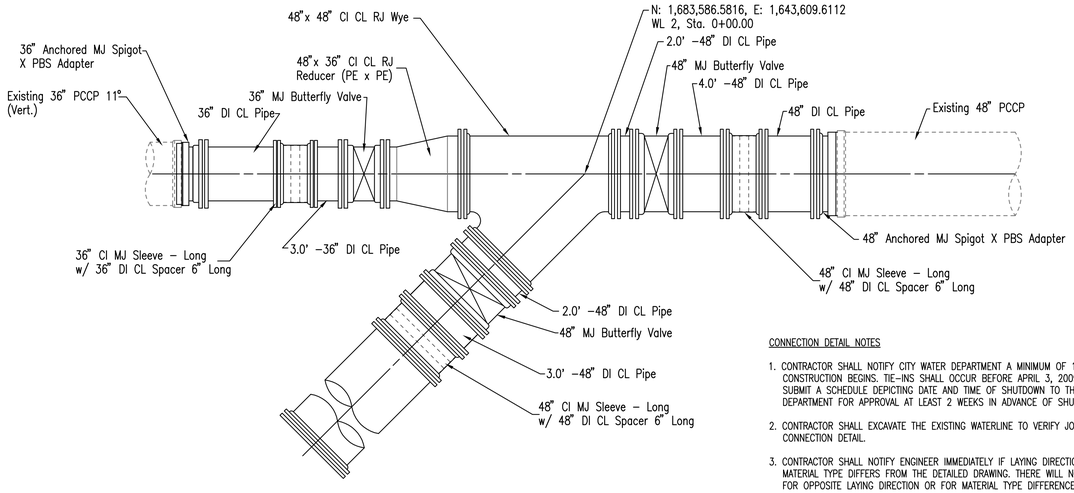


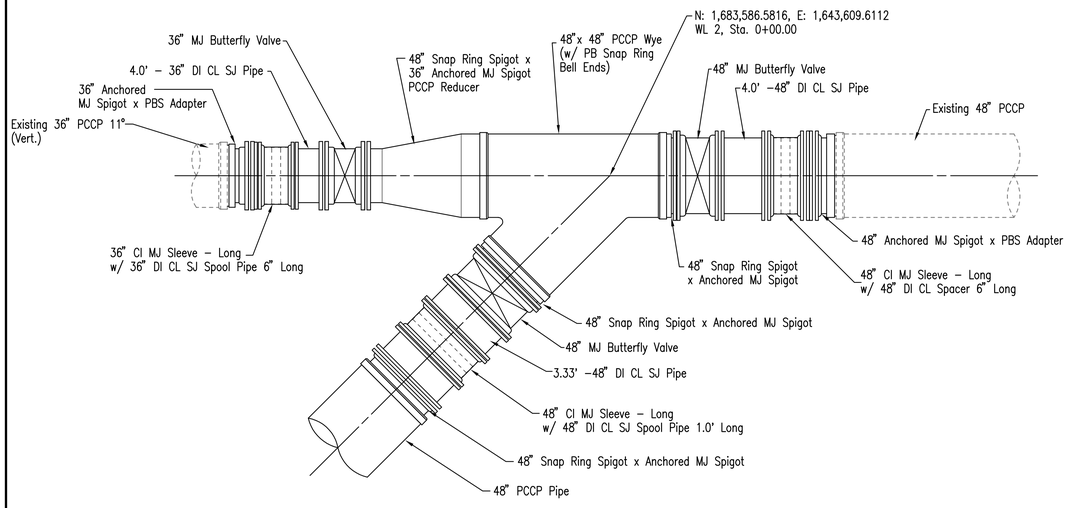
48" CONNECTION DETAIL (WL 2, Sta. 0+00.00) **

DI CL OPTION

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

CONNECTION DETAIL NOTES

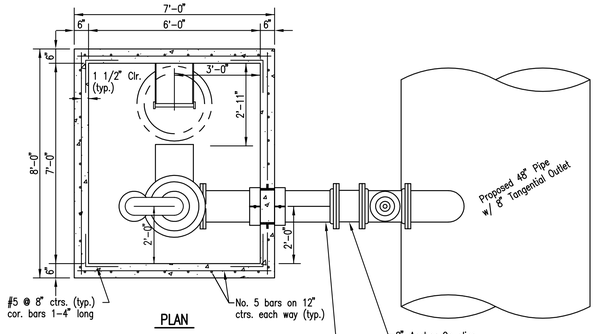
1. CONTRACTOR SHALL NOTIFY CITY WATER DEPARTMENT A MINIMUM OF 1 WEEK BEFORE ANY CONSTRUCTION BEGINS. TIE-INS SHALL OCCUR BEFORE APRIL 3, 2009. CONTRACTOR SHALL SUBMIT A SCHEDULE DEPICTING DATE AND TIME OF SHUTDOWN TO THE CITY WATER DEPARTMENT FOR APPROVAL AT LEAST 2 WEEKS IN ADVANCE OF SHUTDOWN.
2. CONTRACTOR 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. ALL PAVEMENT CUTS, EXCAVATION, FLOWABLE FILL, BACKFILLING, TEMPORARY 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 48" WATER MAIN".



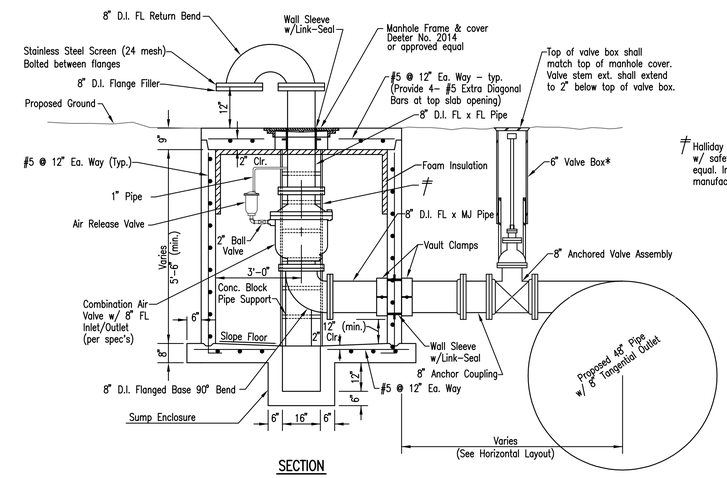
48" CONNECTION DETAIL (WL 2, Sta. 0+00.00) **

PCCP OPTION

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



PLAN



Halliday aluminum ladder w/ safety post or approved equal. Install per manufacturers specifications.

SECTION

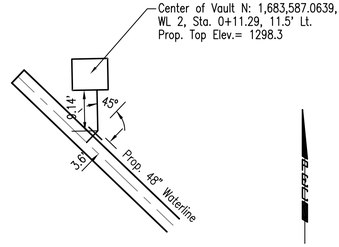
8" COMBINATION AIR VALVE VAULT

NO SCALE

NOTE: PROVIDE A "CONFINED ENTRY SPACE WARNING" SIGN, CHAMPION AMERICAN MODEL 73415HH OR APPROVED EQUAL, FOR VAULT AT LOCATION AS APPROVED BY THE ENGINEER. THE "CONFINED ENTRY SPACE WARNING" SIGN SHALL BE FASTENED TO THE TOP OF ALL VAULTS. IF NECESSARY FOR LANDSCAPING OR SITE CONSIDERATIONS, THE SIGN MAY BE FASTENED TO THE VAULT LID IF IT DOES NOT IMPEDE ACCESS OR AIR FLOW.

THE CONTRACTOR SHALL PROVIDE VERTICAL FITTINGS AS REQUIRED TO MEET THE REQUIREMENTS FOR DEPTH OF THE VAULT SHOWN IN THE DETAIL. THE TOP OF THE 8" PIPING INTO THE VAULT SHALL BE 5.2' (MIN.) BELOW

* VALVE BOXES SHALL BE FURNISHED WITH TAMPER PROOF LOCKING LIDS. McGARD INTIMIDATOR CURB-LOCK OR APPROVED EQUAL. TWO SOCKET WRENCH KEYS SHALL BE PROVIDED FOR EACH SIZE AND TYPE OF LOCKING LID. TYPICAL ALL VAULTS.



8" COMBINATION AIR VALVE VAULT HORIZONTAL LAYOUT

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. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3033

Designed by	MDK, EJB	Job No.	35-05787-001-42
Drawn by		Date	March 2006

Sht. W7 of 23

Saved 12-31-2008 2:47:24 PM by RJW
Plot Scale 1:4 01-02-2009 9:53:47 AM by MJC
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