



**CONSTRUCTION/SEQUENCING NOTES:**

- THE LIMITS FOR REMOVAL AND ABANDONMENT OF EXISTING WATER MAIN PIPES MUST BE DETERMINED AS PART OF STAGING REQUIREMENTS AND CONSTRUCTION LIMITS FOR SEWER, WATER MAIN, BRIDGE AND UTILITY CONSTRUCTION.
- EXISTING THRUST RESTRAINTS NOT SHOWN FOR CLARITY. SEE RECORD INFORMATION FOR ANTICIPATED THRUST RESTRAINT LOCATIONS AND DIMENSIONS.
- SEE SHEETS 141 & 142 FOR ADDITIONAL NOTES
- 7. CUT AND TEMPORARILY CAP EXISTING 48" AND 24" CAST IRON WATER MAINS TO THE WEST. REMOVE PORTIONS OF EXISTING WATER MAINS AS NECESSARY TO FACILITATE THE WORK.
- SEE SHEETS 141 & 142 FOR ADDITIONAL NOTES
- 9. INSTALL 1-48" BUTTERFLY VALVE, 2-2" TEST TAPS IN BASINS.
- 10. INSTALL 1-48" X 12" TEE, 1-12" X 8" REDUCER, 2-8" X 1/4 BENDS, 1-8" GATE VALVE AND 1 FIRE HYDRANT.
- 11. INSTALL 1-48" X 24" TEE FOR INSPECTION MANHOLE.
- 12. INSTALL 48" PIPE, 1-48" X 1/8 BEND, 1-48" X 24" TEE, 1-48" BUTTERFLY VALVE AND 1-2" TEST TAP IN BASIN. TEMPORARILY PLUG OR CAP THE 48" PIPE WEST OF BUTTERFLY VALVE.
- 13. INSTALL 24" PIPE AND 7-24" X 1/8 BENDS.
- 14. INSTALL 1-16" GATE VALVE, 2-24" X 16" REDUCERS, 2-2" TEST TAPS IN BASIN.
- 15. CONNECT TO EXISTING 24" CAST IRON WATER MAIN WITH 24" TRANSITION SLEEVE.
- 16. FILL NEW WATER MAIN THROUGH 24" CONNECTION. FLUSH ALL AIR FROM THE SYSTEM.
- 17. CLOSE 48" BUTTERFLY VALVE AND PRESSURE TEST NEW 48" AND 24" WATER MAIN SEGMENTS TO 100 PSI IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 18. AFTER APPROVAL OF PRESSURE TEST, DEWATER THE NEW WATER MAIN IN PREPARATION FOR MAKING THE FINAL CONNECTIONS.
- 19. REMOVE TEMPORARY PLUG OR CAP FROM 48" PIPE AND CONNECT TO EXISTING 48" CAST IRON WATER MAIN WITH 48" PIPE AND 48" TRANSITION SLEEVE.
- SEE SHEETS 141 & 142 FOR ADDITIONAL NOTES
- 20. PITOMETER TAP BASIN AND VALVE BASIN TOP SLAB AND FRAME MUST BE LOCATED SO THAT FRAME DOES NOT CONFLICT WITH PROPOSED CURB AND GUTTER.

(TR) = THRUST RESTRAINT PER THRUST RESTRAINT DETAIL SHEETS FOR THRUST RESTRAINT TYPES AND DETAILS, SEE SHEETS 147 THROUGH 149.

DATE	
BY	
PLAN	
SURVEYED	
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GRADES CHECKED	
ALIGNMENT CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
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GRADES CHECKED	
ALIGNMENT CHECKED	
STRUCTURE NOTATIONS CHECKED	
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D:\6026-sht-WM-04.dgn  
 USER NAME = Cooper-M2  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 9/15/2013

DESIGNED - HHC  
 DRAWN - HHC  
 CHECKED - RBB  
 DATE - 8/20/13

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WATER MAIN  
 PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-007R	COOK	559	143
CONTRACT NO. 60W26				
ILLINOIS FED. AID PROJECT				