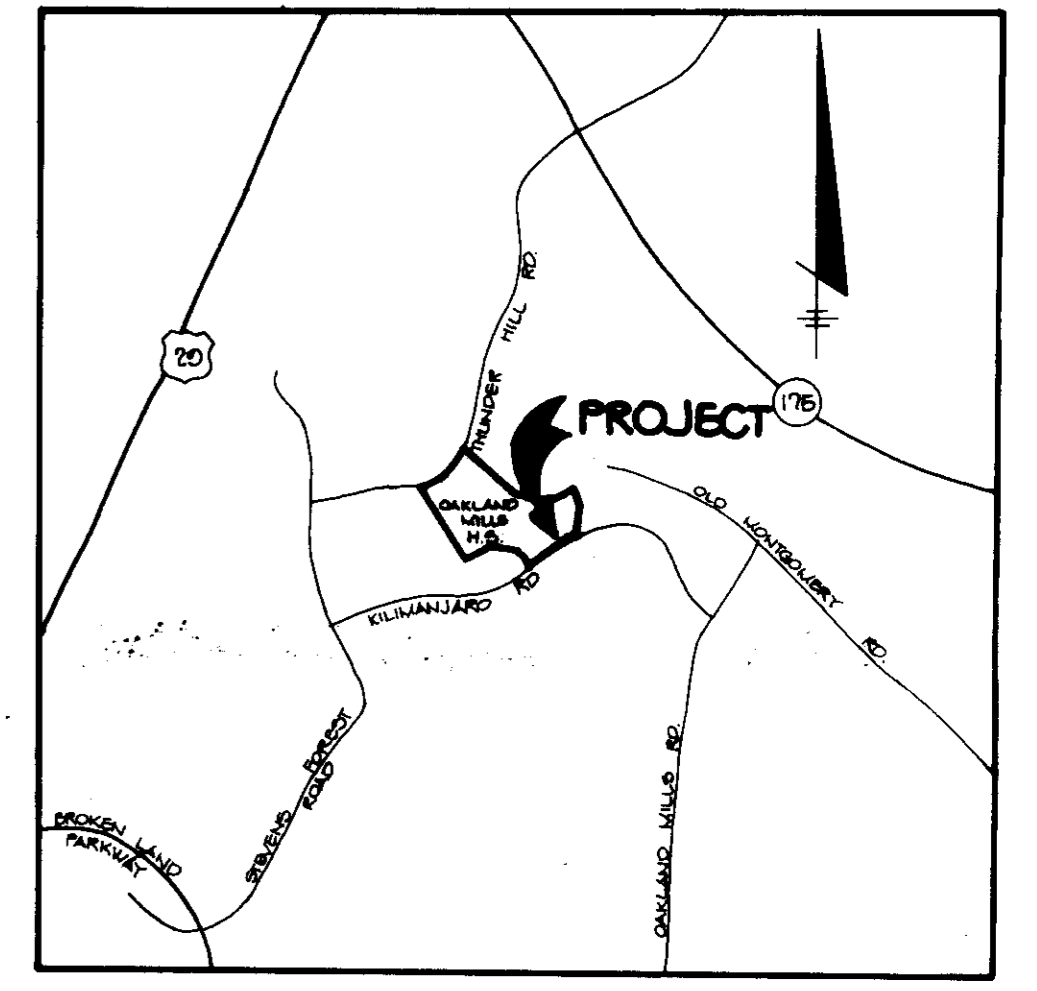


SITE TABULATION

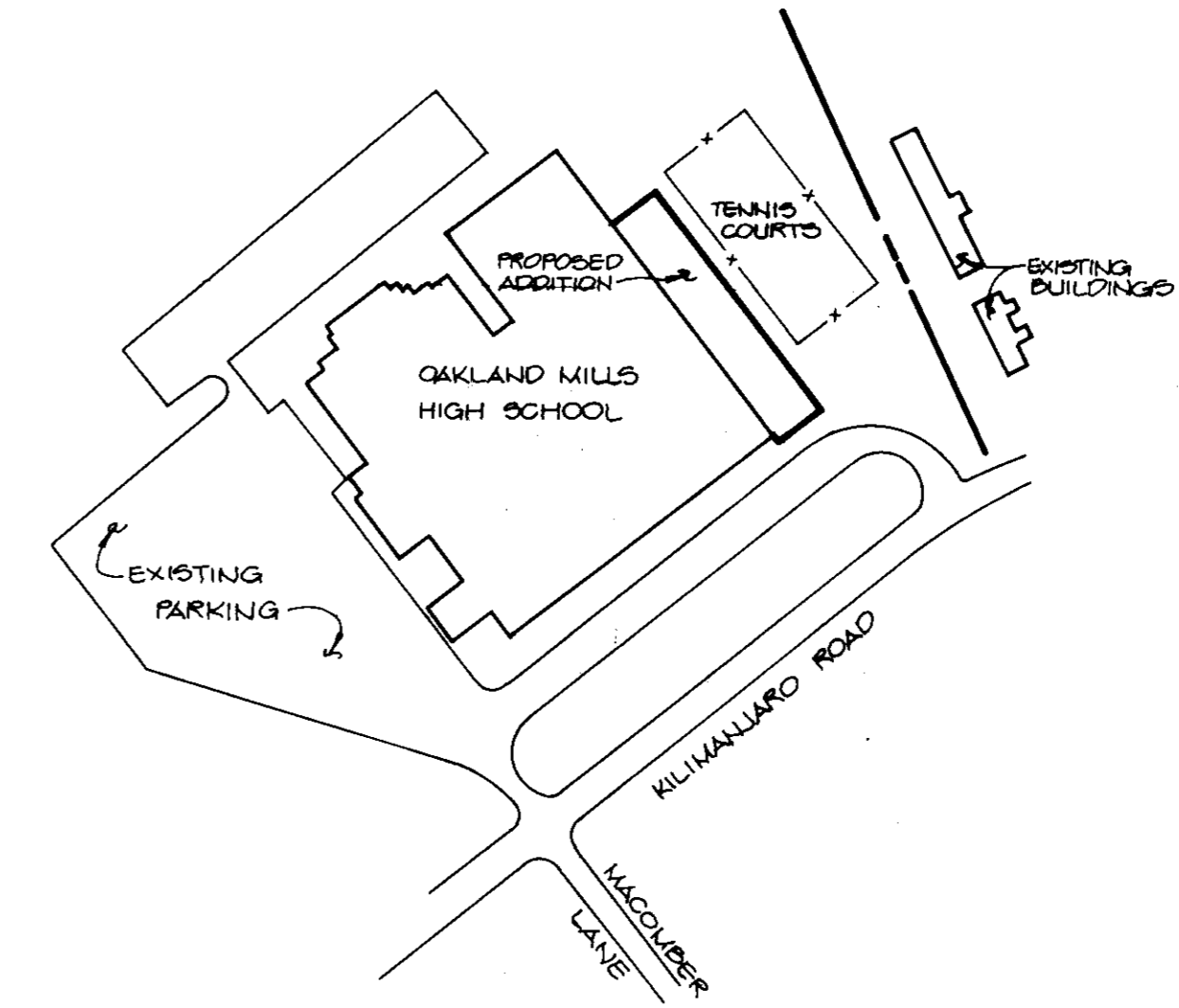
AREA OF SITE 28.6 AC (1,245,816 S.F.)
 AREA OF SUBMISSION 0.04 AC (40,046 S.F.)
 PRESENT ZONING NEW TOWN (FOP, PHASE 102)
 PROPOSED USE SCHOOL ADDITION
 PROPOSED BUILDING COVERAGE 18,300 S.F. (1.5% OF SITE)
 ADDITIONAL PARKING REQUIRED (PER MD. CO. BOARD OF EDUCATION) 0 SPACES

SHEET INDEX

NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	GRADING AND SEDIMENT CONTROL PLAN
3	DETAIL SHEET



VICINITY MAP
SCALE: 1"=2000'



OVERALL SITE LAYOUT
SCALE: 1"=200'

VILLAGE OF OAKLAND MILLS
 SECTION 2 AREA 4
 PARCEL E
 PLAT BOOK 21, FOLIO 5

EXISTING SCHOOL BUILDING
 FF ELEV. 414.0

PLAN
SCALE: 1"=50'

EAST VIEW
NO SCALE

NORTH VIEW
NO SCALE

- NOTES:
- ALL DIMENSIONS TO FACE OF BUILDING, FACE OF CURB OR CENTERLINE
 - ALL EXTERIOR LIGHTING TO BE DIRECTED/REFLECTED AWAY FROM ADJACENT RESIDENTIALLY ZONED PROPERTIES AND PUBLIC ROAD RIGHTS-OF-WAY
 - ALL CONSTRUCTION TRAFFIC TO AVOID EXISTING STORM DRAIN SYSTEM. ANY DAMAGE INCURRED DURING CONSTRUCTION TO BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
 - FOR DETAIL OF CONCRETE PAD AND STEPS SEE ARCHITECTURAL DRAWINGS.
 - SEE ELECTRICAL DRAWINGS FOR DETAILS AND NOTES CONCERNING LIGHT POLE RELOCATION.

NOTE: PLANNING BOARD GRANTED APPROVAL TO THE SCIENCE ADDITION ON OCTOBER 2, 1990.

ADDRESS CHART

PARCEL NO.	STREET ADDRESS
286	6410 KILIMANJARO ROAD

SUBDIVISION NAME OAKLAND MILLS HIGH SCHOOL	SECT./AREA	LOT/PARCEL #
PLAT # OR L/P 21/5	BLOCK # 0	ZONE NT
TAX/ZONE MAP 80	REL. DIST. 80	CHUBB TR 604.01
WATER CODE 800	SEWER CODE 6414400	

GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, WHO AMENDMENTS.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 MISS UTILITY 1-800-257-7777
 CAP TELEPHONE COMPANY 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES 992-2366
 AT&T CABLE LOCATION DIVISION 393-3553
 BALTIMORE GAS & ELECTRIC COMPANY 485-0123
 STATE HIGHWAY ADMINISTRATION 531-5533
 HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY 792-7272
 DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED AUGUST, 1989, BY RORER, LAUBACH & ASSOC., INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL C2-01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK OF ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING, SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.122A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WASTE TREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. CONSTRUCTION OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO DISCHARGE TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION, BY TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED TRENCH WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS.
- THE STORMWATER MANAGEMENT FACILITY WILL BE MAINTAINED BY THE OWNER.
- PREVIOUS SITE DEVELOPMENT PLAN NUMBERS ARE NOT AVAILABLE AT THE DEPARTMENT OF PLANNING AND ZONING.
- ALL BUILDING AND STRUCTURE LOCATIONS TO MEET THE REQUIREMENTS OF THE FINAL DEVELOPMENT PLAN CRITERIA OF FOP, PHASE 102 (PB 20, P. 55).
- VEHICULAR INGRESS & EGRESS TO KILIMANJARO ROAD WILL BE PERMITTED ONLY AT POINTS OF ACCESS APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joseph B. Ball COUNTY HEALTH OFFICER 11-12-90 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.
Chris DIRECTOR 11-13-90 DATE
Frank J. Campbell CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 11/15/90 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Ball DIRECTOR 10/19/90 DATE

CHIEF, BUREAU OF ENGINEERING
William J. Ball 10-21-90 DATE

DATE	NO.	REVISION
3-4-91	2	REVISED WACADAM WALKS, GAS LINES, GRADING & ADDED RIGHTS-OF-WAY
2-1-91	1	REVISED 10" PVC 1 M-2 LOCATION

OWNER/DEVELOPER
 BOARD OF EDUCATION OF HOWARD COUNTY
 10910 ROUTE 100
 ELLICOTT CITY, MARYLAND 21043
 (301) 913-6704

PROJECT
OAKLAND MILLS HIGH SCHOOL
 SCIENCE ADDITION
 A HOWARD COUNTY, MARYLAND PUBLIC SCHOOL

AREA TAX MAP NO. 26 PARCEL 286 ZONED NEW TOWN
 G¹⁰ ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE:
SITE DEVELOPMENT PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

DATE: 10-6-90
 DESIGNED BY: C.J.R.
 DRAWN BY: W.A.D.
 PROJECT NO: 79100
 DATE: SEPTEMBER 4, 1990
 SCALE: AS SHOWN
 DRAWING NO. 1 OF 3

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT
2. INSTALL Silt Fence, Silt Fence, Stone Filter Inlet Protection, Fenced Gravel Storage Area and Chain Link Fence Around Construction Site. (2 DAYS)
3. REMOVE EXISTING WEEDS AS NECESSARY AND CLEAR & GRUB SITE... (3 DAYS)
4. BEGIN GRADING AND BUILDING CONSTRUCTION.
5. INSTALL UTILITIES AND RAISE EXISTING INLETS AS SHOWN ON PLANS... (2 WEEKS)
6. INSTALL MACADAM WALK AND COMPLETE BUILDING CONSTRUCTION.
7. STABILIZE DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. SODDING-IMPASSABLE-BERMING-SODDING.
8. UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE ALL AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES.

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

Cathleen Conley Young 10/9/90
DEVELOPER DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Arthur E. Mueggel 10-8-90
ENGINEER DATE

REVIEWED FOR **HOWARD** S.C.D.
AND MEET TECHNICAL REQUIREMENTS

Joan M. Hahn 10/16/90
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Cliff W. Hilly 10/16/90
HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT

Joan Boyle 11-7-90
HEALTH DEPARTMENT DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

W. H. ... 11.13.90
DIRECTOR DATE

Frank J. ... 11/15/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James ... 10/31/90
DIRECTOR DATE

McCombs & ... 10-31-90
CHIEF, BUREAU OF ENGINEERING DATE

3-4-91	2	REVISED MACADAM WALKS, GAS LINE, GRADING & ADDED RIGGERS TO STAIRS
2-4-91	1	REVISED 10" PVC E M-E LOCATION

DATE	NO	REVISION
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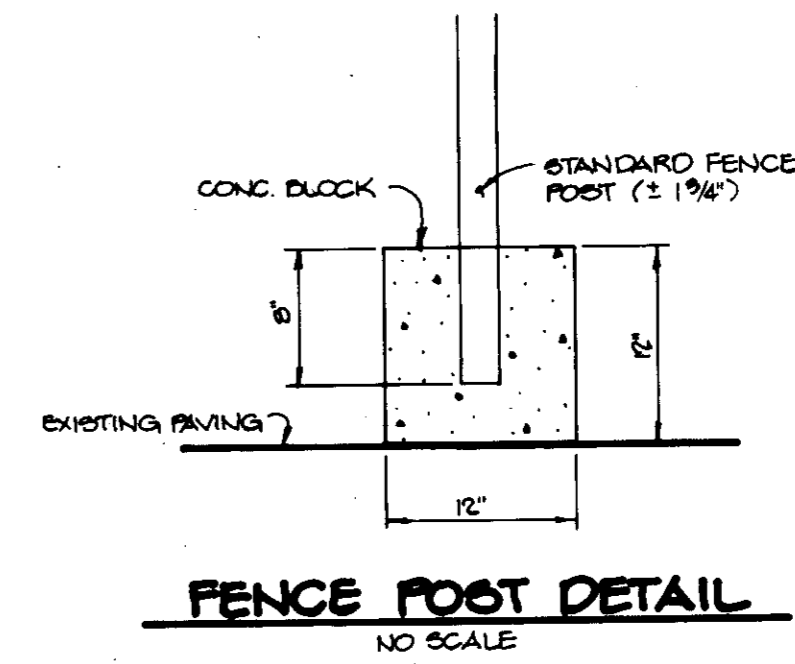
OWNER, DEVELOPER
BOARD OF EDUCATION OF HOWARD COUNTY
10310 ROUTE 100
ELLICOTT CITY, MARYLAND 21045
(301) 213-6704

PROJECT **OAKLAND MILLS HIGH SCHOOL**
SCIENCE ADDITION
A HOWARD COUNTY, MARYLAND PUBLIC SCHOOL
AREA TAX MAP NO. 30 PART 111 AND 112 (REV. 10/90)
ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

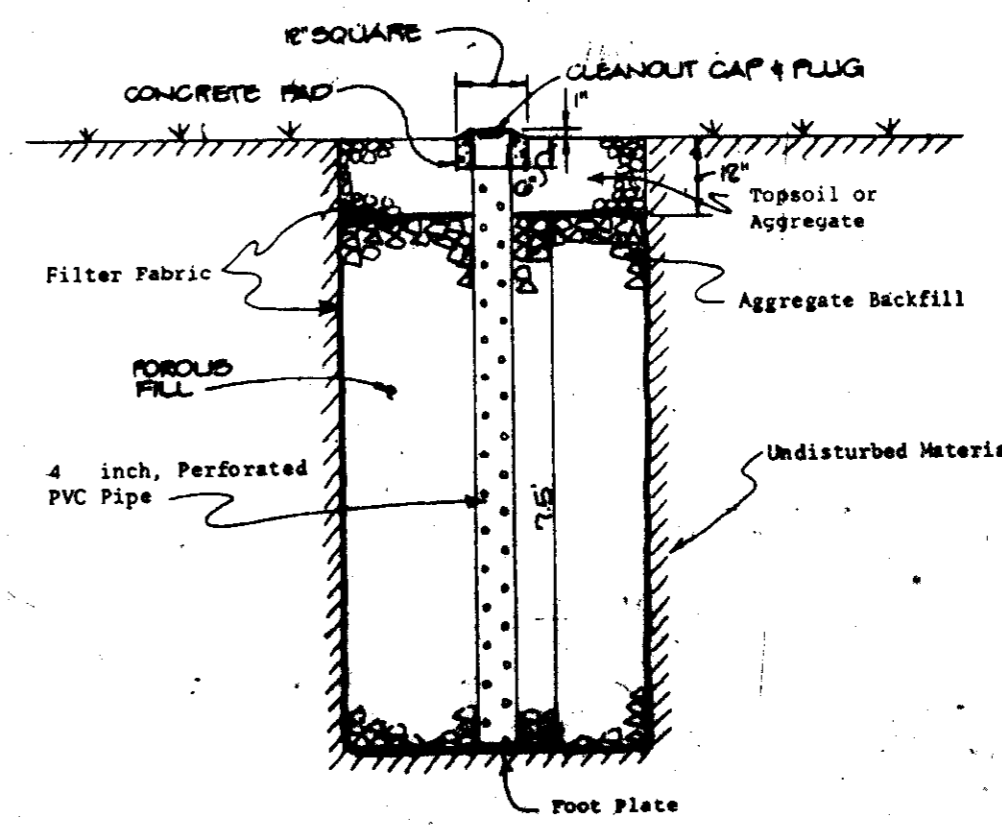
TITLE
GRADING AND SEDIMENT CONTROL PLAN

RIEMER MUEGGER & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
3105 North Ridge Road Ellicott City, Maryland 21043
301-461-2690 FAX: 301-750-3176

10-8-90 DATE	8-71-88c, FOP PHASE 102
<i>Arthur E. Mueggel</i>	DESIGNED BY GJR
<i>Arthur E. Mueggel</i>	DRAWN BY M.A.P.
<i>Arthur E. Mueggel</i>	PROJECT NO 75192
<i>Arthur E. Mueggel</i>	DATE SEPTEMBER 4, 1990
<i>Arthur E. Mueggel</i>	SCALE AS SHOWN
<i>Arthur E. Mueggel</i>	DRAWING NO. 2 OF 3



FENCE POST DETAIL
NO SCALE



OBSERVATION WELL DETAIL
NO SCALE

PLAN
SCALE 1"=50'

3.3.6. Construction Specifications

3.3.6.1. Timing
An infiltration trench shall not be constructed or placed in service until all of the contributing drainage areas has been stabilized and approved by the responsible inspector.

3.3.6.2. Trench Preparation
Excavate the trench to the design dimensions. Unexcavated materials shall be piled away from the trench sides to enhance trench wall stability. Large tree roots must be trimmed flush with the trench sides in order to prevent fabric puncturing or tearing during subsequent installation procedure. The side walls of the trench shall be roughened where observed and sealed by heavy equipment.

3.3.6.3. Fabric Layout
The filter fabric roll must be cut to the proper width prior to installation. The cut width must include sufficient material to conform to trench perimeter irregularities and for a 4-inch minimum top overlap. Place the fabric roll over the trench and unroll a sufficient length to allow placement of the fabric into the trench. Stones or other anchoring objects should be placed on the fabric at the edge of the trench to keep the lined trench open during windy periods. When overlaps are required between rolls, the upstream roll should lap a minimum of 2 feet over the downstream roll in order to provide a shingle effect. The overlap ensures fabric continuity or to ensure that the fabric conforms to the excavation surface during aggregate placement and compaction.

3.3.6.4. Stone Aggregate Placement and Compaction
The stone aggregate should be placed in lifts and compacted using plate compactors. As a rule of thumb, a minimum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping, fabric clogging, and settlement problems.

3.3.6.5. Overlapping and Covering
Following the stone aggregate placement, the filter fabric shall be folded over the stone aggregate to form a 6" minimum longitudinal lap. The desired fill soil or stone aggregate shall be placed over the top of sufficient intervals to maintain the lap during subsequent backfilling.

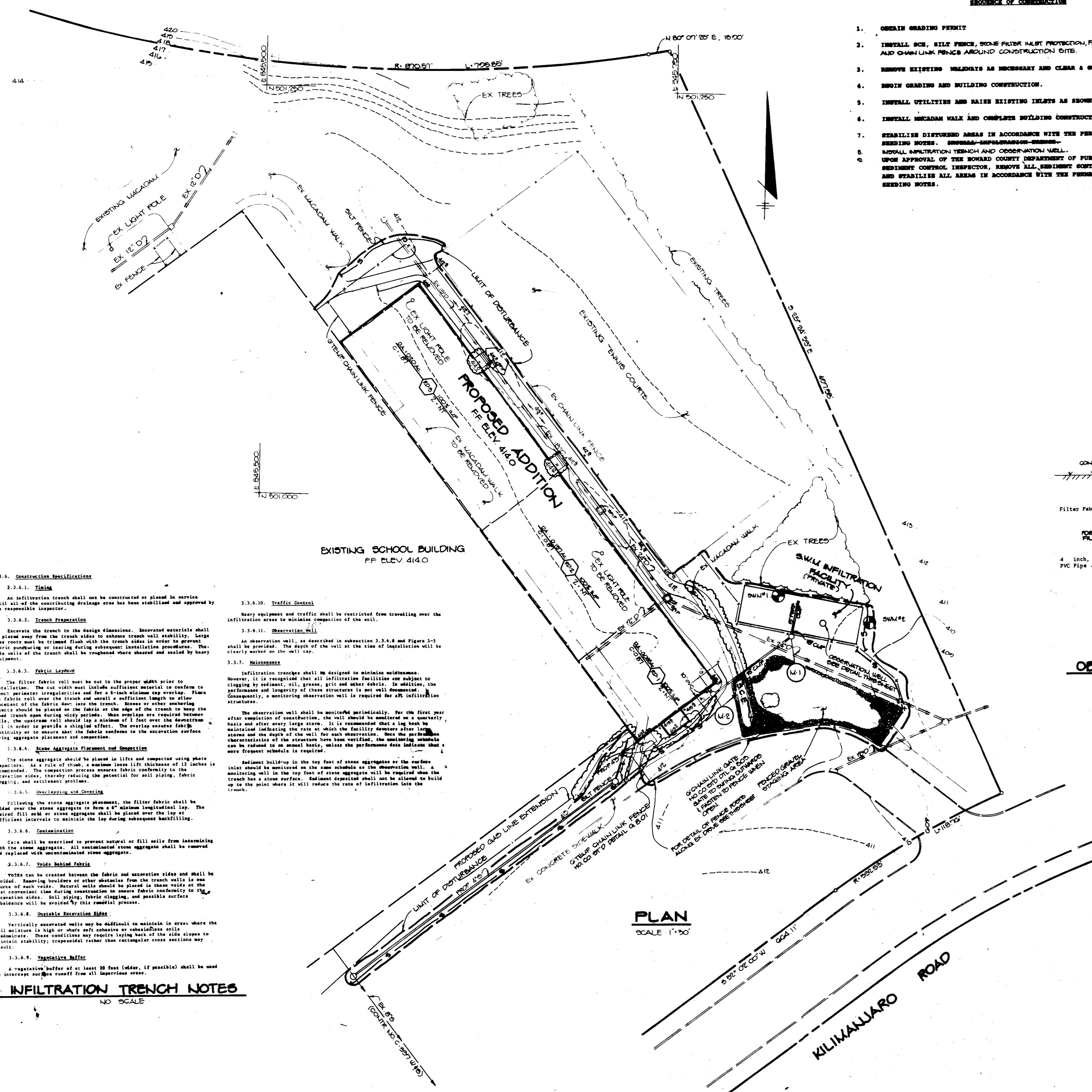
3.3.6.6. Contamination
Care shall be exercised to prevent natural or fill soils from intermingling with the stone aggregate. All contaminated stone aggregate shall be removed and replaced with uncontaminated stone aggregate.

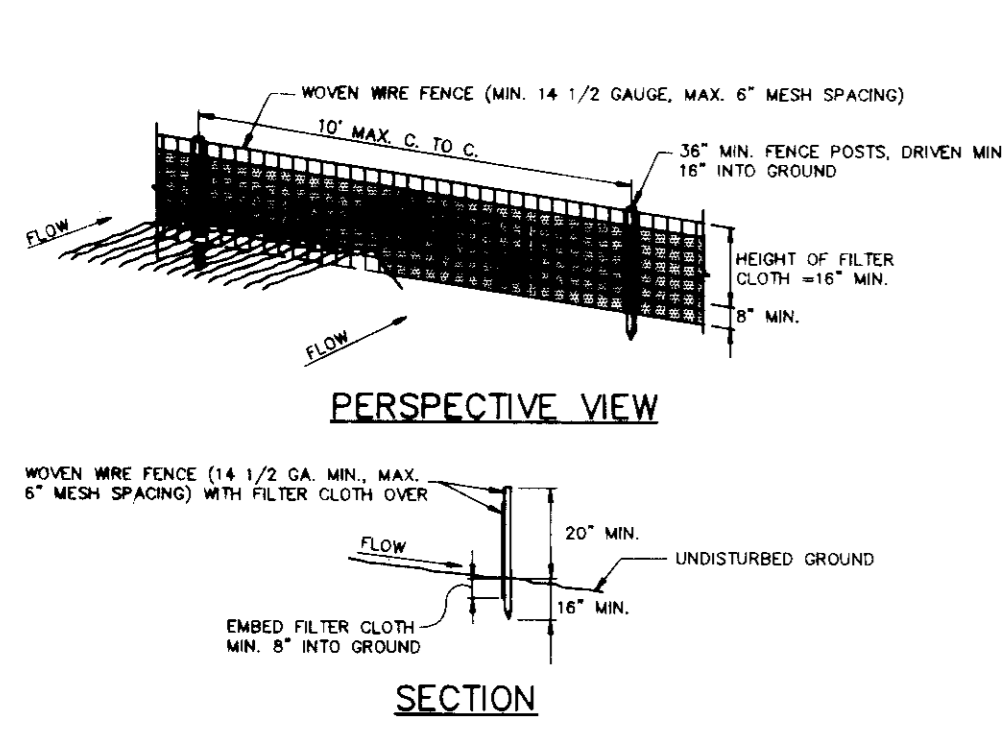
3.3.6.7. Voeds Behind Fabric
Voeds can be created between the fabric and excavation sides and shall be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Manual wells should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this remedial process.

3.3.6.8. Unstable Excavation Sides
Vertically excavated walls may be difficult to maintain in areas where the soil moisture is high or where soft cohesive or cohesionless soils predominate. These conditions may require laying back of the side slopes to maintain stability; trapezoidal rather than rectangular cross sections may result.

3.3.6.9. Vegetative Buffer
A vegetative buffer of at least 20 feet (wider, if possible) shall be used to intercept surface runoff from all impervious areas.

INFILTRATION TRENCH NOTES
NO SCALE

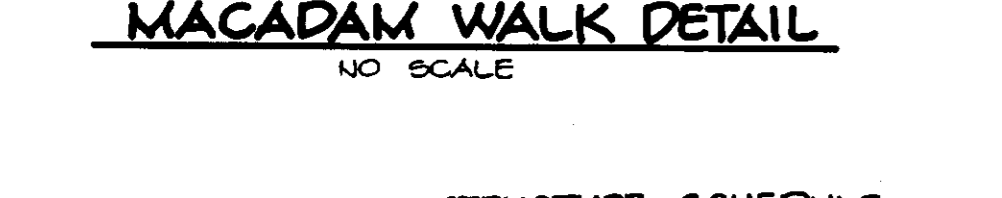
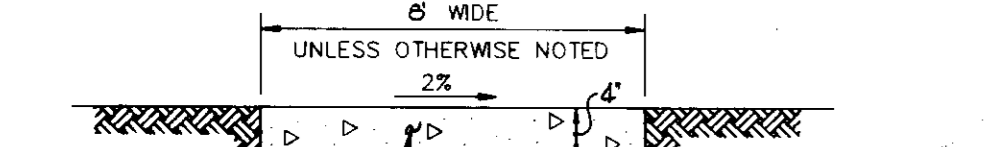
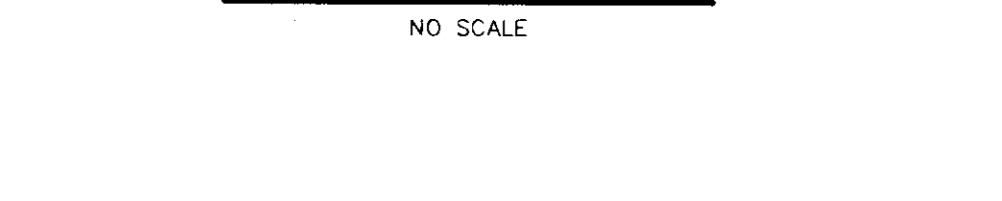




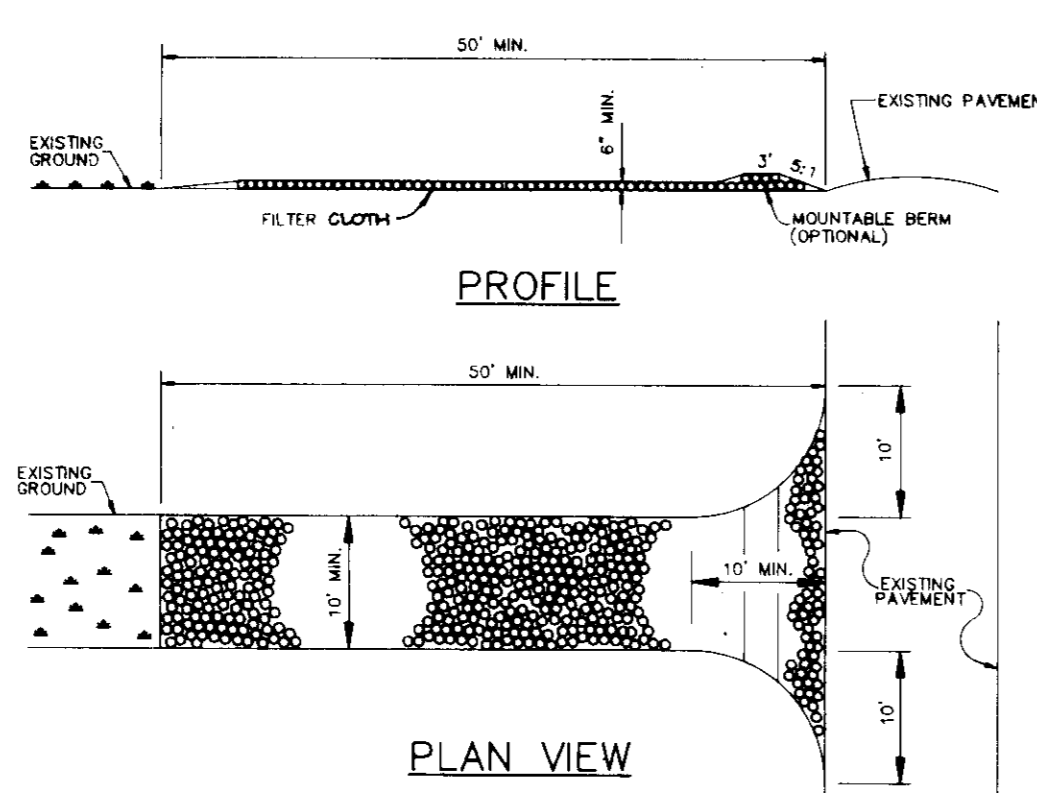
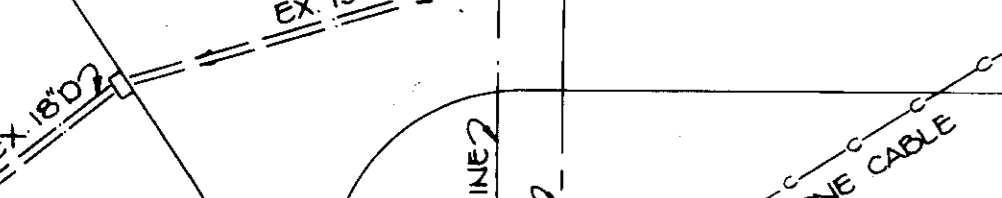
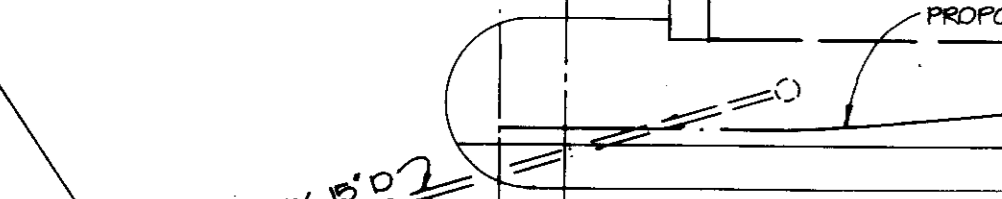
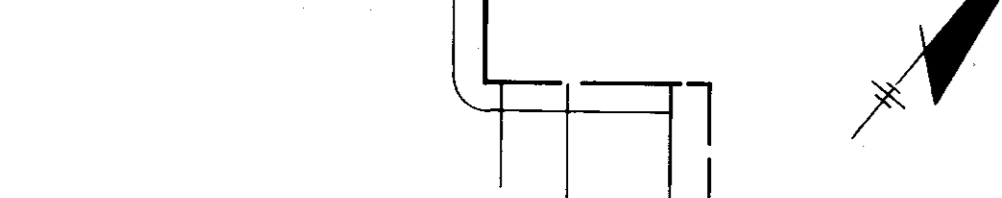
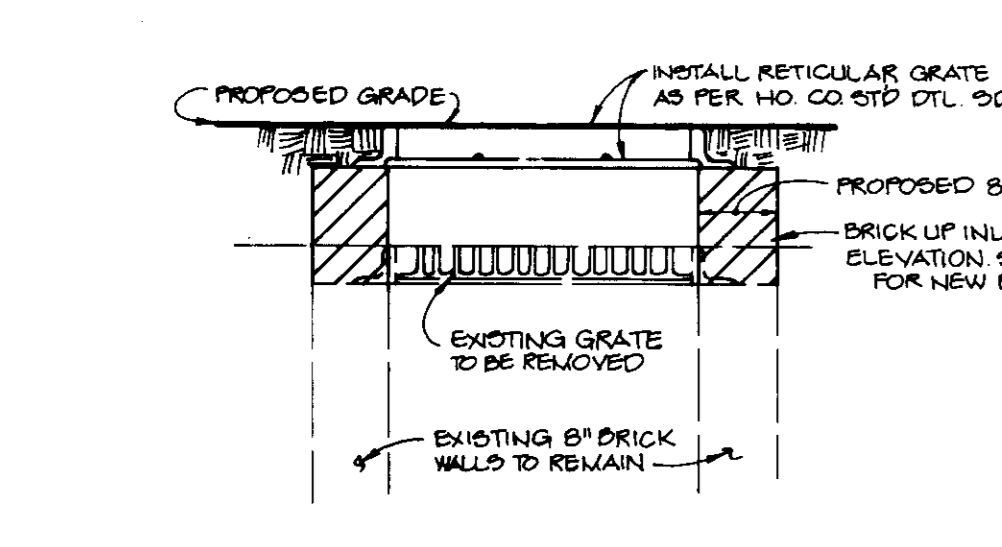
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- Woven wire fence to be fastened securely to fence posts with wire ties or staples every 24" at top and mid section.
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
- When two sections of filter cloth abut each other they shall be overlapped by six inches and folded.
- Maintenance shall be performed as needed and material removed when "bulging" develops in the silt fence.

POSTS: Steel, either 1 or 2" type or 2" hardwood.
 FENCE: Woven wire, 14 Ga. 4" mesh opening.
 FILTER CLOTH: Filter X, Mowt 100X, Stabilizer T1400 or approved equal.
 PREFABRICATED UNIT: Genloc, Excellence or approved wood.

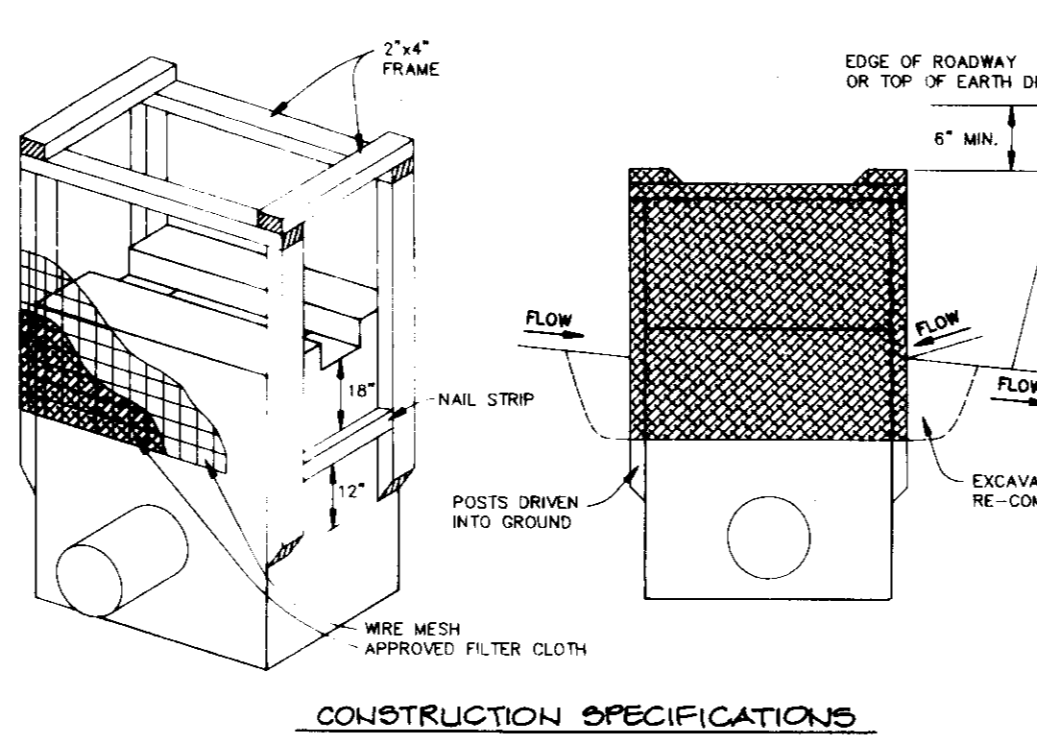
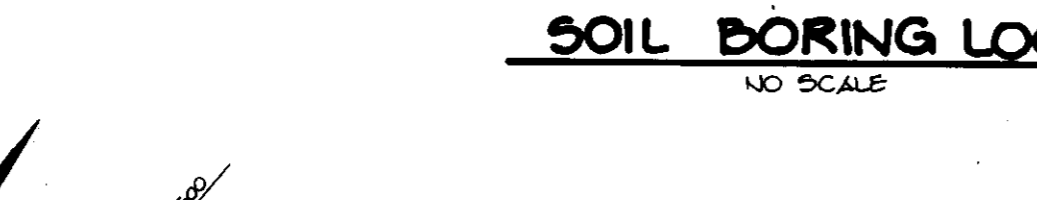
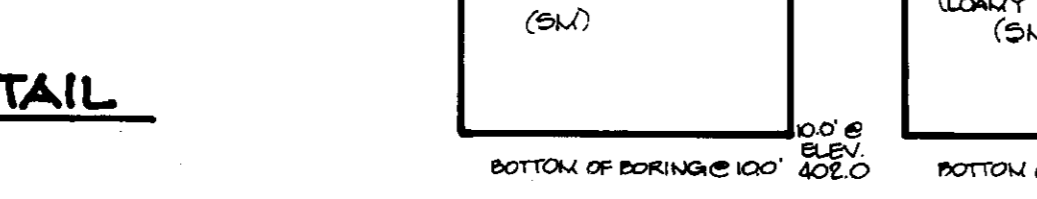
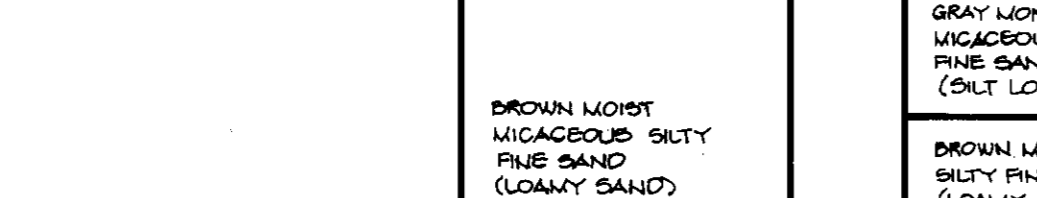
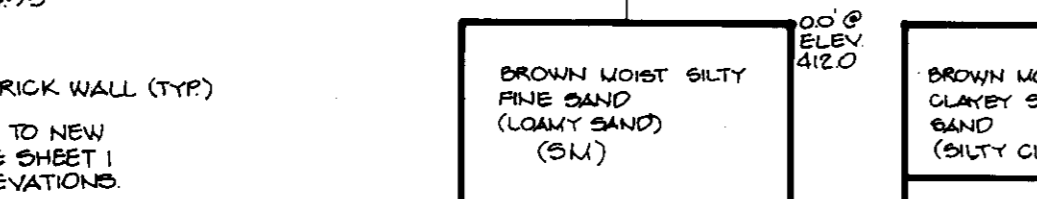
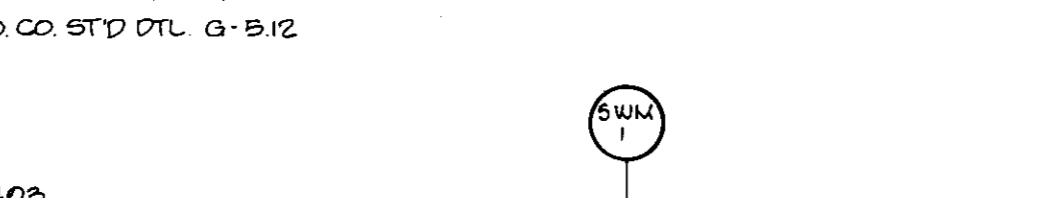
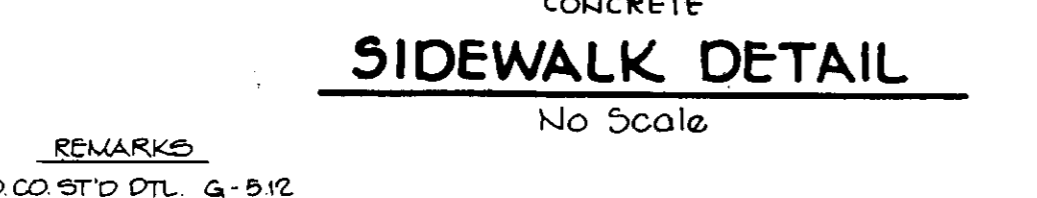
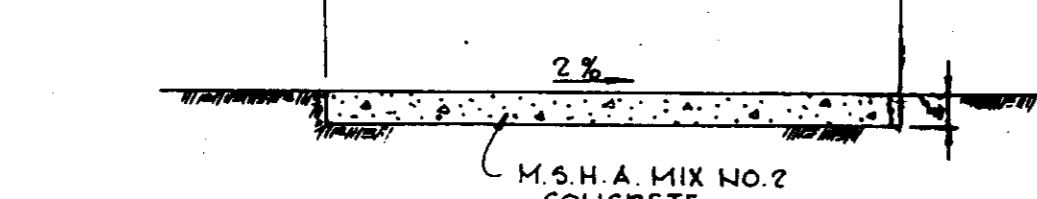
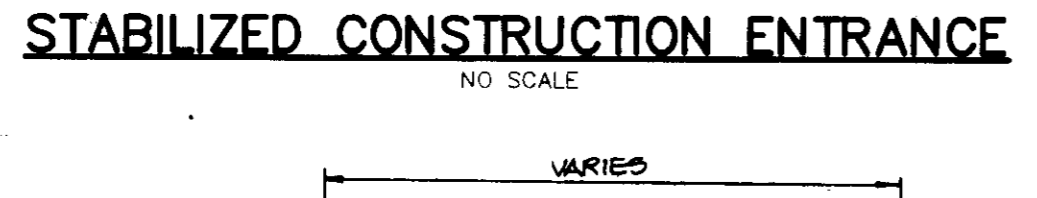
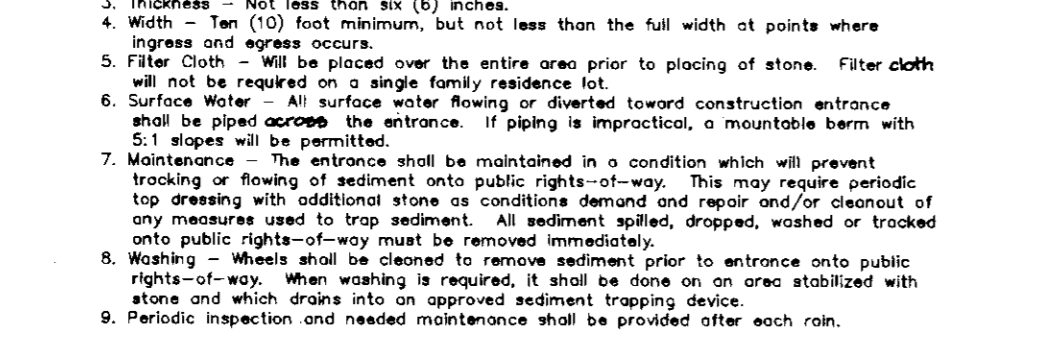


NO.	TYPE	STRUCTURE	SCHEDULE	R/W ELEV.	INV. IN.	INV. OUT.	REMARKS
W-1	STD 4" MANHOLE	411 B	403.23	403.13	HO CO STD DTL G-512		
W-2	STD 4" MANHOLE	413 C	404.15	403.73	HO CO STD DTL G-512		



CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single roadway lot where a 30 foot minimum would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the full width of points where ingress and egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter cloth will not be required on a single family residence lot.
- Surface Water - All surface water flowing or directed toward construction entrance shall be placed across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each run.

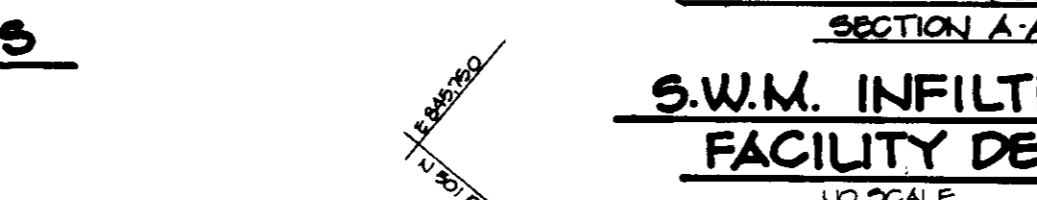
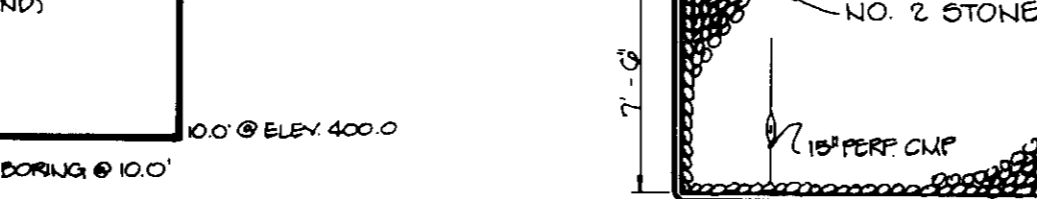
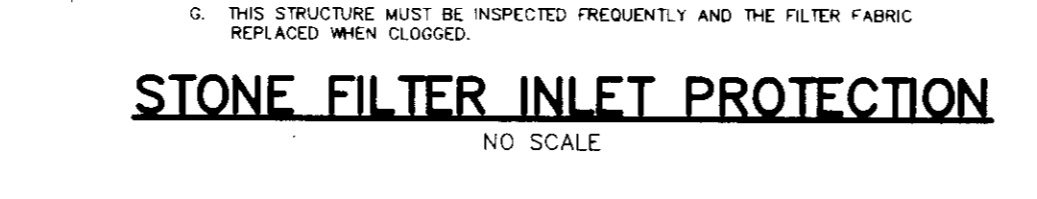
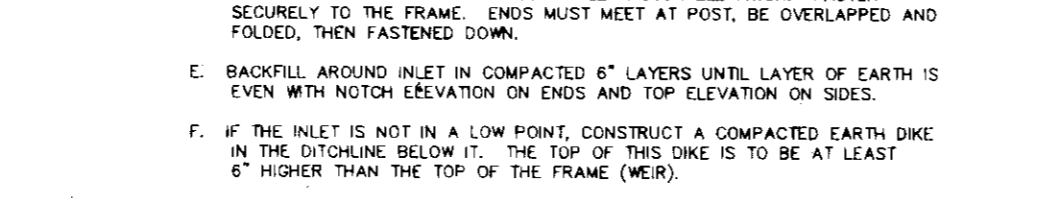
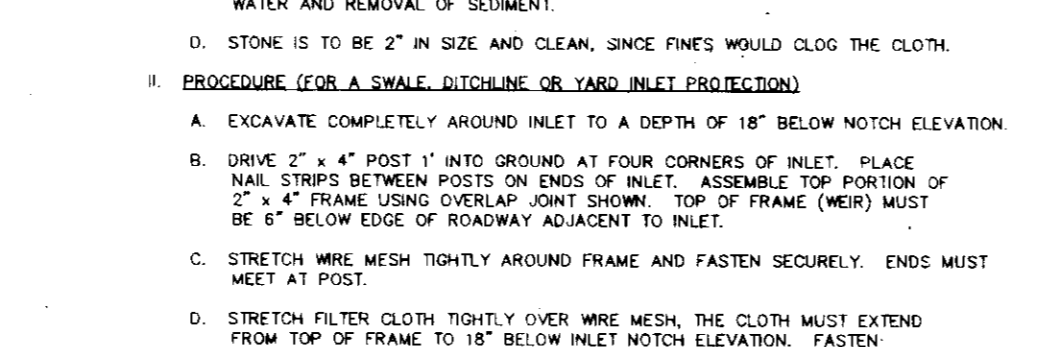


CONSTRUCTION SPECIFICATIONS

- WOODEN FRAME IS TO BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER
- WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC, WITH WATER FULLY IMPROVED AGAINST IT
- FILTER CLOTH MUST BE OF A TYPE APPROVED FOR THIS PURPOSE, RESISTANT TO SUNLIGHT WITH SEIVE SIZE, EGS. 40-80, TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT
- STONE IS TO BE 2" IN SIZE AND CLEAN, SINCE FINES WOULD CLOG THE CLOTH

PROCEDURE FOR A SHALE, SLOTTING OR YARD INLET PROTECTION

- EXCAVATE COMPLETELY AROUND INLET TO A DEPTH OF 18" BELOW NOTCH ELEVATION
- DRIVE 2" x 4" POST 1' INTO GROUND AT FOUR CORNERS OF INLET. PLACE NAIL STRIPS BETWEEN POSTS ON ENDS OF INLET. ASSEMBLE TOP PORTION OF 2" x 4" FRAME USING OVERLAP JOINT SHOWN. TOP OF FRAME (WEIR) MUST BE 6" BELOW EDGE OF ROADWAY ADJACENT TO INLET.
- STRETCH WIRE MESH TIGHTLY AROUND FRAME AND FASTEN SECURELY. ENDS MUST MEET AT POST.
- STRETCH FILTER CLOTH TIGHTLY OVER WIRE MESH. THE CLOTH MUST EXTEND FROM TOP OF FRAME TO 18" BELOW MEET NOTCH ELEVATION. FASTEN SECURELY TO THE FRAME. ENDS MUST MEET AT POST, BE OVERLAPPED AND FOLDED, THEN FASTENED DOWN.
- BACKFILL AROUND INLET IN COMPACTED 6" LAYERS UNTIL LAYER OF EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
- IF THE INLET IS NOT IN A LOW POINT, CONSTRUCT A COMPACTED EARTH DIKE IN THE DITCHLINE BELOW IT. THE TOP OF THIS DIKE IS TO BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME (WEIR).
- THIS STRUCTURE MUST BE INSPECTED FREQUENTLY AND THE FILTER FABRIC REPLACED WHEN CLOGGED.



SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (992-2437).
- All vegetative and structural practices are to be installed in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around the perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area of Submission	0.04	acres
Area Disturbed	0.02	acres
Area to be roofed or paved	0.00	acres
Area to be vegetatively stabilized	0.02	acres
Total Cut	500	cu.yds.
Total Fill	100	cu.yds.
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control Inspector.
- Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
- Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.
- Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 800 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureamform fertilizer (9 lbs. per 1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. per acre Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:

- 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

BY THE DEVELOPER:

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Cathleen Conley Young 10/8/90
 DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Arthur E. Muegge 10/8/90
 ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

James M. Helm 10/16/90
 U.S. SOIL CONSERVATION SERVICE DATE

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Shirley R. Helm 10/16/90
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

Jayman Goodwin 11-2-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

W. R. ... 11.13.90
 DIRECTOR DATE

... 10/6/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

... 10/31/90
 DIRECTOR DATE

... 10-31-90
 CHIEF, BUREAU OF ENGINEERING DATE

3-4-91 2 REVISED GAS LINE IN UTILITY LOCATION PLAN
 2-1-91 1 REVISE STORM DRAIN PROFILE & STRUCTURE SCHEDULE
 DATE NO. REVISION

OWNER / DEVELOPER
 BOARD OF EDUCATION OF HOWARD COUNTY
 10010 ROUTE 108
 ELLICOTT CITY, MARYLAND 21043
 (301) 513-6704

PROJECT
OAKLAND MILLS HIGH SCHOOL
 SCIENCE ADDITION
 A HOWARD COUNTY, MARYLAND PUBLIC SCHOOL

AREA TAX MAP NO. 50 PARCEL 555 ZONED NEW TOWN
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
DETAIL SHEET

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 3105 North Ridge Road Ellicott City, Maryland 21043
 301-461-2690 FAX: 301-750-3176

10-8-90 DATE
 F-71-28c, PDF PHASE 102

DESIGNED BY: G.J.R.
 DRAWN BY: M.A.D.
 PROJECT NO: 73100
 DATE: SEPTEMBER 4, 1990
 SCALE: AS SHOWN
 DRAWING NO. 3 OF 3

SDP-01-34