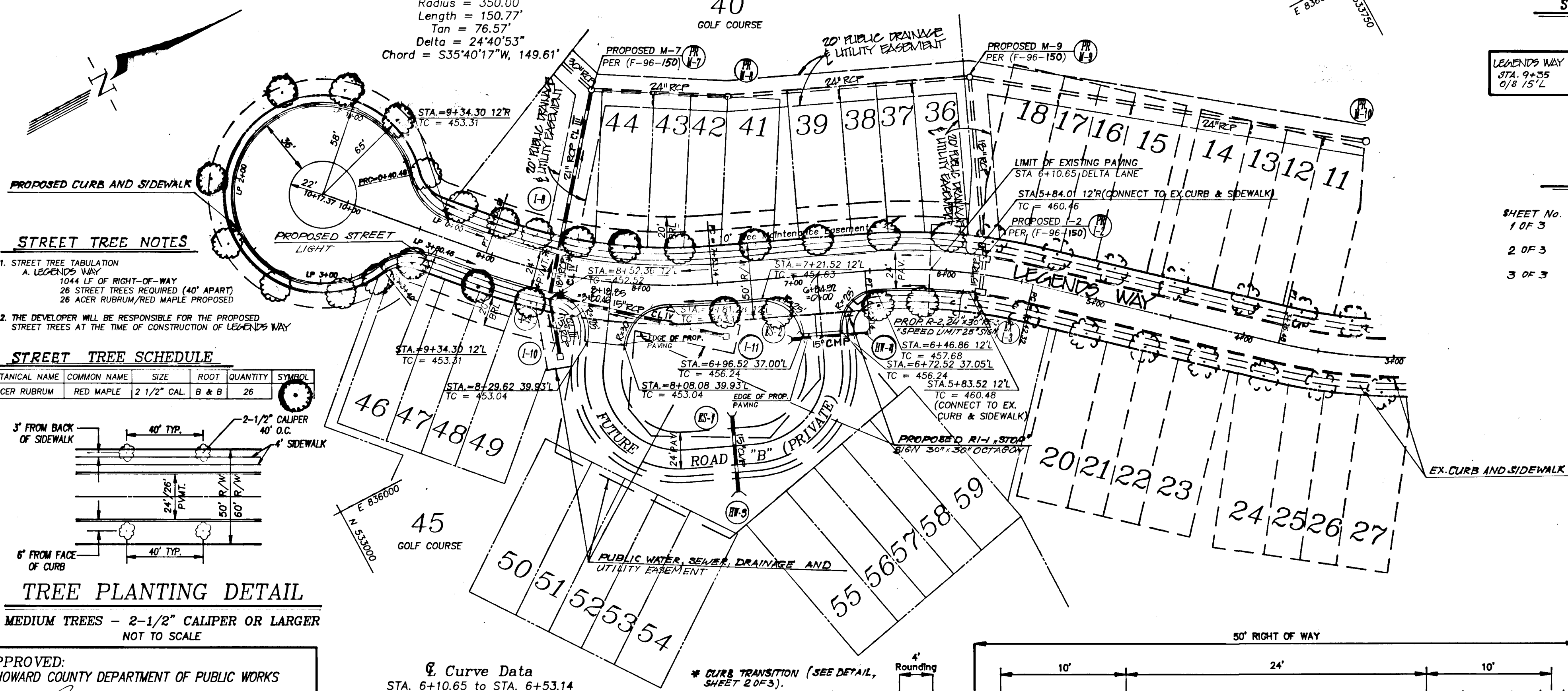
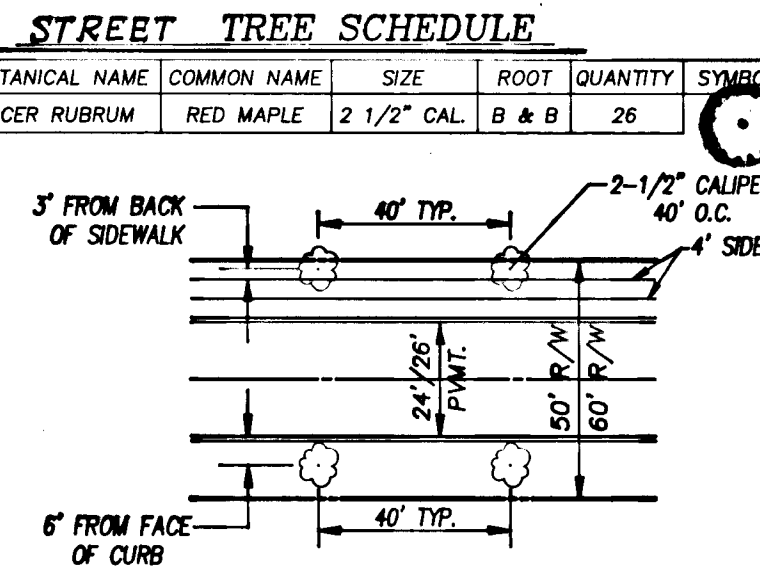


Curve Data
 STA. 7+53.14 TO STA. 9+03.91
 Radius = 350.00'
 Length = 150.77'
 Δ = 76.57°
 Delta = 24°40'53"
 Chord = S35°40'17"W, 149.61'



STREET TREE NOTES
 1. STREET TREE TABULATION
 A. LEGENDS WAY
 1044 LF OF RIGHT-OF-WAY
 26 STREET TREES REQUIRED (40' APART)
 26 ACER RUBRUM/RED MAPLE PROPOSED
 2. THE DEVELOPER WILL BE RESPONSIBLE FOR THE PROPOSED STREET TREES AT THE TIME OF CONSTRUCTION OF LEGENDS WAY



TREE PLANTING DETAIL
 MEDIUM TREES - 2-1/2" CALIPER OR LARGER
 NOT TO SCALE

APPROVED:
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] Acting 10/9/96
 CHIEF, BUREAU OF HIGHWAYS DATE

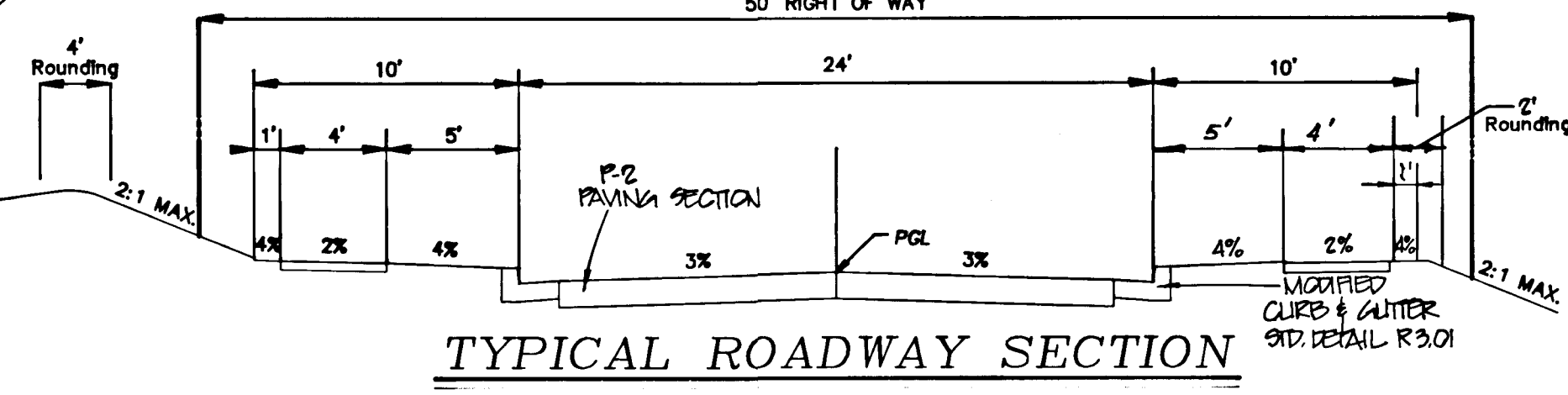
APPROVED:
 HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 3/1/97
 DIVISION OF LAND DEVELOPMENT DATE

[Signature] 3/9/97
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Curve Data
 STA. 6+10.65 TO STA. 6+53.14
 Radius = 350.00'
 Length = 42.48'
 Δ = 21.27°
 Delta = 06°57'15"
 Chord = S26°48'28"W, 42.45'

PLAN
 SCALE: 1" = 50'

PROFILE
 SCALE: 1" = 50' horiz.
 1" = 5' vert.



TYPICAL ROADWAY SECTION
 NOT TO SCALE
 LEGENDS WAY (STA. 6+10.65 TO 9A+10+17.57)
 LOCAL ROAD, CUL-DE-SAC
 DESIGN SPEED - 30 MPH
 NOTE: MICACEUS SOIL SLABGRADE REQUIRES THE AGGREGATE BASE. PAVEMENT SECTION AS SHOWN ON THE PAVEMENT SECTION TABLES.

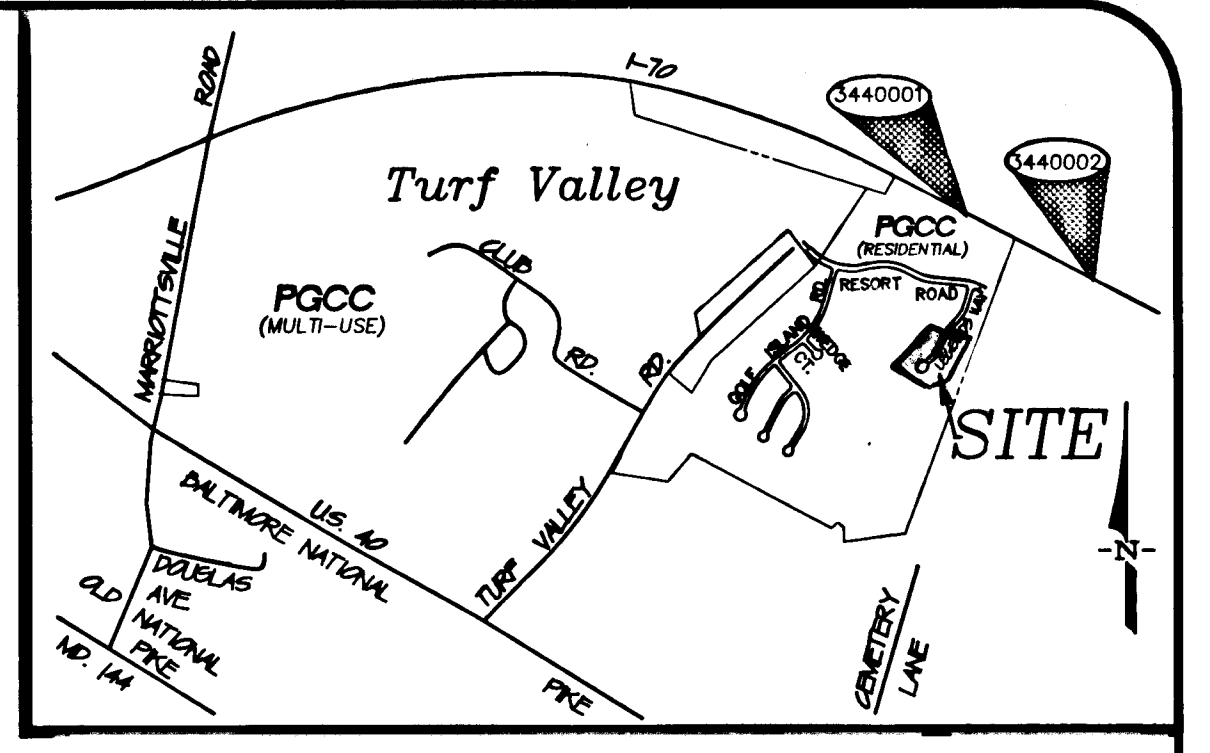
STREET LIGHT LEGEND

LEGENDS WAY
 STA. 9+35 TO 9+152
 100 WATT HPS VAPOR TRADITIONAL
 POST TOP FIXTURE MOUNTED ON A
 14 FOOT BLACK FIBERGLASS POLE

STREET LIGHT SHALL
 BE PLACED 2'-4" FROM
 BACK OF CURB

SHEET INDEX

SHEET No. 1 OF 3 LEGENDS WAY PLAN AND PROFILE
 2 OF 3 GRADINGS AND SEDIMENT CONTROL & LANDSCAPING PLAN
 3 OF 3 GRADINGS AND SEDIMENT CONTROL NOTES AND DETAILS



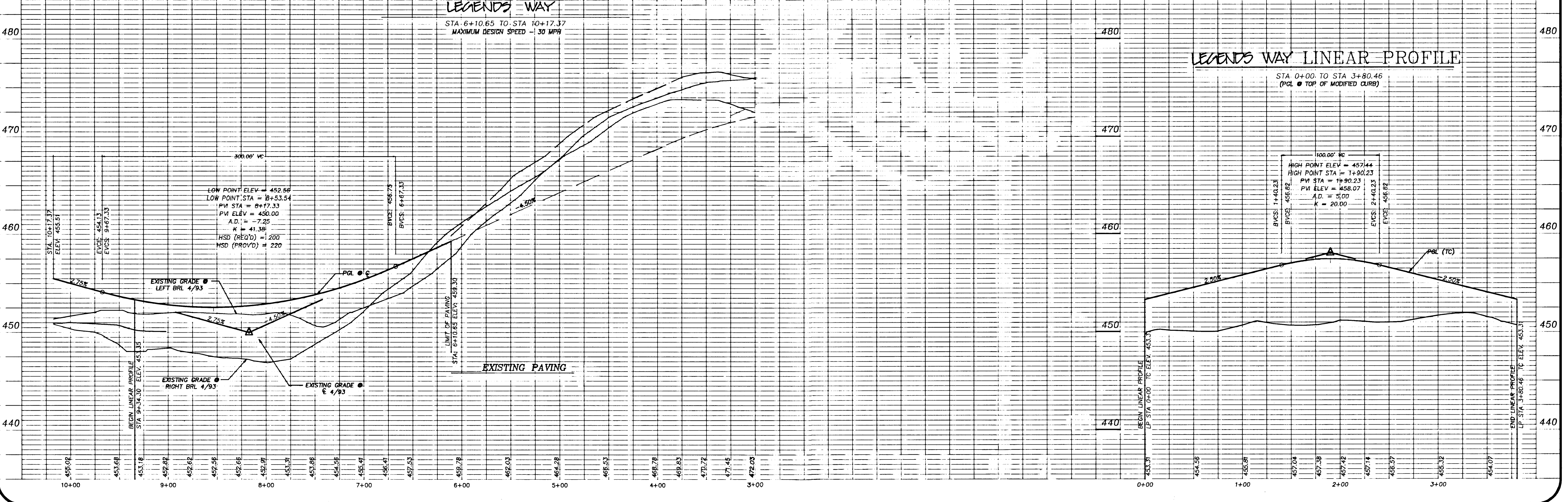
Vicinity Map

SCALE: 1" = 2000'



GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS / BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME III (1993) AND AS MODIFIED BY "GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS (JUNE 1993)". A MINIMUM SPACING OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM AN AERIAL SURVEY WITH TWO (2) FOOT CONTOUR INTERVALS PREPARED BY MWS MAPPING CO., INC. DATED APRIL 23, 1992.
- PHASE 1 (F-96-150) AND PHASE 2 (F-96-151) OF THIS PROJECT REFER TO CONTRACTS #1 AND #2 APPROVED UNDER D-92-14 (APPROVED 10/28/92). THEY DO NOT REFER TO AFD OR TRAFFIC PHASING.
- SURVEY CONTROL IS BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PRECEDED BY HOWARD COUNTY GEODETIC CONTROL STATIONS:
 3440001 NS34733.478 ELEV 486.341
 ER36286.297
 3440002 NS33593.800 ELEV 482.306
 ER37983.249
- WATER IS PUBLIC. (CONTRACT #44-3548-D, LITTLE PATUXENT DRAINAGE AREA)
- SEWER IS PUBLIC. (CONTRACT #44-3548-D, LITTLE PATUXENT DRAINAGE AREA)
- SEE SDP 95-121 FOR ALL WORK RELATED TO THE PROPOSED REGIONAL SWM POND (APPROVED 4/27/96).
- EXISTING UTILITIES ARE BASED ON HOWARD COUNTY CONTRACT DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
- THE FLOODPLAIN STUDY FOR THIS PROJECT WAS PREPARED BY R.M. MOCHL GROUP, P.C., DATED AND APPROVED ON OCTOBER 23, 1995.
- THE METLANDS DELINEATION STUDY FOR THIS PROJECT WAS PREPARED BY EXPLORATION RESEARCH, DATED 8/18/96 AND WAS APPROVED ON 10/23/95.
- THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE TRAFFIC GROUP, DATED MARCH 31, 1996 AND WAS APPROVED ON APRIL 25, 1996. IN ADDITION, A FOLLOW-UP TRAFFIC LETTER WAS PREPARED BY THE TRAFFIC GROUP DATED APRIL 20, 1995 AS SUPPORT TO SP-95-14 (APPROVED OCTOBER 23, 1995).
- PROJECT BACKGROUND INFORMATION:
 SUBDIVISION NAME: TURF VALLEY POB D
 TAX MAP: 16
 P/O PARCEL: 8
 ELECTION DISTRICT: 2
 TOTAL TRACT AREA: 4.28 ACRES
 NUMBER OF PROPOSED LOTS: 32 (BUILDABLE)
 PRE-EQUIV. SHEET APPROVAL DATE: 10/23/95
 DPZ REFERENCE NUMBER: SP-95-14
- THIS PLAN IS IN CONFORMANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT HOWARD COUNTY DESIGN MANUAL, VOLUME II.



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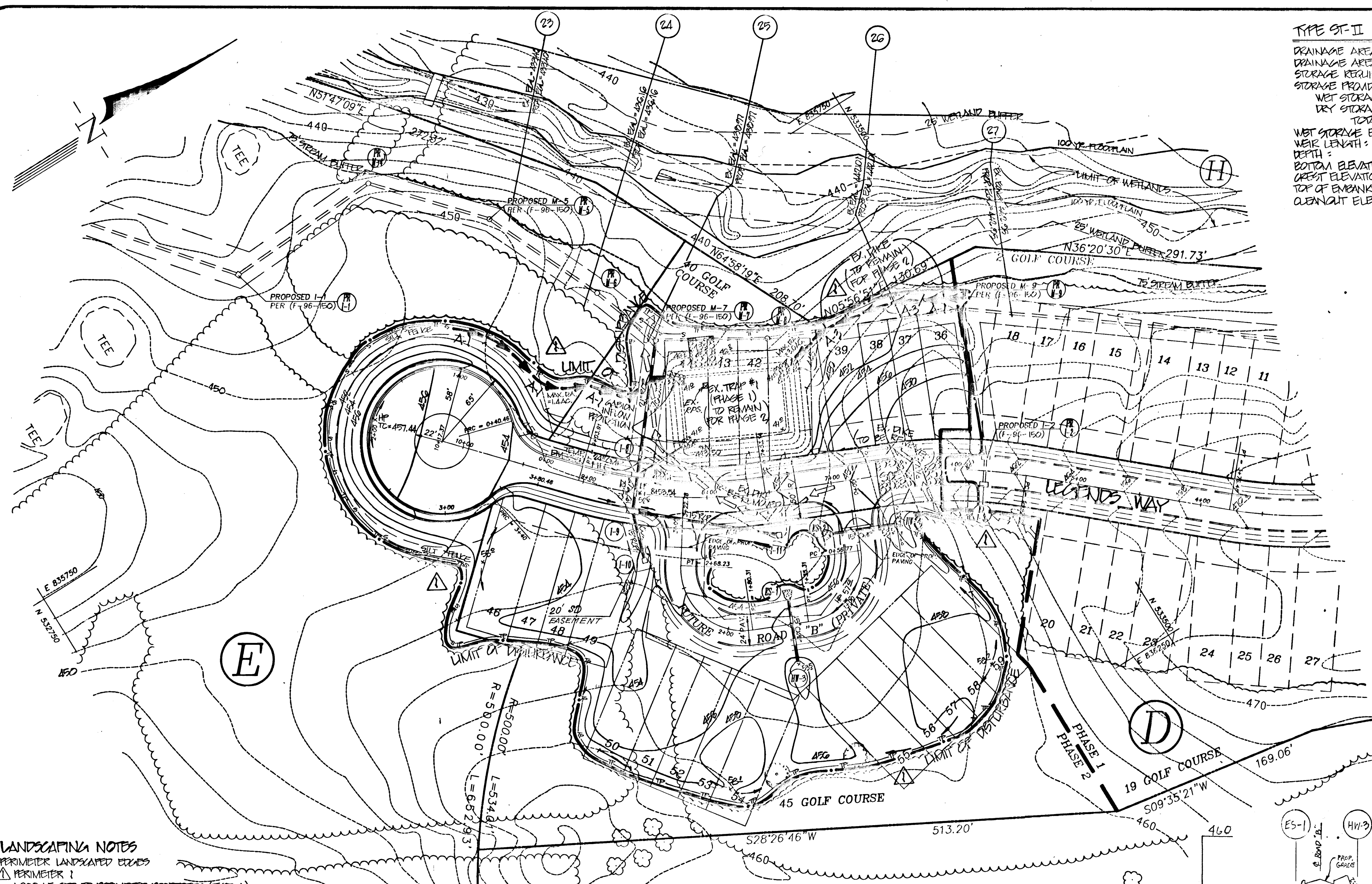
Project	Date	By	Checked	Approved
95018.13	4/10/96	Engineering	PPB/ANZ	RMM

NO.	DATE	DESCRIPTION	BY
1	11/09/95	QUANTIFIED ORIGINALS TO DPZ FOR SIGNATURES	
2	7/26/96	REVISED SUBMITTAL TO DPZ	
3	4/28/96	1ST SUBMITTAL TO DPZ	

PHASE II
 TURF VALLEY PODS "D" AND P/O "E"
 ELECTION DISTRICT No. 2
 HOWARD COUNTY, MARYLAND
 LEGENDS WAY - PLAN AND PROFILE

R.M. MOCHL GROUP, P.C.
 1300 N. Main Road, Suite 205
 Ellicott City, MD 21043-3320
 (410) 441-0275
 Fax: (410) 756-6540

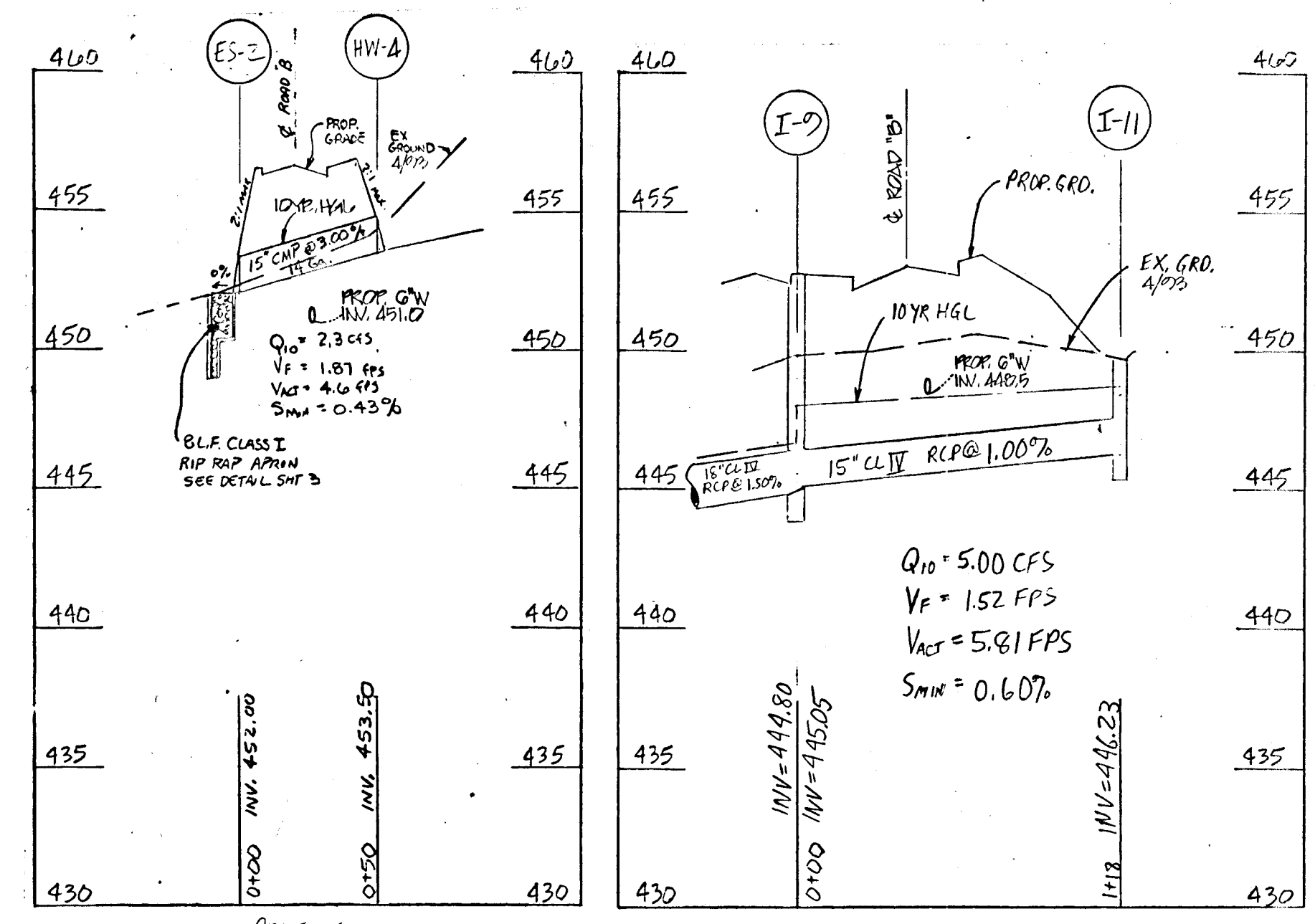
F-96151



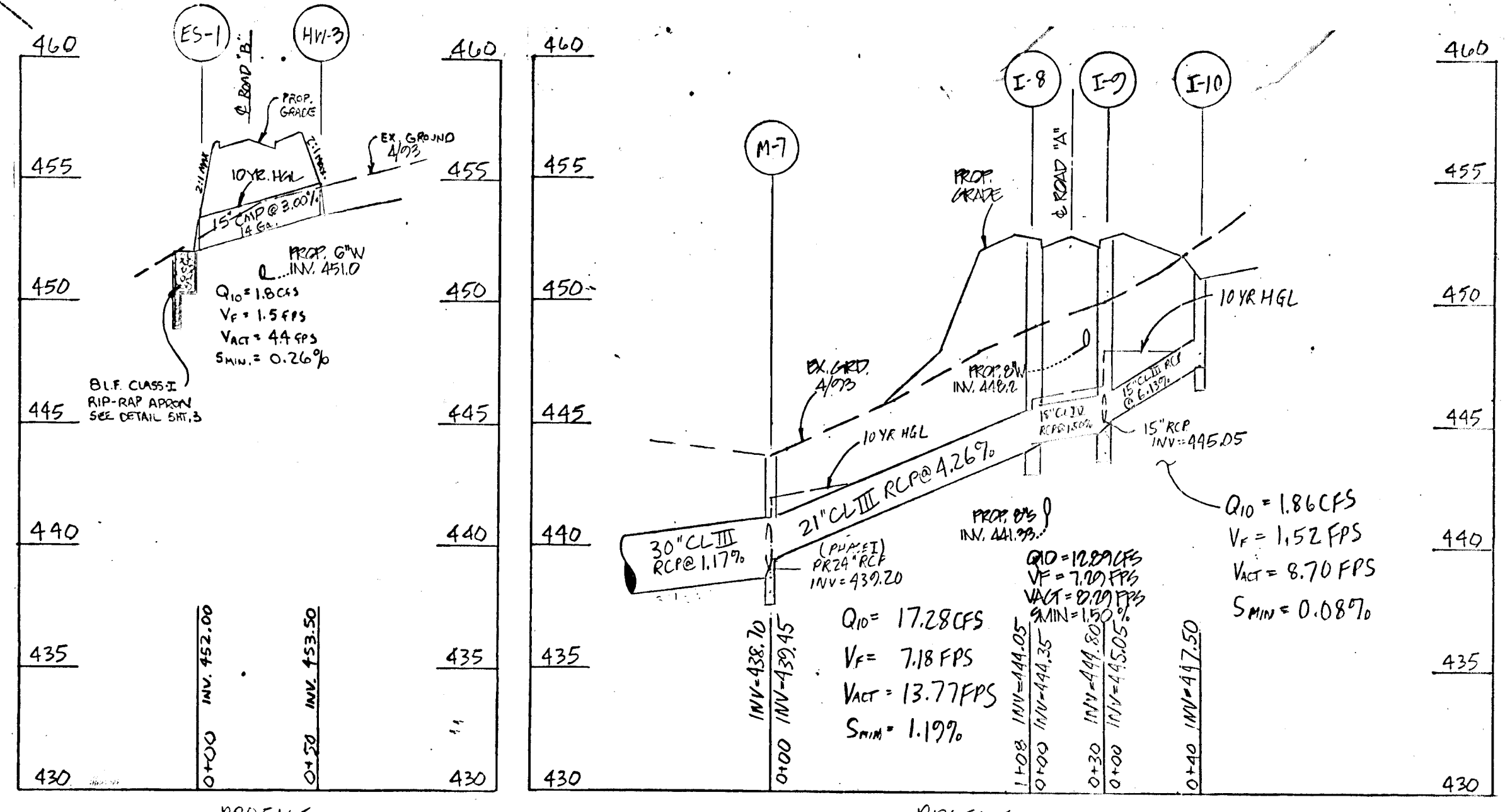
TYPE ST-II TRAP #1 (PHASE 2)
 DRAINAGE AREA (EX): 4.7 AC.
 DRAINAGE AREA (PROP): 4.3 AC.
 STORAGE REQUIRED: 10,920 CU. FT. (TOTAL)
 STORAGE PROVIDED:
 WET STORAGE: 11,750 CU. FT.
 DRY STORAGE: 10,220 CU. FT.
 TOTAL: 21,970 CU. FT.
 WET STORAGE ELEVATION: 443.50
 WEIR LENGTH: 20'
 DEPTH: 4'
 BOTTOM ELEVATION: 441.00
 CREST ELEVATION: 445.20
 TOP OF EMBANKMENT: 446.20
 CLEANOUT ELEVATION: 442.25

STRUCTURE SCHEDULE

No.	TYPE	LOCATION	ELEVATION	REMARKS
I-8	A-10	STA. 8417.36 O/S 15R	452.78 (10)	STD. SD 4.02
I-9	A-10	STA. 8417.36 O/S 15L	452.78 (10)	STD. SD 4.02
I-10	R	N 83371.86 E 83601.71 (CL)	451.00 (THROAT)	STD. SD 4.12
I-11	R	N 83377.01 E 83601.76 (CL)	450.00 (THROAT)	STD. SD 4.12
HW-3	METAL END SECTION 15" CMP	N 83323.15 E 83610.44	-	STD. SD 5.61
HW-4	METAL END SECTION 15" CMP	N 83368.87 E 83600.41	-	STD. SD 5.61
ES-1	METAL END SECTION 15" CMP	N 83325.86 E 83600.42	-	STD. SD 5.61
ES-2	METAL END SECTION 15" CMP	N 83323.86 E 83600.61	-	STD. SD 5.61

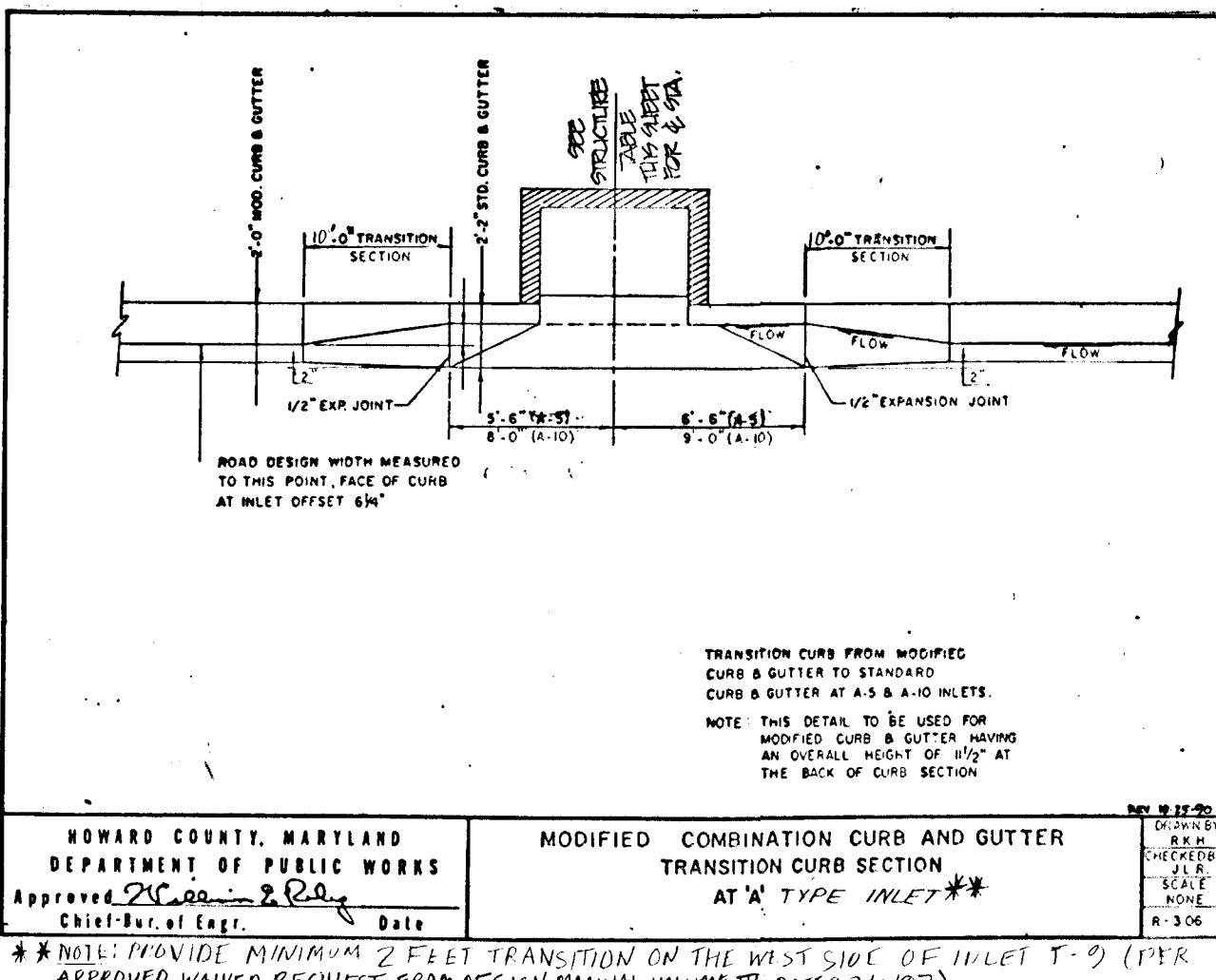
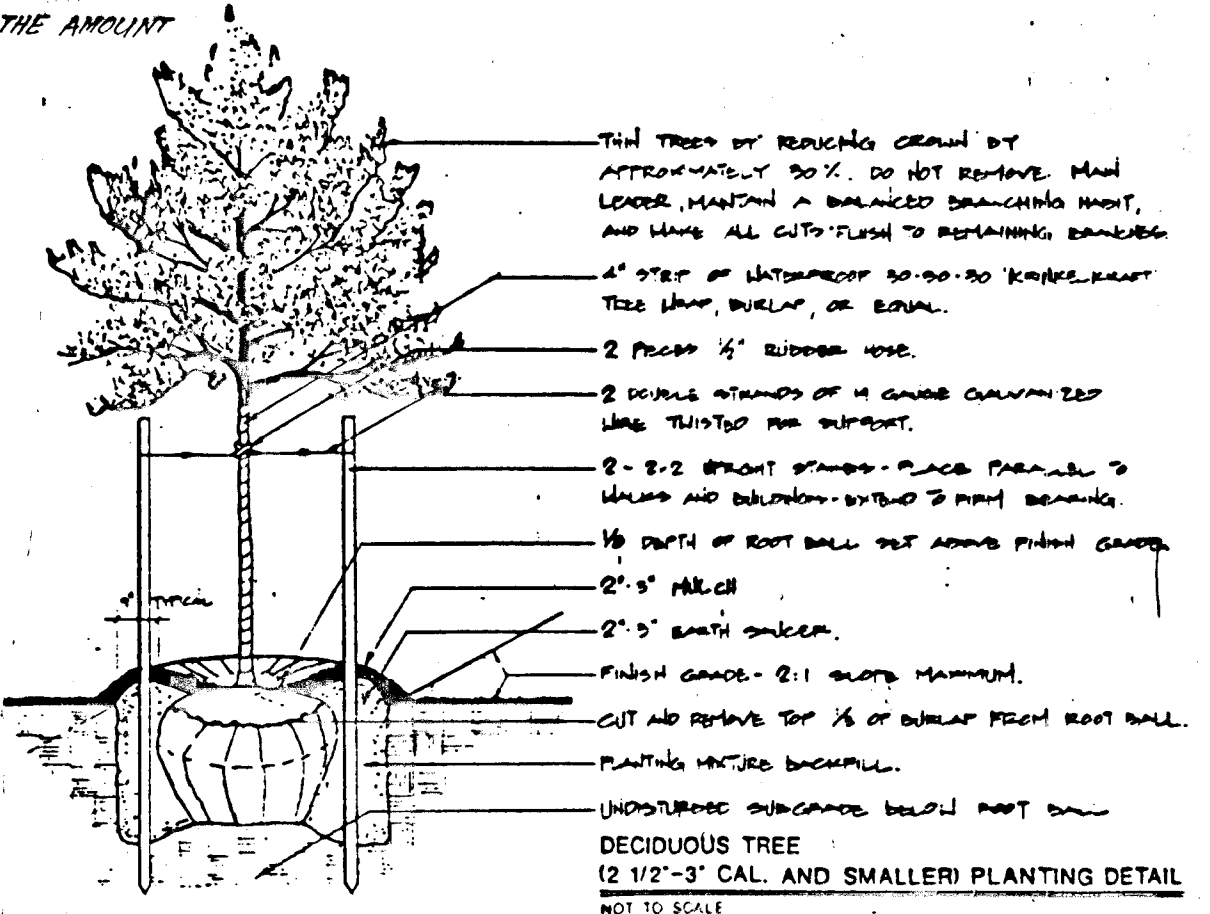


PROFILE
 VERT. SCALE: 1"=5'
 HORIZ. SCALE: 1"=50'
 (PRIVATE SYSTEM)



PROFILE
 VERT. SCALE: 1"=5'
 HORIZ. SCALE: 1"=50'
 (PRIVATE SYSTEM)

LANDSCAPING NOTES
 PERIMETER LANDSCAPED EDGES
 1. PERIMETER 1
 1,600 LF OF 9" TO PERIMETER PROPERTIES (TYPE A)
 (LOTS 30-59)
 1,400 LF OF EXISTING WOODS TO REMAIN
 110 LF BUFFER LENGTH
 1 SHADE TREE / 60 LF = 2 SHADE TREES REQUIRED
 2 ACER RUBRUM "SHAW MAPLE" PROVIDED
 2. THE DEVELOPER WILL BE RESPONSIBLE FOR PLANT INSTALLATION
 3. THE LANDSCAPE BOND SHALL BE INCLUDED IN THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$ 2600 FOR THE REQUIRED 26 LANDSCAPE TREES
 ... SCHEDULE A PERIMETER LANDSCAPE EDGE



Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Perimeter Edge	N/A	1
Landscape Type	N/A	A
Linear Feet of Roadway Frontage/Perimeter	N/A	1,600
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	N/A	YES WOODS 1,400
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	N/A	NO
Number of Plants Required		
Shade Trees		26
Evergreen Trees		0
Shrubs		0
Number of Plants Provided		
Shade Trees		2
Evergreen Trees		0
Other Trees (2:1 substitution)		0
Shrubs (10:1 substitution)		0
(Describe plant substitution credits below if needed)		

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 11/9/96
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 2/19/97
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 [Signature] 12/4/96
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 [Signature] 12/16/96
 NATURAL RESOURCE

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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 onsite inspection by the Howard County Soil Conservation District or their authorized agents, as or deemed necessary.
 [Signature] 11/21/96
 Signature of Developer Date

ENGINEER'S CERTIFICATE
 I hereby 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 County Soil Conservation District.
 [Signature] 1/22/96
 Robert M. Mochi, P.E. Date

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Project: 95016.13
 Date: 4-17-96
 Engineering: [Signature]
 Illustration: [Signature]
 Title: [Signature]
 Scale: 1" = 50'
 Date: 11/21/96

3/21/97
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 4/15/97
 4/16/97
 4/17/96

PHASE II
 TURF VALLEY PODS "D" & "P" O "E"
 ELECTION DISTRICT No. 2
 HOWARD COUNTY, MARYLAND
 GRADING AND SEDIMENT CONTROL & LANDSCAPING PLAN

R.M. MOCHI GROUP, P.C.
 3300 N. Ridge Road, Suite 235
 Ellicott City, MD 21030-1350
 (410) 461-0079
 Fax: (410) 750-0340

PERMANENT SEEDING NOTES

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

Seeding 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 on the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 500 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) before seeding.
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 80 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas.

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

TEMPORARY SEEDING NOTES

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

Seeding 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/1000 sf).

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf).

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas.

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not shown.

SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction.

2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control.

3. Following initial soil disturbances or redisturbances, permanent or temporary stabilization shall be completed within: a) 72 hours for placement of perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 5 calendar days as to all other disturbed or graded areas on the project site.

4. All disturbed areas must be stabilized within the time period specified above in accordance with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for Permanent Seeding (Sec. G-III) Sod (Sec. G-IV), Temporary Seeding (Sec. G-II) and Mulching (Sec. G-I).

5. 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.

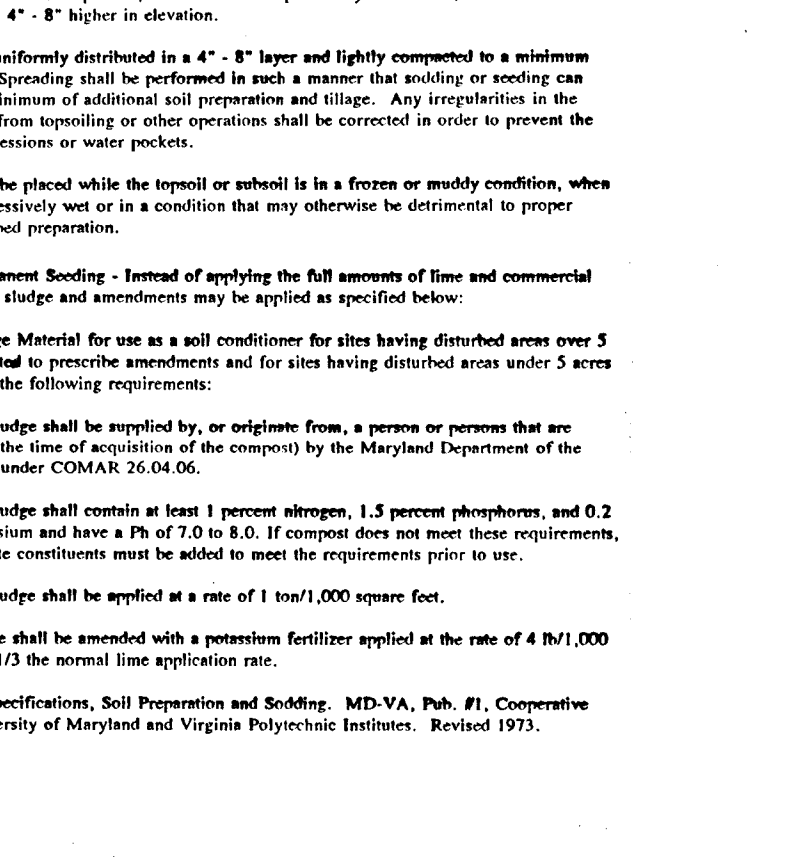
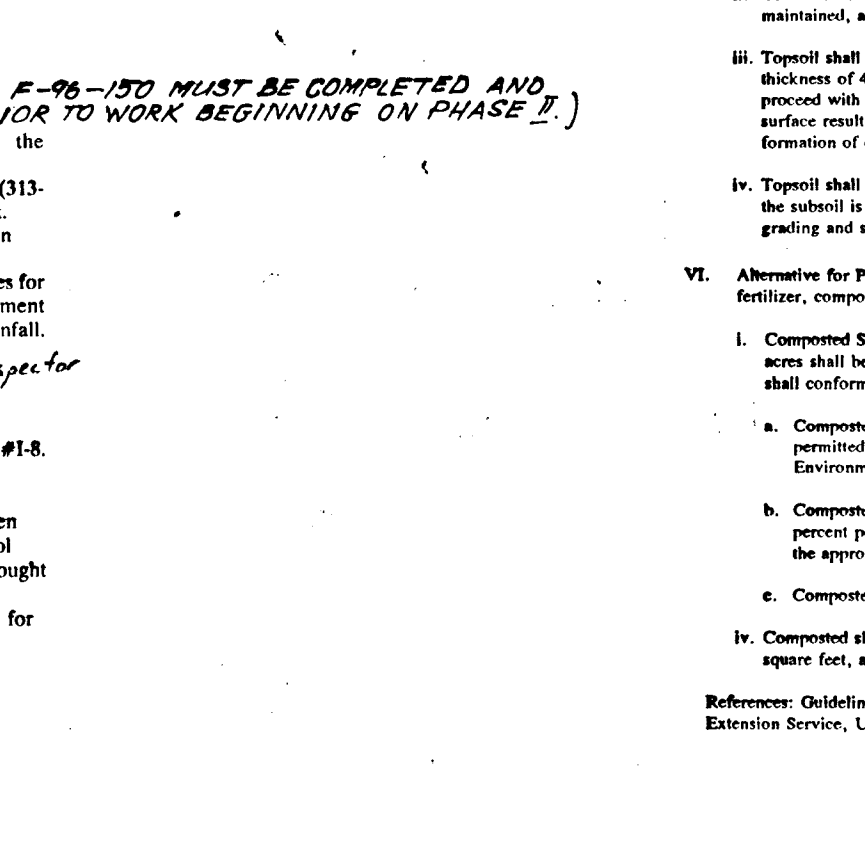
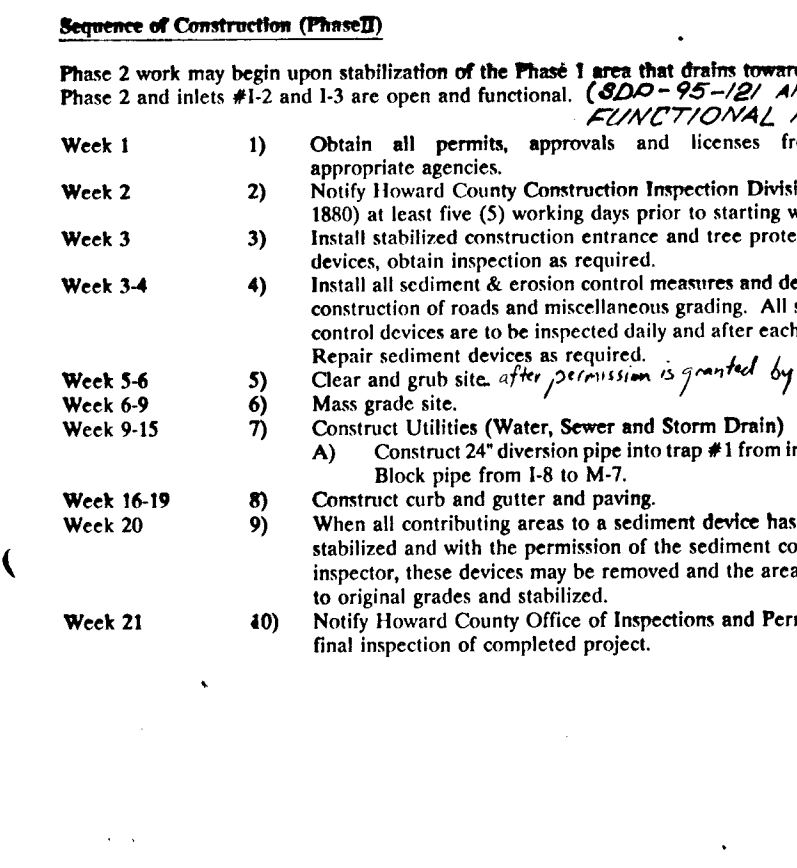
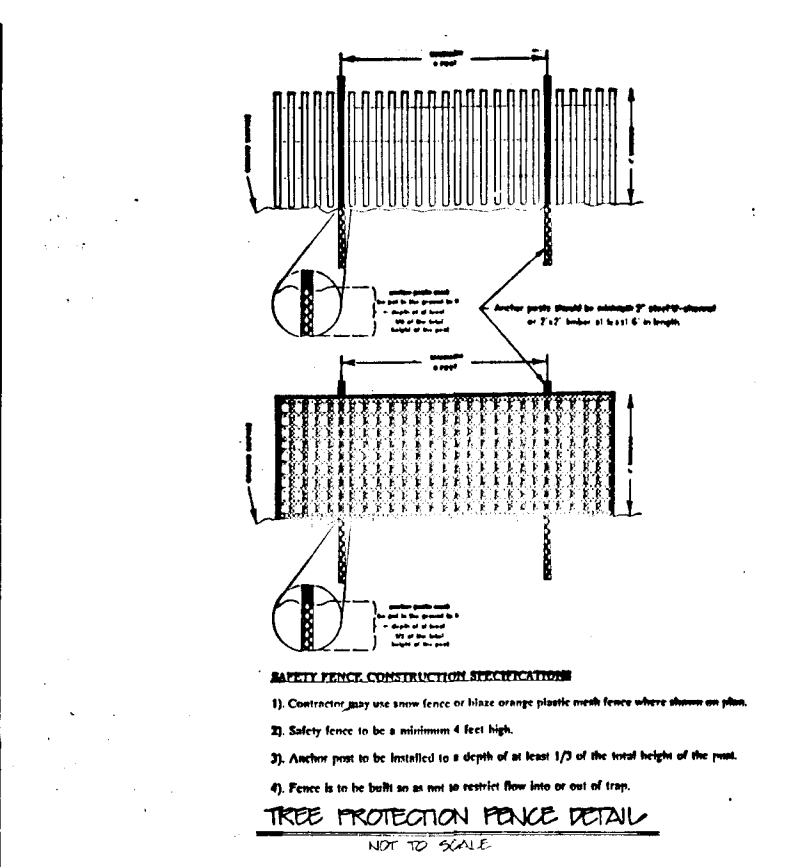
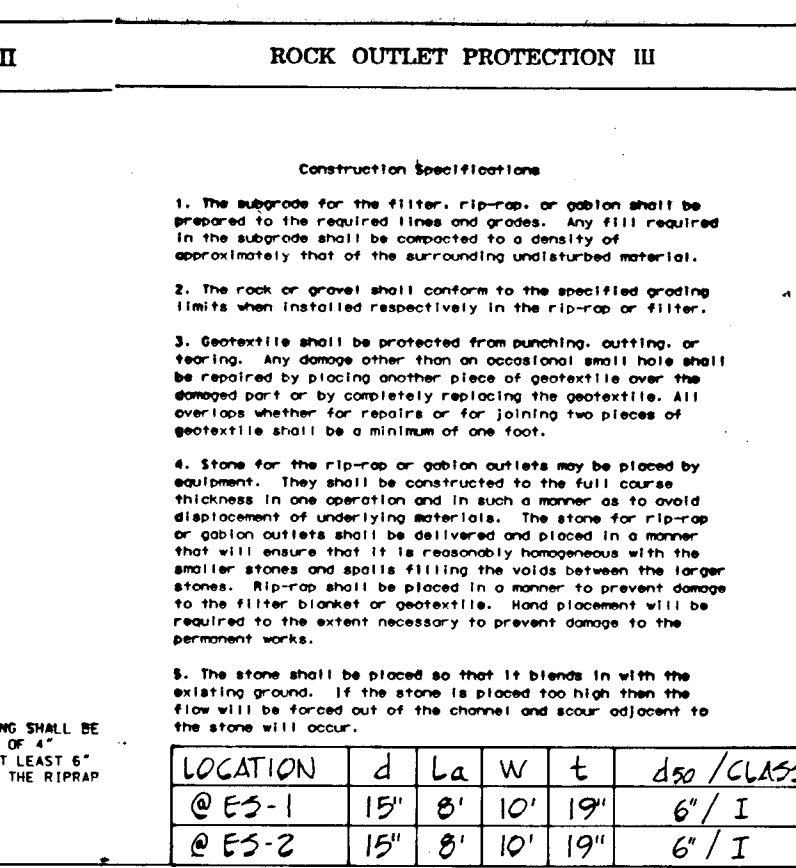
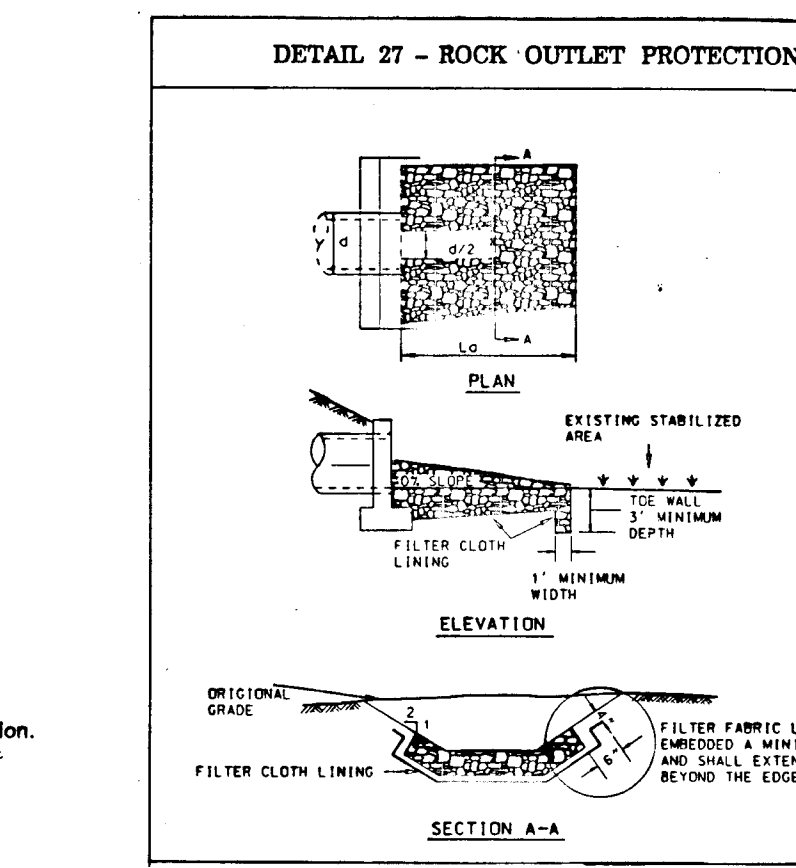
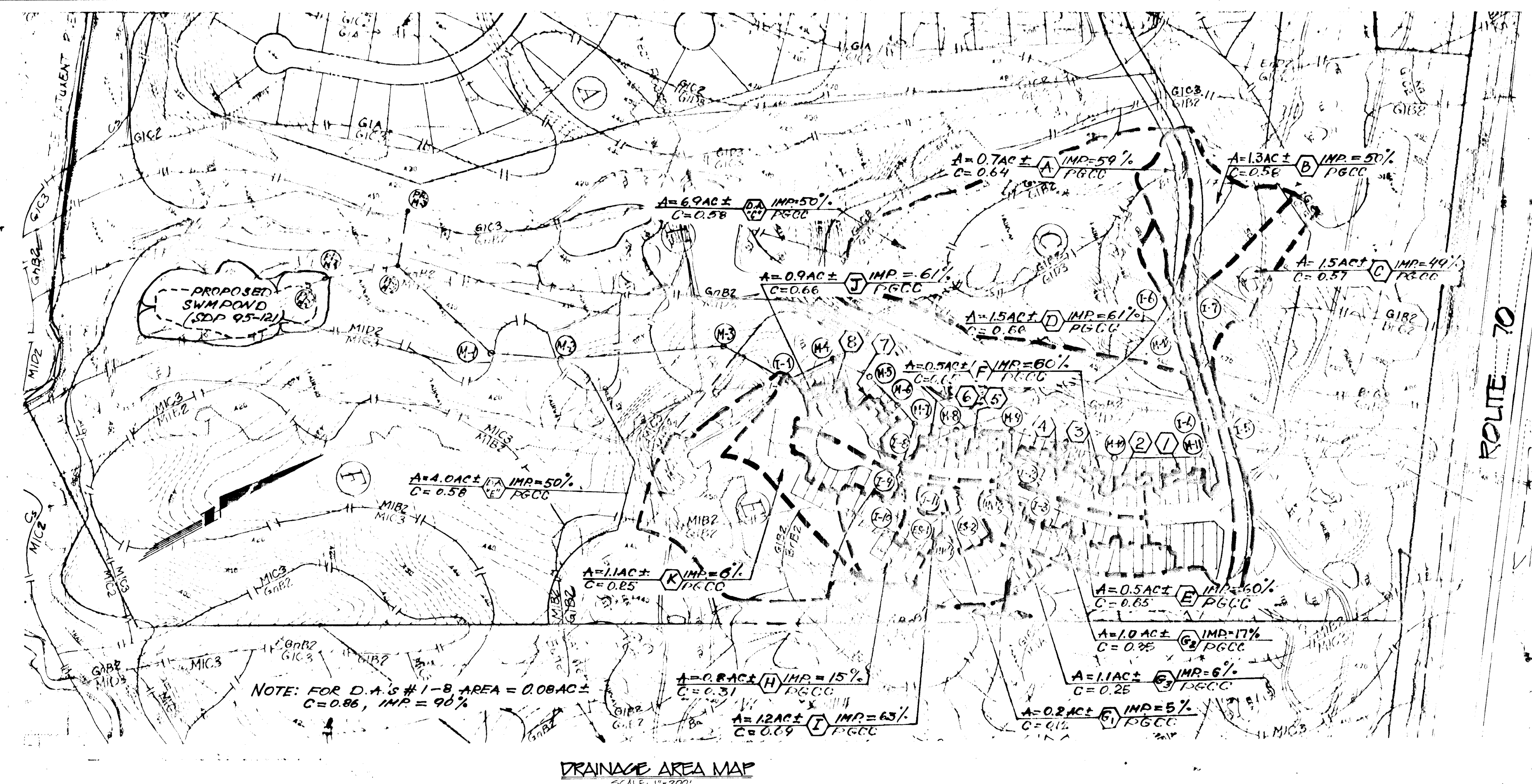
6. Site Analysis: Total Area of Site: 4.2 AC. Area to be Disturbed: 2.5 AC. Area to be vegetatively stabilized: 2.9 AC. TOTAL CUT: 1000 CY. TOTAL FILL: 7190 CY.

7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

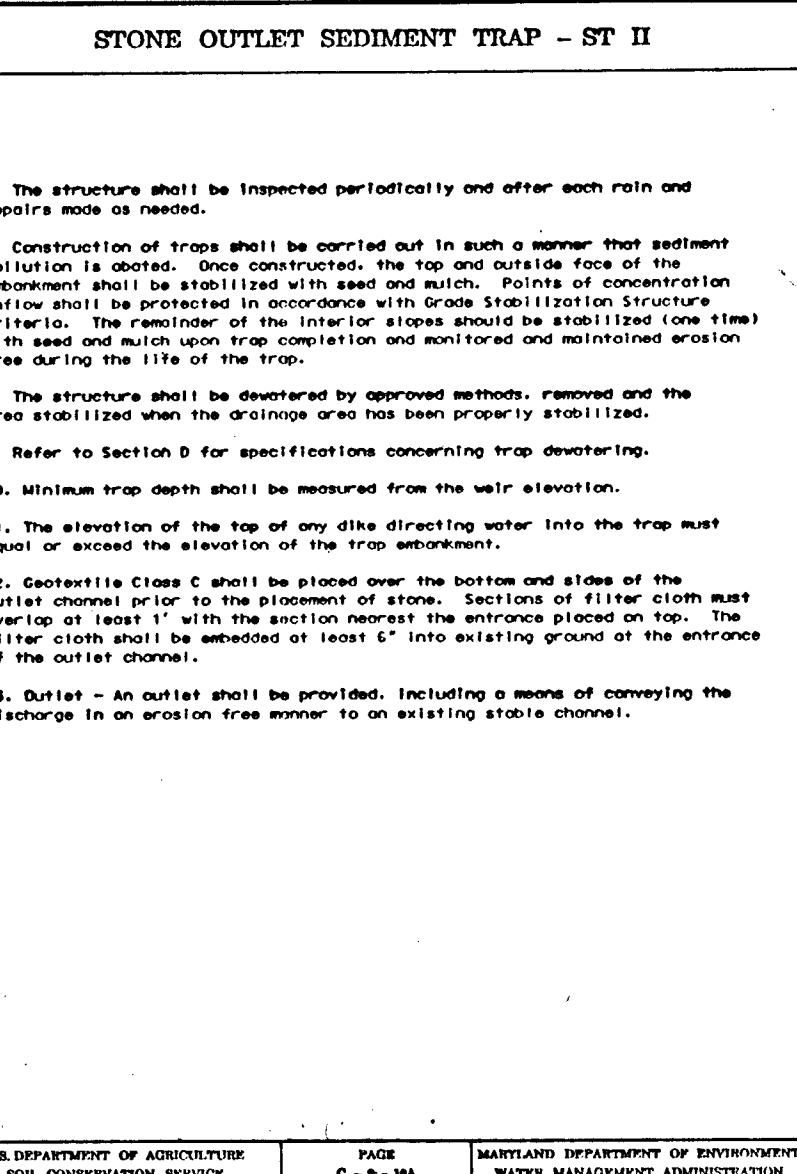
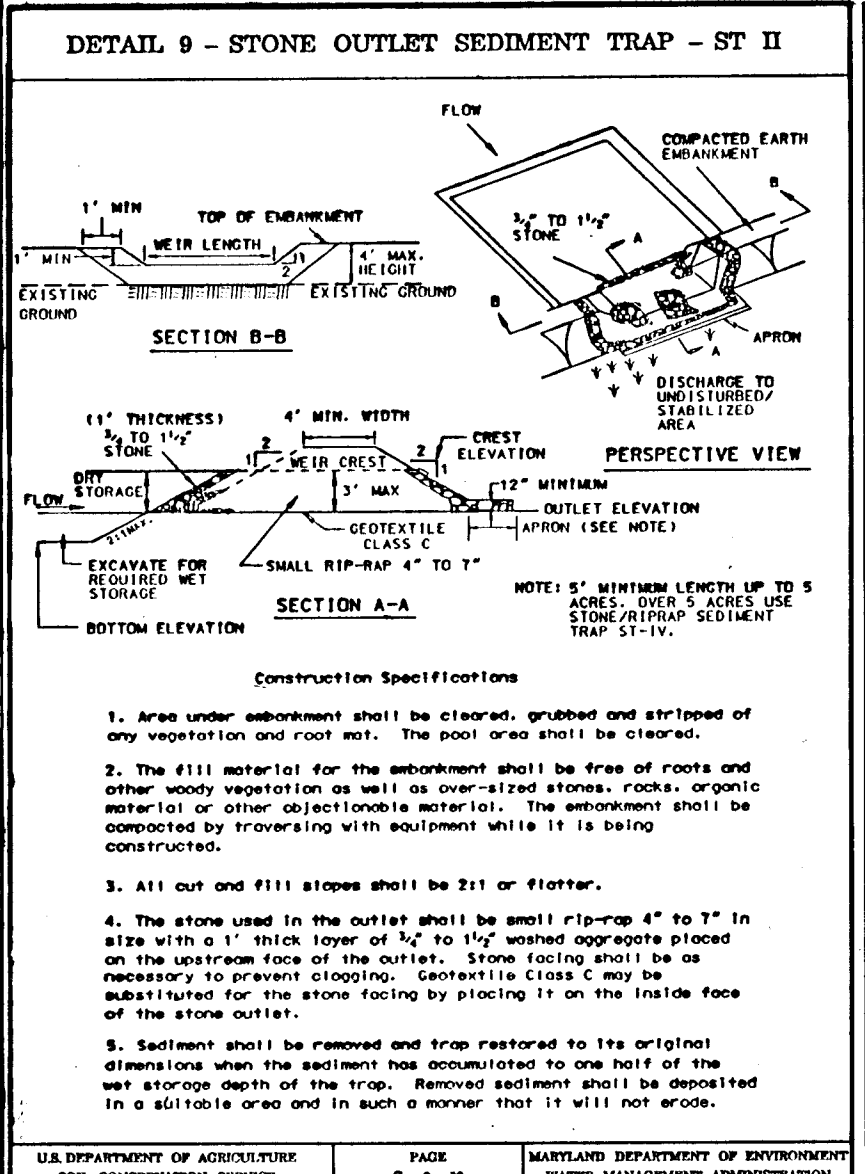
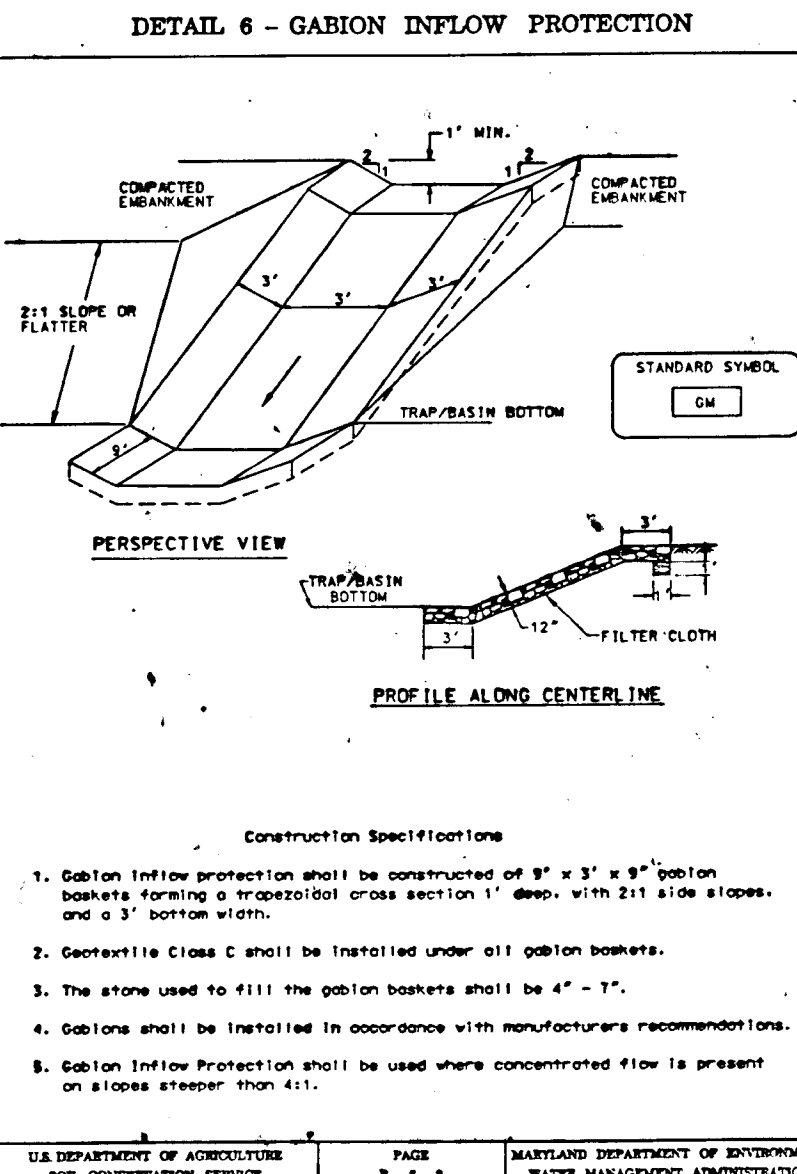
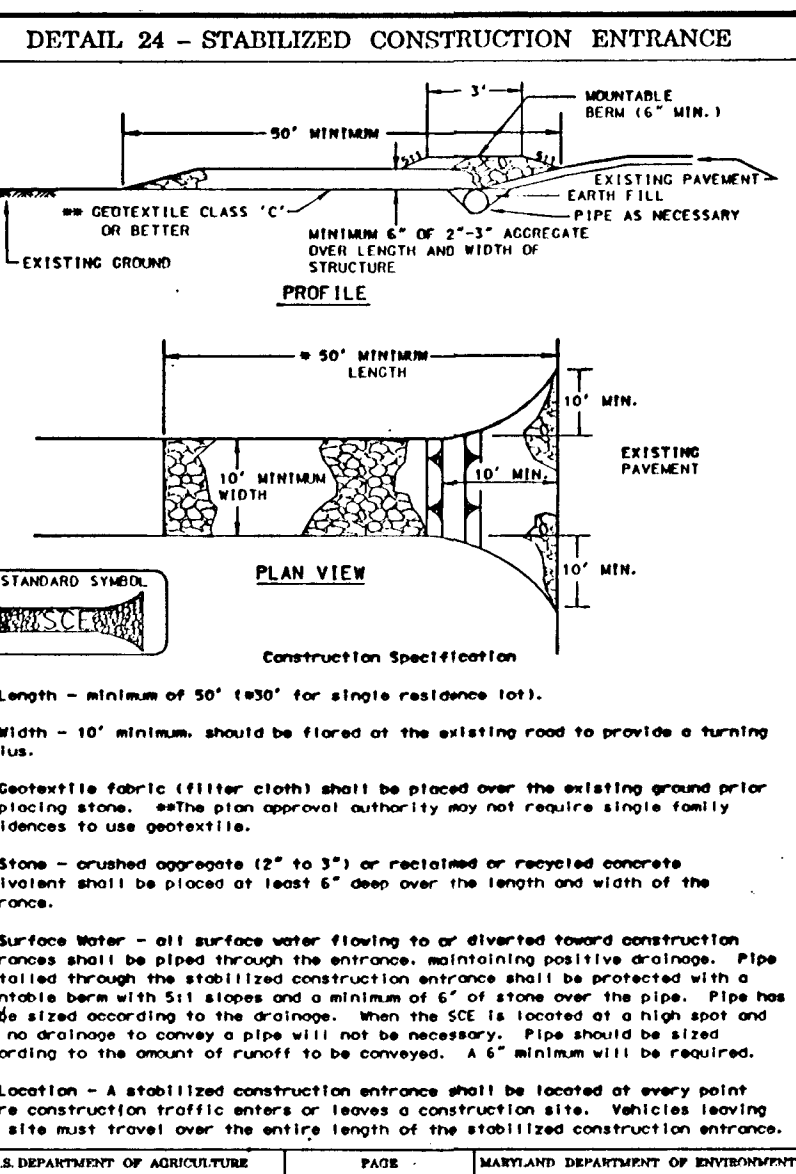
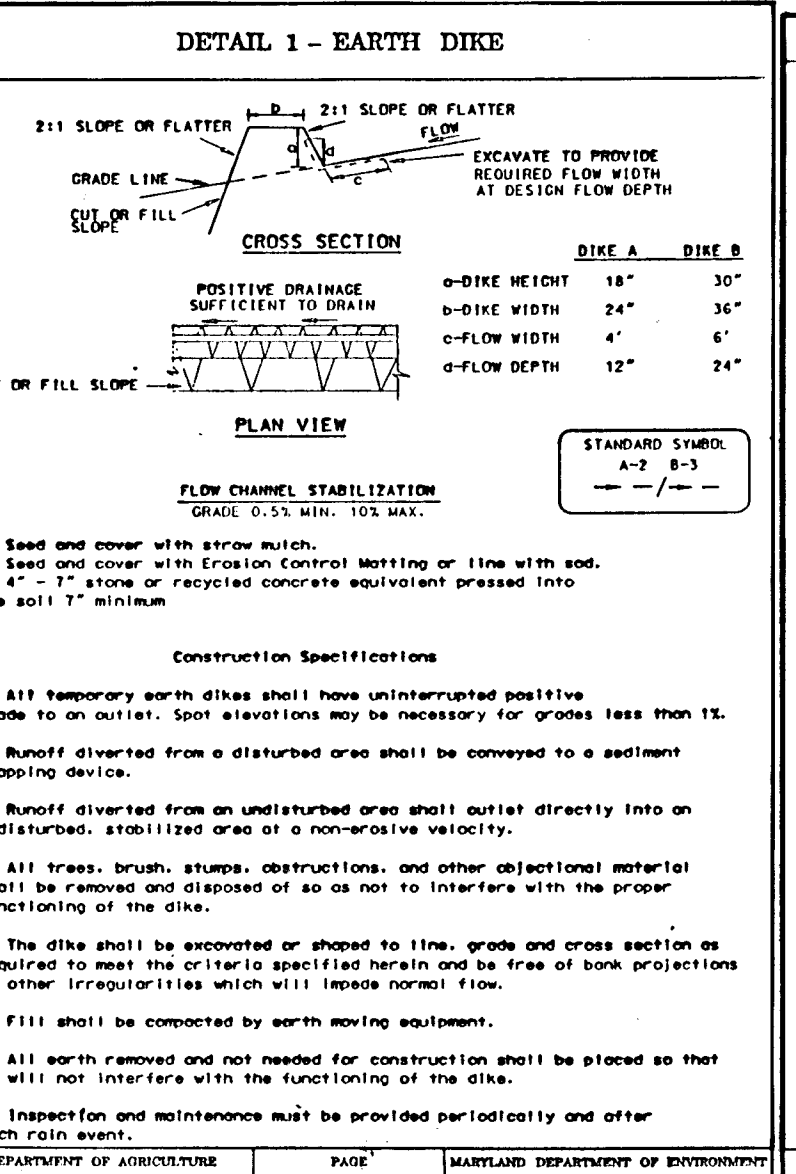
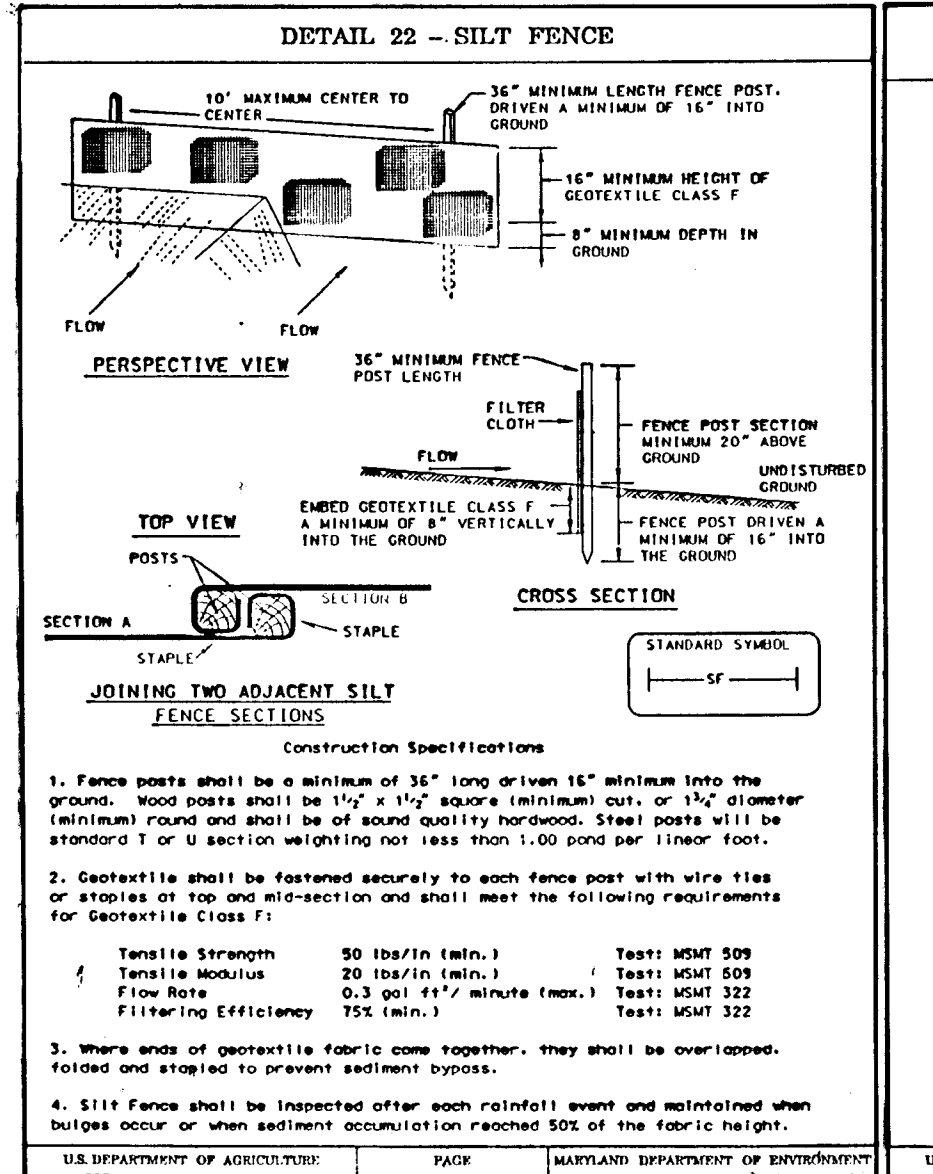
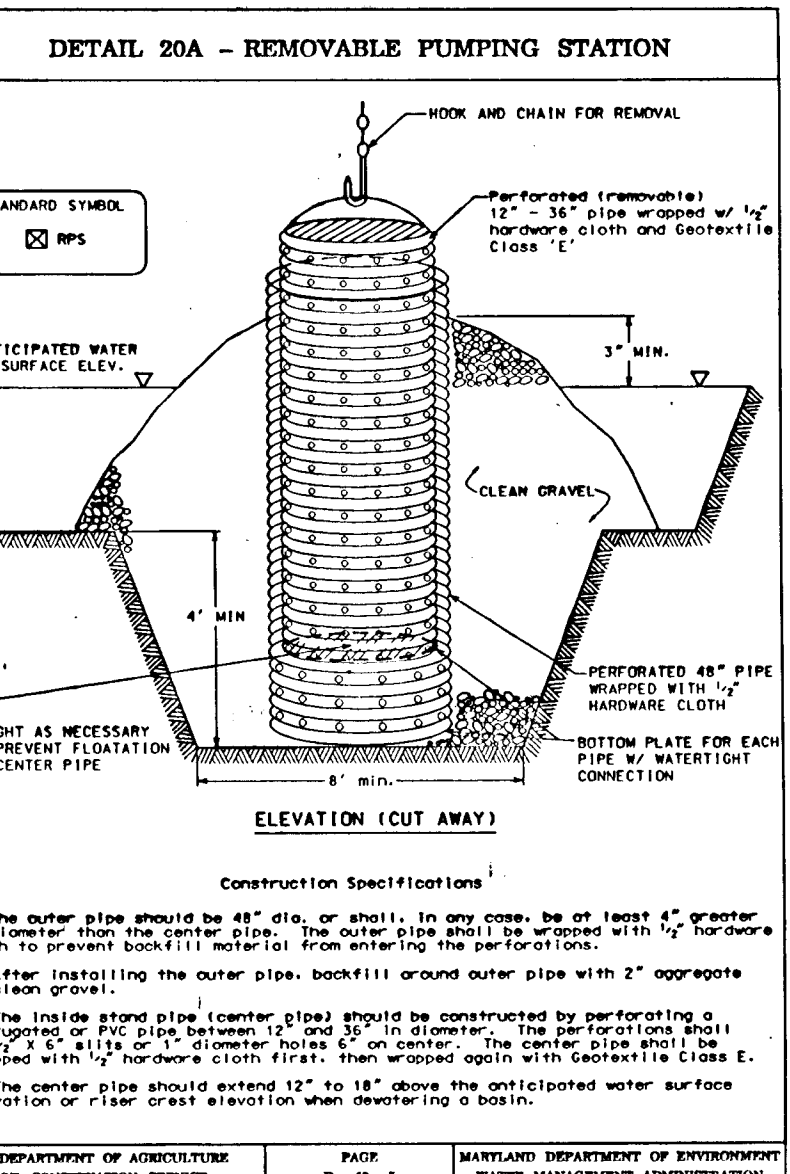
8. Additional sediment controls may be provided, if deemed necessary by the Howard County DLP Sediment Control Inspector.

9. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.

10. OFF-SITE WASTE/BORROW AREA: ALL EXCESS MATERIAL SHALL BE TRANSPORTED TO A SUITABLE SPILL SITE WITH APPROPRIATE SEDIMENT CONTROL MEASURES AS REQUIRED.



Sequence of Construction (Phase II)
Phase 2 work may begin upon stabilization of the Phase 1 area that drains towards Phase 2 and inlets #1-2 and 1-3 are open and functional.
Week 1: Obtain all permits, approvals and licenses from the appropriate agencies.
Week 2: Notify Howard County Construction Inspection Division (G13-1880) at least five (5) working days prior to starting work.
Week 3: Install stabilized construction entrance and tree protection devices. Obtain inspection as required.
Week 3-4: Install all sediment & erosion control measures and devices for construction of roads and miscellaneous grading. All sediment control devices are to be inspected daily and after each rainfall. Repair sediment devices as required.
Week 5-6: Clear and grub site. After preparation is completed by inspector.
Week 6-9: Mass grade site.
Week 9-15: Construct Utilities (Water, Sewer and Storm Drain).
Week 16-19: Construct curb and gutter and paving.
Week 20: When all contributing areas to a sediment device have been stabilized and with the permission of the sediment control inspector, these devices may be removed and the area brought to original grades and stabilized.
Week 21: Notify Howard County Office of Inspections and Permits for final inspection of completed project.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Chief, Bureau of Highways. Date: 10/2/96.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING. Chief, Development Engineering Division. Date: 8/19/97.

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. Date: 12/19/96.

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS. Date: 12/19/96.

DEVELOPER'S CERTIFICATE. I/We certify that all development and construction will be done accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this 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. Date: 11/21/96.

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 the site conditions and that it was prepared in accordance with the requirements of the Howard County Soil Conservation District. Date: 11/29/96.

Vertical sidebar containing project information (95016-13), drawing title (TURF VALLEY PODS 'D' & 'P' O' 'E'), and various approval stamps and signatures.

2665