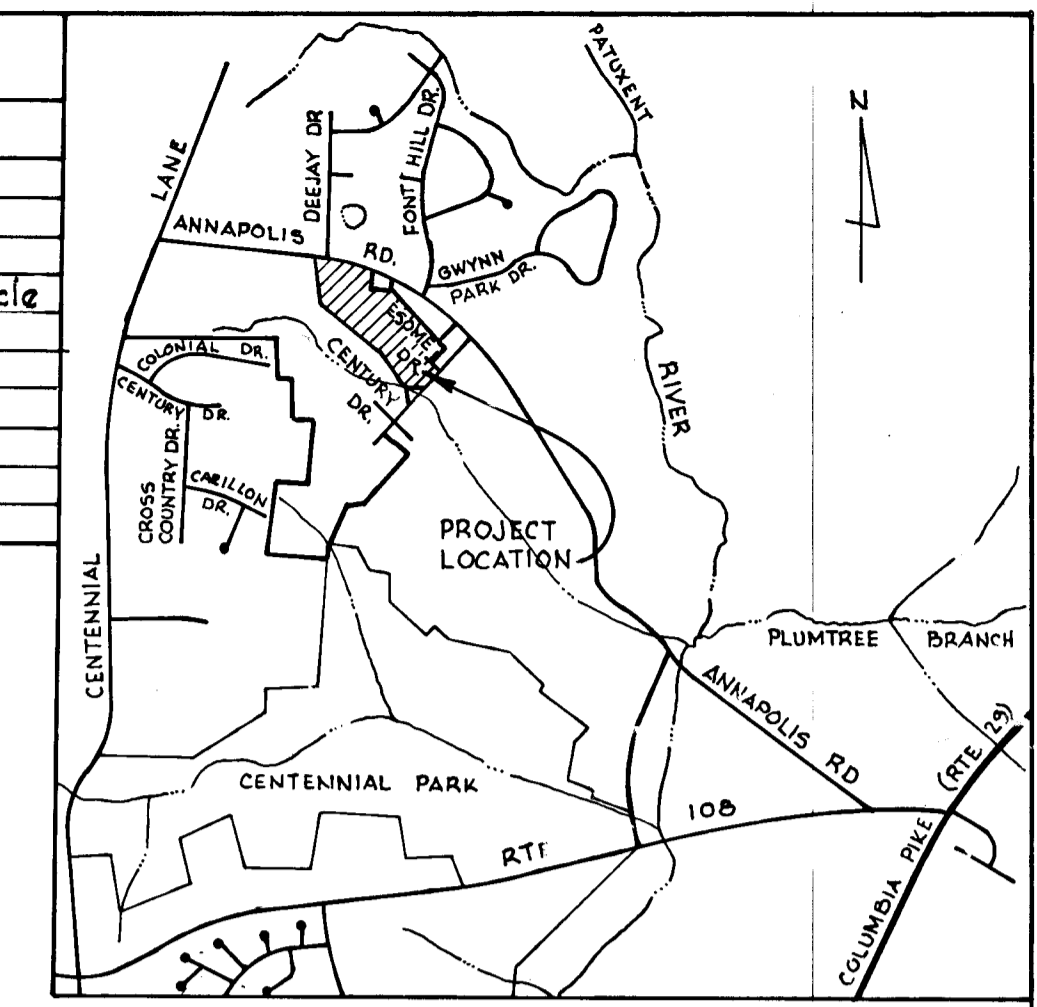


SHEET INDEX	
SHEET No.	DESCRIPTION
1	Title Sheet
2	Old Annapolis Road: sta. 1+00 to sta. 5+00
3	Old Annapolis Road: sta. -3+00 to sta. 1+00
4	Hermitage Drive: sta. 0+00 to sta. 9+50, Pultizer Circle & Nobel Circle
5	Hermitage Drive: sta. 9+50 to sta. 21+11.85, Knob's End Court
6	Cezanne Circle - Storm Drain Detail
7	Storm Drain Profiles
8	Roadway Details and Details
9	Drainage Area Map
10	Stream Relocation



VICINITY MAP  
Scale: 1" = 2,000'

**GENERAL NOTES**

- All work shall be performed in accordance with the Howard County Road Construction Code and Standard Specifications.
- All Utility Companies shall be notified 24 hrs in advance of construction.
- Streets are designed for traffic speed of 30 mph. in accordance with AASHO Standards.
- All inlets shall be Howard County Standards unless otherwise shown.
- All street curb returns shall have a 35' radii 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 the Contractors operations shall be repaired immediately at the Contractors expense.
- The Contractor shall test pit existing utilities where directed by the Engineer, a minimum of two weeks in advance of construction operations.
- All Reinforced Concrete for Storm Drain Structures shall have minimum 28 days strength of 3500 psi.
- 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.
- Rip-Rap at Outfalls shall be unpaved unless otherwise noted.
- All horizontal and vertical controls are based on Maryland State Datum.
- Seed and mulch all disturbed areas.

STREET NAME	TOTAL LENGTH	PAVING WIDTH
HERMITAGE DRIVE	2111.85'	30'
PULTIZER CIRCLE	175'	30'
NOBEL CIRCLE	195'	30'
CEZANNE CIRCLE	302.74'	30'
KNOB'S END COURT	220'	30'

"AS BUILT" AUGUST 26, 1977

APPROVED  
DIVISION OF LAND DEVELOPMENT  
AND TRANSPORTATION PLANNING  
HOWARD COUNTY, MARYLAND  
DATE MARCH 12, 1976  
*[Signature]*

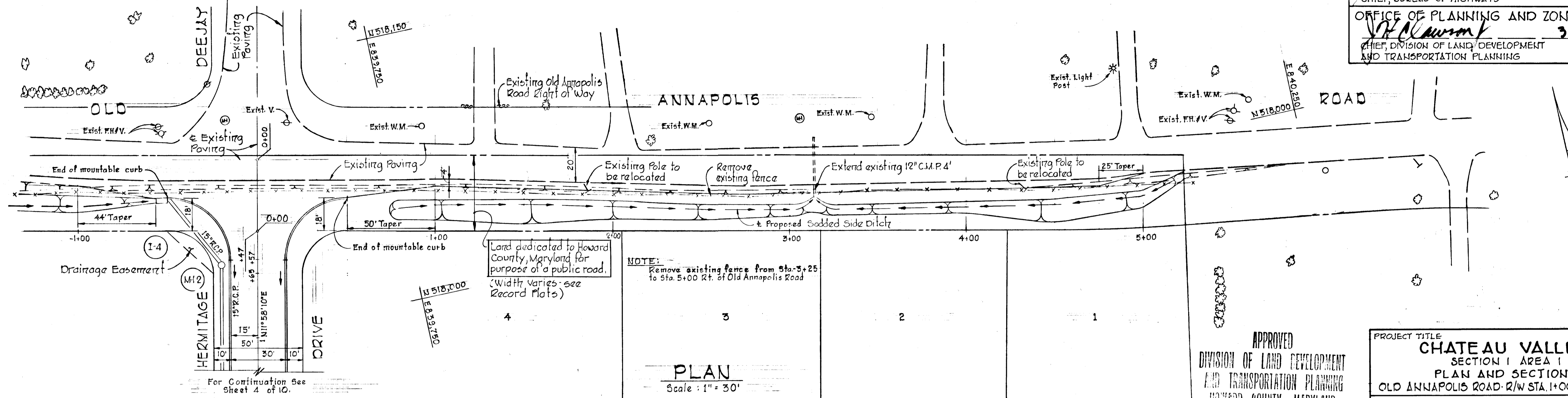
**LOCATION PLAN**  
Scale: 1" = 200'

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEER  
BALTIMORE, MARYLAND  
*[Signature]*  
KENNETH A. MCCORD  
Registered Engineer  
No. 1974

DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 3/24/76  
CHIEF, BUREAU OF HIGHWAYS DATE  
OFFICE OF PLANNING AND ZONING  
*[Signature]* 3/22/76  
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

DEVELOPER  
B. CENTENNIAL JOINT VENTURE  
3916 LEE COURT  
BALTIMORE, MARYLAND 21208

PLATEAU VALLEY  
SECTION I AREA I  
**ROAD CONSTRUCTION PLANS**  
2<sup>ND</sup> ELECTION DISTRICT OF HOWARD COUNTY, MD.  
Date: \_\_\_\_\_ Scale: As Shown



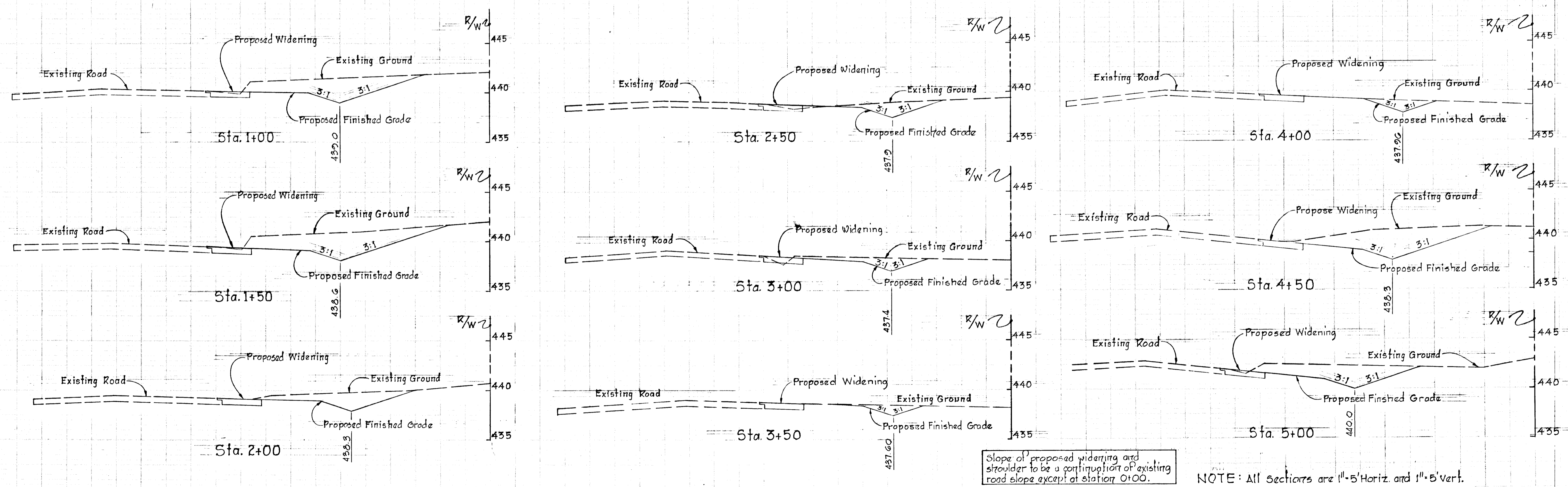
APPROVED  
 DIVISION OF LAND DEVELOPMENT  
 AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE 3/12/76  
*J.H.L.*

PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION 1 AREA 1  
 PLAN AND SECTIONS  
 OLD ANNAPOLIS ROAD - R/W STA. 1+00 TO STA. 4+00  
 SCALE: AS SHOWN DATE:

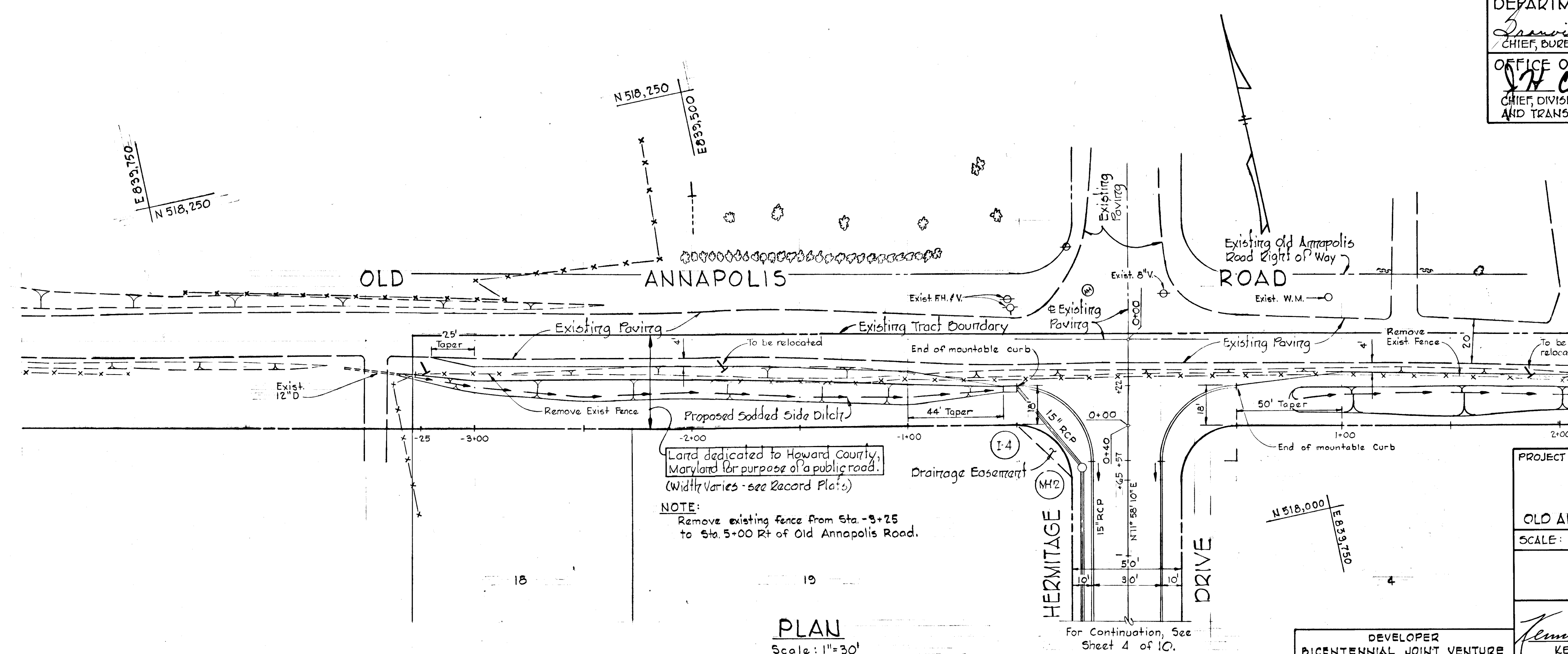
WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3518 LEE COURT  
 BALTIMORE, MARYLAND 21208

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



#291

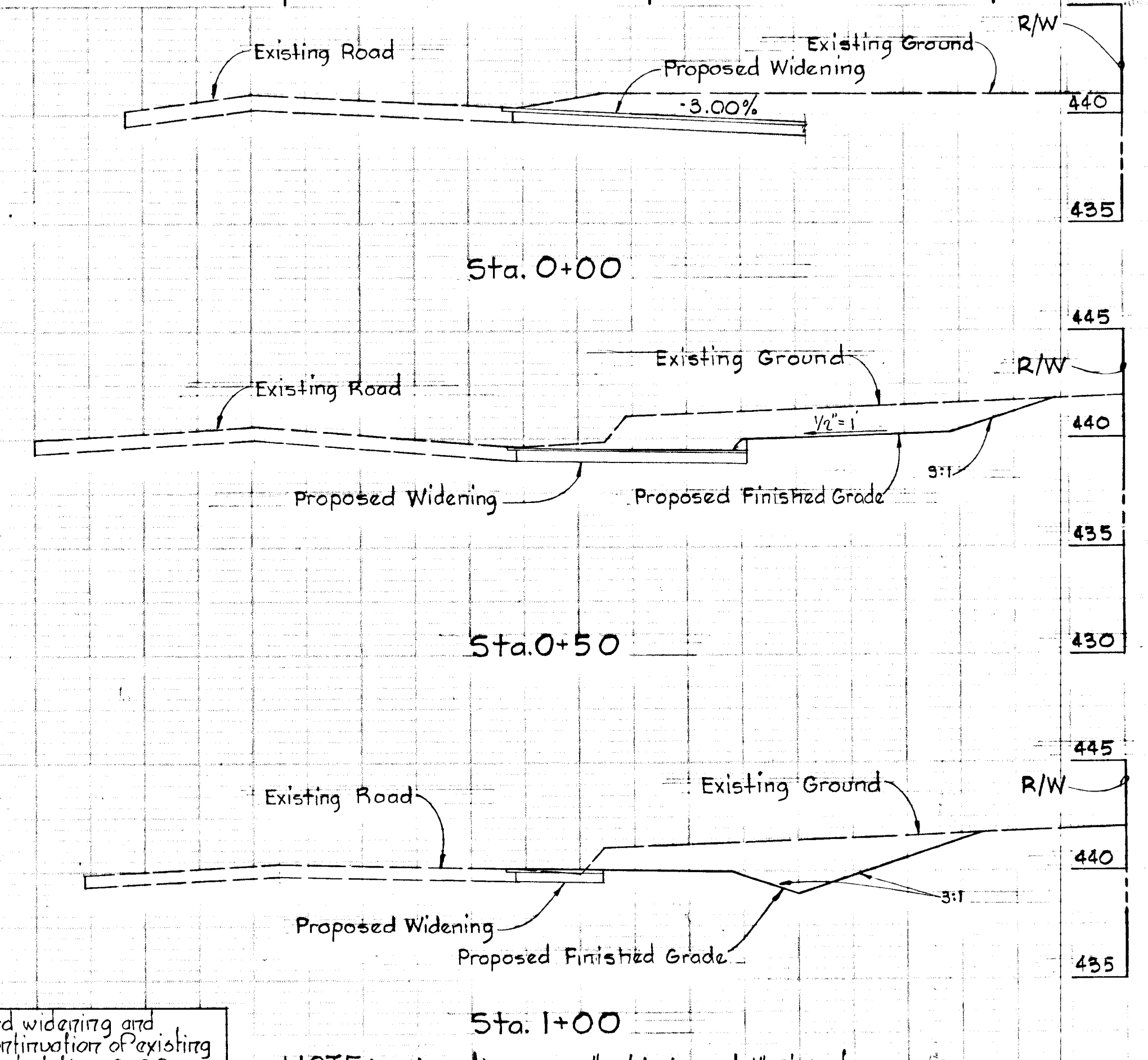
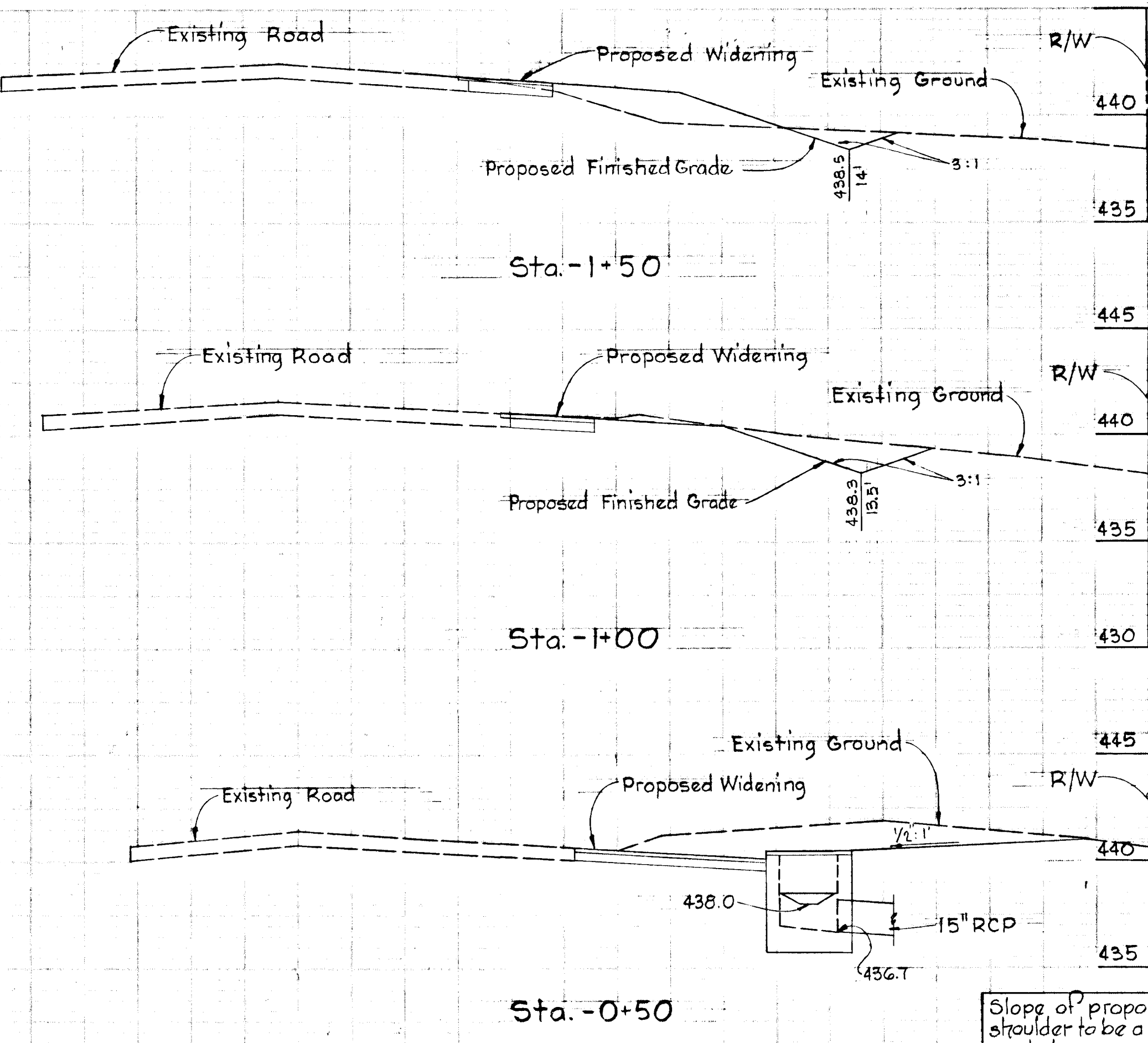
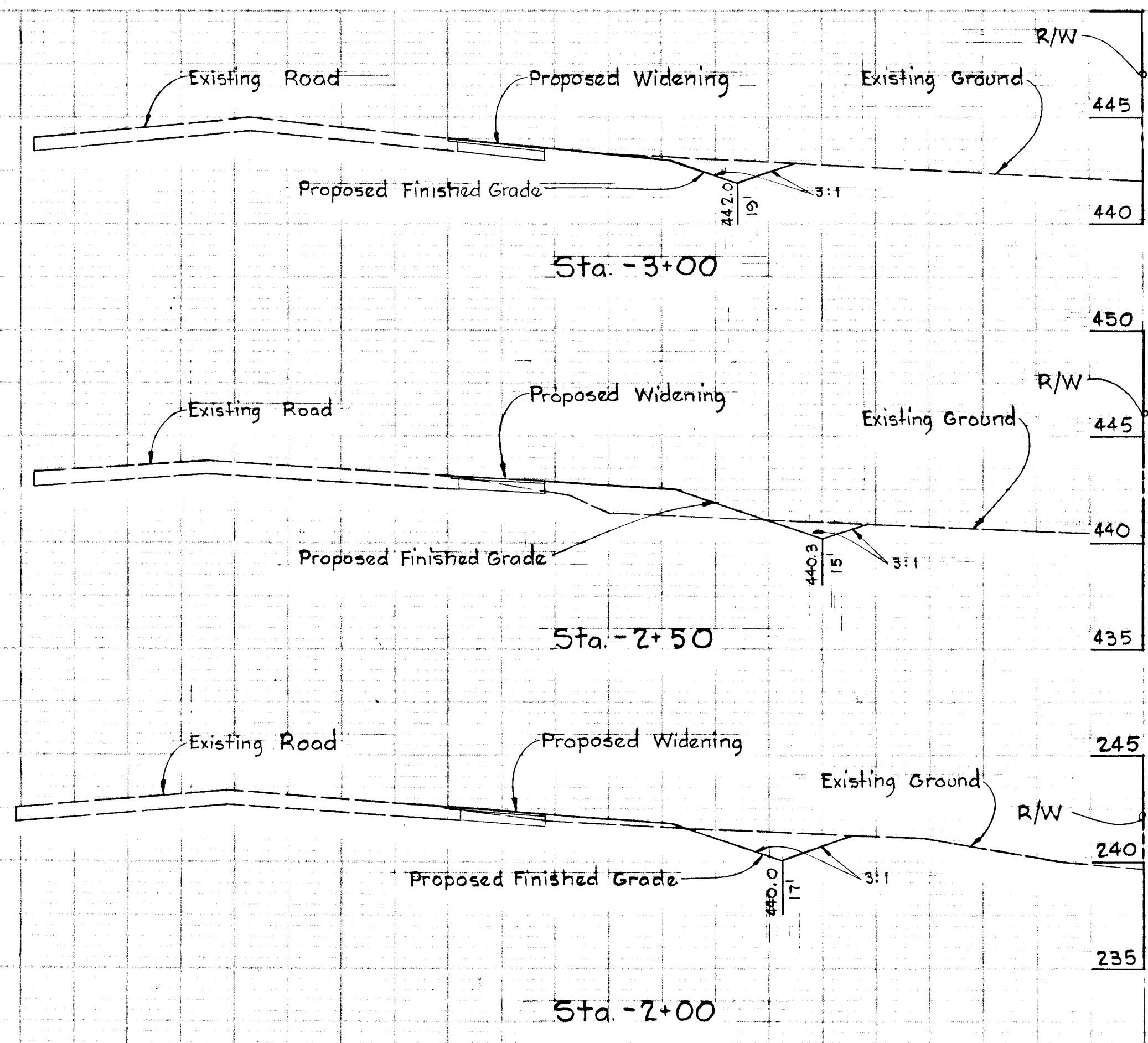
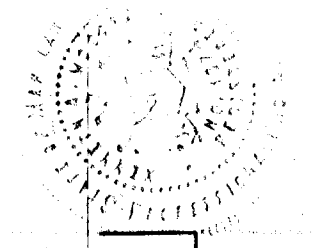


NOTE:  
 Remove existing fence from Sta. -3+25 to Sta. 5+00 Rt of Old Annapolis Road.

PLAN  
 Scale: 1"=30'

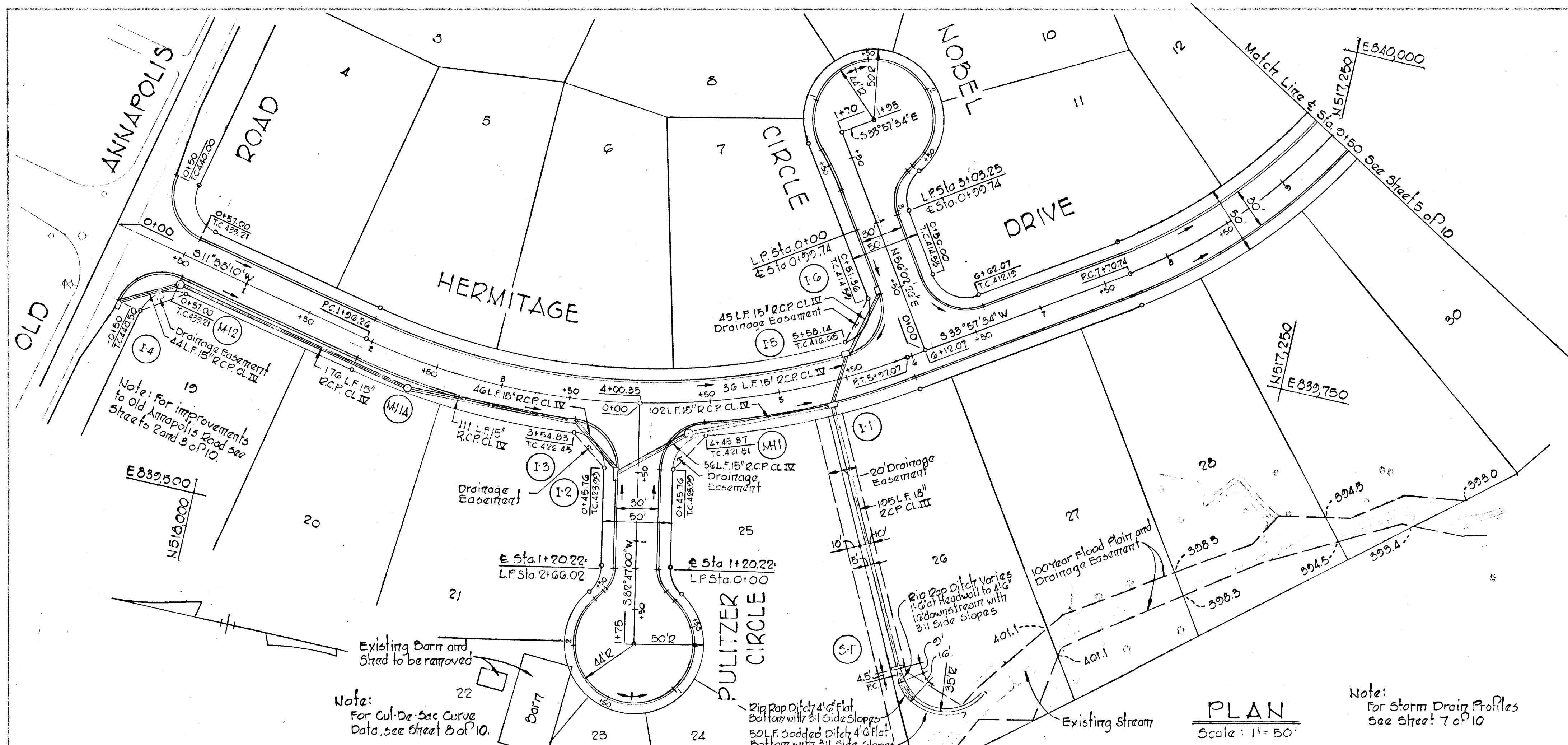
PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION 1 AREA 1  
 PLAN AND SECTIONS  
 OLD ANNAPOLIS ROAD R/W STA. 0+00 TO STA. 3+00  
 SCALE: AS SHOWN DATE:  
 WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3315 LEE COURT  
 BALTIMORE, MARYLAND 21208



Slope of proposed widening and shoulder to be a continuation of existing road slope except at station 0+00.

NOTE: All sections are 1"=5' Horiz. and 1"=5' Vert.



**CURVE DATA**

PC: 1+96.26 TO E Int. 4+00.35	E Int. 4+00.35 TO PT. 5+97.07
$\Delta = 22^{\circ}23'12''$	$\Delta = 22^{\circ}32'32''$
$R = 500.00'$	$R = 500.00'$
$A = 204.09'$	$A = 196.72'$
$T = 103.48'$	$T = 99.65'$
$Ch = 202.67'$	$Ch = 195.45'$
$Brg = 500^{\circ}16'34''W$	$Brg = 52^{\circ}24'18''E$

DEPARTMENT OF PUBLIC WORKS  
 Shawville H. Beblaud 3/24/76  
 CHIEF, BUREAU OF HIGHWAYS DATE  
 OFFICE OF PLANNING AND ZONING  
 DATE 3/22/76  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

**STORM DRAIN STRUCTURE SCHEDULE**

ID.	TYPE	TOPEL	IN/OUT	LOCATION
I-4	Standard A-5 Inlet Width: 25"	440.58	426.74	Inlet 16.75 Right & Sta. 0+50 (Old Annapolis Road)
MH-2	Standard Manhole	439.99	429.99	Manhole 21.00 Right & Sta. 0+50 (Hermitage Dr.)
I-3	Standard A-5 Inlet Width: 25"	428.66	422.05	Inlet 16.25 Right & Sta. 3+52.23 (Hermitage Dr.)
MH-1	Standard Manhole	422.41	418.17	Manhole 22.00 Right & Sta. 4+34 (Hermitage Dr.)
I-1	Standard A-5 Inlet Width: 25"	417.55	409.27	Inlet 16.25 Right & Sta. 5+35 (Hermitage Dr.)
I-5	Standard A-5 Inlet Width: 25"	416.58	410.40	Inlet 16.25 Left & Sta. 5+54 (Hermitage Dr.)
I-6	Standard A-5 Inlet Width: 25"	414.74	411.00	Inlet 16.25 Left & Sta. 0+53 (Nobel Circle)
I-2	Standard A-5 Inlet Width: 25"	414.09	410.50	Inlet 16.25 Right & Sta. 0+48.76 (Pulitzer Circle)
S-1	Standard Type 'C' Endwall	400.05	See Plan	
MH-1A	Standard Manhole	432.59	428.09	Manhole 21.00 Right & Sta. 2+39 (Hermitage Dr.)

Note:  
 Standard Manhole - Howard County Standard Dwg. D-103, Page 158  
 Standard A-5 Inlet - Howard County Standard Dwg. G-4-A, Page 112-A  
 Standard Type 'C' Endwall - Howard County Standard Dwg. D-52, Page 107  
 For Inlet Gutter Slope see Detail, Sheet 9 of 10.

APPROVED  
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE 3/12/76

PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION I AREA I  
 PLAN AND PROFILE  
 HERMITAGE DRIVE

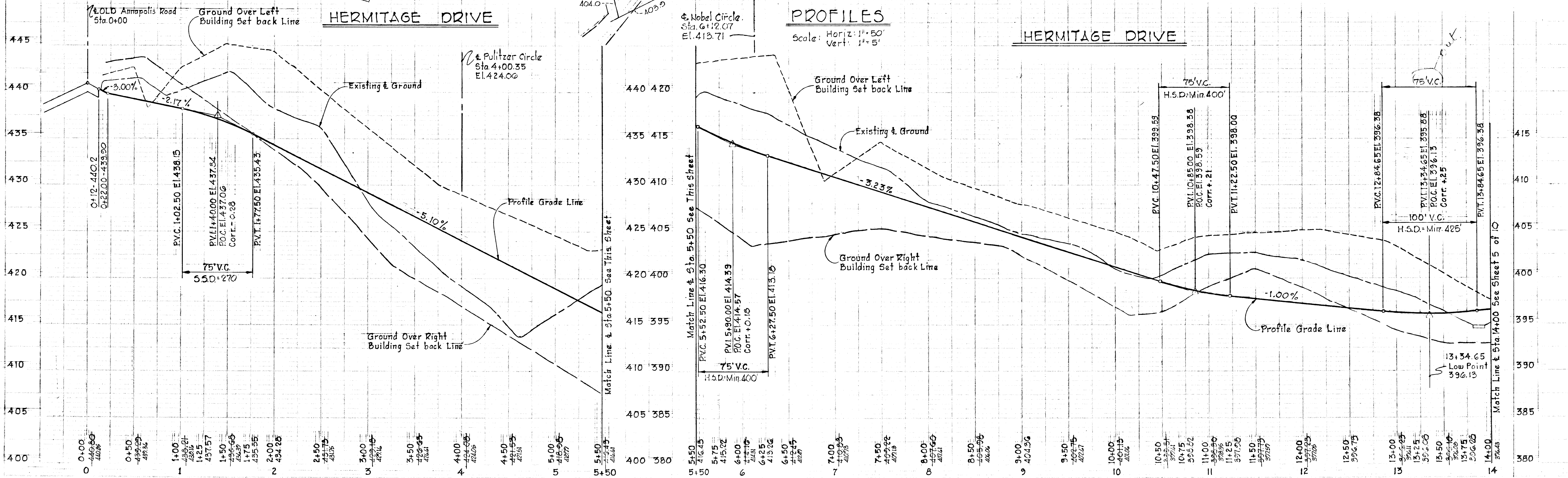
SCALE: AS SHOWN DATE  
 WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3318 LEE COURT  
 BALTIMORE, MARYLAND 21205

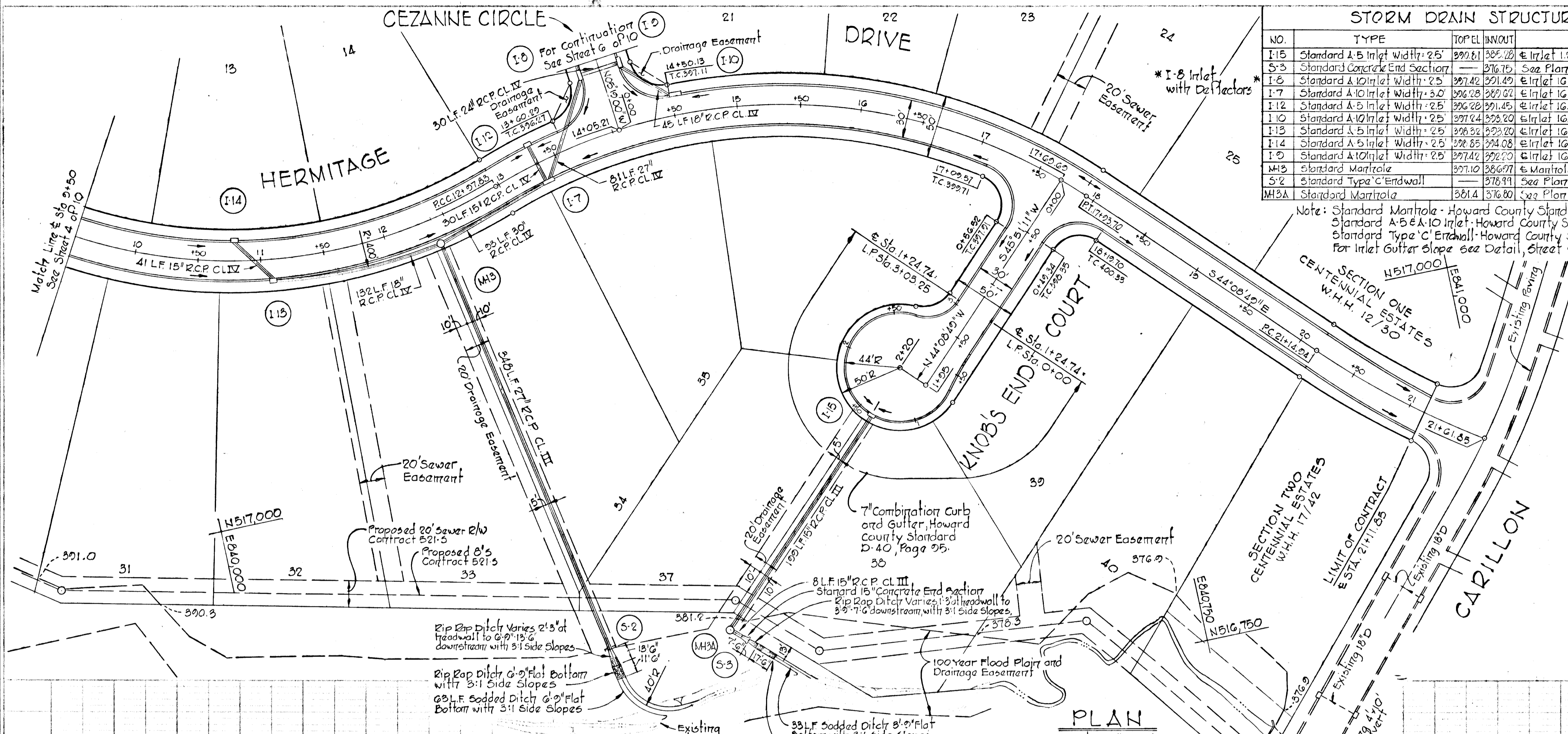
Kenneth A. McCord  
 Registered Engineer  
 No. 1974

**PLAN**  
 Scale: 1" = 50'

Note:  
 For Storm Drain Profiles see Sheet 7 of 10



**PROFILES**  
 Scale: Horiz: 1" = 50'  
 Vert: 1" = 5'



### STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	TOP EL	INLET	LOCATION
I-15	Standard A-5 Inlet Width: 25"	392.21	392.28	Inlet 1.25 Back L.P. Sta. 11+37.06 (Knob's End Ct.)
S-3	Standard Concrete End Section	376.75	See Plan and Profile	
I-8	Standard A-10 Inlet Width: 25"	397.42	397.49	Inlet 16.25 Left & Sta. 0+49.92 (Cezanne Circle)
I-7	Standard A-10 Inlet Width: 30"	396.28	397.07	Inlet 16.50 Right & Sta. 13+54.65 (Hermitage Dr.)
I-12	Standard A-5 Inlet Width: 25"	396.20	397.45	Inlet 16.25 Left & Sta. 13+54.65 (Hermitage Dr.)
I-10	Standard A-10 Inlet Width: 25"	397.24	398.20	Inlet 16.25 Left & Sta. 14+55.19 (Hermitage Dr.)
I-13	Standard A-5 Inlet Width: 25"	396.32	398.20	Inlet 16.25 Right & Sta. 11+00 (Hermitage Dr.)
I-14	Standard A-5 Inlet Width: 25"	396.85	397.08	Inlet 16.25 Left & Sta. 10+80 (Hermitage Dr.)
I-9	Standard A-10 Inlet Width: 25"	397.42	397.20	Inlet 16.25 Right & Sta. 0+49.92 (Cezanne Circle)
M-3	Standard Manhole	397.10	386.97	Manhole 20.00 Right & Sta. 12+37.55 (Hermitage Dr.)
S-2	Standard Type 'C' Endwall	378.91	See Plan and Profile	
M-3A	Standard Manhole	381.4	376.80	See Plan and Profile

Note: Standard Manhole - Howard County Standard Dwg. D-103, Page 15B  
 Standard A-5 & A-10 Inlet - Howard County Standard Dwg. G-4, Page 119 A  
 Standard Type 'C' Endwall - Howard County Standard Dwg. D-52, Page 107  
 For Inlet Gutter Slope See Detail, Street 2 of 10

DEPARTMENT OF PUBLIC WORKS  
*Drewville M. McLeod* 3/24/76  
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING AND ZONING  
*J.H. Clauson* 3/22/76  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
 AND TRANSPORTATION PLANNING

### CURVE DATA

PC	PT	PI	EA	CB
P.C. 7+70.74	P.C. 12+97.83	P.I. 14+05.21	E.A. 487.00'	C.B. 487.00'
R: 400.00'			R: 435.00'	
A: 527.00'			A: 364.48'	
T: 309.71'			T: 193.71'	
Ch: 489.77'			Ch: 353.91'	
Brg: S71°42'31"E			Brg: S71°16'47"E	
P.C. 12+97.83	P.C. 14+05.21	P.I. 17+09.92	E.A. 487.00'	C.B. 487.00'
R: 435.00'			R: 435.00'	
A: 107.56'			A: 24.01'	
T: 53.96'			T: 12.01'	
Ch: 107.10'			Ch: 24.01'	
Brg: N77°30'49"E			Brg: S45°45'42"E	
P.C. 21+14.94	P.C. 21+61.85	P.I. 21+61.85	E.A. 487.00'	C.B. 487.00'
R: 700.00'			R: 700.00'	
A: 150.01'			A: 150.01'	
T: 75.75'			T: 75.75'	
Ch: 150.02'			Ch: 150.02'	
Brg: S50°19'23"E			Brg: S50°19'23"E	

Notes:  
 1. For Cul-De-Sac Curve Data See Street 2 of 10.  
 2. For Storm Drain Profiles See Street 7 of 10.

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 DIVISION OF LAND DEVELOPMENT  
 AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE 3/12/76  
*J.H. Clauson*

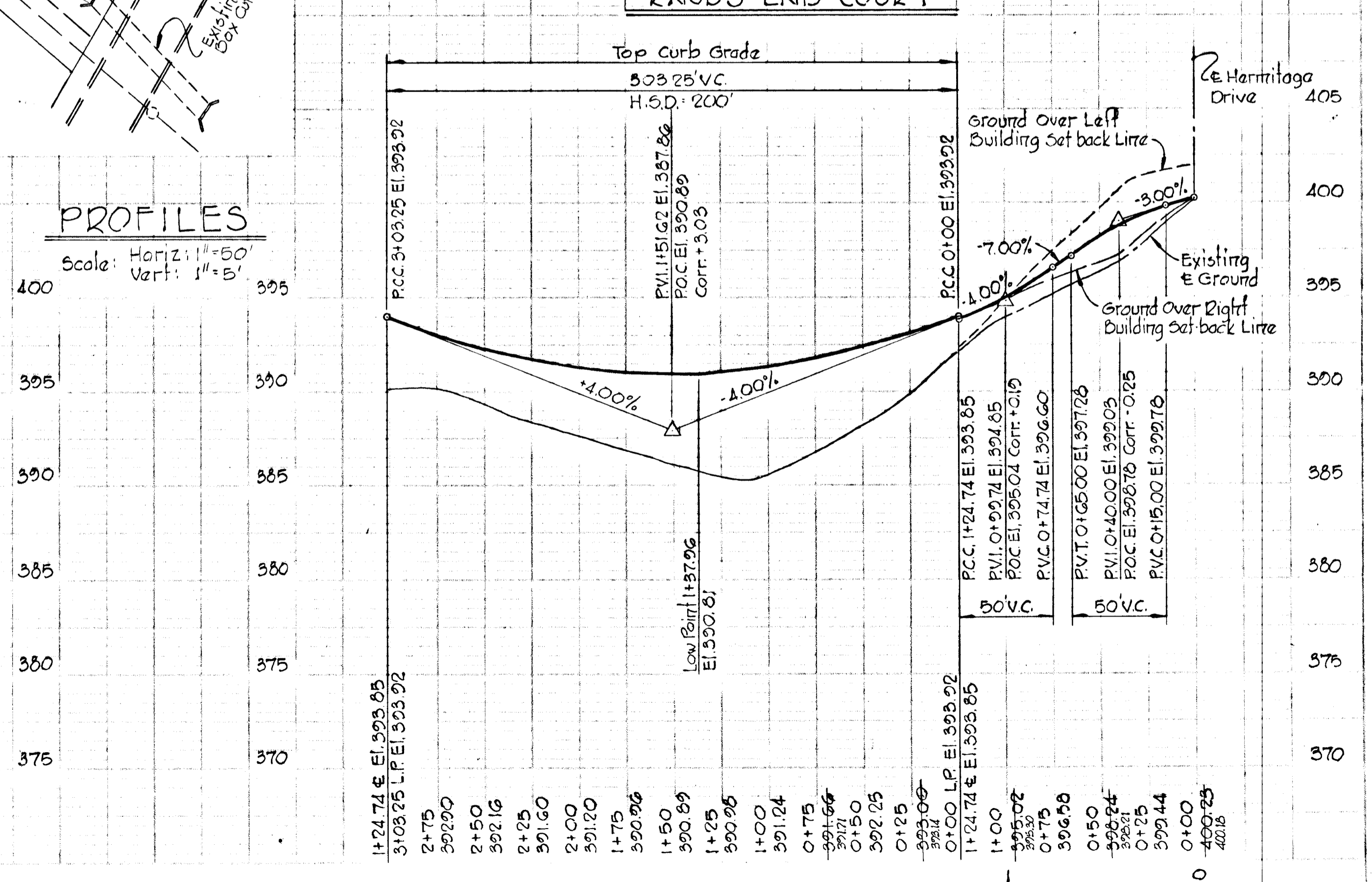
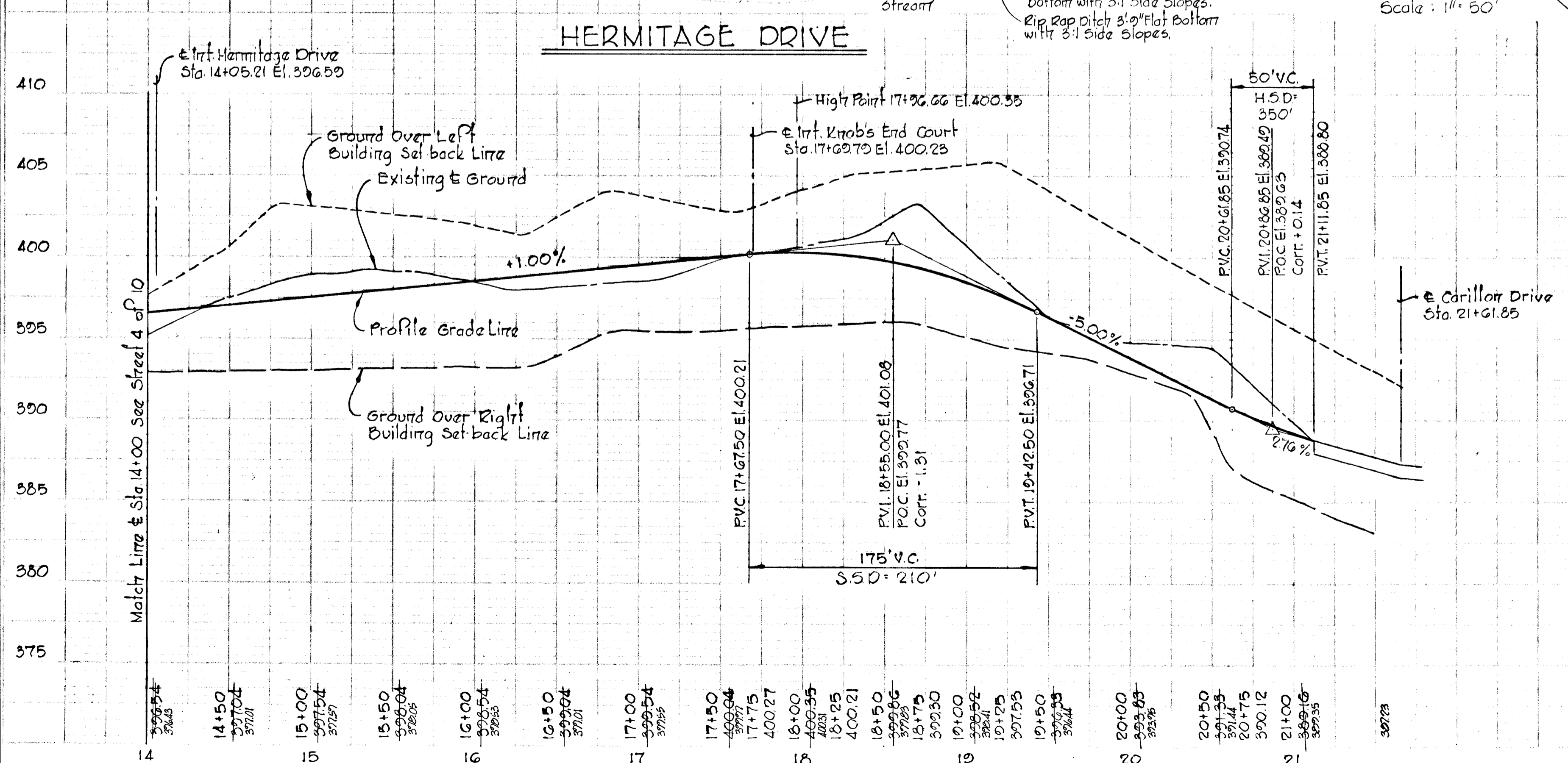
DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 5318 LEE COURT  
 BALTIMORE, MARYLAND 21208

PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION I AREA I  
 PLAN AND PROFILES  
 HERMITAGE DRIVE & KNOB'S END COURT

SCALE: AS SHOWN DATE:

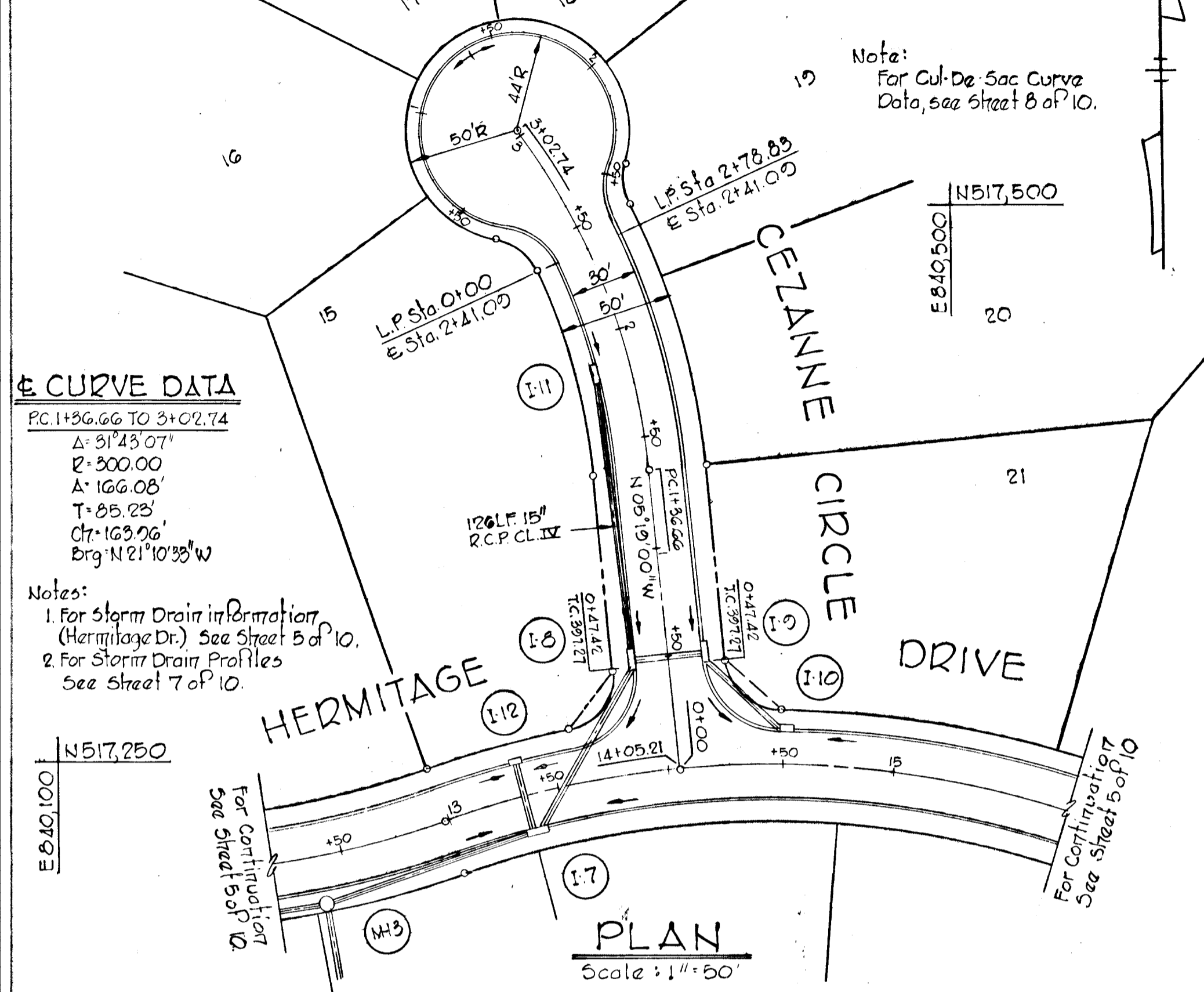
WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

*Kenneth A. McLeod*  
 KENNETH A. McLEOD  
 Registered Engineer  
 No. 1974



STORM DRAIN STRUCTURE SCHEDULE				
NO.	TYPE	TOP EL	INVERT	LOCATION
I-11	Standard 18" Inlet Width = 25'	404.65	400.04	E. Inlet 16.25' Left of Sta. 1+83.3 (Cezanne Circle)

Note: Standard 18" Inlet Howard County, Standard Dwg. 64-A, Page 119-A for Inlet Gutter Slope see Detail, Sheet 9 of 10.  
 \*Fill with Deflectors



**CURVE DATA**  
 PC: 1+36.66 TO 3+02.74  
 Δ: 51°43'07"  
 R: 300.00  
 L: 166.08'  
 T: 85.23'  
 Ch: 123.06'  
 Brg: N 21°10'33"W

Notes:  
 1. For Storm Drain Information (Hermitage Dr.) See Sheet 5 of 10.  
 2. For Storm Drain Profiles See Sheet 7 of 10.

DEPARTMENT OF PUBLIC WORKS  
*James H. McCreedy* 3/24/76  
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING AND ZONING  
*J. H. Clauson* 3/24/76  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

APPROVED  
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE 3/12/76  
*J. H. Clauson*

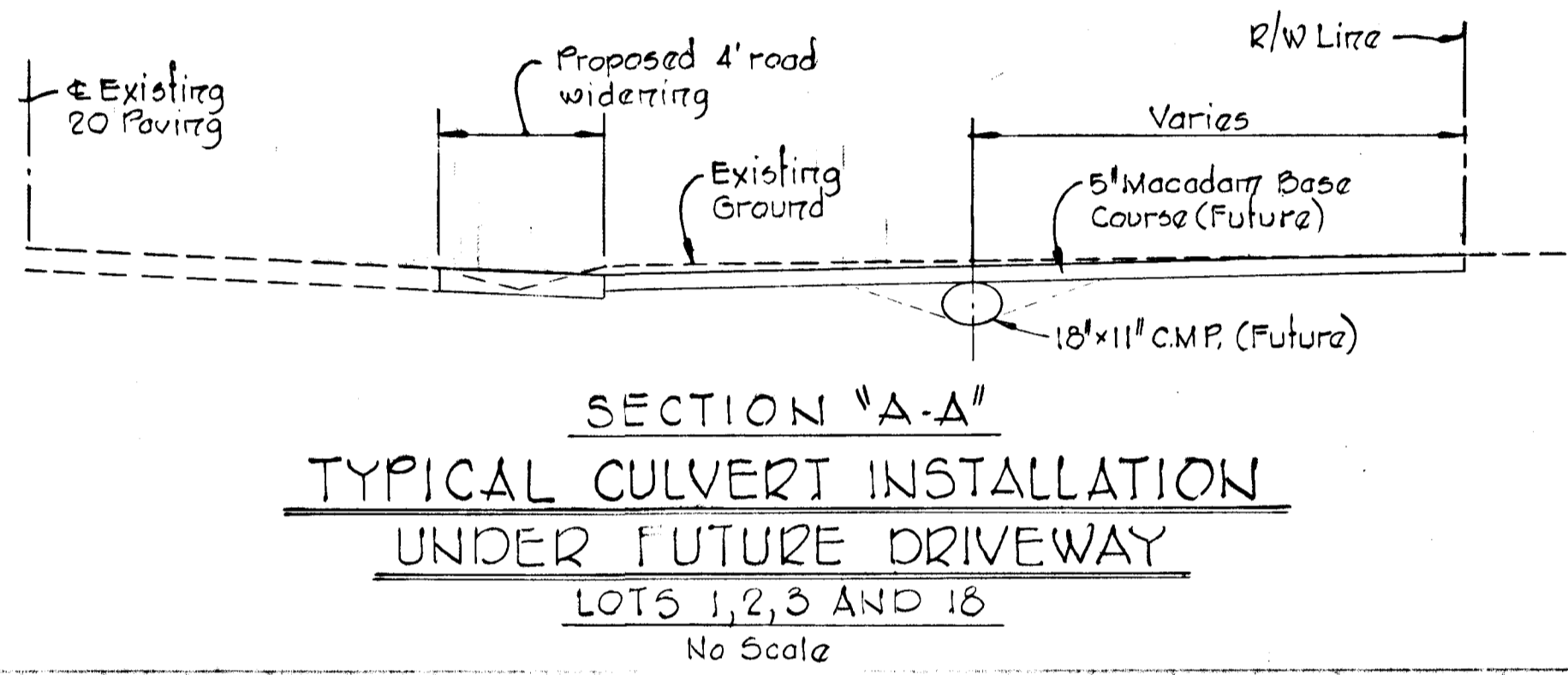
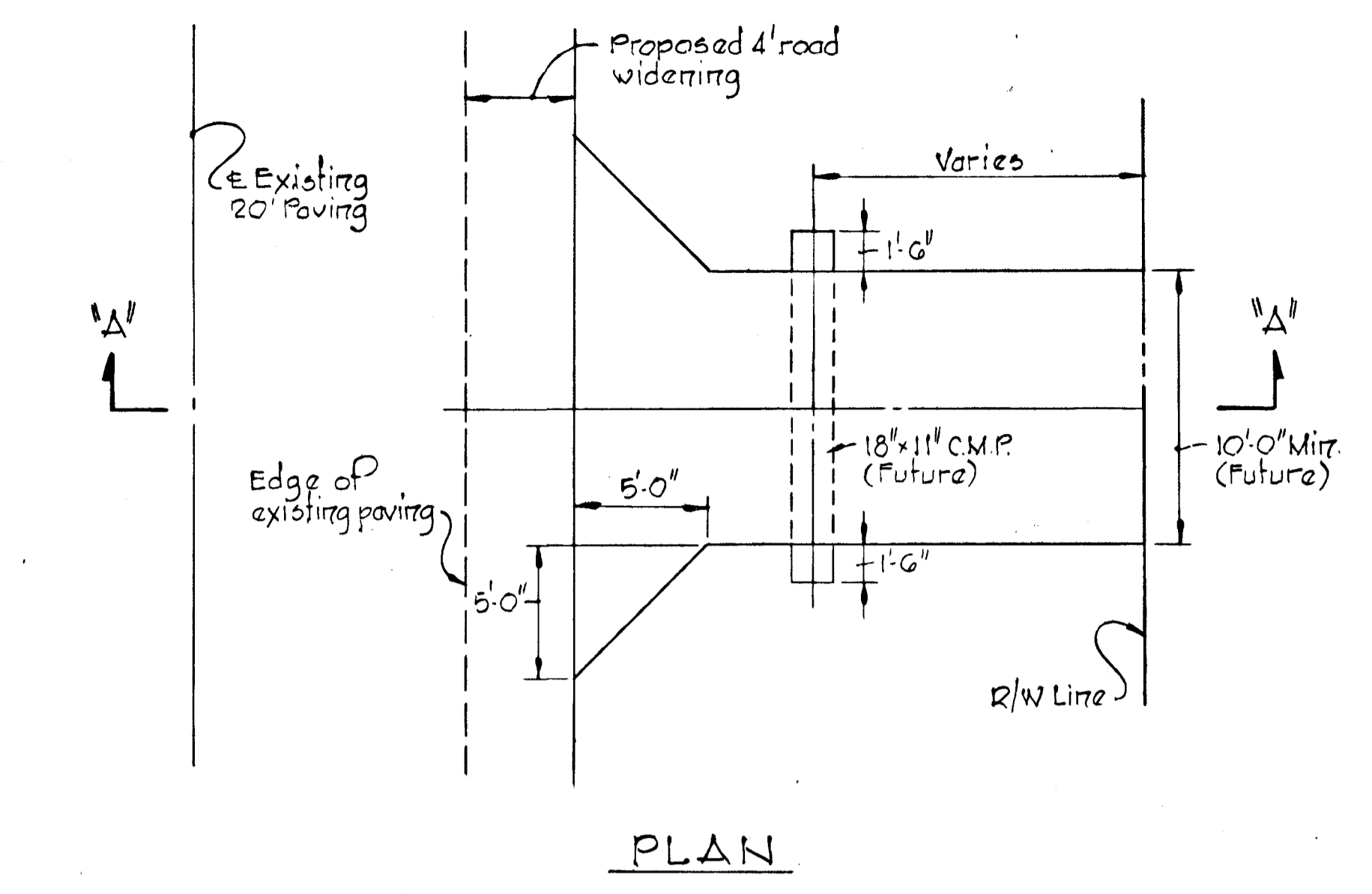
PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION I AREA I  
 PLAN AND PROFILE - CEZANNE CIRCLE PROFILES - PULTITZER CIRCLE AND NOBEL CIRCLE

SCALE: AS SHOWN DATE:

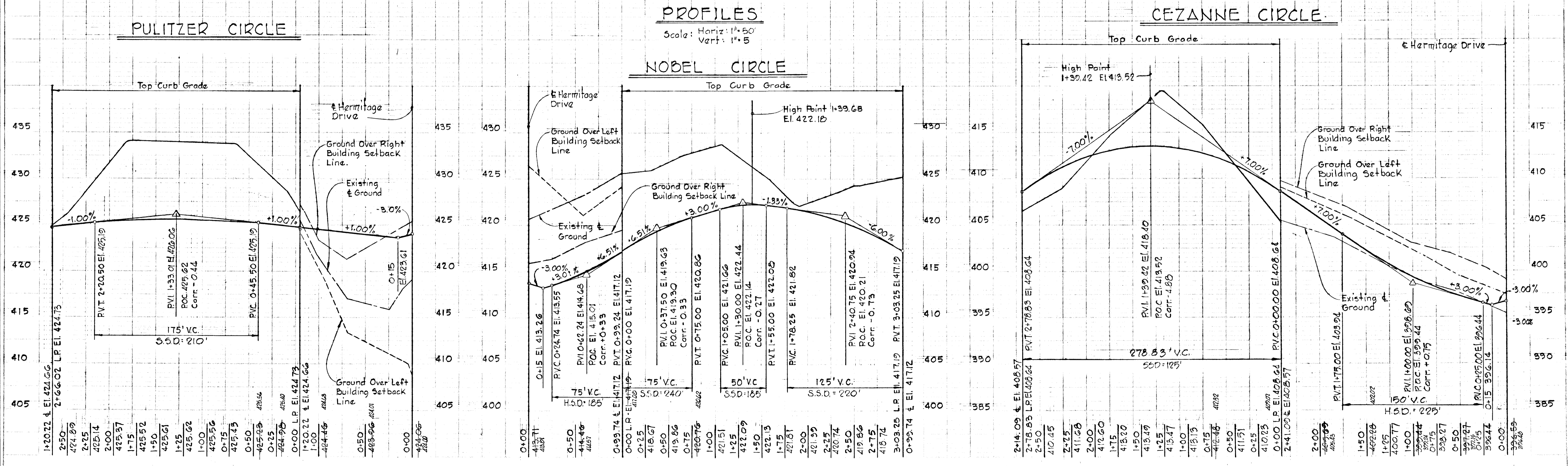
WHITMAN, REQUART & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3318 LEE COURT  
 BALTIMORE, MARYLAND 21208

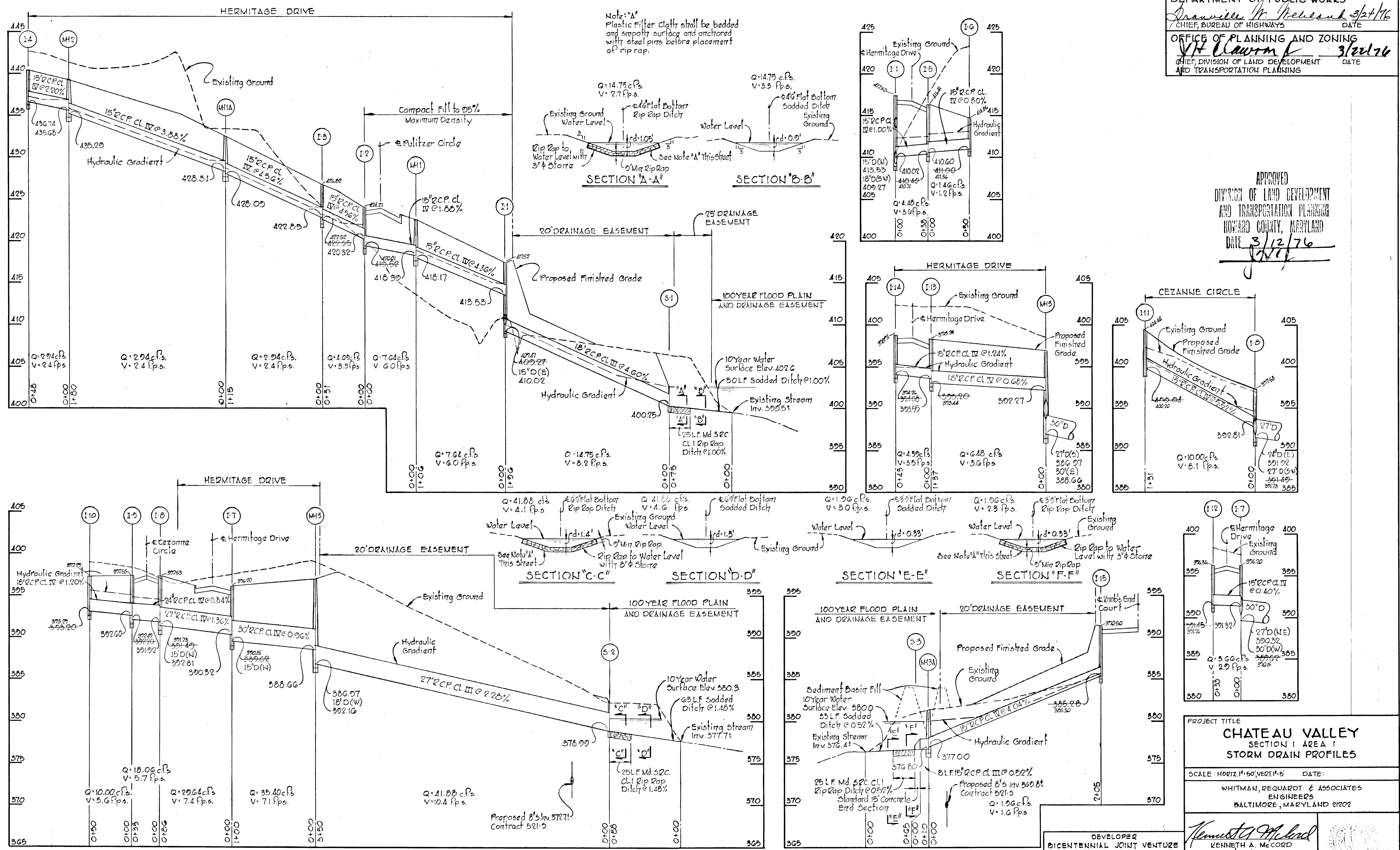
*Kenneth A. McCord*  
 KENNETH A. MCCORD  
 Registered Engineer  
 No. 1974



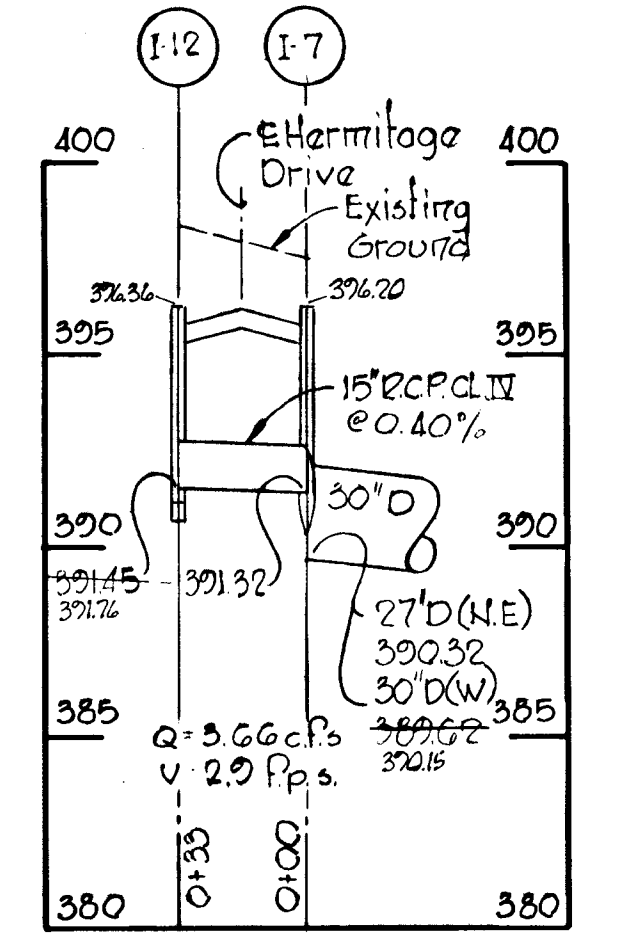
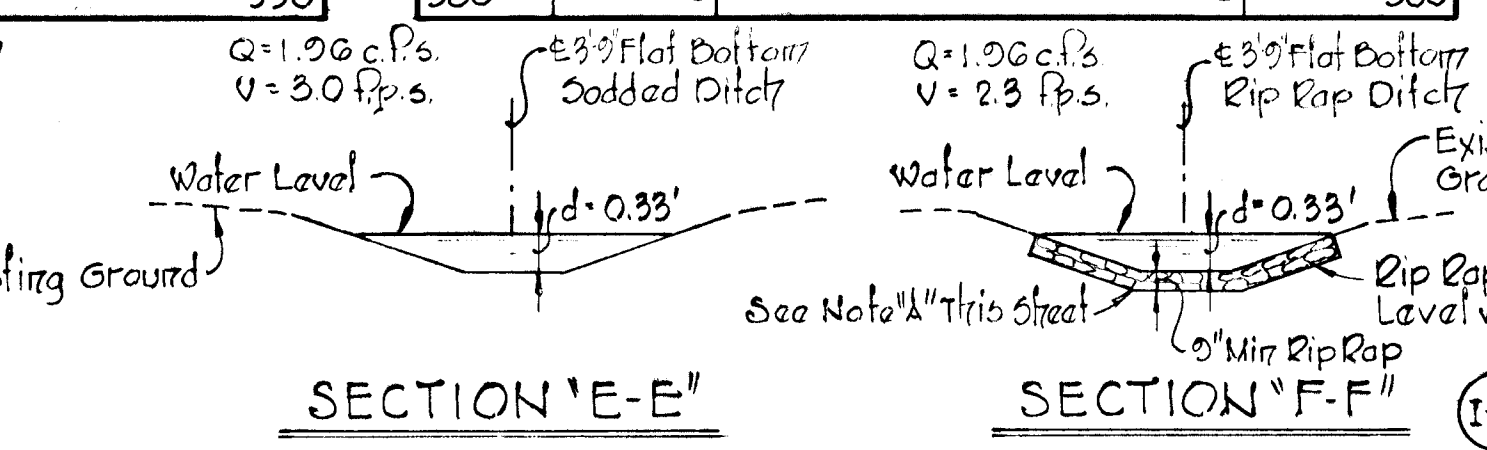
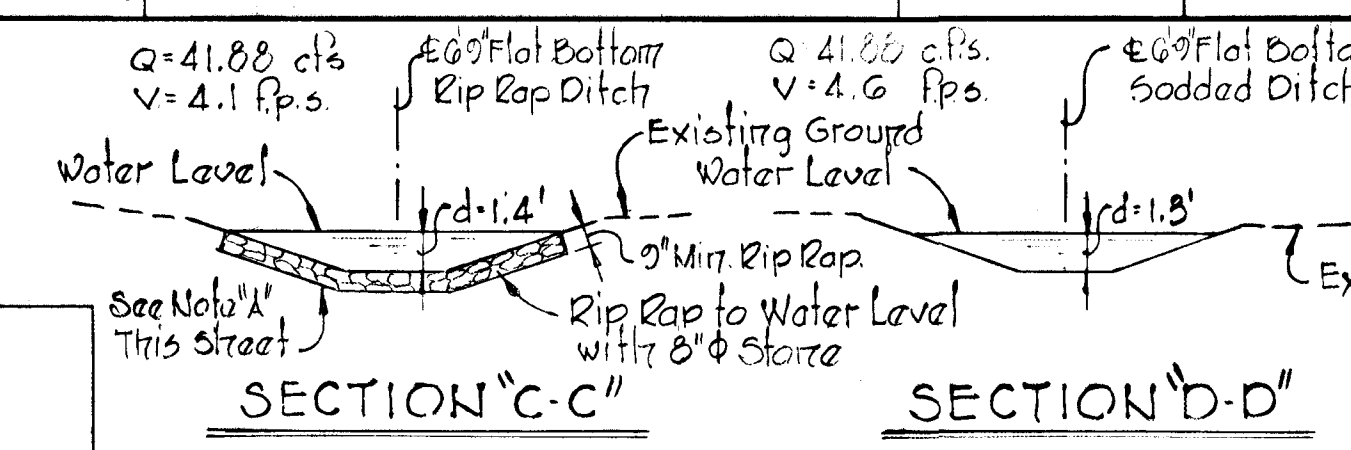
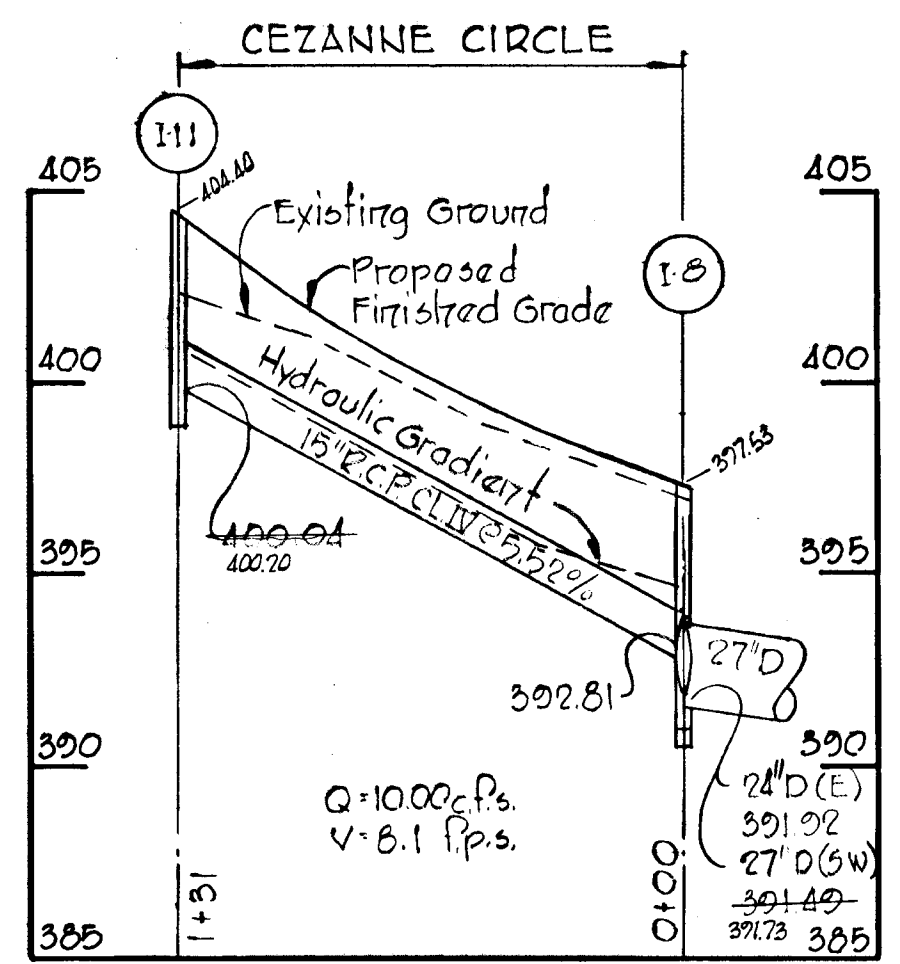
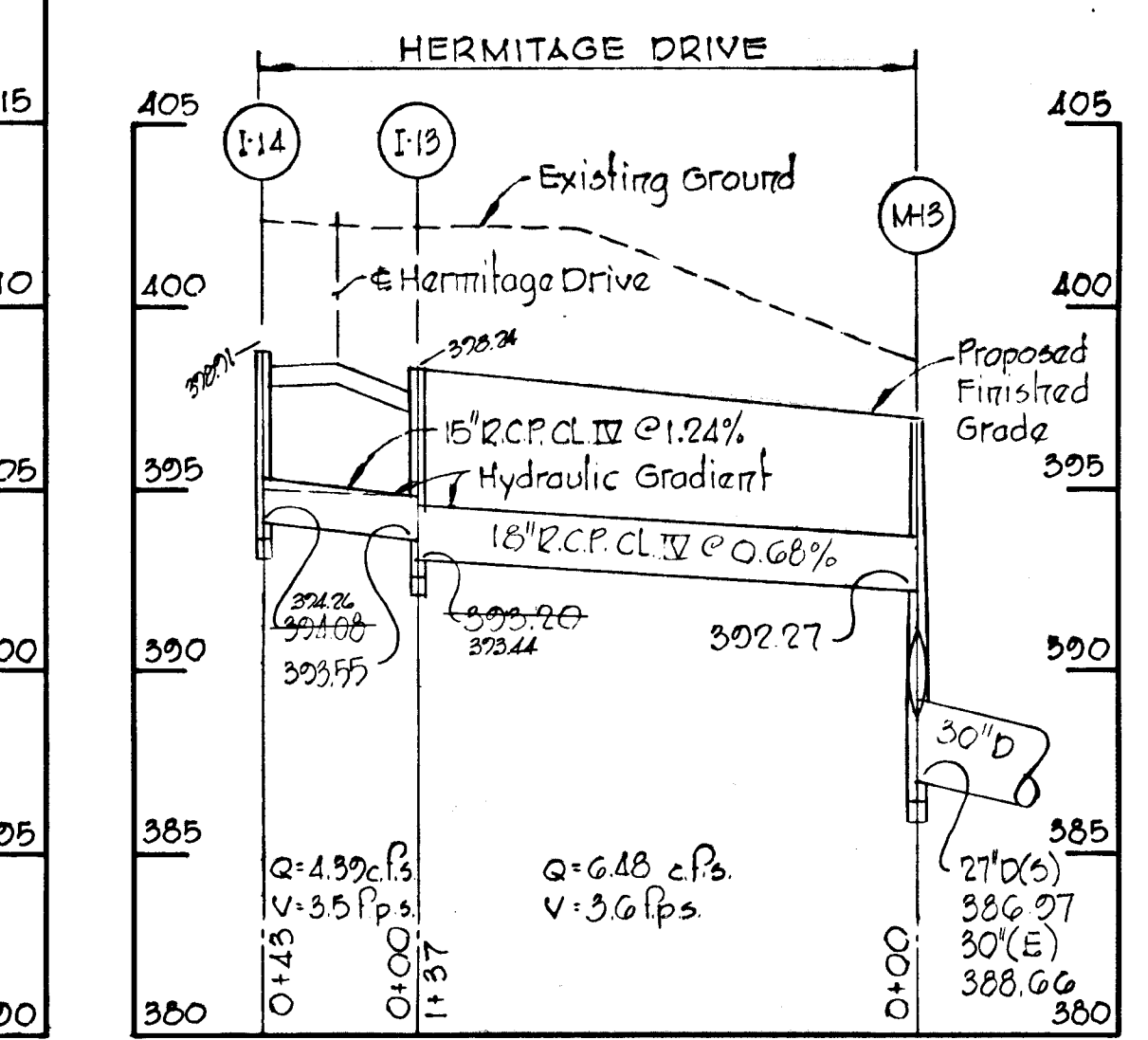
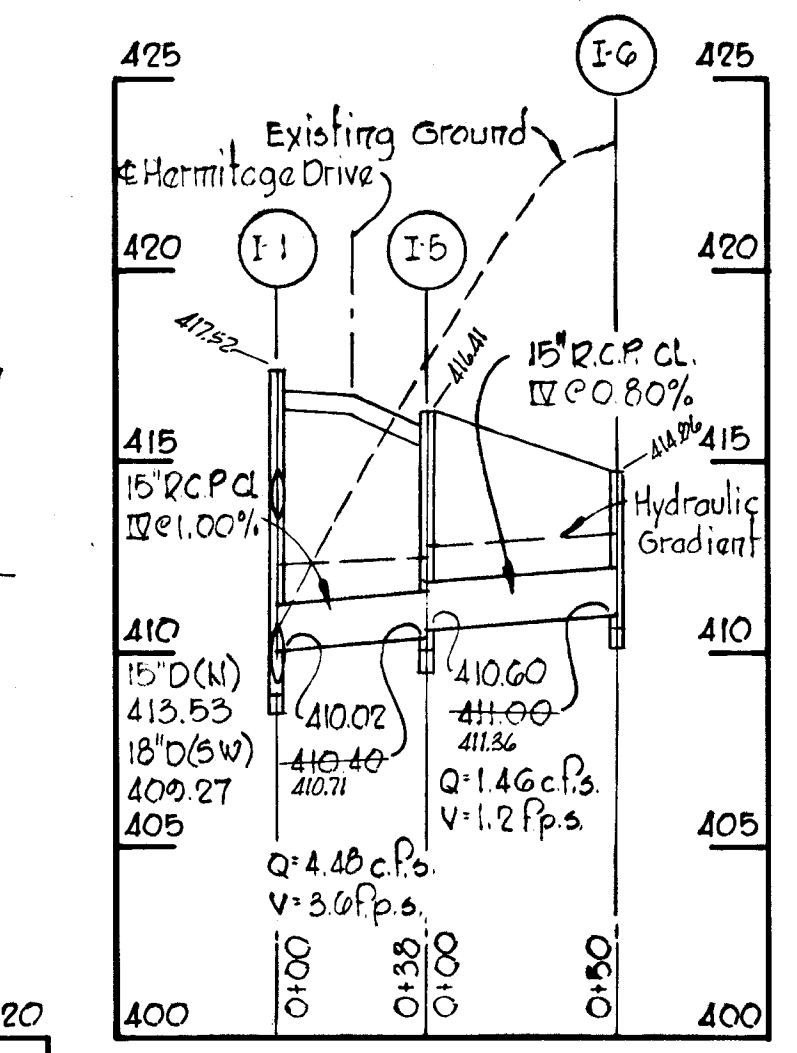
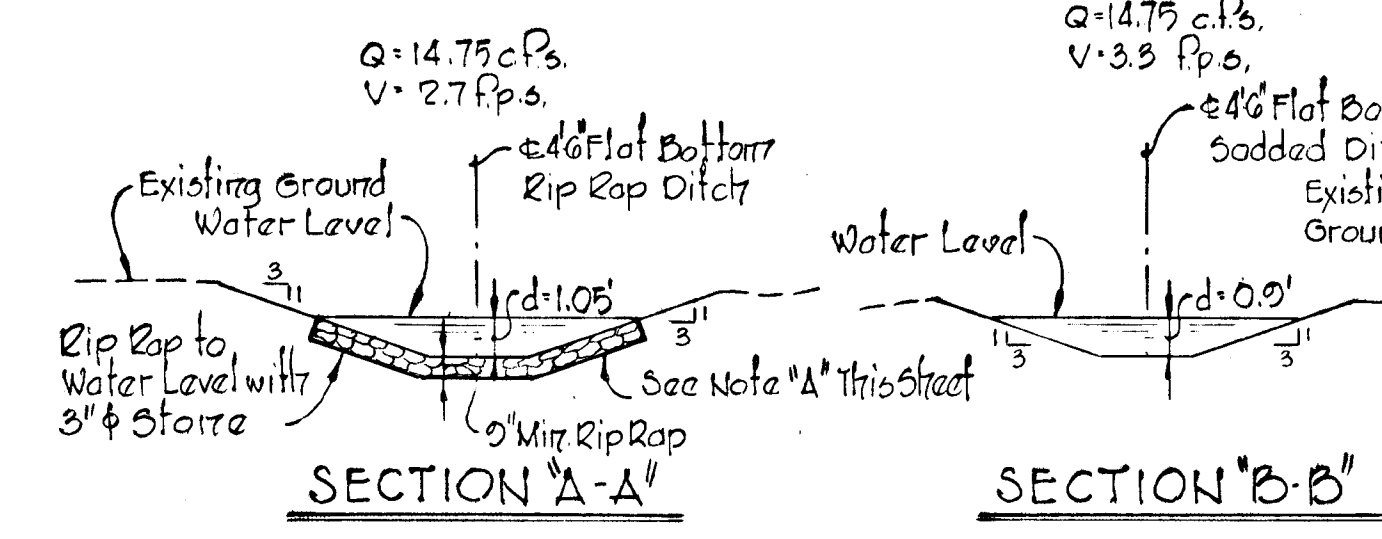
SECTION "A-A"  
 TYPICAL CULVERT INSTALLATION  
 UNDER FUTURE DRIVEWAY  
 LOTS 1, 2, 3 AND 18  
 No Scale



APPROVED  
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE 3/12/76  
*[Signature]*



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



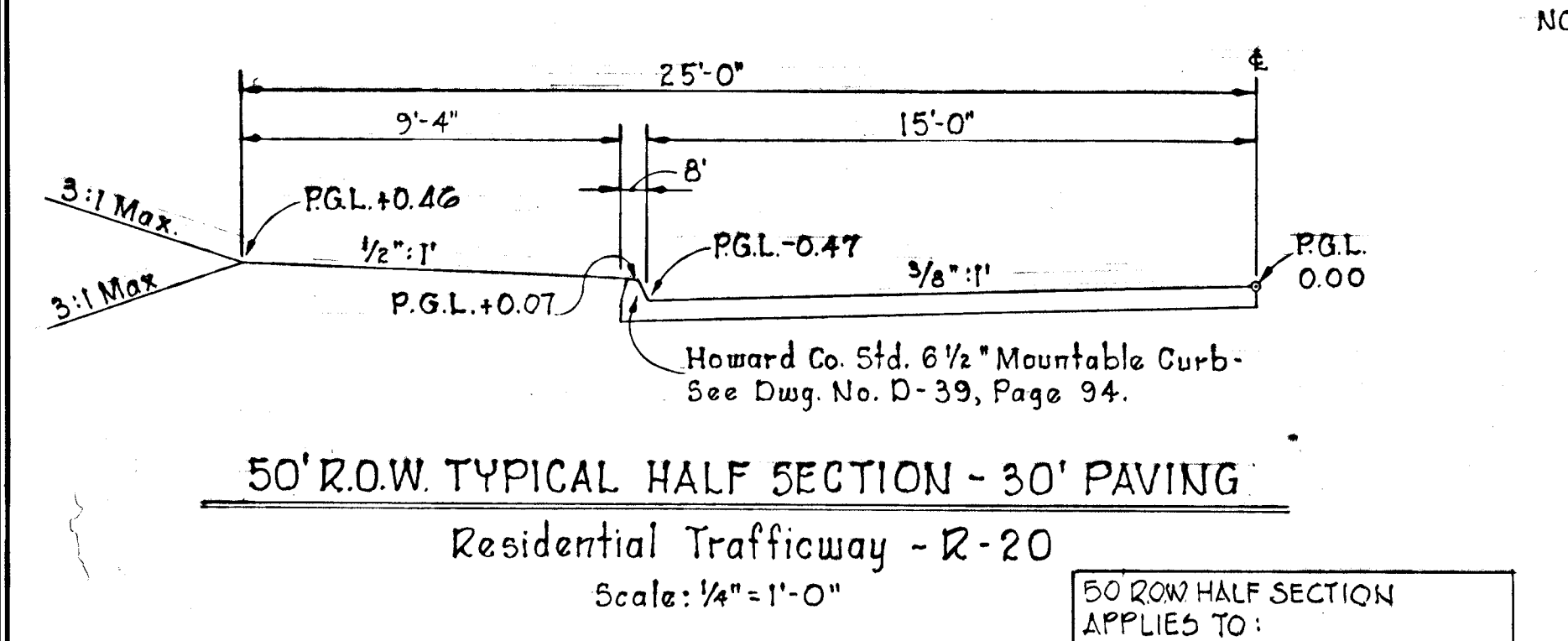
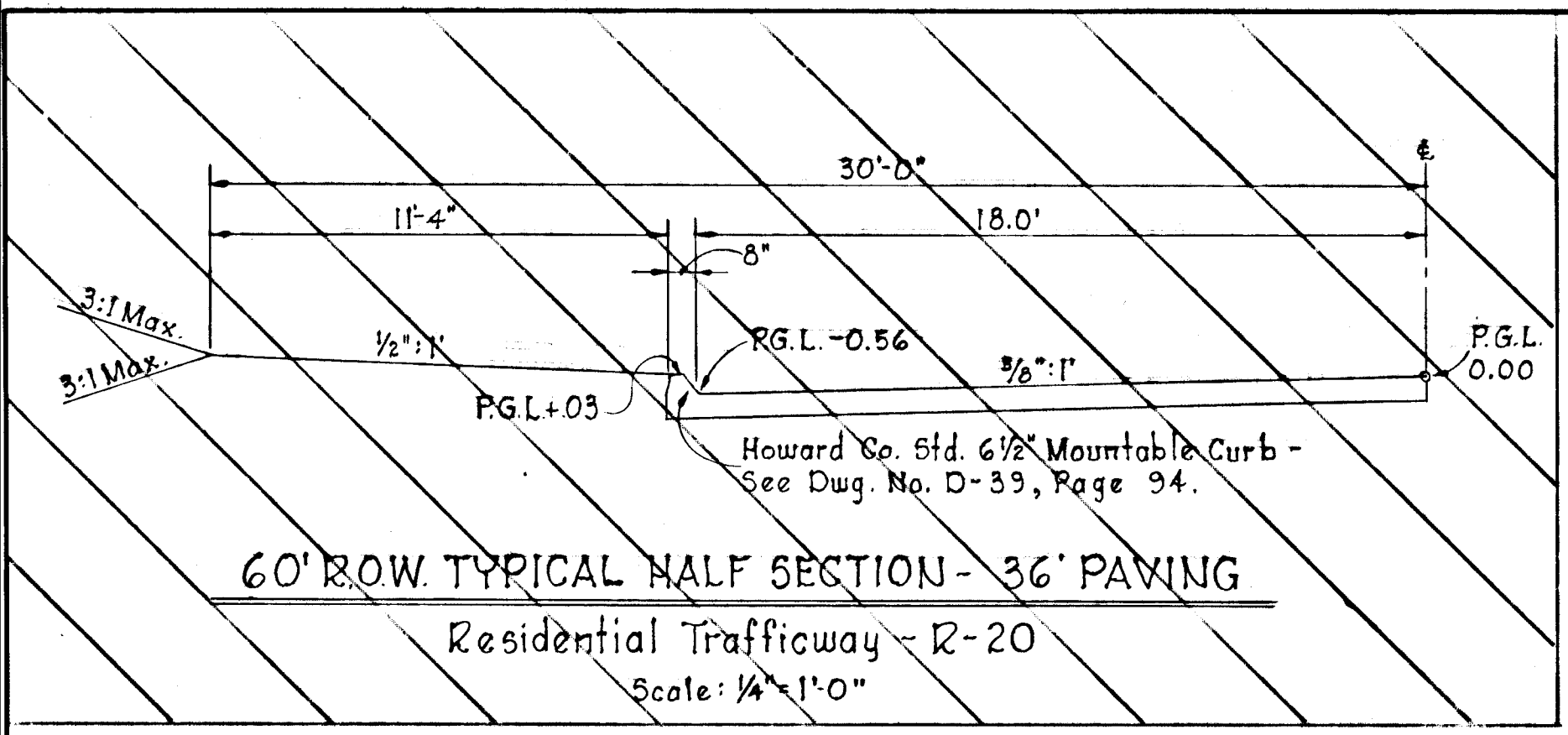
PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION I AREA I  
 STORM DRAIN PROFILES

SCALE: HORIZ. 1"=50', VERT. 1"=5' DATE:

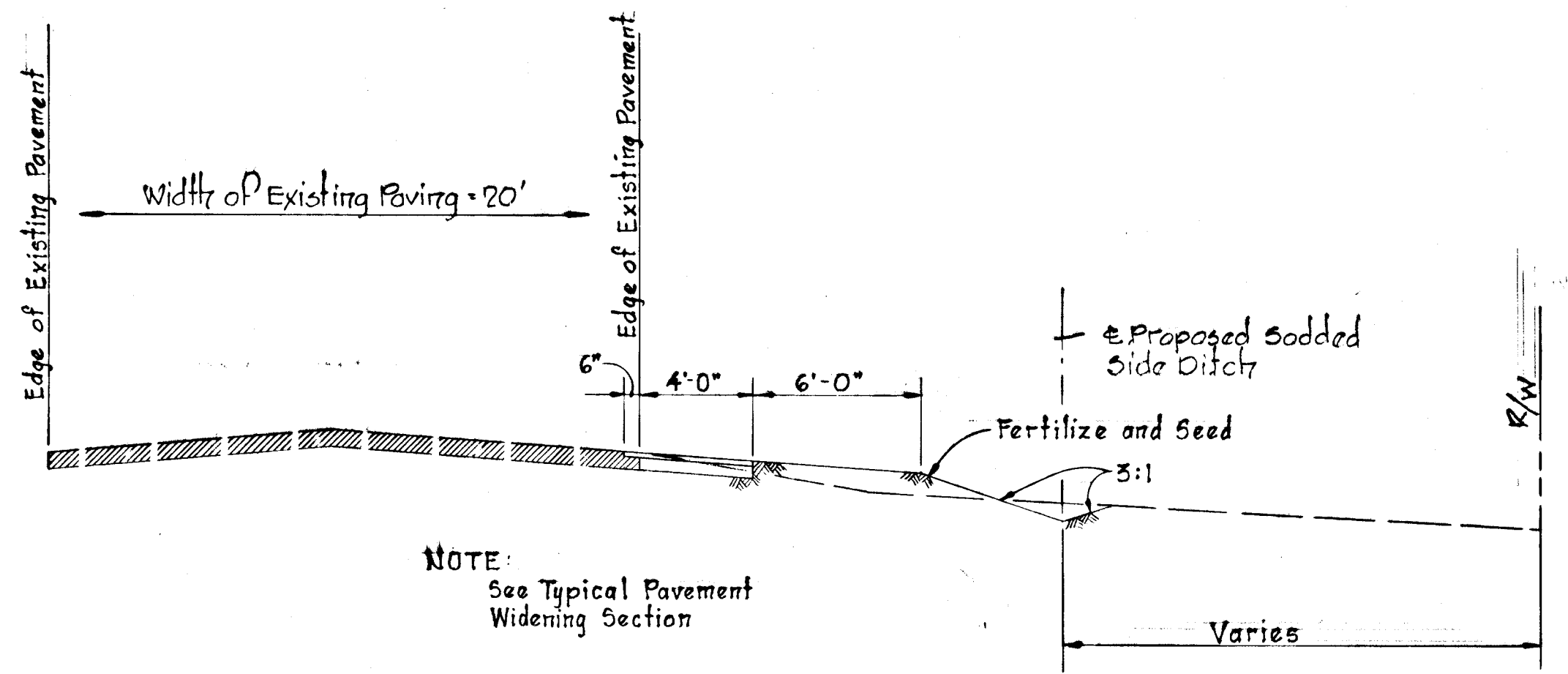
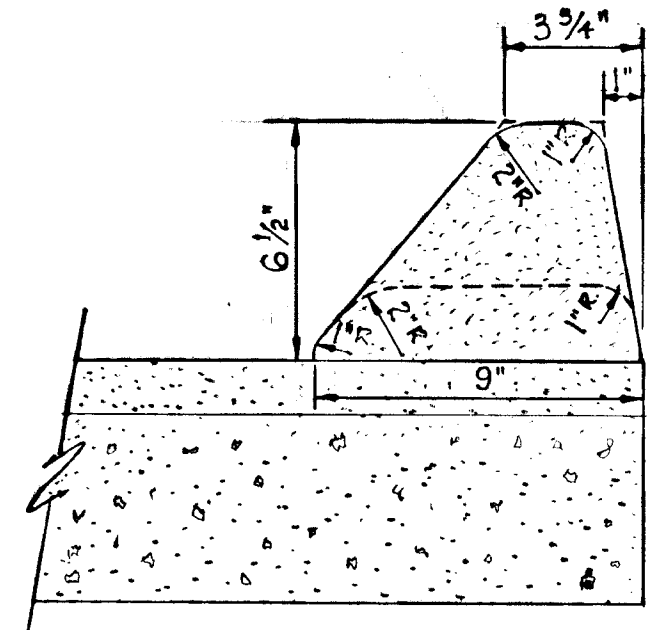
WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3315 LEE COURT  
 BALTIMORE, MARYLAND 21205

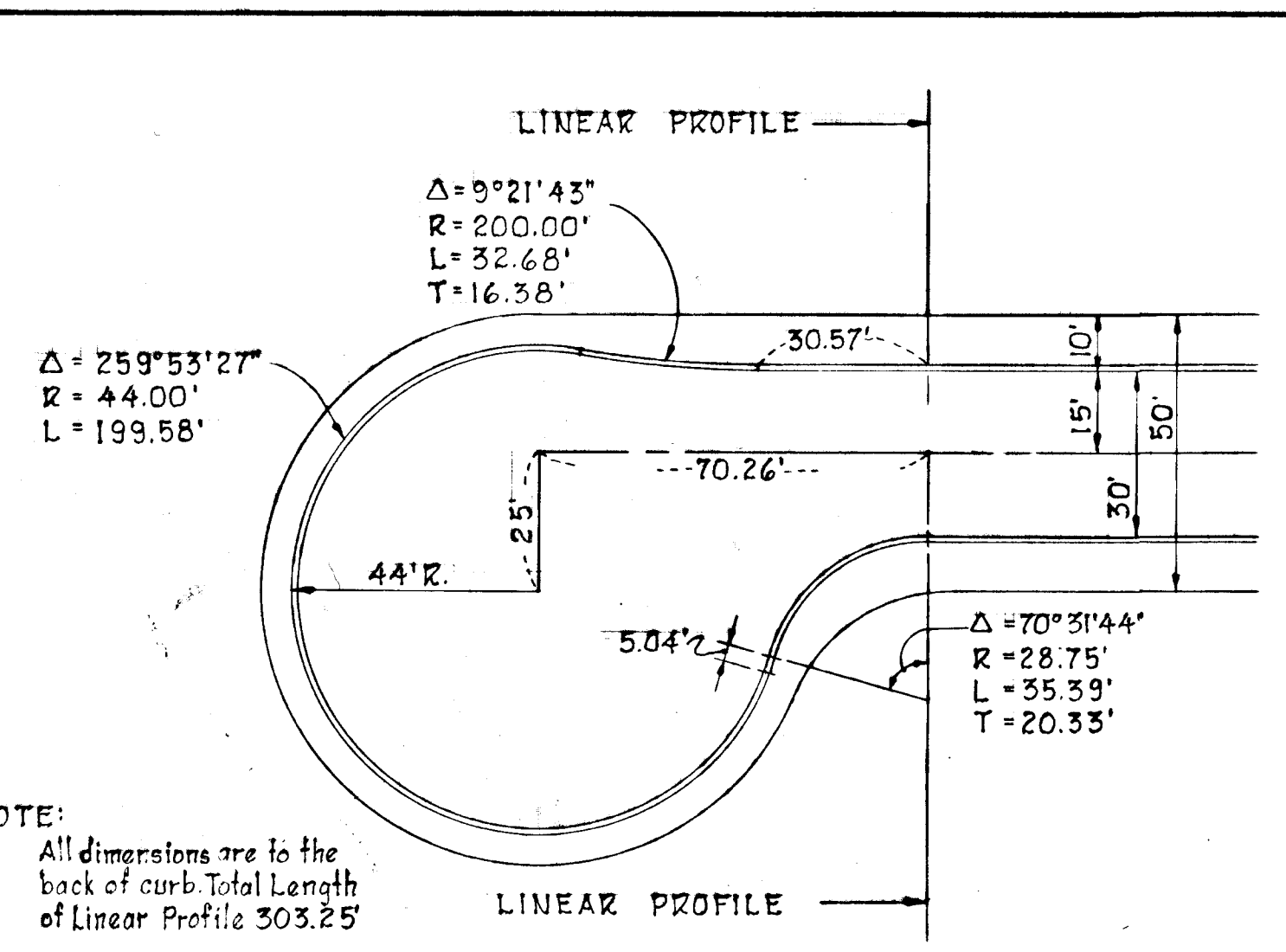
*Kenneth A. McCord*  
 KENNETH A. MCCORD  
 Registered Engineer  
 No. 1974



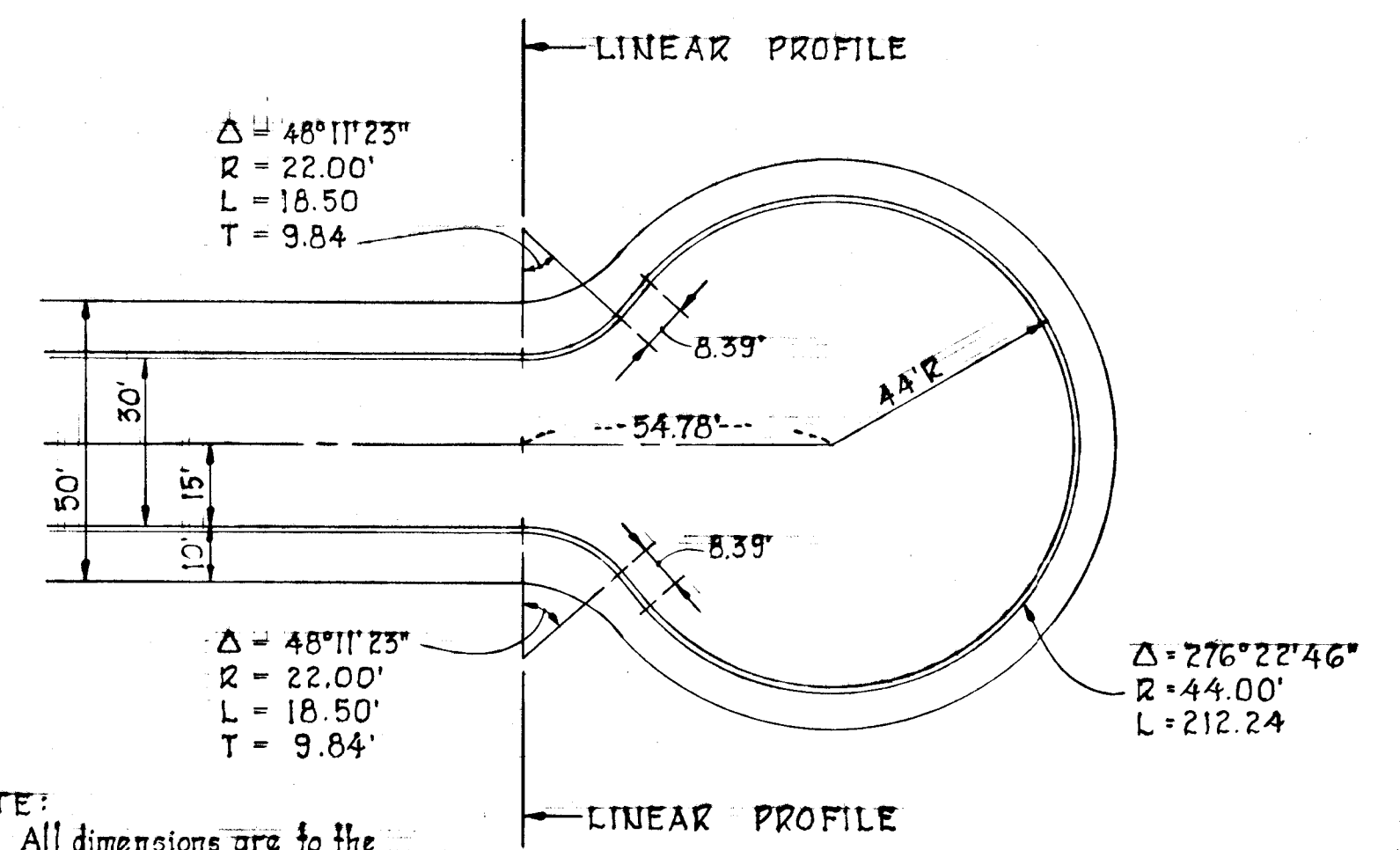
50' ROW HALF SECTION APPLIES TO:  
 Hamitoga Dr - 0+00 to 2+11.85  
 Pulitzer Circle - 0+00 to 1+20.22  
 Nobel Circle - 0+00 to 0+99.74  
 Cezanne Circle - 0+00 to 2+41.09  
 Knob's End Ct. - 0+00 to 1+24.74



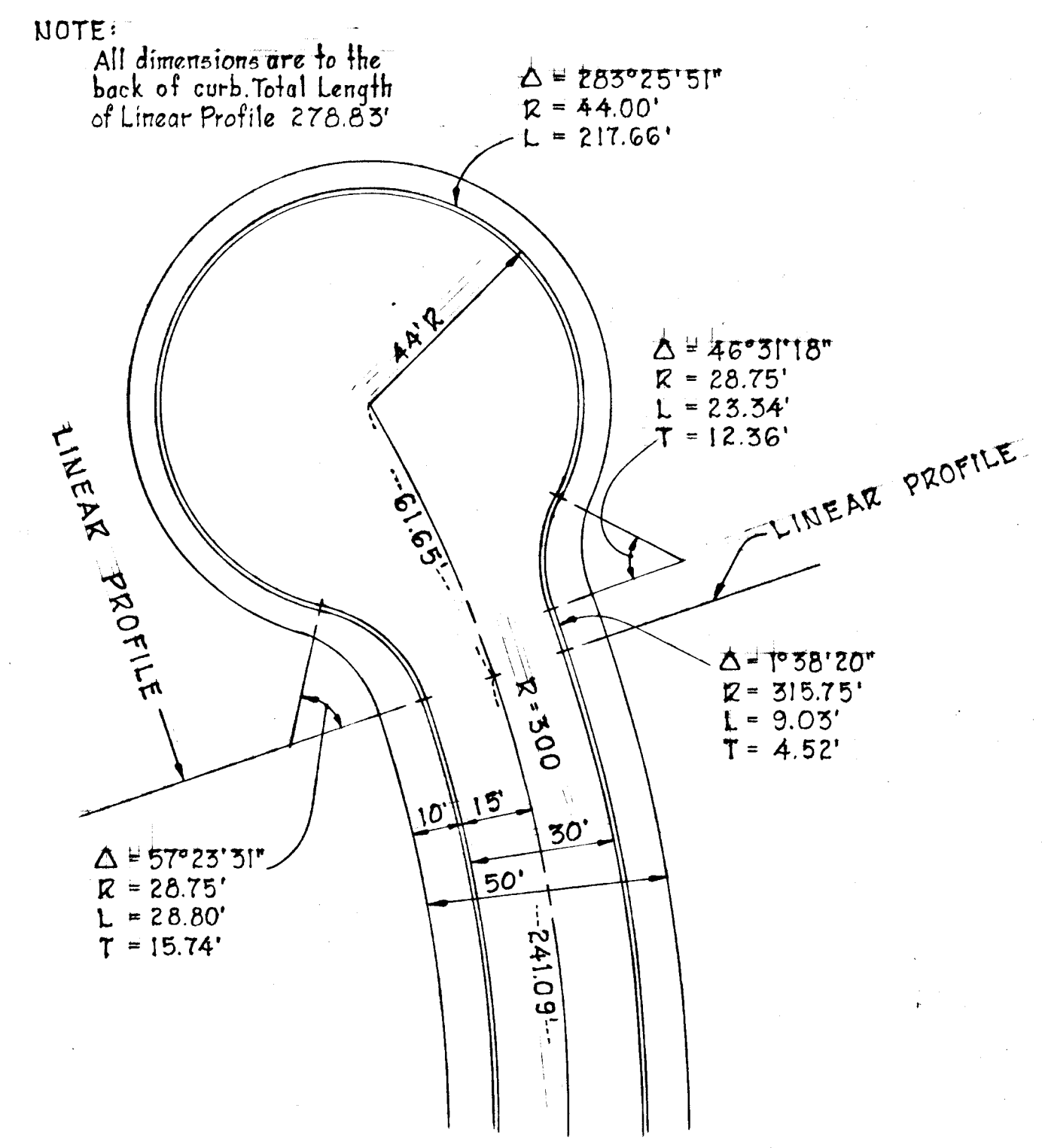
TYPICAL SECTION OF IMPROVEMENT TO  
 OLD ANNAPOLIS ROAD  
 Scale: 1" = 5'-0"



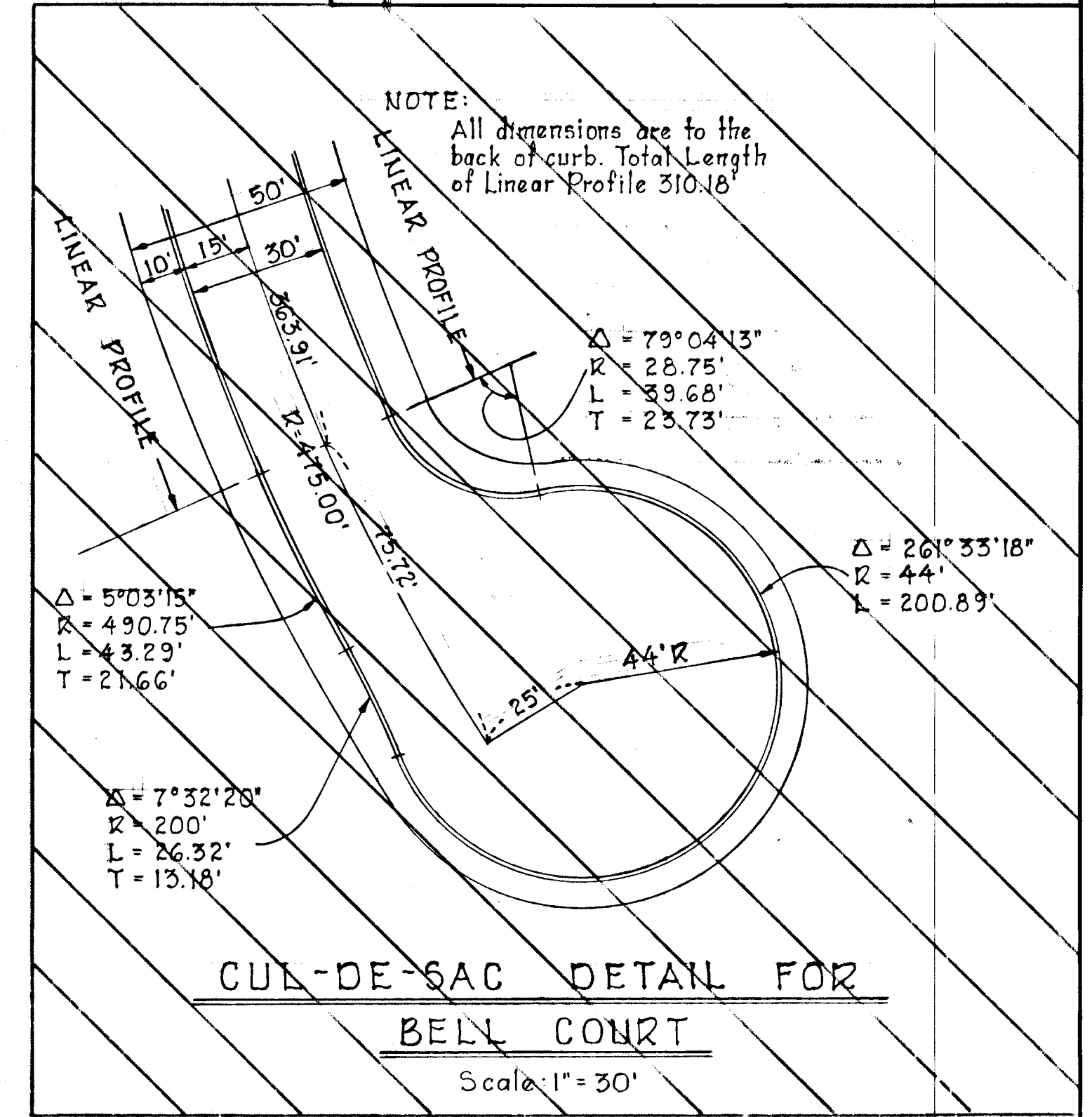
CUL-DE-SAC DETAIL FOR  
 NOBEL CIRCLE AND KNOB'S END COURT  
 Scale: 1" = 30'



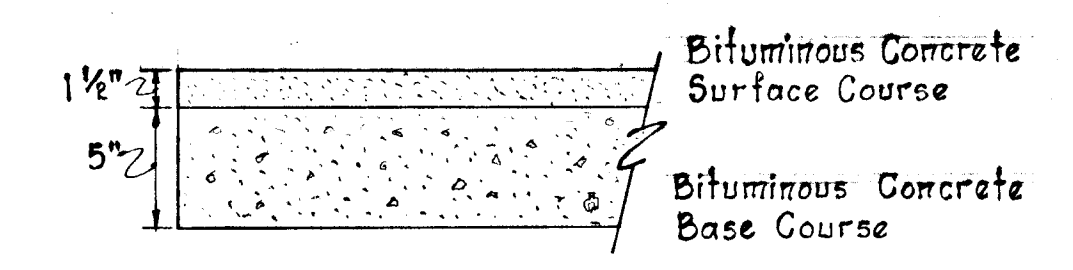
CUL-DE-SAC DETAIL FOR  
 PULITZER CIRCLE  
 Scale: 1" = 30'



CUL-DE-SAC DETAIL FOR  
 CEZANNE CIRCLE  
 Scale: 1" = 30'

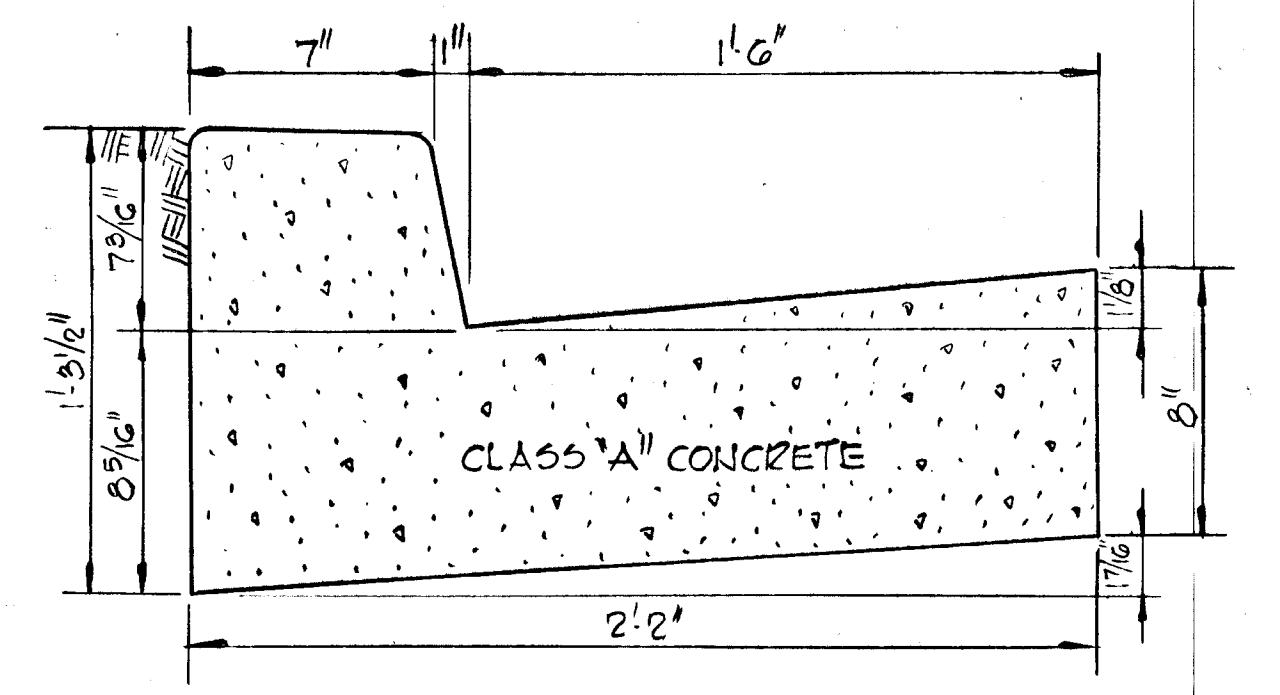


CUL-DE-SAC DETAIL FOR  
 BELL COURT  
 Scale: 1" = 30'

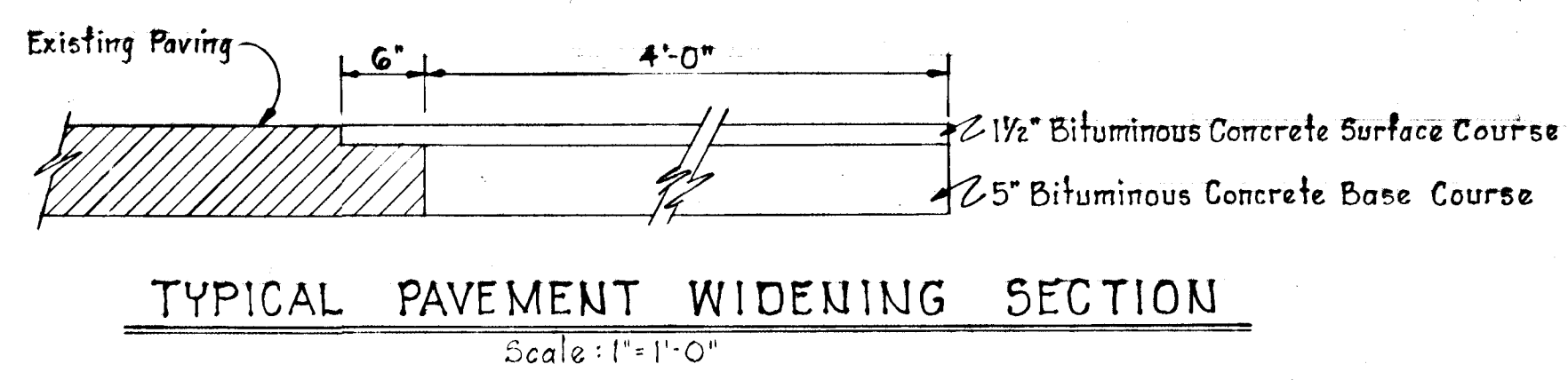


NOTE:  
 1) See Howard Co. Std. Drug. D-5, Page 60.  
 2) A tack coat is required in accordance with Howard County Road Construction Code.

TYPICAL PAVING SECTION  
 Scale: 1" = 1/2'



STANDARD 7' COMBINATION  
 CURB & GUTTER  
 No Scale



TYPICAL PAVEMENT WIDENING SECTION  
 Scale: 1" = 1'-0"

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 DIVISION OF LAND DEVELOPMENT  
 AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE: 3/12/76  
*John*

PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION I AREA I  
 ROADWAY DETAILS

SCALE: AS SHOWN DATE:  
 WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3318 LEE COURT  
 BALTIMORE, MARYLAND 21208

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

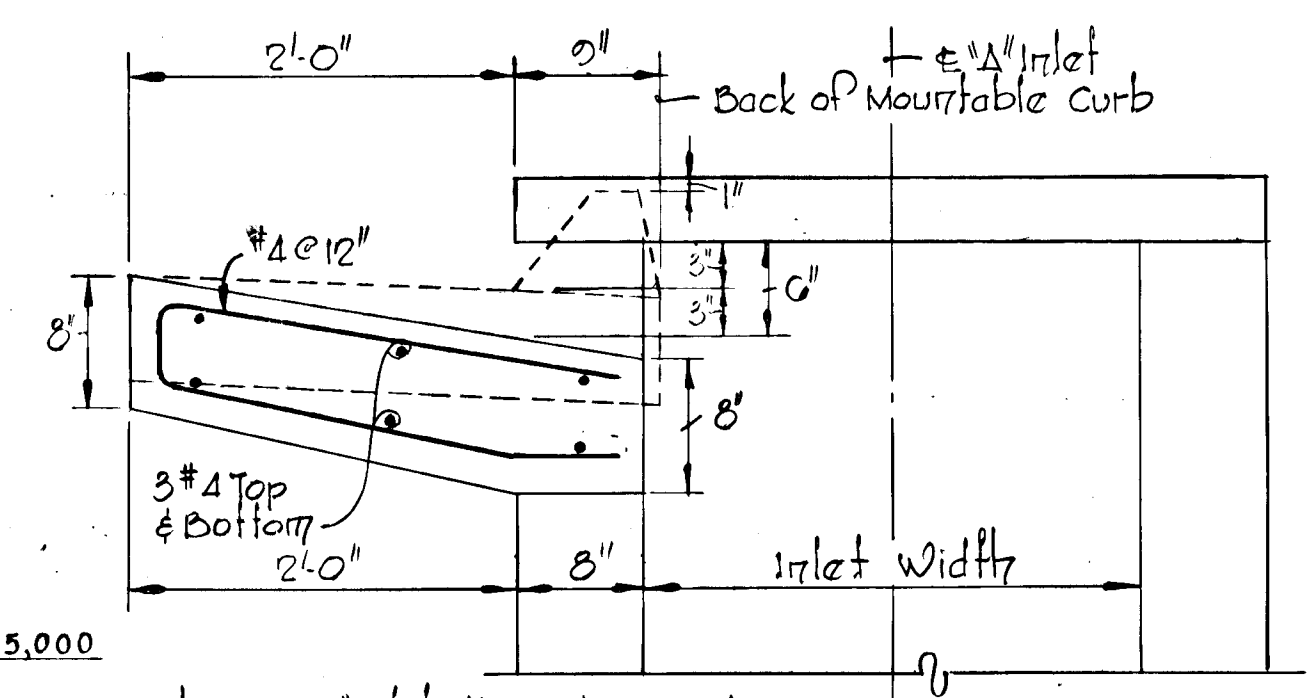
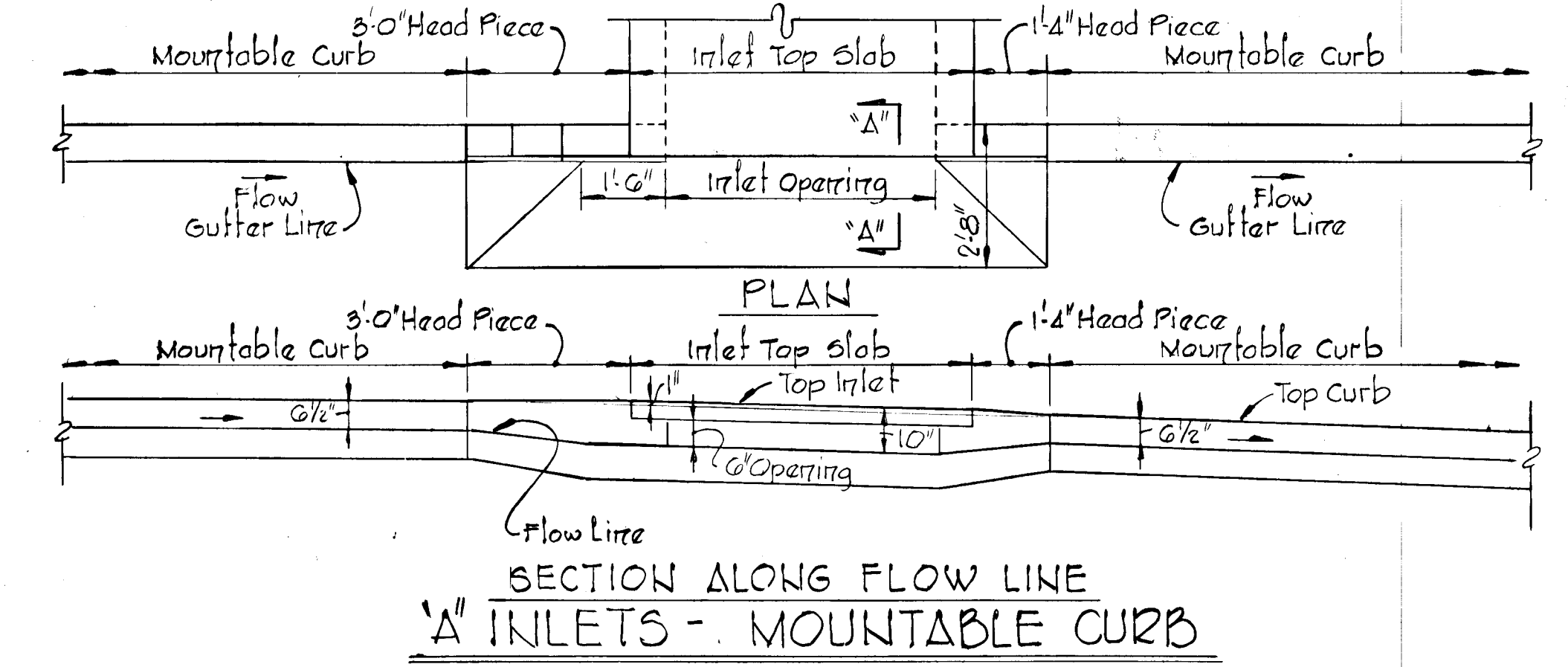
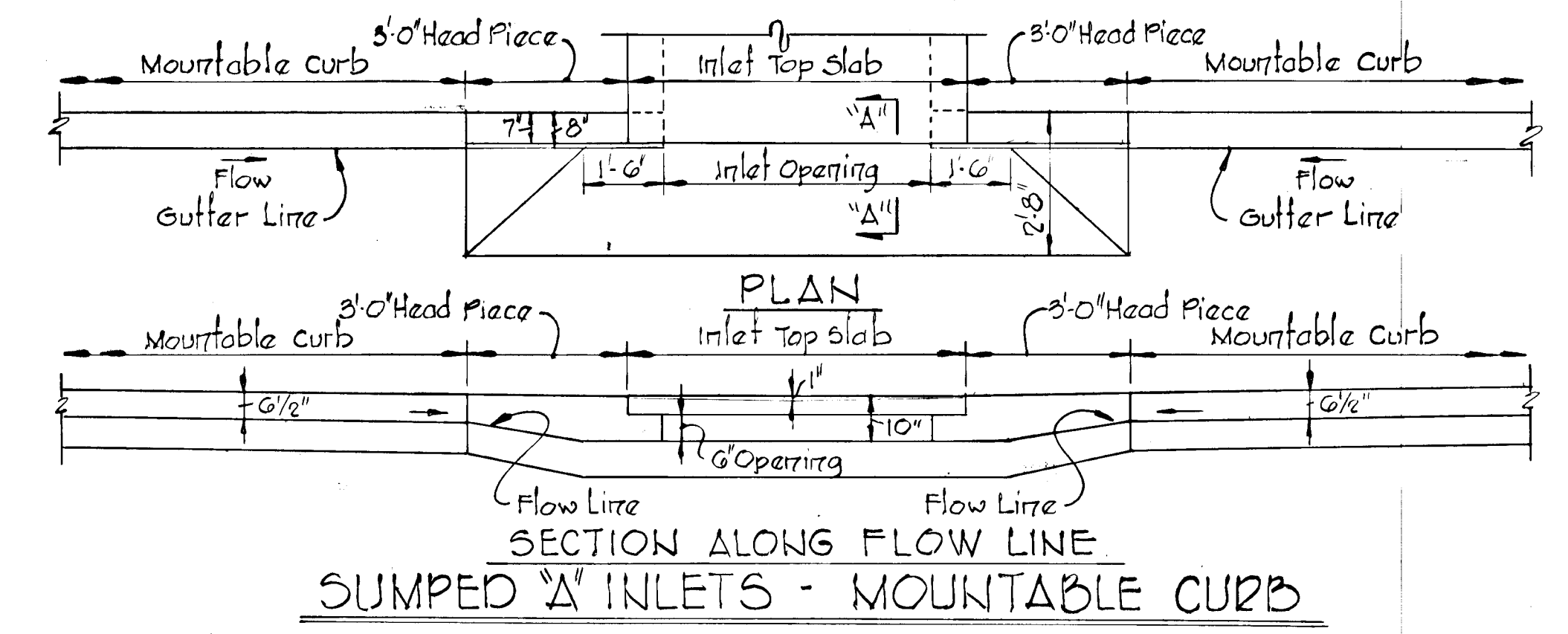


DEPARTMENT OF PUBLIC WORKS  
*Donville W. Peckard* 3/24/76  
 CHIEF, BUREAU OF HIGHWAYS DATE

OFFICE OF PLANNING AND ZONING  
*J. H. Clauson* 3/22/76  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

AREA	ACRES	"C"	ZONING
I-1	0.6	0.4	SFMD
I-3	0.5	0.4	SFMD
I-4	0.6	0.7	SFMD
I-5	1.3	0.4	SFMD
I-6	0.6	0.4	SFMD
I-7	1.8	0.4	SFMD
I-7	0.45	0.8	SFMD
I-8	0.85	0.85	SFMD
I-9	3.3	0.35	SFMD
I-10	4.1	0.85	SFMD
I-11	4.1	0.85	SFMD
I-12	1.5	0.4	SFMD
I-13	0.45	0.8	SFMD
I-14	1.8	0.4	SFMD
I-15	0.7	0.4	SFMD

APPROVED  
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING  
 HOWARD COUNTY, MARYLAND  
 DATE 3/12/76  
*J. H. Clauson*



Note: For "A" inlet dimensions and structural details see Standard Howard County Drawing G4 & Page 110-A.

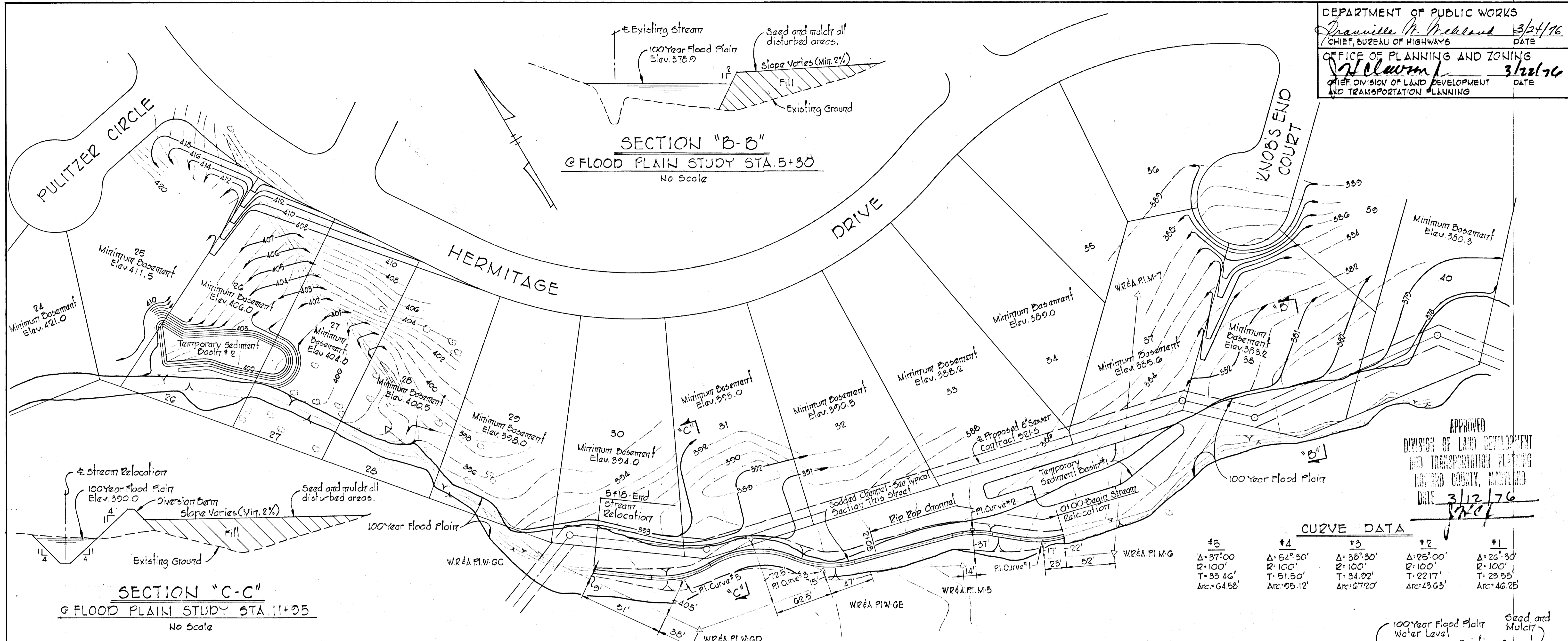
PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION I AREA I  
 DRAINAGE AREA MAP  
 AND DETAILS

SCALE: 1"=200' DATE:

WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

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

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3318 LEE COURT  
 BALTIMORE, MARYLAND 21208



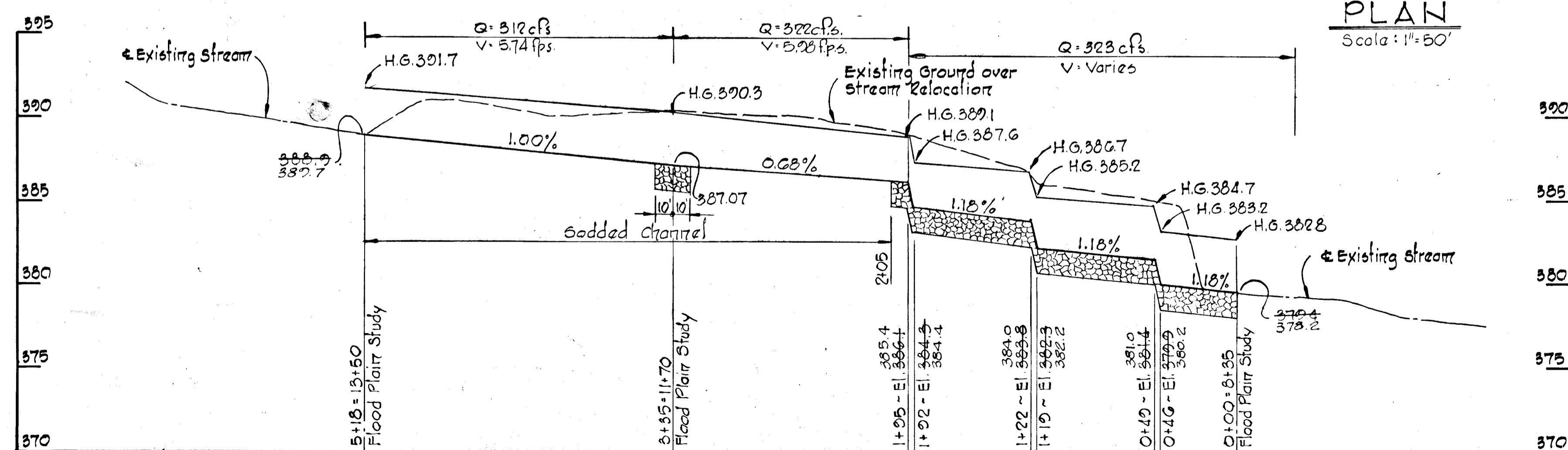
SECTION "B-B"  
 @ FLOOD PLAIN STUDY STA. 5+30  
 No Scale

SECTION "C-C"  
 @ FLOOD PLAIN STUDY STA. 11+95  
 No Scale

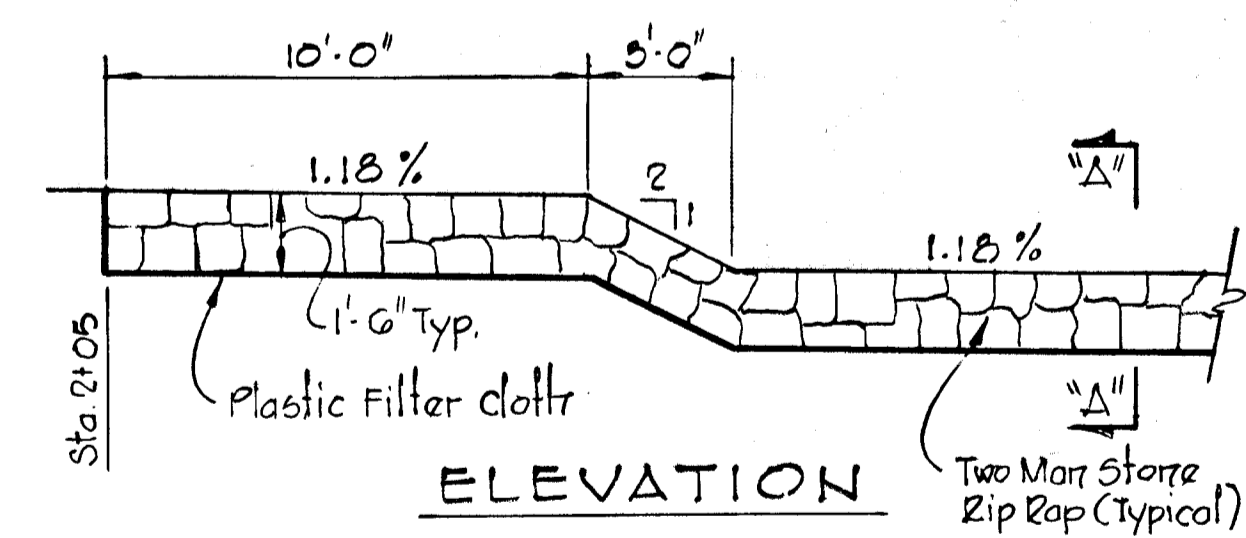
CURVE DATA

#5	#4	#3	#2	#1
Δ: 37°00'	Δ: 54°30'	Δ: 38°30'	Δ: 25°00'	Δ: 26°30'
R: 100'	R: 100'	R: 100'	R: 100'	R: 100'
T: 33.46'	T: 51.50'	T: 34.92'	T: 22.17'	T: 23.55'
Arc: 64.58'	Arc: 95.12'	Arc: 67.20'	Arc: 43.63'	Arc: 46.25'

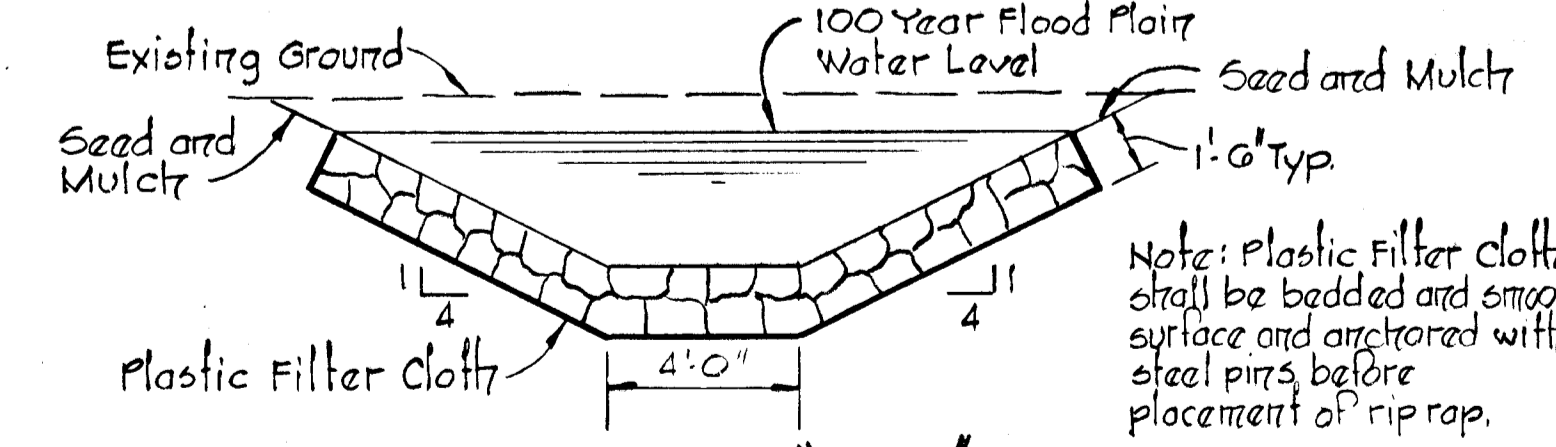
PLAN  
 Scale: 1" = 50'



PROFILE-STREAM RELOCATION  
 Scale: Hor. 1" = 50'  
 Vert. 1" = 5'



TYPICAL SECTION  
 SODDED CHANNEL  
 No Scale



PROJECT TITLE  
**CHATEAU VALLEY**  
 SECTION 1 AREA 1  
 STREAM RELOCATION

SCALE: AS SHOWN DATE:

WHITMAN, REQUARDT & ASSOCIATES  
 ENGINEERS  
 BALTIMORE, MARYLAND 21202

DEVELOPER  
 BICENTENNIAL JOINT VENTURE  
 3318 LEE COURT  
 BALTIMORE, MARYLAND 21208

*Kenneth A. McLeod*  
 KENNETH A. MCCORD  
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 No. 1074