EROSION AND SEDIMENTATION CONTROL NARRATIVE

A. PROJECT DESCRIPTION

As shown on the site plans, this project consists of the addition of a new classroom building, sanitary facilities, 75-space parking lot, and sports fields. The site will be drained by a new storm water system draining to the low area on the northeast portion of the site.

The site will be served by a new pump chamber leading to a pair of new septic fields to the east of the addition.

Existing on-site wells will be used for water supply.

All improvements are proposed in accordance with the appropriate Town of Bolton and Department of Environmental Protection Regulations.

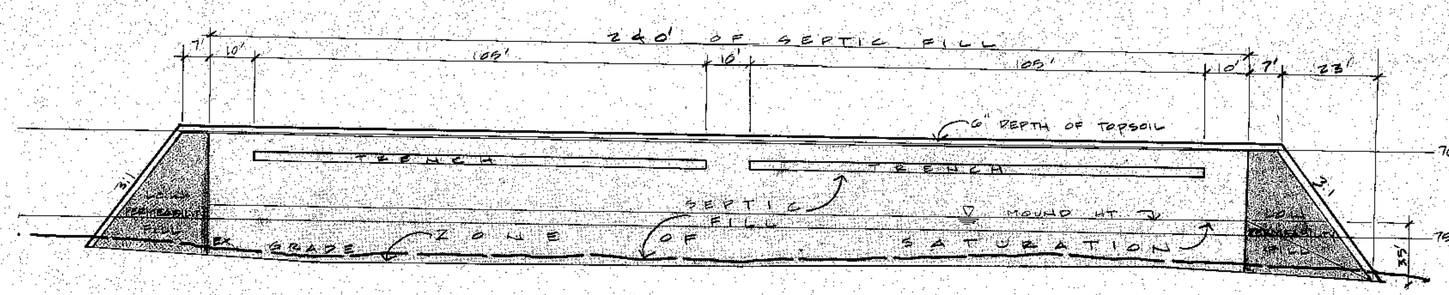
The following sedimentation and erosion control measures are intended to mitigate any adverse environmental impacts from construction of these improvements:

B. GENERAL SEDIMENT AND EROSION CONTROL REQUIREMENTS

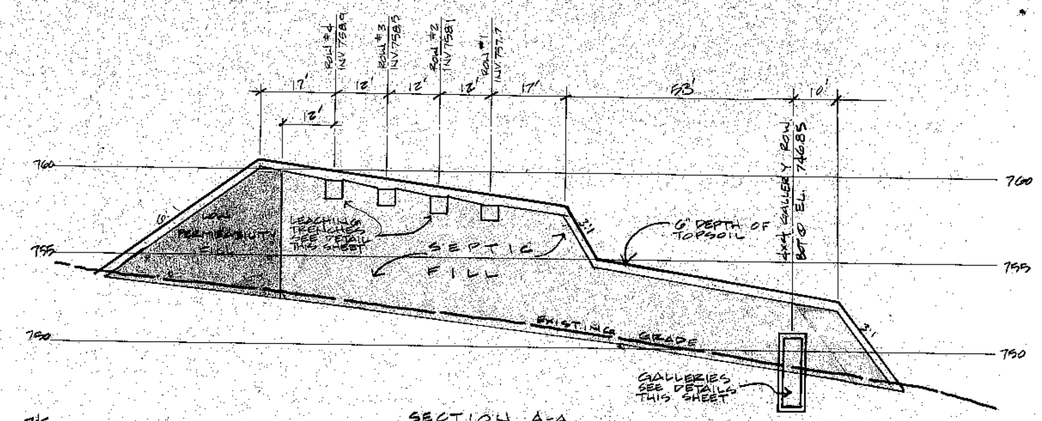
1. The General Contractor is responsible for containing all eroded sediments and siltation on-site and out of any watercourses.
2. All construction procedures shall be in general accordance with the "Connecticut Guidelines for Soil Erosion and Sediment Control" by the Connecticut Council on Soil and Water Conservation.
3. Prior to the initiation of any site work, the Contractor will assign Erosion & Sedimentation (E & S) Control responsibility to a supervisor who is familiar with these plans and will be available for on-site inspection and supervision. That person's name and phone number shall be supplied to Town Staff for contact during emergencies.
4. The E & S Control Supervisor shall make weekly inspections of all sediment and erosion controls and undertake corrective action as required to assure satisfactory operation. Regular reports of inspections and actions shall be supplied to Town Staff at intervals specified by the Staff.
5. Care shall be taken during construction to install and maintain all sediment and erosion controls to contain eroded sediments on-site. Regular maintenance shall be undertaken as required to prevent the discharge of eroded sediments into drainage systems or water courses.
6. Pumped excavations will be discharged to temporary sediment pools constructed for this purpose. No pumping will be allowed to discharge directly to the street, streams, or wetlands.
7. Material specification for topsoil, seed, and mulch shall conform to that specified in the Connecticut DOT Standard Specifications for Roads, Bridges, and Incidental Construction, Form 814, Section M.13.01 through M.13.06.
8. Hay bales shall be installed and maintained around catch basins as shown until final paving and ground stabilization has been achieved.
9. Temporary stockpiles of stripped material shall be spread and graded as soon as is practicable; however, no stockpiled material shall be left for more than 30 days without the establishment of a temporary vegetative cover; or, in times out of planting seasons, covered with a 2" layer of wood chip or fabric mulch.
10. Slopes steeper than three feet horizontal to one foot vertical shall be protected with mulch blankets, jute netting, or another approved erosion control surface until an adequate stand of grass is established.
11. The installation and maintenance of all sediment and erosion controls is solely the responsibility of the Contractor.
12. Additional control measures shall be installed during the construction period as required, or as ordered by the Town.

C. SEQUENCE OF CONSTRUCTION

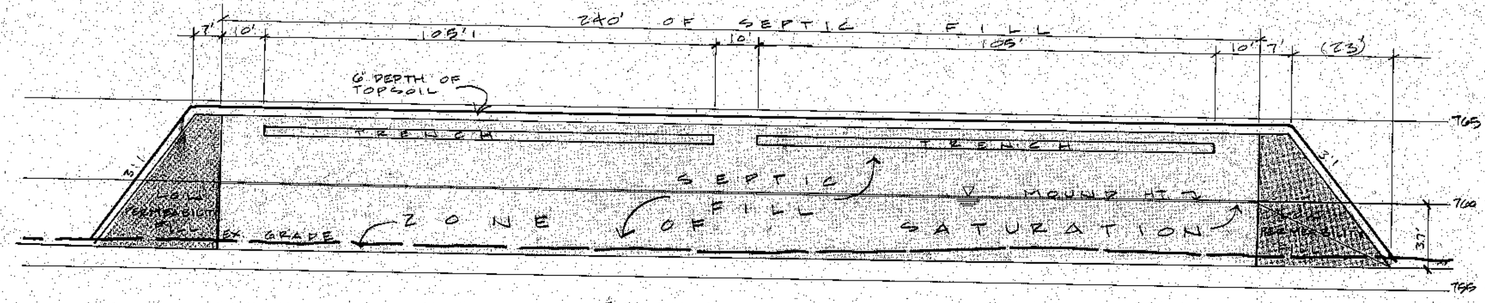
1. Start-up of grading activities shall begin as soon as is practicable during the summer of 1992. Town Staff shall be notified of impending construction activities.
2. Install construction entrance.
3. Prior to any grading activity, hay bales and/or silt fences are to be installed as shown and shall be maintained in place until construction is completed and/or the area is stabilized to the satisfaction of the Town Staff.
4. Box out new drives and parking and install site drainage. As soon as drainage structures are installed, surround with hay bales. Maintain hay bales and remove build-up of silt. Hay bales shall be maintained until the site has been topsoiled and seeded and a stand of grass has been established, and at least the binder course of paving has been placed.
5. Building construction and additional utility installation may begin once erosion control measures have been placed.
6. Disturbance of existing ground shall be limited to areas of proposed slope limits and stockpile areas. Construction shall be planned to minimize the area of bare soil at any given time.
7. Prepare subgrade for paving; install improvements; place paving and curbing and topsoil; seed and mulch grassed areas; install landscaping and mulch beds.
8. Placement of topsoil, seed, and mulch for all disturbed areas shall be completed prior to Fall, 1992. In the event that seeding cannot be done by this time, all disturbed areas shall be temporarily mulched through the spring, and seeding shall be completed prior to May 31, 1993.
9. Remove all temporary erosion control devices only after all areas have been paved and/or grass has been well-established. Dispose of in an appropriate manner.



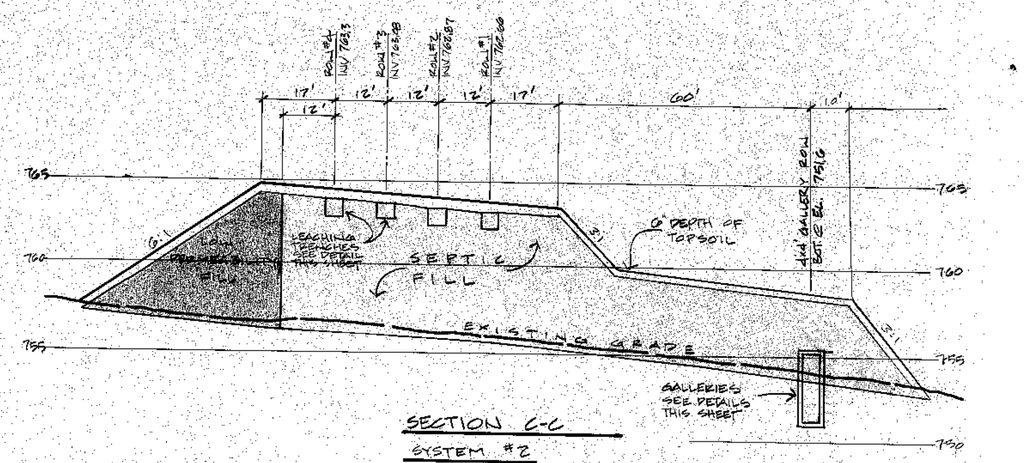
CROSS-SECTION B-B
SYSTEM #1
SCALE 1"=20' HORIZ. 1"=5' VERT.



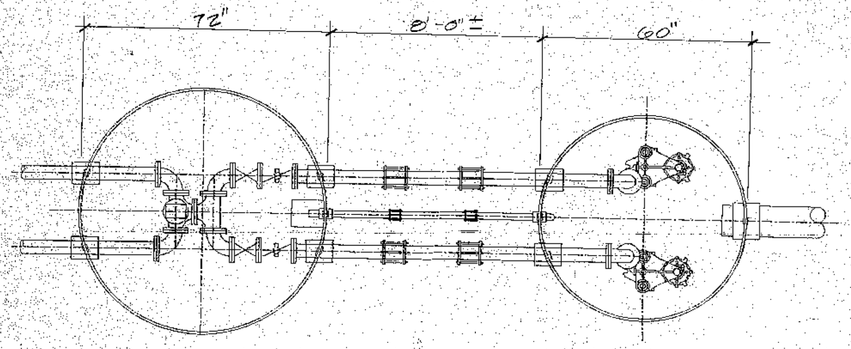
SECTION A-A
SYSTEM #1
SCALE: 1"=20' HORIZ. 1"=5' VERT.



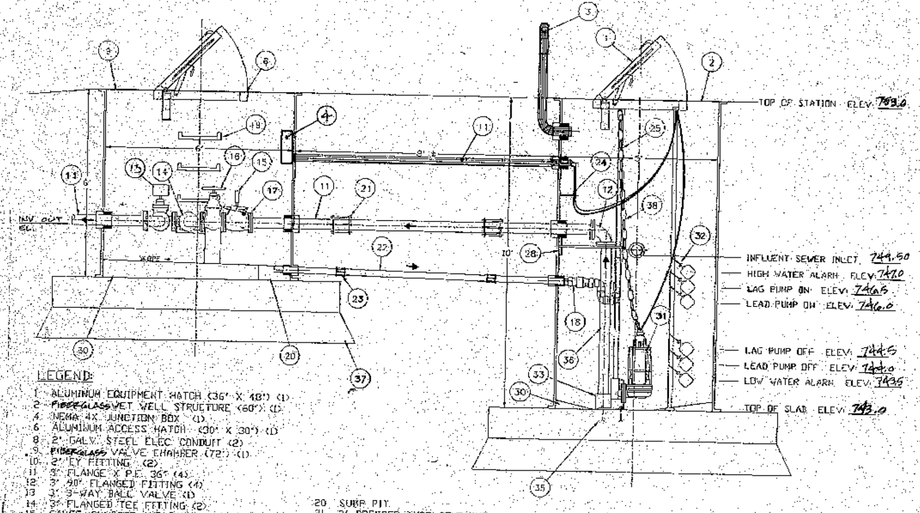
CROSS SECTION D-D
SYSTEM #2
SCALE: 1"=20' HORIZ. 1"=5' VERT.



SECTION C-C
SYSTEM #2
SCALE: 1"=20' HORIZ. 1"=5' VERT.



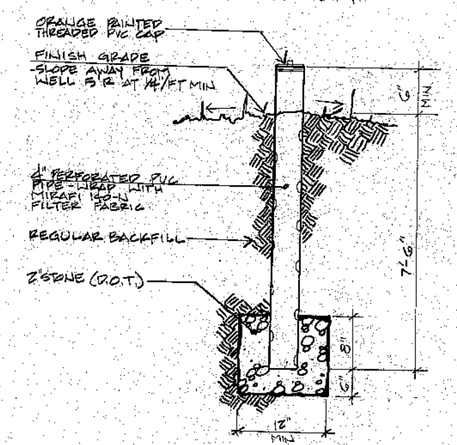
PLAN VIEW



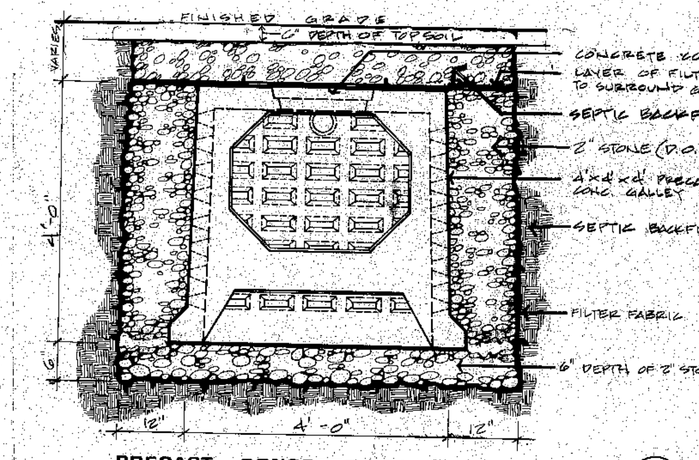
LEGEND
1. ALUMINUM EQUIPMENT HATCH (32" X 48") (1)
2. FIBERGLASS WET WELL STRUCTURE (60") (1)
4. HDMA 4X JUNCTION BOX (1)
6. ALUMINUM ACCESS HATCH (30" X 30") (1)
8. 2" GALV. STEEL ELEC. CONDUIT (2)
9. FIBERGLASS VALVE CHAMBER (72") (1)
10. 2" EY FITTING (2)
11. 6" FLANGE X PE 307 (4)
12. 3" 90° FLANGED FITTING (4)
13. 3" 2-WAY BALL VALVE (1)
14. 3" FLANGED TEE FITTING (2)
15. GRADE SNUBBER AND BALL VALVE (2)
16. 3" GATE VALVE (2)
17. 3" CHECK VALVE (2)
18. 6" PVC CHECK VALVE (2)
19. MANHOLE LADDER
20. SUMP PIT
21. 3" DRESSER TYPE COUPLING (4)
22. 3" SCHED. 80 PVC DRAIN LINE
23. 2" DRESSER TYPE COUPLING (2)
24. CABLE SUPPORT
25. 3/4" SCHED. 40 S.S. SLIDE RAIL (4)
26. PIPE & RAIL SUPPORT
27. CONCRETE FILLET (POURED IN FIELD BY OTHERS)
28. SUBMERSIBLE SEWAGE PUMP
29. FLOAT SWITCH (6)
30. PUMP DISCHARGE ASSEMBLY (2)
31. S.S. ANCHOR BOLTS
35. 3" SCHED. 80 PVC DISCHARGE PIPE
37. GRAVEL BASE (BY OTHERS)
38. S.S. LIFTING CHAIN

NOTE: ALL EQUIPMENT TO BE LOCATED 3'-0" ABOVE GRADE

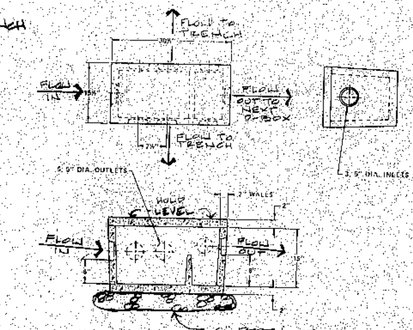
Sanitary Pump & Valve Chamber
NOT to SCALE
F



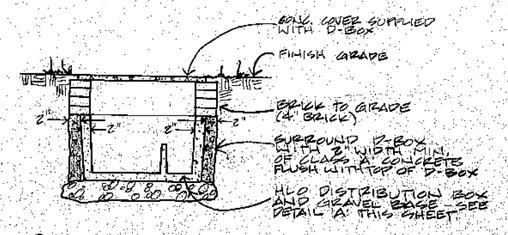
GROUND WATER QUALITY MONITORING WELL (GQMW)
NOT TO SCALE
I



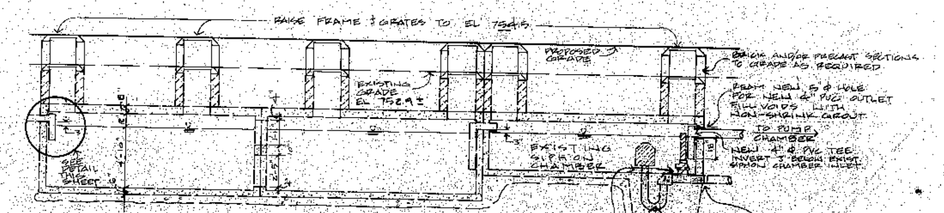
PRECAST CONCRETE GALLEY
Not to scale
D



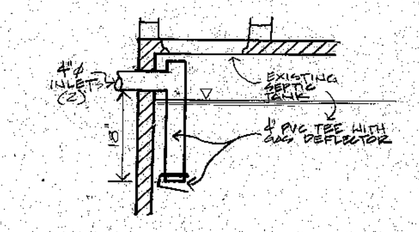
HIGH LEVEL OVERFLOW DISTRIBUTION BOX BY ROTONDO & SONS, INC. OR EQUAL
HIGH LEVEL OVERFLOW (H.L.O.) DISTRIBUTION BOX
NOT TO SCALE
A



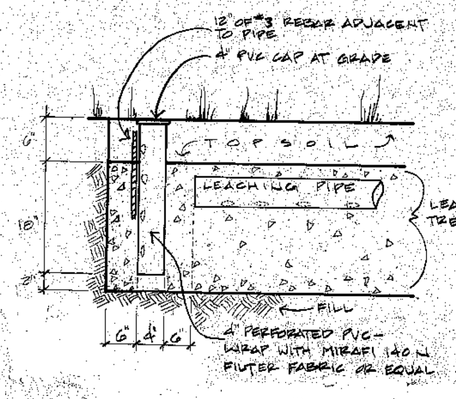
DISTRIBUTION BOX COVER TO GRADE
NOT TO SCALE
G



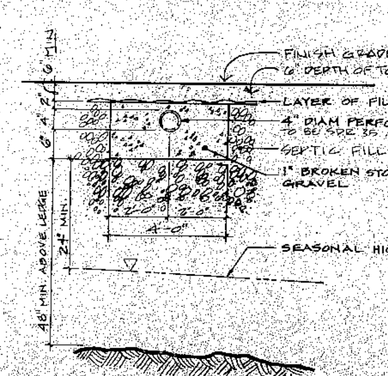
EXISTING SIPHON CHAMBER CONVERSION
NOT TO SCALE
B



INLET BAFFLE WITH GAS DEFLECTOR
NO SCALE
H



LEACHING TRENCH MONITORING WELL
NOT TO SCALE
E



LEACHING TRENCH
NOT TO SCALE
C

OWNERSHIP OF DOCUMENTS
This document, and the ideas and designs incorporated herein as an instrument of service, is the property of the architect and is not to be used, in whole or in part, for any other project without the written authorization of the architect.

REVISIONS

NO.	DATE	DESCRIPTION
	5-19-92	SEPTIC
	7-31-92	REVISIONS
	10-7-92	GALLEYS, SEPTIC DETAILS

TMR land planners
222 McKee st. Manchester, CT.
Civil Engineering
Landscape Architecture
Land Planning

THE LAWRENCE ASSOCIATES
1075 TOLLAND TURNPIKE, MANCHESTER, CONNECTICUT 06040
(203) 643-2161

PROJECT NUMBER 265.01

PROJECT TITLE
ALTERATIONS AND ADDITIONS TO:
BOLTON ELEMENTARY SCHOOL
NOTCH ROAD
BOLTON, CONNECTICUT

DRAWING TITLE
SEPTIC SYSTEM PROFILES

SCALE AS SHOWN | DATE 10/17/1992

L-5
DRAWING 6 OF 89