

- GENERAL NOTES:**
- All Storm Drain & Paving shall be constructed in accordance with the latest details and specifications of How. Co. & M.D.S.H.A.
 - Types of Storm Drain structures refer to the Standard Details of How. Co. & Maryland State Highway Administration.
 - Trench Compaction for Storm Drains within Road or Street right of way limits shall be in accordance with the latest Howard Co. Road Code.
 - Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elev. 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 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 A.A.S.H.O.
 - Provide Concrete Sidewalk Ramps in curbs, where shown in plan. See detail sht. 2.
 - Design Speed: 25 mph.

As BUILT SURVEY Dated 9/27/82
 SIGNED AND SEALED BY
 DONALD B. SACKETT REG. NO. 6059

APPROVED: Department of Public Works	12-3-79
<i>W. O. P. [Signature]</i> Chief, Bureau of Engineering	Date
APPROVED: Howard County Office of Planning and Zoning	11-2-79
<i>[Signature]</i> Chief, Division of Land Development	Date

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS
 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 993-3400

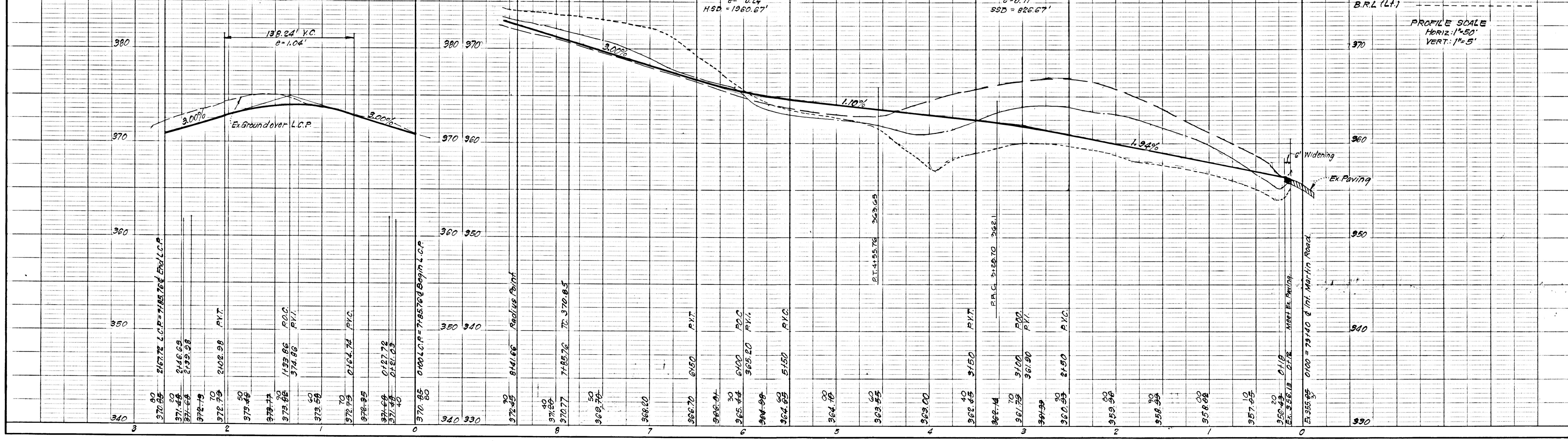
DESIGNED D.A.B.	ROAD CONSTRUCTION PLANS WINDSOR COURT	SCALE As Shown
DRAWN K.I.W.	CAROLINE ESTATES	DRAWING 1044
CHECKED D.A.B.	5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 79-012
DATE Aug, 1979	FOR: S.F.M. DEVELOPMENT Suite 312 Teachers Building Columbia, Md. 21044	FILE NO. 79-012-D

**LINEAR CURB PROFILE
WINDSOR COURT**

**PROFILE
WINDSOR COURT**

PROFILE LEGEND
 Prop. Grade Line
 Exist. G.
 B.R.L. (Rt.)
 B.R.L. (Lt.)

PROFILE SCALE
 Horiz: 1" = 50'
 Vert: 1" = 5'

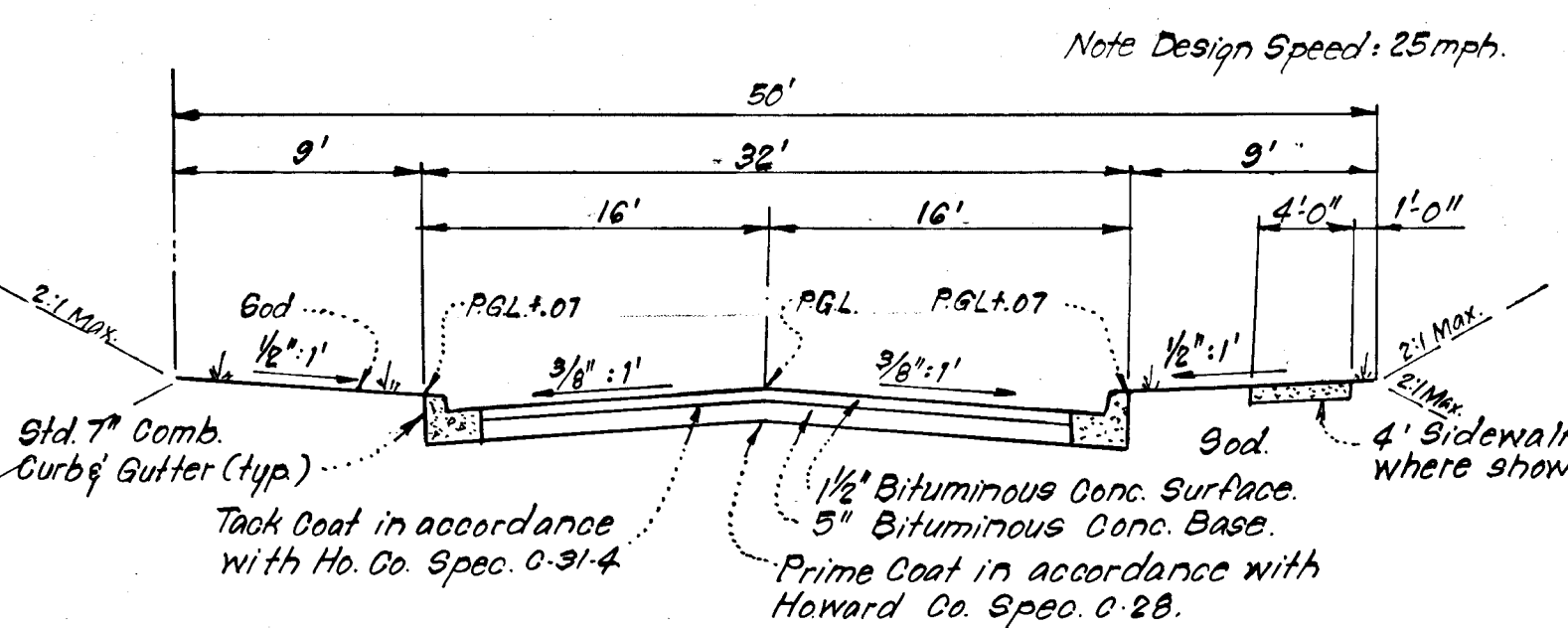
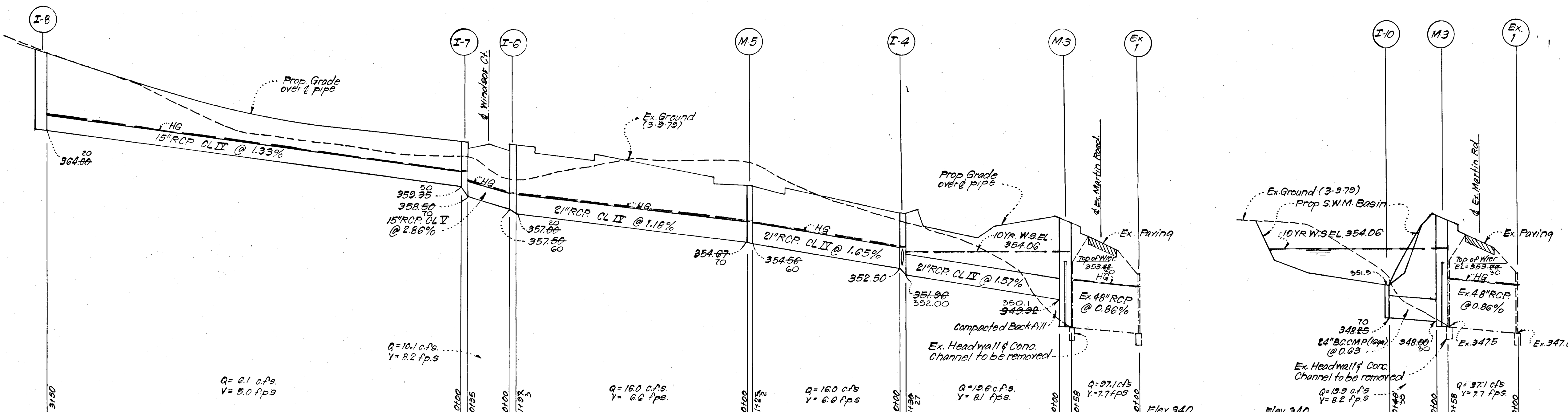
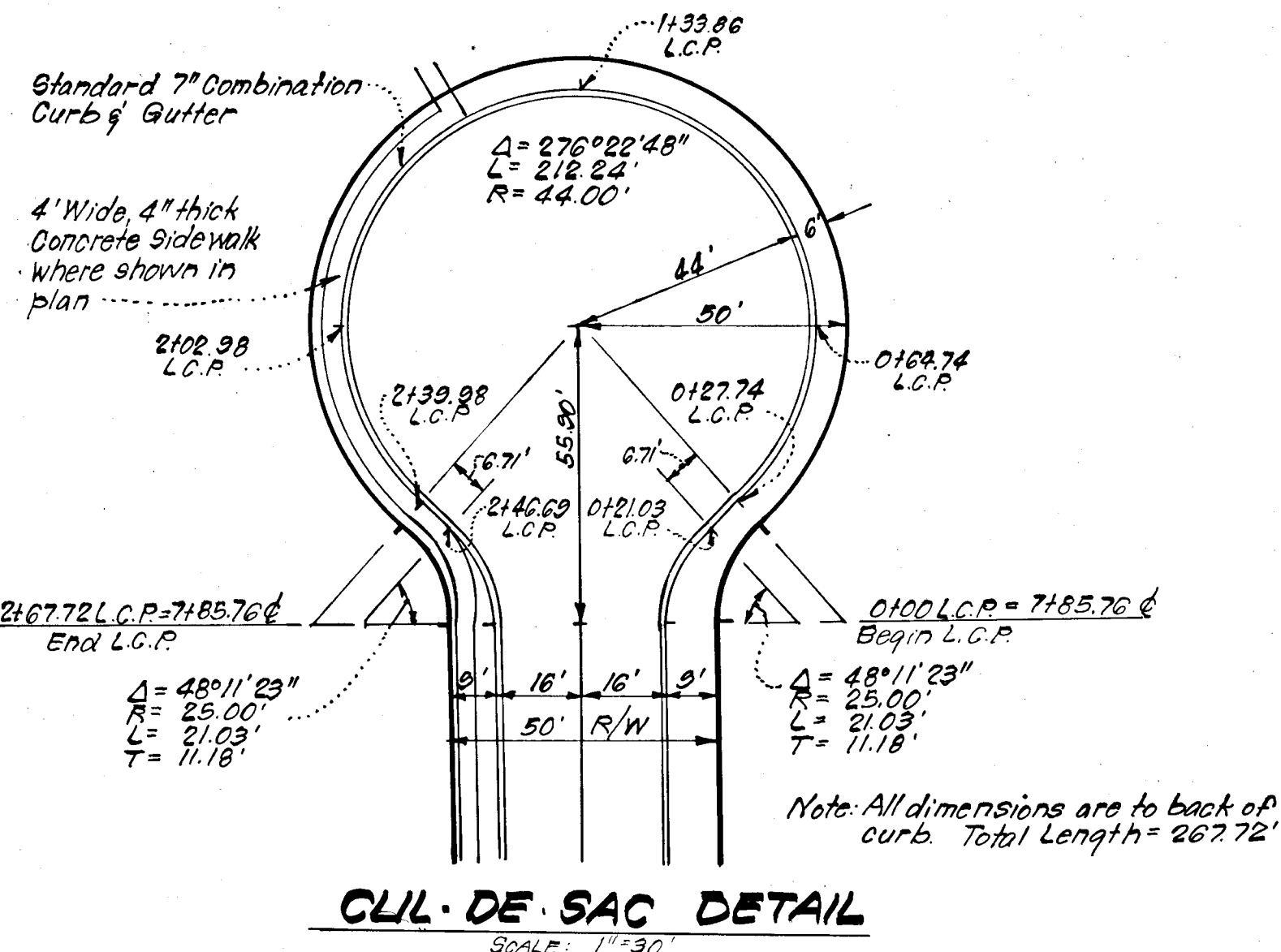


814

592-2420

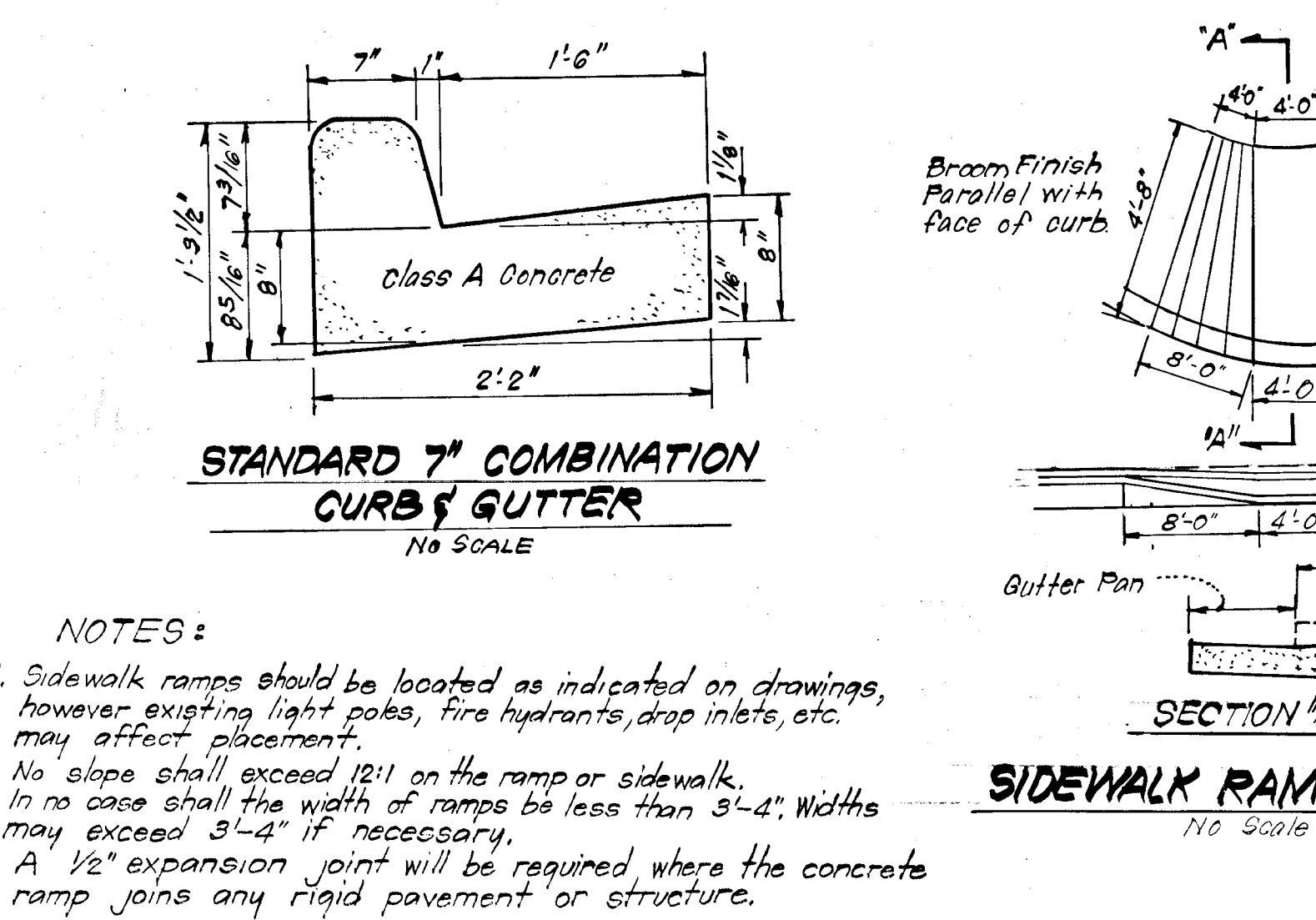
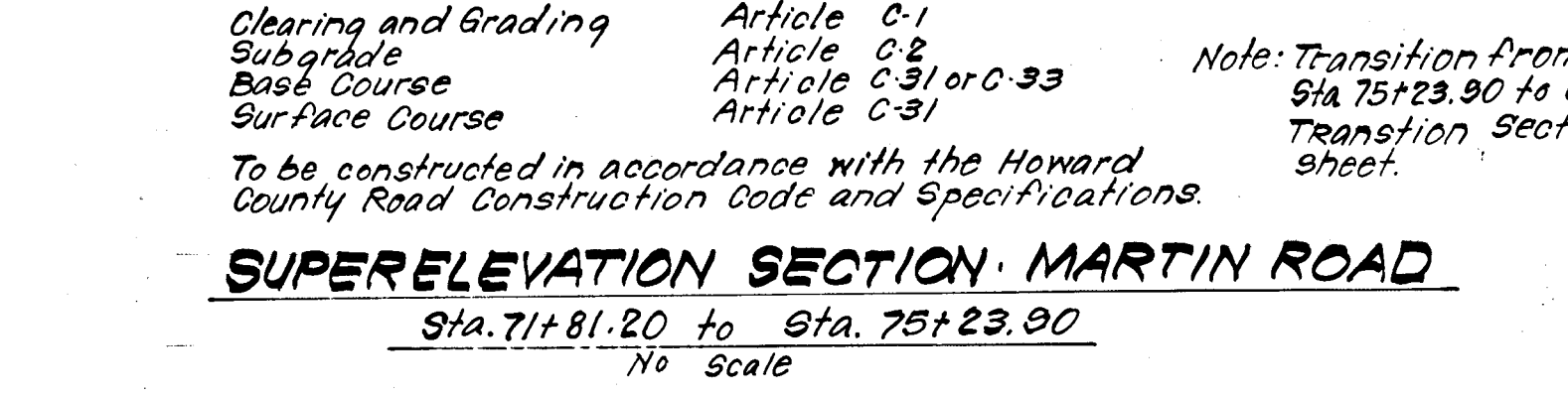
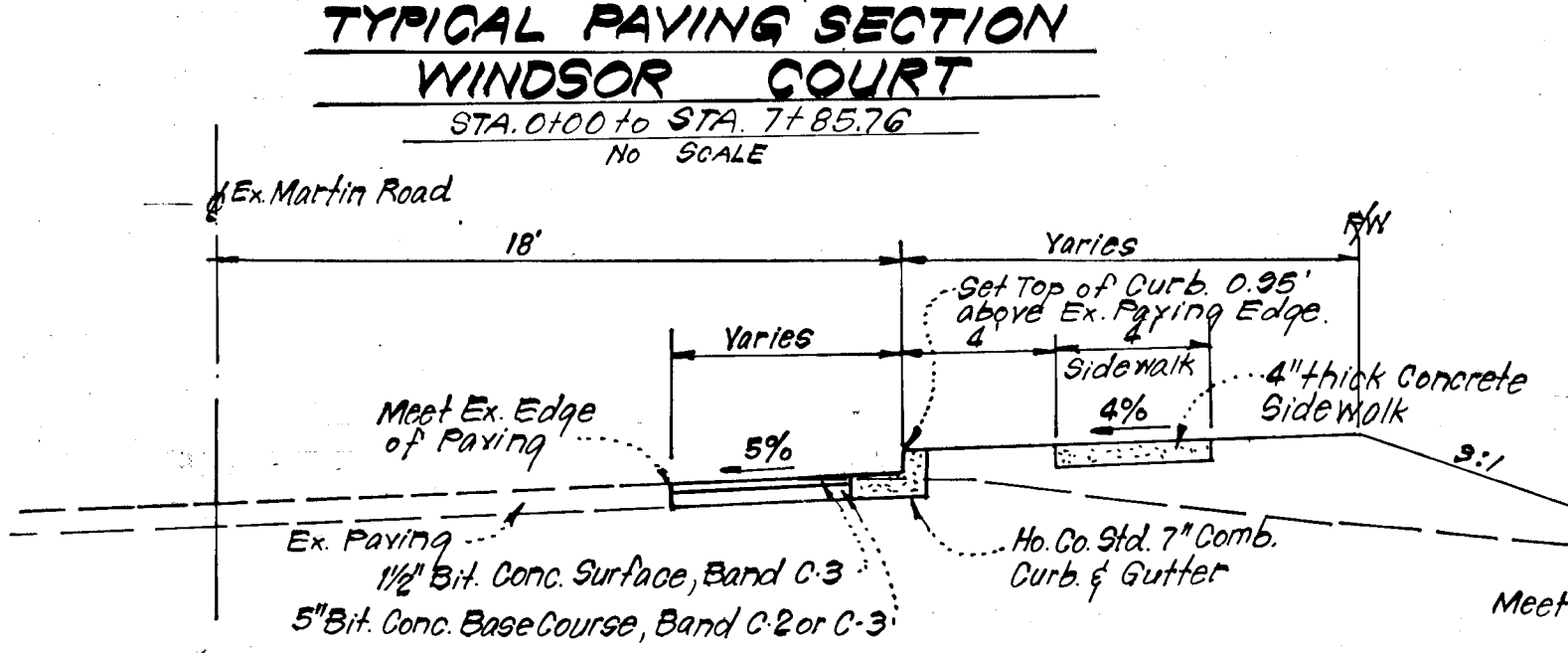
As Built December 1982

Note: For Top of Curb Elevations See Respective Profiles

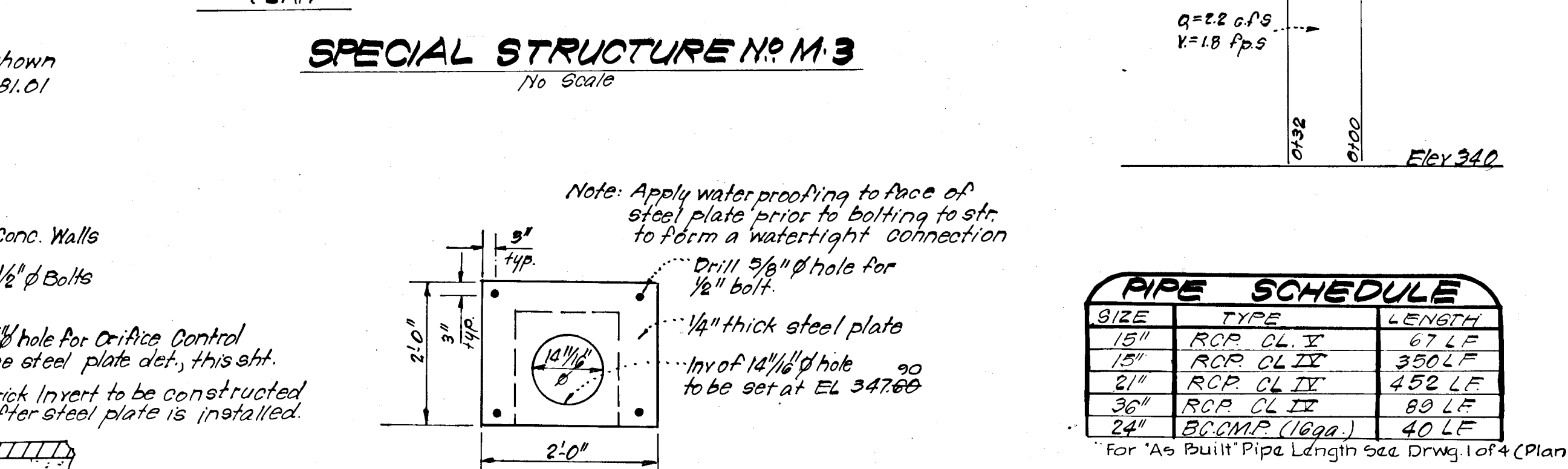
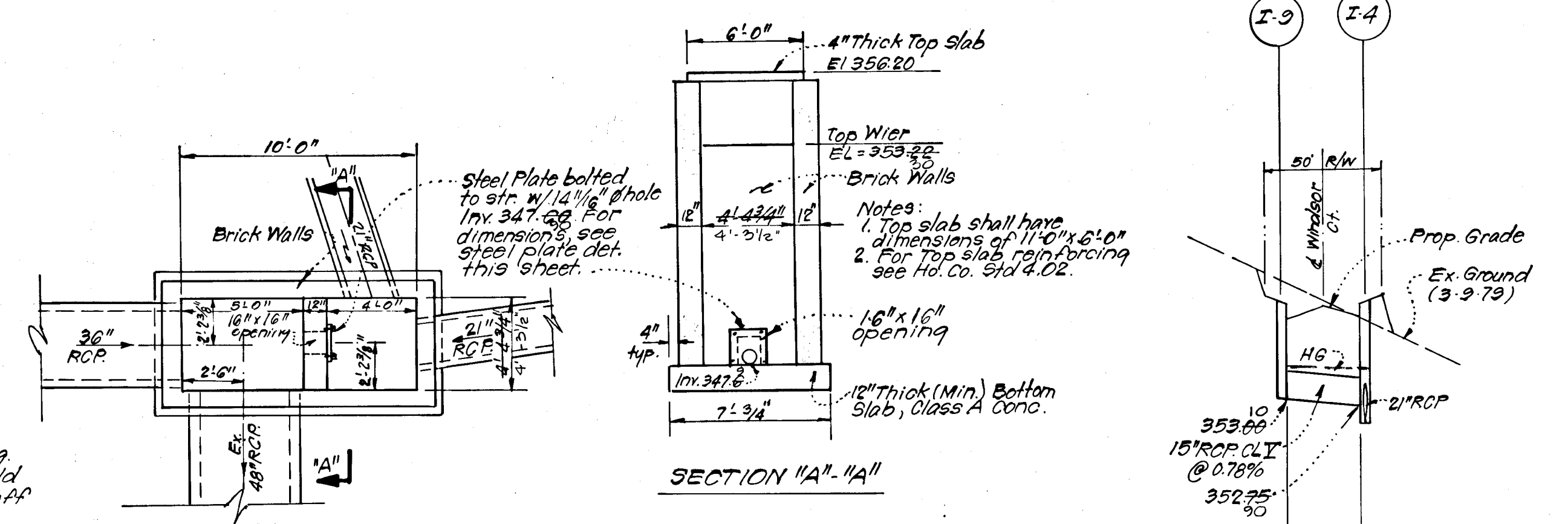
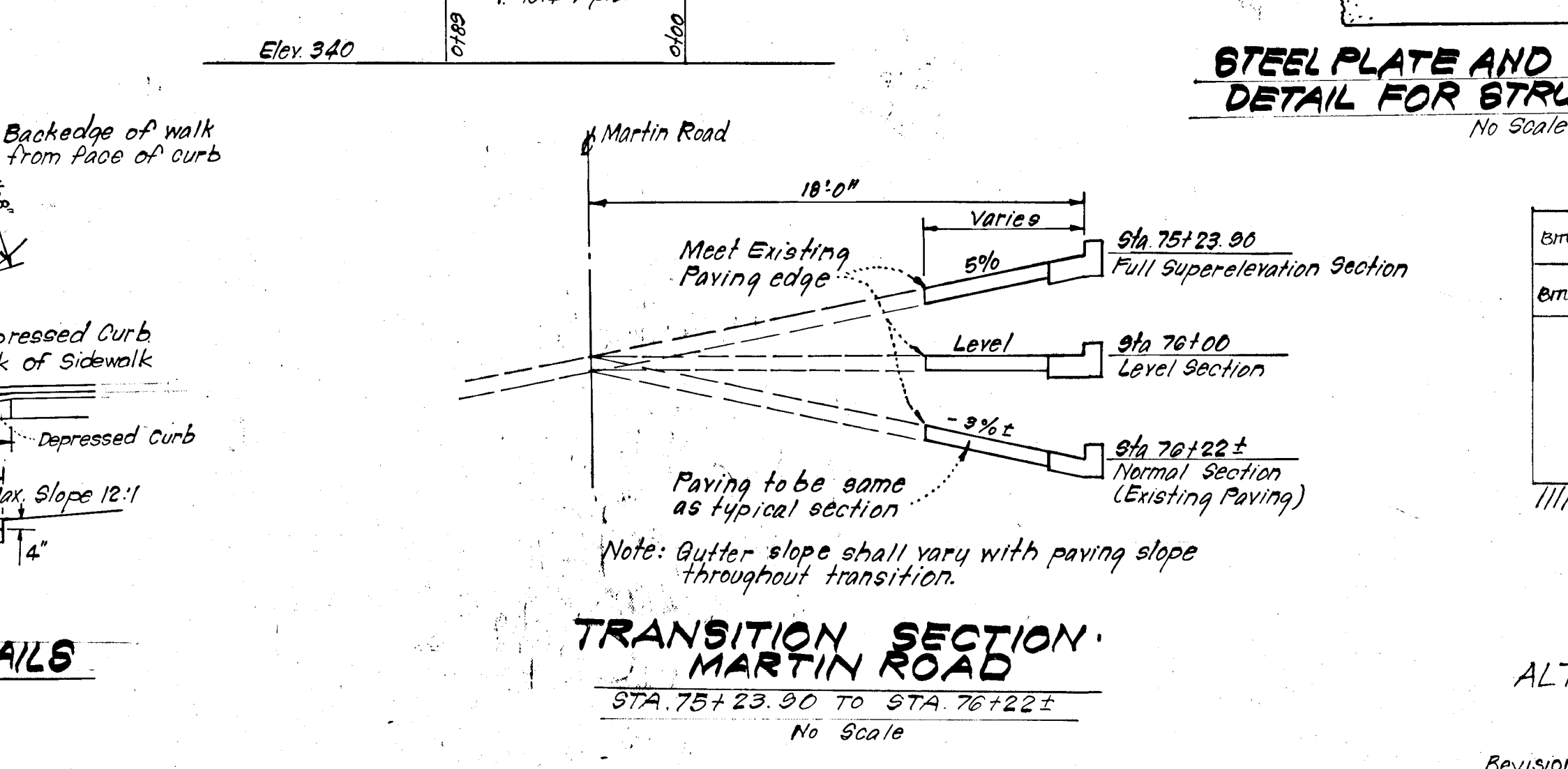
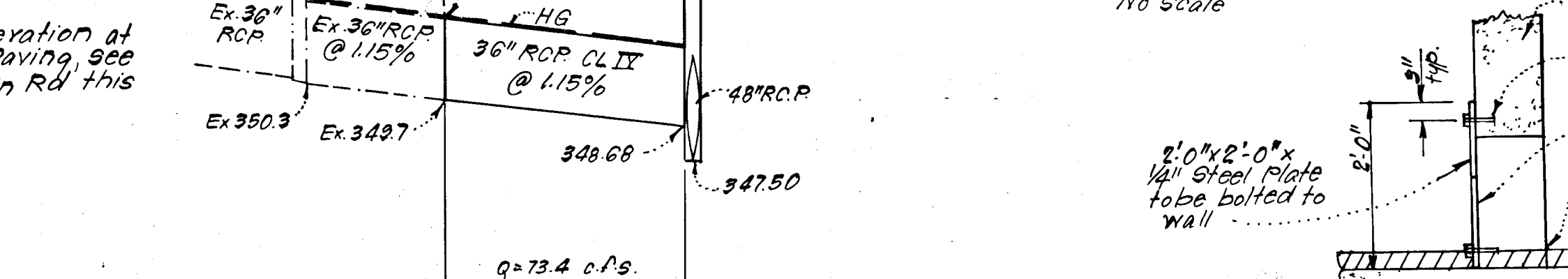
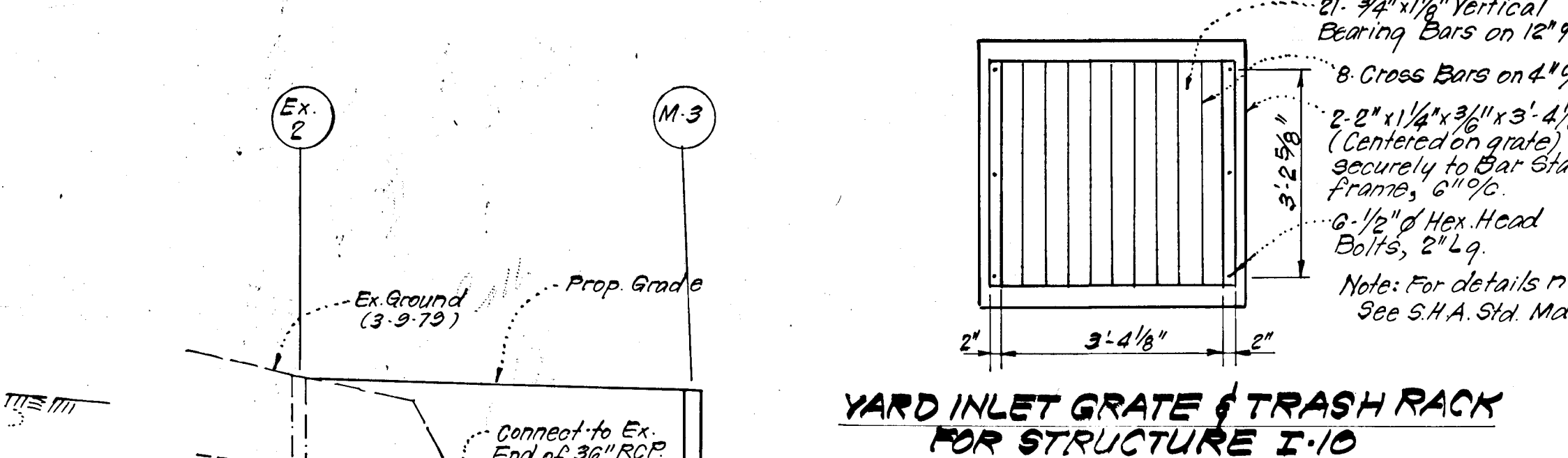


STRUCTURE SCHEDULE							
No.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
M-3	A-10 Modified	353.92	348.00	350.50	340.00	Special Str. See det. this sht.	See Plan
I-4	A-5 Inlet w/Deflectors	353.25	351.26	357.35	357.22	How. Co. Std. Fig. 4.01 W=3'6"	Lower End 10.72' Lt. & Sta. 0155.18
M-5	B- Manhole	354.67	354.56	358.50	358.50	How. Co. Std. Fig. 3.03 48" dia	& Manhole 6' Lt. & Sta. 1+90
I-6	A-10 Inlet	357.50	357.00	363.27	362.98	How. Co. Std. Fig. 4.03 W=2'6"	Lower End 10.72' Lt. & Sta. 31+92.00
I-7	A-10 Inlet	359.25	358.50	363.27	363.15	How. Co. Std. Fig. 4.03 W=2'6"	Lower End 10.72' Lt. & Sta. 4+07.00
I-8	A-10 Inlet w/Deflectors	364.00	364.00	370.75	370.41	How. Co. Std. Fig. 4.03 W=2'6"	Lower End 10.72' Lt. & Sta. 7+43
I-9	A-5 Inlet w/Deflectors	353.00	353.00	357.35	357.22	How. Co. Std. Fig. 4.01 W=2'6"	Lower End 10.72' Lt. & Sta. 0155.18
I-10	Yard Inlet	348.25	348.25	351.00	351.00	S.H.A. Std. MD# 381.01	See Plan

* Refer to S.H.A. Fig. 381.01 except inside dimensions shall be 3'-0" x 3'-0" for Modified Grate, see det. this sht., str. I-10.
+ See How. Co. Std. Fig. 4.83 for deflector detail.



- NOTES:**
- Sidewalk ramps should be located as indicated on drawings, however existing light poles, fire hydrants, stop inlets, etc. may affect placement.
 - No slope shall exceed 12:1 on the ramp or sidewalk.
 - In no case shall the width of ramps be less than 3'-4". Widths may exceed 3'-4" if necessary.
 - A 1/2" expansion joint will be required where the concrete ramp joins any rigid pavement or structure.



PIPE SCHEDULE	
SIZE	LENGTH
18" RCP CL V	67 LF
15" RCP CL IV	350 LF
21" RCP CL IV	452 LF
36" RCP CL II	80 LF
24" BCCMP (1000)	40 LF

* For "As Built" Pipe Length see Drwg. 1 of 4 (Plan)

As BUILT SURVEY DATED 9/27/02
SIGNED AND SEALED BY
DONALD B. SACKETT REG. NO. 6059

APPROVED: Department of Public Works
12-3-79 Date

APPROVED: Howard County Office of Planning and Zoning
11-27-79 Date

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ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400

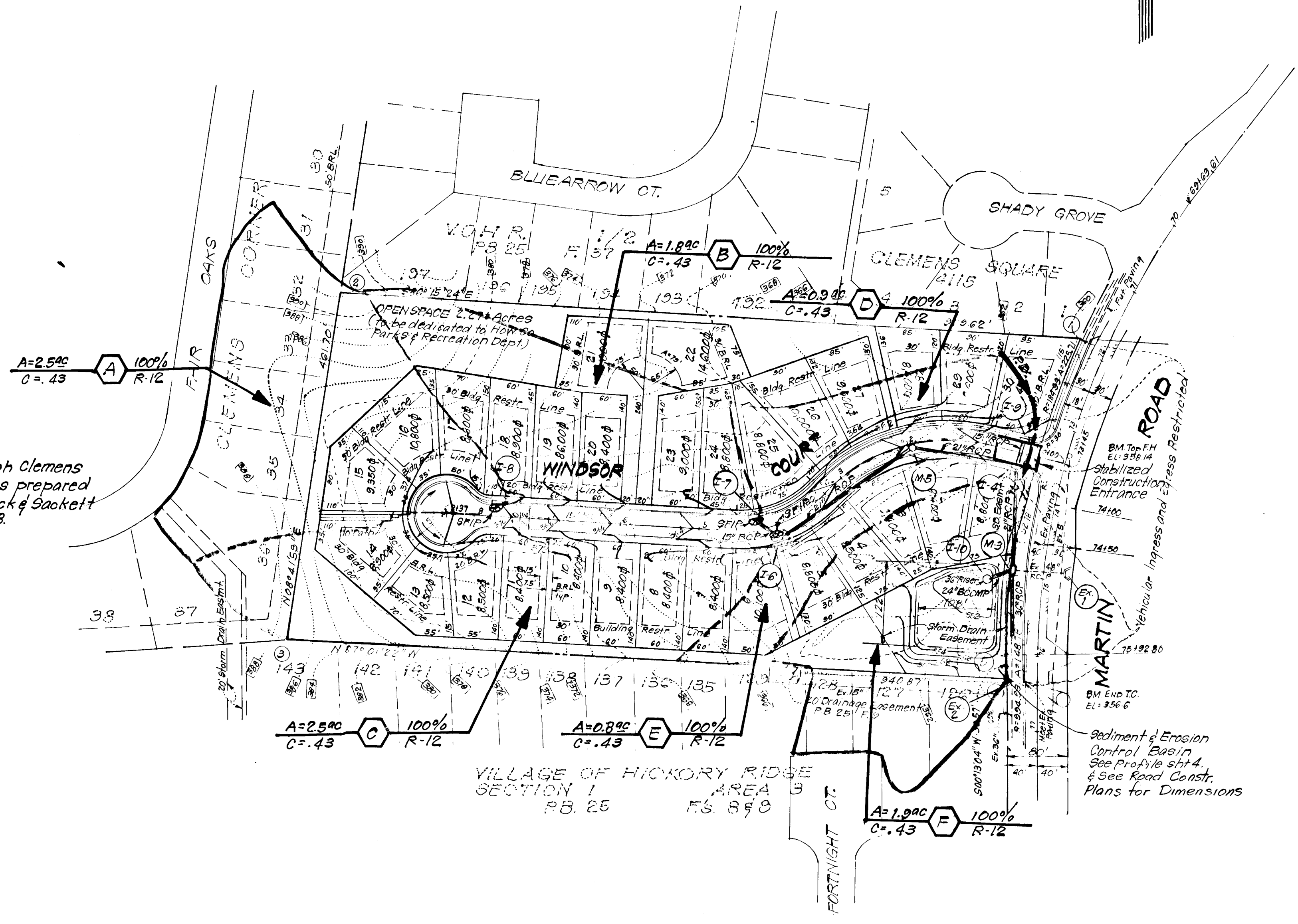
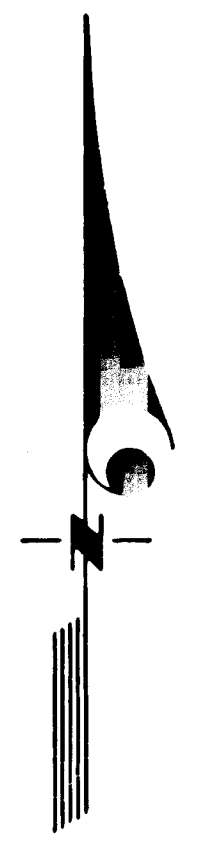
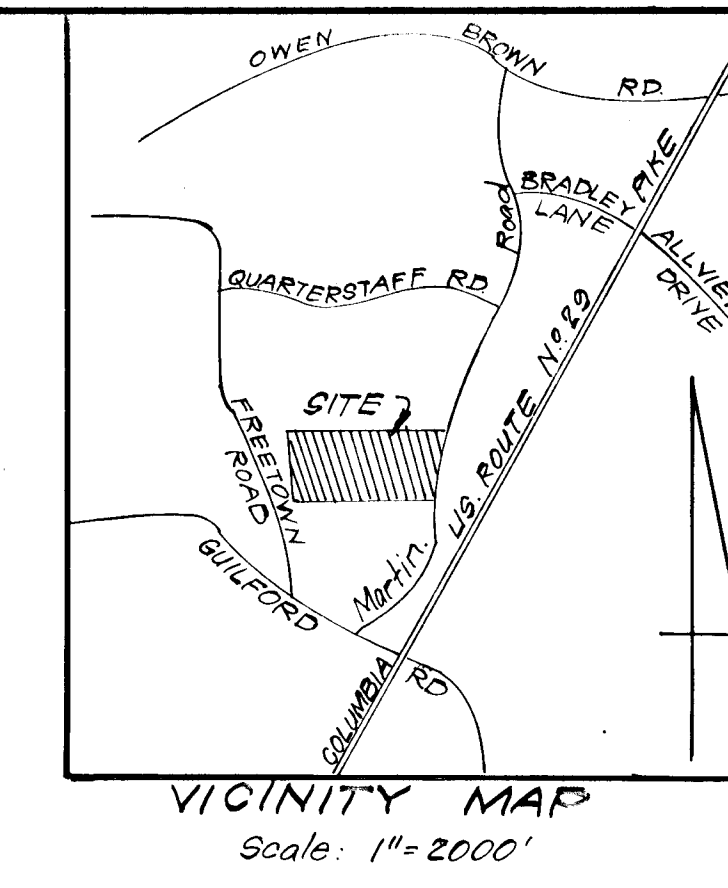
ROAD CONSTRUCTION PLANS
STORM DRAINAGE AND PAVING PLANS
WINDSOR COURT
CAROLINE ESTATES

5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR: K. & M. DEVELOPMENT
Suite 312 Teachers Building
Columbia, Md 21044

DESIGNED: D.A.B.
DRAWN: K.I.W.
CHECKED: D.A.B.
DATE: Aug, 1979

SCALE: As Shown
DRAWING: 2 of 4
JOB NO.: 79-012
FILE NO.: 79-012 D

ALTERNATE PAVING SECTION
ALL PUBLIC STREETS
Revision 6/30/80 - Added Paving Detail



Note: Ridge Line through Clemens Corner from plans prepared by Clark, FineFrock & Sackett Dated May 1978.

- LEGEND:**
- 1 Contour Interval 2 Ft.
 - 2 Existing Contour
 - 3 Existing Storm Drain
 - 4 Proposed Storm Drain
 - 5 Proposed Contour
 - 6 Perimeter Dike
 - 7 Stone Filter Inlet Protection
 - 8 Stabilized Construction Entrance

COORDINATE TABLE		
N ^o	NORTH	EAST
1	494,213.49	836,016.46
2	494,276.80	835,048.91
3	493,820.41	834,979.07
4	493,771.76	835,914.68
5	493,802.33	835,914.79
6	493,950.52	835,926.46
7	493,999.73	835,945.54

Reviewed for HOWARD S.C.D.
and meets Technical Requirements
James M. Nelson 11-27-79
Name Date
U.S. Soil Conservation Service

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

William T. Rowe 11-27-79
Approved Date

DEVELOPER'S CERTIFICATE

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 authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Robert V. Kirk President 11-26-79
Signature Date

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.

W. Nelson Clark 8-20-79
Signature Date



AS BUILT SURVEY DATED 9/27/82
SIGNED AND SEALED BY
DONALD B. SACKETT REG. NO. G059

APPROVED: Department of Public Works
W. O. Albert 12-3-79
Chief, Bureau of Engineering Date

APPROVED: Howard County Office of Planning & Zoning
Arthur W. Mueselmann 11-27-79
Chief, Division of Land Development Date

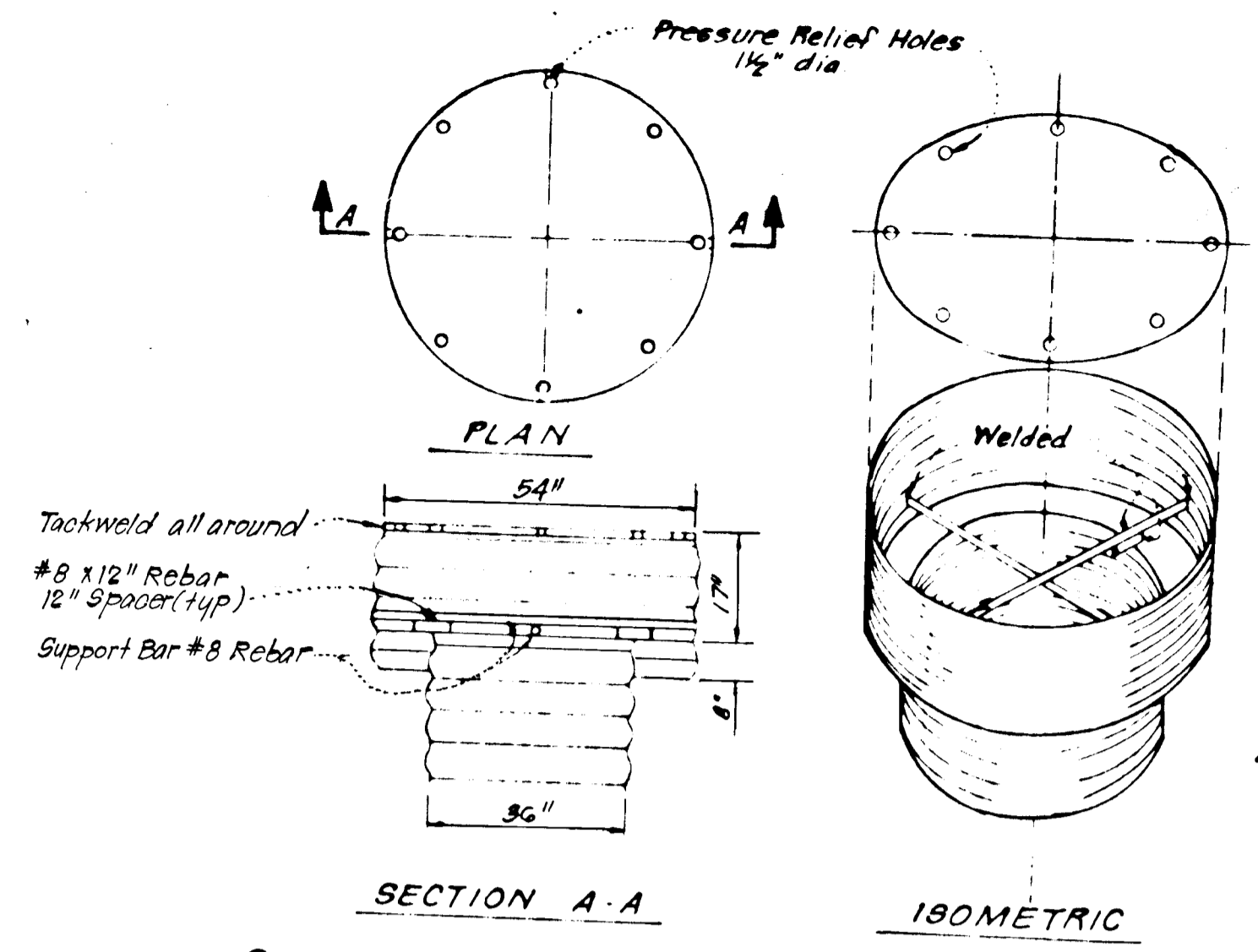
CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED DAB	ROAD CONSTRUCTION PLANS DRAINAGE AREA MAP AND SEDIMENT & EROSION CONTROL PLAN CAROLINE ESTATES	SCALE 1"=100'
DRAWN K.I.W.		DRAWING 3 of 4
CHECKED DAB		JOB NO. 79-012
DATE Aug, 1979		FILE NO. 79-012D

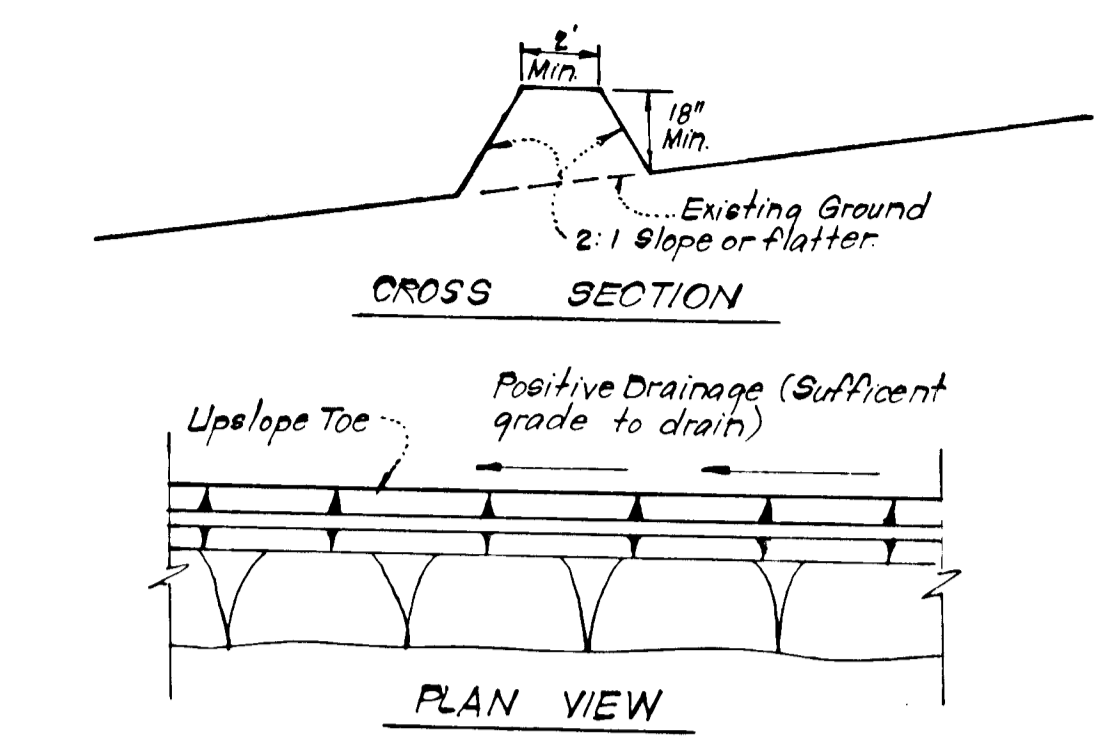
FOR: K.M. DEVELOPMENT, suite 312
Teachers Building
Columbia, Maryland. 21044

GENERAL NOTES

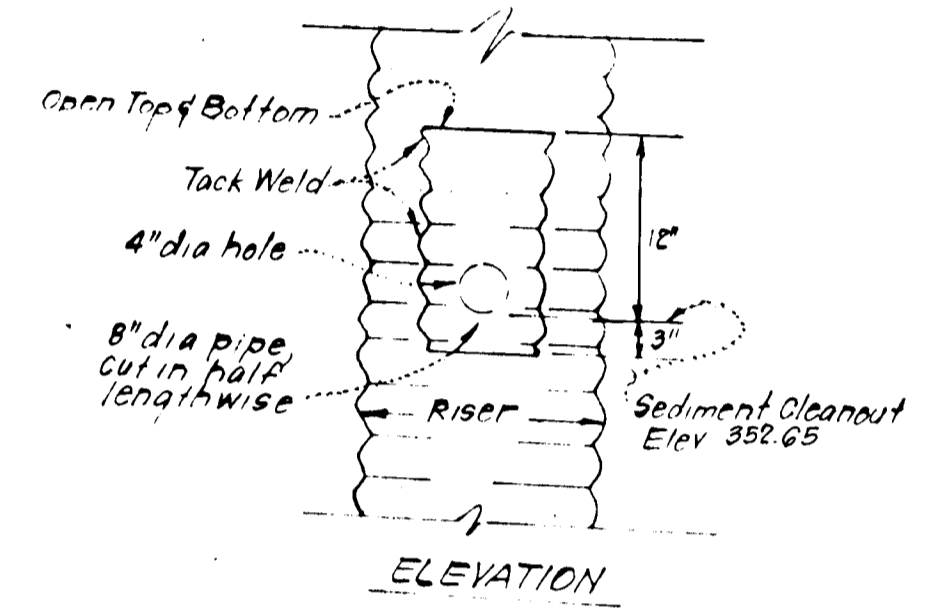
- Grading Permits shall be obtained prior to installation of Sediment Control & Grading.
 - All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of the existing surface of the site. See note #6 for stabilization except that the seed mixture will be annual rye applied at a rate of 1.4 lbs/1000 sq ft.
 - Notify the Bureau of Inspections and Permits at least 24 hrs before starting any work.
 - All Sediment Control Practices to conform to the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" and shall be adjusted to meet actual field conditions.
 - Stabilization of Disturbed ground to be done as soon after construction as possible.
 - All grading shall be treated in accordance with the following Specifications:
 - A. Seed - certified 85% germination applied at the rate of 3/lbs/1000 sq ft. Mixture - 40% Kentucky Blue, 20% chewing Fescue, 20% Kentucky 31 and 20% annual rye.
 - B. Fertilizer - 10-10-10 applied at a rate of 23 lbs/1000 sq ft. Ground Agricultural Lime or Dolomitic Lime applied at a rate of 46 lbs/1000 sq ft.
 - C. Mulch - Weed free grain straw applied at a rate of 46 lbs/1000 sq ft. Mulch shall be secured to the ground by any approved method i.e., asphalt tacks, chemical binder, etc.
 - D. All Sod used shall be Maryland State Certified.
 - All Structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
 - On-Site Inspection and Maintenance of all Sediment Control Measures including clean out of Sediment Traps and dikes, and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
 - It will be the developers responsibility to provide additional Sediment & Erosion Control Devices to protect stabilized areas during construction.
 - The Contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
 - SITE ANALYSIS:**
 - A. Total Area: 3.7 Acres
 - B. Total Area to be Paved: 0.82 Acres
 - C. Total Area to be Seeded: 1.78 Acres
 - CONSTRUCTION SEQUENCE:**
 - A. Install Perimeter Dike, Stabilized Construction Entrance and Sediment Basin No. 1
 - B. Construct storm drainage M-3 to Ex. 2
 - C. Rough Grade to subgrade
 - D. Install storm drainage M-3* to I-9
 - E. Construct curb & gutter, paving & sidewalks.
 - F. Final Grade and Stabilize in accordance with general note #6.
 - SEDIMENT BASIN CONVERSION TO STORM WATER MANAGEMENT:**
 - A. Dewater Basin
 - B. Remove all Sediment and restore basin as shown on Clark, Finefrock & Sackett Road Construction Plans sht 1, 79-012-D.
 - C. Remove 36" RISER
 - D. Add Yard Inlet as shown on sheet 1.
 - E. Add Steel Plate for 2 yr flow control, see det. sht 2.
- * The steel plate shall not be constructed at this time, See general note #13



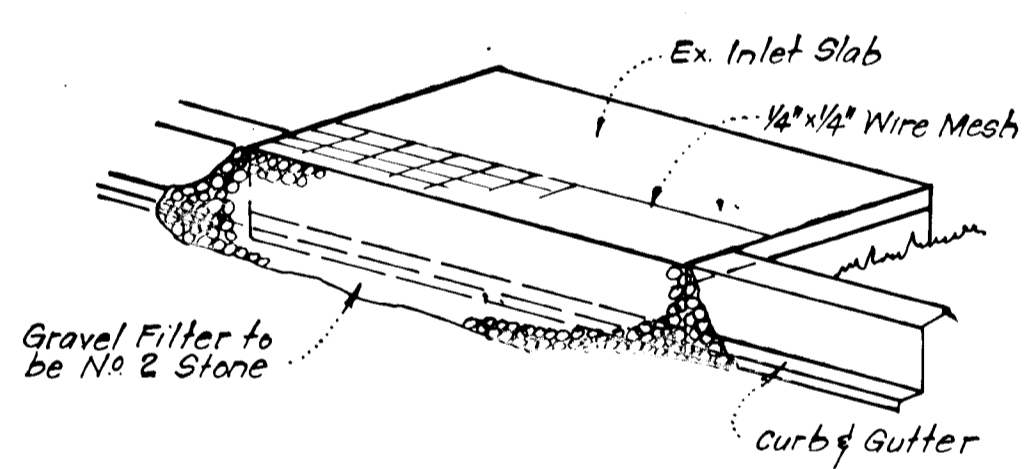
CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE
No Scale



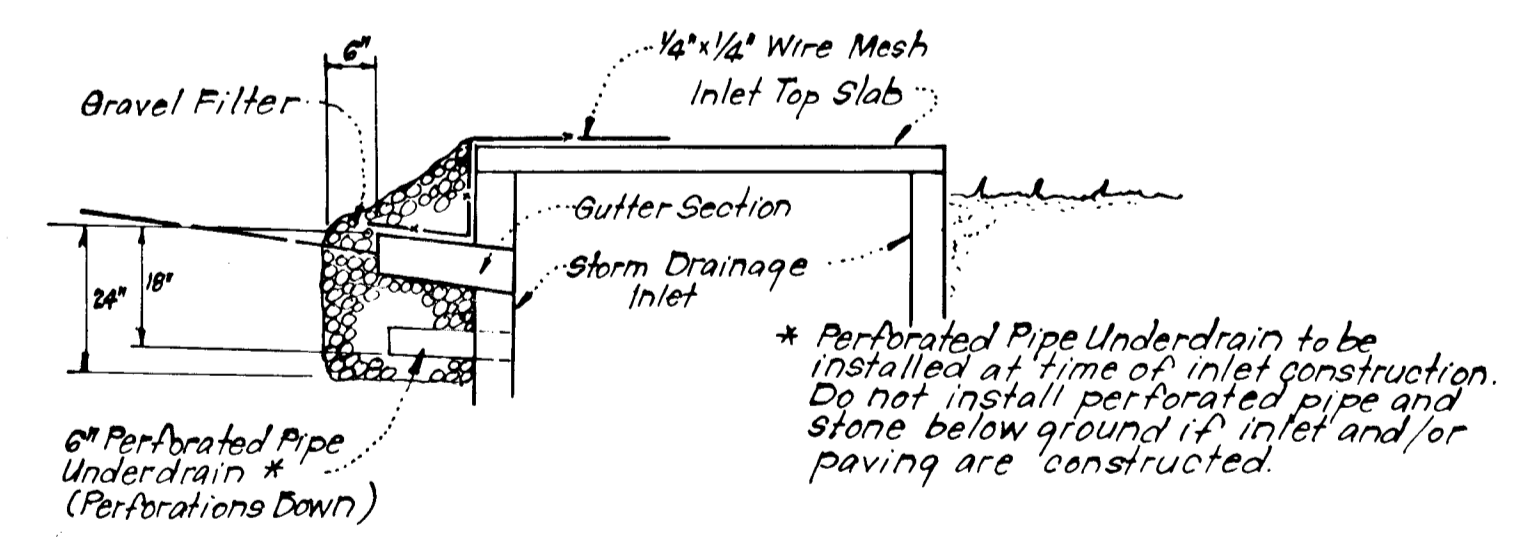
TYPICAL PERIMETER DIKE DETAIL (P.D.)
No Scale



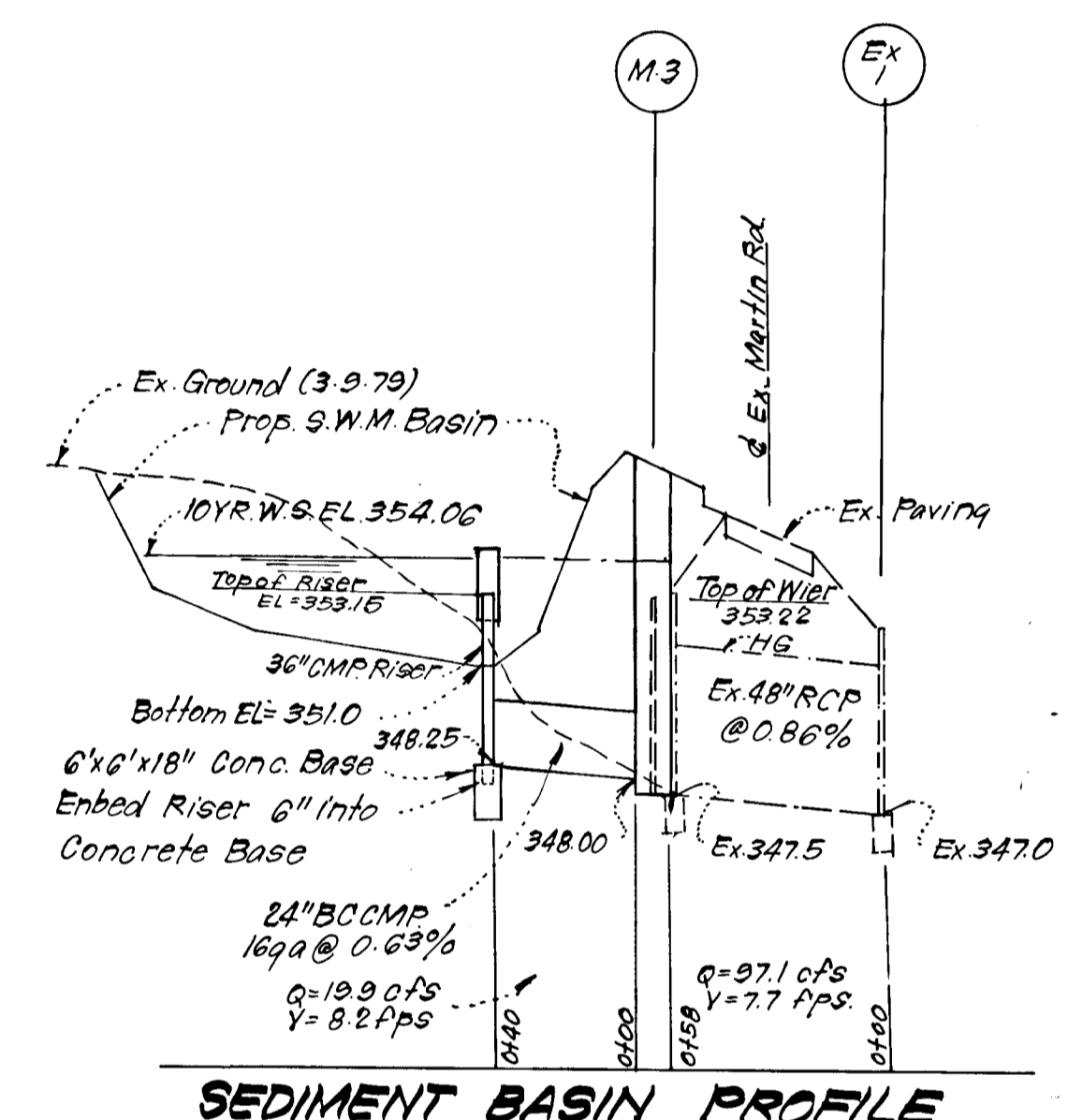
DEWATER DEVICE DETAIL
No Scale



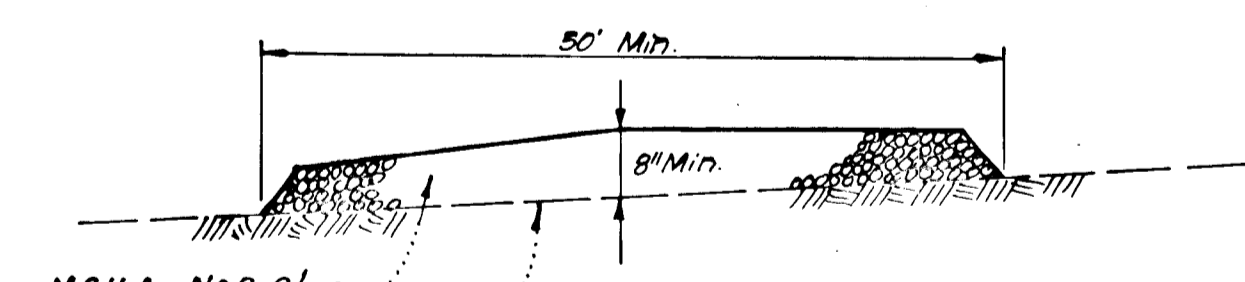
ISOMETRIC VIEW



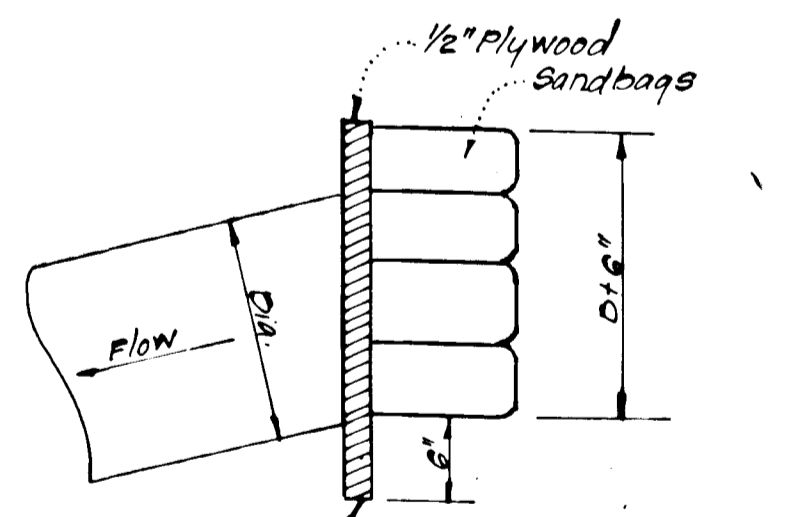
STONE FILTER INLET PROTECTION (S.F.I.P.)
No Scale



SEDIMENT BASIN PROFILE



STABILIZED CONSTRUCTION ENTRANCE
No Scale



PIPE BLOCKING DETAIL
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Reviewed for Howard S.C.D. Name
and meets Technical Requirements
James M. White 11-27-79 Date
U.S. Soil Conservation Service

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

DEVELOPER'S CERTIFICATE
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. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

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.



William J. Rose 11-27-79
Approved Date

Peter V. White 11-26-79
Signature Date

John Clark 8-29-79
Date

AS BUILT SURVEY DATED 7/27/82
SIGNED AND SEALED BY
DONALD B. SACKETT REG. NO. G059

APPROVED: Department of Public Works
W. O. Pelletier 12-3-79
Chief, Bureau of Engineering Date

APPROVED: Howard County Office of Planning and Zoning
John M. ... 11-27-79
Chief, Division of Land Development Date

CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED: D.A.B. SCALE: As Shown
DRAWN: K.I.W. DRAWING: 4 of 4
CHECKED: D.A.B. JOB NO.: 79-012
DATE: Aug. 1979 FILE NO.: 79-012D

FOR: 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
K & M DEVELOPMENT Suite 312 Teachers Building Columbia Md 21044