

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8894	05-00073-01-PV	MADISON	68	25
STA. N.A.	TO STA. N.A.			
FED. ROAD DIST. NO.	ILLINOIS	FEDERAL AID PROJECT		

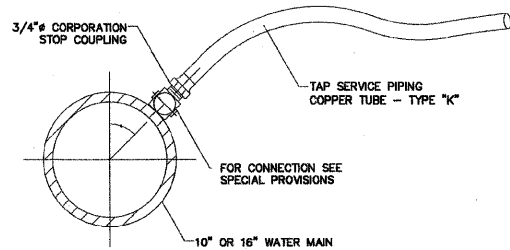
**GENERAL NOTES**

- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ENGINEER AND THE WATER DEPARTMENT AND DISTRIBUTION PERSONNEL. ALL EXISTING FACILITIES SHALL BE KEPT IN SERVICE DURING CONSTRUCTION EXCEPT WHERE PERMISSION IS GRANTED OTHERWISE BY THE OWNER. ALL VALVE BOXES AND VALVE VAULTS SHALL NOT BE COVERED WITH CONSTRUCTION DEBRIS AND SHALL REMAIN ACCESSIBLE TO THE RESPECTIVE UTILITY COMPANY.
- WATER MAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS LATEST EDITION.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LAY OUT THE PROPOSED IMPROVEMENTS AND SHALL VERIFY ALL DIMENSIONS, ANGLES AND STATIONS SHOWN. SHOULD THE CONTRACTOR NOTE ANY DISCREPANCIES OR CONFLICTS, HE/SHE SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE PROJECT WORK.
- 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.
- INFORMATION ON THE UTILITY 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. ANY UTILITIES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL DISTURBED AREAS SHALL BE CLEANED UP AND RESTORED TO A SIMILAR CONDITION. CLEAN UP SHOULD FOLLOW CLOSELY BEHIND CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS AND SURVEY MONUMENTS AND SHALL RESTORE ANY WHICH ARE DISTURBED BY HIS OPERATIONS AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL EXISTING TRAFFIC SIGNS, FENCES, GUARDRAILS, STREET LIGHTS, STREET SIGNS, ETC. WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR REMOVAL OR DISPOSAL SHALL BE MAINTAINED BY THE CONTRACTOR OR TEMPORARILY RELOCATED. THIS IS CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. DAMAGE TO THESE ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE. IN ADDITION, ALL MAILBOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST.
- ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED WITH NEW PIPE PER THE SPECIFICATIONS. A RECORD OF THE LOCATION OF ALL FIELD TILE OR ON SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER UPON COMPLETION OF THE PROJECT. FIELD TILE REPAIR SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROPOSED CONDUITS.
- ALL EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF SITE.
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING FENCE, POSTS, AND GATES DURING CONSTRUCTION. ALL WORK AND MATERIAL NECESSARY TO REPLACE EXISTING FENCE, POSTS, AND GATES DAMAGED BECAUSE OF NONCOMPLIANCE WILL BE AT CONTRACTORS OWN EXPENSE, AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES, AGRICULTURAL AREAS, AND ALL OTHER SITES NECESSARY FOR THE MAINTENANCE OF COMMERCE AND SAFETY AT ALL TIMES. THE CONTRACTOR MAY PLACE TEMPORARY PLATES OR OTHER SUCH DEVICES IN A SAFE AND ACCESSIBLE MANNER TO TEMPORARILY MAINTAIN ACCESS. IN NO CASE MAY MORE THAN ONE POINT OF ACCESS TO ANY RESIDENCE, BUSINESS OR SITE BE UNDER CONSTRUCTION SIMULTANEOUSLY. COSTS FOR MAINTAINING ACCESS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE ANY DEWATERING EQUIPMENT AND APPARATUS AS NECESSARY TO MAINTAIN DRY WORKING CONDITIONS.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES. COST OF TEMPORARY CULVERTS, DITCHES, PUMPS OR OTHER ITEMS REQUIRED TO MAINTAIN POSITIVE DRAINAGE SHALL BE INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS REGARDING SOIL EROSION AND SEDIMENT CONTROL PROCEDURES.

DATE	BY	REVISIONS

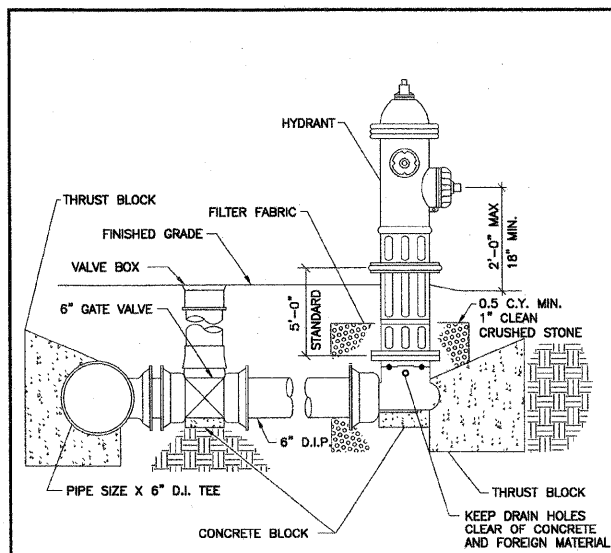
DATE	BY	REVISIONS

- ALL EXISTING SERVICE CONNECTIONS SHALL BE KEPT IN OPERATION UNTIL THE NEW MAIN HAS BEEN DISINFECTED AND PUT INTO OPERATION.
- UPON THE COMPLETION OF 15 ABOVE, A NEW SERVICE TAP FOR EACH HOUSE SHALL BE INSTALLED ON THE NEW MAIN.
- EACH NEW TAP SHALL BE AS SHOWN IN THESE PLANS AND SHALL BE CONNECTED TO THE EXISTING HOUSE SERVICE PRIOR TO IT'S EXISTING CURB VALVE OR METER. PUT EACH NEW TAP IN SERVICE IMMEDIATELY UPON IT'S COMPLETION.
- FOLLOWING THE INSTALLATION OF ALL SERVICE CONNECTIONS, THE EXISTING 6" MAIN SHALL BE ABANDONED IN PLACE BY FILLING ENTIRE LENGTH WITH FLOWABLE FILL.



**TYPICAL TAP SERVICE**

NOT TO SCALE



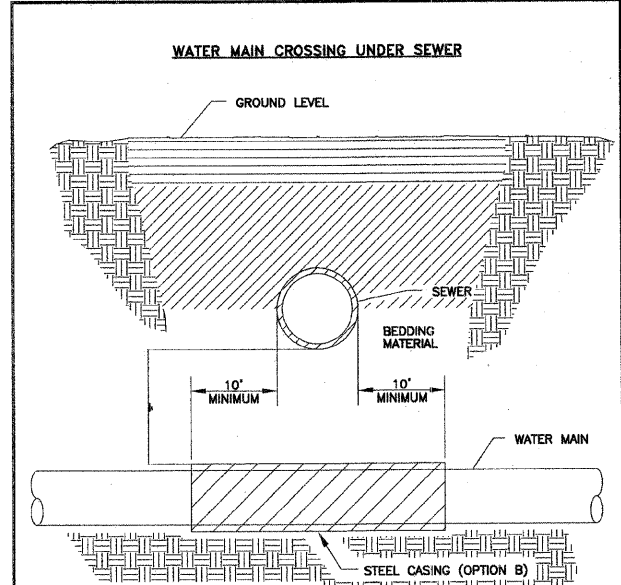
**FIRE HYDRANT ASSEMBLY DETAIL**

NOT TO SCALE

**NOTES:**

- RESTRAINED JOINTS SHALL BE ACCEPTABLE FOR PUSH ON PIPE IN LIEU OF CONCRETE THRUST BLOCKING IN ACCORDANCE WITH SPECIFICATIONS.
- INCLUDE 8" X 6" D.I. TEE IN FIRE HYDRANT ASSEMBLY PAY ITEM.
- HYDRANT TO BE RED IN COLOR.

**FIRE HYDRANT DETAIL**



**OPTION A - PRESSURE CLASS SEWER MAIN**

- REPLACE EXISTING SEWER WITH A PRESSURE CLASS MAIN IN LIEU OF CASING THE WATER MAIN.
- THE SEWER SHALL BE REPLACED A MINIMUM OF 10' EACH SIDE OF THE WATERMAIN.

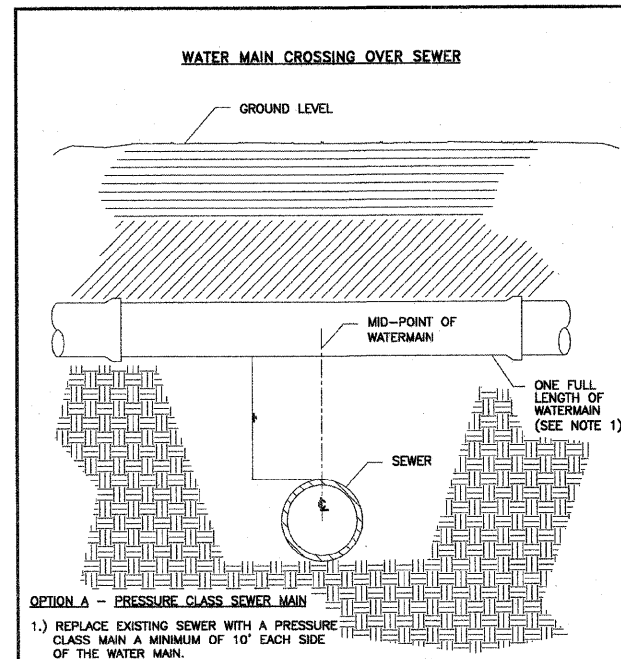
**OPTION B - WATER MAIN CASING INSTALLATION**

- PROVIDE ADEQUATE SUPPORT FOR THE EXISTING SEWER TO PREVENT DAMAGE DUE TO SETTLEMENT.

**NOTES:**

- FOLLOW TRENCH MATERIAL DETAIL WHEN BACK-FILLING WATER MAIN.
- THE SELECTED OPTION MUST BE APPROVED BY AN ENGINEERS REPRESENTATIVE.

**WATER MAIN CROSSING UNDER SEWER DETAIL**



**OPTION A - PRESSURE CLASS SEWER MAIN**

- REPLACE EXISTING SEWER WITH A PRESSURE CLASS MAIN A MINIMUM OF 10' EACH SIDE OF THE WATER MAIN.

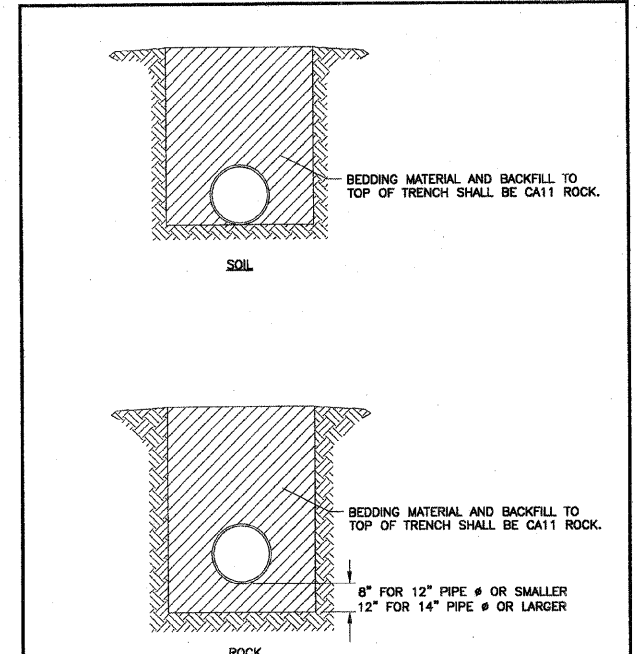
**OPTION B - WATER MAIN INSTALLATION**

- MID-POINT OF ONE FULL LENGTH OF WATER MAIN IS TO BE CENTERED ABOVE SEWER LINE.
- PROVIDE ADEQUATE SUPPORT FOR THE WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT.

**NOTES:**

- FOLLOW TRENCH MATERIAL DETAIL WHEN BACK-FILLING WATER MAIN.
- THE SELECTED OPTION MUST BE APPROVED BY AN ENGINEERS REPRESENTATIVE.

**WATER MAIN CROSSING OVER SEWER DETAIL**



ESTIMATED QUANTITY OF TRENCH = 871 CY  
BACKFILL MATERIAL FOR WATERMAIN

**TRENCH MATERIAL DETAIL**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**WATER MAIN DETAILS**

SCALE: VERT. N.A.  
HORIZ. N.A.

DATE

DRAWN BY AJK  
CHECKED BY JWB