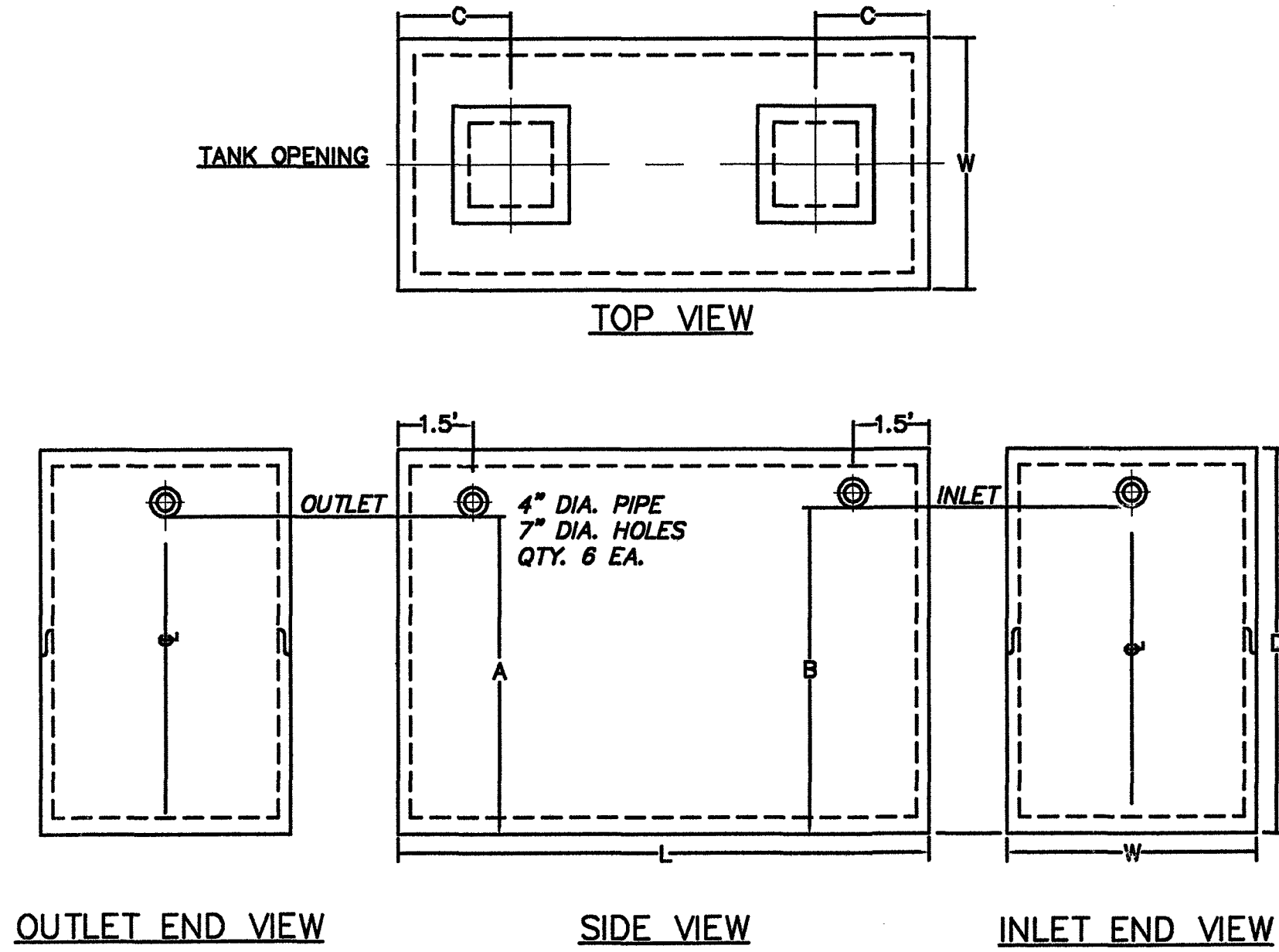
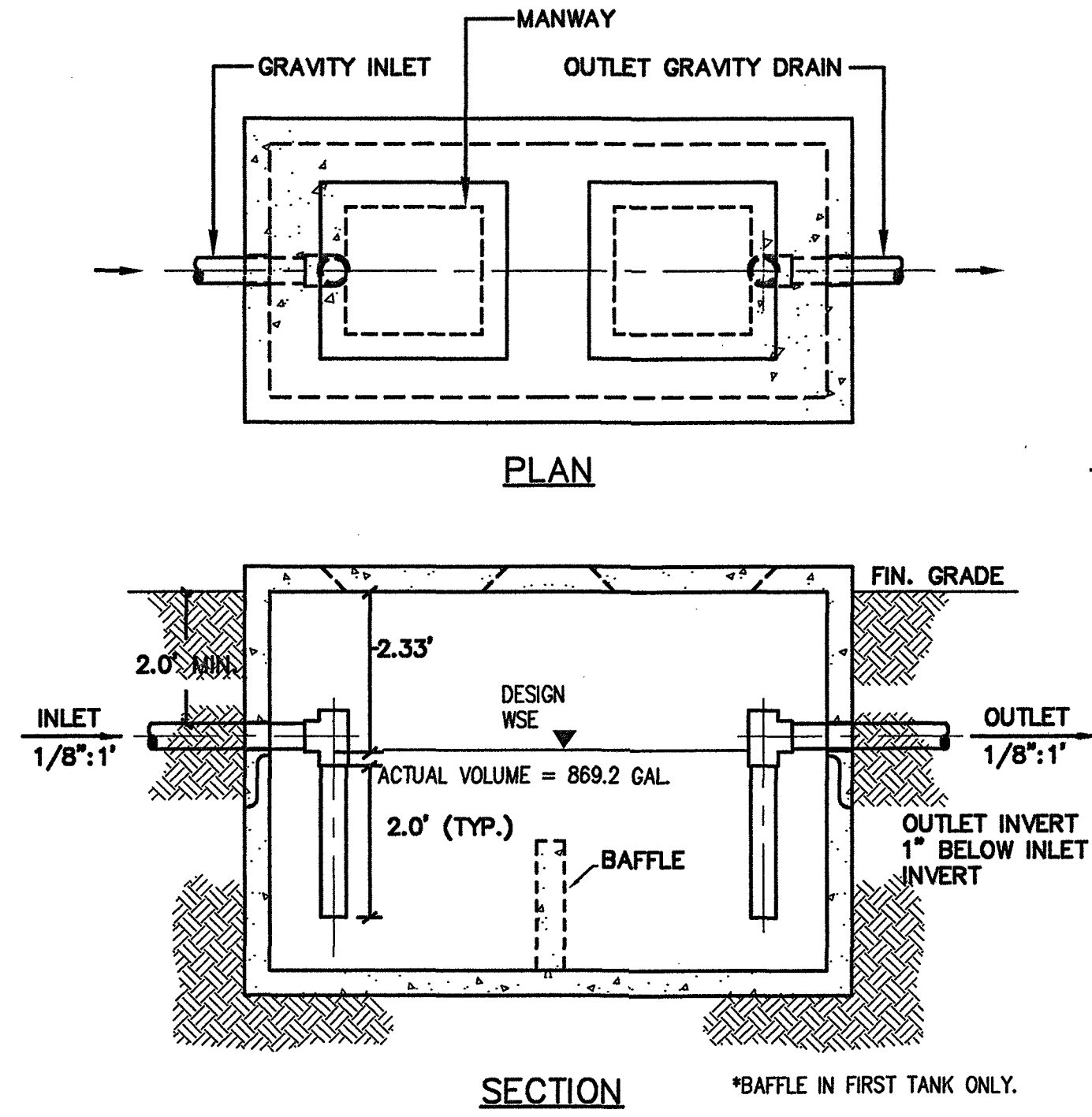


TANK CAP.	D	L	W	A	B	C	TANK OPENING SIZE
800	68	96	48	52	54	20	15X18
1000	80	96	48	64	66	20	15X18
1500	74	127	60	59	61	22	17X17
2000	92	127	60	76	78	22	17X17

1.) ALL DIMENSIONS IN INCHES.
2.) FOR INSIDE DIMENSIONS SUBTRACT 3" FOR WALL THICKNESS (EACH) AND 4" FOR TOP AND BOTTOM THICKNESS.
3.) ALL TANKS ARE OF TWO-PIECE CONSTRUCTION (MALE & FEMALE JOINT). 800 AND 1000 GALLON TANKS HOLD 16.4 GALLONS/INCH LIQUID DEPTH.



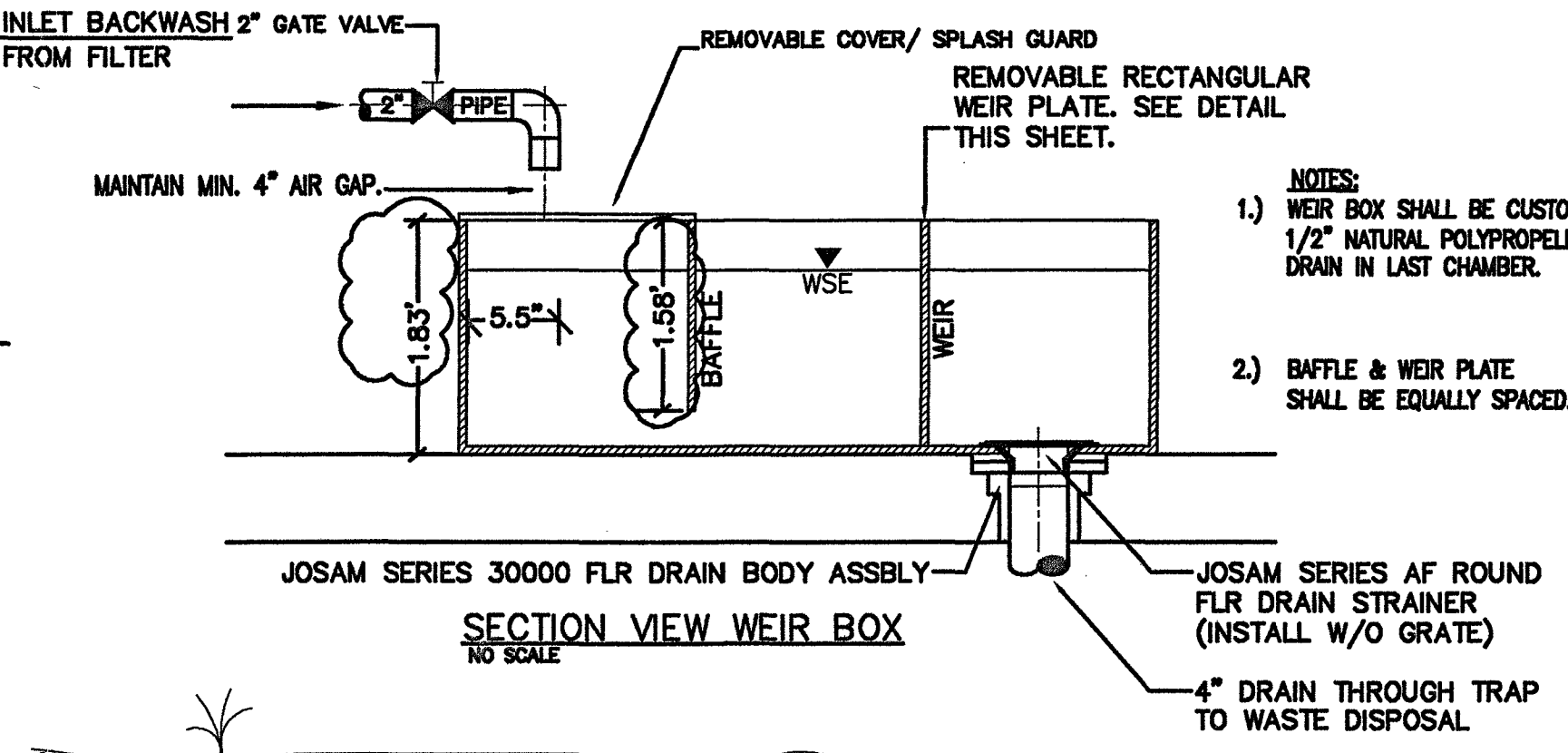
1000 GALLON PRECAST SEPTIC TANK
MFR: C.T. JAMISON, CALLAWAY, VIRGINIA
NO SCALE (OR APPROVED EQUAL)



1000 GALLON PRECAST SEPTIC TANK
NO SCALE

WELL #4 DATA

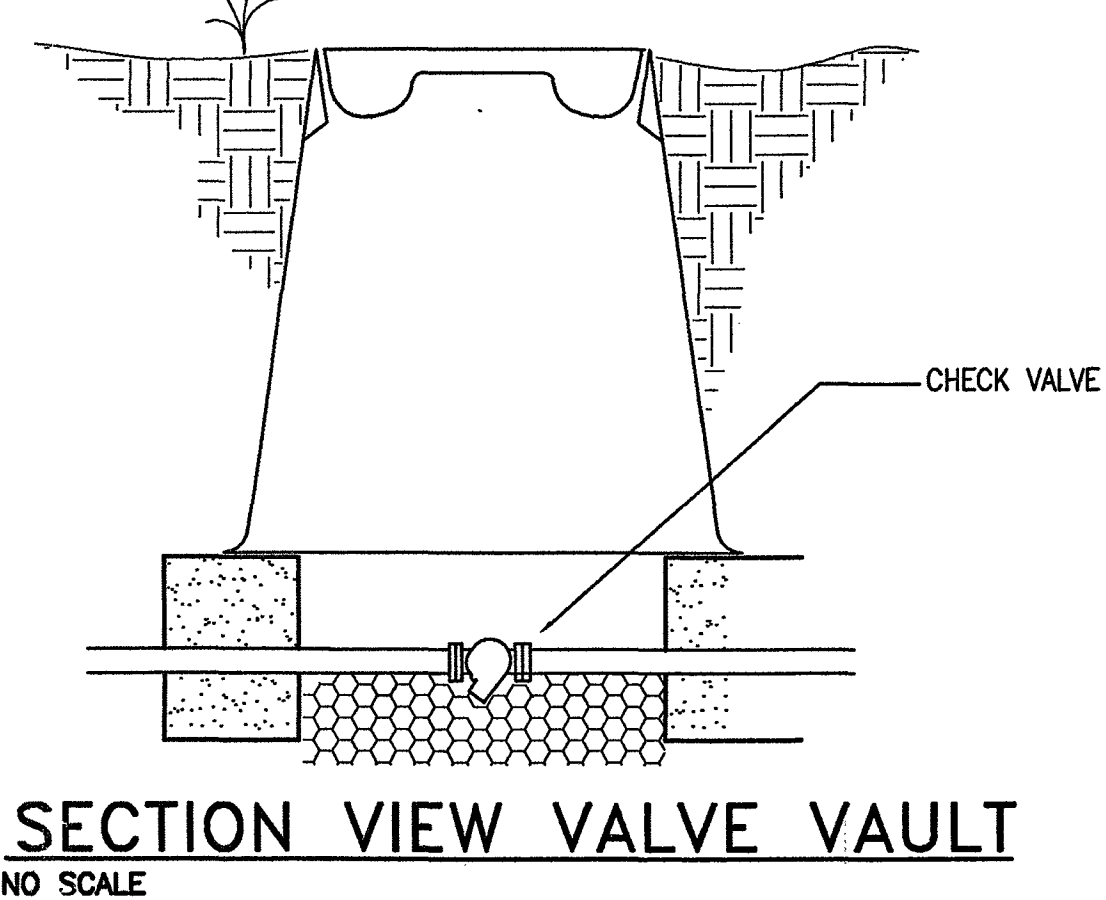
WELL DEPTH	260'
PUMP INTAKE ELEVATION	244'
GROUTED TO	90'
CASED TO	90'
AIR LINE LENGTH	241'
STATIC WATER LEVEL	194'
DROP PIPE LENGTH	240'



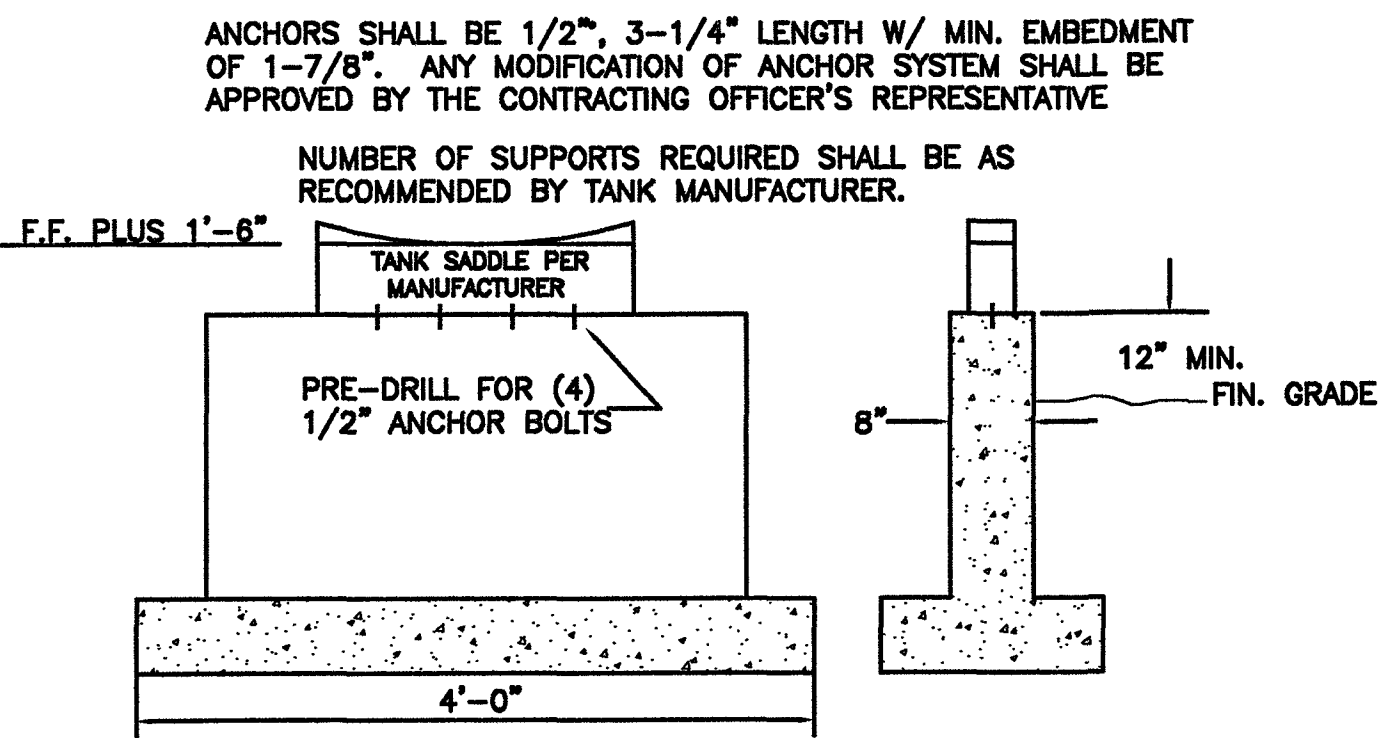
NOTES:
1.) WEIR BOX SHALL BE CUSTOM FABRICATED FROM 1/2" NATURAL POLYPROPYLENE, EQUIPPED WITH DRAIN IN LAST CHAMBER.
2.) BAFFLE & WEIR PLATE SHALL BE EQUALLY SPACED.

REMOVABLE RECTANGULAR WEIR PLATE
NO SCALE

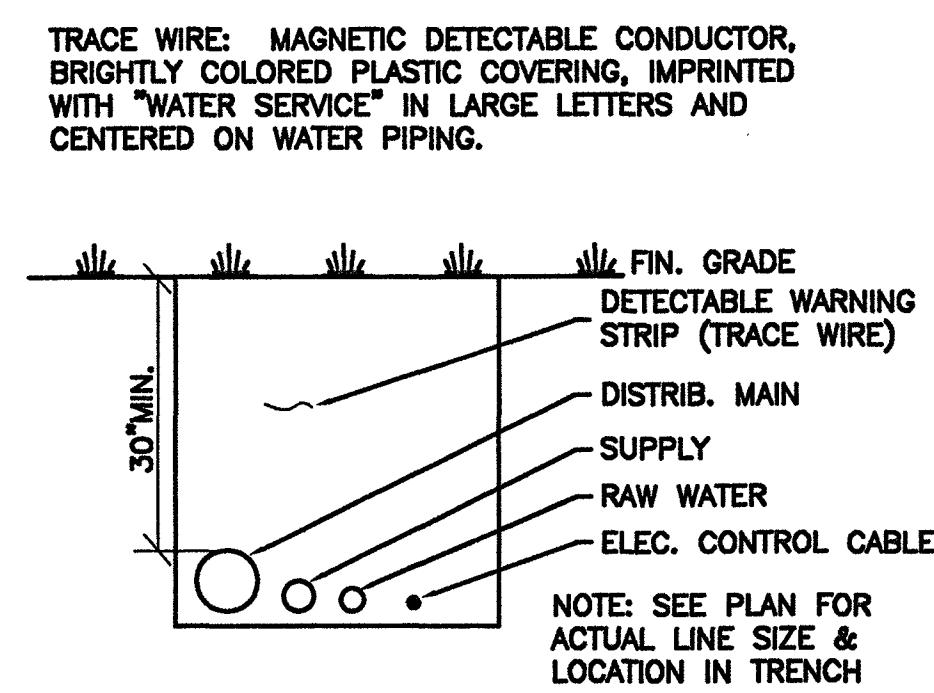
NOTES:
1.) RECTANGULAR WEIR SHALL BE CUSTOM FABRICATED FROM 1/2" NATURAL POLYPROPYLENE.



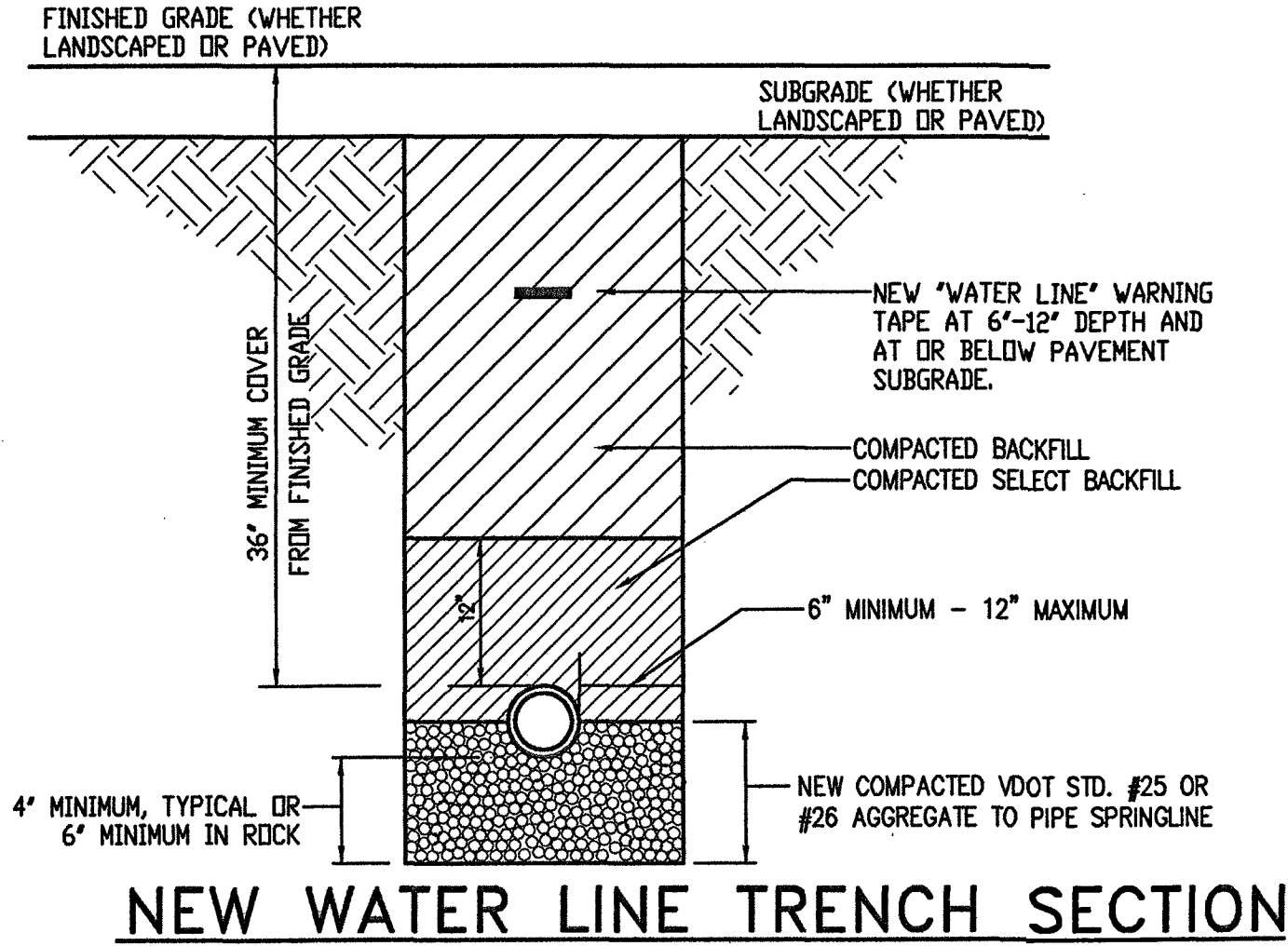
SECTION VIEW VALVE VAULT
NO SCALE



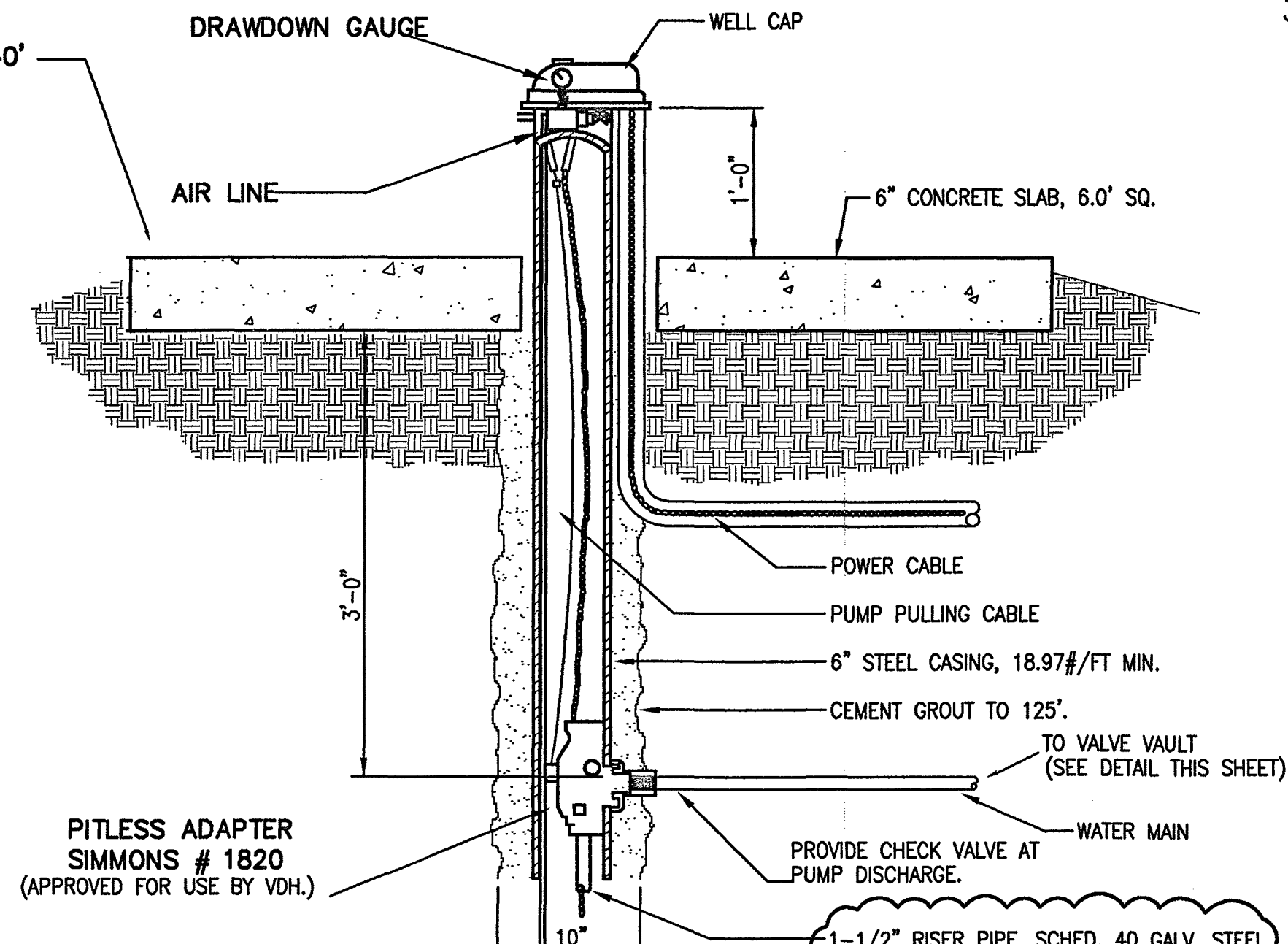
CHLORINE CONTACT TANK SADDLE SUPPORT DETAIL
NO SCALE



TRENCH DETAIL
NO SCALE

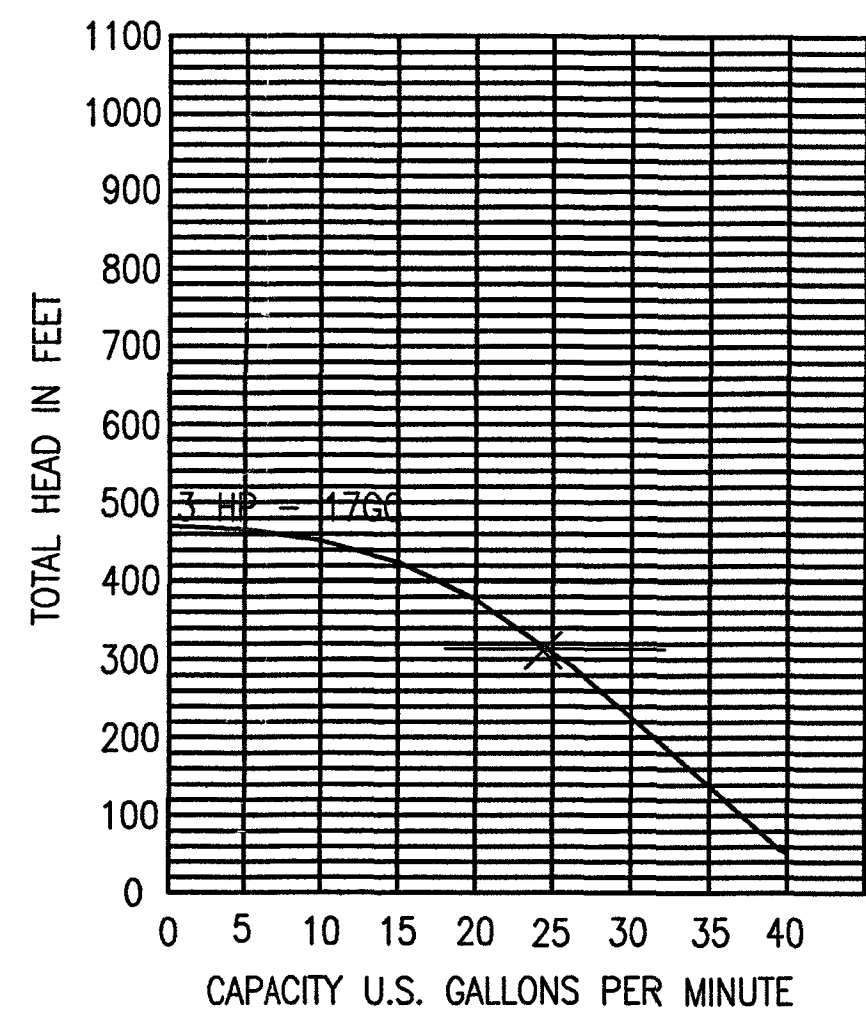


NEW WATER LINE TRENCH SECTION
NO SCALE



DETAIL - #4 WELL HEAD
NO SCALE

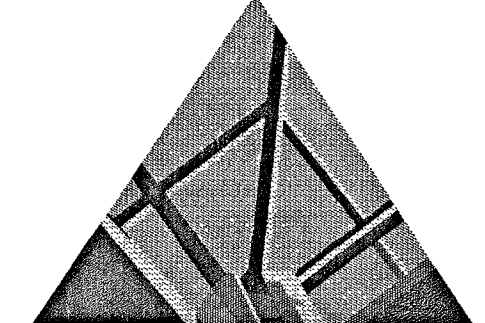
NOTE: WELL PUMP SHALL BE "RED JACKET MODEL 17GC, 22 GPM, 3 HP, 3450 RPM, CAPABLE OF DELIVERING 24 GPM AT TDH OF 314'.



DETAIL - WELL #4 PUMP CURVE
NO SCALE

KEY PLAN

GENERAL NOTES

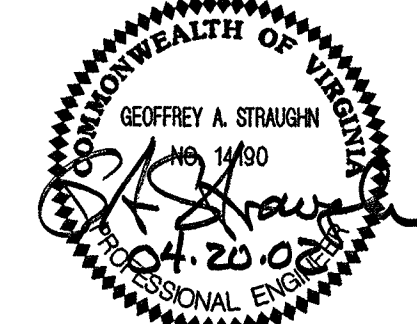


SPECTRUM DESIGN

325 MOUNTAIN AVE. ROANOKE, VIRGINIA 24016 540.345.8020
ROANOKE • MARION • VIRGINIA BEACH

Iron & Manganese Removal Filter
LONG ISLAND ESTATES

SPECTRUM DESIGN PROJECT NO. 99007



DATE: 25 February 2000
DESIGN ARCHITECT: PROJECT ARCHITECT
PROJECT ENGINEER: CHECKED BY
DRAWN BY: GMR
REVISIONS: 42" FILTER C.O.
DATE: 4/20/02

SHEET TITLE

CIVIL - DETAILS

C500