



**CITY OF DULUTH**  
PURCHASING DIVISION  
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218/730-5340  
[purchasing@duluthmn.gov](mailto:purchasing@duluthmn.gov)

**Addendum 1**  
**Bid 20-03AA**  
**Pre-Insulated Pipe, Valves, Fittings & Accessories**

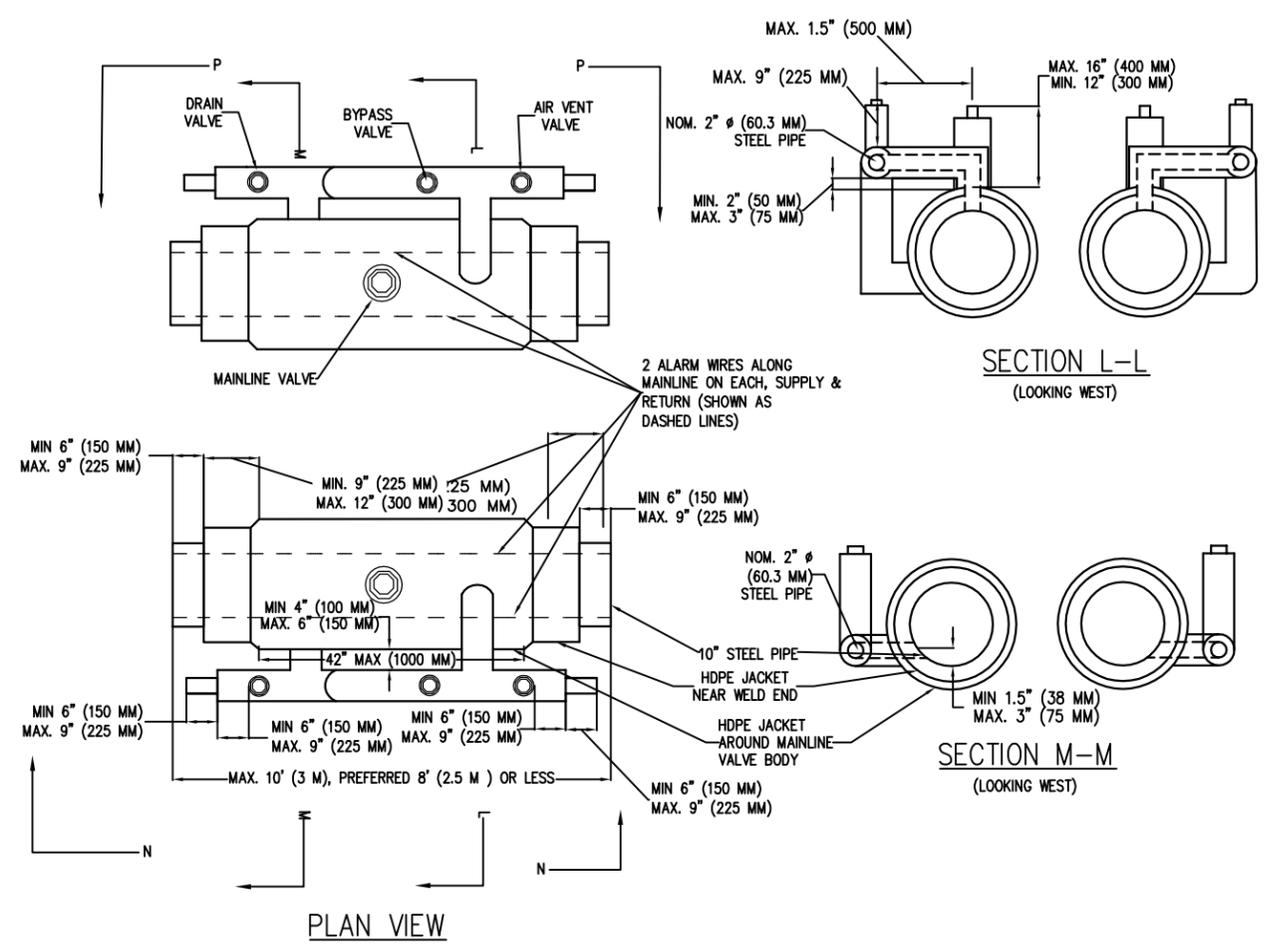
This addendum serves to notify all bidders of the following changes to the solicitation documents:

Drawings for the valve assemblies are attached.

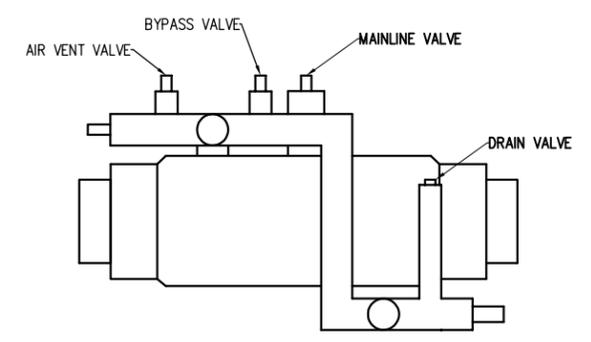
Please acknowledge receipt of this Addendum by checking the box in Bid Express.

Posted: **1/6/2020**

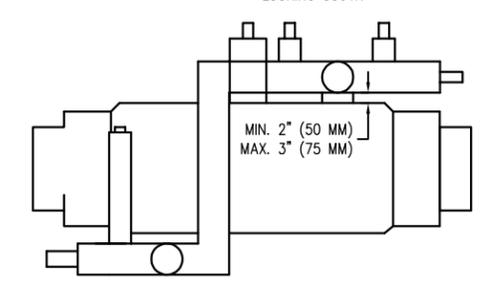
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TYPE 1 VALVE ASSEMBLY  
(MAINLINE VALVES 10", DN 250 W/ DRAIN,  
BYPASS & AIR VENT VALVES 2", DN 50)  
STA. 30+50

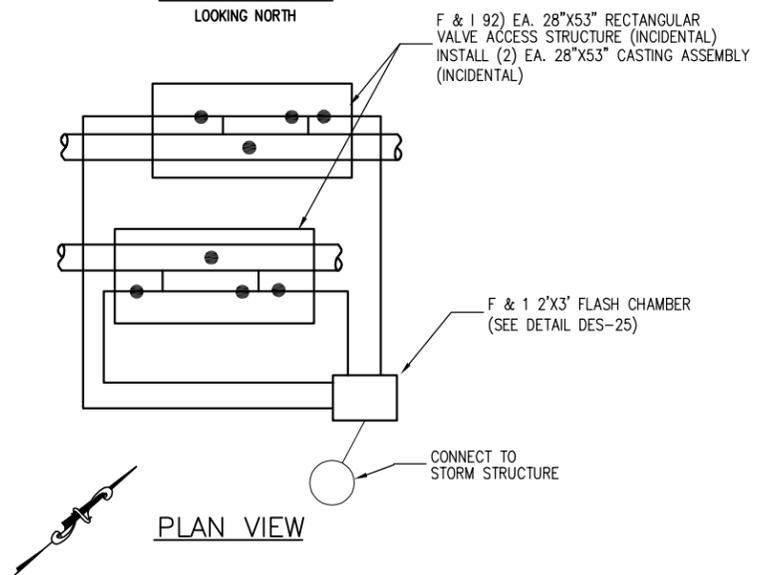


LONGITUDINAL SECTION P-P  
LOOKING SOUTH



LONGITUDINAL SECTION N-N  
LOOKING NORTH

VALVE ASSEMBLY DIMENSION TABLE MAINLINE VALVES WITH DRAIN, BYPASS & AIR VENT VALVES			
DESCRIPTION	NOMINAL SIZE	O.D. (mm)	THICKNESS (mm)
STEEL PIPE & VALVES (DRAIN, BYPASS & AIR VENT)	2" (DY 50)	60.3	3.2
HDPE JACKET NEAR WELD END	5.5" (DY 160)	160	3.0, EN-253 STD.
HDPE JACKET AROUND MAINLINE VALVE BODY	MANUF.	MANUF.	EN-253 STD.
STEEL PIPE & VALVES (MAINLINE)	10" (DY 250)	323.9	5.0
HDPE JACKET NEAR WELD END	18" (DY 450)	450	5.2, EN-253 STD.
HDPE JACKET AROUND MAINLINE VALVE BODY	MANUF.	MANUF.	EN-253 STD.



PLAN VIEW

TYPE 1 VALVE ASSEMBLY  
(MAINLINE VALVES 10", DN 250 W/ DRAIN  
BYPASS & AIR VENT VALVES 2", DN 50)  
STA. 30+50

DES-14

LHB PROJECT NO. 150714 EGE PROJECT NO. EGE-0058

I HEREBY CERTIFY that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

SEAN MCFARLING  
PRINTED NAME

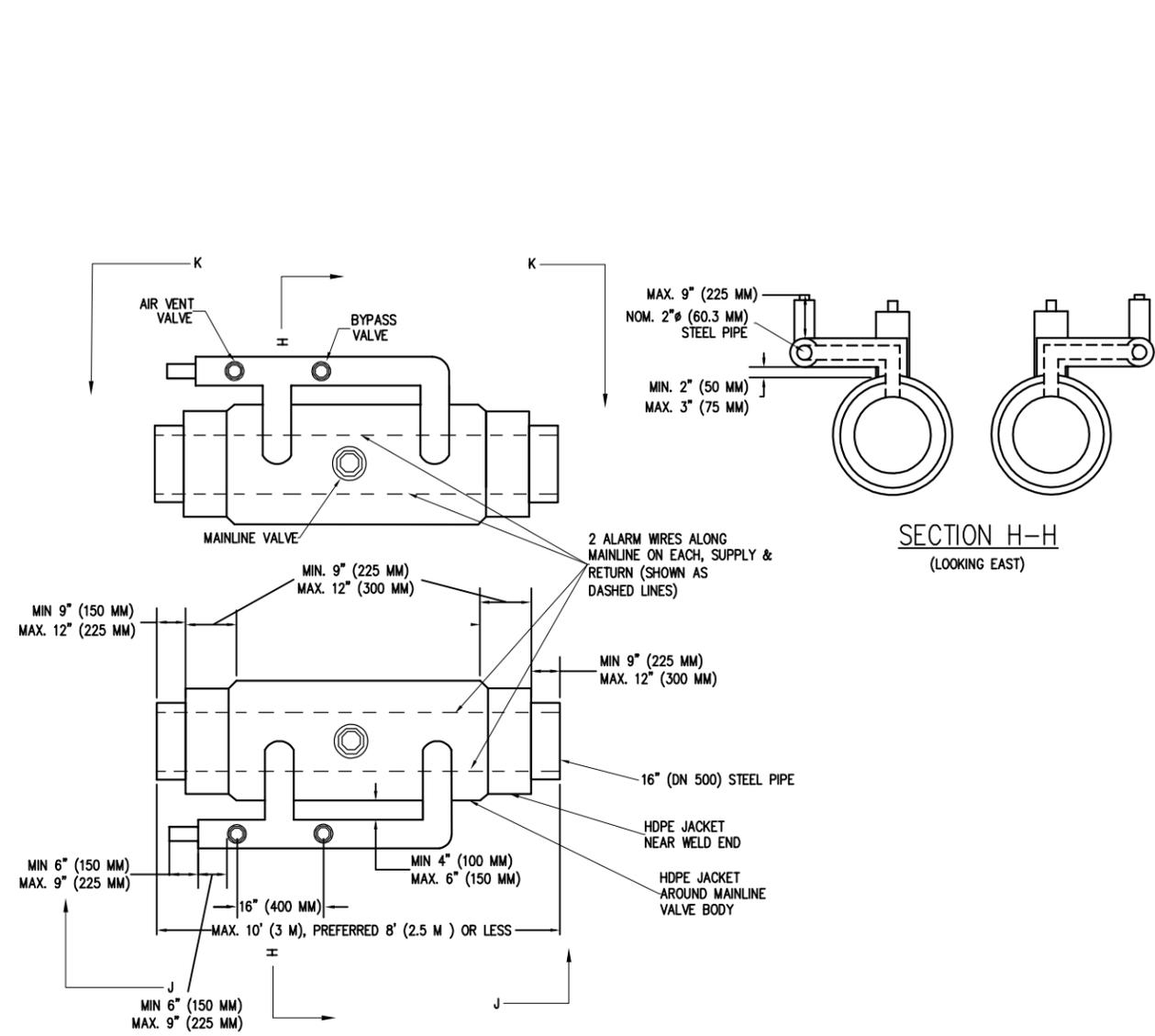
*Sean McFarling*  
SIGNATURE

12/11/17  
DATE  
47062  
LIC. NO.

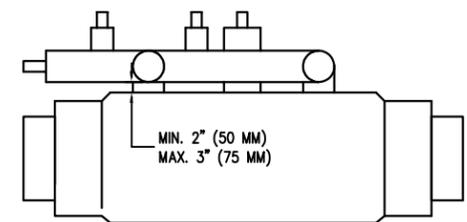
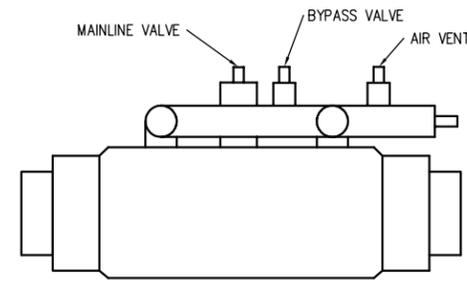
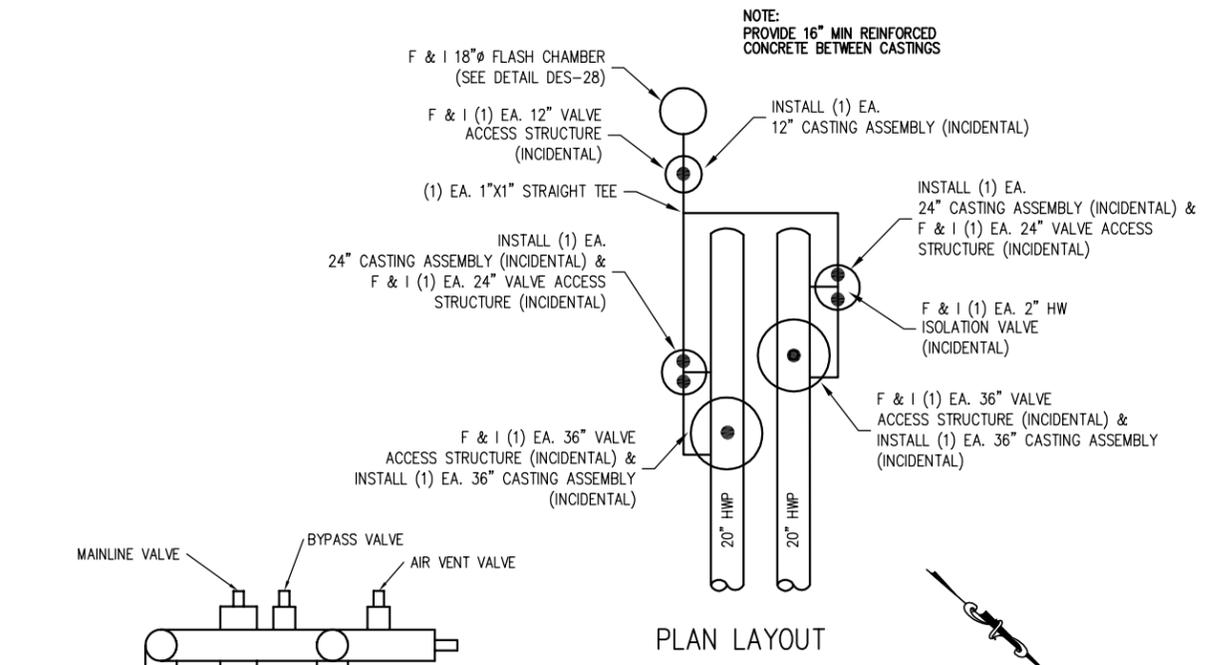
SUPERIOR STREET  
CITY PROJECT NO. 0923TR

S.A.P. NO. 118-171-006

HOT WATER
CONSTRUCTION DETAILS
SHEET NO. 515 OF 632 SHEETS



TYPE 2 VALVE ASSEMBLY  
 (MAINLINE VALVES 20", DN 500 W/  
 BYPASS & AIR VENT VALVES 2", DN 50)  
 1ST AVE WEST STA. 2+35



VALVE ASSEMBLY DIMENSION TABLE			
MAINLINE VALVES WITH BYPASS & AIR VENT VALVES			
DESCRIPTION	NOMINAL SIZE	O.D. (mm)	THICKNESS (mm)
STEEL PIPE & VALVES (BYPASS & AIR VENT)	2" (DN 50)	60.3	3.2
HDPE JACKET NEAR WELD END	6" (DY 160)		3.0, EN-253 STD.
HDPE JACKET AROUND MAINLINE VALVE BODY	MANUF.	MANUF.	EN-253 STD.
STEEL PIPE & VALVES (MAINLINE)	20" (DN 400)	500	6.3
HDPE JACKET NEAR WELD END	28" (DY 710)	710	6.0, EN-253 STD.
HDPE JACKET AROUND MAINLINE VALVE BODY	MANUF.	MANUF.	EN-253 STD.

TYPE 2 VALVE ASSEMBLY  
 (MAINLINE VALVES 20", DN 500 W/  
 BYPASS & AIR VENT VALVES 2", DN 50)  
 1ST AVE WEST STA. 2+35

DES-15

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SEAN MCFARLING  
 PRINTED NAME

*Sean McFarling*  
 SIGNATURE

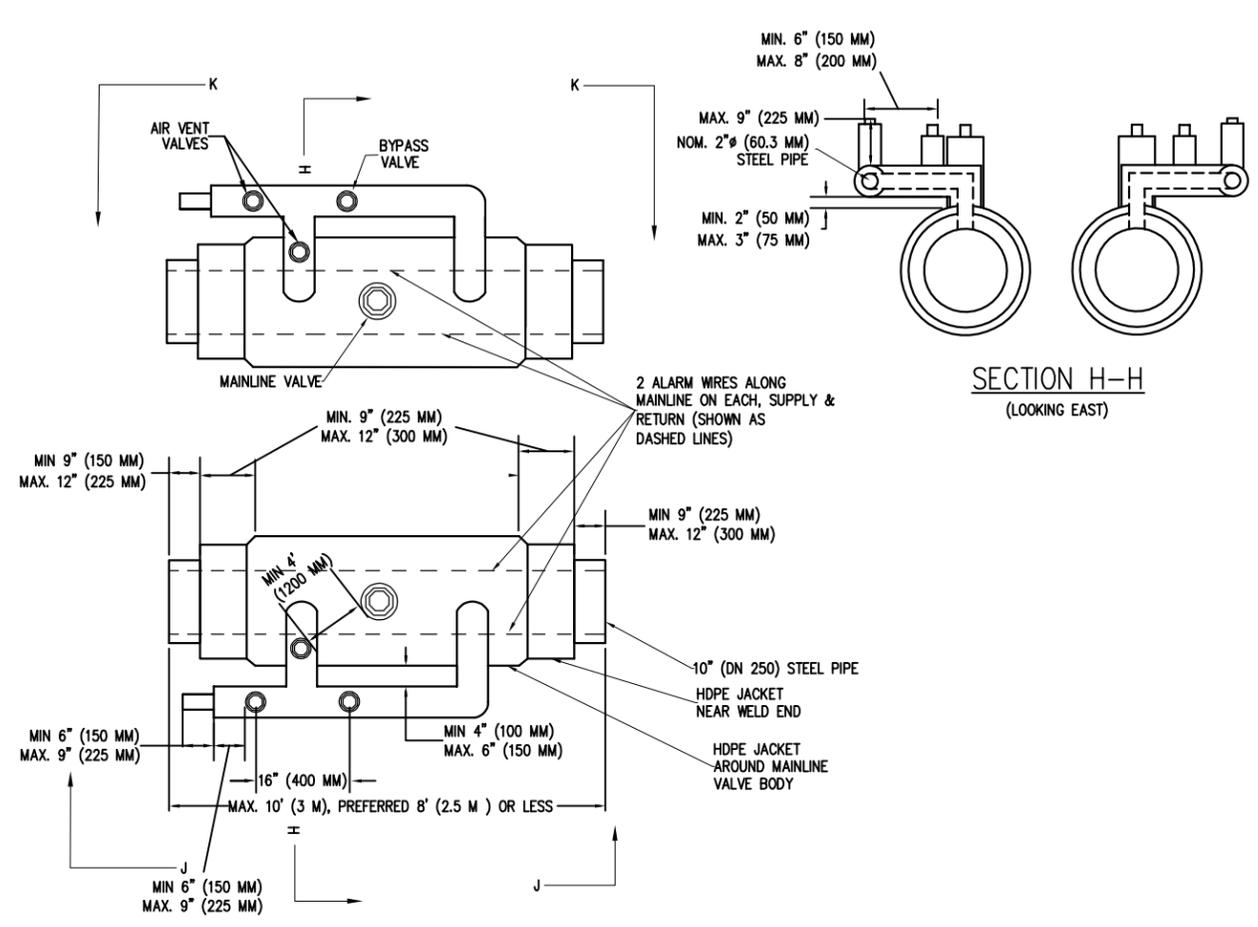
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 47062  
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SUPERIOR STREET  
 CITY PROJECT NO. 0923TR

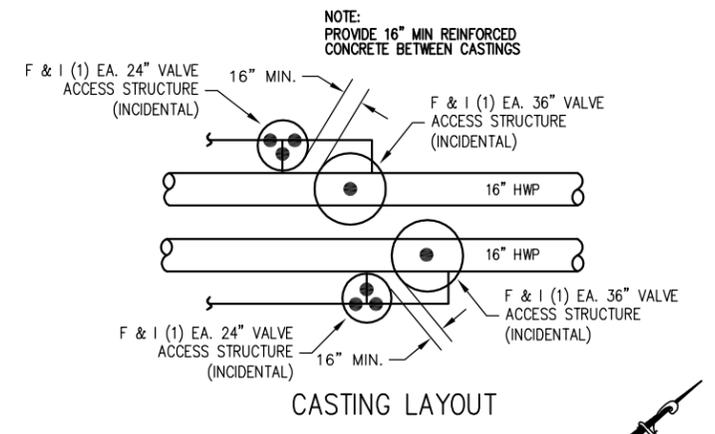
S.A.P. NO. 118-171-006

HOT WATER
CONSTRUCTION DETAILS
SHEET NO. 516 OF 632 SHEETS

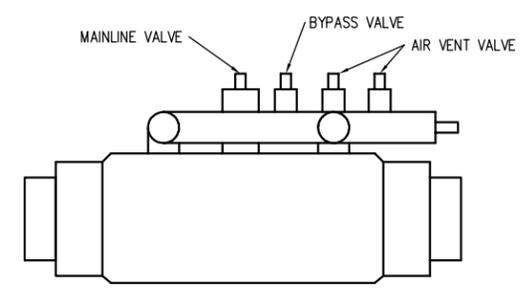
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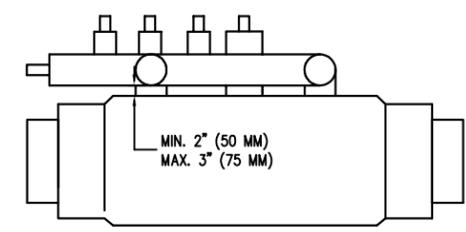
TYPE 3 VALVE ASSEMBLY  
(MAINLINE VALVES 10", DN 250 W/  
BYPASS & AIR VENT VALVES 2", DN 50)  
STA. 32+55



CASTING LAYOUT



LONGITUDINAL SECTION K-K  
(LOOKING SOUTH)



LONGITUDINAL SECTION J-J  
(LOOKING NORTH)

VALVE ASSEMBLY DIMENSION TABLE			
MAINLINE VALVES WITH BYPASS & AIR VENT VALVES			
DESCRIPTION	NOMINAL SIZE	O.D. (mm)	THICKNESS (mm)
STEEL PIPE & VALVES (BYPASS & AIR VENT)	2" (DN 50)	60.3	3.2
HDPE JACKET NEAR WELD END	6" (DY 160)	160	3.0, EN-253 STD.
HDPE JACKET AROUND MAINLINE VALVE BODY	MANUF.	MANUF.	EN-253 STD.
STEEL PIPE & VALVES (MAINLINE)	10" (DN 250)	273	50
HDPE JACKET NEAR WELD END	18" (DY 450)	450	5.2, EN-253 STD.
HDPE JACKET AROUND MAINLINE VALVE BODY	MANUF.	MANUF.	EN-253 STD.

TYPE 3 VALVE ASSEMBLY  
(MAINLINE VALVES 10", DN 250 W/  
BYPASS & AIR VENT VALVES 2", DN 50)  
STA. 32+55

DES-16

LHB PROJECT NO. 150714 EGE PROJECT NO. EGE-0058

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SEAN MCFARLING  
PRINTED NAME

*[Signature]*  
SIGNATURE

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SUPERIOR STREET  
CITY PROJECT NO. 0923TR

S.A.P. NO. 118-171-006

HOT WATER
CONSTRUCTION DETAILS
SHEET NO. 517 OF 632 SHEETS