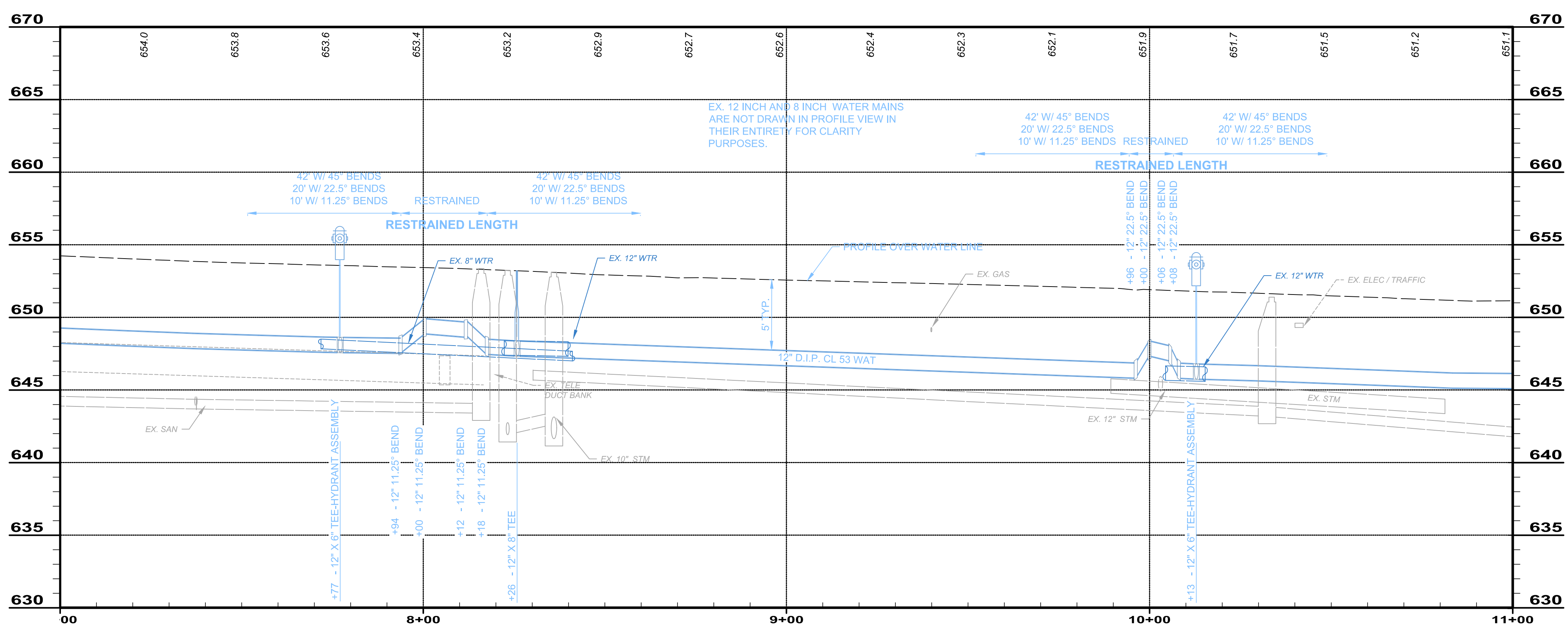
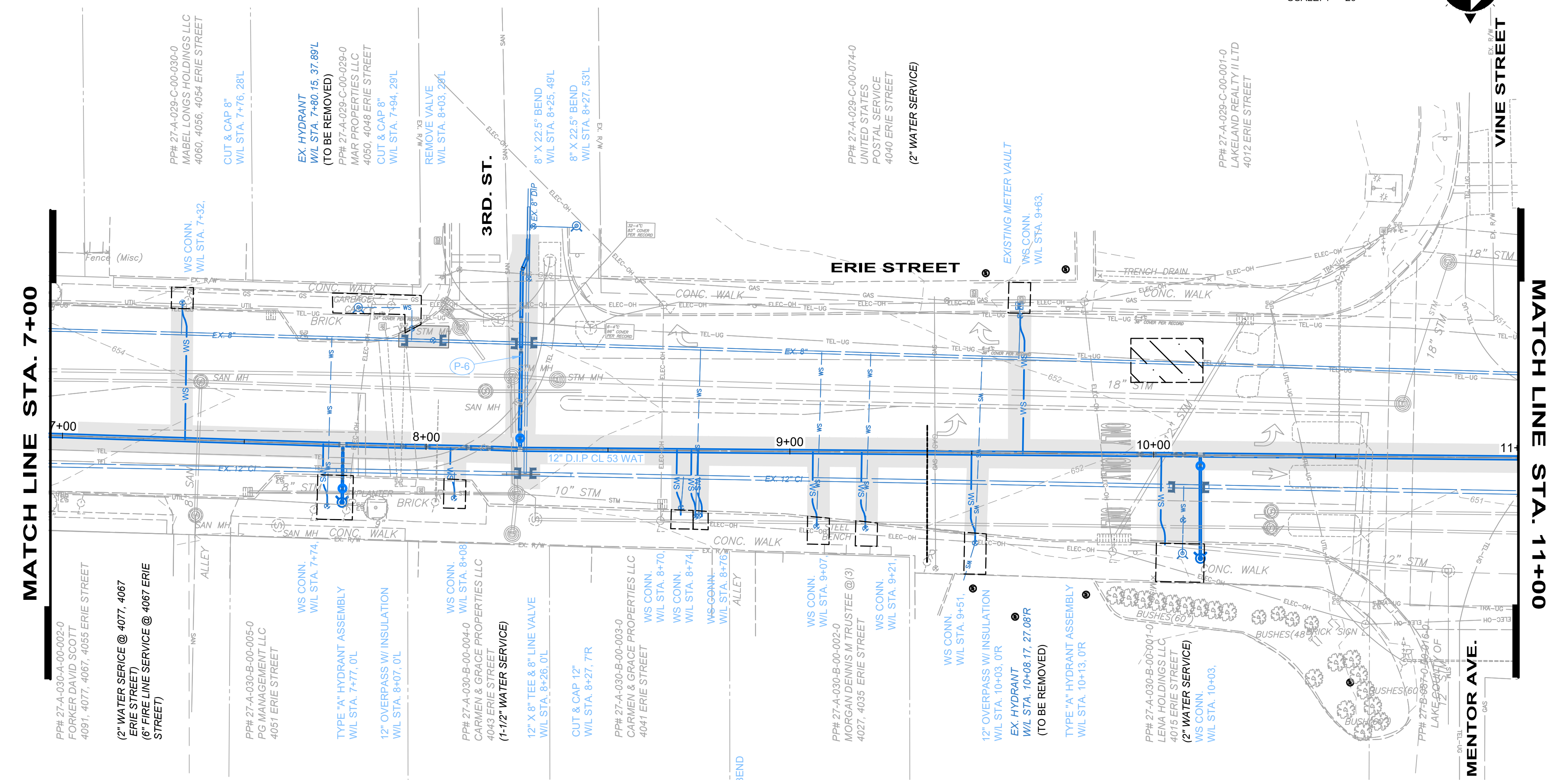
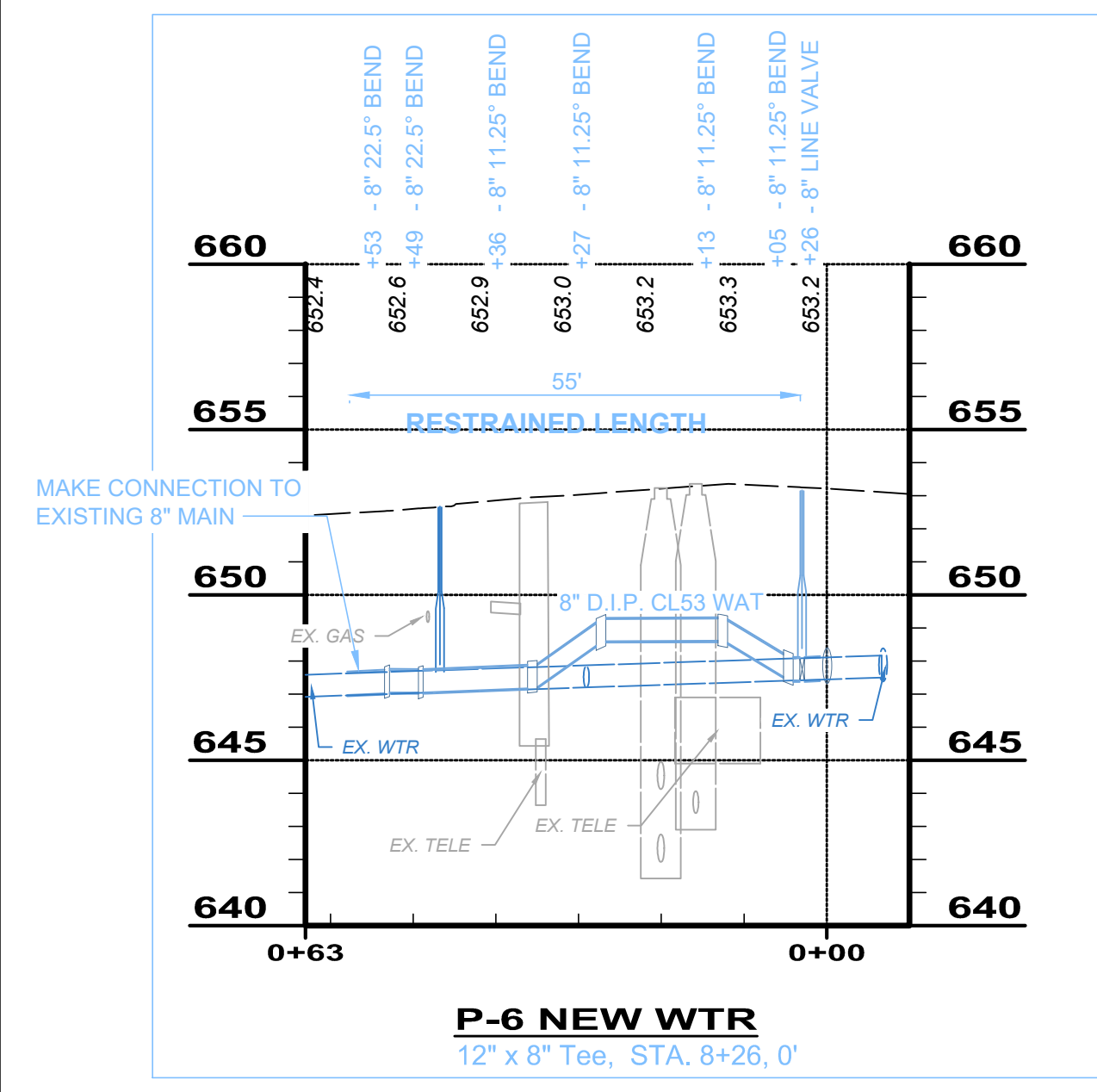


ISSUED FOR: UTILITY COORD.	NO.	REVISION	DATE
ISSUE DATE:	08/28/18		XXXX18
SCALE:	AS SHOWN		
DESIGNED BY:	MPC		
DRAWN BY:	MPC/JPL		
CHECKED BY:	XXX		

**ERIE STREET WATER LINE REPLACEMENT OF UTILITIES**  
LAKE COUNTY DEPARTMENT OF UTILITIES  
- WILLOUGHBY -  
**PLAN & PROFILE**  
STA. 7+00 TO STA. 11+00

PROJECT NO.	180608
DISCIPLINE	CIVIL
SHEET NAME	PP-03
SHEET	7
OF	20



**LEGEND:**

- TYPE "C" PAVEMENT REPLACEMENT
- SIDEWALK REPLACEMENT AREA (BRICK OR CONCRETE)
- SEE WATER MAIN PROFILE # P-5 & P-6
- ADDITIONAL 304 AGGREGATE BASE AND TYPE "C" PAVEMENT REPLACEMENT DUE TO WATERMAIN REPAIRS.
- 228 ADDITIONAL SF OF 304 AGGREGATE BASE & PAVEMENT REPAIRS

**DRAWING PLAN WRITTEN NOTES:**

- AT LOCATIONS WHERE THE PROPOSED 12" WATERLINE CONNECTS TO THE EXISTING WATERMAIN, CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS TO EXPOSE/INVESTIGATE THE TIE-IN LOCATIONS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY POSSIBLE CONFLICTS. AT THIS TIME THE ENGINEER SHALL ADJUST THE LOCATION OF THE TIE-IN AND NO ADDITIONAL COST OR DEDUCTION SHALL BE ADDED TO THE CONTRACT.

**DRAWING PROFILE WRITTEN NOTES:**

- CONTRACTOR SHALL VERIFY UTILITY ELEVATIONS AT CROSSINGS AND DEFLECT WATERLINE AS NECESSARY TO MAINTAIN A MINIMUM CLEARANCE 18 INCHES. MAXIMUM PIPE DEFLECTION OF THE WATERLINE SHALL BE 15" PER FULL PIPE LENGTH. IN LIEU OF PIPE DEFLECTION, 12" X 11.25", 22.5", 45" BENDS MAY BE USED. RESTRAINT LENGTHS HAVE BEEN SHOWN FOR THE 3 FITTINGS AND SHALL APPLY BASED ON CONTRACTORS USE OF BENDS.