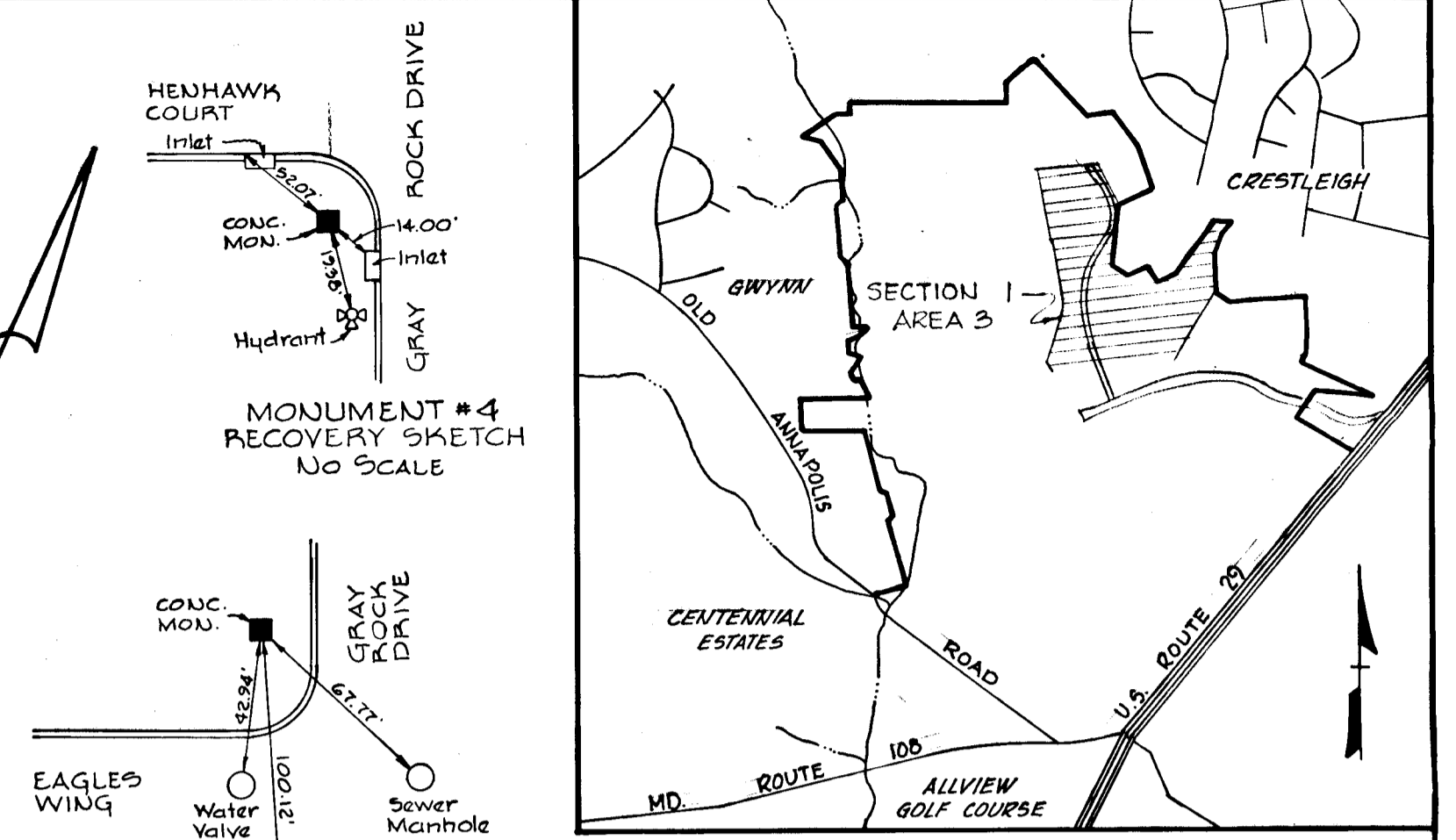
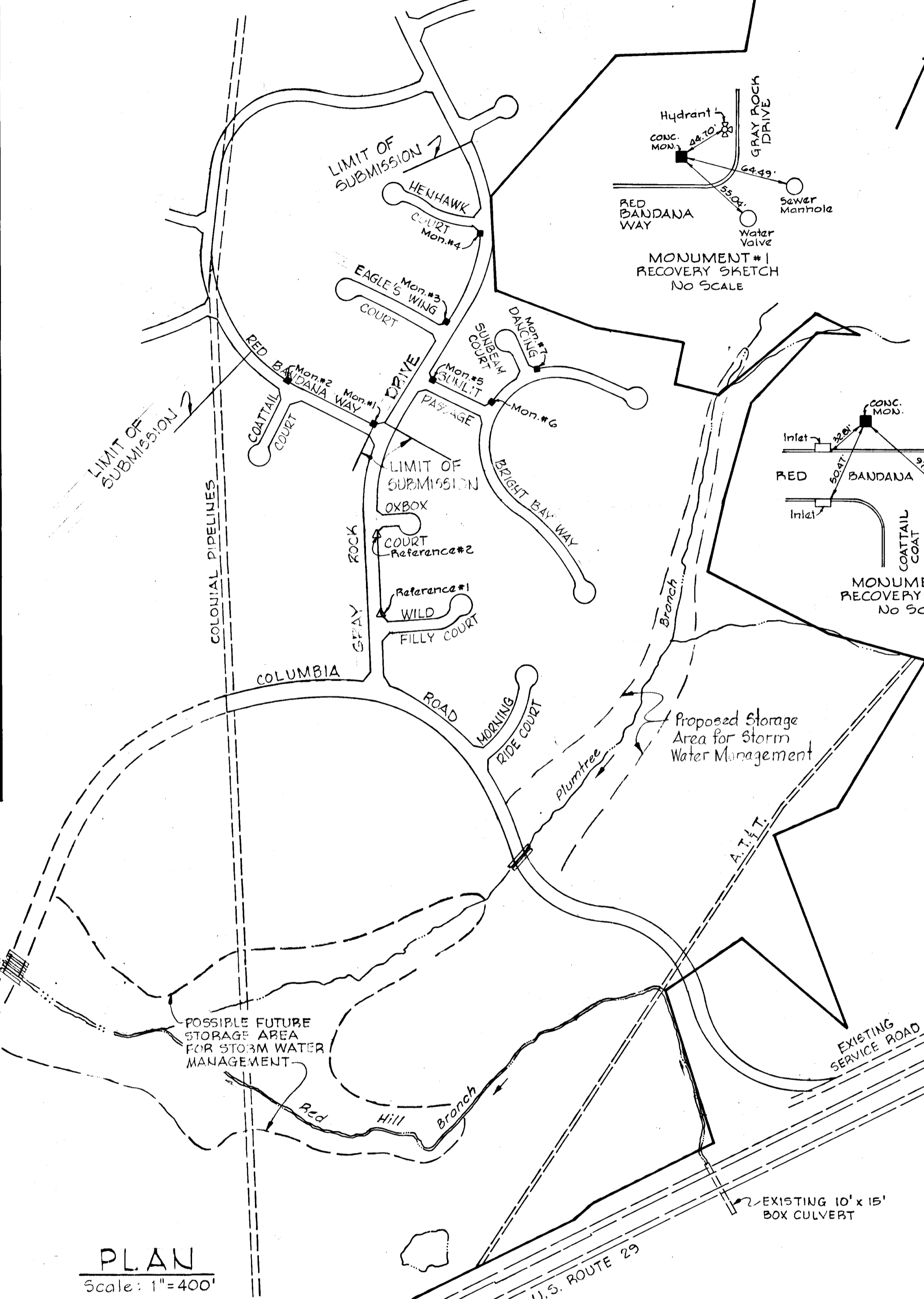


ESTIMATE OF QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITIES
	TOPSOIL STRIPPING UNDER FILLS	CY	4,810
	UNCLASSIFIED EXCAVATION (ROADWAY)	CY	36,700
	8" CONC. SURFACE COURSE (1 1/2" THK)	SY	23,550
	8" CONC. BASE COURSE (5" THK)	SY	23,550
	STD. 7" COMB. CURB & GUTTER	LF	512
	MOUNTABLE CURB	LF	11,187
	BARRIER CURB	LF	283
	CONCRETE SIDEWALK (4" THICK)	LF	7,570
	R/W AND SLOPE STABILIZATION	SY	22,770
	TRANSITION CURB AT "A" INLETS	LF	108
	5" D A-5	Ea	17
	5" D A-10	Ea	4
	5" D MANHOLES	Ea	2
	5" D TYPE "B" MANHOLES	Ea	5
	15" RCP CL IV	LF	60
	18" RCP CL IV	LF	126
	21" RCP CL IV	LF	150
	24" RCP CL IV	LF	147
	15" RCP CL III	LF	617
	18" RCP CL III	LF	319
	21" RCP CL III	LF	615
	24" RCP CL III	LF	41
	30" RCP CL III	LF	15
	15" CONCRETE END SECTION 5-9	Ea	1
	18" CONCRETE END SECTION 5-7 and 5-10	Ea	2
	21" CONCRETE END SECTION 5-11	Ea	1
	30" CONCRETE END SECTION 5-3	Ea	1
	DITCH EXCAVATION	CY	70
	RIP-RAP DITCH (Md. SHA CL-I Medium Rip Rap) 9" Thk.	SY	142
	POLY FILTER-X CLOTH	SY	142
	SEDIMENT CONTROL:		

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	GRAY ROCK DRIVE STA. 12+40 TO STA. 28+00
3	RED BANDANA WAY
4	COATTAIL COURT
5	SUNLIT PASSAGE AND BRIGHT BAY WAY STA. 0+00 TO STA. 7+36
6	BRIGHT BAY WAY STA. 0+00 TO 9+37
7	DANCING SUNBEAM COURT AND EAGLE'S WING COURT
8	HEIGHAWK COURT AND GRAY ROCK DRIVE STA. 25+50 TO STA. 26+91
9	ROAD DETAILS
10	STORM DRAIN PROFILES
11	STORM DRAIN PROFILES
12	STORM DRAIN DETAILS
13	DRAINAGE AREA MAP
14	SEDIMENT CONTROL
15	SEDIMENT CONTROL
16	SEDIMENT CONTROL
17	SEDIMENT CONTROL

REFERENCES
 #1 Concrete Monument 30' Right of 4 Sta. 3+58± Gray Rock Drive Elev. 382.81 - N 516622.51, E 845676.44
 #2 Concrete Monument 30' Right of 4 Sta. 7+40± Gray Rock Drive Elev. 373.84 - N 516988.31, E 845540.88

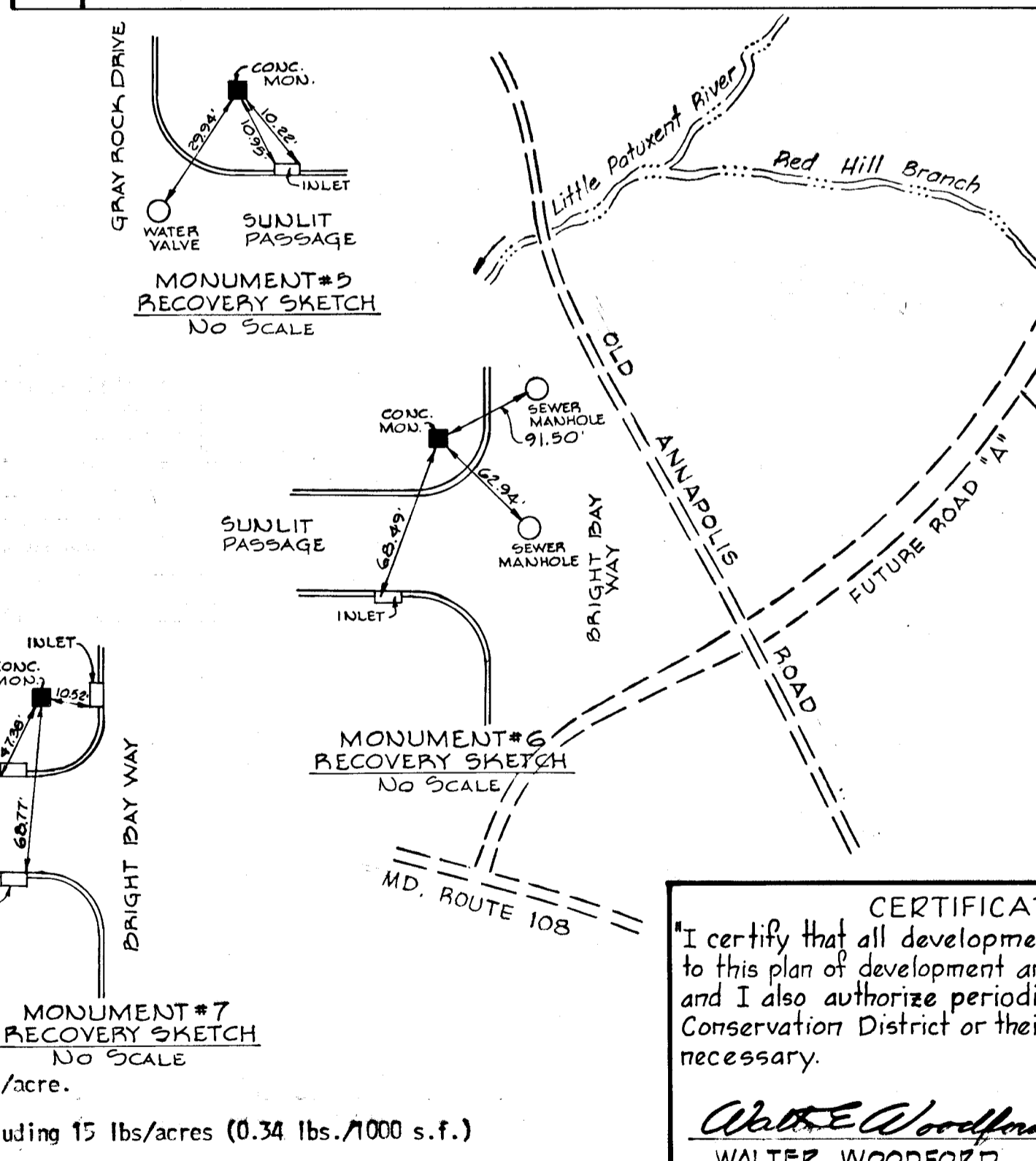


GENERAL NOTES

- All work shall be performed in accordance with the SPECIFICATIONS and also the Howard County Road Construction Code and Standard Specifications.
- All utility companies shall be notified 24 hours in advance of construction.
- Gray Rock Drive is designed for 35 MPH speed limit, all other roads are designed for 30 MPH speed limit in accordance with AA6HO standards.
- All inlets shall be Howard County standards unless otherwise shown.
- All street curb returns shall have a 350' radius unless otherwise noted.
- Storm drain trenches within road rights of way shall be backfilled and compacted in accordance with Howard County Road Code.
- 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.
- The Contractor shall test pit existing utilities where directed by the Engineer, a minimum of two weeks in advance of any construction.
- Temporary compacted 18" high Earth Fill Diversion Dikes shall be constructed above the lips of hill slopes on the R.O.W. concurrently with the initial grading and directed to undisturbed sod areas at the end of each day.
- Contractor to notify the Howard County Dept. of Inspections and Permits at least 3 days before starting work shown on these drawings.
- All disturbed slope areas to be stabilized as soon as grading is completed.
- On all fills in sump areas, Reliance Plastic & Chemical Company "Flexible Tube Down Drains and Pans" or approved equal shall be used.
- All reinforced concrete for storm drain structures shall have minimum 28 day strength of 3500 psi.
- All swales and slopes shall be permanently seeded. See the seed specifications on this sheet.
- Traffic control devices and their installation shall be in accordance with the Manual on Uniform Traffic Control Devices, 1971 Revised Edition.
- Poly Filter-X (Filter cloth blanket) or equal shall be placed under all stone rip-rap (full width and length of stone).
- Stone shall be Maryland S.H.A. Class I medium Rip Rap. Stone from onsite rock excavation may be substituted for the Maryland S.H.A. Class I medium rip-rap. Rip Rap shall be unpaved unless otherwise noted.
- Topsoil stockpiles shall be located within the confines of the clear water inlet drainage areas. See Drainage Area Map on Sheet 14; the stockpiles shall be seeded and mulched immediately after their completion. See temporary Seeding Notes on sheet 14.

SEQUENCE OF CONSTRUCTION

- Obtain Grading Permit.
- Clear and grub wooded areas to construct sediment control facilities.
- Strip roads, construct diversion dikes along roadways and sediment traps outside of roadways.
- Seed topsoil stockpile, diversion dikes (See Note 18 This Sheet).
- Install storm drain pipes. Place Poly Filter-X Cloth around end of downstream pipe at all inlet and manhole locations prior to laying upstream pipe. See detail sheet 14 of 17.
- Build inlets and manholes and install wood planking and stone filters at inlets to complete sediment trap construction. Block inlets as noted.
- Install clean water inlets and temporary piping as required.
- Construct all utilities.
- Fine grade roads, construct curb and gutter and seed all disturbed areas as per specifications this sheet.
- Remove sediment traps, finish curb and gutter and pave roads.
- Remove the temporary sediment control facilities after construction site is completed and grass is established in the contributing drainage areas. Stabilize when removed according to Permanent Seeding Notes.



PERMANENT SEEDING (SEE GENERAL NOTES)

LIME = 2 TONS/ACRE AGRICULTURAL GROUND LIMESTONE
 FERTILIZER = 1000 LBS/ACRE (10-10-10)
 SEEDING = 100 LBS/ACRE OF THE FOLLOWING:
 20% KENTUCKY BLUE GRASS, 20% MERION BLUE GRASS,
 55% CREEPING RED FESCUE, 5% REDTOP.

Mulch Required - Mulch area with straw at 75 lbs./1000 s.f. or 1.5 tons/acre.
 Anchor with asphalt at the rate of 480 gallons/acre.
 Stabilization of slopes steeper than 3:1 shall be planted with crownvetch including 15 lbs/acre (0.34 lbs./1000 s.f.)
 Kentucky 31 Tall Fescue 40 lbs./acre (1 lb./1000 s.f.)

CERTIFICATION BY THE DEVELOPER

"I certify that all development and or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary."

Walter Woodford 9/25/78
 WALTER WOODFORD 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 9/25/78
 Kenneth A. McCord P.E. 1974 Date

WHITMAN, REQUARDT & ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21202
Kenneth A. McCord
 KENNETH A. McCord
 Registered Engineer
 NO. 1974

DEPARTMENT OF PUBLIC WORKS
W. O. Lambert 8-20-79
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
John W. Mueser 8-10-79
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

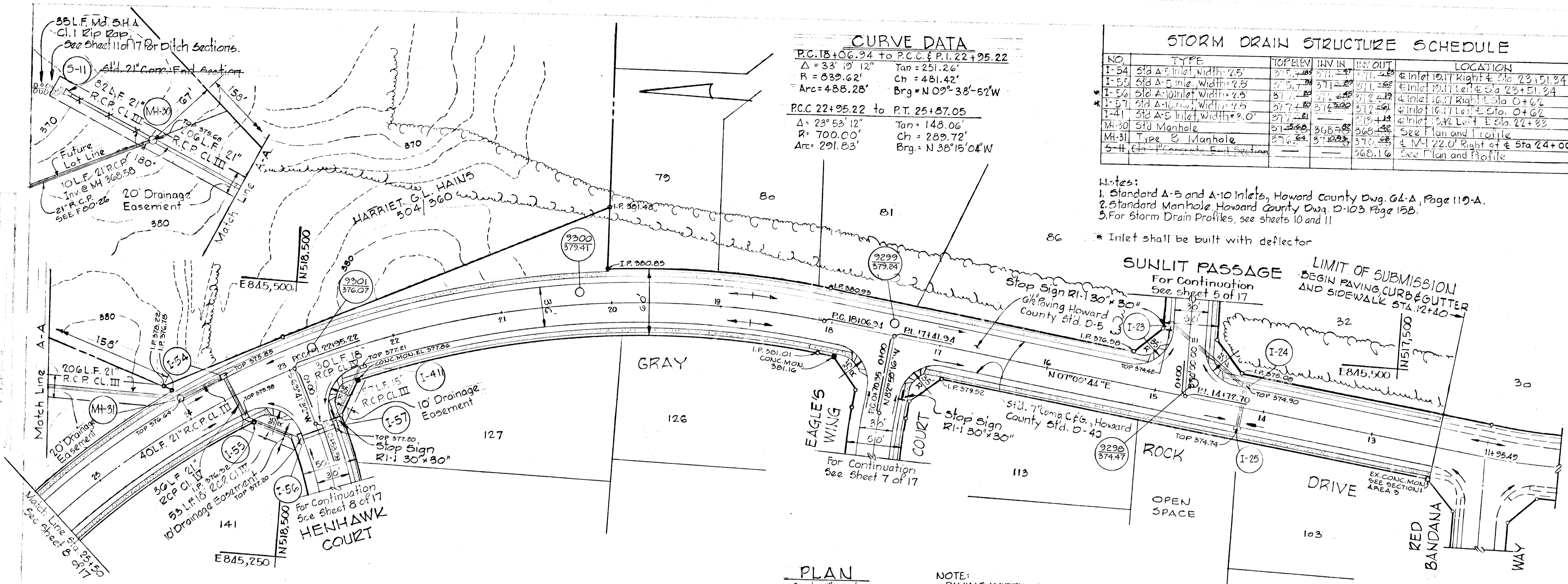
OWNER AND DEVELOPER
 THE HOWARD RESEARCH AND DEVELOPMENT CORP.
 COLUMBIA, MARYLAND

REVIEWED FOR HOWARD SCD
 NAME
 AND MEETS TECHNICAL REQUIREMENTS
Wendell Sanditz 8-8-79
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 APPROVED
John T. Rowe 8-8-79
 HOWARD SCD DATE

11-12	1	Revised Sheet 2
Rev Date	Rev No	Revision Description

DORSEY HALL SECTION 1 AREA 3 ROAD CONSTRUCTION PLANS
 2ND ELECTION DISTRICT OF HOWARD COUNTY MD.
 OWNER AND DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORP.
 COLUMBIA MARYLAND
 Date _____ Scale: As Shown



CURVE DATA

P.C. 18+06.94 to P.C.C. & P.I. 22+95.22	$\Delta = 33^\circ 12' 12''$	Tan = 251.26'
R = 639.62'	Ch = 481.42'	
Arc = 488.28'	Brg = N 09° 38' 52" W	
P.C.C. 22+95.22 to P.T. 25+87.05		
$\Delta = 23^\circ 53' 12''$	Tan = 148.06'	
R = 700.00'	Ch = 289.72'	
Arc = 291.83'	Brg = N 38° 15' 04" W	

STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	TOPELEV	IN IN	IN OUT	LOCATION
I-54	Std A Inlet width 25	375.24	21.12	21.12	Inlet 12.17 Right of Sta 23+51.34
I-55	Std A Inlet width 25	371.22	21.12	21.12	Inlet 12.17 Left of Sta 23+51.34
I-56	Std A Inlet width 25	371.22	21.12	21.12	Inlet 16.71 Right of Sta 0+62
I-57	Std A Inlet width 25	371.22	21.12	21.12	Inlet 16.71 Left of Sta 0+62
MH-30	Std Manhole	371.22	36.88	36.88	See Plan and Profile
MH-31	Type B Manhole	376.24	37.42	37.42	See Plan and Profile
5-H	Std Manhole	368.16	36.88	36.88	See Plan and Profile

DEPARTMENT OF PUBLIC WORKS
W. J. Sallent 8-20-79
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
John W. Mueselmann 8-10-79
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

- Notes:
 1. Standard A-5 and A-10 Inlets, Howard County Dwg. 64-A, Page 119-A.
 2. Standard Manhole Howard County Dwg. D-103, Page 158.
 3. For Storm Drain Profiles, see sheets 10 and 11.
 * Inlet shall be built with deflector

AS BUILT ELEVATIONS AS OF 4/7/82
 SIGNED AND SEALED BY
 KENNETH A. MCCORD P.E. 1974

11-12	1	Remove Valley Gutter @ Eagles Wing Court
Rev. Date	Rev. No.	Revision Description

DORSEY HALL
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER AND DEVELOPER
 HOWARD RESEARCH AND DEVELOPMENT CORP.

PROJECT AREA
 SECTION I AREA 3

PROJECT TITLE
 PLAN AND PROFILE
 GRAY ROCK DRIVE
 STA. 12+40 TO STA. 25+50

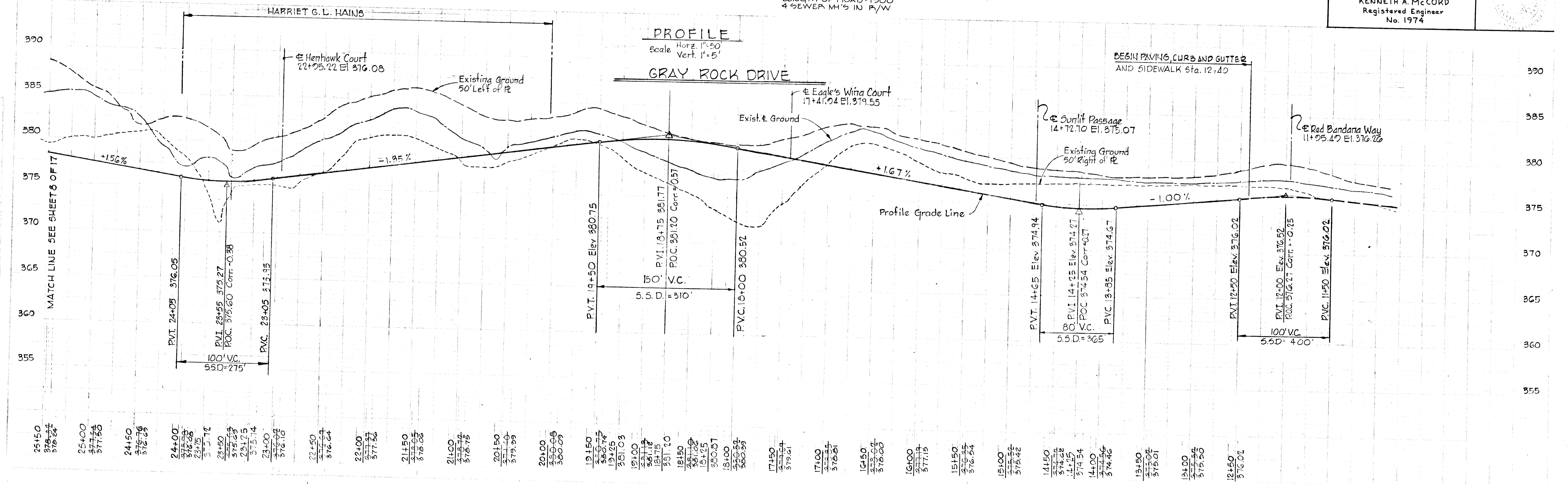
SCALE: AS SHOWN DATE

WHITMAN, REQUARDT & ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21202

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

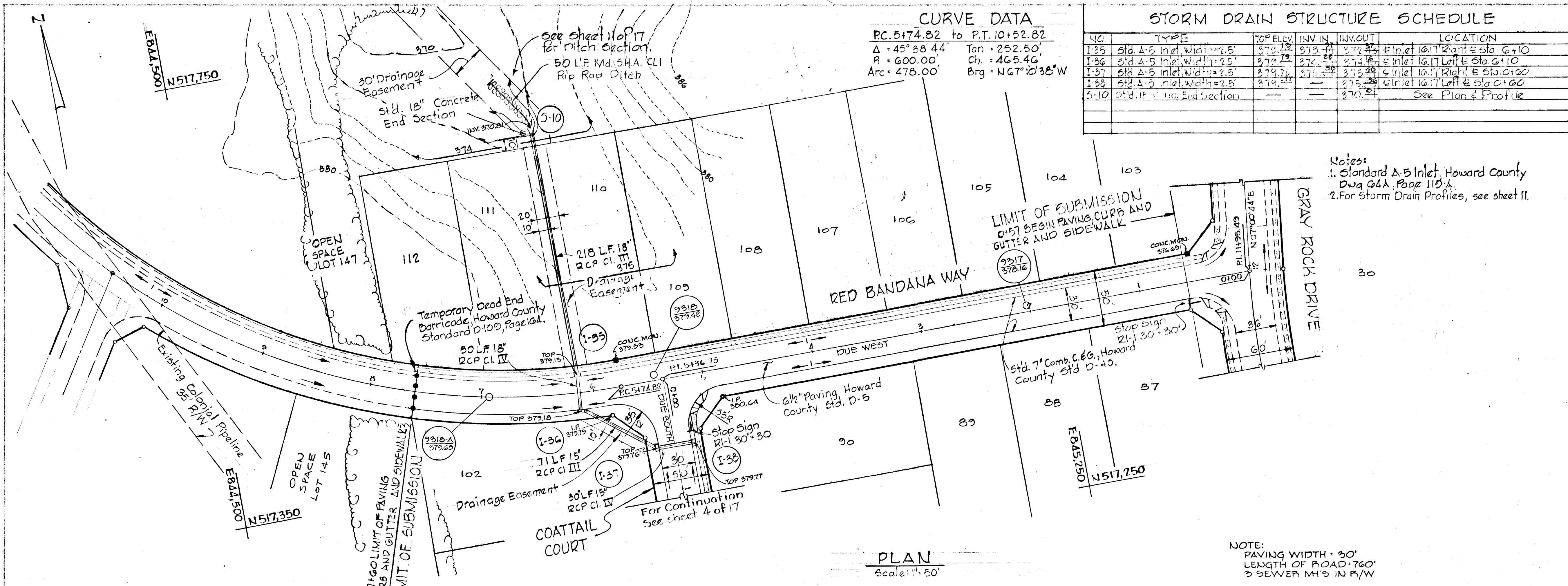
PLAN
 Scale: 1" = 50'

NOTE:
 PAVING WIDTH = 36'
 LENGTH OF ROAD = 1300'
 4 SEWER MH'S IN P/W



PROFILE
 Scale: Horiz. 1" = 50', Vert. 1" = 5'

25+50	375.24	376.24	378.24
25+00	377.54	377.54	377.54
24+50	376.63	376.63	376.63
24+00	376.05	376.05	376.05
23+50	375.27	375.27	375.27
23+00	373.95	373.95	373.95
22+50	372.64	372.64	372.64
22+00	371.36	371.36	371.36
21+50	370.08	370.08	370.08
21+00	368.80	368.80	368.80
20+50	367.52	367.52	367.52
20+00	366.24	366.24	366.24
19+50	364.96	364.96	364.96
19+00	363.68	363.68	363.68
18+50	362.40	362.40	362.40
18+00	361.12	361.12	361.12
17+50	359.84	359.84	359.84
17+00	358.56	358.56	358.56
16+50	357.28	357.28	357.28
16+00	356.00	356.00	356.00
15+50	354.72	354.72	354.72
15+00	353.44	353.44	353.44
14+50	352.16	352.16	352.16
14+00	350.88	350.88	350.88
13+50	349.60	349.60	349.60
13+00	348.32	348.32	348.32
12+50	347.04	347.04	347.04
12+00	345.76	345.76	345.76



CURVE DATA

PC: 5+74.82 to PT: 10+52.82
 $\Delta = 45^\circ 38' 44''$ Tan = 252.50'
 $R = 600.00'$ Ch = 465.46'
 $Arc = 478.00'$ Brg = $N 67^\circ 10' 36'' W$

STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	TOP ELEV.	IN. IN.	IN. OUT.	LOCATION
I-35	Std. A-5 Inlet Width = 2.5'	379.13	373.44	377.77	Inlet 10.17 Right of Sta. 6+10
I-36	Std. A-5 Inlet Width = 2.5'	379.72	374.02	372.66	Inlet 10.17 Left of Sta. 6+10
I-37	Std. A-5 Inlet Width = 2.5'	379.74	374.04	372.68	Inlet 10.17 Right of Sta. 6+60
I-38	Std. A-5 Inlet Width = 2.5'	379.44	373.74	372.38	Inlet 10.17 Left of Sta. 6+60
5-10	Std. 18" RCP End Section			370.24	See Plan & Profile

DEPARTMENT OF PUBLIC WORKS
W.O. Lambert 8-20-79
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
John W. Mudderman 8-10-79
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

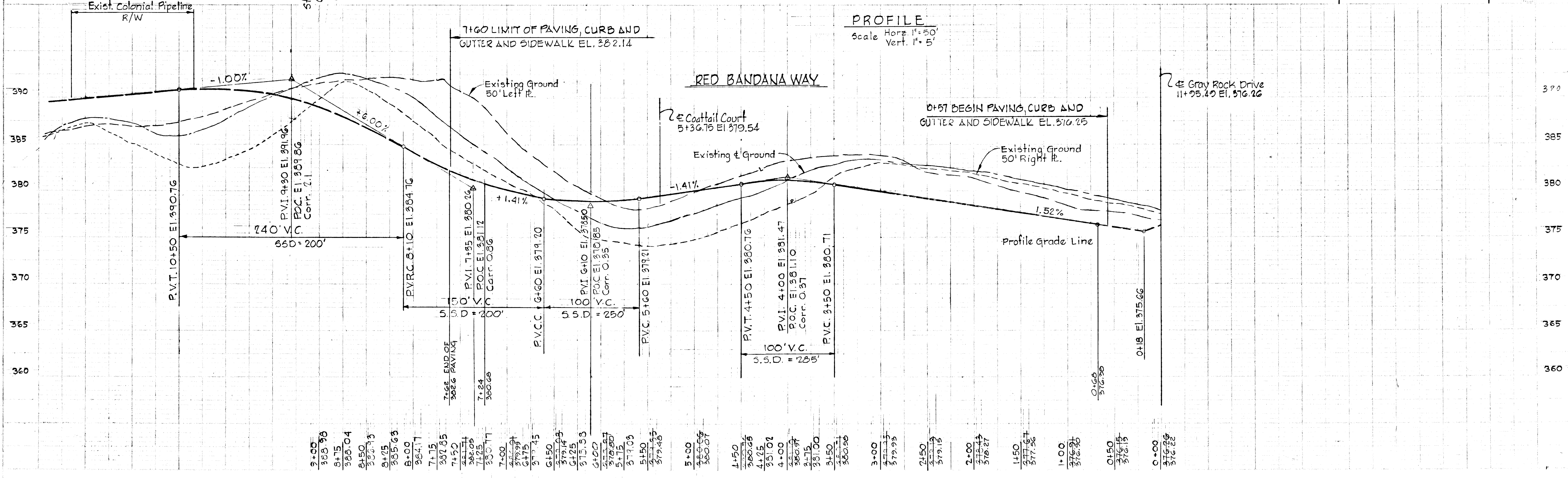
Notes:
 1. Standard A-5 Inlet, Howard County Dwg. 64A, Page 113-A.
 2. For Storm Drain Profiles, see sheet 11.

As Built Elevations As Of 4/7/82
 Signed And Sealed By
 KENNETH A. McCORD P.E. 1974

Rev. Date	Rev. No.	Revision Description
		DORSEY HALL 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
		OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.
		PROJECT AREA SECTION I AREA 3
		PROJECT TITLE PLAN AND PROFILE RED BANDANA WAY STA. 0+57 TO STA. 7+60
		SCALE: AS SHOWN DATE
		WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202

PLAN
Scale: 1" = 50'

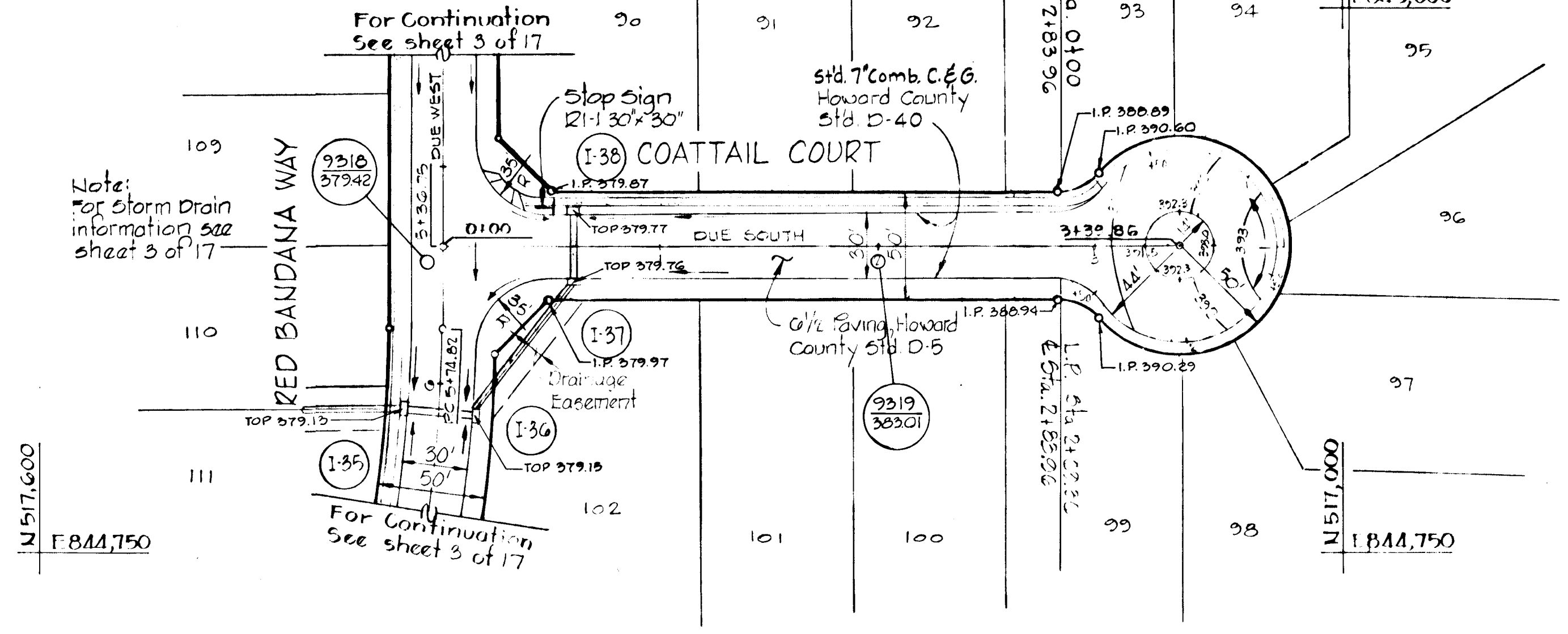
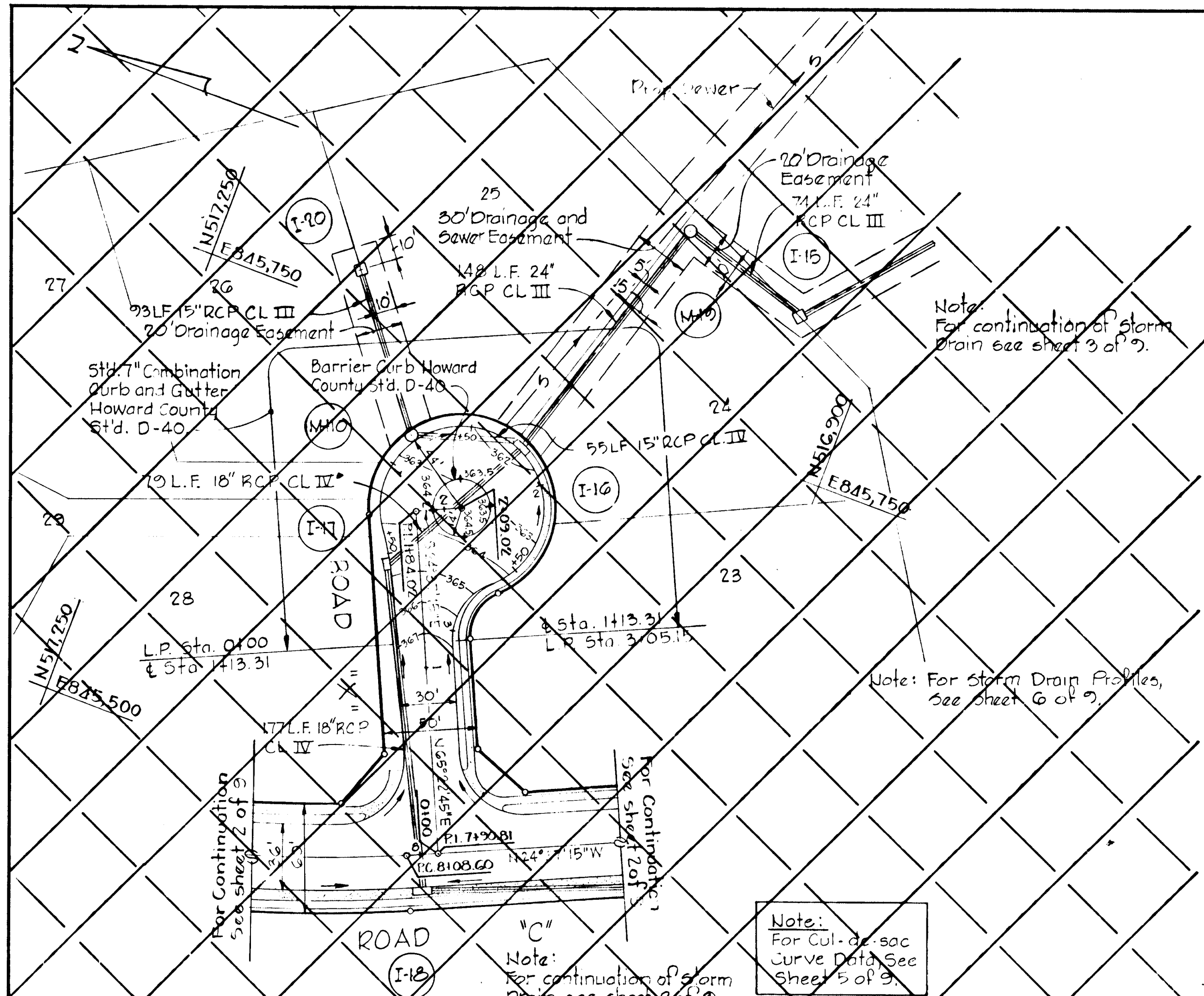
NOTE:
 PAVING WIDTH: 30'
 LENGTH OF ROAD: 760'
 3 SEWER MH'S IN P/W



PROFILE
 Scale: Horz. 1" = 50'
 Vert. 1" = 5'

Note: For Cul-de-sac Curve Data, See sheet 2 of 17
 A= BUILT ELEVATIONS AS OF 4/7/02
 SIGNED AND SEALED BY
 KENNETH A. McCORD P.E. #1974

PLAN
 DATE: _____
 BY: _____
 CHECKED: _____
 IN CHARGE: _____
 NO. _____

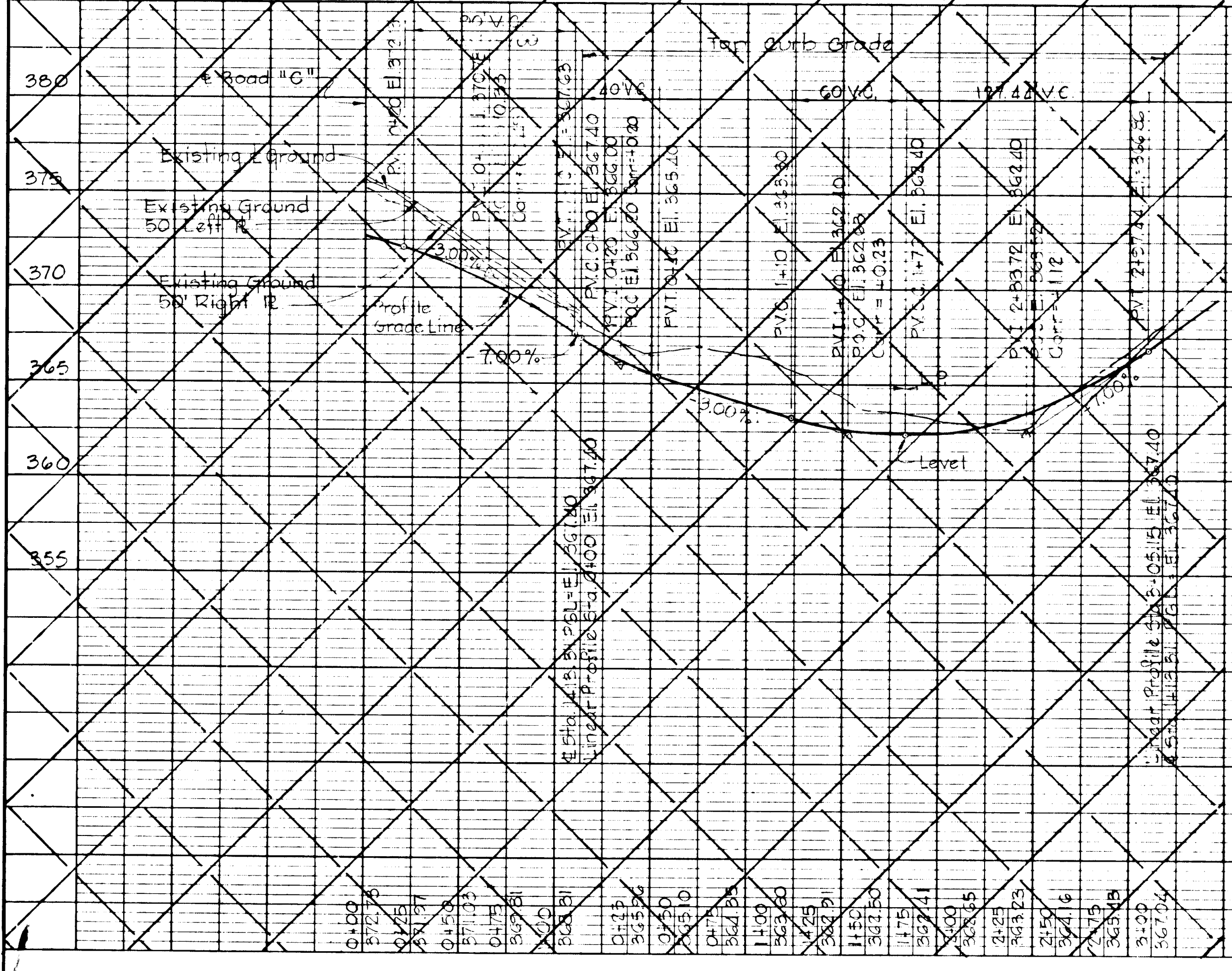


PLAN
 Scale: 1"=50'

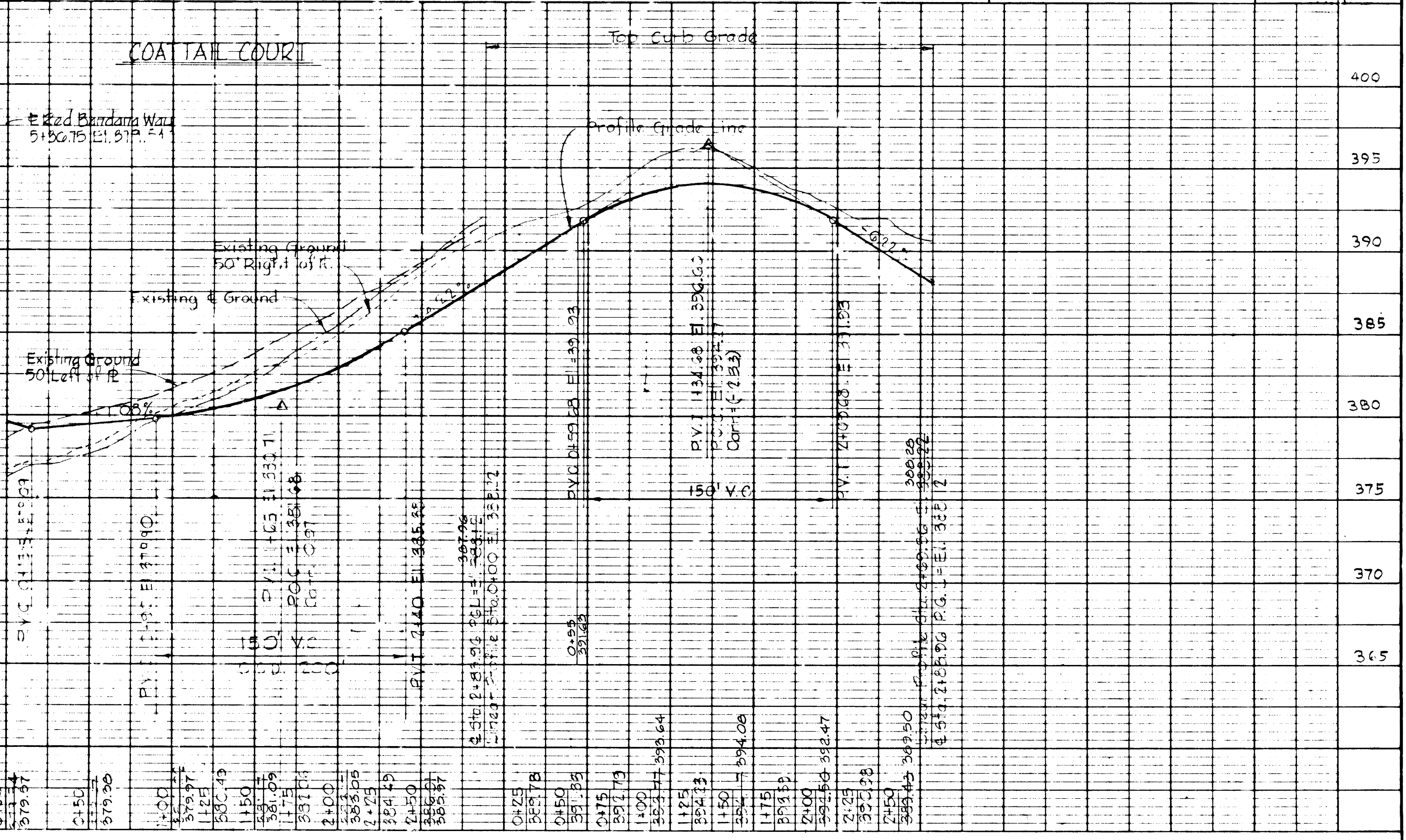
NOTE:
 PAVING WIDTH = 30'
 LENGTH OF ROAD = 340'
 1 SEWER MH IN R/W

Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION I AREA 3		
PROJECT TITLE PLAN AND PROFILE COATTAIL COURT		
SCALE: AS SHOWN		DATE
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
<i>Kenneth A. McCord</i> KENNETH A. McCORD Registered Engineer No. 1974		

PROFILE
 DATE: _____
 BY: _____
 CHECKED: _____
 IN CHARGE: _____
 NO. _____



PROFILE
 Scale: Horiz. 1"=50'
 Vert. 1"=5'



STORM DRAIN STRUCTURE SCHEDULE

NO.	Type	Top Elev.	Inv. Elev.	IN/OUT	LOCATION
I-22	Std. A-5 Inlet, Width 2.5	363.42	362.79	359.47	Inlet 10.17 left of Sta. 3+52
I-23	Std. A-5 Inlet, Width 2.5	374.42	368.80	368.80	Inlet 10.17 left of Sta. 0+00
I-24	Std. A-5 Inlet, Width 3.0	374.74	369.74	369.74	Inlet 10.42 right of Sta. 14+20.00
I-25	Std. A-5 Inlet, Width 2.5	374.91	369.74	369.74	Inlet 10.17 left of Sta. 14+20.00
I-26	Std. A-5 Inlet, Width 2.5	360.80	351.27	350.33	Inlet 10.17 right of Sta. 3+52
I-27	Std. A-5 Inlet, Width 2.5	357.75	350.33	350.33	Inlet 10.17 right of Sta. 1+88.00
I-28	Std. A-5 Inlet, Width 3.0	357.75	353.47	352.14	Inlet 10.17 left of Sta. 1+88.00
I-29	Std. A-5 Inlet, Width 3.0	357.75	353.47	353.47	Inlet 10.17 left of Sta. 0+49.50
I-30	Std. A-5 Inlet, Width 2.5	357.75	354.74	353.47	Inlet 10.17 right of Sta. 0+49.50
I-31	Std. A-5 Inlet, Width 2.5	357.75	354.74	354.74	Inlet 10.17 left of Sta. 2+83.24
I-32	Std. A-5 Inlet, Width 2.5	357.75	354.74	354.74	Inlet 10.17 left of Sta. 1+76.63
MH13	Type BM4 (See Detail Sheet 12)	347.23	335.42	337.92	See Plan and Profile
MH14	Type BM4 (See Detail Sheet 12)	347.23	338.42	337.92	See Plan and Profile
MH15	Type BM4 (See Detail Sheet 12)	347.23	338.42	337.92	See Plan and Profile
S-8	30' Concrete End Section			350.42	See Plan and Profile
S-9	15' Concrete End Section			334.42	See Plan and Profile

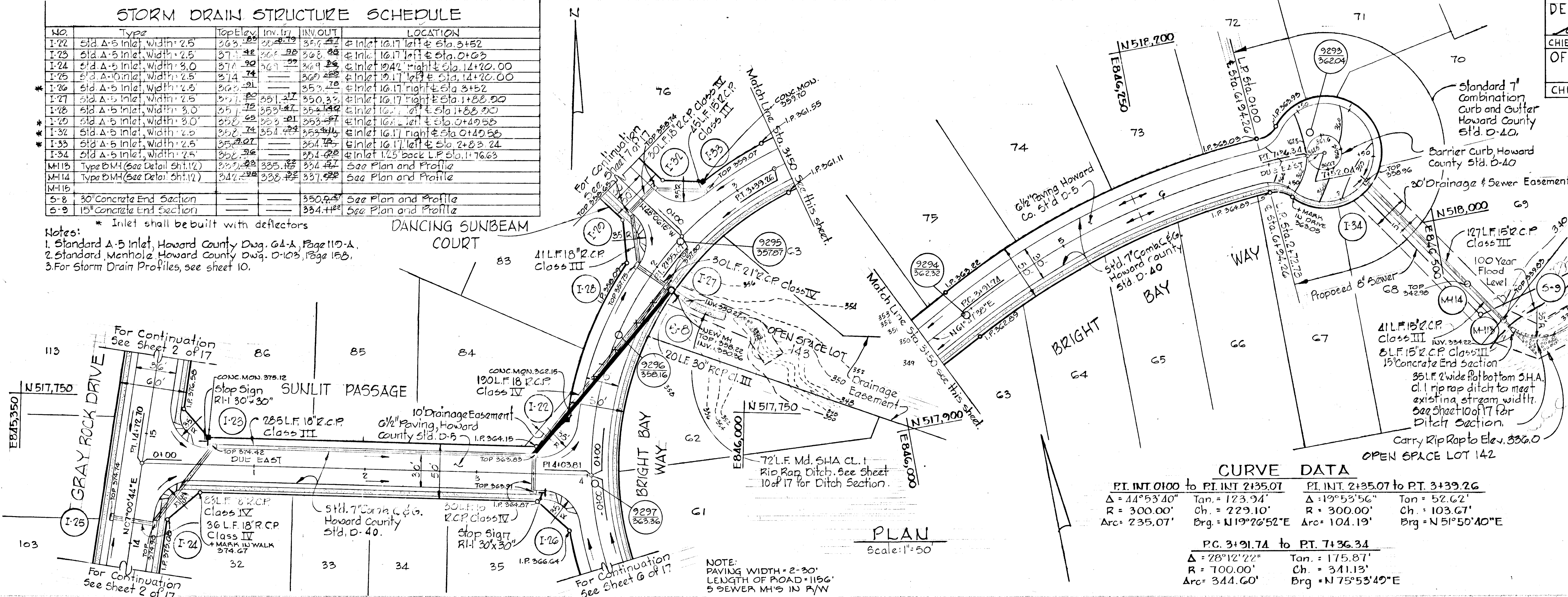
Notes:
 1. Inlet shall be built with deflectors
 2. Standard A-5 Inlet, Howard County Dwg. G-1-A, Page 110-A.
 3. Standard Manhole, Howard County Dwg. D-10-B, Page 153.
 4. For Storm Drain Profiles, see sheet 10.

DEPARTMENT OF PUBLIC WORKS
 W. O. Falout 8-20-79
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
 Arthur W. Muddiman 8-10-79
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Note
 For Cul-de-sac details
 See Sheet 9 of 17

As-BUILT SURVEY ELEVATIONS As Of 4/7/82
 SIGNED AND SEALED BY
 KENNETH A. MCCORD P.E. # 1974

Rev. Date	Rev. No.	Revision Description
DORSEY HALL		
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION I AREA 3		
PROJECT TITLE PLAN AND PROFILE SUNLIT PASSAGE AND BRIGHT BAY WAY STA. 0+00 TO STA. 7+36		
SCALE: AS SHOWN DATE		
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
<i>Kenneth A. McCord</i> KENNETH A. MCCORD Registered Engineer No. 1974		



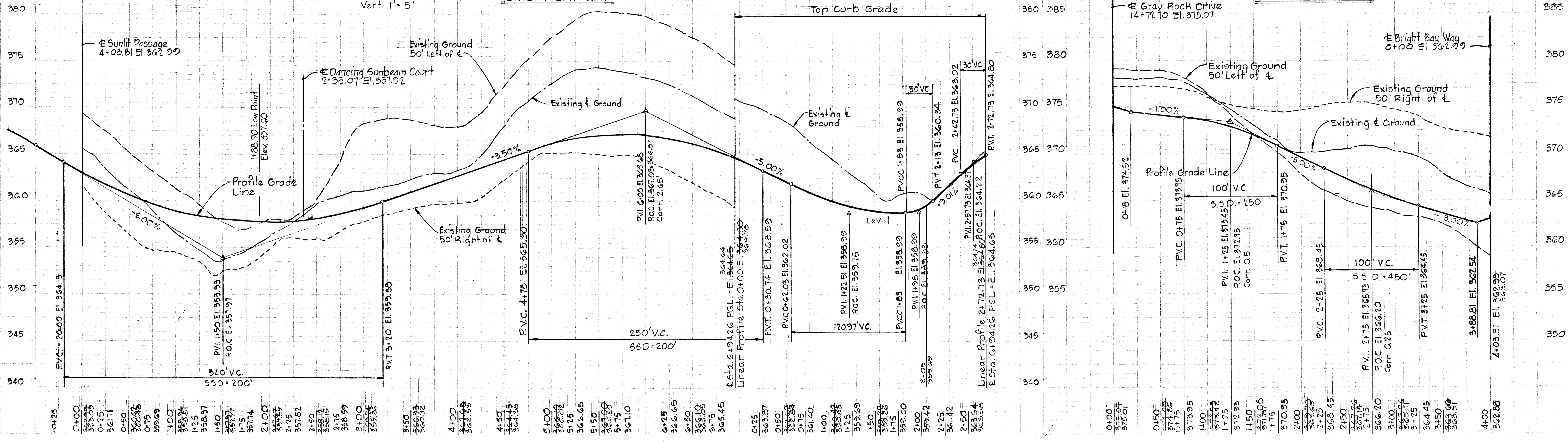
CURVE DATA

PT. INT. 0+00 to PT. INT. 2+35.07	PT. INT. 2+35.07 to PT. 3+39.26
$\Delta = 44^{\circ}53'40''$	$\Delta = 19^{\circ}53'56''$
$R = 300.00'$	$R = 300.00'$
$Arc = 235.07'$	$Arc = 104.19'$
$Tan = 123.94'$	$Tan = 52.62'$
$Ch = 229.10'$	$Ch = 103.67'$
$Brg = N19^{\circ}26'52''E$	$Brg = N51^{\circ}50'40''E$

PT. 3+39.26 to PT. 7+36.34
$\Delta = 28^{\circ}12'22''$
$R = 700.00'$
$Arc = 344.60'$
$Tan = 175.87'$
$Ch = 341.13'$
$Brg = N17^{\circ}53'49''E$

PLAN
 Scale: 1" = 50'

PROFILE
 Scale: Horiz. 1" = 50'
 Vert. 1" = 5'



37 L.F. Md. S.H.A. Class I Rip Rap Ditch.
 2' wide flat bottom to meet existing swale,
 18' Concrete End Section
 8 L.F. 18" R.C.P. Class III

OPEN SPACE LOT 142
 As-Built Elevations As Of 4/7/82
 Signed and Sealed By
 KENNETH A. MCCORD P.E. #1974

Rev. Date	Rev. No.	Revision Description
-----------	----------	----------------------

DORSEY HALL
 2ND ELECTION DISTRICT
 HOWARD COUNTY MARYLAND

OWNER AND DEVELOPER
 BRIGHT BAY WAY
 HOWARD RESEARCH AND DEVELOPMENT CORP.

PROJECT AREA
 SECTION 1 AREA 3

PROJECT TITLE
 PLAN AND PROFILE
 BRIGHT BAY WAY
 STA. 0+00 TO STA. 2+37

SCALE: AS SHOWN DATE

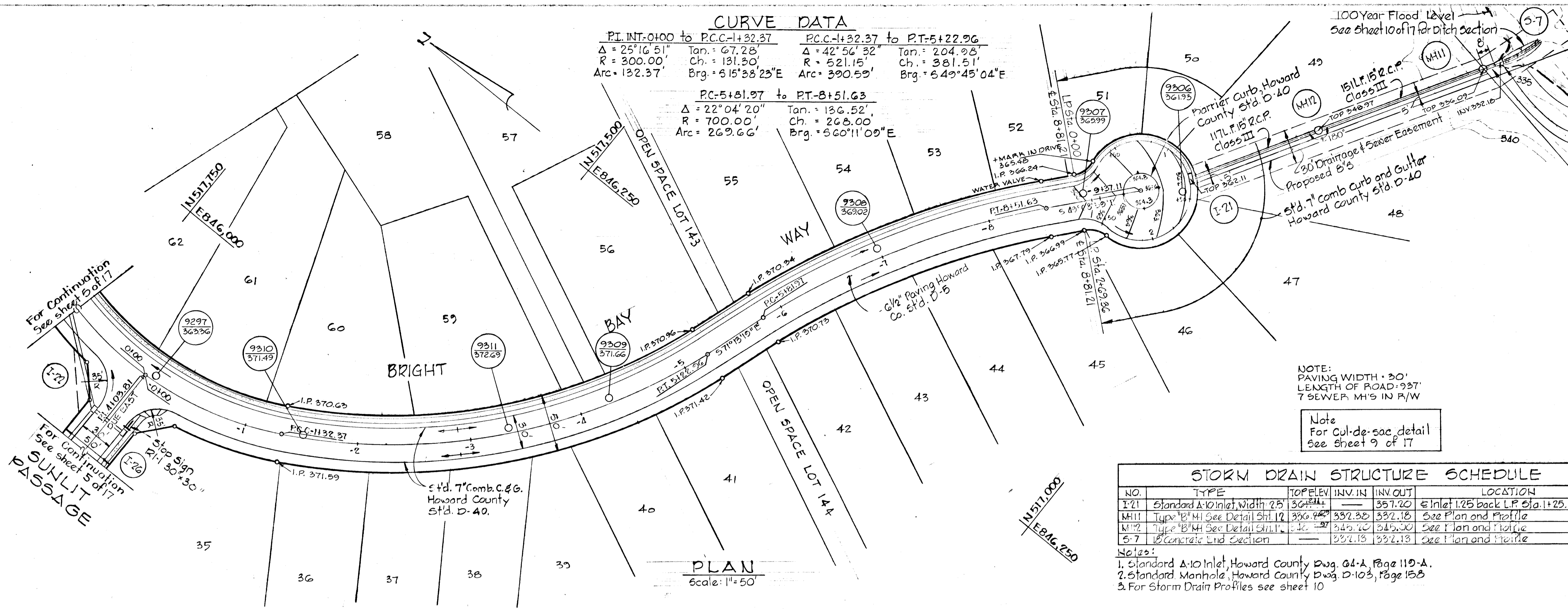
WHITMAN, REQUARDT & ASSOCIATES
 ENGINEERS
 BALTIMORE, MARYLAND 21202

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

CURVE DATA

PI INT. 0+00 to P.C.C. 1+32.37	P.C.C. 1+32.37 to P.T. 5+22.96
$\Delta = 25^{\circ}16'51"$	$\Delta = 42^{\circ}56'32"$
$R = 300.00'$	$R = 521.15'$
$\text{Ch.} = 131.30'$	$\text{Ch.} = 381.51'$
$\text{Arc} = 132.37'$	$\text{Arc} = 390.55'$
$\text{Brg.} = 615^{\circ}38'23"E$	$\text{Brg.} = 649^{\circ}45'04"E$

P.C. 5+81.97 to P.T. 8+51.63
$\Delta = 22^{\circ}04'20"$
$R = 700.00'$
$\text{Ch.} = 266.00'$
$\text{Arc} = 269.66'$
$\text{Brg.} = 600^{\circ}11'09"E$



NOTE:
 PAVING WIDTH - 30'
 LENGTH OF ROAD - 337'
 7 SEWER M.H.'S IN R/W

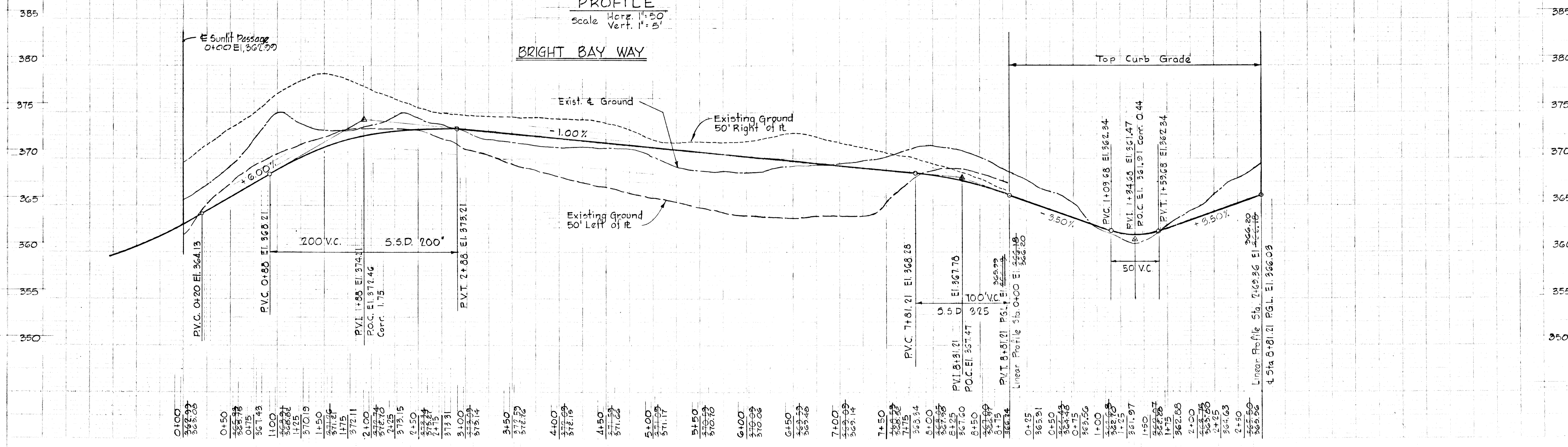
Note
 For cul-de-sac detail
 See sheet 9 of 17

STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	LOCATION
I-21	Standard A-10 Inlet, width 25"	362.44	357.20	357.20	Inlet 1.25' back L.P. Sta. 1+25.49
MH11	Type "B" M.H. See Detail Sht. 12	359.40	352.30	352.18	See Plan and Profile
MH12	Type "B" M.H. See Detail Sht. 11	349.30	345.00	345.00	See Plan and Profile
6-7	Concrete End Section	332.13	332.13	332.13	See Plan and Profile

- Notes:
 1. Standard A-10 Inlet, Howard County Div. 64-A, Page 119-A.
 2. Standard Manhole, Howard County Div. D-103, Page 153
 3. For Storm Drain Profiles see sheet 10

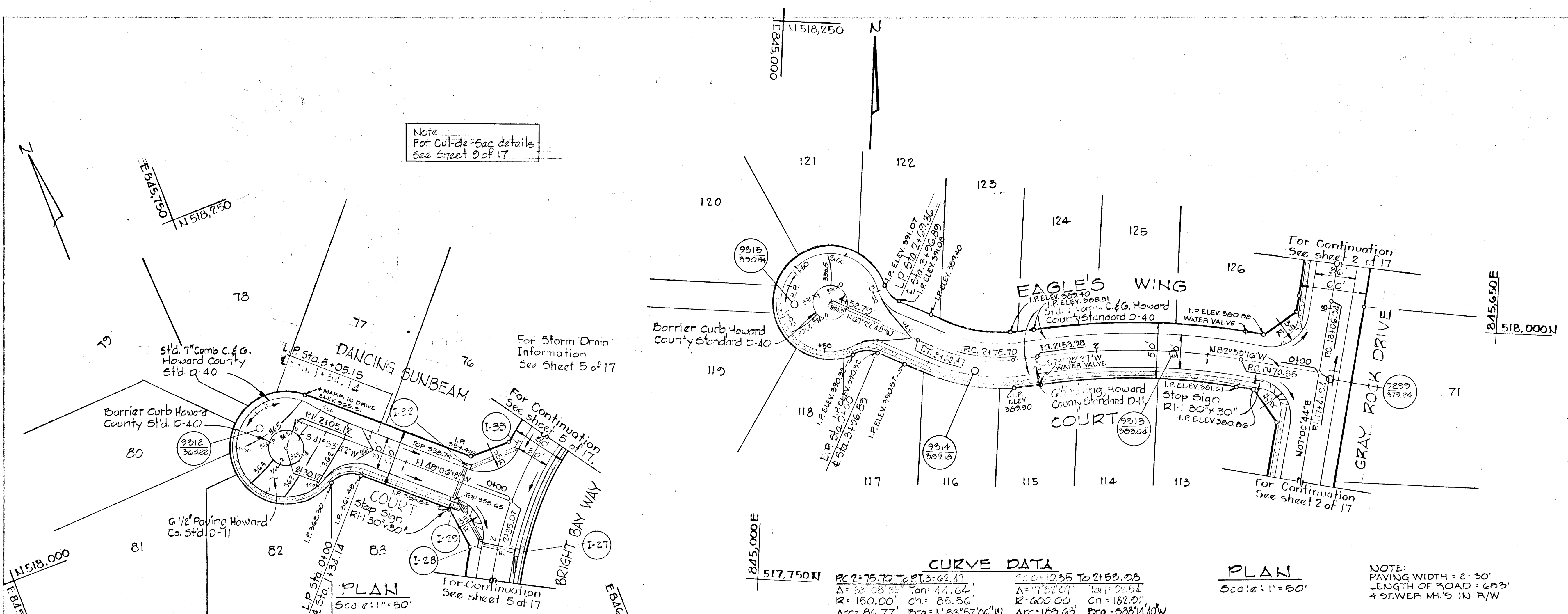
PROFILE
 Scale Horiz. 1"=50'
 Vert. 1"=5'



As-BUILT ELEVATIONS As Of 4/7/82
 SIGNED AND SEALED BY
 KENNETH A. MCCORD P.E. 1974

Rev. Date	Rev. No.	Revision Description
		DORSEY HALL 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
		OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.
		PROJECT AREA SECTION 1 AREA 3
		PROJECT TITLE PLAN AND PROFILE DANCING SUNBEAM COURT AND EAGLE'S WING COURT
		SCALE: As Shown DATE
		WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202
		<i>Kenneth A. McCord</i> KENNETH A. MCCORD Registered Engineer No. 1974

Note
 For Cul-de-Sac details
 See Sheet 9 of 17

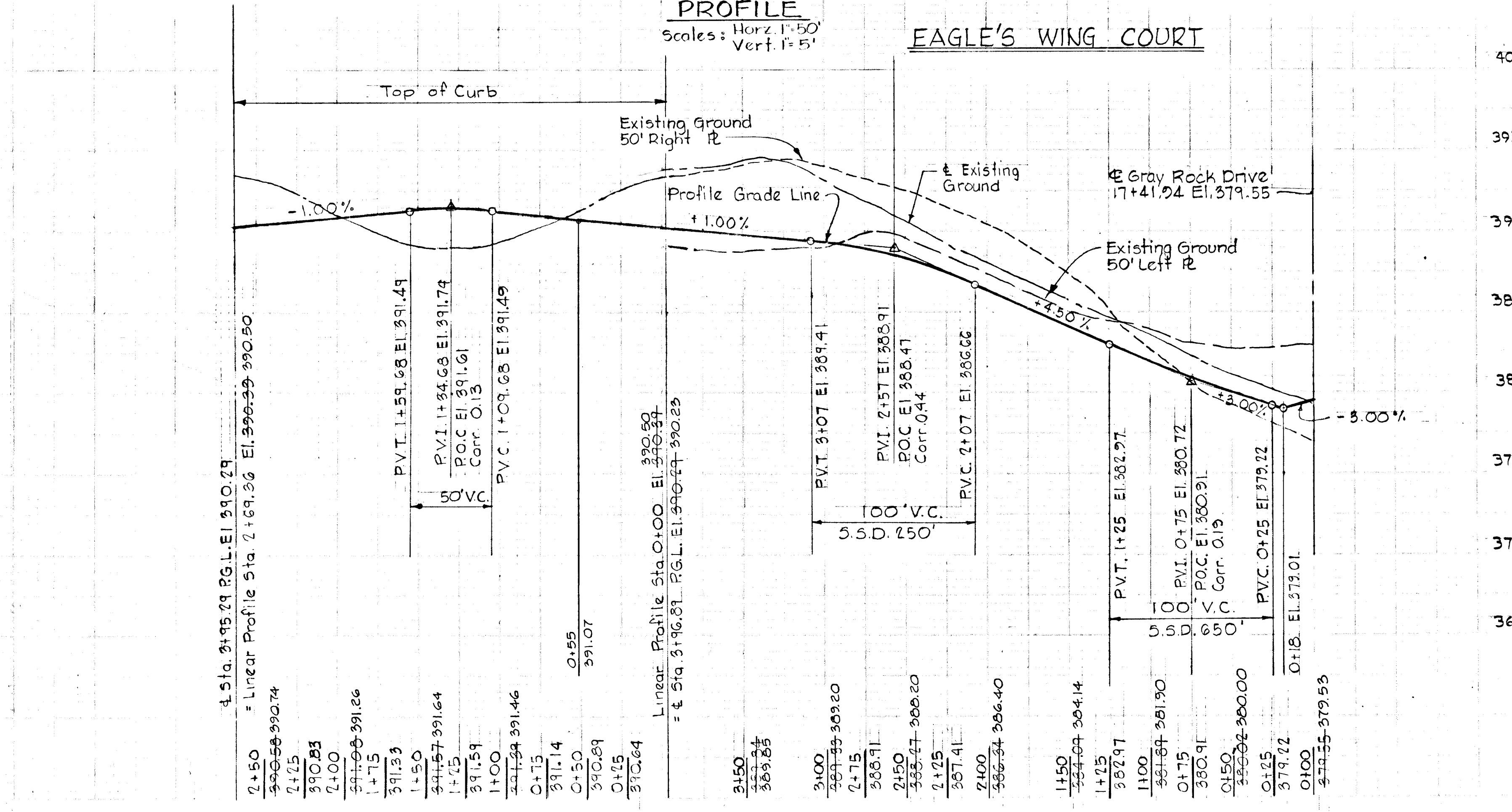
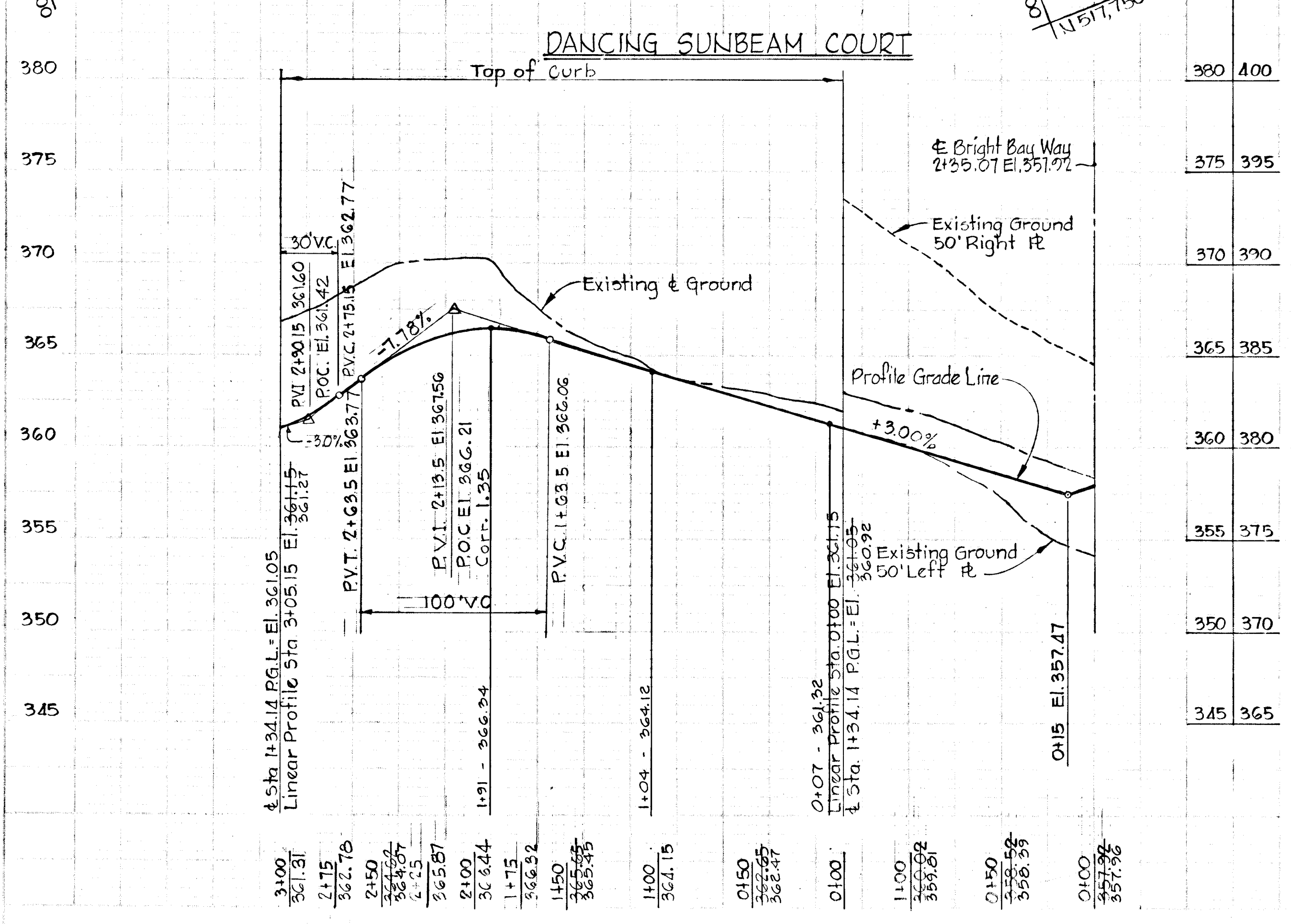


CURVE DATA

Stationing	Delta	Radius	Chord	Bearing
PC 2+75.70 To PT 3+02.47	Δ = 32°08'30"	R = 150.00'	Ch = 85.56'	Brg = N83°57'06"W
PC 17+35 To PT 2+53.23	Δ = 17°32'01"	R = 600.00'	Ch = 182.01'	Brg = S88°14'40"W

PLAN
 Scale: 1" = 50'

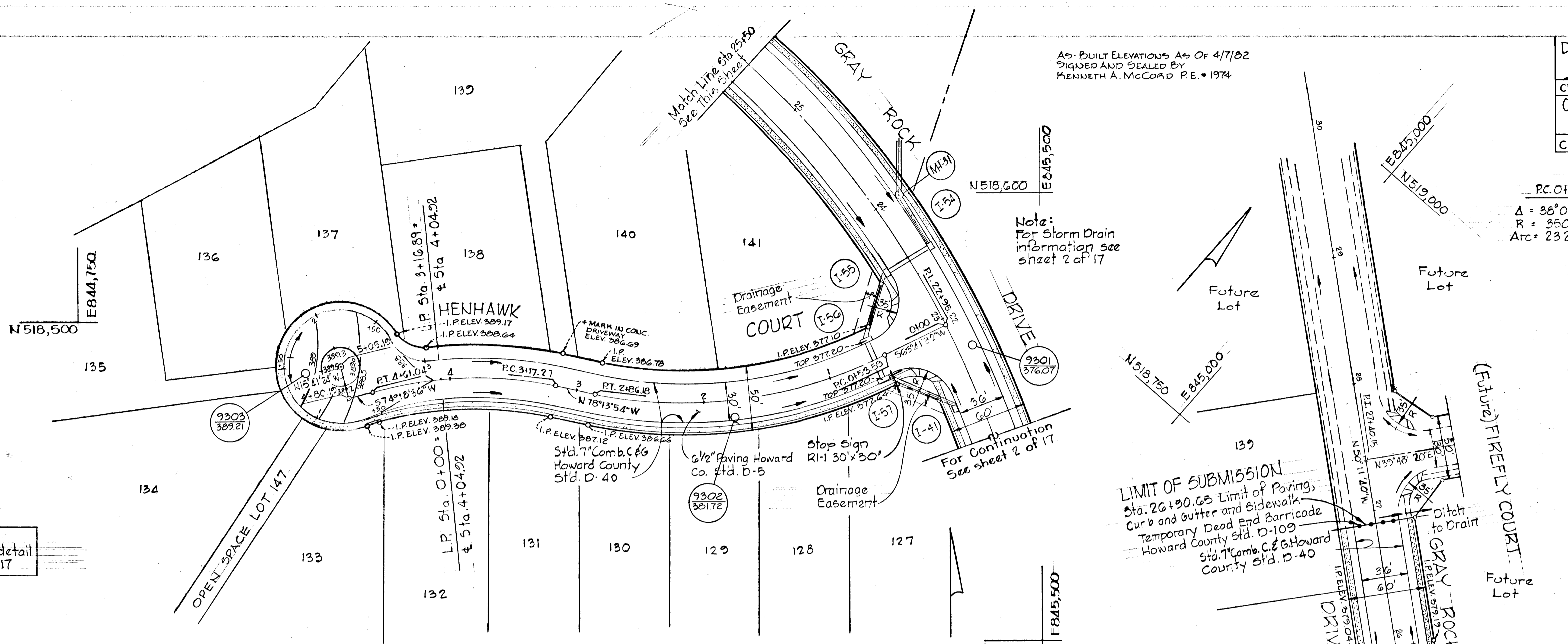
NOTE:
 PAVING WIDTH = 2'-30"
 LENGTH OF ROAD = 683'
 4" SEWER M.S. IN R/W



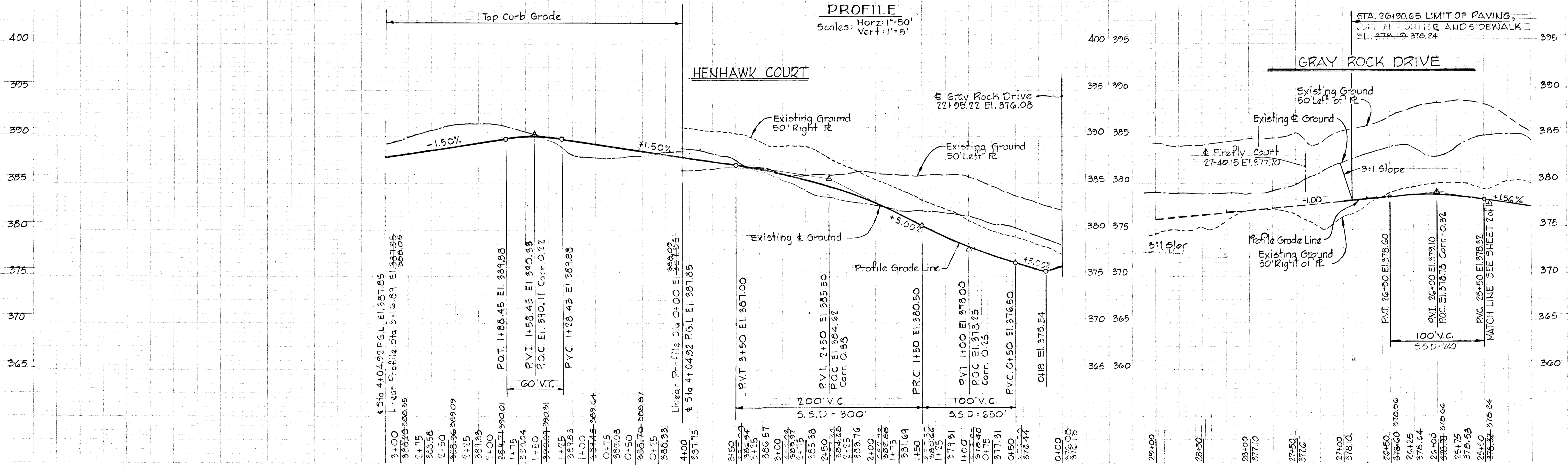
CURVE DATA

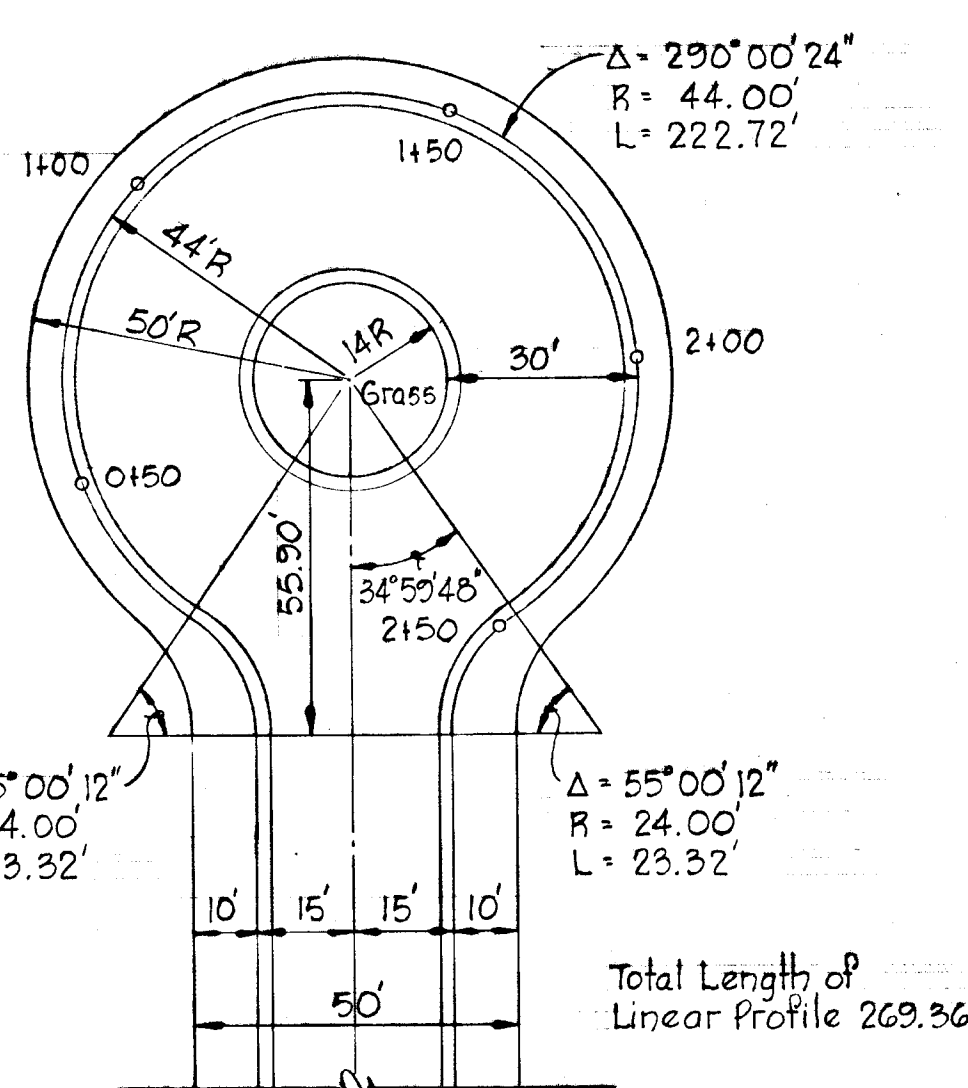
PC. 0+53.59 to PT. 2+86.18	PC. 2+17.27 to PT. 4+61.04
$\Delta = 38^{\circ}04'34''$	$\Delta = 27^{\circ}27'30''$
$R = 350.00'$	$R = 300.00'$
$Ch. = 228.34'$	$Ch. = 142.40'$
$Arc = 232.59'$	$Arc = 143.77'$
$Brg. = 58^{\circ}45'49''W$	$Brg. = 58^{\circ}02'21''W$

Note
 For Cul-de-sac detail
 see sheet 9 of 17

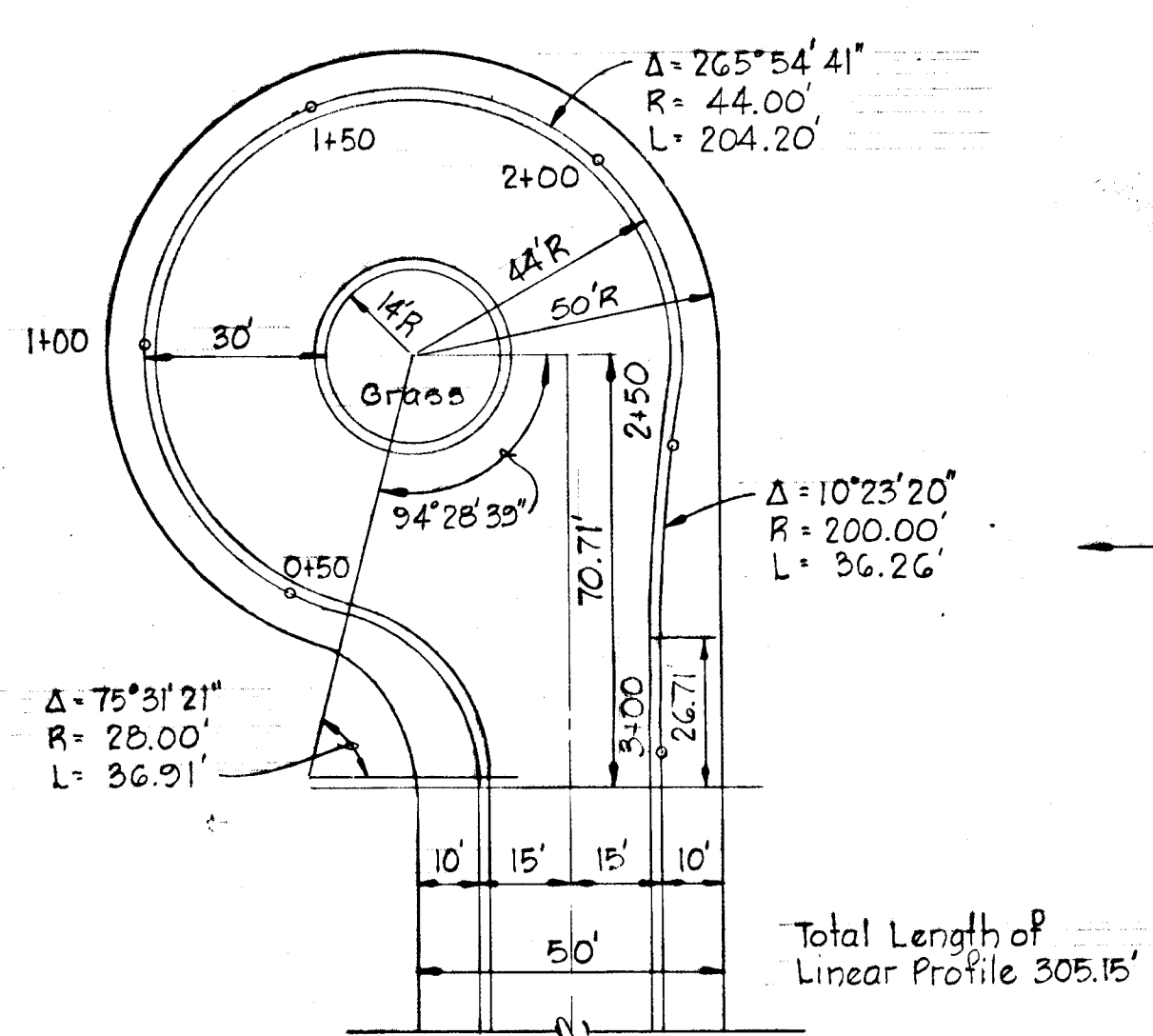


Rev. Date	Rev. No.	Revision Description
		DORSEY HALL 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
		OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.
		PROJECT AREA SECTION 1 AREA 3
		PROJECT TITLE PLAN AND PROFILE HENHAWK COURT GRAY ROCK DRIVE Sta. 25+50 To STA. 26+90.65
		SCALE: AS SHOWN DATE
		WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202
		<i>Kenneth A. McCord</i> KENNETH A. MCCORD Registered Engineer No. 1974

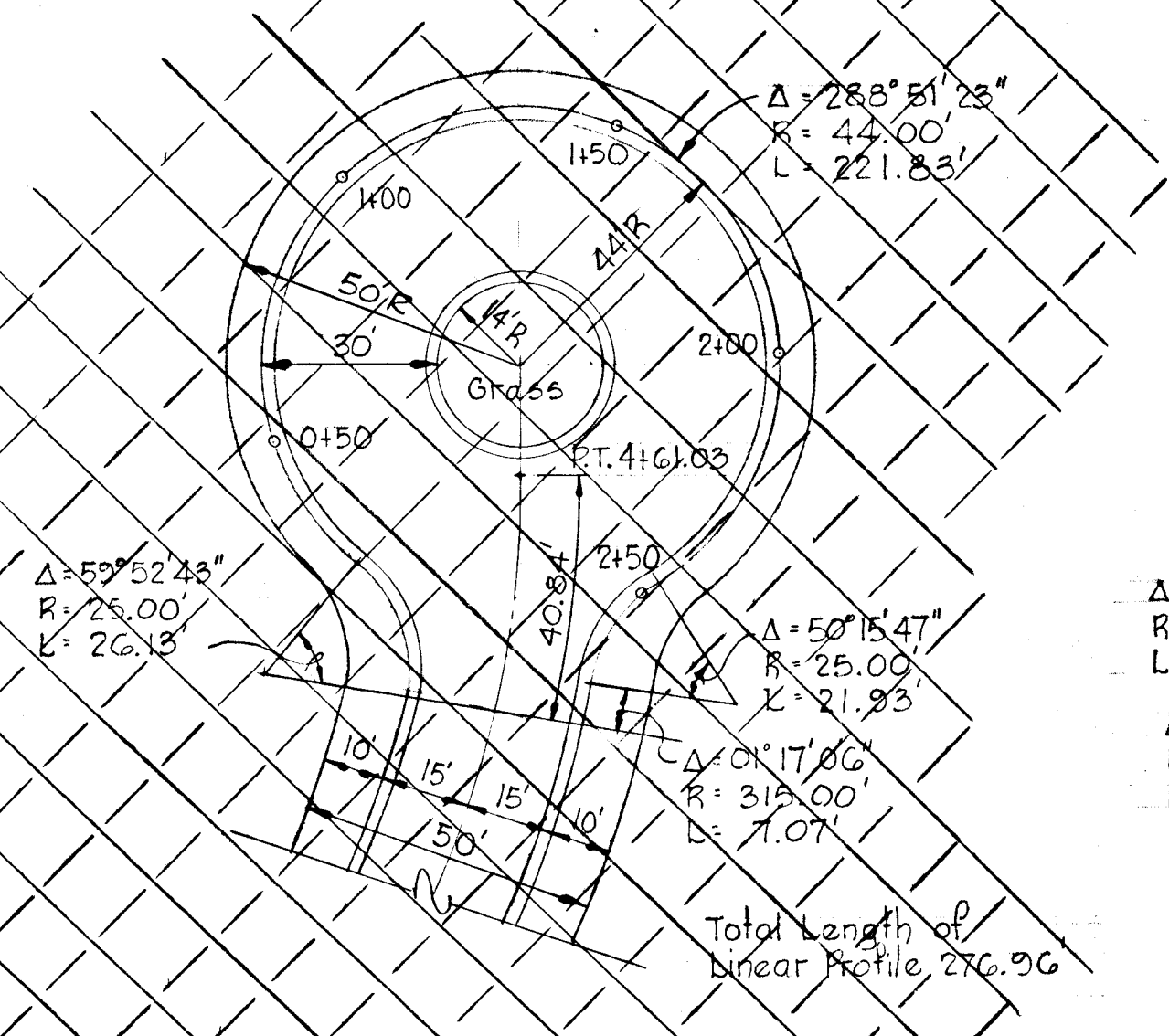




BRIGHT BAY WAY (SOUTH END)
 COATTAIL COURT
 EAGLE'S WING COURT

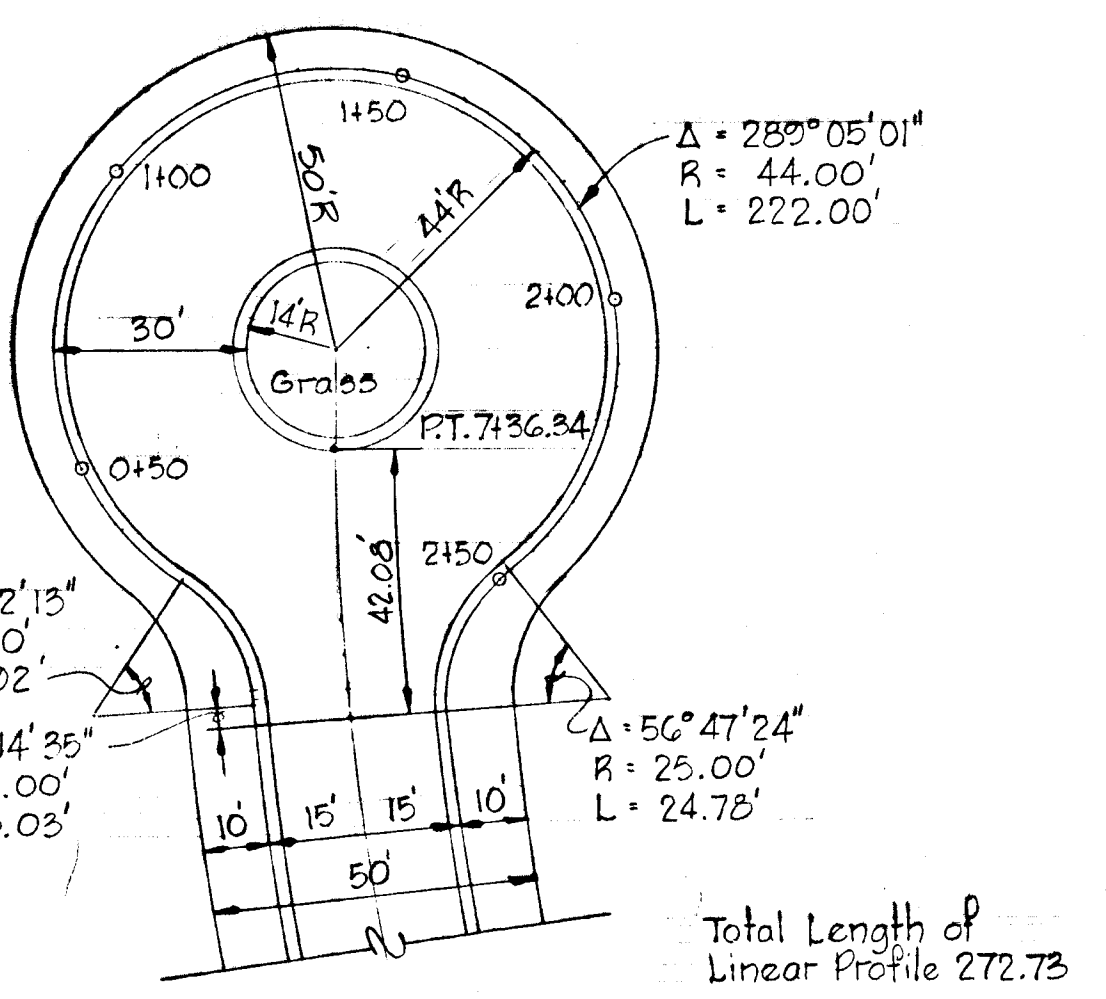


DANCING SUNBEAM COURT

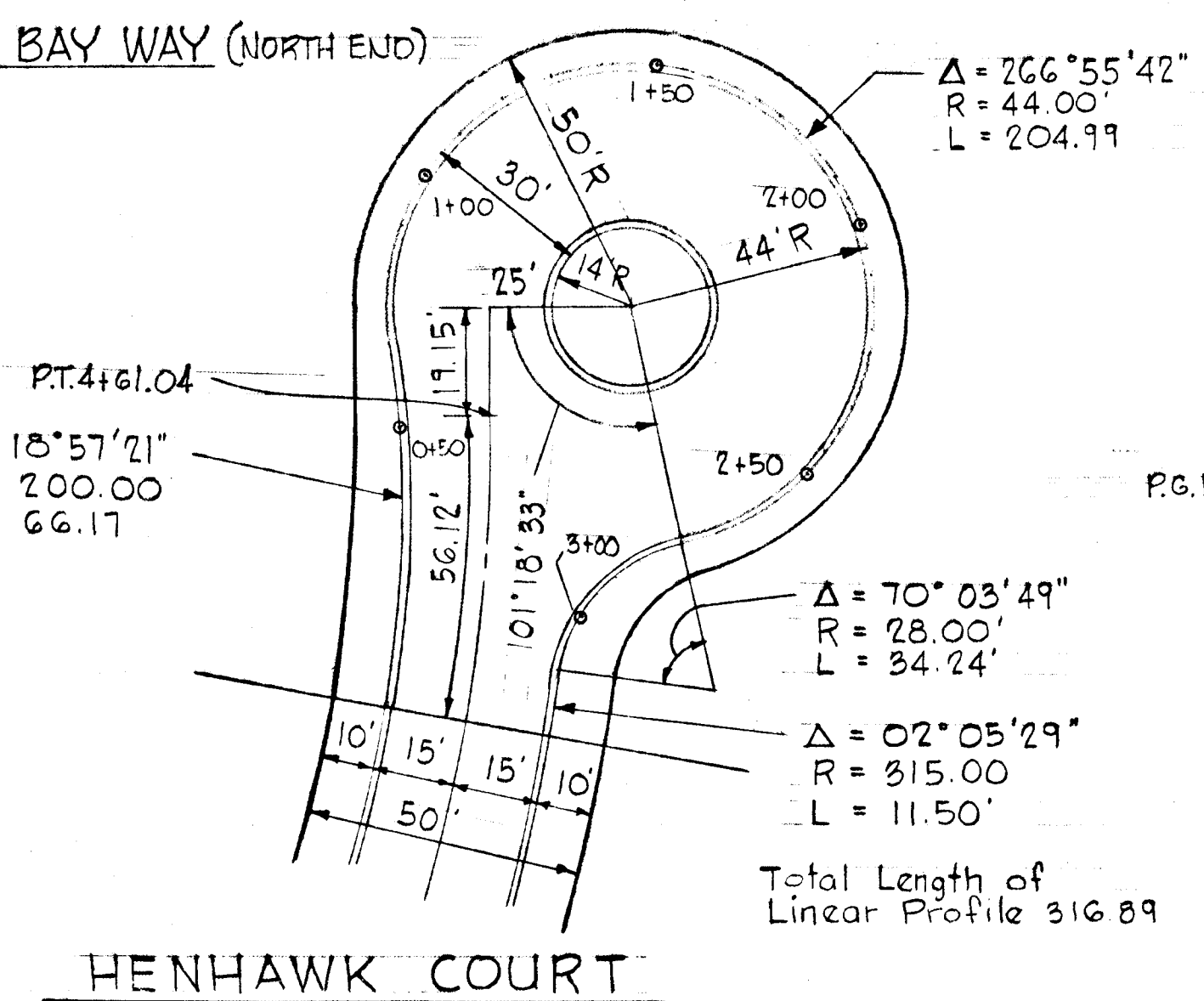


HENHAWK COURT
 CUL-DE-SAC DETAILS
 Scale 1" = 30'

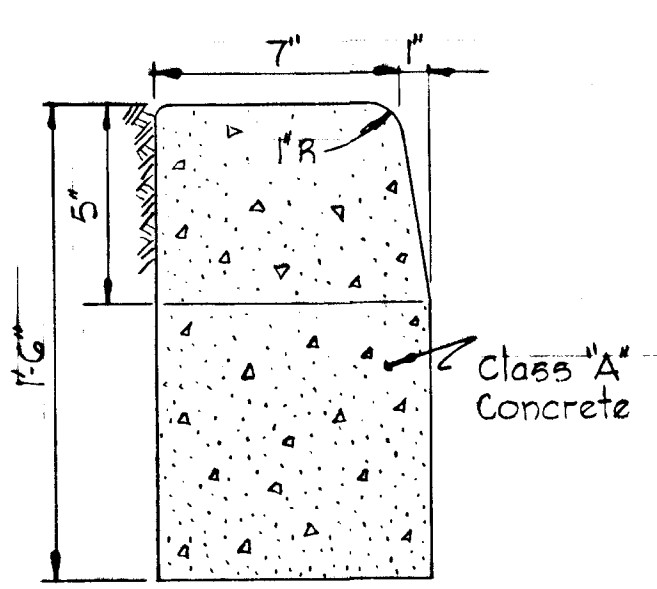
- NOTES:
 1. All dimensions are to back of curb.
 2. See plan for sidewalk locations.
 3. Paving is 6 1/2" Bituminous Concrete or Alternate As Shown.
 4. Standard 7" Combination Curb and Gutter shall be used on all cul-de-sacs.



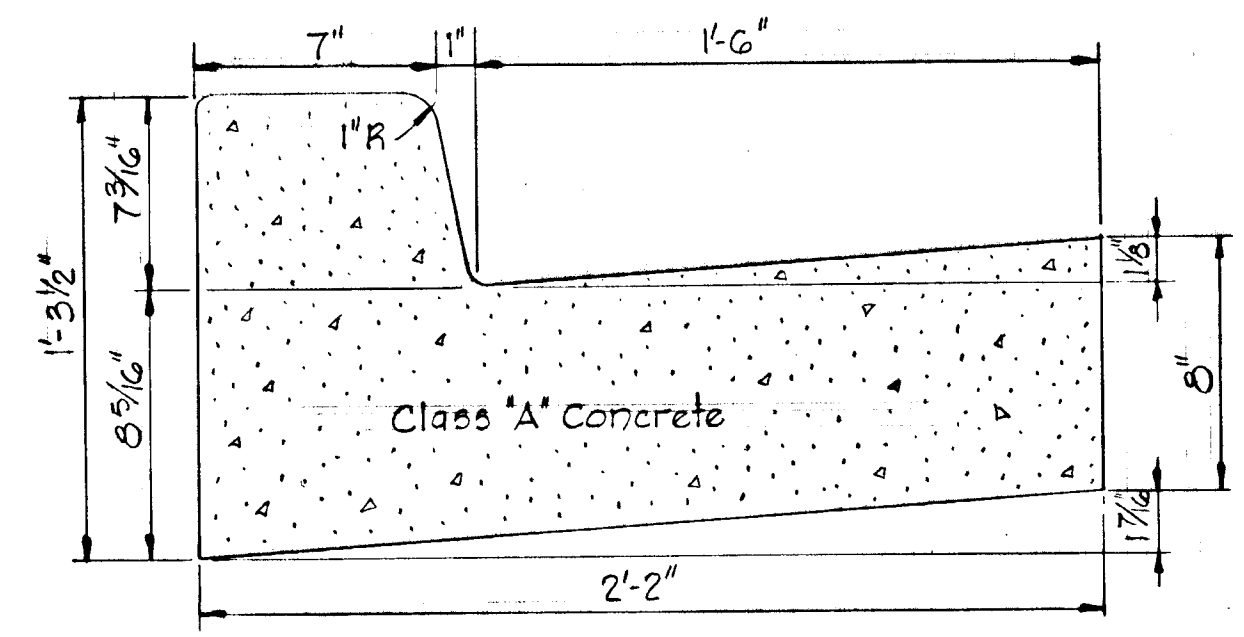
BRIGHT BAY WAY (NORTH END)



HENHAWK COURT

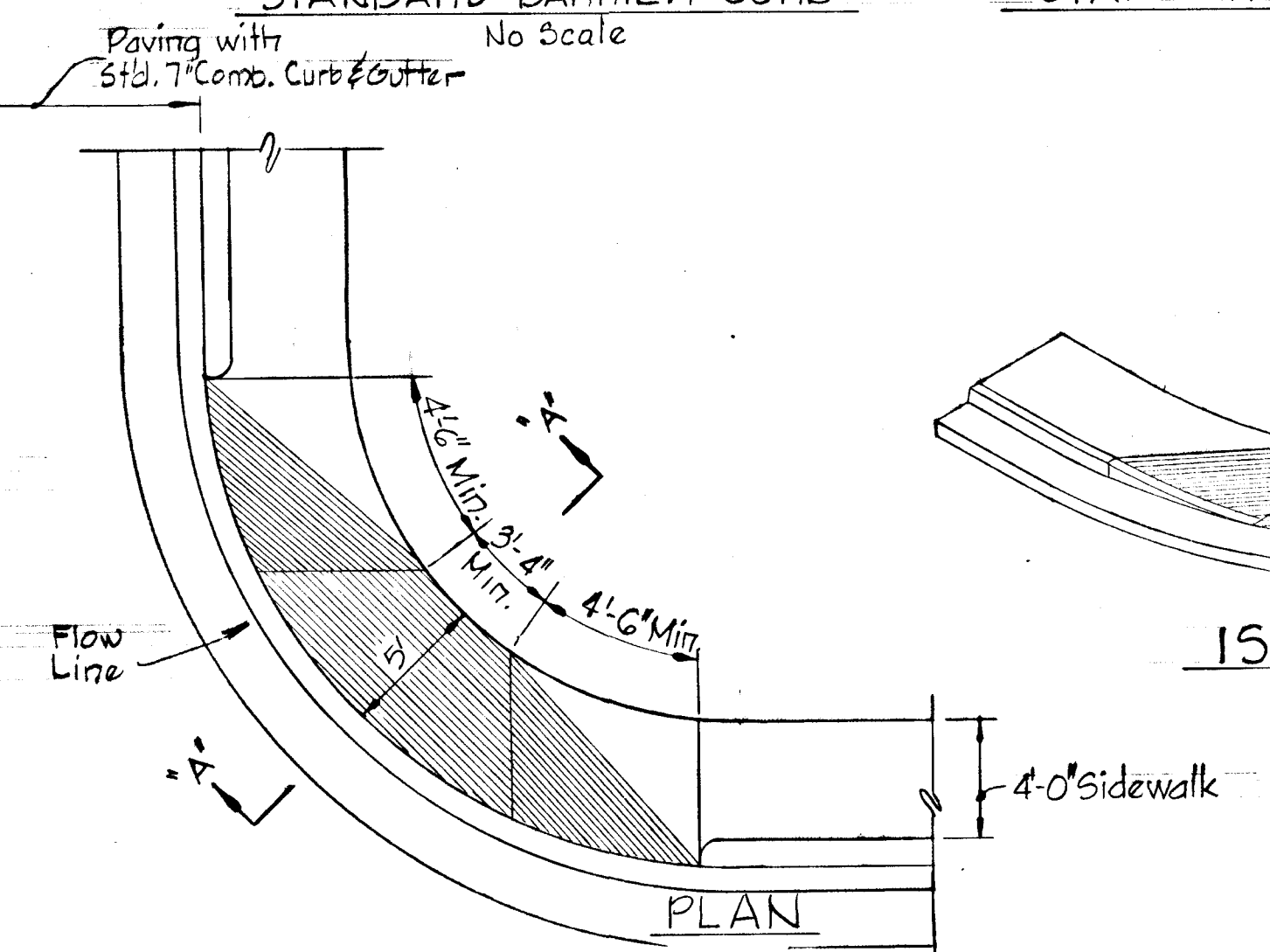


STANDARD BARRIER CURB
 No Scale

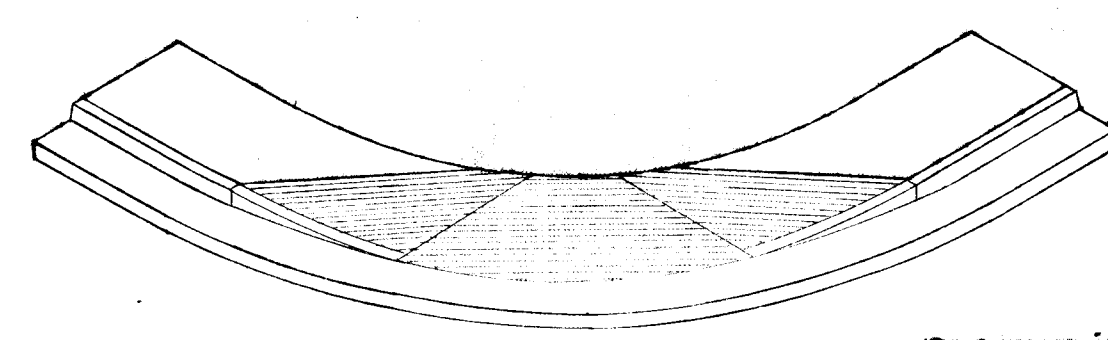


STANDARD 7" COMBINATION CURB & GUTTER
 No Scale

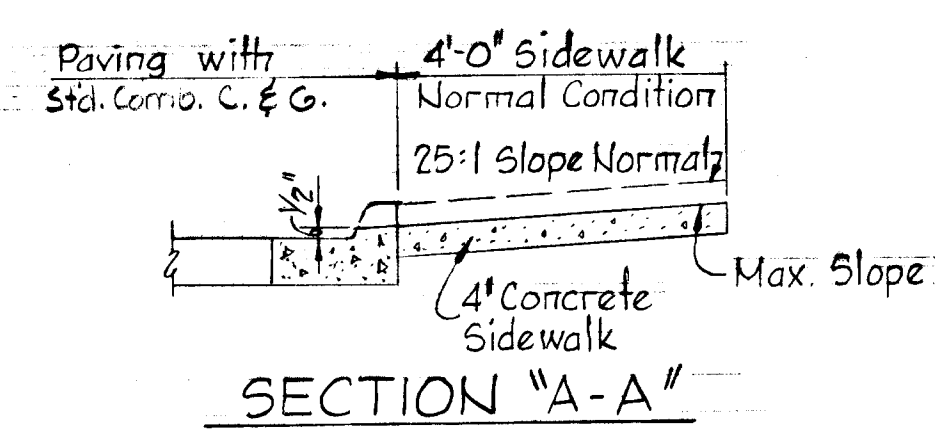
NOTE:
 ONLY ONE OF THE PAVING SECTIONS SHOWN SHALL BE USED FOR THE ROAD CONSTRUCTION PROPOSED UNDER THIS SUBMISSION.



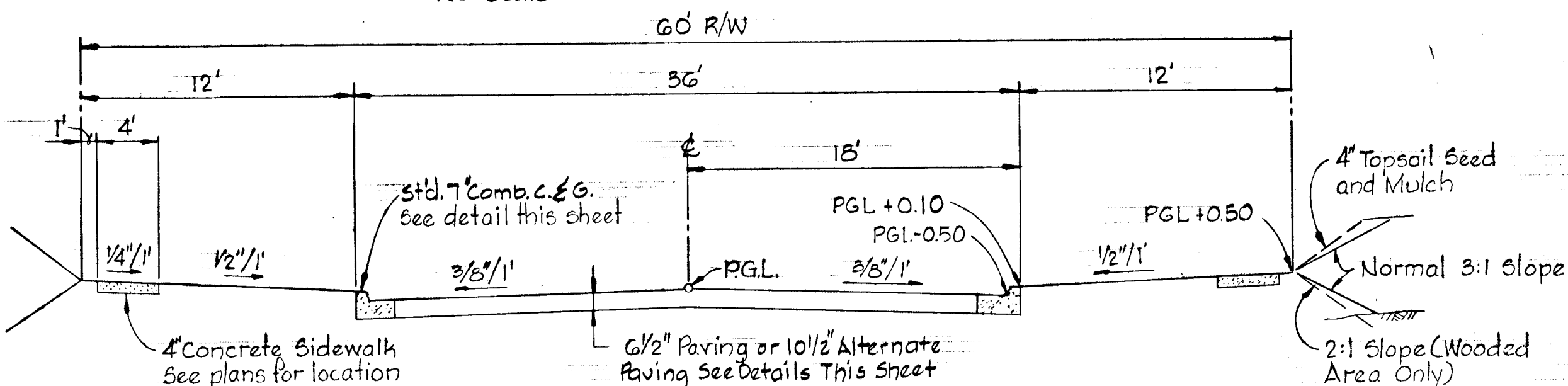
DETAIL SIDEWALK RAMP
 No Scale



ISOMETRIC

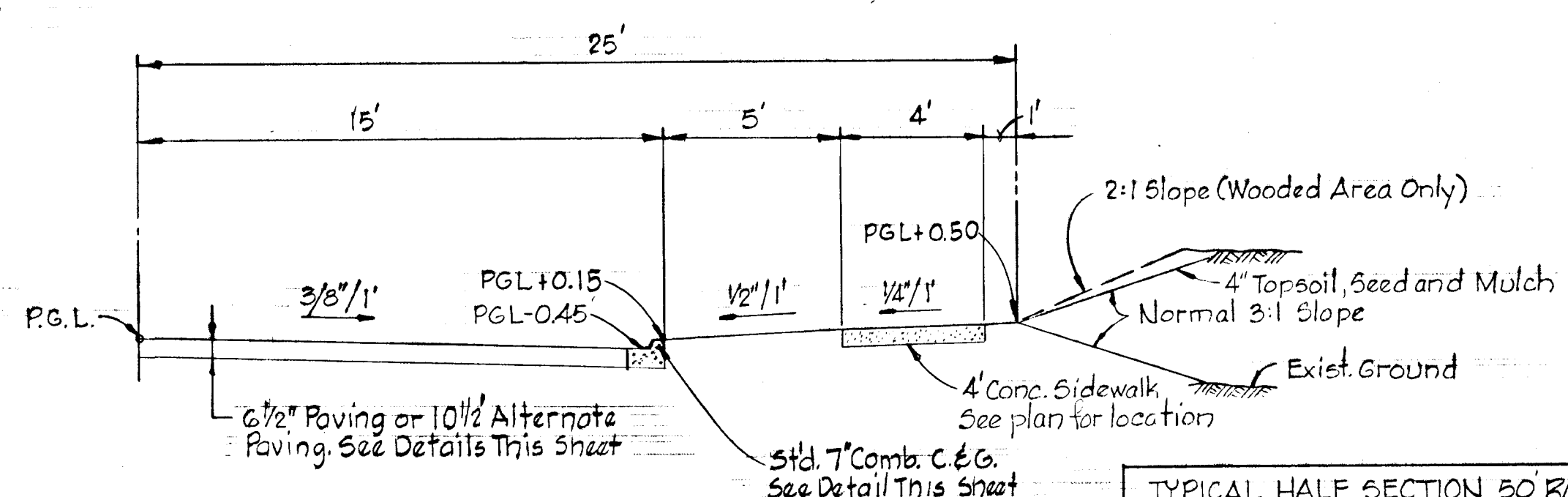


SECTION "A-A"



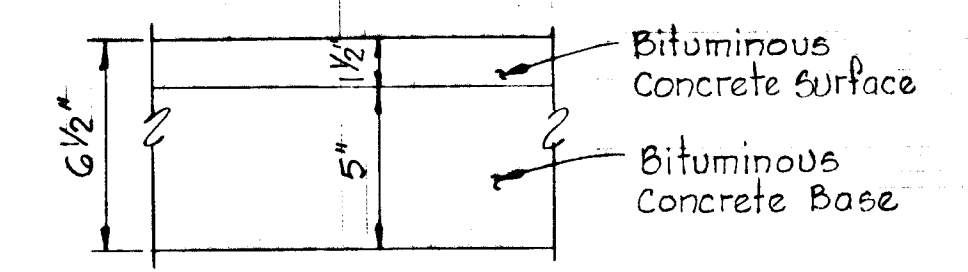
GRAY ROCK DRIVE
 STA. 12+40 TO STA. 28+00
 No Scale

TYPICAL HALF SECTION 60' R/W APPLIES TO:
 GRAY ROCK DRIVE 12+40 TO 27+00.15
 DESIGN SPEED 35 M.P.H.
 ZONING 16 R-20

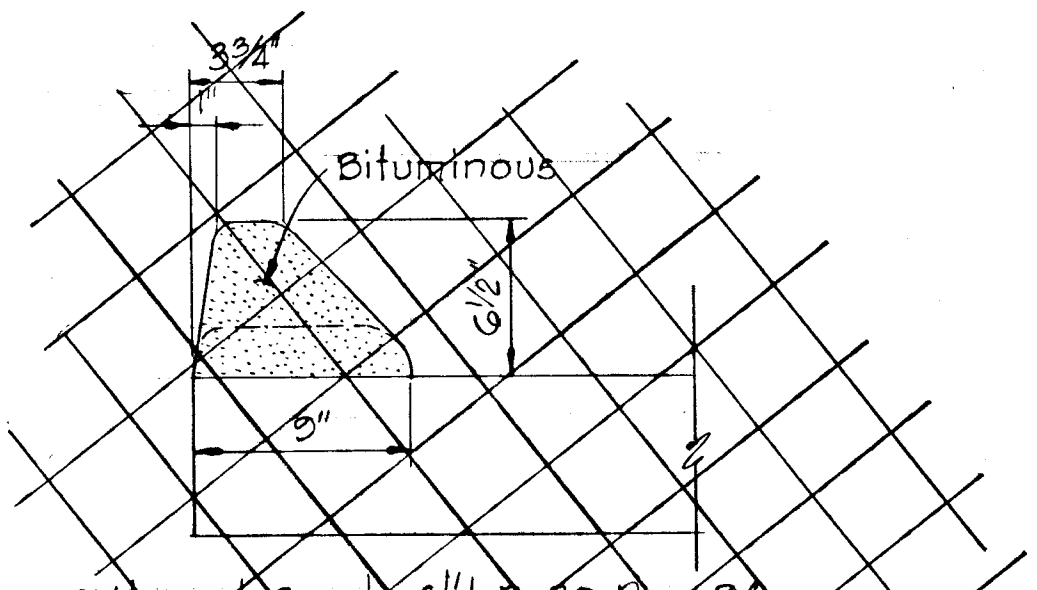


TYPICAL HALF SECTION
 50' R/W - 30' ROADWAY
 Scale: 1/4" = 1'-0"

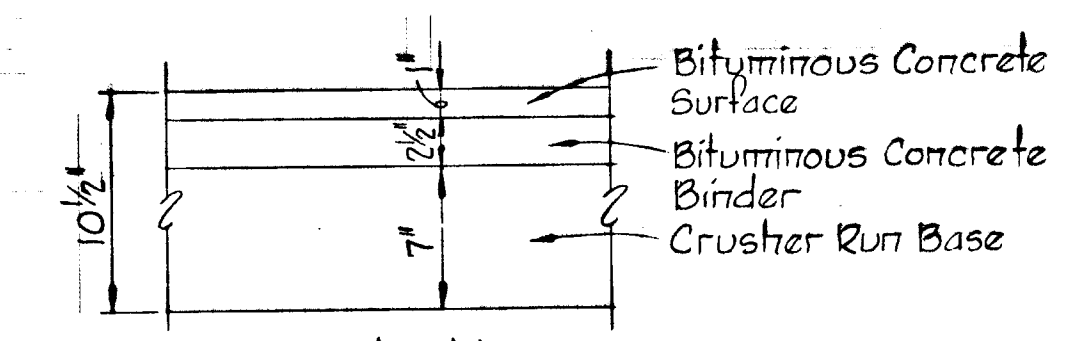
TYPICAL HALF SECTION 50' R/W APPLIES TO:
 COATTAIL COURT 0+00 TO 2+00.36
 RED BANDANA WAY 0+00 TO 7+00
 EAGLE'S WING COURT 0+00 TO 3+00.89
 HENHAWK COURT 0+00 TO 4+00.31
 SUNLIT PASSAGE 0+00 TO 4+03.81
 BRIGHT BAY WAY 0+00 TO 8+21.21
 BRIGHT BAY WAY 0+00 TO 8+21.21
 DANCING SUNBEAM COURT 0+00 TO 1+34.14
 DESIGN SPEED 30 M.P.H.
 ZONING 16 R-20



TYPICAL PAVING SECTION
 No Scale

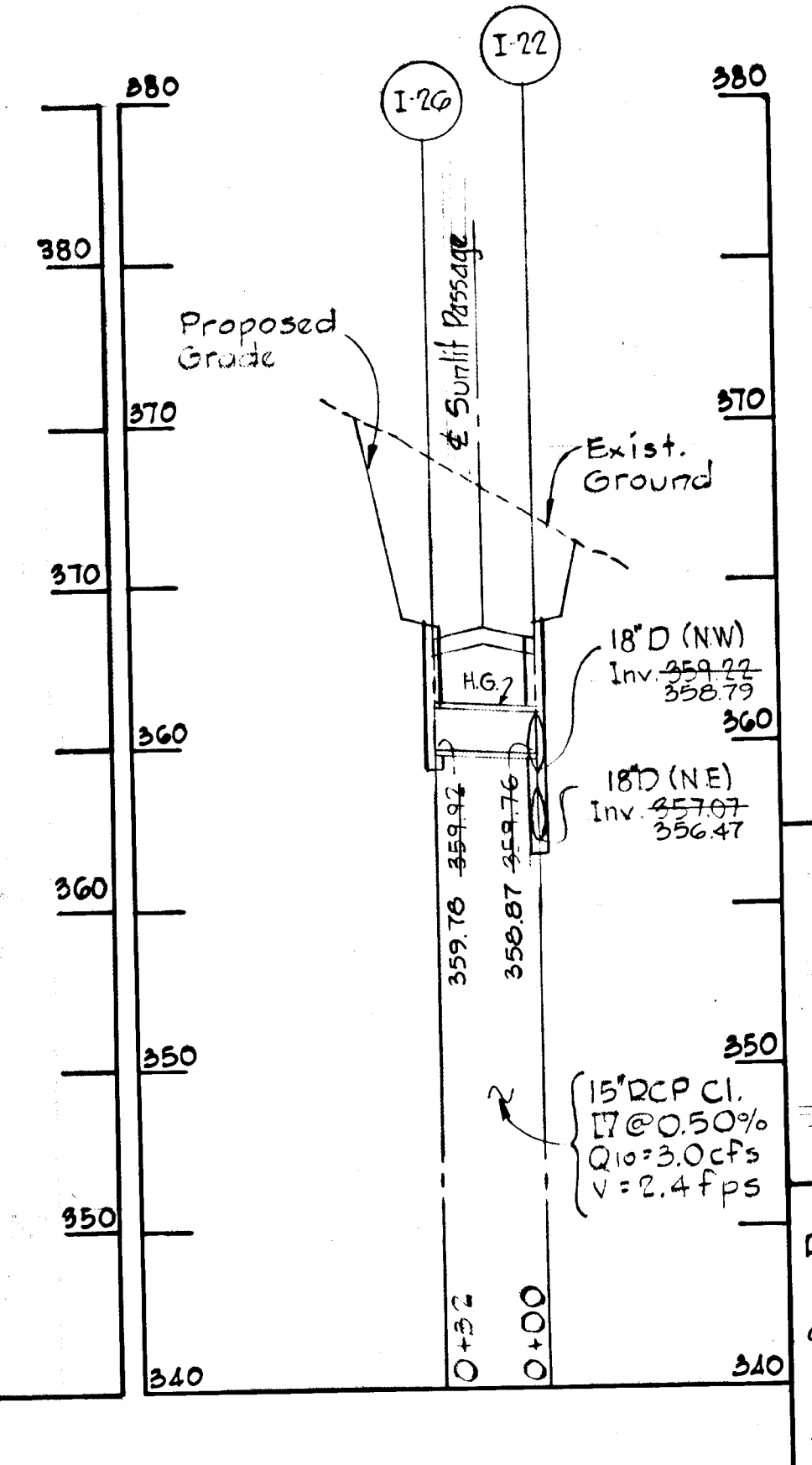
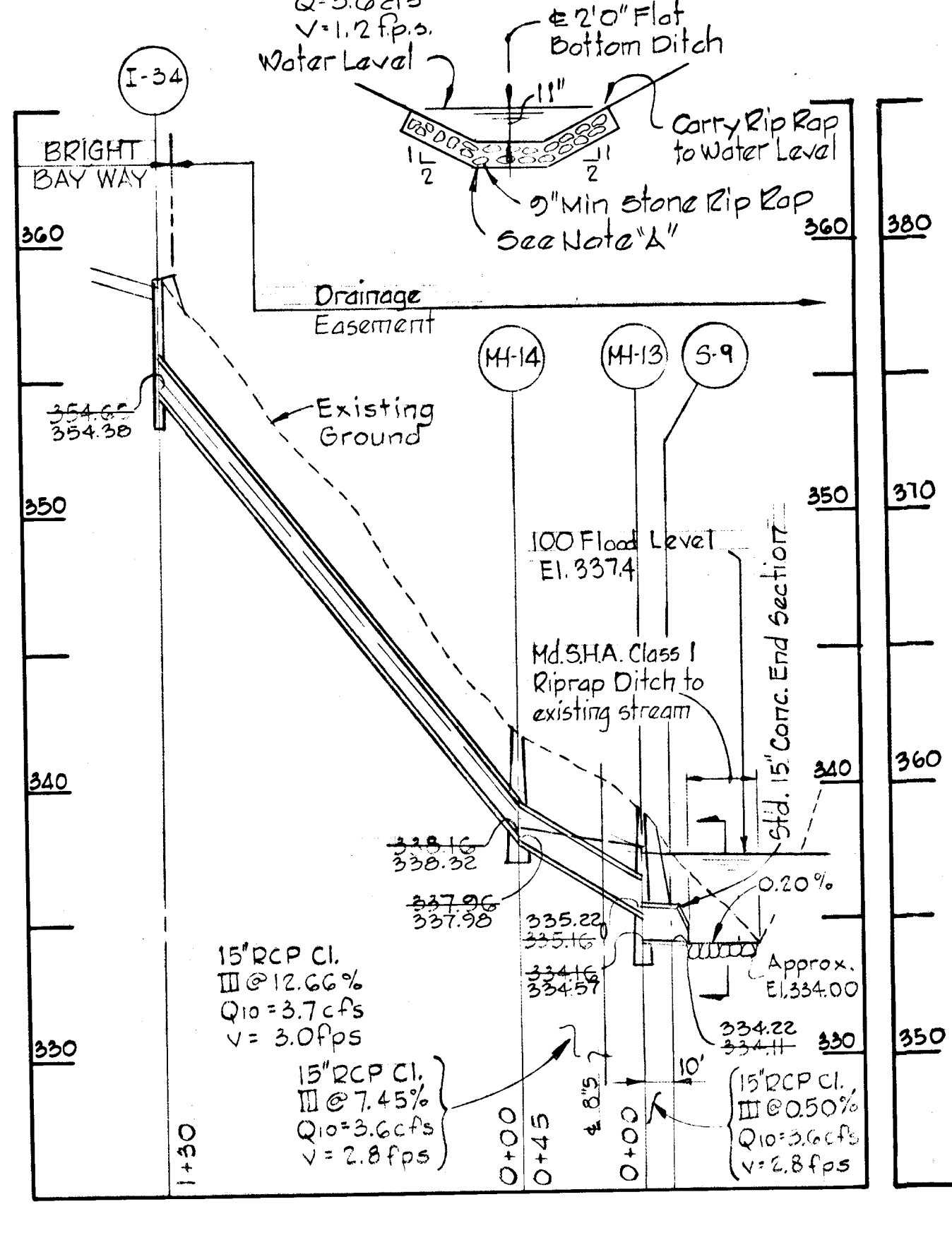
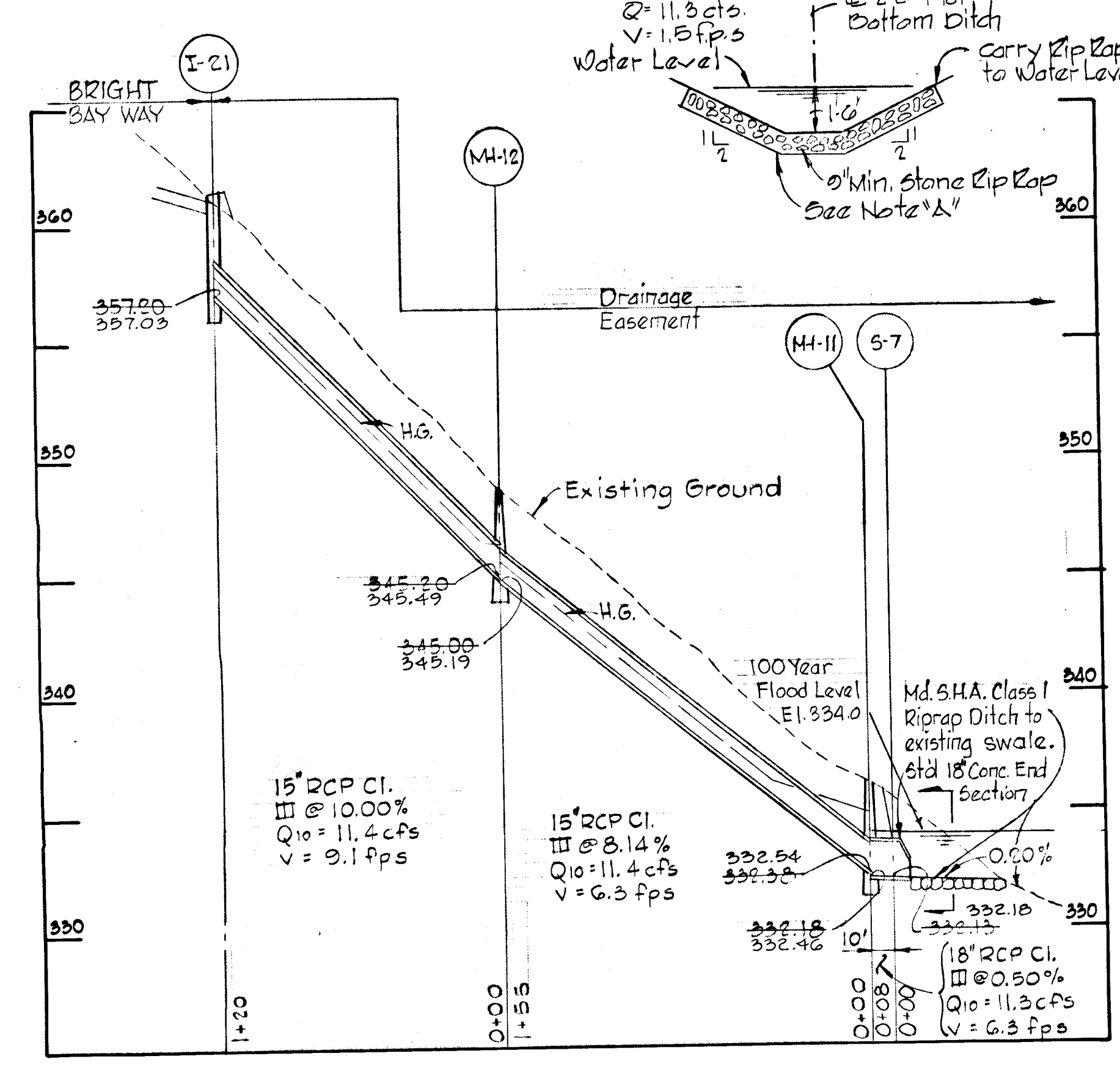
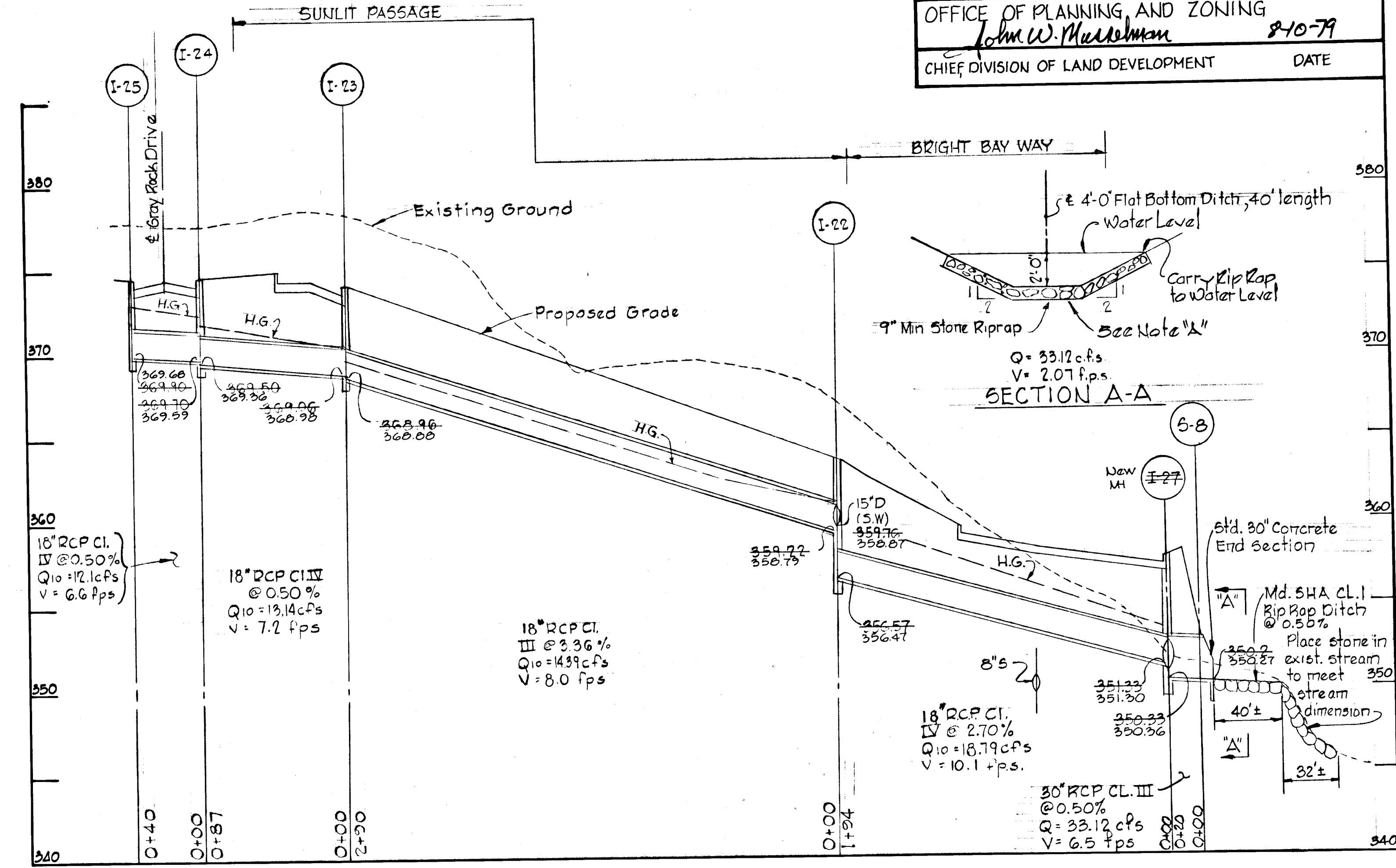
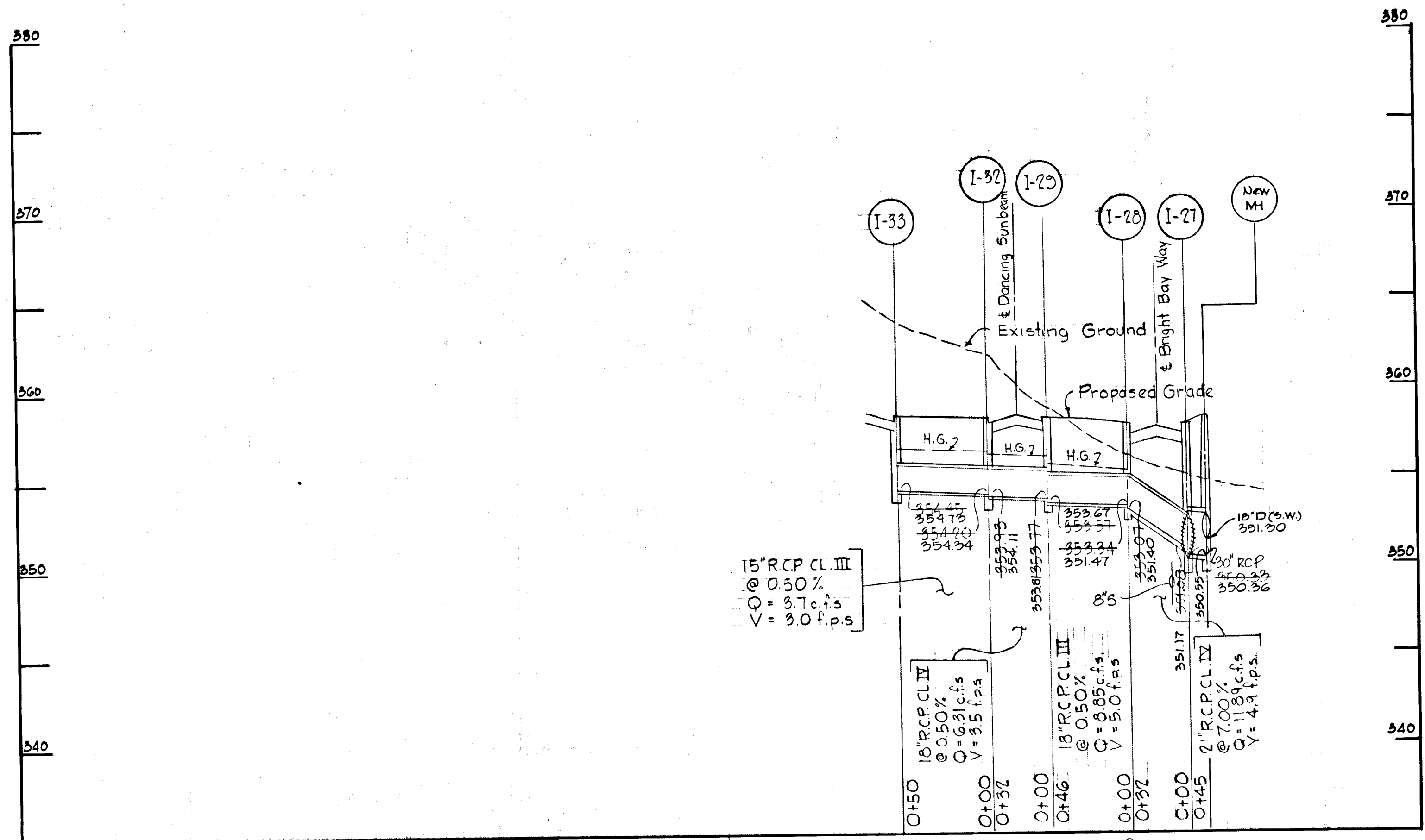


MOUNTABLE CURB SECTION
 No Scale



ALTERNATE SECTION

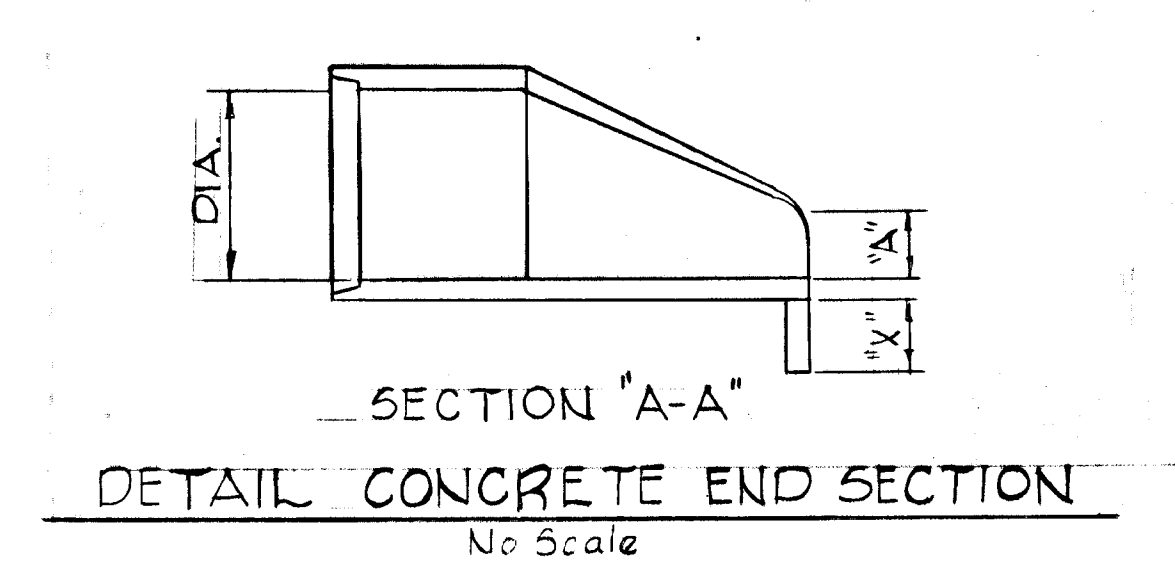
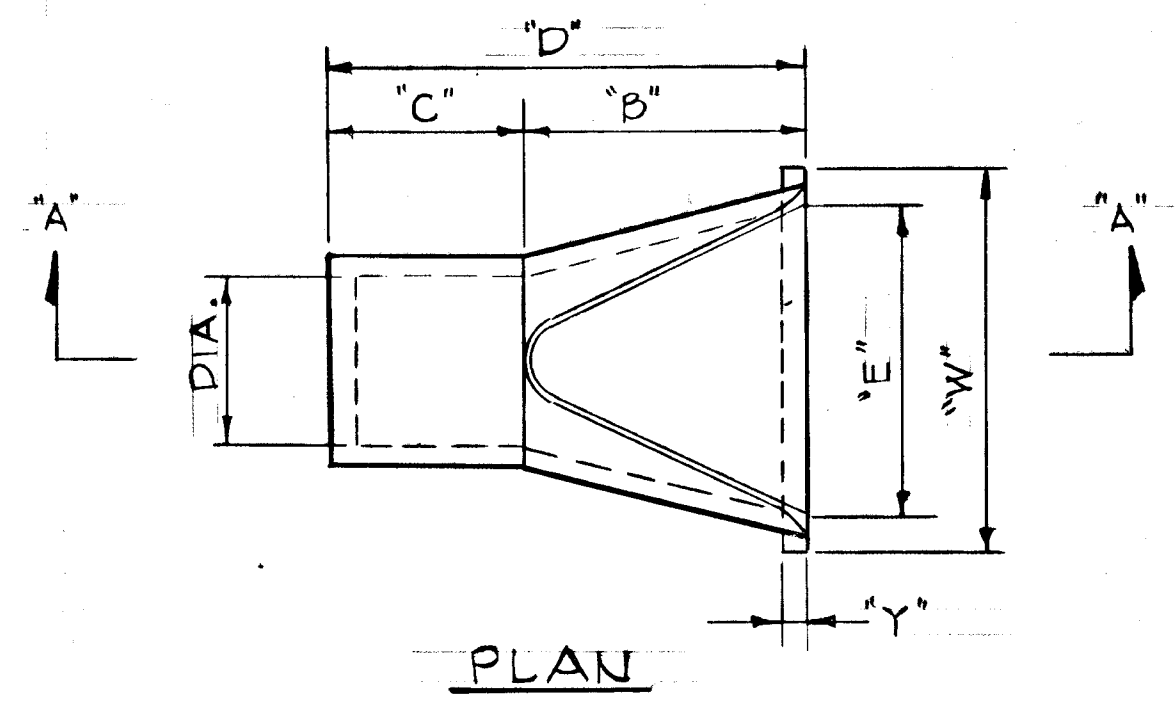
Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2 ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION 1 AREA 3		
PROJECT TITLE ROADWAY DETAILS		
SCALE: As Shown		DATE
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
<i>Kenneth A. McCord</i> KENNETH A. McCORD Registered Engineer No. 1974		



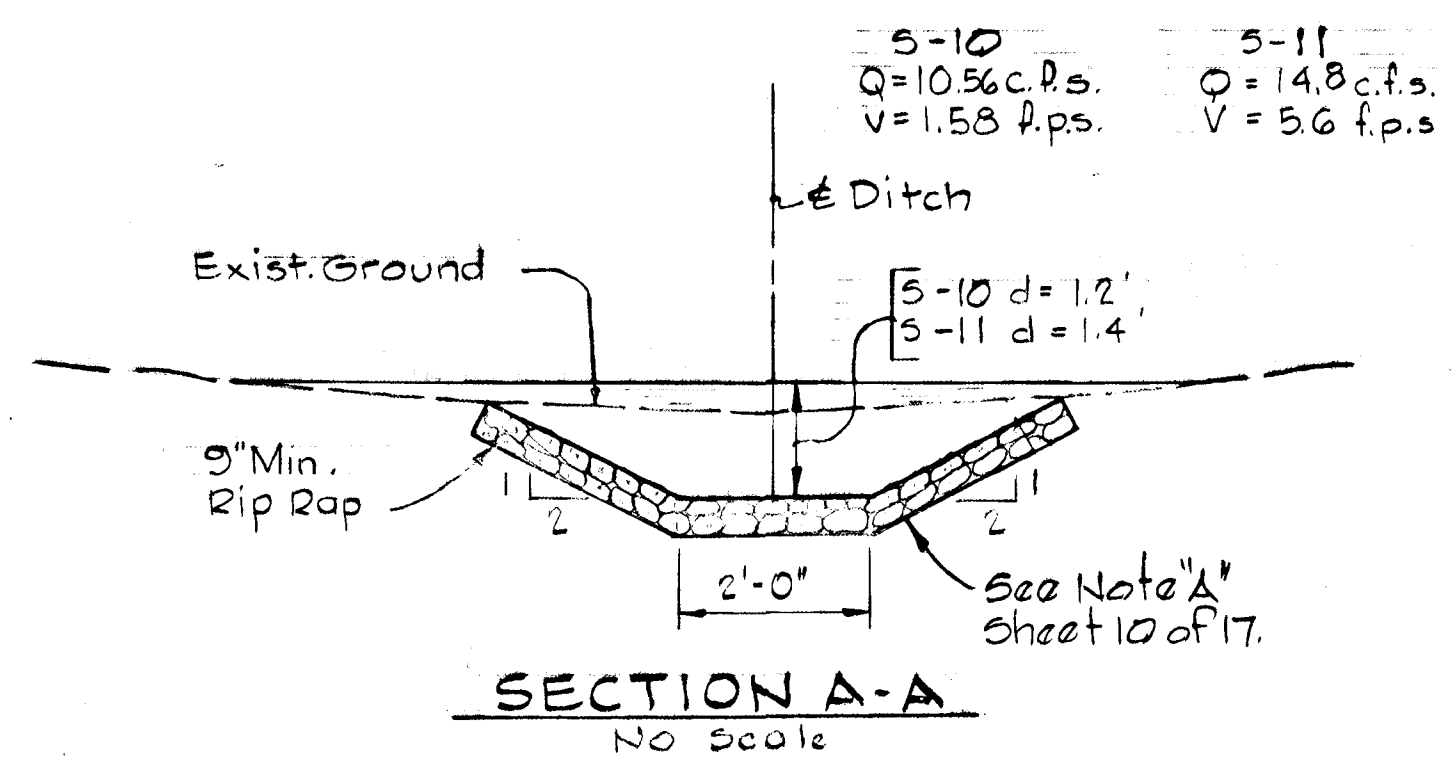
Note "A"
 Plastic Filter cloth shall be bedded and smooth surface and anchored with steel pins before placement of rip rap.

AS-BUILT ELEVATIONS AS OF 4/7/02
 SIGNED AND SEALED BY
 KENNETH A. McCORD P.E. 1974

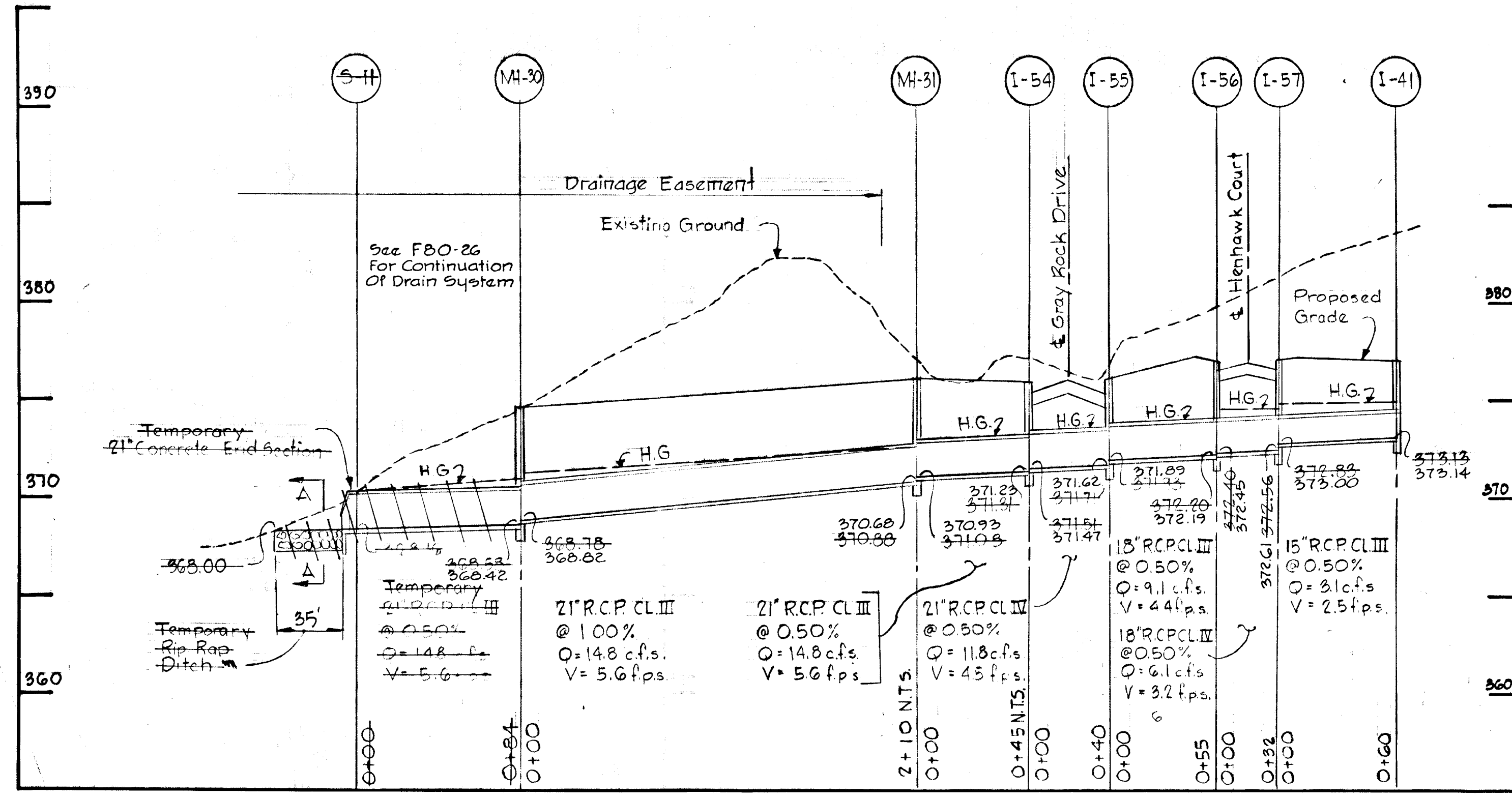
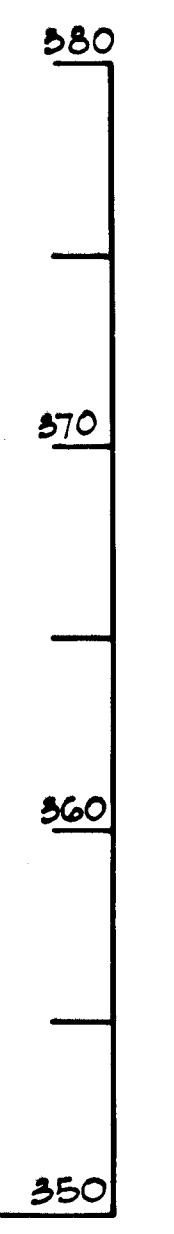
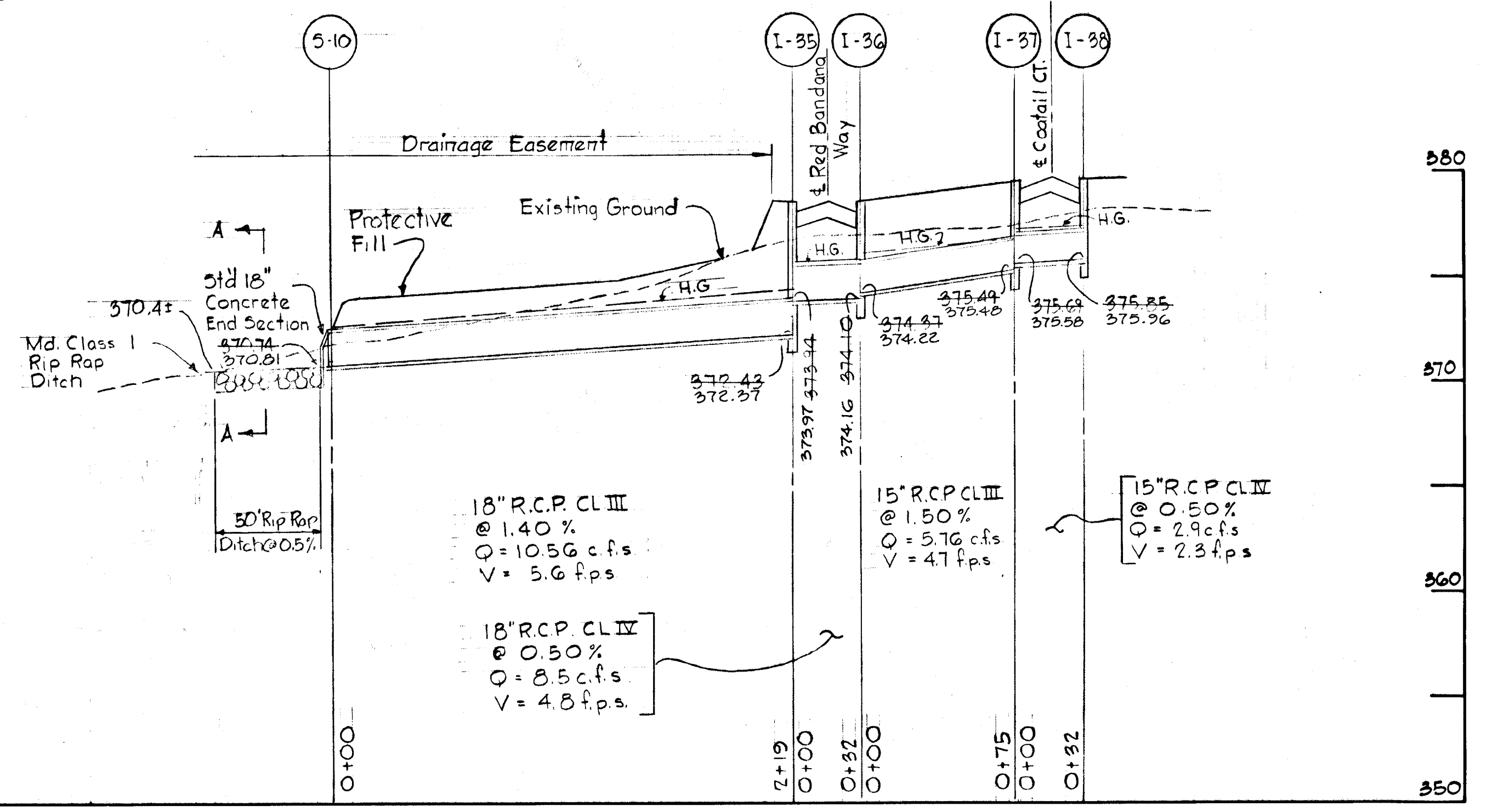
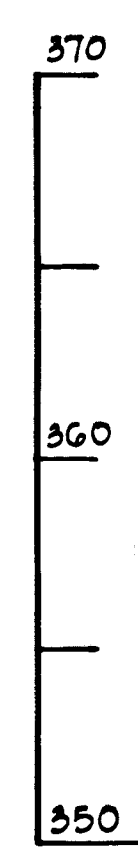
Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2 ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION I AREA 3		
PROJECT TITLE STORM DRAIN PROFILES		
SCALE: Hor. 1"=50' Vert. 1"=5'		DATE
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT Approved <i>Wm. Rowe</i> Date 8-2-79 Howard SCD		Reviewed for <i>HOWARD SCD</i> Name and meets Technical Requirements <i>Wm. Rowe</i> Date 8/2/79 Signature U.S. Soil Conservation Service
Signature <i>Kenneth A. McCord</i> KENNETH A. McCORD Registered Engineer No. 1974		



CONCRETE END SECTION		FOOTER						
DIA	A	B	C	D	E	W	X	Y
15"	0'	2'-3"	3'-10"	6'-1"	2'-6"	3'-6"	12"	9"
18"	0'	2'-3"	3'-10"	6'-1"	3'-0"	4'-0"	12"	9"
24"	0 1/2'	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	5'-0"	15"	9"
30"	1'-0"	4'-6"	1'-7 1/2"	6'-1 1/2"	5'-0"	6'-0"	15"	9"

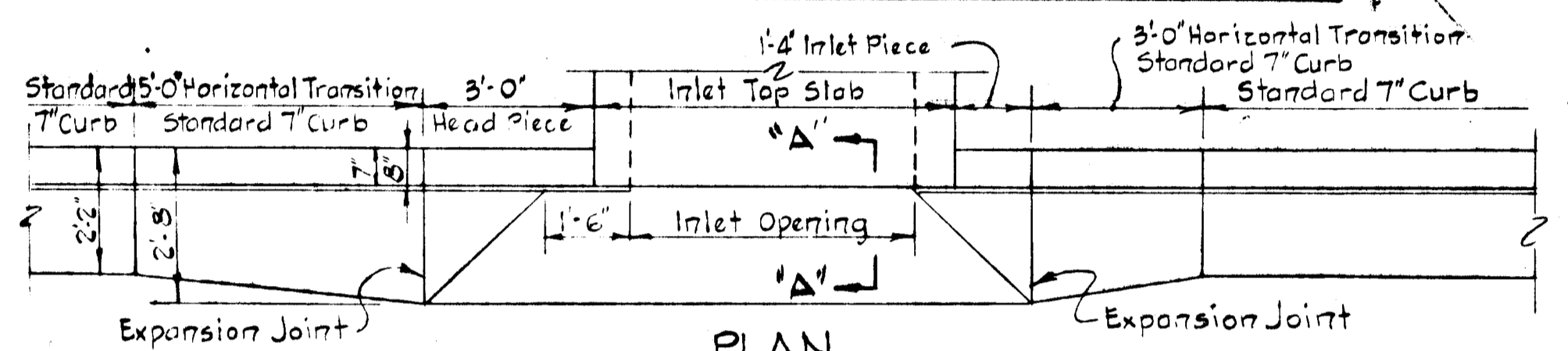
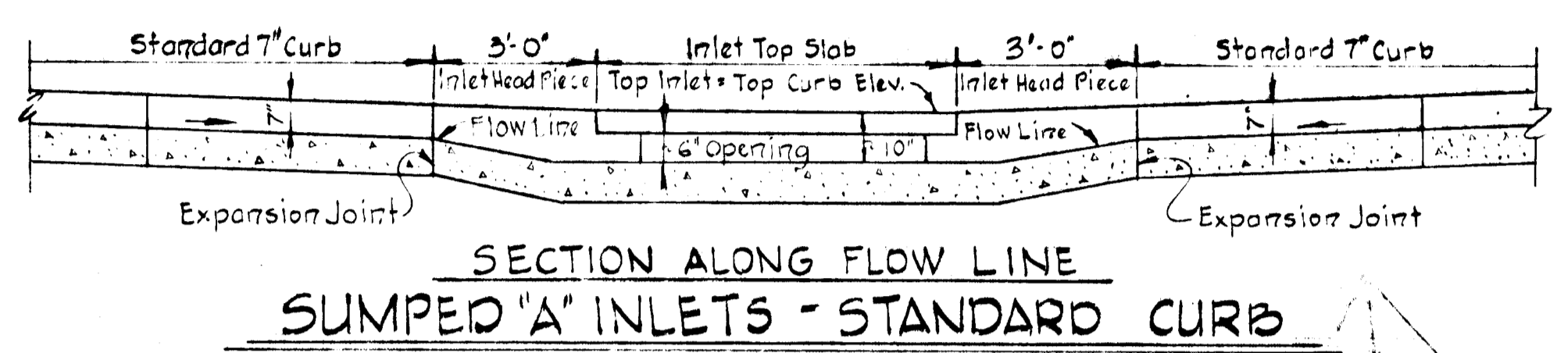
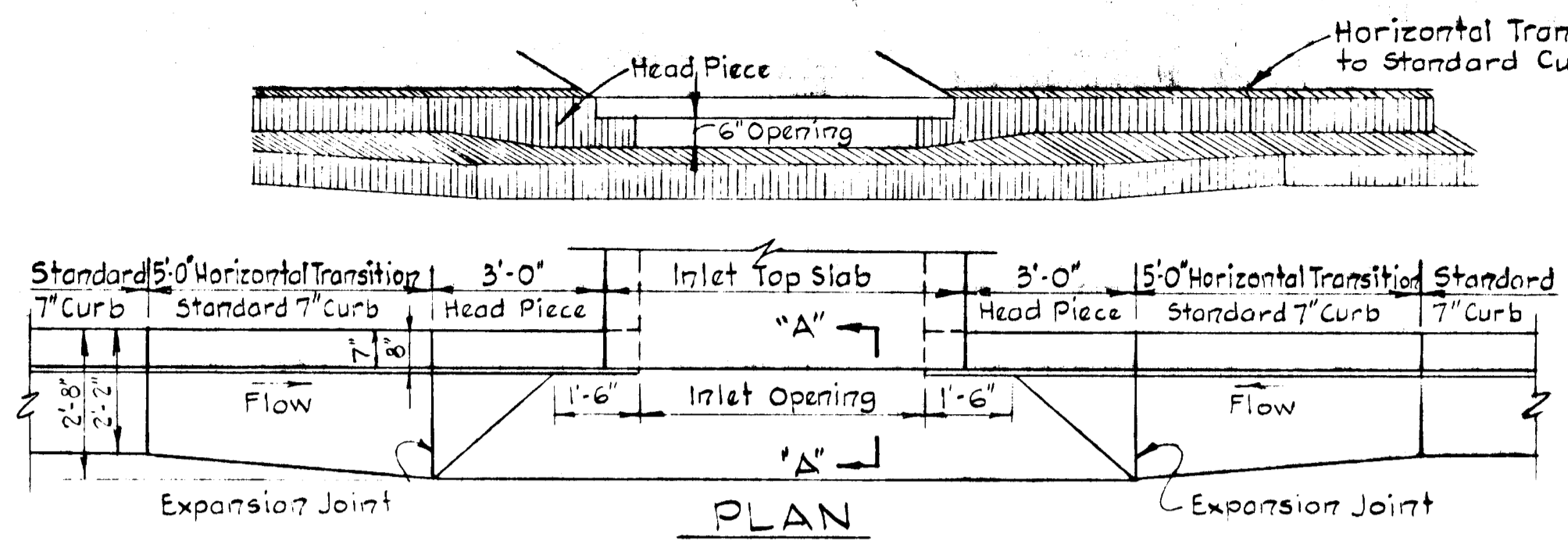


SECTION A-A
No Scale

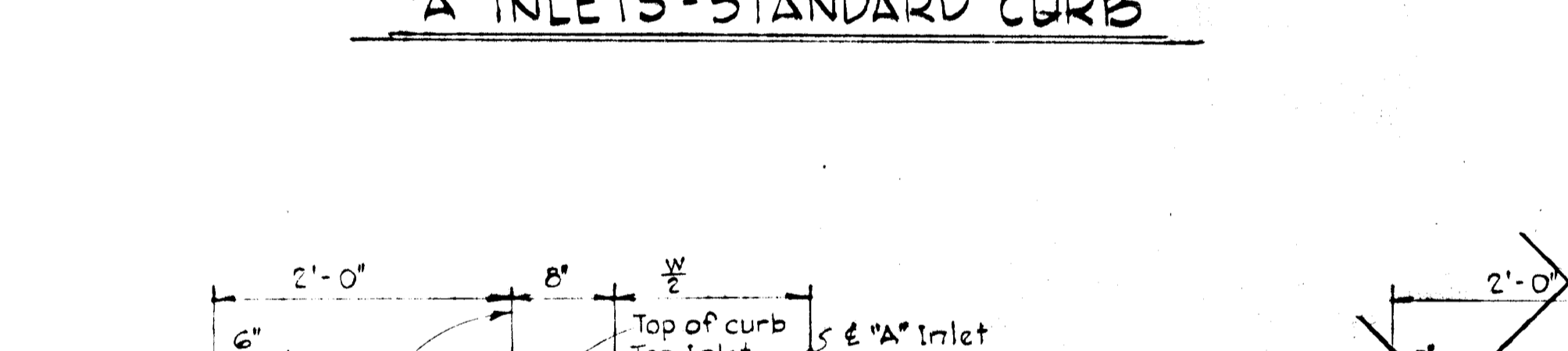
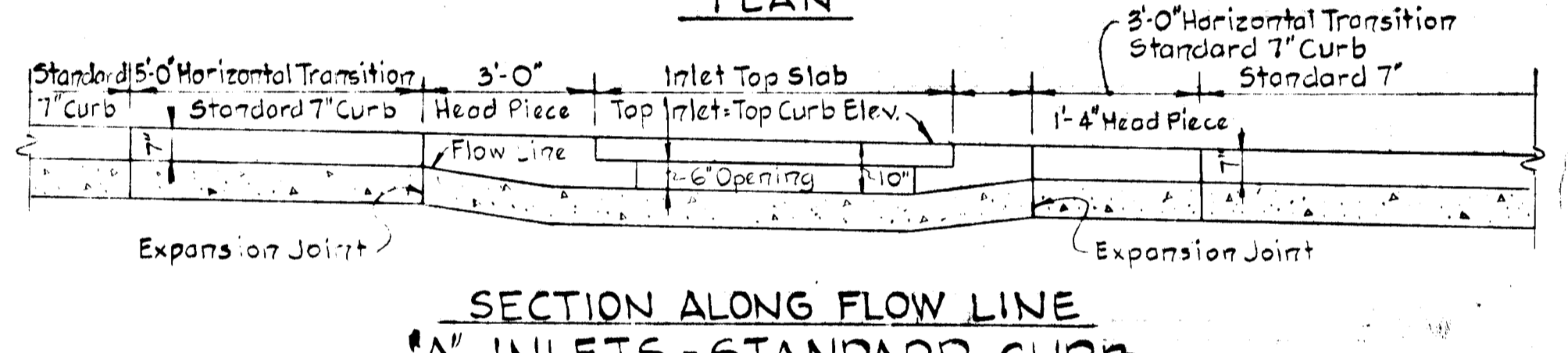


As BUILT ELEVATIONS As Of 4/7/82
 SIGNED AND SEALED BY
 KENNETH A. MCCORD P.E. #1974

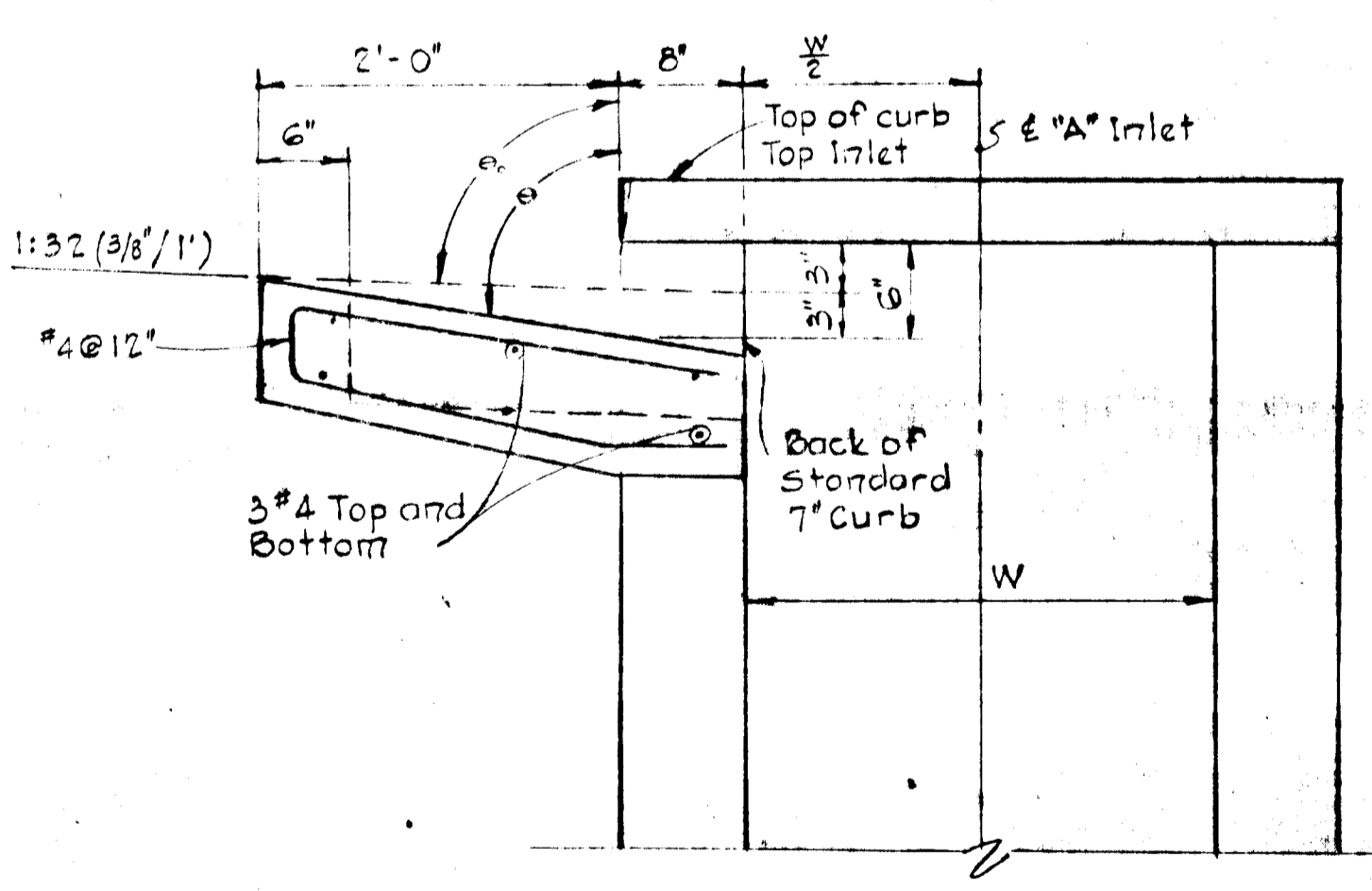
Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2 ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION I AREA 3		
PROJECT TITLE STORM DRAIN PROFILES		
SCALE: Hor. 1"=50' Vert. 1"=5'		DATE
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
Reviewed for <u>HOWARD SCD</u> Name and meets Technical Requirements <i>W. Hildebrand</i> Date 8-8-79 Signature US Soil Conservation Service		THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT Approved <i>Wm. Rouse</i> Date 8-8-79 Howard SCD
<i>Kenneth A. McCord</i> KENNETH A. McCORD Registered Engineer No. 1974		



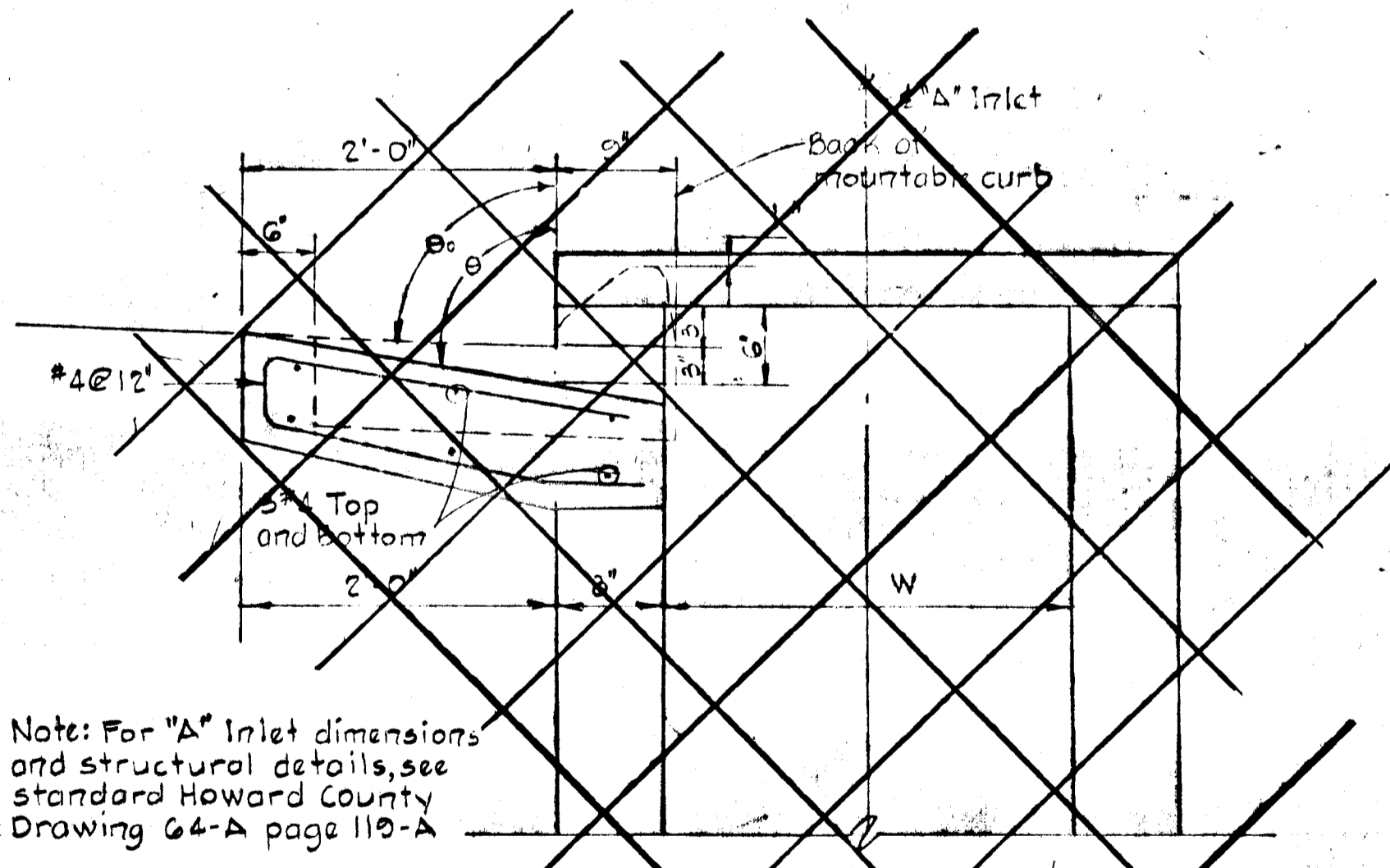
SECTION ALONG FLOW LINE
 SUMPED "A" INLETS - STANDARD CURB



SECTION ALONG FLOW LINE
 "A" INLETS - STANDARD CURB

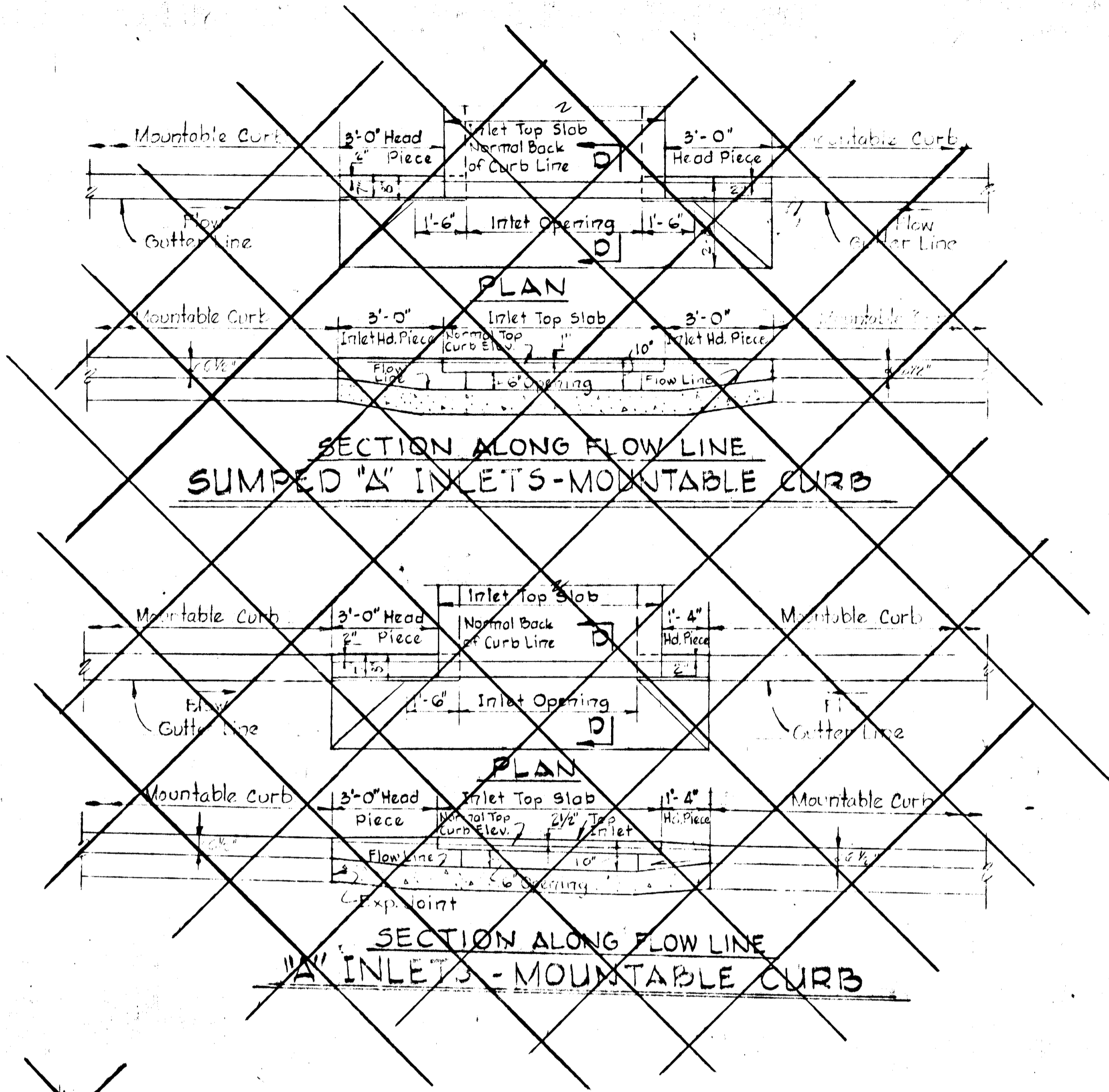


SECTION A-A
 "A" INLET - STANDARD CURB



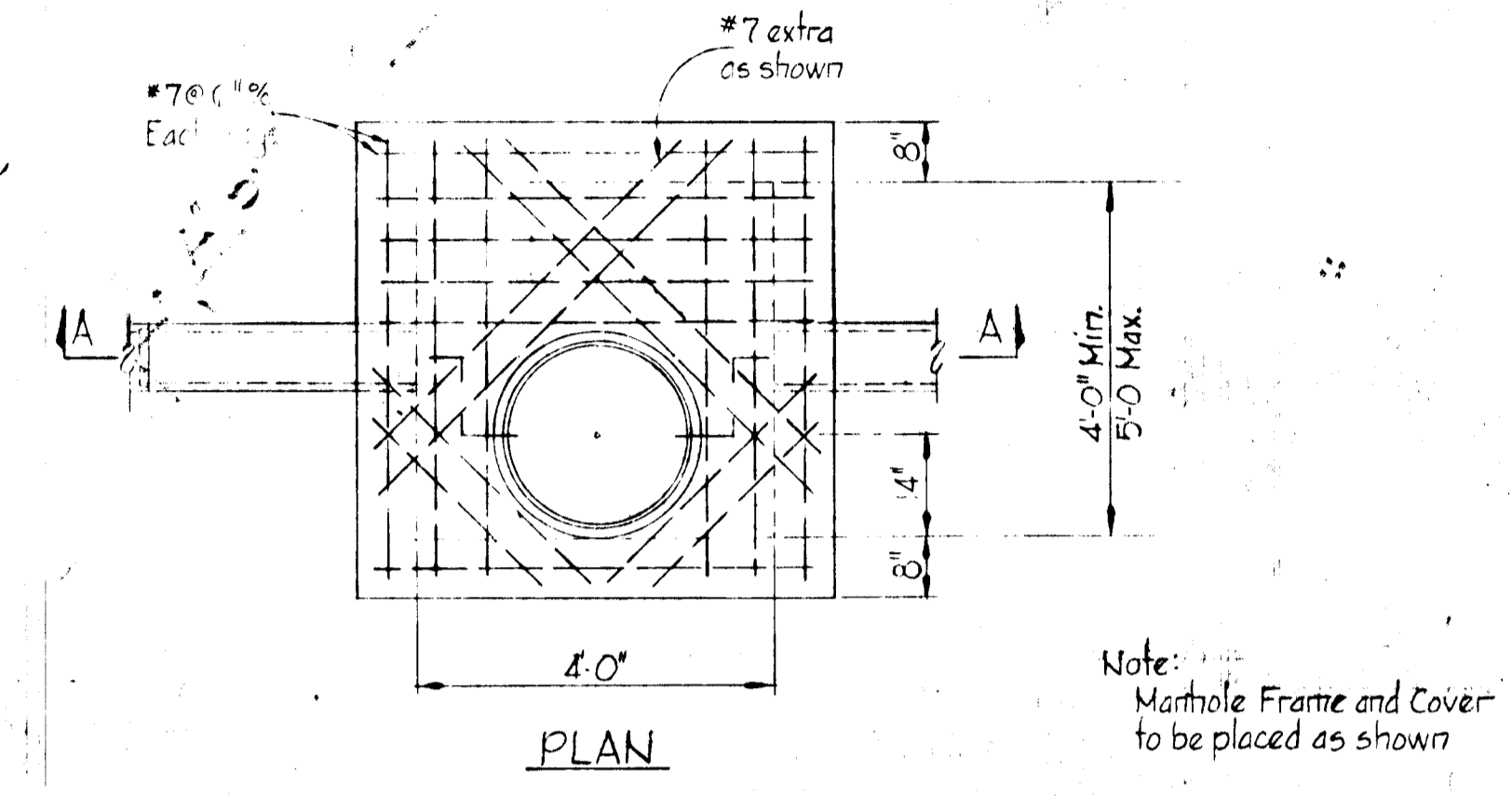
SECTION D-D
 "A" INLET - MOUNTABLE CURB

Note: For "A" Inlet dimensions and structural details, see standard Howard County Drawing G4-A page 110-A

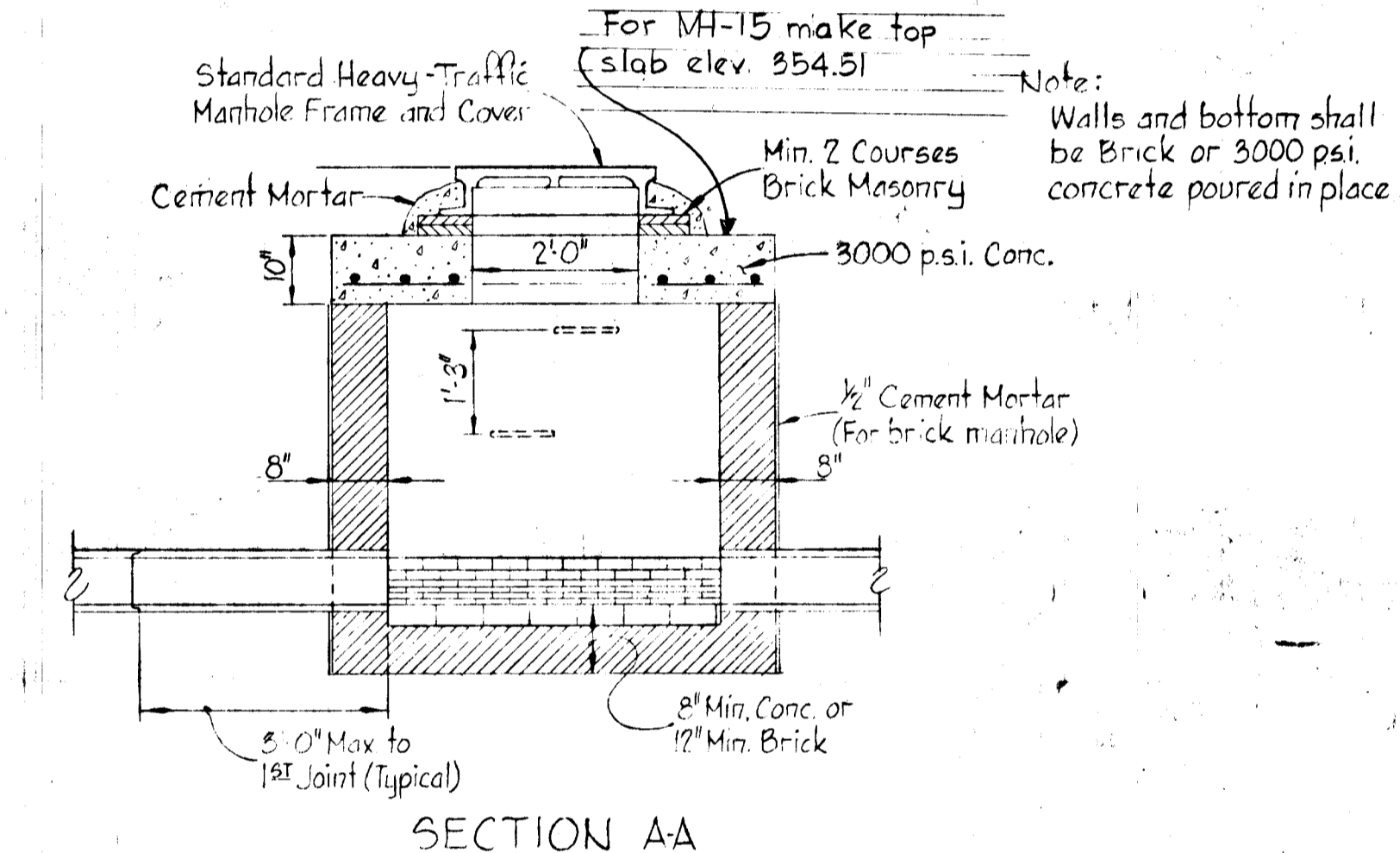


SECTION ALONG FLOW LINE
 SUMPED "A" INLETS - MOUNTABLE CURB

SECTION ALONG FLOW LINE
 "A" INLETS - MOUNTABLE CURB



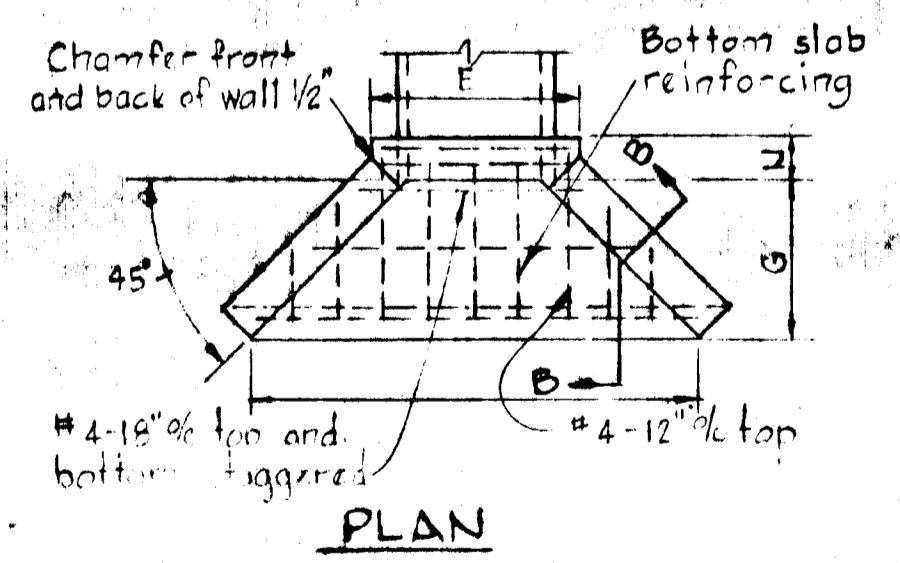
Note: Manhole Frame and Cover to be placed as shown



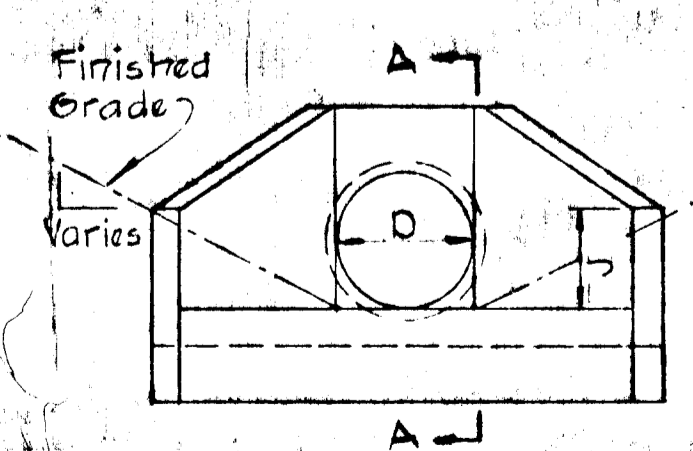
Note: Walls and bottom shall be Brick or 3000 psi. concrete poured in place

SECTION AA
 TYPE "B" MANHOLE
 No Scale

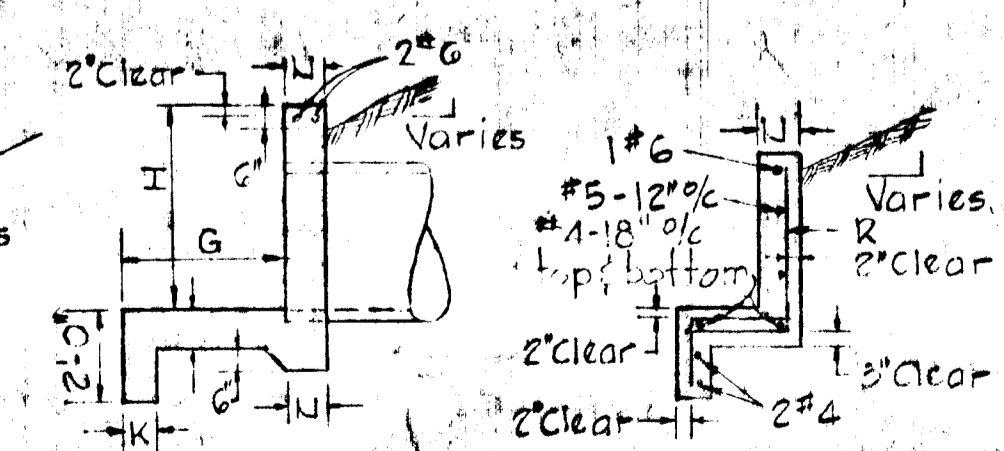
D	E	F	G	H	J	K	L	N	R
18"	3'-0"	7'-0"	3'-0"	3'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
21"	3'-4"	7'-9"	3'-0"	3'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
24"	3'-8"	8'-3"	3'-0"	3'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
27"	3'-11"	8'-9"	3'-0"	3'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
30"	4'-2"	9'-6"	3'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
36"	4'-8"	10'-9"	3'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
42"	5'-3"	11'-6"	4'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
48"	5'-10"	12'-6"	4'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
54"	6'-5"	14'-6"	5'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
60"	7'-0"	16'-0"	5'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
66"	7'-7"	17'-0"	6'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"
72"	8'-2"	18'-0"	6'-0"	4'-0"	2'-0"	B'	B'	B'	5'-12" 9/16"



PLAN



FRONT ELEVATION



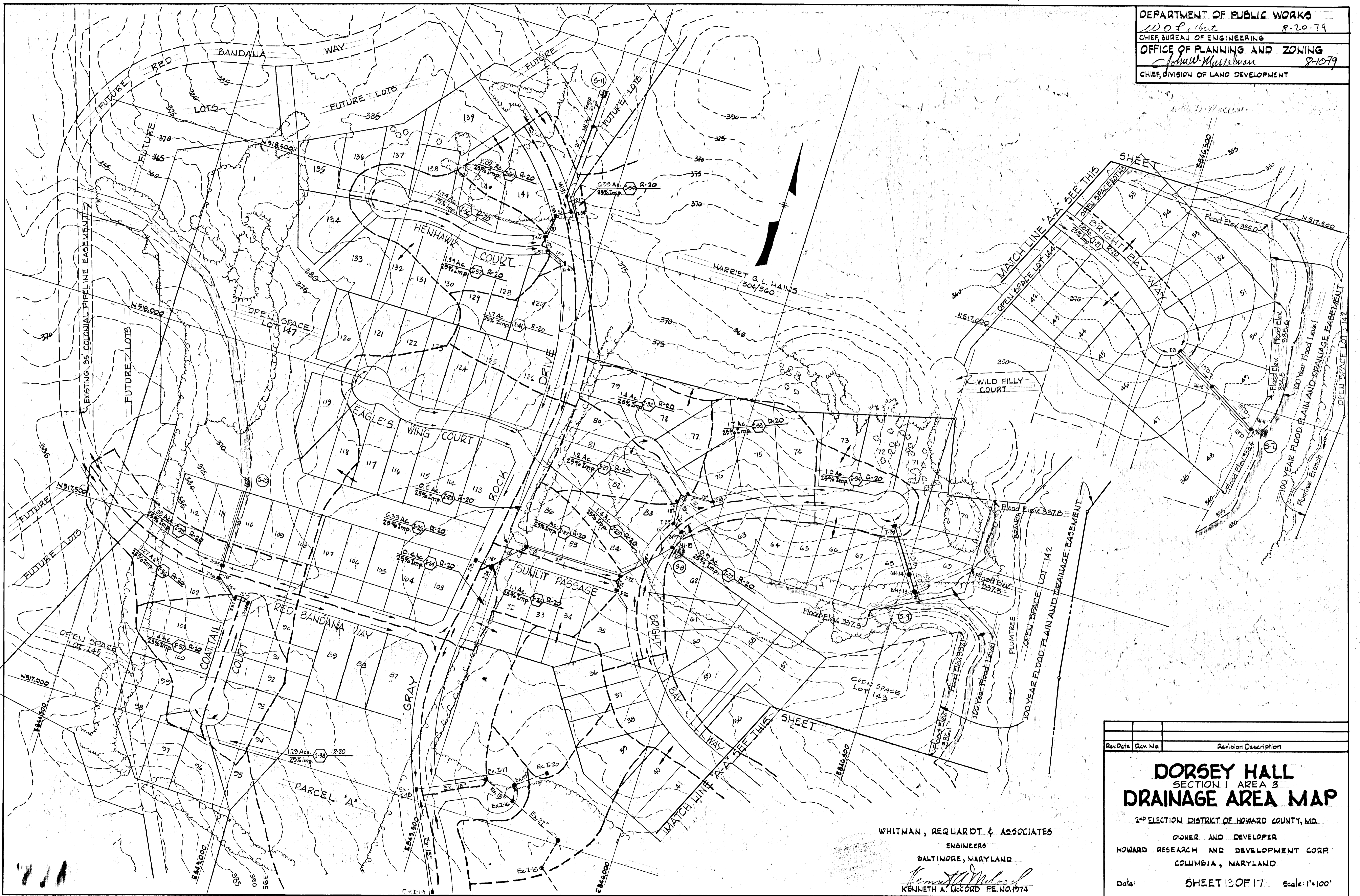
SECTION A-A

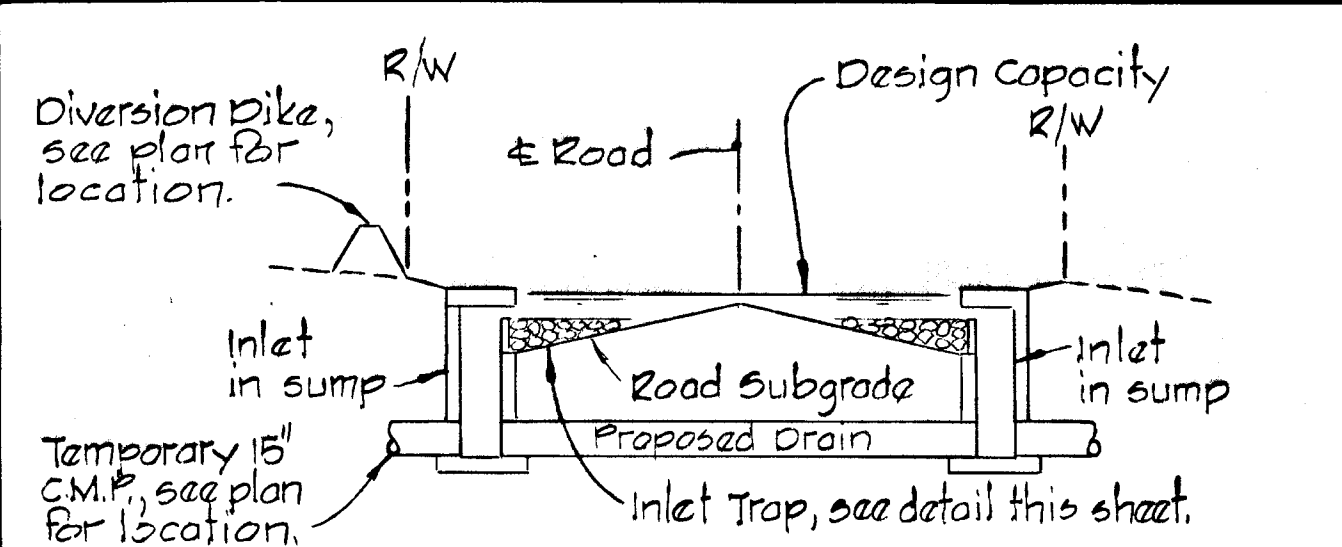
SECTION B-B

NOTES:
 1. Exposed edges shall be chamfered 1'-1".
 2. All concrete shall be 3000 psi.

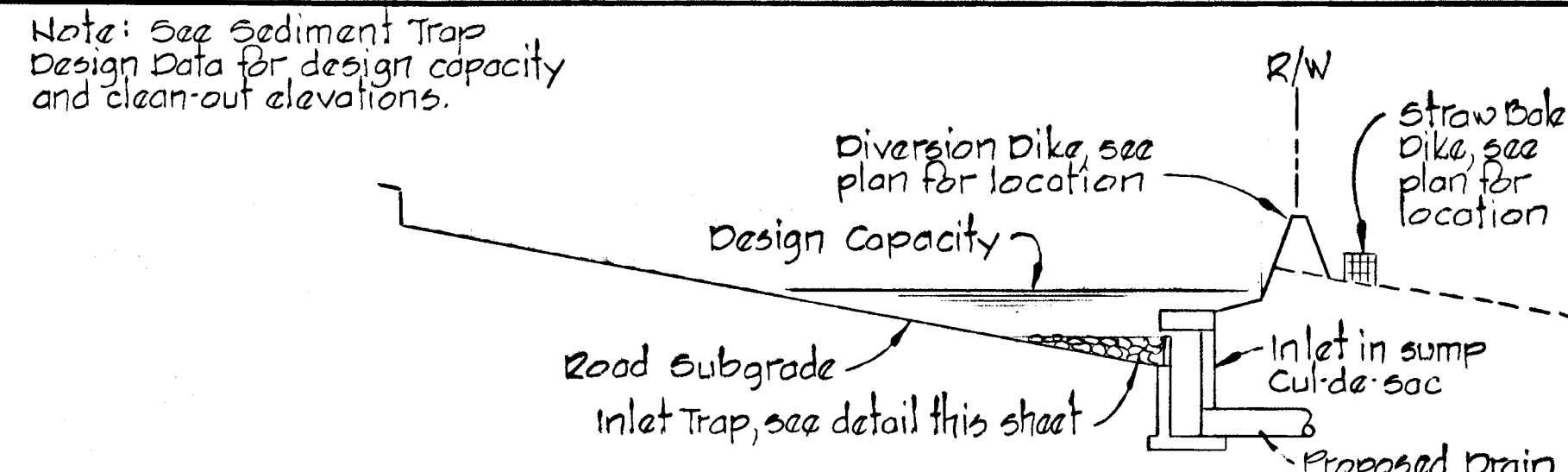
DETAIL - TYPE "A" - HEADWALL
 No Scale

Rev	Date	Rev. No.	Revision Description
DORSEY HALL			
2 ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND			
OWNER AND DEVELOPER: HOWARD RESEARCH AND DEVELOPMENT CORP.			
PROJECT AREA			
SECTION I AREA 3			
PROJECT TITLE			
STORM DRAIN DETAILS			
SCALE: As Shown		DATE:	
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202			
<i>Kenneth A. McCord</i> KENNETH A. MCCORD Registered Engineer No. 1974			

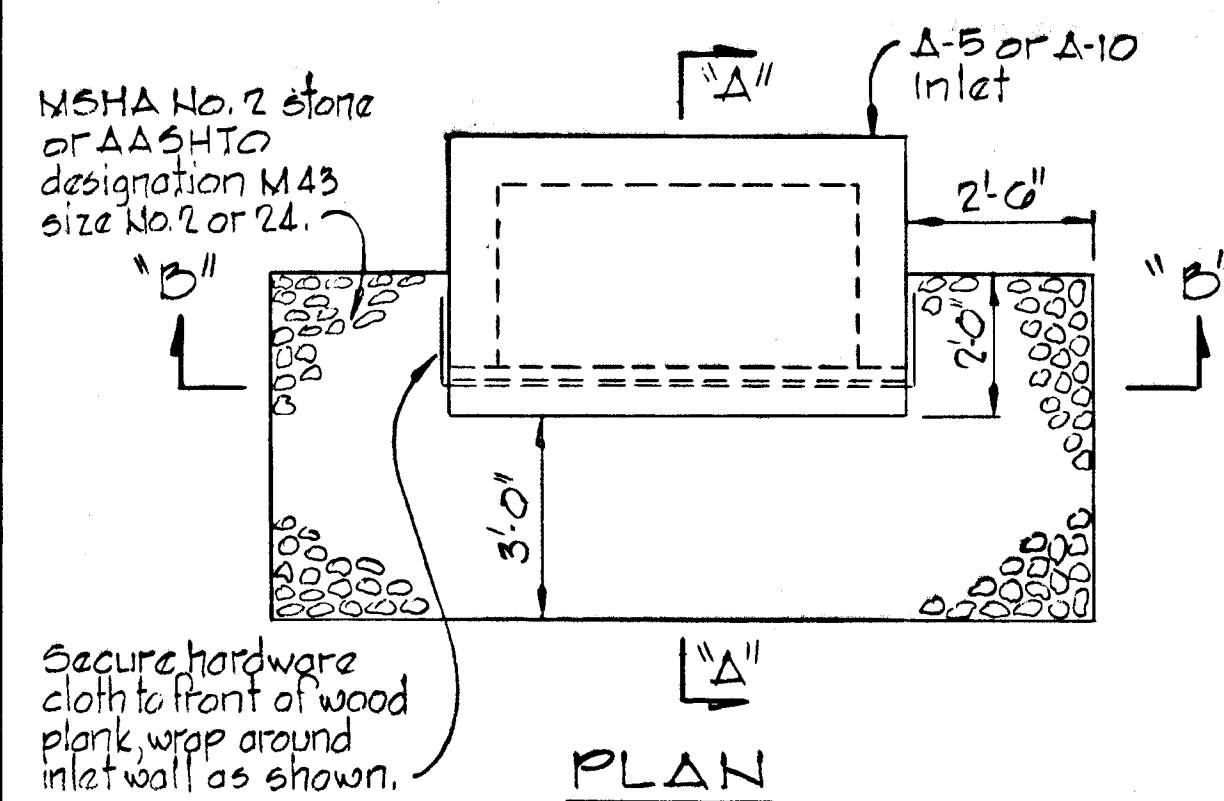




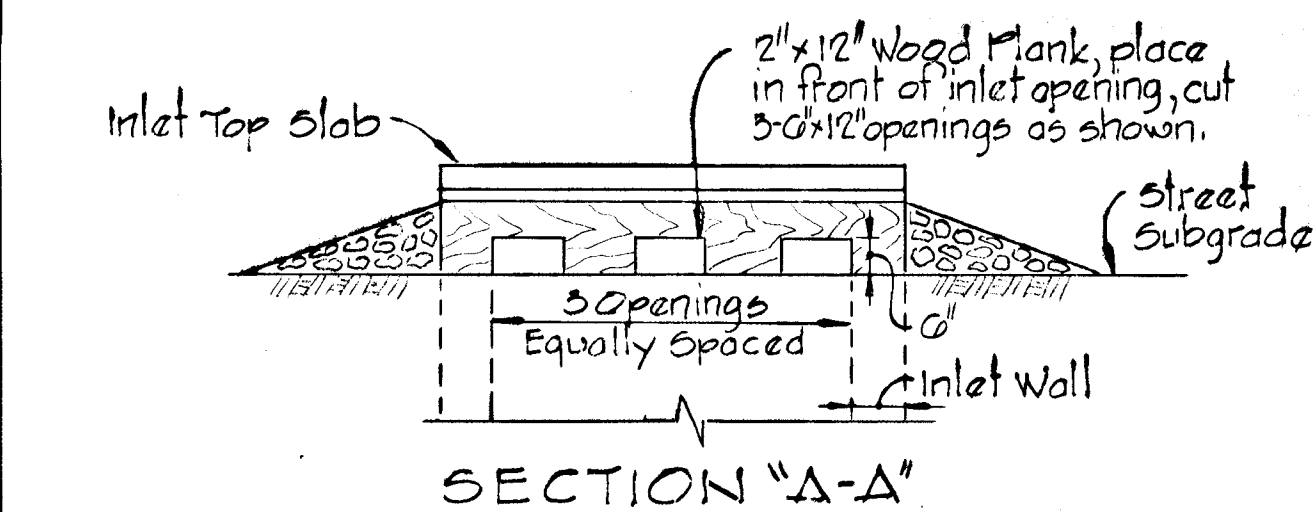
TYPICAL SECTION - TRAP IN SUMP
 TRAP NOS. 2, 4, & 5
 No Scale



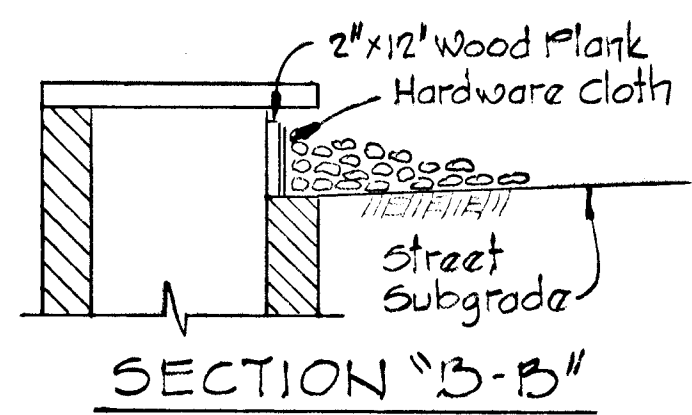
TYPICAL SECTION - TRAP IN CUL-DE-SAC
 TRAP NOS. 6 & 7
 No Scale



PLAN



SECTION "A-A"



SECTION "B-B"

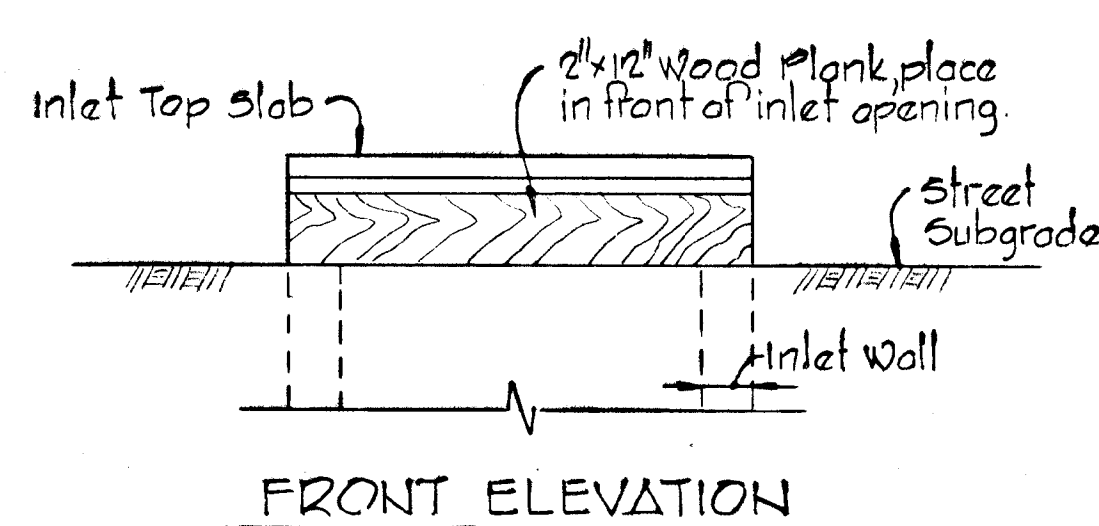
DETAIL - INLET TRAP

I-21, I-25, I-27, I-28, I-34, I-35, I-36, I-54, I-55
 No Scale

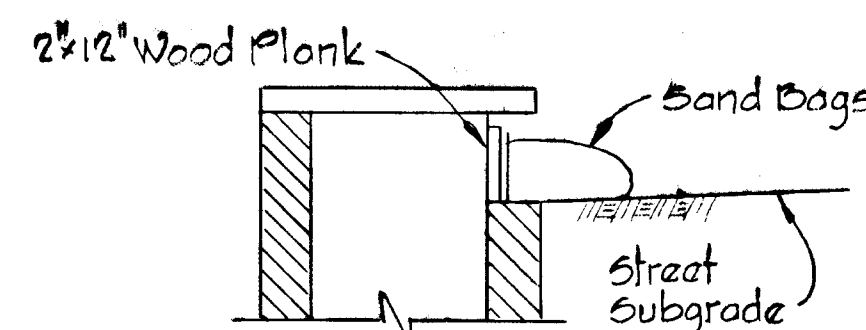
TEMPORARY SEEDING NOTES

1. Diversion Dikes and Topsoil Stockpiles shall be hydroseeded as follows:
 - a. ground limestone (50#/1000#) or one ton/acre
 - b. Fertilizer 10-10-10 (25#/1000#), 1/2 ton/acre
 - c. Seed - Italian Rye Grass 40#/acre
2. Mulch with straw at the rate of 50#/1000# or one ton/acre. Anchor with asphalt at the rate of 400 gallons/acre.

Note: See Sediment Trap Design Data for design capacity and clean-out elevations.



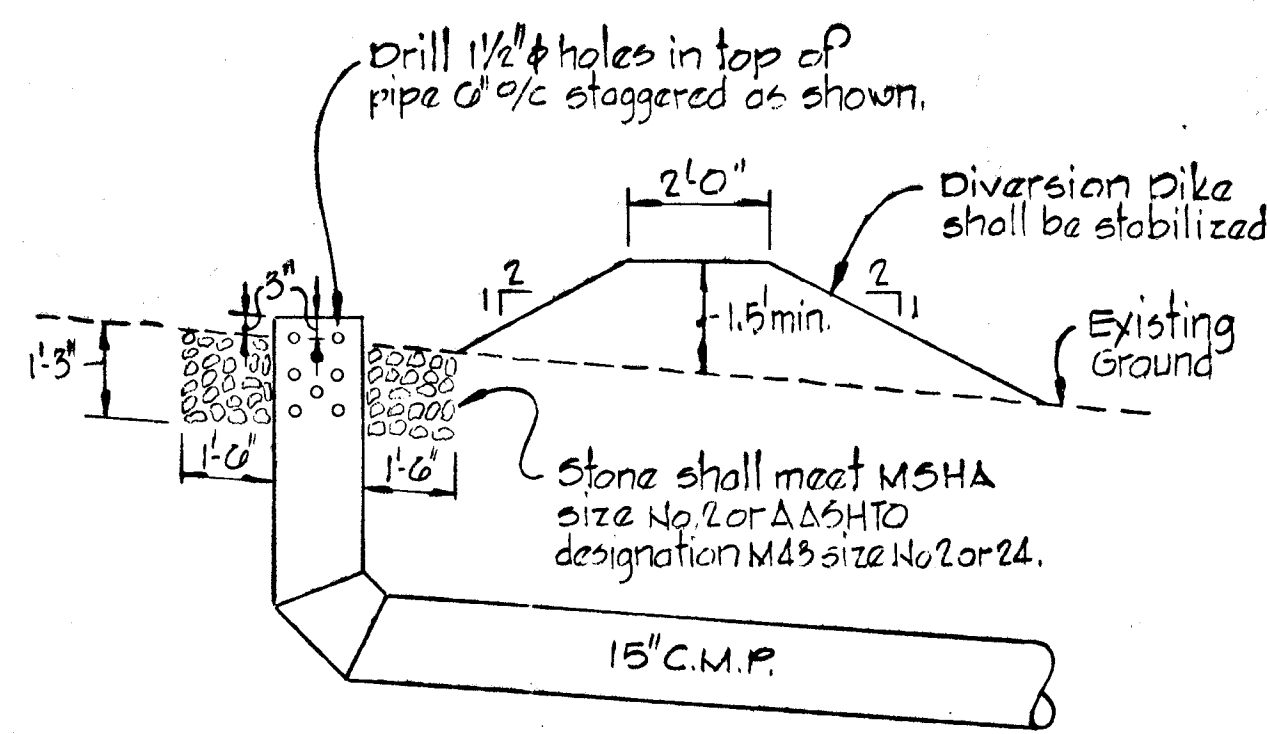
FRONT ELEVATION



SECTION

DETAIL - BLOCKED INLETS

I-22, I-23, I-24, I-26, I-29, I-32, I-33, I-37, I-38, I-56, I-57
 No Scale



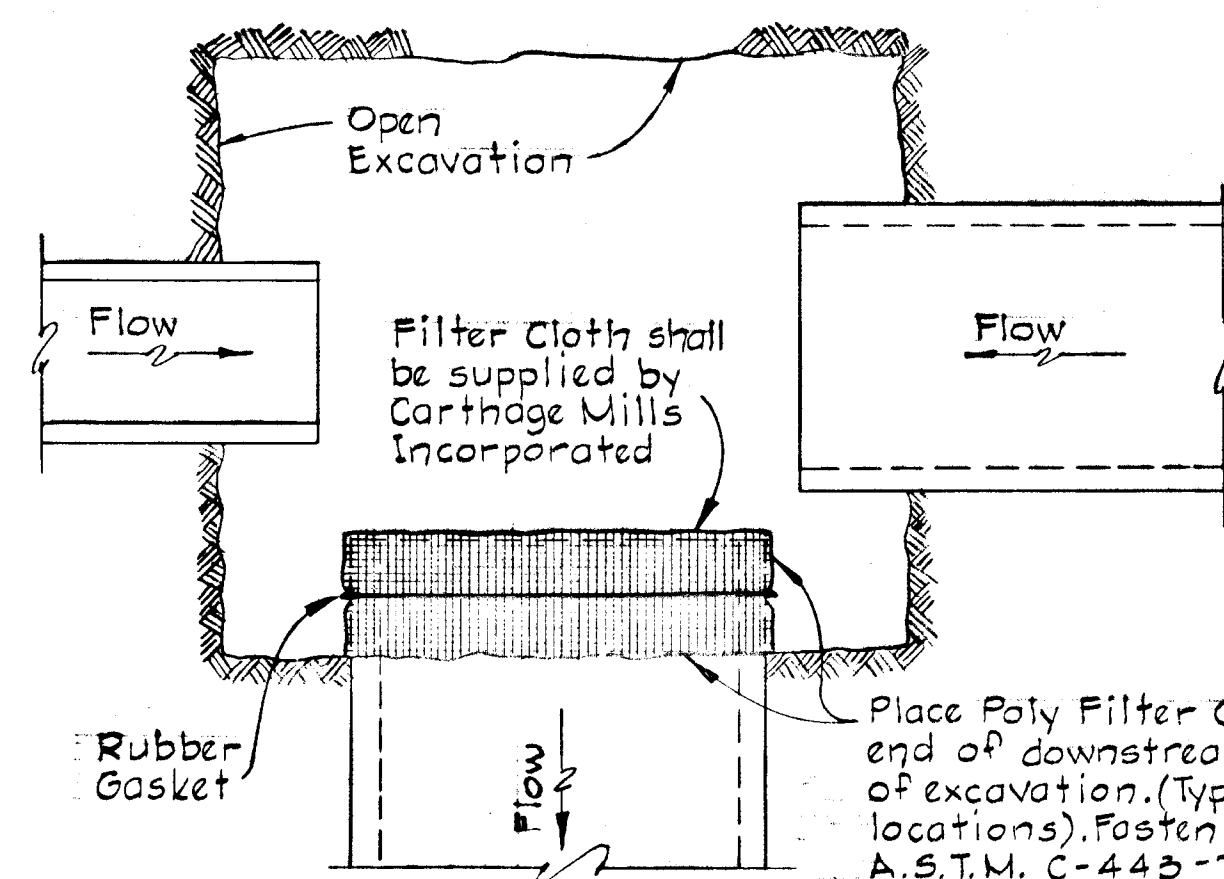
DETAIL - CLEAN WATER INLET AND DIVERSION DIKE
 Scale: 3/8" = 1'-0"

GENERAL NOTES

1. See Sequence of Construction on sheet 1
2. Prior to starting any work the contractor shall notify the Howard Soil Conservation District at least 24 hours in advance of notice to begin.
3. The sediment control measures shall be constructed as shown on these drawings.
4. All diversion dikes shall be seeded as specified in notes 5 and 6. All other surfaces to be permanently seeded. See Specifications on sheet 1.
5. The diversion dikes shall be hydroseeded as follows:
 - a. Ground Limestone, (50#/1000#) one ton/acre
 - b. Fertilizer, 10-10-10 (25#/1000#) 1/2 ton/acre
 - c. Seed, Italian Rye Grass 40#/acre
6. Mulch with straw at the rate of 50#/acre or one ton/acre. Anchor with asphalt at the rate of 400 gallons/acre.
7. A silt fence may be substituted for a straw bale dike, see detail sheet 1G.

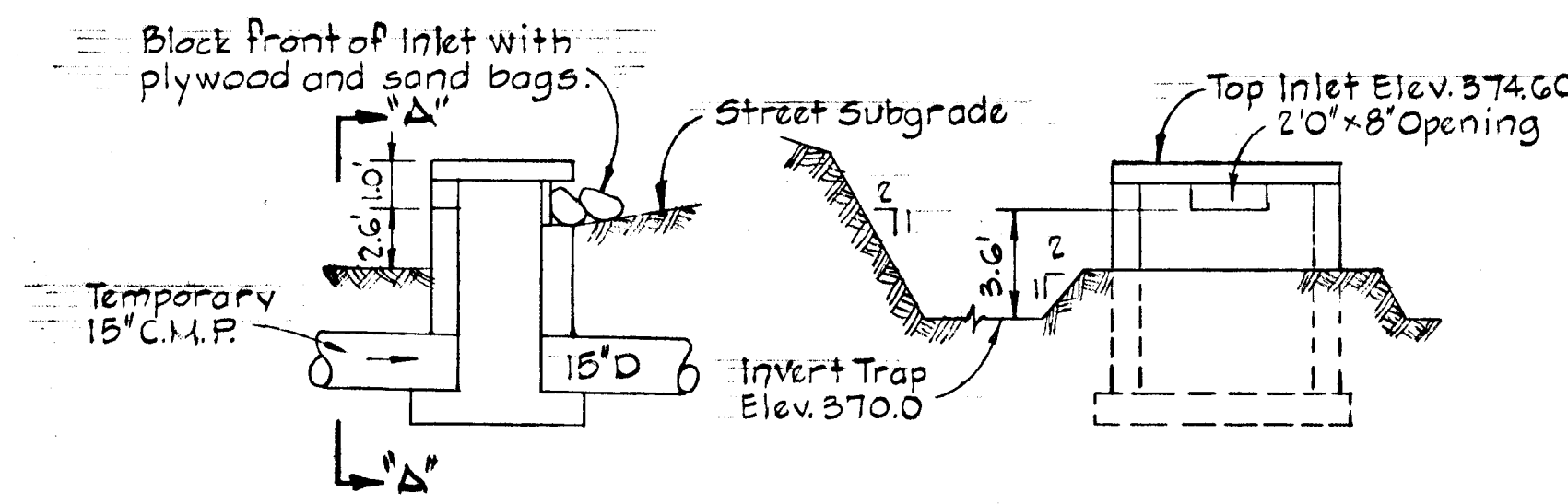
LEGEND

- Undisturbed areas to be diverted from Sediment Traps.
- Clean Water Inlets into Storm Drain System.



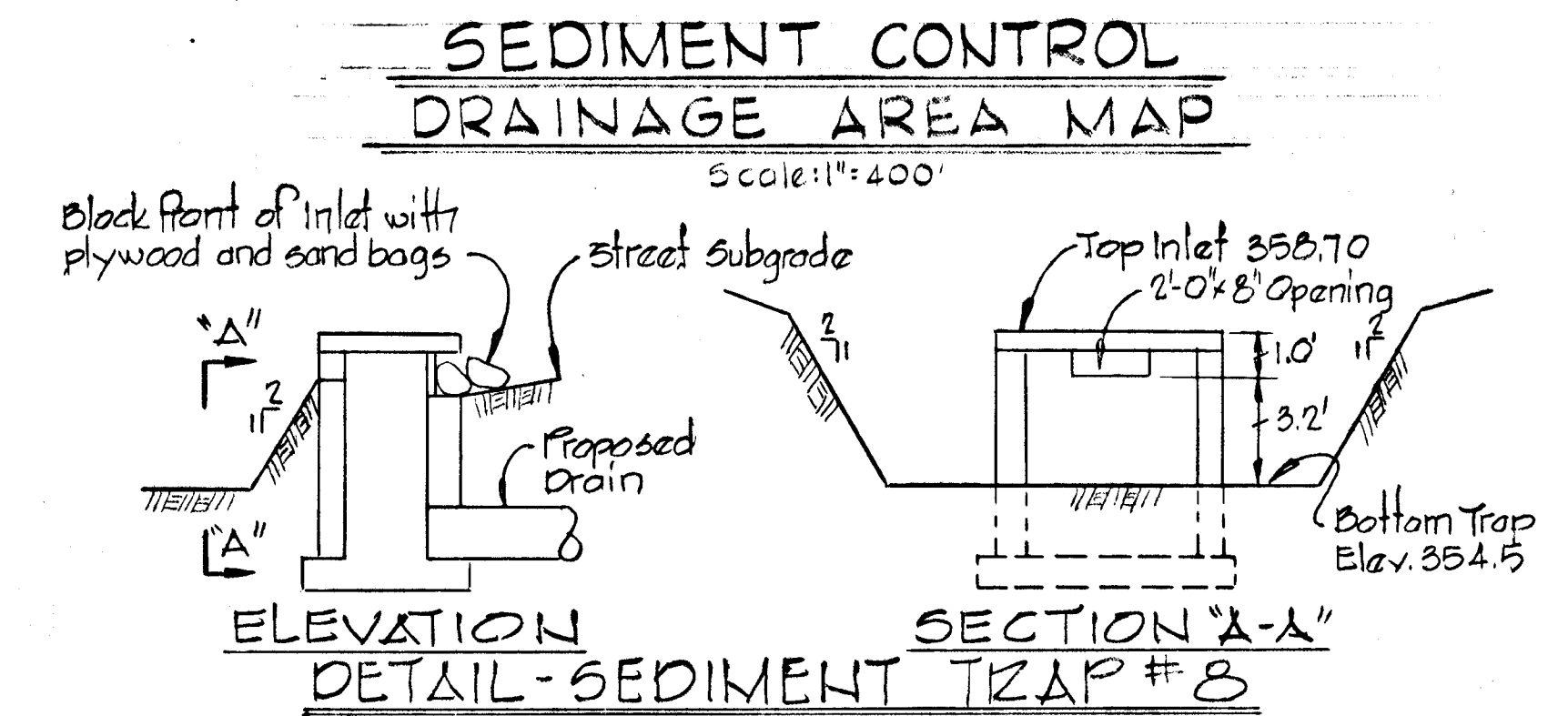
DETAIL "A"

No Scale

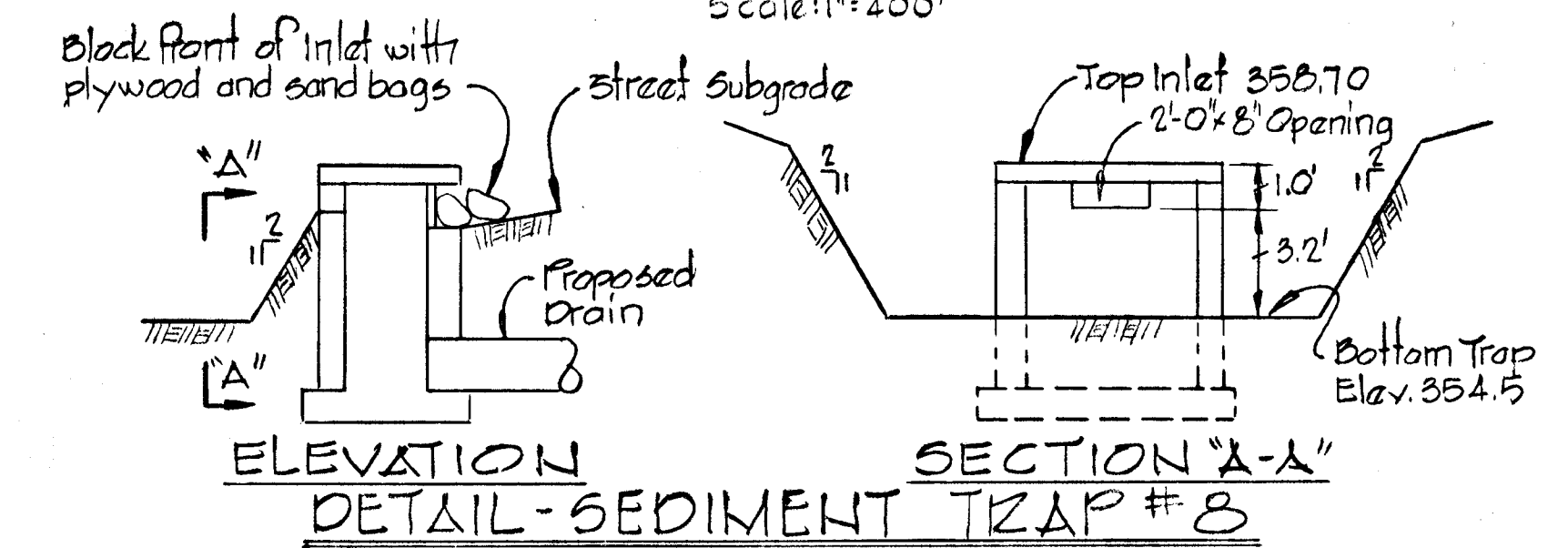


ELEVATION

DETAIL - SEDIMENT TRAP #1



SEDIMENT CONTROL DRAINAGE AREA MAP
 Scale: 1" = 400'



ELEVATION

SECTION "A-A"

DETAIL - SEDIMENT TRAP #8
 No Scale

TRAP #1

Drainage Area = 1.6 Acres
 Disturbed Area = 1.6 Acres
 Volume Required = 67 x 1.6 = 107.2 C.Y.
 Volume Available = 123 C.Y.
 Size of Traps = (2) 28' x 17' x 3.5'
 Cleanout Elev. = 371.75

TRAP #2

Drainage Area = 2.2 Acres
 Disturbed Area = 2.2 Acres
 Volume Required = 67 x 2.2 = 147 C.Y.
 Volume Available = 161 C.Y.
 Design Capacity Elev. = 375.5
 Clean-Out Elev. = 375.0

TRAP #3

Drainage Area = 1.1 Acres
 Disturbed Area = 1.1 Acres
 Volume Required = 67 x 1.1 = 74 C.Y.
 Volume Available = 87 C.Y.
 Size of Trap = 26' x 36' x 2.5
 Stone Filter Width = 6.6'

TRAP #4

Drainage Area = 1.5 Acres
 Disturbed Area = 1.5 Acres
 Volume Required = 67 x 1.5 = 100.5 C.Y.
 Volume Available = 116 C.Y.
 Design Capacity Elev. = 378.9
 Clean-Out Elev. = 378.4

TRAP #5

Drainage Area = 3.4 Acres
 Disturbed Area = 3.4 Acres
 Volume Required = 67 x 3.4 = 228 C.Y.
 Volume Available = 239 C.Y.
 Design Capacity Elev. = 357.9
 Clean-Out Elev. = 357.3

TRAP #6

Drainage Area = 0.8 Acres
 Disturbed Area = 0.4 Acres
 Volume Required = 67 x 0.8 = 54 C.Y.
 Volume Available = 55 C.Y.
 Design Capacity Elev. = 359.1
 Clean-Out Elev. = 358.5

TRAP #7

Drainage Area = 1.2 Acres
 Disturbed Area = 1.2 Acres
 Volume Required = 67 x 1.2 = 80 C.Y.
 Volume Available = 92 C.Y.
 Design Capacity Elev. = 362.6
 Clean-Out Elev. = 361.3

TRAP #8

Drainage Area = 2.4 Acres
 Disturbed Area = 2.4 Acres
 Volume Required = 2.4 x 67 = 160.8 C.Y.
 Volume Available = 171 C.Y.
 Size of Trap = 45' x 17'
 Clean-Out Elev. =

CERTIFICATION BY THE DEVELOPER

"I CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY."

Walter E. Woodford 12-10-78
 WALTER E. WOODFORD 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 PRACTICE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Kenneth A. McCord 12-22-78
 KENNETH A. MCCORD P.E. 1974 DATE:

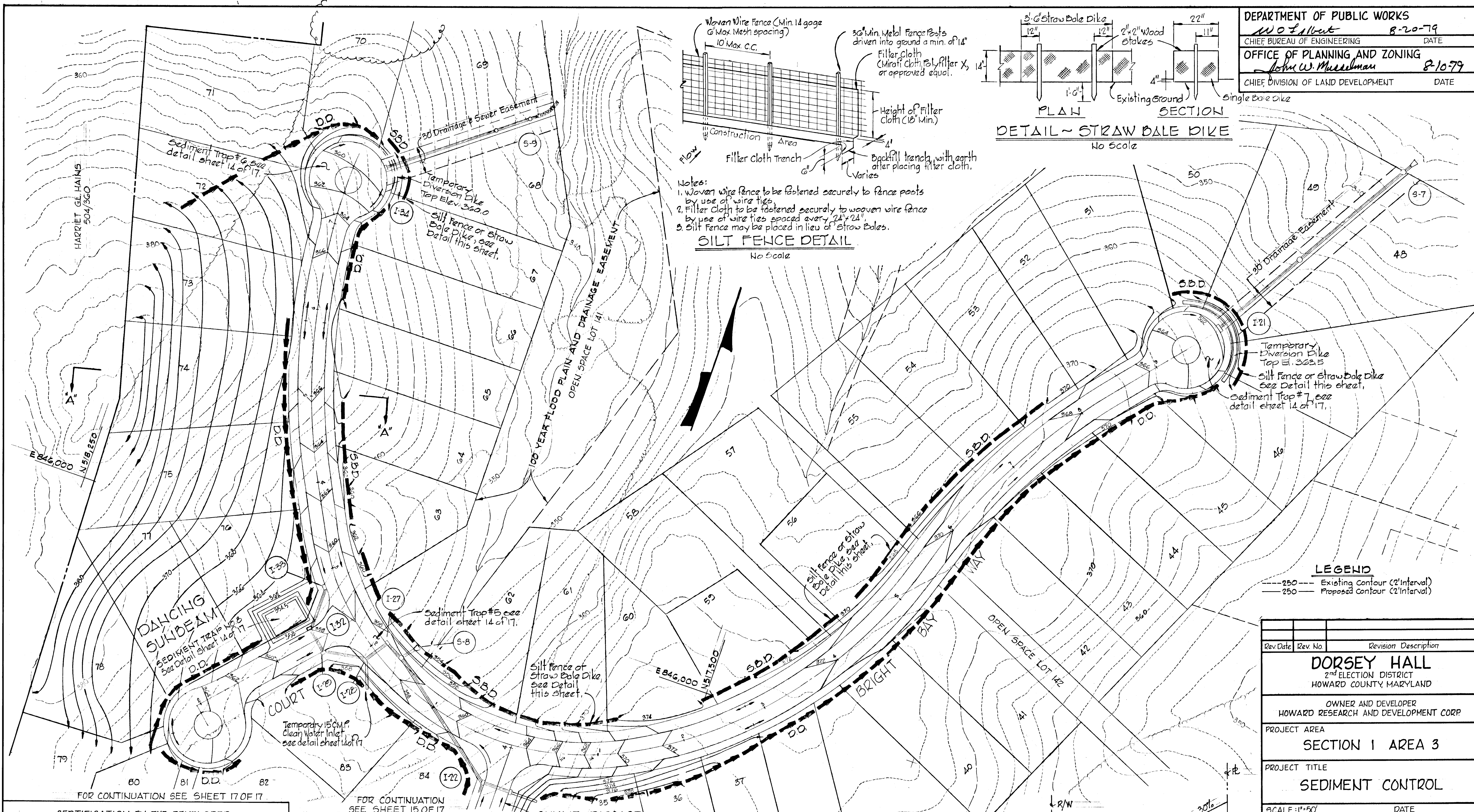
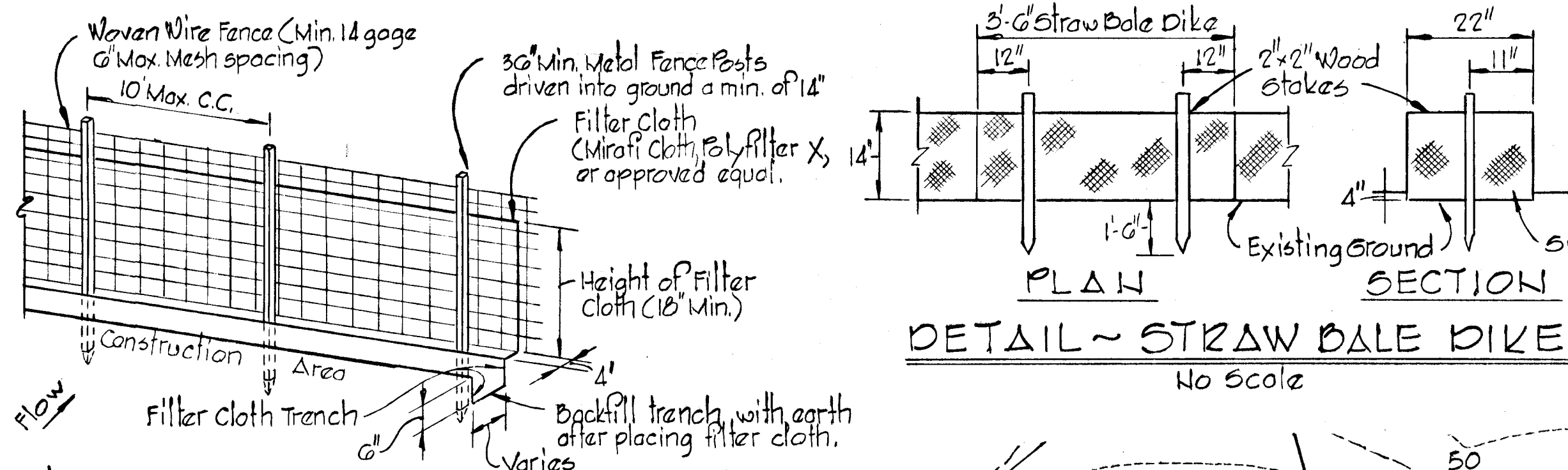
REVIEWED FOR HOWARD S.C.D.

NAME
 AND MEETS TECHNICAL REQUIREMENTS
 Signature: Winters Bendeth 8/16/79
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

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

APPROVED: Wm. Rowe 8-8-79
 HOWARD S.C.D. DATE:

Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2nd ELECTION DISTRICT HOWARD COUNTY MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION I AREA 3		
PROJECT TITLE SEDIMENT CONTROL		
SCALE: As Shown		DATE
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
Kenneth A. McCord KENNETH A. MCCORD Registered Engineer No. 1974		



LEGEND
 --- 250 --- Existing Contour (2' Interval)
 - - - 250 - - - Proposed Contour (2' Interval)

Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2 nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION 1 AREA 3		
PROJECT TITLE SEDIMENT CONTROL		
SCALE: 1"=50'		DATE
WHITMAN, REARDOT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
<i>Kenneth A. McCord</i> KENNETH A. McCORD Registered Engineer No. 1974		

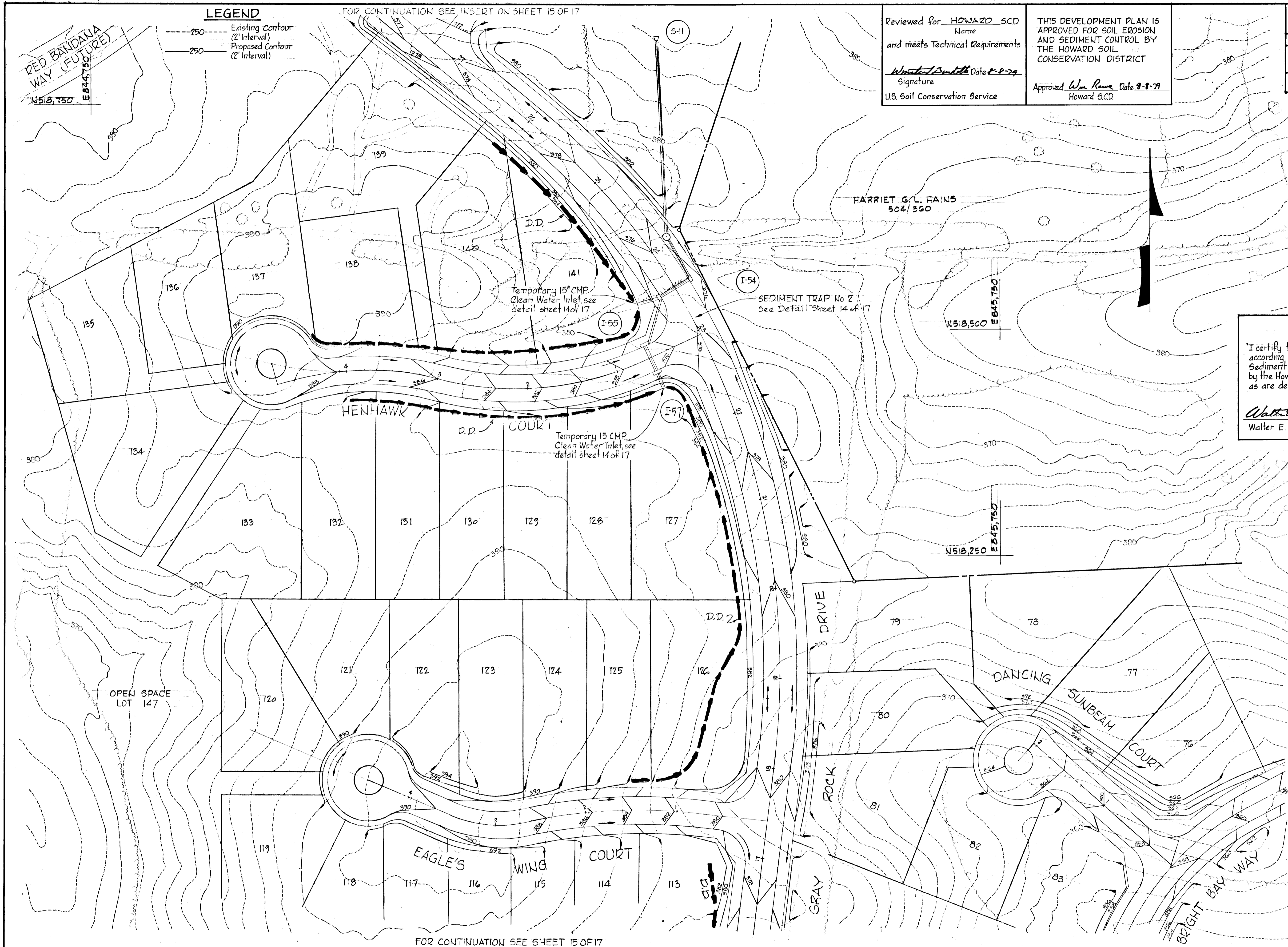
CERTIFICATION BY THE DEVELOPER
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."
Walter E. Woodford
 Walter E. Woodford Date 3-20-79

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
 Kenneth A. McCord P.E. 1974 Date 3-22-79

Reviewed for HOWARD SCD
 Name
 and meets Technical Requirements
Whitman Reardot Date 8/15/79
 Signature
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *Wm. Rowe* Date 8-8-79
 Howard SCD

SECTION "A-A"
No Scale



LEGEND
 --- Existing Contour (2' Interval)
 - - - Proposed Contour (2' Interval)

Reviewed for HOWARD SCD
 Name
 and meets Technical Requirements
Wm. Rouse Date 8-8-79
 Signature
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *Wm. Rouse* Date 8-8-79
 Howard SCD

DEPARTMENT OF PUBLIC WORKS
W.D. Felt 8-20-79
 CHIEF, BUREAU OF ENGINEERING DATE
 OFFICE OF PLANNING AND ZONING
John W. Madsen 8-10-79
 CHIEF, DIVISION OF LAND DEVELOPMENT 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 3-21-79
 Kenneth A. McCord PE, 1974 Date

CERTIFICATION BY THE DEVELOPER
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."
Walter E. Woodford 3-20-79
 Walter E. Woodford Date

Rev. Date	Rev. No.	Revision Description
DORSEY HALL 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP.		
PROJECT AREA SECTION 1 AREA 3		
PROJECT TITLE SEDIMENT CONTROL		
SCALE: 1"=50'		DATE
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS BALTIMORE, MARYLAND 21202		
<i>Kenneth A. McCord</i> KENNETH A. McCORD Registered Engineer No. 1974		