

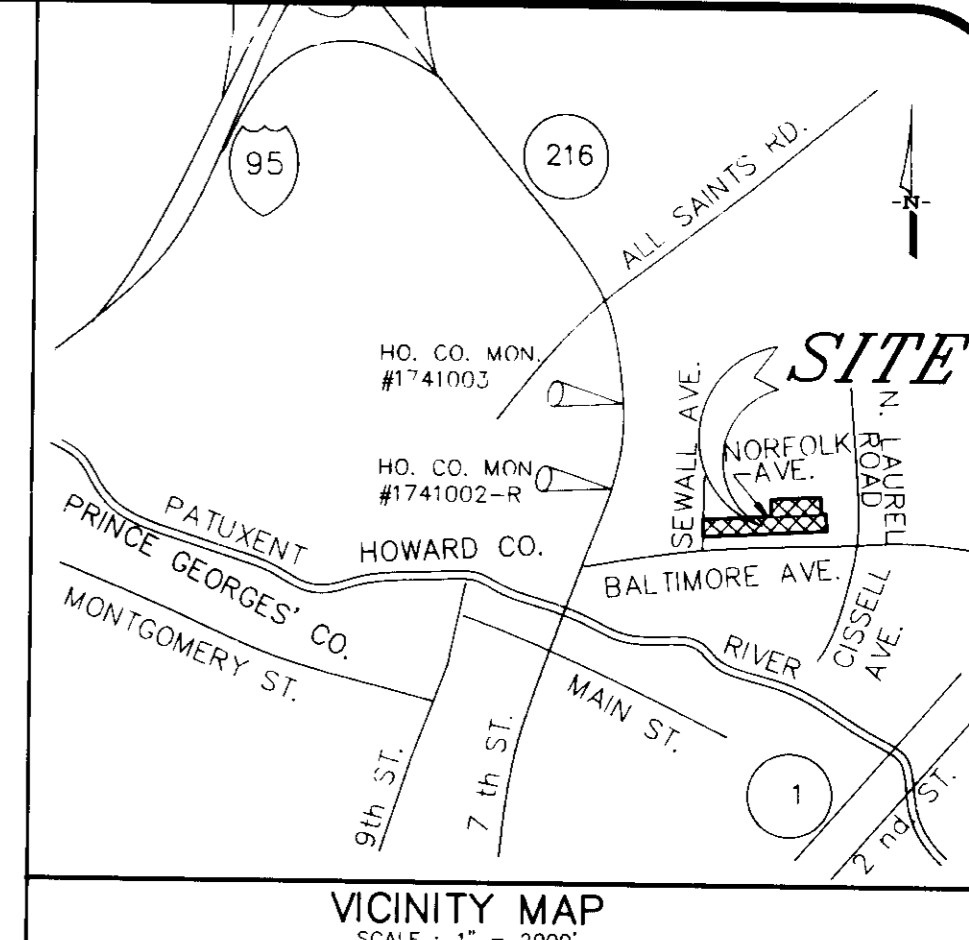
NOTE:
▲ DENOTES LOCATIONS OF "NO PARKING-FIRE LANE" AND "TOW AWAY ZONE" SIGNS. SEE SHEET 6 FOR DETAILS.

PLANT LIST			
SYMBOL	QUANTITY	NAME	REMARKS
▲	38	PARK CALLERYANA "REDSPRINT" PEAK OR EQUAL	2-1/2" MIN. CAL. B & B FULL HEAD

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 MAG. OF RTE. 216, FLUSH WITH SURFACE. ELEV.=197.368

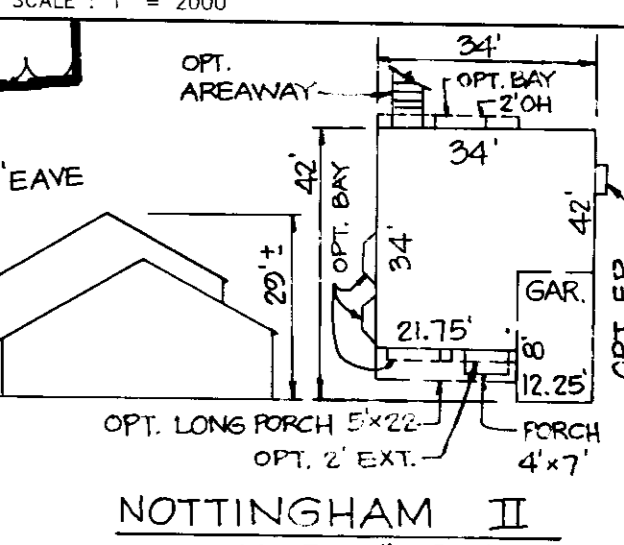
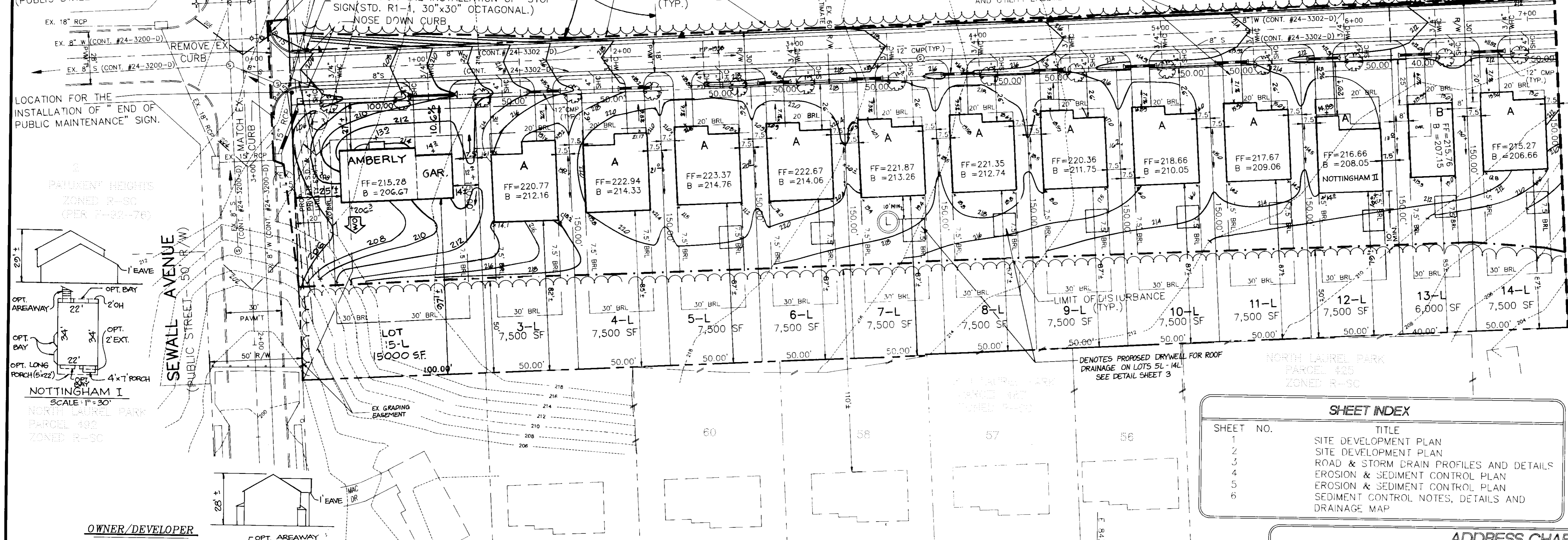


MINIMUM LOT SIZE CHART						
LOT NO.	GROSS AREA	IMPERM. AREA	REMAINING AREA	100 YR. FLOODPLAIN	25% SLOPE	MINIMUM LOT SIZE
1	7500 S.F.	0	7500 S.F.	0	2.98%	45.14 S.F.
2-L	7500 S.F.	0	7500 S.F.	0	1.5%	7398 S.F.

NOTE: ALL STEEP SLOPES ARE MAN-MADE.
NOTE: THIS CHART IS FOR INFORMATIONAL PURPOSES ONLY. THESE LOTS ARE NOT SUBJECT TO THE MINIMUM LOT SIZE REQUIREMENTS OF THE SUBDIVISION REGULATIONS.

JACKSON COURT
(PUBLIC STREET- 50' R/W)

NORFOLK AVE. (PRIVATE)



MIN. CELLAR ELEVATION

LOT #	BLOCK	SEWER INVERT @ ESM'T	MIN. CELLAR ELEVATION
1	L	199.44	202.80
2	L	203.20	206.54
3	L	205.34	208.68
4	L	208.97	212.33
5	L	209.40	212.76
6	L	208.70	212.06
7	L	207.90	211.26
8	L	207.38	210.74
9	L	206.39	209.75
10	L	204.69	208.05
11	L	203.70	207.06
12	L	202.69	206.05
13	L	201.79	205.15
14	L	199.95	203.66
15	L	203.49	207.79
16	L	203.90	208.20
17	L	204.76	209.06
18	L	206.65	209.99
19	L	207.72	211.06
20	L	208.16	211.50
21	L	208.15	211.49
22	L	206.17	209.51
23	L	203.66	206.56
24	L	204.02	206.92
25	L	200.49	203.39
26	L	200.69	203.59
27	L	200.99	203.84
28	L	203.52	206.88
29	L	204.44	207.80
30	L	204.94	208.30
31	L	205.01	208.37
32	L	204.82	208.18
33	L	204.55	207.91
34	L	202.98	206.34
35	L	203.44	206.80

SHEET INDEX	
SHEET NO.	TITLE
1	SITE DEVELOPMENT PLAN
2	ROAD & STORM DRAIN PROFILES AND DETAILS
3	EROSION & SEDIMENT CONTROL PLAN
4	EROSION & SEDIMENT CONTROL PLAN
5	SEDIMENT CONTROL NOTES, DETAILS AND DRAINAGE MAP
6	

ADDRESS CHART					
LOT NUMBER	BLOCK	STREET ADDRESS	LOT NUMBER	BLOCK	STREET ADDRESS
15	L	9696 NORFOLK AVENUE	24	P	9625 NORFOLK AVENUE
3	L	9692 NORFOLK AVENUE	25	P	9621 NORFOLK AVENUE
4	L	9688 NORFOLK AVENUE	26	P	9617 NORFOLK AVENUE
5	L	9684 NORFOLK AVENUE	27	P	9613 NORFOLK AVENUE
6	L	9680 NORFOLK AVENUE	28	P	9609 NORFOLK AVENUE
7	L	9676 NORFOLK AVENUE	29	P	9605 NORFOLK AVENUE
8	L	9672 NORFOLK AVENUE	1	Q	9640 NORFOLK AVENUE
9	L	9668 NORFOLK AVENUE	2	Q	9636 NORFOLK AVENUE
10	L	9664 NORFOLK AVENUE	3	Q	9632 NORFOLK AVENUE
11	L	9660 NORFOLK AVENUE	4	Q	9628 NORFOLK AVENUE
12	L	9656 NORFOLK AVENUE	5	Q	9624 NORFOLK AVENUE
13	L	9652 NORFOLK AVENUE	6	Q	9620 NORFOLK AVENUE
14	L	9648 NORFOLK AVENUE	7	Q	9616 NORFOLK AVENUE
20	P	9641 NORFOLK AVENUE	8	Q	9612 NORFOLK AVENUE
21	P	9637 NORFOLK AVENUE	9	Q	9608 NORFOLK AVENUE
22	P	9633 NORFOLK AVENUE	10	Q	9604 NORFOLK AVENUE
23	P	9629 NORFOLK AVENUE	11	Q	9600 NORFOLK AVENUE

SITE ANALYSIS

- Subject property is zoned: R-SC per 10-18-93 Comprehensive Zoning Plan. (RECORDED PLAT DATED 1998.)
- The total area included in this submission is: 7.479 Ac.
- The total number of lots included in this submission are 35. Total buildable lots are 35.
- Improvement to property: Single family detached.
- The maximum lot coverage permitted is: 60 %
- Site Density: (4.0 .D.U./Acre x Net Acre)
Net area = 7.479 Ac.
Total D.U. = 4.0 x 7.479 = 29.92 D.U.

* Per 1998 Recored Plat: total lot yield = 35 lots.

GENERAL NOTES

- 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.
- REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE PROVIDED BY THE COUNTY TO THE INTERSECTION OF SEWALL AVENUE AND NORFOLK AVENUE ONLY AND NOT ONTO NORFOLK AVENUE.
- DEVELOPER SHALL INSTALL SIGNS OF "NO PARKING-FIRE LANE" AND "TOW AWAY ZONE" ON THE NORTH SIDE OF NORFOLK AVENUE. INSTALLATION OF THE SIGNS MUST BE IN ACCORDANCE WITH HOWARD CO. DPW AND HOWARD CO. FIRE & RESCUE SERVICE'S GUIDELINE AND REGULATIONS. (SEE DETAIL SHEET 6 OF 6)
- DEVELOPER SHALL ESTABLISH A HOMEOWNERS ASSOCIATION WITH COVENANTS CONCERNING TRASH REMOVAL, AND MAINTENANCE OF NORFOLK AVENUE (A PRIVATE ROAD). MAINTENANCE OF STORMWATER QUALITY CONTROL DEVICES, AND OF PROPOSED AND/OR RETAINED TREES.
- STORMWATER MANAGEMENT DESIGN • COMPUTATION DATED JUNE 10, 1994. PREPARED BY TSA GROUP, INC.

OWNER/DEVELOPER
CORNERSTONE HOMES
6571 HUNTSBERRY DRIVE
ELKDRIDGE, MARYLAND 21227
(410) 379-0157

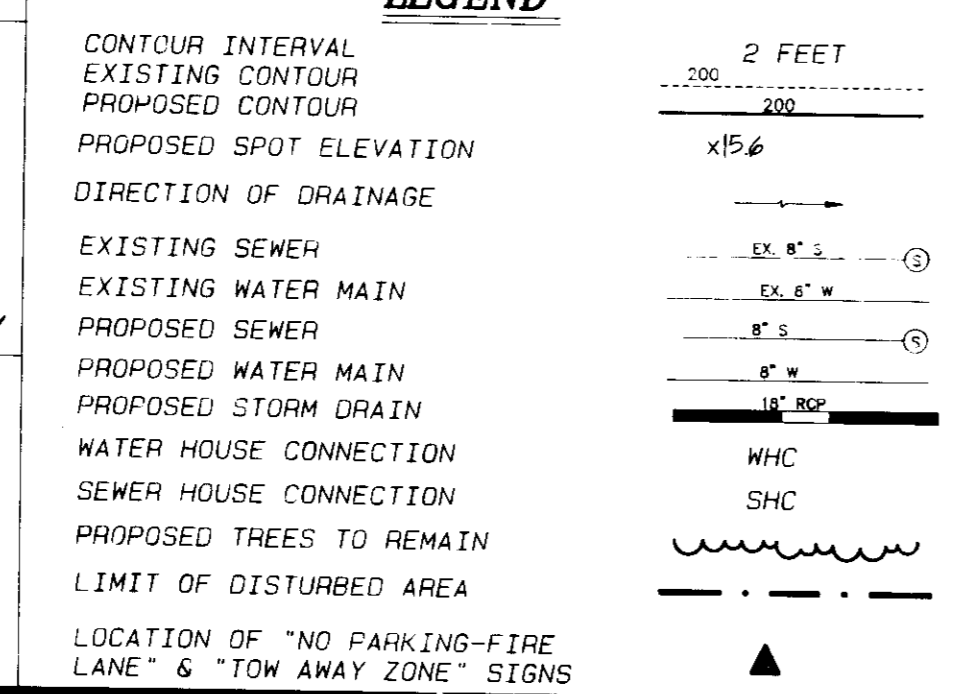
ENGINEER/SURVEYOR
MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELICOTT CITY, MARYLAND 21043
(410) 481-0078

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DATE: 8/12/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
DATE: 8/17/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WATER & SEWERAGE SYSTEMS
DATE: 8/15/94

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
DATE:



APPROVED: 9/30/94
PROJECT: 93012.00
DATE: 9/30/94
SCALE: 1" = 30'

ADDED: 7 HOUSE TYPES (CREA, INC.)
1. HSE REUSE LOTS 1/2 TO LOT 15 (TSA, INC.)
2. REUSE PER REVISED REVISIONS 2/16/94
3. SUBMISSION TO DEP FOR SIGNATURE APPROVAL 8/6/94
4. ADDRESS 11/17/93 COMMENIC & REVISIONAL TO L4-2
5. 1. 11/12/94
2. 11/12/94
3. 11/12/94
4. 11/12/94
5. 11/12/94

NOTTINGHAM I
SCALE: 1" = 30'

NOTTINGHAM II
SCALE: 1" = 30'

MIN. CELLAR ELEVATION

SHEET INDEX

ADDRESS CHART

SITE ANALYSIS

GENERAL NOTES

LEGEND

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WATER & SEWERAGE SYSTEMS

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS

LOT 14 Revision only 7/27/94

STATE OF MARYLAND
PROFESSIONAL ENGINEER
JAMES J. MOCHI
No. 1741003
Exp. 12/31/95

MILDENBERG, MOCHI & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
3300 North Ridge Road, Suite 235, Elicott City, Maryland 21043-3350
(410) 481-0078 • Fax: (410) 750-6340

LOT 3-15, BLK L; LOTS 20-29, BLK P; & LOTS 1-11, BLK Q
NORTH LAUREL PARK
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND
GENERIC SITE DEVELOPMENT PLAN

1 OF 6

LOT #	BLOCK	TYPE "1"	TYPE "2"	TYPE "3"	LOT #	BLOCK	TYPE "1"	TYPE "2"	TYPE "3"
1	L	N	N	Y	24	P	Y	Y	Y
2	L	Y	Y	Y	25	P	Y	Y	Y
3	L	Y	Y	Y	26	P	Y	Y	Y
4	L	Y	Y	Y	27	P	Y	Y	Y
5	L	Y	Y	Y	28	P	Y	Y	Y
6	L	Y	Y	Y	29	P	Y	Y	Y
7	L	Y	Y	Y	1	Q	Y	Y	Y
8	L	Y	Y	Y	2	Q	Y	Y	Y
9	L	Y	Y	Y	3	Q	Y	Y	Y
10	L	Y	Y	Y	4	Q	Y	Y	Y
11	L	Y	Y	Y	5	Q	Y	Y	Y
12	L	Y	Y	Y	6	Q	Y	Y	Y
13	L	N	Y	Y	7	Q	Y	Y	Y
14	L	Y	Y	Y	8	Q	Y	Y	Y
15	L	Y	Y	Y	9	Q	Y	Y	Y
16	L	Y	Y	Y	10	Q	Y	Y	Y
17	L	Y	Y	Y	11	Q	Y	Y	Y
18	L	Y	Y	Y	12	Q	Y	Y	Y
19	L	Y	Y	Y	13	Q	Y	Y	Y
20	P	Y	Y	Y	14	Q	Y	Y	Y
21	P	Y	Y	Y	15	Q	Y	Y	Y
22	P	Y	Y	Y	16	Q	Y	Y	Y
23	P	Y	Y	Y	17	Q	Y	Y	Y

Y = ALL OPTIONS EXCEPT AS INDICATED
N = ONLY DOES NOT FIT ON LOT

**** INFILTRATION FACILITY OPERATION & MAINTENANCE SCHEDULE**

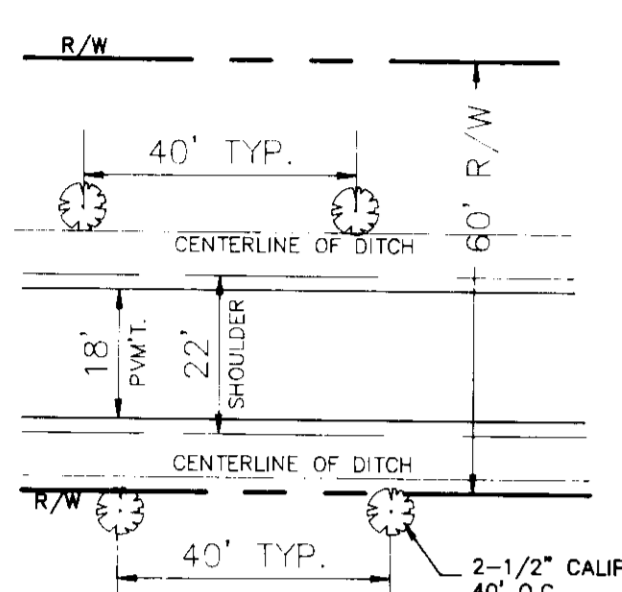
ITEM	MAINTENANCE FREQUENCY*
DEBRIS CLEANOUT - INLET GRATE - PIPE INLET	CLEANED WHEN MOWED AS NEEDED
REMOVAL OF SEDIMENT - INLET	WHEN 1.0' OF DEPTH IS DEPLETED
FACILITY REHABILITATION	ONCE/10-15 YEARS OR WHEN FACILITY FAILS TO DRAIN WITHIN 72 HOURS FOLLOWING A MAJOR STORM.

* INFILTRATION FACILITY SHOULD BE INSPECTED FOLLOWING EACH MAJOR STORM AND MUST BE INSPECTED AT LEAST ONCE PER YEAR. RECORDS SHALL BE MAINTAINED AND AVAILABLE FOR INSPECTION BY HOWARD COUNTY.
** INFILTRATION FACILITY TO BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION.

**** DRY WELL OPERATION & MAINTENANCE SCHEDULE**

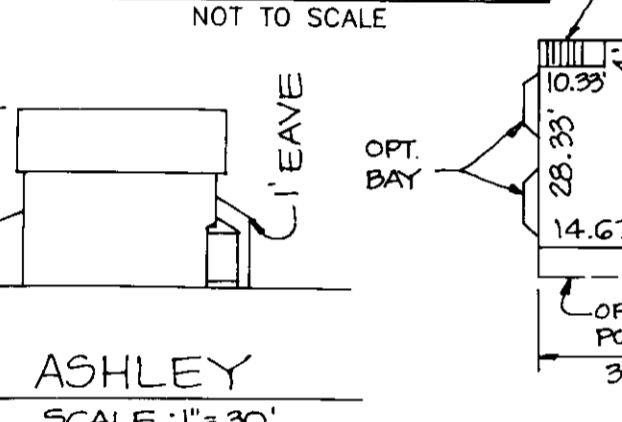
ITEM	MAINTENANCE FREQUENCY*
DEBRIS CLEANOUT - ROOF TOP GUTTER SCREEN	CLEANED AS NEEDED
FACILITY REHABILITATION	ONCE/10-15 YEARS OR WHEN FACILITY FAILS TO DRAIN WITHIN 72 HOURS FOLLOWING A MAJOR STORM.

* DRY WELLS SHOULD BE INSPECTED FOLLOWING EACH MAJOR STORM AND MUST BE INSPECTED AT LEAST ONCE PER YEAR BY THE HOMEOWNERS ASSOCIATION. RECORDS SHALL BE MAINTAINED AND AVAILABLE FOR INSPECTION BY HOWARD COUNTY.
** DRY WELLS WILL BE MAINTAINED BY INDIVIDUAL HOMEOWNERS, AND/OR THE HOMEOWNERS ASSOCIATION.



NOTE: 1. ALL TREES SHALL BE PLANTED 2' OFF THE EMBANKMENT OF THE DITCH.

TREE PLANTING DETAIL



LEGEND

- CONTOUR INTERVAL: 2 FEET
- EXISTING CONTOUR: ---
- PROPOSED CONTOUR: - - -
- PROPOSED SPOT ELEVATION: X157
- DIRECTION OF DRAINAGE: --->
- EXISTING SEWER: EX. 8" S
- EXISTING WATER MAIN: EX. 8" W
- PROPOSED SEWER: 8" S
- PROPOSED WATER MAIN: 8" W
- PROPOSED STORM DRAIN: 18" ROP
- WATER HOUSE CONNECTION: WHC
- SEWER HOUSE CONNECTION: SHC
- PROPOSED TREES TO REMAIN: [Symbol]
- SOIL BORING: B-4

- PROP. OBSERVATION WELL - 4" PERF. PVC WITH LOCKING CAP. FLUSH WITH PROP. GROUND
- PROP. UNDERGROUND WATER QUALITY TRENCH, SEE DETAIL
- PROP. TREELINE (TYP.)

ENGINEER/SURVEYOR

MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELLCOTT CITY, MARYLAND 21043
(410) 461-0078

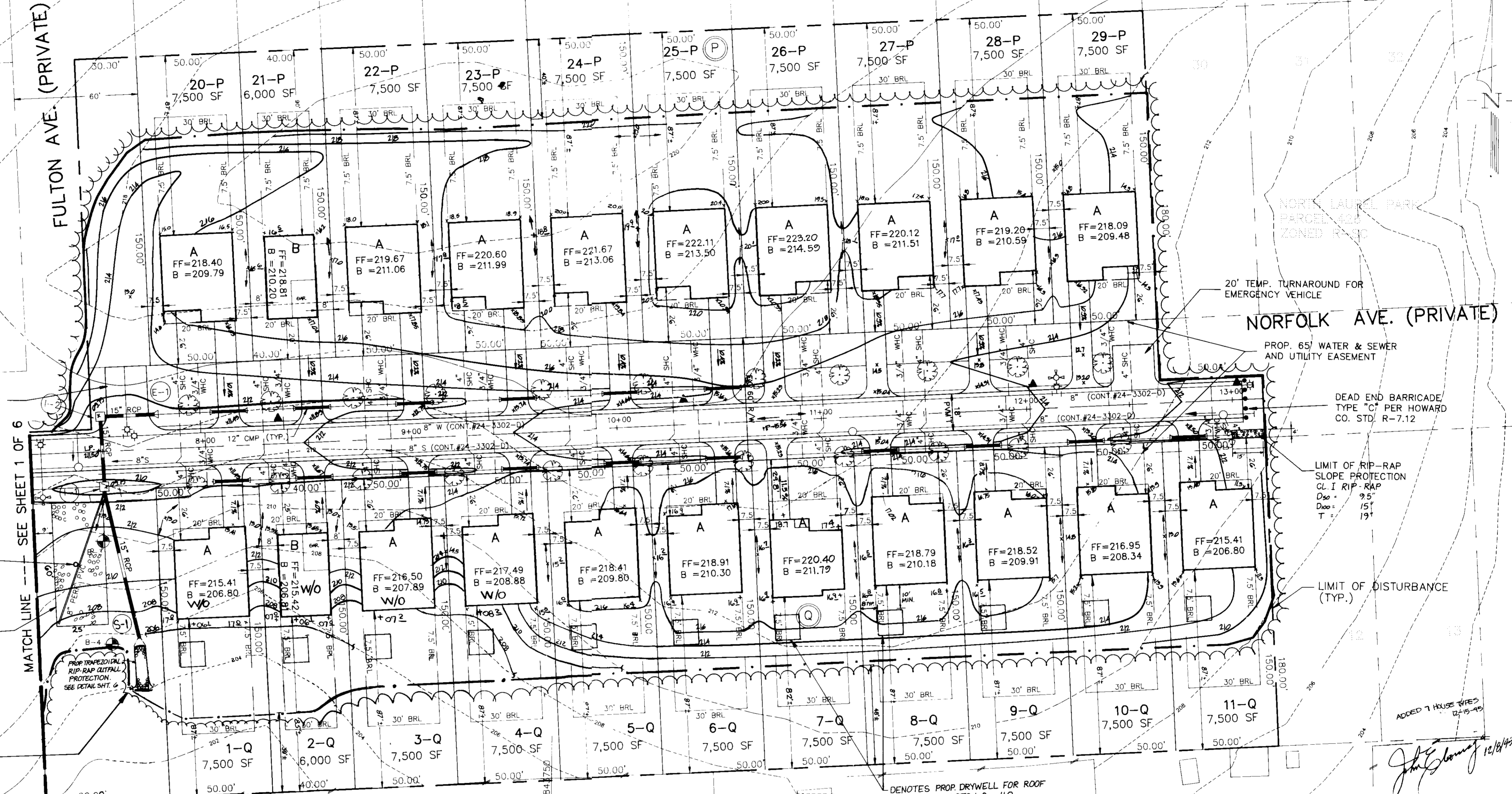
OWNER/DEVELOPER

CORNERSTONE HOMES
6571 HUNTSIDE DRIVE
ELK RIDGE, MARYLAND 21227
(410) 378-0157

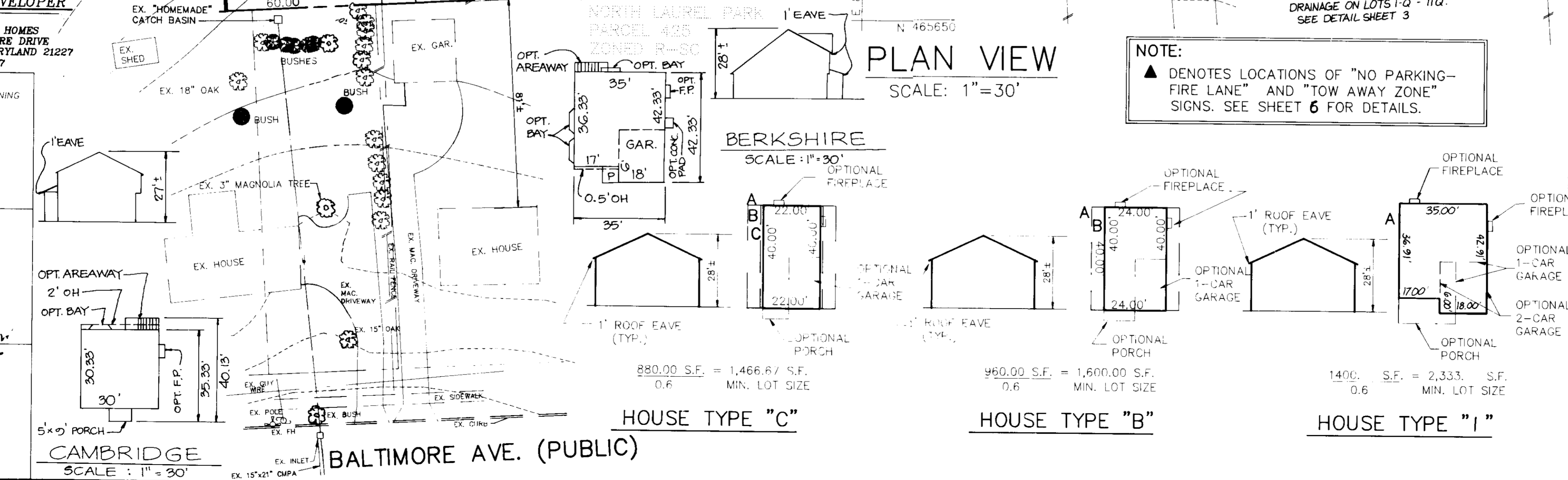
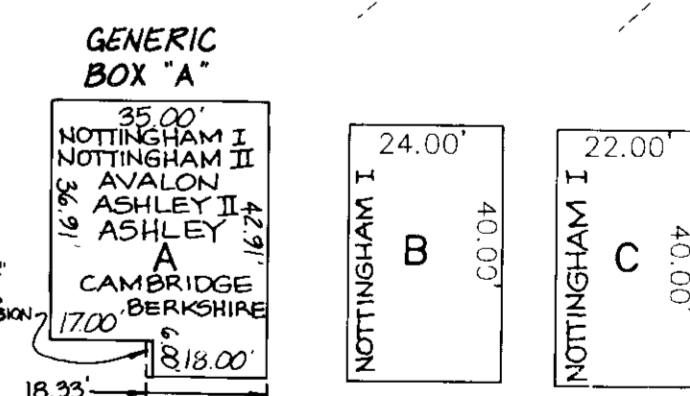
APPROVED: [Signature] 8/12/17
DIRECTOR
[Signature] 8/17/17
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: [Signature] 8/16/17
DIRECTOR
[Signature] 8/15/17
CHIEF, BUREAU OF ENGINEERING

APPROVED: [Signature]
COUNTY HEALTH OFFICER



NOTE: ▲ DENOTES LOCATIONS OF "NO PARKING-FIRE LANE" AND "TOW AWAY ZONE" SIGNS. SEE SHEET 6 FOR DETAILS.



NORTH LAUREL PARK					
SECT./AREA		LOTS		LIBR & FOLIO	
N/A		3-15, BLK "L", 1-11, BLK "Q", 20-29, BLK "P"		L61 F. 470	
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.	CENSUS
61/470	L, P, & Q	R-SC	50	6th	6089.03
WATER CODE			SEWER CODE		
C05			7141500 7140000		

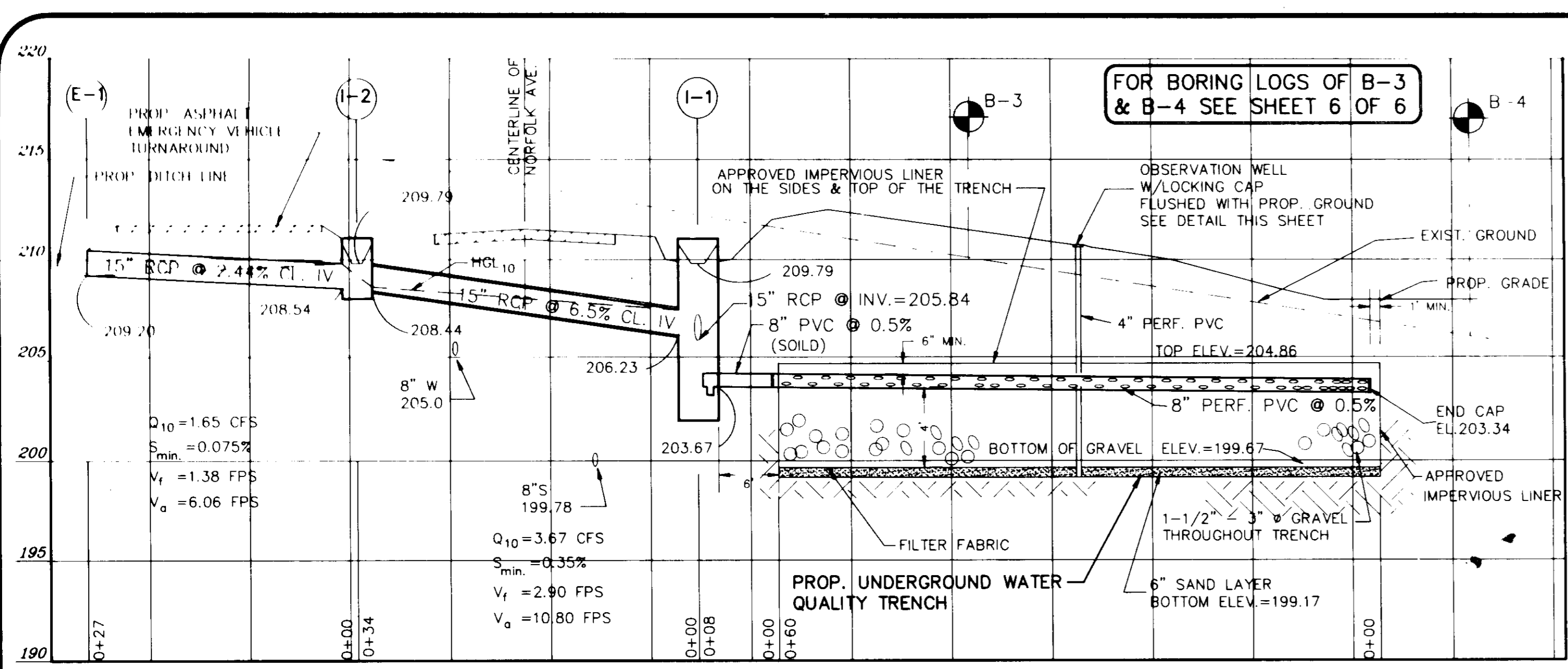
PROJECT: 93012.00
DATE: 8/15/17
DESIGNER: YSL
SCALE: 1" = 30'

4 ADDED 7 HOUSE TYPES (TSA, INC.)
1 SUBMITTED TO DEPT. OF PERMITS & APPROVALS
2 ADDRESS: 11/17/93 COMMENTS & RECOMMENDATION TO DEPT.
3 1st SUBMITTAL TO DEPT.
4 10/12/93
5 11/12/93
6 12/12/93
7 1/12/94
8 2/12/94
9 3/12/94
10 4/12/94
11 5/12/94
12 6/12/94
13 7/12/94
14 8/12/94
15 9/12/94
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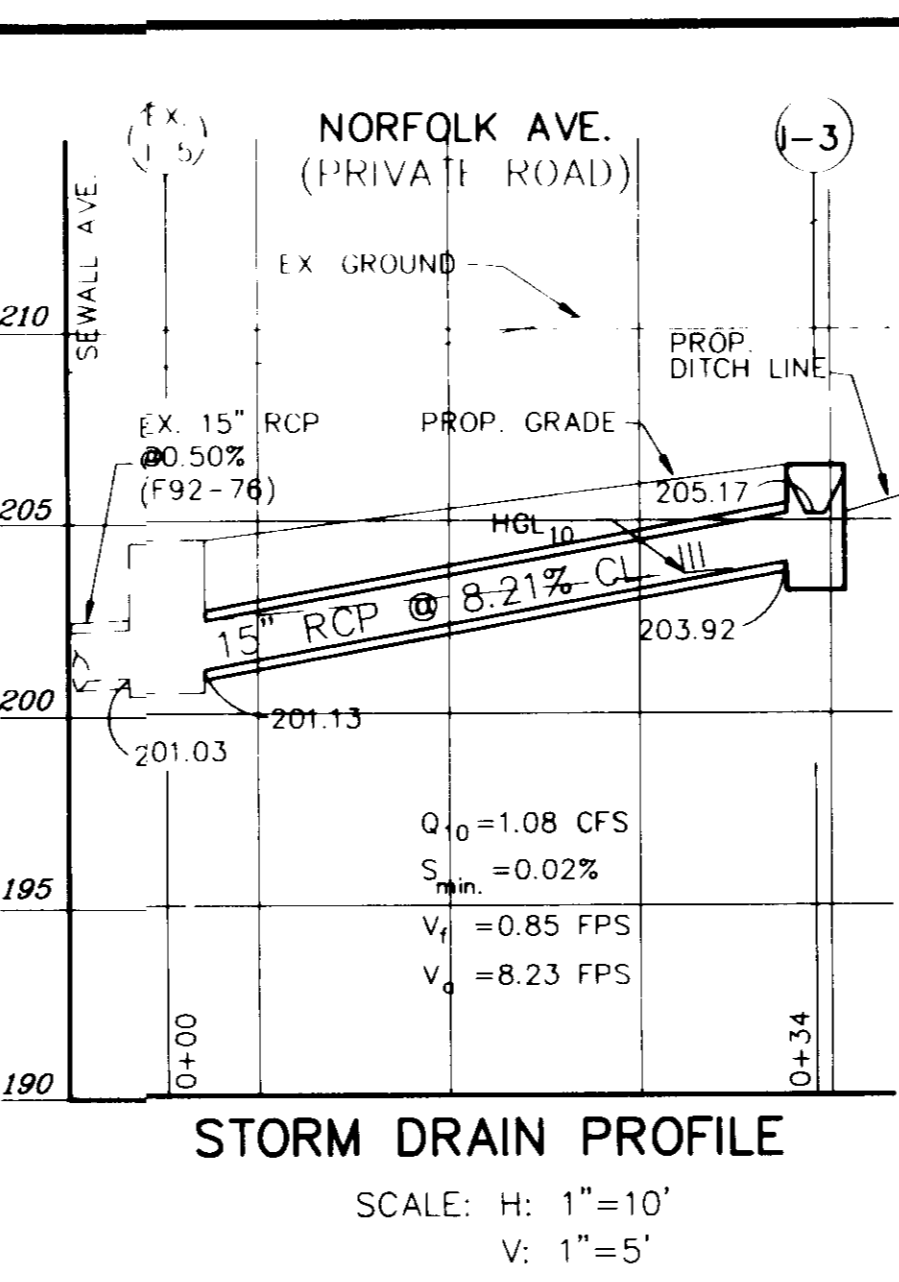
LOTS 3-15, BLK L, LOTS 20-29, BLK P, & LOTS 1-11, BLK Q
NORTH LAUREL PARK
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND
GENERIC SITE DEVELOPMENT PLAN

MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
Business - Saturdays
(410) 461-0078 D.C. Metro: (301) 621-5768 Fax: (410) 750-6340

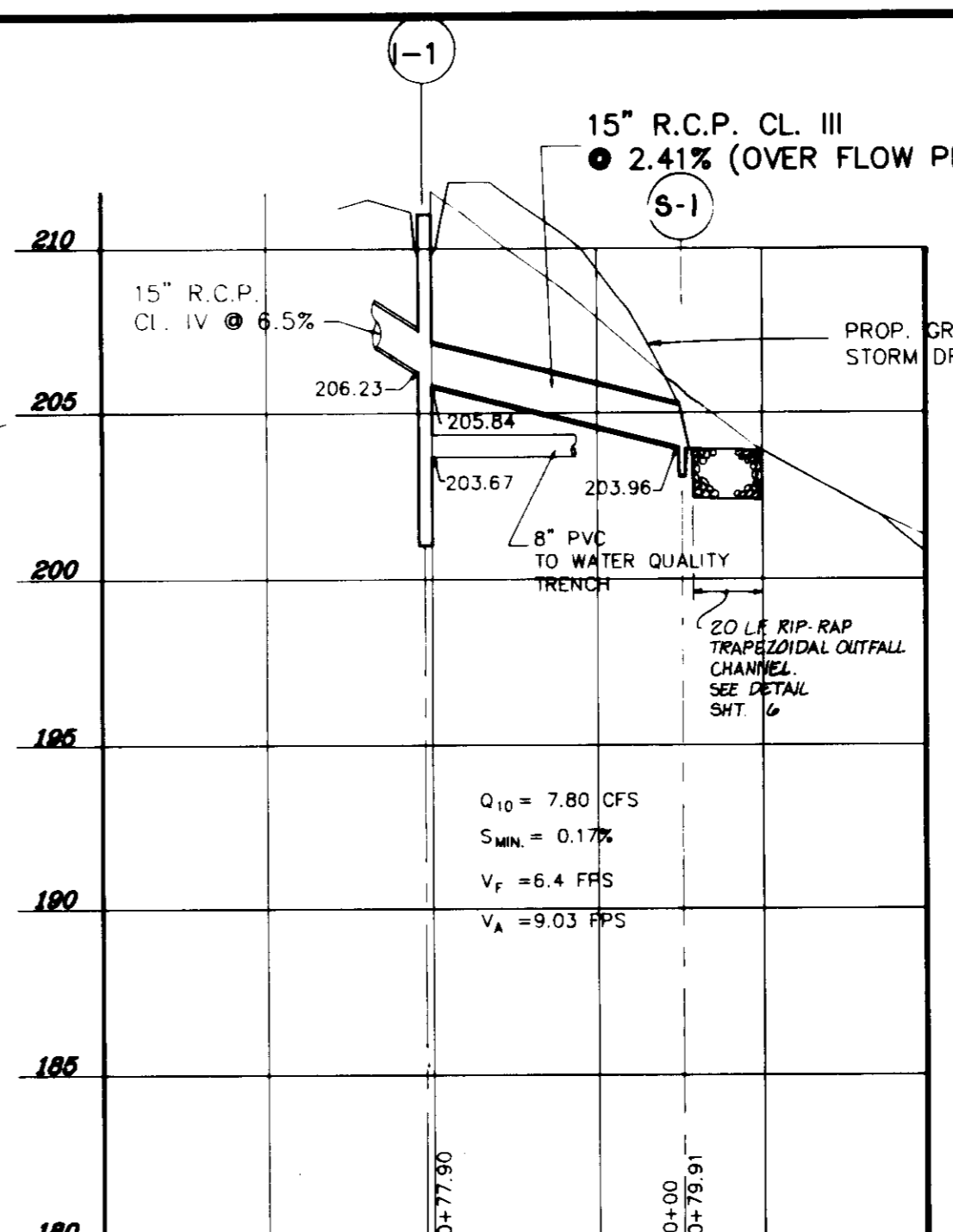
2 OF 6



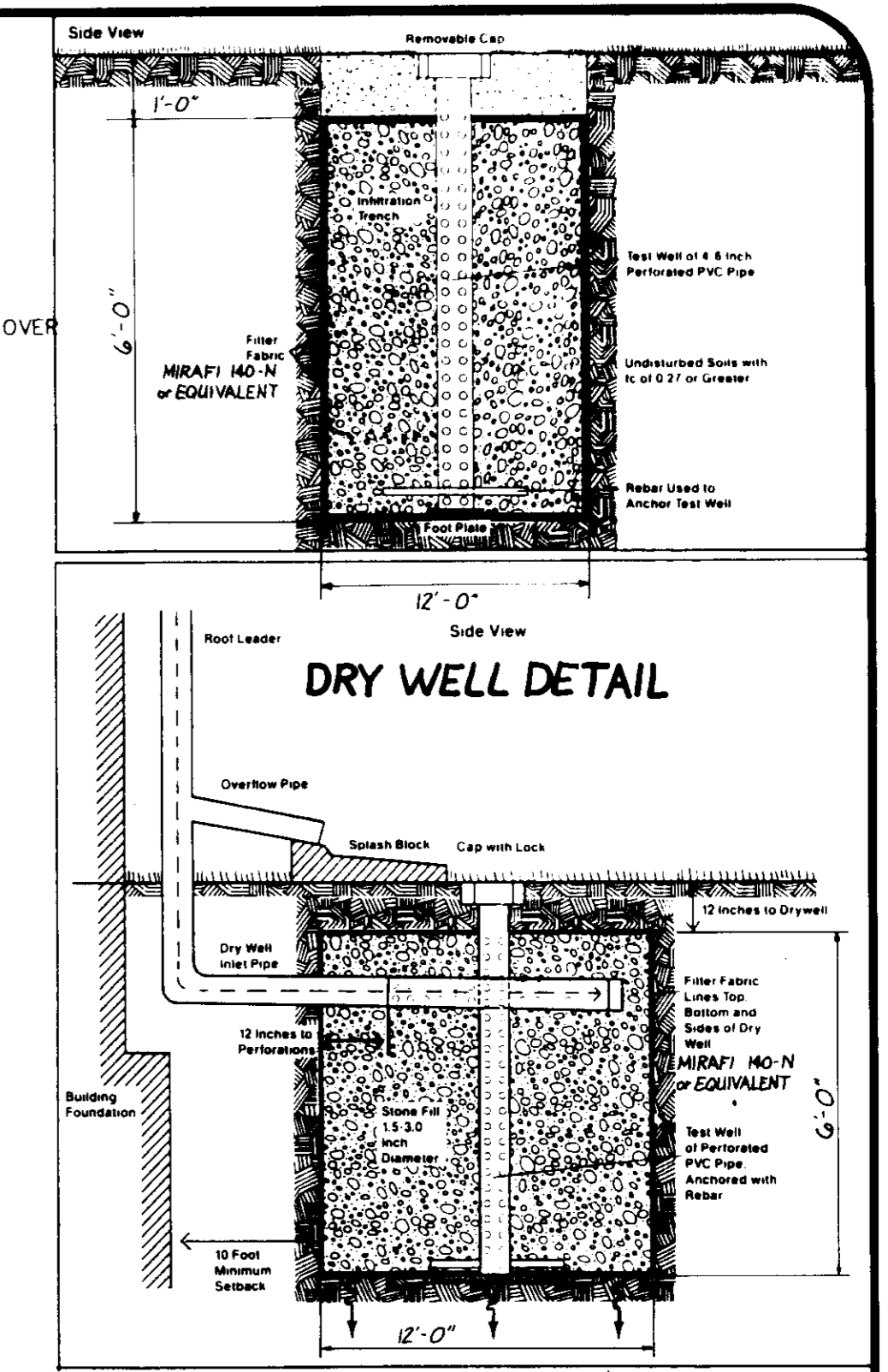
STORM DRAIN PROFILE
SCALE: H: 1"=10'
V: 1"=5'



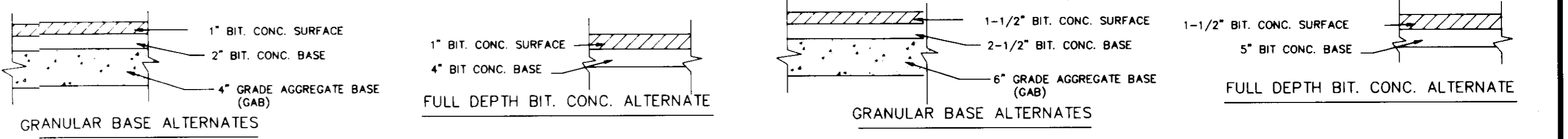
STORM DRAIN PROFILE
SCALE: H: 1"=10'
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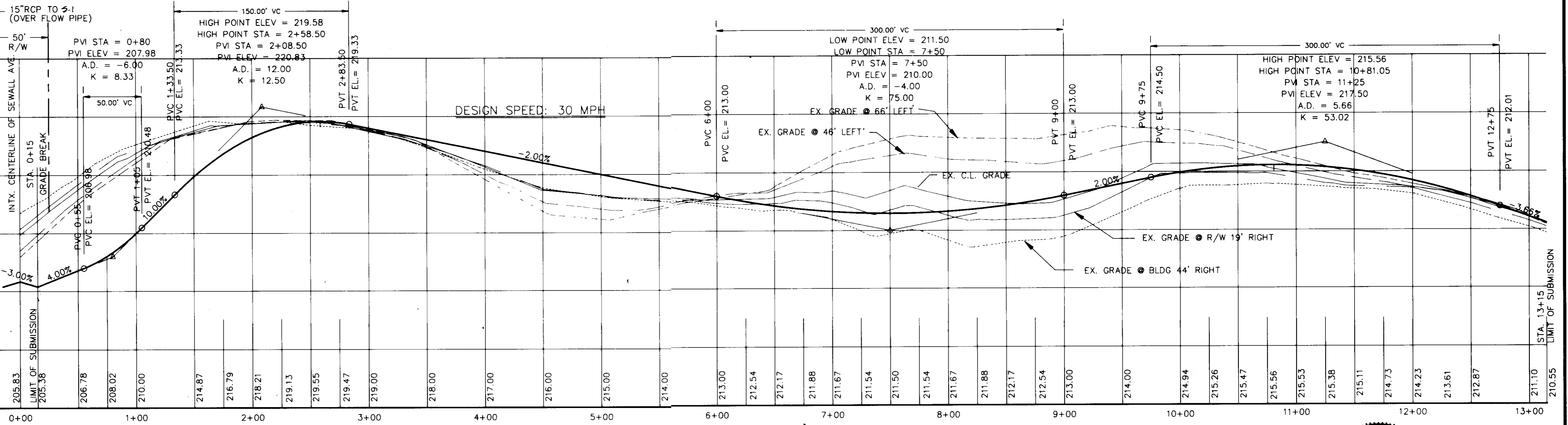
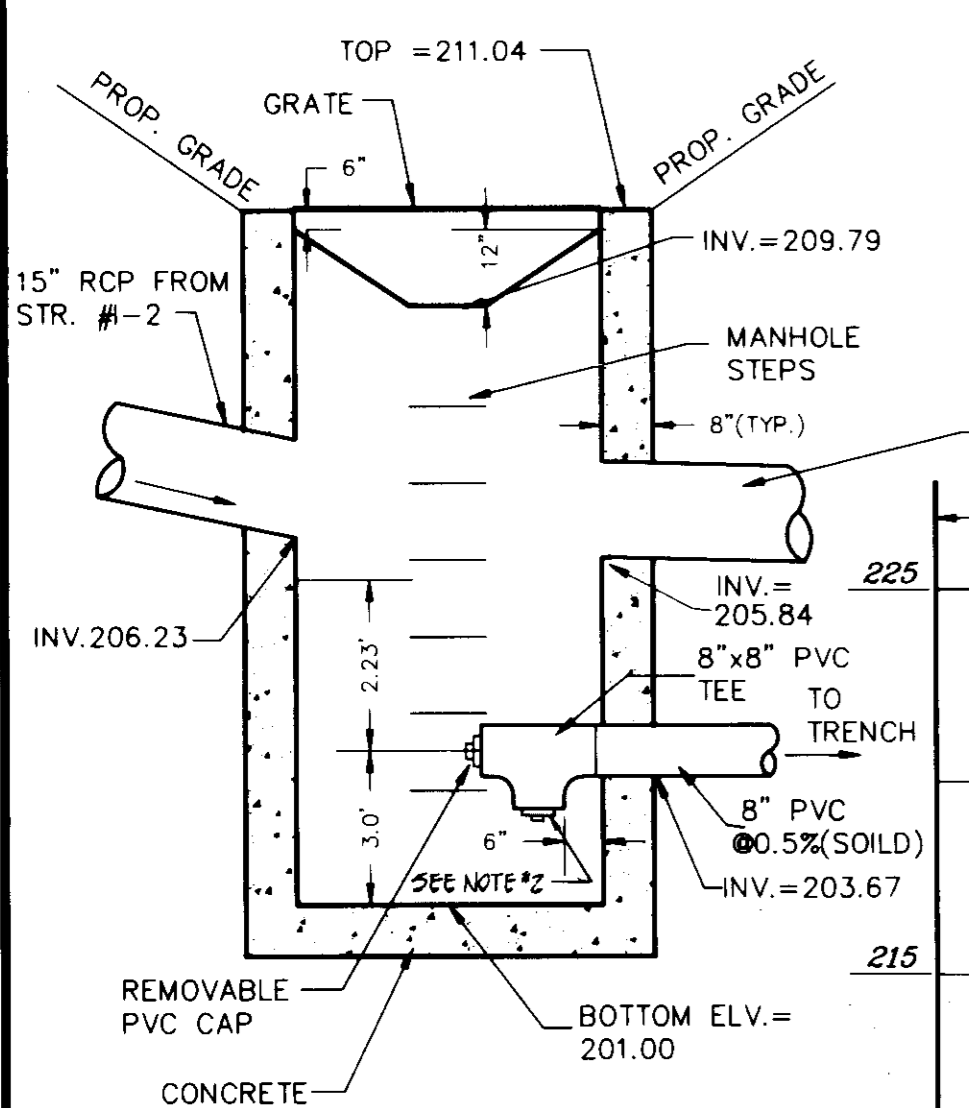
STORM DRAIN PROFILE
SCALE: H: 1"=50'
V: 1"=5'



STRUCTURE SCHEDULE						
NO.	PIPE SIZE	INV. IN	PIPE SIZE	INV. OUT	TOP ELEVATION	LOCATION
S-1	15" RCP	206.23	15" RCP	203.94	---	PER PLAN
I-1	15" RCP	208.54	8" PVC	203.67	211.04	STA. 7+50 17' O/S R
I-2	15" RCP	208.54	15" RCP	208.44	211.04	STA. 7+48 17' O/S L
E-1	---	---	15" RCP	209.20	---	STA. 7+77 17' O/S L
I-3	---	---	15" RCP	203.92	206.42	STA. 0+30 17' O/S R
EX. 1-5	15" RCP	201.13	15" RCP	201.03	---	(PER PATUXENT HEIGHTS STORM DRAIN PLANS: F-92-76)



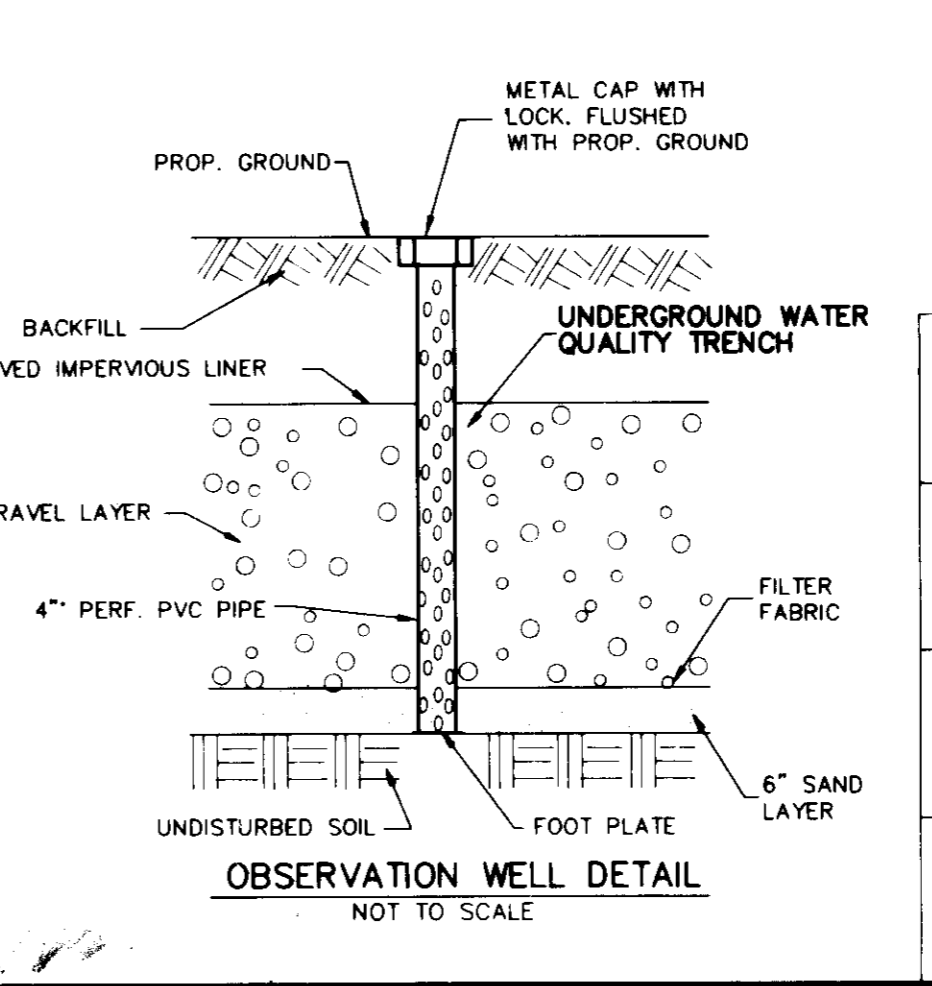
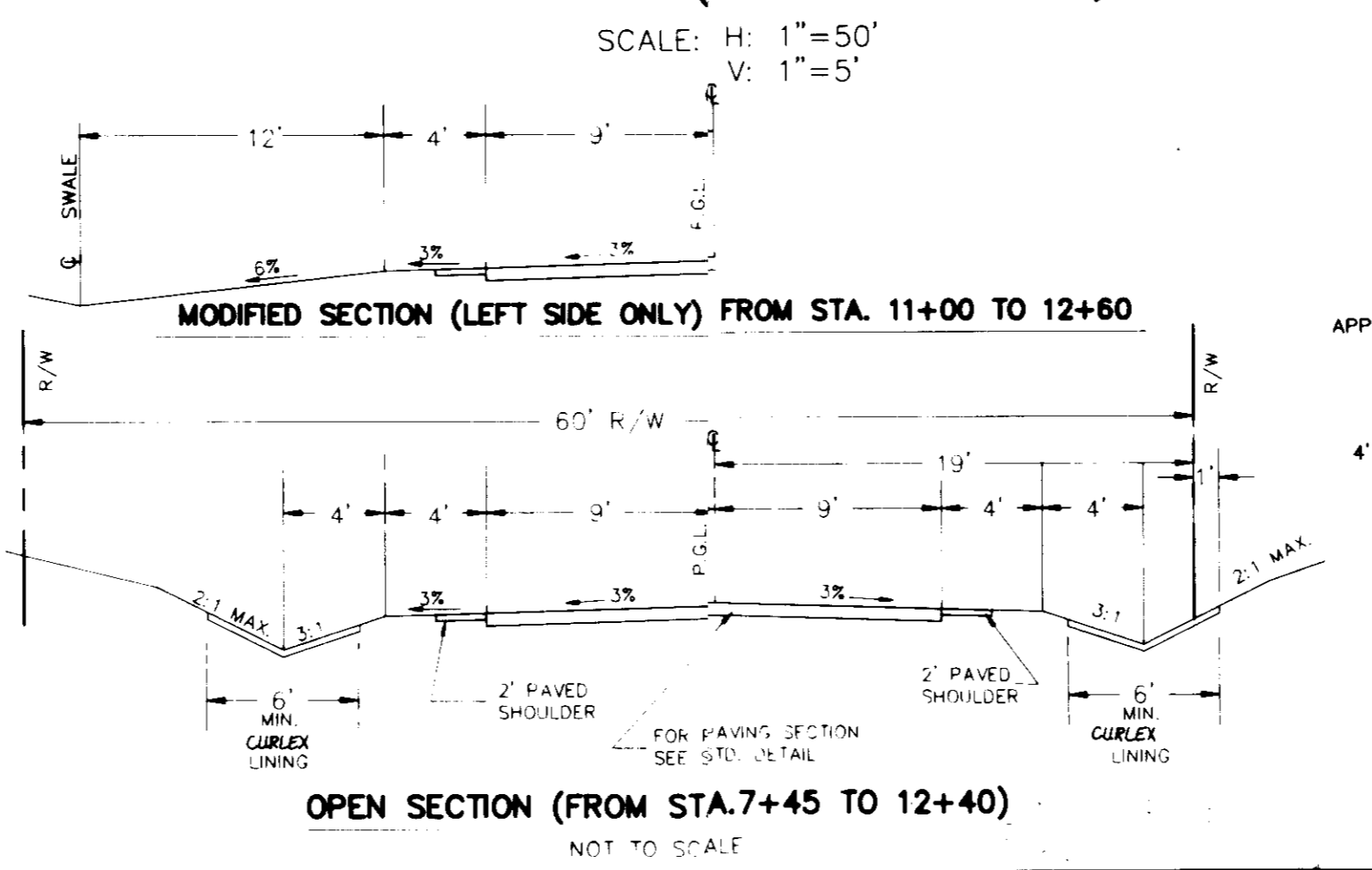
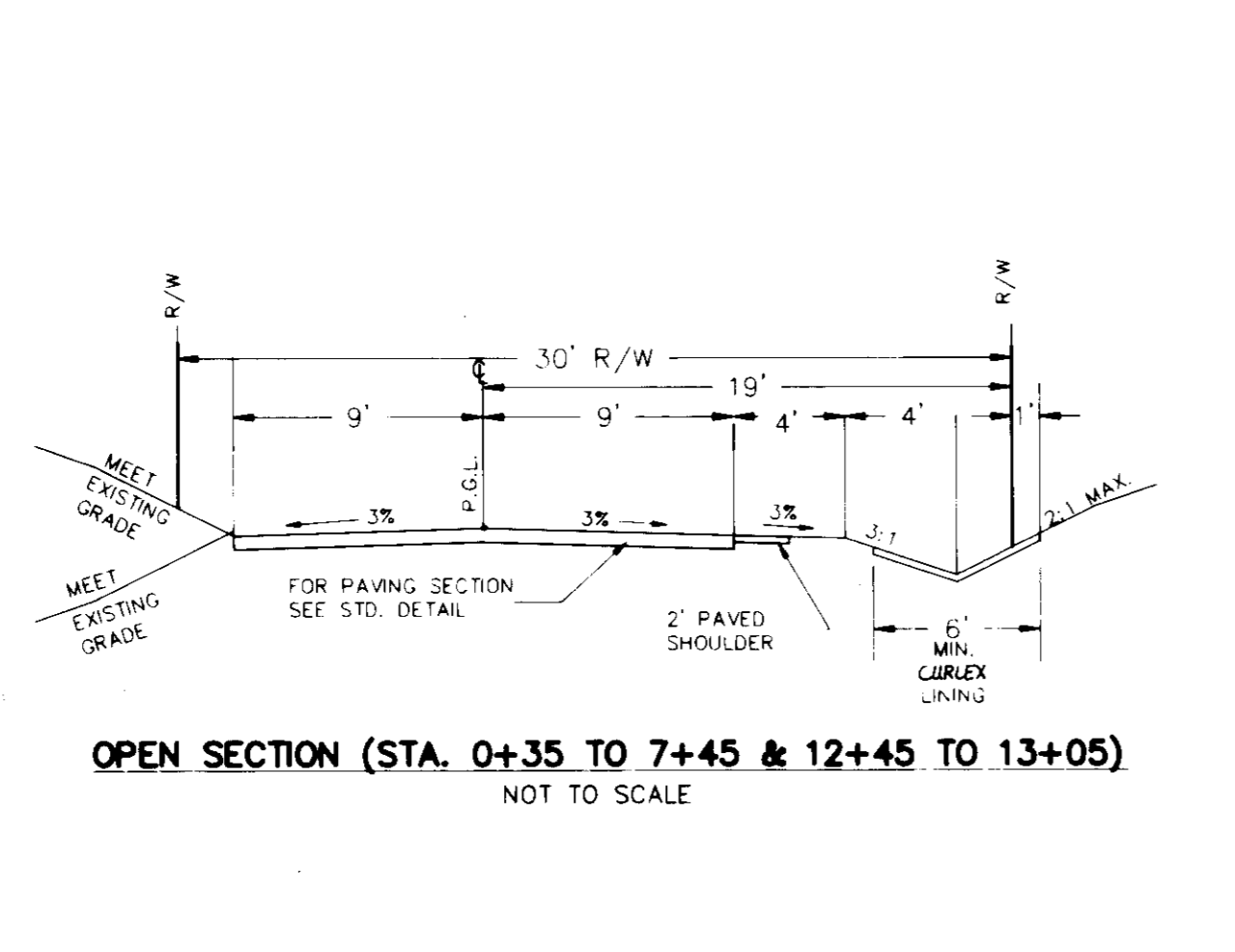
NOTE: FOR DETAILS AND DIMENSIONS NOT SHOWN REFER TO HOWARD CO. STD. 4.12



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Director: *[Signature]* 8/10/14
Date: 8/17/14

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
Director: *[Signature]* 8/15/14
Date: 8/15/14

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT
FOR PUBLIC WATER & SEWERAGE SYSTEMS
County Health Officer: *[Signature]*



NORTH LAUREL PARK				
LOTS 3 - 15, BLOCK "L"				
LOTS 20 - 29, BLOCK "P"				
LOTS 1 - 11, BLOCK "Q"				
SECT./AREA	LOTS	LIBER & FOLIO		
N/A	3-15, BLK "L" 1-11, BLK "Q" 20-29, BLK "P"	L.61 F. 470		
PLAT No.	BLOCK No.	ZONE	TAX MAP	ELEC. DIST.
61/470	L, P, & Q	R-SC	50	6th
WATER CODE		SEWER CODE		
C05		7141500 7140000		

80012 00 SEPT 93

9/2/14

2 SUBMISSION TO DPZ FOR SCALING APPROVAL
1 ADDRESS 11/17/93 COMMENTS & RESUBMIT
0 1st SUBMITTAL TO DPZ

AS SHOWN

DESIGNER: MILDENBERG, MOCHI & ASSOCIATES, INC.

ENGINEERS - SURVEYORS - PLANNERS
3300 North Ridge Road, Suite 235, Elkott City, Maryland 21043-3150
(410) 481-0078 D.C. Merc. (S) 921-5168 Fax: (410) 750-6340

LOTS 3-15, BLK L, LOTS 20-29, BLK P, & LOTS 1-11, BLK Q
NORTH LAUREL PARK
ELECTION DISTRICT No. 6
HOWARD COUNTY, MARYLAND

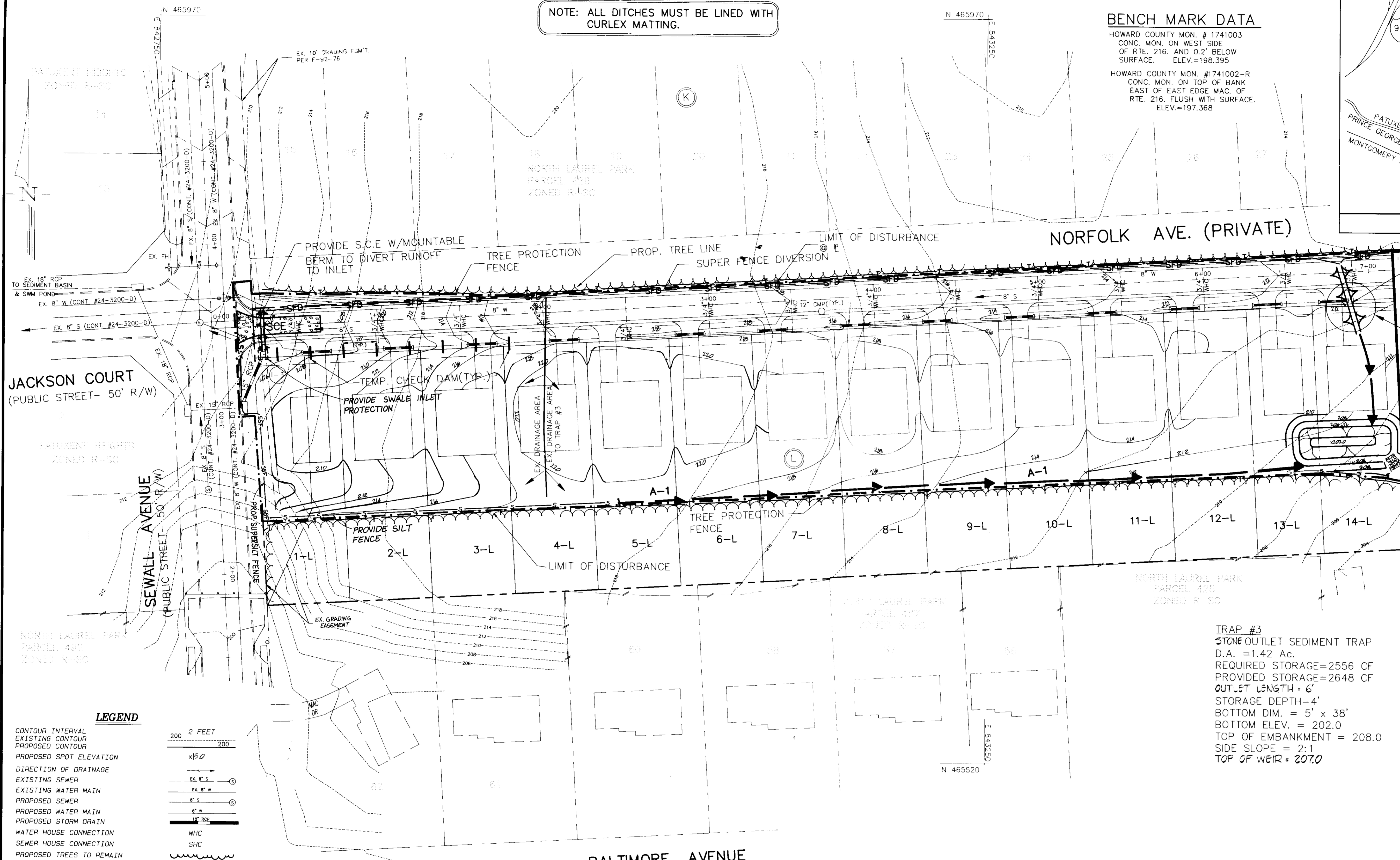
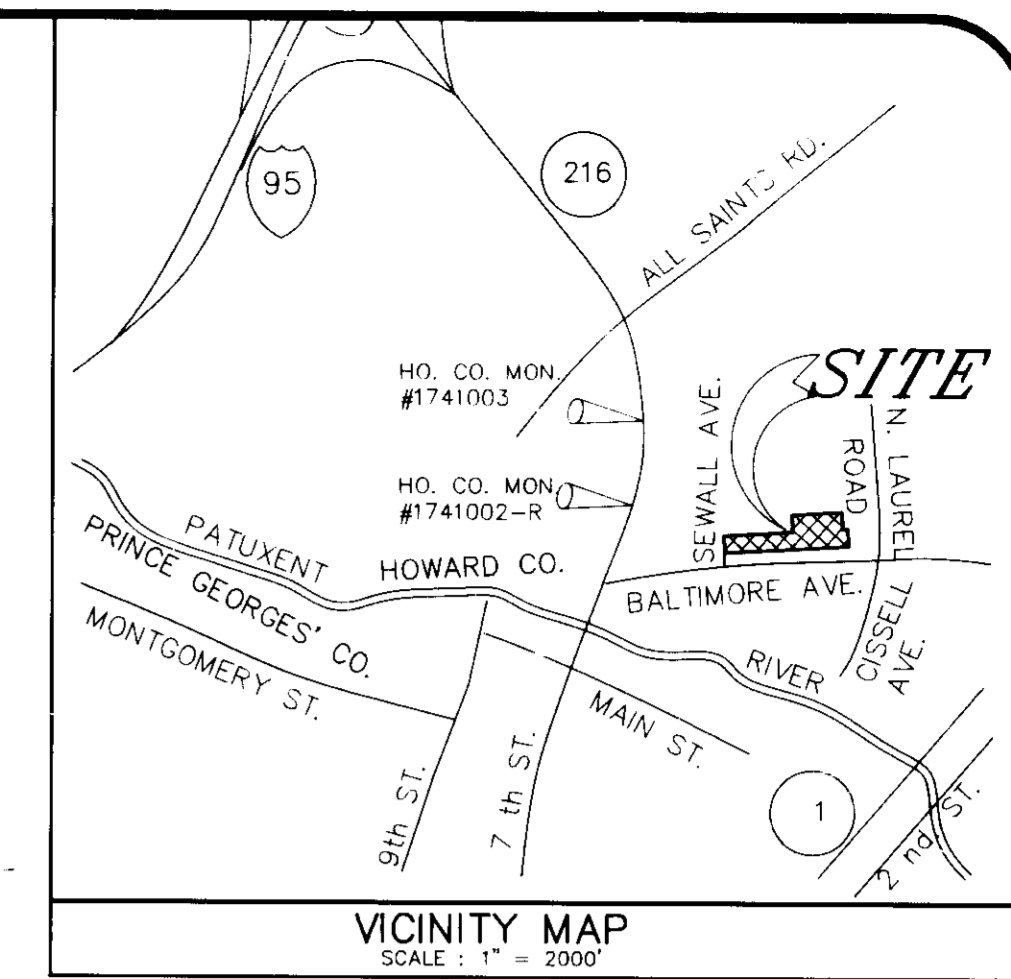
STREET AND STORM DRAIN PROFILES, & PAVING SECTIONS

3 OF 6

NOTE: ALL DITCHES MUST BE LINED WITH CURLEX MATTING.

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 MAC. OF
RTE. 216. FLUSH WITH SURFACE.
ELEV.=197.368



DURING ROAD CONSTRUCTION
PROVIDE AN OUTLET FOR
POSITIVE DRAINAGE TO TRAP
#3 UNTIL SITE IS STABILIZED.

NOTE:
DELAY HOUSE CONSTRUCTION
ON LOTS 13 & 14, BLOCK "L"
UNTIL TRAP #3 IS REMOVED.
IF HOUSE IS 20' OR GREATER
FROM TRAP THEN CONSTRUCTION
MAY PROCEED PRIOR TO TRAP
CLOSURE.

TRAP #3
STONE OUTLET SEDIMENT TRAP
D.A. = 1.42 Ac.
REQUIRED STORAGE = 2556 CF
PROVIDED STORAGE = 2648 CF
OUTLET LENGTH = 6'
STORAGE DEPTH = 4'
BOTTOM DIM. = 5' x 38'
TOP OF EMBANKMENT = 208.0
SIDE SLOPE = 2:1
TOP OF WEIR = 207.0

PLAN VIEW
SCALE: 1" = 30'

- LEGEND
CONTOUR INTERVAL 200 2 FEET
EXISTING CONTOUR 200
PROPOSED CONTOUR 200
PROPOSED SPOT ELEVATION x15.0
DIRECTION OF DRAINAGE
EXISTING SEWER 8" S
EXISTING WATER MAIN 8" W
PROPOSED SEWER 8" S
PROPOSED WATER MAIN 8" W
PROPOSED STORM DRAIN 18" RSD
WATER HOUSE CONNECTION WHC
SEWER HOUSE CONNECTION SHC
PROPOSED TREES TO REMAIN
STABILIZED CONSTRUCTION ENTRANCE
EARTH DIKE A-3
SILT FENCE S
LIMIT OF DISTURBED AREA
TREE PROTECTION FENCE T
SUPER FENCE DIVERSION SFD

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

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

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

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.

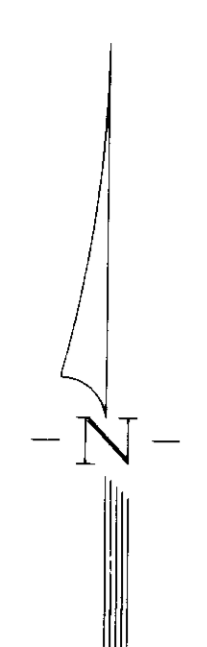
DEVELOPER'S CERTIFICATE
I/We certify that all development and construction will be done in accordance with this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a certificate of attendance of a Department of the Environment approved training program for the control of sediment and erosion before beginning the project.



OWNER/DEVELOPER
CORNERSTONE HOMES
6571 HUNTSVILLE DRIVE
ELK RIDGE, MARYLAND 21227
(410) 378-0157

ENGINEER/SURVEYOR
MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELICOTT CITY, MARYLAND 21043
(410) 461-0078

Vertical sidebar containing project details, dates, and logos for Mildenberg, Mochi & Associates, Inc. and the Howard County Soil Conservation District. Includes a page number '4 OF 6' and a drawing number 'CDP-94-38'.



LEGEND

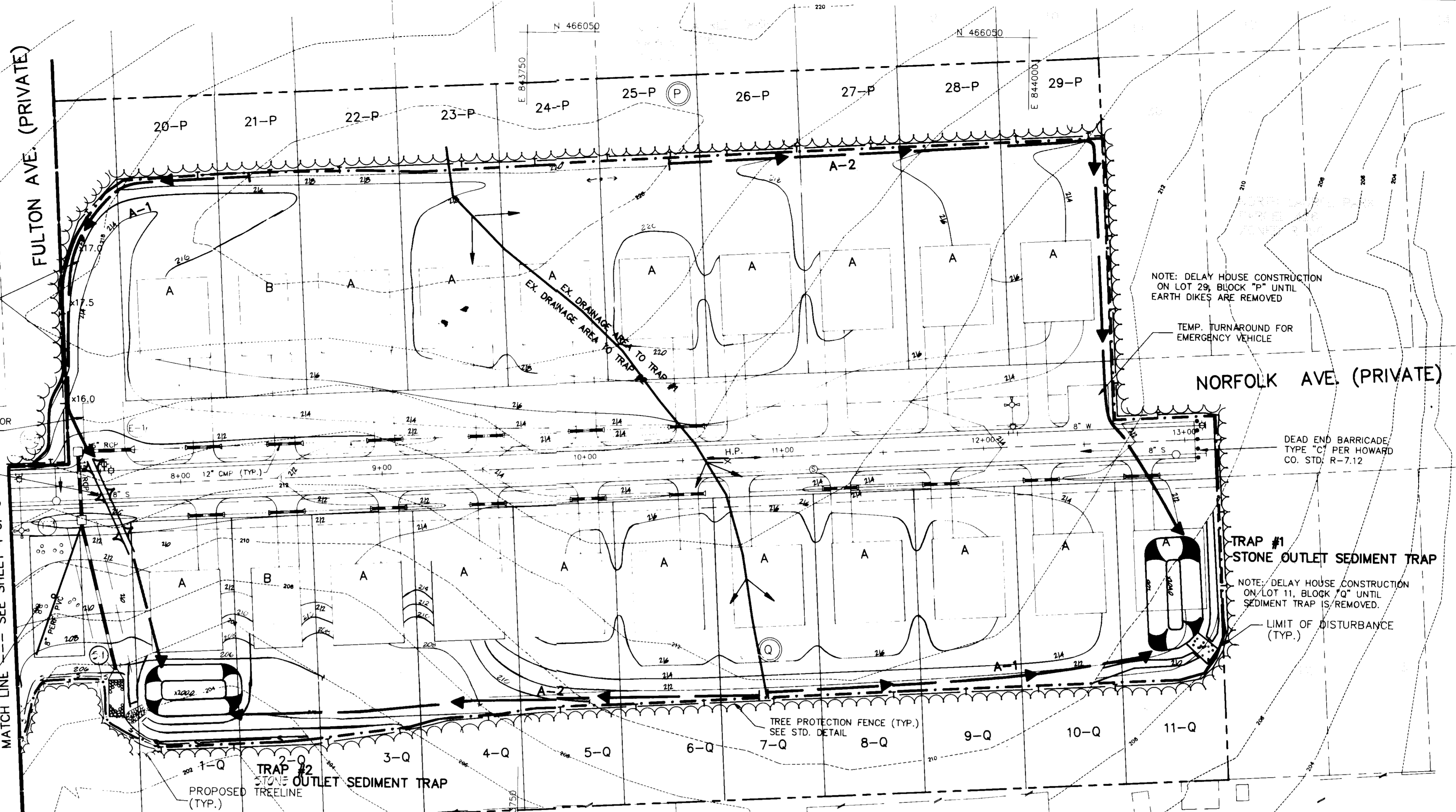
- CONTOUR INTERVAL 2 FEET
- EXISTING CONTOUR (dashed line)
- PROPOSED CONTOUR (solid line)
- PROPOSED SPOT ELEVATION (x15.0)
- DIRECTION OF DRAINAGE (arrow)
- EXISTING SEWER (line with 'S')
- EXISTING WATER MAIN (line with 'W')
- PROPOSED SEWER (line with 'S')
- PROPOSED WATER MAIN (line with 'W')
- PROPOSED STORM DRAIN (line with 'SD')
- WATER HOUSE CONNECTION (WHC)
- SEWER HOUSE CONNECTION (SHC)
- STABILIZED CONSTRUCTION ENTRANCE (line with 'S')
- EARTH DIKE (line with 'A-3')
- SILT FENCE (line with 'S')
- LIMIT OF DISTURBED AREA (dotted line)
- TREE PROTECTION FENCE (line with 'T')
- SUPER FENCE DIVERSION (SFD)

CONTRACTOR PROVIDES POSITIVE DRAINAGE AS NECESSARY

20' TEMP. TURNAROUND FOR EMERGENCY VEHICLE

MOUNTABLE BERM

PROP. UNDERGROUND WATER QUALITY TRENCH



PLAN VIEW
SCALE: 1"=30'

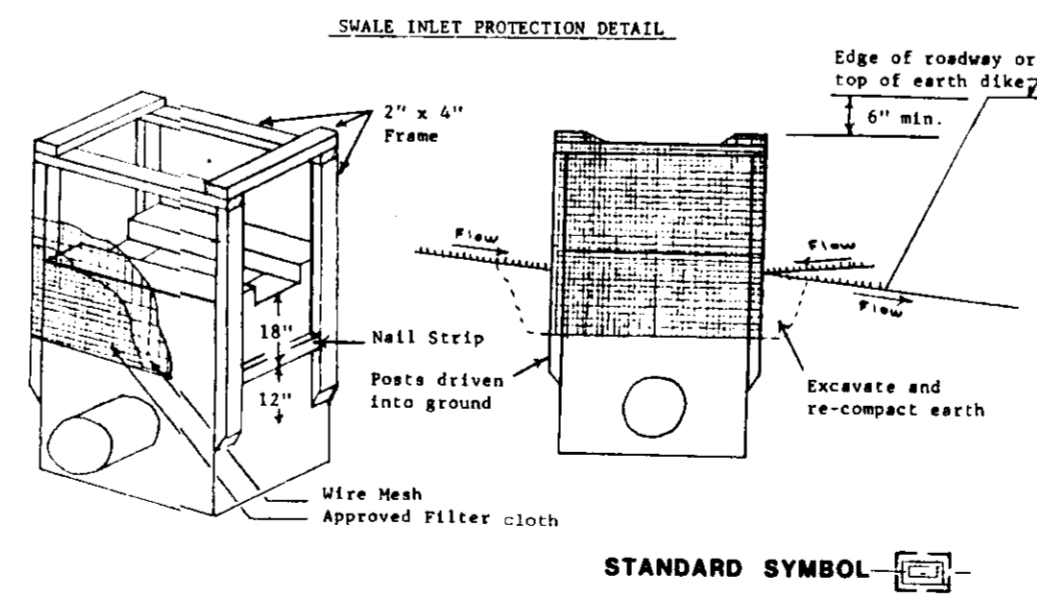
TRAP #2
STONE OUTLET SEDIMENT TRAP
D.A. = 1.67 Ac.
REQUIRED STORAGE = 3006 CF
PROVIDED STORAGE = 3136 CF
DITCH 2' x 4' x 6'
STORAGE DEPTH = 4'
BOTTOM DIM. = 11' x 32'
BOTTOM ELEV. = 200.0
TOP OF EMBANKMENT = 206.0
SIDE SLOPE = 2:1
TOP OF WEIR = 205.5

NOTE: DELAY HOUSE CONSTRUCTION ON LOTS 1 & 2, BLOCK "Q" UNTIL TRAP #2 IS REMOVED. IF HOUSE IS 20' OR GREATER FROM TRAP THEN CONSTRUCTION MAY PROCEED PRIOR TO TRAP CLOSURE.

TRAP #1
STONE OUTLET SEDIMENT TRAP
D.A. = 1.56 Ac.
REQUIRED STORAGE = 2808 CF
PROVIDED STORAGE = 2896 CF
OUTLET LENGTH = 6'
STORAGE DEPTH = 4'
BOTTOM DIM. = 7' x 36'
BOTTOM ELEV. = 204.0
TOP OF EMBANKMENT = 210.0
TOP OF WEIR = 209.0
SIDE SLOPE = 2:1

- Construction Specifications**
- Materials**
 - Wooden frame is to be constructed of 2" x 4" construction grade lumber.
 - Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
 - Filter cloth must be of a type approved for this purpose; resistant to sunlight with sieve size, 80S, 40-85, to allow sufficient passage of water and removal of sediment.
 - Stone is to be 2" in size and clean, since fines would clog the cloth.
 - Procedure**
 - A swale, ditchline or yard inlet protection.
 - Excavate completely around inlet to a depth of 18" below notch elevation.
 - Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
 - Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
 - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
 - Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
 - If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir).
 - This structure must be inspected frequently and the filter fabric replaced when clogged.

NOTE: ALL DITCHES MUST BE LINED WITH CURLEX MATTING.



ENGINEER/SURVEYOR
MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELLCOTT CITY, MARYLAND 21043
(410) 481-0078

OWNER/DEVELOPER
CORNERSTONE HOMES
6671 HUNTSVILLE DRIVE
BLARDO, MARYLAND 21227
(410) 379-0157

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Janice S. Taylor 8/12/94
DIRECTOR

APPROVED: HOWARD COUNTY DEPARTMENT OF LAND DEVELOPMENT AND RESEARCH
Jim Sturman 8/17/94
SR

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER & SEWERAGE SYSTEMS
[Signature] DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND RIIS
[Signature] 8/15/94
CHIEF, BUREAU OF ENGINEERING

APPROVED: THE DEPARTMENT OF APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF CONSERVATION
[Signature] 8/10/94
SUPERVISOR

APPROVED: REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
[Signature] 8/10/94
SOIL CONSERVATION DISTRICT

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.

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 are deemed necessary.

[Signature] 8/2/94
Signature of Developer



Project	98012.00	Date	OCT. 93
Illustration	YSL	Engineering	YSL/CAM
Scale	AS SHOWN	Approval	AS SHOWN

1	1/12/94	DATE	1/12/94
2	1/17/94	DATE	1/17/94
3	10/12/93	DATE	10/12/93
4		DATE	
5		DATE	
6		DATE	
7		DATE	
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9		DATE	
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LOTS 3-15, BLK L; LOTS 20-29, BLK P; & LOTS 1-11, BLK Q
NORTH LAUREL PARK
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
EROSION & SEDIMENT CONTROL PLAN

MILDENBERG, MOCHI & ASSOCIATES, INC.
ENGINEERS - SURVEYORS - PLANNERS
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
(410) 481-0078 D.C. Metro: (301) 621-5788 Fax: (410) 750-6340

MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
(410) 481-0078 D.C. Metro: (301) 621-5788 Fax: (410) 750-6340

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, 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 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 50 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 such 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 Office of Inspections and Permits 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 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control.

3. Following initial soil disturbances or redistribution, permanent or temporary stabilization shall be completed within: a) 72 hours for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 5 calendar days 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 1983 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.

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: 7.48 acres
Area to be Disturbed: 5.71 acre
Area to be roofed or paved: 1.11 acre
Area to be vegetatively stabilized: 4.60 acre
Total Cut: 1084.1 cy
Total Fill: 12752.7 cy
Offsite Waste/Borrow Area Location: _____

7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be provided, if deemed necessary by the Howard County DLP Sediment Control Inspector.

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

• 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 its grading permit number at the time of construction.
• Contractor shall verify their own earthwork quantities and estimates.

TEMPORARY SEEDING NOTES

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

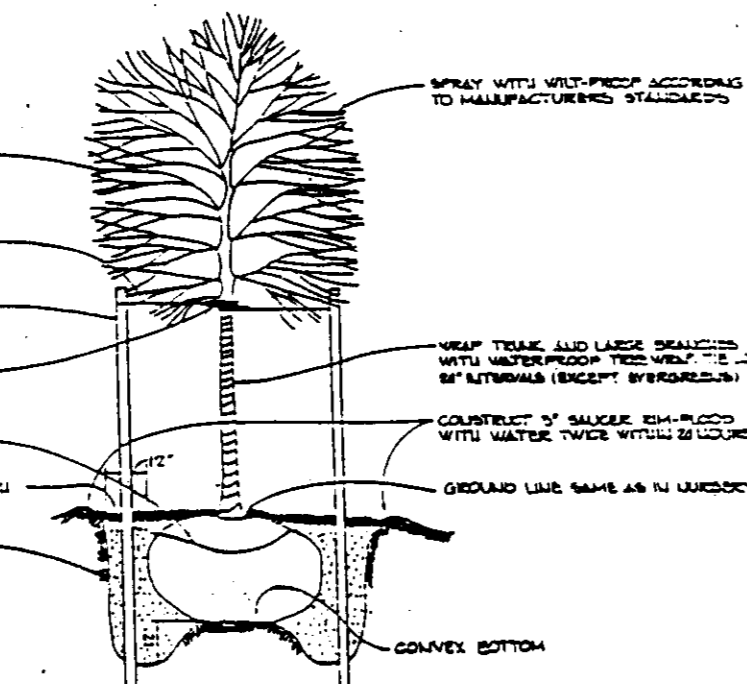
Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. (If not previously loosened)

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). 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 such 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.



TREE PLANTING DETAIL N.T.S.

SEQUENCE OF CONSTRUCTION

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

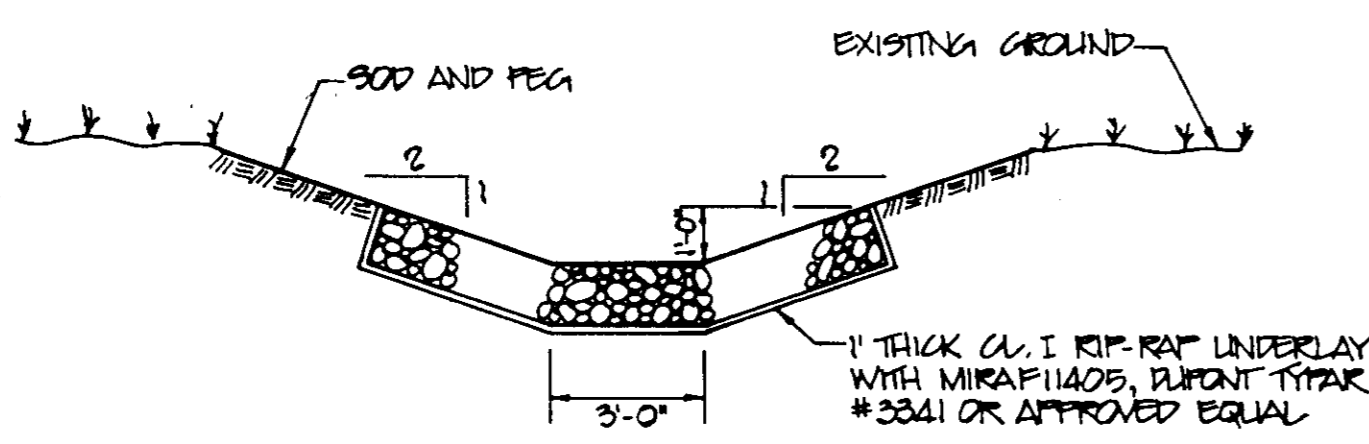
- | Constr. time (days) | Notes |
|---------------------|---|
| 7 | 1. Obtain grading permit. |
| 7 | 2. Install tree protection fences per this plan. |
| 14 | 3. Clear and grub the site as indicated in this plan. |
| 2 | 4. Install storm drain system 1-3 to Ex. 1-5. |
| 14 | 5. Install sediment and erosion control devices and stabilize. |
| 7 | 6. Rough grade the private street. |
| 30 | 7. Construct storm drain and SWM trench, water main, and sewer main. |
| 21 | 8. Construct the private street and stabilize. |
| 21 | 9. Excavate for foundations, rough grade and temporarily stabilize. |
| - | 10. Construct structures and driveways. |
| 14 | 11. Final grade and stabilize in accordance with standards and specifications. |
| 7 | 12. Upon approval of the sediment control inspector, remove sediment traps #2 & #3. |
| 7 | 13. Install silt fence per plan at location of trap # 213. |
| 7 | 14. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize. |

ENGINEER/SURVEYOR

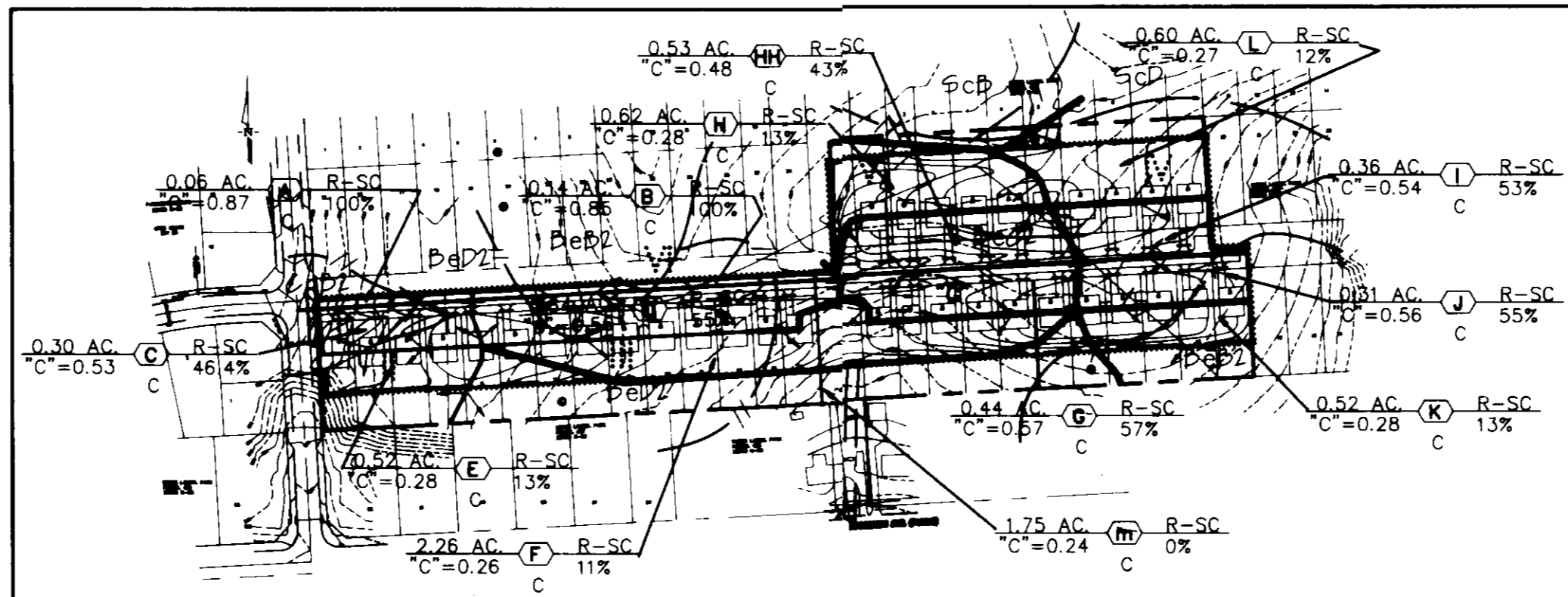
MILDENBERG, MOCHI & ASSOCIATES, INC.
3300 NORTH RIDGE ROAD, SUITE 235
ELLCOTT CITY, MARYLAND 21043
(410) 461-0078

OWNER/DEVELOPER

CORNERSTONE HOMES
8571 HUNTSIRE DRIVE
ELKCRIDGE, MARYLAND 21227
(410) 379-0157

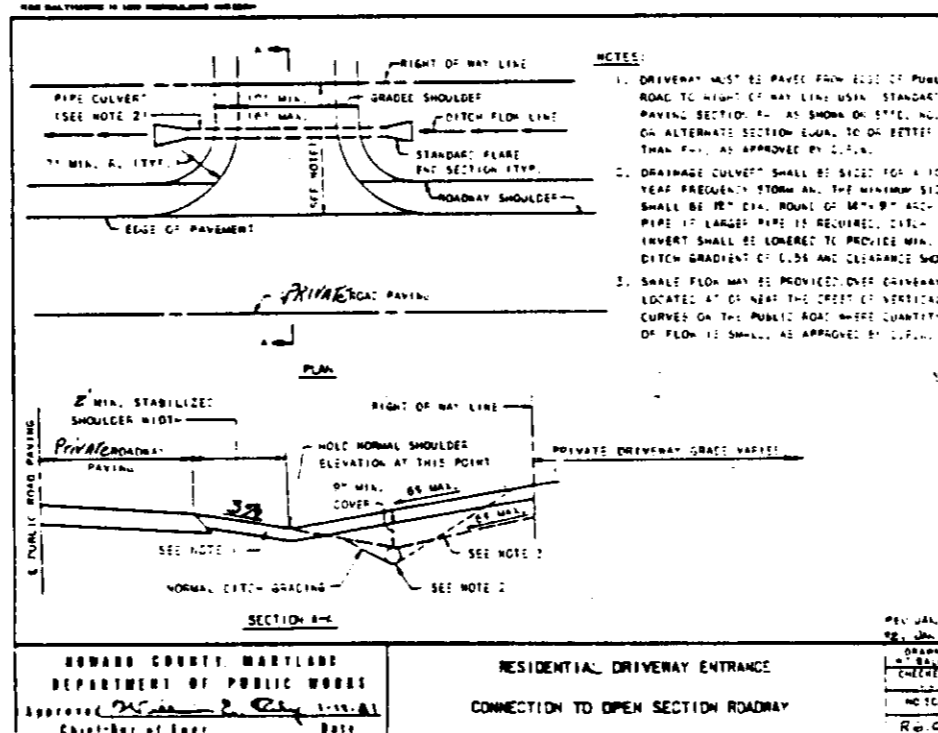
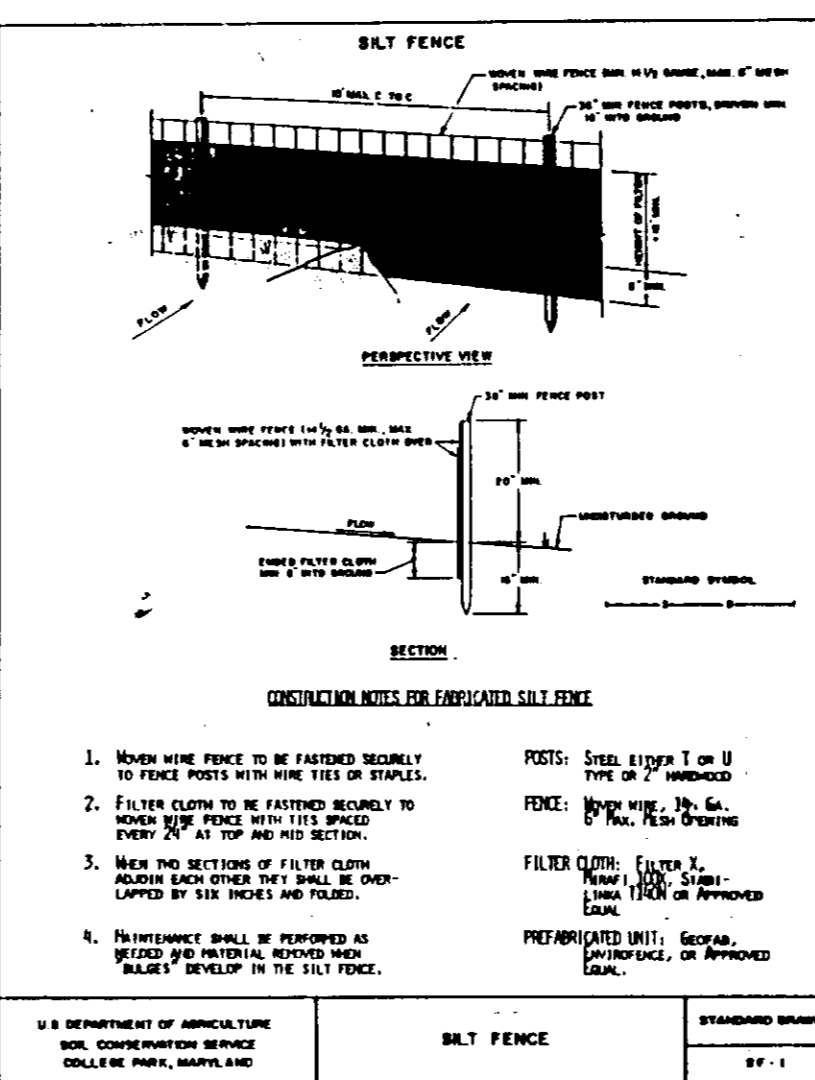
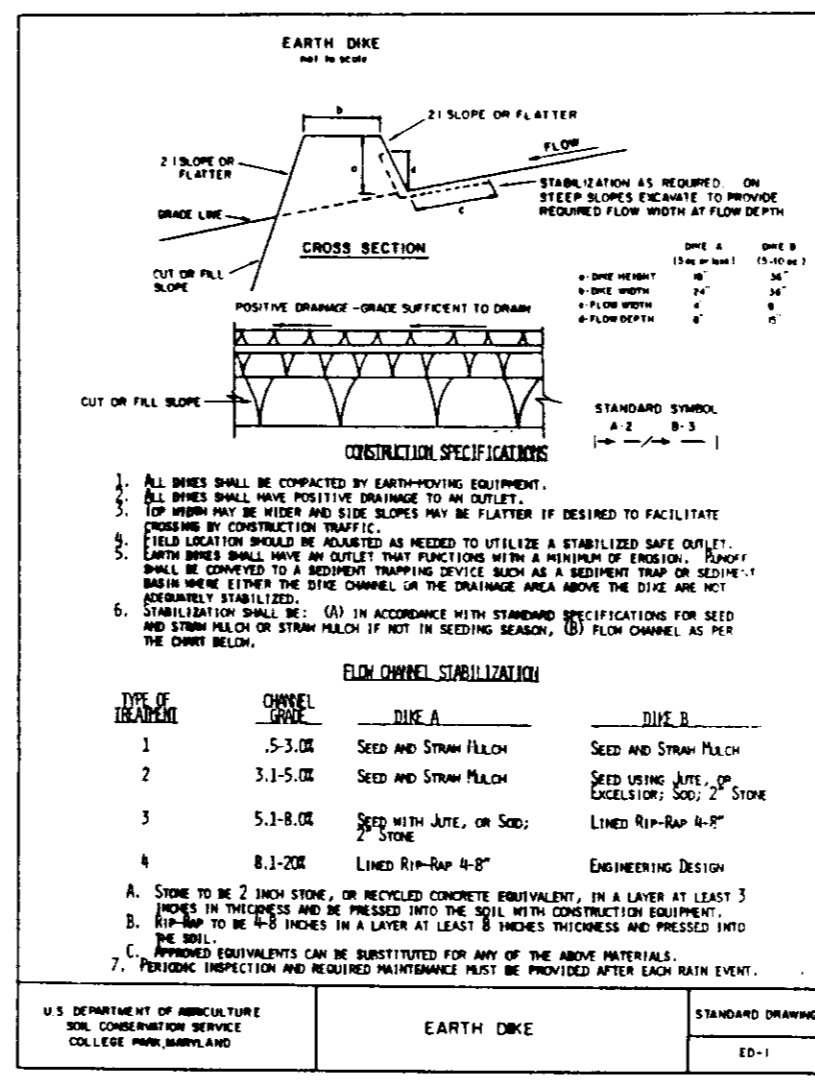
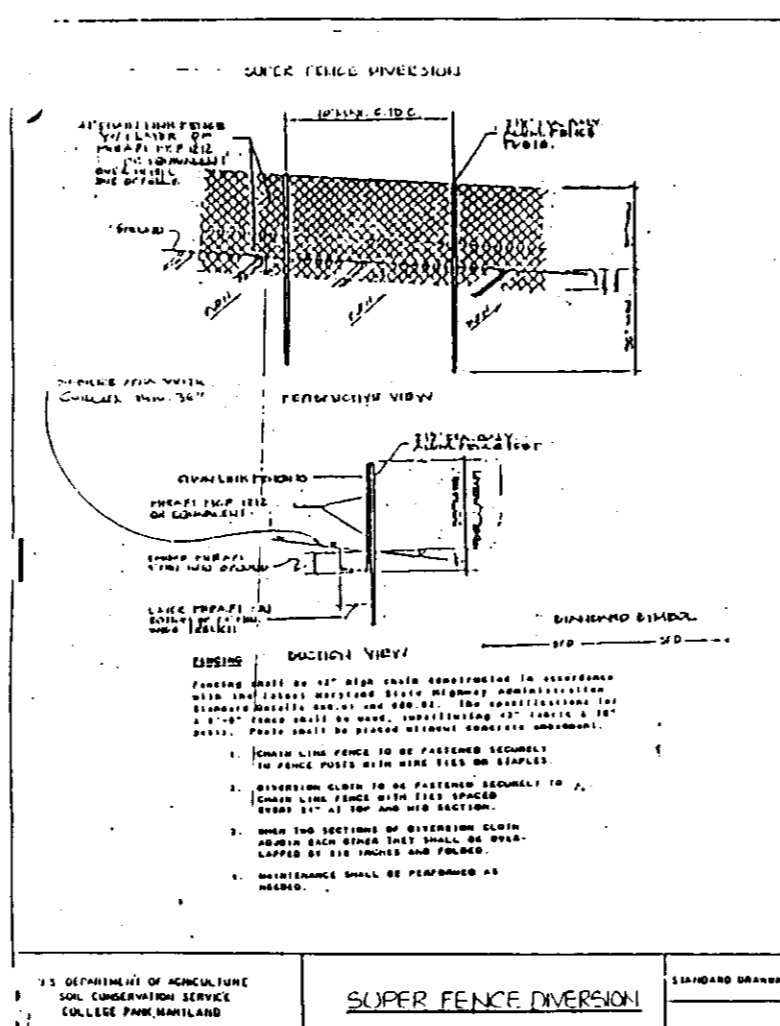
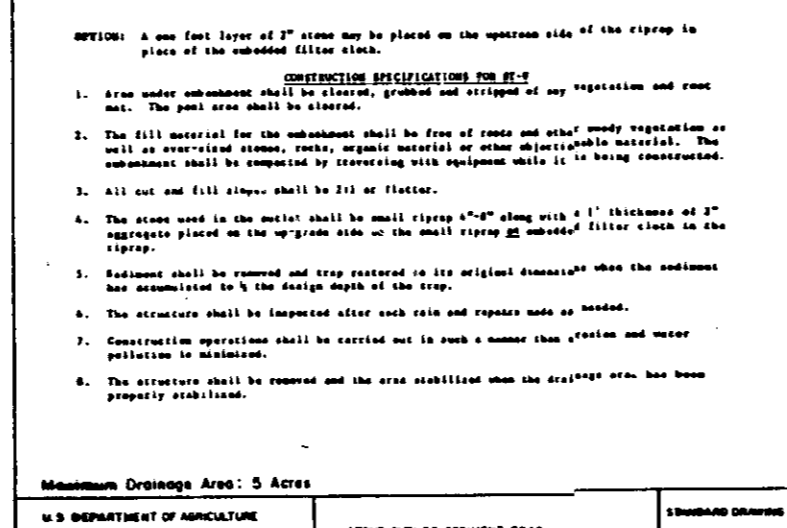
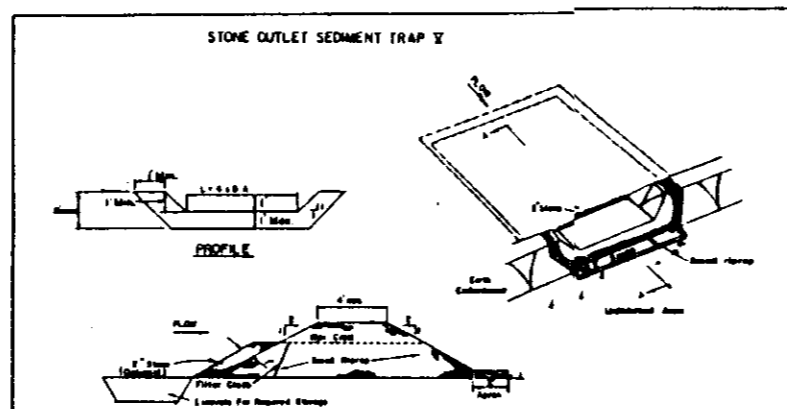


RIP-RAP TRAPEZOIDAL CHANNEL DETAIL @ 5:1
NOT TO SCALE



DRAINAGE AREA MAP

SCALE: 1"=200'

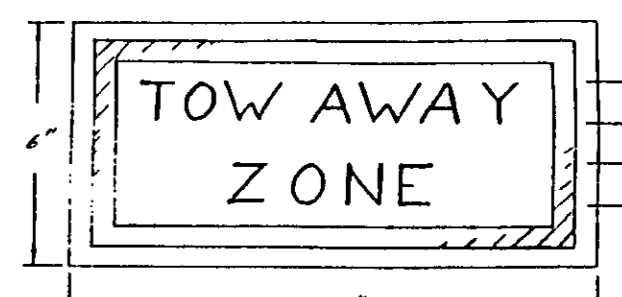


LEGEND

- PROP. DRAINAGE DIVIDE
- EXIST. DRAINAGE DIVIDE
- SOIL BOUNDARY
- PROP. DRAINAGE AREA NO.
- SOIL SYMBOL

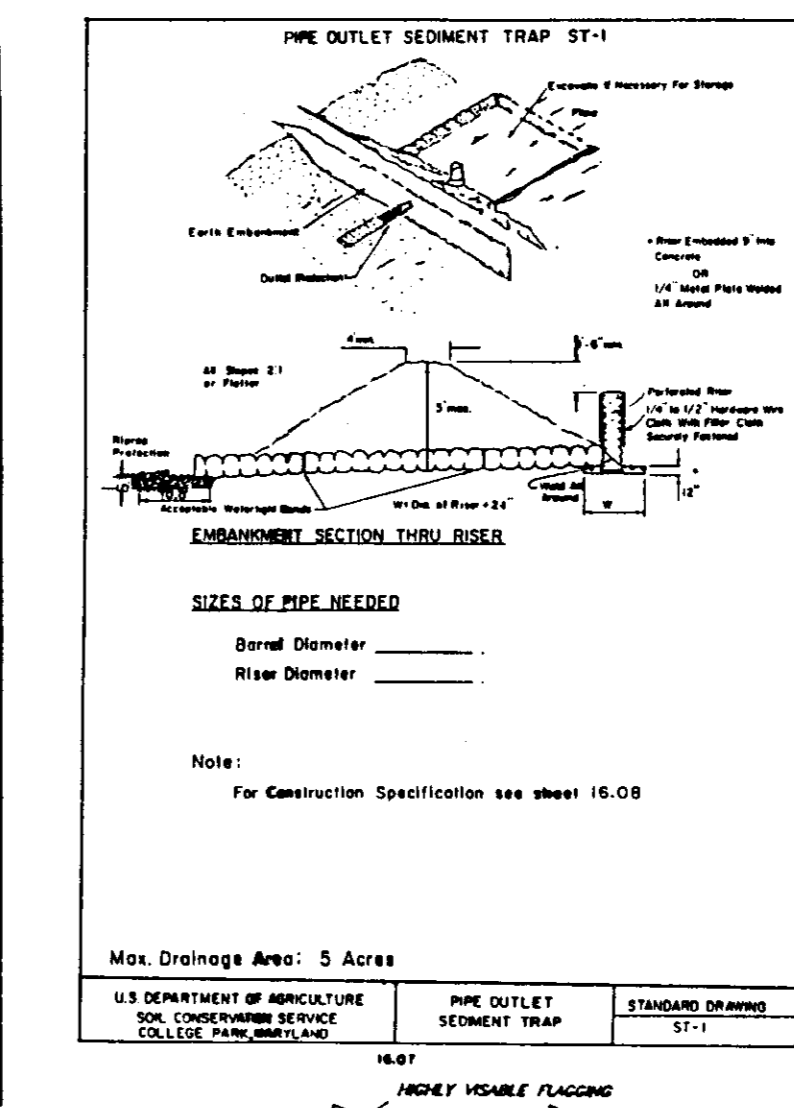
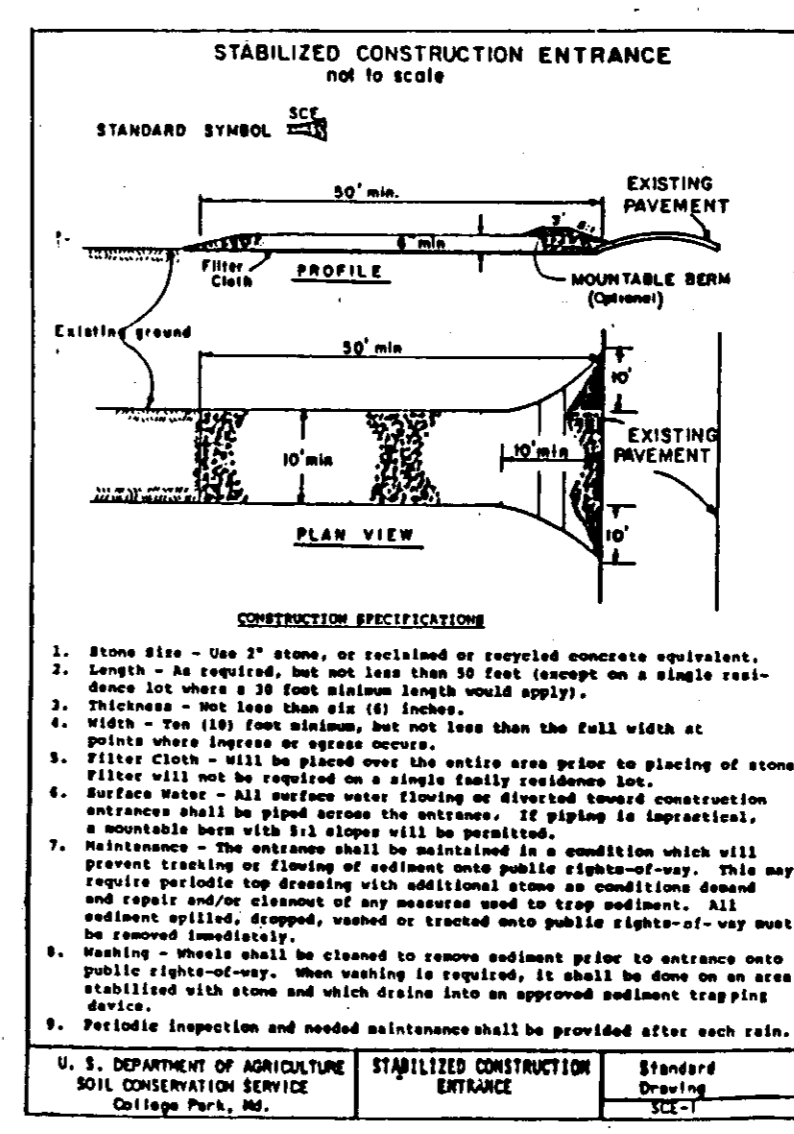
SOIL TYPE:

SYMBOL	NAME	SOIL GROUP
BeB2	BELTSVILLE SILT LOAM	C
BeC2	BELTSVILLE SILT LOAM	C
BeD2	BELTSVILLE SILT LOAM	C
CnB2	CHILUM-FAIRFAX LOAMS	C
ScB	SANDY AND CLAYEY LAND	D
ScD	SANDY AND CLAYEY LAND	D

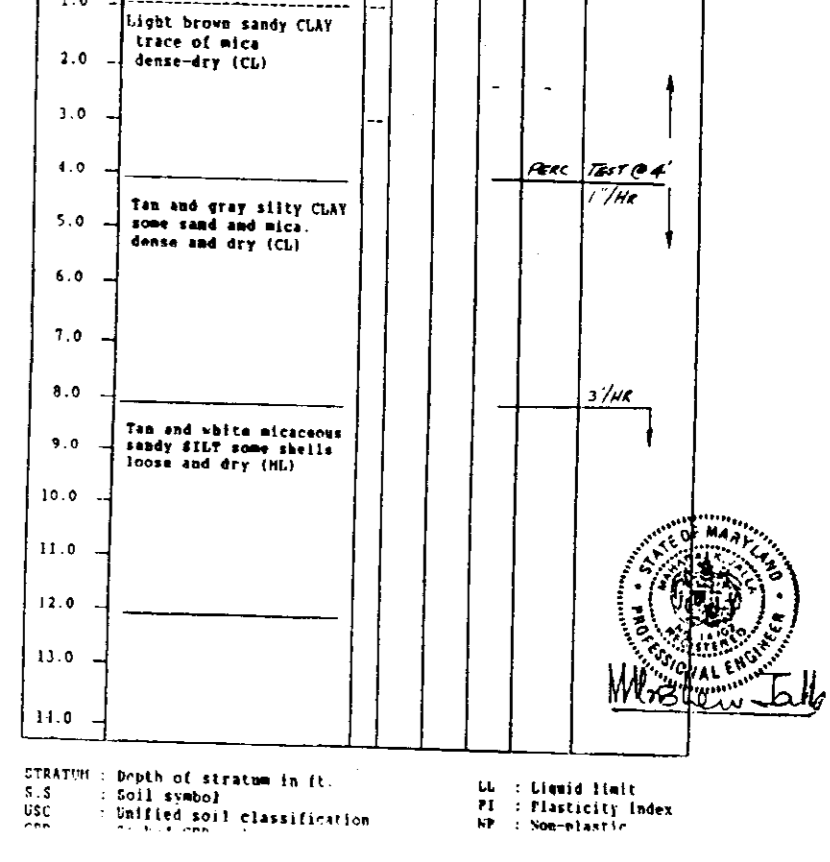


Consult For Location & Dimensions on Utility Plans or Erosion Control Plans

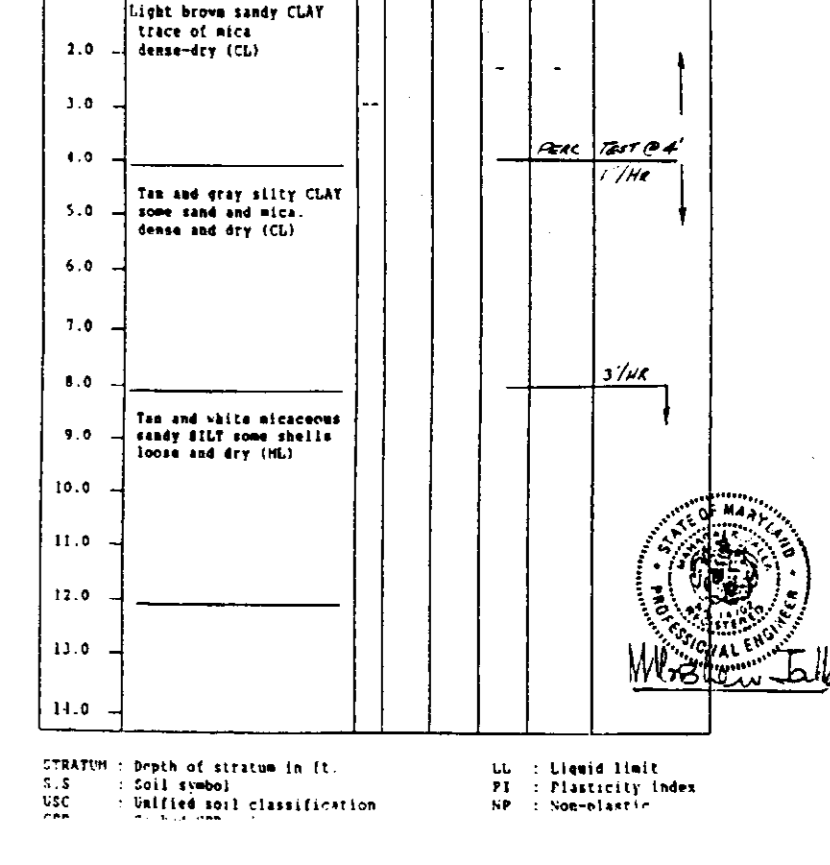
EXHIBIT 6



BOILING #3



BOILING #4



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
FOR PUBLIC WATER & SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS

James J. Lewis 8/15/94
DIRECTOR DATE

Paul J. Johnson 8/15/94
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Thomas S. DeLong 8/17/94
DIRECTOR DATE

John J. Quimman 8/17/94
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

John R. Robertson 8/19/94
DISTRICT MANAGER DATE

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

Patricia E. Fisher 8/19/94
DISTRICT MANAGER 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.

Bob Maki 8-24
ENGINEER 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 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 are deemed necessary.

R. D. Bay 8/2/94
Signature of Developer DATE

project	99012.00	date	SEPT. 93
illustration	YSL	scale	1"=100'
description	YSL	revision	1/17/94
scale	YSL	revision	10/27/93
revision	AS	revision	AS

Submitted to DPZ for signature approval
1 ADDRESS 11/17/93 COMMENTS & RESUBMITTAL TO DPZ
0 1 AT SUBMITTAL TO DPZ
NO

LOTS 3-15, BLK L, LOTS 20-29, BLK P, & LOTS 1-11, BLK Q
NORTH LAUREL PARK
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
EROSION & SEDIMENT CONTROL NOTES AND DETAILS

MILDENBERG, MOCHI & ASSOCIATES, INC.
ENGINEERS - SURVEYORS - PLANNERS
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
(410) 461-0078 D.C. Metro: (301) 621-5766 Fax: (410) 750-6340