

SITE ANALYSIS DATA CHART

1. GENERAL SITE DATA

- a.) PRESENT ZONING: R-SC
- b.) APPLICABLE DPZ FILE REFERENCES: N/A
- c.) PROPOSED USE OF SITE: SINGLE FAMILY DETACHED
- d.) PROPOSED WATER AND SEWER SYSTEMS: X PUBLIC PRIVATE
- e.) ANY OTHER INFORMATION WHICH MAY BE RELEVANT: SEE GENERAL NOTE FOR WAIVER REQUESTS.

2. AREA TABULATION

- a.) TOTAL PROJECT AREA 3.97 AC.
- b.) NET AREA OF SITE..... 3.97 AC.
- c.) AREA OF THIS PLAN SUBMISSION..... 3.97 AC.
- d.) LIMIT OF DISTURBANCE 3.15 AC.
- e.) BUILDING COVERAGE OF SITE N/A
- f.) OTHER:..... N/A

3. UNIT/LOT TABULATION

- a.) TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS ALLOWED FOR PROJECT..... N/A
- b.) TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS PROPOSED ON THIS SUBMISSION..... 16
- c.) DENSITY OF PROJECT PER NET ACRE..... **
- d.) TOTAL NUMBER OF NON-RESIDENTIAL LOTS/PARCELS ON THIS SUBMISSION N/A
- e.) OVERALL TOTAL NUMBER OF LOTS/PARCELS ON THIS SUBMISSION 16
- f.) OTHER..... N/A

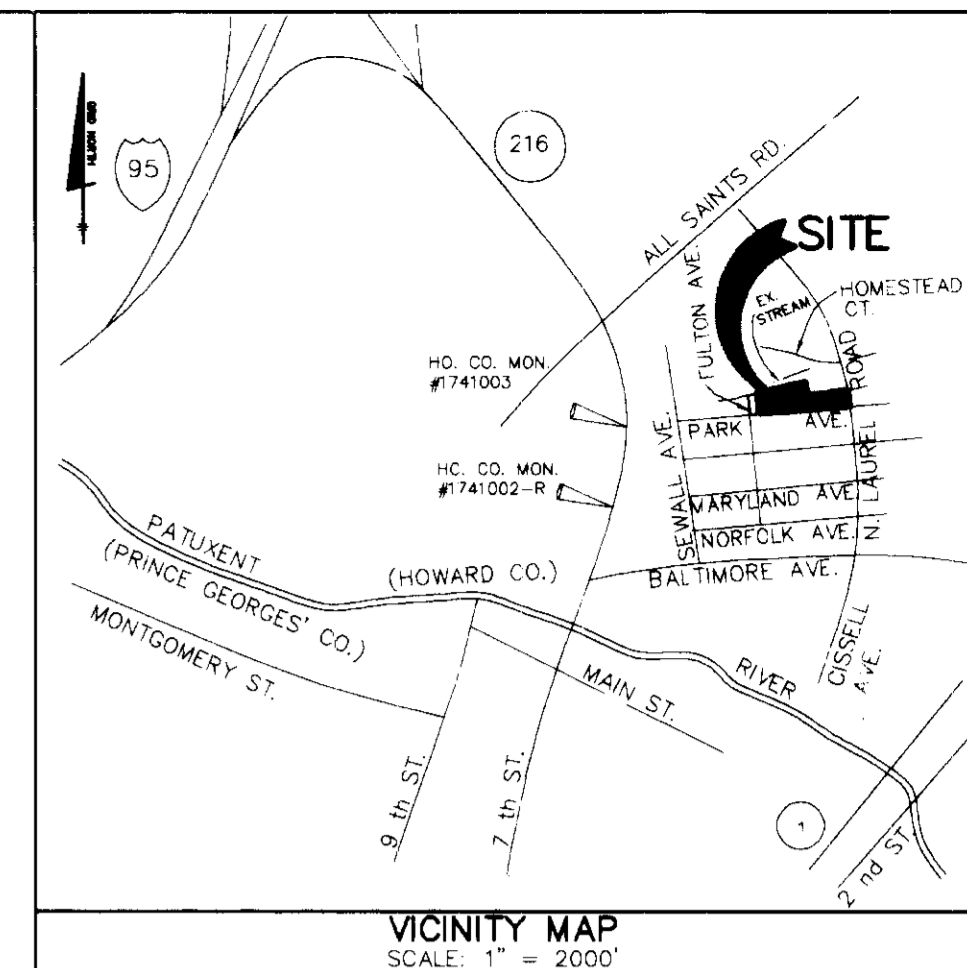
4. OPEN SPACE DATA

- a.) OPEN SPACE ON SITE: NOT REQUIRED
- b.) AREA OF RECREATION OPEN SPACE REQUIRED..... N/A
OPEN SPACE PROVIDED..... N/A
- c.) OTHER..... N/A

** SUBDIVISION PLAT WAS RECORDED IN 1898. PER PLAT, TOTAL LOT YIELD = 16 LOTS

GENERAL NOTES:

1. TOTAL AREA OF SITE: 3.97 ACRES
2. ZONE: R-SC PER THE 1993 COMPREHENSIVE ZONING PLAN. (RECORDED PLAT DATED APPROXIMATELY 1898.)
3. PROPOSED USE: SINGLE FAMILY DETACHED
4. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
5. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.
6. THE TOPOGRAPHY SHOWN WAS GENERATED FROM AERIAL TOPOGRAPHY SURVEY PROVIDED BY WINGS, INC., DATED MARCH 1995, AND CONSISTS OF 2 FOOT CONTOUR INTERVALS.
7. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON MARYLAND GRID SYSTEM NAD 27 - HOWARD COUNTY MONUMENTS NO. 5 1741003 AND 1741002-R.
8. THE BOUNDARY SURVEY OF SUBJECT PROPERTY WAS PERFORMED BY FISHER, COLLINS, & CARTER, INC., DATED DEC. 1995.
9. ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
10. THE CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND EASEMENTS PRIOR TO CONSTRUCTION.
11. PLAT REFERENCE FOR THE SUBJECT PROPERTY IS PLAT NO. 51/470, DATED 1898.
12. WATER AND SEWER CONNECTIONS ARE PER WATER/SEWER CONTRACT NO. 24-3500-D.
13. FIREPLACE CHIMNEYS & BAY WINDOWS NOT MORE THAN 10 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY REQUIRED SETBACKS IN ACCORDANCE WITH SECTION 12B OF ZONING REGULATION.
14. REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE PROVIDED BY THE COUNTY TO THE INTERSECTION OF PARK AVENUE AND NORTH LAUREL ROAD ONLY AND NOT ONTO PARK AVENUE.
15. DEVELOPER/BUILDER SHALL ESTABLISH A HOMEOWNERS ASSOCIATION WITH COVENANTS CONCERNING TRASH REMOVAL, MAINTENANCE OF PARK AVENUE (A PRIVATE ROAD), AND MAINTENANCE OF THE WATER QUALITY SYSTEM (STORMCEPTOR).
16. STORM WATER MANAGEMENT WILL BE PROVIDED BY PAYMENT OF FEE-IN-LIEU IN THE AMOUNT OF \$31,642.76, APPROVED ON APRIL 25, 1996.
17. STORM WATER QUALITY CONTROL SHALL BE PROVIDED BY A SHALLOW MARSH.
18. FOR DRIVEWAY APRON DETAILS SEE HOWARD COUNTY STANDARD DETAIL R6.05.
19. PERMISSION HAS BEEN GRANTED FROM WARD DEVELOPMENT CORP. (OWNER OF LOTS 1-3), FOR GRADING ALONG THE FRONTAGE OF LOTS 1 THRU 3. THE CONSTRUCTION OF THE APPROPRIATE UTILITIES AND THE CONSTRUCTION OF THE TEE TURNAROUND AND ASSOCIATED GRADING.
20. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
21. 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.
22. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
23. EXISTING UTILITIES ARE ON HOWARD COUNTY APPROVED DRAWINGS (SEE SHEET 2). THERE IS NO FLOODPLAIN STUDY REQUIRED FOR THIS SITE PLAN.
24. THE WETLANDS DELINEATION STUDY FOR THIS PROJECT WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, INC., DATED JANUARY 25, 1996, AND WAS APPROVED ON FEBRUARY 28, 1996.
25. NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
26. LANDSCAPING IS NOT REQUIRED FOR THIS PROJECT SINCE THIS SITE WAS SUB-DIVIDED PRIOR TO ANY LANDSCAPING REQUIREMENTS.
27. THE SIDE SETBACK FOR LOT 19, ALONG NORTH LAUREL ROAD, HAS BEEN REDUCED FROM THE CURRENTLY APPLICABLE 30 FEET TO 20 FEET SINCE THE LOT WAS SUBDIVIDED PRIOR TO THE ADOPTION OF ZONING REGULATIONS.
28. GRADING, CONSTRUCTION AND THE REMOVAL OF VEGETATION ARE PROHIBITED WITHIN THE WETLANDS AND THEIR 25 FOOT BUFFER, UNLESS PREVIOUSLY APPROVED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.



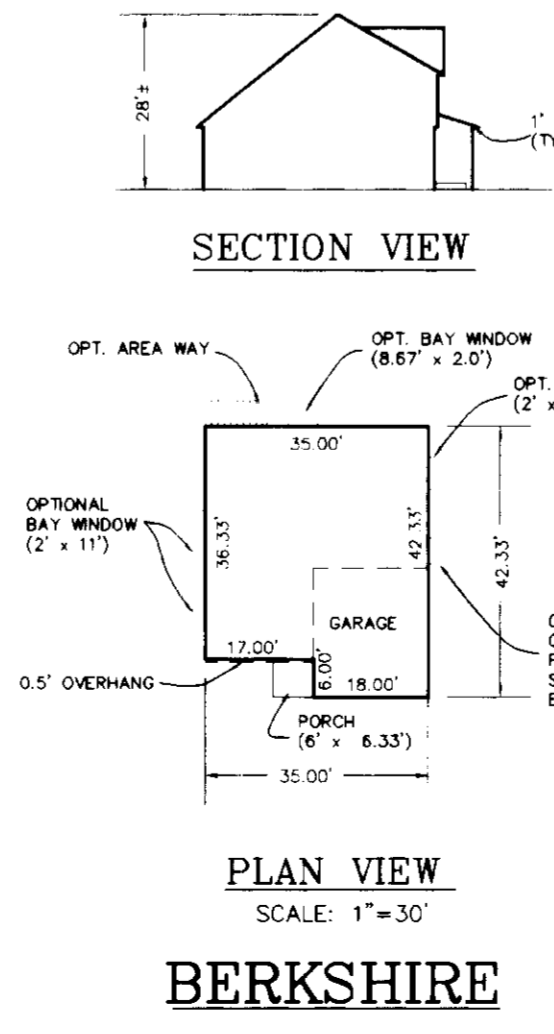
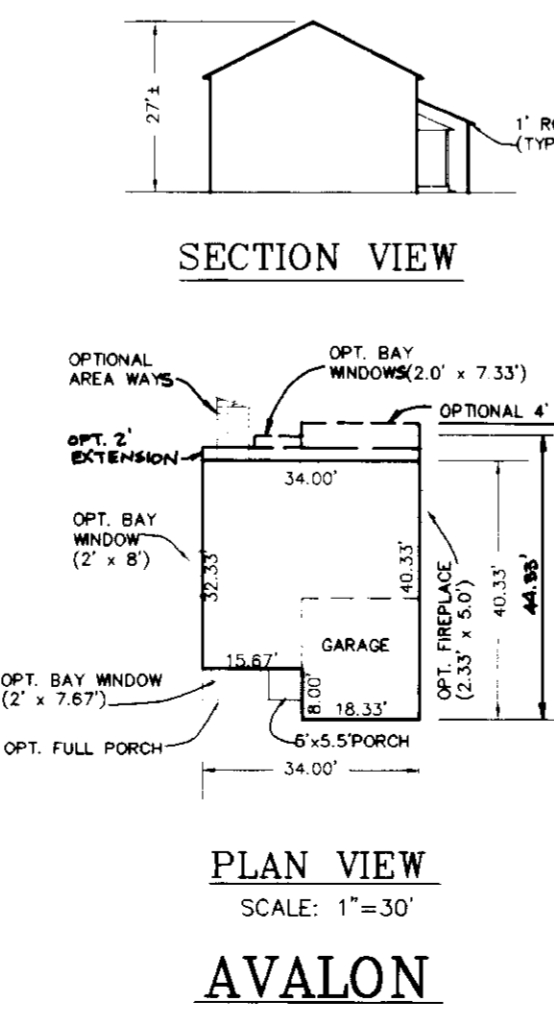
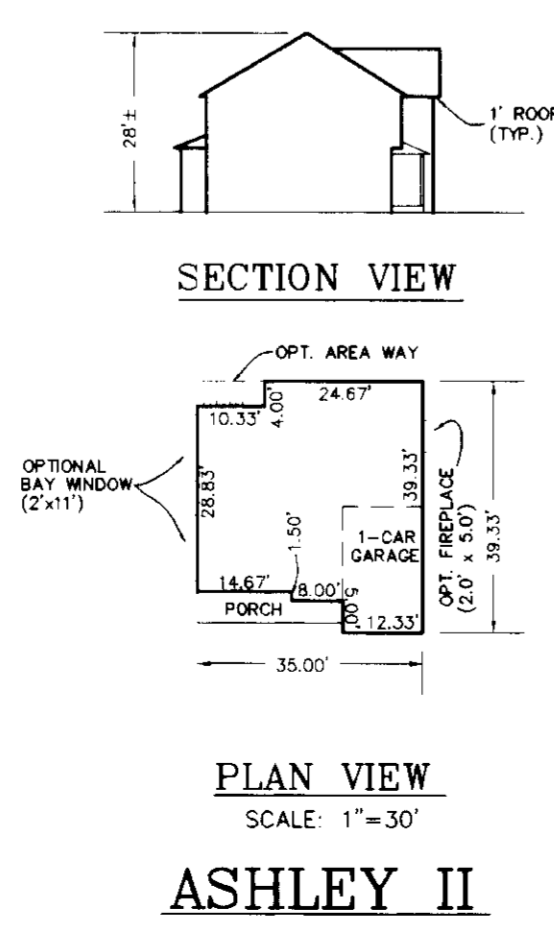
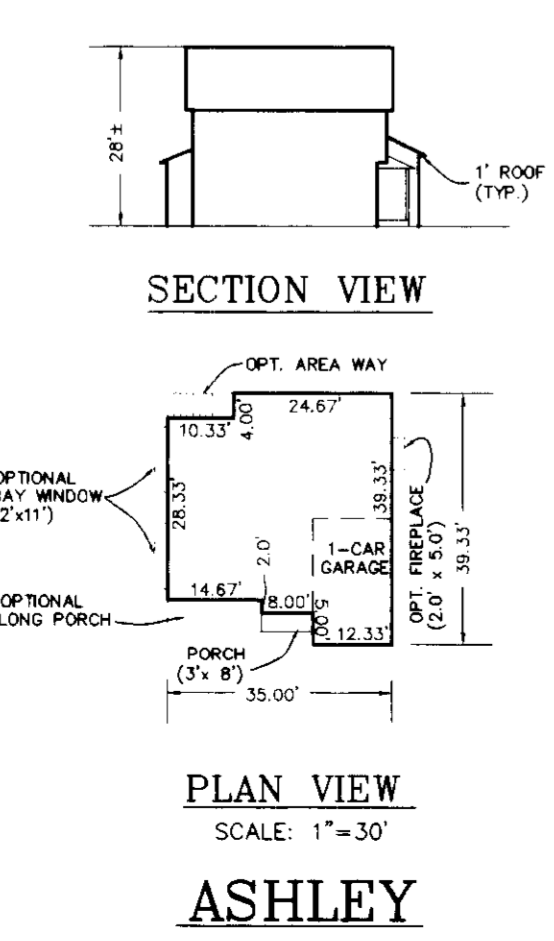
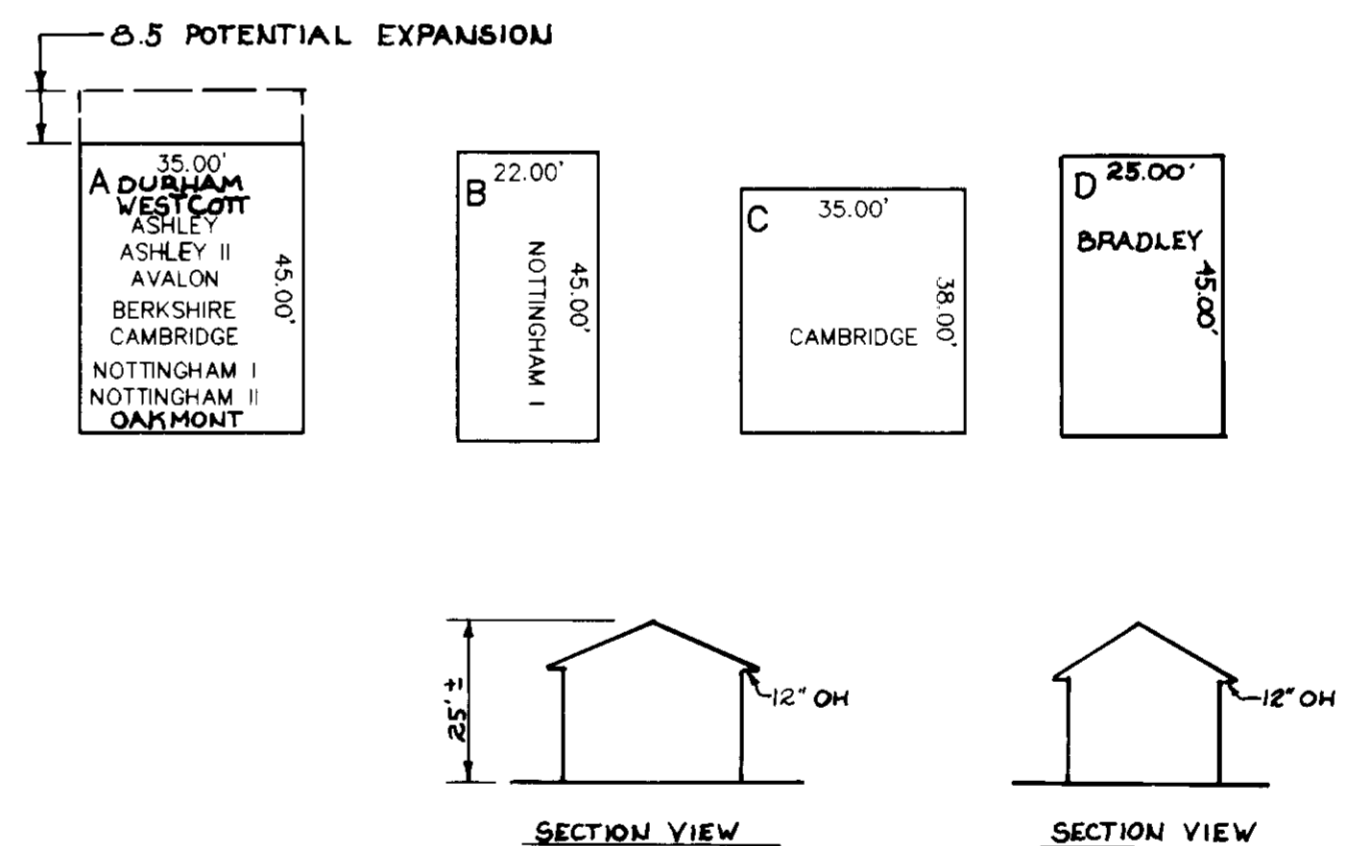
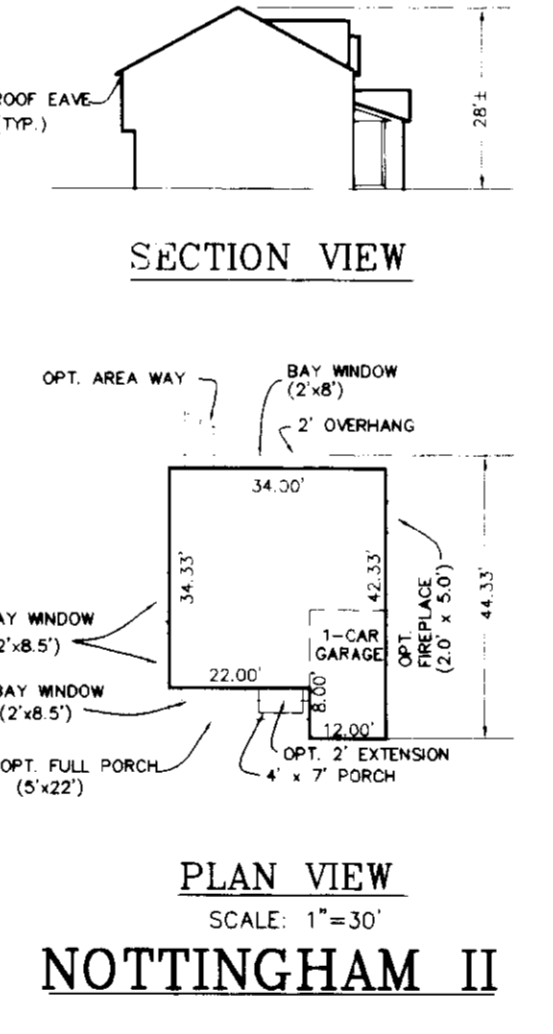
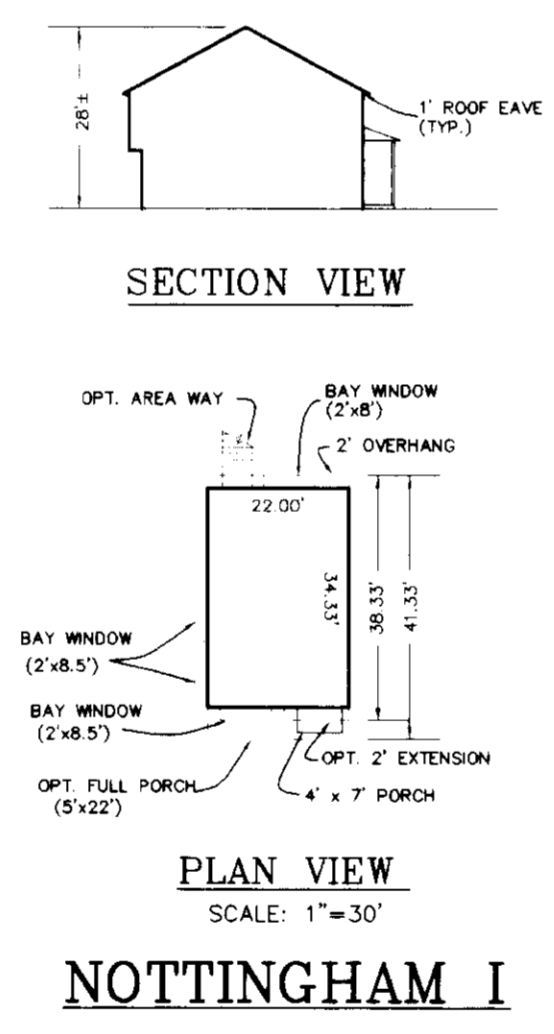
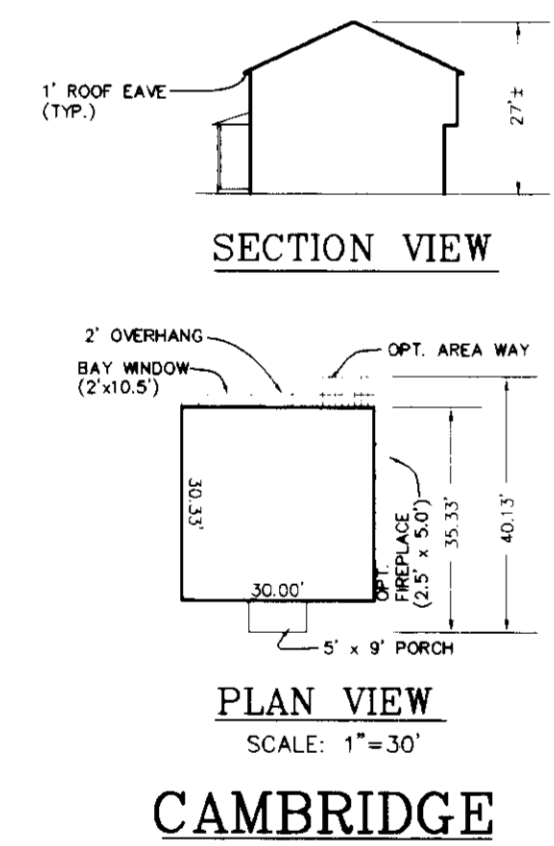
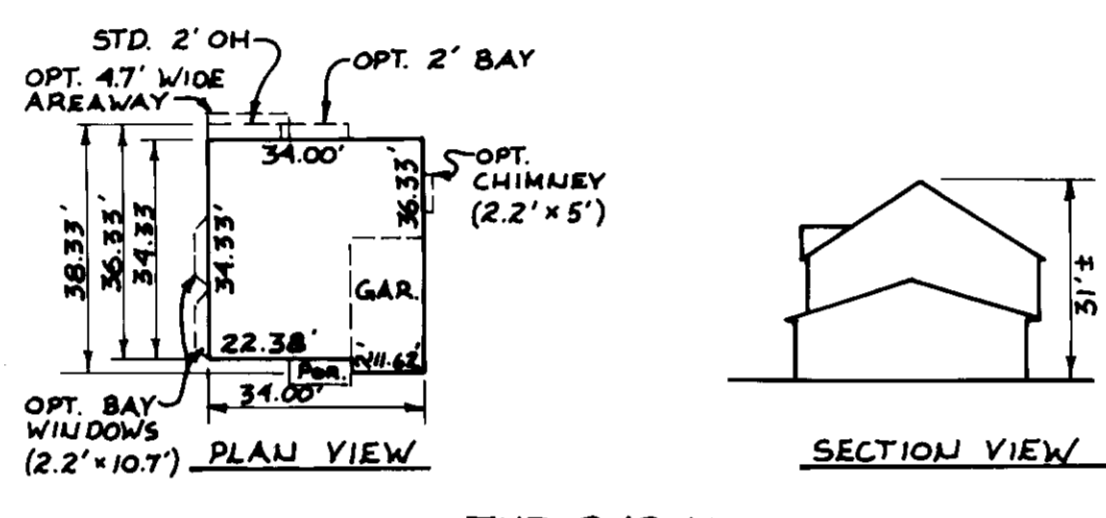
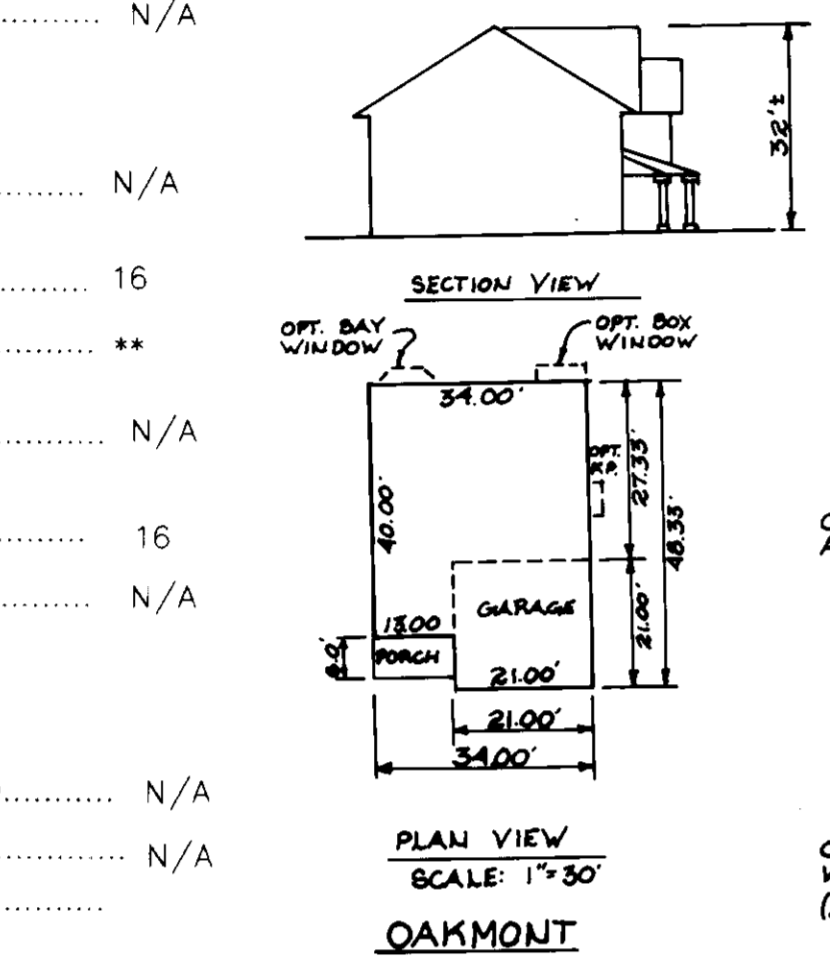
BENCH MARK DATA

HOWARD COUNTY MON. # 1741003
CONC. MON. ON WEST SIDE OF
RTE. 216 AND 0.2' BELOW SURFACE.
ELEV. = 198.395

HOWARD COUNTY MON. # 1741002-R
CONC. MON. ON TOP OF BANK
EAST OF EAST EDGE MAR. OF
RTE. 216 FLUSH WITH SURFACE.
ELEV. = 197.368

SHEET INDEX	
SHEET NO.	TITLE
1	COVER SHEET
2	GENERIC SITE DEVELOPMENT PLAN
3	ROAD PROFILE AND SECTION DETAILS
4	PRIVATE STORM DRAIN PROFILES AND DRAINAGE AREA MAP
5	SEDIMENT & EROSION CONTROL PLAN
6	WATER QUALITY DETAILS, AND SEDIMENT & EROSION CONTROL NOTES AND DETAILS

ADDRESS CHART			
LOT NUMBER	STREET ADDRESS	LOT NUMBER	STREET ADDRESS
4-M	0600 PARK AVENUE	12-M	0616 PARK AVENUE
5-M	0602 PARK AVENUE	13-M	0618 PARK AVENUE
6-M	0604 PARK AVENUE	14-M	0620 PARK AVENUE
7-M	0606 PARK AVENUE	15-M	0622 PARK AVENUE
8-M	0608 PARK AVENUE	16-M	0624 PARK AVENUE
9-M	0610 PARK AVENUE	17-M	0626 PARK AVENUE
10-M	0612 PARK AVENUE	18-M	0628 PARK AVENUE
11-M	0614 PARK AVENUE	19-M	0630 PARK AVENUE



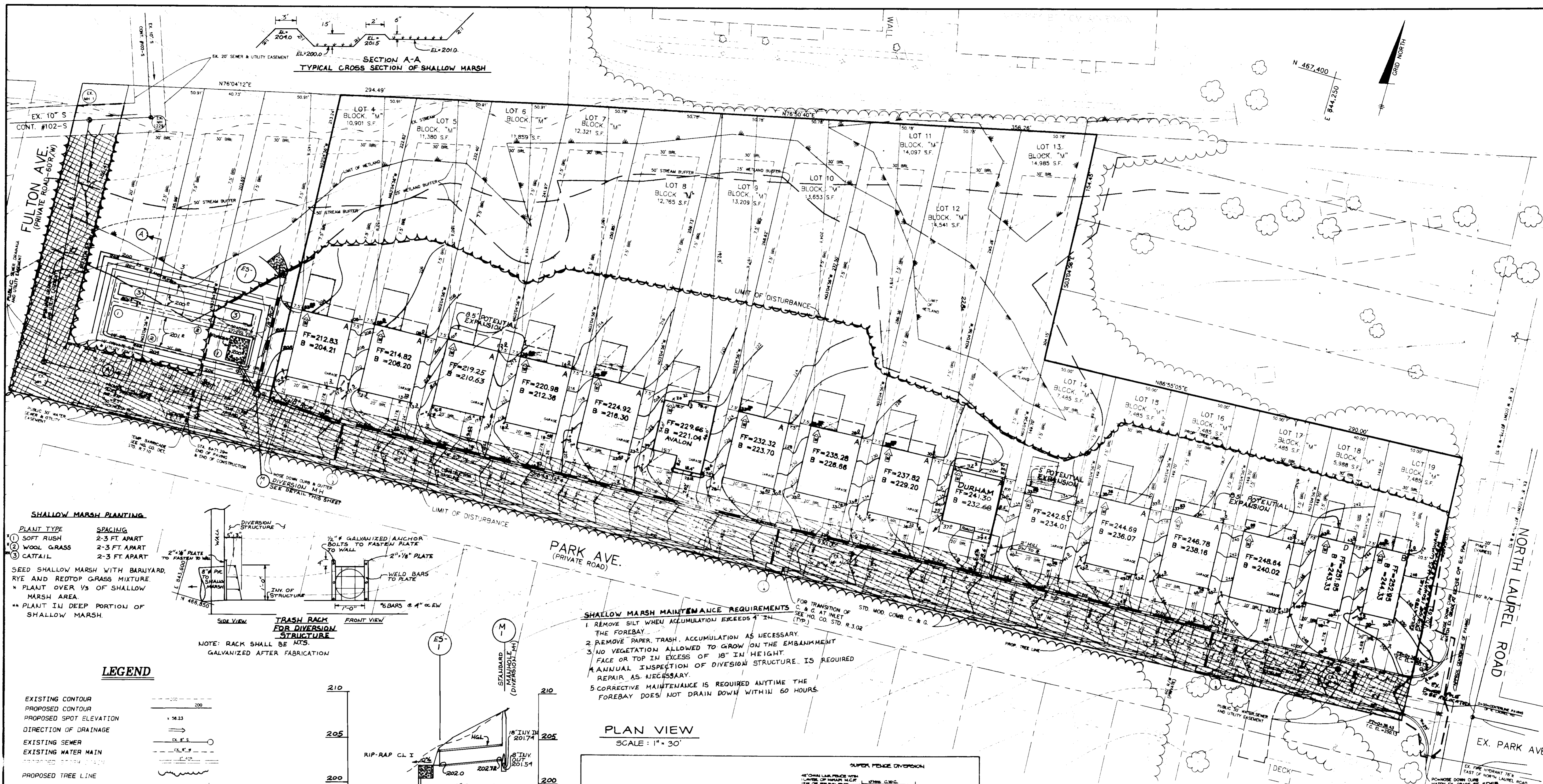
NO.	DATE	REVISION
0	1/26/95	SUBMISSION TO COUNTY FOR REVIEW AND APPROVAL
1	11/1/96	REVISE TO ADD SHALLOW MARSH, REMOVE STORMCEPTOR SYSTEM
2	03/07/96	REDUCE REVISION TO ADD 3' LEU HOUSE TYPE C
3	3-21-97	REVISE AVALON HOUSE TYPE FOR 2' EXTENSION
4	1-14-98	ADD THE DURHAM HOUSE TYPE

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6400 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 400-6100

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Richard Blazel 8/26/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
Frank V. ... 8/26/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 DIRECTOR

PERMIT INFORMATION CHART					
SUBDIVISION NAME					
NORTH LAUREL PARK					
BLOCK "M", LOTS 4 THRU 19					
SECTION	PARCEL #	LIBER & FOLIO	PREVIOUS FILE:		
N/A	426	L 61 F.470	N/A		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
61/470	M	R-SC	50	6th	6027
WATER CODE		SEWER CODE			
G01		1257013			
SCALE:	AS SHOWN		DATE:		JAN. 26, 1996

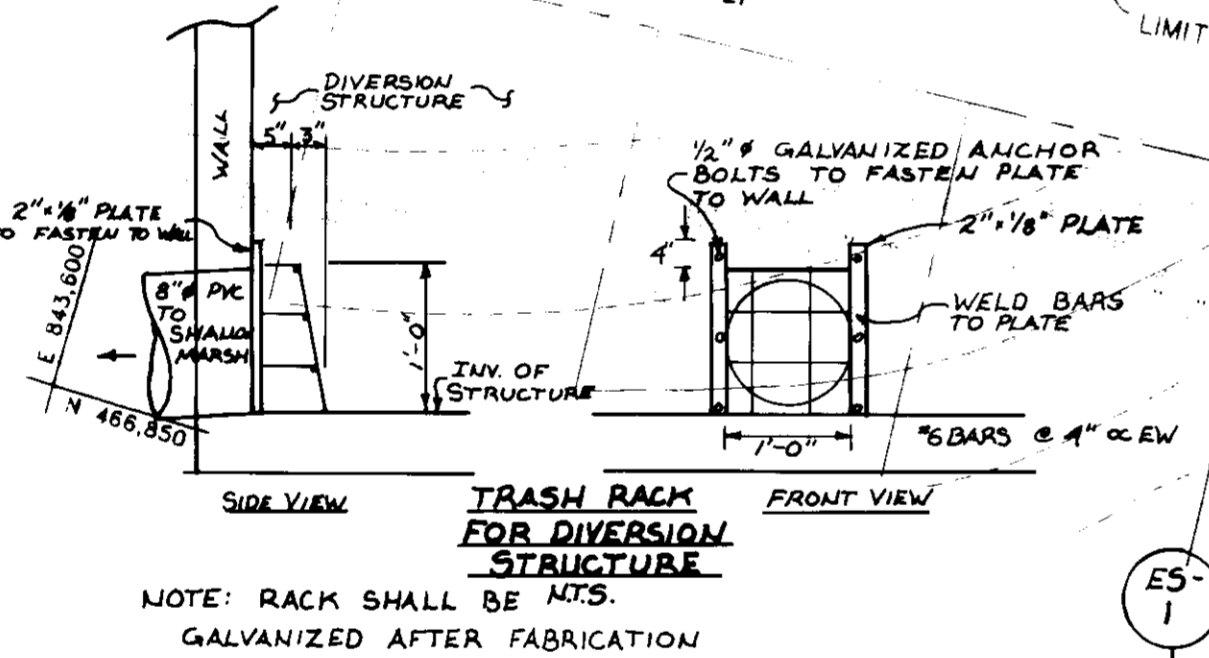
OWNER/DEVELOPER:	PROJECT:
CORNERSTONE HOMES 6571 HUNTSIRE DRIVE ELKRIDGE, MARYLAND 21227 (410) 379-0157	NORTH LAUREL PARK BLOCK "M", LOTS 4 THRU 19
LOCATION: TAX MAP 50 - PARCEL 426 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE: GENERIC SITE DEVELOPMENT PLAN	
DATE: JAN. 26, 1996	PROJECT NO. 0856
DESIGN: YSL	DRAFT: YSL
CHECK: CAM	SCALE: AS SHOWN
DRAWING 1 OF 6	



SHALLOW MARSH PLANTING

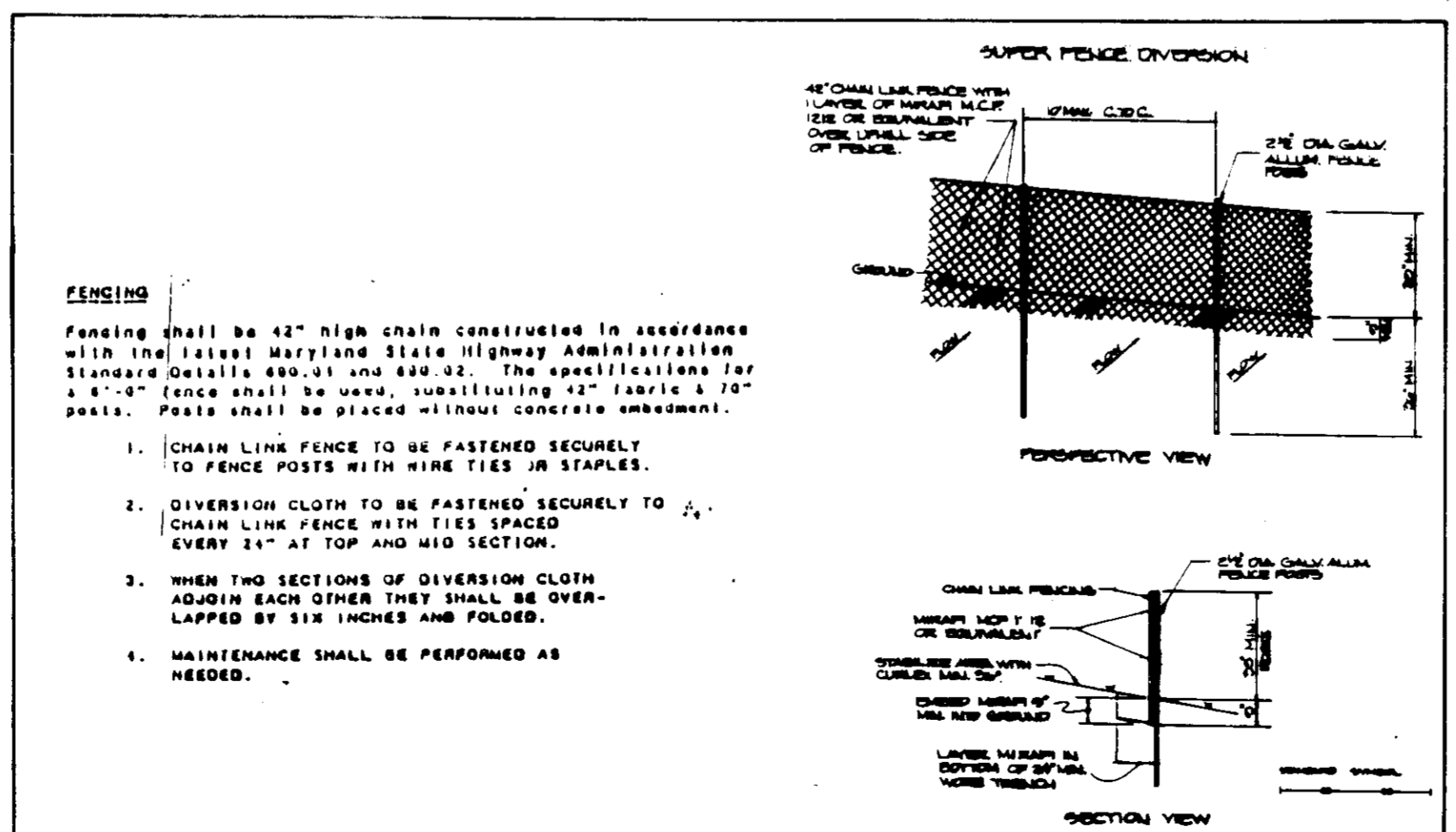
PLANT TYPE	SPACING
1 SOFT RUSH	2-3 FT APART
2 WOOL GRASS	2-3 FT APART
3 CATTAIL	2-3 FT APART

SEED SHALLOW MARSH WITH BARNYARD, RYE AND REDTOP GRASS MIXTURE
 * PLANT OVER 1/3 OF SHALLOW MARSH AREA.
 ** PLANT IN DEEP PORTION OF SHALLOW MARSH.



- SHALLOW MARSH MAINTENANCE REQUIREMENTS**
- 1 REMOVE SILT WHEN ACCUMULATION EXCEEDS 4" IN THE FOREBAY.
 - 2 REMOVE PAPER TRASH, ACCUMULATION AS NECESSARY.
 - 3 NO VEGETATION ALLOWED TO GROW ON THE EMBANKMENT FACE OR TOP IN EXCESS OF 18" IN HEIGHT.
 - 4 ANNUAL INSPECTION OF DIVERSION STRUCTURE IS REQUIRED REPAIR AS NECESSARY.
 - 5 CORRECTIVE MAINTENANCE IS REQUIRED ANYTIME THE FOREBAY DOES NOT DRAIN DOWN WITHIN 60 HOURS.

PLAN VIEW
SCALE: 1" = 30'



U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

SUPER FENCE DIVERSION

STANDARD DRAWING

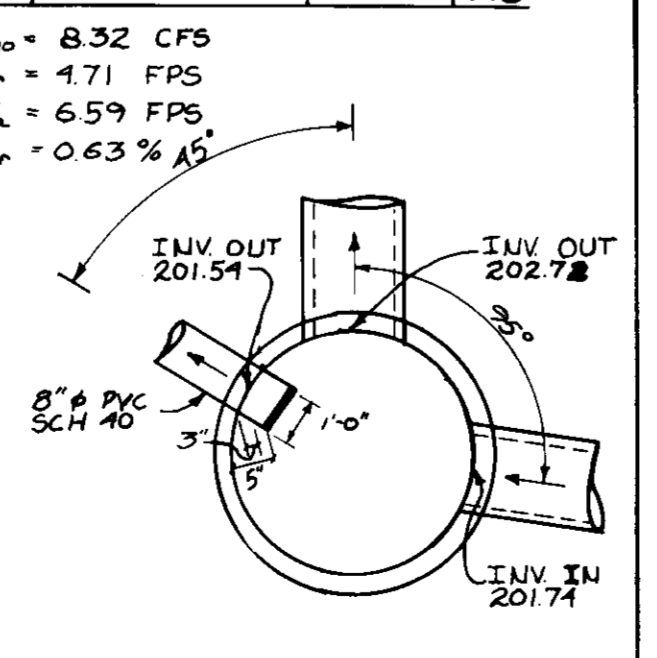
LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- DIRECTION OF DRAINAGE
- EXISTING SEWER
- EXISTING WATER MAIN
- PROPOSED TREE LINE
- EXISTING TREE LINE
- PROPOSED EASEMENT
- PROP. AREA OF USEABLE YARD
- PROPOSED PAVING

MIN. CELLAR ELEVATION**

LOT NO.	SHC INVERT @ ESM†	MIN. CELLAR ELEVATION
4-M	200.25	204.09
5-M	202.25	206.13
6-M	204.26	208.18
7-M	207.26	211.18
8-M	210.26	214.14
9-M	213.26	217.10
10-M	216.26	220.14
11-M	219.26	223.18
12-M	224.36	228.26
13-M	226.82	230.66
14-M	229.07	232.91
15-M	231.32	235.20
16-M	233.57	237.49
17-M	235.82	239.70
18-M	238.07	242.13
19-M	239.25	243.39

** DATA FROM W & S CONT. #



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Howard County
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 8/23/96

Richard Blood
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 DATE: 8/26/96

Mark V. Dwyer
 DIRECTOR
 DATE: 8/26/96

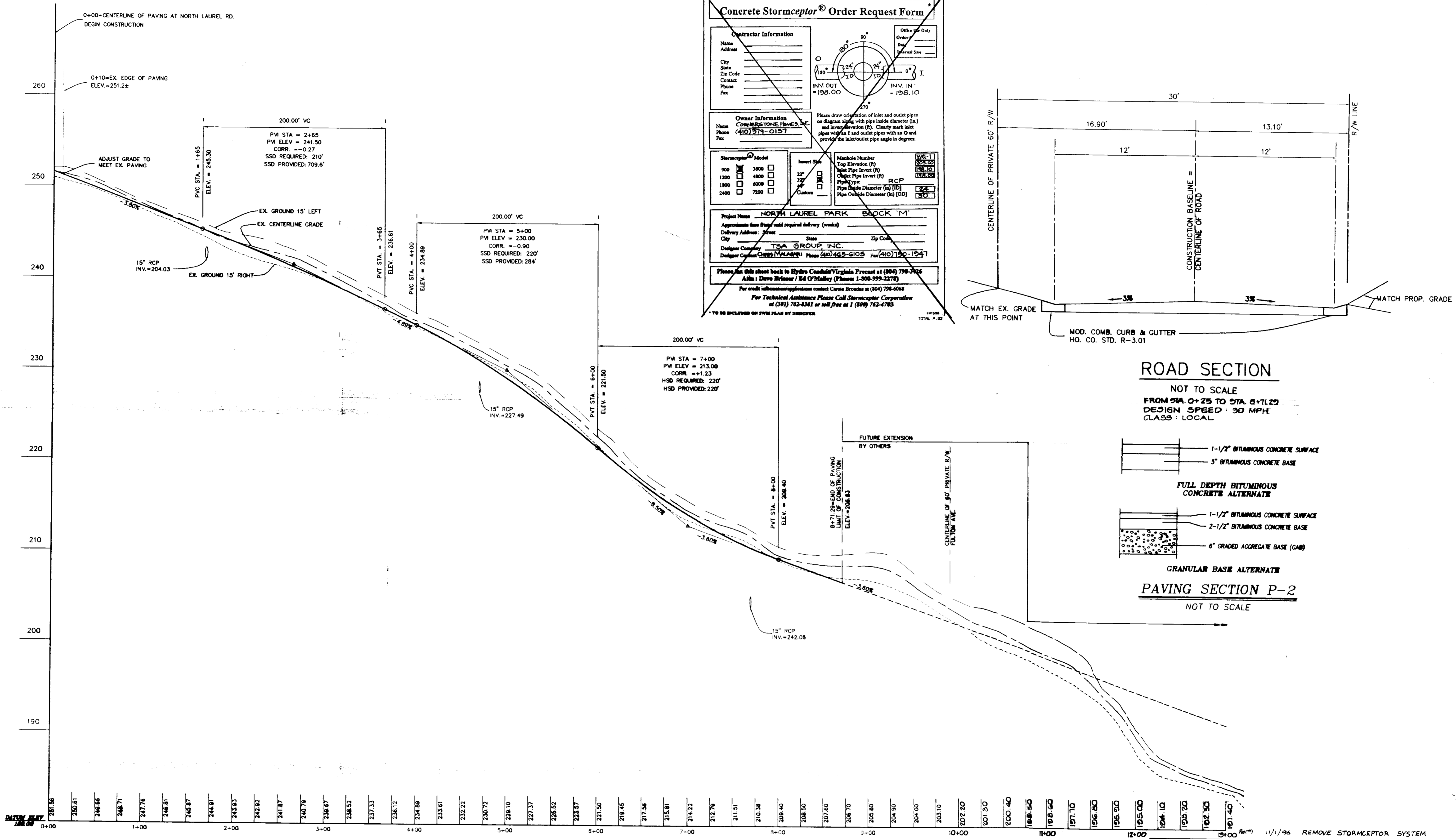
NO	DATE	REVISION
0	1/26/96	SUBMISSION TO COUNTY FOR REVIEW AND APPROVAL.
1	11/1/96	REVISE TO ADD SHALLOW MARSH, REMOVE STORMCEPTOR SYSTEM.
2	02/07/97	REDLINE REVISION TO ADD 3 NEW HOUSE TYPES, ADD POTENTIAL EXPANSION, AND RAISE GENERIC BOX ON LOT 6.
3	3-21-97	REDLINE REVISION TO RAISE LOT 9 BULK "M" AND SHOW 2" EXTENSION.
4	1-14-98	RESITE LOT 13

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PERMIT INFORMATION CHART

SUBDIVISION NAME			
NORTH LAUREL PARK			
BLOCK "M", LOTS 4 THRU 19			
SECTION	PARCEL #	LIBER & FOLIO	PREVIOUS FILE:
N/A	428	L.B. F.470	N/A
PLAT No.	BLOCK No.	ZONE	TAX MAP
61/470	M	R-SC	50
WATER CODE	SEWER CODE	ELEC. DIST.	CENSUS
G01		6th	6027
SCALE:	DATE:	DESIGN:	DRAFT:
AS SHOWN	JAN. 26, 1998	YSL	YSL

OWNER/DEVELOPER:	PROJECT:
CORNERSTONE HOMES 6571 HUNTSVILLE DRIVE ELKROGE, MARYLAND 21227 (410) 379-0157	NORTH LAUREL PARK BLOCK "M", LOTS 4 THRU 19
LOCATION:	TITLE:
TAX MAP 50 - PARCEL 428 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	GENERIC SITE DEVELOPMENT PLAN
DATE:	PROJECT NO.:
JAN. 26, 1998	0856
DESIGN:	DRAFT:
YSL	YSL
CHECK:	SCALE:
CAM	AS SHOWN
DRAWING:	OF:
2	6



Concrete Stormceptor® Order Request Form

Contractor Information
 Name: _____
 Address: _____
 City: _____
 State: _____
 Zip Code: _____
 Contact: _____
 Phone: _____
 Fax: _____

Owner Information
 Name: _____
 Address: _____
 City: _____
 State: _____
 Zip Code: _____
 Contact: _____
 Phone: _____
 Fax: _____

Stormceptor® Model
 900 1200 1800 2400
 3600 4800 6000 7200

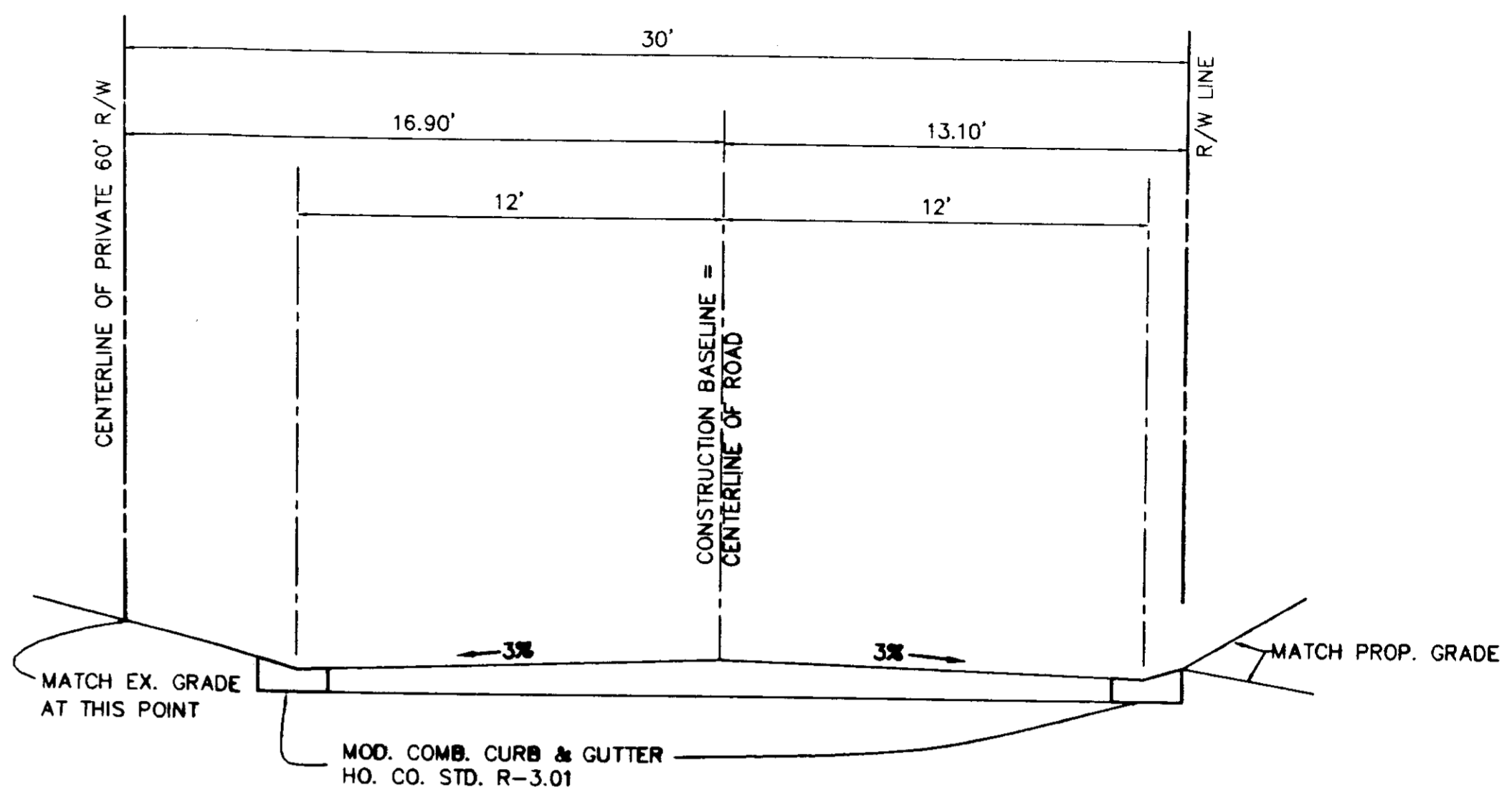
Invert Size
 22" 32" Custom

Manhole Number
 Top Elevation (ft) _____
 Inlet Pipe Invert (ft) _____
 Outlet Pipe Invert (ft) _____
 Pipe Type: RCP _____
 Pipe Inside Diameter (in) (ID) _____
 Pipe Outside Diameter (in) (OD) _____

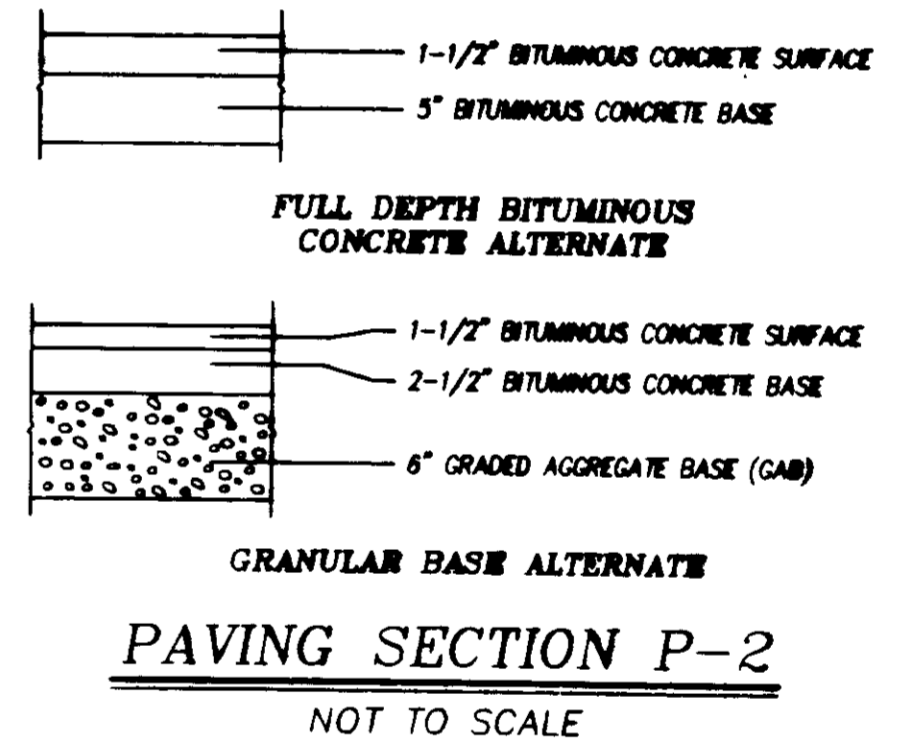
Project Name: NORTH LAUREL PARK BLOCK "M"
 Approximate time from order to required delivery (weeks): _____
 Delivery Address: _____
 City: _____ State: _____ Zip Code: _____
 Designer Company: TSA GROUP INC.
 Designer Contact: CHRIS MALABAR Phone: (410) 465-6105 Fax: (410) 790-1947

Please fax this sheet back to Hydro Control/Virginia Precast at (804) 798-3166
 Attn: Dave Reimer / Ed O'Malley (Phone 1-800-999-2278)
 For credit information/applications contact Carole Brocas at (804) 798-6068
 For Technical Assistance Please Call Stormceptor Corporation
 at (301) 762-4361 or toll free at 1 (800) 762-4783

* TO BE INCLUDED ON PAVEMENT PLAN BY DESIGNER



ROAD SECTION
 NOT TO SCALE
 FROM STA. 0+25 TO STA. 8+71.29
 DESIGN SPEED: 30 MPH
 CLASS: LOCAL



PARK AVE. ROAD PROFILE (PRIVATE ROAD)
 30 MPH DESIGN SPEED

SCALE: HOR. : 1" = 50'
 VET. : 1" = 5'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 01/23/96
 [Signature] 01/26/96
 [Signature] 01/24/96

PERMIT INFORMATION CHART

SUBDIVISION NAME NORTH LAUREL PARK			
BLOCK "M", LOTS 4 THRU 19			
SECTION N/A	PARCEL # 428	LIBER & FOLIO L.61 F.470	PREVIOUS FILE N/A
PLAT No. 61/470	BLOCK No. M	ZONE R-SC	TAX MAP 50
ELEC. DIST. 6th		CENSUS 6027	
WATER CODE G01		SEWER CODE 1257013	
SCALE: AS SHOWN		DATE: JAN.26.1996	

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 6000 Southwestern National Plaza • Millersville, Maryland 21104 • (410) 488-6100

OWNER/DEVELOPER:
 CORNERSTONE HOMES
 6571 HUNTSVILLE DRIVE
 ELK RIDGE, MARYLAND 21227
 (410) 379-0157

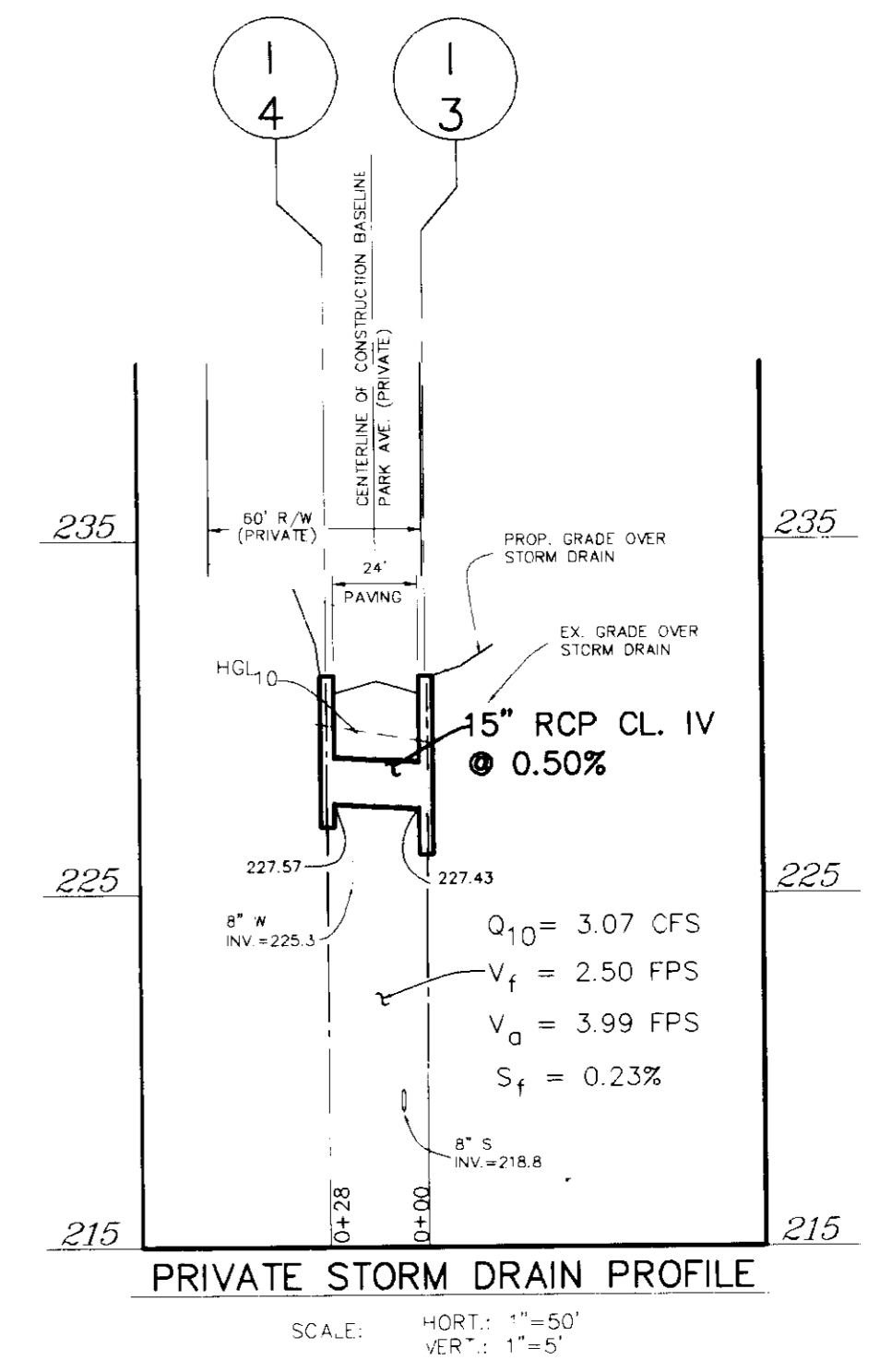
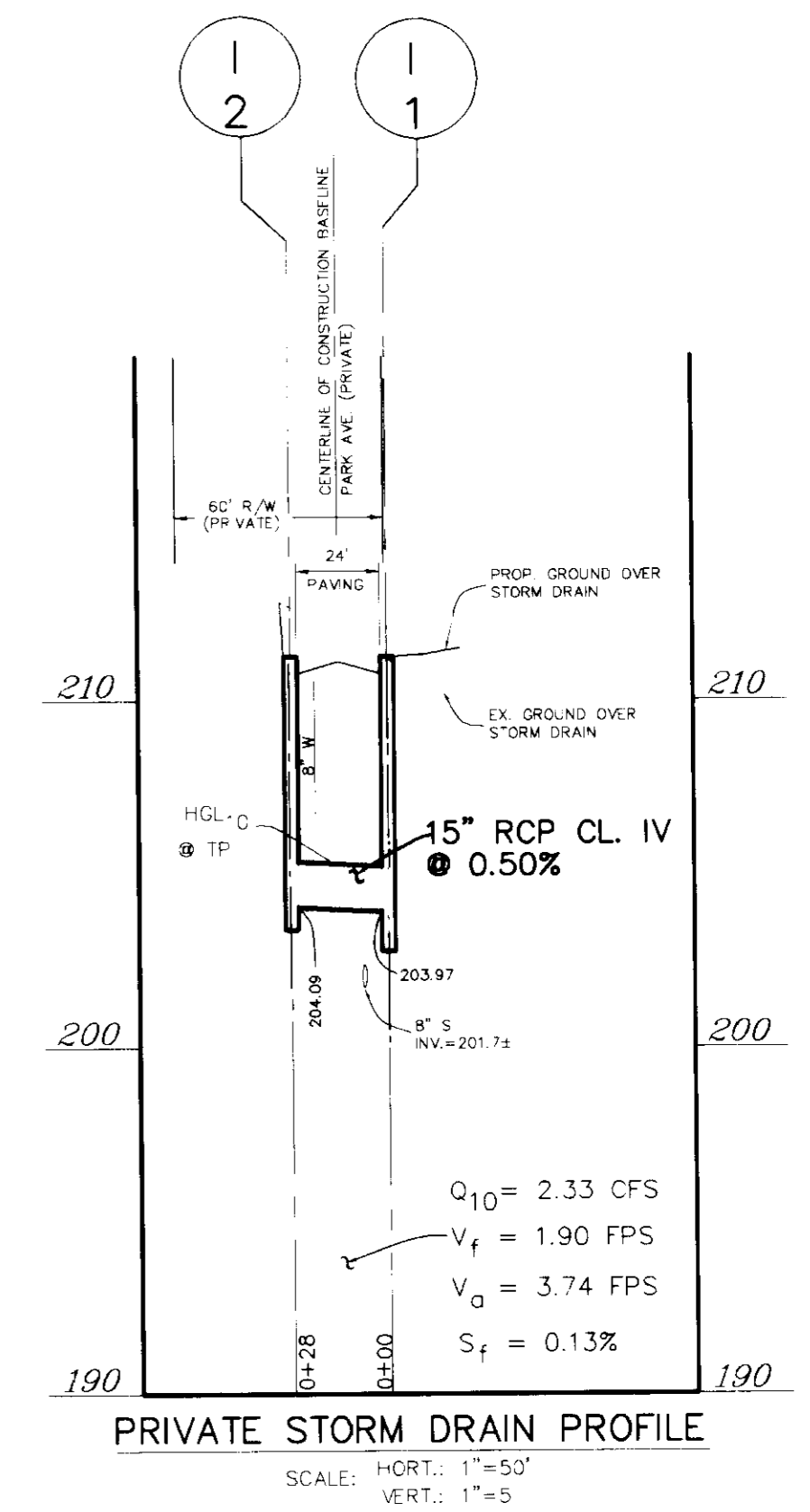
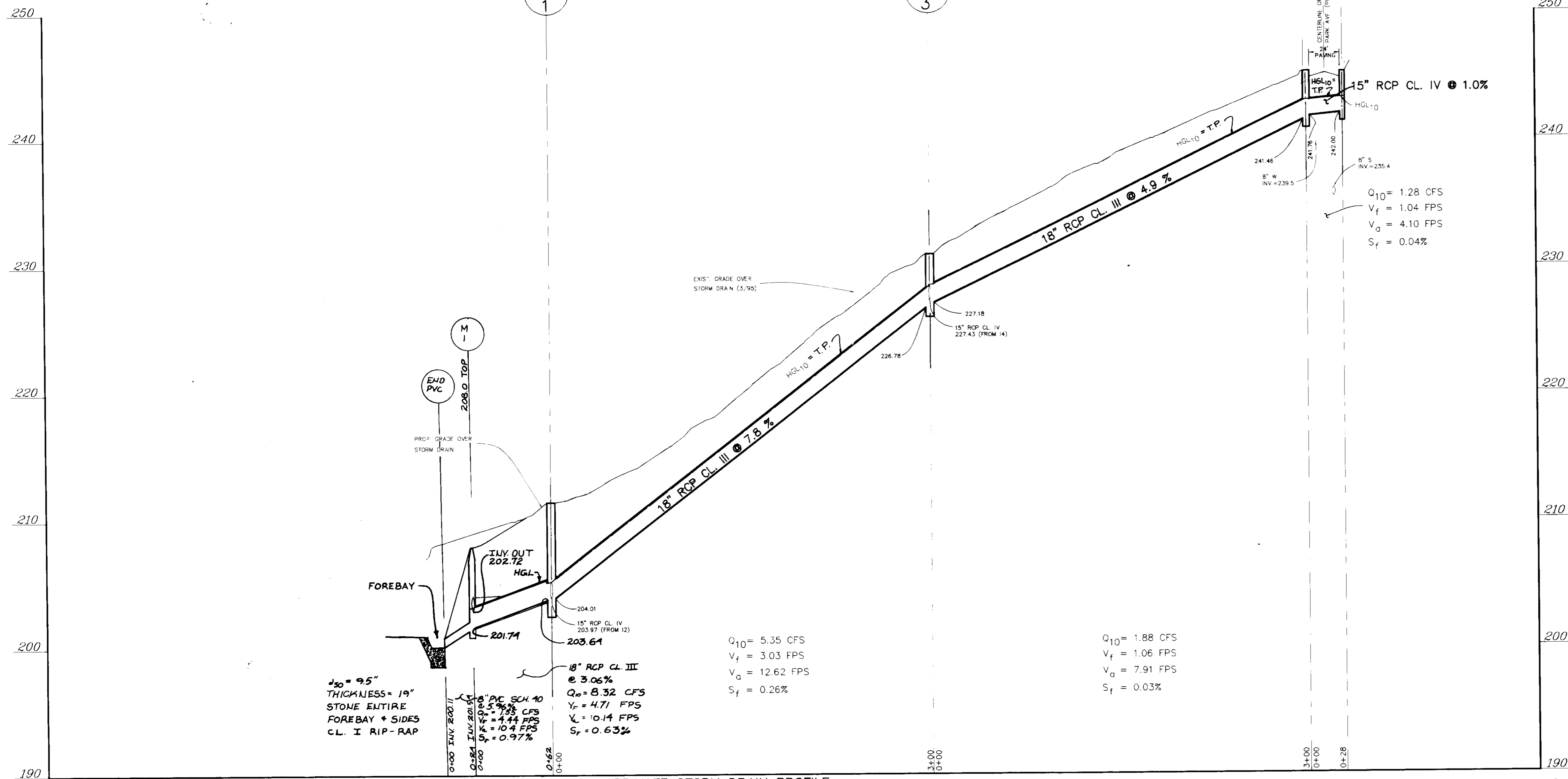
PROJECT:
NORTH LAUREL PARK
 BLOCK "M", LOTS 4 THRU 19

LOCATION:
 TAX MAP 50 - PARCEL 428
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE:
ROAD PROFILE & SECTION DETAIL

DATE: DEC. 1995 PROJECT NO. 0856
 SCALE: AS SHOWN DRAWING NO. OF 1

DESIGN: YSL DRAFT: YSL CHECK: CAM



PRIVATE STORM DRAIN PROFILE
SCALE: HORT.: 1"=50'
VERT.: 1"=5'

STORM DRAIN STRUCTURE SCHEDULE

STR NO	TYPE	INVERT OUT	INVERT IN	TOP SLAB ELEV.	LOCATION
M-1	DIVERSION M/H HO. CO. STD. G 5.12	201.51 / 202.72	201.74	208.0	
FUT. I-1A	PRECAST TYP. A-5 INLET HO. CO. STD. SD. 4.40				
FUT. I-2A	PRECAST TYP. A-10 INLET HO. CO. STD. SD. 4.41				
ES-1	CONCRETE END SECTION HOWARD CO. STD. SD. 5.51		202.0		
I-1	PRECAST TYP. A-10 INLET HOWARD CO. STD. SD. 4.41	203.64	204.01	211.00	B.L. STA 7+66.16 12' O/S RIGHT
I-2	PRECAST TYP. A-10 INLET HOWARD CO. STD. SD. 4.41	204.09		211.00	B.L. STA 7+66.16 12' O/S LEFT
I-3	PRECAST TYP. A-10 INLET HOWARD CO. STD. SD. 4.41	226.78	227.18	231.48	B.L. STA 4+66.49 12' O/S RIGHT
I-4	PRECAST TYP. A-10 INLET HOWARD CO. STD. SD. 4.41	227.57		231.48	B.L. STA 4+66.49 12' O/S LEFT
I-5	PRECAST TYP. A-5 INLET HOWARD CO. STD. SD. 4.40	241.46	241.76	245.38	B.L. STA 1+69.16 12' O/S RIGHT
I-6	PRECAST TYP. A-10 INLET HOWARD CO. STD. SD. 4.41	242.00		245.38	B.L. STA 1+69.16 12' O/S LEFT

NOTES:
1. B.L. DENOTES CONSTRUCTION BASELINE
2. TOP SLAB ELEVATION IS AT MID-POINT OF INLET STRUCTURES.

PERMIT INFORMATION CHART

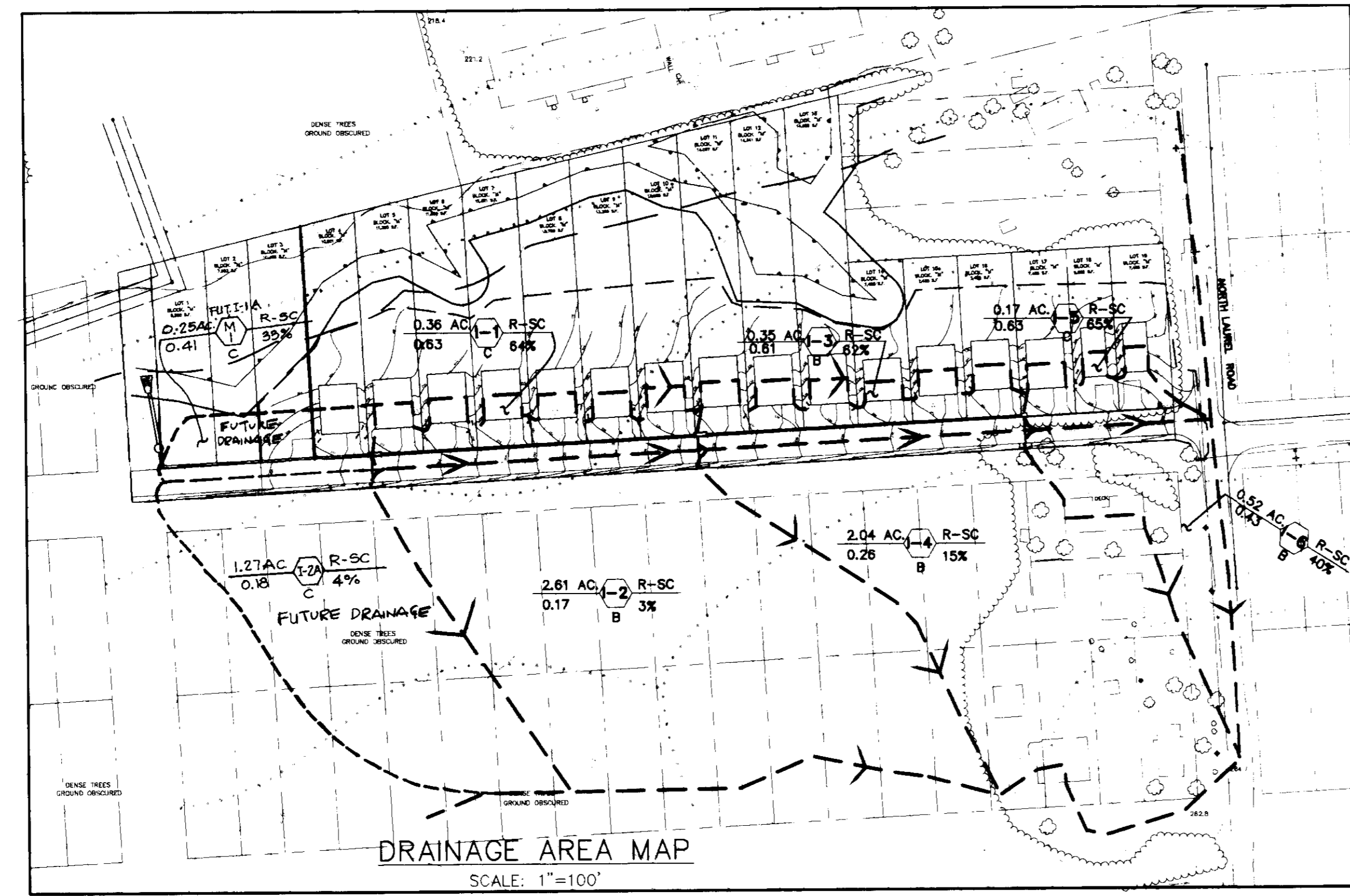
SUBDIVISION NAME NORTH LAUREL PARK				
BLOCK "M", LOTS 4 THRU 19				
SECTION N/A	PARCEL # 426	LIBER & FOLIO L 61 F. 470	PREVIOUS FILE: N/A	
PLAT No. 61/470	BLOCK No. M	ZONE R-SC	TAX MAP 50	ELEC. DIST. 6th
WATER CODE G01			SEWER CODE 257013	
SCALE: AS SHOWN		DATE: JAN. 26. 1996		

NO	DATE	REVISION
0	1/26/96	SUBMISSION TO COUNTY FOR REVIEW AND APPROVAL
1	11/1/96	REVISED TO ADD SHALLOW MARSH, REMOVE STORMCEPTOR SYSTEM.

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OWNER/DEVELOPER: CORNERSTONE HOMES 6571 HUNTSVILLE DRIVE ELK RIDGE, MARYLAND 21227 (410) 379-0157	PROJECT: NORTH LAUREL PARK BLOCK "M", LOTS 4 THRU 19
TITLE: PRIVATE STORM DRAIN PROFILES AND DRAINAGE AREA MAP	LOCATION: TAX MAP 50 - PARCEL 426 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: JAN. 26. 1996	PROJECT NO.: 0856
DESIGN: YSL	DRAFT: YSL
CHECK: CAM	SCALE: AS SHOWN
DRAWING NO. 4 OF 6	

SYMBOL	DESCRIPTION	GROUP
BeC3	BELTSVILLE SILT LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	C
BeD3	BELTSVILLE SILT LOAM, 13 TO 15 PERCENT SLOPES, MODERATELY ERODED	C
ScD	SANDY AND CLAYEY LAND MODERATELY SLOPING	D
SfC2	SASSAFRAS GRAVELLY SANDY LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED	B
JB	ILKA LOAM, LOCAL ALUVIUM 1 TO 5 PERCENT SLOPES	C

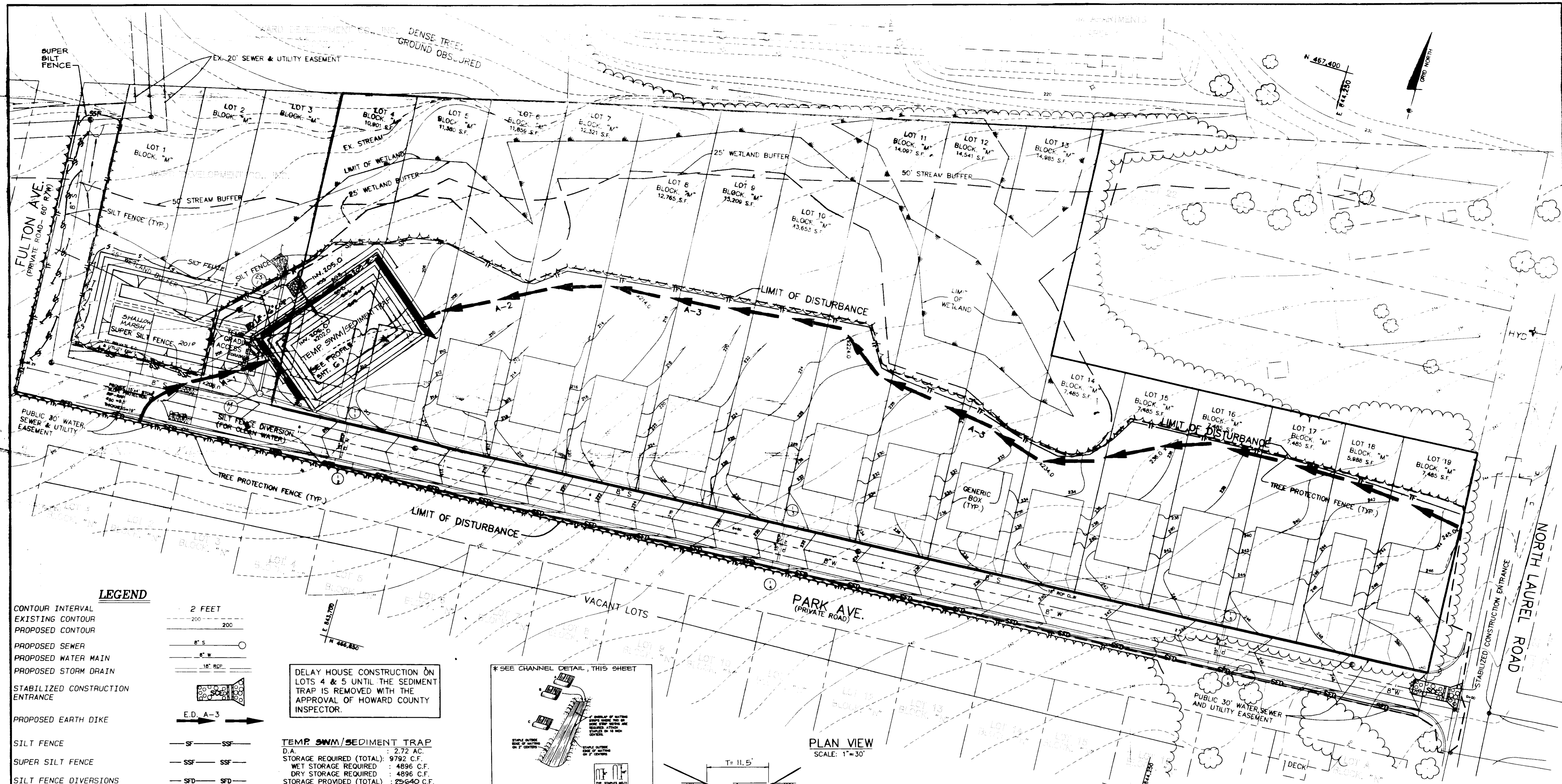


APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Richard Blood 8/23/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Richard Blood 8/26/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

Frank J. Caylor 8/26/96
DIRECTOR



LEGEND

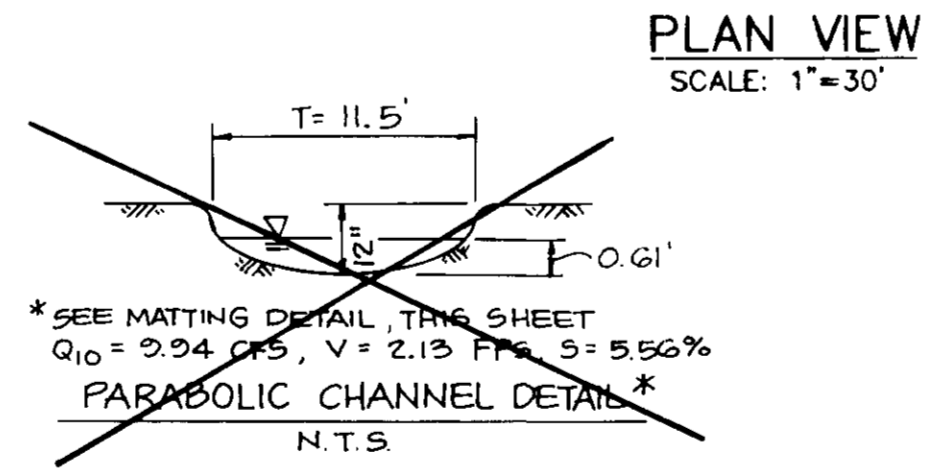
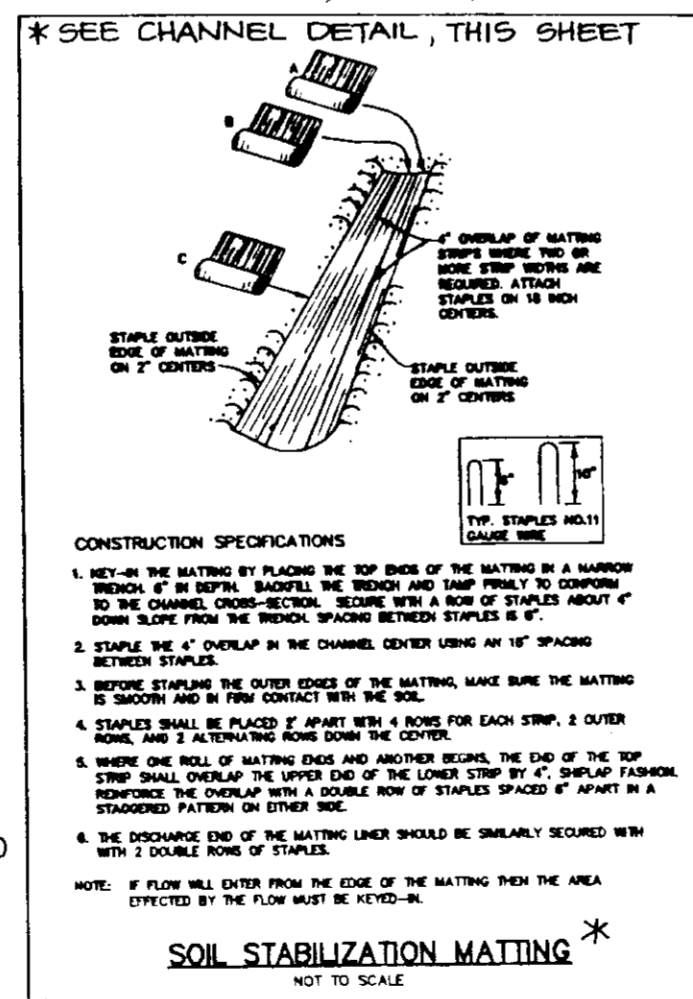
- CONTOUR INTERVAL: 2 FEET
- EXISTING CONTOUR: ---
- PROPOSED CONTOUR: - - -
- PROPOSED SEWER: ---
- PROPOSED WATER MAIN: ---
- PROPOSED STORM DRAIN: ---
- STABILIZED CONSTRUCTION ENTRANCE: [Symbol]
- PROPOSED EARTH DIKE: E.D. A-3 [Symbol]
- SILT FENCE: SF --- SF
- SUPER SILT FENCE: SSF --- SSF
- SILT FENCE DIVERSIONS: SFD --- SFD
- TREE PROTECTION FENCE: TF --- TF
- LIMIT OF DISTURBED AREA: - - -
- EXISTING TREE LINE: [Symbol]
- PROPOSED TREE LINE: [Symbol]

DELAY HOUSE CONSTRUCTION ON LOTS 4 & 5 UNTIL THE SEDIMENT TRAP IS REMOVED WITH THE APPROVAL OF HOWARD COUNTY INSPECTOR.

TEMP. SWM/SEDIMENT TRAP

D.A. : 2.72 AC.
 STORAGE REQUIRED (TOTAL) : 9792 C.F.
 WET STORAGE REQUIRED : 4896 C.F.
 DRY STORAGE REQUIRED : 4896 C.F.
 STORAGE PROVIDED (TOTAL) : 25640 C.F.
 WET STORAGE PROVIDED : 4922 C.F.
 DRY STORAGE PROVIDED : 20712 C.F.
 STORAGE DEPTH BELOW OUTLET: 4.0'
 WET STORAGE DEPTH : 2.0'
 DRY STORAGE DEPTH : 5.0'

BOTTOM DIMENSION : 32' x 62'
 BOTTOM ELEVATION : 202.00
 WET STORAGE LIMIT ELEV. : FROM 202.0 TO 204.0'
 DRY STORAGE LIMIT ELEV. : FROM 204.00 TO 209.00
 EMBANKMENT ELEVATION : 209.00
 G.P.M.V. ELEVATION : 206.00
 CLEANOUT ELEVATION : 203.00



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.

Dorak' Mason 5/10/96
 Date

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 sediments and erosion before beginning the project. I also authorize periodic onsite inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary.

B. D. Boy 5/10/96
 Date

NO	DATE	REVISION
0	1/26/96	SUBMISSION TO COUNTY FOR REVIEW AND APPROVAL
1	1/11/96	REVISED TO REMOVE STORMCEPTOR SYSTEM, ADD SHALLOW MARSH

TSA GROUP, INC.
 planning • architecture • engineering • surveying
 8480 Baltimore National Pike • Millersville, Maryland 21104 • (410) 465-8106

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Richard Blood 5/22/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Mark J. Mrazek 5/22/96
 CHIEF, DEPARTMENT OF LAND DEVELOPMENT AND RECREATION

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

J. H. Woolfield 5/16/96
 NATURAL RESOURCES CONSERVATION SERVICE

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

John R. Blanton 5/16/96
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

PERMIT INFORMATION CHART

SUBDIVISION NAME: NORTH LAUREL PARK							
BLOCK "M", LOTS 4 THRU 19							
SECTION N/A	PARCEL # 426	LIBER & FOLIO L61 F.470	PREVIOUS FILE: N/A				
PLAT No. 61/470	BLOCK No. M	ZONE R-SC	TAX MAP 50	ELEC. DIST. 6th	CENSUS 6027		
WATER CODE 001	SEWER CODE 1257013						
SCALE: AS SHOWN	DATE: JAN. 26, 1996						

OWNER/DEVELOPER: CORNERSTONE HOMES
 6571 HUNTSVILLE DRIVE
 ELKRIDGE, MARYLAND 21227
 (410) 379-0157

PROJECT: NORTH LAUREL PARK
 BLOCK "M", LOTS 4 THRU 19

LOCATION: TAX MAP 50 - PARCEL 426
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: EROSION & SEDIMENT CONTROL PLAN

DATE: JAN. 26, 1996 PROJECT NO. 0856

DESIGN: YSL DRAFT: YSL CHECK: CAM SCALE: AS SHOWN DRAWING: 9. OF 6.

PERMANENT SEEDING NOTES

Apply to graded or cleared area 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, discing 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 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) 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 sf).
- 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. Harrow or disc into upper three inches of soil.

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 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through 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 sf) of unrotted 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. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

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

SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections and Permits, Sediment Control Division prior to the start of any construction (313-1855).
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 most current "Maryland Standards and Specifications for Soil Erosion and Sediment Control", and revisions thereto.
3. Following initial soil disturbances 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 calendar days as to 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 Vol. 1, Chapter 12, 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 "1991 Maryland Standards and Specifications for Soil Erosion and Sediment Control" for Permanent Seeding (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.
6. 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.
7. Site Analysis:
Total Area of Site: 3.97± acres
Area to be Disturbed: 3.15± acres
Area to be roofed or paved: 1.04± acre
Area to be vegetatively stabilized: 2.11± acres
Total Cut: 3500 cy.
Total Fill: 2800 cy.
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 approvals may not be authorized until this initial approval by the inspection agency is made.
11. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.
12. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.
* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

SEQUENCE OF CONSTRUCTION

Notify Sediment Control Division 48 hours prior to start of construction.

1. Obtain grading permit
 2. Install new sediment and erosion control devices and stabilize. Install tree protection fence as indicated on plan.
 3. Rough grade road way
 4. Install storm drain system
 5. Install water and sewer mains
 6. Construct curb & gutter, and roadway
 7. Excavate for foundations, rough grade and temporarily stabilize. Except Lots 4 & 5, delay construction of these lots until the site is stabilized and the trap is removed with the approval of the Howard County Sediment Control Inspector. Note: silt fence may be required along the perimeter of each house construction.
 8. Construct house and driveway.
 9. Final grade and stabilize in accordance with standards and specifications.
 10. Upon approval of the Howard County sediment control inspector, remove sediment and erosion control devices and stabilize.
- * INDICATES SINGLE HOUSE CONSTRUCTION.

TEMPORARY SEEDING NOTES

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

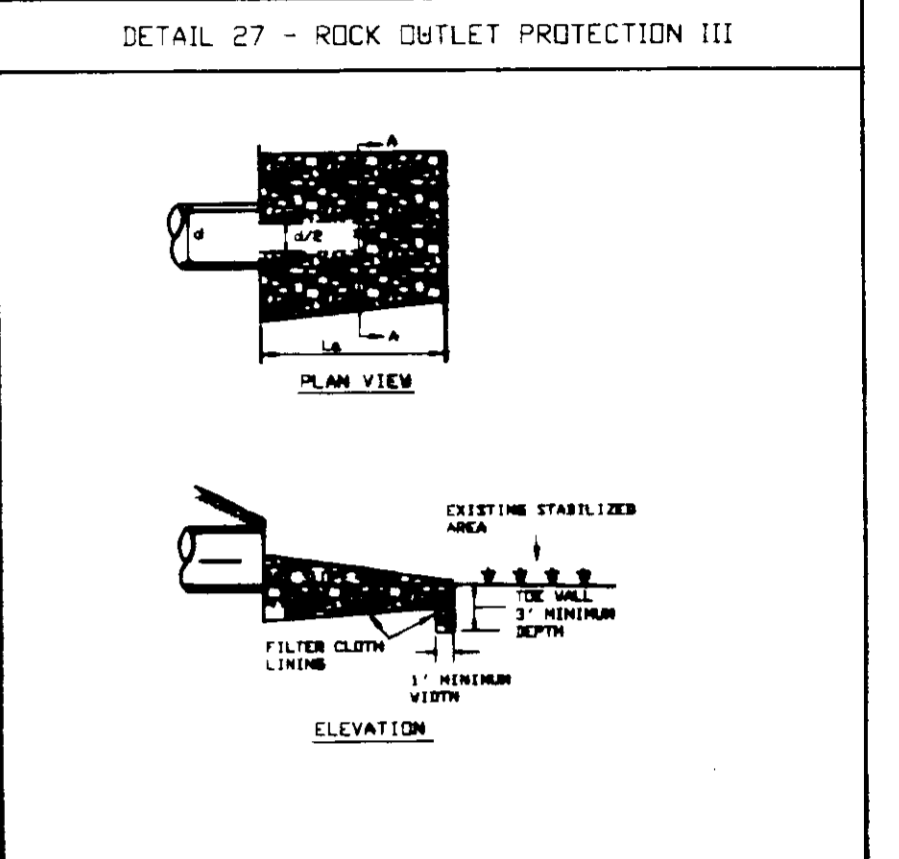
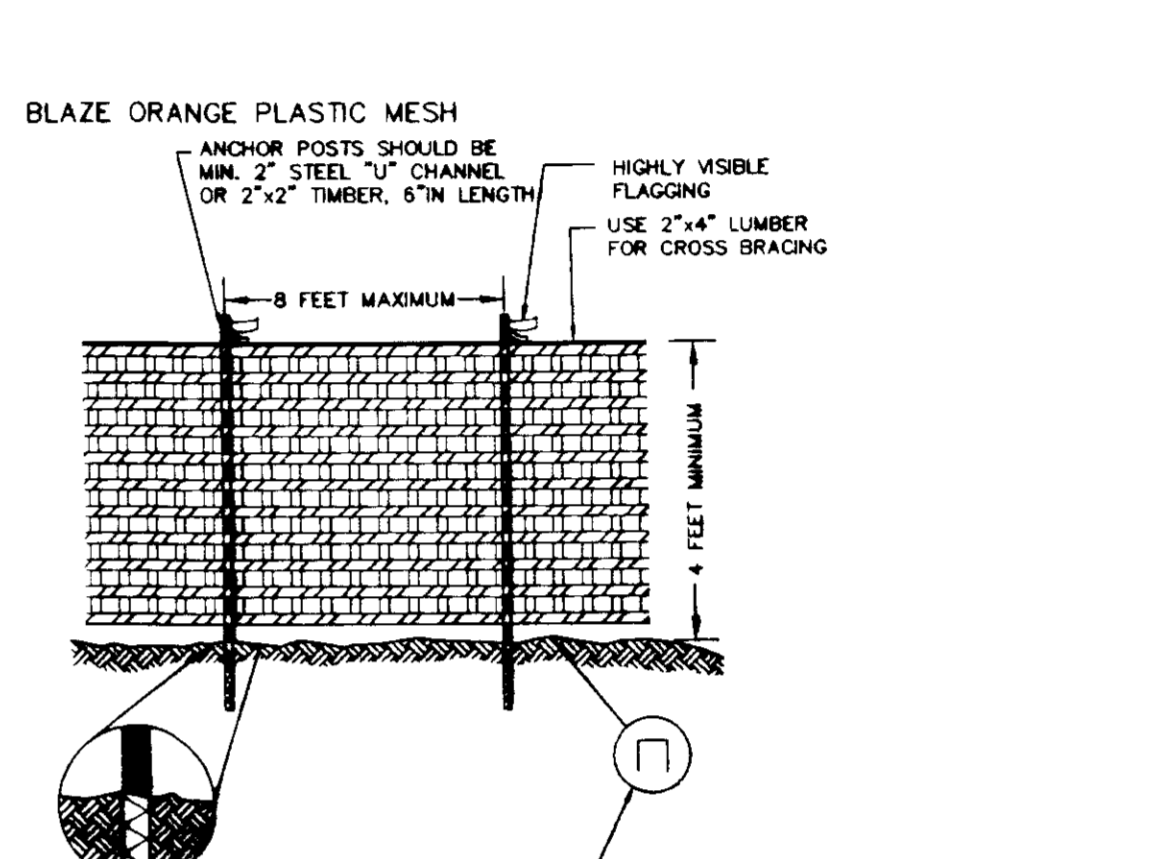
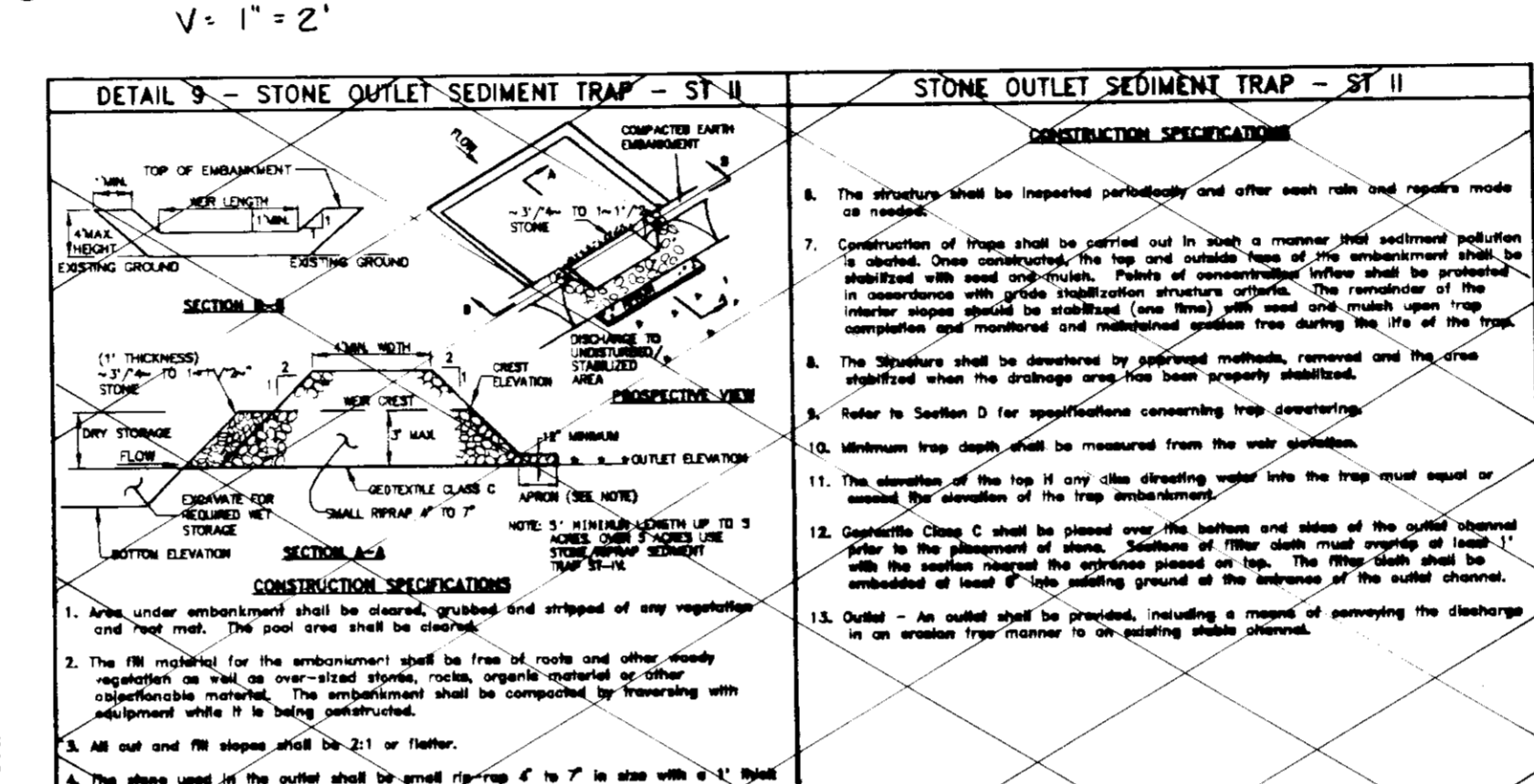
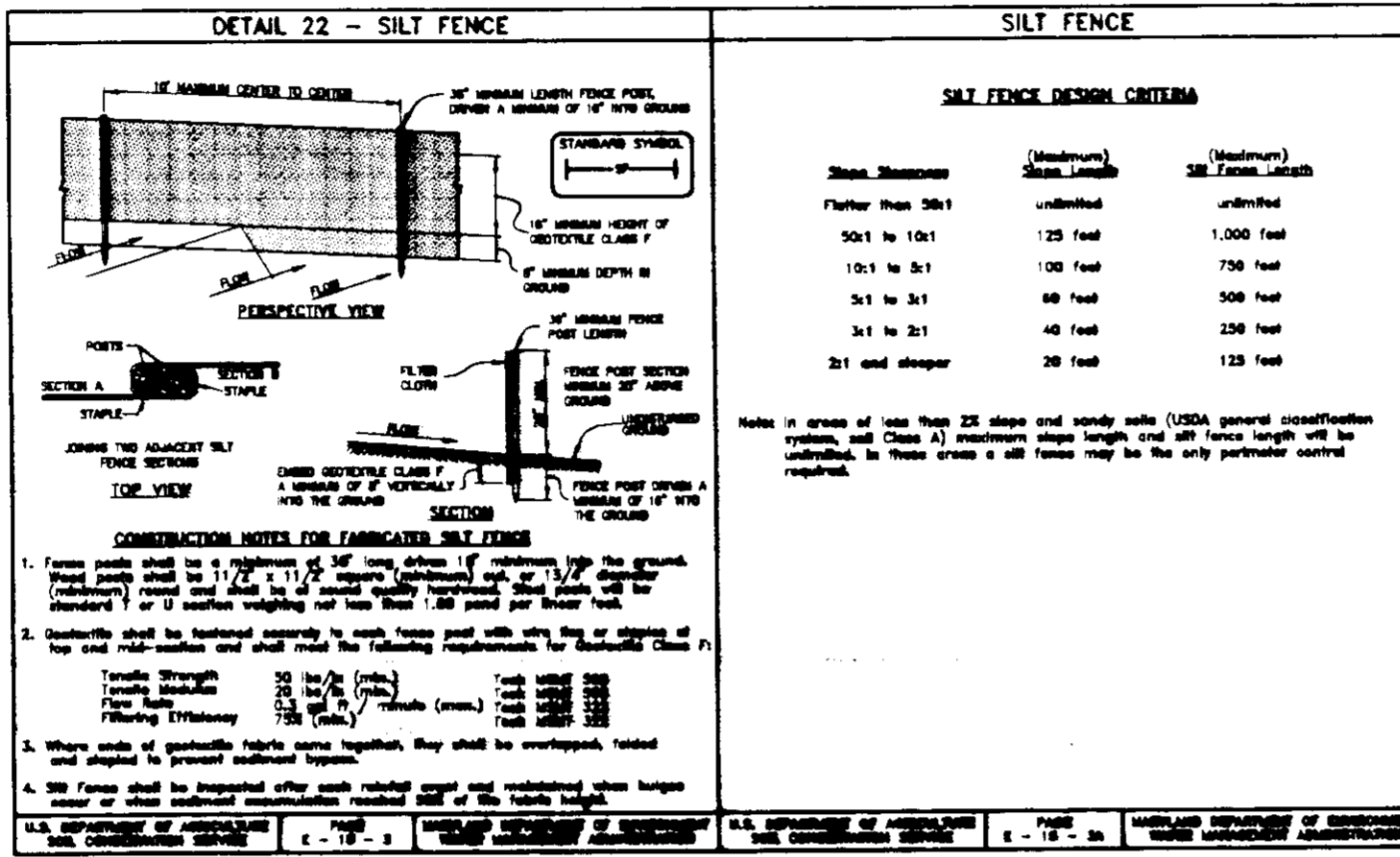
Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. (If not previously loosened)

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). For the period November 16 through 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 sf) of unrotted 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. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Refer to the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
 [Signature] 6/23/96
 [Signature] 8/26/96
 [Signature] 8/26/96

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 [Signature] 8/16/96
 [Signature]

APPROVED: THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 [Signature] 8/16/96