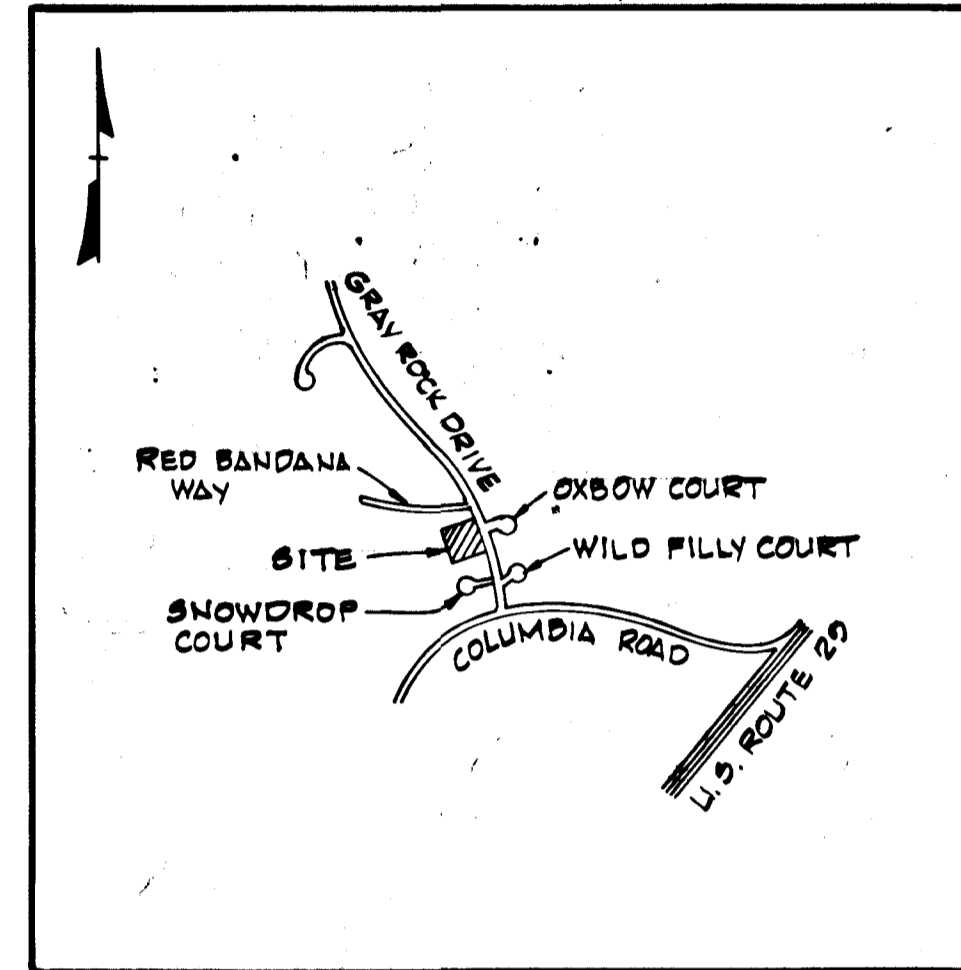


**GENERAL NOTES:**

1. All work shall be done in accordance with Howard County Standards, Specifications and Details for Construction.
2. All utility companies must be notified 24 hours in advance of any construction.
3. All inlets shall be Howard County Standard unless otherwise shown. All "A" inlets shall be depressed.
4. Storm drain trenches within road rights-of-ways shall be backfilled and compacted in accordance with Howard County Standards, Specifications and Details for Construction.
5. Any damage to public rights-of-ways or paving will be corrected at the developer's expense.
6. Approximate location of existing utilities are shown. The contractor shall take all necessary precautions to protect 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. Contractor to notify the Howard County Dept. of Inspectors and Permits at least 3 days before starting work shown on these drawings. Telephone 922-2436.
9. Street Trees to be placed in accordance with Village Planting Plan.



**VICINITY MAP**  
 Scale: 1" = 2,000'

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE - SWEET BELL COURT
3	STORM DRAIN DETAILS
4	SEDIMENT CONTROL PLAN AND DETAILS

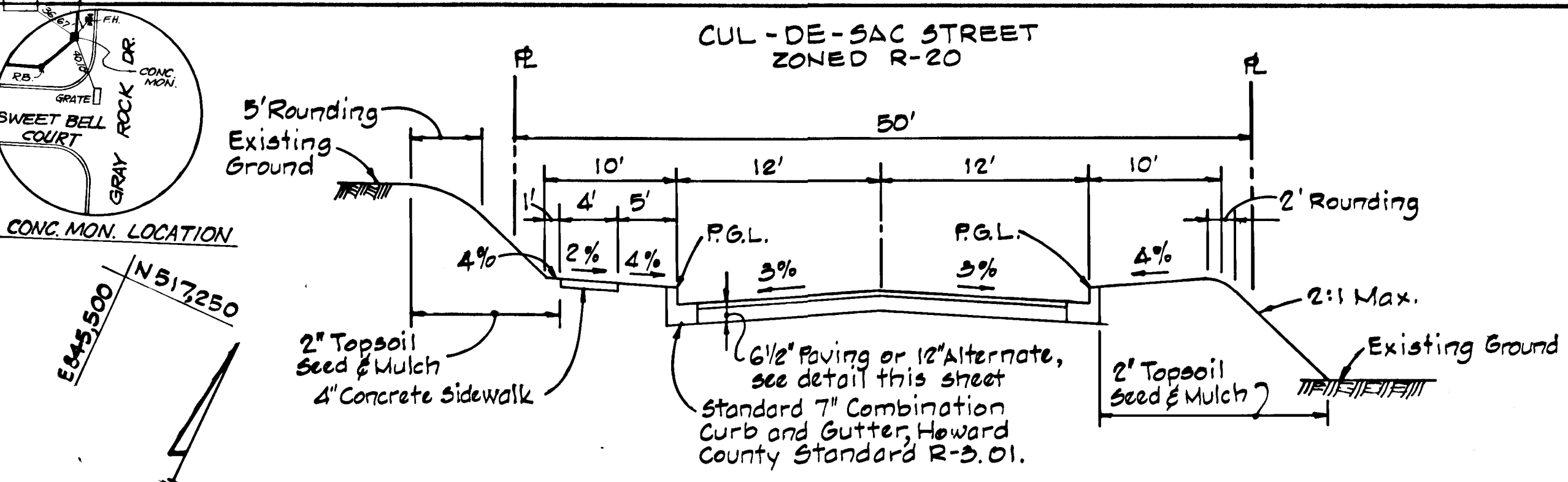
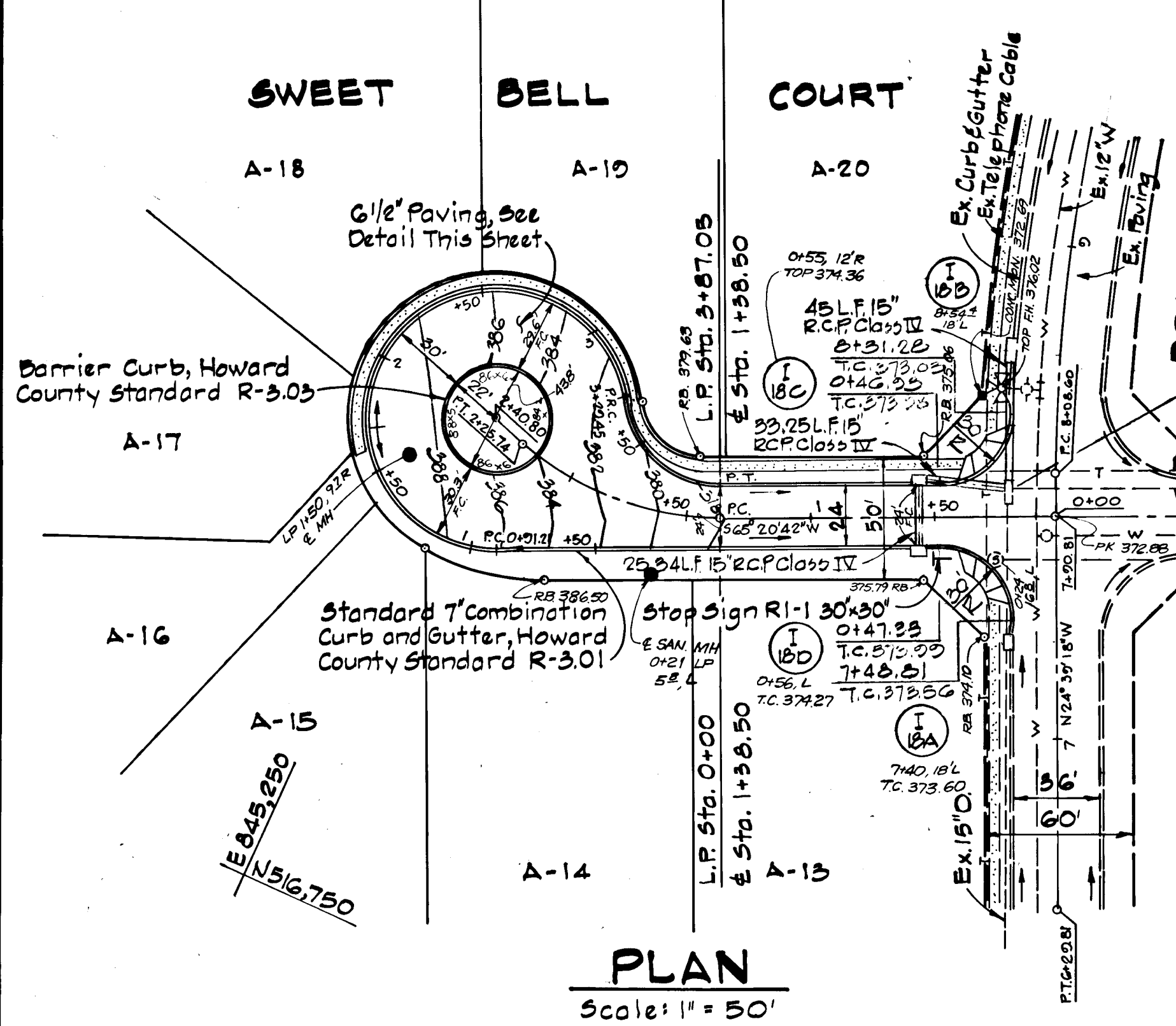
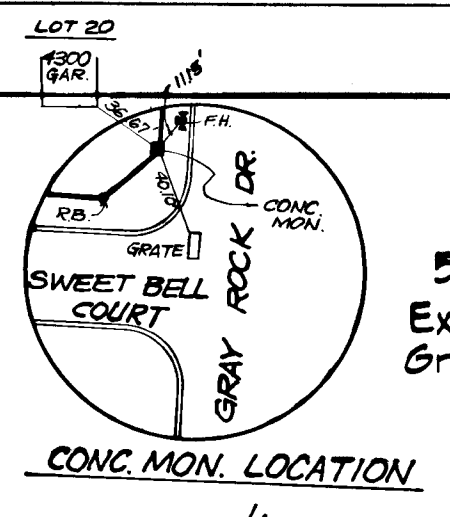
Rev. Date	Rev. No.	Revision Description
<b>DORSEY HALL</b> 2 <sup>ND</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORPORATION		
PROJECT AREA SECTION 1 AREA 3, LOTS A-13 THRU A-20 A RESUBDIVISION OF PARCEL A-12		
PROJECT TITLE <b>TITLE SHEET</b>		
SCALE: As shown		DATE:
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MARYLAND 21218		
<i>Kenneth A. McCord</i> KENNETH A. MCCORD Registered Engineer No. 1974		

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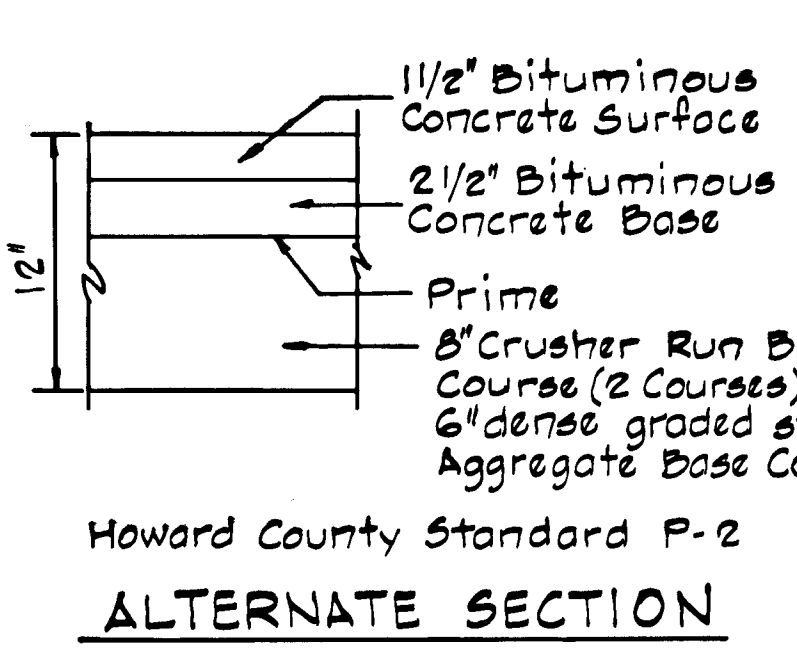
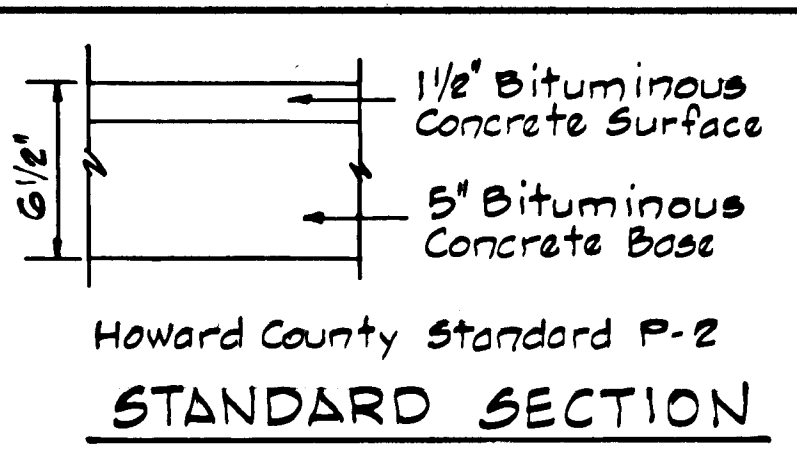
**CURVE DATA**

P.C. & Sta. 1+38.50 TO P.T. & Sta. 2+25.74 $\Delta = 41^\circ 15' 10''$ Tan = 45.61' $R = 121.17'$ Chd. = 85.27' $\text{Arc} = 87.24'$ Chd. Brg. = $S65^\circ 58' 17'' W$	P.C.L.P. Sta. 0+91.21 TO P.T.L.P. Sta. 2+29.45 $\Delta = 26^\circ 30' 15''$ Tan = $R = 53.00'$ Chd. = $\text{Arc} = 238.24'$ Chd. Brg. =	P.C.L.P. Sta. 3+29.45 TO P.T.L.P. Sta. 3+87.05 $\Delta = 88^\circ 30' 19''$ Tan = 35.00' $R = 40.00'$ Chd. = 27.75' $\text{Arc} = 57.60'$ Chd. Brg. =
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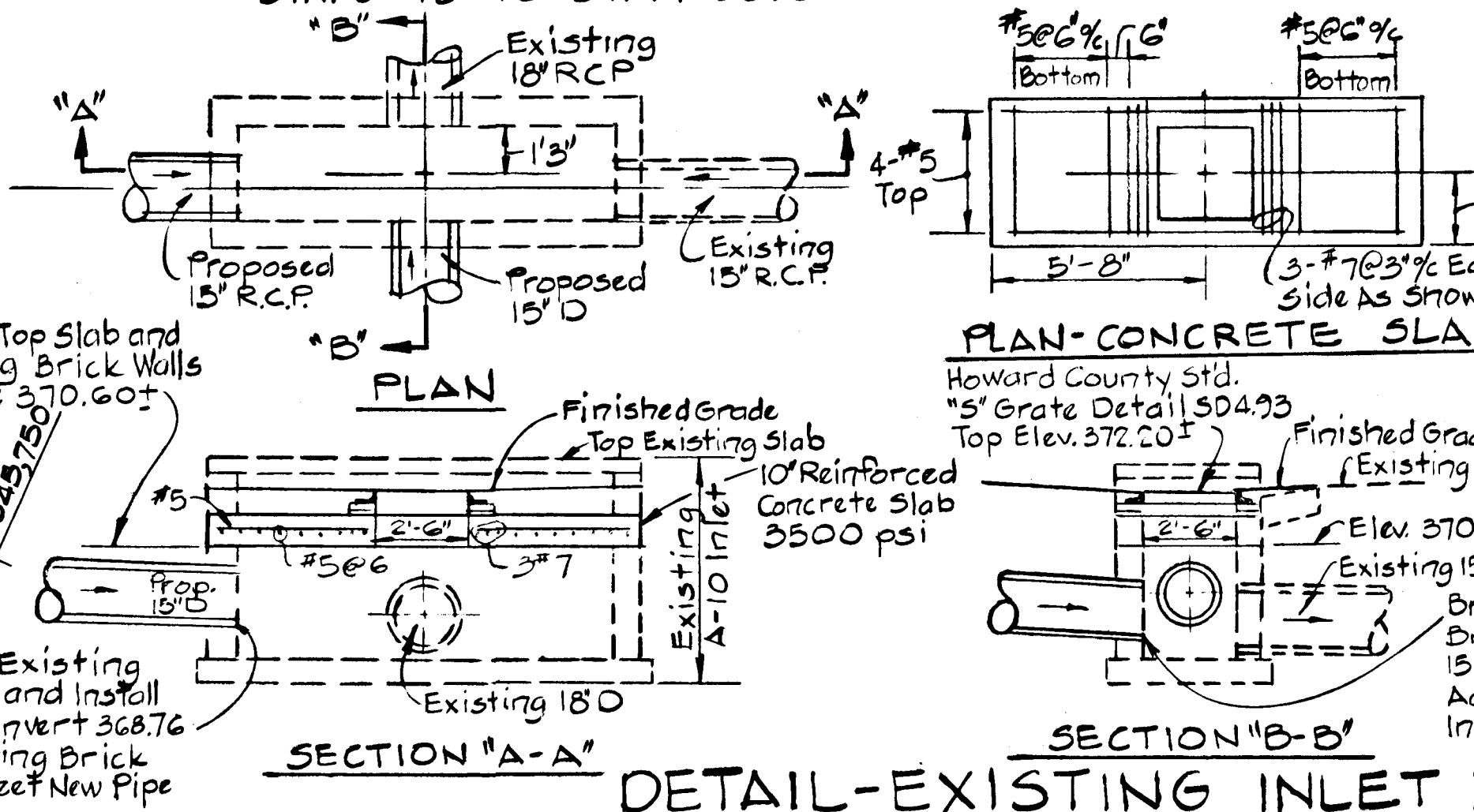
Note: Bearing of Tangent Between & Sta. 2+25.74 and & Sta. 2+40.80 is  $N 73^\circ 24' 08'' W$ .



**TYPICAL SECTION**  
 (Howard County Standard R-1.01)  
 No Scale  
 STA. 0+48 TO STA. 1+38.50



**ALTERNATE SECTION**  
 No Scale



**TYPICAL PAVING SECTIONS**  
 No Scale

**SECTION 'B-B'**  
 No Scale  
 SECTION 'A-A' DETAIL-EXISTING INLET I-18  
 Scale: 1/4" = 1'-0"

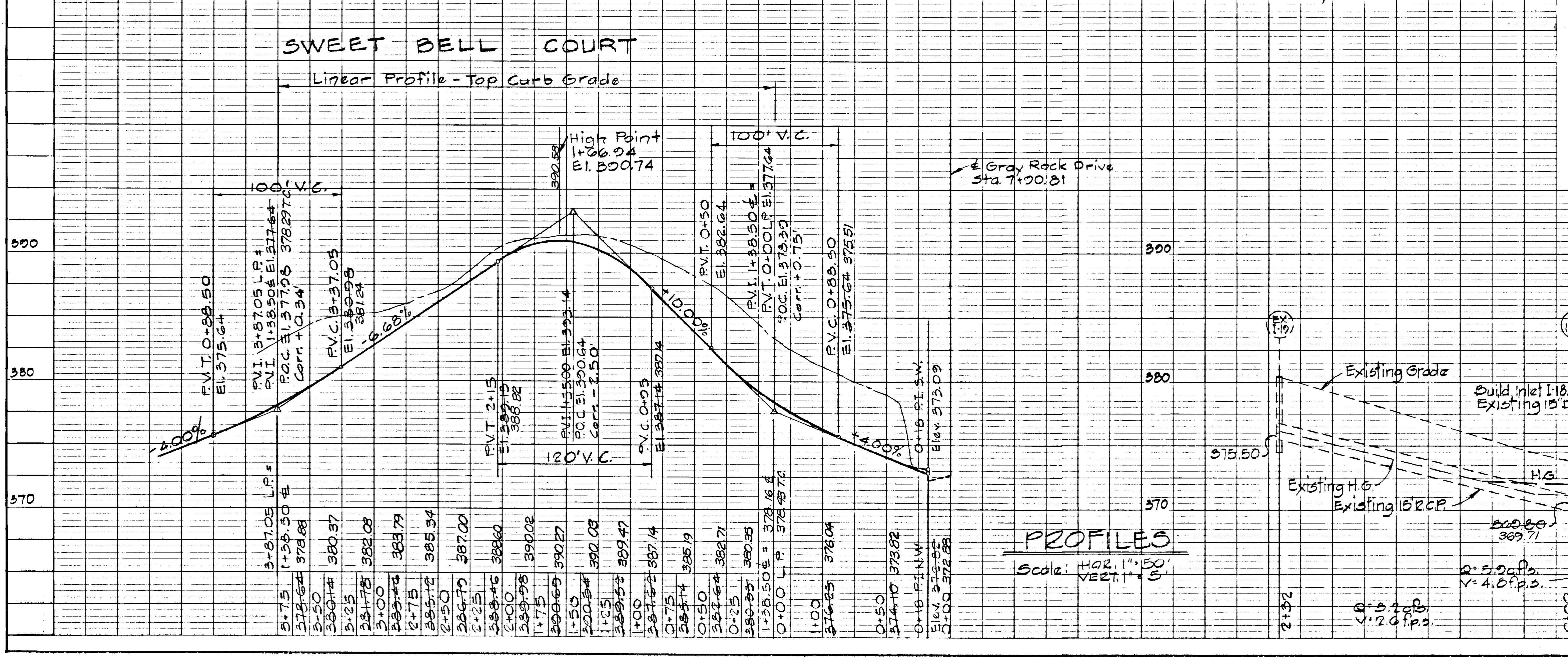
**DEPARTMENT OF PUBLIC WORKS**  
 CHIEF, BUREAU OF ENGINEERING  
**OFFICE OF PLANNING & ZONING**  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

Rev. Date	Rev. No.	Revision Description
<b>DORSEY HALL</b>		
2 <sup>ND</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORPORATION		
PROJECT AREA SECTION 1 AREA 3, LOTS A-13 THRU A-20 A RESUBDIVISION OF PARCEL A-12		
PROJECT TITLE PLAN AND PROFILE SWEET BELL COURT		
SCALE: AS SHOWN DATE:		
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MARYLAND 21218		
 KENNETH A. MCCORD Registered Engineer No. 1074		

DATE	
BY	
REVISIONS	
NOTED	
ALIGNED CHECKED	
IN CHARGE	
NO.	

DATE	
BY	
REVISIONS	
NOTED	
ALIGNED CHECKED	
IN CHARGE	
NO.	

**SWEET BELL COURT**



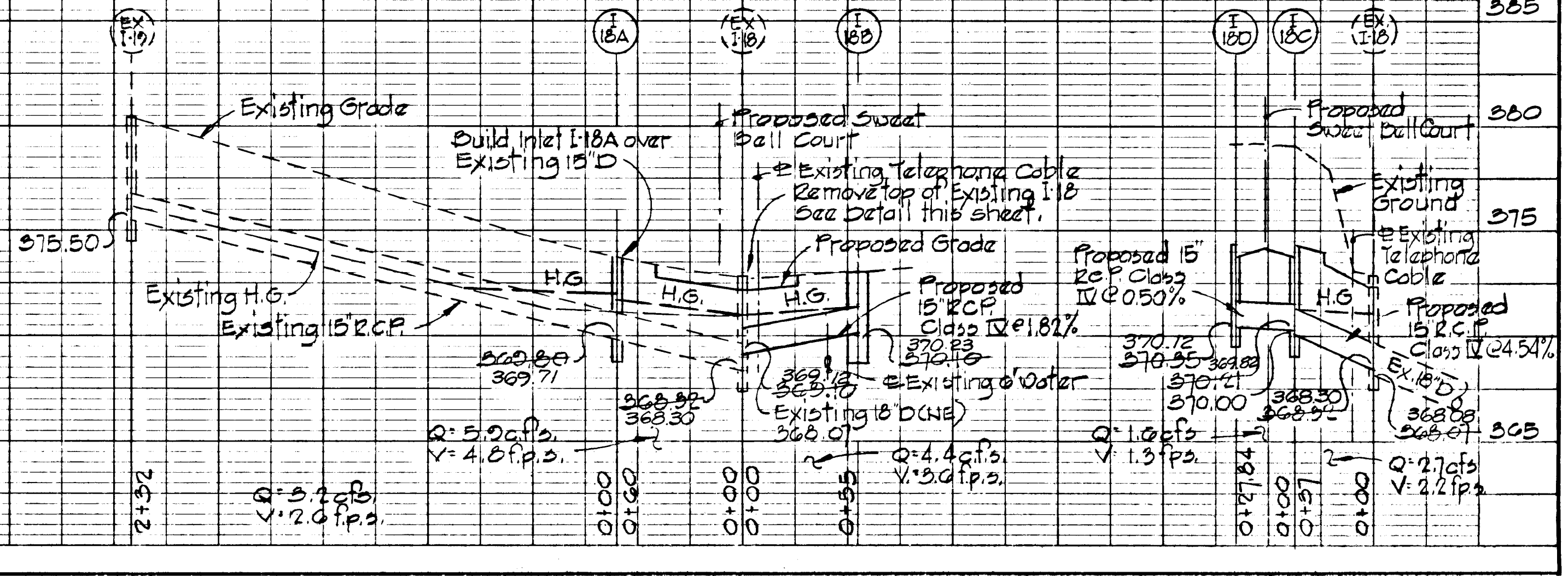
**STORM DRAIN STRUCTURE SCHEDULE**

NO.	TYPE	TOP EL.	INV. IN	INV. OUT	LOCATION
* I-18A	STD. 'A'-5' INLET WIDTH=25	373.62	362.80	362.80	INLET 19.25' LEFT & STA. 7+40
I-18B	STD. 'A'-10' INLET WIDTH=25	373.07	370.10	370.10	INLET 12.25' LEFT & STA. 8+55
* I-18C	STD. 'A'-5' INLET WIDTH=25	374.34	370.21	370.00	INLET 13.02' RIGHT & STA. 0+56
* I-18D	STD. 'A'-5' INLET WIDTH=25	374.34	370.34	370.35	INLET 13.02' LEFT & STA. 0+56

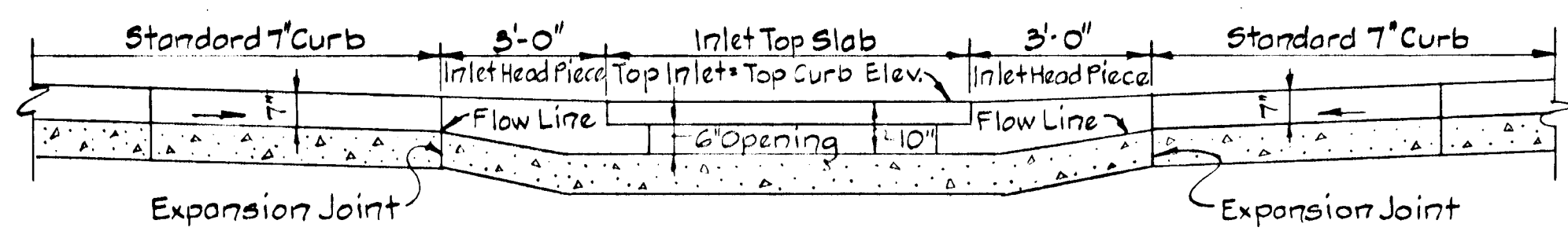
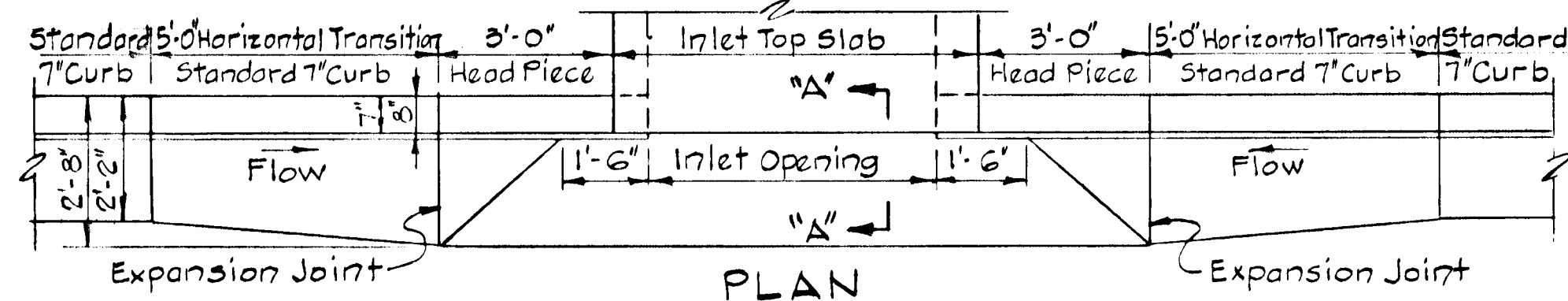
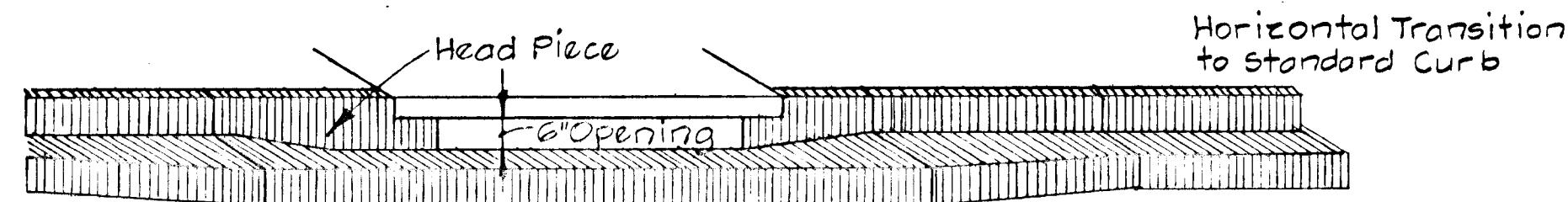
NOTES:  
 1. A-5 Inlet Howard County Standard S.D. 4.01.  
 2. A-10 Inlet Howard County Standard S.D. 4.0c.  
 3. \* Denotes Inlet with Deflector, Howard County Standard S.D. 4.83.

**PROFILES**

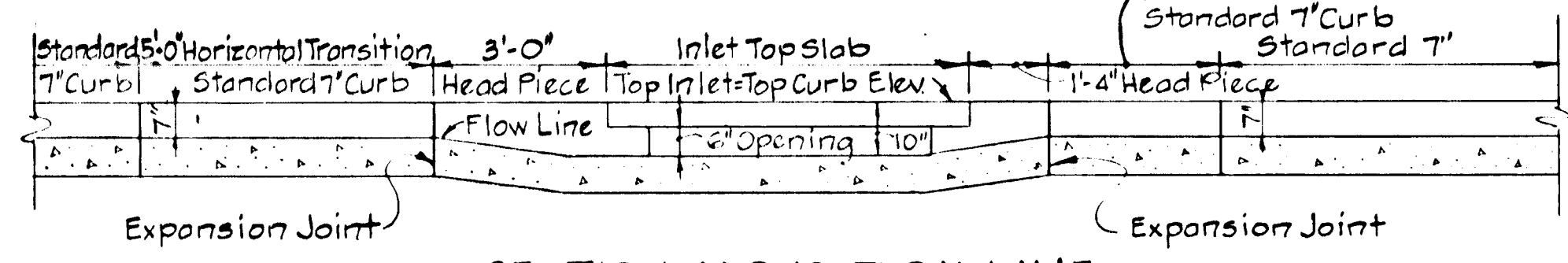
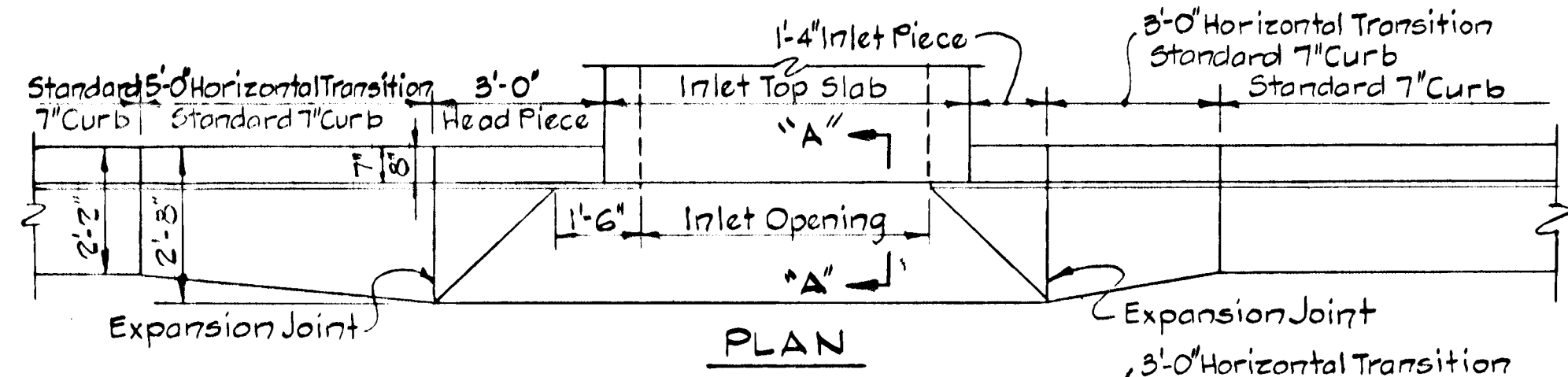
Scale: HOR. 1" = 50'  
 VERT. 1" = 5'



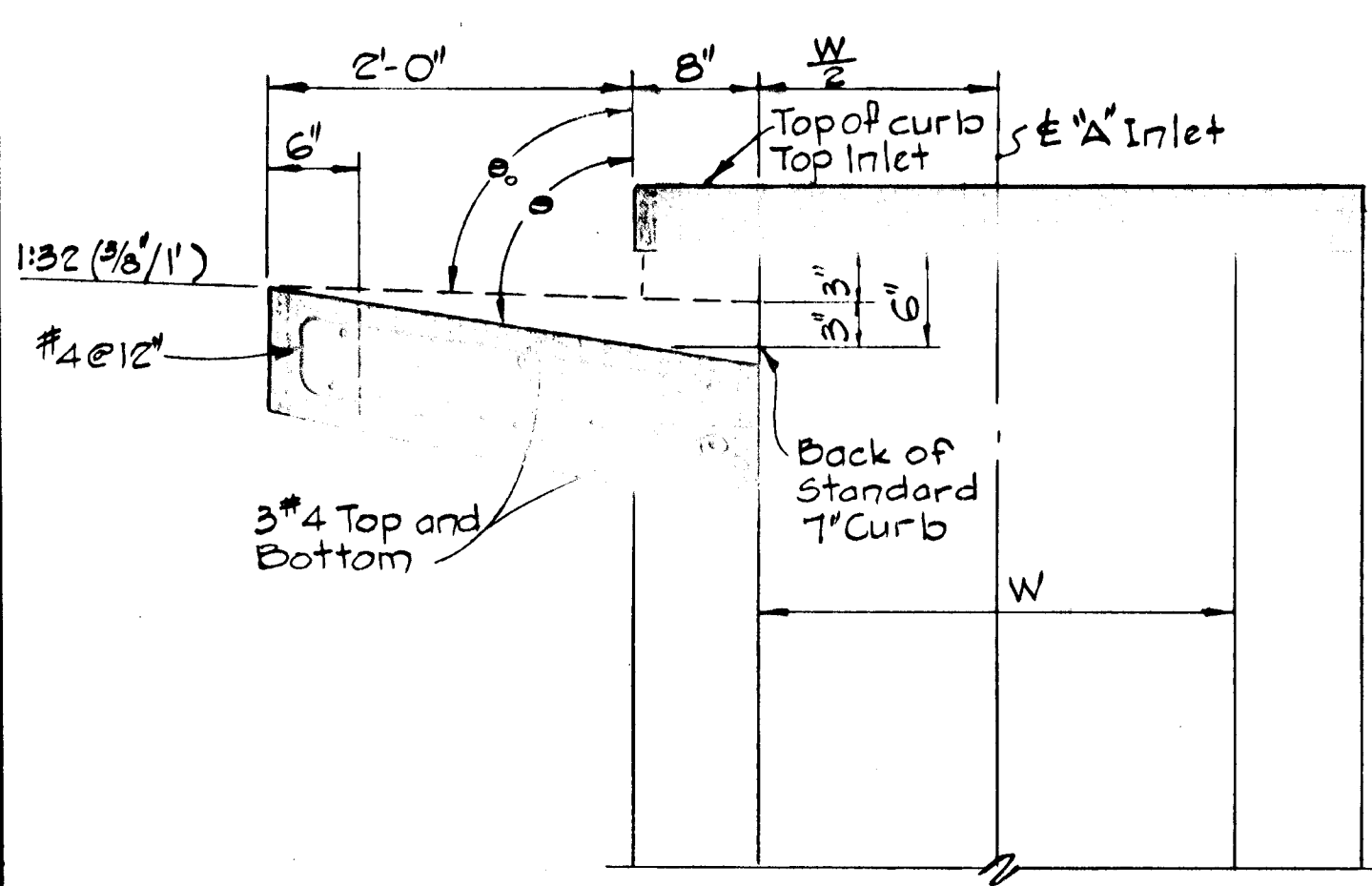




SECTION ALONG FLOW LINE  
SUMPED "A" INLETS - STANDARD CURB

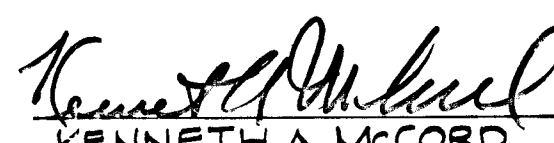



SECTION ALONG FLOW LINE  
"A" INLETS - STANDARD CURB



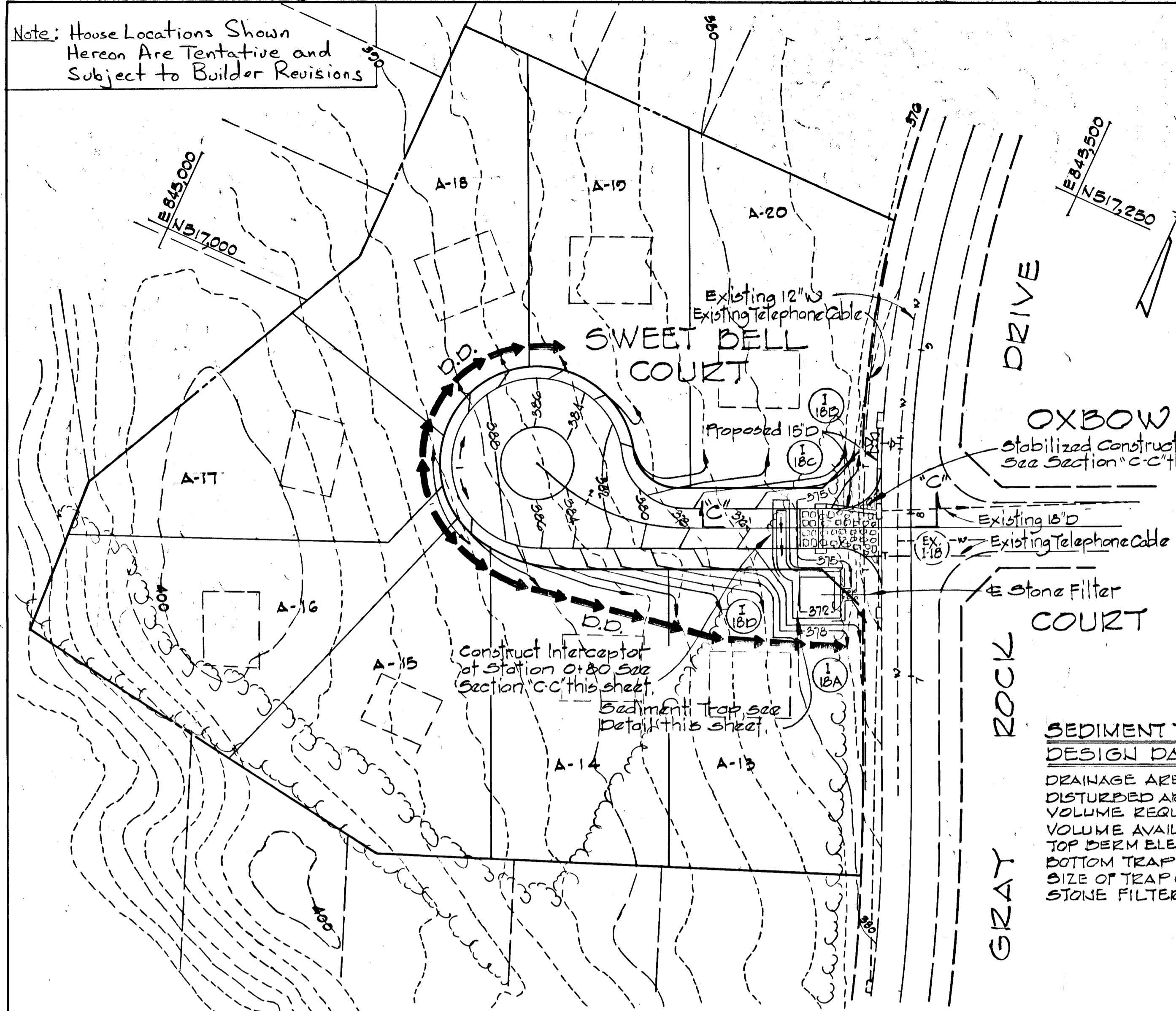
Note: For "A" Inlet dimensions and structural details, see standard Howard County Standard S.D.4.01 & S.D.4.02

SECTION "A-A"  
"A" INLET - STANDARD CURB

Rev. Date	Rev. No.	Revision Description
<b>DORSEY HALL</b> 2 <sup>ND</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORPORATION		
PROJECT AREA SECTION 1 AREA 3, LOTS A-13 THRU A-20 A RESUBDIVISION OF PARCEL A-12		
PROJECT TITLE STORM DRAIN DETAILS		
SCALE: AS SHOWN		DATE:
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS 2315 ST. PAUL STREET BALTIMORE, MARYLAND 21218		
 KENNETH A. MCCORD Registered Engineer No. 1074		

Note: House Locations Shown Hereon Are Tentative and Subject to Builder Revisions

CHIEF BUREAU OF ENGINEERING DATE  
 OFFICE OF PLANNING & ZONING  
 JOHN W. MURPHY 10-5-83  
 CHIEF DIVISION OF LAND DEVELOPMENT DATE  
 AND ZONING ADMINISTRATION



OXBOW  
 Stabilized Construction Entrance,  
 See Section C-C this sheet.

**SEDIMENT TRAP**  
**DESIGN DATA**  
 DRAINAGE AREA: 0.7 ACRES  
 DISTURBED AREA: 0.7 ACRES  
 VOLUME REQUIRED: 0.7 x 0.7 x 46.0 CY.  
 VOLUME AVAILABLE: 50 CY.  
 TOP BERM ELEV: 375.0  
 BOTTOM TRAP ELEV: 372.0  
 SIZE OF TRAP @ BOTTOM: 22' x 22'  
 STONE FILTER WIDTH: 6' x 0.7' x 4.2'

**SEQUENCE OF CONSTRUCTION**

1. Obtain Grading Permit.
2. Construct Stabilized Construction Entrance on Sweet Bell Court.
3. Construct Sediment Trap, Interceptor Swale and Diversion Dike.
4. Clear and grub limits of construction.
5. Strip limits of construction area.
6. Rough grade limits of construction.
7. Construct utilities, curb and gutter etc. Sweet Bell Court.
8. Stabilize all disturbed areas with permanent seeding, see specifications.
9. Remove Sediment Trap, Interceptor Swale and Diversion Dike if permanent seeding is established in the contributing drainage areas, stabilize with permanent seeding, see specifications.

**SEDIMENT CONTROL NOTES**

1. See "Sequence of Construction" this sheet.
2. The sediment control measures shall be constructed as shown on this sheet.
3. All Diversion Dikes shall be seeded as specified in notes 4 and 5. All other surfaces to be permanently seeded, see specifications this sheet.
4. The Diversion Dikes shall be hydroseeded as follows:  
 a. Ground Limestone (50#/1000#)  
 b. Fertilizer 10-10-10 (25#/1000#)  
 c. Seed - Italian Ryegrass (40#/acre)  
 5. Mulch with straw at the rate of (50#/1000# or one ton/acre. Anchor with asphalt at the rate of 480 gallons/acre).

**PERMANENT SEEDING NOTES**

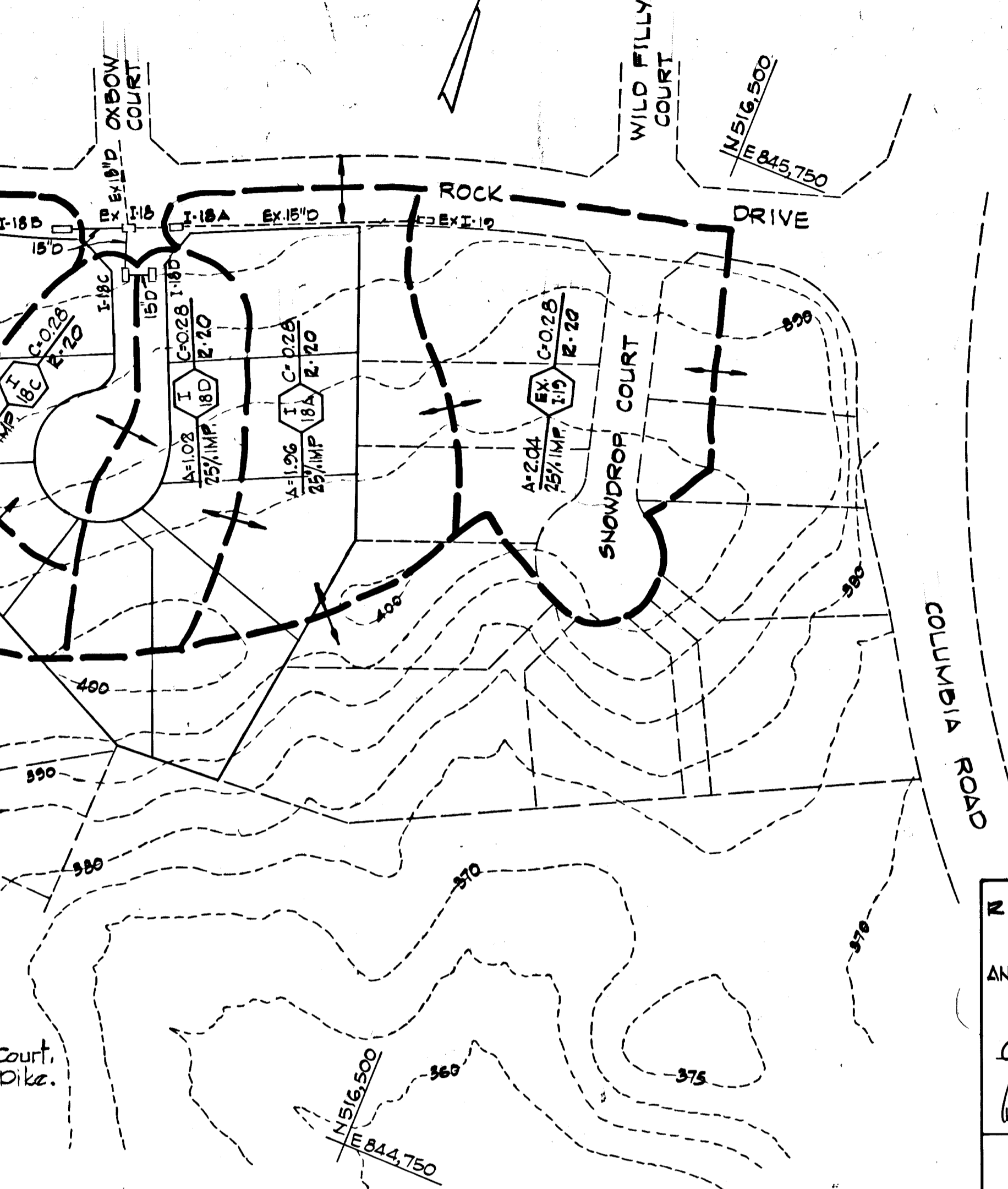
Lime - 2 tons/acre agricultural ground limestone.  
 Fertilizer - 1000#/acre (10-10-10)  
 Seeding - 100#/acre of the following:  
 20% Kentucky Blue Grass, 20% Marion Blue Grass,  
 55% Creeping Red Fescue, 5% Red Top.  
 Mulch Required - Mulch area with straw at the rate of 75#/1000# or 1.5 tons/acre. Anchor with asphalt at the rate of 480 gallons/acre. Stabilization of slopes steeper than 3:1 shall be planted with crown vetch at the rate of 15#/acre or 0.34#/1000# and Kentucky 91 tall fescue at the rate of 40#/acre or 1#/1000#.

**RESPONSIBLE PERSONNEL CERTIFICATION**  
 I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.  
 WALTER E. WOODFORD 8/10/83 DATE

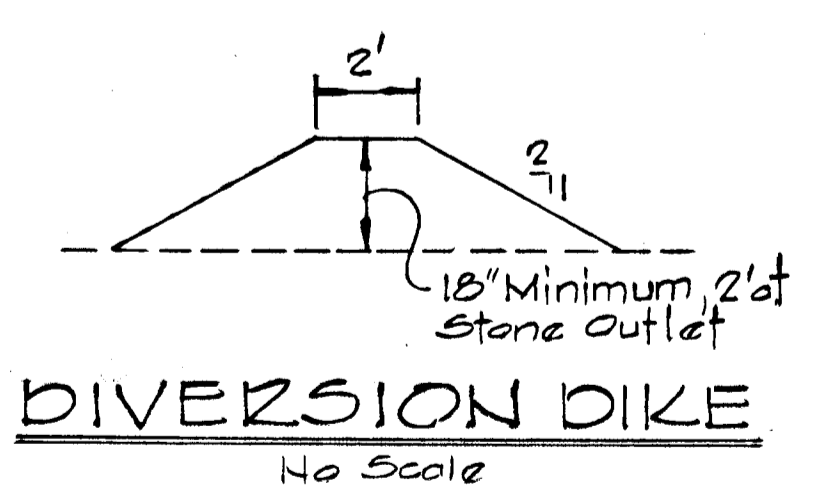
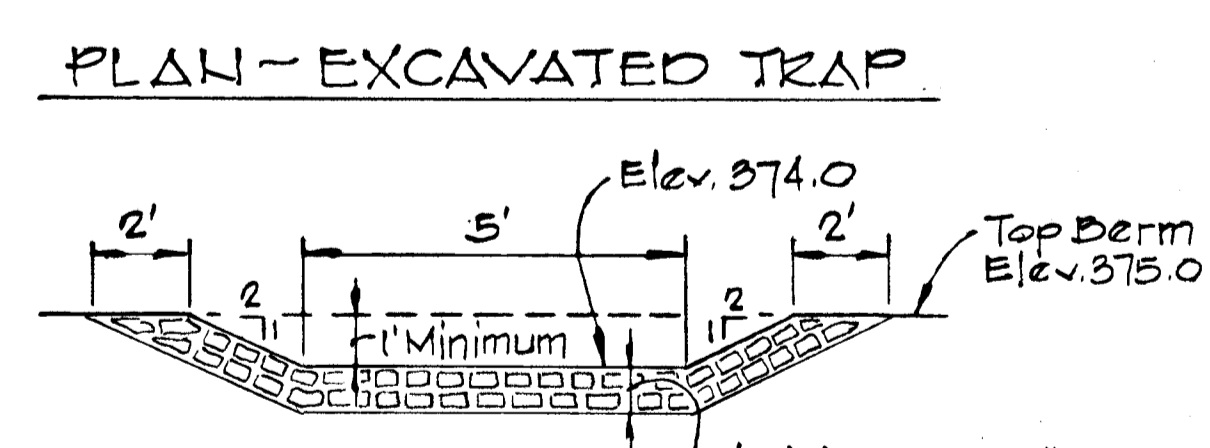
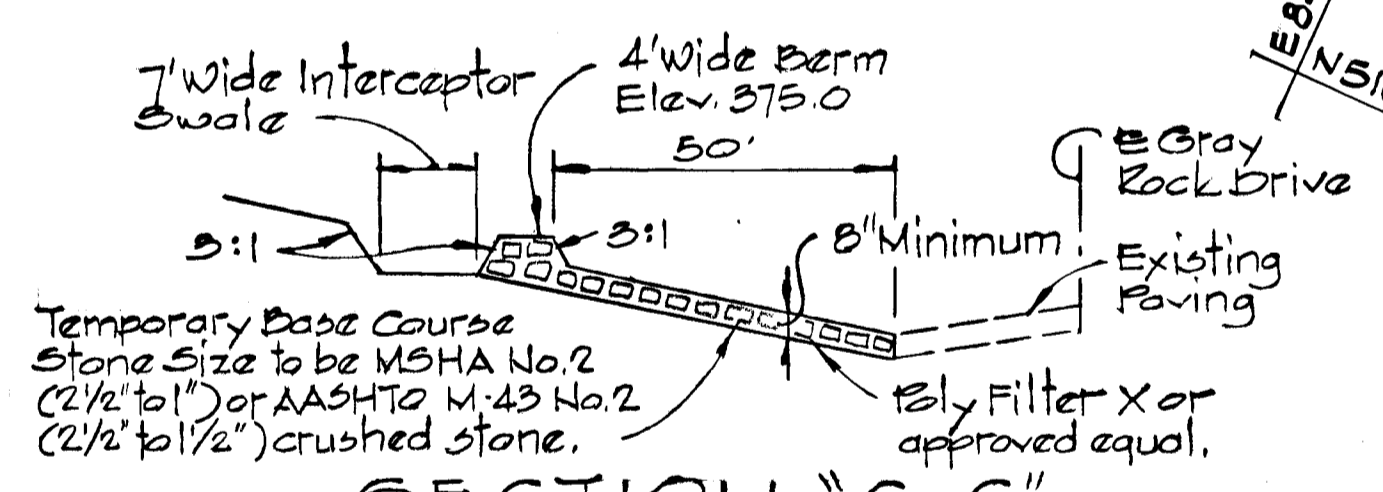
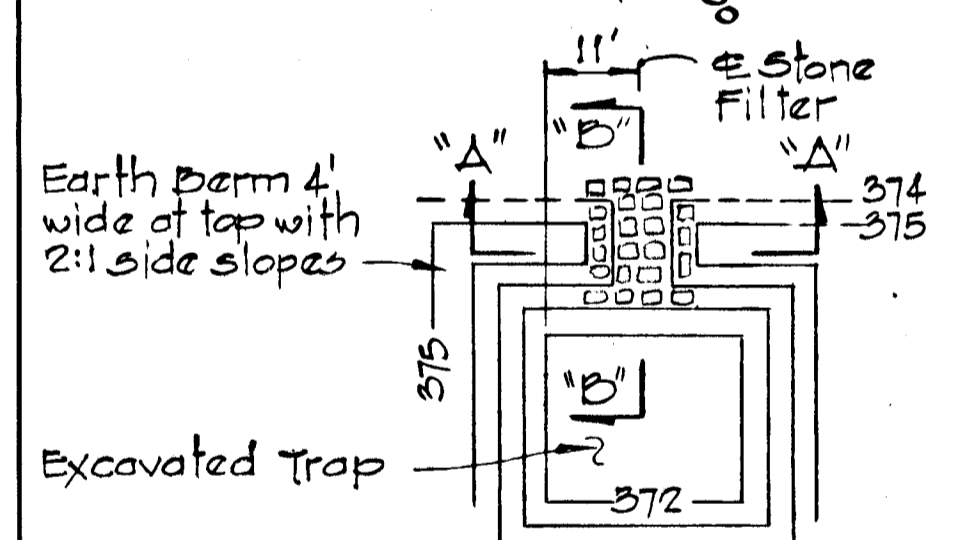
**CERTIFICATION BY THE DEVELOPER**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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.  
 WALTER E. WOODWARD 8/10/83 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 8/10/83 DATE

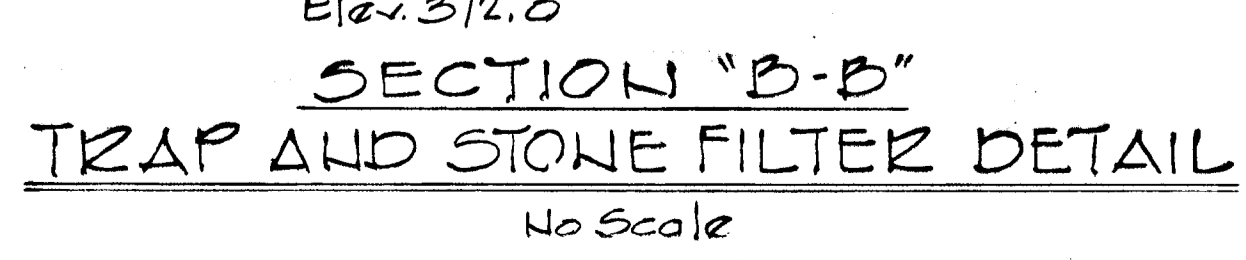
**DRAINAGE AREA MAP**  
 Scale: 1"=100'



REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
 J. M. STEIN 10/8/83 DATE  
 U.S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED WALTER E. WOODWARD 10/5/83 HOWARD S.C.D. DATE



**SITE ANALYSIS**  
 AREA OF IMPERVIOUS: 0.3 ACRES  
 AREA TO BE VEGETATED: 0.4 ACRES



Rev. Date	Rev. No.	Revision Description
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		<b>OWNER AND DEVELOPER</b> HOWARD RESEARCH AND DEVELOPMENT CORPORATION
		<b>PROJECT AREA</b> SECTION 1 AREA 3, LOTS A-13 THRU A-20 A RESUBDIVISION OF PARCEL A-12
		<b>PROJECT TITLE</b> SEDIMENT CONTROL PLAN AND DETAILS AND DRAINAGE AREA MAP
		<b>SCALE:</b> AS SHOWN <b>DATE:</b>
		<b>WHITMAN, REQUARDT AND ASSOCIATES</b> ENGINEERS 2915 ST. PAUL STREET BALTIMORE, MARYLAND 21218
		KENNETH A. MCCORD Registered Engineer No. 1974