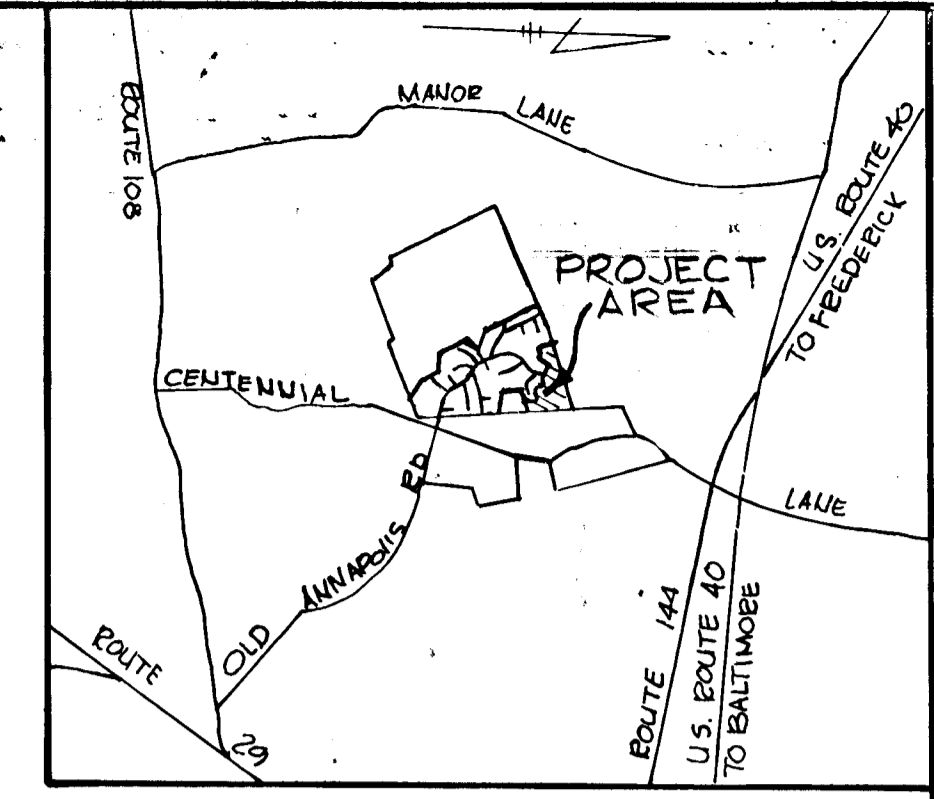
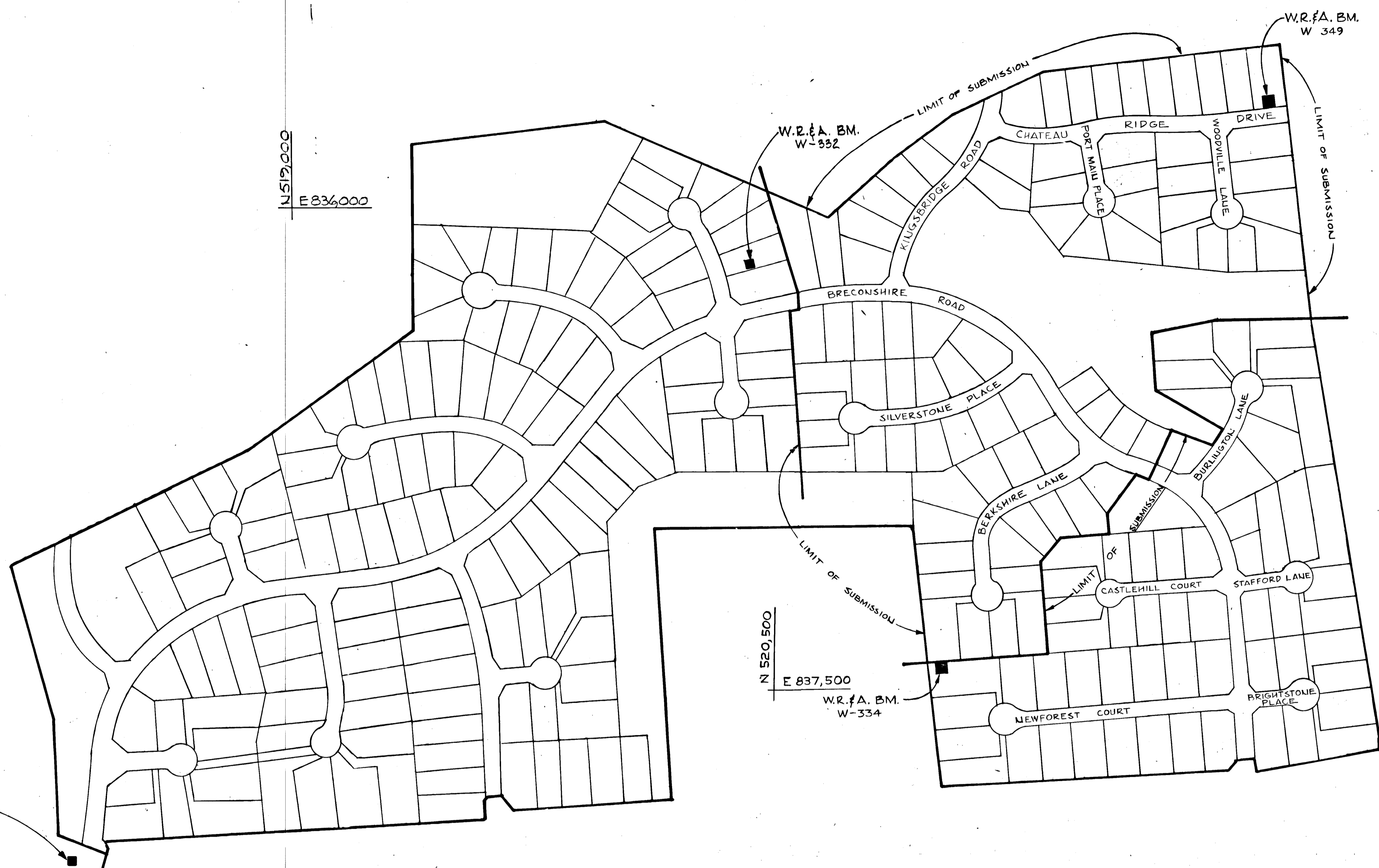
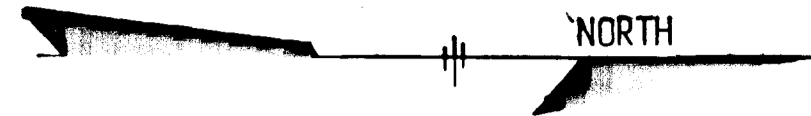


SHEET INDEX
DESCRIPTION

1. TITLE SHEET
2. PLAN AND PROFILE BRECONSHIRE RD.
3. PLAN AND PROFILE BURLINGTON LN.
4. PLAN AND PROFILE STAFFORD LN. & CASTLE HILL CT.
5. PLAN AND PROFILE NEWFOREST CT. & BRIGHTSTONE PL.
6. ROAD AND STORM DRAIN DETAILS
7. DRAINAGE AREA MAP
8. STORM DRAIN PROFILES & DETAILS
9. STORM DRAIN PROFILE
10. DRAINAGE AREA MAP FOR SEDIMENT CONTROL
11. SEDIMENT CONTROL PLAN
12. SEDIMENT CONTROL PLAN
13. SEDIMENT CONTROL DETAILS
14. SEDIMENT CONTROL DETAILS



VICINITY MAP
SCALE: 1" = 1/4 MILE

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION.
3. ALL INLETS SHALL BE HOWARD COUNTY STANDARDS UNLESS OTHERWISE SHOWN.
4. ALL STREET CURB RETURNS SHALL HAVE A 30.0' RADIUS UNLESS OTHERWISE NOTED.
5. STORM DRAIN TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CODE.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES WHERE DIRECTED BY THE ENGINEER A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION.
8. TEMPORARY COMPACTED 18" HIGH EARTH FILL DIVERSION DIKES SHALL BE CONSTRUCTED ABOVE THE LIPS OF FILL SLOPES ON THE R.O.W. CONCURRENTLY WITH THE INITIAL GRADING AND DIRECTED TO UNDISTURBED SOIL AREAS AT THE END OF EACH DAY.
9. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPT. OF INSPECTIONS AND PERMITS AT LEAST 3-DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
10. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
11. ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3500 P.S.I.
12. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDED. SEE THE SEED SPECIFICATIONS ON SHEET 13.
13. TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1984 REVISED EDITION.
14. STABILINKA (FILTER CLOTH T-100) OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP-RAP (FULL WIDTH AND LENGTH OF STONE.)
15. STONE FOR RIP-RAP SHALL BE AS SPECIFIED ON THE DRAWINGS. ALL RIP-RAP SHALL BE UNPAVED.
16. STUBS FOR 6" P.V.C. UNDERDRAIN PIPE TO BE INSTALLED AT CENTER OF EACH WALL OF EVERY INLET.
17. LAMP POST - A 250-WATT MERCURY VAPOR LAMP PENDANT MOUNTED FIXTURE ON A 30-FOOT BRONZE ALUMINUM POLE.
18. LAMP POST - A 175 WATT MODERN MERCURY VAPOR LAMP POST TOP FIXTURES ON A 12-FOOT BRONZE FIBERGLASS POLE.

LOCATION PLAN
SCALE: 1" = 200'

- BENCH MARKS**
- HOWARD COUNTY CONTROL POINT 3040001 - CONCRETE MON. @ SURFACE - 25'±. E. OF C. OF CENTENNIAL LANE. 70'± S. OF OLD ANNAPOLIS ROAD. ELEV. 494.422
 - W.R. & A. B.M. W-332 - IRON PIPE (TRAVERSE POINT) - 140'± W. OF C. S.I.A. 29+35± BRECONSHIRE ROAD. ELEV. 449.16
 - W.R. & A. B.M. W-349 - IRON PIPE (TRAVERSE POINT) - 35'± W. OF C. OF CHATEAU RIDGE DRIVE. ELEV. 449.87
 - W.R. & A. B.M. W-334 - IRON PIPE (TRAVERSE POINT) - 255'± SE OF CENTER OF BULB BERKSHIRE LN. ELEV. 474.62

STORM WATER MANAGEMENT FOR THIS PROJECT HAS BEEN PROVIDED IN BURLEIGH MANOR SECTION'S AREA 5 AND SECTION 5

Street Trees:
The location, type and number of trees, shown on these plans are tentative and are used for bond purposes only. The final location and variety of trees may vary to accommodate field conditions and builders landscape program. Bond release is contingent upon Section 16.15 of Howard County Subdivision Regulations, as approved by the Office of Planning and Zoning. The type of hardwood trees to be used are Acer Rubra (Red Maple), Platanus Acerifolia (London Plane Tree) or Tilia Cordata (Little Leaf Linden). For Planning Detail see Sheet 9.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 2/15/89
CHIEF, LAND DEVELOPMENT DIVISION DATE

[Signature] 2/15/89
CHIEF, BUREAU OF HIGHWAY DATE

[Signature] 2/15/89
CHIEF, BUREAU OF ENGINEERING DATE

REV. DATE	REV. NO.	REVISION	DESCRIPTION

BURLEIGH MANOR
SECTION 3 AREA 6
LOTS 602 - 663
ROAD CONSTRUCTION PLANS
2nd ELECTION DISTRICT OF HOWARD COUNTY, MD.

DEVELOPER
ROSE / RICHMOND JOINT VENTURE
BALTIMORE, MARYLAND

SCALE: AS SHOWN DATE: 2-15-89

WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND 21218
[Signature]
KENNETH A. McCORD P.E. No. 1974

OWNER
STEWART GREENEBAUM &
THOMAS J. PELLERITO, TRUSTEES
BALTIMORE, MARYLAND

OFFICE OF PLANNING AND ZONING
[Signature] 2-23-89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

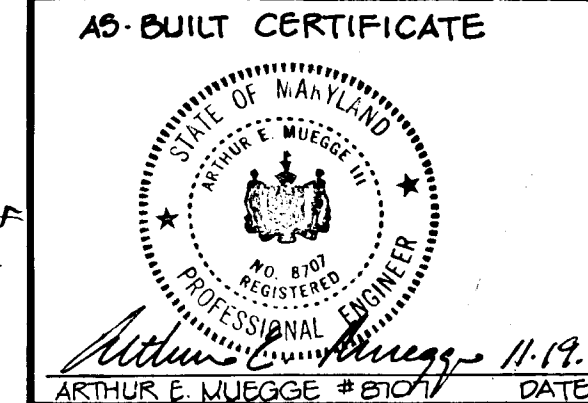
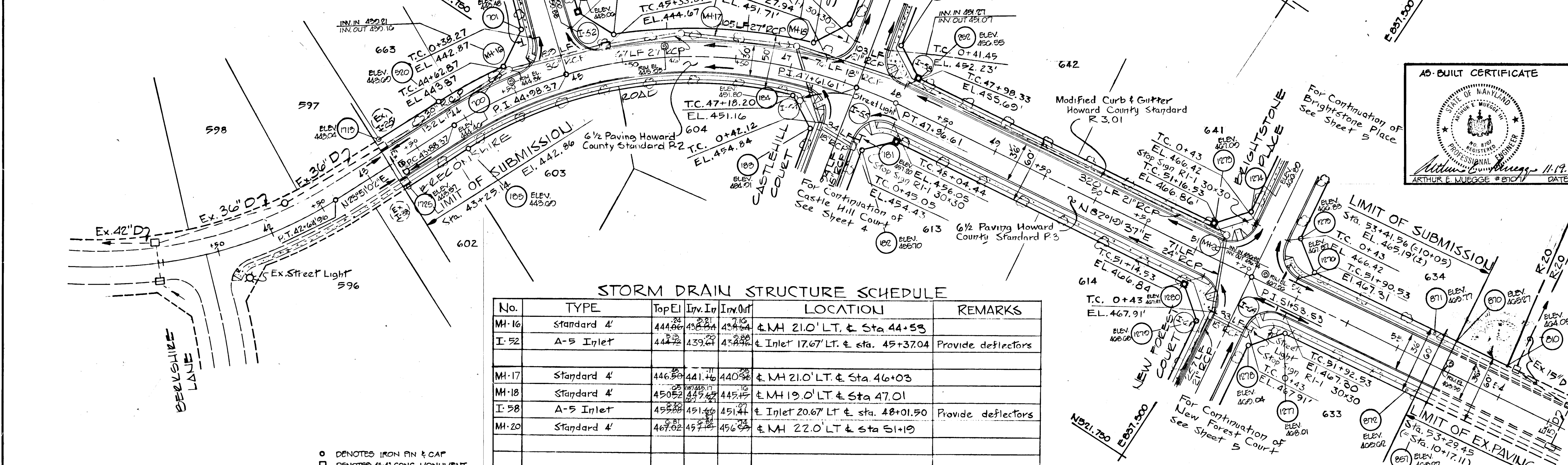
CURVE DATA

Station	Δ	Rad.	Arc.	Tan	Ch'd	Ch'd Brg.
P.C. 43+88.37 to P.I. 44+98.37	15°45'23"	400'	110.00	55.35	109.65	U31°43'43"
P.I. 44+98.37 to P.I. 47+61.61	37°42'25"	400'	263.24	136.59	258.52	U58°27'31"
P.I. 47+61.61 to P.I. 47+96.61	05°00'48"	400'	35.00	17.51	34.09	U79°49'13"

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul J. ...
 CHIEF, LAND DEVELOPMENT DIVISION DATE 2/15/89
W. W. ...
 CHIEF, BUREAU OF HIGHWAYS DATE 2/11/89
...
 CHIEF, BUREAU OF ENGINEERING DATE 2-15-89
 APPROVED: OFFICE OF PLANNING AND ZONING
Mark S. ... 2-23-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 1/8

PLAN
 SUPERVISOR: _____
 NOTE BOOK: _____
 NO. _____
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____

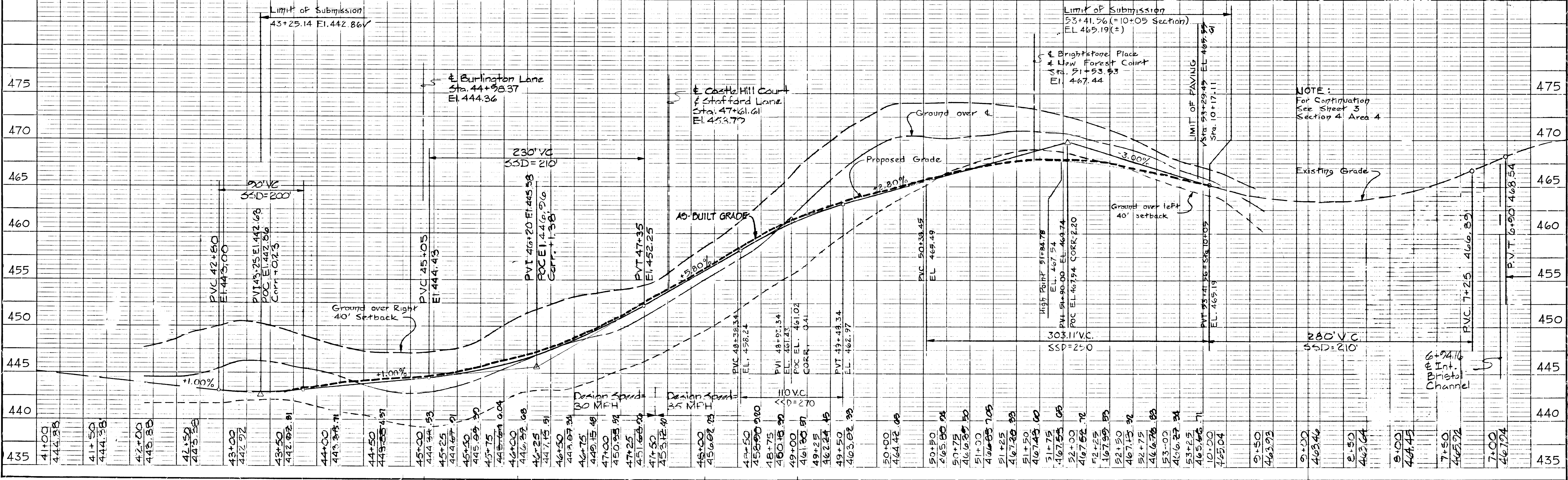


STORM DRAIN STRUCTURE SCHEDULE

No.	TYPE	Top El.	Inlet	Inv. Out.	LOCATION	REMARKS
MH-16	Standard 4'	444.86	438.24	438.24	± MH 21.0' LT. & Sta 44+53	
I-52	A-5 Inlet	444.72	439.61	438.96	± Inlet 17.67' LT. & Sta. 45+37.04	Provide deflectors
MH-17	Standard 4'	446.50	441.71	440.38	± MH 21.0' LT. & Sta 46+03	
MH-18	Standard 4'	450.52	445.62	445.15	± MH 19.0' LT. & Sta 47.01	
I-58	A-5 Inlet	455.28	451.60	451.44	± Inlet 20.67' LT. & Sta. 48+01.50	Provide deflectors
MH-20	Standard 4'	467.62	457.25	456.29	± MH 22.0' LT. & Sta 51+19	

○ DENOTES IRON PIN & CAP
 □ DENOTES 4" x 4" CONC. MONUMENT

PROFILE
 SUPERVISOR: _____
 NOTE BOOK: _____
 NO. _____
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____

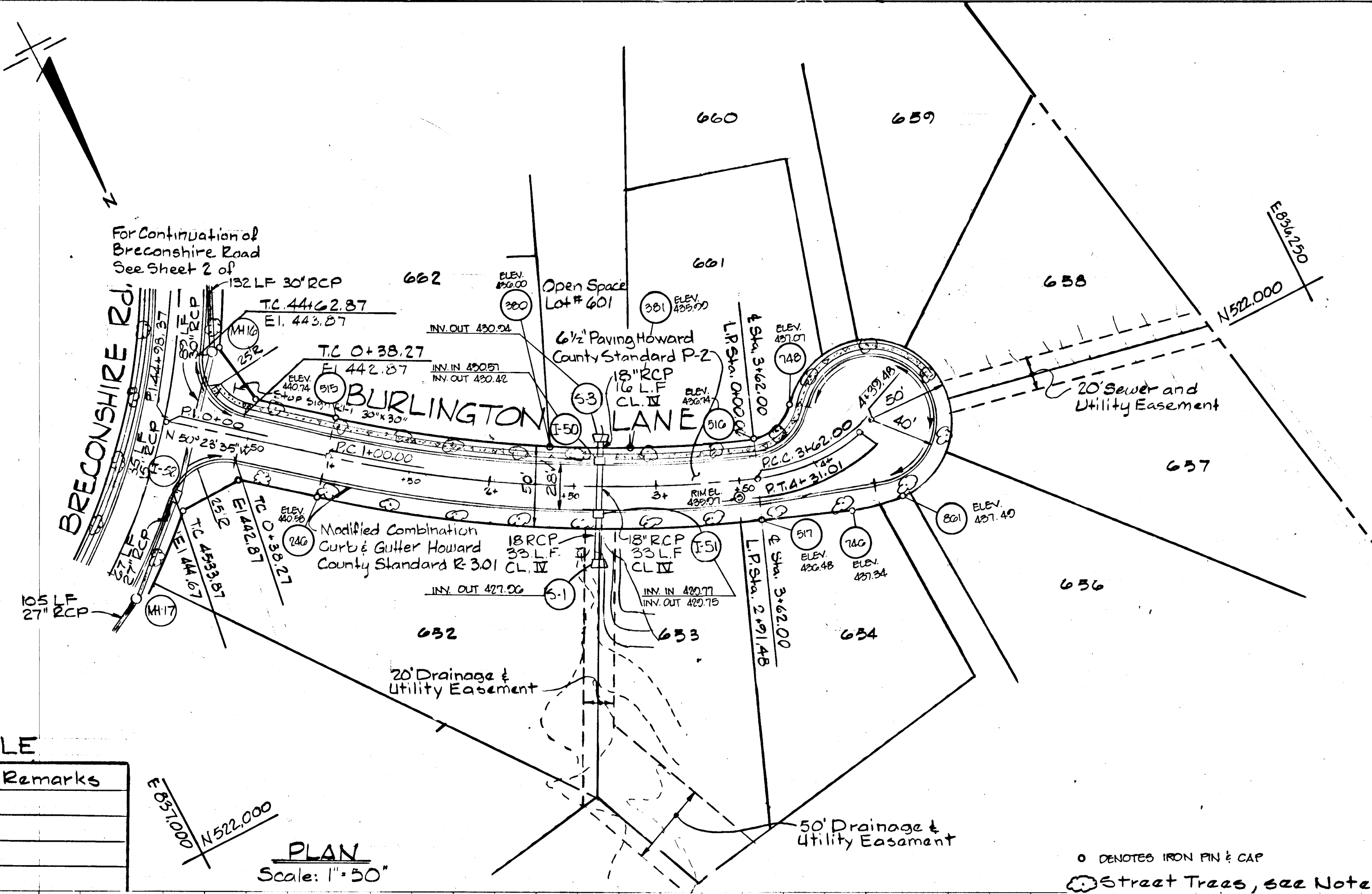


NOTE:
For Continuation See Sheet 3 Section 4 Area 4

CURVE DATA

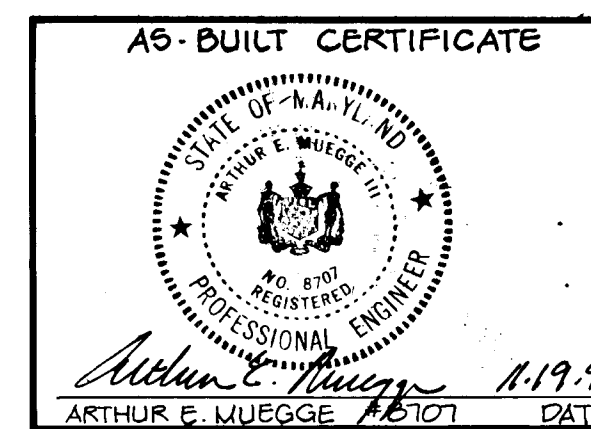
BURLINGTON LANE					
PC	+	to	PCC	+	PT
1400.00			3+62.00		
Δ	Radius	Arc	Tan	Chd	Chd Brg.
18°45'52"	800.00	262.00	132.18	260.83	N59°46'31"W
PC	+	to	PT	+	to
3+62.00			4+31.01		
Δ	Radius	Arc	Tan	Chd	Chd Brg.
36°04'12"	109.62	69.01	35.69	67.88	N87°11'33"W

E551.000
N521.500



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE
 [Signature] 2/14/89
 CHIEF, BUREAU OF HIGHWAYS DATE
 [Signature] 2/11/89
 CHIEF, BUREAU OF ENGINEERING DATE
 APPROVED: OFFICE OF PLANNING AND ZONING
 [Signature] 2-27-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

11-91
 REV. DATE REV. NO. REVISION DESCRIPTION
 BURLEIGH MANOR
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DEVELOPER
 ROSE/RICHMOND JOINT VENTURE
 PROJECT AREA:
 BURLEIGH MANOR
 SECTION 3 AREA G
 PROJECT TITLE:
 PLAN AND PROFILE
 BURLINGTON LANE
 SCALE: 1" = 50' DATE: 8/8/88
 WHITMAN, REQUIARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21218



[Signature] Kenneth A. McCord
 KENNETH A. MCCORD
 Registered Engineer
 No. 1974

PLAN
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 BY: _____
 DATE: _____
 CHECKED: _____
 RT. OF WAY CHECKED: _____
 NO. _____

STORM DRAIN STRUCTURE SCHEDULE

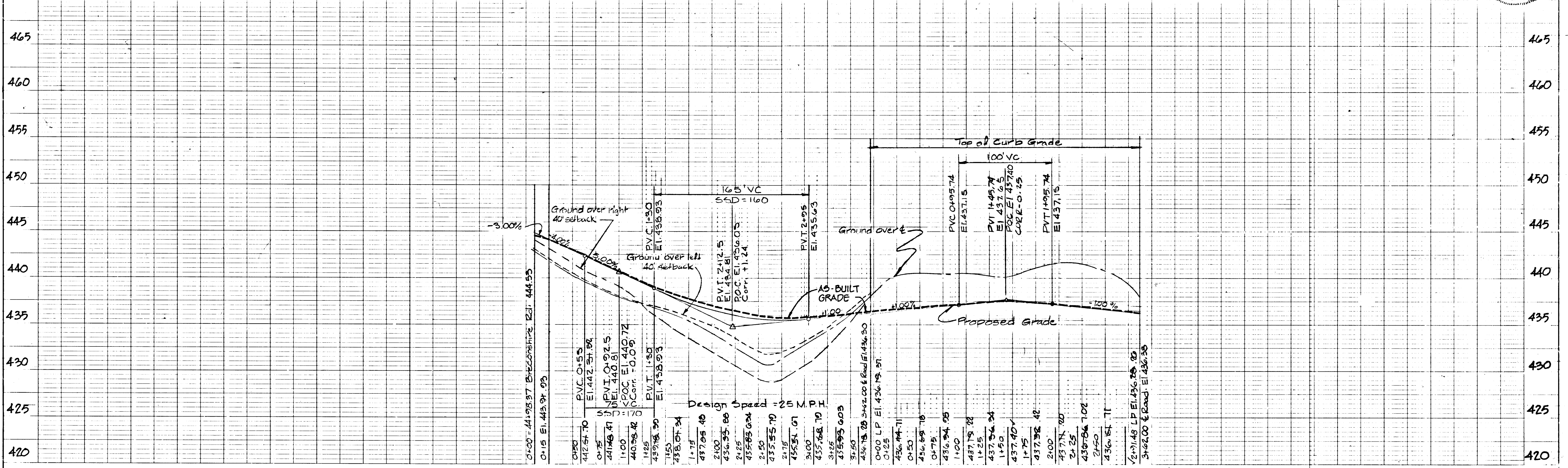
No	Type	Top El.	Inv. In	Inv. Out	Location	Remarks
S-3	18" End Section	-		430.51	± Struc. 32.67 Lt. & Sta. 2+61	
S-1	18" End Section	-		428.0	± Struc. 49.67 Rt. & Sta. 2+61	
I50	A-5 Inlet	435.45	428.82	428.72	± Inlet 16.67 Lt. & Sta. 2+61	
I51	A-5 Inlet	435.45	430.85	430.18	± Inlet 16.67 Rt. & Sta. 2+61	

E551.000
N522.000

PLAN
 Scale: 1" = 50'

○ DENOTES IRON PIN & CAP
 ☉ Street Trees, see Notes on Sheet #1

PROFILE
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 BY: _____
 DATE: _____
 CHECKED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 NO. _____

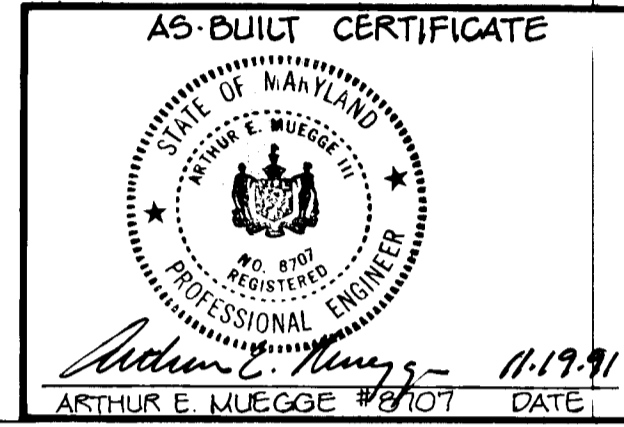
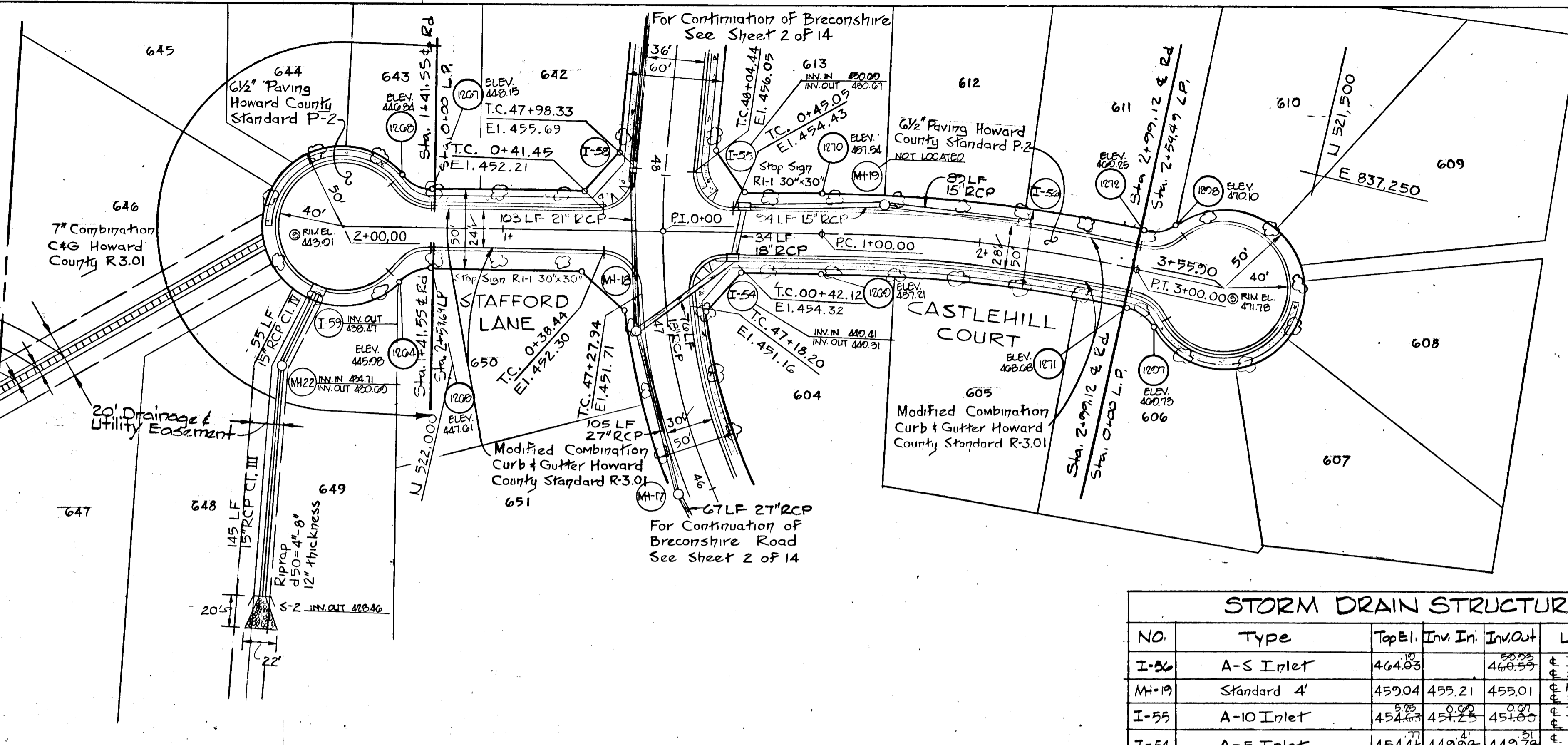


BURLINGTON LANE SCALE: Vert: 1" = 5' Hor: 1" = 50'

F-89-37 SHEET 3 OF 14

AS-BUILT: 11-10-91

CURVE DATA					
CASTLE HILL COURT					
P.C.	+	to		P.T.	
1+00.00					3+00.00
Δ	Radius	Arc	Tan	Ch'd	Ch'd Brg.
11°27'33"	1000'	200'	100.34	199.67'	56°57'24"E



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Paul J. Deane 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE
J. W. Wickham 2/14/89
 CHIEF, BUREAU OF HIGHWAYS DATE
J. S. ... 2/15/89
 CHIEF, BUREAU OF ENGINEERING DATE
 APPROVED: OFFICE OF PLANNING AND ZONING
Marsha J. ... 2-27-89
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

REV. NO.	REVISION DESCRIPTION
11-91	

BURLEIGH MANOR
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DEVELOPER
 ROSE/RICHMOND JOINT VENTURE
 PROJECT AREA:
 BURLEIGH MANOR
 SECTION 3 AREA 6

PROJECT TITLE:
 PLAN AND PROFILE
 CASTLE HILL COURT AND
 STAFFORD LAUE

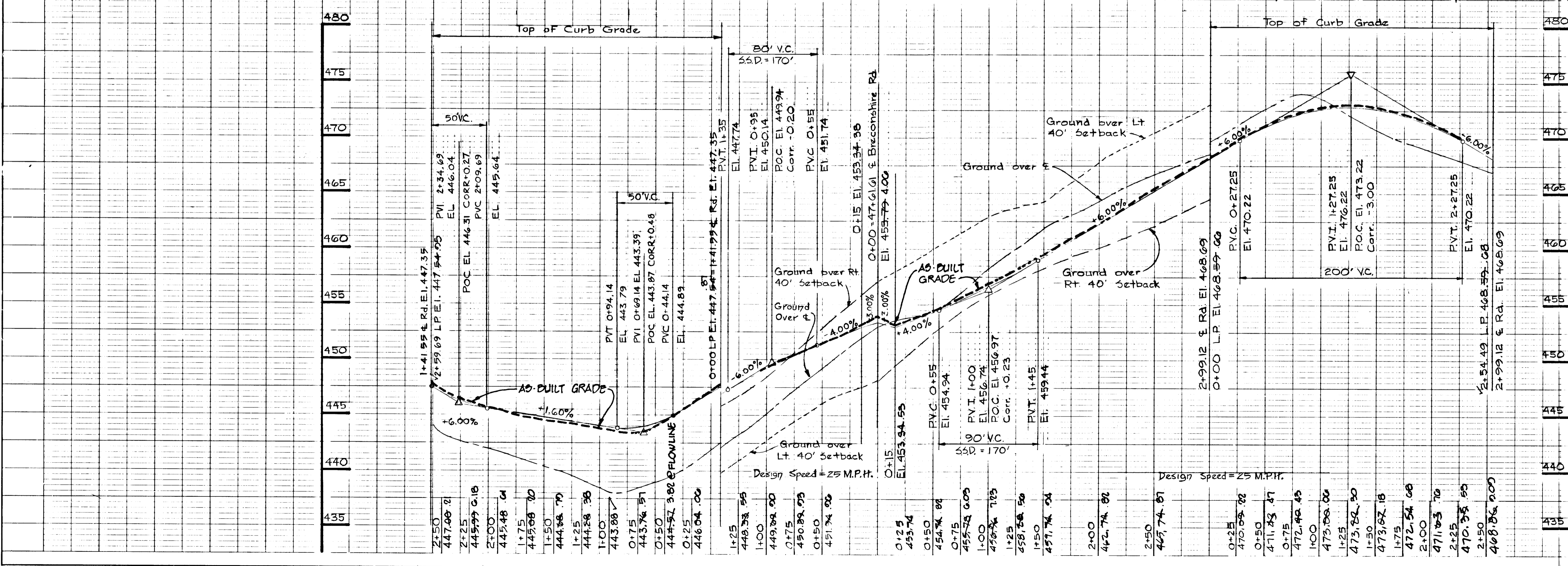
SCALE: 1" = 50' DATE: 6/8/88

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21218

Kenneth A. McCord
 KENNETH A. MCCORD
 Registered Engineer
 No. 1974

NO.	Type	Top El.	Inn. In.	Inn. Out.	Location	Remarks
I-26	A-S Inlet	464.05		460.55	± Inlet L 16.67' ± Sta. 2+23.30	Provide Deflectors
M-19	Standard 4'	459.04	455.21	455.01	± Sta. 1+38.00 ± Inlet L 16.67' ± Sta. 0+50.72	
I-55	A-10 Inlet	454.41	449.78	449.78	± Inlet R 16.67' ± Sta. 0+44.72	Provide Deflectors
I-54	A-S Inlet	454.41	449.78	449.78	± Sta. 0+44.72	
M-22	Standard 4'	439.50	434.34	430.18	See Plan	
S-2	15" End Section	-		428.44	See Plan	

PLAN Scale 1" = 50' ○ DENOTES IRON PIN & CAP



STAFFORD LAUE | Keuffel & Esser Company | CASTLE HILL COURT

CURVE DATA					
NEW FOREST COURT					
P.C. 4+50.00 to P.T. 7+00.00					
Δ	Radius	Arc	Tan	Chd	Chd Ery
28°57'39"	1600'	250.00'	123.26'	249.75'	503'43" 2"E

Existing Burleigh Manor
Section 4 Area 4

STORM DRAIN STRUCTURE SCHEDULE						
No	Type	Top El	Inv. In	Inv. Out	Location	Remarks
I-60	A-10 Inlet	463.99	458.72	458.72	Inlet L.P. Sta 1+88.64	
I-61	A-5 Inlet	467.92	457.87	457.87	Inlet 16.67' Rt. & Sta. 0+46.17	Provide Deflectors
I-62	A-10 Inlet	466.63	462.78	462.78	Inlet 16.67' Rt. & Sta. 5+65.00	
I-63	A-10 Inlet	466.63	462.78	462.78	Inlet 16.67' Rt. & Sta. 5+65.00	
I-64	A-5 Inlet	467.92	461.72	461.72	Inlet 16.67' Lt. & Sta. 0+46.17	
I-65	A-5 Inlet	468.50	461.88	461.88	Inlet 16.67' Rt. & Sta. 4+76.00	Provide Deflectors
MH21	Standard 4'	472.84	460.23	460.23	MH 17.0 Rt. & Sta. 3+02.00	

APPROVED: HOWARD COUNTY DEPARTMENT
OF PUBLIC WORKS

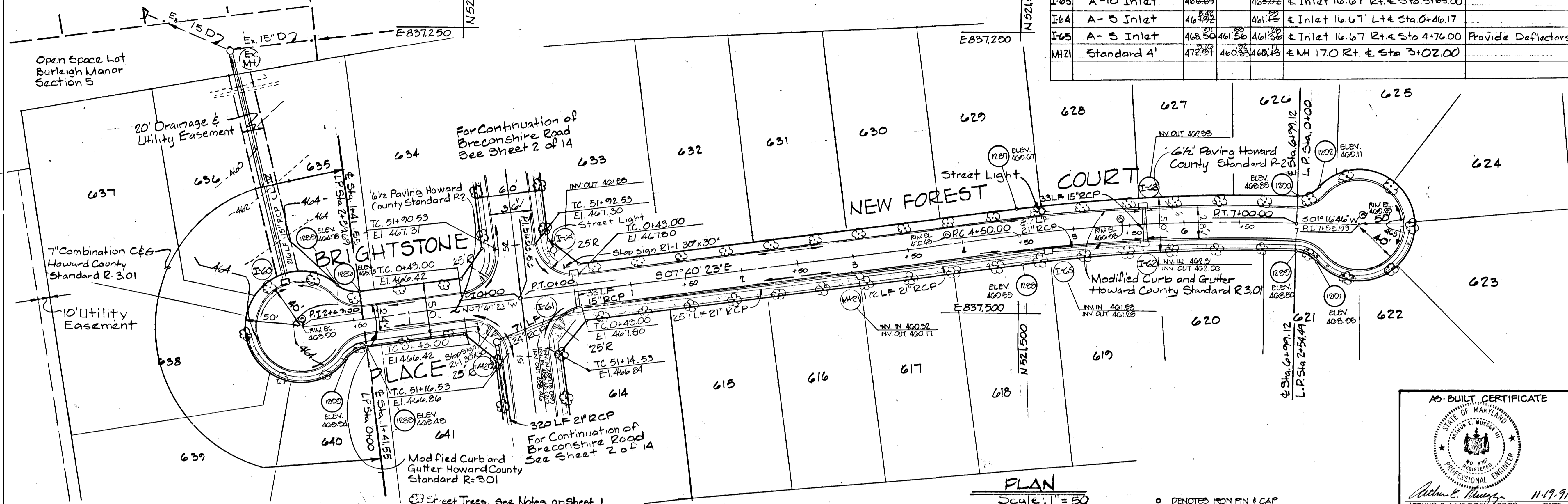
Paul J. Moran 2/15/89
CHIEF, LAND DEVELOPMENT DIVISION DATE

James W. Pease 2/17/89
CHIEF, BUREAU OF HIGHWAYS DATE

James W. Pease 2/15/89
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND
ZONING

Frank J. Langley 2-27-89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



11-91
REV. DATE REV. NO. REVISION DESCRIPTION

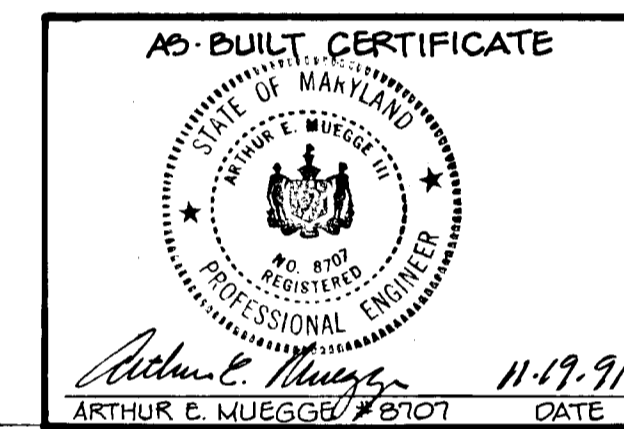
BURLEIGH MANOR
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEVELOPER
ROSE/RICHMOND JOINT VENTURE

PROJECT AREA:
BURLEIGH MANOR
SECTION 3 AREA 6

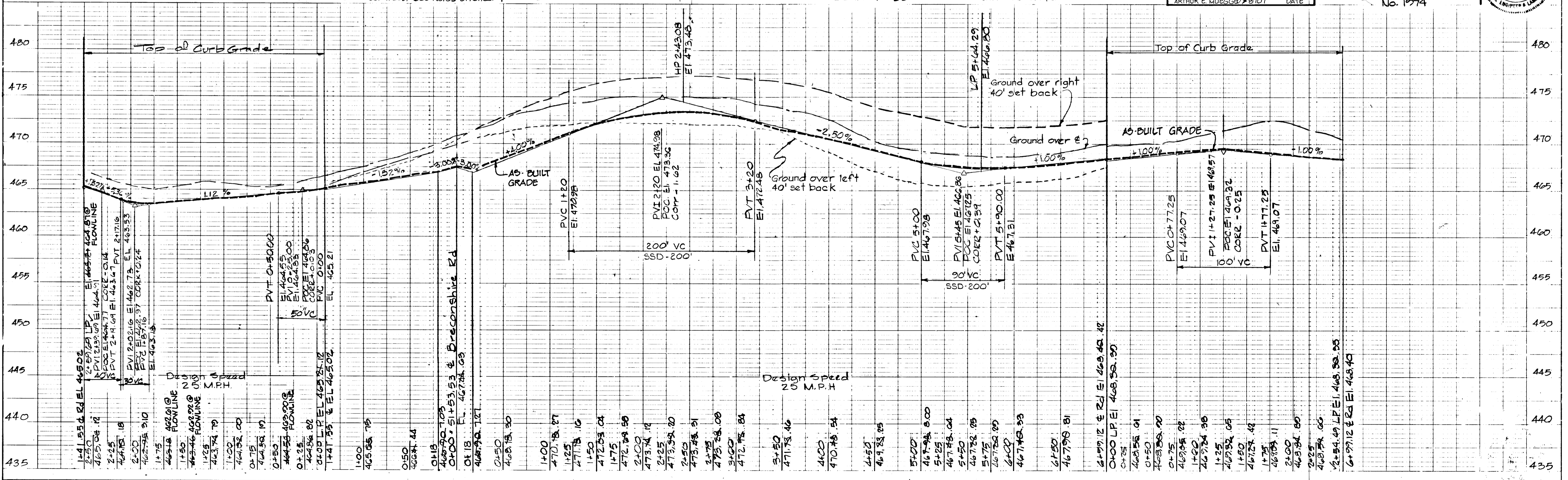
PROJECT TITLE:
PLAN AND PROFILE
NEW FOREST COURT AND
BRIGHTSTONE PLACE

SCALE: 1" = 50' DATE: 8/8/88



WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
BALTIMORE, MARYLAND 21218

Kenneth A. McCord
KENNETH A. MCCORD
Registered Engineer
No. 1974

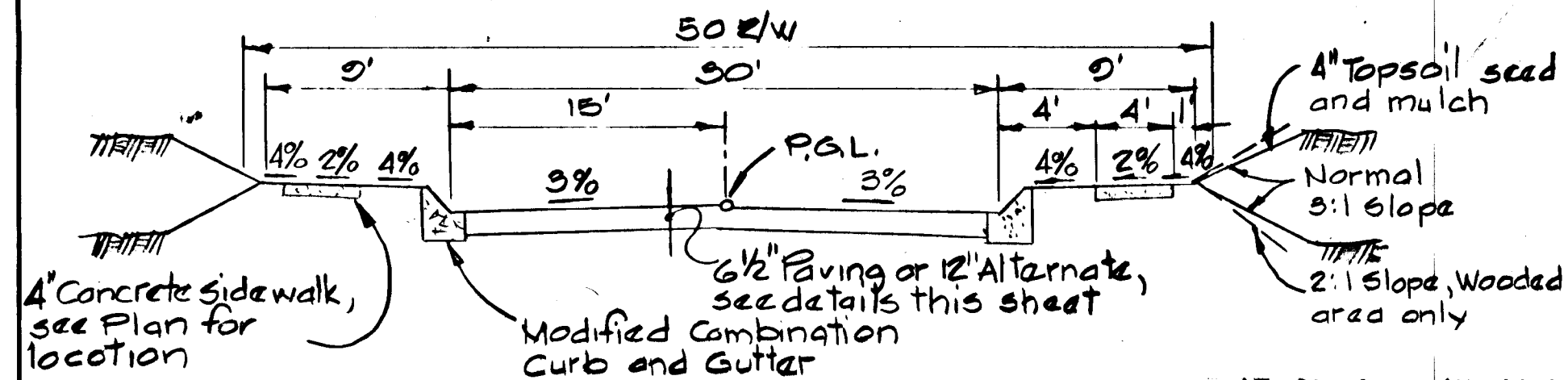


BRIGHTSTONE PLACE Scale: Vert: 1" = 5'
Hor: 1" = 50'

NEW FOREST COURT Scale: Vert: 1" = 5'
Hor: 1" = 50'

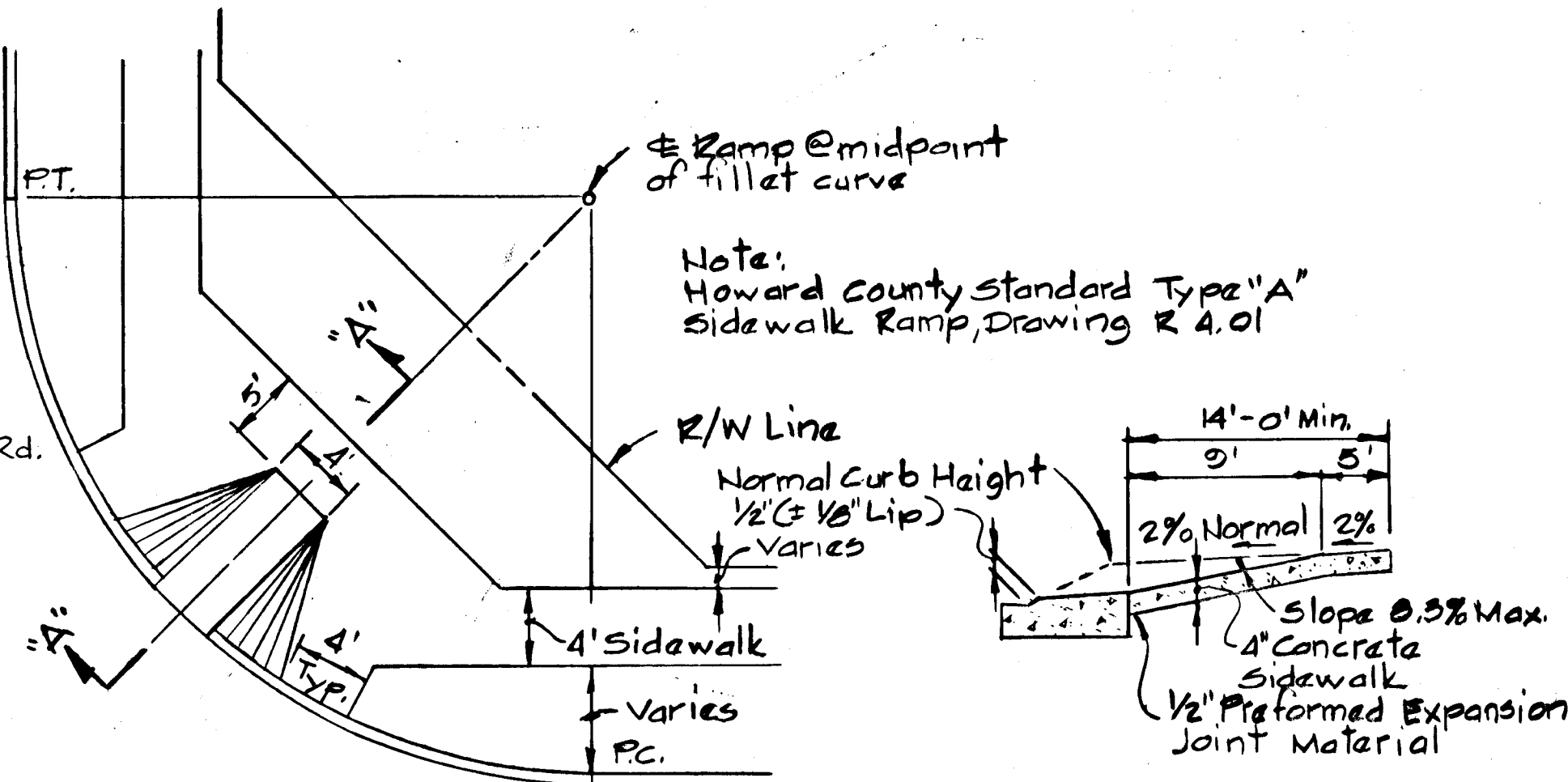
DESIGN SPEED
30 M.P.H.

LOCAL STREET Zoning = S.F.L.D



TYPICAL SECTION

No Scale



PLAN

SECTION "A-A"

WHEEL CHAIR RAMP DETAIL

No Scale

OFFICE OF PLANNING AND ZONING

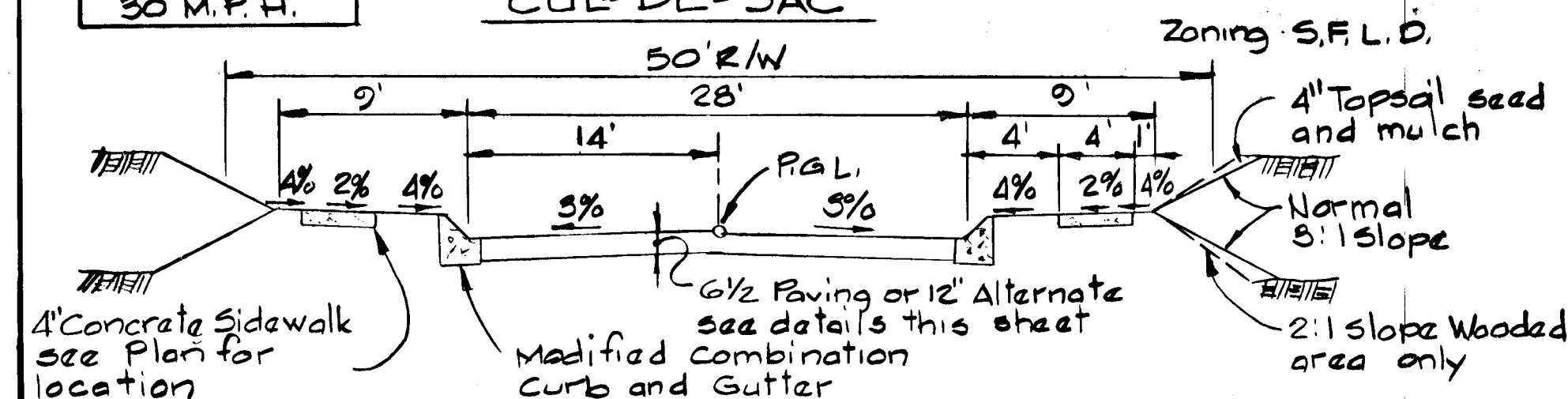
DATE: 2-27-89
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: 2/15/89
CHIEF, LAND DEVELOPMENT DIVISION
DATE: 2/17/89
CHIEF, BUREAU OF HIGHWAYS
DATE: 2/15/89
CHIEF, BUREAU OF ENGINEERING

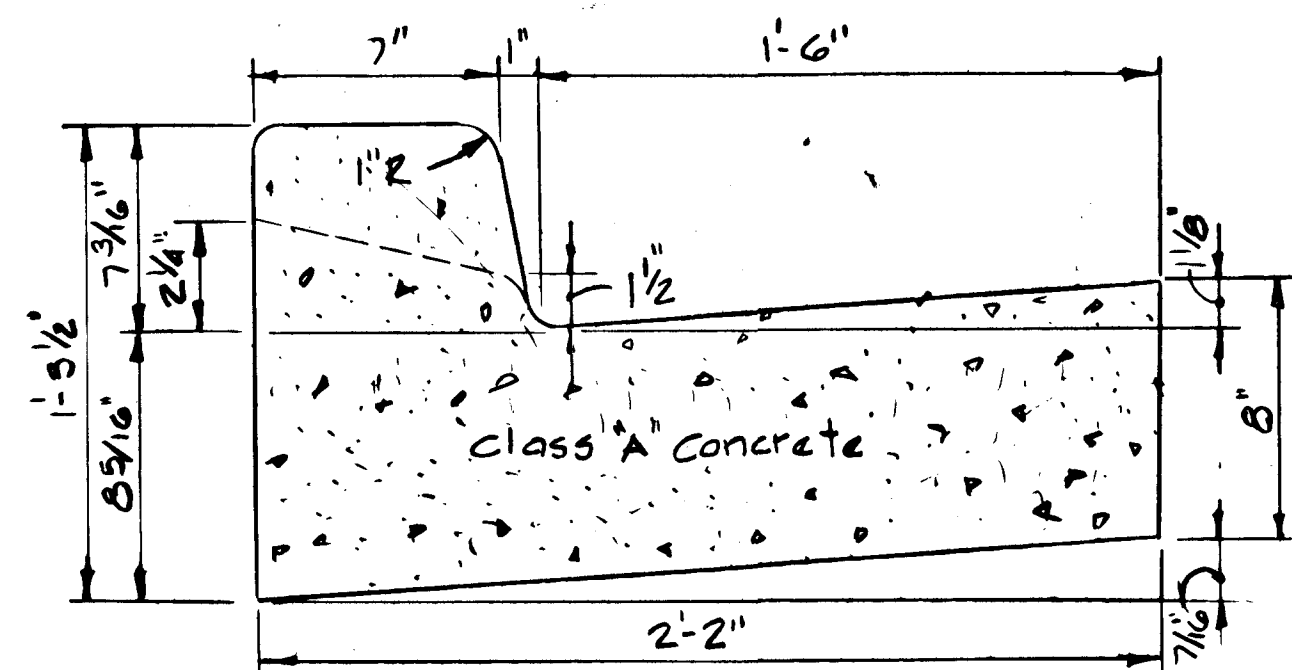
Design Speed
30 M.P.H.

CUL-DE-SAC Zoning S.F.L.D.



TYPICAL SECTION

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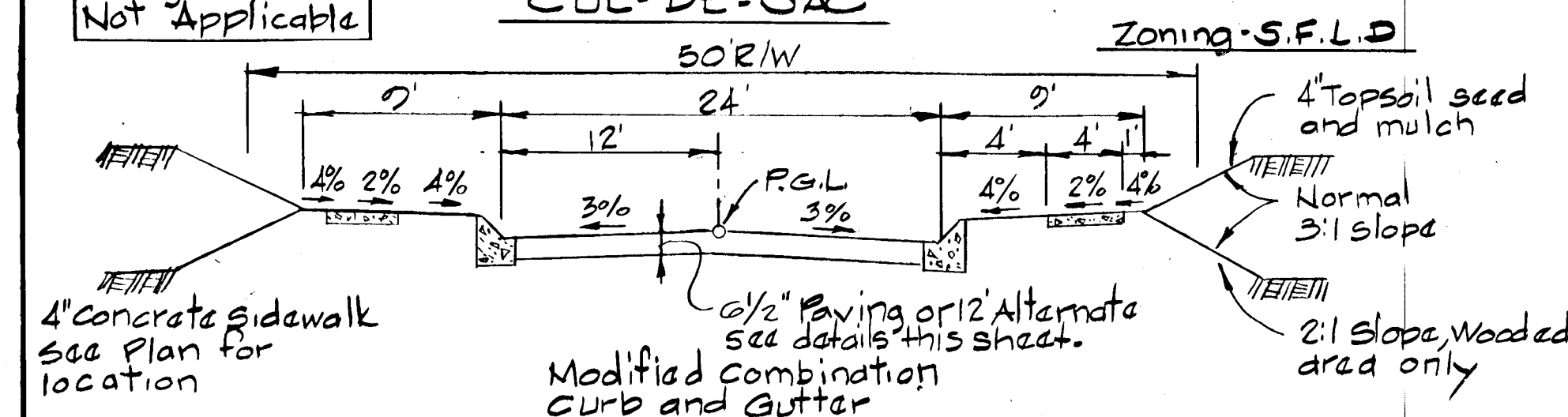


STANDARD 7" COMBINATION CURB & GUTTER

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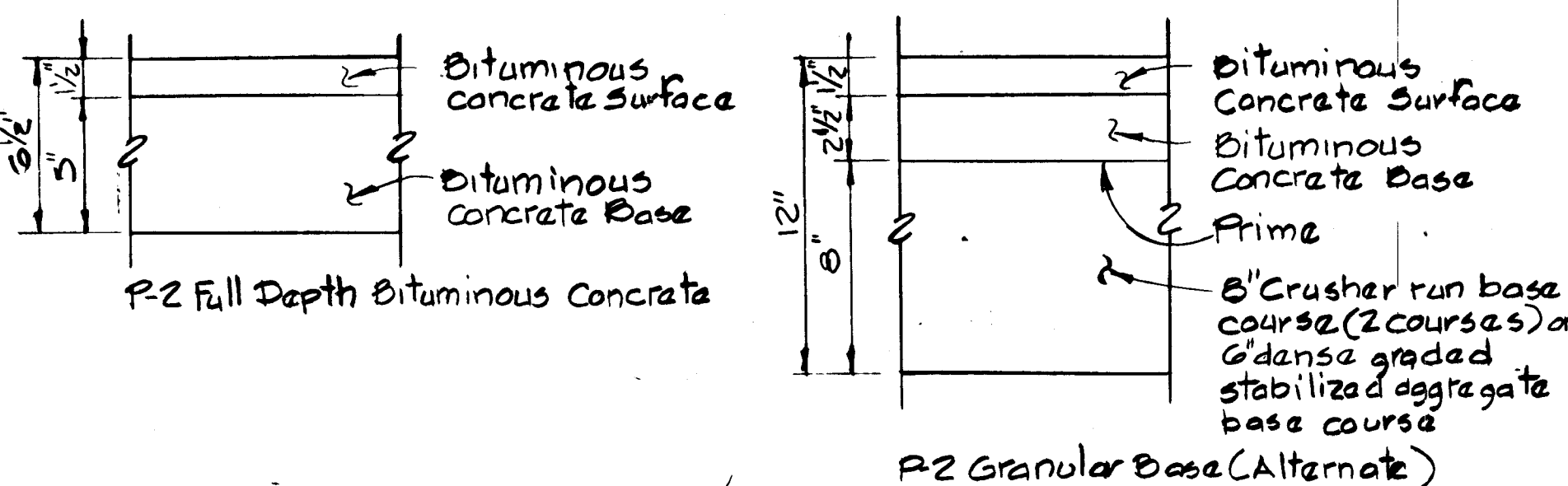
Design Speed
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CUL-DE-SAC Zoning S.F.L.D.



TYPICAL SECTION

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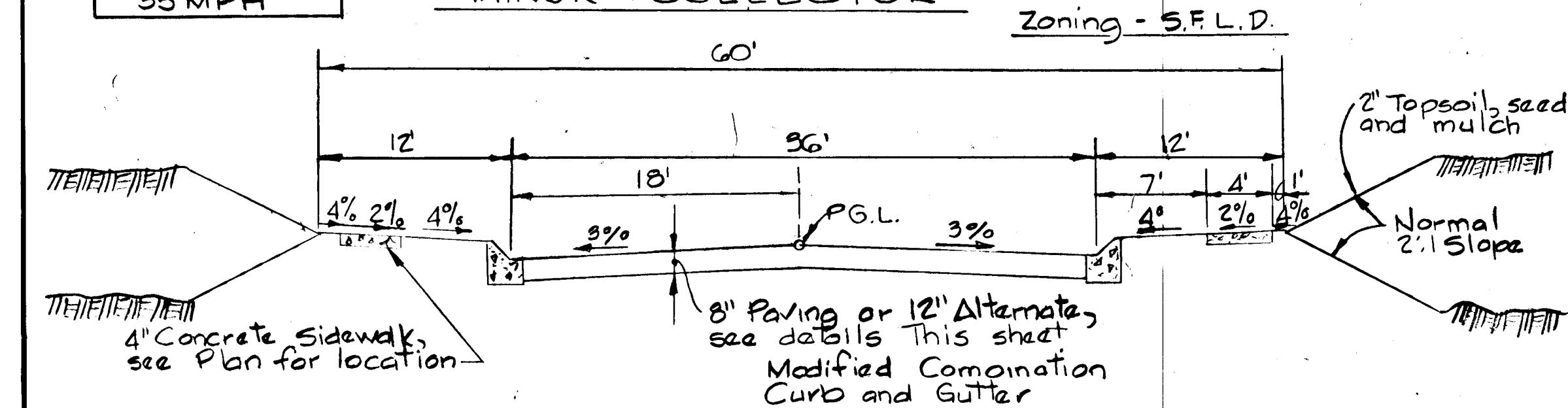


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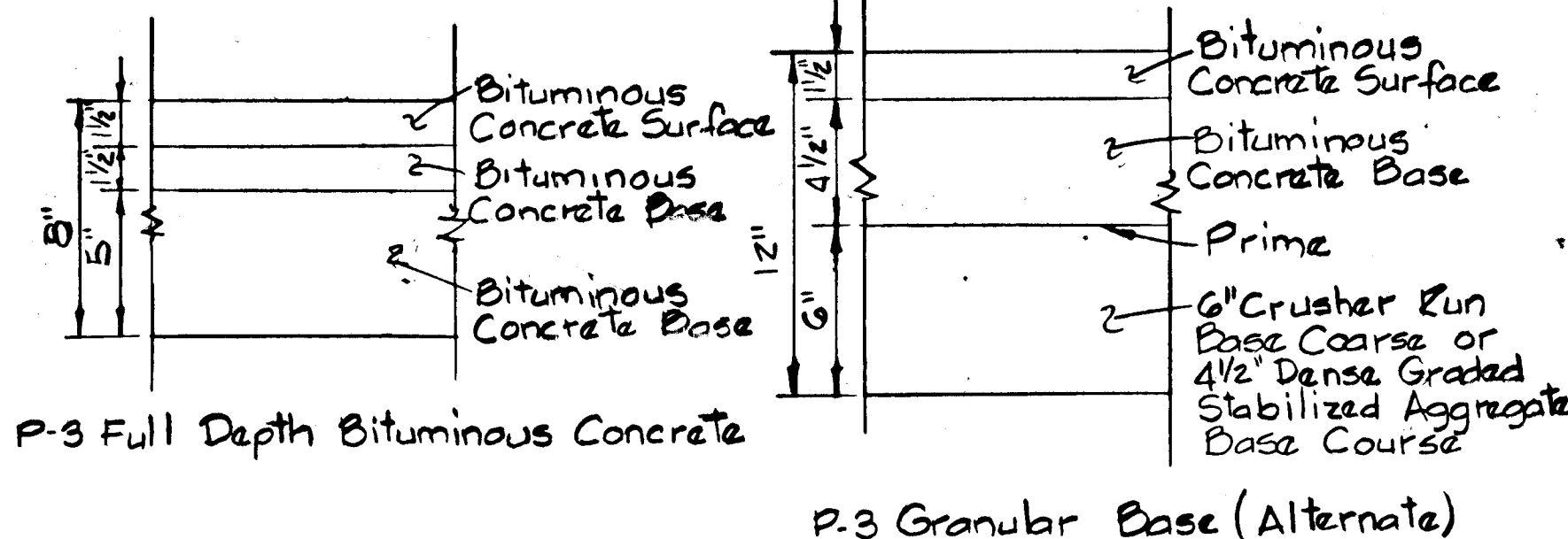
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MINOR COLLECTOR Zoning - S.F.L.D.



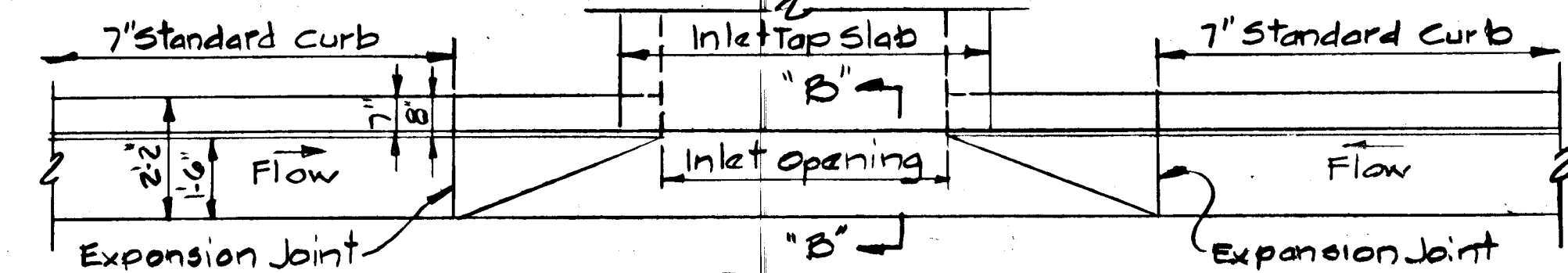
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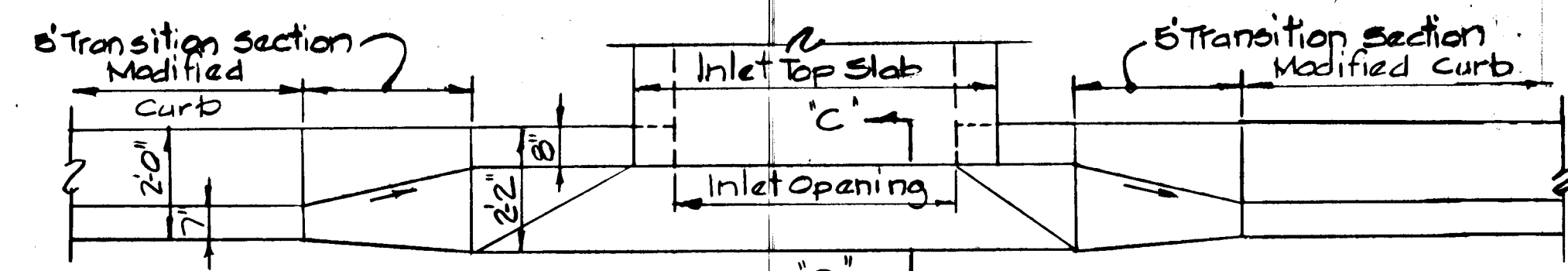


TYPICAL PAVING SECTION

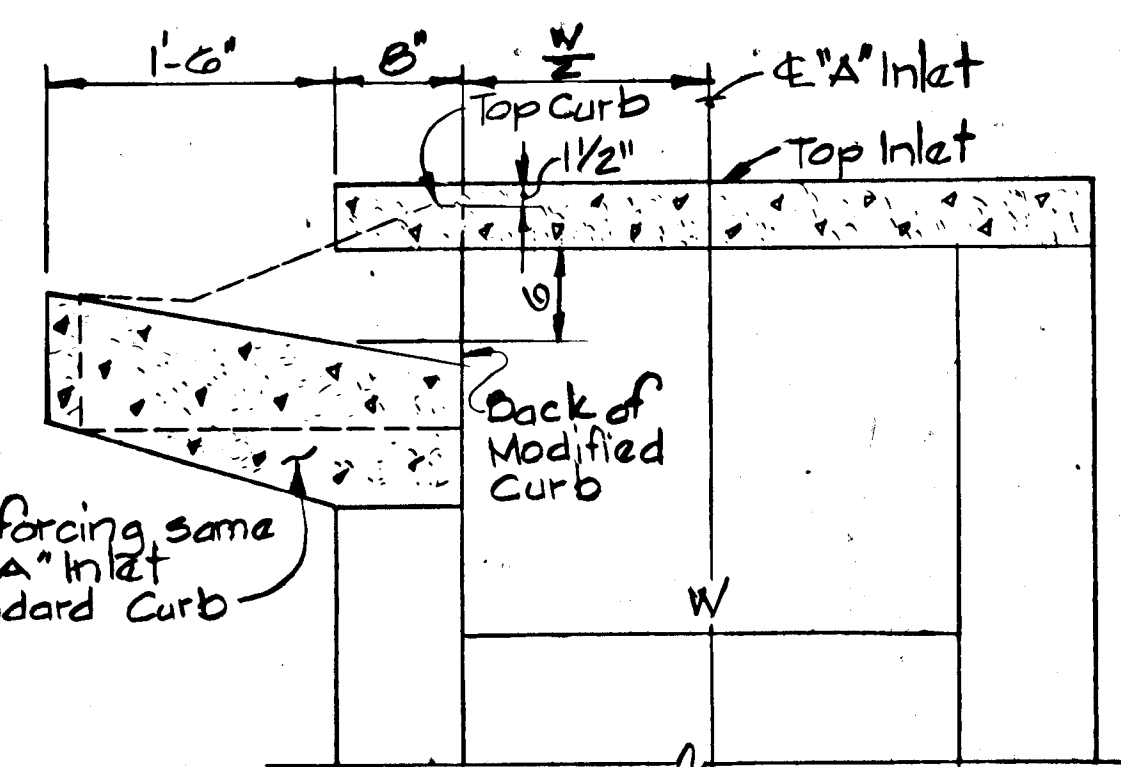
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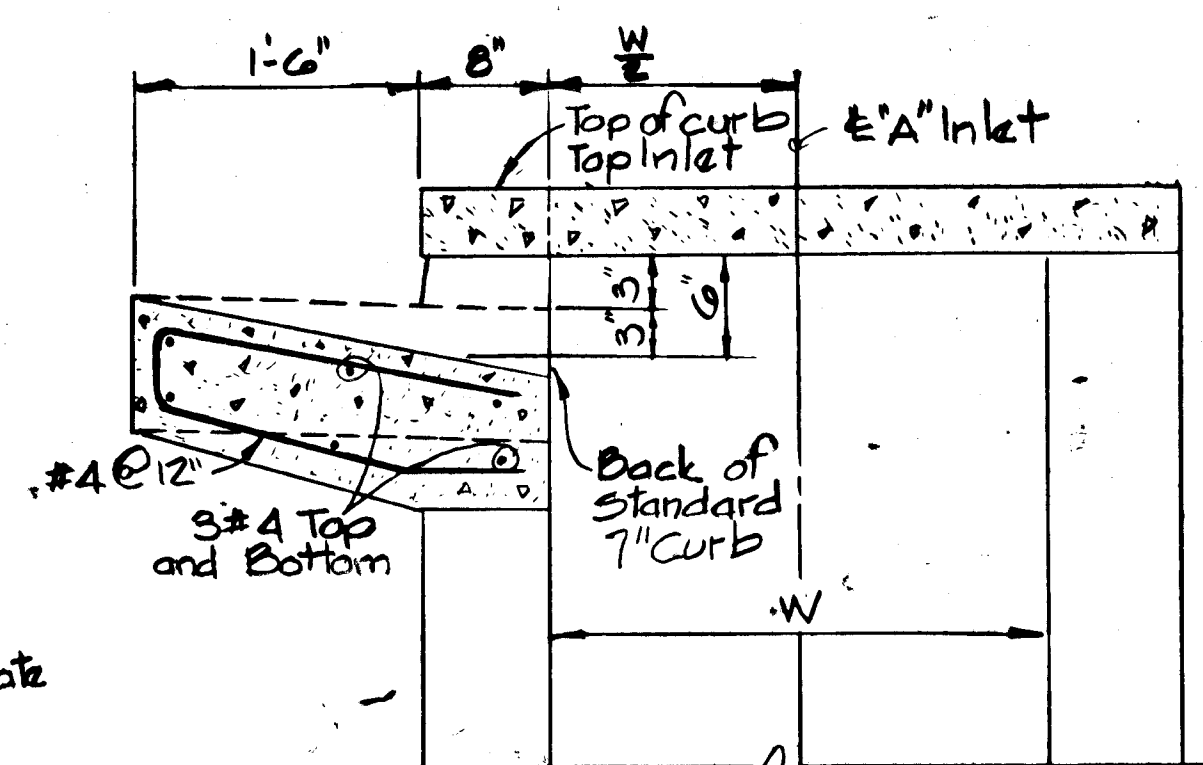
SECTION ALONG FLOW LINE
SUMPED "A" INLETS - STANDARD CURB



SECTION ALONG FLOW LINE
"A" INLETS - MODIFIED CURB

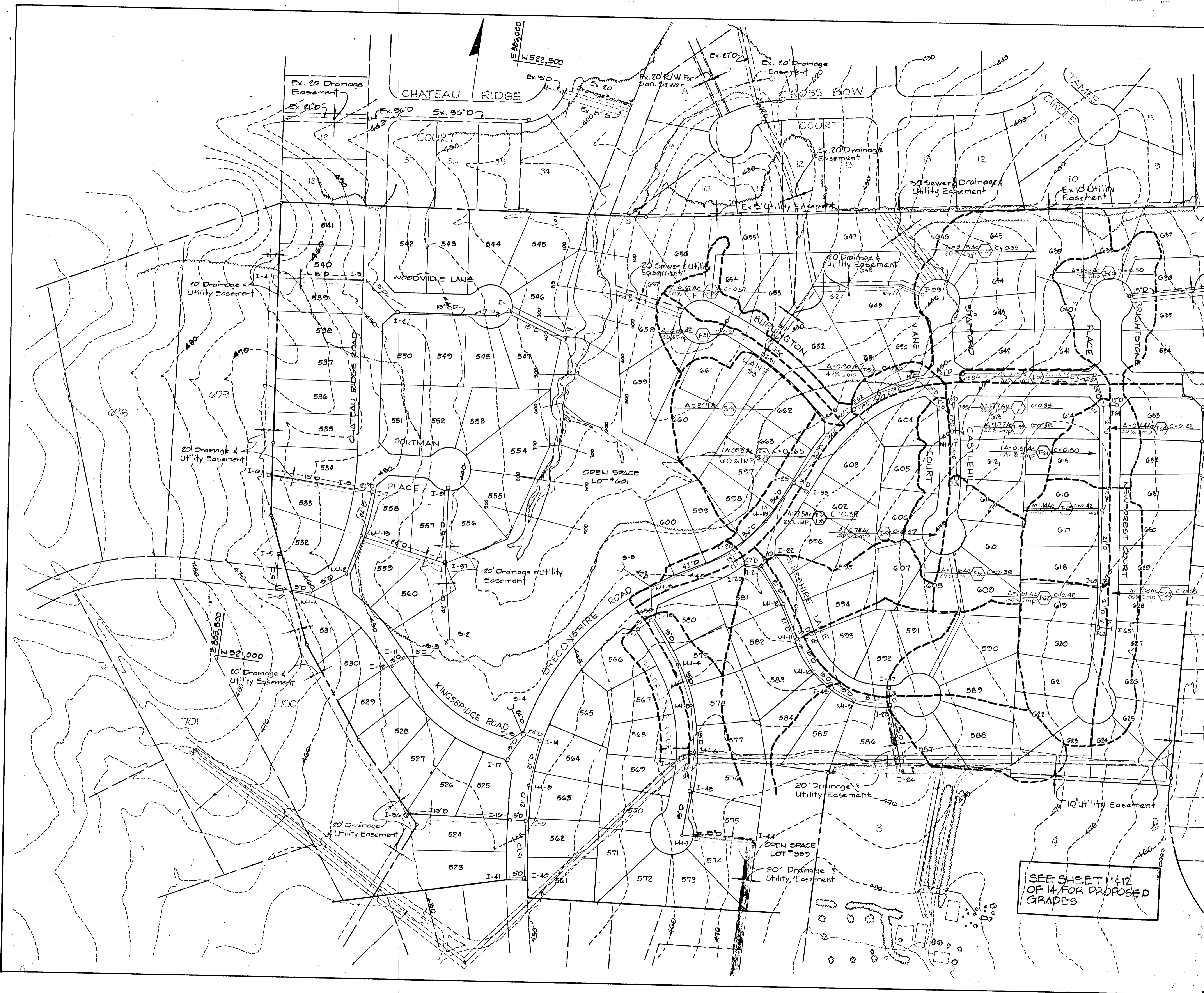


"A" INLET MODIFIED CURB



"A" INLET - STANDARD CURB

REV. DATE	REV. NO.	REVISION	DESCRIPTION
BURLEIGH MANOR 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
DEVELOPER ROSE / RICHMOND JOINT VENTURE			
PROJECT AREA: BURLEIGH MANOR SECTION 3 AREA 6			
PROJECT TITLE: ROADWAY AND STORMDRAIN DETAILS			
SCALE: AS SHOWN		DATE: 8/8/88	
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND			
Kenneth A. McCord KENNETH A. McCORD REGISTERED ENGINEER NO. 1974			



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

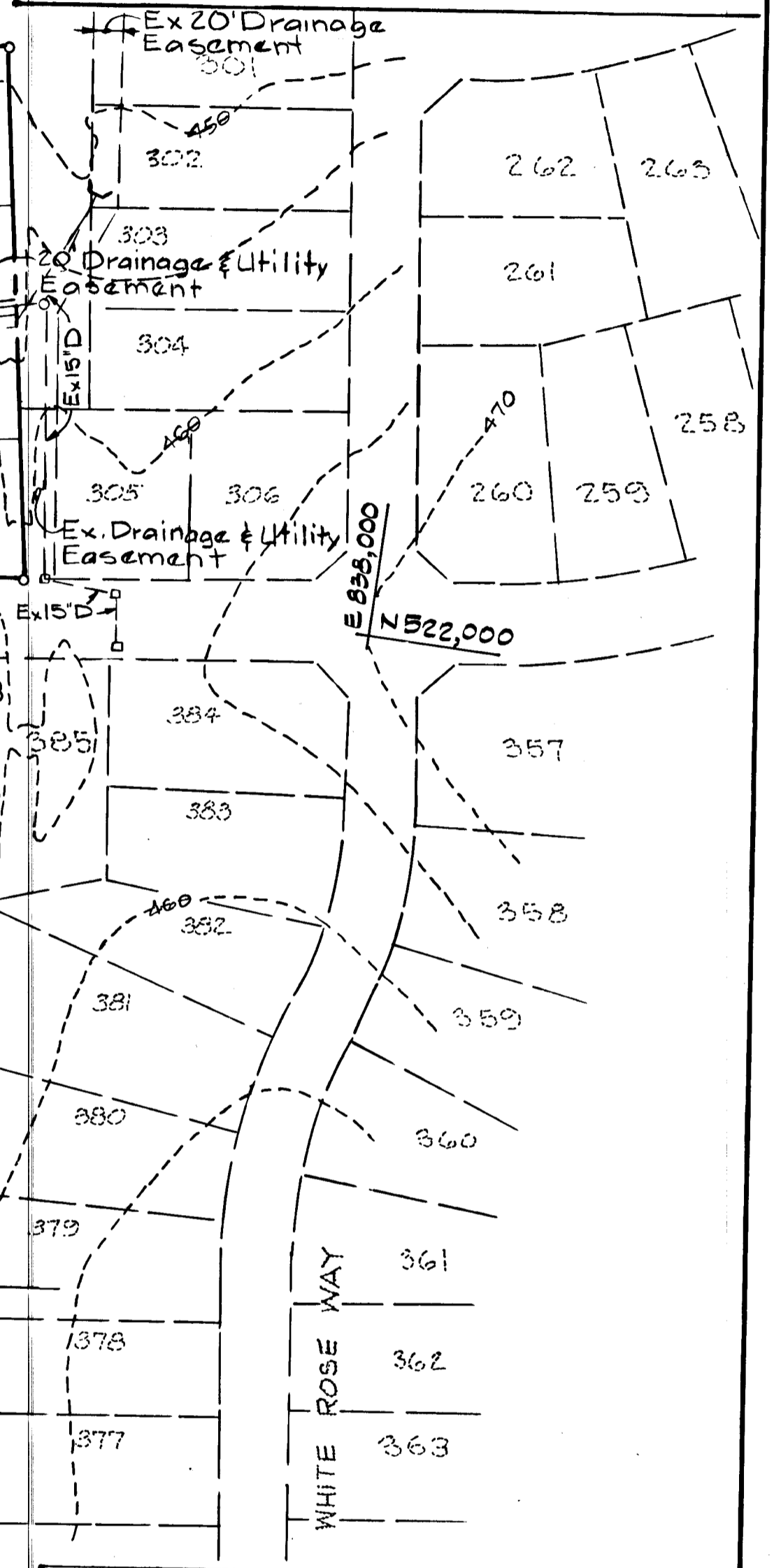
Donald J. ... 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

J.W. ... 2/17/89
 CHIEF, BUREAU OF HIGHWAYS DATE

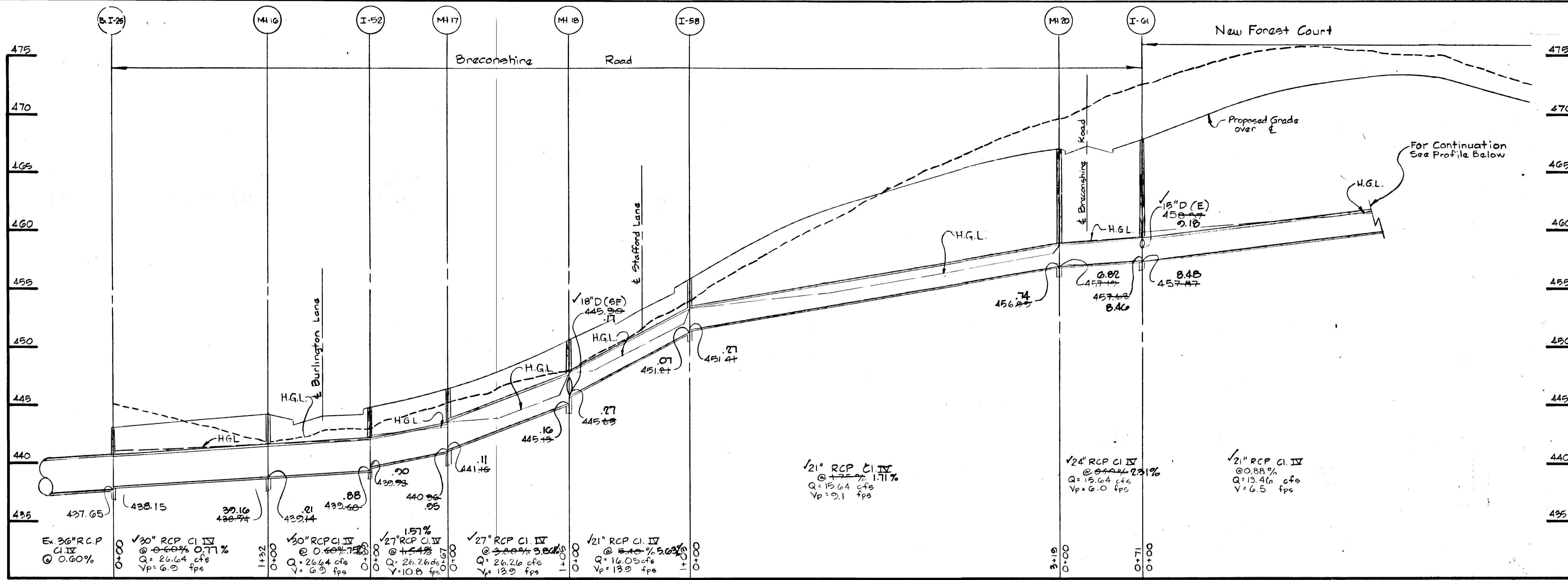
... .. 2/15/89
 CHIEF, BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING AND ZONING

... .. 2-27-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



REV. DATE	REV. NO.	REVISION DESCRIPTION
BURLEIGH MANOR 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
DEVELOPER ROSE/RICHMOND JOINT VENTURE		
PROJECT AREA BURLEIGH MANOR SECTION 3 AREA 6		
PROJECT TITLE: DRAINAGE AREA MAP		
SCALE: 1" = 100'		DATE: 8/8/88
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND		
<i>Kenneth A. McCord</i> KENNETH A. MCCORD REGISTERED ENGINEER NO. 1974		



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

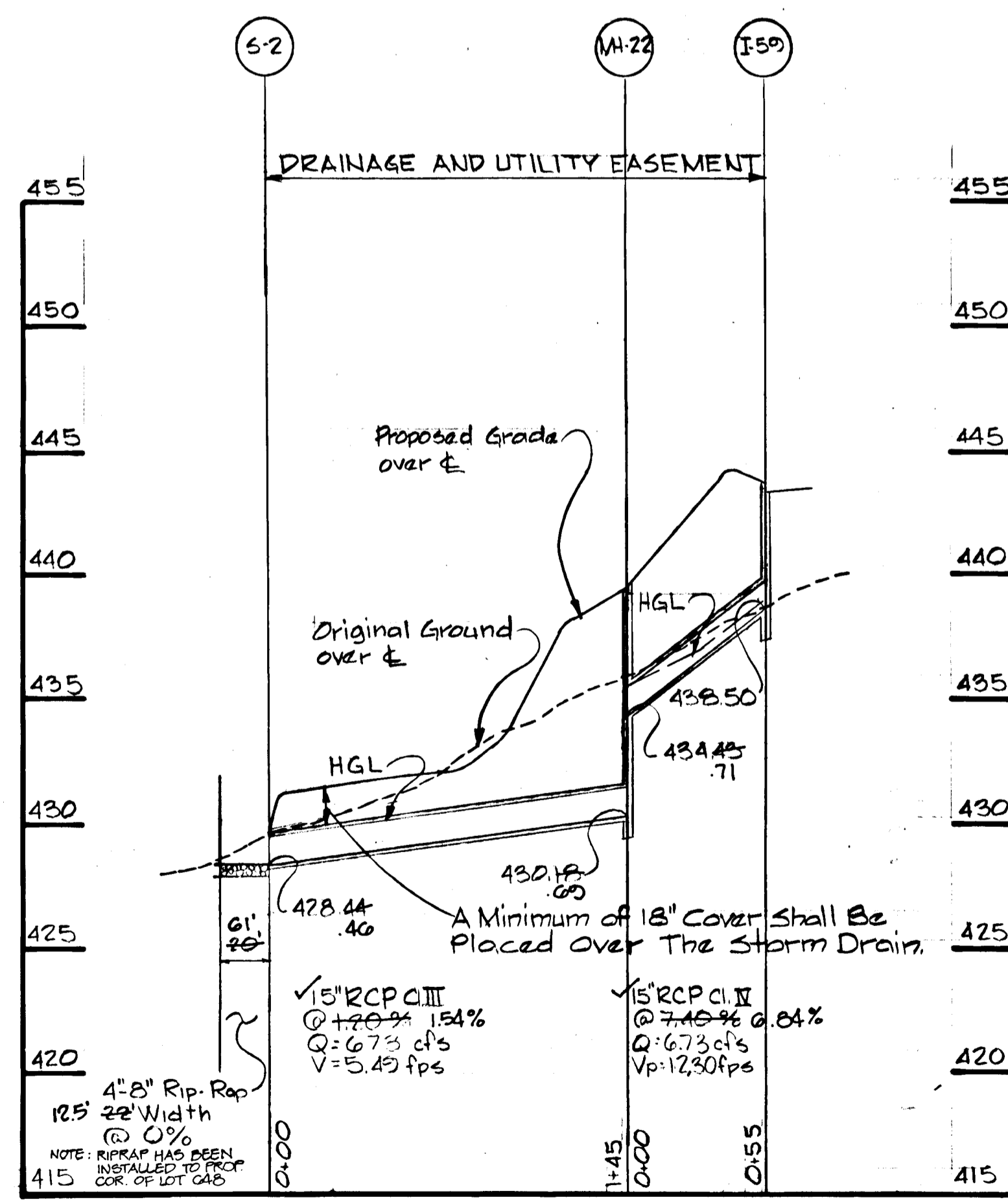
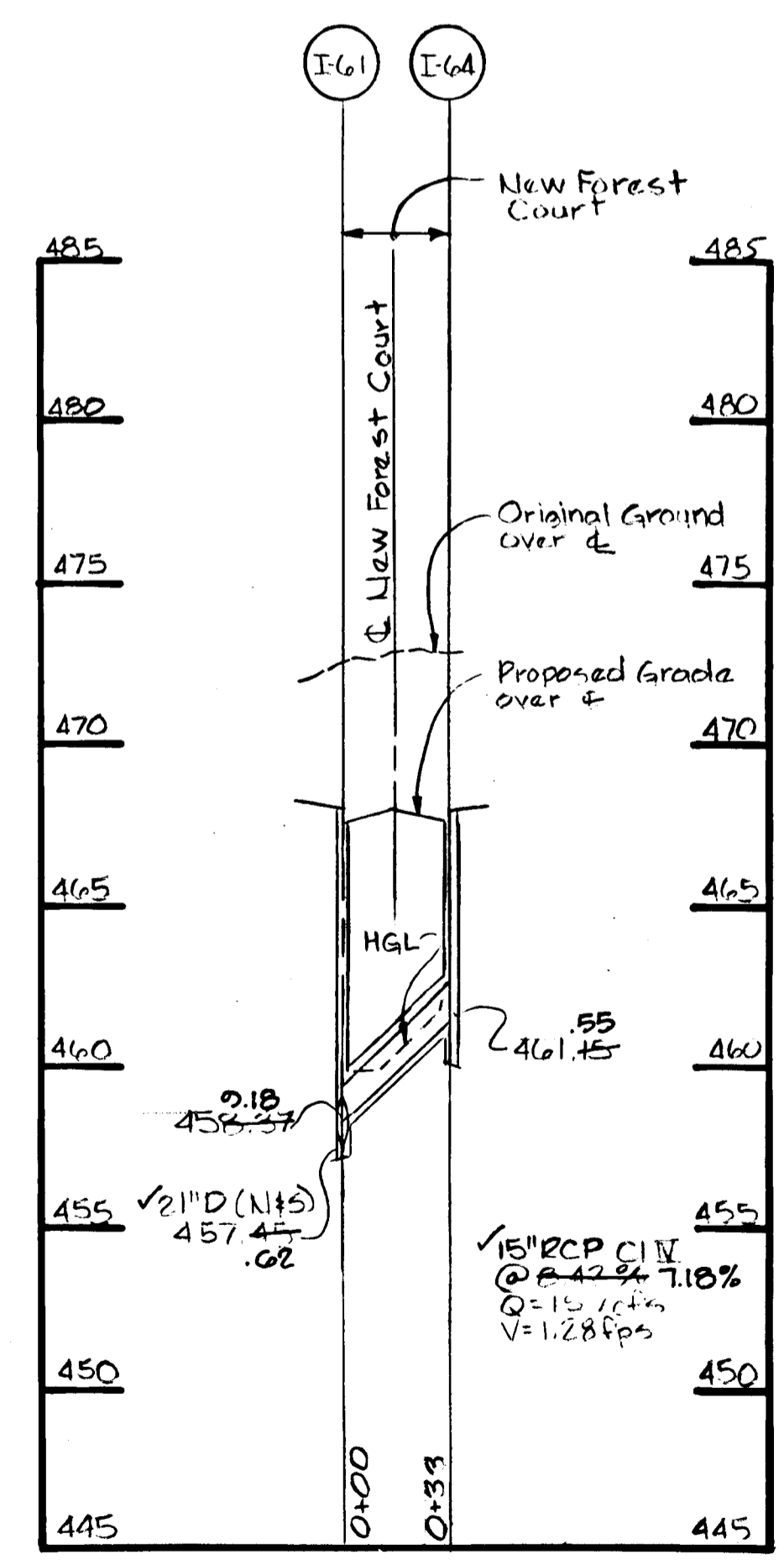
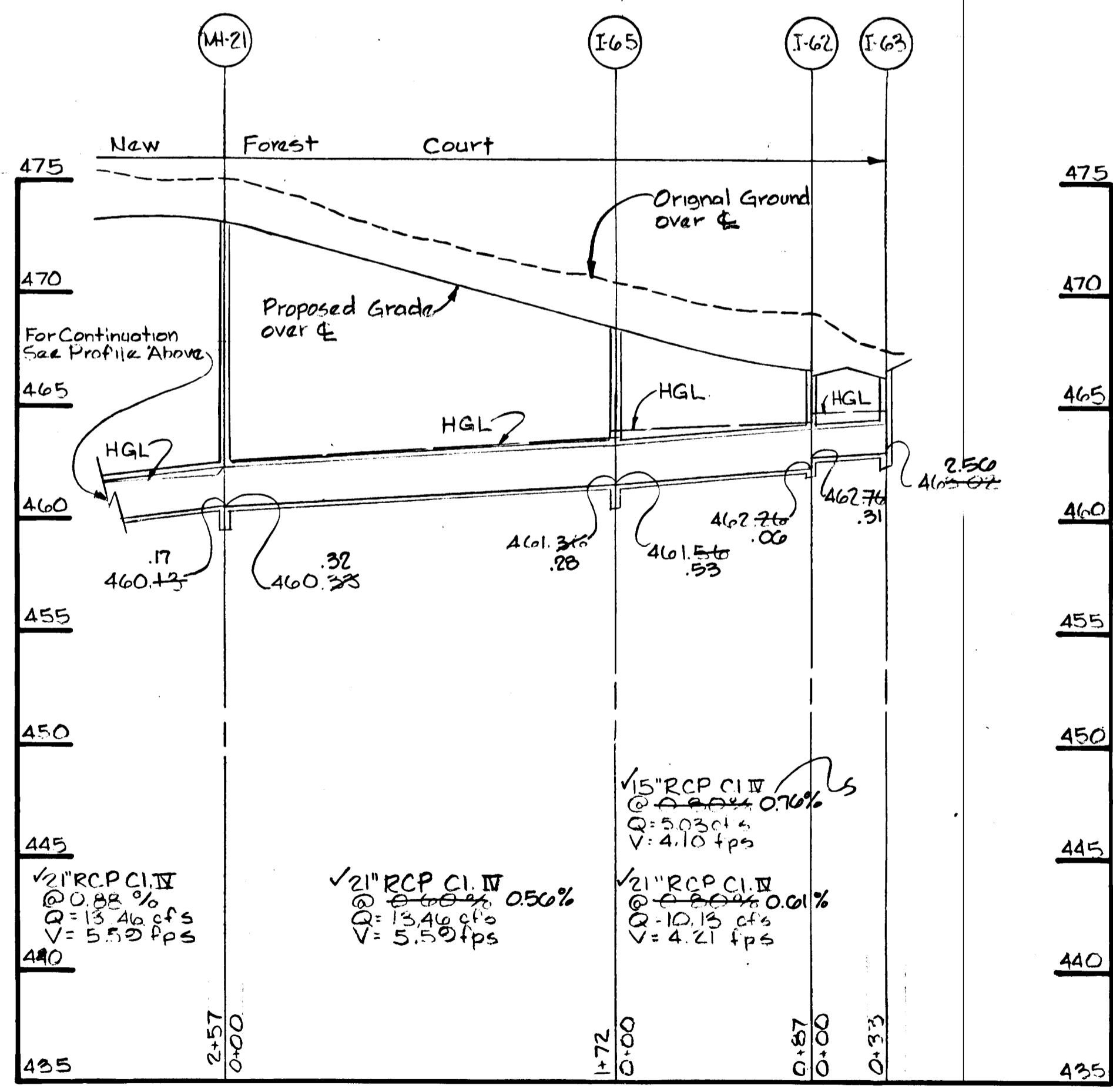
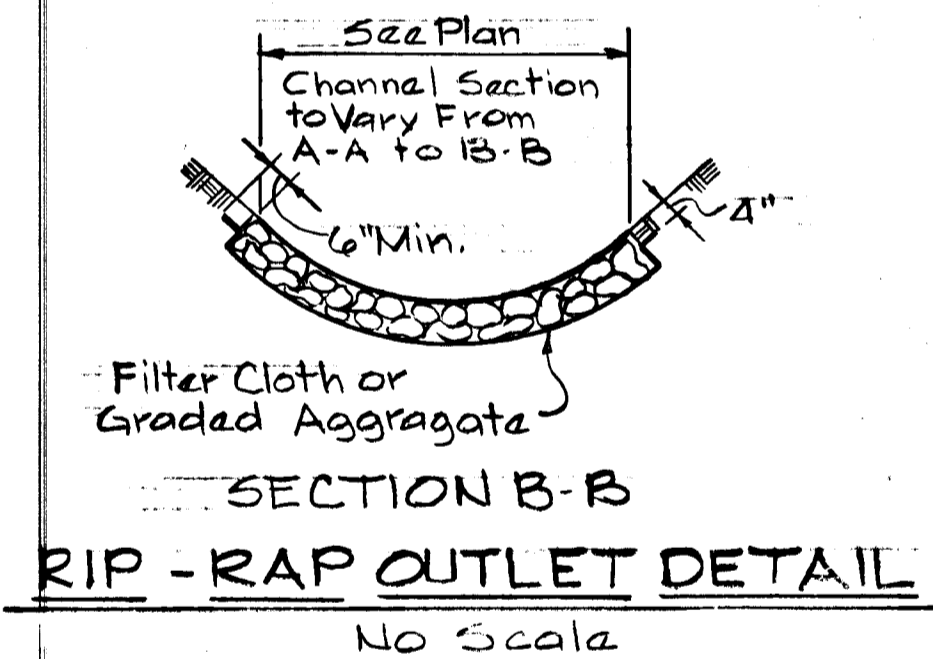
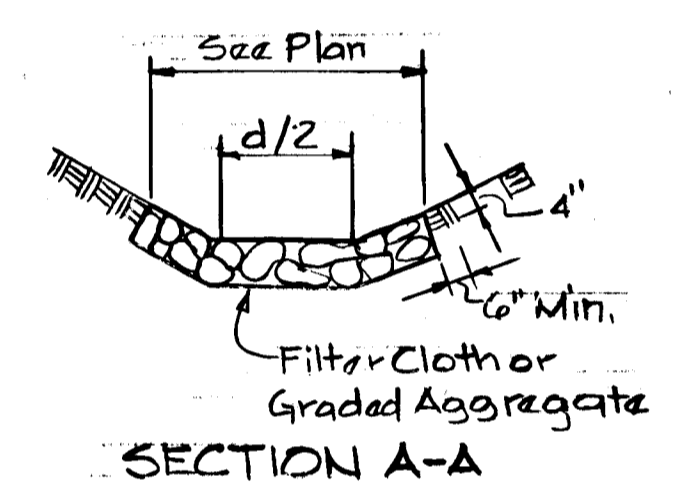
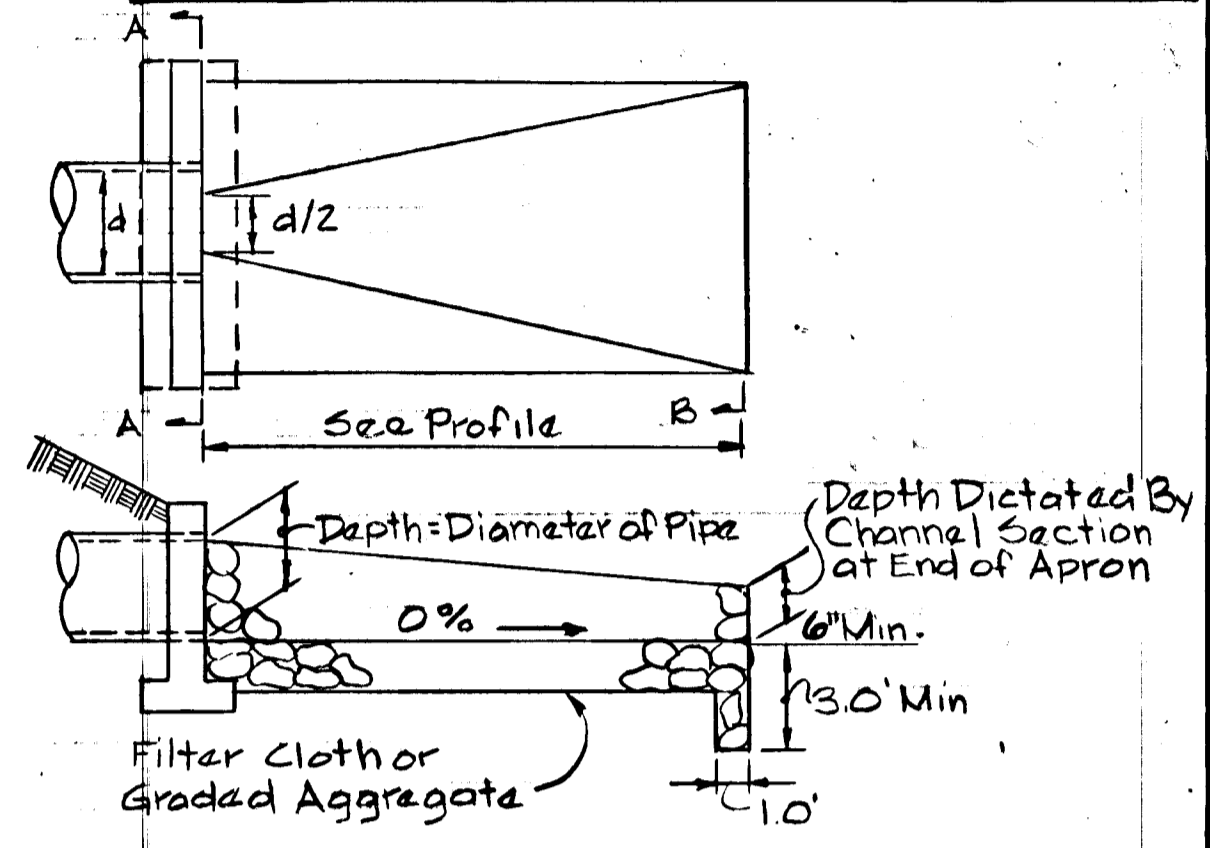
Donald E. Wilson 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

E. W. Wehland, P.E. 2/17/89
 CHIEF, BUREAU OF HIGHWAYS DATE

James E. Reed, P.E. 2/15/89
 CHIEF, BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING AND ZONING

Mark J. Tangle, P.E. 2-27-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT. DATE



STORM DRAIN PROFILE
 Scale: Hor. 1" = 50'
 Ver. 1" = 5'

REV. DATE	REV. NO.	REVISION DESCRIPTION
11-91		

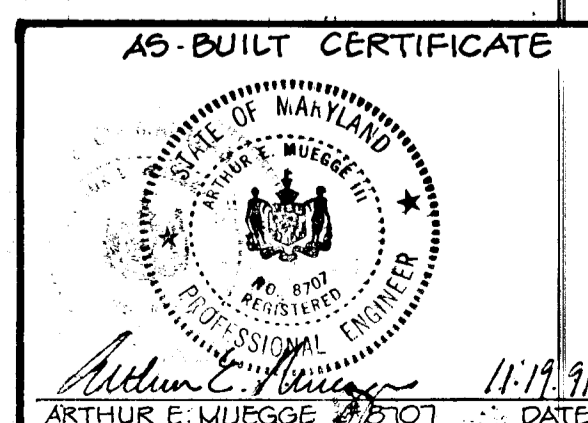
BURLEIGH MANOR
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DEVELOPER
 ROSE/RICHMOND JOINT VENTURE

PROJECT AREA:
BURLEIGH MANOR
 SECTION 3 AREA 6

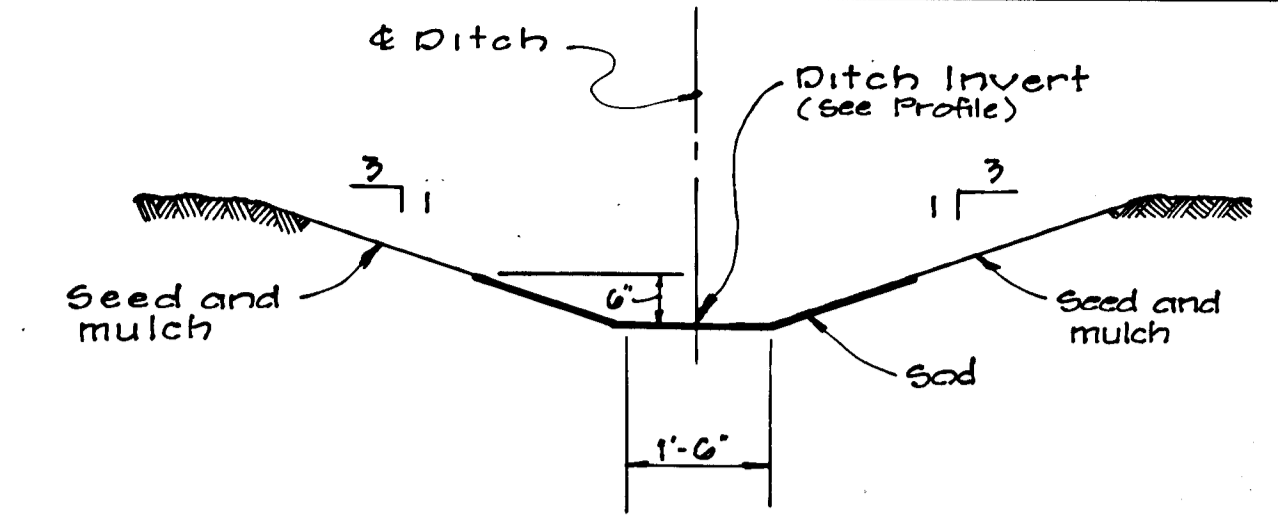
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STORM DRAIN PROFILES & DETAILS

SCALE: AS SHOWN DATE: 8/8/88

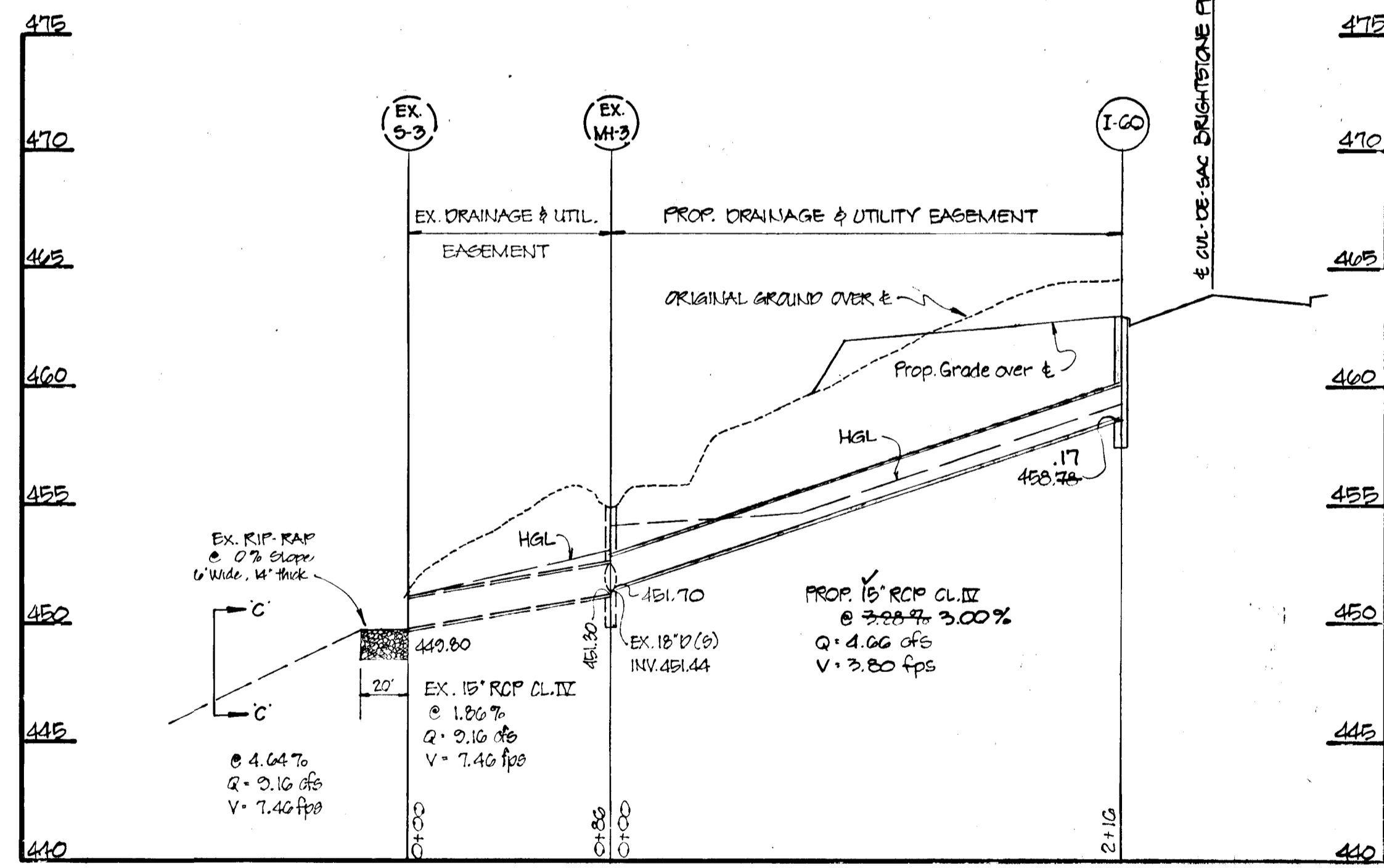
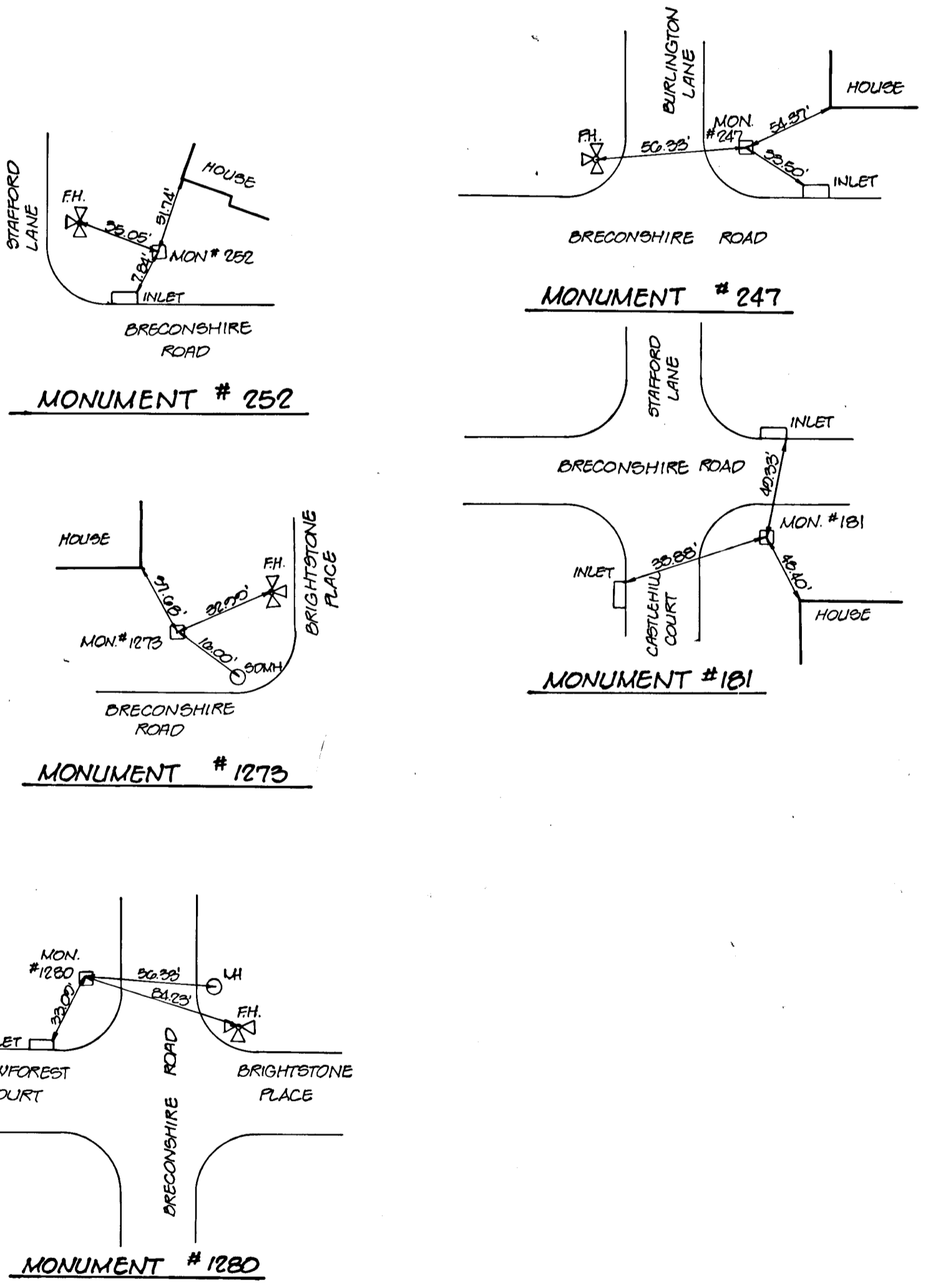
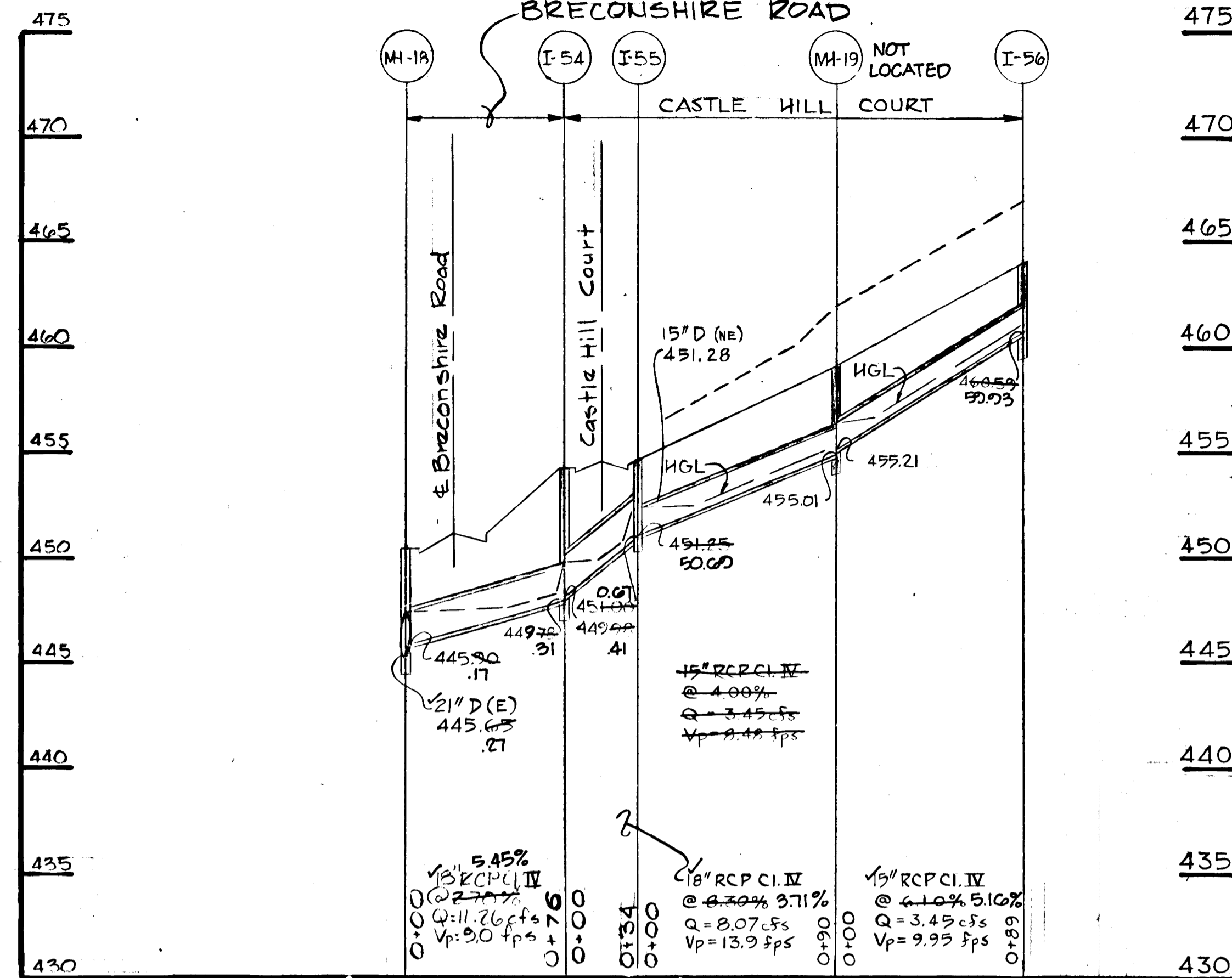
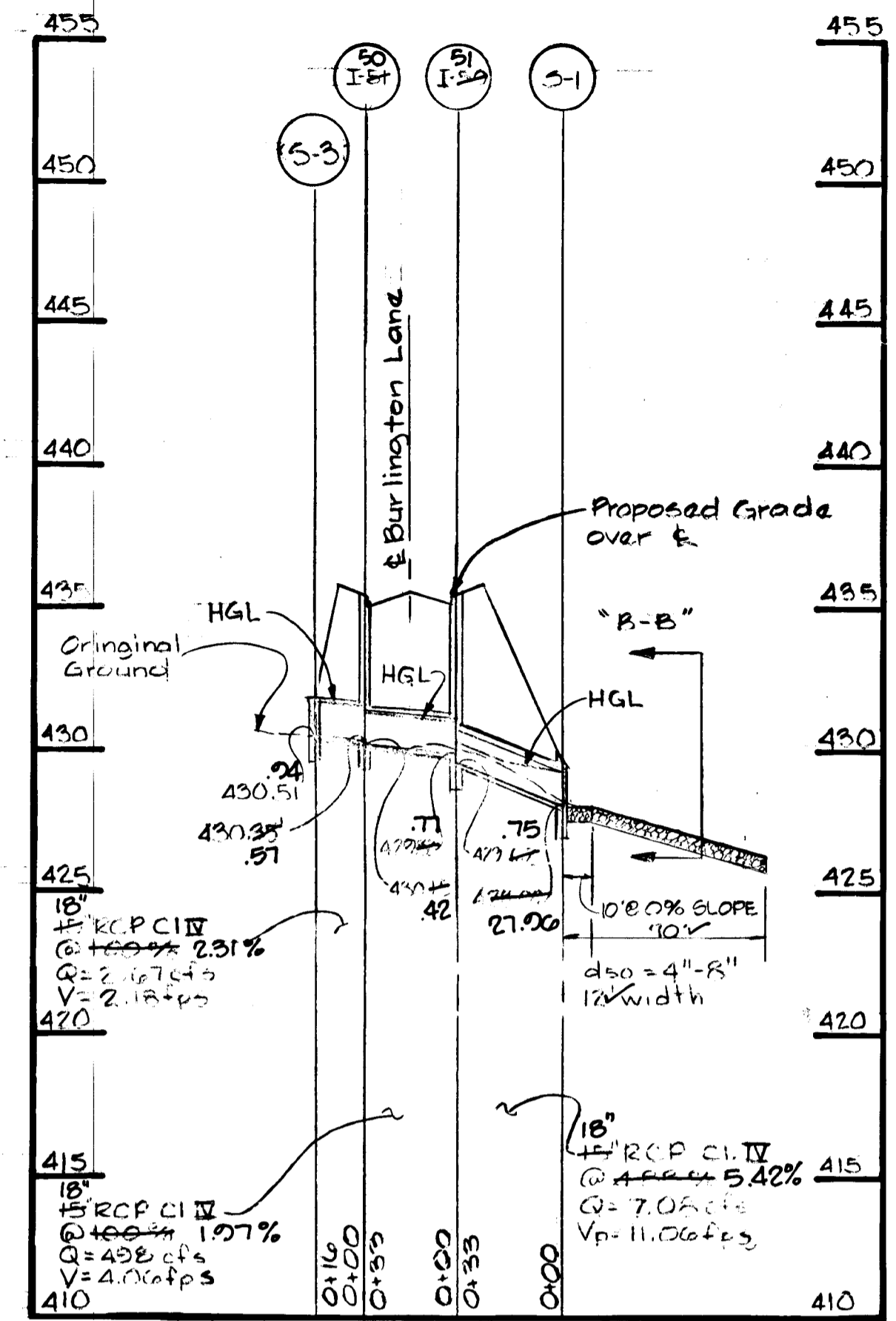


WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND

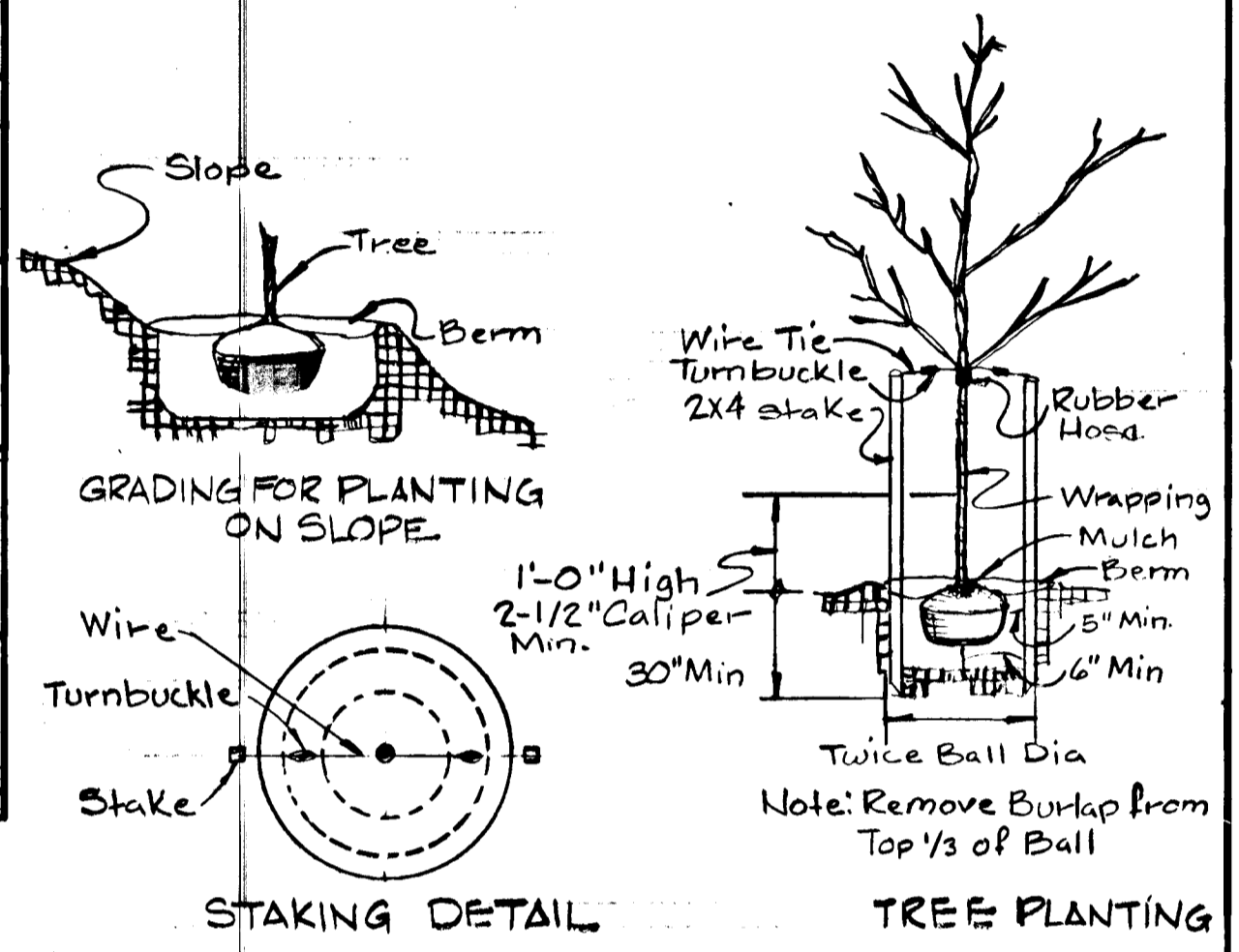
Kenneth A. McCord
 KENNETH A. MCCORD
 REGISTERED ENGINEER NO. 1974



TYPICAL DITCH SECTION (SECT. C-C)
NO SCALE



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE: 2/14/89
 CHIEF, BUREAU OF HIGHWAYS
 DATE: 2/11/89
 CHIEF, BUREAU OF ENGINEERING
 OFFICE OF PLANNING AND ZONING
 DATE: 2-22-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT.



PLANTING DETAIL
NOT TO SCALE

REV. DATE	REV. NO.	REVISION DESCRIPTION
11-91		

BURLEIGH MANOR
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEVELOPER
ROSE/RICHMOND JOINT VENTURE

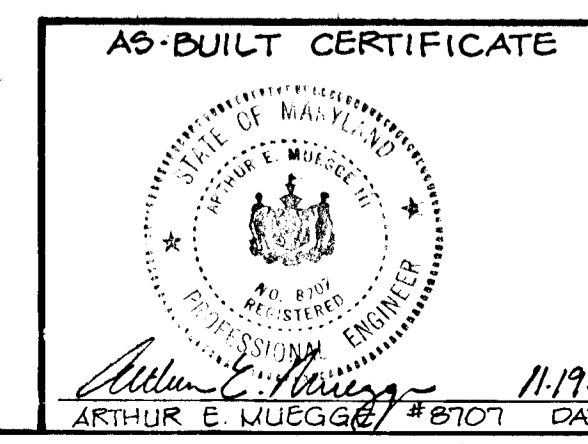
PROJECT AREA:
BURLEIGH MANOR
SECTION 3 AREA 6

PROJECT TITLE:
STORM DRAIN PROFILES AND DETAIL

SCALE: AS SHOWN DATE: 8/8/88

WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
BALTIMORE, MARYLAND

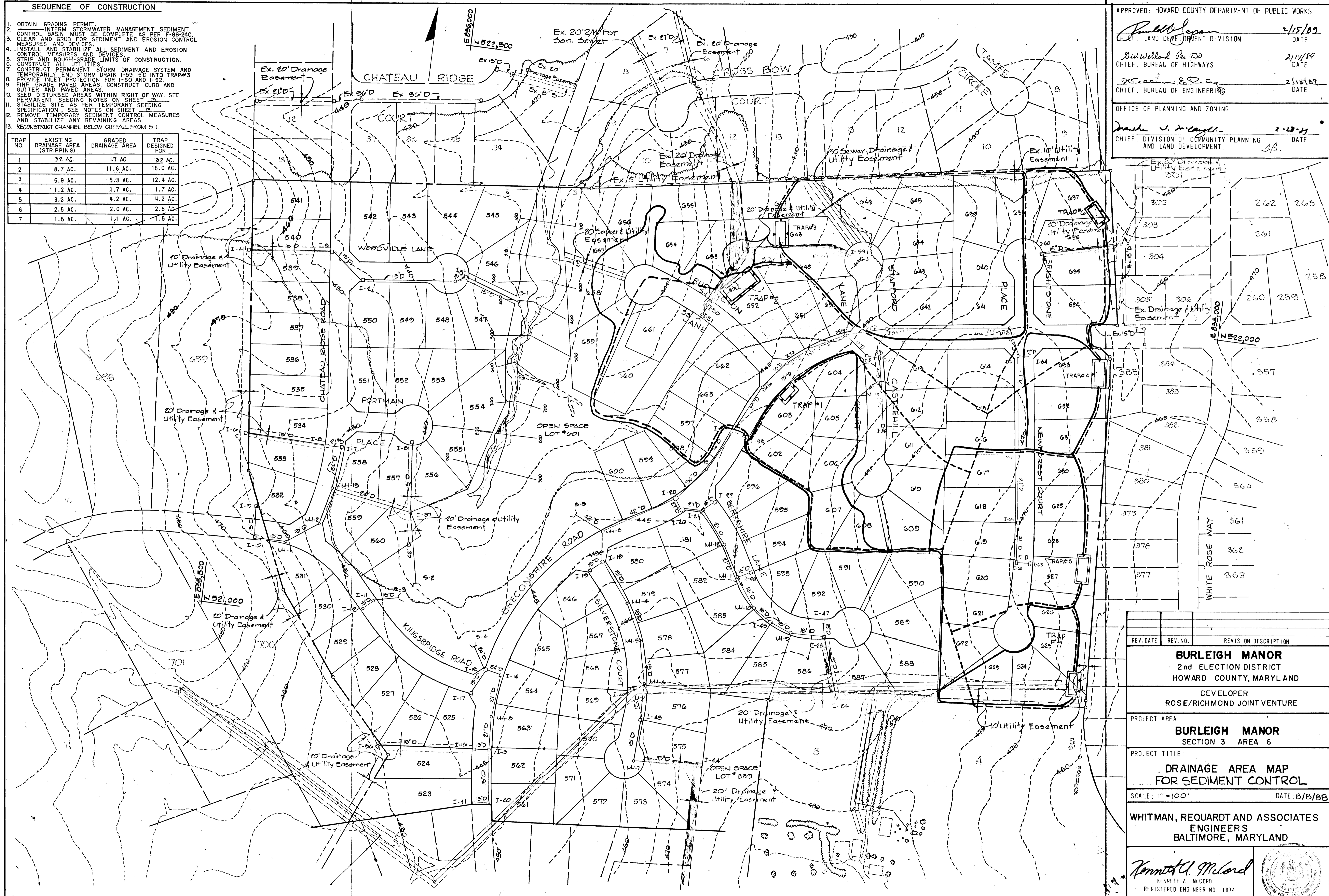
Kenneth A. McCord
KENNETH A. MCCORD
REGISTERED ENGINEER NO. 1974



SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INTERIM STORMWATER MANAGEMENT SEDIMENT CONTROL BASIN MUST BE COMPLETE AS PER F-88-240.
3. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES.
4. INSTALL AND STABILIZE ALL SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES.
5. STRIP AND ROUGH-GRADE LIMITS OF CONSTRUCTION.
6. CONSTRUCT ALL UTILITIES.
7. CONSTRUCT PERMANENT STORM DRAINAGE SYSTEM AND TEMPORARILY END STORM DRAIN I-59 INTO TRAP#3.
8. PROVIDE INLET PROTECTION FOR I-60 AND I-62.
9. FINE GRADE PAVED AREAS, CONSTRUCT CURB AND GUTTER AND PAVED AREAS.
10. SEED DISTURBED AREAS WITHIN RIGHT OF WAY. SEE PERMANENT SEEDING NOTES ON SHEET 12.
11. STABILIZE SITE AS PER TEMPORARY SEEDING SPECIFICATION. SEE NOTES ON SHEET 12.
12. REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZE ANY REMAINING AREAS.
13. RECONSTRUCT CHANNEL BELOW OUTFALL FROM S-1.

TRAP NO.	EXISTING DRAINAGE AREA (STRIPPING)	GRADED DRAINAGE AREA	TRAP DESIGNED FOR
1	32 AC.	17 AC.	32 AC.
2	8.7 AC.	11.6 AC.	15.0 AC.
3	5.9 AC.	5.3 AC.	12.4 AC.
4	1.2 AC.	1.7 AC.	1.7 AC.
5	3.3 AC.	4.2 AC.	4.2 AC.
6	2.5 AC.	2.0 AC.	2.5 AC.
7	1.5 AC.	1.1 AC.	1.5 AC.



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul D. Seaman 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

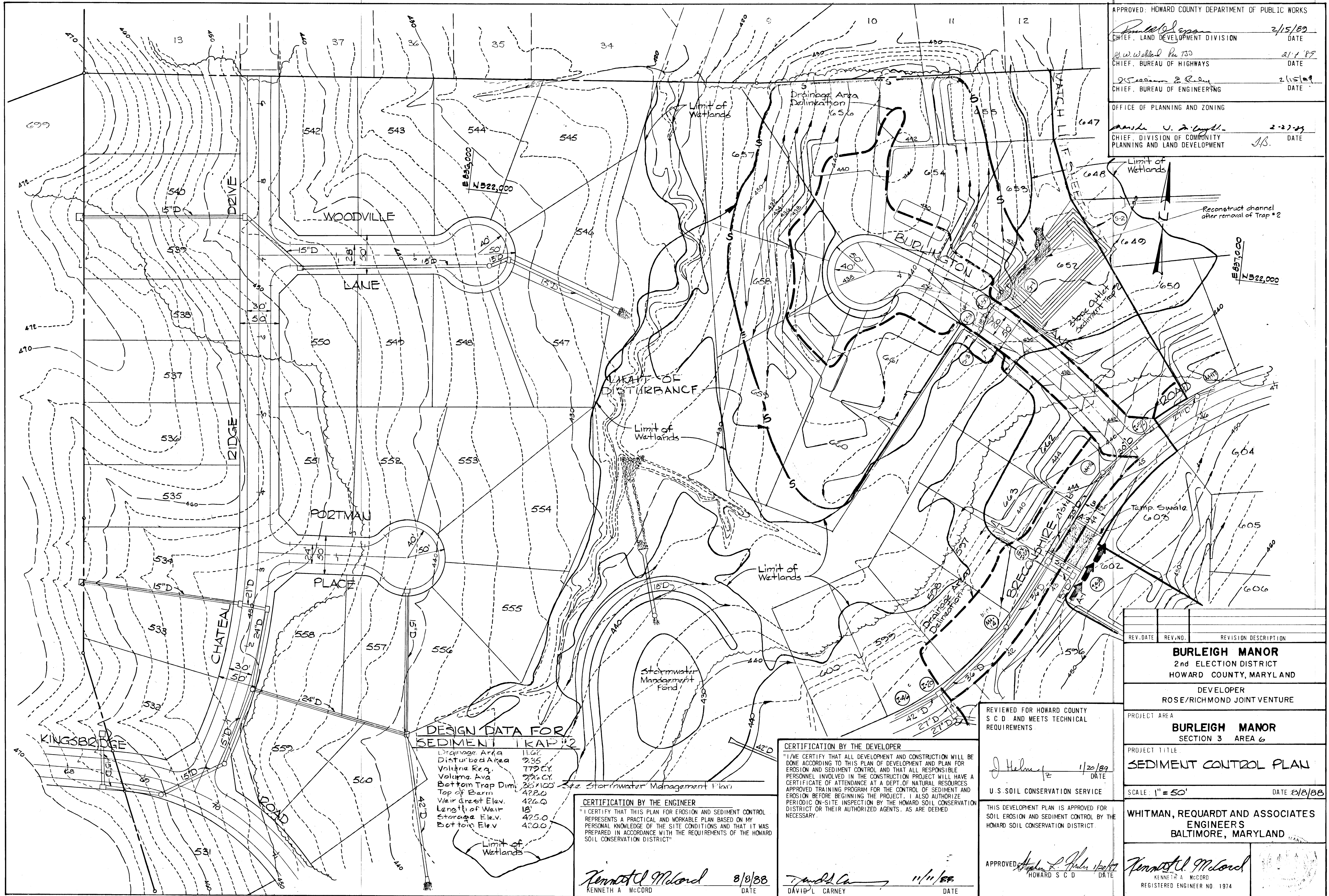
Bruce Welland Pa. D.D. 2/11/89
 CHIEF, BUREAU OF HIGHWAYS DATE

James E. Deary 2/15/89
 CHIEF, BUREAU OF ENGINEERING DATE

OFFICE OF PLANNING AND ZONING

James J. McCord 2-29-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT. DATE

REV. DATE	REV. NO.	REVISION DESCRIPTION
BURLEIGH MANOR 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
DEVELOPER ROSE/RICHMOND JOINT VENTURE		
PROJECT AREA BURLEIGH MANOR SECTION 3 AREA 6		
PROJECT TITLE DRAINAGE AREA MAP FOR SEDIMENT CONTROL		
SCALE: 1" = 100'		DATE: 8/8/88
WHITMAN, REQUARD AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND		
<i>Kenneth A. McCord</i> KENNETH A. MCCORD REGISTERED ENGINEER NO. 1974		



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Kenneth A. McCord 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE
 J. W. Walleh, P.E. 2/17/89
 CHIEF, BUREAU OF HIGHWAYS DATE
 J. S. Seaman & Co. 2/15/89
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
 Mark U. D. Light 2-23-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

DESIGN DATA FOR SEDIMENT TRAP #2

Drainage Area	11.62
Disturbed Area	2.35
Volume Req.	772 CY
Volume Ave.	77% CY
Bottom Trap Dim.	26' x 100'
Top of Berm	422.0
Weir Crest Elev.	426.0
Length of Weir	18'
Storage Elev.	425.0
Bottom Elev.	420.0

CERTIFICATION BY THE ENGINEER
 "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"

Kenneth A. McCord 8/3/88
 KENNETH A. MCCORD DATE

CERTIFICATION BY THE DEVELOPER
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

David L. Carney 11/11/88
 DAVID L. CARNEY DATE

REVIEWED FOR HOWARD COUNTY S C D AND MEETS TECHNICAL REQUIREMENTS
 J. Helmer 1/20/89
 U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: Stephen L. Rubin 1/20/89
 HOWARD S C D DATE

REV. DATE	REV. NO.	REVISION DESCRIPTION

BURLEIGH MANOR
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DEVELOPER
 ROSE/RICHMOND JOINT VENTURE

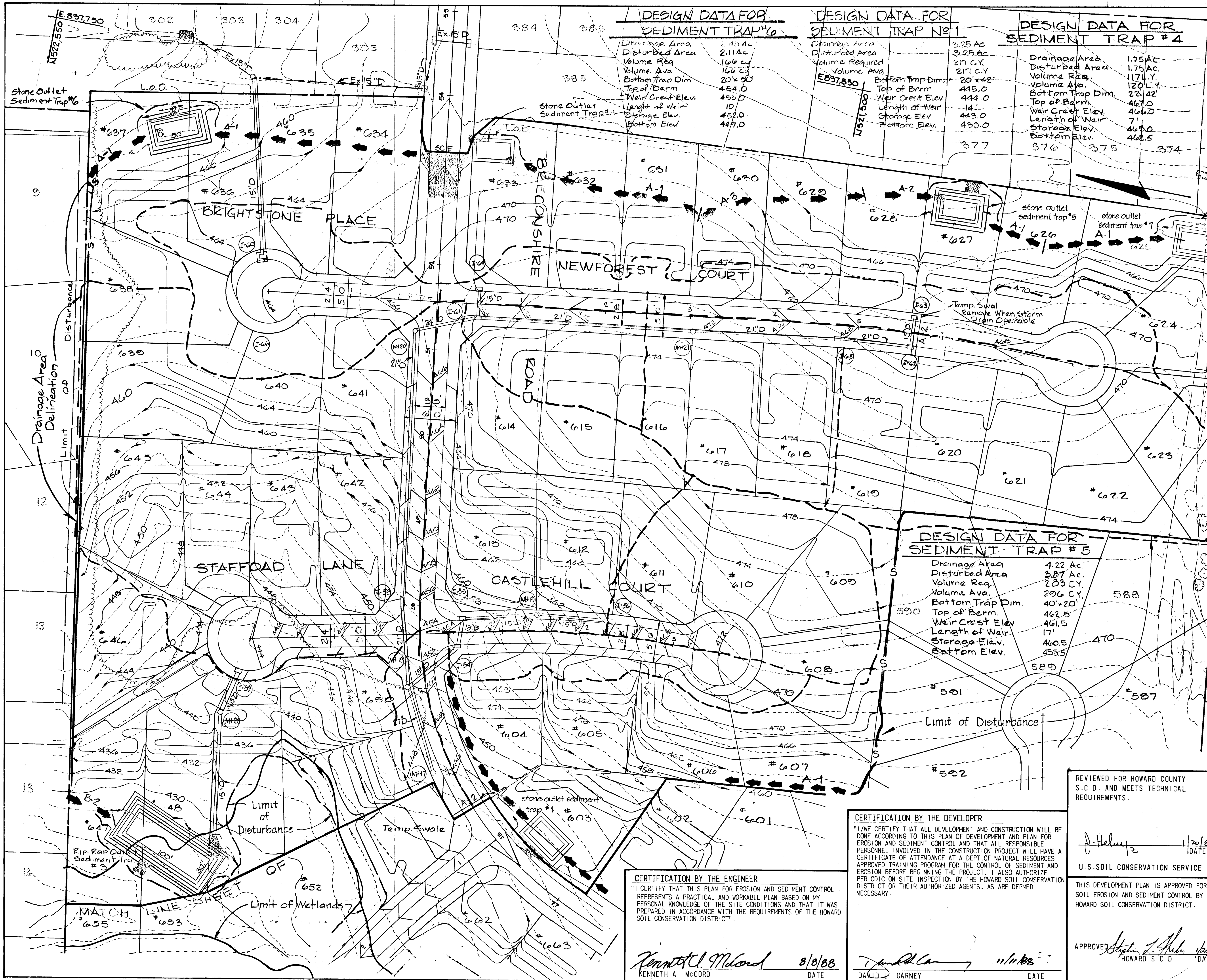
PROJECT AREA
BURLEIGH MANOR
 SECTION 3 AREA 6

PROJECT TITLE
SEDIMENT CONTROL PLAN

SCALE: 1" = 50' DATE 8/8/88

WHITMAN, REQUARDT AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND

Kenneth A. McCord
 KENNETH A. MCCORD
 REGISTERED ENGINEER NO. 1974



DESIGN DATA FOR SEDIMENT TRAP #6

Drainage Area	2.43 Ac
Disturbed Area	2.11 Ac
Volume Req	166 cy
Volume Ava	166 cy
Bottom Trap Dim	20' x 40'
Top of Berm	454.0
Weir Crest Elev	453.0
Length of Weir	10
Storage Elev	452.0
Bottom Elev	449.0

DESIGN DATA FOR SEDIMENT TRAP #1

Drainage Area	3.25 Ac
Disturbed Area	3.25 Ac
Volume Req	211 CY
Volume Ava	211 CY
Bottom Trap Dim	20' x 42'
Top of Berm	445.0
Weir Crest Elev	444.0
Length of Weir	14
Storage Elev	443.0
Bottom Elev	430.0

DESIGN DATA FOR SEDIMENT TRAP #4

Drainage Area	1.75 Ac
Disturbed Area	1.75 Ac
Volume Req	117 CY
Volume Ava	120 CY
Bottom Trap Dim	22' x 42'
Top of Berm	467.0
Weir Crest Elev	466.0
Length of Weir	7'
Storage Elev	465.0
Bottom Elev	462.5

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul J. Helms 2/15/89
 CHIEF, LAND DEVELOPMENT DIVISION DATE

G.W. Weller 2/14/89
 CHIEF, BUREAU OF HIGHWAYS DATE

W. S. ... 2/15/89
 CHIEF, BUREAU OF ENGINEERS DATE

OFFICE OF PLANNING AND ZONING

Frank J. ... 2-27-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

DESIGN DATA FOR SEDIMENT TRAP #7

Drainage Area	1.54 Ac
Disturbed Area	1.21 Ac
Volume Req	103 CY
Volume Ava	107 CY
Bottom Trap Dim	20' x 40'
Top of Berm	462.5
Weir Crest Elev	461.5
Length of Weir	6'
Storage Elev	460.5
Bottom Elev	450.0

DESIGN DATA FOR SEDIMENT TRAP #3

Drainage Area	5.05 Ac
Disturbed Area	5.35 Ac
Volume Req	339 CY
Volume Ava	333 CY
Bottom Trap Dim	30' x 100'
Top of Berm	427.0
Weir Crest Elev	425.0
Length of Weir	14'
Storage Elev	424.0
Bottom Elev	419.0

DESIGN DATA FOR SEDIMENT TRAP #5

Drainage Area	4.22 Ac
Disturbed Area	3.87 Ac
Volume Req	283 CY
Volume Ava	296 CY
Bottom Trap Dim	40' x 20'
Top of Berm	462.5
Weir Crest Elev	461.5
Length of Weir	17'
Storage Elev	460.5
Bottom Elev	455.5

REV. DATE	REV. NO.	REVISION DESCRIPTION

BURLEIGH MANOR
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DEVELOPER
 ROSE/RICHMOND JOINT VENTURE

PROJECT AREA
BURLEIGH MANOR
 SECTION 3 AREA 6

PROJECT TITLE
SEDIMENT CONTROL PLAN

SCALE: 1"=50' DATE 8/8/88

WHITMAN, REQUARD AND ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND

CERTIFICATION BY THE ENGINEER
 "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"

Kenneth A. McCord 8/8/88
 KENNETH A. MCCORD DATE

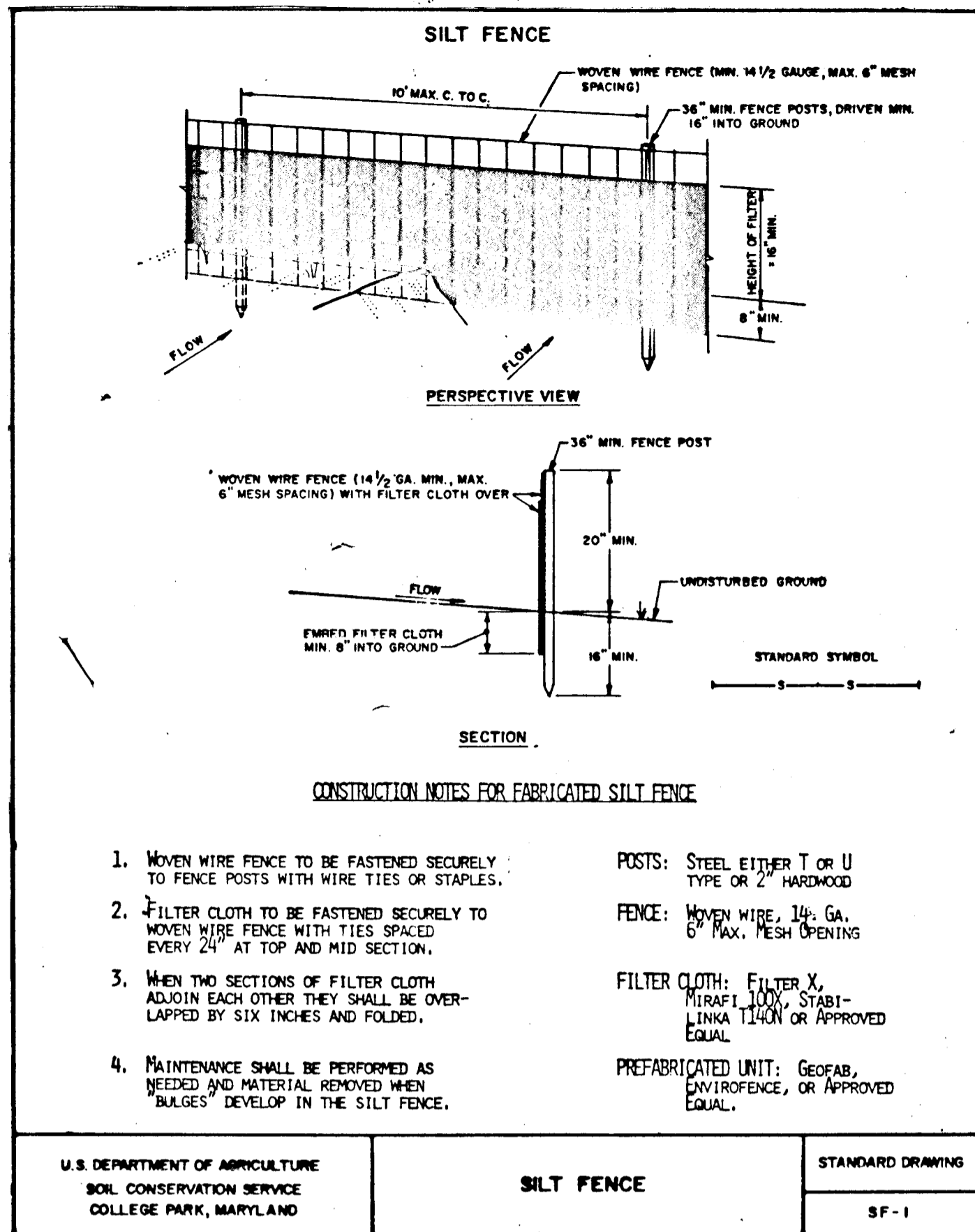
CERTIFICATION BY THE DEVELOPER
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

David L. Carney 11/16/88
 DAVID L. CARNEY DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
J. Helms 1/20/89
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Howard S.C.D. DATE

Kenneth A. McCord
 KENNETH A. MCCORD
 REGISTERED ENGINEER NO. 1974



PERMANENT SEEDING NOTES

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

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

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

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. 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 sq ft) 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 15 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 unrotted 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 reseeding.

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.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

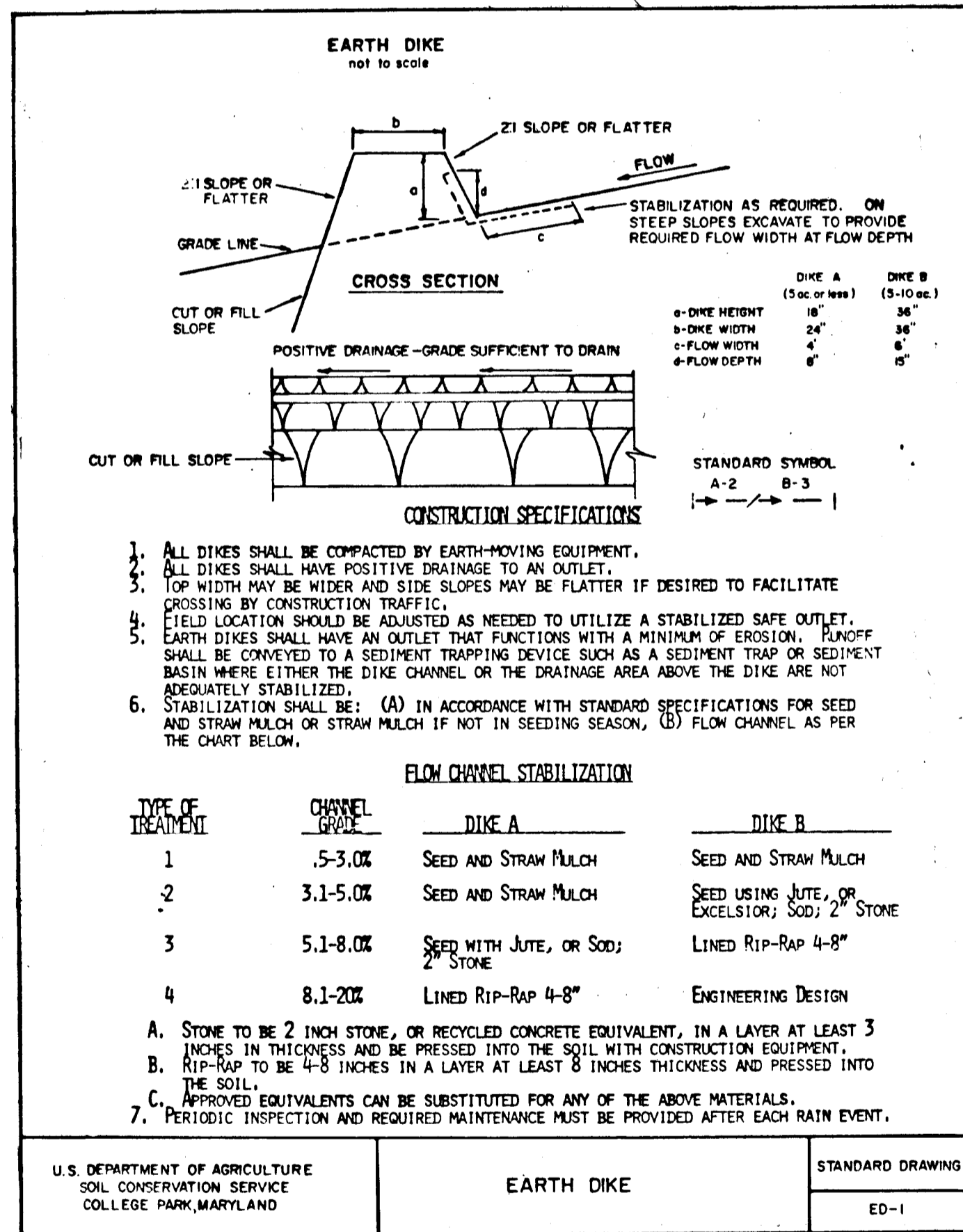
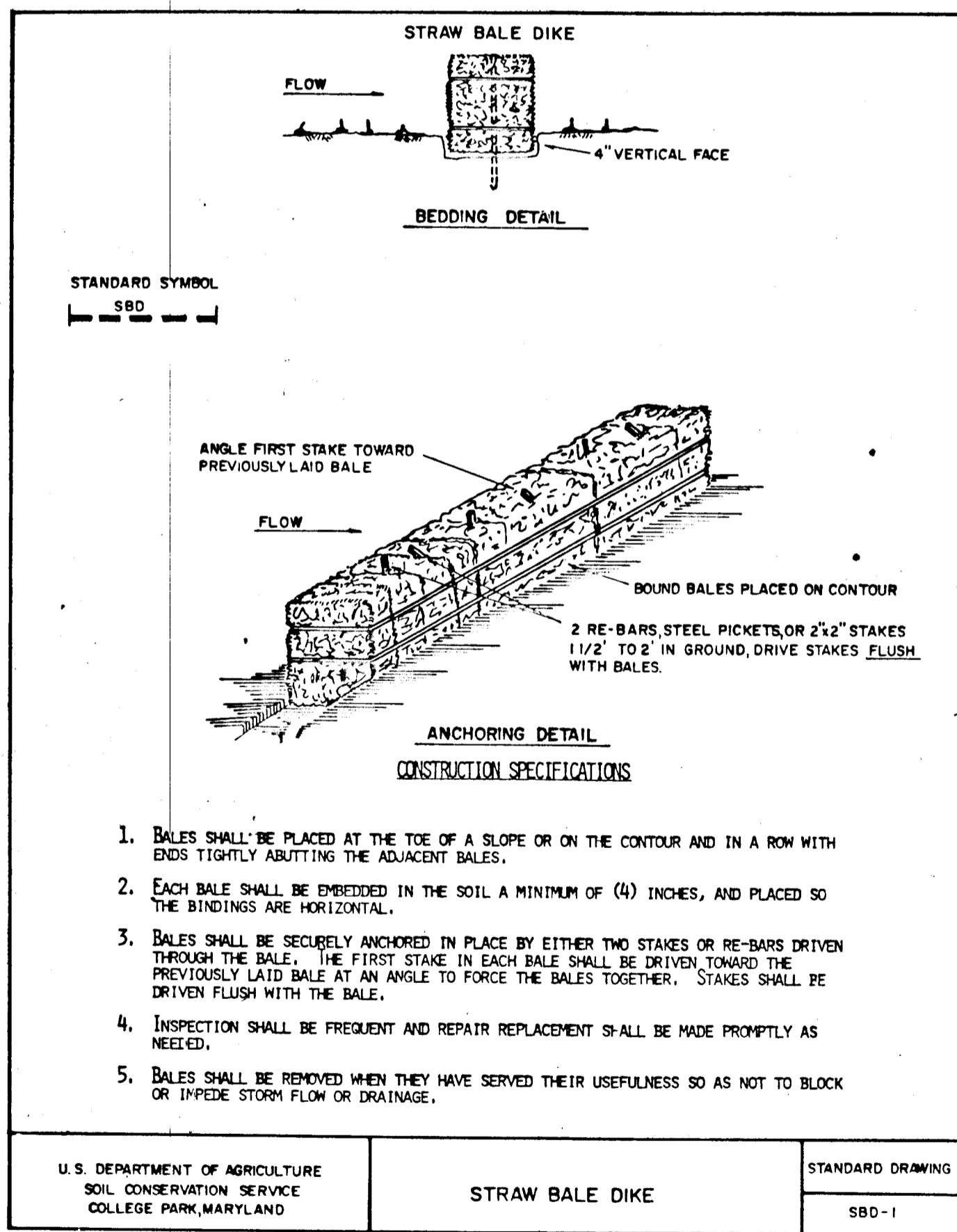
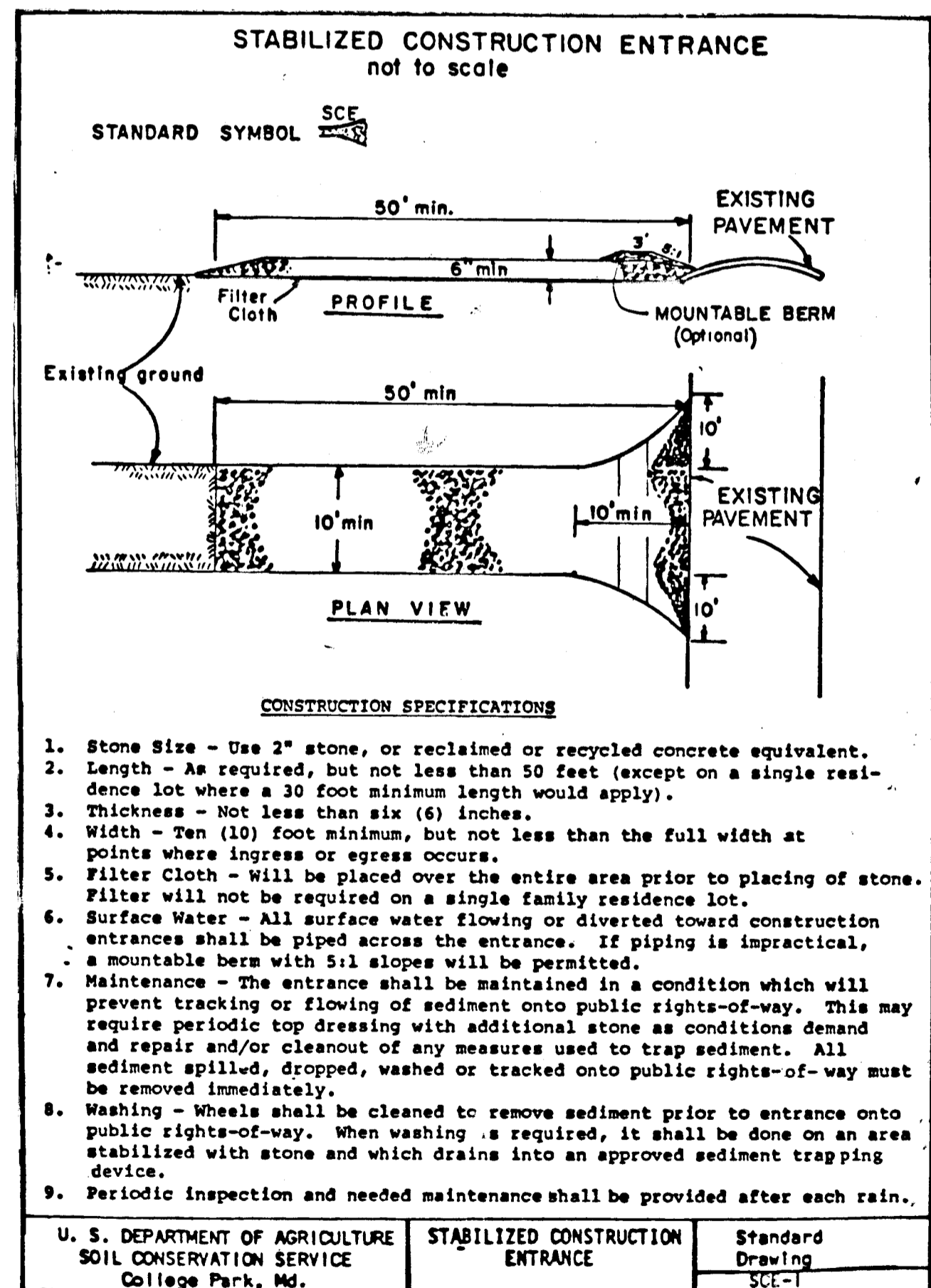
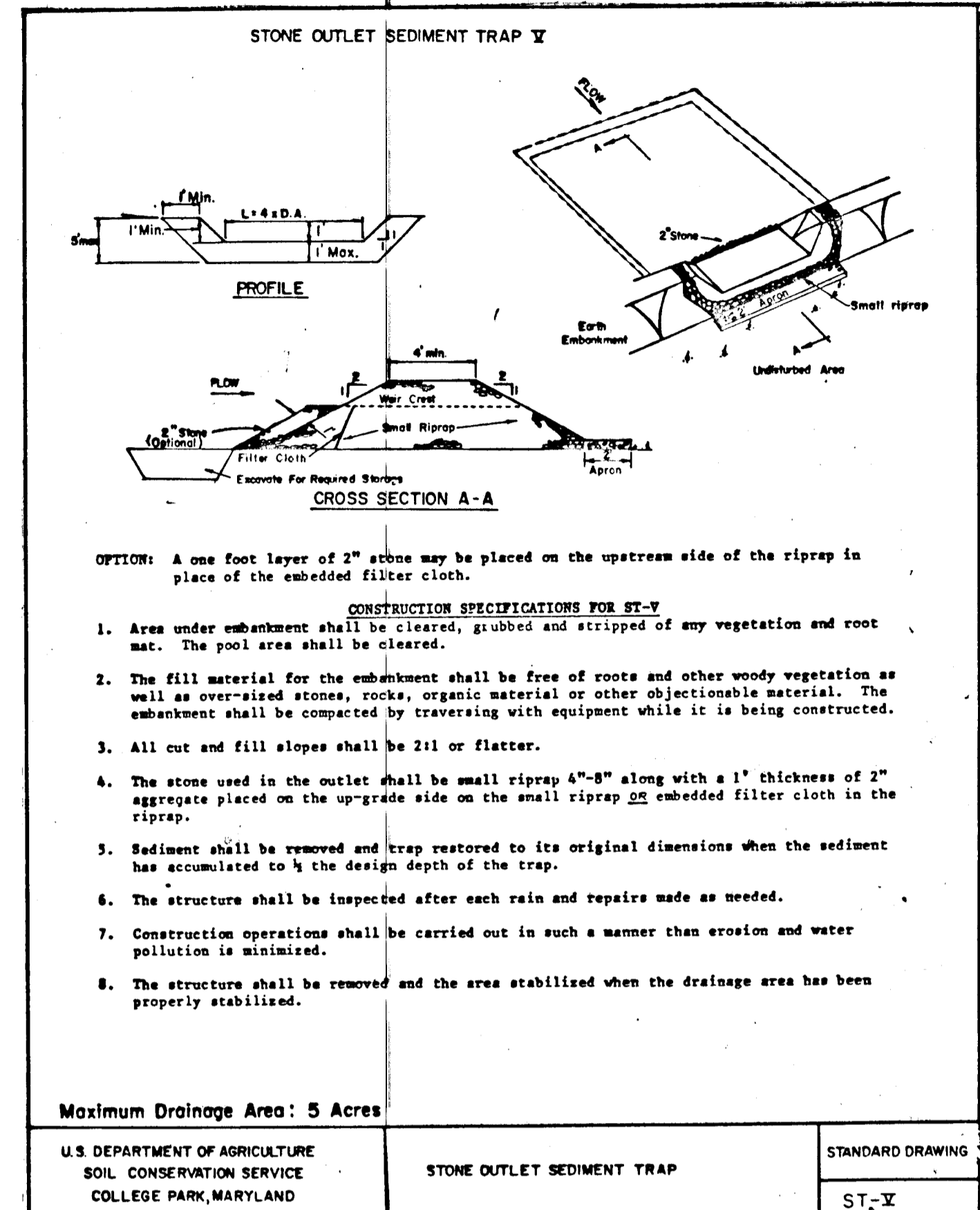
Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect 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 unrotted 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.

SEDIMENT CONTROL NOTES

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (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 24.7 Acres
Area Disturbed 20.1 Acres
Area to be roofed or paved 7.0 Acres
Area to be vegetatively stabilized 13.1 Acres
Total Cut 307 Cu. yds.
Total Fill 45.4 Cu. yds.
Offsite 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.



CERTIFICATION BY THE ENGINEER

"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."

Kenneth A. McCord 8/8/88
KENNETH A. MCCORD DATE

CERTIFICATION BY THE DEVELOPER

"I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZED PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

J. Helms 1/20/89
U.S. SOIL CONSERVATION SERVICE DATE

Kenneth A. McCord 11/11/88
HOWARD S.C.D. DATE

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

APPROVED: *John L. Hahn* 1/20/89
HOWARD S.C.D. DATE

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

REV. DATE	REV. NO.	REVISION	DESCRIPTION

BURLEIGH MANOR
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEVELOPER
ROSE / RICHMOND JOINT VENTURE

PROJECT AREA
BURLEIGH MANOR SECTION 3 AREA 6

PROJECT TITLE
SEDIMENT CONTROL DETAILS

SCALE: NO SCALE DATE: 8/8/88

WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
BALTIMORE, MARYLAND

Kenneth A. McCord
KENNETH A. MCCORD
REGISTERED ENGINEER NO. 1974

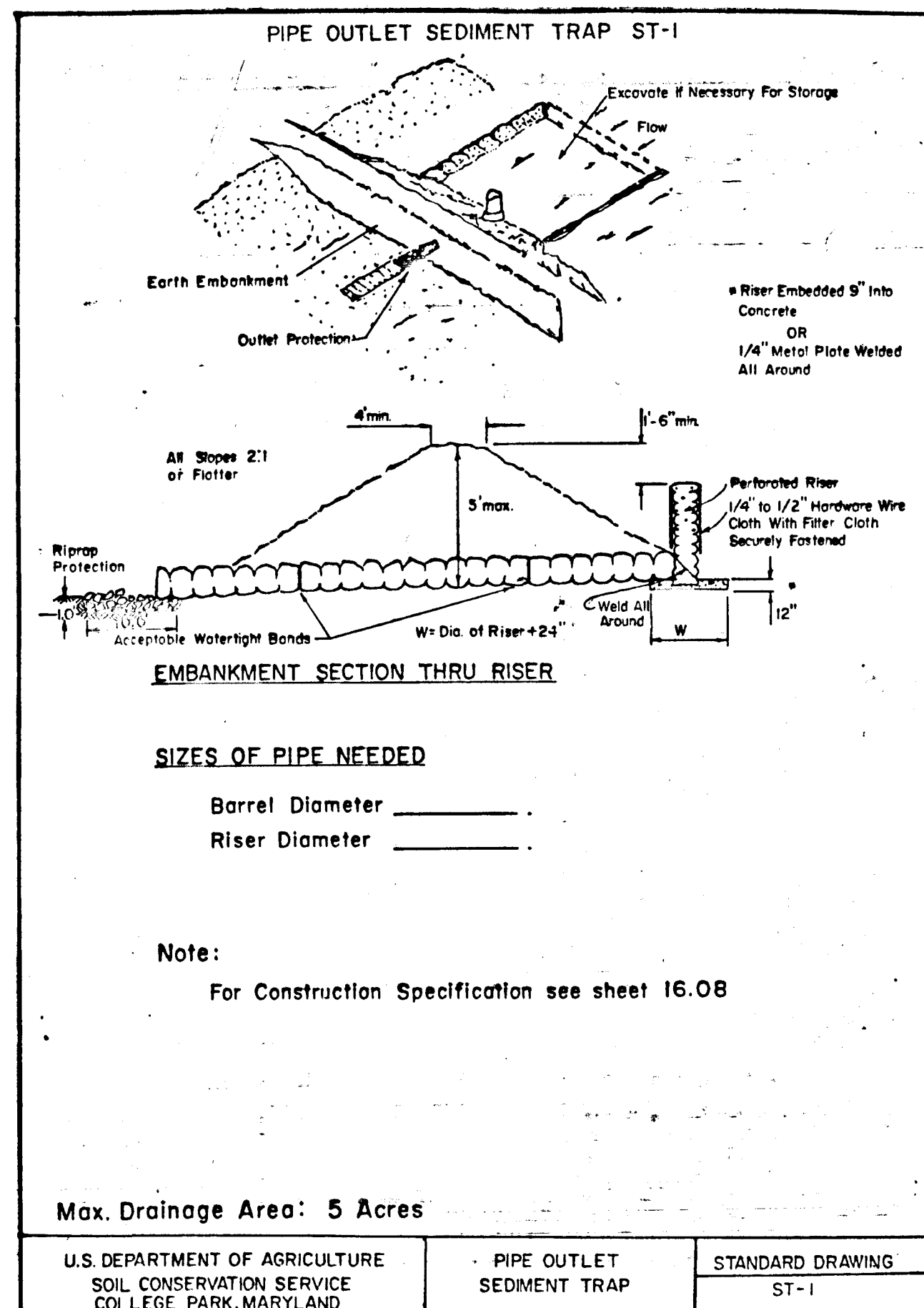
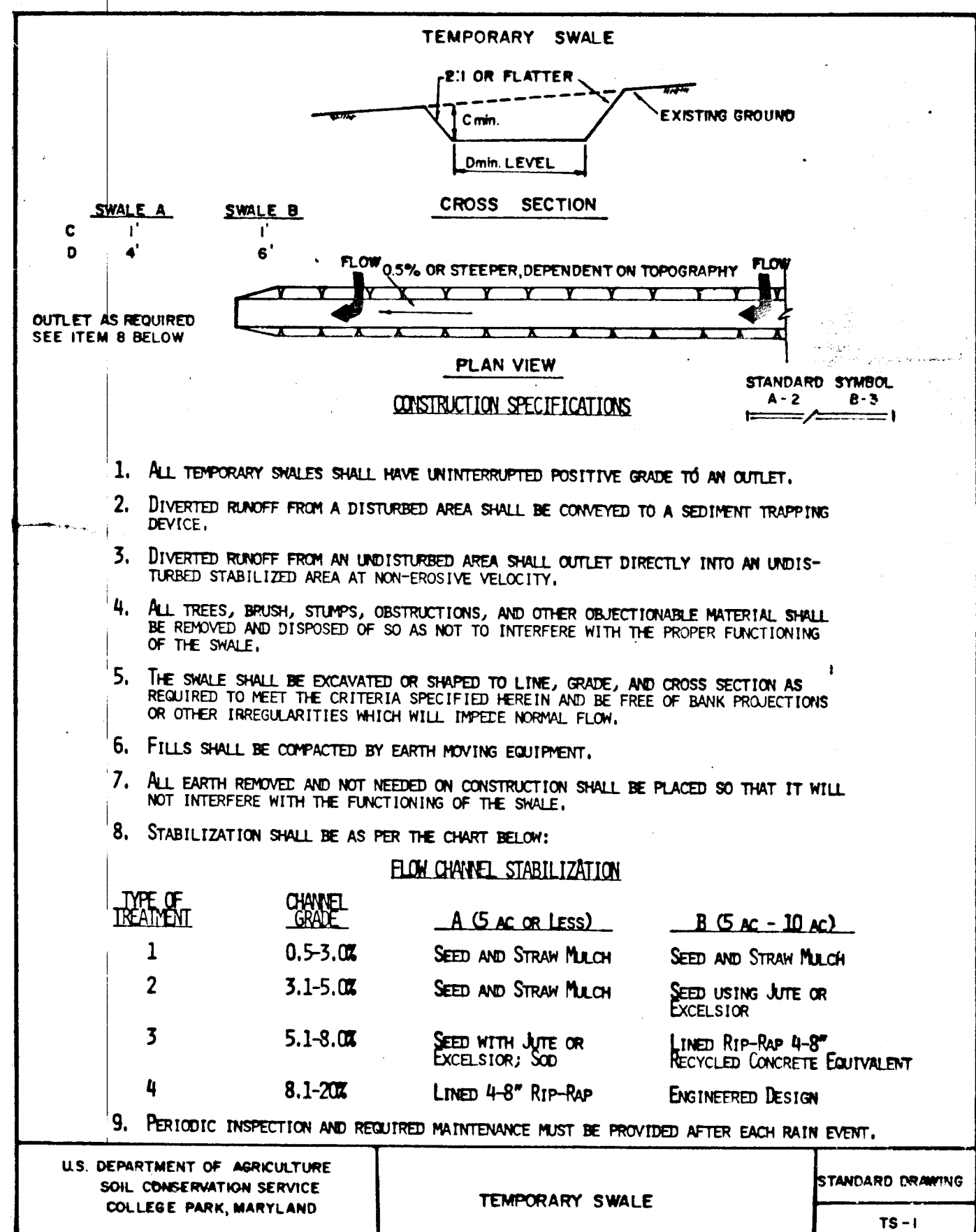
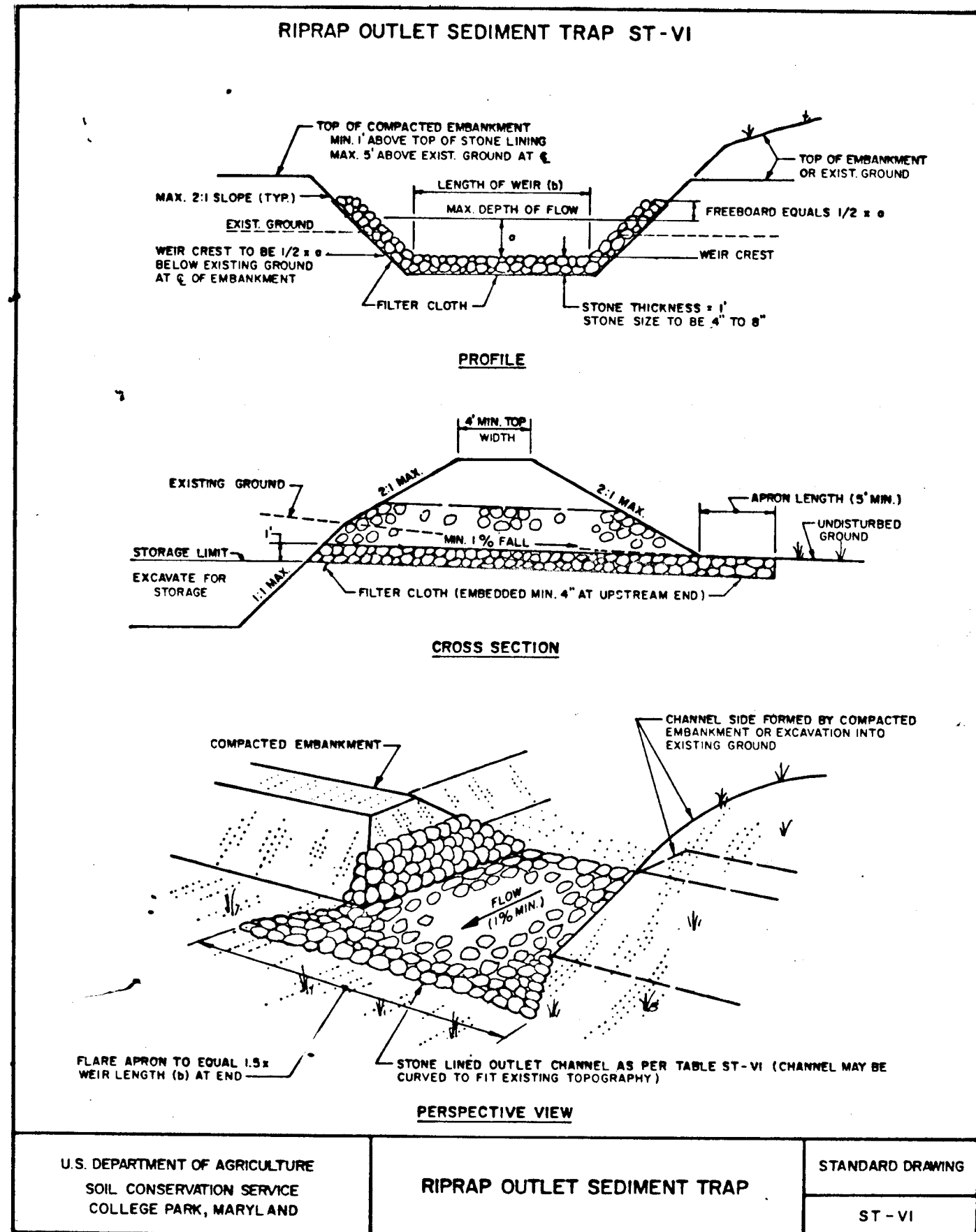
OFFICE OF PLANNING AND ZONING
Frank S. Langley
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Paul J. ... 2/15/89
CHIEF, LAND DEVELOPMENT DIVISION DATE:

W. Decker 2/15/89
CHIEF, BUREAU OF HIGHWAYS DATE:

William S. ... 2-15-89
CHIEF, BUREAU OF ENGINEERING DATE:

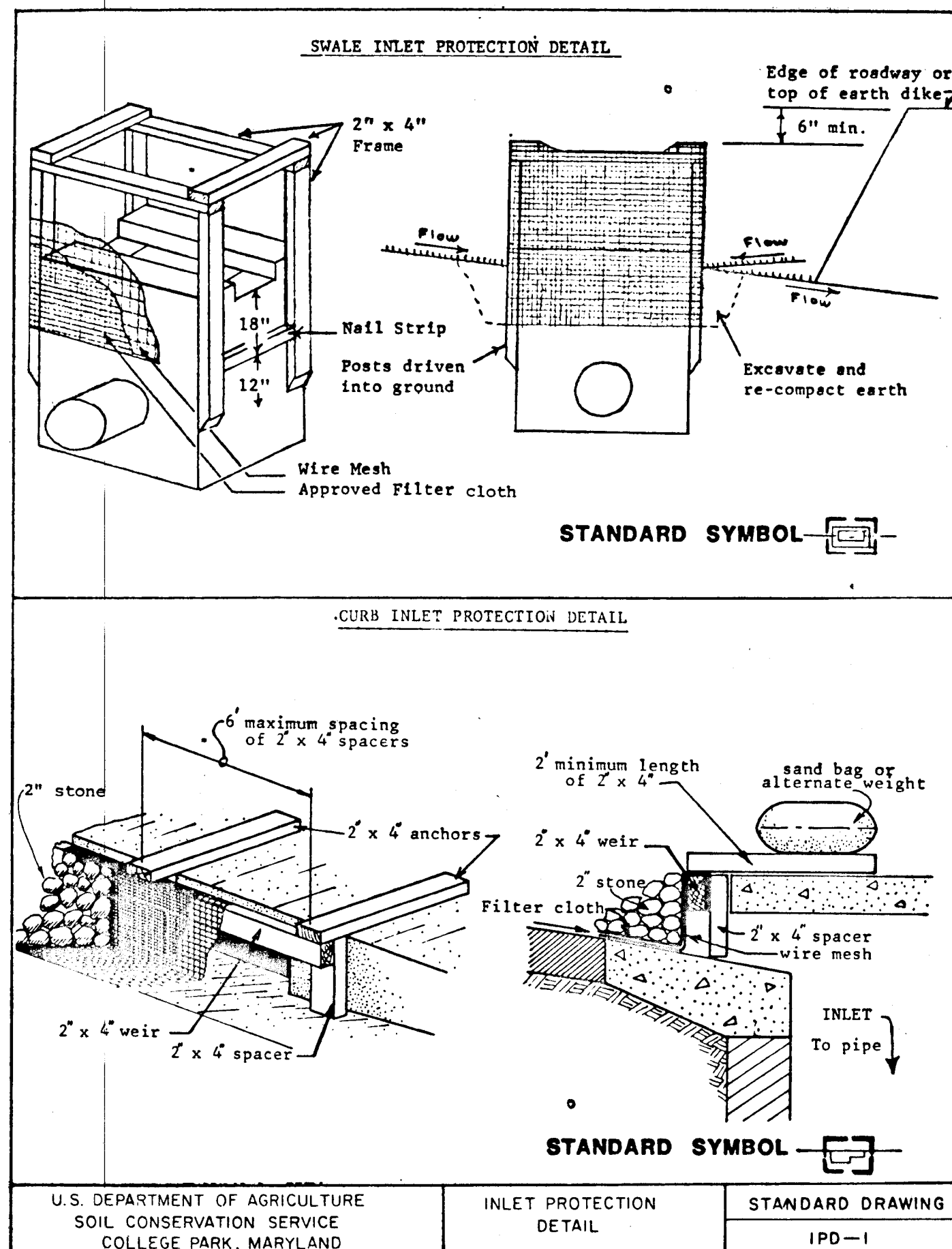


CONSTRUCTION SPECIFICATION FOR ST-I

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as oversized stones, rocks, organic material, or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and area stabilized when the drainage area has been properly stabilized.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- All pipe connections shall be watertight.
- The top 2/3 of the riser shall be perforated with one (1) inch diameter holes or slits spaced six(6) inches vertically and horizontally and placed in the concave portion of pipe. No holes will be allowed within six(6) inches of the horizontal barrel.
- The riser shall be wrapped with 1/4 to 1/2 inch hardware cloth wire then wrapped with filter cloth (having an equivalent sieve size of 40 - 80). The filter cloth shall extend six (6) inches above the highest hole and six (6) inches below the lowest hole. Where ends of filter cloth come together, they shall be overlapped, folded and stapled to prevent bypass.
- Straps or connecting bands shall be used to hold the filter cloth and wire fabric in place. They shall be placed at the top and bottom of the cloth.
- Fill material around the pipe spillway shall be hand compacted in four(4) inch layers. A minimum of two (2) feet of hand-compacted backfill shall be placed over the pipe spillway before crossing it with construction equipment.
- The riser shall be anchored with either a concrete base or steel plate base to prevent flotation. For concrete bases the depth shall be 12 inches with the riser embedded nine (9) inches. A 1/4 inch minimum thickness steel plate shall be attached to the riser by a continuous weld around the bottom to form a watertight connection and then place two (2) feet of stone, gravel, or tamped earth on the plate.

CONSTRUCTION SPECIFICATIONS FOR ST-VI

- The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight(8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 15 acres or less.



OFFICE OF PLANNING AND ZONING
2-21-89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
2/15/89
CHIEF, LAND DEVELOPMENT DIVISION DATE
2/14/89
CHIEF, BUREAU OF HIGHWAYS DATE
2-15-89
CHIEF, BUREAU OF ENGINEERING DATE

CERTIFICATION BY THE ENGINEER
"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."
KENNETH A. McCORD
DATE

CERTIFICATION BY THE DEVELOPER
"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."
DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE
DATE

REV. DATE	REV. NO.	REVISION	DESCRIPTION
BURLEIGH MANOR			
2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
DEVELOPER ROSE / RICHMOND JOINT VENTURE			
PROJECT AREA BURLEIGH MANOR SECTION 3 AREA 6			
PROJECT TITLE SEDIMENT CONTROL DETAILS			
SCALE: NO SCALE		DATE: 8/8/88	
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS BALTIMORE, MARYLAND			
APPROVED: [Signature] HOWARD S.C.D. DATE		KENNETH A. McCORD REGISTERED ENGINEER NO. 1974	