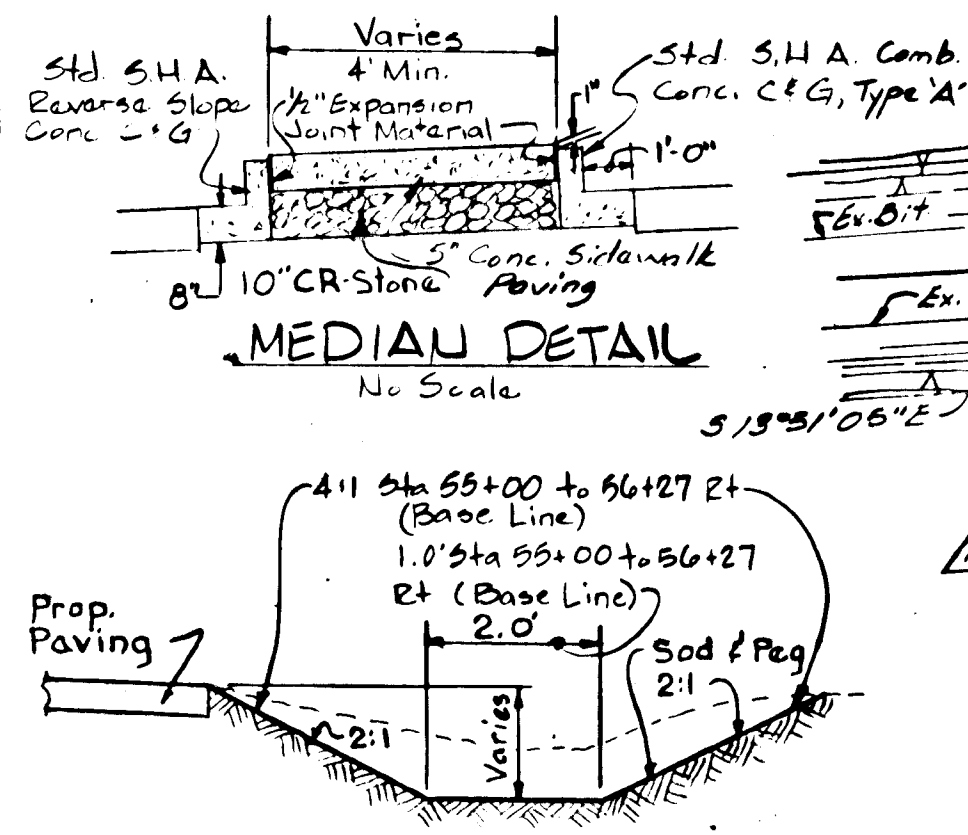






**TYPICAL PAVING DETAIL**  
DRIVEWAYS, SHOULDERS & WALKS

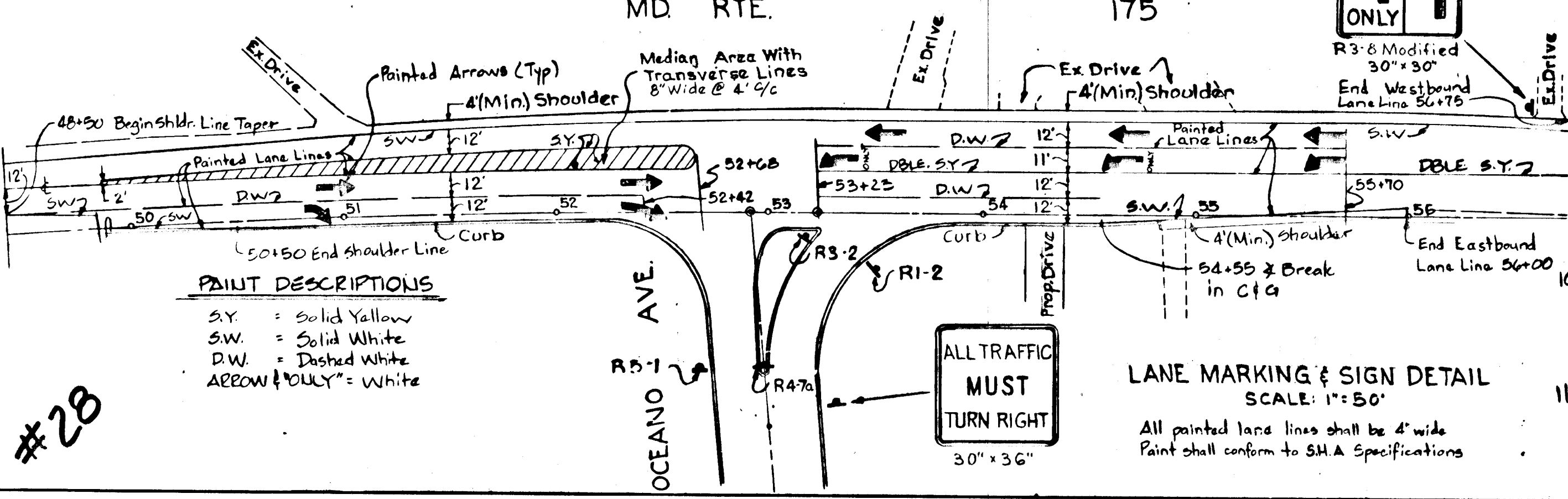


**TYPICAL SIDE DITCH DETAIL**  
NO SCALE

**WEST PAVING WIDENING DATA**

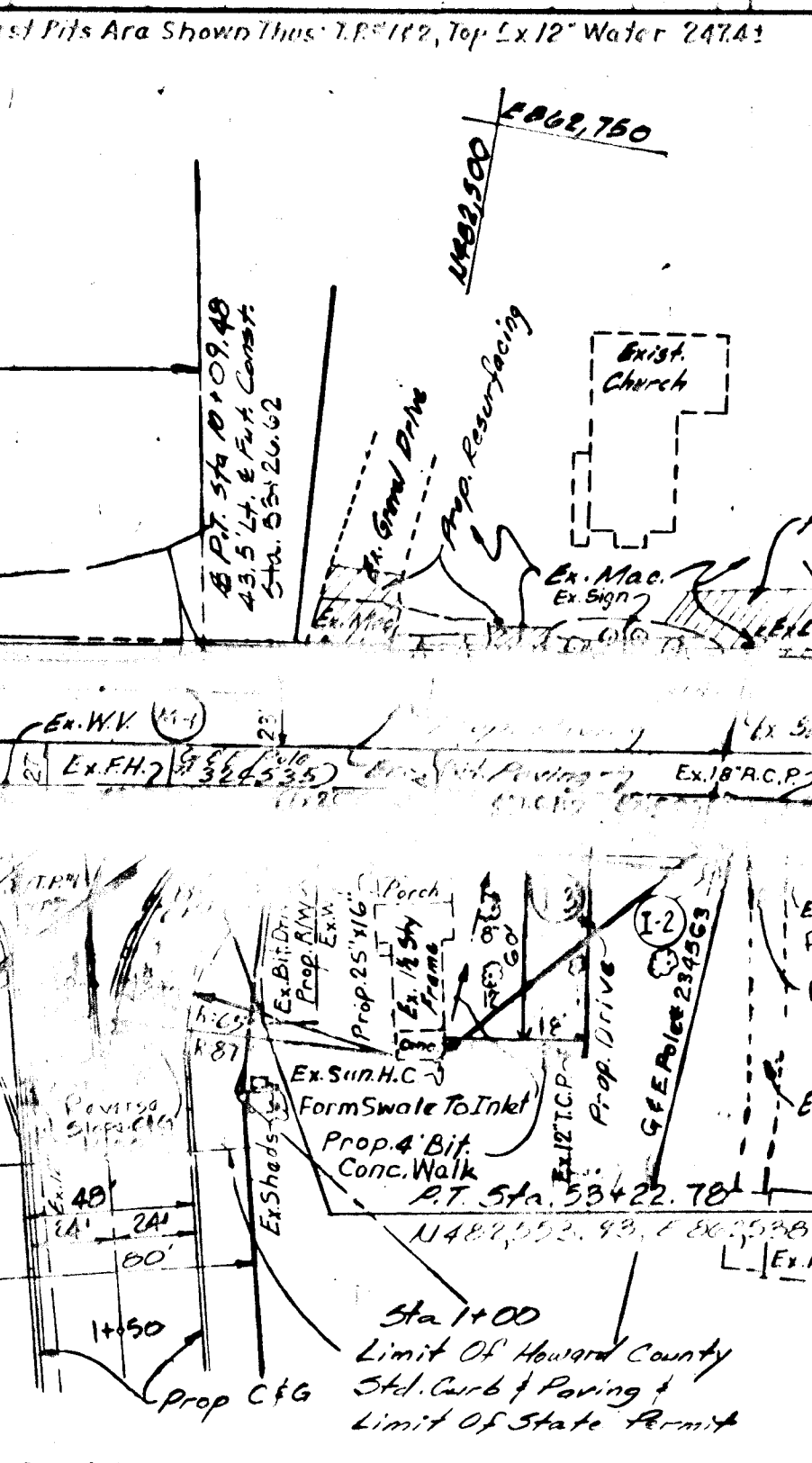
Sta. Fut. Construction	Offset	Description
48+25	5' RT ±	Begin Ditch Transition
	5.7' RT	End Ditch Transition, Begin 2' Wide Ditch
48+50	8' LT	Begin Paving Transition & Prop Shoulder, Limit of Paving West.
49+25	3.5' RT	Begin Prop. C&G, End Prop. Shoulder, End Paving Trans.
50+50	14' RT	End Prop. Ditch
54+29	3.5' RT	18" Wide Depressed Curb 1/4" Prop 18" Driveway
	63.5' RT	1/4" Prop 18" Driveway
54+55	3.5' RT	4" Prop C&G, Begin Paving Transition
54+80	2.4' RT	4" Prop C&G (Down) & Begin Prop Shoulder
54+90	3.5' RT	Exist. Drive, Adjust As Required, Begin Prop. Drive
	20' RT	End Prop. Drive
56+00 ±	2.9 ± LT	End Paving Transition (End Prop. Shoulder)
56+85 ±		Limit of Work West

**NOTE:**  
All Traffic Control Signs, Paint Striping, Etc., shall conform to the Manual on Uniform Traffic Control Devices for Streets & Highways, 1978 and subsequent Addenda. Contractor shall supply Posts and Install All Signs Indicated Hereon.  
Traffic Control Sign Posts & Signs shall conform to the following:  
A) New Sign Stock shall be 0.063" thick Anodized Sheet Aluminum Blanks, ASTM B-209 Alloy 6061-T6  
B) New Sign Posts shall be Flanged "U" shaped 4-3/8" Steel Traffic Posts with a Unit Weight of Two Pounds Per Linear Foot, Perforated on One (1) Inch Centers with a 3/8" Hole, Painted Standard Green.



**CURVE DATA**  
E. Fut. Construction (Base Line)  
Sta. 48+20.25 to Sta. 53+22.70  
R=5709.58'  
L=502.16'  
Δ=5°02'21"  
T=251.24'  
Chd=51°19'55"E  
502.00'

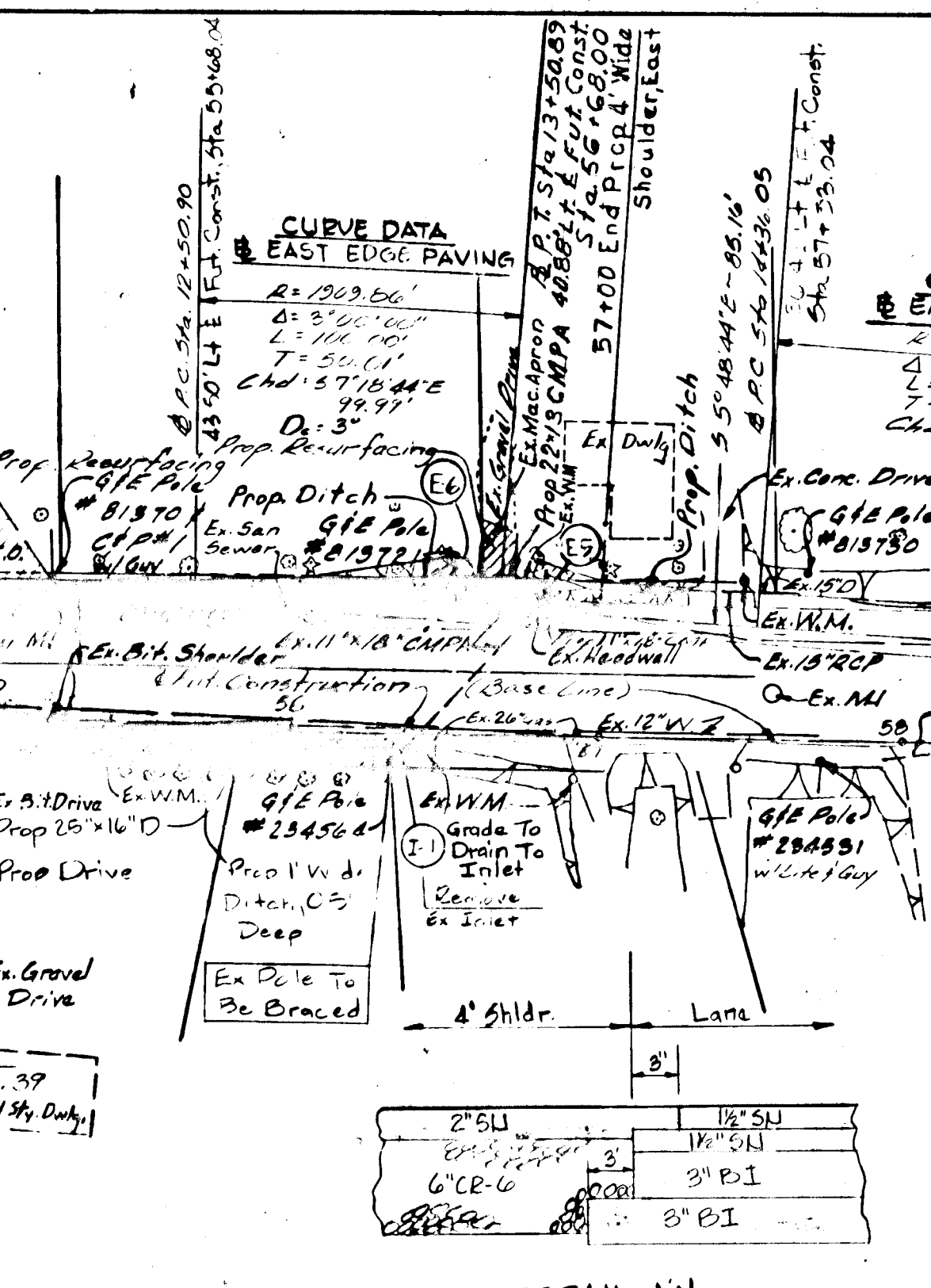
**CURVE DATA**  
E. EAST EDGE PAVING  
D=1'  
R=2064.79'  
L=251.96'  
Δ=5°02'21"  
T=126.06'  
Chd=51°19'55"E  
251.88'



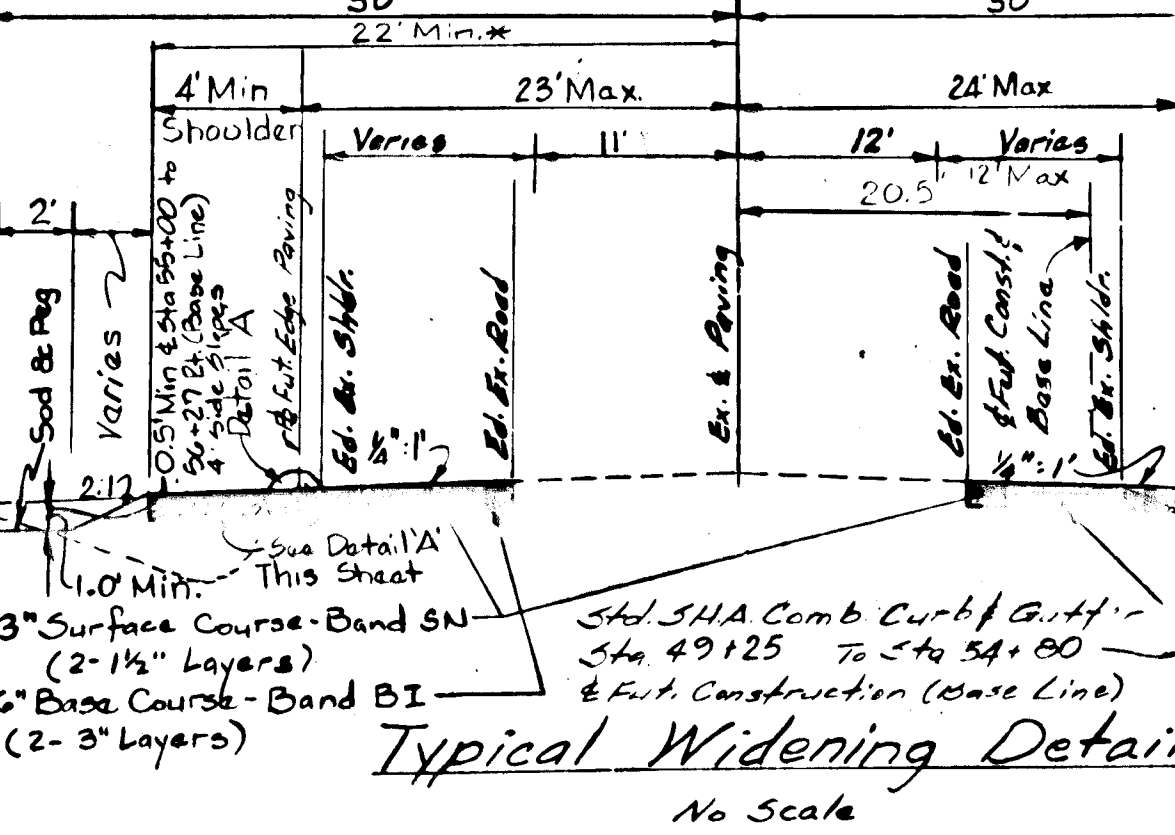
**PLAN**  
Scale: 1"=50'

- GENERAL NOTES**
- All Work shall be performed in accordance with the Special Provisions, The State Highway Administration Permit and the Current State Highway Administration's Specifications for Materials, Highways, Bridges and Incidental Structures.
  - Any Existing Trees, Shrubs, Hedges, Etc. Beyond the Indicated Limits of Construction shall be Protected From Damage or Relocated/Replaced, in Kind, at Contractors Expense.
  - All Disturbed Areas Not Paved, Between Sta. 53+45 ± & 57+50 ± and All Side Ditches shall be Stabilized with Sod/Peg as Required.
  - 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.
  - Contractor to Notify the Howard County Construction, Inspection/Survey Division 3 Days Before Starting Work Shown on these Drawings, Telephone No. 992-2417.
  - All Disturbed Areas, Not Paved, Other Than Covered by Note 3, shall be Stabilized with 2" Topsoil, Seed & Mulch.
  - All Corrugated Metal Pipe is to be 16 Gauge, 100% Coated and 40% Paved.
  - Contractor to Verify Existing and Proposed Elevations to His Satisfaction Prior to Commencing Work.
  - Contractor shall Notify the Following Utilities or Agencies at Least Five (5) Days Before Starting Work Shown on these Plans:  
Miss Utility (Collect): 1-559-0100  
Baltimore Gas & Electric Co. - underground Electric Distribution Engineering "Damage Control", Mr. G.J. Zeller, Managers: 234-5591  
Baltimore Gas & Electric Co. - underground Gas Distribution Engineering, Mr. Ball: 234-5599  
Chesapeake & Potomac Telephone Co.: 725-9976

- Clear All Utilities by a Minimum of 6". Clear All Poles 2'0" Minimum or Tunnel as Required. Cost for Tunneling or Bracing at Poles shall be Included in the Unit Prices Bid for Excavation and Backfill of Storm Drains.
- S.H.A. Signs Disturbed by Construction Under this Contract shall be Removed & Stored by the Contractor. Cost to be Included in the Cost of other Items Bid.



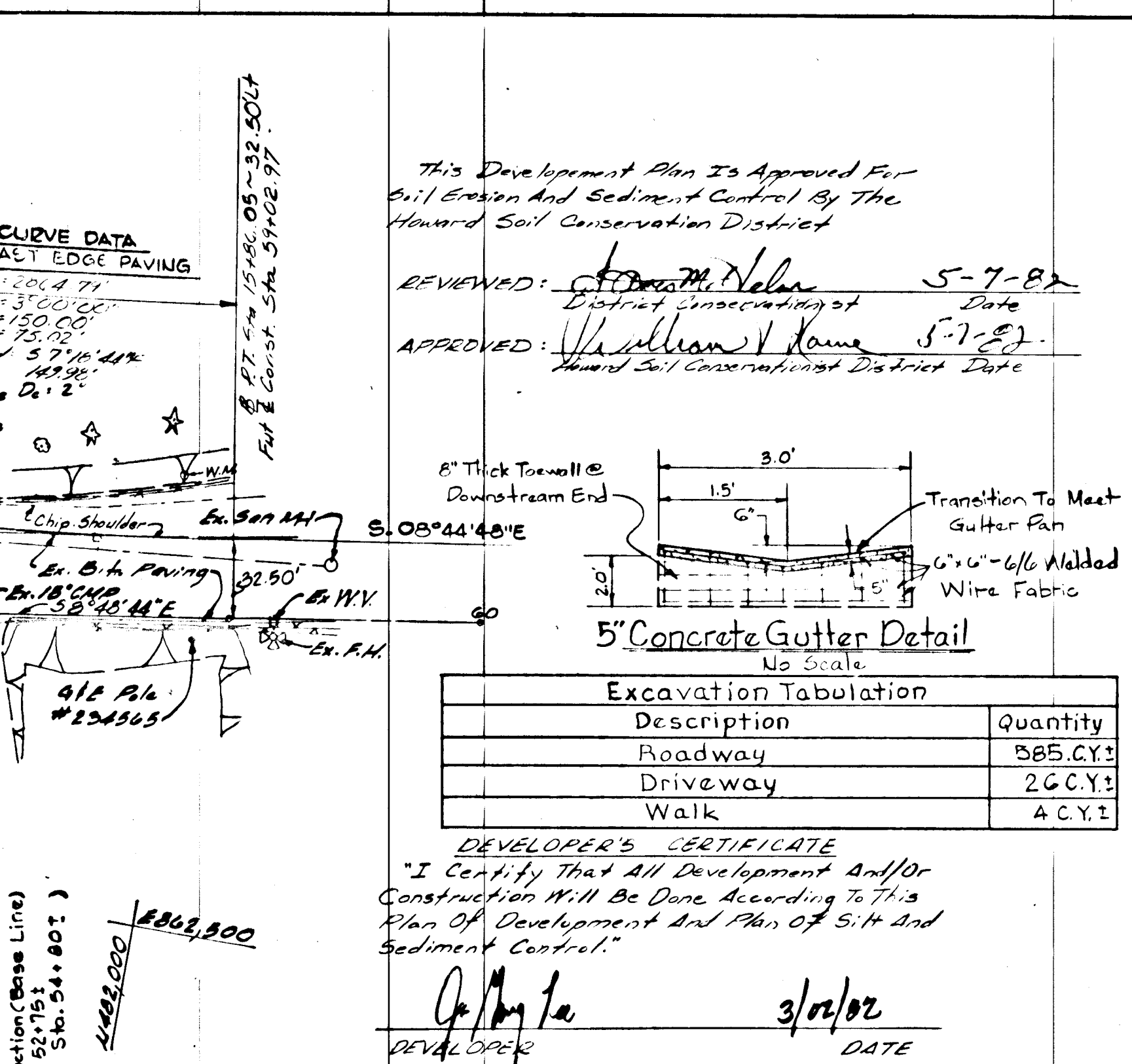
**DETAIL 'A'**  
No Scale



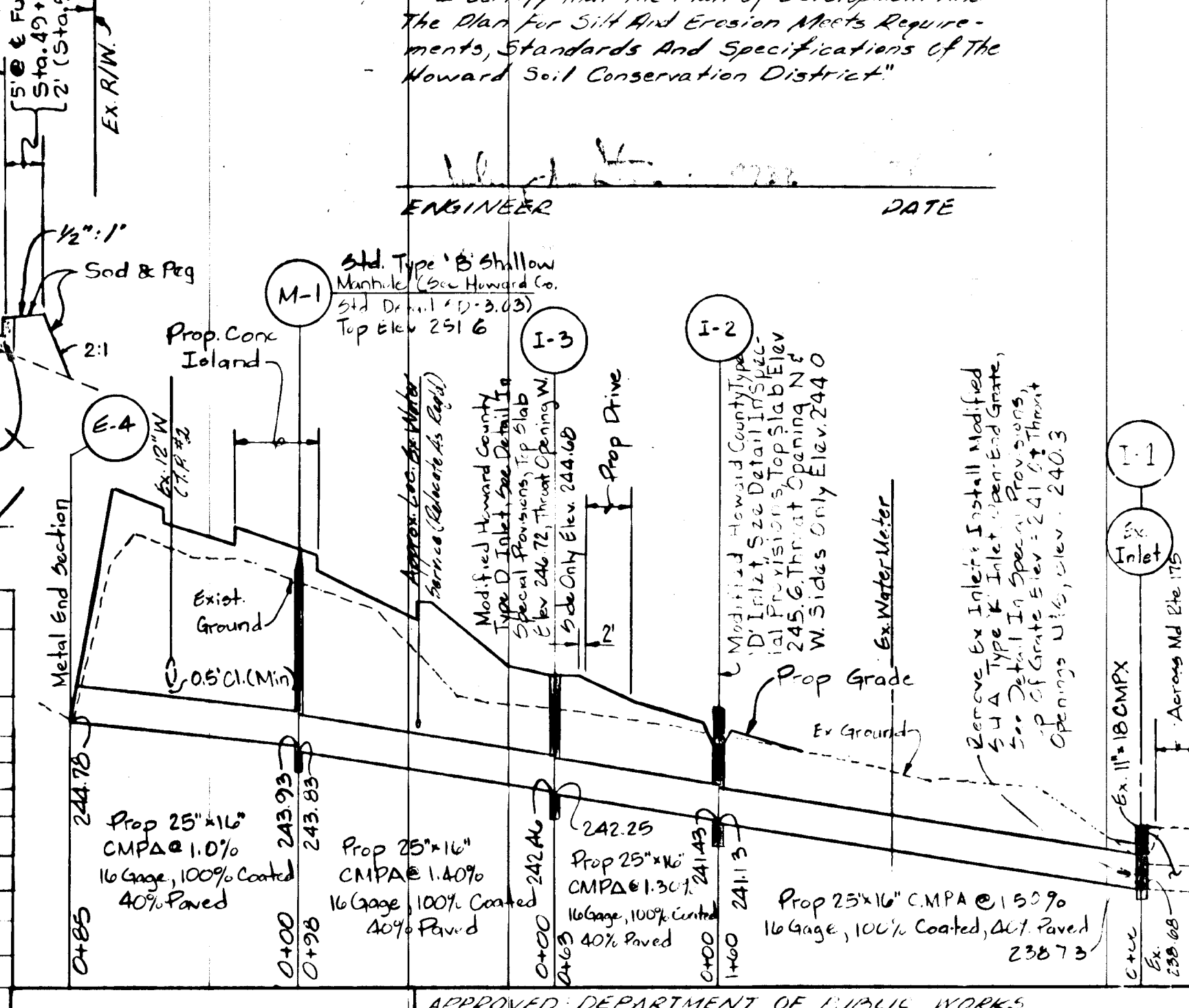
**Typical Widening Detail**  
No Scale

**SIDE DITCH & STORM DRAIN LOCATION DATA**

Sta. & Fut. Const. (Base Line)	Offset	Invert	Description
52+45 ±	62' RT	52.1	E-A, Metal End Section
53+13 ±	12' RT	52.7	I-1
54+11 ±	16' RT		I-3
54+74 ±	14' RT	52.7	I-2
55+00	9' RT		Begin 1' Wide Ditch
55+50	6.5' RT		1' Wide Ditch
56+00	5.5' RT		E & E 1' Wide Ditch, Begin Transition to I-1
56+35 ±	6' RT	See Profile	I-1
56+50	43' LT	242.1	Begin Ditch Transition & Ex. Ditch
56+00	50.5' LT	240.4	End Ditch Transition & Begin 2' Wide Ditch
56+50	56.5' LT	237.9	E & E 2' Wide Ditch & E-6 Metal End Section & Begin 22" x 15" CMPA
56+52	45' LT		Remove Ex. Hdwl. & Begin Removal 12" x 18" CMPA
56+77	42' LT		Remove Ex. Hdwl. End Removal 12" x 18" CMPA
56+77	41' LT	3st Grade In Field	Extend 12" x 18" CMPA Front to 12" x 15" 175' Prop Ditch
56+82 ±	50.5' LT	237.69	End 22" x 15" CMPA & End Extension of 12" x 18" CMPA & E-6 (S.H.A. Type E Endwall) 32" x 15" 175' Prop Ditch
57+29 ±	40' LT	237.43 ±	End 22" x 15" CMPA & E-6 (S.H.A. Type E Endwall) 32" x 15" 175' Prop Ditch



**DETAIL 'A'**  
No Scale



**EXCAVATION TABULATION**

Description	Quantity
Roadway	585 C.Y.
Driveway	26 C.Y.
Walk	4 C.Y.

**DEVELOPER'S CERTIFICATE**  
"I Certify that All Development and/or Construction will be Done According to this Plan of Development and Plan of Site and Sediment Control."  
Developer: [Signature] DATE: 3/1/02

**ENGINEER'S CERTIFICATE**  
"I Certify that the Plan of Development and the Plan for Soil and Erosion Control Requirements, Standards and Specifications of the Howard Soil Conservation District."  
Engineer: [Signature] DATE: [Blank]

**APPROVED DEPARTMENT OF PUBLIC WORKS**  
[Signature] 7-8-82  
CHIEF BUREAU OF ENGINEERING  
APPROVED: OFFICE OF PLANNING AND ZONING  
[Signature] 7-6-82  
CHIEF DIVISION OF LAND USE, PLANNING AND ZONING ADMINISTRATION

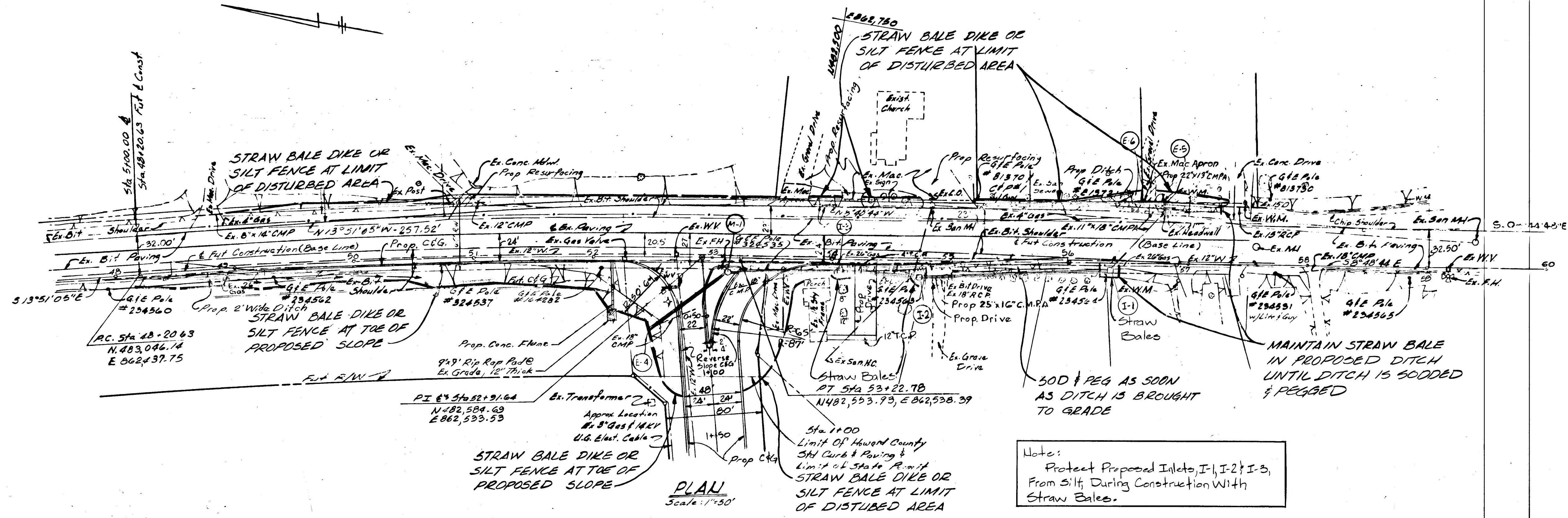
**OWNER & DEVELOPER**  
Maryland Food Center Authority  
201 W. Preston St.  
Baltimore, Md. 21201

**PLAN AND DETAILS**  
MD. RTE. 175  
@ OCEANO AVE.  
MARYLAND WHOLESALE FOOD CENTER  
Howard County, Maryland Election District #6  
Scale: As Shown  
May 24, 1982  
Sheet 2 of 4  
CONTRACT: F.C. 82-1









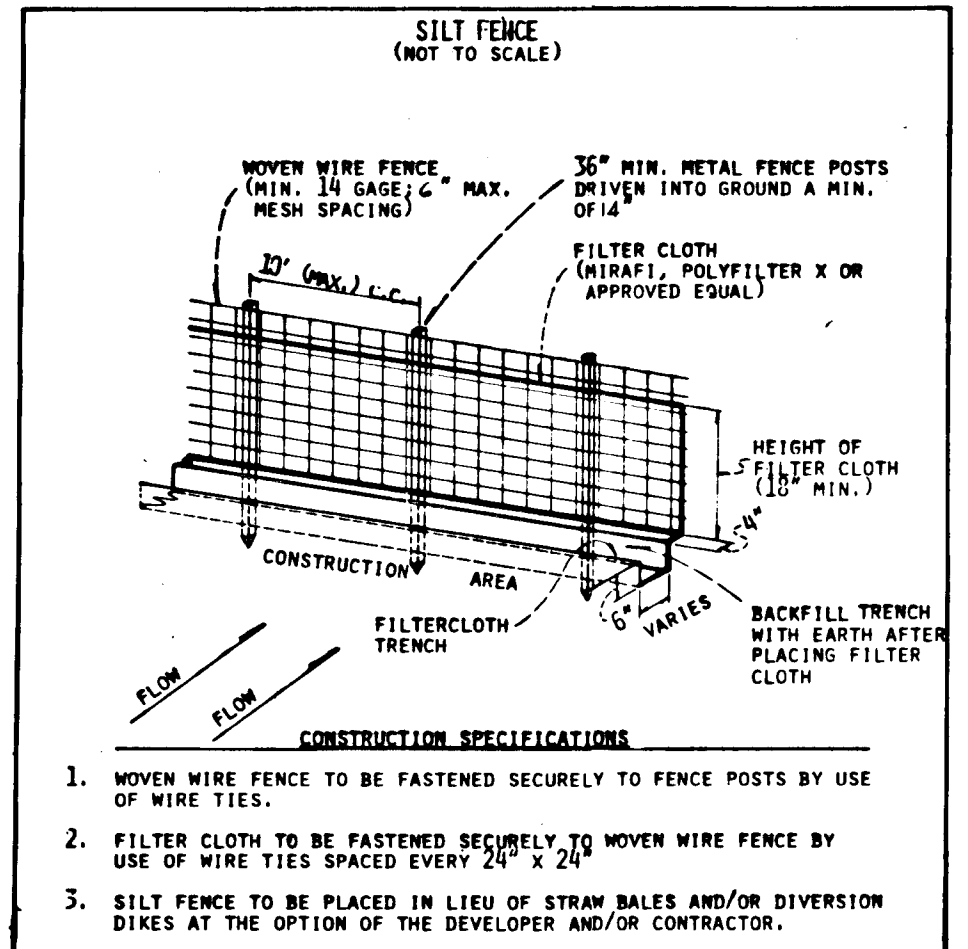
**PLAN**  
Scale: 1"=50'

**Notes:**  
Protect Proposed Inlets I-1, I-2 & I-3 From Silt During Construction With Straw Bales.

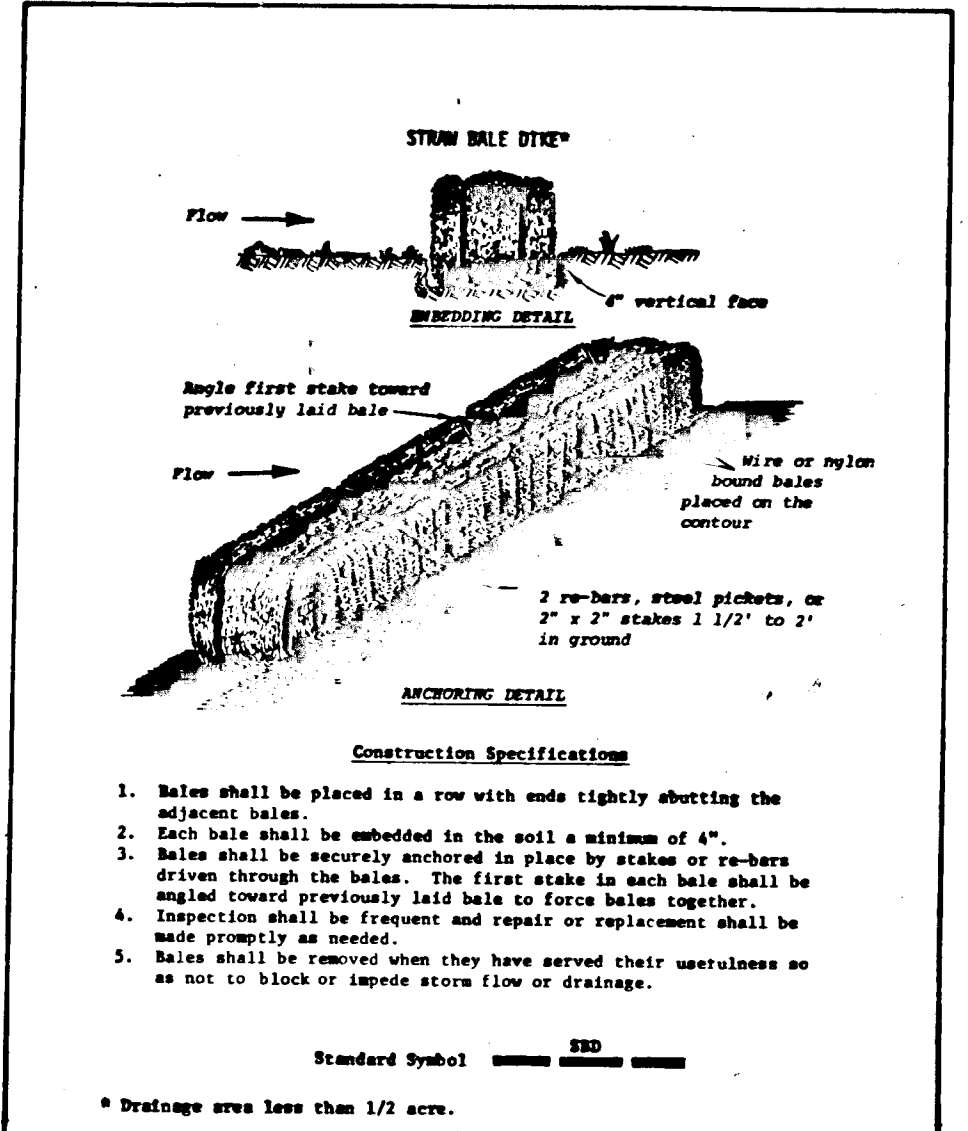
**GENERAL NOTES**

- Any change to the grading proposed on this plan requires it to be resubmitted to the Soil Conservation District.
- Disturbed areas not intended to be paved, or sodded, shall be stabilized with permanent seeding. (See Note No. 8)
- Any damage to sediment control devices shall be repaired immediately.
- No sediment control measure is to be removed without prior permission from the Sediment Control Inspector.
- During the layout of sediment control practices shown hereon, minor adjustments can and will be made to assure the arrest and control of any sediment before it leaves the construction site. These said changes require prior approval from the Sediment Control Inspector and the Soil Conservation District.
- All work under this contract is to be done in accordance with "Standards and Specifications For Soil Erosion and Sediment Control in Developing Area", July 1975, and this plan of sediment control approved by the Howard Soil Conservation District, and the Howard County Department of Public Works.
- At the end of each working day, all sediment control measures will be inspected and left in operational condition.
- All disturbed areas shall be stabilized as follows:  
**PERMANENT SEEDING NOTES:**  
 Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding. Use 2" of topsoil.  
 Soil Amendments: Apply 2 tons per acre dolomitic limestone (92 lbs./1,000 sq. ft.) and 600 lbs. per acre 0-20-20 fertilizer (14 lbs./1,000 sq. ft.). Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (9.2 lbs./1,000 sq. ft.) of 38-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1,000 sq. ft.) of 10-20-20 fertilizer.  
 Seeding: For the periods March 1 through April 30, and August 1 through October 15, seed with 60 lbs. per acre (1.4 lbs./1,000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1,000 sq. ft.) of weeping lovegrass. During the period of October 16 through February 28 protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use Sod. Option (3) seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.  
 Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs./1,000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons/1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gallons/1,000 sq. ft.) for anchoring.  
 Maintenance: Inspect all seeded areas and make needed repairs, replacements, and reseedings.  
**SODDING NOTES:**  
 Sod Specification: Sod shall be K-31 sod which has not been cut and rolled more than 2 days in advance; all sod shall be fastened securely with at least 2 stakes not more than 2 feet apart with the flat side against the slope and stake flush with top of sod; lime and fertilize sod bed as specified in Note No. 9.

- NOTES**
- All disturbed areas, not paved, between Sta 53+45± & 57+50± and all side ditches shall be stabilized with sod. (Peg as required)
  - All disturbed areas, not paved or covered by note 1, shall be stabilized with 2" topsoil, seed & mulch.



- CONSTRUCTION SPECIFICATIONS**
- MOVING WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO MOVING WIRE FENCE BY USE OF WIRE TIES SPACED EVERY 24" x 24"
  - SILT FENCE TO BE PLACED IN LIEU OF STRAW BALES AND/OR DIVERSION DIKES AT THE OPTION OF THE DEVELOPER AND/OR CONTRACTOR.



- Construction Specifications**
- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
  - Each bale shall be embedded in the soil a minimum of 4".
  - Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bales to force bales together.
  - Inspection shall be frequent and repair or replacement shall be made promptly as needed.
  - Bales shall be removed when they have served their usefulness as do not to block or impede across flow or drainage.

- SEQUENCE OF OPERATIONS**
- Notify Howard County Sediment Control District 48 Hours Prior To Commencing Any Work Under This Contract
  - Clear & Grub for Sediment Control Devices Shown Hereon.
  - Install Sediment Control Devices Shown Hereon.
  - Commence Grading & Roadway Construction.
  - Adjust Sediment Control Devices As Required to Prevent Silt or Silt Laden Waters From Leaving Construction Site.
  - Stabilize Disturbed Areas, Not To Be Paved, or Sodded, with 2" Topsoil, Seed & Mulch.
  - After A Substantial Vegetative Cover Is Established Notify Sediment Control Inspector For Final Inspection & Approval.
  - Remove Sediment Control Devices.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
 SIGNATURE: *John J. Stamm* DATE: 6-22-82  
 U.S. SOIL CONSERVATION DISTRICT

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED: *William J. Rowe* DATE: 6-22-82  
 HOWARD S.C.D.

CERTIFICATION BY THE DEVELOPER  
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR EROSION & SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.  
 SIGNATURE: *John J. Stamm* DATE: 3/2/82

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.  
 SIGNATURE: *John J. Stamm* REG. NO. 4732 DATE: 3/2/82



APPROVED: DEPARTMENT OF PUBLIC WORKS  
 SIGNATURE: *William J. Rowe* DATE: 7-8-82  
 CHIEF, BUREAU OF ENGINEERING  
 APPROVED: OFFICE OF PLANNING AND ZONING  
 SIGNATURE: *William J. Rowe* DATE: 6-22-82  
 CHIEF, DIVISION OF LAND DEVELOPMENT, PLANNING AND ZONING  
**EROSION AND SEDIMENT CONTROL PLAN**  
 MD. RTE. 175 @ OCEANO AVE.  
 MARYLAND WHOLESALE FOOD CENTER  
 OWNER & DEVELOPER: Maryland Food Center Authority, 201 W. Preston St, Baltimore, Md. 21201  
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT #6  
 Scale: As Shown DATE: May 24, 1982  
 Sheet 4 of 4  
 CONTRACT: F.C. 82-1

#28