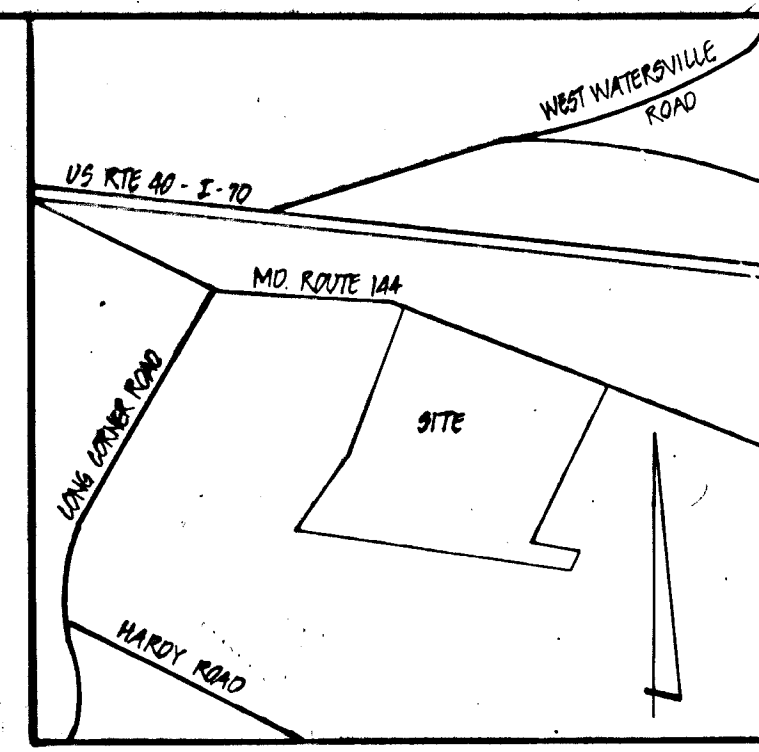


DATE	REVISIONS	BY
10/10/95	DISSEMINATION	WJ
	CONTRACT NO. 2-113, SPOKESMAN COUNTY, LIMIT OF DISTURBANCE, REVISION	

CURVE DATA CHART					
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA	CHORD BEARING & DISTANCE
1	1100.00'	175.00'	87.69'	09°00'35"	S 25° 25' 02" W, 129.10'
2	600.00'	135.00'	67.70'	12°55' 30"	S 23° 31' 45" W, 129.10'

HORIZONTAL & VERTICAL DATUM BASED ON HOWARD COUNTY STA. 392.8002

GENERAL NOTES  
SEE SHEET 2 OF 3



REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
U.S. SOIL CONSERVATION SERVICE  
DATE: 4-10-87  
THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
DATE: 4-10-87

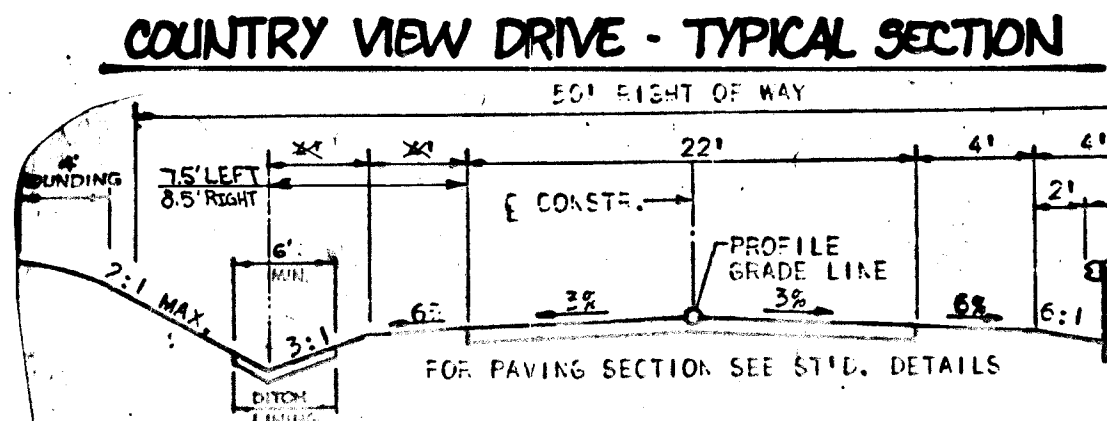
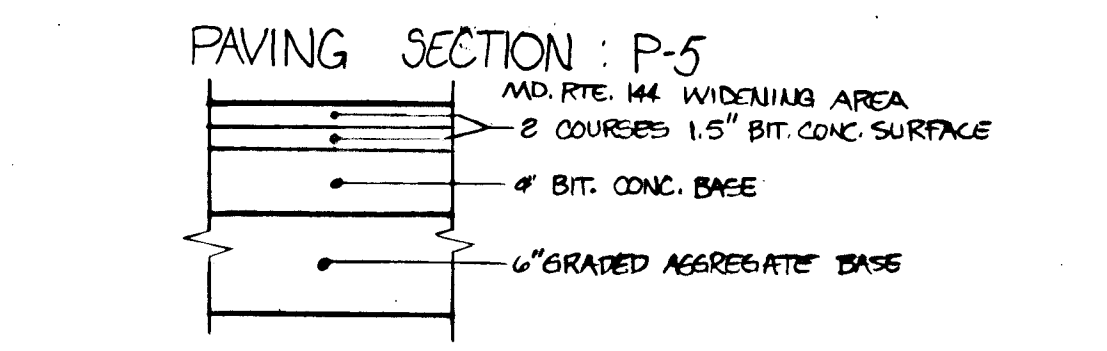
OWNER & DEVELOPER  
RICHARD M. HOUGH  
1990 ROUTE 144  
MT. AIRY, MARYLAND 21771

DATE	BY

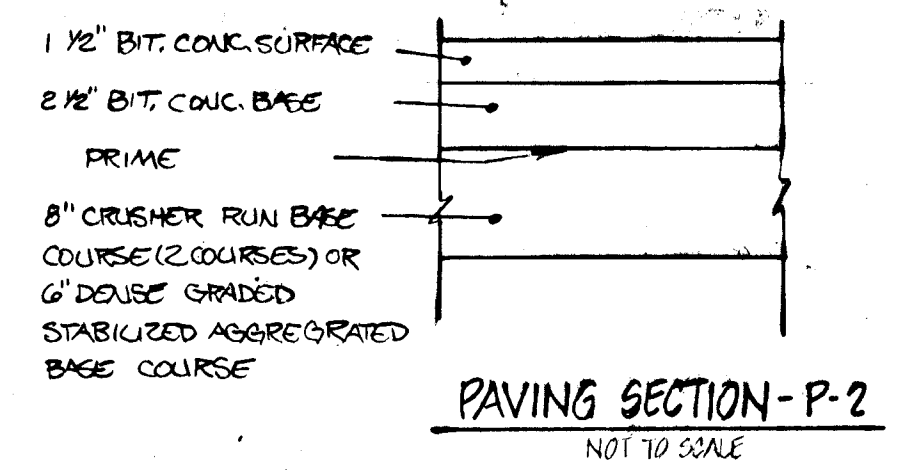
PLAN	NO.
NOTE BOOK	
ALIGNMENT CHECKER	
FT. OF WAY CHECKED	

DATE	BY

PROFILE	NO.
CHANGE ORDER	
CHANGE CHECKED	
REVISIONS	



- NOTES:
- USE GUARDRAIL WHERE INDICATED BY FIGURE 2.17.
  - SEE THE STORM DRAINAGE DESIGN MANUAL FOR CRITERIA GOVERNING SLOPE, LINES, AND SPREAD OF FLOW. THE DITCH SECTION MAY BE MODIFIED TO MEET THE SPREAD CRITERIA.
  - THIS SECTION APPLIES ONLY TO CUL-DE-SAC WITH A.D.T. OF 300 OR LESS. OPEN SECTION - 'R' DISTRICT



DEVELOPER'S CERTIFICATE  
I 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 PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEING BEHINDING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.  
DEVELOPER: *Richard M. Hough* DATE: 4-10-87

ENGINEER'S CERTIFICATE  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
ENGINEER: *Walter A. Fivola* DATE: 4-8-87



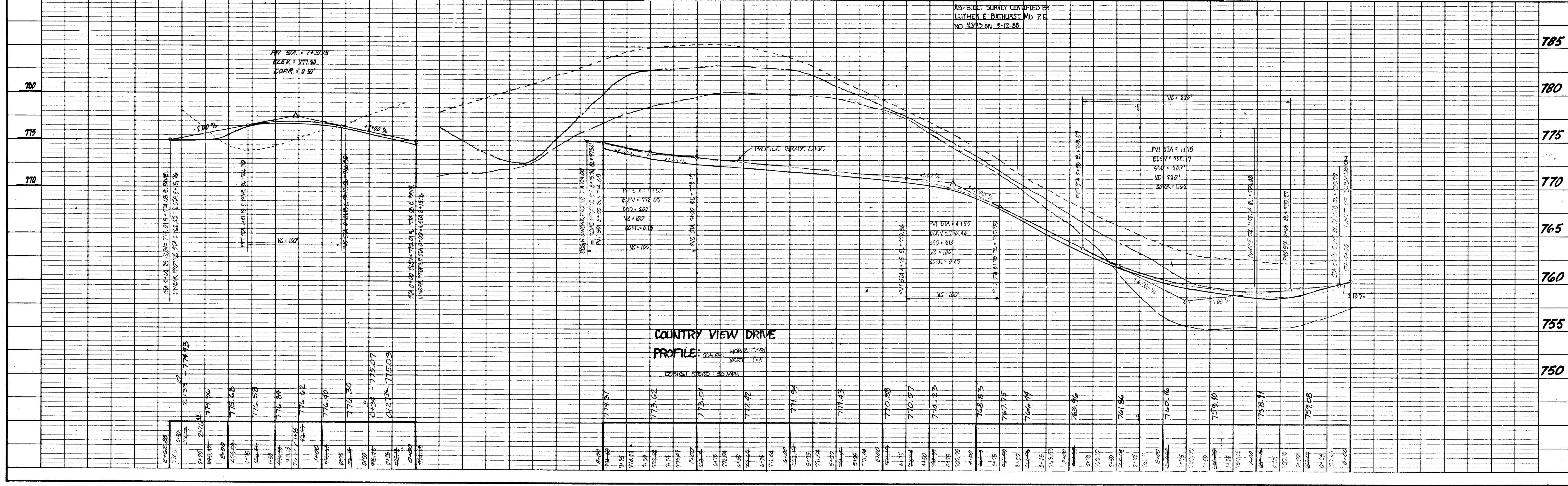
APPROVED: DEPARTMENT OF PUBLIC WORKS  
*John S. Ryan* 4-16-87  
CHIEF, BUREAU OF ENGINEERING

APPROVED: OFFICE OF PLANNING AND ZONING  
*L. M. M. M. M. M.* 4-13-87  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

TITLE: ROAD CONSTRUCTION PLAN  
PROJECT: COUNTRY VIEW  
LOCATION: TM MAP 2, PARCEL 124, QPZ FILE NO. 1-9-85-11  
FOURTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
DATE: NOV, 1995 DESIGN BY: WJ DRAWN BY: JCO/D/MP CHECKED BY: WN  
SCALE: 1"=50' JOB NO.: 04138 DRAWING NO.: 1 OF 3

boender associates  
COURTHOUSE SQUARE  
ELLCOTT CITY, MARYLAND 21043  
BALTIMORE 301-465-7777

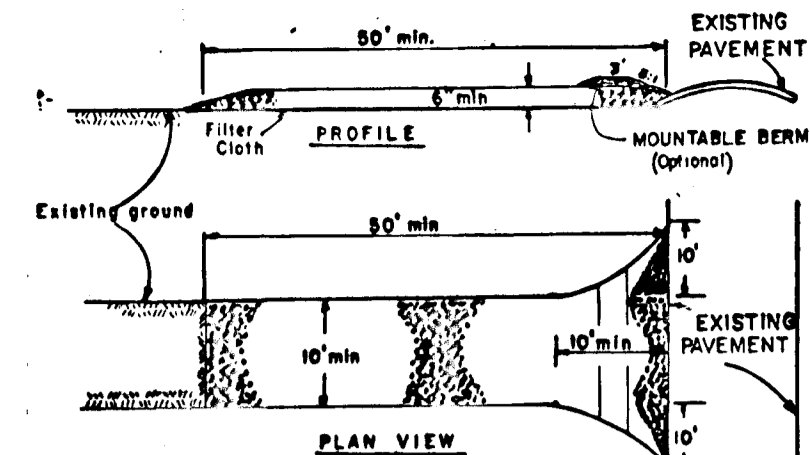
engineers  
surveyors  
planners



SEQUENCE OF CONSTRUCTION

1. Obtain grading permit.
2. Notify the Howard County Bureau of Licenses, Inspections and Permits and the Construction/Inspection/Survey Division at 792-7272 at least 24 hours before beginning grading operations.
3. Clear and grub for sediment control devices. Construct stabilized construction entrance and sediment trap.
4. Grade as necessary and construct the storm drain system to the location of S-1. Provide 60 linear feet of temporary drain into the sediment trap.
5. Clear as necessary and grade for road construction. Pave the road and install driveway culverts.
6. Vegetatively stabilize all disturbed areas.
7. Flush out the storm drain system. Remove the temporary drain and complete construction of the rip rap apron and the improved vegetated channel.
8. Fill in the sediment trap and vegetatively stabilize all disturbed areas.
9. With the grading inspector's approval, remove remaining sediment control devices and stabilize all disturbed areas.

1 week  
2 weeks  
2 weeks  
3 days  
3 days  
3 days



CONSTRUCTION SPECIFICATION

1. Stone Size - Two (2) sizes, or reinforced or recycled concrete equivalent.
2. Length - As required, but not less than 30 feet (except on a single residence lot where a 20 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrance shall be piped across the entrance. If piping is impractical, a monthly berm with 3:1 slope will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediments onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public right-of-way must be removed immediately.
8. Warning - Vehicles shall be cleaned to remove sediment prior to entrance onto public right-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.
9. Periodic inspection and needed maintenance shall be provided after each rain.

SEDIMENT CONTROL SPECIFICATION

1. The area under sediment shall be cleared, grubbed and stripped of any vegetation and top soil. The soil area shall be cleared.
2. The fill material for the sediment shall be free of roots or other woody vegetation as well as gravel, stones, rocks, asphalt material or other objectionable material. The sediment shall be constructed by spreading sediment on a 3:1 slope, measured at vertical of sediment.
3. All fill slopes shall be 3:1 or flatter on slopes 3:1 or flatter.
4. Elevation of the top of any dike directing water into trap must equal or exceed the height of sediment.
5. Storage area provided shall be figured by computing the volume available behind the dike (based on an elevation of one (1) foot below the level water table).
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be installed at least six (6) inches into existing ground at entrance of outlet channel.
7. Stone used in the outlet channel shall be from (2) to eight (8) inches (except) to provide a filter effect, a layer of filter cloth shall be installed one (1) foot into the upper face of the outlet stone or a one (1) foot thick layer of top (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
8. Outlet shall be covered and trap restored to its original condition when the sediment has accumulated to 1/2 the design depth of the trap. Sediment shall be disposed in a suitable area and in such a manner that it will not erode.
9. The structure shall be inspected after each rain and repaired as needed. The structure operation shall be carried out in such a manner that erosion and water pollution are minimized.
10. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
13. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STABILIZED CONSTRUCTION ENTRANCE - S.C.E.

NOT TO SCALE

STRUCTURE SCHEDULE				
NO.	TYPE	SIZE	INV. IN	TOP ELEV.
1	10' LONG END SECTION	4'-0"	754.41	754.70

MANHOLE SCHEDULE				
NO.	TYPE	SIZE	INV. IN	TOP ELEV.
M-1	STD PRECAST	4'-0"	754.41	754.70

INLET SCHEDULE				
NO.	TYPE	SIZE	INV. IN	TOP ELEV.
I-1	K	18"	754.41	754.70
I-2	K	18"	754.41	754.70

3'-0.6 FT.  
A = 6.78 SF  
Wp = 12.68 SF  
R = 0.950 R<sub>2</sub> = 0.655  
S = 0.10 S<sub>1/4</sub> = 1.00  
V = 1.86 / 0.15 = 12.40  
Q = 18.8 CFS V = 2.8 FPS

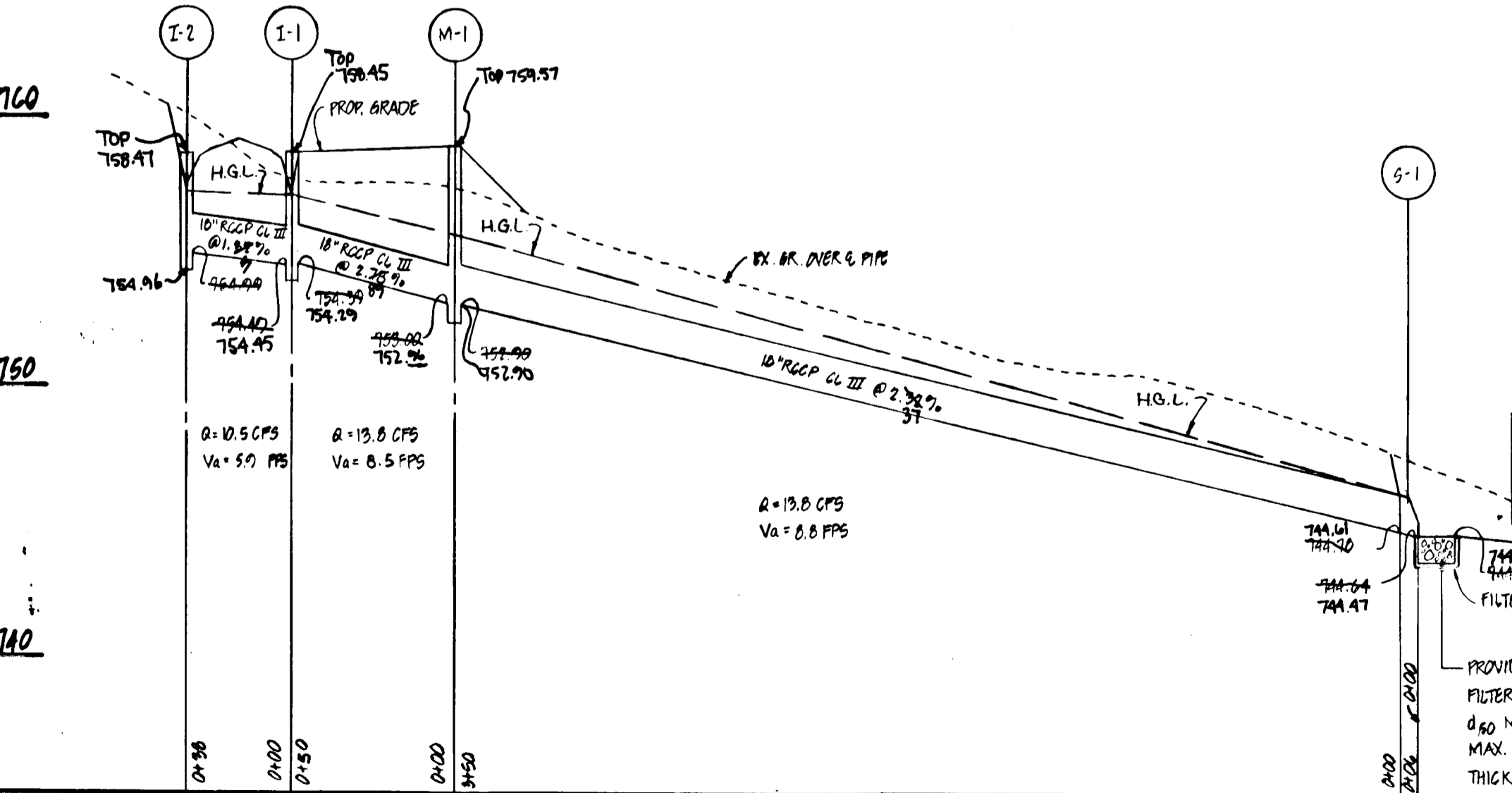
SECTION 'A'

NOT TO SCALE

RIPRAP OUTLET SEDIMENT TRAP

NOT TO SCALE

PROVIDE VEGETATED CHANNEL TO EXISTING GROUND, SEED AND MAINTAIN ALL DISTURBED AREAS



PROFILE

SCALE: HORIZ: 1" = 50' VERT: 1" = 5'

AS-BUILT SURVEY CERTIFIED BY LUTHER E. BATHURST, MD. P.E. NO. 11393 ON 9-12-88

PERMANENT SEEDING NOTES

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

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

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

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) 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. Narrow or disc into upper three inches of soil.

**Seeding:** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 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 16 thru February 28, protect area by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/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 small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 feet or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

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

**Soil Amendments:** Apply 400 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 20 bushel per acre of annual ryegrass (2.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 2 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect area 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/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 3 1/2 gal 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.

SEDIMENT CONTROL NOTES

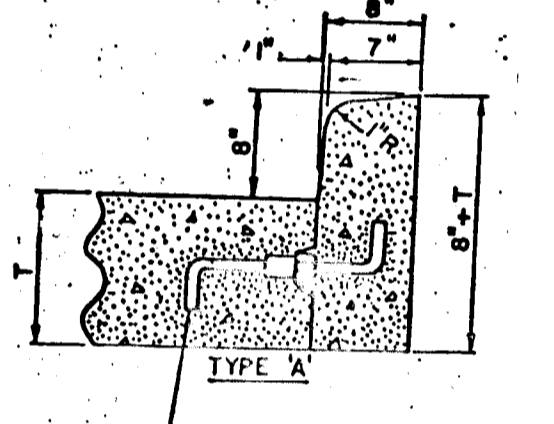
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437).
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 72-hour period for all perimeter sediment control structures, dikes, berms, slopes and all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Part 1, Chapter 15 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) 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. Temporary seeding (Sec. 31) and sod (Sec. 34), temporary seeding (Sec. 30) and sod (Sec. 34) shall not be used for stabilization with mulch alone can only be done when recommended by the Howard County Soil Conservation District. Mulch alone does not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place until approved for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:  
Total Area of Site: 41.18 Acres  
Area Disturbed: 11.18 Acres  
Area to be roofed or paved: 11.18 Acres  
Area to be vegetatively stabilized: 11.18 Acres  
Total Cut: 0.00 Cu. Yds.  
Total Fill: 0.00 Cu. Yds.  
Off-site waste/borrow area location: [ ]
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 10) 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 approval may not be authorized until this initial approval by the inspection agency is made.

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV, I.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. APPROPRIATE LOCATION OF EXISTING UTILITIES ARE SHOWN. 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.
3. THE CONTRACTOR SHALL TEST PIT FOR EXISTING UTILITIES AT LEAST FIVE (5) DAYS PRIOR TO STARTING WORK SHOWN ON THESE DRAWINGS.
4. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES AT LEAST FIVE (5) DAY PRIOR TO BEGINNING WORK SHOWN ON THESE DRAWINGS:  
BELL TELEPHONE SYSTEM.....559-0100  
MILL TELEPHONE SYSTEM.....393-3449  
LONG DISTANCE CABLE DIVISION.....393-3553/3554  
BALTIMORE GAS & ELECTRIC COMPANY.....539-8000  
HOWARD COUNTY BUREAU OF UTILITIES.....992-2366  
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK).....792-7272
5. ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
6. ALL STREET CURB RETURNS SHALL HAVE 30" RADIUS UNLESS OTHERWISE NOTED.
7. GROUND DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAY SHALL BE BRICKLINED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOL. IV, I.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
8. INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1978 EDITION (REVISED).
9. PIPE SHALL NOT BE INSTALLED BY CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
10. DESIRED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIAL STANDARDS:  
MD RTE 144, MINOR ARTERIAL, DESIGN SPEED = 40 M.P.H.  
COUNTRY VIEW DRIVE: CUL-DE-SAC, DESIGN SPEED = 30 M.P.H.
11. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
12. ALL FILL AREAS WITHIN ROADWAYS AND/OR UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM 95% COMPACTION.
13. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
14. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
15. SUBJECT PROPERTY ZONED "R" PER 08-02-85 COMPREHENSIVE ZONING PLAN.
16. TOPD SHOWN HEREON IS BASED ON MD. CO. 1"-200" AERIAL PHOTOGRAMMETRIC MAPS.
17. NO PIPE SHALL BE LAID IN PLACE UNTIL LINES OF EXCAVATION HAVE BEEN PROVED TO WITHIN SIX (6) INCHES OF FINISHED GRADE ELEVATIONS.
18. ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS "B" AS SHOWN IN FIG. 11.4 OF THE HOWARD COUNTY DESIGN MANUAL, VOL. I, UNLESS OTHERWISE NOTED.

NOTE - UNLESS OTHERWISE SPECIFIED, LONGITUDINAL TIE BAR DEVICE: TYPE 'M' OR TYPE 'N' PLACED AT MIDSPAN OF KEYWAY (NOT SHOWN) & SPACED ACCORDING TO SPECIFICATIONS FOR CONCRETE PAVEMENT SHALL BE USED AT CONSTRUCTION JOINT BETWEEN CONCRETE CURB & GUTTER. SEE STANDARD MD-372.61.

NOTE - JOINT BRACKETS FOR CONCRETE CURB AND CORR. CURB LOCATOR - SEE SPECIFICATIONS FOR LOCATION AND DESCRIPTION OF TREATMENT FOR THE TYPES OF JOINTS USED.



MD. SHA CURB & GUTTER TYPE 'A'

APPROVED: DEPARTMENT OF PUBLIC WORKS

APPROVED: OFFICE OF PLANNING AND ZONING

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

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

DEVELOPER'S CERTIFICATE

ENGINEER'S CERTIFICATE

OWNER & DEVELOPER

RICHARD M. HOUGH  
11591 ROUTE 144  
MT AIRY, MARYLAND 21771

**boender associates inc.**  
consulting engineers  
land surveyors  
land planners

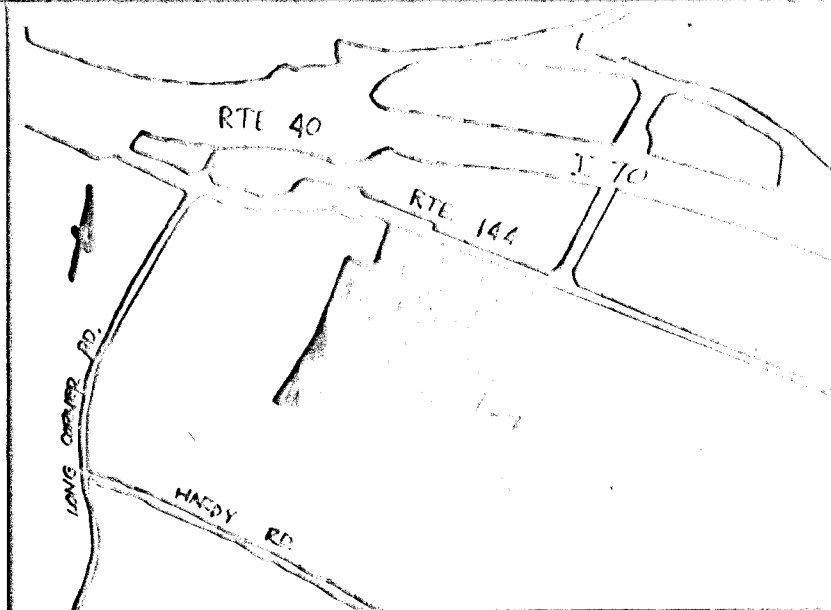
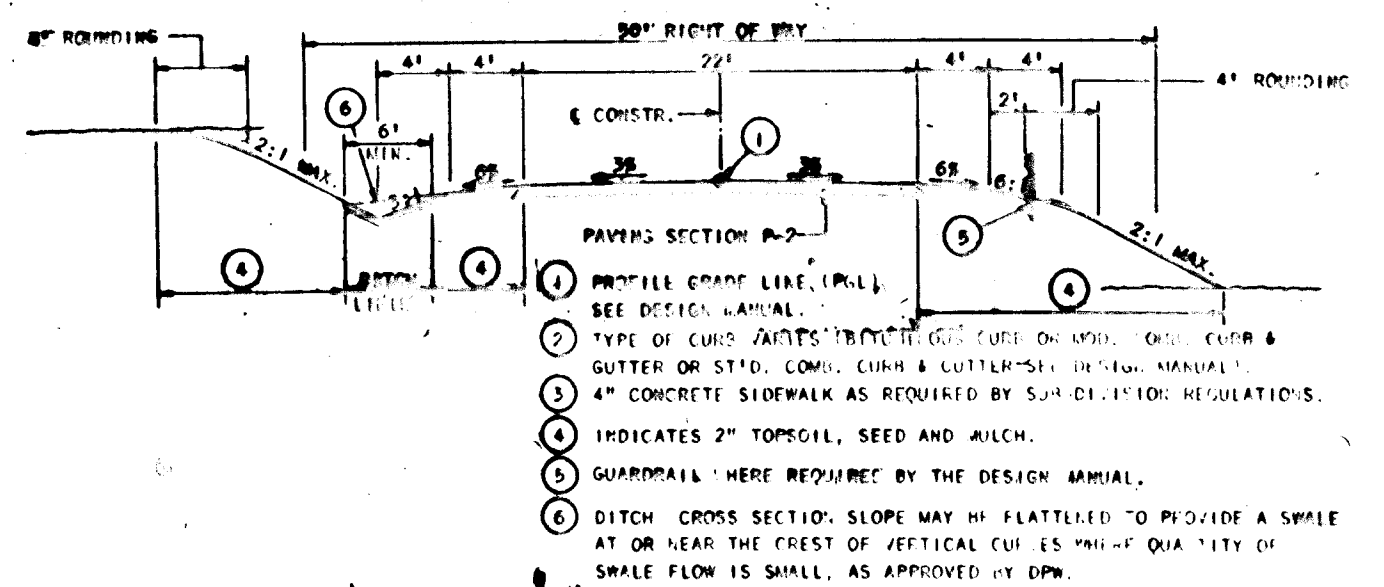
COURTHOUSE SQUARE  
3565 ELLICOTT MILLS DRIVE  
ELICOTT CITY, MD. 21043  
13011 465-7777

TITLE: STORM DRAIN & SEDIMENT CONTROL PLAN  
PROJECT: COUNTRY VIEW  
LOCATION: 6TH ELECTION DISTRICT TAX MAP: 2 HOWARD CO. MD.  
SCALE: AS SHOWN  
DESIGNED BY: WN  
DRAWN BY: D.P.  
CHECKED BY: WN  
DATE: DEC. 1986  
JOB NO.: 84198  
PAGE NO.: 2 OF 3  
DRAWING NO.: 2 OF 3

F-87-124 AS-BUILT 9-12-88

1255

DATE	BY

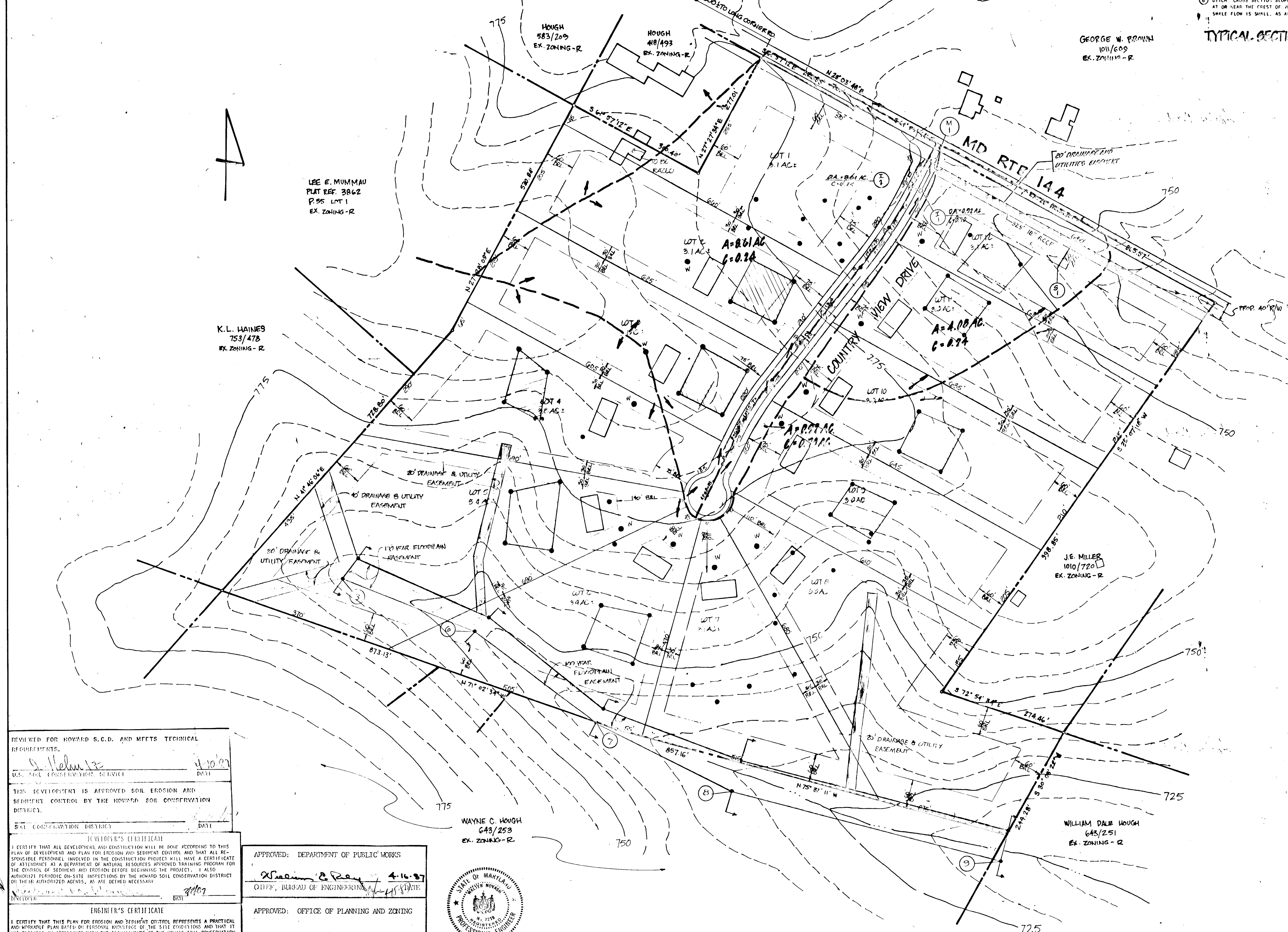


TYPICAL SECTION - ROAD 'A'

VICINITY MAP  
SCALE: 1"=100'

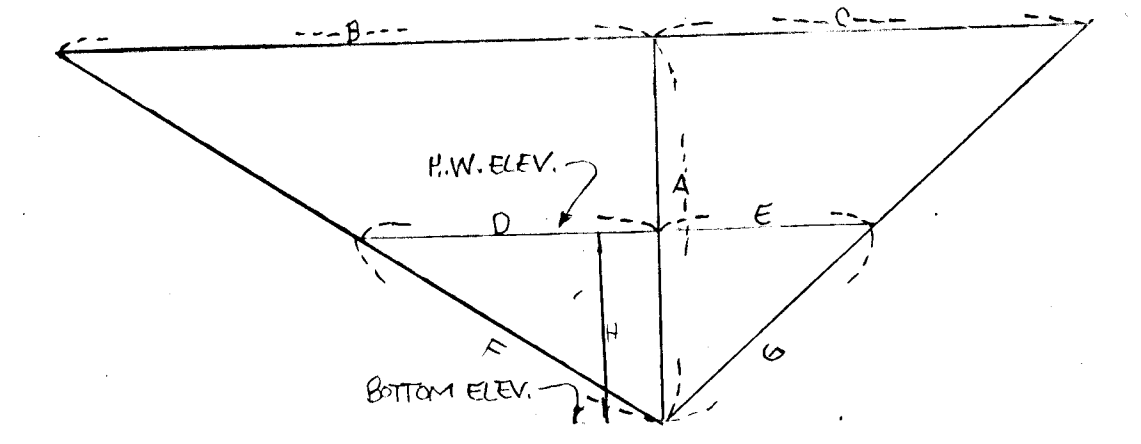
GENERAL NOTES

1. TAX MAP 2, PARCEL 124
2. PLOT DEVELOPMENT: 643/253
3. EXISTING ZONING: R
4. ROAD WIDTH: 20' TO 30' SETBACKS TO BE OBSERVED
5. ROAD ELEVATION: 100' TO 110' (SEE DESIGN MANUAL)
6. ROAD WIDTH: 20' TO 30' (SEE DESIGN MANUAL)
7. ROAD ELEVATION: 100' TO 110' (SEE DESIGN MANUAL)
8. ROAD WIDTH: 20' TO 30' (SEE DESIGN MANUAL)
9. ROAD ELEVATION: 100' TO 110' (SEE DESIGN MANUAL)



NOTE: BEDROCK CONTROL MEASURES TO BE REQUIRED ON THE LOCAL ROAD CROSS SECTION PLANS.

TYPICAL CROSS SECTION FOR ROAD, FLOODPLAIN (NOT SCALE)



CROSS SECTION	A	B	C	H	G	AREA
5	1.11	31	50	0.81	113.2	4.56
6	4.01	59	78	1.28	134.0	5.68
7	4.41	50	46	1.47	116.1	7.01
8	5.00	140	115	1.20	113.5	4.78
9	3.48	91	94	1.38	247.0	4.89

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE

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

SOIL CONSERVATION DISTRICT

DEVELOPER'S CERTIFICATE

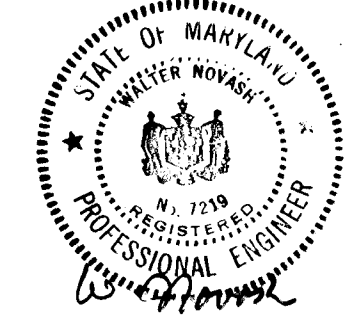
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AS A DEPENDENT OF NATURAL RESOURCES APPROVED TRAINING 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 ON THE AUTHORIZED AREAS, AS DEEMED NECESSARY.

ENGINEER'S CERTIFICATE

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

APPROVED: DEPARTMENT OF PUBLIC WORKS

APPROVED: OFFICE OF PLANNING AND ZONING



OWNER/DEVELOPER

RICHARD M. HOUGH  
17591 RTE. 144  
MT. AIRY, MD. 21771

TITLE: DRAINAGE AREA MAP

PROJECT: COUNTRY VIEW

LOCATION: TAX MAP 2, PARCEL 124, PLOT DEVELOPMENT: 643/253, EXISTING ZONING: R, ROAD ELEVATION: 100' TO 110' (SEE DESIGN MANUAL), ROAD WIDTH: 20' TO 30' (SEE DESIGN MANUAL), ROAD ELEVATION: 100' TO 110' (SEE DESIGN MANUAL), ROAD WIDTH: 20' TO 30' (SEE DESIGN MANUAL)

DATE: NOV. 1985

SCALE: 1"=100'

DESIGN BY: D.P.

DRAWN BY: S.D.K.

CHECKED BY: J.A.B.

DRAWING NO: 3 OF 3

JOB NO: 85158

boender associates

3655 ELLICOTT HILLS DRIVE  
ELLICOTT CITY, MARYLAND 21043  
301.465.7777

engineers  
surveyors  
planners

F-87-24 AS-BUILT 9-12-88