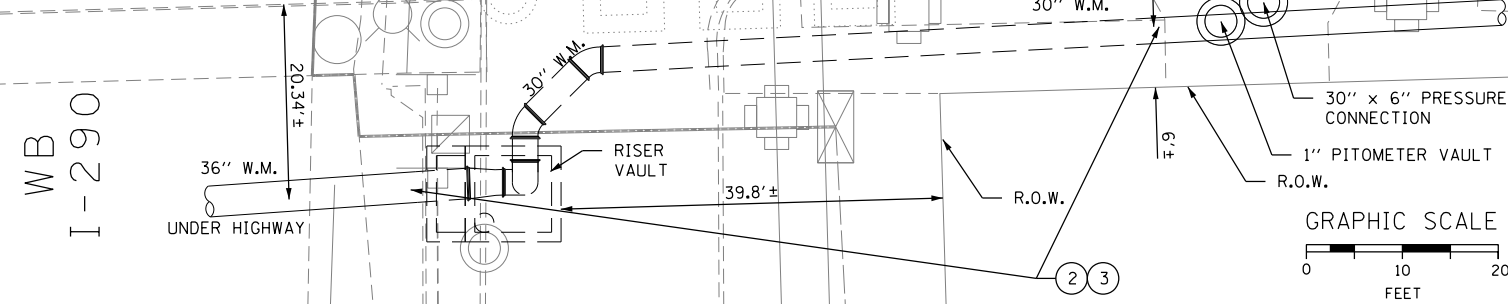


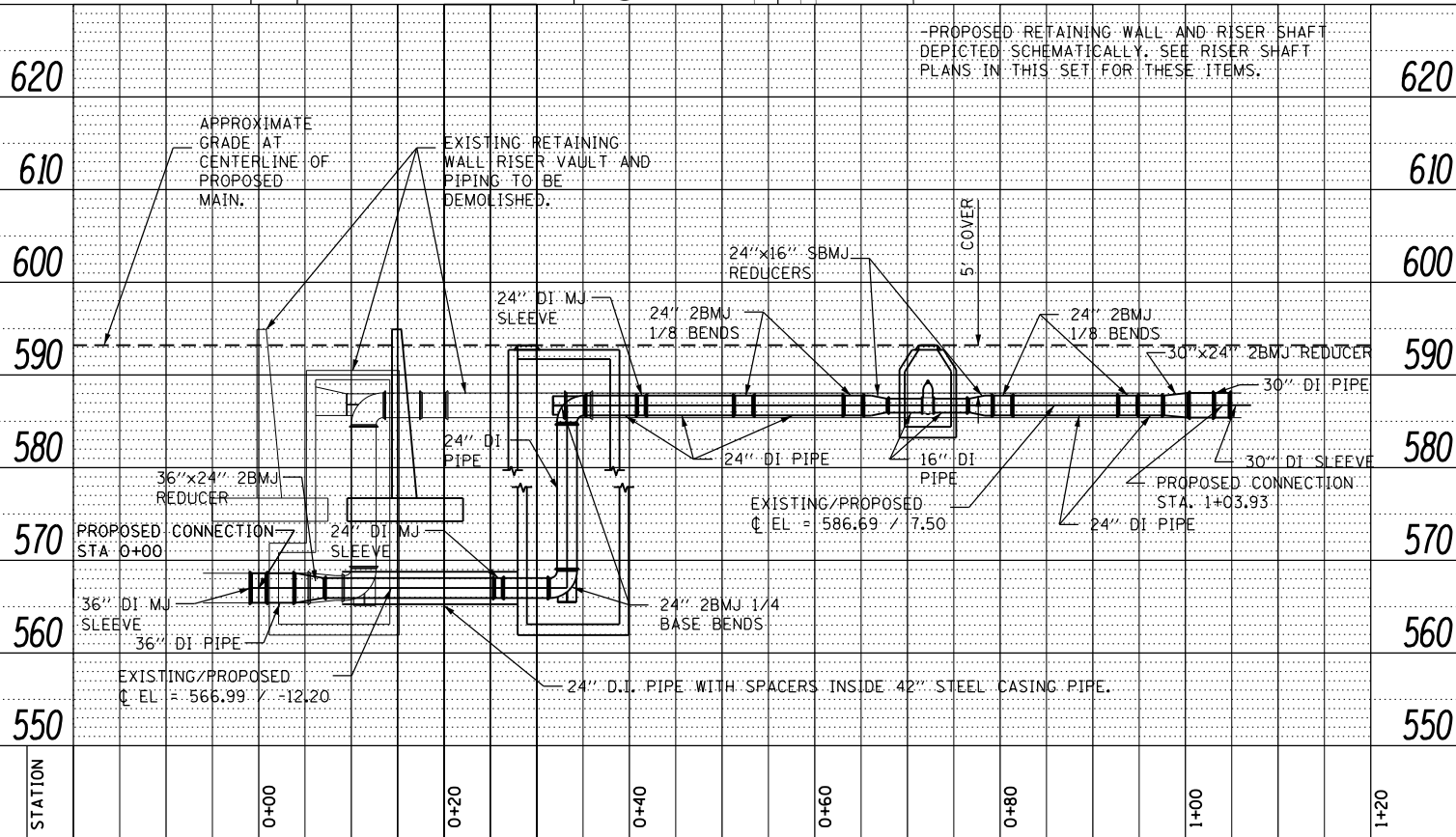
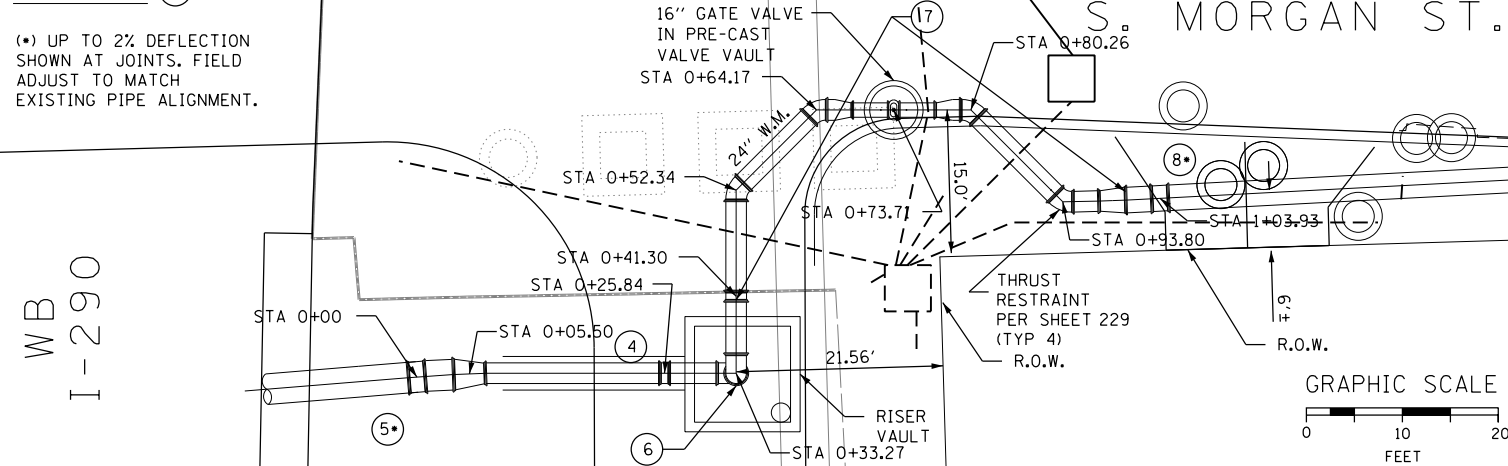
EXISTING ①

- THE EXISTING WATER MAIN HAS BEEN LOCATED BASED ON INFORMATION GATHERED IN A LEVEL "B" SUE SURVEY. THE PROPOSED LAYOUT SHALL BE ADJUSTED TO MEET THE EXISTING ALIGNMENT.



PROPOSED ⑨

(*) UP TO 2% DEFLECTION SHOWN AT JOINTS. FIELD ADJUST TO MATCH EXISTING PIPE ALIGNMENT.



WATER MAIN GENERAL NOTES:

- LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
- THE CONTRACTOR MUST VERIFY THE LOCATION OF UNDERGROUND UTILITIES WITH THE UTILITY OWNERS PRIOR TO DOING ANY WORK IN THE VICINITY. THE CONTRACTOR MUST COMPLY WITH REQUIREMENTS OF UTILITY OWNERS REGARDING NOTICE OF WORK AND PROTECTION OF UTILITIES. THE CONTRACTOR MUST COMPLY WITH THE CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION DAMAGE PREVENTION PROTOCOL CITY INFRASTRUCTURE DEPARTMENTS. ALL UTILITIES MUST BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION. (CALL DIGGER 312-744-7000)
- IF ANY PUBLIC OR PRIVATE UTILITIES CROSS THE WATER MAIN TRENCH AND MUST REMAIN IN PLACE, THE CONTRACTOR MUST PROTECT SAID UTILITY IN CONFORMANCE WITH THE SPECIFICATIONS OR AS DIRECTED BY THE CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES.
- TEST PITS MUST BE EXCAVATED IN ADVANCE OF PIPELINE CONSTRUCTION IN ORDER TO CONFIRM DEPTH AND LOCATION OF EXISTING UTILITIES AND WHEN DIRECTED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR TEST PIT EXCAVATION.
- WORK INDICATED ON THE PLANS AND NOT REFERENCED TO A BID ITEM IS CONSIDERED INCIDENTAL TO THE WORK TO WHICH IT APPLIES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WATER MAIN AND FITTINGS LOCATIONS SHOWN ON THE DRAWINGS FOR THE NEW WATER MAINS AND APPURTENANCES MAY BE CHANGED BY THE ENGINEER DUE TO FIELD CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH CHANGES, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER.
- THE OPERATION OF ALL VALVES REQUIRED FOR SHUTDOWN MUST BE PERFORMED BY CDWM FORCES PURSUANT TO A 72 HOUR ADVANCE NOTIFICATION TO THE DEPARTMENT. ANY VALVE FOUND NOT OPERABLE WILL BE REPAIRED OR REPLACED BY CDWM.
- REMOVE AND PROPERLY DISPOSE OF ALL WATER ENTERING ANY EXCAVATION INCLUDING LEAKAGE FROM EXISTING WATER MAINS. ALL EXCAVATIONS ASSOCIATED WITH THE WATER MAIN WORK MUST BE KEPT DRY.
- ALL OPENINGS IN EXISTING WATER MAINS MUST BE PLUGGED OR CAPPED WITH DUCTILE IRON FITTINGS UNTIL THE MAIN IS ABANDONED.
- ALL VALVE BASINS MUST BE CONSTRUCTED OF PRE-CAST REINFORCED CONCRETE UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- NOTES INDICATING S.N.L., E.W.L., ETC. MEAN SOUTH OF THE NORTH PROPERTY LINE, EAST OF THE WEST PROPERTY LINE, ETC. AND ARE MEASURED FROM THE NEAREST STREET.
- IF A STANDARD MECHANICAL JOINT SLEEVE DOES NOT FIT TO MAKE CONNECTION OF THE NEW PIPE TO THE EXISTING PIPE, A TRANSITION SLEEVE MUST BE USED. NO GRINDING OF THE EXISTING PIPE IS PERMITTED.

CONSTRUCTION/SEQUENCING NOTES:

- NOTE: ALL OF THE FOLLOWING WATER MAIN CONSTRUCTION MUST BE COORDINATED AND SEQUENCED WITH THE BRACED EXCAVATION SUPPORT SYSTEM, DEMOLITION OF THE EXISTING RISER SHAFT AND CONSTRUCTION OF THE NEW RISER SHAFT. REFERENCE RISER SHAFT PLANS FOR MORE DETAILED CONSTRUCTION SEQUENCING OF THESE ITEMS.
1. CONTACT CDWM FOR SHUTDOWN OF WATER MAIN. (312-744-5070)
 2. DEWATERING OF EXISTING PIPE SHALL BE COORDINATED WITH BRACED RAMP EXCAVATION AND DEMOLITION OF EXISTING RISER SHAFT. SEE SHEET 230.
 3. CUT AND CAP EXISTING 30" WATER MAIN TO THE NORTH IN MORGAN STREET, CUT AND CAP EXISTING 36" WATER MAIN TO THE SOUTH UNDER EXPRESSWAY. EXACT LOCATIONS AND DEPTH OF EXISTING WATER MAINS TO BE VERIFIED IN FIELD BY CONTRACTOR.
 4. INSTALL 42" CASING PIPE AND 24" CARRIER PIPE BETWEEN EXISTING RISER SHAFT AND PROPOSED RISER SHAFT LOCATION. SUPPORT AS SHOWN ON SHEET 225.
 5. REMOVE TEMPORARY CAP AND CONNECT TO THE NEW 24" WATER MAIN TO THE EXISTING 36" WATER MAIN.
 6. AFTER CONSTRUCTION OF THE NEW RISER SHAFT, SET PIPE, FITTINGS AND APPURTENANCES AS SHOWN IN THE RISER SHAFT. SEE SHEET 226.
 7. SET PIPE, FITTINGS, VALVES, VALVE BASIN AND APPURTENANCES AS SHOWN FROM THE RISER SHAFT TO THE POINT OF CONNECTION TO THE EXISTING 30" WATER MAIN IN MORGAN STREET. COORDINATE THE LOCATION OF BENDS WITH THE LOCATION OF THE THRUST RESTRAINER PILES SHOWN ON SHEET 229.
 8. REMOVE TEMPORARY CAP AND CONNECT TO EXISTING 30" PIPE WITH DI SLEEVE.
 9. BEFORE THE WATER MAIN CAN BE FILLED AND FLUSHED, THE BRACED EXCAVATION AREA MUST BE BACKFILLED AND STRUCTURAL RESTRAINT SYSTEMS IN PLACE. COORDINATE WITH SHEET 225.
 10. CONTACT CDWM TO OPERATE VALVES FOR FILLING AND FLUSHING WATER MAIN.
 11. DISINFECT, FLUSH AND PRESSURE TEST PER GENERAL NOTES.
 12. RESTORE ALL WATER MAIN TRENCHES PER THE DETAILED DRAWING.

BILL OF MATERIALS:

- (NOTE: ALL PIPE AND FITTINGS USED SHALL BE RESTRAINED JOINT)
- 4' OF 36" DI RESTRAINED JOINT PIPE
 - 4' OF 30" DI RESTRAINED JOINT PIPE
 - 80' OF 24" DI MJ PIPE
 - 8' OF 16" MJ DI PIPE
 - 2-24"x16" SBMJ REDUCER
 - 4-24" 2BMJ 1/8 BEND
 - 2-24" DI MJ SLEEVE
 - 20' OF 42" STEEL CASING PIPE
 - 1-36"x24" 2BMJ REDUCER (PROVIDED)
 - 1-30"x24" 2BMJ REDUCER (PROVIDED)
 - 2-24" 2BMJ 1/4 BASE BEND (PROVIDED)
 - 1-36" DI MJ SLEEVE (PROVIDED)
 - 1-30" DI MJ SLEEVE (PROVIDED)
 - 1-16" CHICAGO STANDARD MJ GATE VALVE (PROVIDED)

DATE	
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D:\620W25-sht-WM-01.dgn
 USER NAME = ayeungh
 PLOT SCALE = 10.0000 / 1 in.
 PLOT DATE = 5/14/2013

DESIGNED	- HHC	REVISED	-
DRAWN	- HHC	REVISED	-
CHECKED	- RBB	REVISED	-
DATE	- 05/14/13	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WATERMAIN REPLACEMENT PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-007R	COOK	317	87
CONTRACT NO. 60W25				
ILLINOIS FED. AID PROJECT				