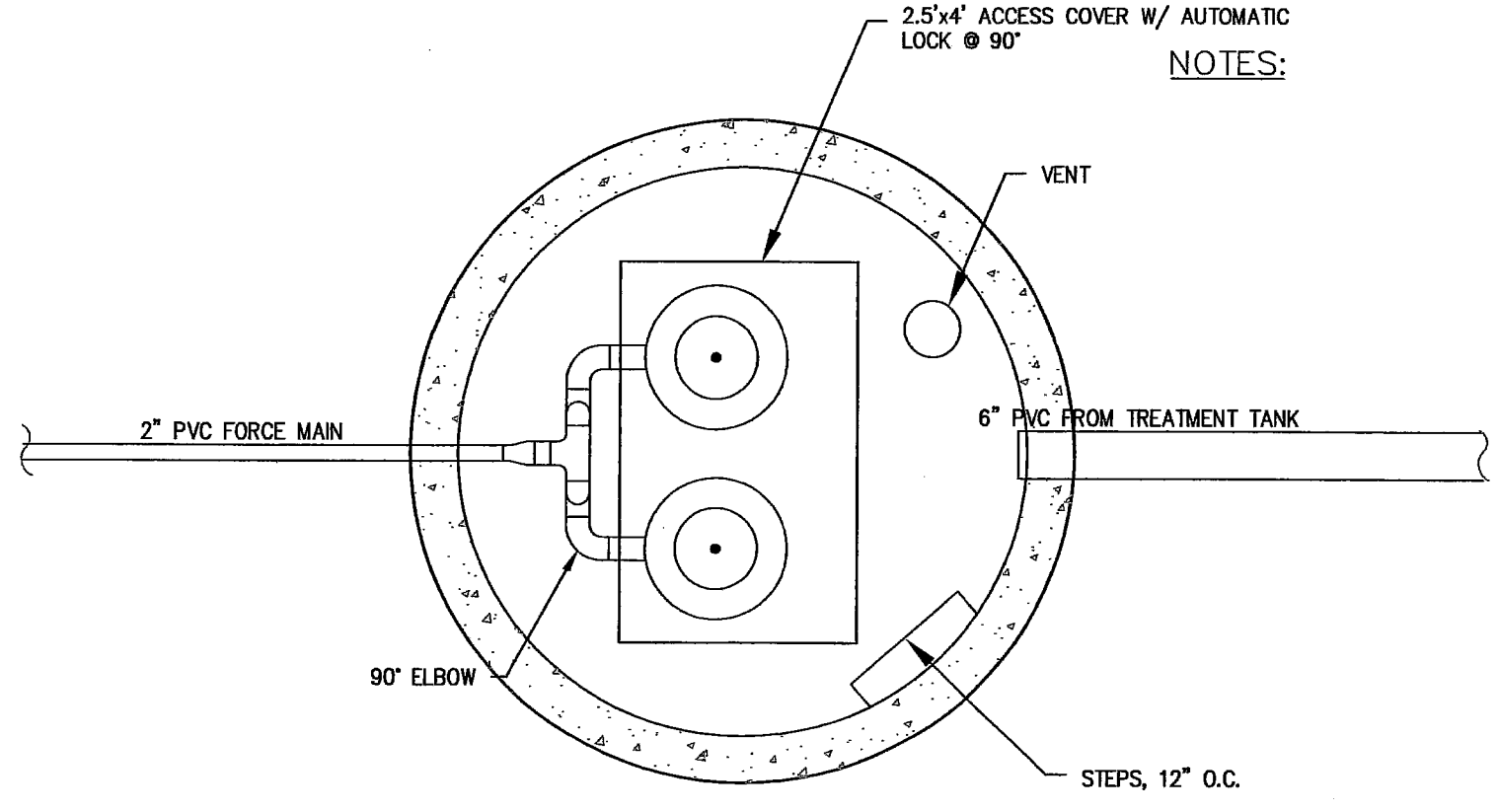
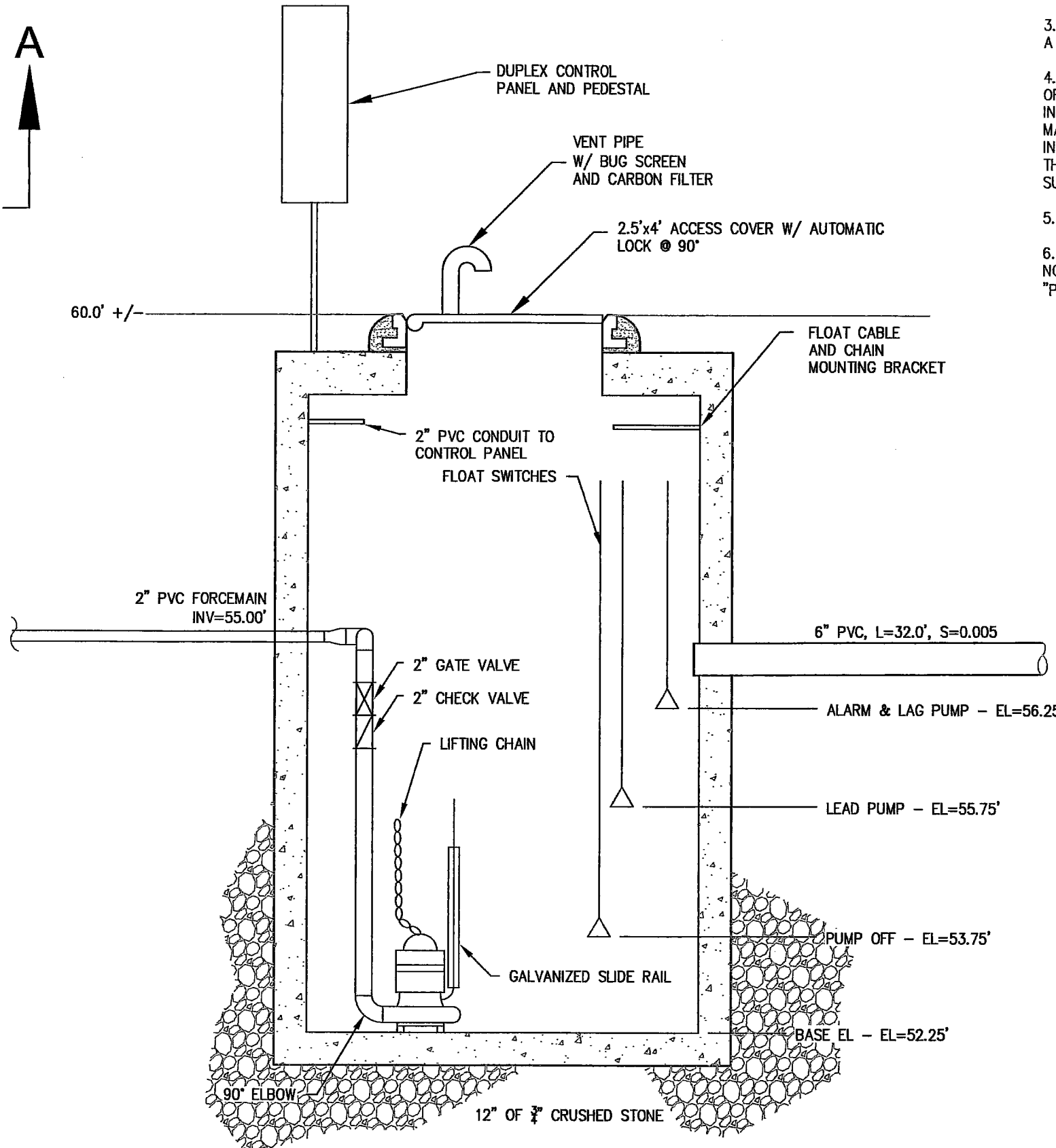


SANITARY SEWER LAYOUT: SECTION A-A
1"=10'



PLAN

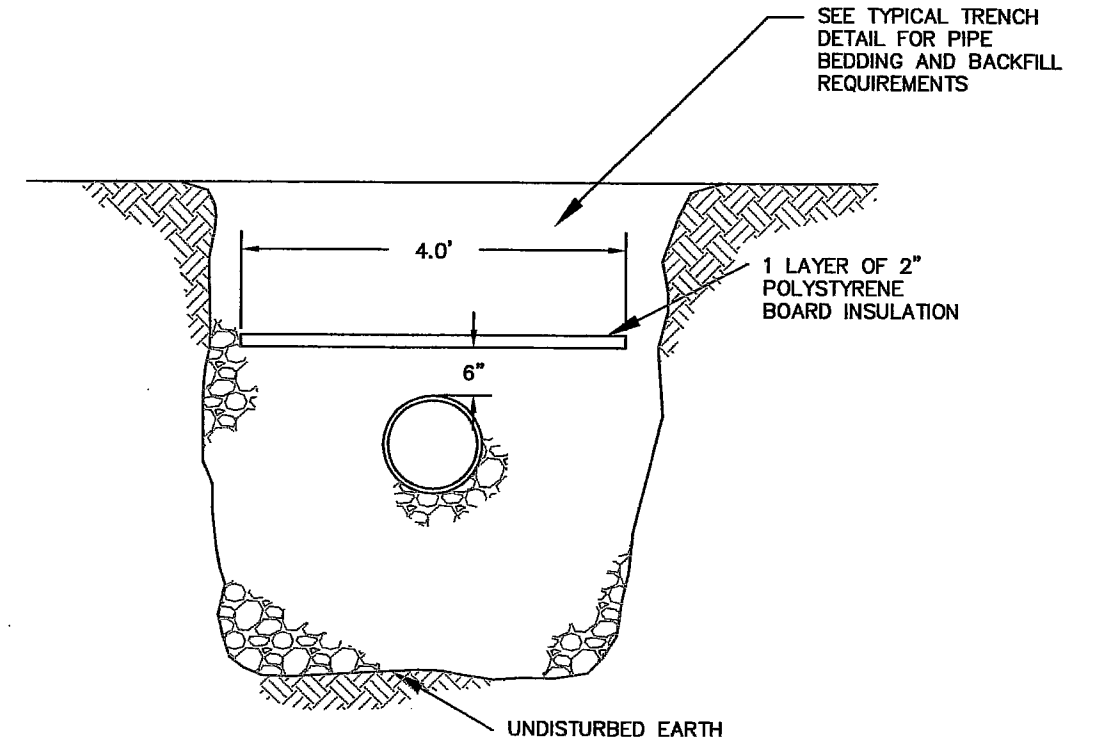


SECTION
PUMP STATION WET WELL & DETAIL
NOT TO SCALE

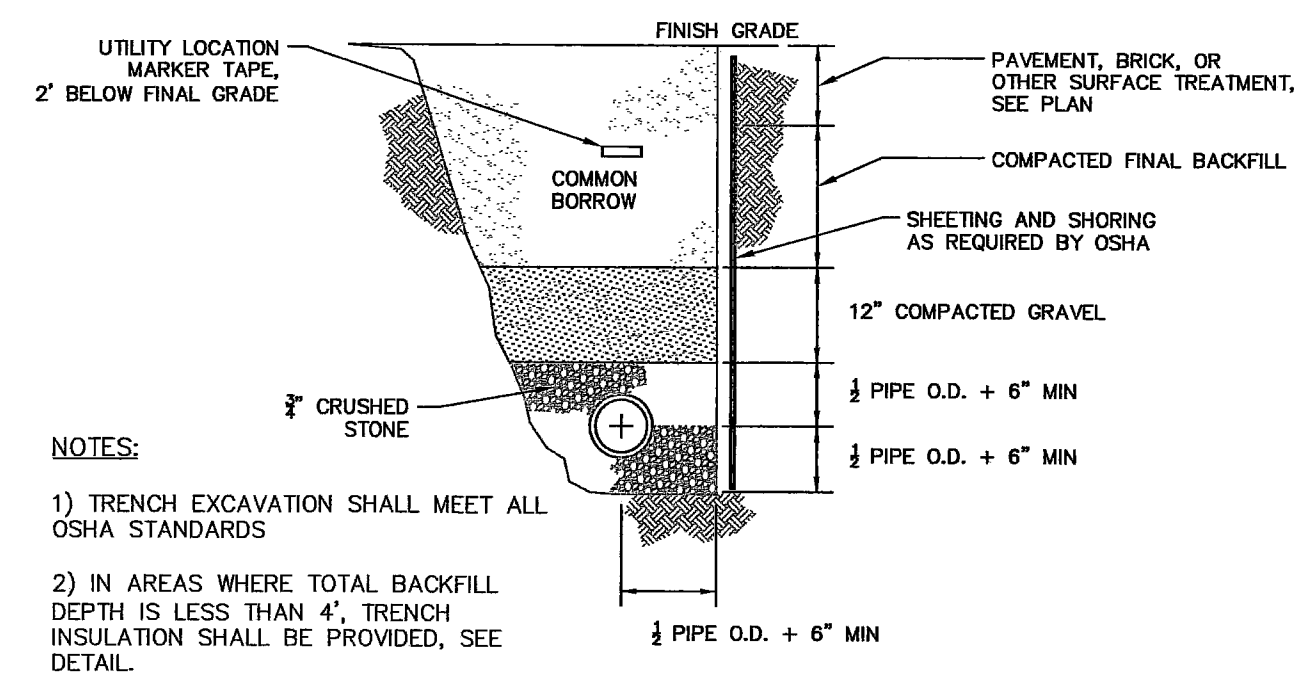
- NOTES:
- PUMP SPECIFICATIONS:
MANUFACTURER: HOMA
MODEL NO: GRP 25/3
IMPELLER CAPACITY: 40 GPM @ 65 TDH
 - CONTROLS SPECIFICATIONS:
MANUFACTURER: ZABEL
MODEL NO: DUPLEX CONTROL PANEL
NO: AC-CP-D-C-T
 - CONCRETE
STRENGTH: 5,000 PSI AFTER 28 DAYS
REINFORCING: WALLS & FLOOR 4x4 W.W.M.

PUMP SYSTEM NOTES:

- ALL WORK IS TO COMPLY WITH MAINE SUBSURFACE WASTEWATER DISPOSAL RULES 144A OMR 241.
- "OR SIMILAR" PUMPS SHALL BE CAPABLE OF PASSING A MIN. SOLID SIZE OF 2" DIA. AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECS.
- ALL PUMPS MUST BE EQUIPPED WITH AN ALARM POWERED BY A CIRCUIT SEPARATE FROM THE CIRCUIT TO THE PUMPS.
- PUMPS, ALARMS, AND OTHER EQUIPMENT REQUIRING PERIODIC OR ROUTINE INSPECTION AND MAINTENANCE SHALL BE OPERATED, INSPECTED AND MAINTAINED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS. IN NO INSTANCE SHALL INSPECTION BE PERFORMED LESS FREQUENTLY THAN ONCE EVERY THREE MONTHS. THE RESULTS OF SUCH INSPECTIONS SHALL BE SUBMITTED TO THE APPROVING AUTHORITY.
- PUMPS ARE TO BE WIRED TO RUN ALTERNATELY.
- PUMP CONTROLS SHALL BE PROGRAMMED TO OPERATE PUMPS NO MORE THAN SIX TIMES PER HOUR, TRIGGERED EITHER BY THE "PUMP ON" FLOAT OR BY THE ELAPSED TIME OF 24 HOURS.



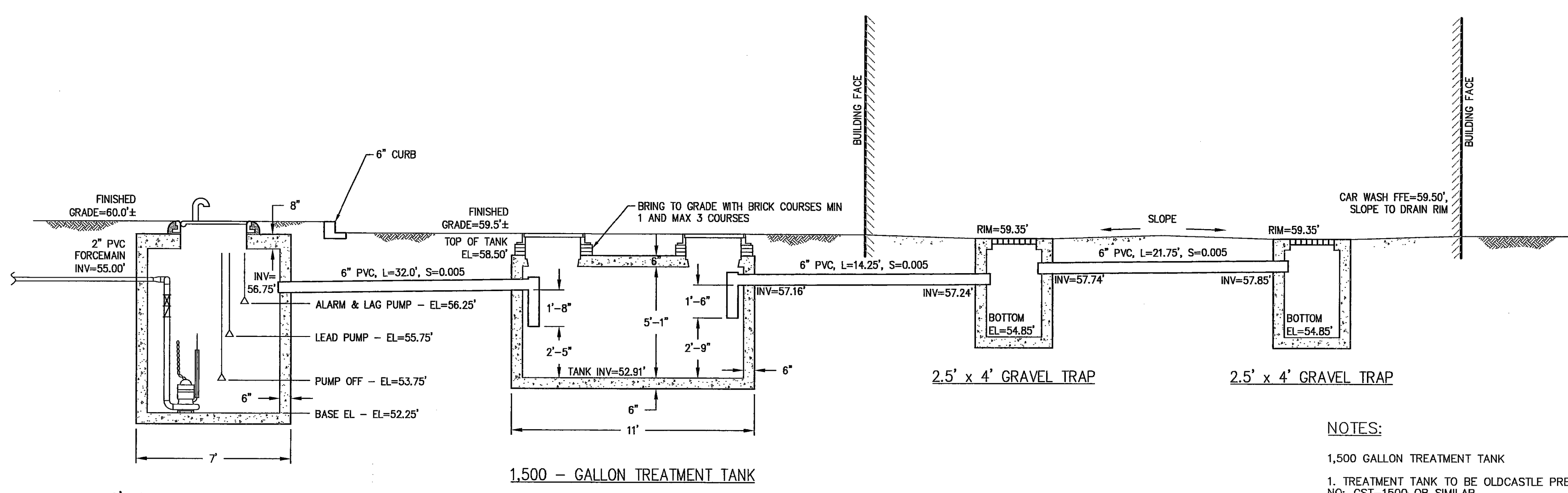
INSULATED PIPE TRENCH DETAIL
NOT TO SCALE



NOTES:

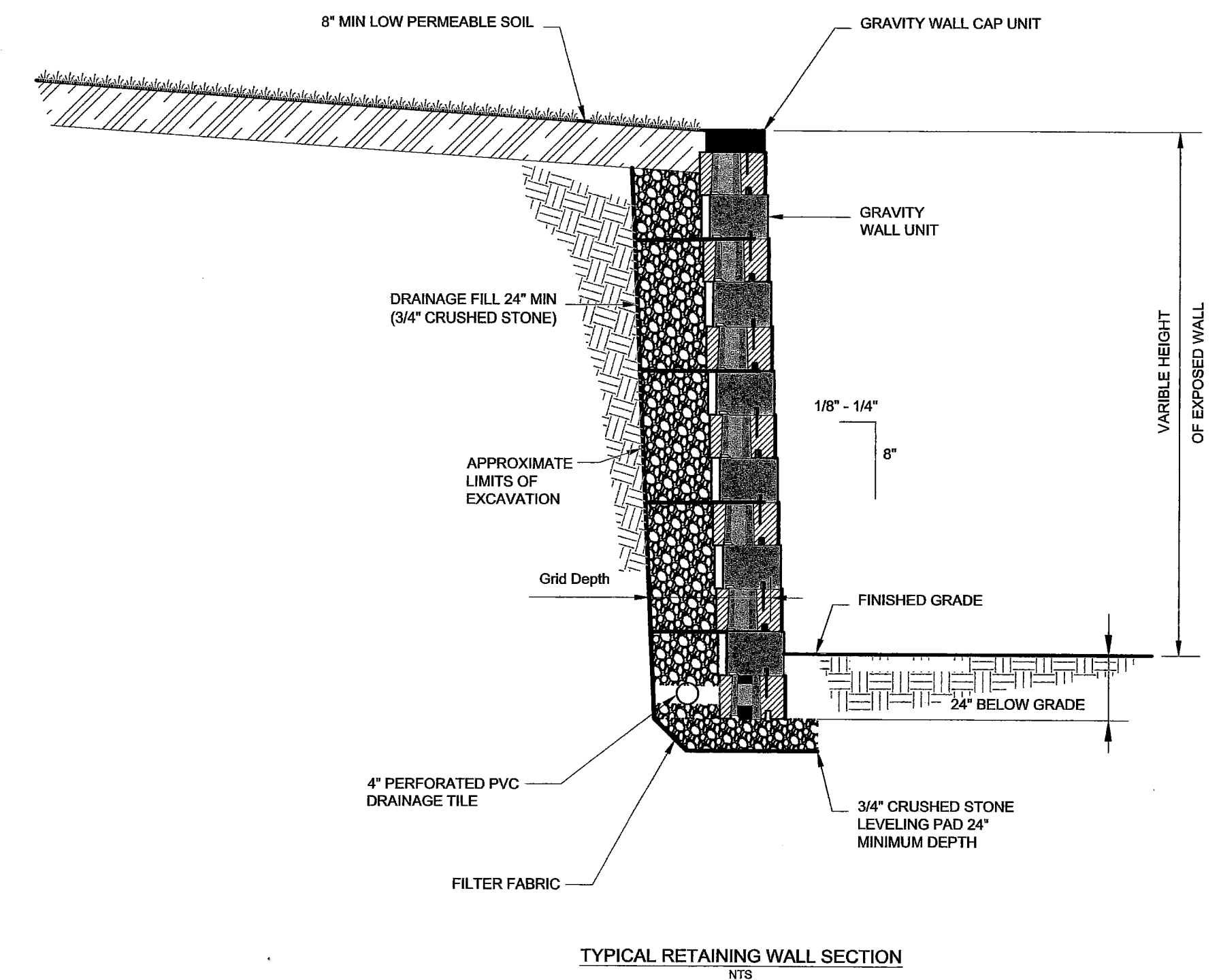
- TRENCH EXCAVATION SHALL MEET ALL OSHA STANDARDS
- IN AREAS WHERE TOTAL BACKFILL DEPTH IS LESS THAN 4', TRENCH INSULATION SHALL BE PROVIDED, SEE DETAIL.

TYPICAL PIPE TRENCH DETAIL
NOT TO SCALE



SANITARY SEWER HYDRAULIC PROFILE THROUGH SECTION A-A
1/2"=1'

- NOTES:
- 1,500 GALLON TREATMENT TANK
 - TREATMENT TANK TO BE OLDCASTLE PRECAST MODEL NO: CST-1500 OR SIMILAR.
 - CONCRETE 5,000 PSI AFTER 28 DAYS.
 - STEEL REINFORCING - ASTM A-615, GRADE 60
 - TANKS TO BE H-20 LOADING.
 - SEAL ALL JOINTS WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT.



TYPICAL RETAINING WALL SECTION
NOT TO SCALE

REVISIONS:	DATE	01-04-06
	NO.	0
PRELIMINARY PLAN SUBMISSION		
SGC ENGINEERING, LLC Civil Design & Survey Engineering Environmental & Regulatory Permitting Electrical Power Systems Engineering		
SERVING OUR CLIENTS IN THE U.S.A. & CANADA 20 Country Drive, Suite 200 Westbrook, Maine 04092 Tel: 207-547-8100 Fax: 207-547-8101		
DATE:	03/20/05	PROJECT: 48300102
DESIGN: MRR	CHECK: MRR	FILE: DETAILS_48300102.DWG
DRAWN: MRR PREPARED FOR: CP&S ASSOCIATES, LLC. 1 BROOKSIDE DRIVE FALMOUTH, MAINE 04105		
DETAILS AND NOTES POWERAIN CARWASH WARREN AVENUE PORTLAND, MAINE 04103		
SHEET: 5.1		

ONLY VALID WITH ORIGINAL STAMP