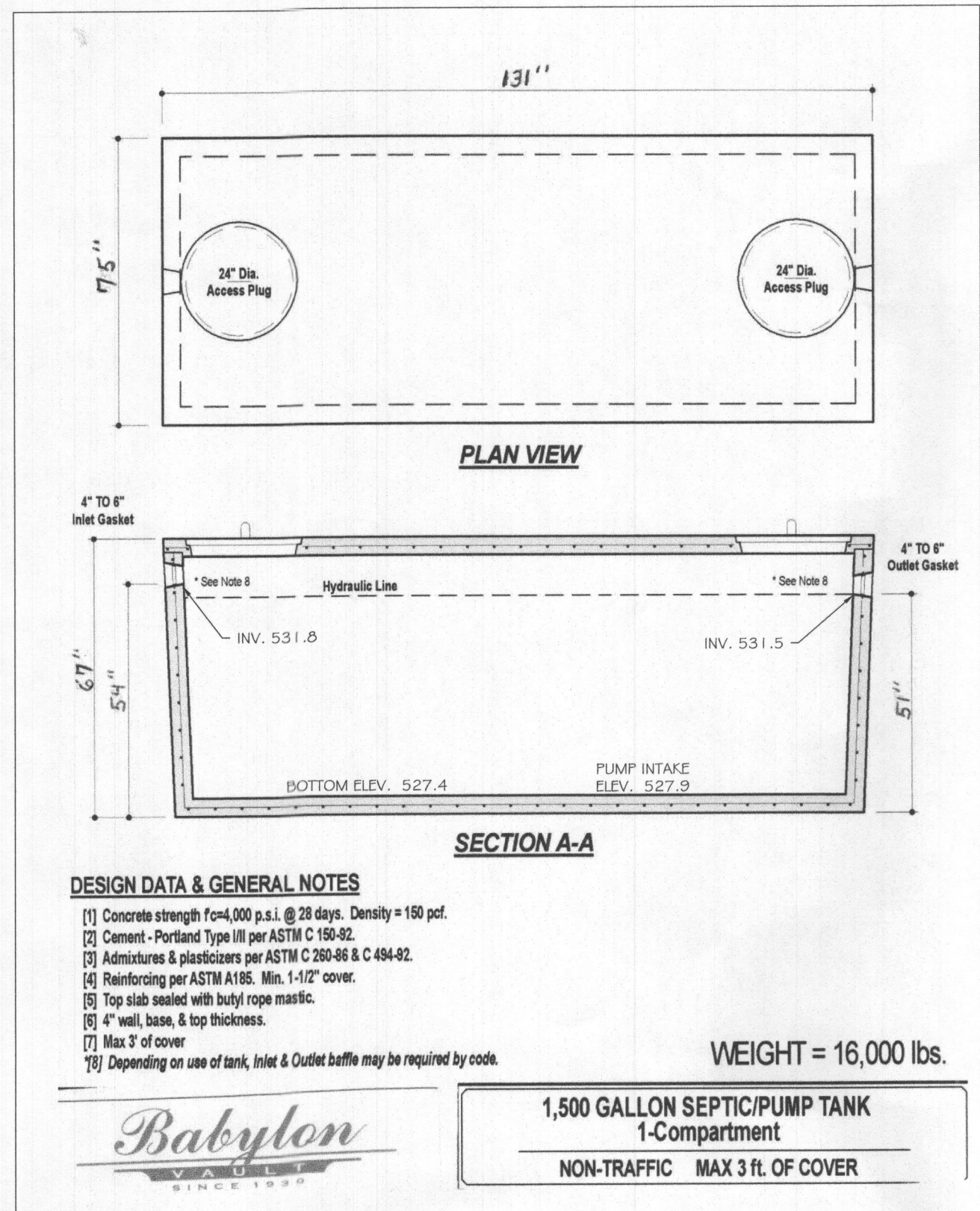
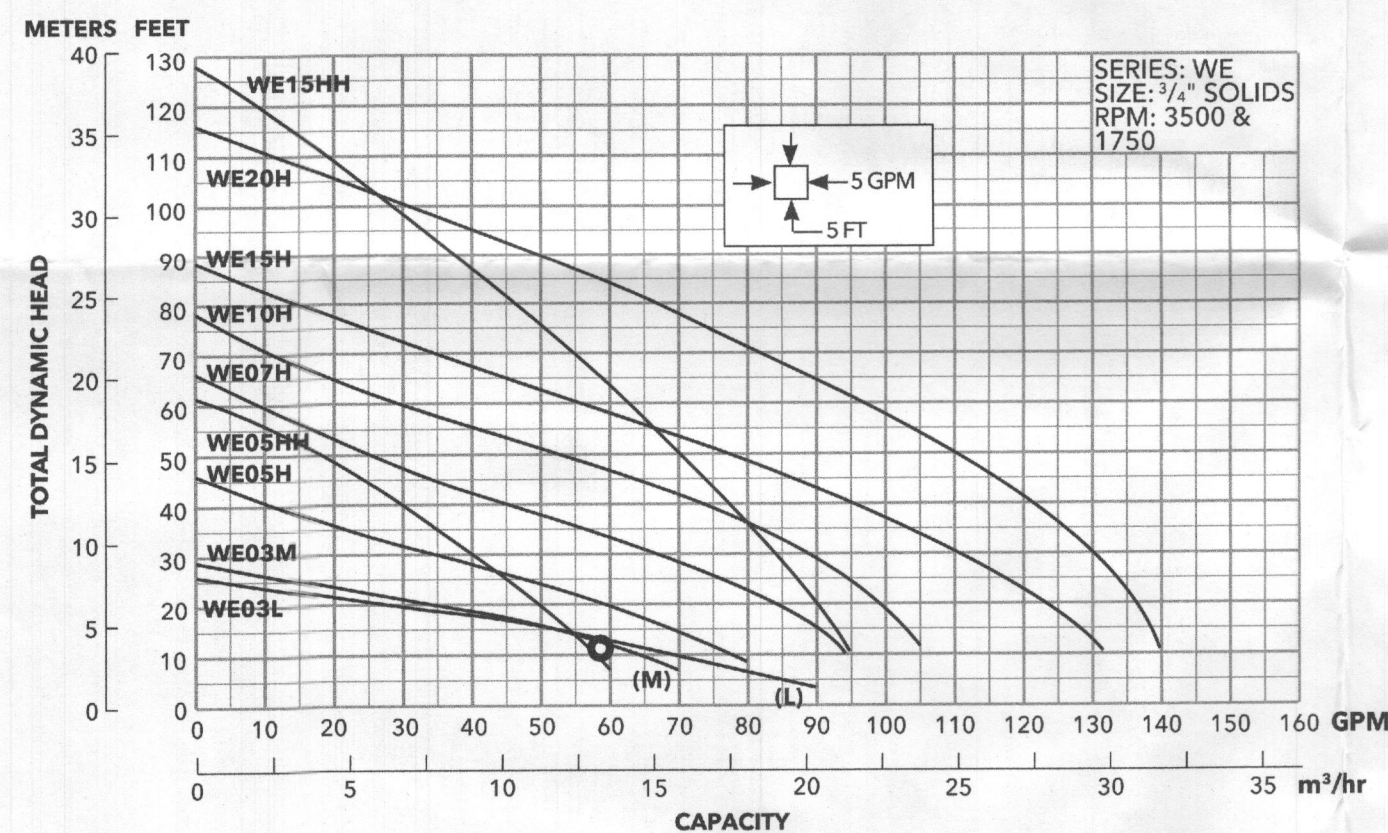




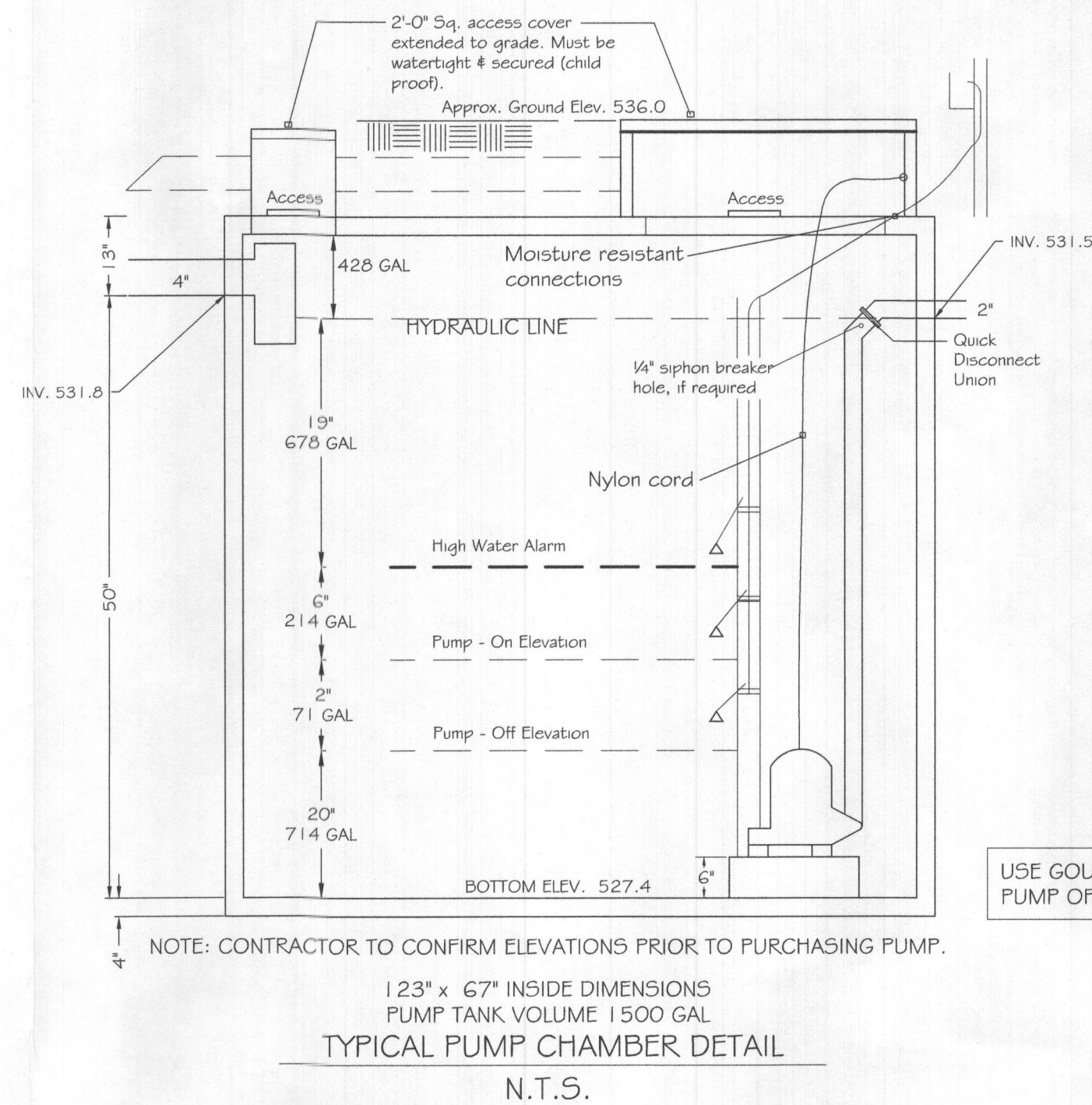
SEE TYPICAL PUMP CHAMBER DETAIL FOR PUMP FLOAT
ELEVATION INFORMATION.



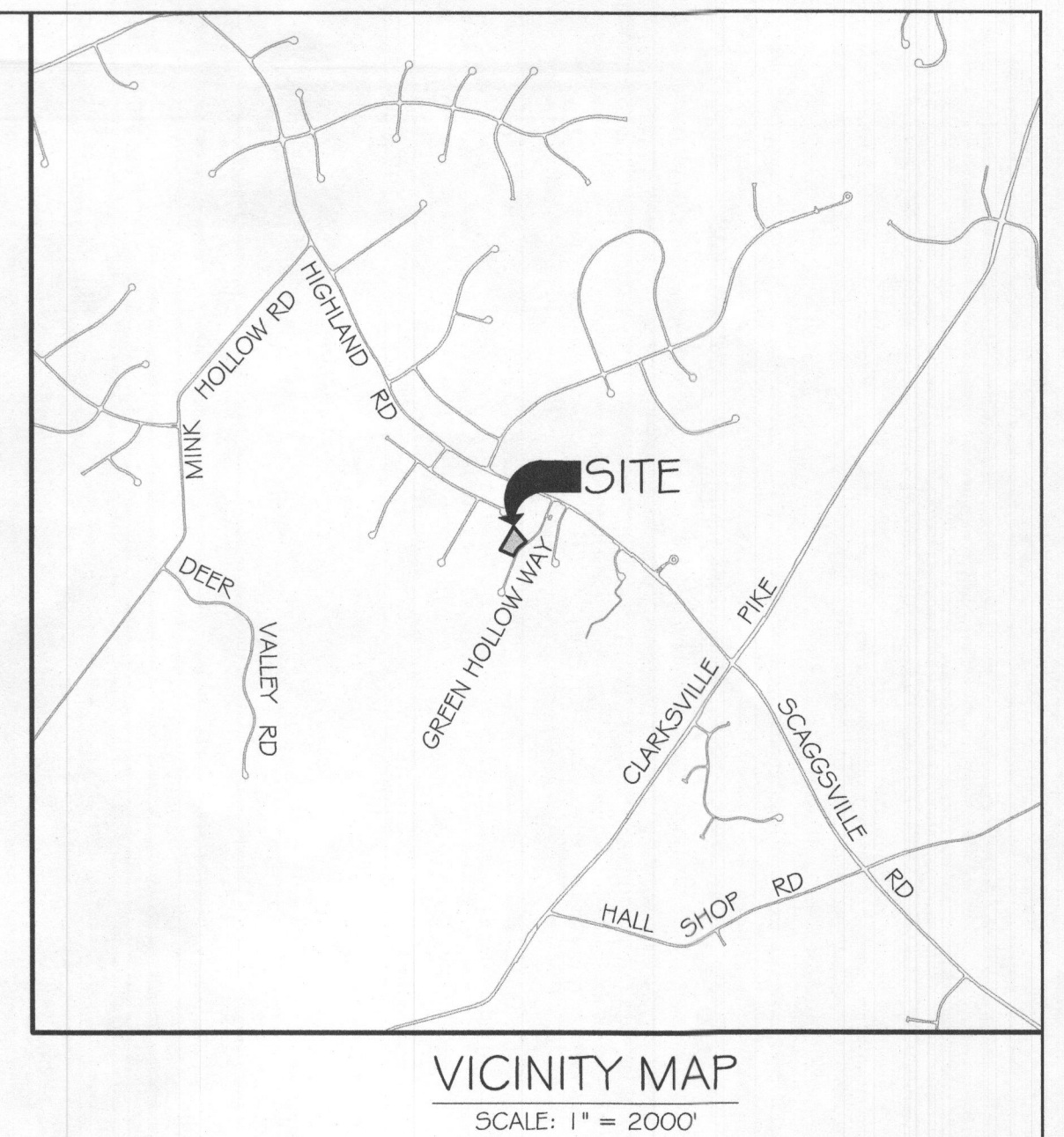
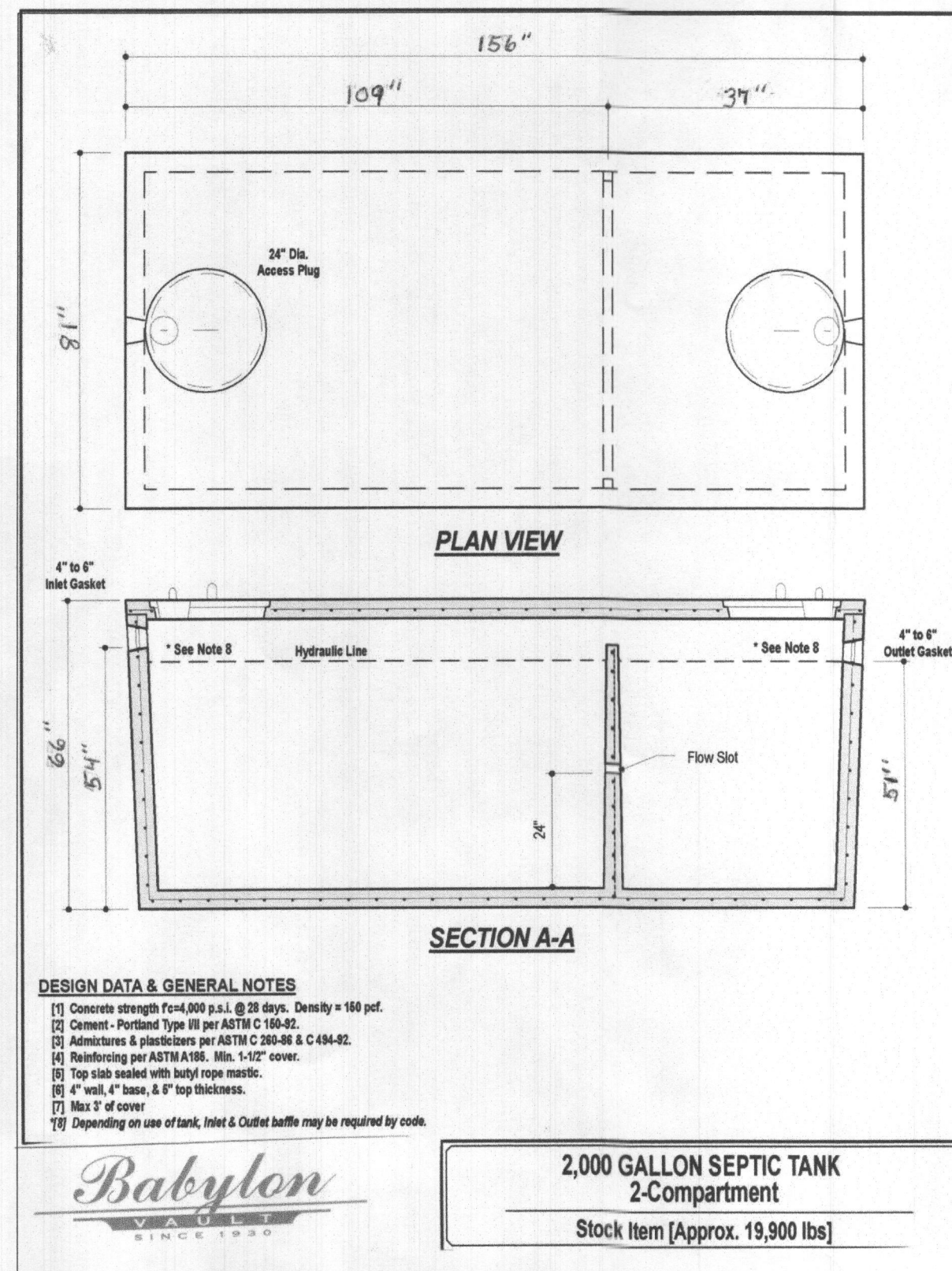
PUMP REQUIREMENT:
WE03L - (1/3 HP)

DESIGN CALCULATIONS:

DESIGN HEAD			
FRICITION LOSS:	CONNECTIONS	2"	EQUIV. LENGTH
	(1) 90 DEGREE BEND	(5.55)	5.55
	(1) DISCONNECT	(1.35)	1.35
	(1) STD. TEE	(11.10)	11.10
	(1) 45 DEGREE BENDS	(2.58)	2.58
	(0) COUPLINGS	(1.35)	0.00
	TOTAL		20.58
25.08 (ACTUAL) + 20.58 (EQUIV.) =			45.66 (TOTAL)
FOR 2" PIPE @ 58.56 GPM; C=150 (FOR PVC PIPE)			
FRICITION LOSS PER 100' = 0.2683*(100/150)*1.85*(58.66 ^{1.85} /2*4.8655)			
45.66 X $\frac{6.3}{100}$			= 2.88' FRICITION HEAD LOSS
TOTAL HEAD:	2.88' FRICITION		
	4.48' ELEVATION		
	3.00' MAINTAINED		
	10.36' TOTAL		
FORCE MAIN VOLUME			
VOLUME OF FORCE MAIN = (25.08/100) x 17.42 = 4 GALLONS			



USE GOULDS WE03L PUMP OR EQUIVALENT
PUMP OFF ELEVATION 529.1

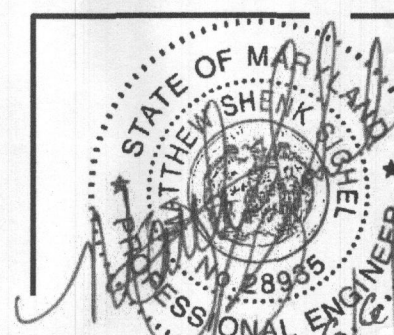


OWNER:
RAKHEE BATRA & SANJEEV KUMAR
11288 TERRACE LANE
FULTON, MD 20759
(202) 878-0303

DEVELOPER:
KEYSTONE CUSTOM HOMES
GREGG REINSMITH
227 GRANITE RUN DR, SUITE 100,
LANCASTER, PA 17601
(717) 464-9060 EXT. 1108

DESIGNER:
KCI TECHNOLOGIES INC.
FRANK WHITE
936 RIDGEBROOK RD,
SPARKS, MD 21152
(410) 316-0803

PROFESSIONAL CERTIFICATION. I HEREBY
CERTIFY THAT THE INFORMATION SHOWN HEREIN
IS BASED ON FIELD WORK PERFORMED BY ME
OR UNDER MY DIRECT SUPERVISION, AND IS
CORRECT, TO THE BEST OF MY KNOWLEDGE
AND BELIEF. LICENSE NO. 28935 EXPIRATION
DATE: 1/15/2025



ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

KCI
TECHNOLOGIES

936 RIDGEBROOK ROAD
SPARKS, MARYLAND 21152
TELEPHONE: (410) 316-7800
FAX: (410) 316-7818

REVISIONS				DATE
NO.	DATE	DESCRIPTION	BY	
				06/29/2023
				SCALE
				AS SHOWN
				DESIGNED BY
				FPW
				DRAWN BY
				JDL

BATRA & KUMAR PROPERTY
ON-SITE SEWAGE DISPOSAL SYSTEM PLAN
6816 GREEN HOLLOW WAY
HIGHLAND, MD 20777

DRAWING NO.
ZhoGH2

SHEET 2 OF 2
KCI JOB NUMBER
271803754.119