

SOIL EROSION AND SEDIMENT CONTROL MEASURES

General Measures

1. Damage to surface waters resulting from erosion and sedimentation shall be minimized by stabilizing disturbed areas and by removing sediment from construction site discharges.
2. Insofar as practicable, existing vegetation shall be preserved.
3. Site preparation activities shall be planned to minimize the area and duration of soil disruption.
4. Permanent traffic corridors shall be established and "routes of convenience" shall be avoided.
5. Construction traffic shall not cross streams or ditches except at suitable crossing facilities, and shall not operate unnecessarily within waterways or drainage ditches.

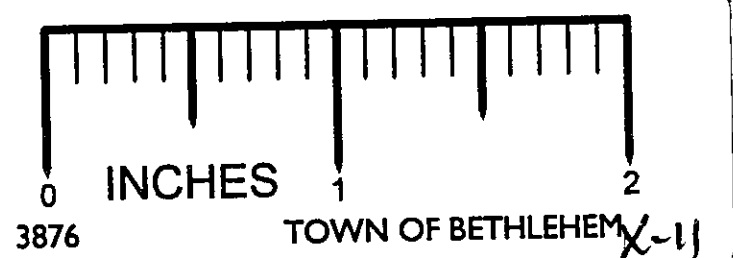
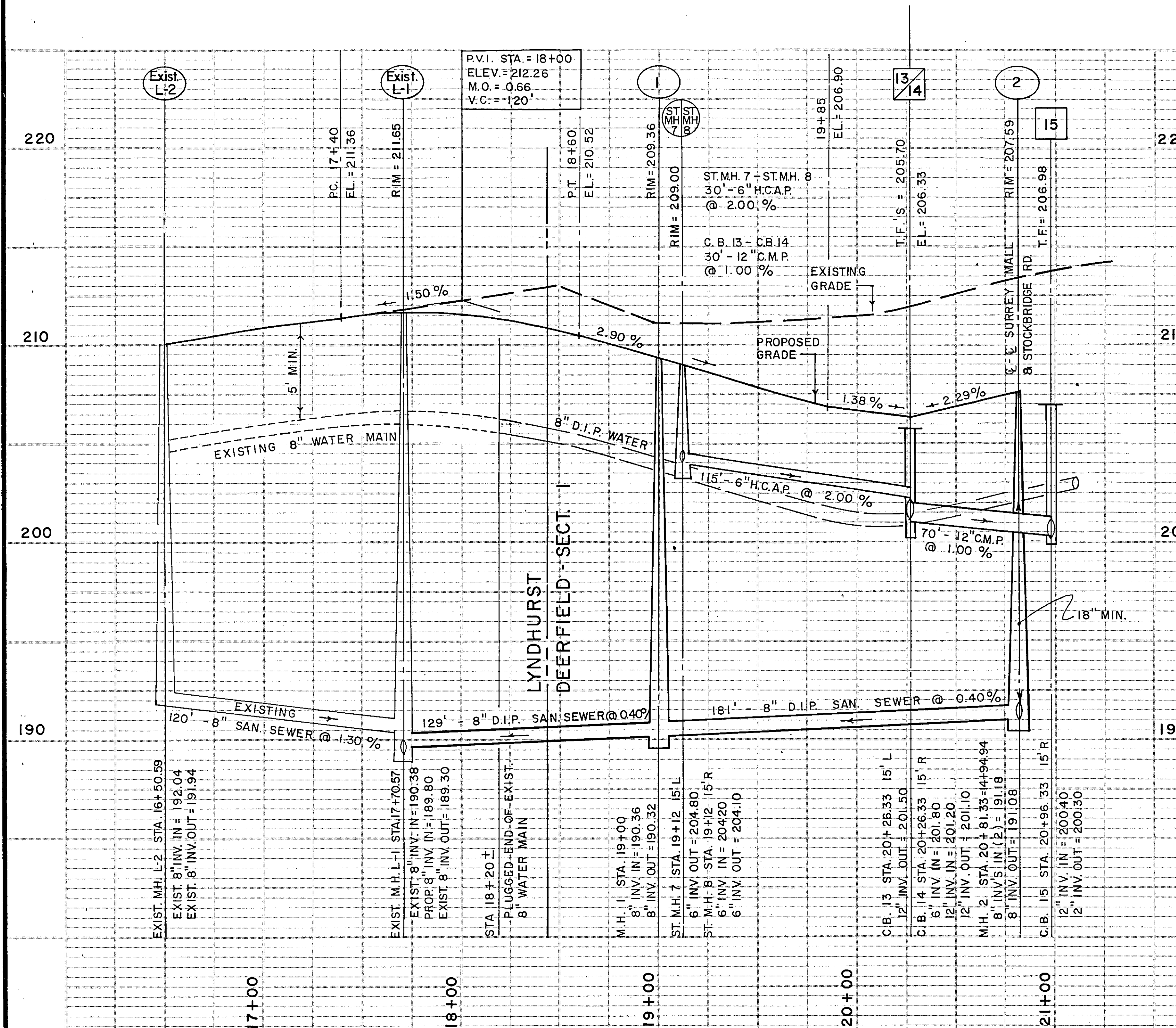
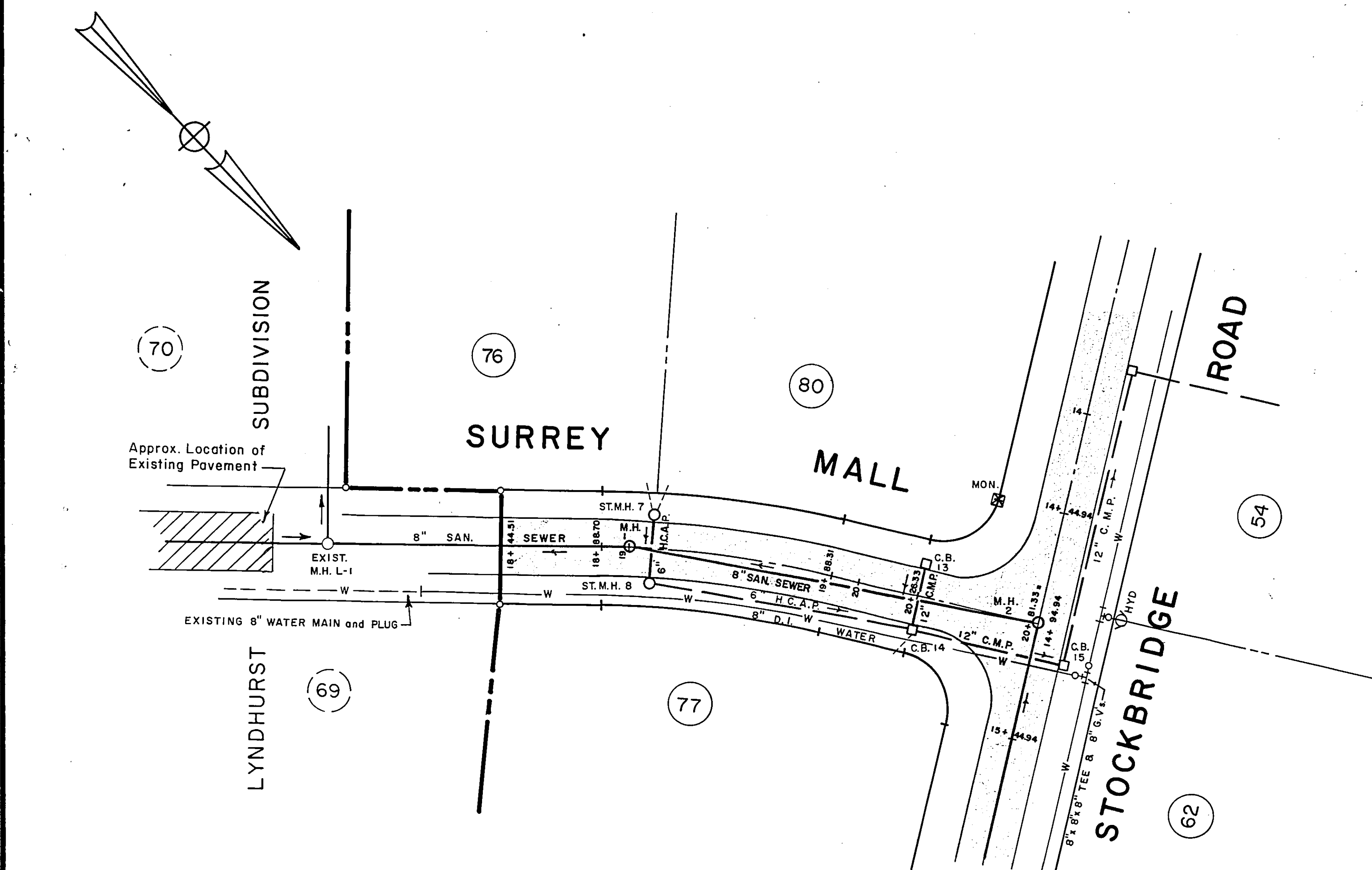
Particular Measures

1. Storm Drain Inlet Hay Bale Filter: Immediately following completion of any and all of the proposed storm drain inlets, storm drain inlet hay bale filters shall be constructed. The hay bale filters shall function to prevent sediment entrance to the storm drains. They shall be maintained in good condition until final vegetative cover is well established.
2. Drainage Ditch Sediment Filters: Until such time as final site stabilization is completed ditches will receive treatment with aggregate sediment filters so as to effectively trap sediment and minimize its release offsite. An aggregate filter shall be constructed within each ditch at its downstream terminus. Additional filters shall be constructed as are deemed necessary by the Town Engineer.
3. Hay Bale Berms: Hay bale berms shall be constructed around all stockpiles of fill, topsoil, and excavated overburden that are to remain exposed for periods less than 30 days. Hay bale berms shall be anchored and maintained in good condition until such time as said stockpiles are removed and stockpiling areas are brought to final grade and permanently stabilized.
4. Topsoil and fill that is to remain stockpile on-site for periods greater than 30 days shall be stabilized by seeding. Prior to the seeding operation, the stockpiled material shall be graded as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.
5. In no case shall erodible materials be stockpiled within 25 ft. of any ditch, stream, or other surface water body.
6. Permanent Vegetative Cover: Immediately following the completion of construction activities in any portion of the site, permanent vegetation shall be established on all exposed soils.
7. Traffic Control: Corridors for the routing of construction traffic shall be predetermined to minimize land disturbance. Construction traffic shall not cross ditches or streams except at appropriate, specified crossings.
8. All healthy trees of desirable species are to be protected from damage. All unnecessary removal of healthy trees shall be avoided.

Aggregate used for filter construction shall consist of well-graded stone ranging up to 1.5 inches in diameter. The aggregate filter shall be placed so as to fully span the ditch cross section such that all flow shall pass through rather than around or over the filters. Filters to be maintained throughout the construction period and until such time as final stabilization of the upstream areas contributing flow is achieved. The developer shall be responsible for removing drainage ditch sediment filters after, in the opinion of the engineer, stabilization of upstream contributory areas is achieved.

NOTES

- 1- Storm sewers, water mains, and underground utilities are shown in their relative position and for information only. Their exact location shall be checked at the site before construction begins.
- 2- Contractor shall restore lawns, driveways, walks, walls, curbs, fences, etc. to a condition at least as good as they were before being disturbed.
- 3- Box all trees and house all shrubs and hedges before placing earth against or near them. Shrubs and hedges which must be removed during construction shall be headed in and replanted in as good a condition as they were before their removal. Any damaged trees, shrubs, and/or hedges shall be replaced at the contractor's expense.
- 4- Posts, mailboxes, etc. shall be protected, or removed and replaced exactly as they were before being disturbed. Damaged items shall be replaced at the contractor's expense.
- 5- No work, storage, or trespass shall be permitted beyond the boundaries of the easement as shown and staked.
- 6- Sewer mains in relation to water mains: where possible, sewers shall be laid at least 10 (ten) feet horizontally from any existing or proposed water main. Vertical separation shall be maintained to provide 18 (eighteen) inches between top of sewer and the invert of the water main at utility crossings. When impossible to obtain the proper vertical separation, cast iron pipe shall be used 10 (ten) feet on each side of the water main being crossed.



ALBANY COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICES.

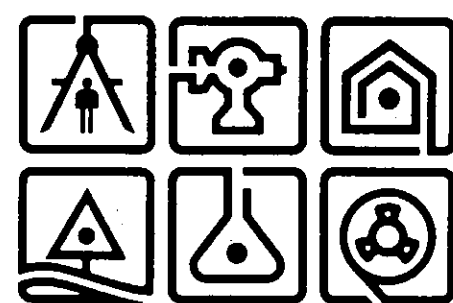
By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for date and signature.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



C.T. MALE ASSOCIATES, P.C.
50 Century Hill Drive, Latham, NY 12110

Engineering Surveying Architecture Landscape Architecture
Laboratory Services Computer Services



DATE	RECORD OF WORK	Drawn	Check	Appr.
8.6.84	REVISED INV. IN, M.H. 2	SEQ	JEF	
9.6.84	ADDED EXIST. WATER MAIN PLUG	JB		

DATE	RECORD OF WORK	Drawn	Check	Appr.

DRAWN BY JMG	TOWN OF BETHLEHEM
CHECKED BY	COUNTY OF ALBANY
APPROVED BY PAUL K. MALE	DATE MAY 16, 1984
LICENSE NO. P.E. 57,084	SCALES: HOR. 1 inch = 50 feet; VERT. 1 inch = 5 feet

PLAN / PROFILE
DEERFIELD - SECTION 1
SURREY MALL - STA. 18+44.51 TO STA. 20+81.33

DWG NO. 84-153
Sheet 4 of 5
FEB 11 1985