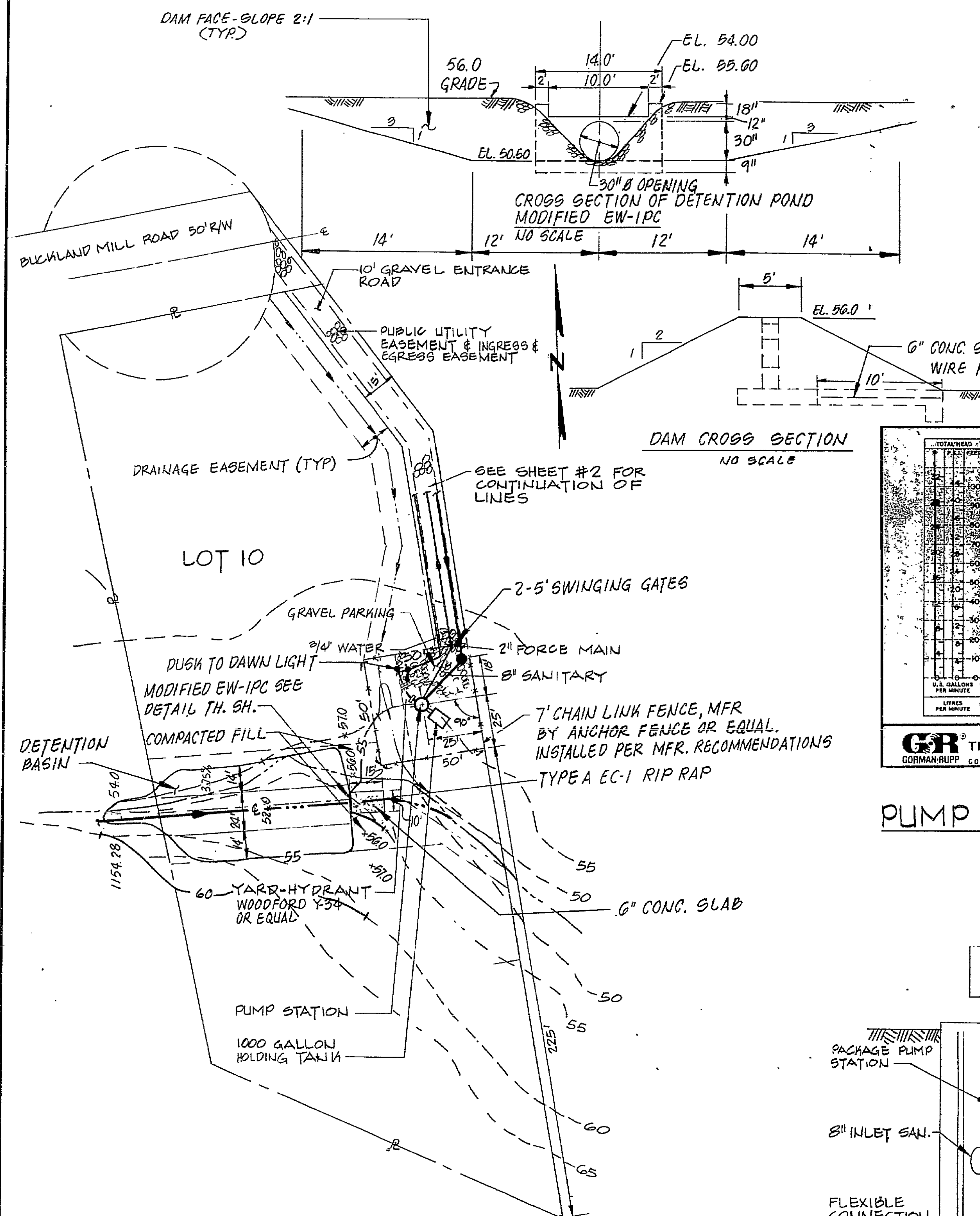
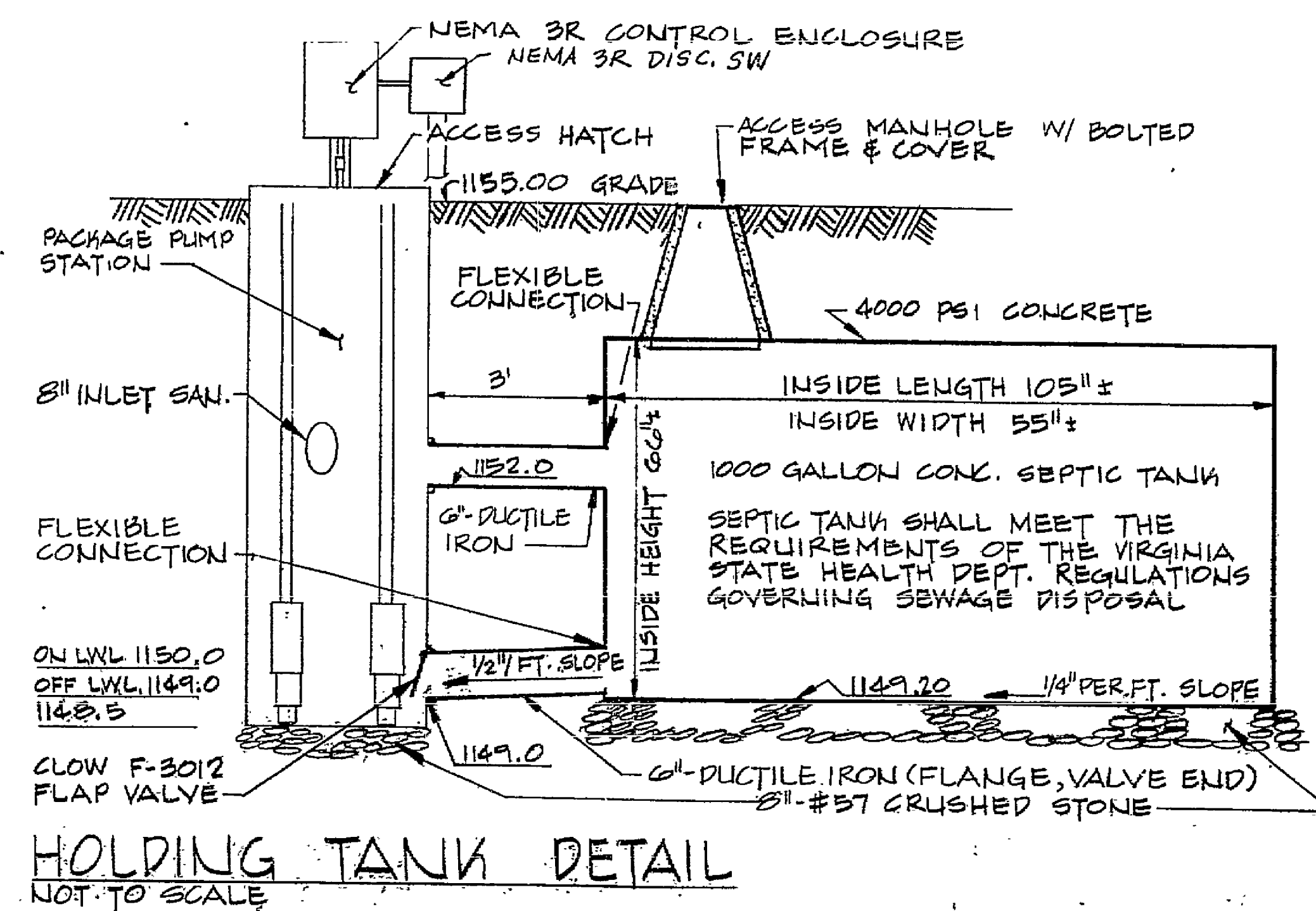
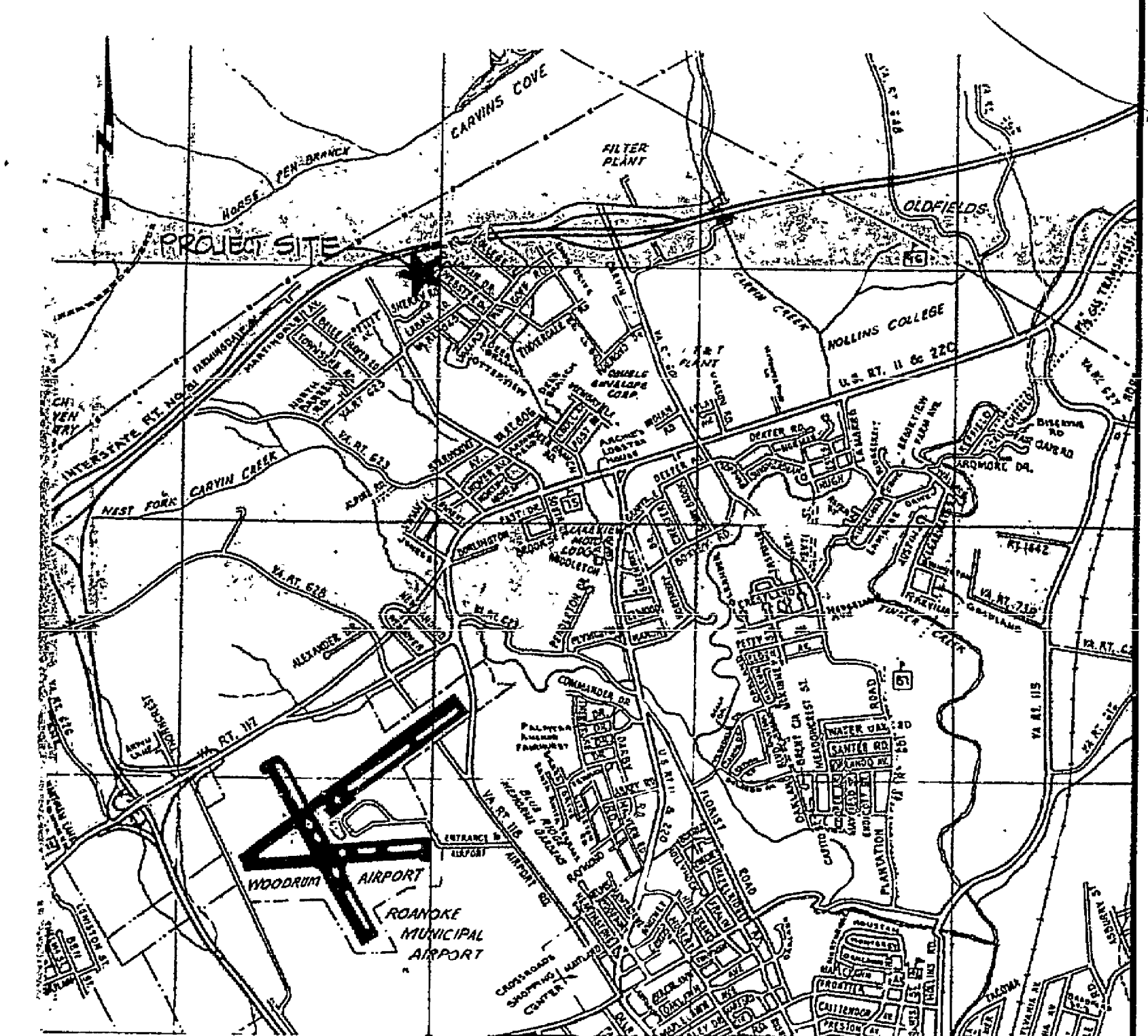
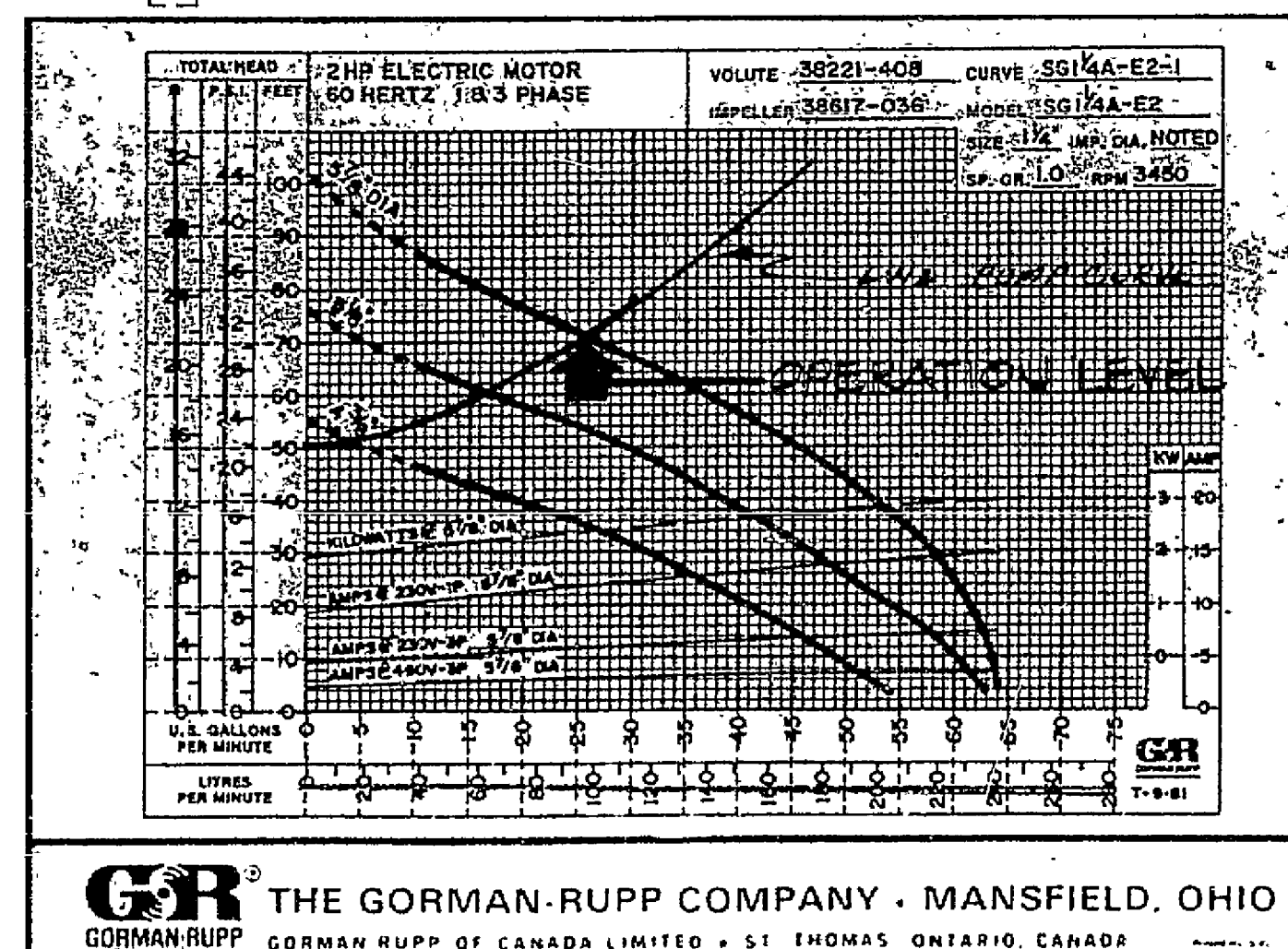




<u>DESIGN CRITERIA</u>	
No. of Connections	27
Average Daily Flow per Connection (75 x 3.5)	865 gpd
Average Daily Flow	7155 gpd
Peak Factor	2.5
Future No. of Connection	0
Total Peak Design Flow (25000/15 Hrs. Peak Hour)	17887 gpd 12.6 cfm
Minimum Flow for 60 sec. at 2 in. in Diameter Force Main	2 tps
Length of Force Main	1360
Equivalent Length of Bends	
Total Length of Force Main	1460
Static Head	56
Total Dynamic Head @ 25 GPM	100
Velocity @ 25 GPM	2.5 ft/sec

- ### GENERAL NOTES
1. Contractor shall install a Gorman-Rupp package sewage pumping station.
 2. Pumps shall be Gorman-Rupp constant speed sewage grinder pumps, Model SG1A-E2 with 3-7/8" impellers. Motors shall be 2 horsepower, 3450 RPM, 1 phase 230 volt. Pumps shall be capable of delivering ~~25~~ gpm at 70 feet of head.
 3. Running time clocks shall be installed on each pump by pump station manufacturer.
 4. An alarm light and horn shall be provided by the manufacturer and installed on the electrical control equipment rack.
 5. A dusk to dawn light shall be provided at the pump station site by the Contractor.



REVISION	DATE	DESCRIPTION			BY APP.
	1-22-89	General			DRM
DESIGNED	WJJ				
DRAWN					
CHECKED	Swift				
APPROVED					
SUBMITTED					
BUCKLAND FOREST SEWAGE PUMP STATION					
Mattern & Craig CONSULTING ENGINEERS			SCALE: A6 NOTED		
			DATE: OCT - 84		SHEET: 4