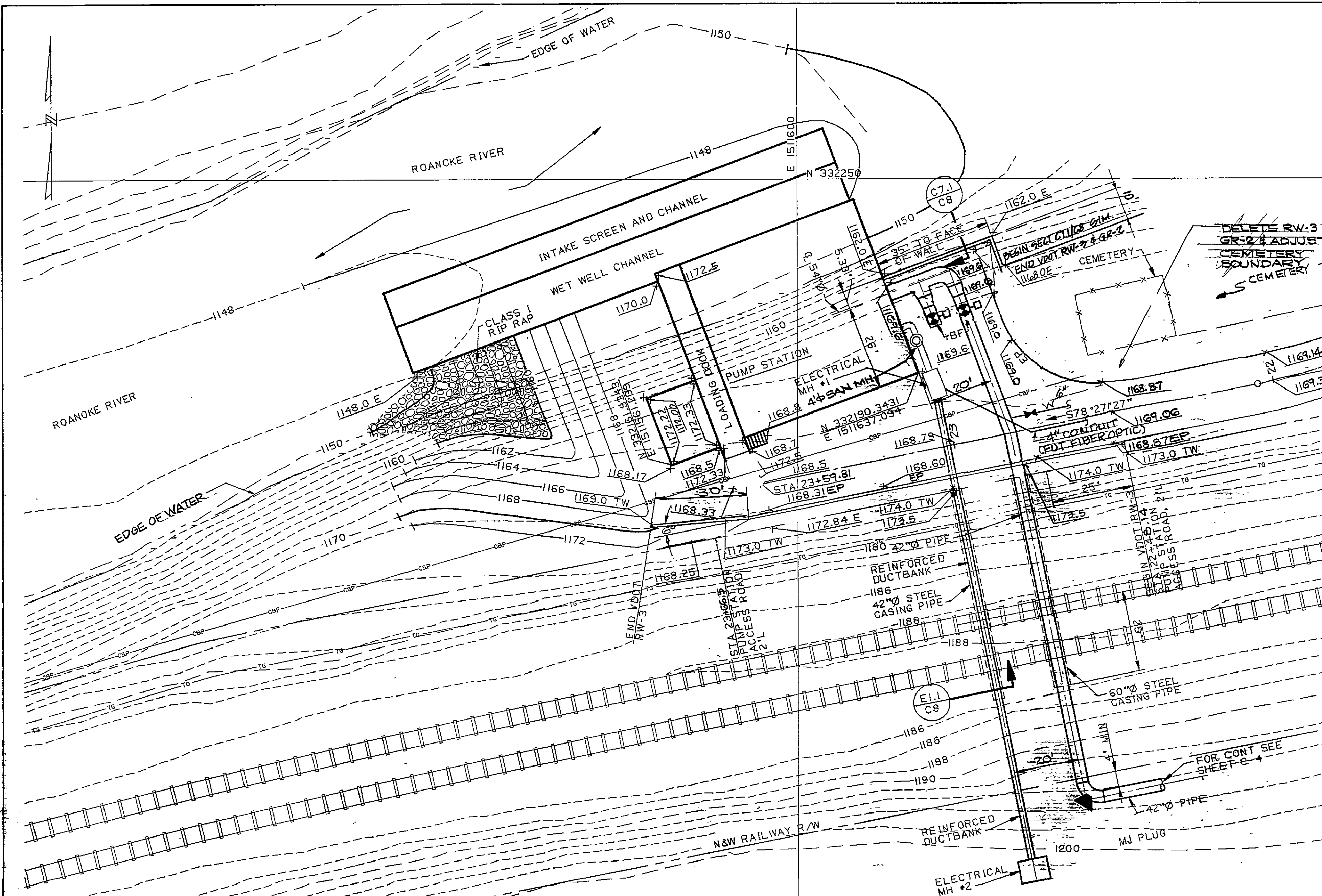
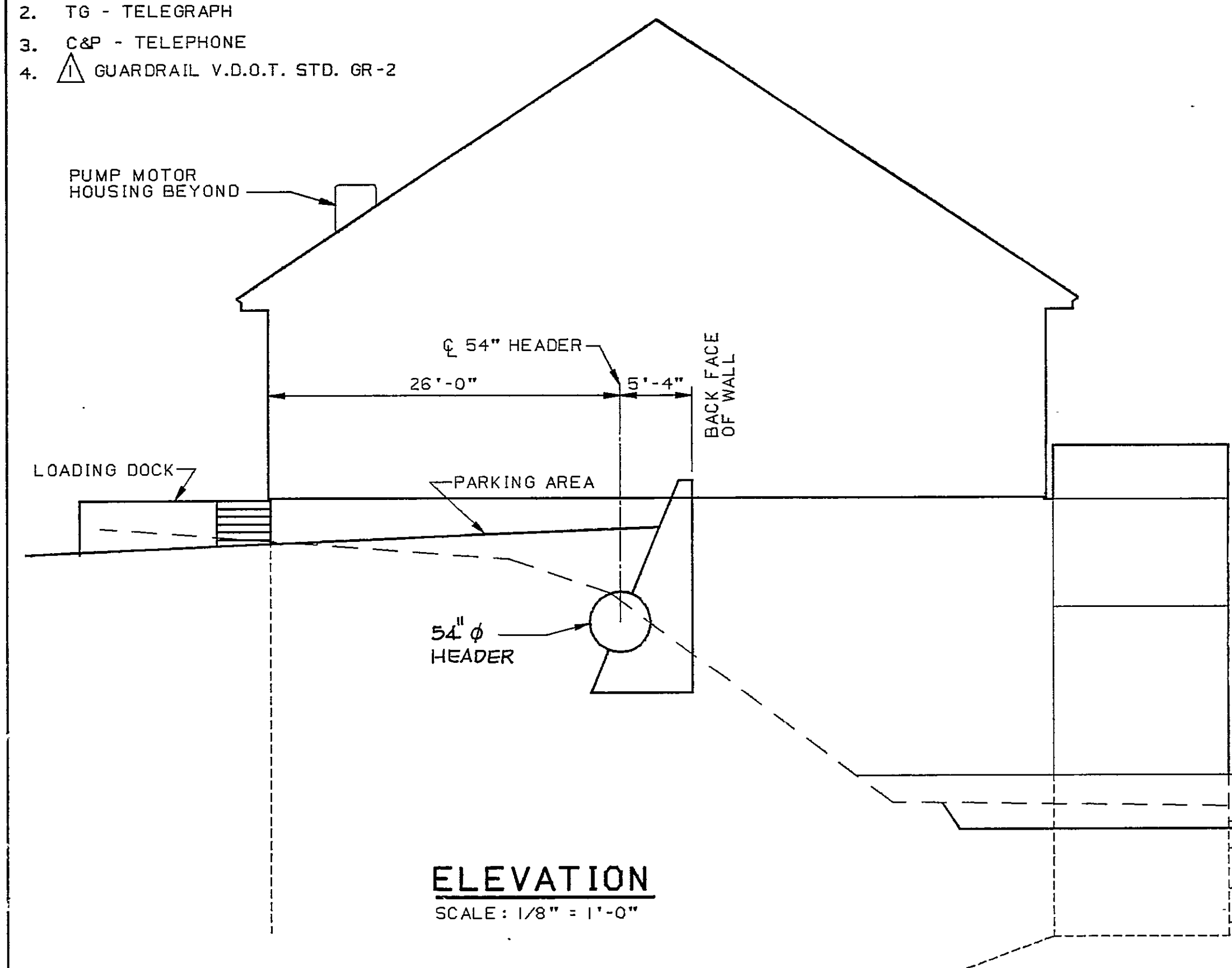




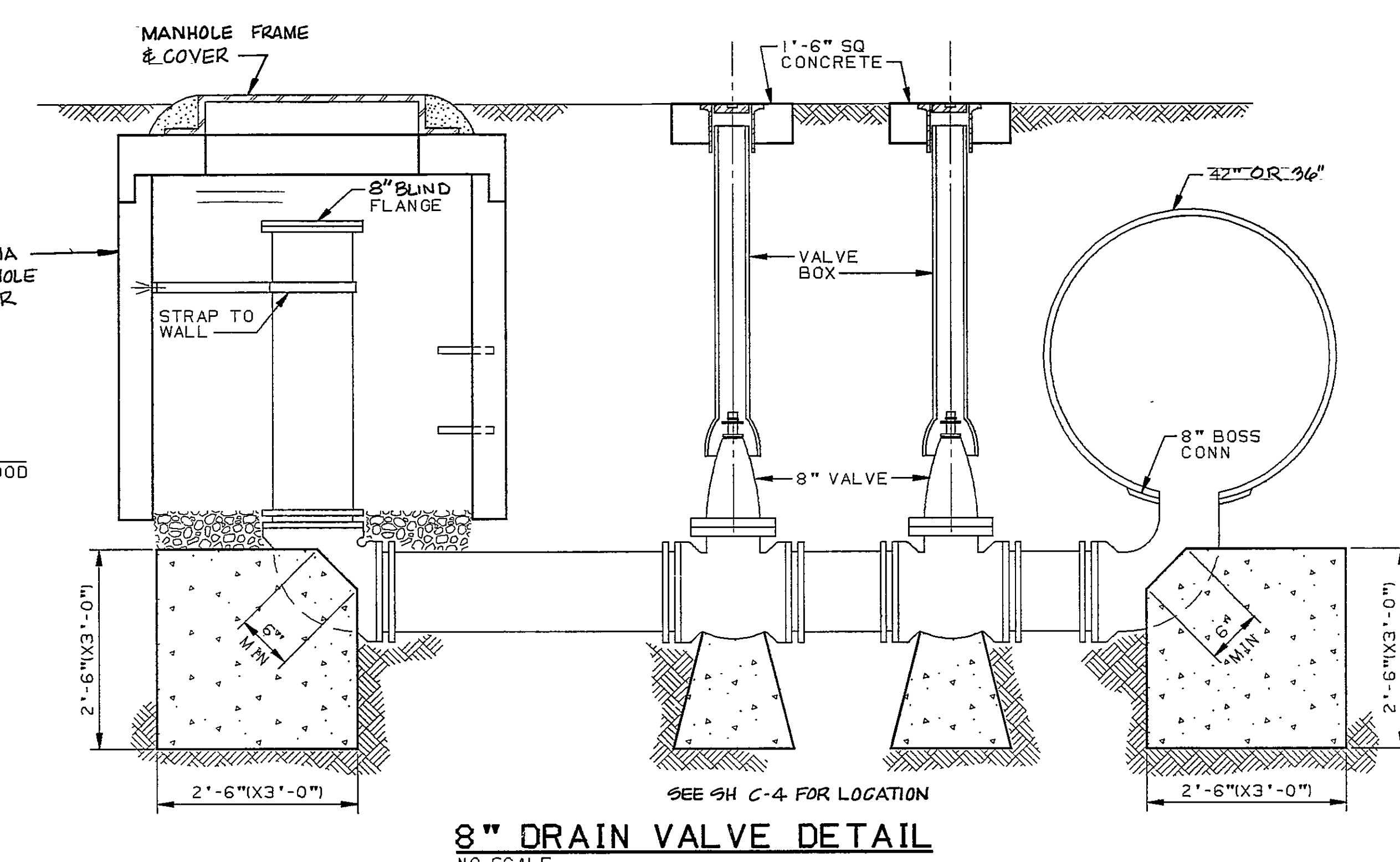
INTAKE/PUMP STATION SITE PLAN

SCALE 1" = 20'
NOTES:

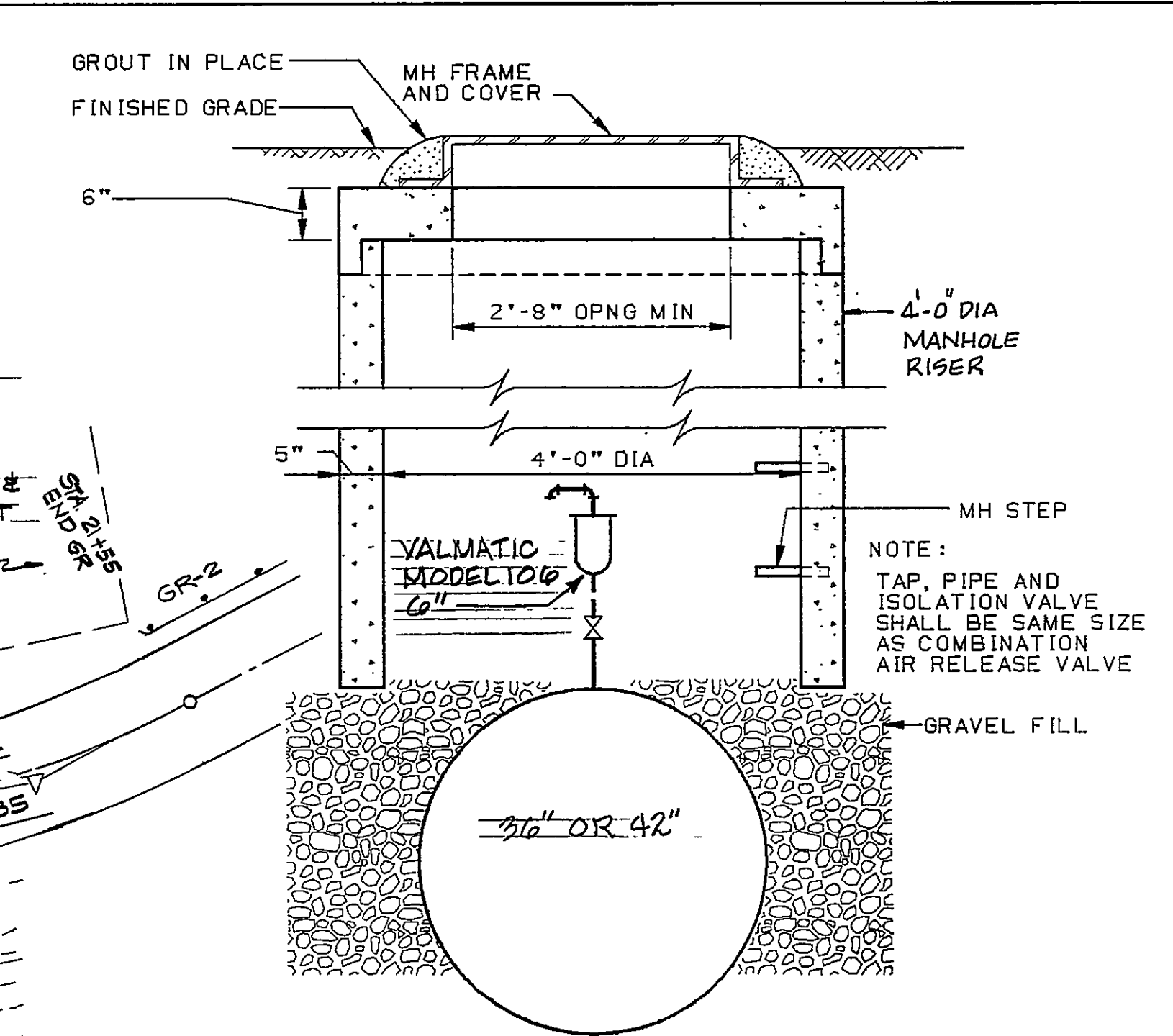
1. ▼ DENOTES THRUST BLOCK
2. TG - TELEGRAPH
3. C&P - TELEPHONE
4. ▲ GUARDRAIL V.D.O.T. STD. GR-2



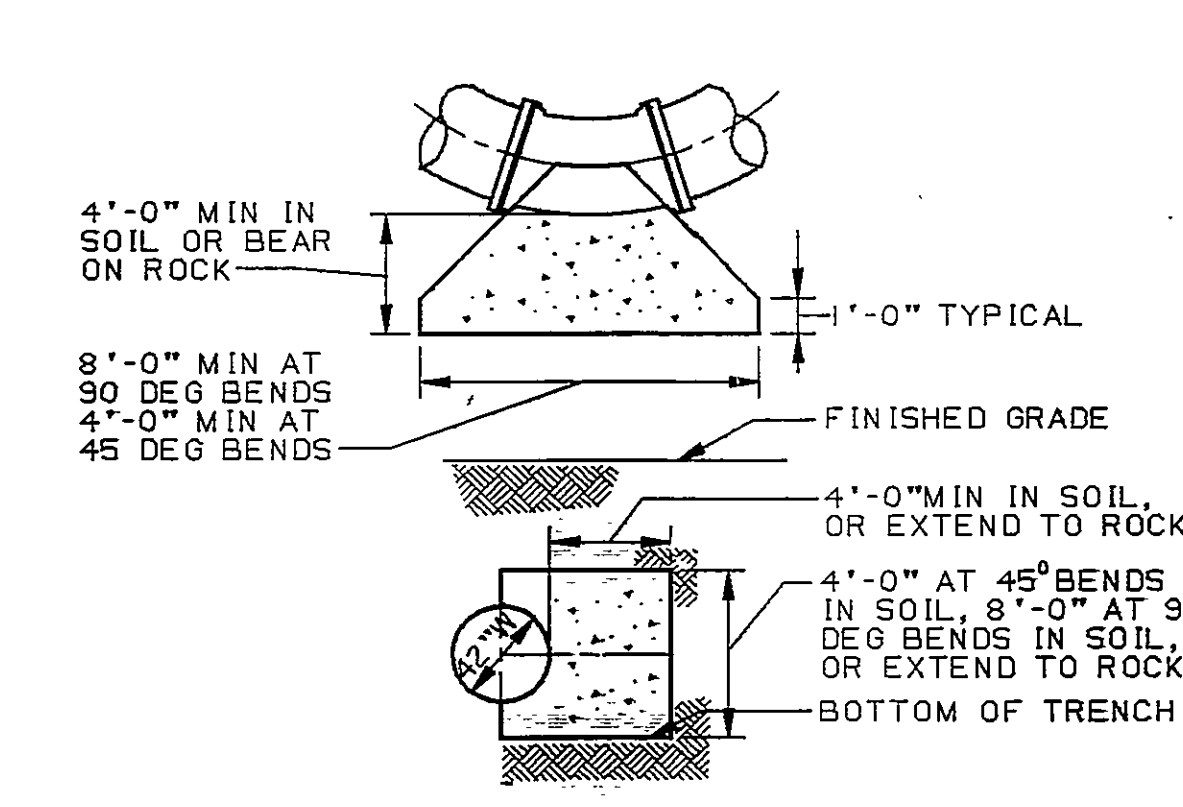
ELEVATION
SCALE: 1/8" = 1'-0"



8" DRAIN VALVE DETAIL
NO SCALE

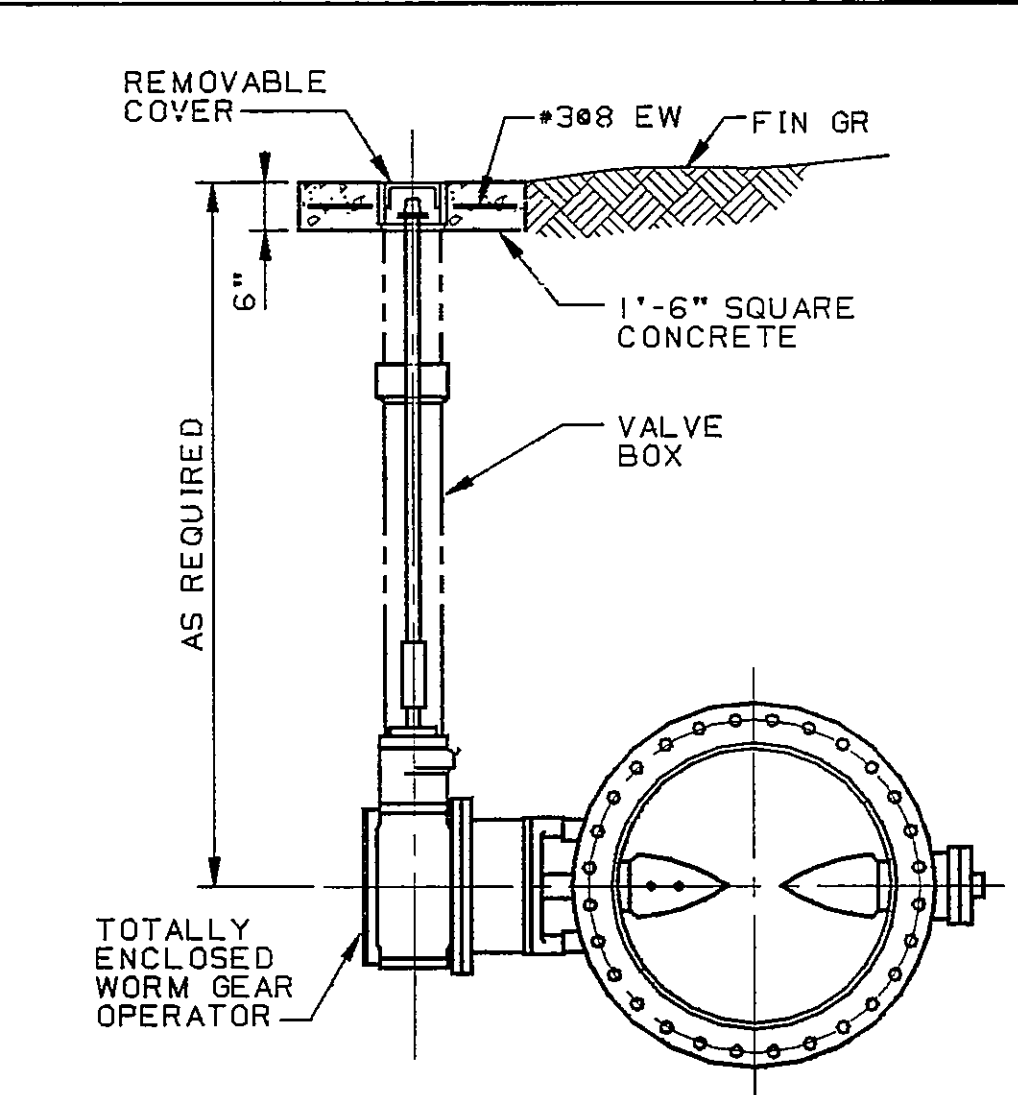


COMBINATION AIR RELEASE VALVE
NO SCALE



THRUST BLOCK DETAIL
NO SCALE

- THRUST BLOCKING NOTES:
1. CONCRETE STRENGTH F'C=3000 PSI AT 28 DAYS.
 2. BOTTOM AND BEARING FACE OF BLOCK SHALL BE CAST AGAINST UNDISTURBED EARTH OR ROCK.

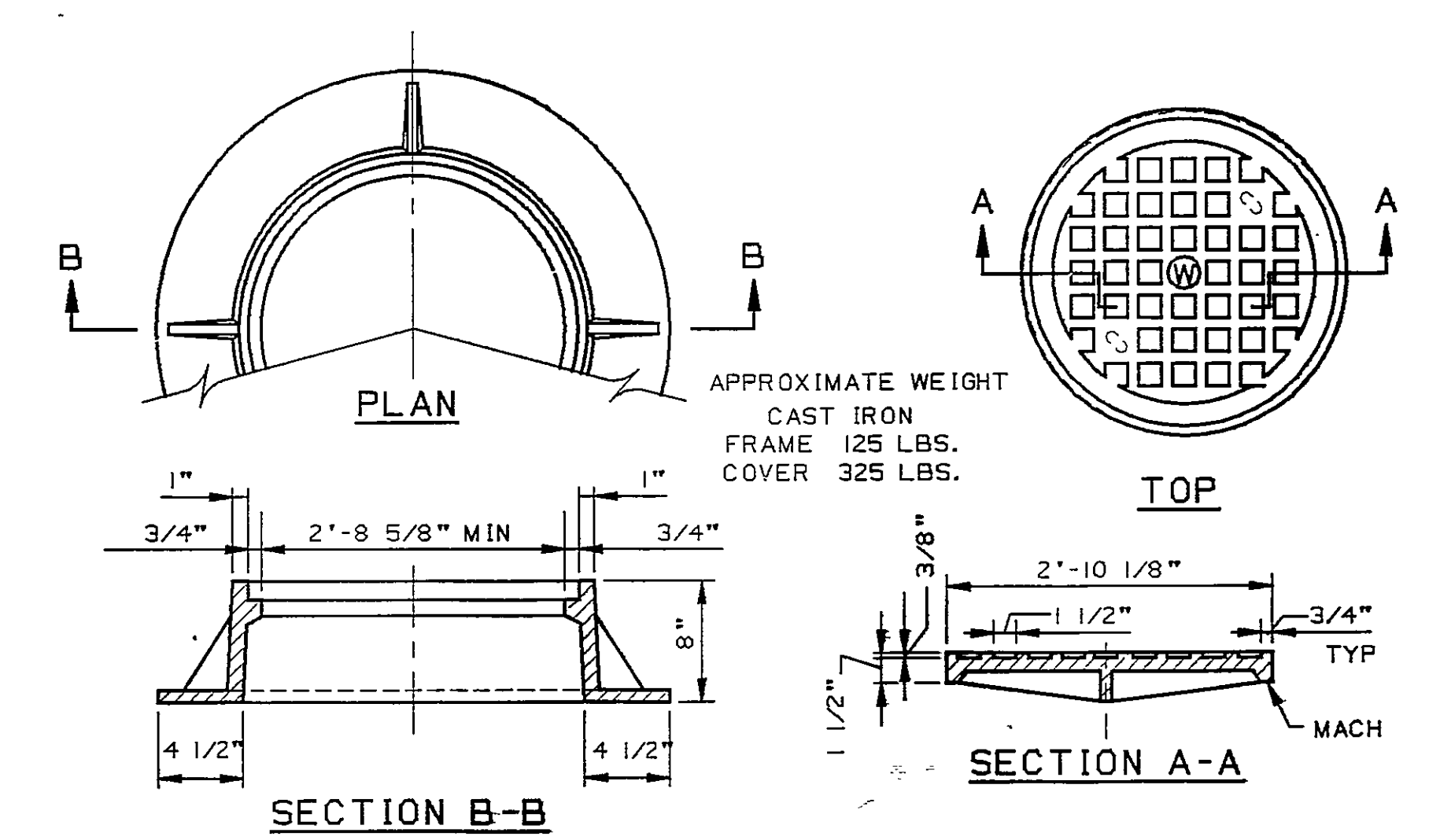


BURIED BUTTERFLY VALVE (BF)
NO SCALE

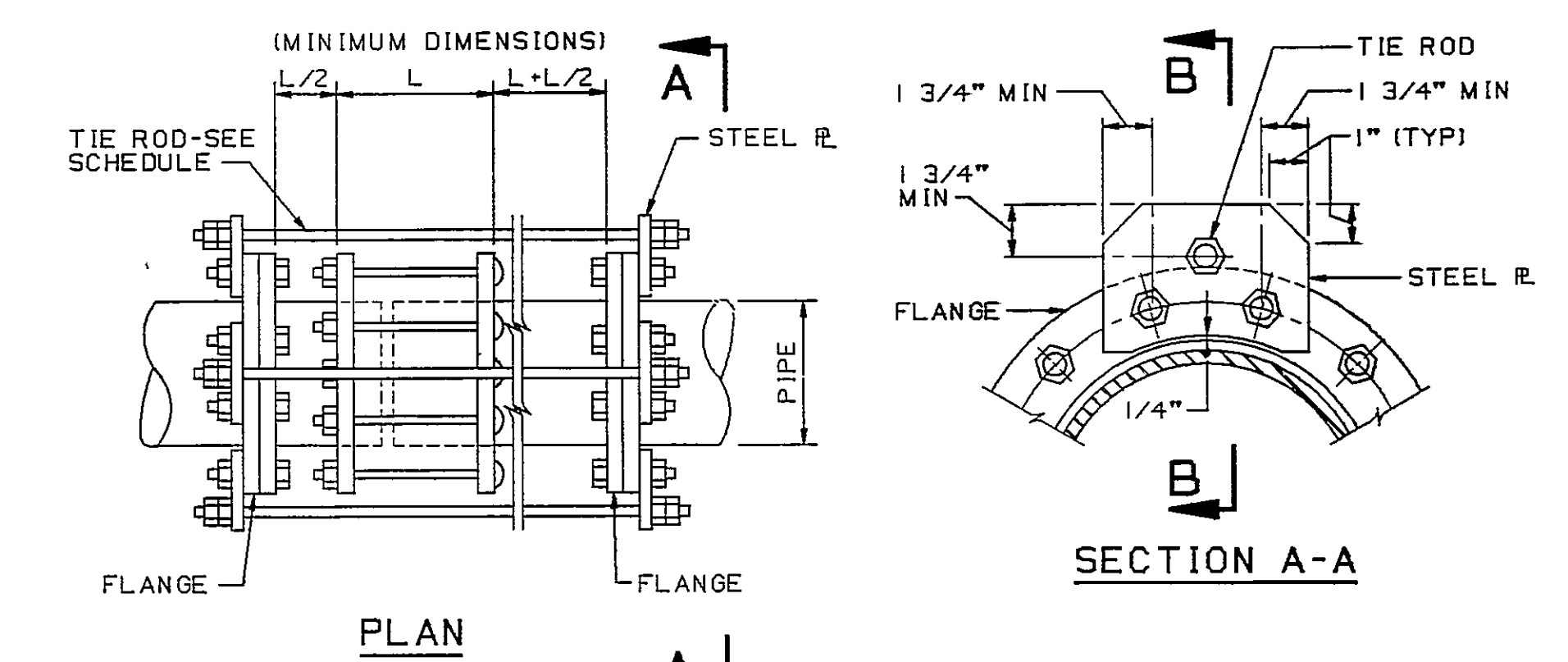
TRENCH WIDTH

NOMINAL PIPE DIA	TRENCH WIDTH
4" & 6"	2'-0"
8" THRU 12"	2'-8"
15" THRU 21"	PIPE OD + 20"
24" THRU 30"	PIPE OD + 24"
33" THRU 42"	PIPE OD + 30"
48" & LARGER	PIPE OD + 36"

WIDTHS SHOWN ARE MAX TRENCH WIDTH FROM 12" ABOVE TOP OF PIPE TO BOT OF TRENCH.



MANHOLE FRAME & COVER
NO SCALE



HARNESSING OF FLEXIBLE COUPLINGS
NO SCALE

RECORD DRAWINGS

THESE DRAWINGS RECORDED ON THE BASIS OF INFORMATION FURNISHED BY THE CONTRACTOR OR SPECIFICALLY KNOWN TO HSM. NO OTHER REPRESENTATIONS ARE MADE OR IMPLIED

DATE: 6-5-95

PIPE DIA	NO. OF RODS	DIA OF RODS	PLATE THICKNESS
16"	4	1 1/8"	1 1/2"
24"	6	1 1/8"	1 3/4"

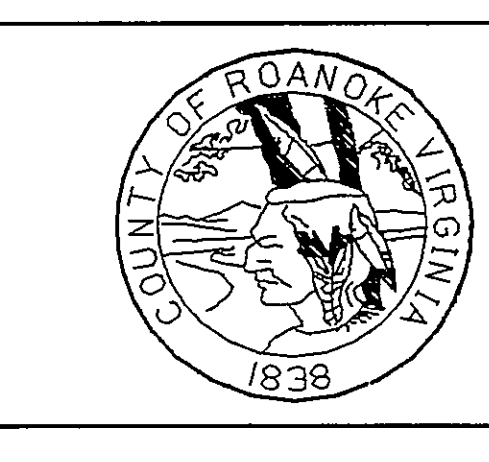
- NOTES:
1. TIE RODS SHALL CONFORM TO ASTM A-588 SPECIFICATION
 2. STEEL PLATE SHALL CONFORM TO ASTM A-36 SPECIFICATION.
 3. INSIDE NUT TO BE HAND TIGHT, AND TWO NUTS SHALL BE TIGHTENED AGAINST EACH OTHER.

HARNESSING OF FLEXIBLE COUPLINGS
NO SCALE

RECORD DRAWINGS
THESE DRAWINGS RECORDED ON THE BASIS OF INFORMATION FURNISHED BY THE CONTRACTOR OR SPECIFICALLY KNOWN TO HSM. NO OTHER REPRESENTATIONS ARE MADE OR IMPLIED

DATE: 6-5-95

DESIGNED	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
DMC	8/4/91	2A	PER CONTR RECORD DWG						
DRAWN	8/14/91	JBH	ISSUED TO VA DAM SAFETY						
CHECKED	8/14/91	RWF	RECORD DRAWING						
APPROVED	8/14/91								
ISSUED	8/24/91								



SPRING HOLLOW RESERVOIR
ROANOKE COUNTY, VIRGINIA
HAYES, SEAY, MATTERN & MATTERN, INC.
ARCHITECTS - ENGINEERS - PLANNERS
ROANOKE, VIRGINIA

CIVIL				
INTAKE/PUMP STATION SITE PLAN & DETAILS				
SCALE	DATE	COMM	SHEET	DW
AS NOTED	8/4/91	4194E	C-8	10