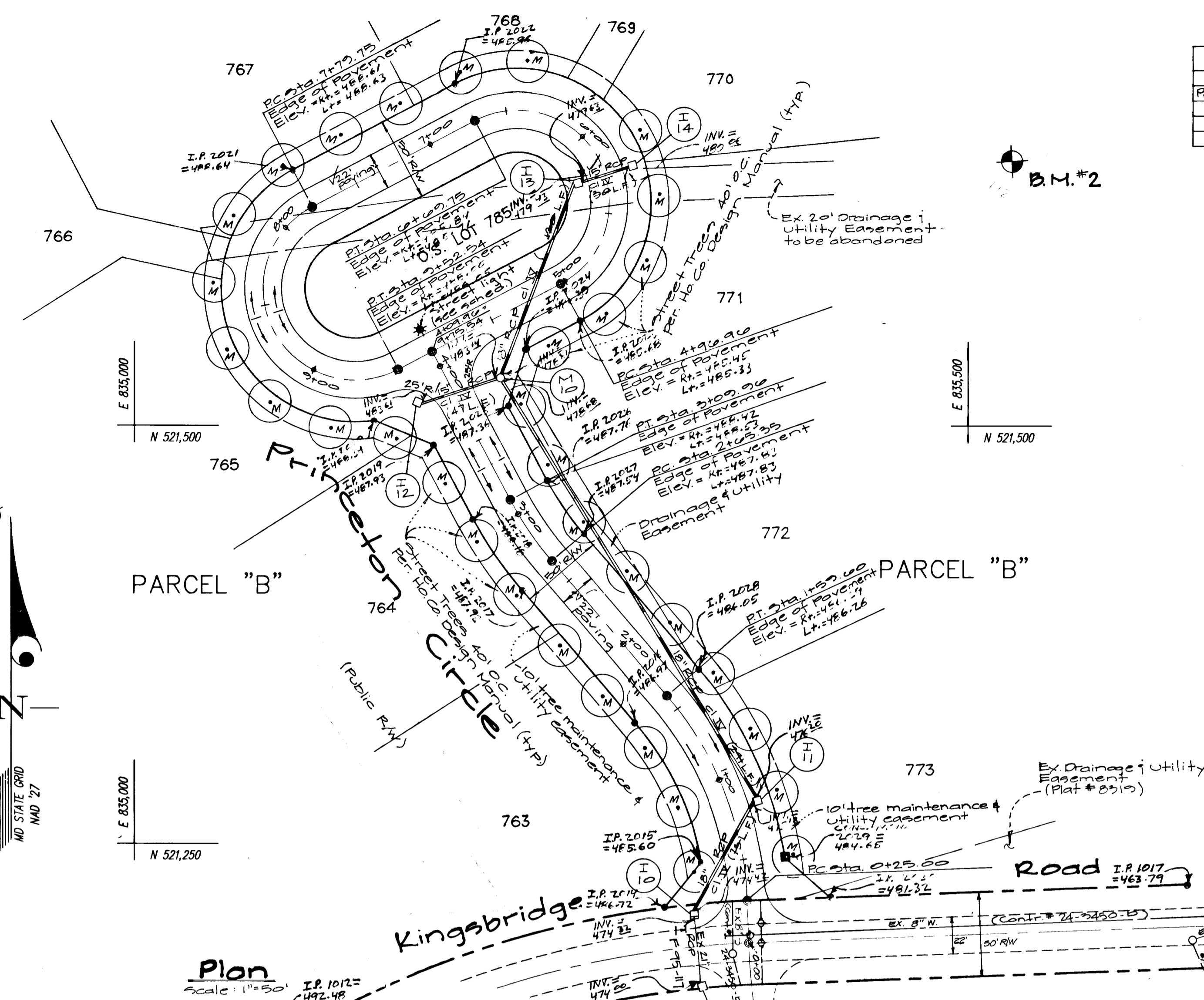


**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS WSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST (5) FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THE PLANS.
  - MESS UTILITY 1-800-257-7777
  - CAP TELEPHONE COMPANY 725-9976
  - HOWARD COUNTY BUREAU OF UTILITIES 313-4900
  - AT&T CABLE LOCATION DIVISION 393-3553
  - BALTIMORE GAS & ELECTRIC CO. 685-0123
  - STATE HIGHWAY ADMINISTRATION 531-5533
- PROJECT BACKGROUND:**
  - LOCATION: KINGSBRIDGE ROAD, 1000' WEST OF BRECONSHIRE ROAD.
  - TAX MAP: 23 LOTS 763-773 & 785 ZONING: R-20
  - TOTAL TRACT AREA: 11 BUILDABLE, 1 OPEN SPACE
  - PREVIOUS DPZ REFERENCES: S 52-76, P 52-100, P 52-124, P 52-201, P 71-17, P 74-75, P 75-02, P 75-02, P 75-17, P 96-04
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- TOPOGRAPHY SHOWN IS AT TWO FOOT CONTOUR INTERVALS AND WAS DETERMINED BY PHOTOGRAMMETRIC DATA SERVICES THE SURVEY WAS DONE USING AERIAL PHOTOGRAPHY ON 4/19/94.
- HORIZONTAL AND VERTICAL CONTROLS WERE ESTABLISHED USING HOWARD COUNTY CONTROL POINTS 230-40001 AND 231-40002.
- LIGHT POLES AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY DESIGN MANUAL, VOLUME 4, ROADS AND BRIDGES.
- WATER AND SEWER FOR THIS PROJECT IS PUBLIC AND WILL BE CONSTRUCTED UNDER CONTRACT NUMBER 24- THE SYSTEM IS WITHIN THE LITTLE PATIENT DRAINAGE AREA.
- STORMWATER MANAGEMENT PROVIDED BY ON SITE FACILITY, OPEN SPACE LOT 784 (P-95-117).
- THERE IS NO FLOODPLAIN EASEMENT WHICH IMPACTS THE LOTS UNDER THIS SUBMISSION.
- WETLANDS DELINEATION WAS PERFORMED BY EXPLORATION RESEARCH, INC. ON 5/25/94.
- A TRAFFIC STUDY WAS PERFORMED BY THE TRAFFIC GROUP, INC. ON 2/1/94.
- A NOISE STUDY WAS NOT REQUIRED FOR THIS SUBDIVISION.
- A GEOTECHNICAL REPORT WAS PREPARED BY HILLIS-CARNES ENGINEERING ASSOC., INC. ON 7/19/94.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM BEST AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF CONSTRUCTION. ANY DISCREPANCIES MUST BE COMMUNICATED TO THE ENGINEER FOR POSSIBLE RE-DESIGN.
- ALL PIPE ELEVATIONS SHOWN ARE INVERTS.

CURVE DATA									
STREET NAME	P.C. STA.	P.C.C. STA.	P.T. STA.	RADIUS	ARC	TANGENT	CHORD	BEARING	DELTA
Princeton Circle	0+25.00	none	1+59.60	200.00'	134.60'	69.96'	132.08'	N 21°23'25" W	38°33'39"
"	2+65.35	none	3+09.96	200.00'	44.61'	22.40'	44.52'	N 34°16'48" W	12°46'52"
"	4+126.96	none	6+147.75	55.00'	172.79'	---	110.00'	N 27°53'22" W	180°00'00"
"	7+171.75	none	9+52.54	55.00'	172.79'	---	110.00'	S 27°53'22" E	180°00'00"



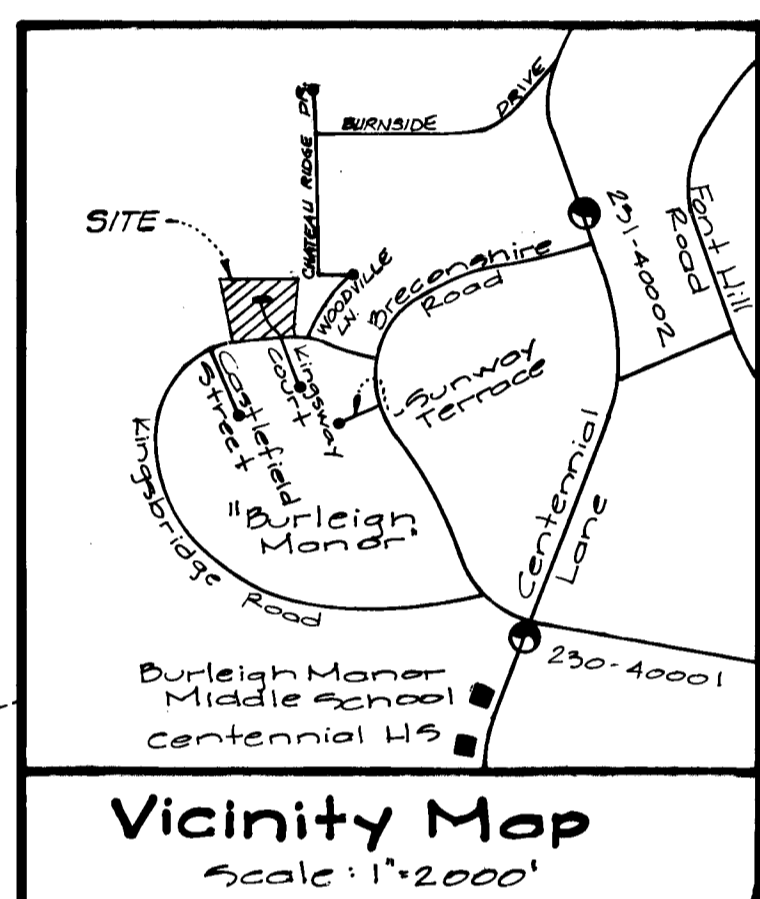
**Benchmarks**

- B.M.#1 - Traverse Sta. 9+1 1/2 rebar with "TRAY" cap. Elev. = 509.33
- B.M.#2 - Traverse Sta. 9+2 1/2 rebar with "TRAY" cap. Elev. = 414.02

STREET TREE SCHEDULE				
SYMBOL	NAME (BOTANICAL/COMMON)	SIZE	QUANTITY	REMARKS
M	ACER SACHARUM - GREEN MOUNTAIN SUGAR MAPLE	2 1/2" CAL.	30	8'8" HEAVYHEAD

**Street Light Placement Note:** A 20' min distance shall be maintained between any trees and a light and 5' min between a fire hydrant and a light. For open section roads the street light shall be placed 5' from edge of roadway.

STREET LIGHT SCHEDULE			
LOCATION	LAMP TYPE	MOUNTING	POLE TYPE
4+10 15' Left	100 Watt High Pressure Sodium Vapor	Post Top Traditional	4' black Fiberglass



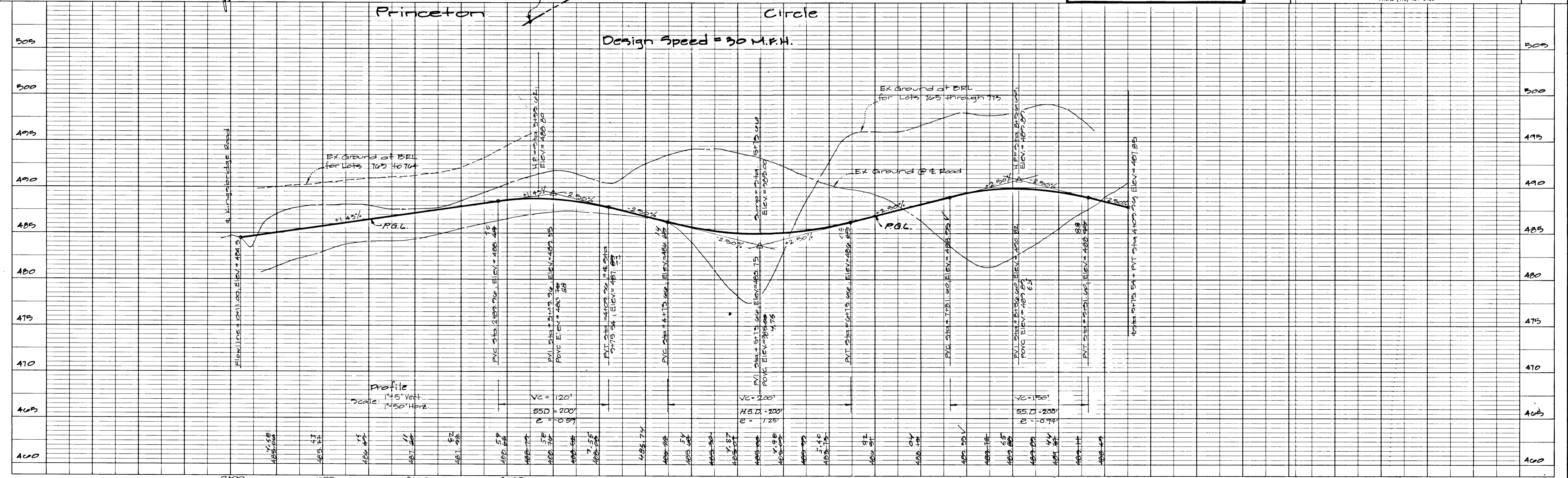
**GLW GUTSCHICK LITTLE & WEBER, P.A.**  
 CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866  
 TEL: (301) 421-4024 BALT.: (410) 880-1820 NO.VA. (301) 989-2524 FAX: (301) 421-4186

DESIGNED DEV	ROAD CONSTRUCTION PLANS <b>KINGSBRIDGE @ BURLEIGH MANOR</b> LOTS 763-778 & 785 A RESUBDIVISION OF PARCELS 4428 ELLCOTT CITY ELECTION DISTRICT No. 2 HOWARD COUNTY, MARYLAND	SCALE	1"=50'
DRAWN CAD/MCF		DRAWING	1 OF 5
CHECKED DEV	OWNER GREENBAUM & ROSE ASSOC., INC. 1829 REISTERSTOWN ROAD SUITE 410, WOODHOLME CENTER BALTIMORE, MARYLAND 21208 PHONE (410) 484-8400	ZONING	R-20
DATE	JUNE 1996 NOV. 1997	JOB No.	94008

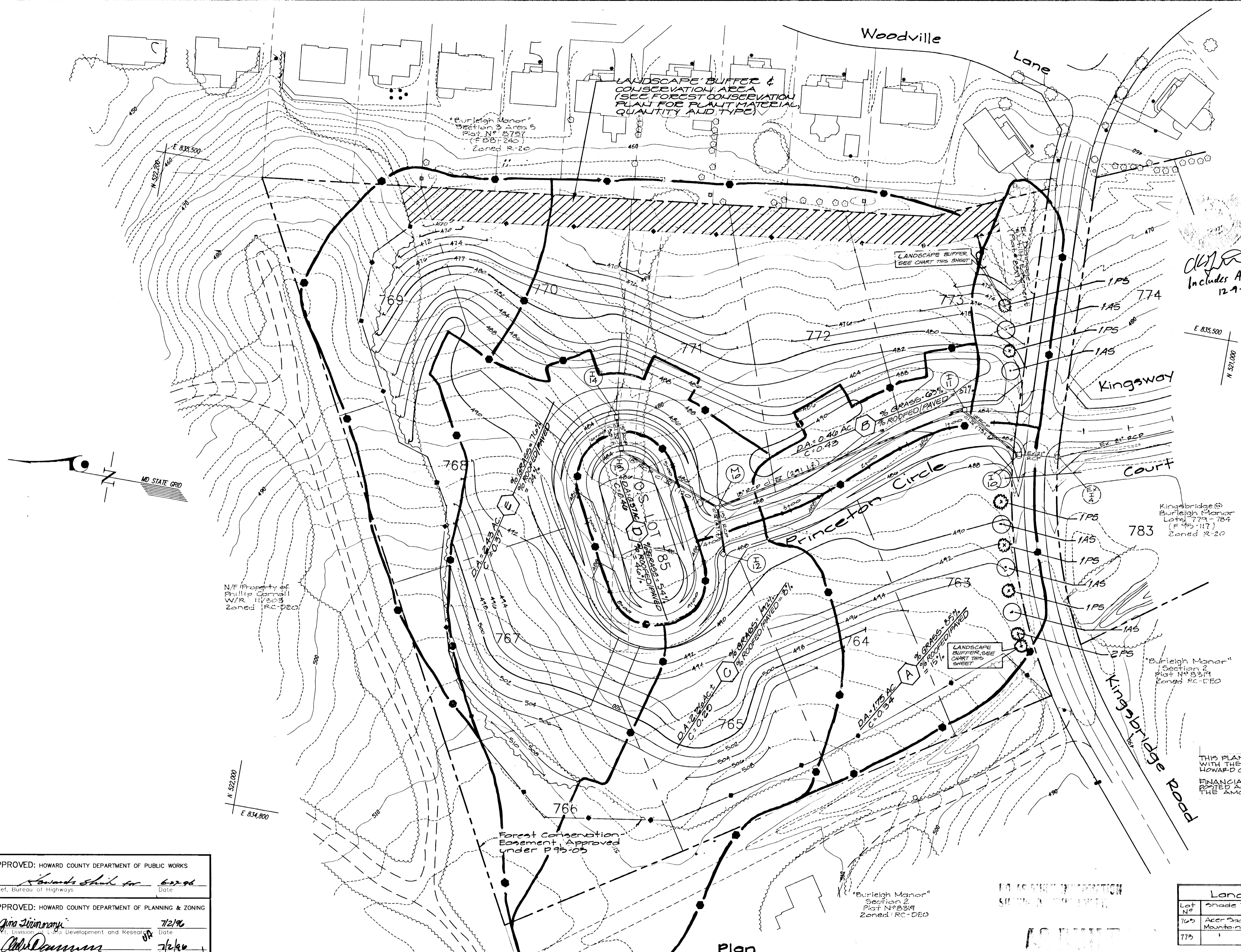
Approved: Howard County Dept. of Public Works  
*Howard Schilf* for 6/27/96 Date  
 Chief, Bureau of Highway

Approved: Howard County Dept. of Planning & Zoning  
*Arnel J. Jannarone* for 7/2/96 Date  
 Chief, Div. of Land Development & Research

*Colin DeMunnis* for 7/2/96 Date  
 Chief, Development Engineering Div.



721



*Includes As-Built*  
12-9-97

**Legend**

- Existing Contour ----- 416 -----
- Proposed Contour ----- 418 -----
- Existing Treeline ~~~~~
- Proposed Treeline ~~~~~
- Storm Drain Drainage Divide -----
- Forest Conservation Easement (ultimate permitted 4.0 D During House Construction)

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 10.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE OPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$1,500.

**NOTE:** THE LANDSCAPE EDGES ON LOT 784 AND PARCEL 'A' ARE SHOWN ON THE FOREST CONSERVATION PLAN.

Landscape Buffer Tree Types			
Lot No.	Shade Trees - Symbol	Evergreen Trees - Symbol	Quantity
785	Acer Saccharum - Green Mountain Sugar Maple	Pinus Strobus - Eastern White Pine	4 5
775			2 2

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Edwards* 6/22/96  
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*Gina* 7/2/96  
 Chief, Division of Land Development and Research Date

*Chick* 7/2/96  
 Chief, Development Engineering Division Date

**GW GUTSCHICK LITTLE & WEBER, P.A.**  
 CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20886  
 TEL: (301) 421-4024 NO. VA: (301) 989-2524 BALT: (410) 880-1820 FAX: (301) 421-4186

NO.	DATE	REV.	BY	APP'R.
10-28-96		REV FOREST CONSERV. PLANTING LOCATION & REV FOREST CONSERV. EASMT	HLJ	
		REVISION		

PREPARED FOR:  
 GREENEBAUM & ROSE ASSOC., INC.  
 1829 REISTERSTOWN ROAD  
 SUITE 410, WOODHOLME CENTER  
 BALTIMORE, MARYLAND 21208  
 PHONE (410) 484-8400

Drainage Area Delineations, Mass Grading & Landscaping Plan  
**KINGSBRIDGE @ BURLEIGH MANOR**  
 LOTS 763-778 & 785  
 A RESUBDIVISION OF PARCELS 'A' & 'B'  
 ELLICOTT CITY ELECTION DISTRICT No. 2  
 HOWARD COUNTY, MARYLAND

SCALE 1" = 50'	ZONING R-20	G. L. W. FILE No. 94008
DATE JUNE 1996 NOV. 1997	TAX MAP No. 23	SHEET 2 OF 5



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 Soil Conservation District.

*CK J...* 12-20-95  
 Date

DEVELOPER'S/BUILDER'S CERTIFICATE  
 I/we certify that all development and/or 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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD.

*M. D. G...* 3-27-96  
 Signature of Developer/Builder Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

*J. A. W...* 6/26/96  
 Natural Resources Conservation Service Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

*John R. Roberts* 6/26/96  
 Howard S.C.D. Date

**Legend**

Existing Contour	-----A16
Proposed Contour	-----A16
Existing Treeline	~~~~~
Proposed Treeline	~~~~~
Forest Conservation Easement (Ultimate Permitted L.O.D. during House construction)	-----
Super Silt Fence	---SSF---
Silt Fence	---SF---
Stone Construction Entrance	---SCE---
Earth Dike	---E.D.---
Limit of Disturbance	---L.O.D.---
Inlet Protection	---I.P.---
Tree Protection Fence	---TPF---
Prop. Orange Area	---O.A.---
Ex. Drainage Area	---D.A.---

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Howard...* 6/22/96  
 Chief, Bureau of Highways Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
*Gina...* 7/2/96  
 Chief, Bureau of Planning and Research Date

*John...* 7/2/96  
 Chief, Bureau of Planning and Research Date

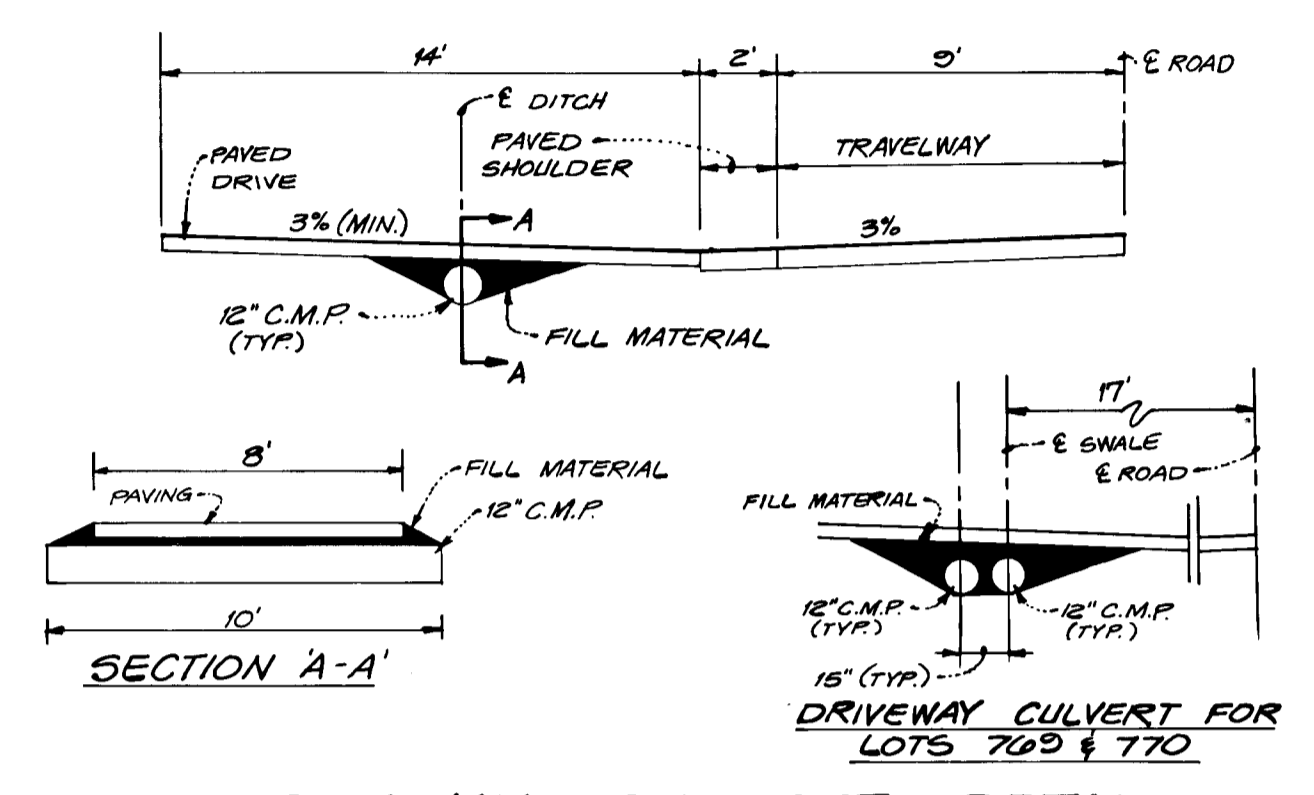
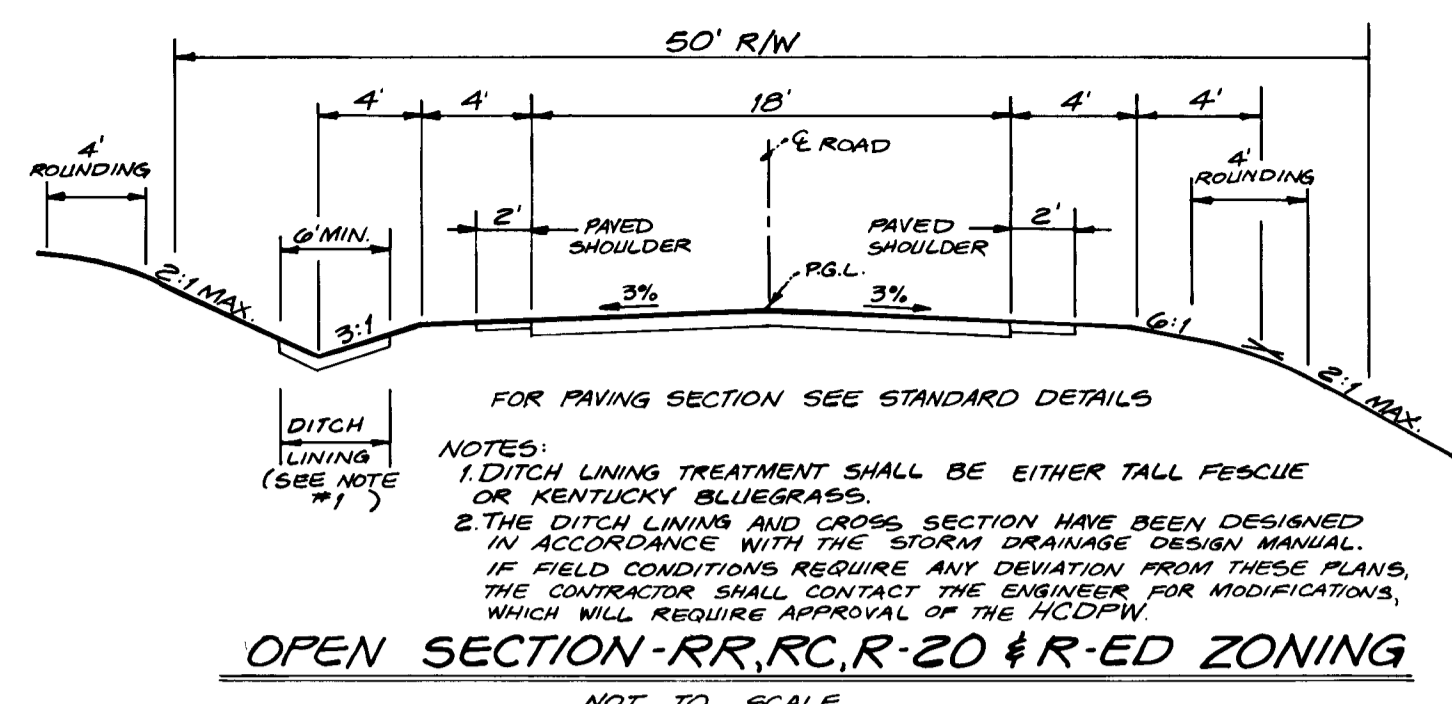
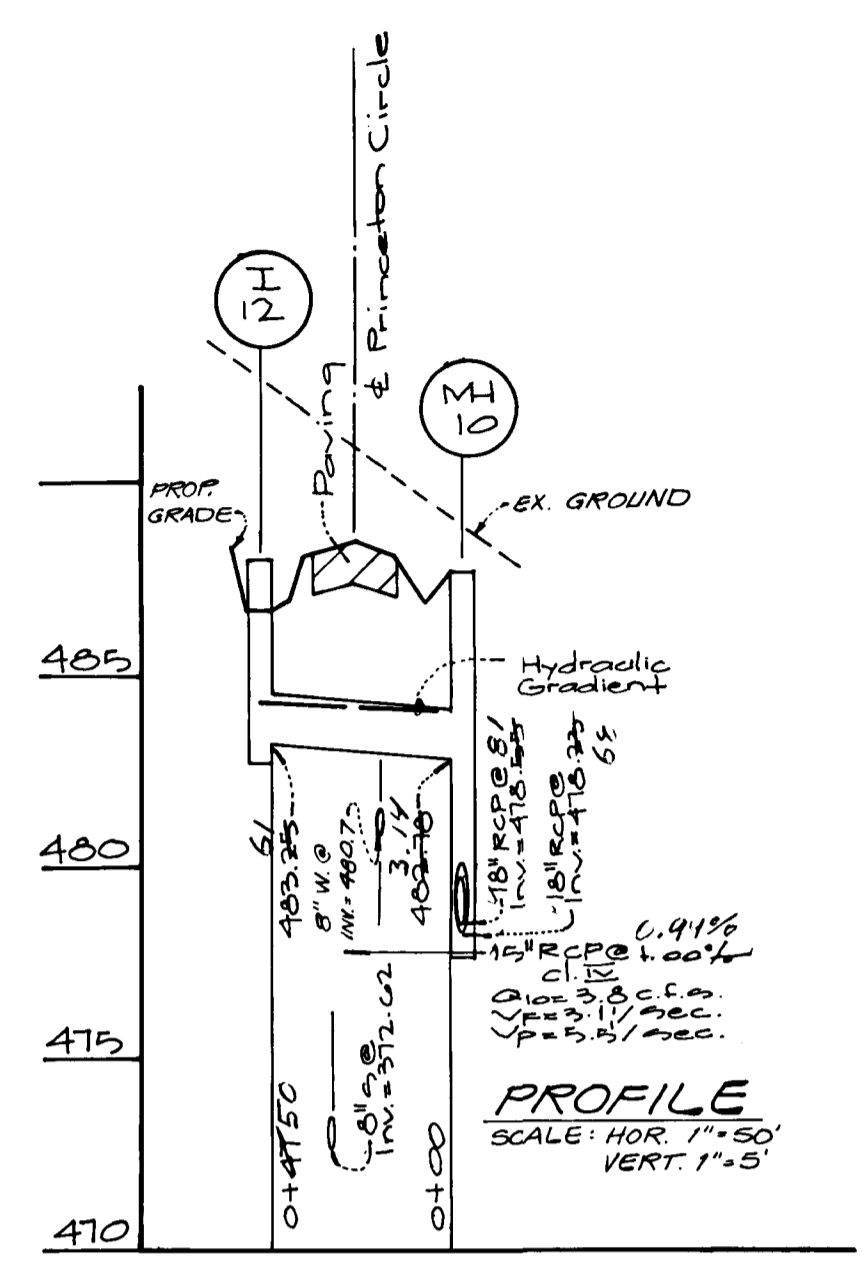
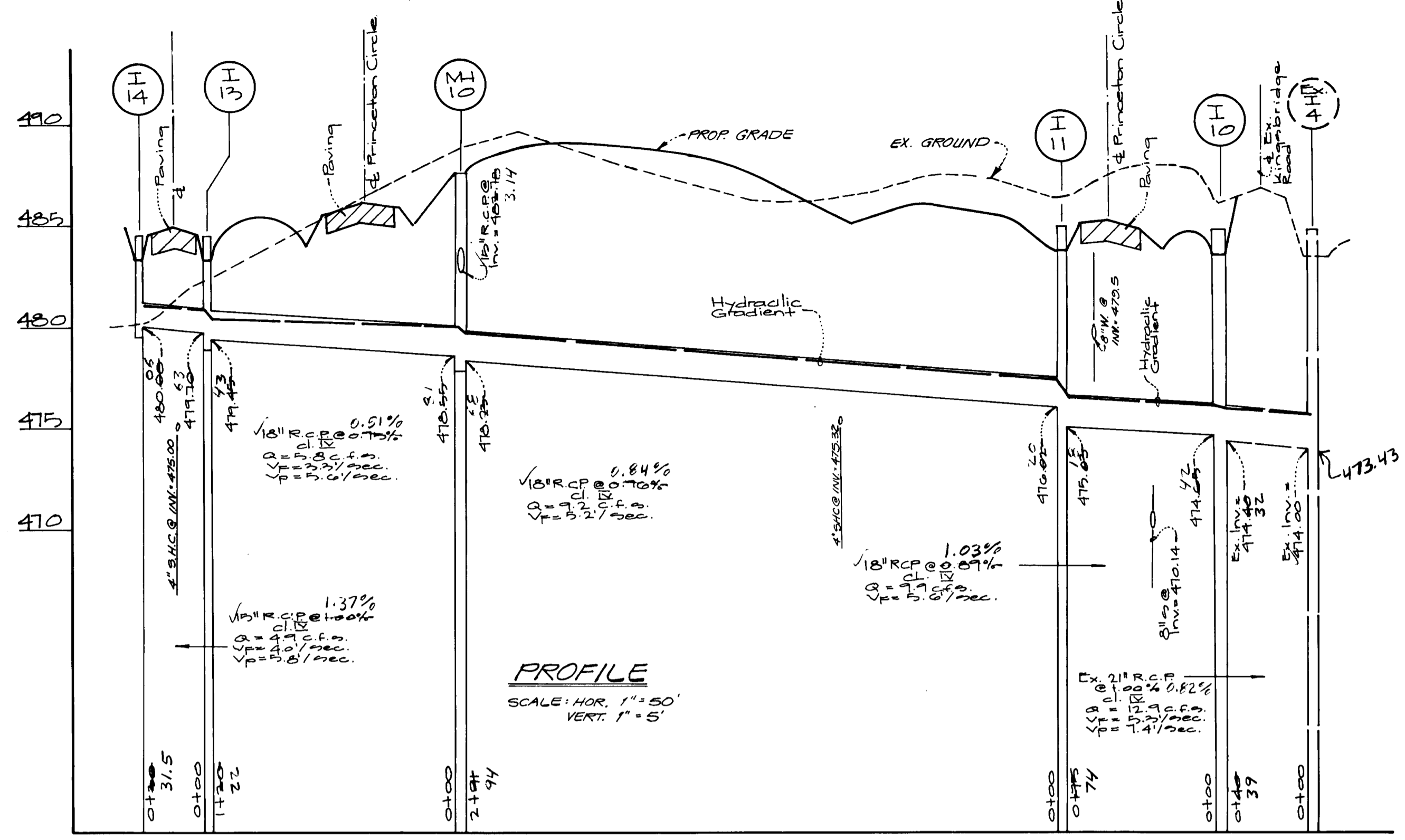
**GLW GUTSCHICK LITTLE & WEBER, P.A.**  
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NO.	DATE	REVISION	BY	APP'R.
10-28-96		REV. LOCATION OF FOREST CONDS. ESENT, TPF, L.O.D. & TREELINE	HES	

PREPARED FOR:  
 GREENBAUM & ROSE ASSOC., INC.  
 1829 REISTERTOWN ROAD  
 SUITE 410, WOODHOLME CENTER  
 BALTIMORE, MARYLAND 21208  
 PHONE (410) 484-8400

**Sediment Control Plan**  
**KINGSBRIDGE @ BURLEIGH MANOR**  
 LOTS 763-778 & 785  
 A RESUBDIVISION OF PARCELS 'A' & 'B'  
 ELLICOTT CITY ELECTION DISTRICT No. 2

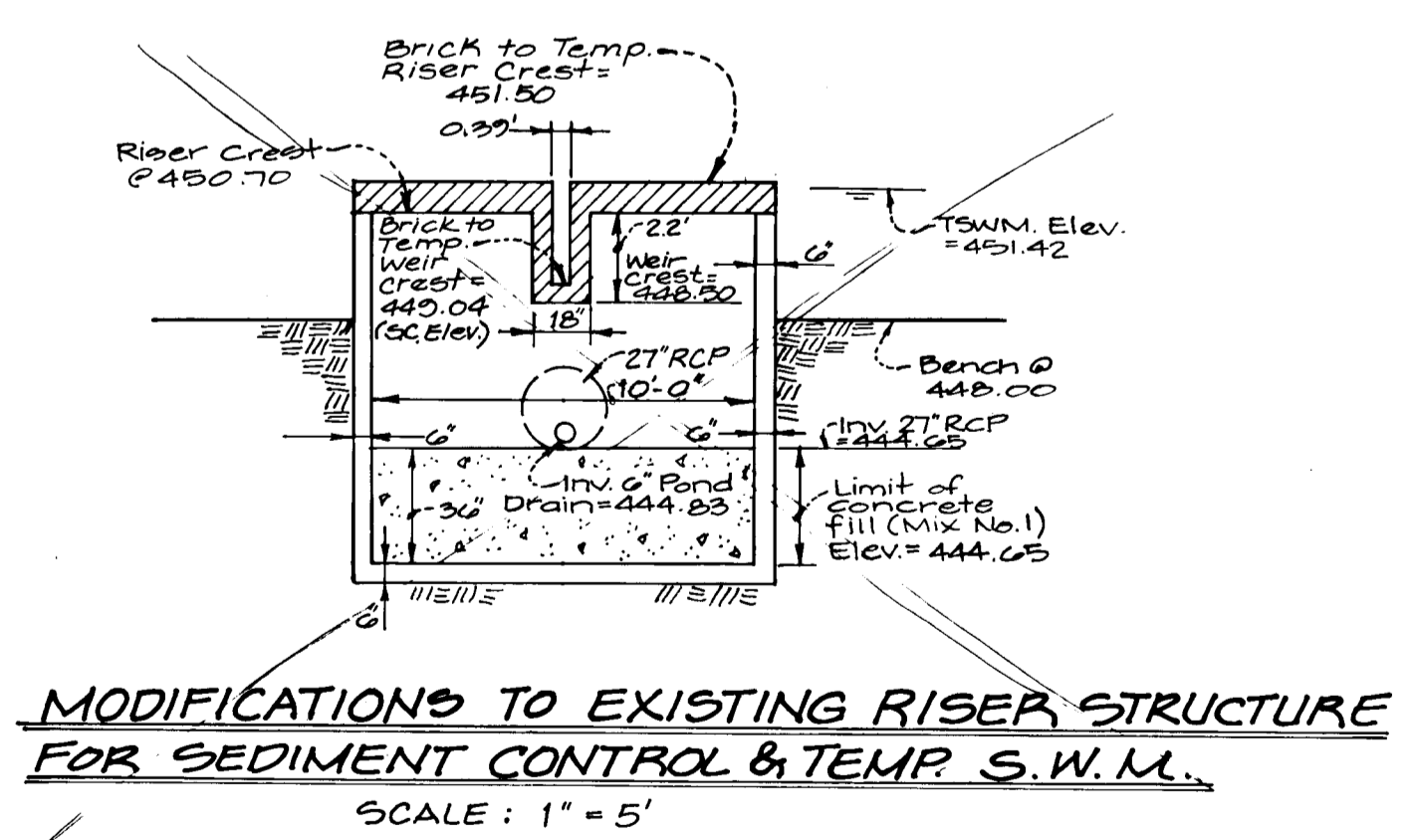
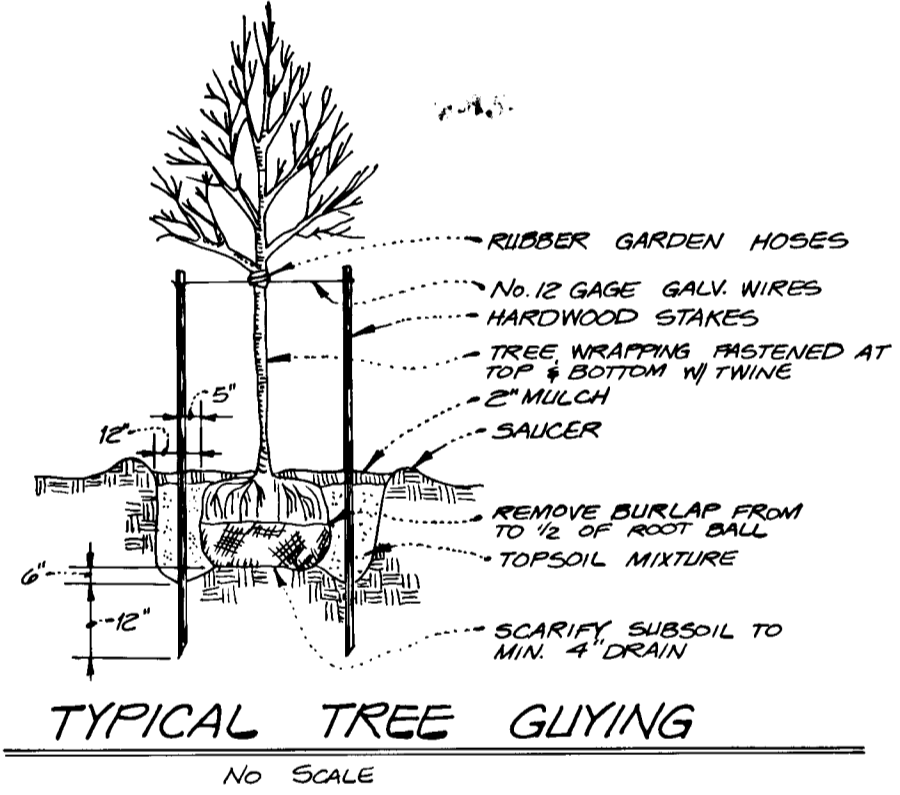
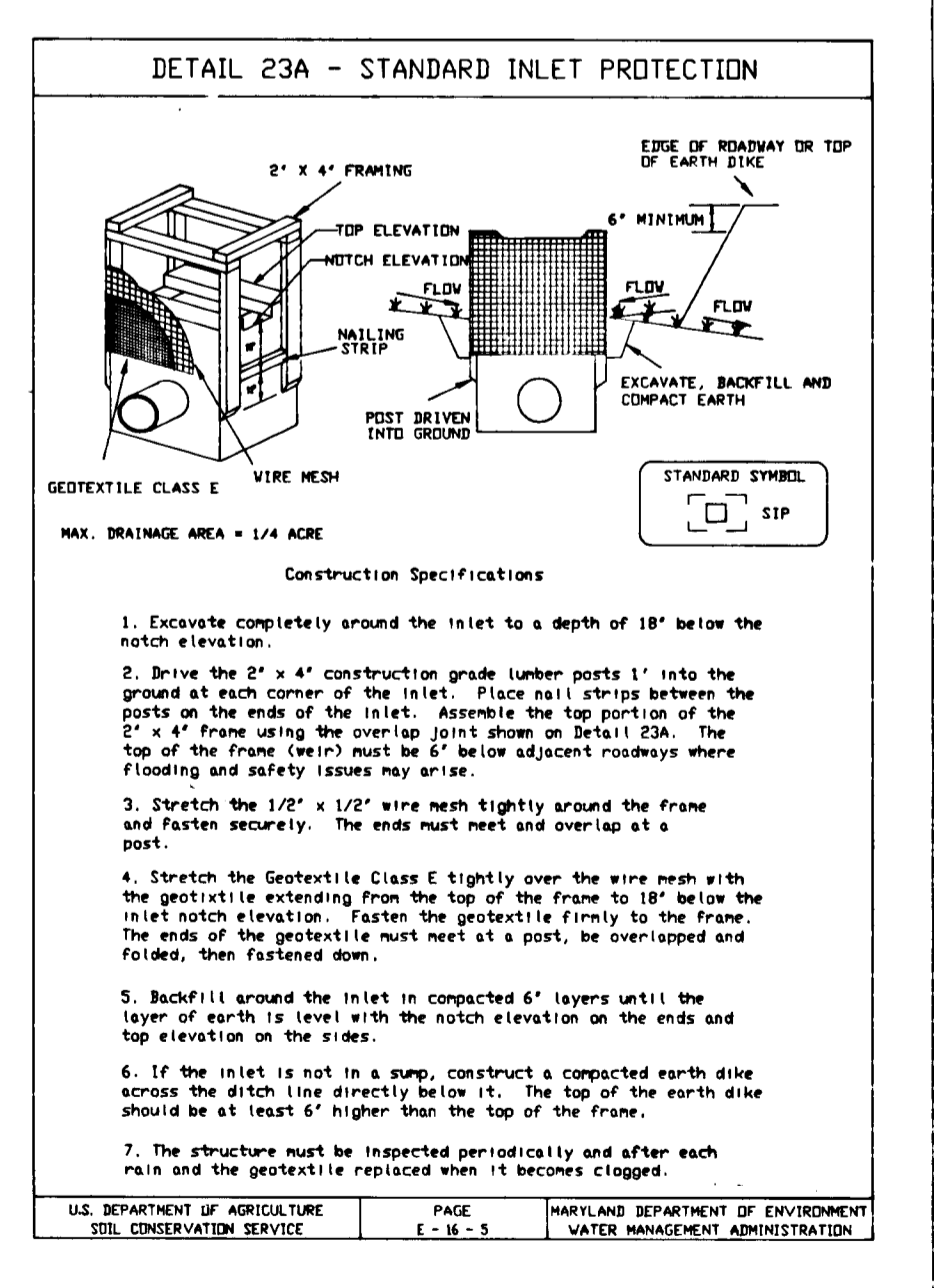
SCALE	ZONING	G. L. W. FILE No.
1" = 50'	R-20	94008
DATE	TAX MAP No.	SHEET
JUNE - 1996 NOV. 1997	23	3 OF 5



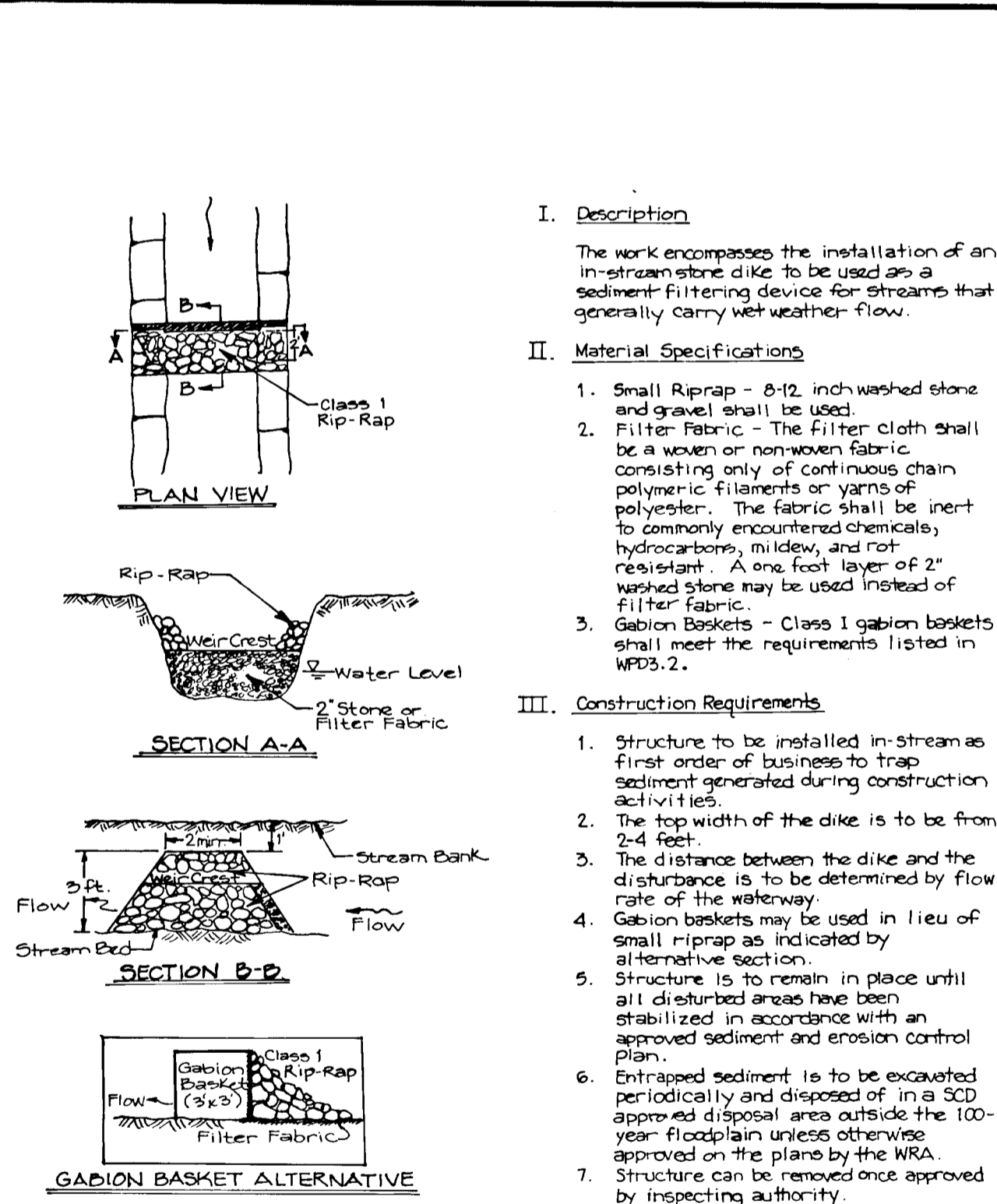
No	Type	Width	Top Elev.		Inv. Elev.	Std. Detail	Locations	Remarks
			(inside)	lower				
I-14	1/2" Inlet		484.54	480.00		Ho. Co. S. D. 4.12	Sta. 5+73.00 17' Right	
I-13	"		484.54	479.50		"	Sta. 5+73.00 17' Left	
I-12	"		487.87	483.84		"	Sta. 5+87.00 23.5' Left	
I-11	"		485.02	476.02		"	Sta. 0+80.00 17' Right	
I-10	"		484.35	474.30		"	Sta. 0+19.00 22.5' Left	
M-10	Std. Manhole	4'-0"	487.55	482.70	478.80	Ho. Co. G. S. 01	Sta. 5+110.00 28.0' Right	

SIZE	CLASS	LENGTH
15" R.C.P.	IX	77
18" R.C.P.	IX	484

STREET NAME & E STATION LIMIT	TYPE OF TRAFFIC	A	B	C	D	R/W	ZONING	E	DESIGN SPEED	PAVING SECTION
0+00-9+75.54	Local	-	-	-	-	50'	R-20	-	30MPH	P-2



- SEQUENCE OF CONSTRUCTION
- Obtain grading permit.
  - Arrange for an on-site meeting with County Sediment Control Inspector.
  - Install stone construction entrance and temporary pipe.
  - Make modifications to the riser structure approved under F-95-117 as shown on Sheet 4.
- PHASE ONE CONSTRUCTION - SEE DETAIL FOR INITIAL GRADING AND SEDIMENT CONTROL - SHEET 5.
- Construct Sediment Trap Number One, and in-stream stone dike.
  - Install silt fence and earth dikes as shown.
  - Clear and grub site within the limits of the installed earth dikes/silt fence.
  - Rough grade site within the limits of the installed earth dikes/silt fence as shown on Sheet 5. Construct storm drains and other utilities and install inlet protection devices. The contractor shall inspect the sediment control devices on a daily basis and make any necessary repairs. NOTE: Contractor shall provide positive drainage from Kingsway Circle to Trap No. 1 until storm drains are functioning.
  - Contractor shall follow the temporary seeding notes in order to stabilize the area disturbed during Phase One of the construction.
- PHASE TWO CONSTRUCTION
- Construct silt fence as shown on Sheet 3.
  - Backfill Sediment Trap Number One as shown on Sheet 3, and remove phase one silt fence with permission of the Inspector.
  - Clear and grub the remaining area within the limit of disturbance.
  - Rough grade the remainder of the site and remove earth dikes installed in Phase One.
  - Final grade site and install base paving.
  - Stabilize all disturbed area, within both Phase One and Two, in accordance with the Permanent Seeding Notes and flush storm drain systems. Contractor will be responsible for any damage to the existing Stormwater Management Facility and must make the necessary repairs, and conversions to the riser structure in order to conform to approved F-95-117.
  - After all areas draining to the sediment control devices have been stabilized and permission has been granted by the Sediment Control Inspector, remove those devices, grade remaining areas and stabilize in accordance with the Permanent Seeding Notes.
  - Install surface course paving.
  - With permission from the Inspector, remove the remaining sediment control devices and go home.



- I. Description
- The work encompasses the installation of an in-stream stone dike to be used as a sediment filtering device for streams that generally carry wet weather flow.
- II. Material Specifications
- Small Riprap - 8-12 inch washed stone and gravel shall be used.
  - Filter Fabric - The filter cloth shall be a woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, hydrocarbons, mildew, and rot resistant. A one foot layer of 2" washed stone may be used instead of filter fabric.
  - Gabion Baskets - Class 1 gabion baskets shall meet the requirements listed in WPD3.2.
- III. Construction Requirements
- Structure to be installed in-stream as first order of business to trap sediment generated during construction activities.
  - The top width of the dike is to be from 2-4 feet.
  - The distance between the dike and the disturbance is to be determined by flow rate of the waterway.
  - Gabion baskets may be used in lieu of small riprap as indicated by alternative section.
  - Structure is to remain in place until all disturbed areas have been stabilized in accordance with an approved sediment and erosion control plan.
  - Enfringed sediment is to be excavated periodically and disposed of in a 300 approved disposal area outside the 100-year floodplain unless otherwise approved on the plans by the WRA.
  - Structure can be removed once approved by inspecting authority.

WATER RESOURCES ADMINISTRATION IN-STREAM STONE DIKE Approved On 1/24/86 WPD 1.2

Approved: Howard County Dept. of Public Works  
Howard Shank for 6/27/86  
Chief, Bureau of Highways Date

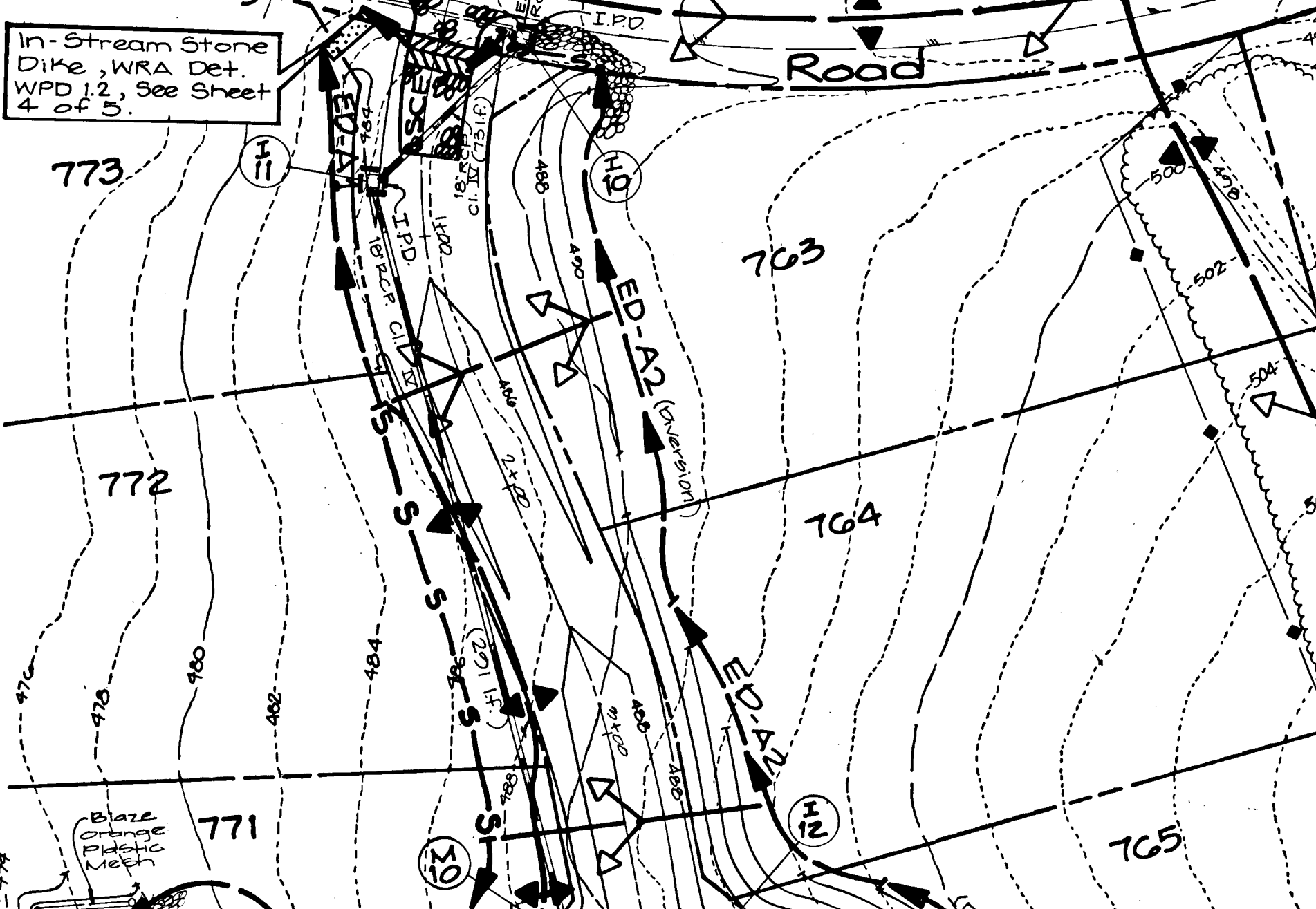
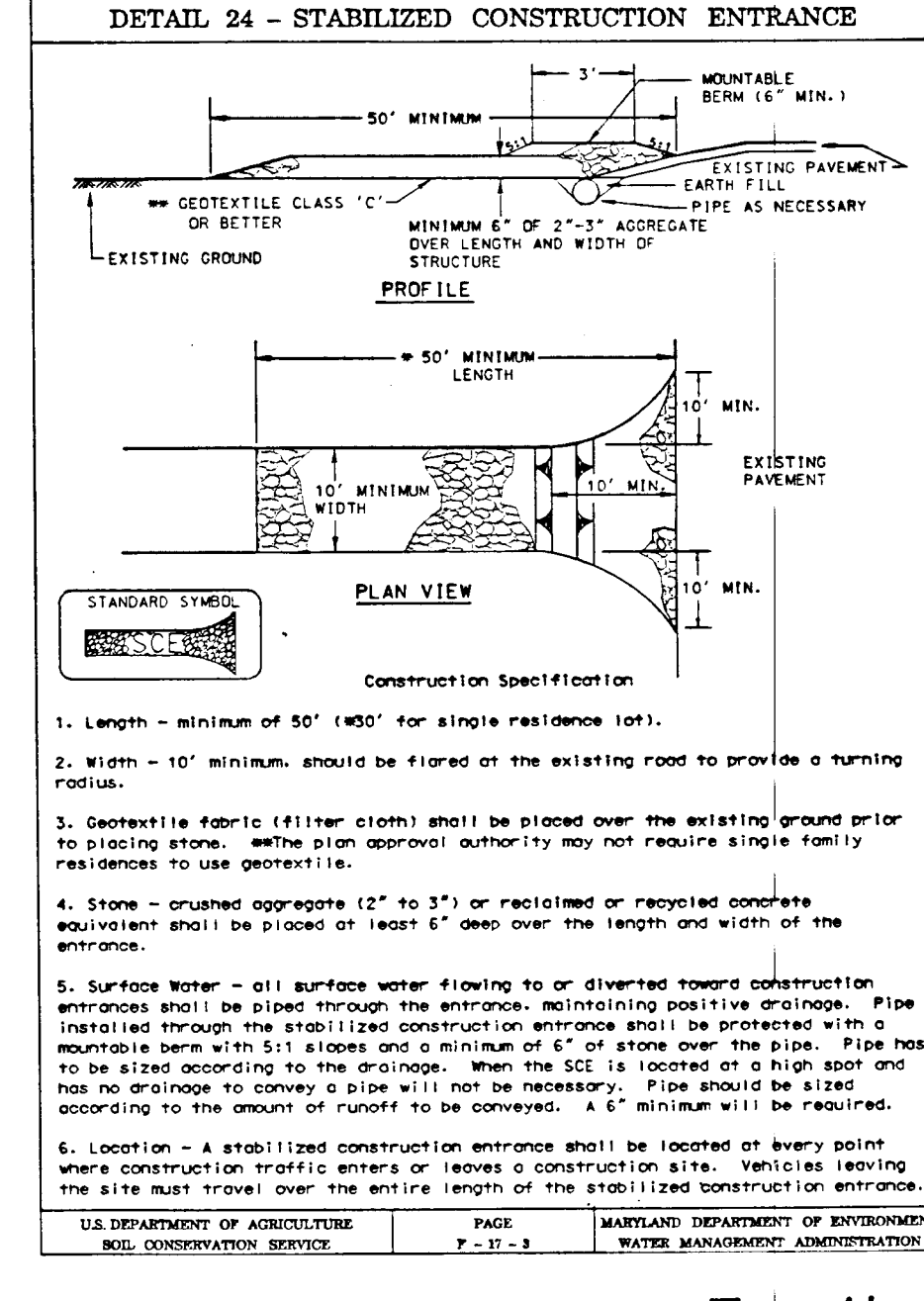
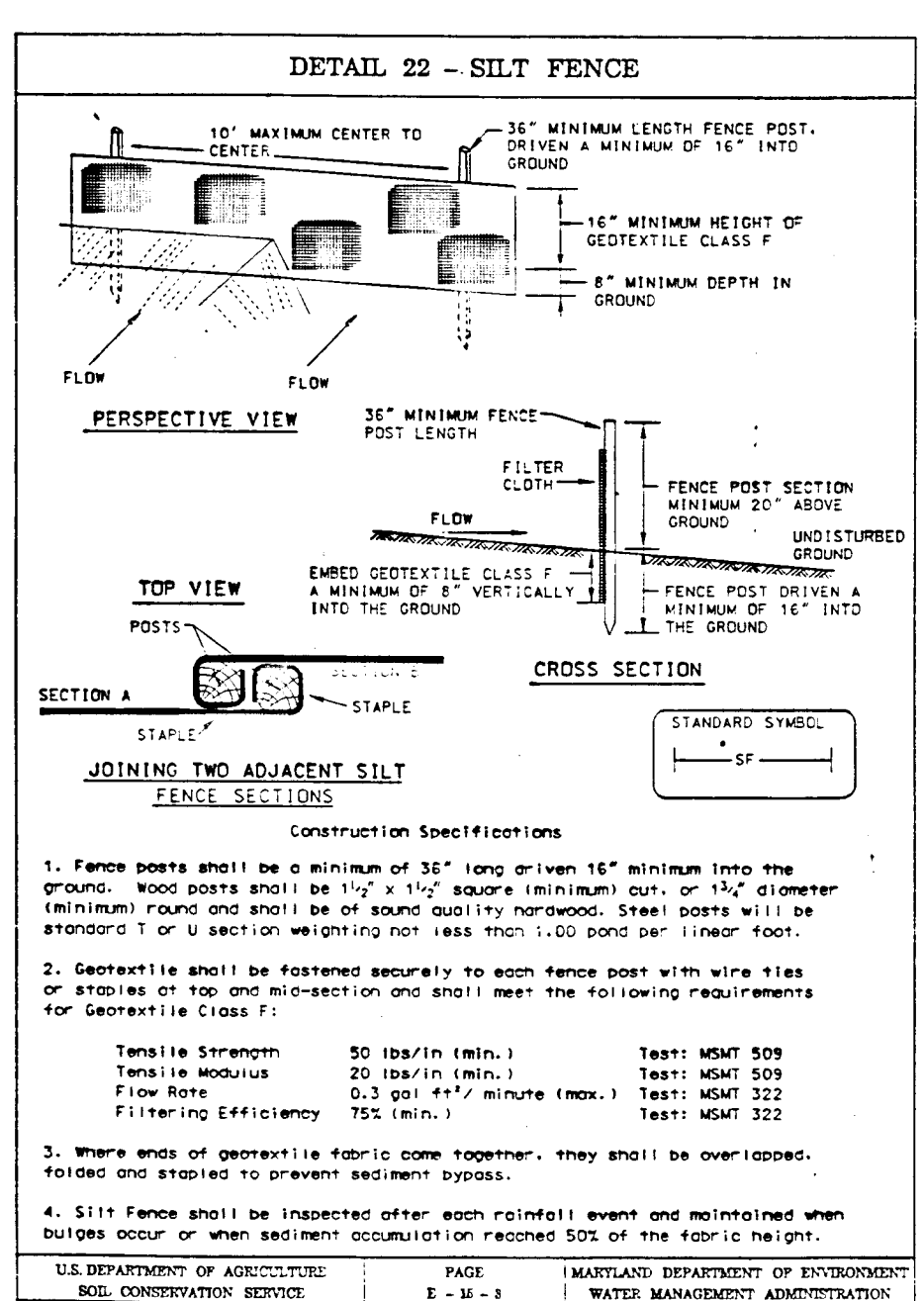
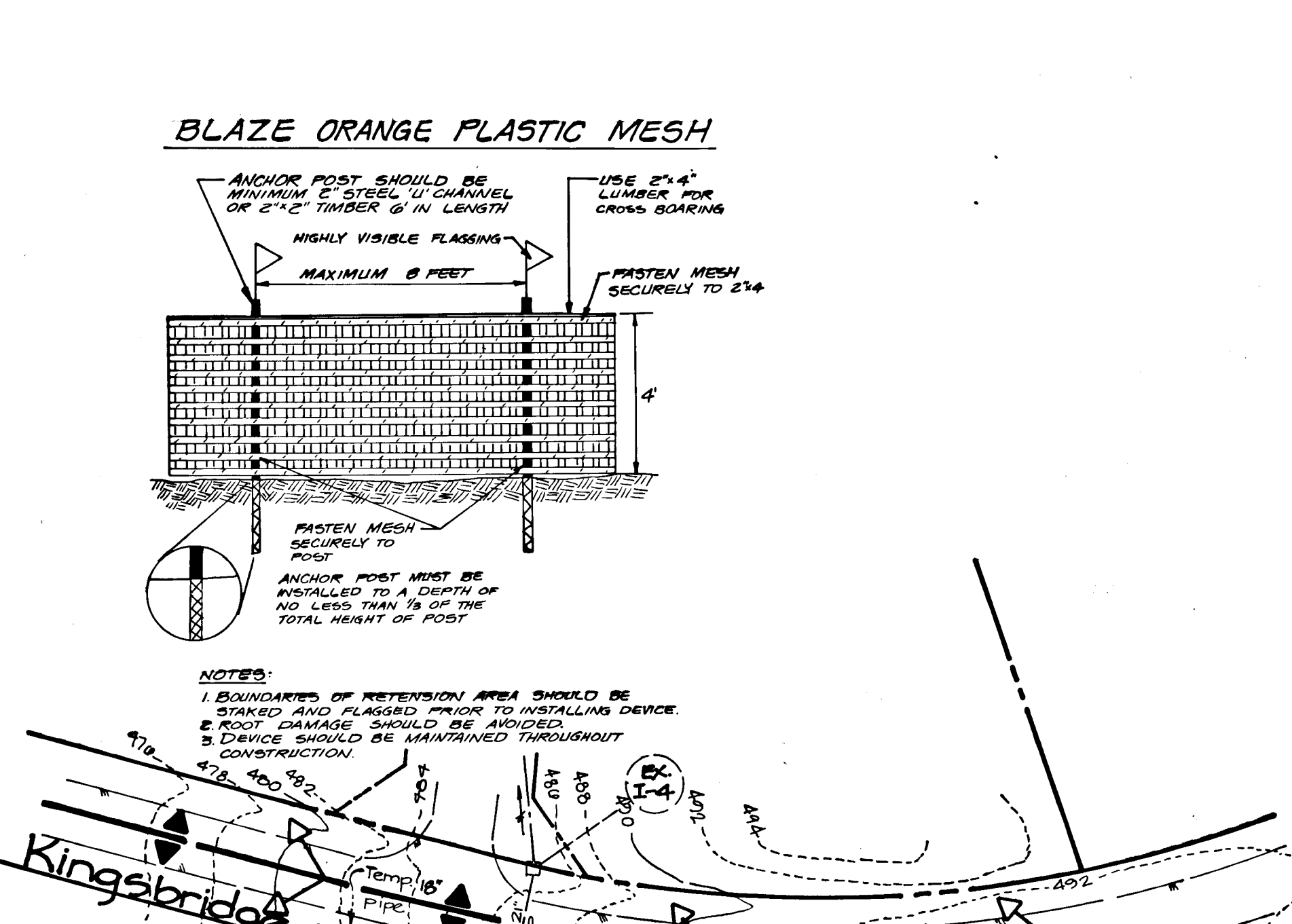
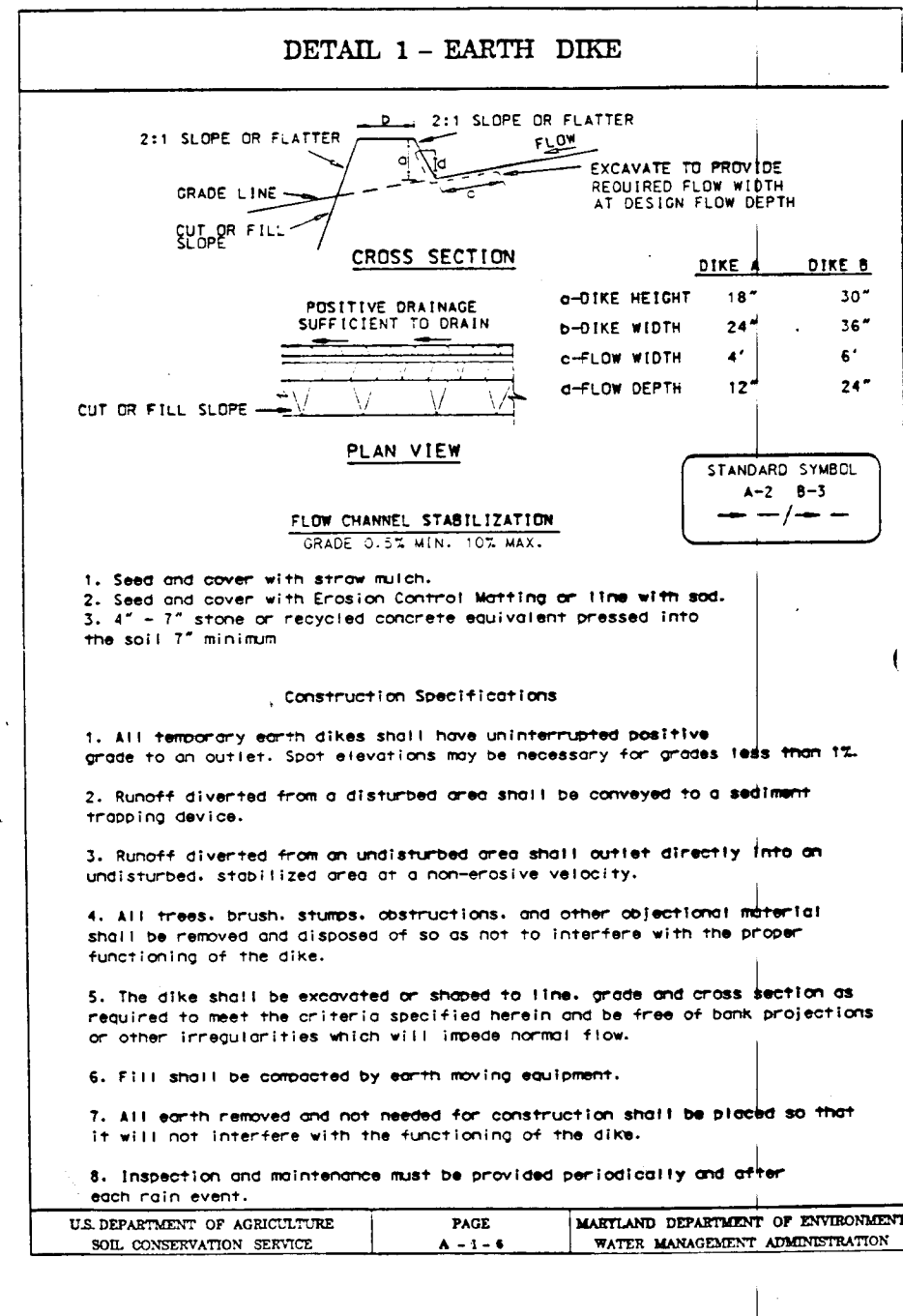
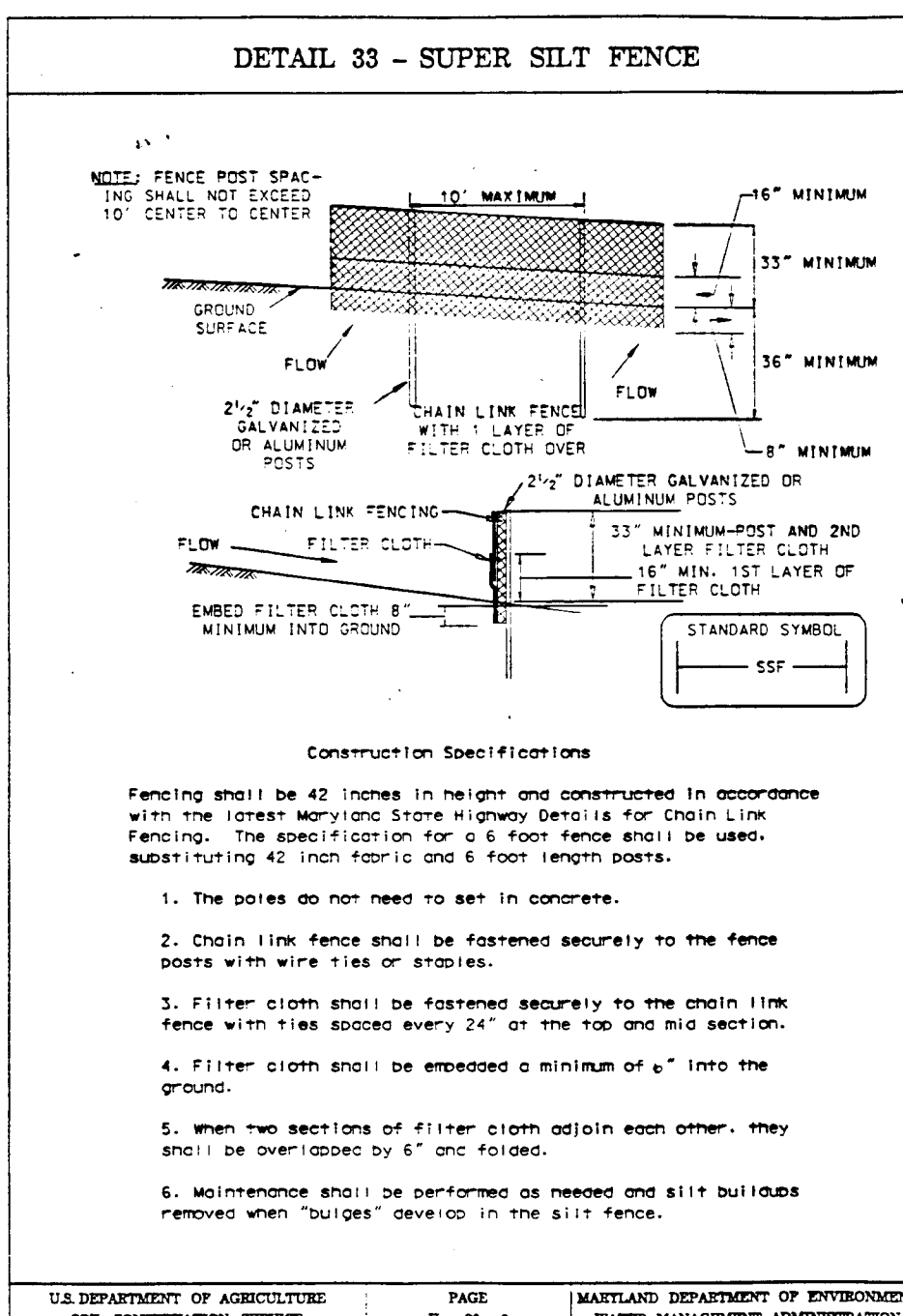
Approved: Howard County Dept. of Planning/Zoning  
Clara Swannery 7/2/86  
Chief, Div. of Land Development & Research Date  
Walter D. ... 7/2/86  
Chief, Development Engineering Div. Date

**GEW GUTSCHICK LITTLE & WEBER, P.A.**  
CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MD. 20886  
TELEPHONE: (301)421-4024 NO. VA. (301)989-2524 BALTO. (301)880-1820 FAX (301)421-4186

PREPARED FOR:  
Greenebaum & Rose Assoc., Inc.  
1829 Reisterstown Rd.  
Suite 410 Woodholme Center  
Baltimore Maryland 21208  
Phone (410) 484-8400

STORM DRAIN PROFILES & DETAILS  
Kingsbridge @ Burleigh Manor  
Lots 763-778 & 785  
A Re-subdivision of Parcels A & B  
Ellicott City Election District No. 2. Howard County, Md.

DES. DEV	SCALE	ZONING	G.L.W. FILE NO.
AS SHOWN	R-20	24-008	
DR./MCF	DATE	TAX MAP NO.	SHEET
CHK. DEV	JUNE 1986 NOV. 1991	23	4 OF 5



### 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. (301) 992-2437
- 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 and 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 seedings (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	15.42 Acres
Area Disturbed	7.44 Acres
Area to be roofed or paved	0.49 Acres
Area to be vegetatively stabilized	6.951473 Acres
Total Cut	3160 Cu. Yds.
Total Fill	2160 Cu. Yds.

 Off-site waste/borrow area location:
- 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 control must be provided, if deemed necessary by the Howard County DPW 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.

### PERMANENT SEEDING NOTES

- Apply to graded or cleared area 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, discing or other acceptable means before seeding (unless previously loosened).
- 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 feet) 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 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 square feet) 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.

**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 site 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 unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch 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.

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

### TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding (unless previously loosened).
- 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 2-1/2 bushel per acre of annual rye (3.2 lbs./1000 sq ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/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/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/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 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.

Note: The Landscape Edges on Lot 769 and Parcel 1A are shown on the Forest Conservation Plan.

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

*J. H. Waldorf* 6/26/96  
Natural Resources Conservation Service Date

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

*John P. Hunter* 6/26/96  
Howard S.C.D. Date

**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 Soil Conservation District.

*Chris* 3-27-96 Date

*Chris* 3-27-96 Date

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I/we certify that all development and/or 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 Maryland Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the HSCD.

*Paul O.B. St* 3-27-96 Date

*Paul O.B. St* 3-27-96 Date

\*Note: Provide positive drainage to Trap No. 1 until storm drains are functioning.

### Detail for Initial Grading & Sediment Control

Scale: 1"=50'

**GW GUTSCHICK LITTLE & WEBER, P.A.**  
CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866  
TEL: (301) 421-4024 NO. VA.: (301) 989-2524 BALT.: (410) 880-1820 FAX: (301) 421-4186 DES. DRN. CHK. DATE REVISION BY APPR.

DATE	REVISION	BY	APPR.
10-18-96	REV. FOREST CONSV. EASEMENT	HEJ	

PREPARED FOR:  
GREENEBUM & ROSE ASSOC. INC.  
1829 REISTERSTOWN ROAD  
SUITE 410, WOODHOLME CENTER  
BALTIMORE, MARYLAND 21208  
PHONE (410) 484-8400

Sediment Control Notes & Details  
**KINGSBRIDGE @ BURLEIGH MANOR**  
LOTS 763-778 & 785  
A RESUBDIVISION OF PARCELS 'A' & 'B'  
ELLICOTT CITY ELECTION DISTRICT No. 2  
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE No.
N/A	R/20	94-008
DATE	TAX MAP No.	SHEET
JUNE 1996	23	5 of 5

F-96-93