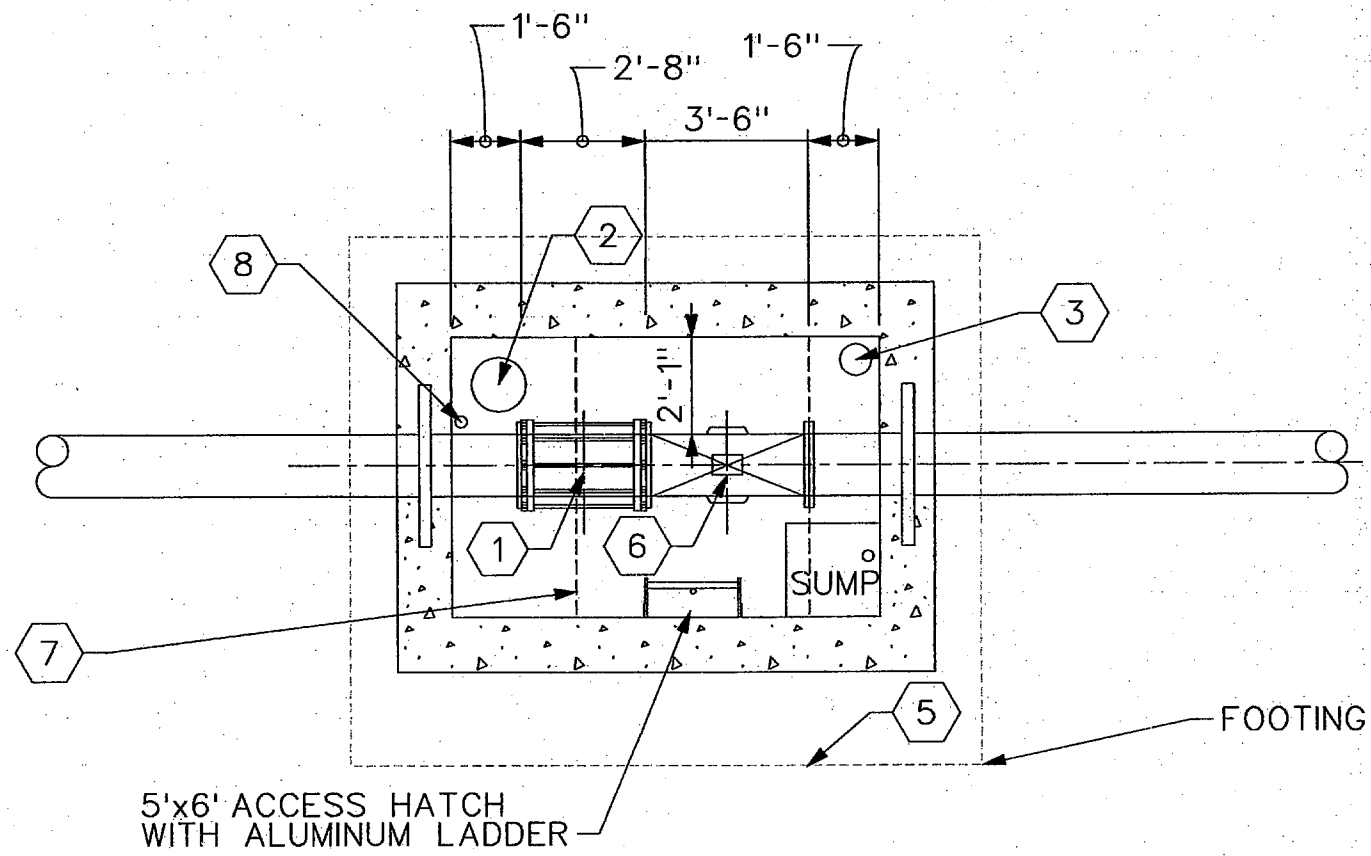
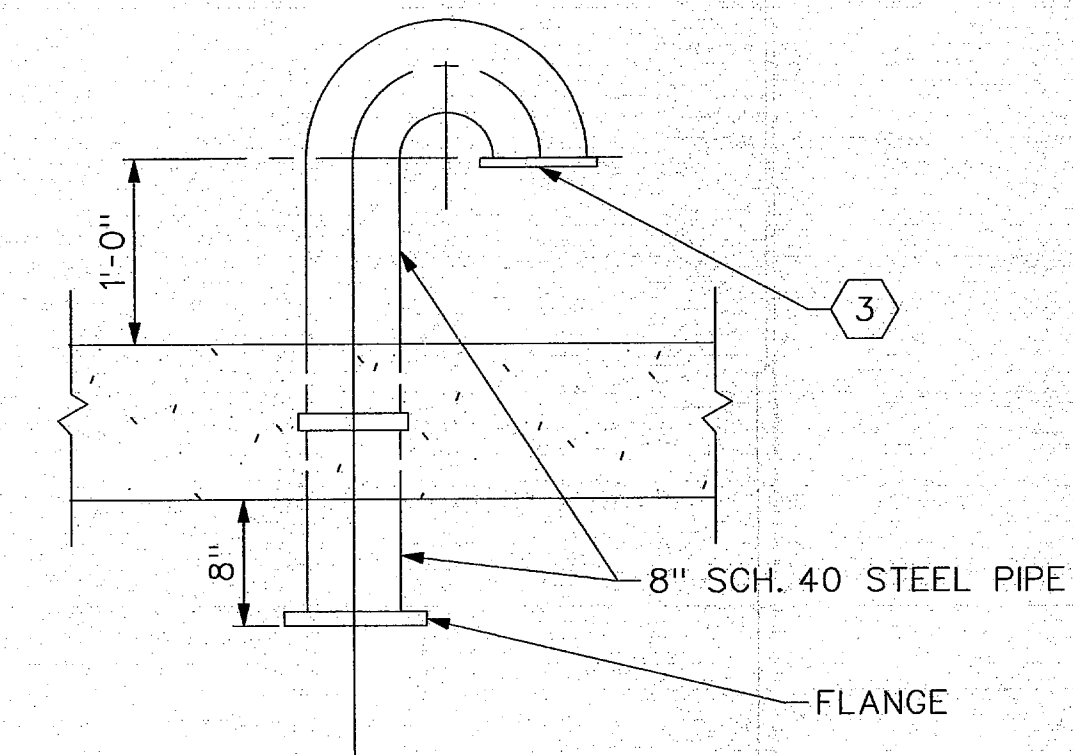


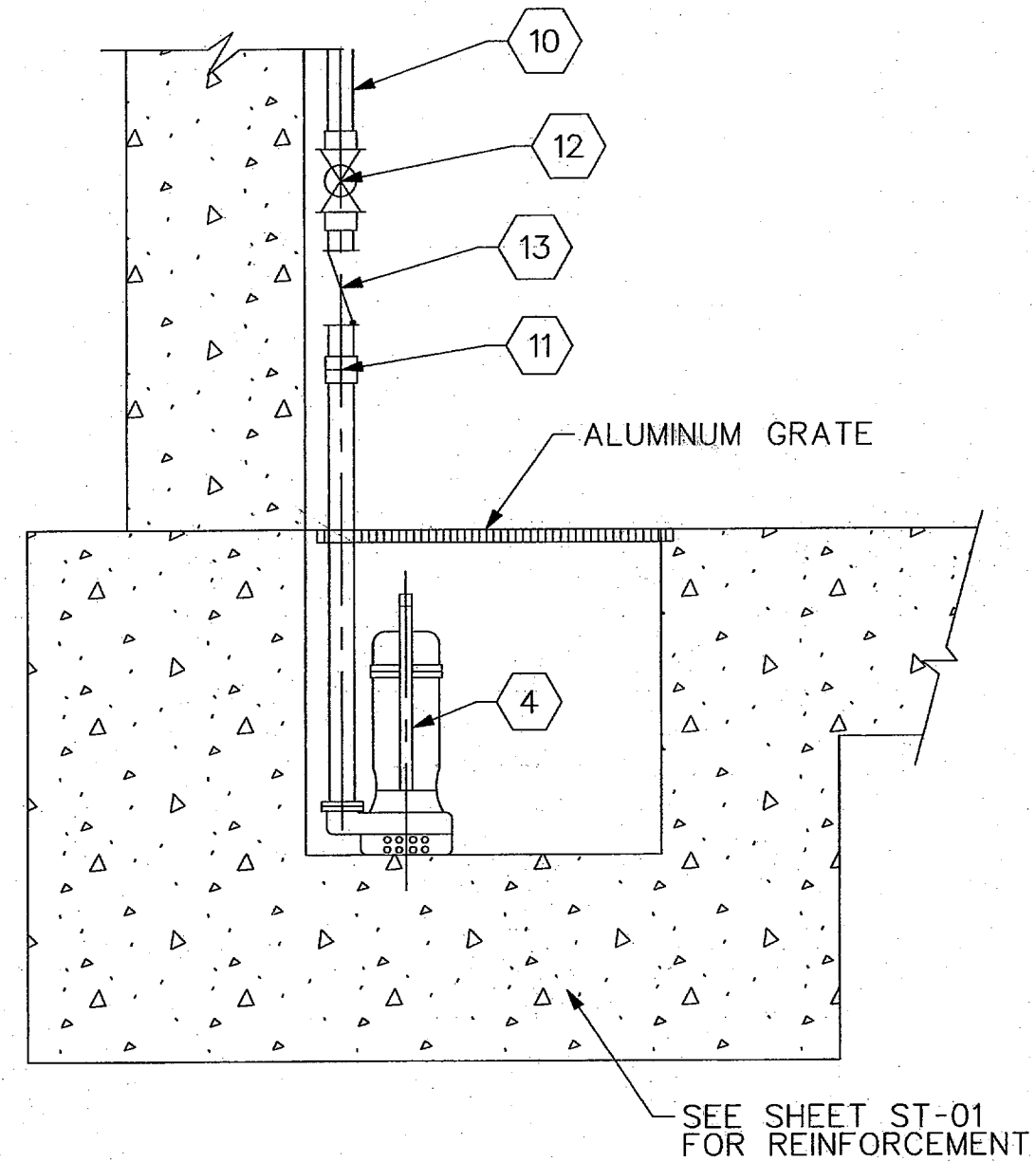
1 FLOW CONTROL VALVE VAULT ELEVATION VIEW  
1/4" = 1'-0"



2 FLOW CONTROL VALVE VAULT SECTIONAL PIPING PLAN  
1/4" = 1'-0"



3 8" AIR INTAKE PIPE/BUG SCREEN  
1" = 1'-0"



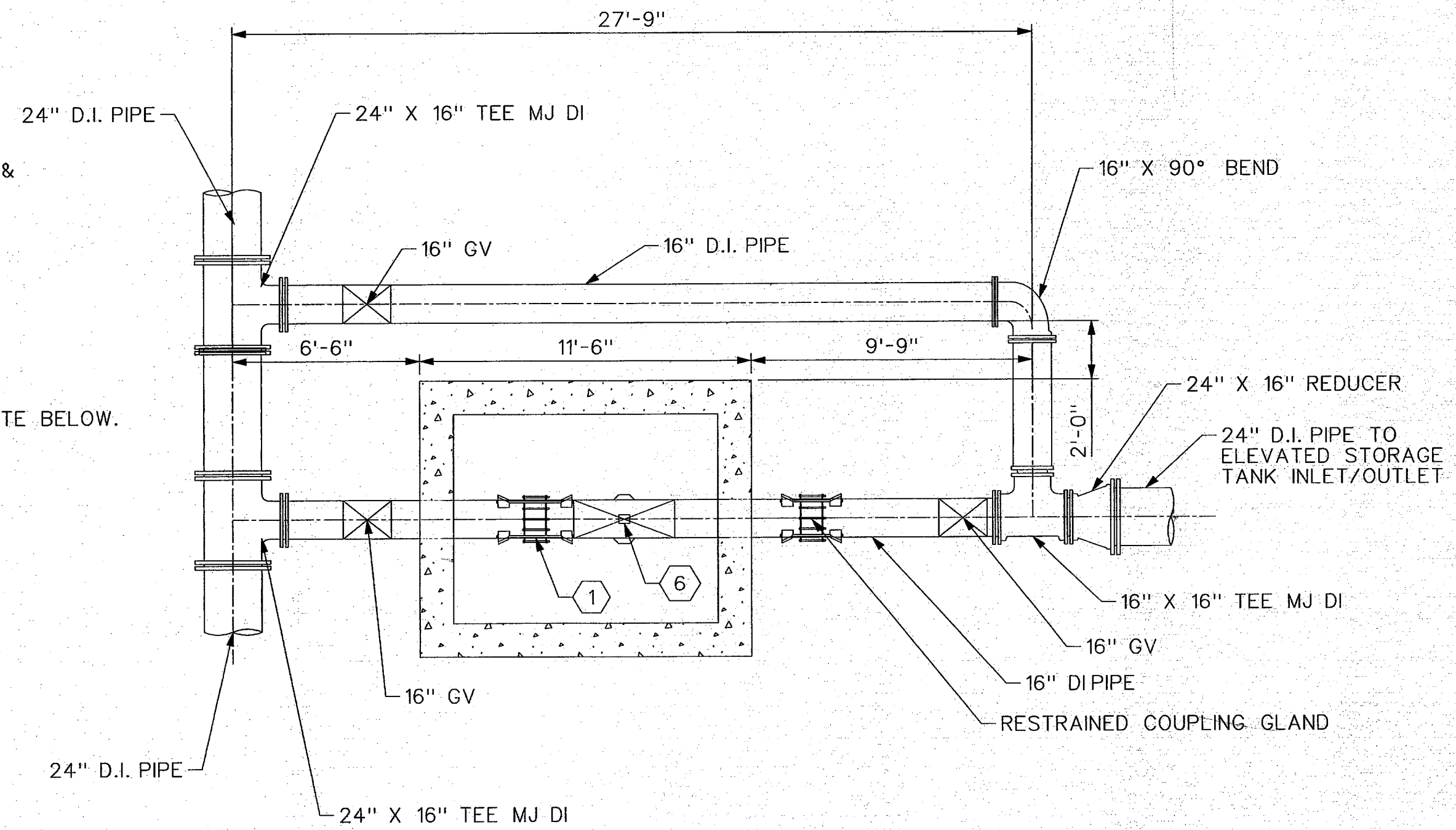
4 SUMP DETAIL  
NOT TO SCALE

NOTES BY SYMBOL "6"

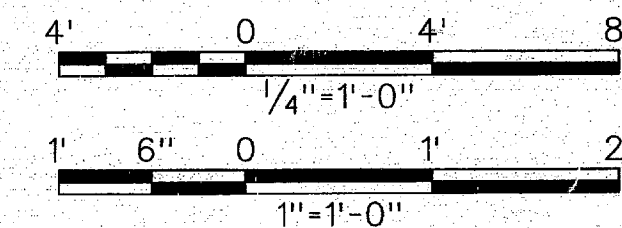
1. ROMAC RESTRAINED FLANGED COUPLING ADAPTER & 32"-16" DIA. FLANGED BY PLAIN END.
2. MOTORIZED VENT (EF-7).
3. 8" AIR INTAKE PIPE/ 16- MESH STAINLESS STEEL BUG SCREEN.
4. SUBMERSIBLE PUMP, PER SPECIFICATIONS.
5. 1' WIDE CONCRETE SIDEWALK.
6. 16" CONTROL VALVE SEE CONTROL VALVE SUB-NOTE BELOW.
7. 5'X6' BILCO HATCH, TYPE J-AL, ALUMINUM WITH STAINLESS STEEL HARDWARE, RATED FOR 300 PSF PEDESTRIAN LOAD, WITH DRAIN AND PVC DRAIN PIPE ROUTED TO SUMP IN VAULT.
8. PRESSURE GAUGE.
9. GALVANIZED STEEL PIPE STANDS.
10. 1 1/2" GALVANIZED STEEL DISCHARGE. (SECURE AS REQUIRED W/ UNISTRUT)
11. QUICK DISCONNECT 24" MIN A.F.F.
12. 1 1/2" BALL VALVE
13. 1 1/2" CHECK VALVE

CONTROL VALVE SUB-NOTE

CONTROL VALVE SHALL BE CLA-VAL MODEL 131-AU ELECTRONIC CONTROL VALVE FOR TWO-WAY FLOW, OR ALTERNATIVE AS APPROVED BY THE TOWN OF ADDISON. THE VALVE SHALL BE EQUIPPED WITH AN X117DLCW VALVE POSITION TRANSMITTER WITH SINGLE LIMIT SWITCH TO PROVIDE A 4-20 mA SIGNAL OF VALVE POSITION. A 131VC-2 CONTROLLER SHALL BE PROVIDED FOR THE VALVE TO BE POSITIONED TO A SET POINT, ANYWHERE FROM 0% TO 100% OPEN, REGARDLESS OF FLOW DIRECTION, THE VALVE POSITION SHALL BE ABLE TO BE CONTROLLED BY SCADA, BOTH AUTOMATICALLY AND MANUALLY. THE VALVE SHALL BE POWER FAIL OPEN.



5 CONTROL VALVE BYPASS  
1/4" = 1'-0"



CV-EST-DT-TYP04.SHT

CV-EST-DT-TYP04.SHT  
CV-EST-DT-TYP04.SHT  
CV-EST-DT-TYP04.SHT  
CV-EST-DT-TYP04.SHT  
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CV-EST-DT-TYP04.SHT

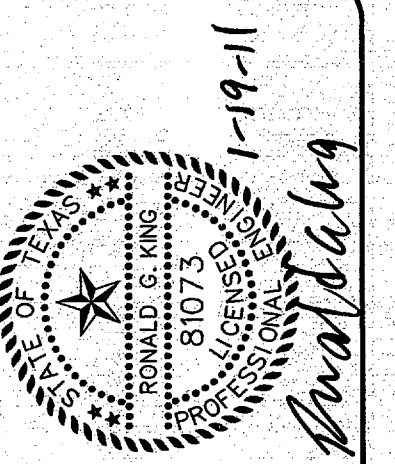
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CV-EST-DT-TYP04.SHT

J4B/der.dgn

348/der.dgn  
ADD08459 N:\F\Drawings\CV-EST-DT-TYP04.SHT  
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Date: 01/20/2011 08:42:00 AM Project: Freese and Nichols, Inc.

FREES AND NICHOLS, INC.  
TEXAS REGISTERED ENGINEERING FIRM F-2144



**FREES & NICHOLS**  
2220 San Jacinto Blvd., Suite 330  
Denton, TX 76205-4400  
Phone: (940) 387-4670  
Fax: (940) 387-4670  
Web: www.freese.com

TOWN OF ADDISON, TEXAS  
SURVEYOR 1.5 MG EST  
CIVIL  
FLOW CONTROL VALVE VAULT PLAN & SECTION

NO.	ISSUES	BY	DATE	FIRM JOB NO.	DATE	DESIGNED	DRAWN	REVISION	CHECKED	FILE NAME
				ADD08459	01/21/11					CV-EST-DT-TYP04.SHT