

STATION	TO	ELEVATION
MH 103	MH 104	453.22
MH 103 RT	MH 104	456.04
0+80 RT	MH 104	463.52
MH 104	MH 105	470.84
0+45 LT	MH 105	462.40
0+92 LT	MH 105	462.60
1+62 LT	MH 105	463.15
MH 105	MH 106	463.21
MH 106	MH 107	463.60
0+69 LT	MH 107	465.62
1+22 LT	MH 107	465.46
MH 107	MH 108	461.35
0+88 RT	MH 108	462.26
1+09 LT	MH 108	462.14
1+52 LT	MH 108	462.40
MH 108	MH 109	462.71
MH 109	MH 110	462.86
MH 110	MH 111	463.18
MH 111	MH 112	463.60
0+85 RT	MH 112	470.62
1+04 LT	MH 112	466.37
MH 112	MH 113	468.45
1+24 LT	MH 113	472.09
MH 113	MH 114	474.80
MH 114	MH 115	472.51
MH 115	MH 116	462.73
0+70 LT	MH 116	462.55
0+85 RT	MH 116	462.51
1+25 LT	MH 116	462.51
1+48 RT	MH 116	463.10
2+02 RT	MH 116	463.49
2+09 LT	MH 116	463.67
MH 116	MH 117	463.44
MH 117	MH 118	463.81

ENGINEERS CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: *Walter P. Rinder* DATE: 1/13/87

DEVELOPERS/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.
 Signature: *Donald R. Kowalski* DATE: 1/14/87

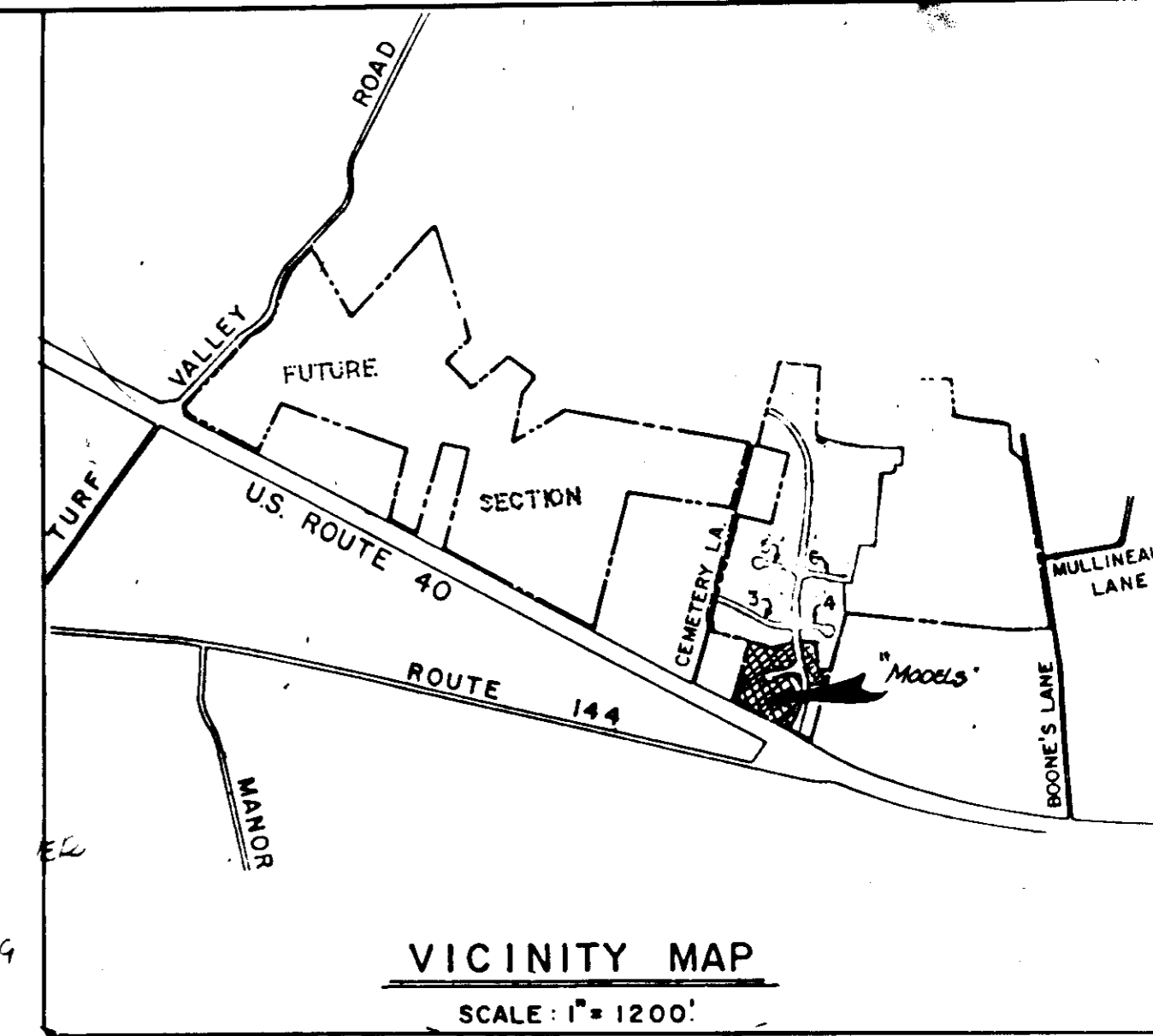
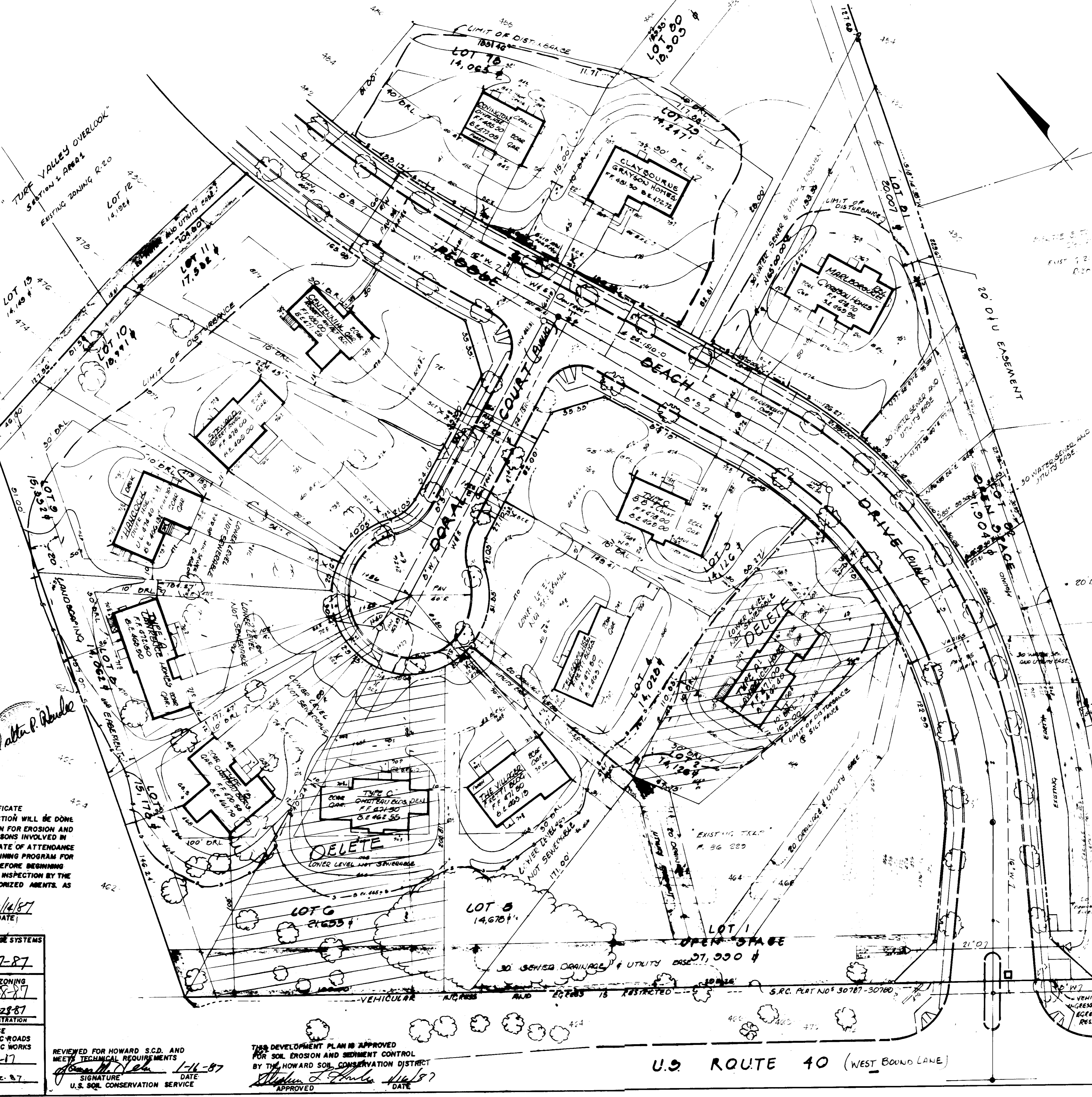
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT.
 Signature: *John P. ...* DATE: 1-27-87

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Signature: *...* DATE: 1-28-87

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: *...* DATE: 1-28-87

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 Signature: *...* DATE: 1-14-87

APPROVED
 Signature: *...* DATE: 1-22-87



- GENERAL NOTES**
- 1) STORM WATER MANAGEMENT UNDER F.87-229
 - 2) THE LAND INCLUDED IS ZONED R-20
 - 3) COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC SURVEY
 - 4) THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP
 - 5) THE TOTAL AREA ON THIS PLAN IS 165,000 SQ. FT. (3.78 AC.)
 - 6) ALL ROADS ARE PUBLIC AND EXISTING
 - 7) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
 - 8) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 11
 - 9) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.

JACQUELIN O'DONNELL
 135-972
 EXISTING ZONING R-20

LOT NUMBER	STREET ADDRESS
3	# 3086 PEBBLE BEACH DRIVE
4	# 3107 DORAL COURT
5	# 3111 " "
7	# 3112 " "
8	# 3114 " "
9	# 3110 " "
10	# 3106 " "
11	# 3102 " "
78	# 3087 PEBBLE BEACH DRIVE
79	# 3091 " "
81	# 3088 " "

J. NELSON SULLIVAN
 368-268
 EXISTING ZONING R-20

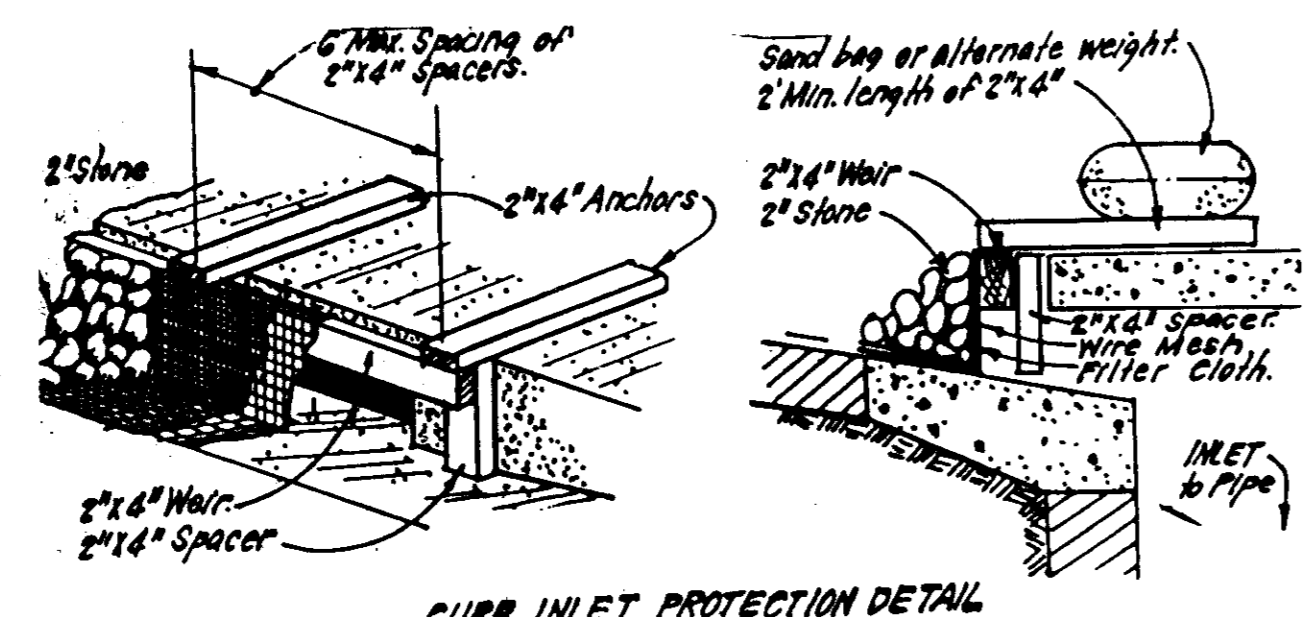
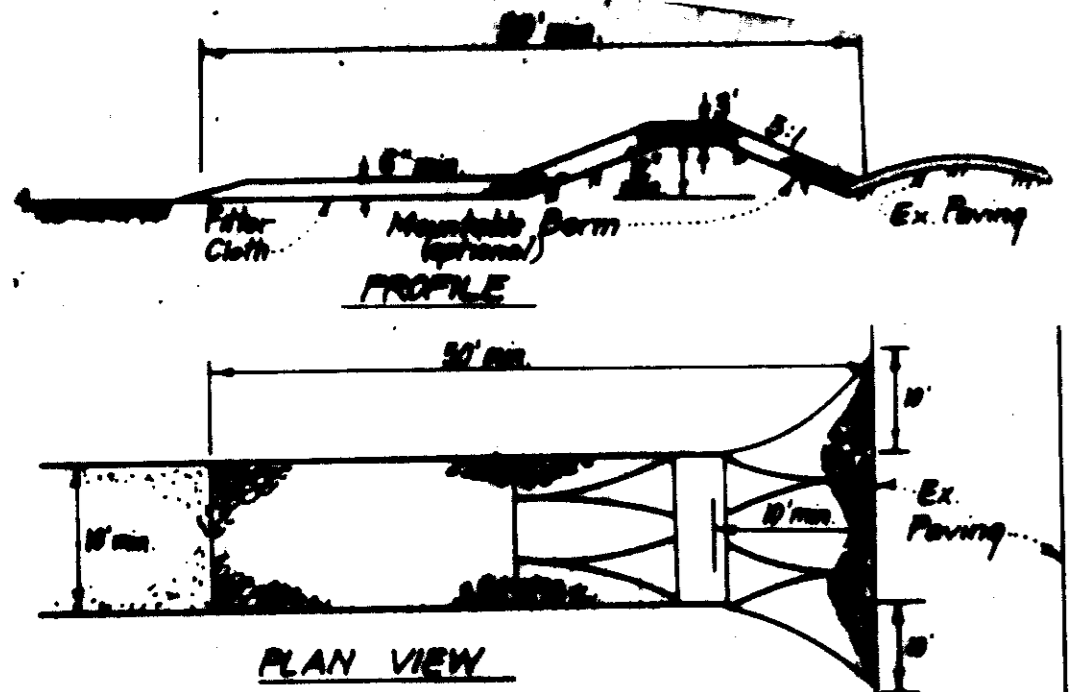
APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 1-8-87

SUBDIVISION NAME TURF VALLEY OVERLOOK		SECT./AREA 1/1	LOT/PLACEL # 1/1
PLAT # 7035, 7036	BLOCK # 24	ZONE R-20	DATE 1/10/87
WATER CODE H0-7		SEWER CODE SPP2000	

LAND DESIGN ASSOCIATES
 718 HIGHWOOD DRIVE
 BALTIMORE, MD 21212

DESIGNED RLW	SITE DEVELOPMENT & SEDIMENT CONTROL PLAN TURF VALLEY OVERLOOK SECTION ONE AREA ONE LOTS 3-9, 7-11, 78, 79 & 81 SECOND ELECTION DISTRICT HOWARD COUNTY, MD.	SCALE 1" = 30'
DRAWN RLW		DRAWING 1 OF 2
CHECKED RLW		JOB NO.
DATE 1/10/87		OWNER AND DEVELOPER: PEDDICO PROPERTY CORP. 1076 BAYVIEW BLVD. BALTIMORE, MD 21204

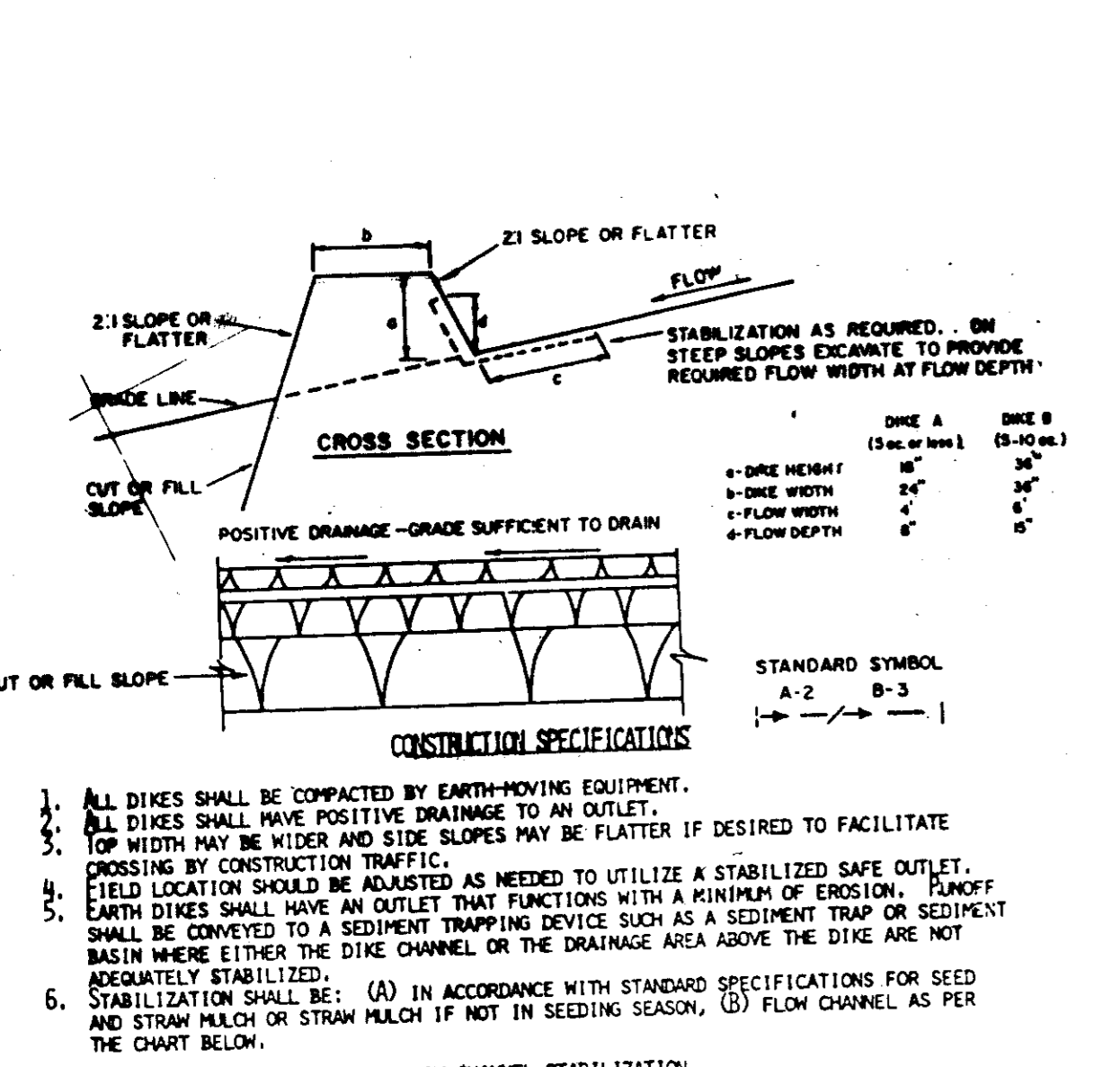
SDP-87-85



PROCEDURE: CURB INLET PROTECTION
 1. Attach a continuous piece of wire mesh (30 min. width by throat length plus 4") to the 2"x4" curb (measuring throat length plus 2") as shown on site drawing.
 2. Place a piece of approved filter cloth (40-65 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2"x4" curb.
 3. Securely nail the 2"x4" curb to 3" long vertical spacers to be located between the curb and inlet face (max. 6" apart).
 4. Place the assembly against the inlet throat and nail (min. 2" lengths of 2"x4" curb) to the top of the curb in a manner as to prevent water from entering the inlet under or around the filter cloth.
 5. The assembly shall be placed so that the end spacers are a min. 1" beyond both ends of throat opening.
 6. From the wire mesh and filter cloth to the concrete curb and against the face of curb on both sides of the inlet. Place 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 8. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow to inlet.

- CONSTRUCTION SPECIFICATIONS:**
- Stone use - Use 2" stone, or rounded or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length will apply).
 - Thickness - Not less than 6" inches.
 - Width - Ten (10) foot minimum, but not less than the full width of points where ingress or egress occurs.
 - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on sandy, fine-grained soils.
 - Surface Water - All surface water flowing or directed toward construction entrances shall be passed across the entrance. If piping is impractical, a manhole with 3" pipes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment into public rights-of-way. This may require periodic top dressing with additional stone by conditions of erosion and repair and/or clearing of any material found to trap sediment. All equipment applied, dragged, washed or tracked onto public rights-of-way must be removed immediately.
 - Washing - Washing shall be obtained to remove sediment prior to ingress into 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 rain.

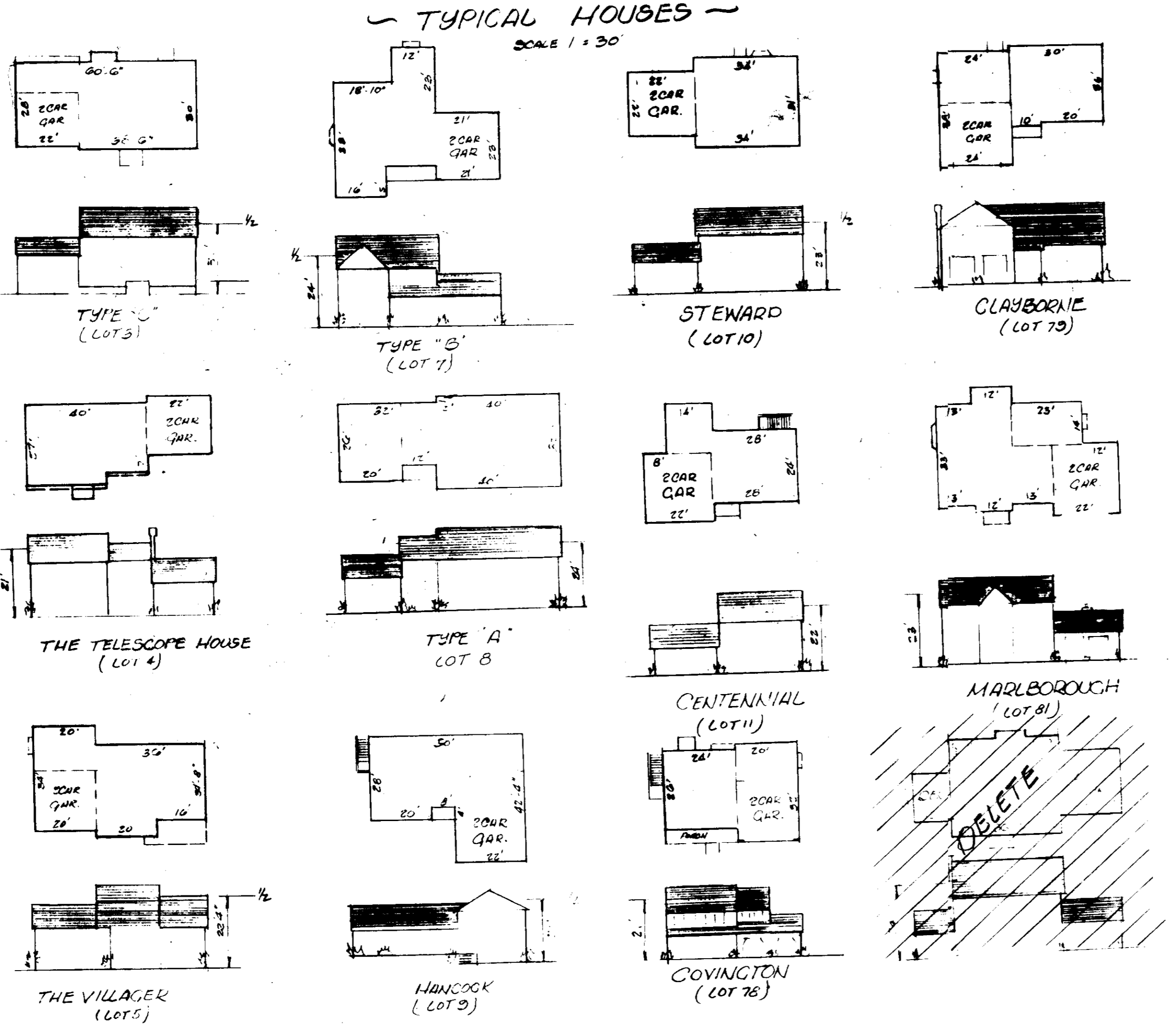
STABILIZED CONSTRUCTION ENTRANCE (SCE)



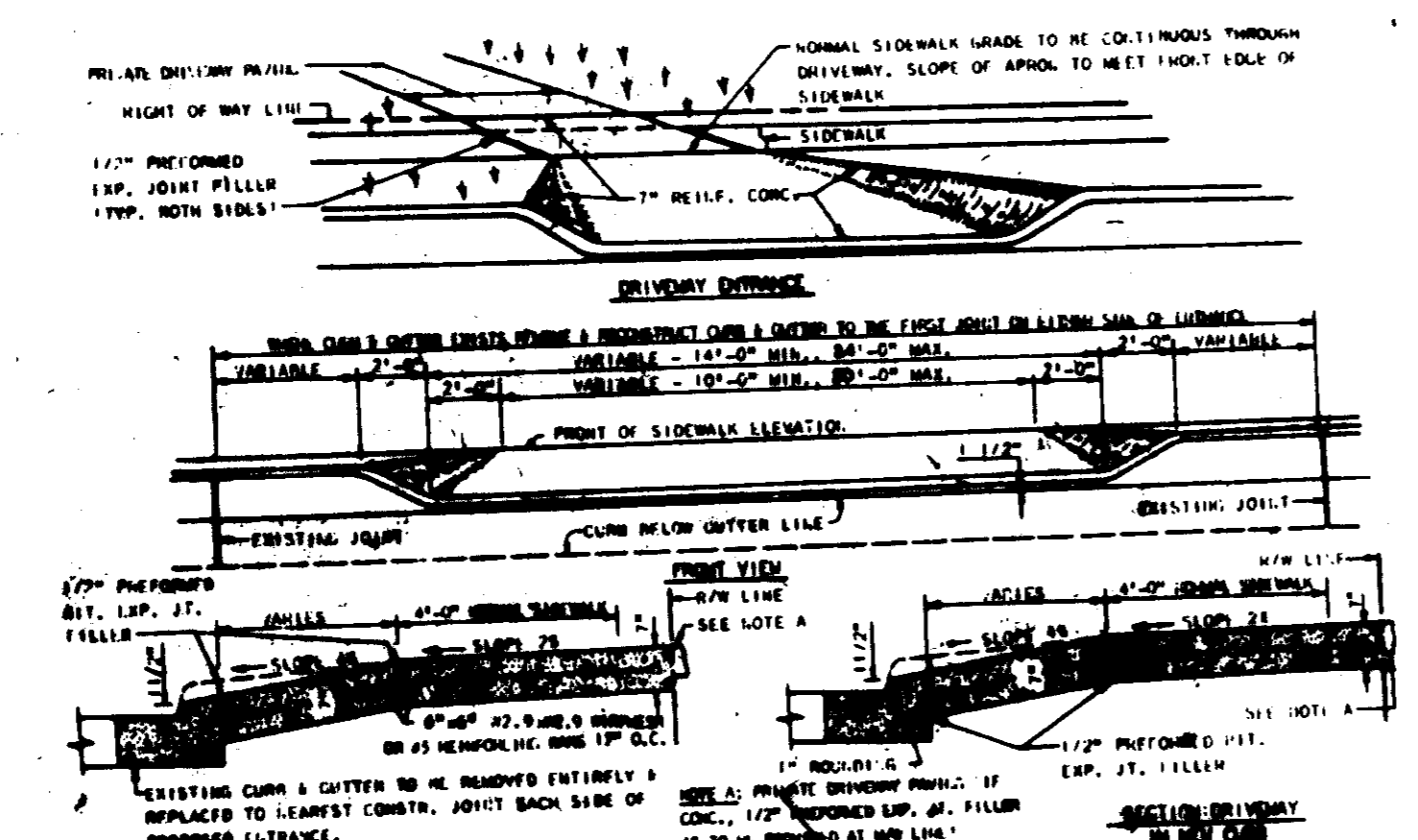
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED USING JUTE, OR EXCELSTOR; SOD; 2" STONE	SEED USING JUTE, OR EXCELSTOR; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

EARTH DIKE (E.D.)

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT.
 1-27-87
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 1-28-87
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORAGE DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 1-31-87
 APPROVED FOR HOWARD S.C.D. AND
 MEETS TECHNICAL REQUIREMENTS
 1-31-87
 U.S. SOIL CONSERVATION SERVICE



APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 1-8-87
 Ms. J. M.



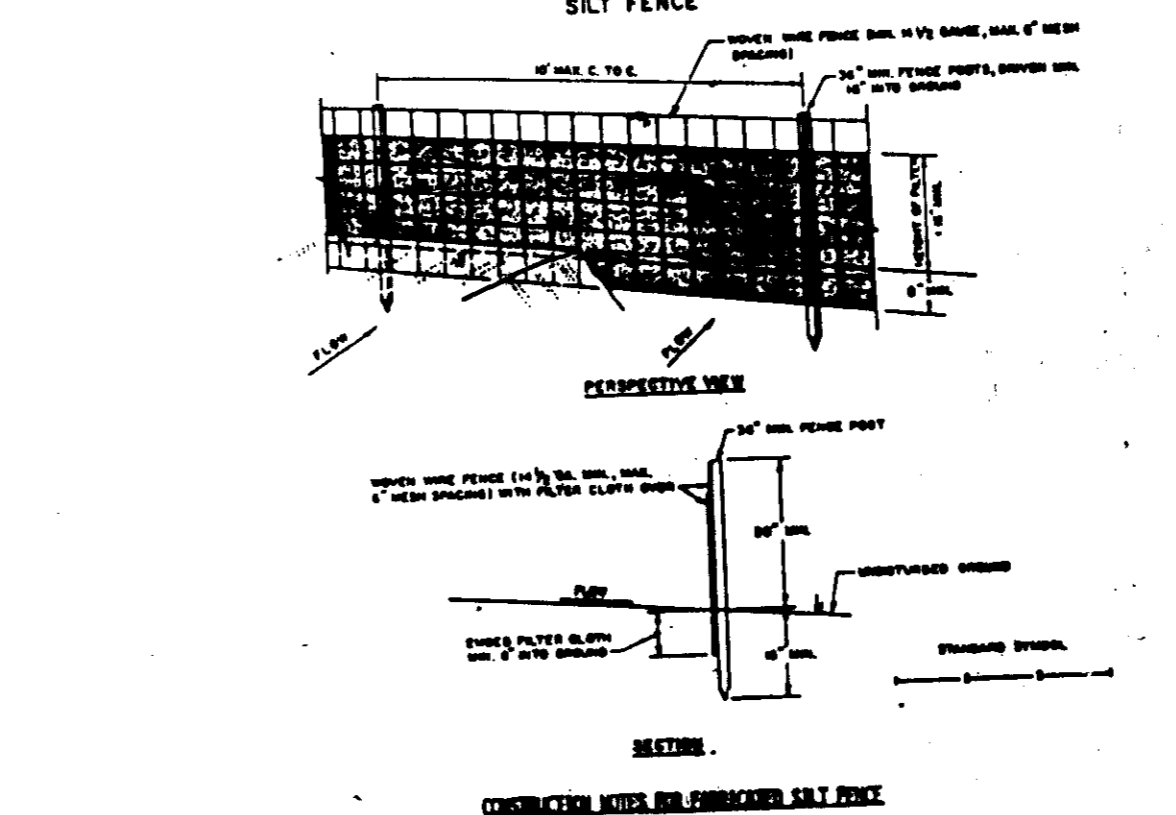
HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS
 1-31-87
 RESIDENTIAL DRIVEWAY ENTRANCE
 CLOSED SECTION WITH STANDARD 7" COMBINATION CURB
 AND GUTTER AND SIDEWALK SET BACK FROM CURB
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT CONTROL
 BY THE HOWARD SOIL CONSERVATION DISTRICT
 DATE 1-31-87

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (892-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT 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 all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their 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 EROSION AND SEDIMENT 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 Site 3.78 Acres
 Area Disturbed 2.88 Acres
 Area to be roofed or paved 0.67 Acres
 Area to be vegetatively stabilized 2.26 Acres
 Total Cut 2.62 Cu. yds.
 Total Fill 2.62 Cu. yds.
 Offsite waste/borrow area location N.A.
- Any sediment control practice which is disturbed by grading activities or 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 DPM sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- If houses are to be constructed on an "as-built" basis, at random, Single Lot Sediment Control as shown below shall be implemented. N/A
- All pipes to be blocked at the end of each day (see detail below).
- The total amount of stone-bags/dikes/silt fence equals 110 L.F.

CONSTRUCTION SEQUENCE:

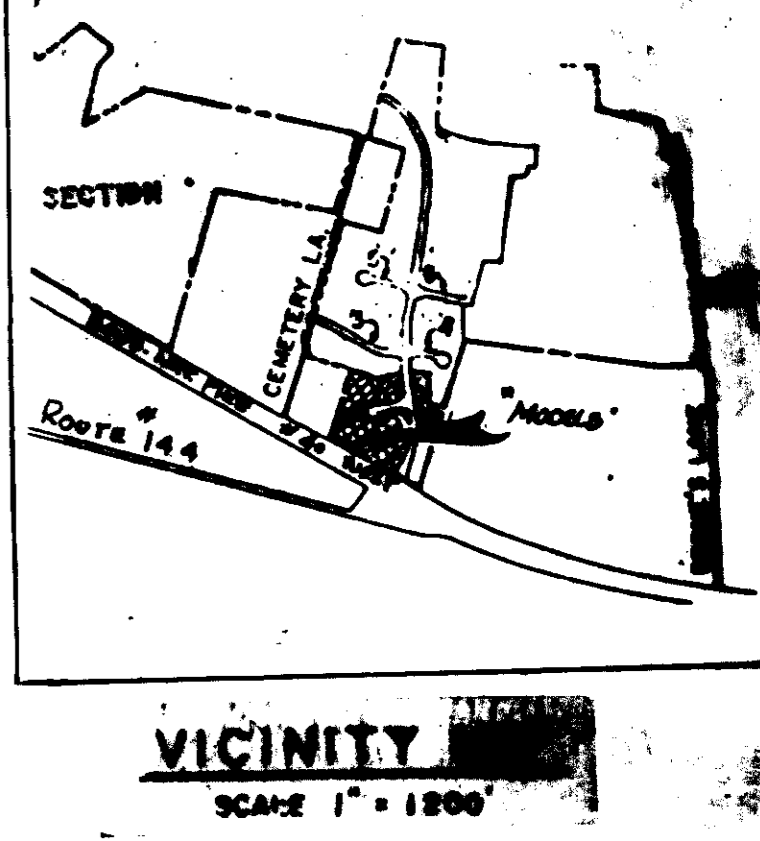
- Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.
- Excavate for foundations and Rough Grade / temporarily stabilize.
- Construct Structures, Sidewalks and Driveways.
- Final Grade and stabilize in accordance with Sds. & Specs.
- Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.



- Stone bags shall be installed vertically to fence faces with one tier on staples.
- Filter cloth to be fastened securely to every edge of the bag and section.
- When the distance of filter cloth from each edge of the bag is equal to the bag height and filter cloth is secured to the filter cloth.
- Staples shall be positioned as shown on the filter cloth.

DEVELOPER/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS. AS DEEMED NECESSARY.
 DATE 1/28/87
 SIGNATURE OF DEVELOPER/BUILDER

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE 1/28/87
 SIGNATURE OF ENGINEER



GENERAL NOTES

- STORM WATER MANAGEMENT UNDER F.88.229
- THE LAND INCLUDED IS ZONED R-20
- COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON COUNTY GEODETIC SURVEY POINT NO. AND NO.
- THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON-TAX MAP
- THE TOTAL AREA ON THIS PLAN IS 165,000 SQ. FT. (3.78 AC.)
- ALL ROADS ARE PUBLIC AND EXISTING
- ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 11
- STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 12.14 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.

PERMANENT SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

- Soil Amendments: In lieu of soil test recommendations, use one of the following options:
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
 - Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

TEMPORARY SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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

- Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period July 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 15 thru October 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and as soon as possible in the spring, Option (2) Use sod, Option (3) Seed with 100 lbs per acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated straw immediately after seeding. Anchor mulch immediately after application by anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/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.



LAND DESIGN ASSOCIATES
 716 HANCOCK DRIVE
 BALTIMORE, MD 21211

DESIGNED: R.L.W.
 DRAWN: R.L.W.
 CHECKED: R.L.W.
 DATE: 1/18/87

OWNER AND DEVELOPER:
 PEDICORD PROPERTY CORP. 1074 BALTO. NAT. GAS
 SDP-87-85