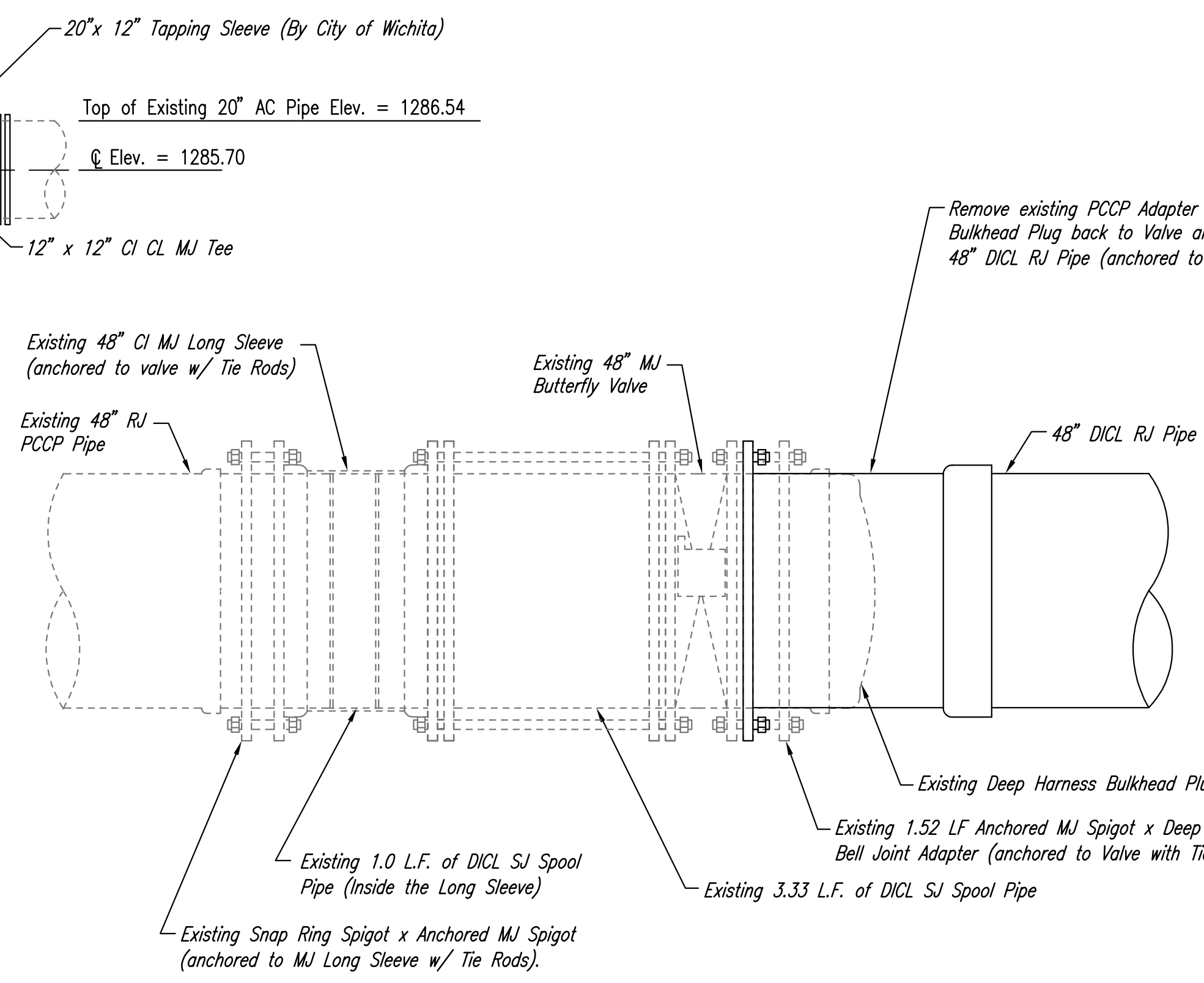


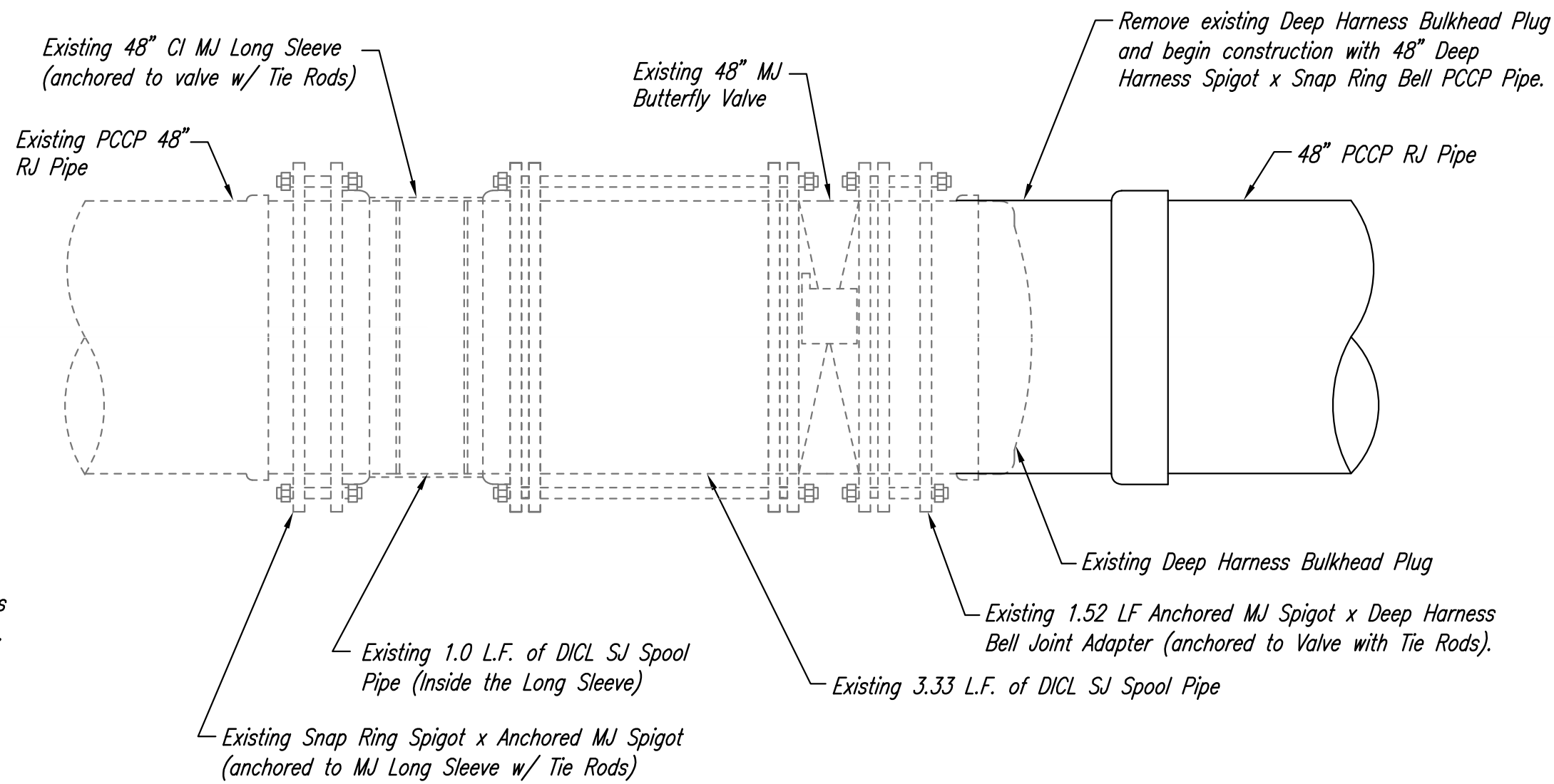
SECTION A-A



48" CONNECTION DETAIL (WL NO. 1, STATION 0+00.00) **

DI CL OPTION

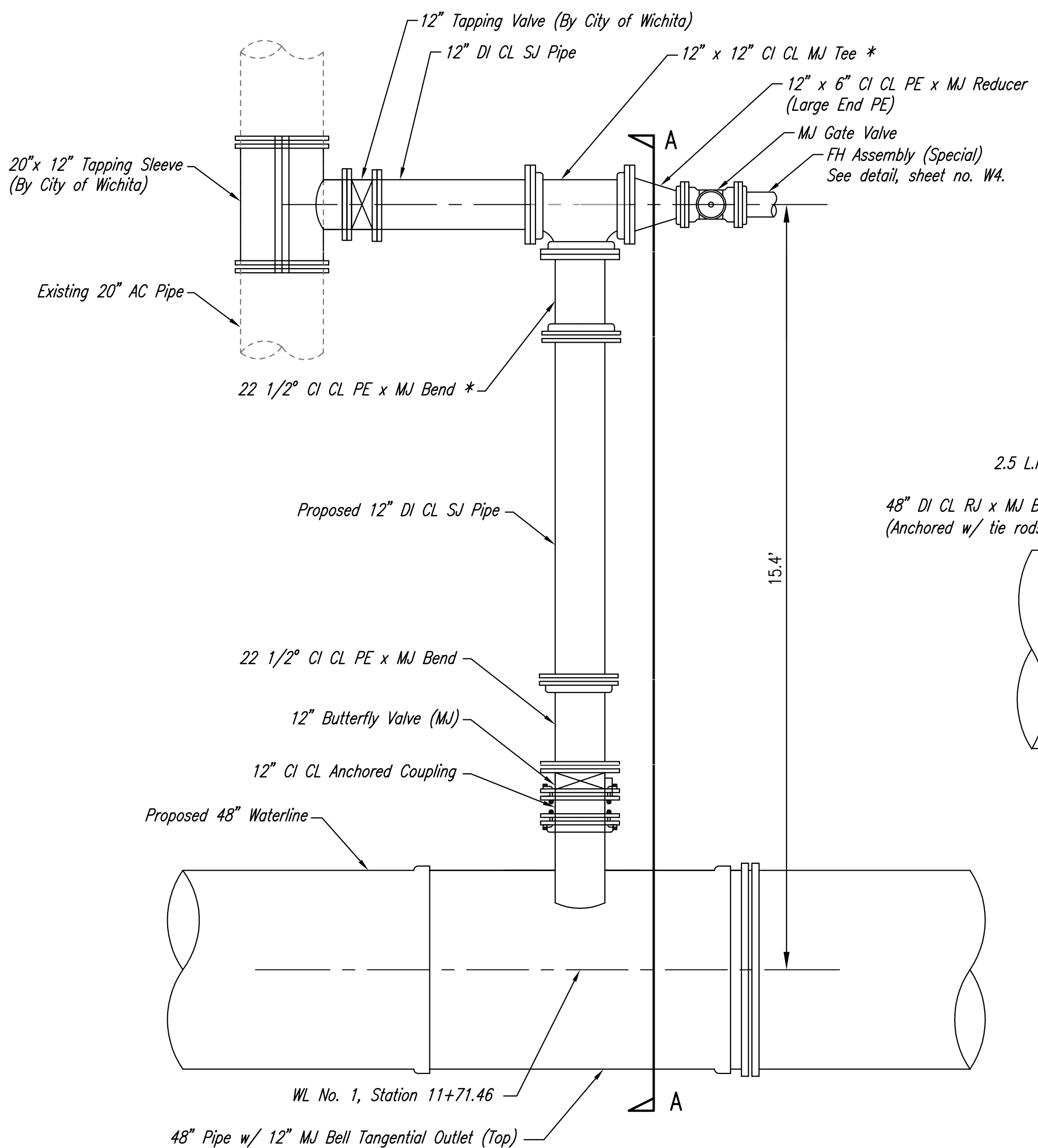
** THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE AND/OR TIE RODS TO RESTRAIN ALL PIPING AT THE VALVE LOCATIONS.



48" CONNECTION DETAIL (WL NO. 1, STATION 0+00.00) **

PCCP OPTION

** THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE AND/OR TIE RODS TO RESTRAIN ALL PIPING AT THE VALVE LOCATIONS.

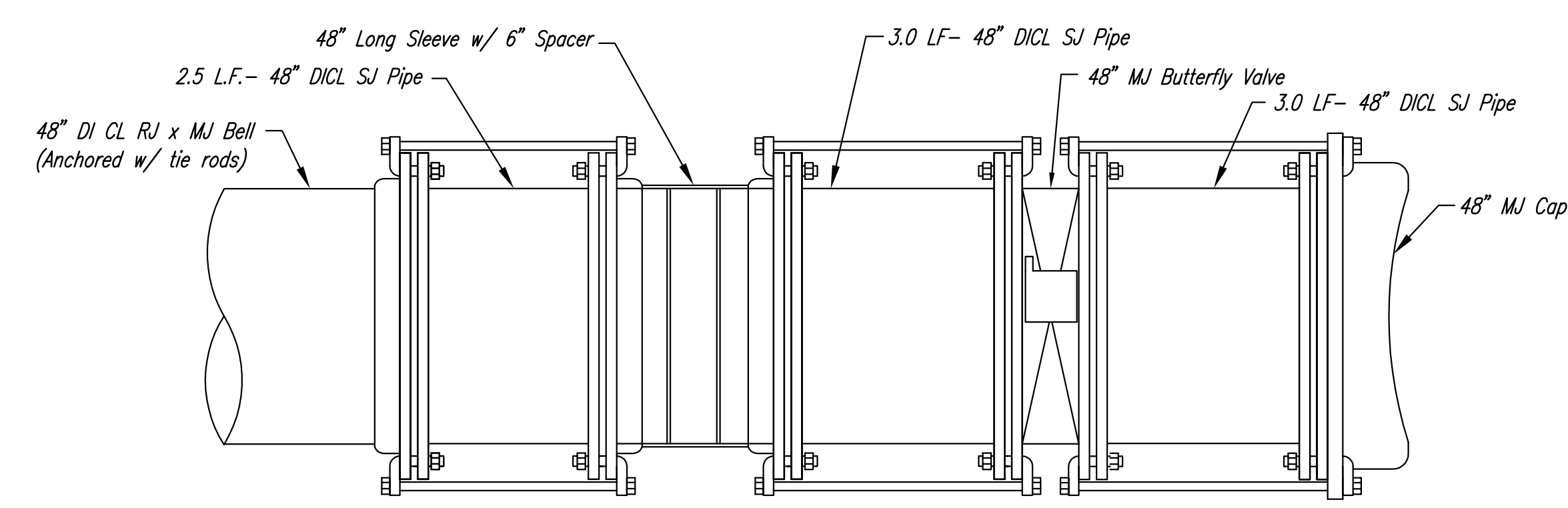


PLAN

CONNECT 48" WATERLINE TO 20" WATERLINE

No Scale

* USE SPOOL LENGTH AS NECESSARY BETWEEN THE TOP 22 1/2" BEND AND TEE IF MORE THAN 15.4 FT. OFFSET IS NEEDED FOR CONNECTION.

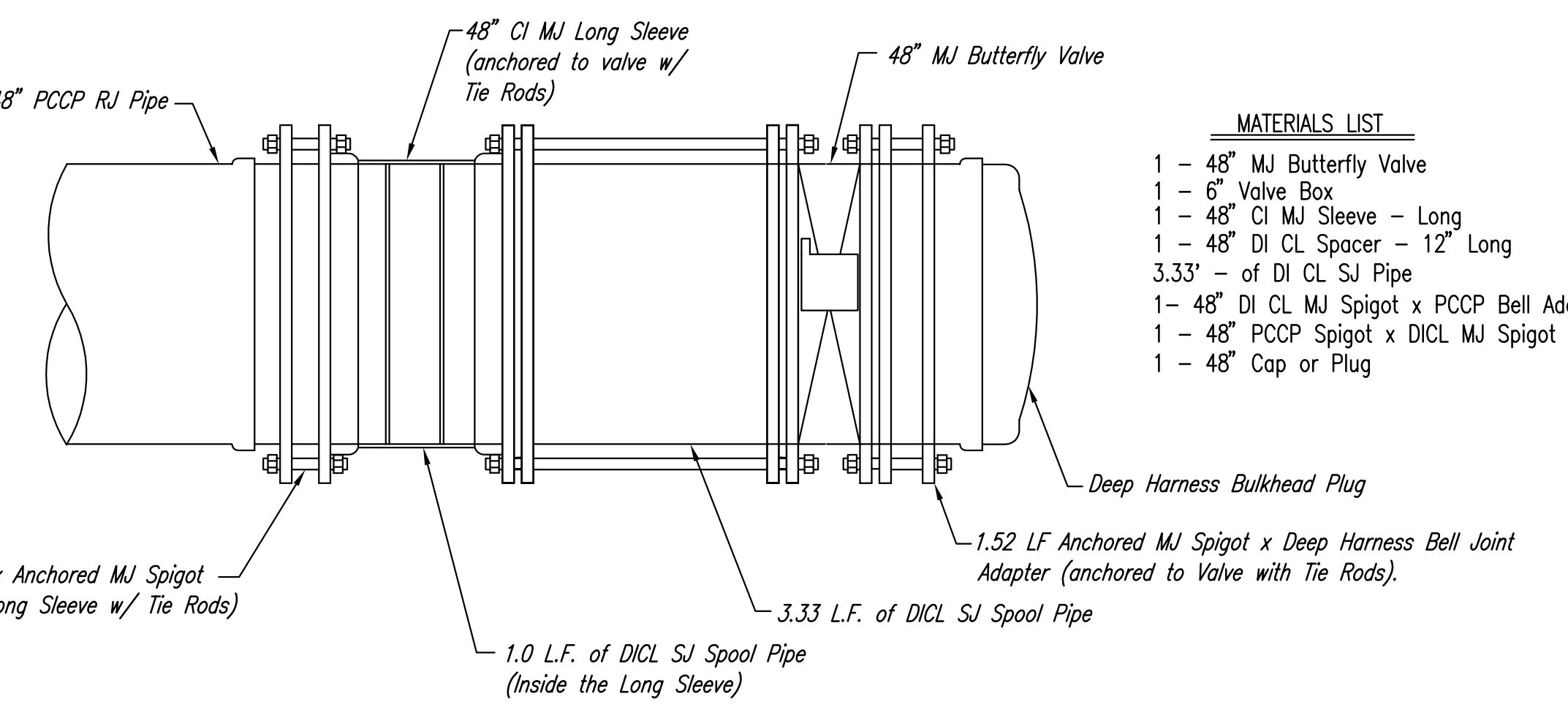


48" LINE VALVE DETAIL (WL 1, Sta. 11+90.46) **

DI CL OPTION

** THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE AND TIE RODS TO RESTRAIN ALL PIPING AT THE VALVE LOCATIONS.

- MATERIALS LIST**
- 1 - 48" MJ Butterfly Valve
 - 1 - 6" Valve Box
 - 1 - 48" CI MJ Sleeve - Long
 - 1 - 48" DI CL Spacer - 6" Long
 - 8.5' - of DI CL SJ Pipe
 - 1 - 48" MJ Cap



48" LINE VALVE DETAIL (WL 1, Sta. 11+90.46) **

PCCP OPTION

** THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE AND/OR TIE RODS TO RESTRAIN ALL PIPING AT THE VALVE LOCATIONS.

- MATERIALS LIST**
- 1 - 48" MJ Butterfly Valve
 - 1 - 6" Valve Box
 - 1 - 48" CI MJ Sleeve - Long
 - 1 - 48" DI CL Spacer - 12" Long
 - 3.33' - of DI CL SJ Pipe
 - 1 - 48" DI CL MJ Spigot x PCCP Bell Adapter
 - 1 - 48" PCCP Spigot x DI CL MJ Spigot Adapter
 - 1 - 48" Cap or Plug

CONNECTION DETAIL NOTES

1. CONTRACTOR SHALL NOTIFY CITY WATER DEPARTMENT A MINIMUM OF 48 HOURS BEFORE ANY CONSTRUCTION BEGINS. TIE-INS SHALL OCCUR DURING PERIODS OF LOW WATER USE. CONTRACTOR SHALL SUBMIT A SCHEDULE DEPICTING DATE AND TIME OF SHUTDOWN TO THE CITY WATER DEPARTMENT FOR APPROVAL AT LEAST 2 WEEKS IN ADVANCE OF SHUTDOWN.
2. CONTRACTOR SHALL EXCAVATE THE EXISTING WATERLINE TO VERIFY JOINT LAYOUT, DEPTH, AND CONNECTION DETAIL.
3. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF LAYING DIRECTION, SIZE, OR SPECIFIED MATERIAL TYPE DIFFERS FROM THE DETAILED DRAWING. THERE WILL NOT BE A CHANGE ORDER FOR OPPOSITE LAYING DIRECTION OR FOR MATERIAL TYPE DIFFERENCES.
4. CONTRACTOR SHALL HAVE FITTINGS, VALVES, AND APPURTENANCES ON SITE TO COMPLETE THE CONNECTION TO THE EXISTING WATERLINE BEFORE REMOVING ANY EXISTING WATERLINES.
5. ALL OVER EXCAVATED AREAS AT THE TIE IN LOCATION SHALL BE FILLED OR ENCASED WITH EXCAVATABLE FLOWABLE FILL.
6. THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE, TIE RODS, OR OTHER APPROVAL METHODS TO RESTRAIN ALL VALVES, FITTINGS, AND PIPING AT THE VALVE AND CONNECTION LOCATIONS.
7. ALL COUPLINGS AND DUCTILE IRON FITTINGS AND APPURTENANCES SHALL BE POLY WRAPPED PER THE SPECIFICATIONS.
8. THE CONTRACTOR SHALL PROVIDE ALL PAVEMENT CUTS, EXCAVATION AND REMOVAL TO THE EXISTING WATER MAIN IN PREPARATION FOR THE TAP. THE CITY OF WICHITA WATER UTILITIES DEPARTMENT WILL INSTALL THE TAPPING SLEEVE AND VALVE. CONTACT GREG LOLLEY AT 268-4555 TO SCHEDULE. ALL PAVEMENT CUTS, EXCAVATION, THRUST BLOCKING, BACKFILLING, PAVEMENT RECONSTRUCTION, PIPE, FITTINGS, VALVES AND PIPE MATERIALS AND OTHER INCIDENTALS NECESSARY FOR THE NEW CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "CONNECTION TO EXISTING 20" WATER MAIN".

No.	Revision	By	Date
SOUTHEAST 48" WATERLINE - PHASE 1C WASHINGTON/WATERMAN TO LEWIS/IDA WATERLINE DETAILS JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 448-90417 Professional Engineering Consultants, P.A. 303 S. TOPKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	MDK, EJB	Job No.	35-05787-001-42
Drawn by	CSL	Date	March 2006
			Sht. W5 of 23

Sowed 12-31-2008 11:42:00 AM by CSI
 Plot Scale 1:1 01-02-2009 9:47:35 AM by MJC
 C:\2009\05787\001\Phase C\05787-001-Phase1C-Waterline.dwg