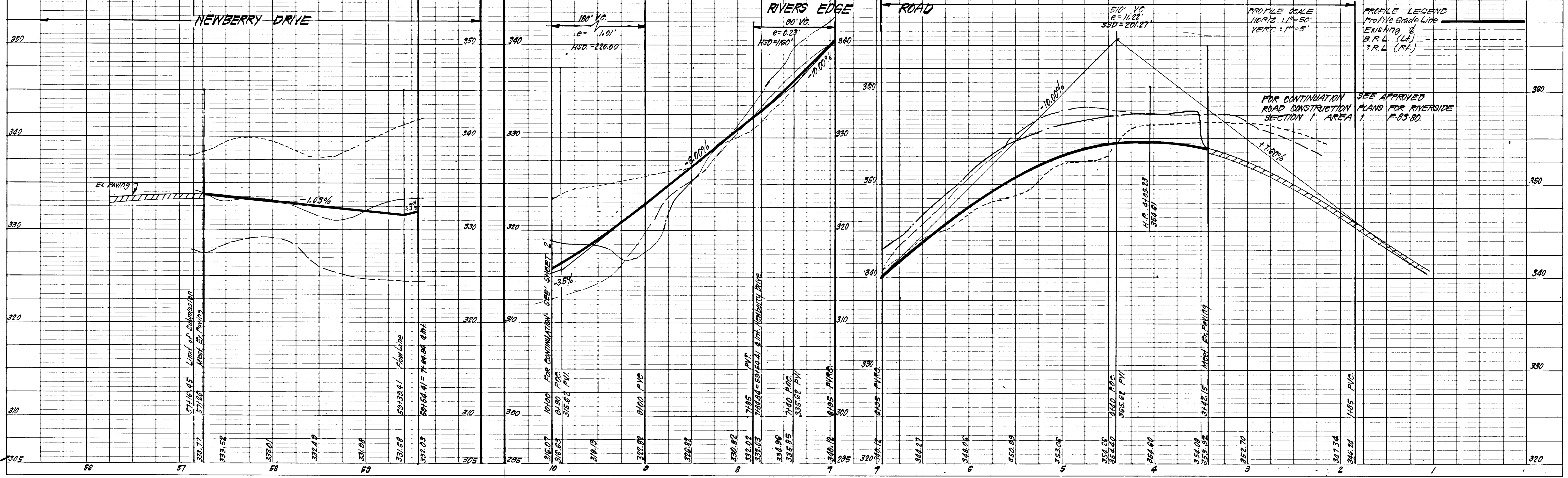


- GENERAL NOTES:**
- All construction shall be in accordance with the latest details and Specification of Howard County & Md. STA.
 - Types of Storm Drain Structures refer to the Standard Details of Howard County & Maryland State Highway Administration.
 - Trench compaction for Storm Drains within Road or Street right-of-way limits shall be in accordance with Ho. Co. Design Manual, Vol. II.
 - Information concerning underground utilities was obtained from available records and the Contractor must determine the exact location and elevation of the mains by digging test pits, by hand, at all utility crossings, well in advance of construction.
 - All utility companies shall be notified 24 hrs. in advance of construction.
 - All Traffic Control services, parking and signing to be done in accordance with the Manual of Uniform Traffic Control Devices, 1971 Edition.
 - Sag and Crest Vertical Curves were designed in accordance with "A" Policy on Geometric Design of Rural Highways, 1965, by AASHTO.
 - Provide Concrete Side-walk Ramps in curbs where shown in plan (Max. 12:1 Slope) See Ho. Co. Std. Sidewalk Ramp, Type A, R-4.01.
 - Design speed: 30 mph Zoning: R-20
 - Class C Trench Bedding to be used for all Storm Drain construction unless otherwise indicated.
 - See Sheet 2 of 5 for Street Tree Planting Schedule.

APPROVED: Department of Public Works	
Chief, Bureau of Engineering	1-11-83
APPROVED: Howard County Dept. of Planning & Zoning	
Chief, Division of Land Development & Zoning Administration	1-12-83
CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS	
11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400	
DESIGNED	SCALE
JLS	As Shown
DRAWN	DRAWING
R.W.	10 F 5
CHECKED	JOB NO.
JLS	82 027
DATE	FILE NO.
11-11-83	82-027-D

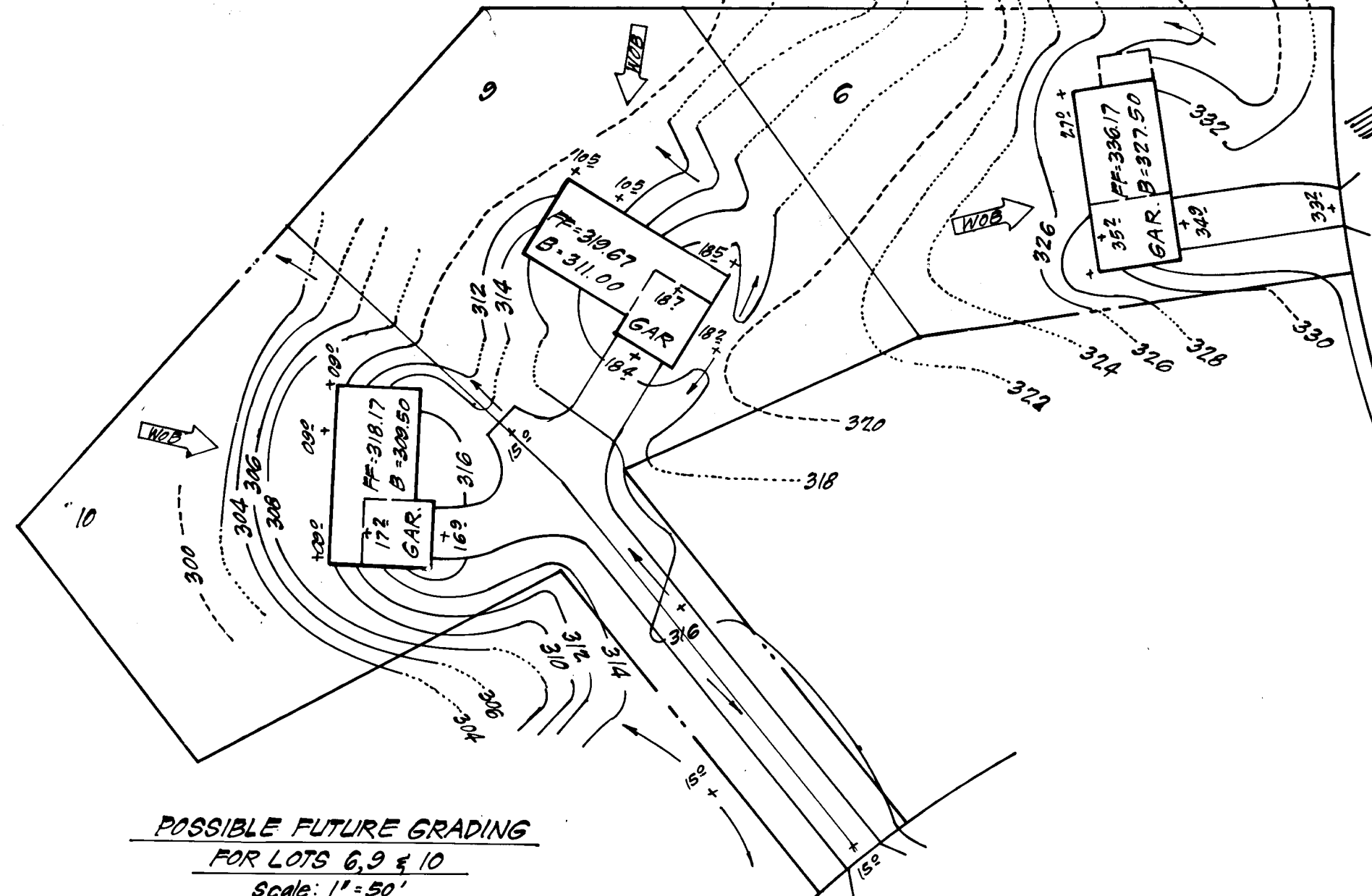


#981

STREET TREE PLANTING SCHEDULE

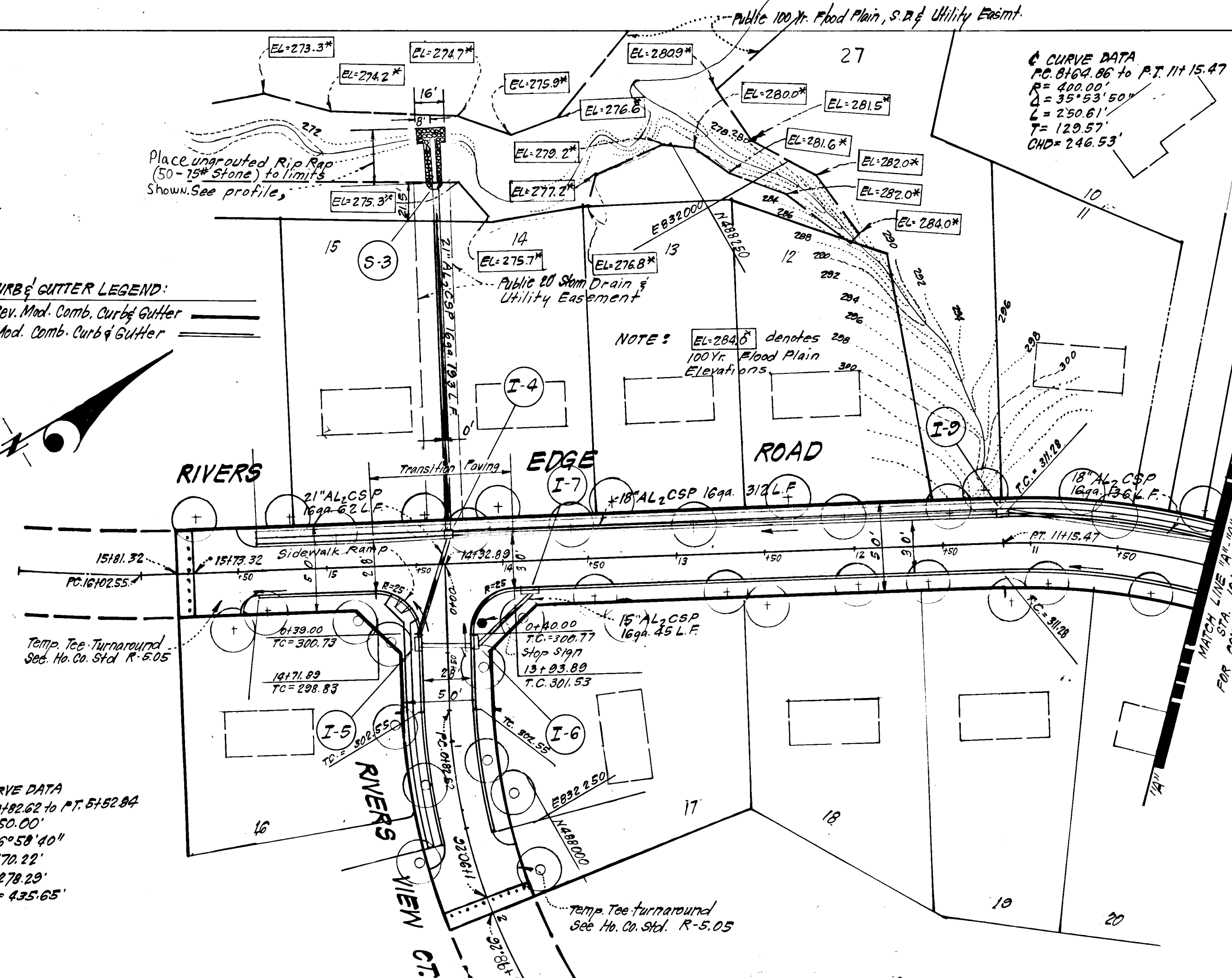
KEY	PLANT NAME	SIZE	QUANT.	REMARKS
⊕	ACER RUBRUM OCT. GLORY OCTOBER GLORY MAPLE	2 1/2" CAL. MIN.	56	84P HEAVY HEADS
○	QUERCUS FALUSTRIS PIN OAK	2 1/2" CAL. MIN.	22	84P HEAVY HEADS

NOTE: FINAL LOCATION OF TREES MAY BE SHIFTED IN THE FIELD TO ACCOMMODATE FIELD CONDITIONS.
PLANTING PROCEDURES TO BE IN ACCORD WITH LANDSCAPE SPECIFICATIONS FOR BALT.-WASH. MET. AREAS BY LCMWV.
STREET TREE PLANTING PROGRAM SHALL BE IN ACCORD WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.

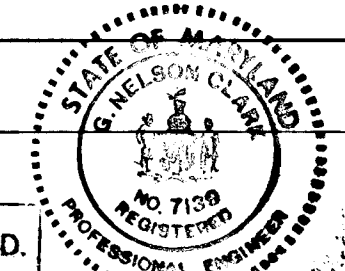


CURB & GUTTER LEGEND:
 Rev. Mod. Comb. Curb & Gutter
 Mod. Comb. Curb & Gutter

Curve Data:
 P.C. 0182.62 to P.T. 8152.84
 R = 350.00'
 Δ = 76° 58' 40"
 L = 478.22'
 T = 278.29'
 CHD = 435.65'



Reviewed for: Howard S.C.D.
 Name
 and meets Technical Requirements
 Signature: John W. M... 1-12-84
 Date
 U.S. Soil Conservation Service



ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

G. Nelson Clark 12-83
 Date

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

Approved: Wm. J. ... 1-2-84
 Date

DEVELOPER'S/BUILDER'S CERTIFICATE
 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, if and when necessary.

Stanley H. Halle 9-2-83
 Signature of Developer/Builder Date

APPROVED: Department of Public Works

John W. M... 1-12-84
 Chief, Bureau of Engineering Date

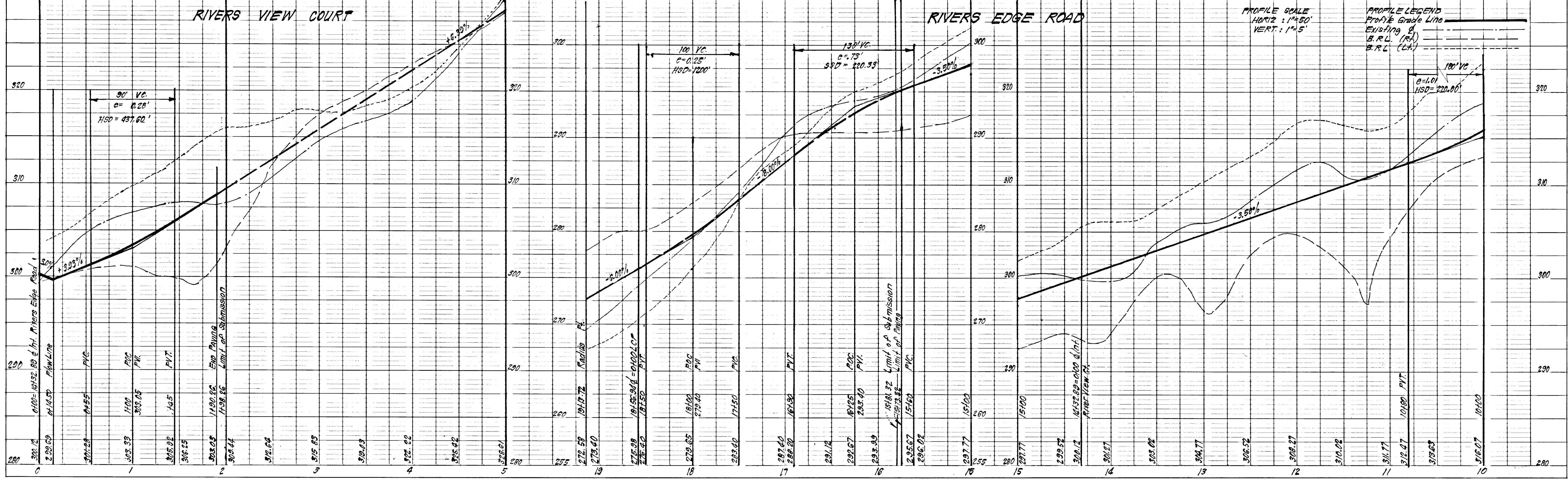
APPROVED: Howard County Office of Planning & Zoning

John W. M... 1-12-84
 Chief, Division of Land Development & Zoning Administration Date

CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS

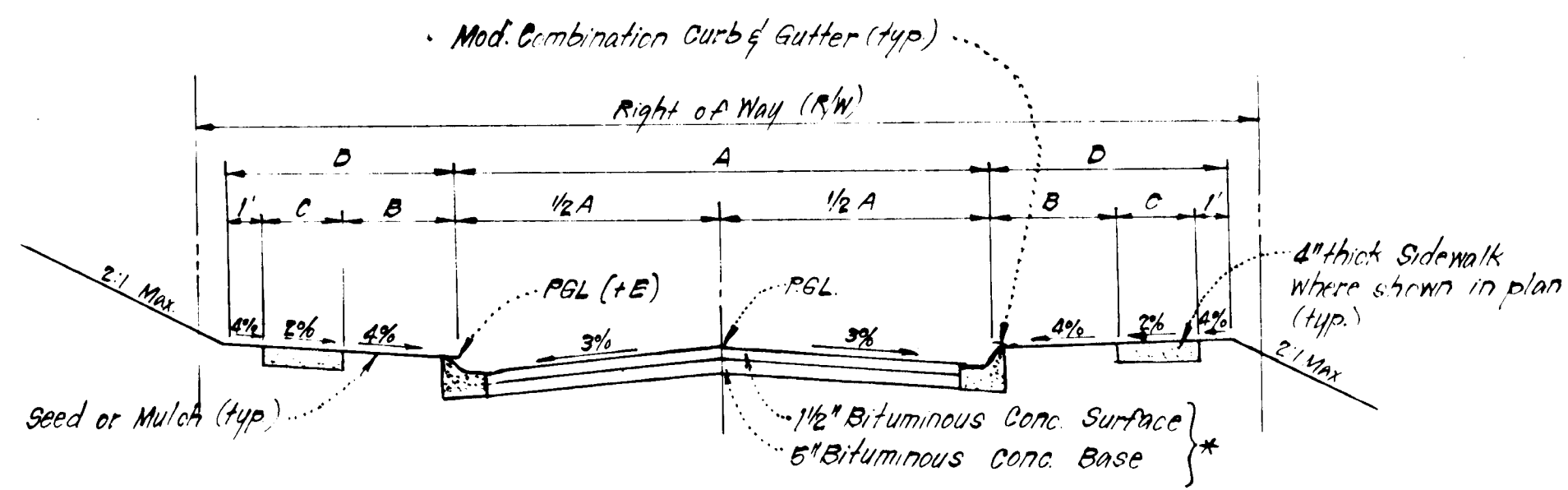
1315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400

DESIGNED	JLS	ROAD CONSTRUCTION PLAN RIVERS EDGE ROAD & RIVERS VIEW COURT	SCALE	As Shown
DRAWN	K.J.W.	RIVERSIDE	DRAWING	2 OF 5
CHECKED	JLS	SECTION 1 AREA 2 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO.	82-0-27
DATE	11-11-83	FOR: STANLEY HALLE COMMUNITIES, INC. 3300 Annapolis Road Lanham, Md. 20801	FILE NO.	82-027-D



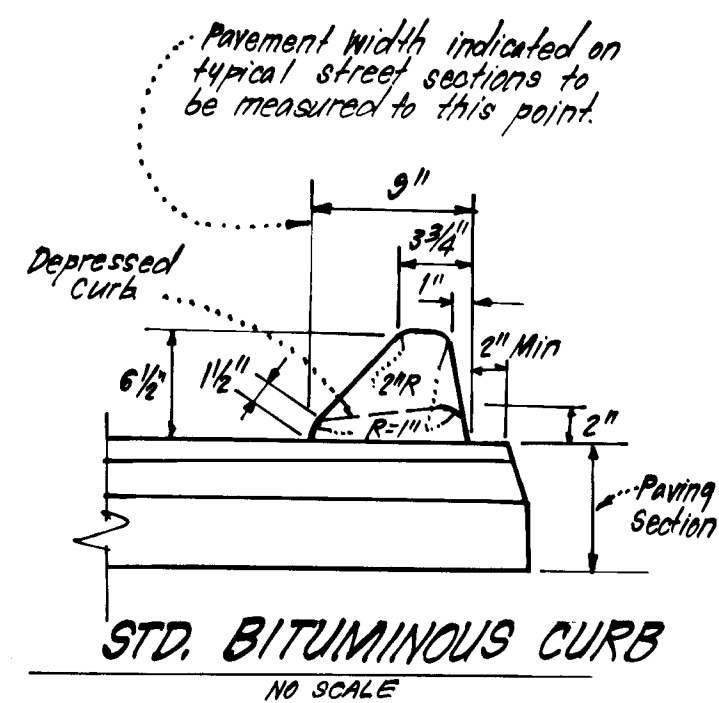
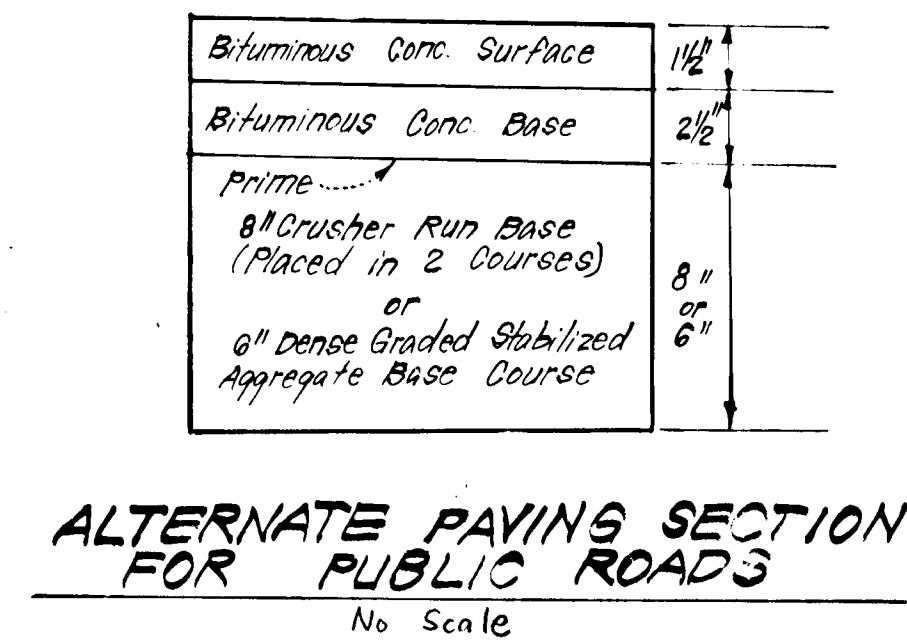
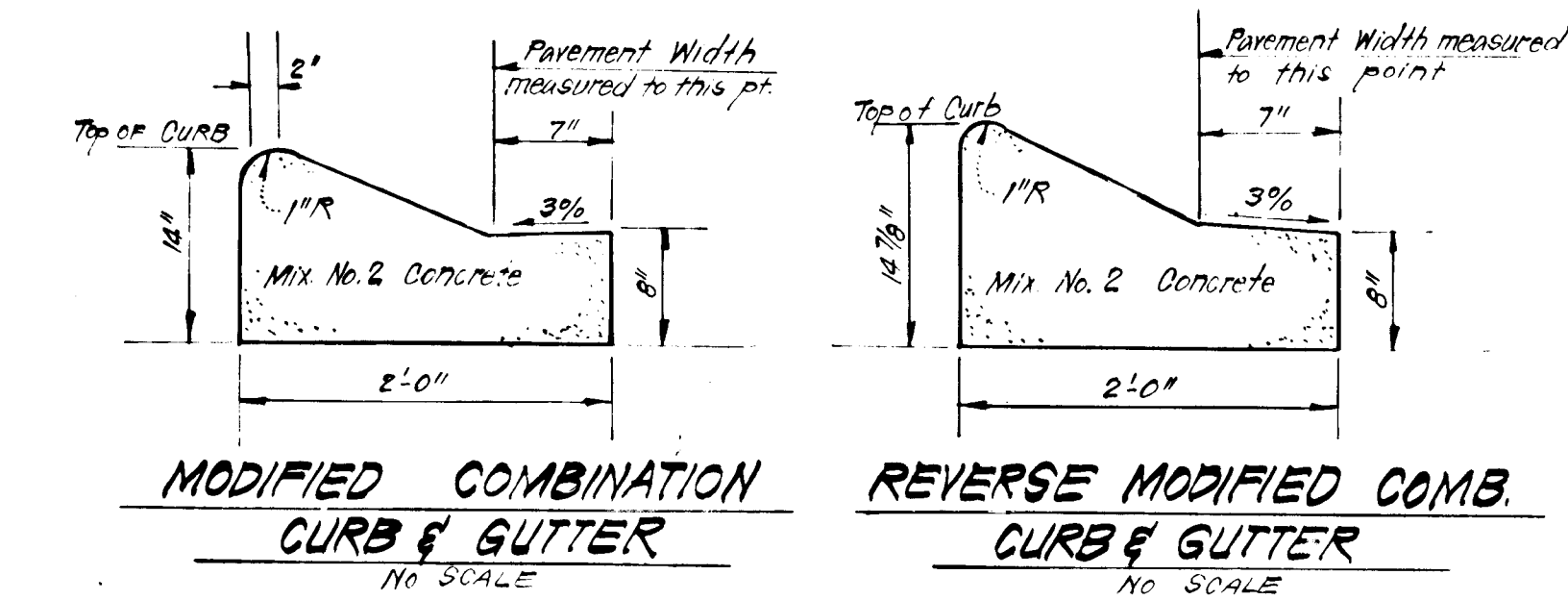
PROFILE SCALE
 HORIZ: 1"=50'
 VERT: 1"=5'

PROFILE LEGEND
 Profile Grade Line
 Existing G.
 B.R.L. (RA)
 B.R.L. (LA)



* For Alternate Paving Section - See det. this sheet.
TYPICAL PAVING SECTION - PUBLIC ROADS

STREET NAME & STATION	ROADWAY CLASSIFICATION	A	B	C	D	R/W	ZONING	DESIGN SPEED	E
Rivers Edge Rd. 1442.18 to 13193.89	LOCAL	30'	4'	4'	9'	50'	R-20	30 mph	105
Rivers Edge Rd. 14171.83 to 15173.32	CUL-DE-SAC	28'	4'	4'	9'	50'	R-20	30 mph	108
Rivers View Ct. 11007.11 to 1108.88	CUL-DE-SAC	28'	4'	4'	9'	50'	R-20	30 mph	108
Newberry Drive 5114.45 to 52114.41	LOCAL	30'	4'	4'	9'	50'	R-20	30 mph	105

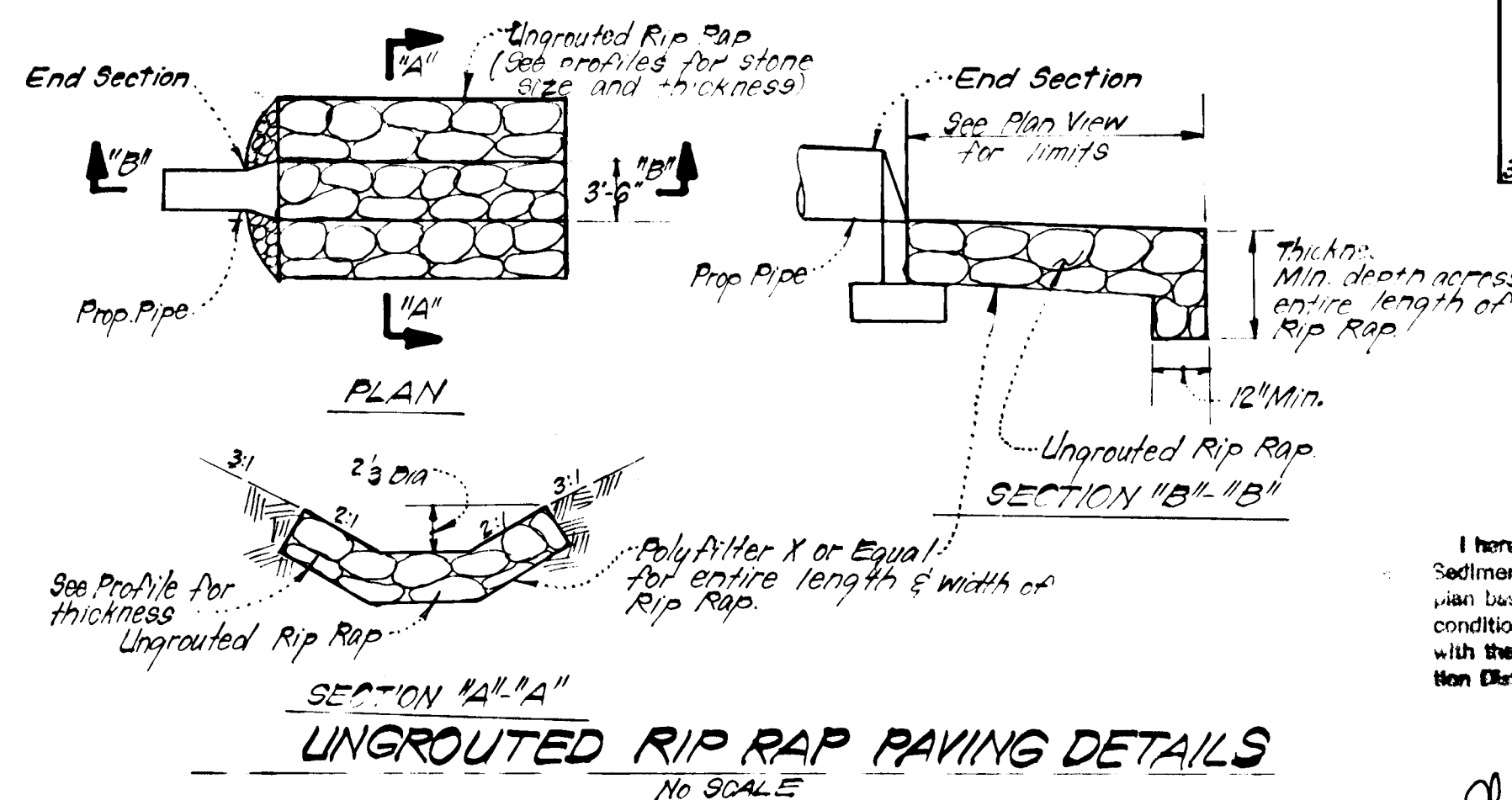
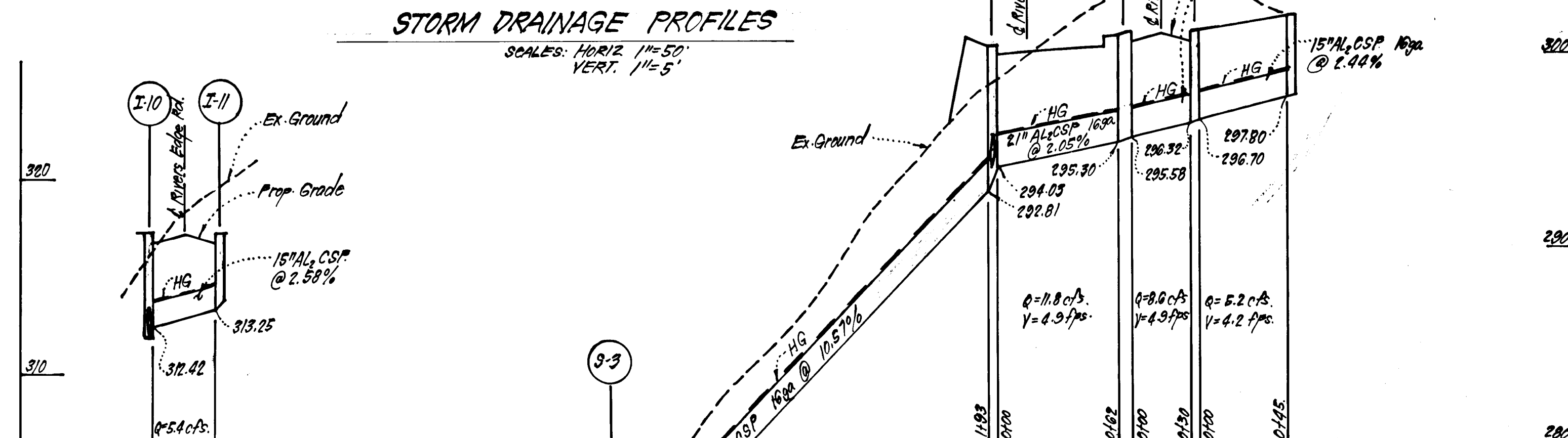
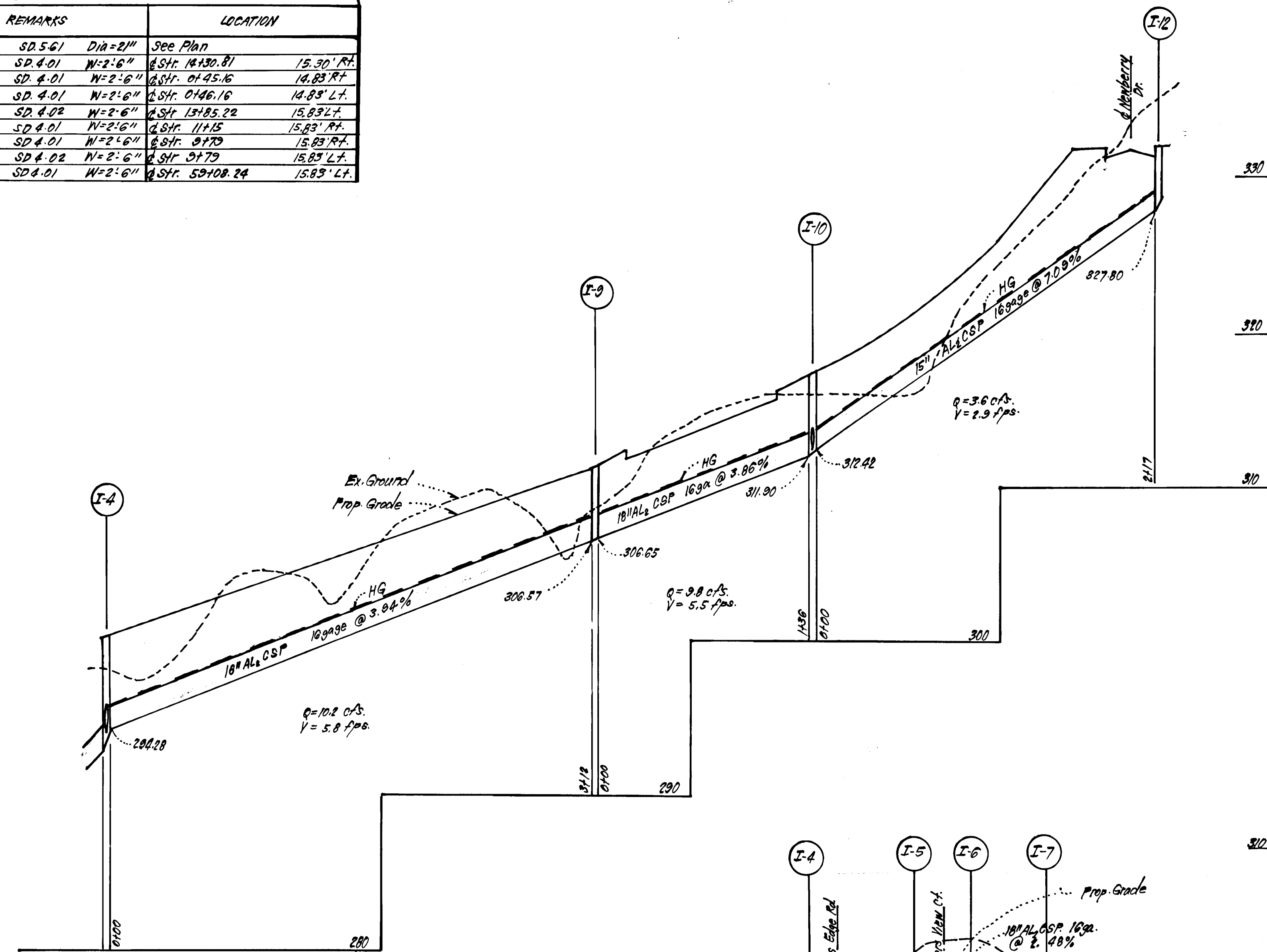


No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
S-3#	Metal End Section	272.42	272.10	-	-	Ho. Co. Std. SD 5.61 Dia=21"	See Plan
I-4*	14.5" Inlet w/Deflector	294.28	292.81	300.36	300.15	" " " SD 4.01 W=2'6"	6.5% SH. 14130.81
I-5*	14.5" Inlet w/Deflector	295.58	295.30	300.64	300.39	" " " SD 4.01 W=2'6"	6.5% SH. 0145.16
I-6*	14.5" Inlet w/Deflector	296.70	296.32	300.68	300.43	" " " SD 4.01 W=2'6"	6.5% SH. 0146.16
I-7*	14.5" Inlet w/Deflector	-	297.80	301.80	301.36	" " " SD 4.02 W=2'6"	6.5% SH. 13185.22
I-9	14.5" Inlet	306.65	306.57	310.18	309.89	" " " SD 4.01 W=2'6"	6.5% SH. 11115
I-10*	14.5" Inlet w/Deflectors	312.42	311.90	316.98	316.67	" " " SD 4.01 W=2'6"	6.5% SH. 0170
I-11*	14.5" Inlet w/Deflectors	-	313.25	317.15	316.52	" " " SD 4.02 W=2'6"	6.5% SH. 0179
I-12	14.5" Inlet	-	327.80	331.28	331.14	" " " SD 4.01 W=2'6"	6.5% SH. 59108.24

* See Ho. Co. Std. SD 4.83 for Inlet Deflectors.
 # See Ho. Co. Std. SD 5.62 for type of Connection
 Δ All Inverts to be fully developed.

SIZE	TYPE	LENGTH
18"	AL ₂ CSP 16ga	294 LF
18"	AL ₂ CSP 16ga	478 LF
21"	AL ₂ CSP 16ga	255 LF

* 2 1/2" x 1/2" cuttings



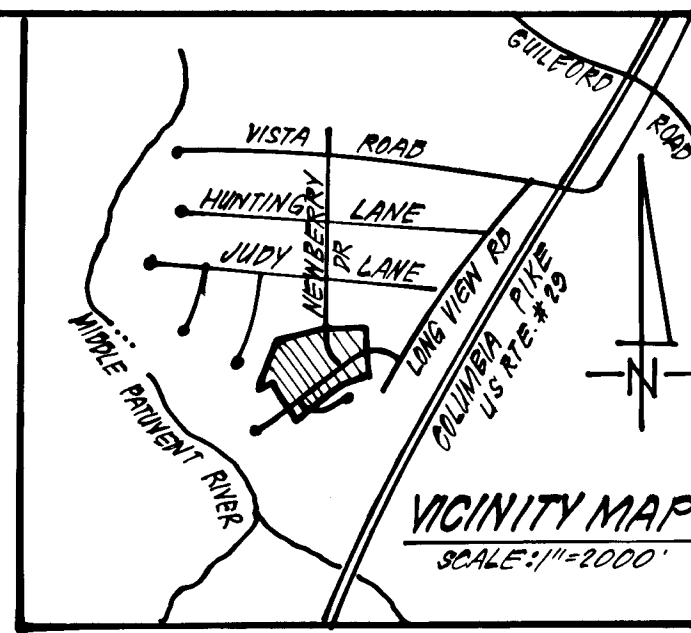
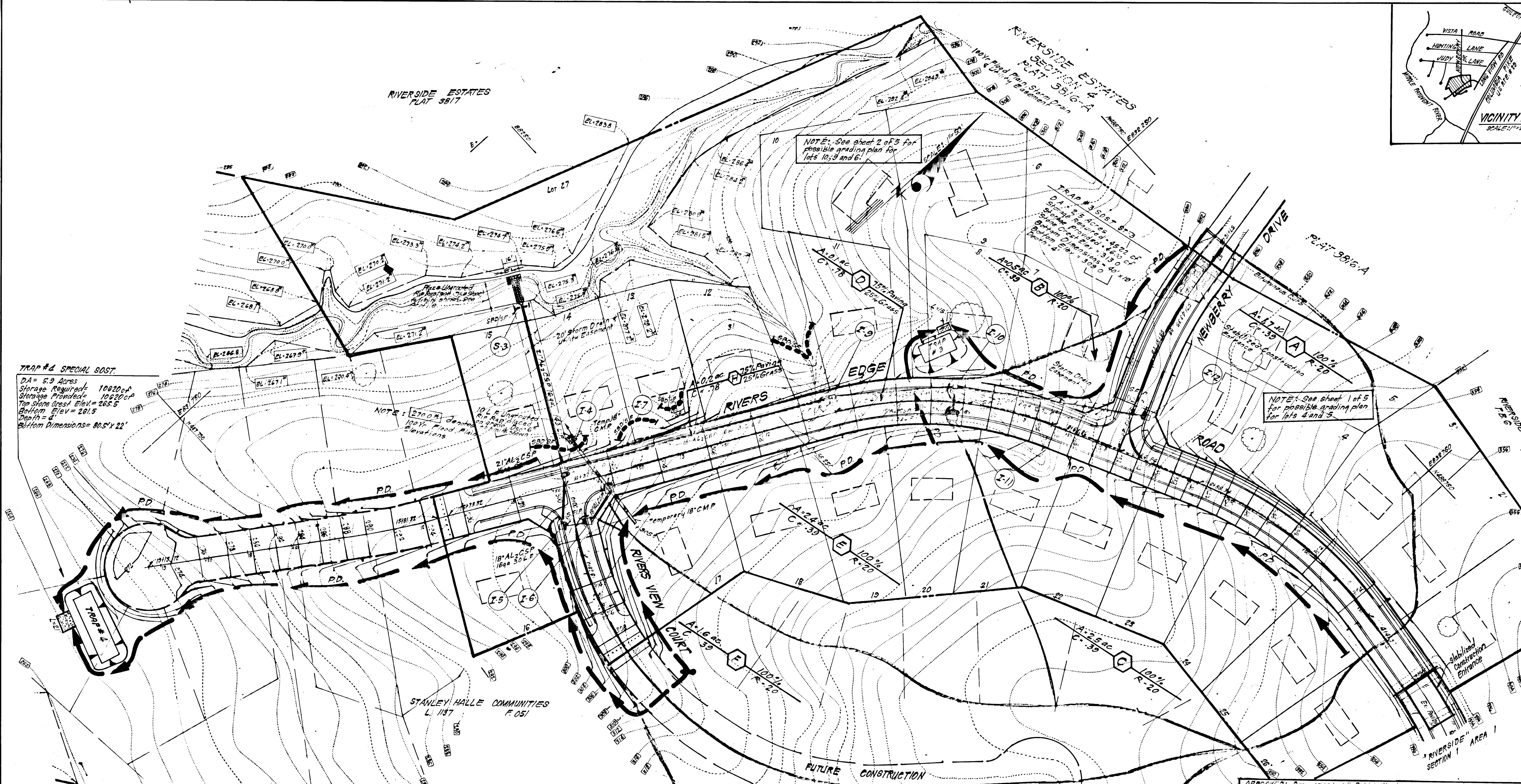
ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 G. Nelson Clark 11-11-83 Date



Reviewed for Howard S.C.D. and meets technical requirements
 Signature: [Signature] Date: 1-12-84
 U.S. Soil Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE
 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 of this plan 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.
 Signature: [Signature] Date: 7-2-83

APPROVED: Department of Public Works
 Chief, Bureau of Engineering
 APPROVED: Howard County Office of Planning and Zoning
 Chief, Division of Land Development & Zoning Administration
CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11314 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400
DESIGNED JLS
DRAWN JLS
CHECKED JLS
DATE 11-11-83
SCALE As Shown
DRAWING 3 OF 5
JOB NO. 82-027
FILE NO. 82-027-D
RIVERSIDE
 SECTION 1 AREA 2
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: STANLEY HALL COMMUNITIES, INC.
 9300 Annapolis Rd.
 Landover, Maryland 20801



TRAP #4 SPECIAL SOST.
 DA = 5.9 Acres
 Storage Required = 10622 cu ft
 Storage Provided = 10620 cu ft
 Top Stone Crest Elev. = 265.5
 Bottom Elev. = 261.5
 Depth = 4'
 Bottom Dimensions = 80.5' x 22'

NOTE: 2700A - 100% Flood Plain Elevations

NOTE: See sheet 2 of 5 for possible grading plan for lots 10, 9 and 6.

NOTE: See sheet 1 of 5 for possible grading plan for lots 4 and 5.

- LEGEND:**
- 1. Existing Contour (2' Interval)
 - 2. Proposed Contour
 - 3. Proposed Storm Drain
 - 4. Perimeter Dike
 - 5. Straw Bale Dike / Silt Fence
 - 6. Stone Filter Inlet Protection

Note: See Previously Approved Rough Grading Plan for Riverside for Exist. Sediment & Erosion Control Measures.

Reviewed for: **HOWARD** S.C.D.
 Name: **James M. ...**
 Date: **1-12-84**
 U.S. Soil Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE
 "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."
 Signature: **Stanley Halle**
 Date: **6-2-83**

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature: **G. Nelson Clark**
 Date: **11-11-83**

APPROVED: Department of Public Works
 Chief, Bureau of Engineering
 APPROVED: Howard County Office of Planning and Zoning
 Division of Land Development & Zoning Administration

CLARK • FINEFROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593-3400	
DESIGNED: JLS	SCALE: 1" = 50'
DRAWN: VLB	DRAWING: 4 of 5
CHECKED: JLS	JOB NO.: 82-027
DATE: 11-11-83	FILE NO.: 82-027-D

#98

