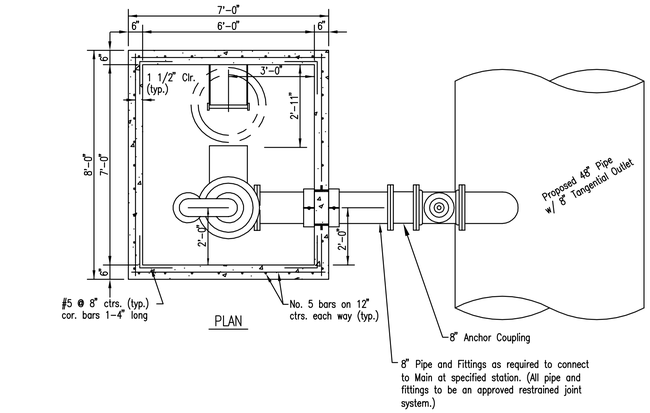
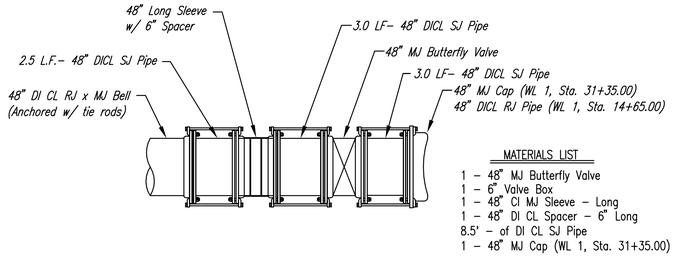


PLAN



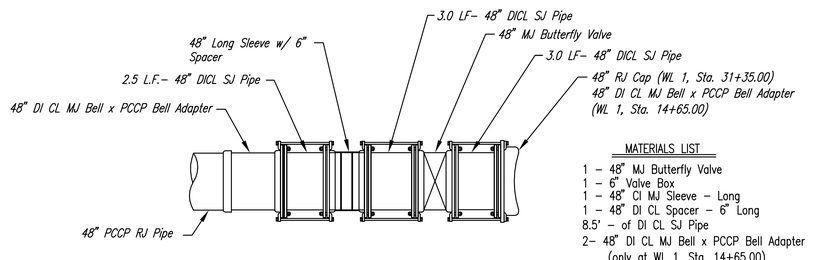
MATERIALS LIST

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 (WL 1, Sta. 31+35.00)

48" LINE VALVE DETAIL (WL 1, Sta. 14+65.00 and WL 1, Sta. 31+35.00) **

DI CL OPTION

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



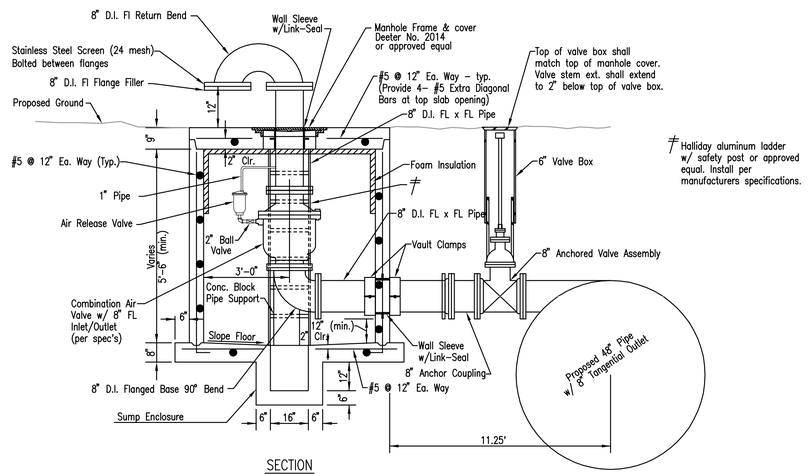
MATERIALS LIST

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
2- 48" DI CL MJ Bell x PCCP Bell Adapter (only at WL 1, Sta. 14+65.00)
1 - 48" MJ Cap (only at WL 1, Sta. 31+35.00)

48" LINE VALVE DETAIL (WL 1, Sta. 14+65.00 and WL 1, Sta. 31+35.00) **

PCCP OPTION

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



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

SECTION

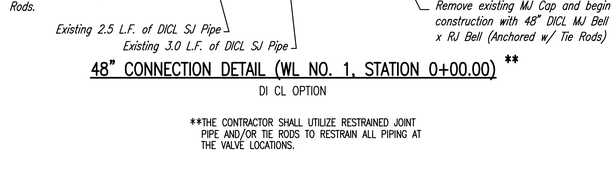
8" COMBINATION AIR VALVE VAULT (WL 1, STATION 31+00.00)

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 PROPOSED GRADE.

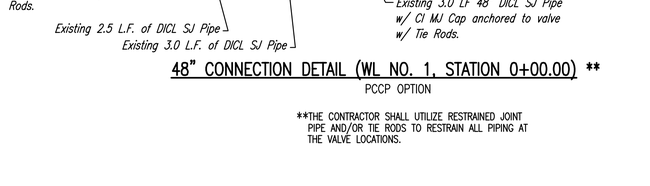
* VALVE BOXES SHALL BE FURNISHED WITH TAMPER PROOF LOCKING LIDS. McGARD INTIMIDATOR CURB-LOCK OR APPROVED EQUAL. TWO SOCKET WRENCH KEYS SHALL BE PROVIDED FOR EACH SIZE AND TYPE OF LOCKING LID. TYPICAL ALL VAULTS.



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

DI CL OPTION

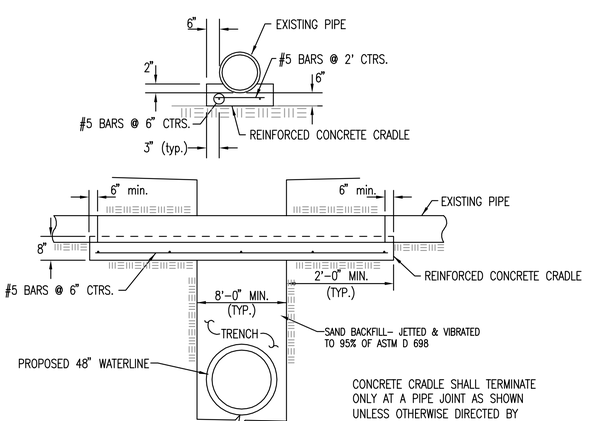
**THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE AND/OR TIE RODS TO RESTRAIN ALL PIPING AT THE VALVE LOCATIONS.



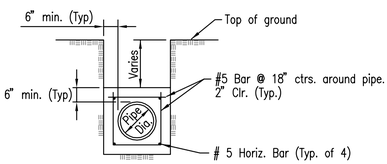
48" CONNECTION DETAIL (WL NO. 1, STATION 0+00.00) **

PCCP OPTION

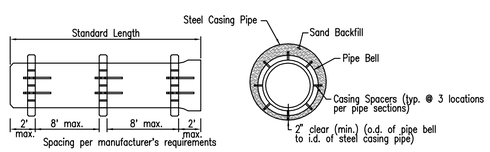
**THE CONTRACTOR SHALL UTILIZE RESTRAINED JOINT PIPE AND/OR TIE RODS TO RESTRAIN ALL PIPING AT THE VALVE LOCATIONS.



CONCRETE CRADLE DETAIL



CONCRETE ENCASEMENT DETAIL



STEEL ENCASEMENT DETAIL

For pipe larger than 12" dia.

No.	Revision	By	Date

SOUTHEAST 48" WATERLINE - PHASE 1B

WATERLINE DETAILS

JAMES L. ARMOUR, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-90182

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by MDK	Job No. 35-05787-001-42	Sht. W7 of 31
Drawn by CSL	Date March 2006	

Saved: 02-26-2007 4:51:54 PM by BEJ
Plotted: 02-26-2007 11:26:46 AM by BEJ
J:\SENTOUT\2006\06237\2007-02-26 Final to COW\DWG\W07-WaterlineDetails