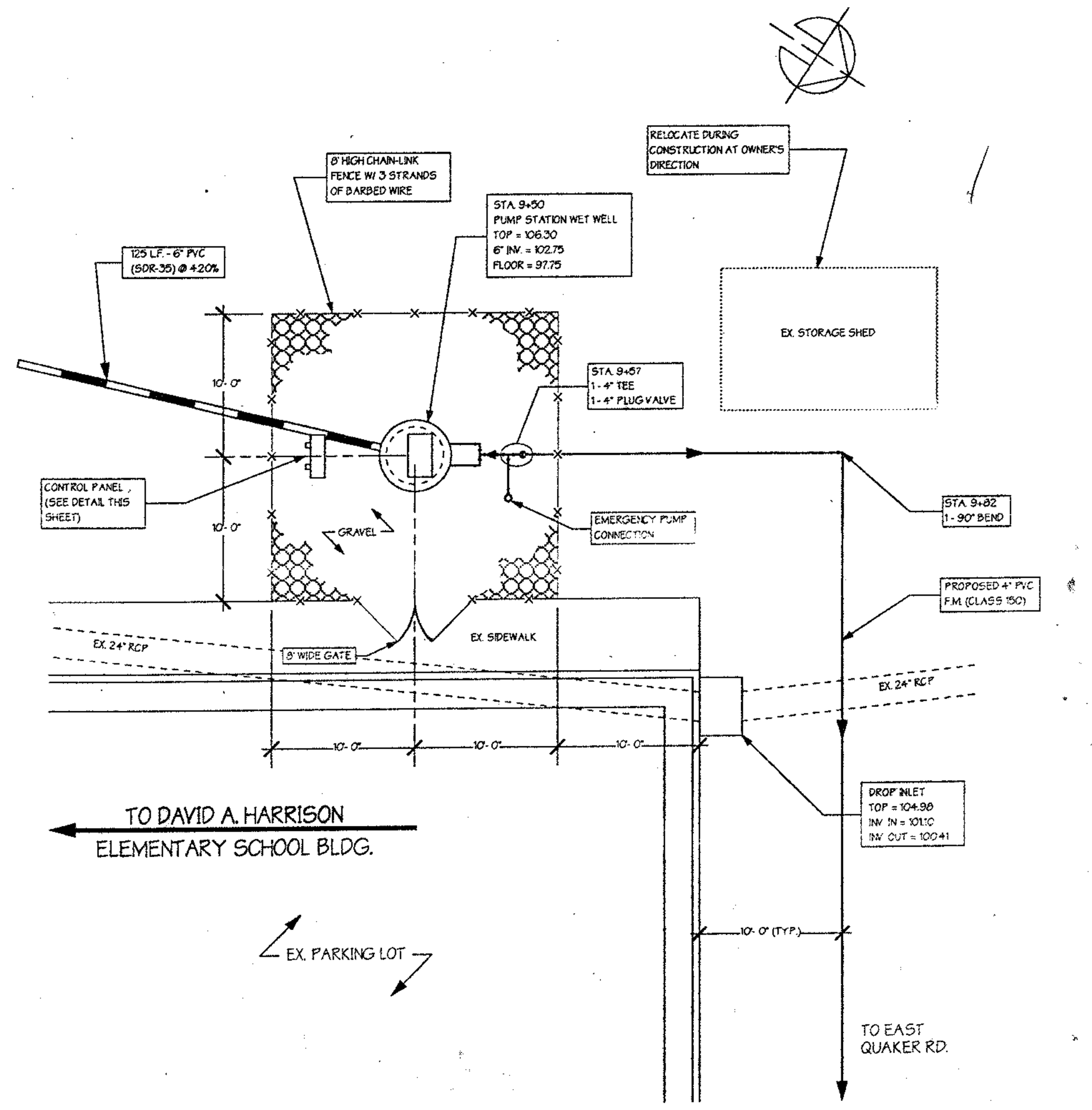
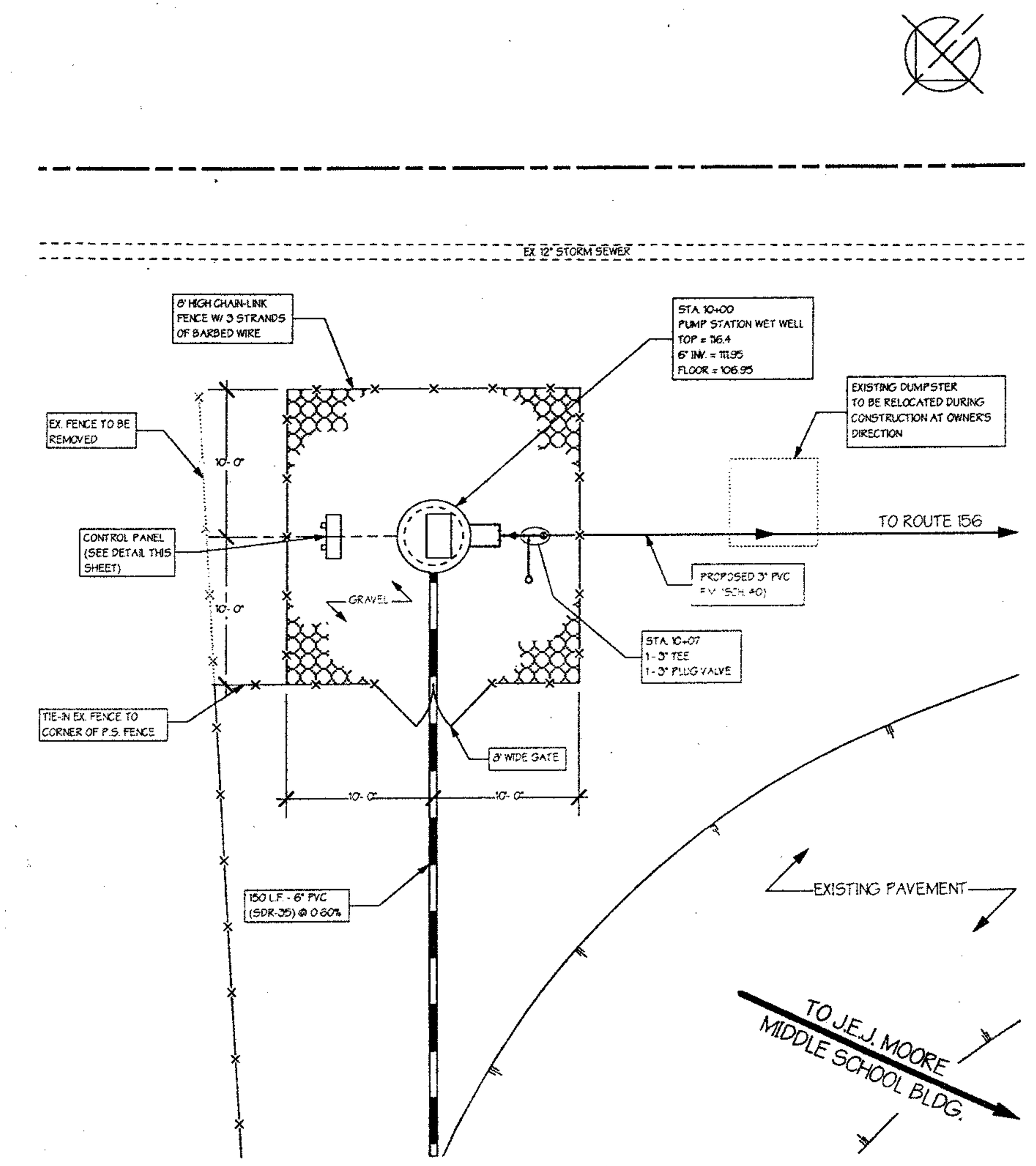


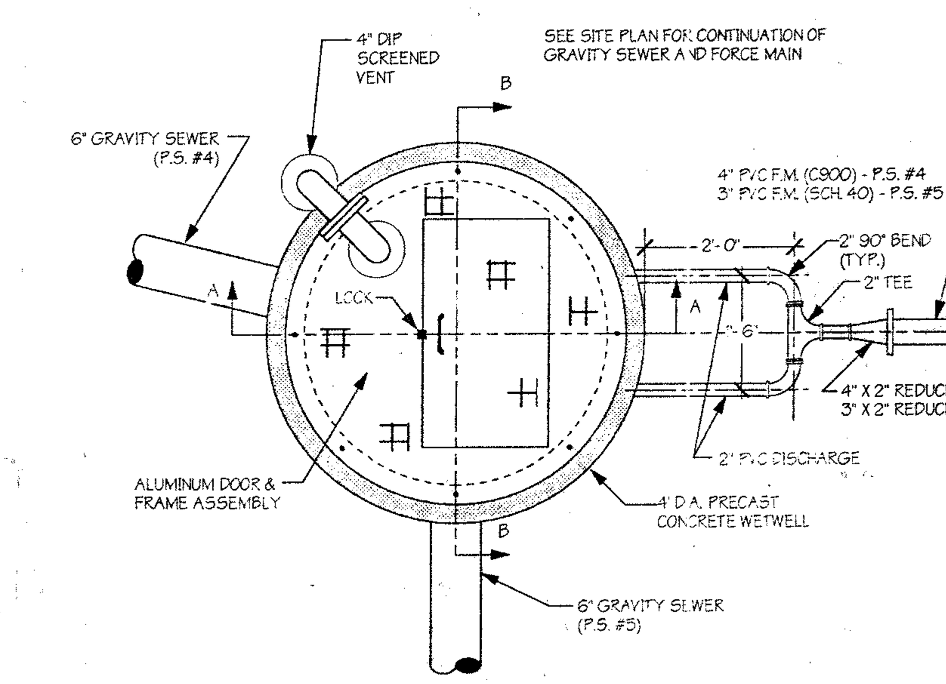
PUMP STATION #4 - SCHEMATIC SITE PLAN

NOT TO SCALE



PUMP STATION #5 - SCHEMATIC SITE PLAN

NOT TO SCALE

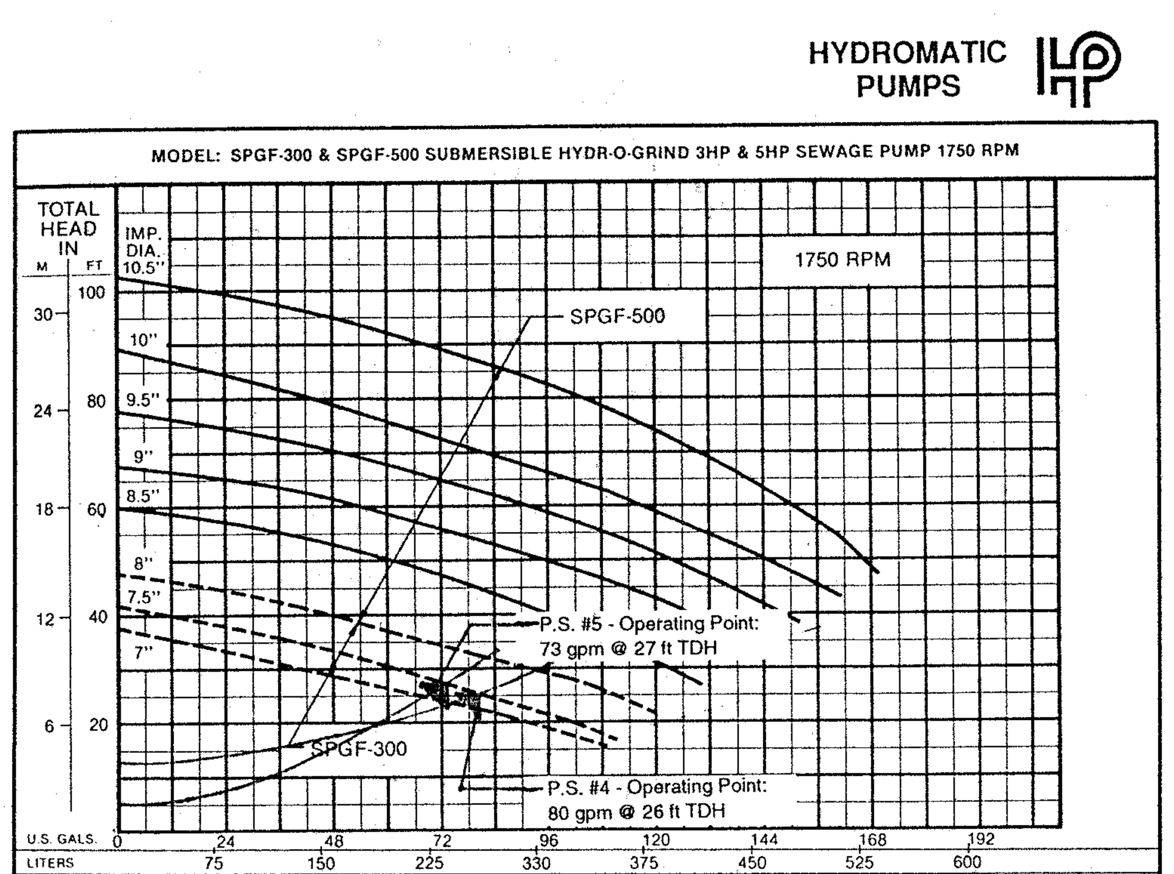


PUMP STATION LAYOUT

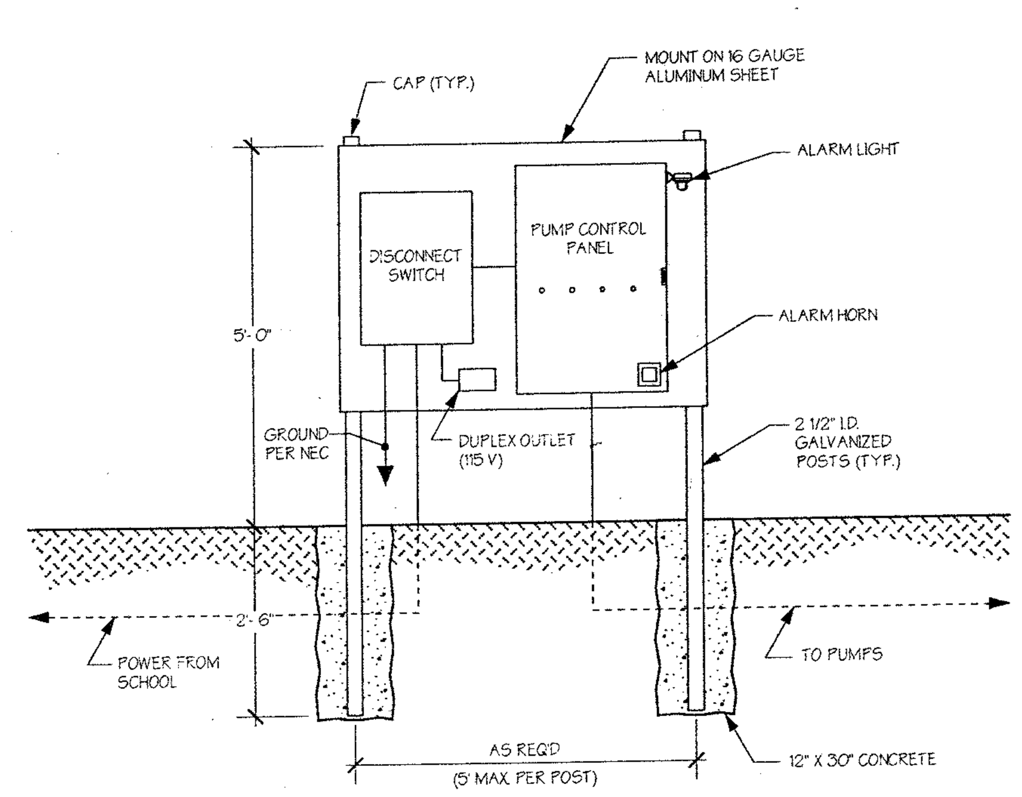
NOT TO SCALE

PUMP STATION NOTES

1. PUMPS FOR P.S. #4 SHALL BE HYDROMATIC SPGF-300 SUBMERSIBLE SEWAGE GRINDER PUMPS (OR APPROVED EQUAL) OPERATING AT APPROXIMATELY 1750 RPM WITH A 3 HP MOTOR. EACH PUMP SHALL BE CAPABLE OF PROVIDING APPROXIMATELY 80 GPM AGAINST A TOTAL DYNAMIC HEAD OF 26 FT.
2. PUMPS FOR P.S. #5 SHALL BE HYDROMATIC SPGF-300 SUBMERSIBLE SEWAGE GRINDER PUMPS (OR APPROVED EQUAL) OPERATING AT APPROXIMATELY 1750 RPM WITH A 3 HP MOTOR. EACH PUMP SHALL BE CAPABLE OF PROVIDING APPROXIMATELY 73 GPM AGAINST A TOTAL DYNAMIC HEAD OF 27 FT.
3. ALL PVC PIPING SHALL BE AWWA C900 EXCEPT WHERE NOTED.
4. ALL PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS SHALL CONFORM TO ASTM C478.
5. ALL JOINTS FOR PRE-CAST CONCRETE SECTIONS SHALL BE SEALED WITH A BUTYL RUBBER SEALANT.
6. THE BASE SECTION OF THE WET WELL SHALL BE MONOLITHIC.
7. CAST-IN-PLACE CONCRETE SECTIONS INCLUDING REINFORCEMENT SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF ACI 301, 315, 318, AND 347.
8. THE CONTRACTOR SHALL COORDINATE AND ALL POWER SERVICE CONNECTIONS WITH THE PROPERTY OWNER. ELECTRICAL CONNECTIONS SHALL BE MADE TO EXISTING PANEL BOX AT EACH SCHOOL.

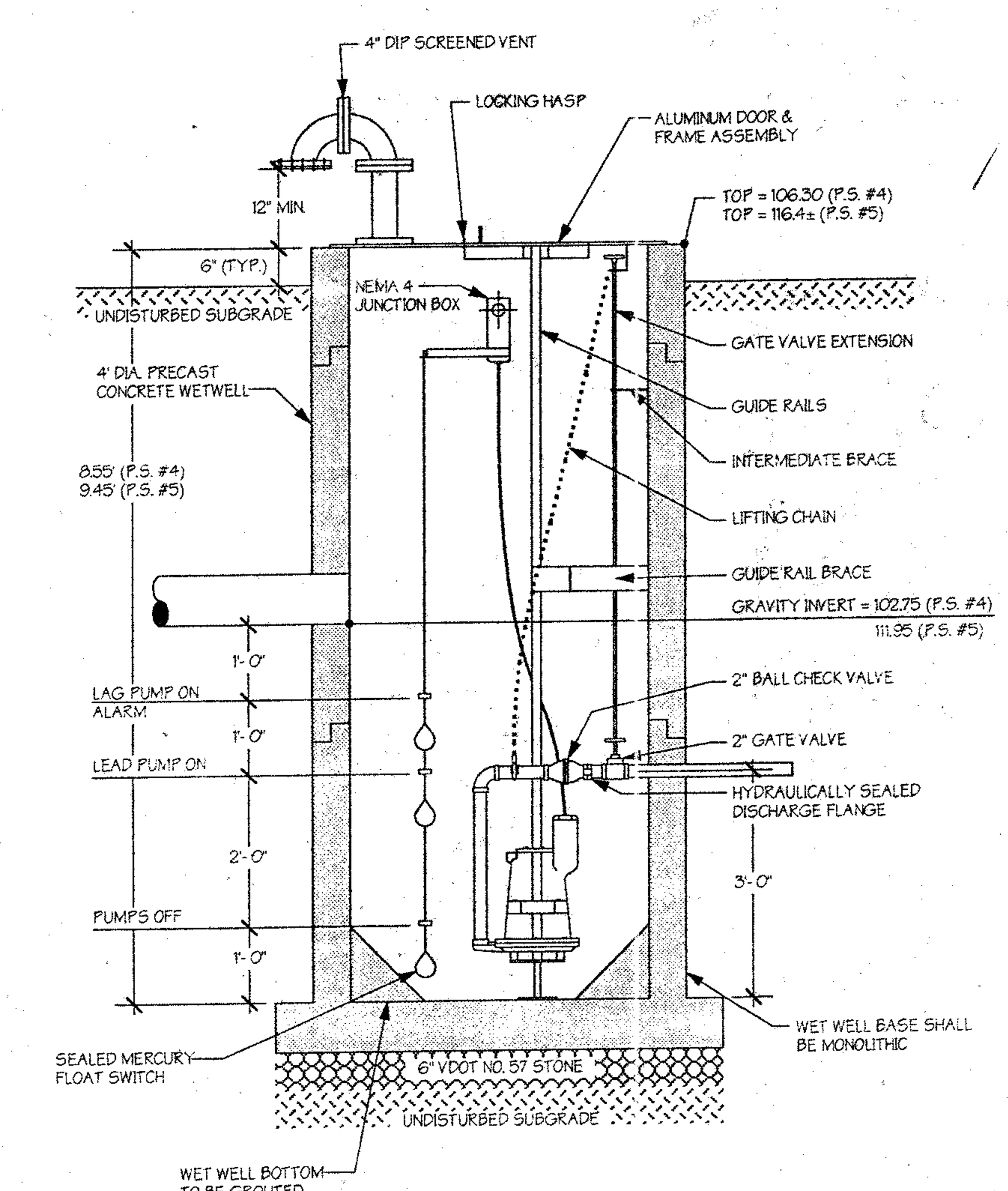


SYSTEM HEAD CURVE



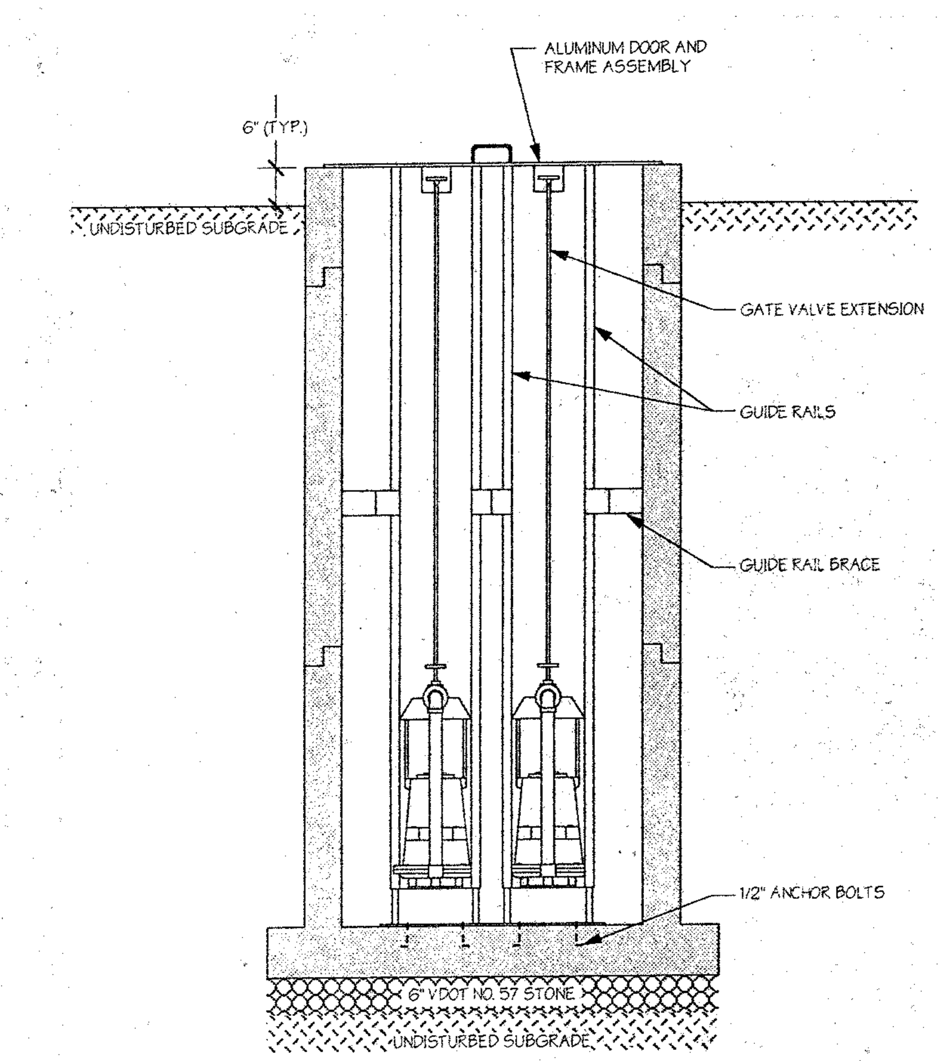
PUMP CONTROL PANEL

NOT TO SCALE



SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE

COMMONWEALTH OF VIRGINIA
THOMAS S. COX
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12/11/94
PROFESSIONAL ENGINEER

COMMONWEALTH OF VIRGINIA
FREDERICK T.M. PRIBBLE
No. 10055
12/11/94
PROFESSIONAL ENGINEER

Draper Aden Associates CONSULTING ENGINEERS BLACKSBURG, VIRGINIA – RICHMOND, VIRGINIA – NASHVILLE, TENNESSEE	DESIGNED: TSC DRAWN: TSC CHECKED: SPH DATE: 5/20/94	DETAILS – PUMP STATION #4 & 5 (INSTALLED BY COUNTY FORCES) DISPUTANTA SEWAGE COLLECTION SYSTEM IMPROVEMENTS PRINCE GEORGE COUNTY, VIRGINIA	REVISIONS: 12/11/94 – VDH, COUNTY, FMHA COMMENTS 5/8/95 – C.O. #1	SCALE: AS NOTED PLAN NO. T-21073 SHEET 42 OF 45