGUST 2005

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INDEX MAP, GENERAL NOTES & QUANTITIES
6th Street & Main Street Water Main KEWANEE, ILLINOIS
FILE NAME: F:\KE103.195\dwg\03195MCL.dwg JOB NUMBER: 01-21-03-195

SHEET NO. 2 OF 6