

BEARINGS AND COORDINATES AS SHOWN HEREON ARE BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM AS ADOPTED BY HOWARD COUNTY AS REFERENCE FROM TRAVERSE STATIONS No. 2043004 N47153.0710 E057.445252 EL 230.77 No. 2044000 N471602.20.101 E057.000300 EL 20.767

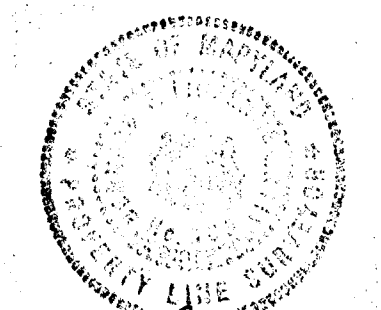
**LEGEND**

EXISTING CONTOURS	---
PROPOSED CONTOURS	---
EXISTING DRAINAGE AREA	.....
PROPOSED DRAINAGE AREA	o o o o o
INLET PROTECTION	--- ---
DIKE	--- ---
SILT FENCE	--- ---
LIMIT OF DISTURBANCE	---
MOUNTABLE BERM	--- ---
DIVERSION DIKE	--- ---

**HORIZONTAL & VERTICAL CONTROL**  
 HOWARD COUNTY TRAVERSE POINTS  
 No. 2043004 & No. 2044006

AS-BUILT INFORMATION SHOWN  
 THUSLY

**ROAD AS-BUILT**



*Benjamin L. Thaler* 6/20/91  
 D.S. THALER & ASSOC. INC.

**STONE OUTLET TRAP**

DRAINAGE AREA  
 EXISTING DA = 1.08 AC  
 PROPOSED DA = 1.05 AC  
 VOLUME  
 STORAGE REQUIRED = 1.08 x 67 CY = 72.36 CY  
 STORAGE PROVIDED = 751 CY OR 2028 CF  
 BOTTOM DIMENSIONS = 10' x 34'  
 BOTTOM ELEVATIONS = 167.5'  
 CREST ELEVATION = 171.5'  
 CLEANOUT ELEVATION = 168.5'  
 OUTLET LENGTH = 1.08 x 4 = 4.32 (LAFS)  
 SIDE SLOPE = 2:1  
 TOP OF EMBANKMENT ELEVATION = 172.5'  
 d = 3.0'

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Stephen L. Thaler* 3/8/89  
 Approved: \_\_\_\_\_ Date \_\_\_\_\_  
 Howard S.C.D.

Reviewed for HOWARD S.C.D. Name \_\_\_\_\_ and meets Technical Requirements Date 3-8-89 Signature \_\_\_\_\_ U.S. Soil Conservation Service

- General Notes**
1. Tax Map: 48 Parcel: 109
  2. Deed Reference: 666/543
  3. Patuxent Range Road Sta. 9+94.08 to Sta. 15+57.95
  4. Design Speed: 35 mph.
  5. Paving section: P-3
  6. Existing zoning: M-2
  7. Area of Proposed R/W: 0.915 ac. or 39857 sq. ft.
  8. All construction and materials shall be in accordance with the Howard County Road Construction Code and Specifications.
  9. Utilities to be utilized:  
 Water - Public  
 Sewer - Public
  10. Patuxent Range Drive, Public Road
  11. Any damage to a county owned Right of Way shall be corrected at developers expense.
  12. Contractor to verify location of all underground utilities prior to beginning work.
  13. Contractor to notify Miss Utility at 1-559-0100 at least five (5) days prior to beginning construction.
  14. The contractor or developer shall contact the construction inspections Division of Howard County at 792-7272 at least 24 hours prior to starting construction.
  15. Boundary shown hereon was supplied by owner and is based on a topographic survey prepared by STV/Lyon Associates, in February 1987.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*William J. ...* 3/31/89  
 CHIEF, LAND DEVELOPMENT DIV. DATE  
*Francis W. ...* 3/31/89  
 CHIEF, BUREAU OF HIGHWAY DATE  
*William B. ...* 3-31-89  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: OFFICE OF PLANNING AND ZONING.  
*Thomas J. ...* 3-8-89  
 Chief, Division of Community Planning and Land Development DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*Stephen L. Thaler* 3-8-89  
 SIGNATURE DATE  
 U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.  
 APPROVED: *Stephen L. Thaler* 3/8/89  
 Howard S.C.D. DATE

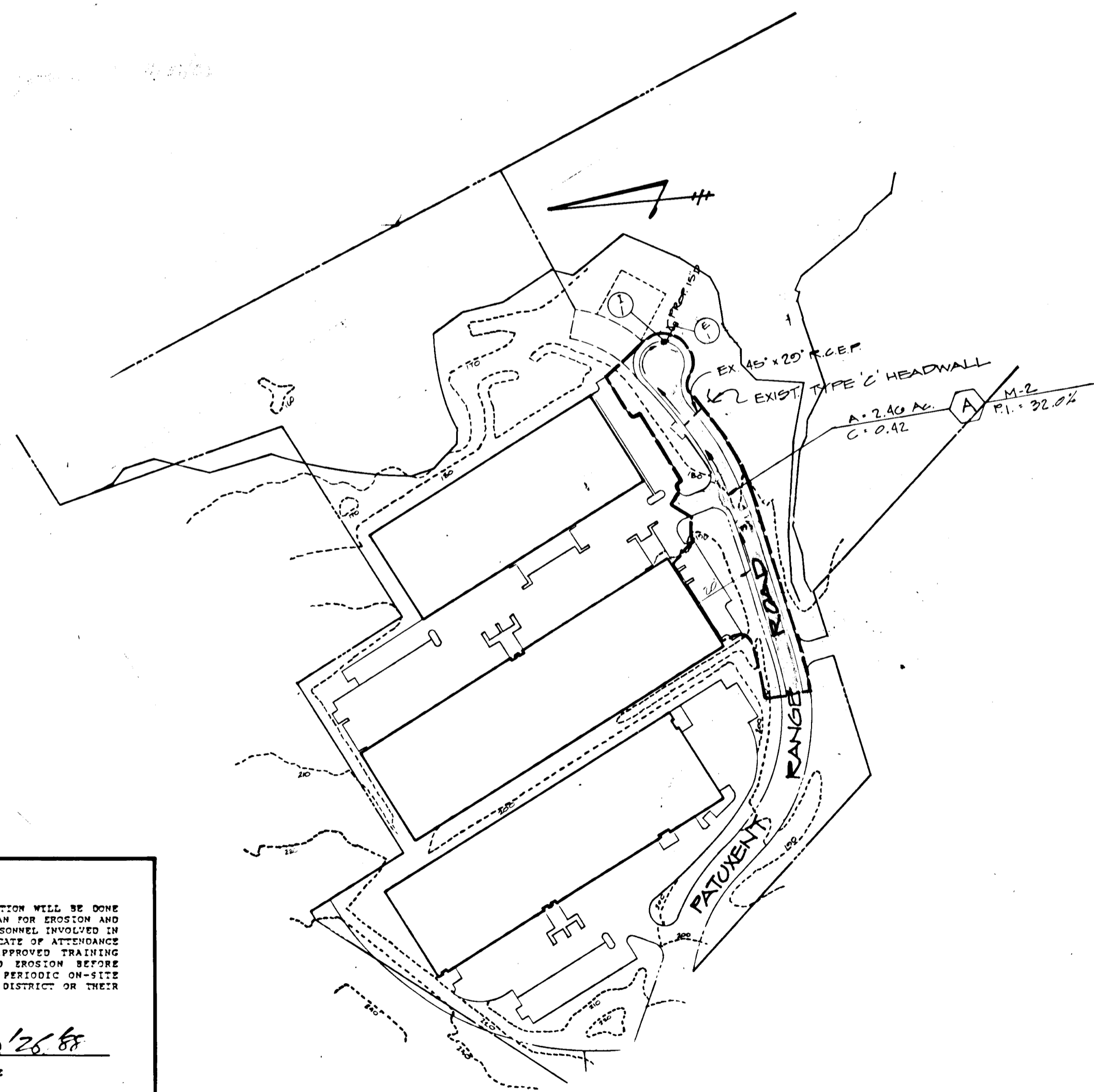
<p><b>ENGINEER'S CERTIFICATION</b></p> <p>I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>Benjamin L. Thaler</i> 2/28/89        ENGINEER DATE</p>	<p><b>DEVELOPER'S CERTIFICATION</b></p> <p>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 THE DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.</p> <p><i>Benjamin L. Thaler</i> 3/8/89        DEVELOPER DATE</p>	<p><b>TITLE:</b> GRADING &amp; SEDIMENT CONTROL PLAN  <b>PROJECT:</b> PATUXENT RANGE ROAD  <b>O.P.&amp;Z. FILE NOS.:</b>  <b>TAX MAP, BLOCK, PARCEL:</b> 100  <b>6<sup>TH</sup> ELECTION DISTRICT:</b> HOWARD COUNTY, MD.  <b>DES. BY:</b> R.L.R. <b>DRAWN BY:</b> G.A.B. <b>CHKD. BY:</b> T.H.M. <b>DATE:</b> NOV. 89  <b>CIVIL ENGINEERS - SITE PLANNERS SURVEYORS</b>  <b>D.S. Thaler &amp; Assoc. Inc.</b>      11 WARREN ROAD      BALTIMORE, MD. 21.      15011 484-4100      SCALE: 1" = 50' SHEET 1 OF 4</p>
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STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
E-1	A-10	174.60	174.33	174.33	(174.60)
E-1	C-HW	-	170.27	172.33	

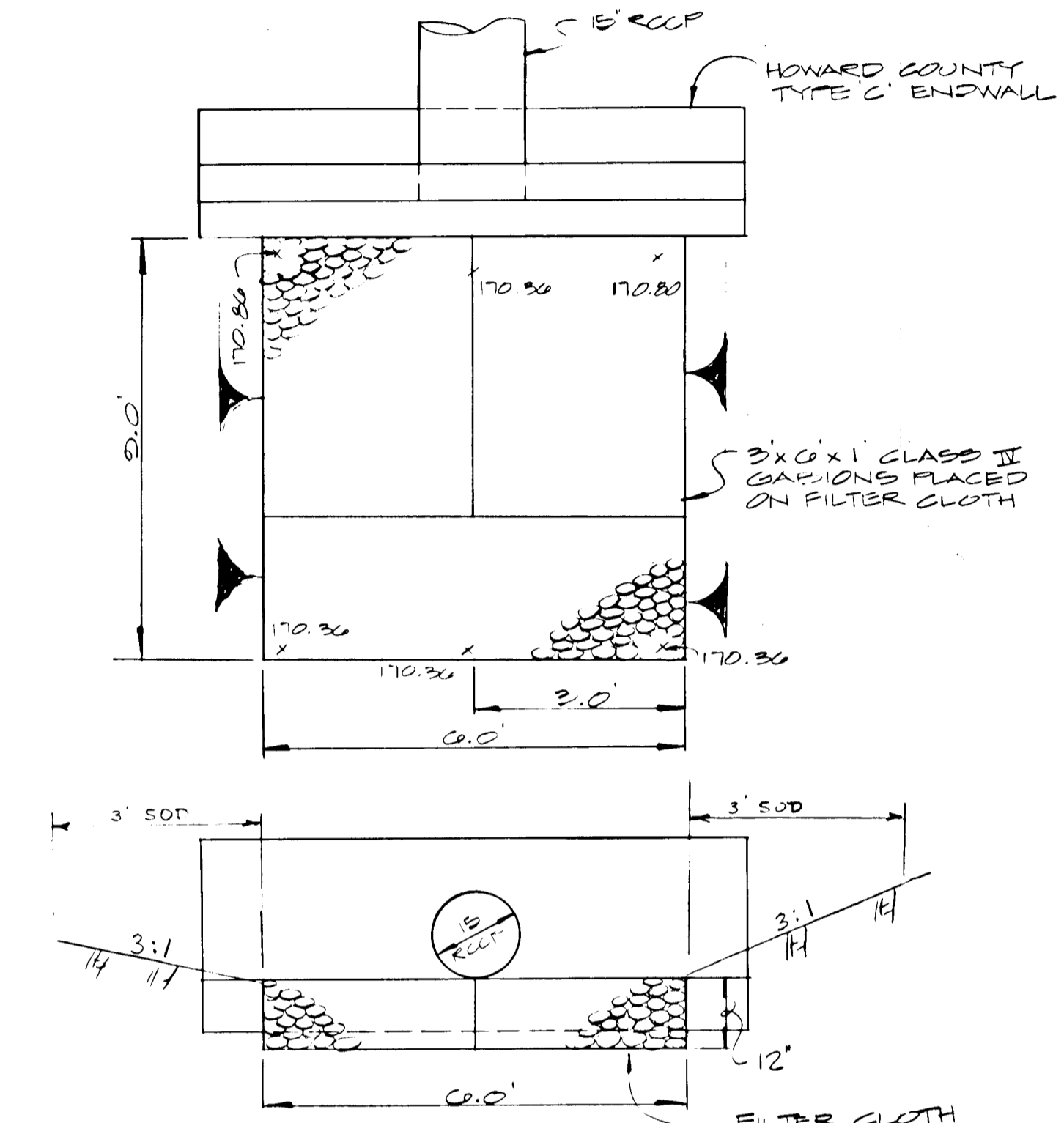
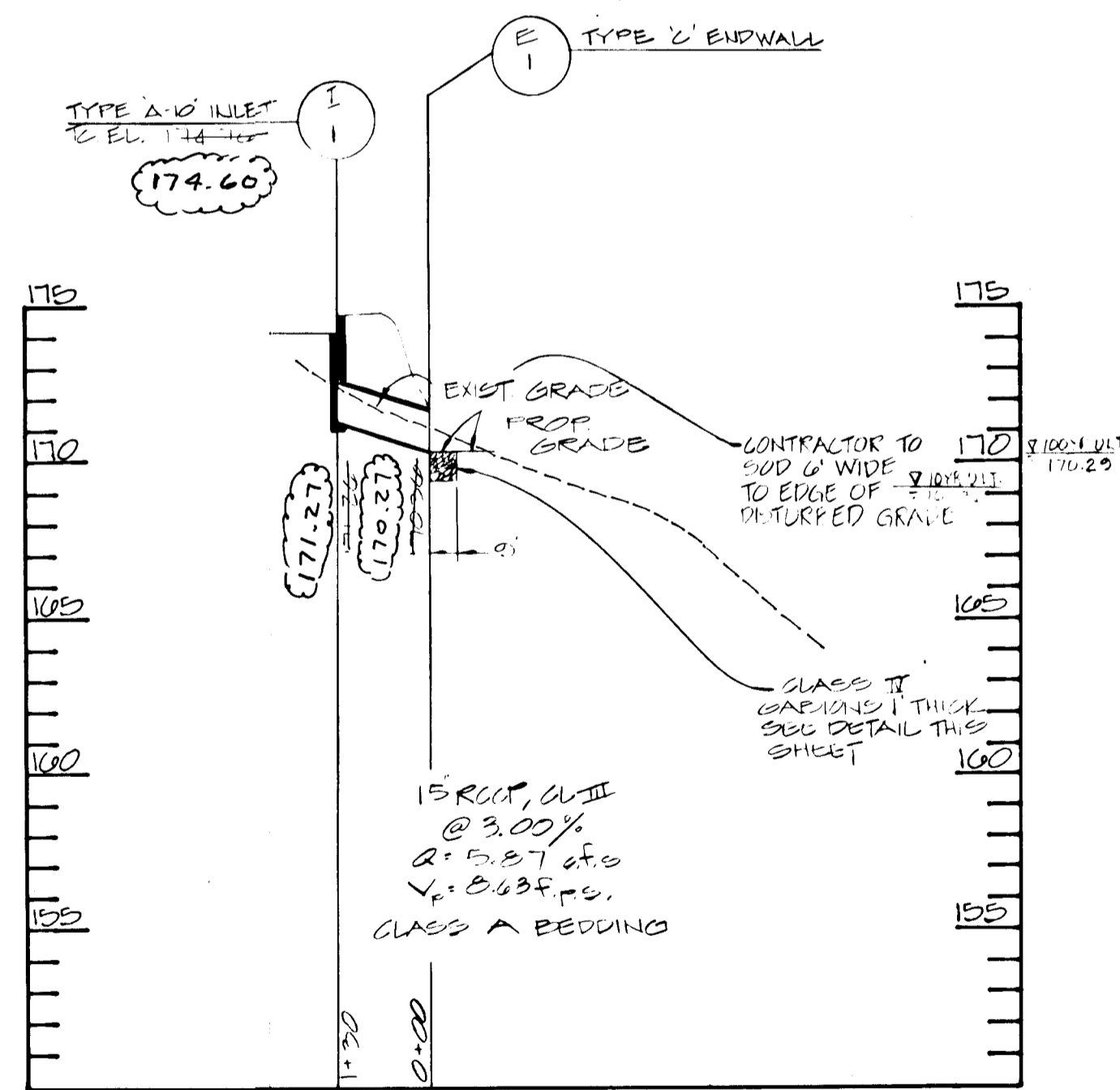
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
 COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
*Frank J. Prangle* 4/2/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF, LAND DEVELOPMENT DIV. \_\_\_\_\_ DATE 3/31/89  
*James M. McCallister* 3/31/89  
 CHIEF, BUREAU OF HIGHWAYS \_\_\_\_\_ DATE \_\_\_\_\_  
*James M. McCallister* 3/31/89  
 CHIEF, BUREAU OF ENGINEERING \_\_\_\_\_ DATE \_\_\_\_\_



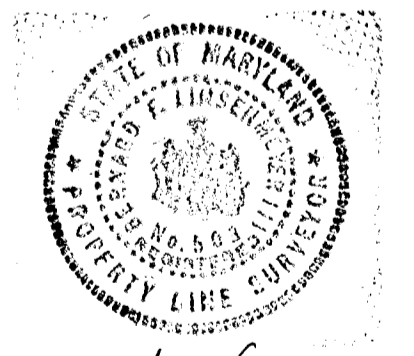
NOTE  
 STORMWATER MANAGEMENT SHALL BE PROVIDED AT THE SITE PLAN SUBMISSION.



OUTFALL DETAIL  
 NO SCALE

AS-BUILT INFORMATION SHOWN THUSLY 529.10

ROAD AS-BUILT



*Ronald J. Finney* 4/20/91  
 D.S. THALER & ASSOC. INC.

DEVELOPER'S CERTIFICATION  
 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 THE DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

*Frank J. Prangle* 10/26/88  
 DEVELOPER DATE

ENGINEER'S CERTIFICATE  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*James M. McCallister* 2/28/89  
 ENGINEER DATE

DRAINAGE AREA MAP  
 SCALE: 1" = 200'

OWNER/DEVELOPER  
 DORSEY RUN INDUSTRIAL PARK LIMITED PARTNERSHIP  
 ARUNDEL BUILDING, SUITE 203  
 110 WEST ROAD  
 BALTIMORE, MARYLAND 21204

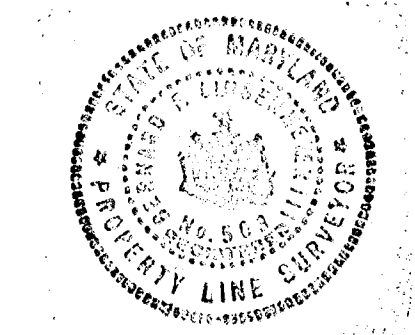
DATE	DESCRIPTION	BY

TITLE: STORM DRAIN CONSTRUCTION PLAN  
 DRAIN. AREA MAP & PROFILES  
 PROJECT: PATLIXENT RANGE ROAD  
 O.P. & Z. FILE NOS.:  
 TAX MAP 46, BLOCK: , PARCEL: 100  
 G. MELECTION DISTRICT: HOWARD COUNTY, MD.  
 DES. BY: M.L.T. DRAWN BY: M.L.T. CHD. BY: T.H.M. DATE: NOV. 1988

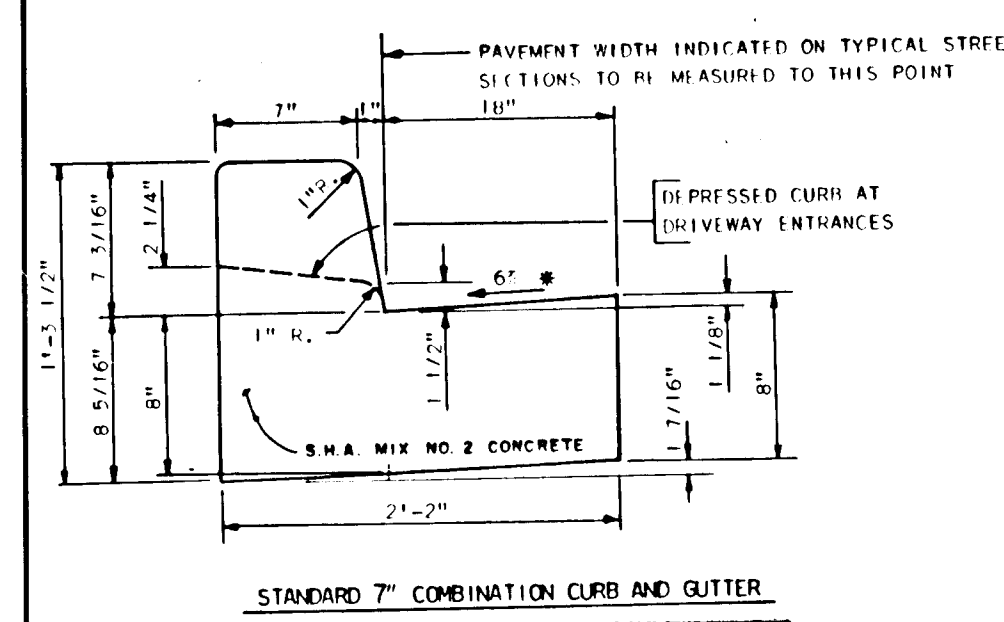
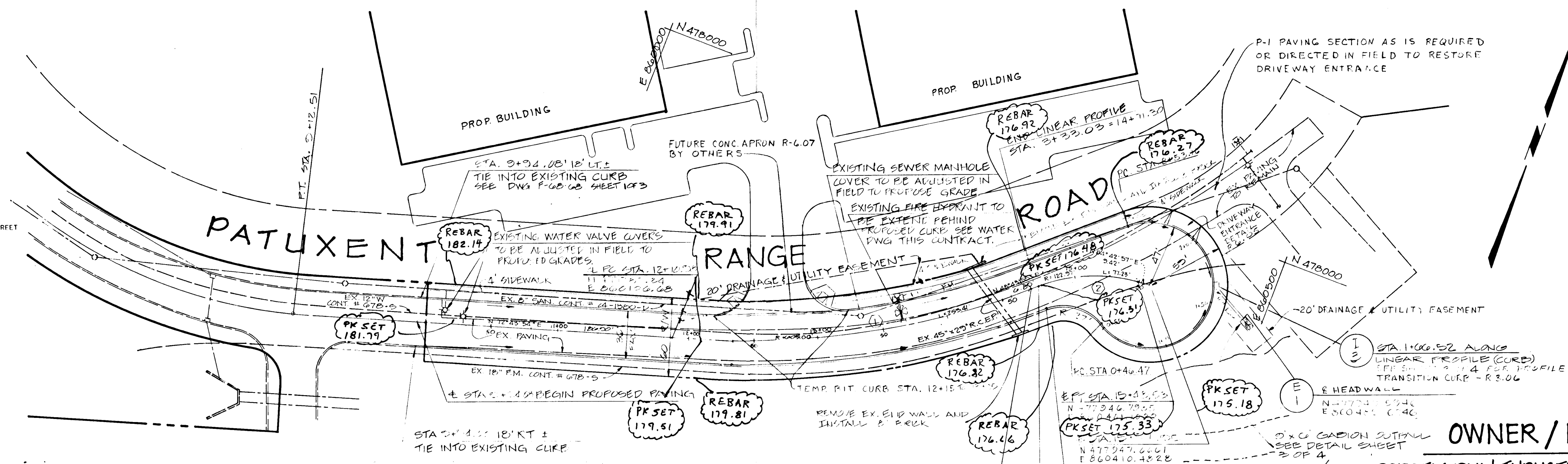
CIVIL ENGINEERS - SITE PLANNERS SURVEYORS  
**DST&A** Inc.  
 11 WARREN ROAD  
 BALTIMORE, MD. 21.  
 (301) 484-4100  
 SCALE: AS SHOWN SHEET 2 OF 4

AS-BUILT INFORMATION SHOWN THUSLY 451.10

ROAD AS-BUILT



Band of Planning 2/6/2019  
D.S. THALER & ASSOC. INC.

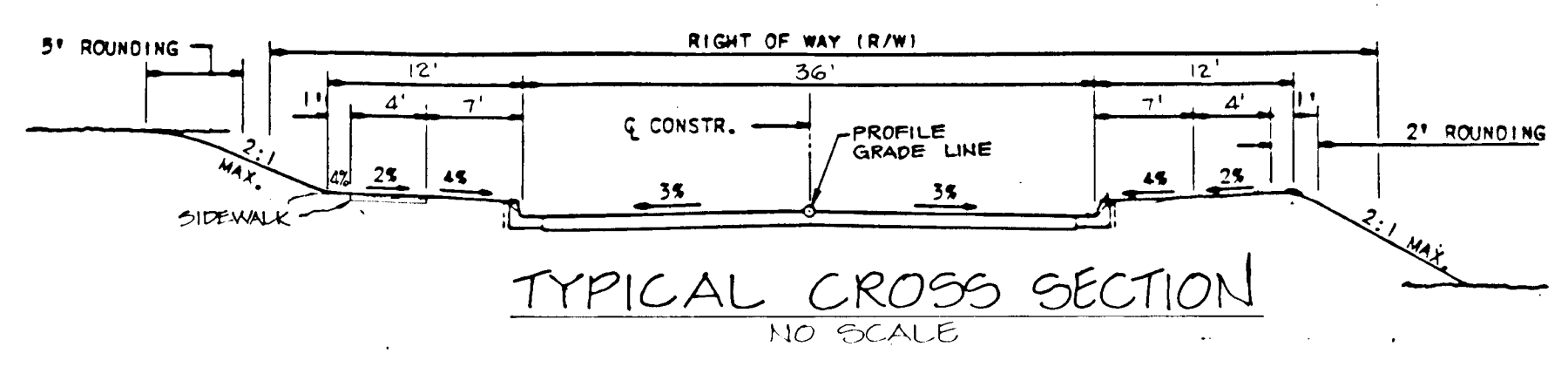


APPROVED: OFFICE OF PLANNING AND ZONING.  
*David J. Dwyer* 4-7-11  
 Chief, Division of Community Planning and Land Development  
 Date: 3/1/19

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*David J. Dwyer* 3/1/19  
 Chief, Land Development Div.  
 Date: 3/1/19

*Granville W. Williams* 3/1/19  
 Chief, Bureau of Highways  
 Date: 3/1/19

*William R. Rupp* 3/1/19  
 Chief, Bureau of Engineering  
 Date: 3/1/19



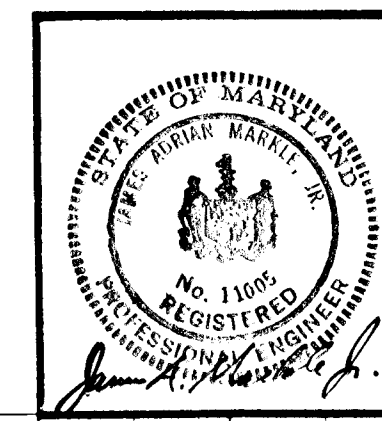
- PATUXENT RANGE ROAD @ STA 10+00 TO @ STA 14+72.1
- EXISTING ZONING: M-2
- CUL-DE-SAC
- DESIGN SPEED: 35 MPH
- PAVING SECTION: P-3

PLAN SCALE: 1"=50'

① CURVE DATA  
 R = 605.00'  
 Δ = 023°50'55"  
 L = 25°42'  
 T = 19°26'  
 CHORD = N 60°43'54" E 251.57'

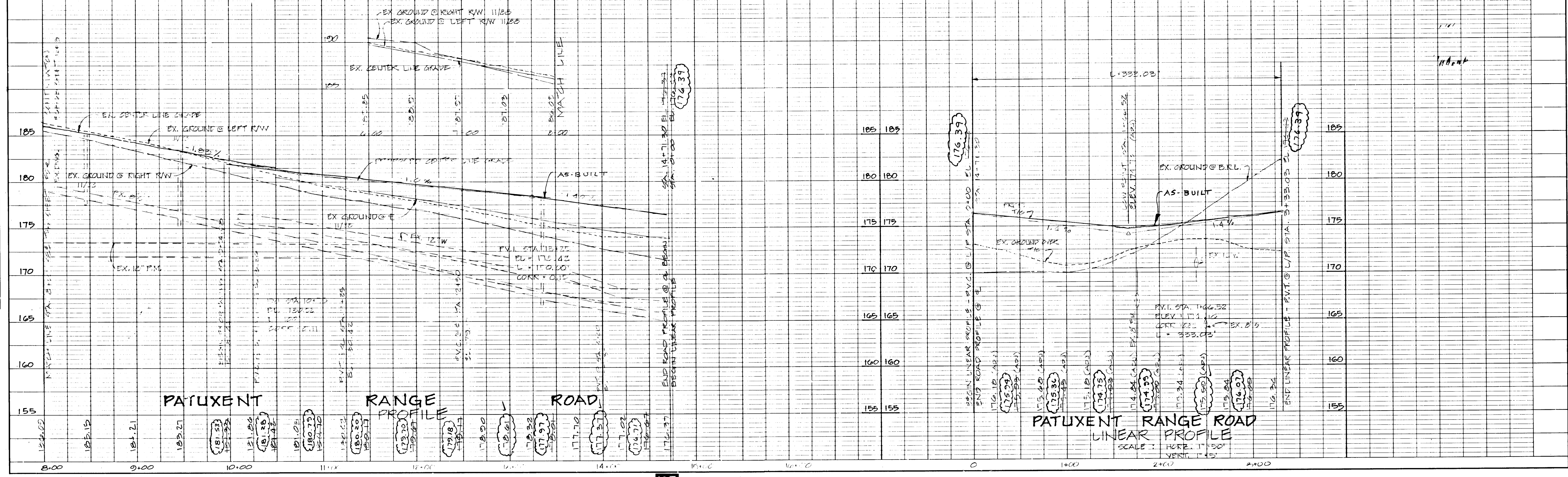
② CURVE DATA  
 R = 122.07'  
 Δ = 28°50'02"  
 L = 77.23'  
 T = 20°03'  
 CHORD = N 66°42'26" E 75.907'

OWNER / DEVELOPER  
 DORSEY RUN INDUSTRIAL PARK LIMITED PARTNERSHIP  
 ARUNDEL BUILDING, SUITE 203  
 110 WEST ROAD  
 BALTIMORE, MARYLAND 21204



TITLE: ROAD CONSTRUCTION PLAN  
 PATUXENT RANGE ROAD  
 PROJECT: PATUXENT RANGE ROAD  
 O.P.&Z. FILE NOS.: TAX MAP: 45, BLOCK: , PARCEL: 100  
 ELECTION DISTRICT: HOWARD COUNTY, MD.  
 DES. BY: R.L.R. DRAWN BY: G.D.H./C.A.D. CHKD. BY: T.H.M. DATE: NOV 1980

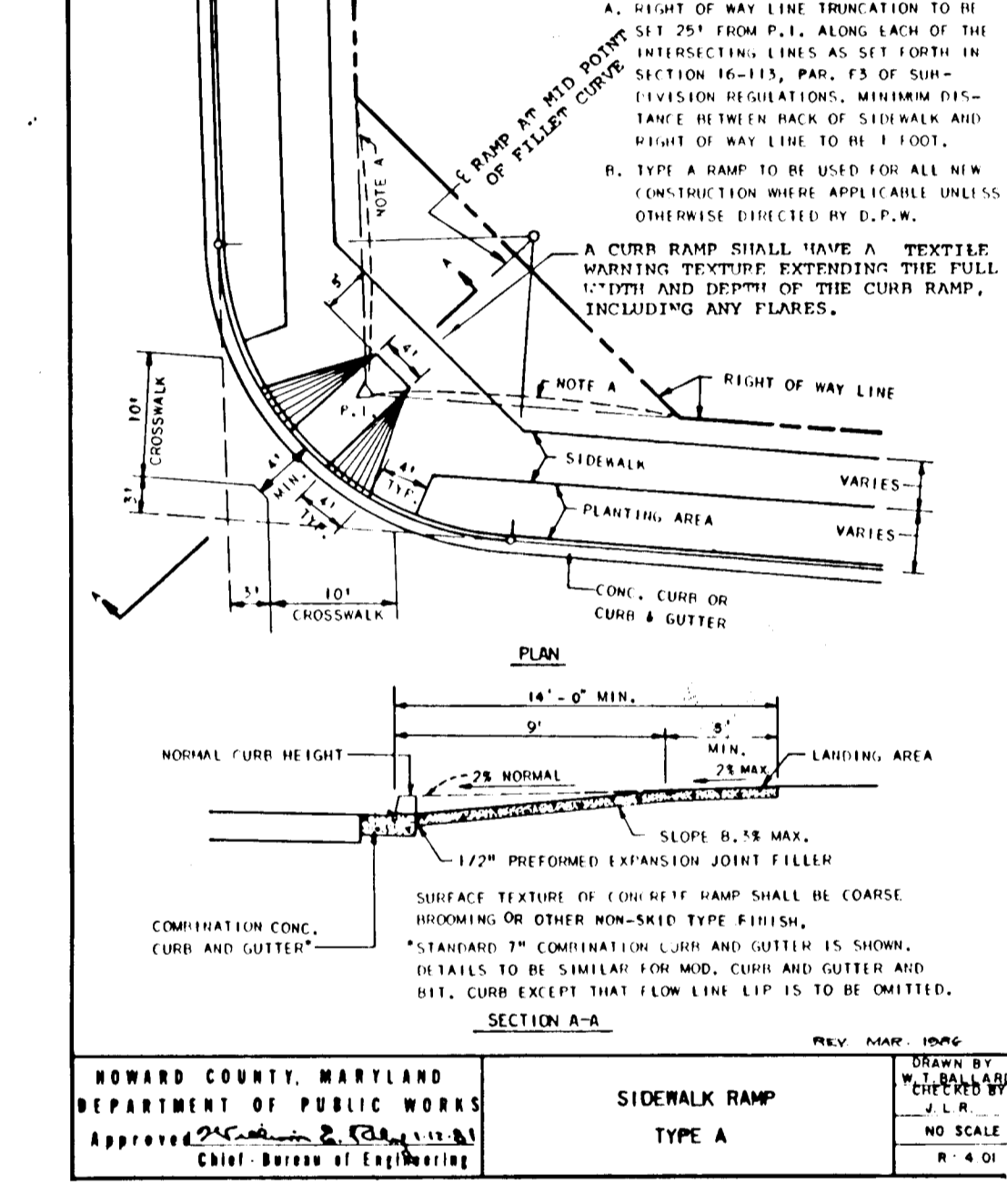
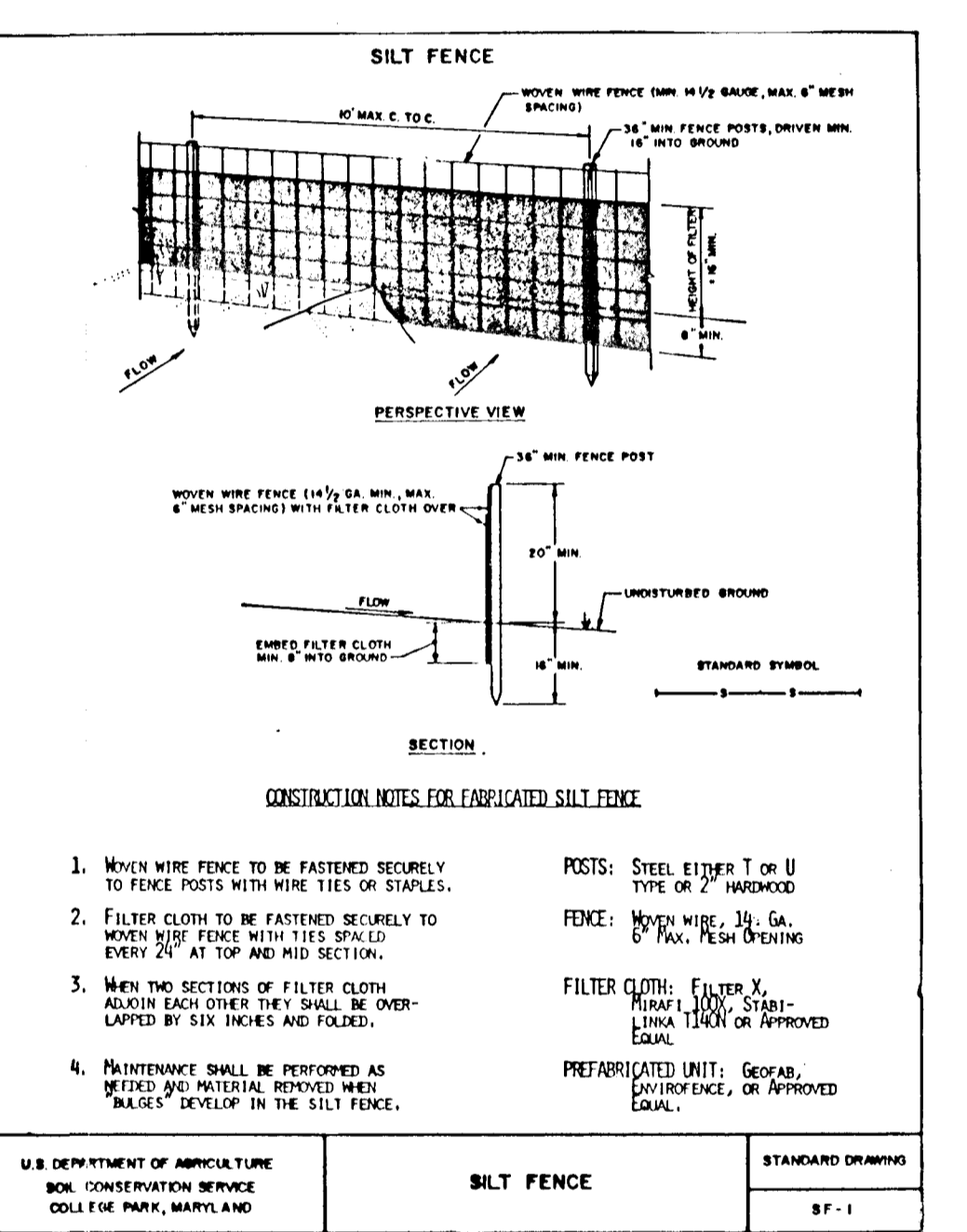
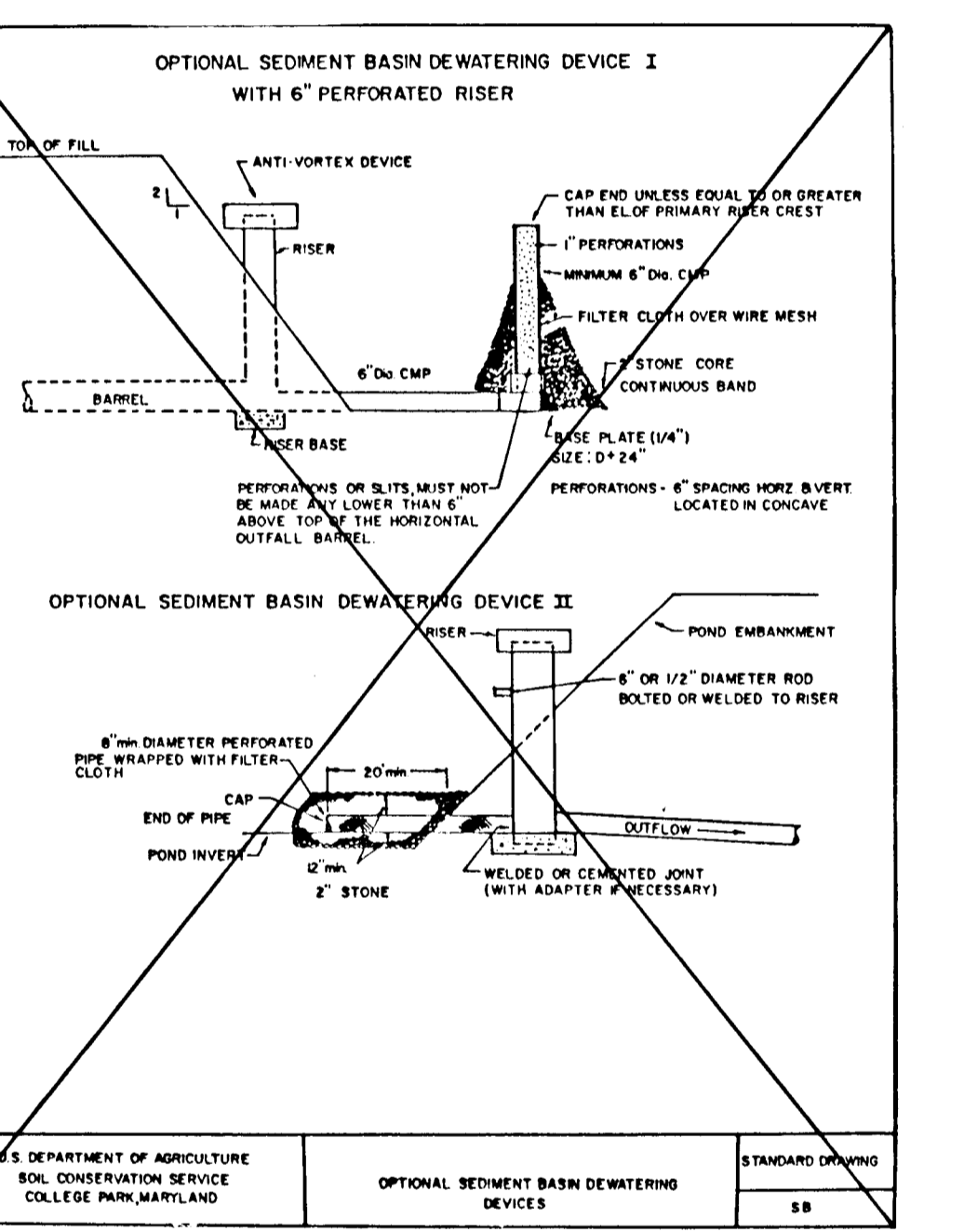
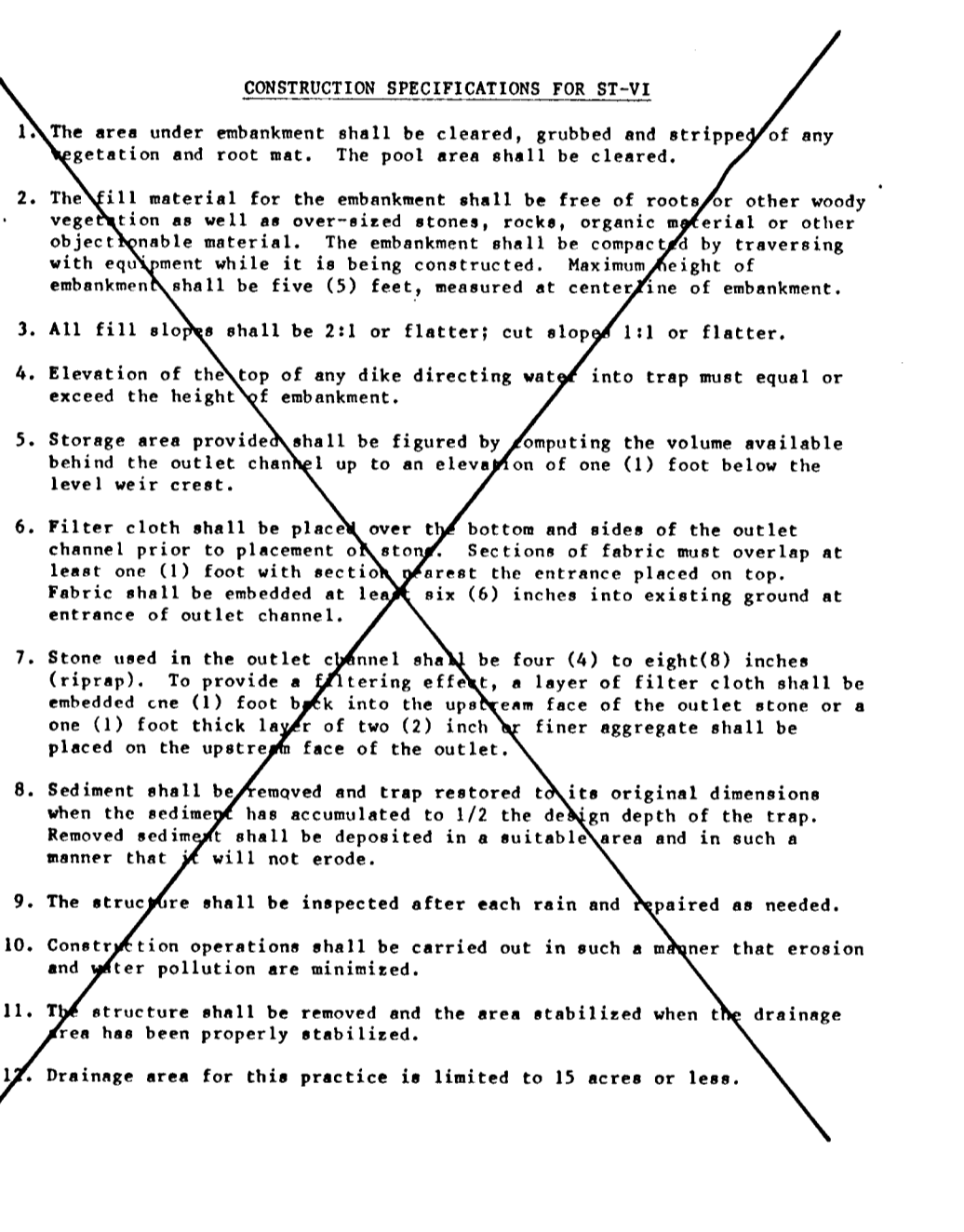
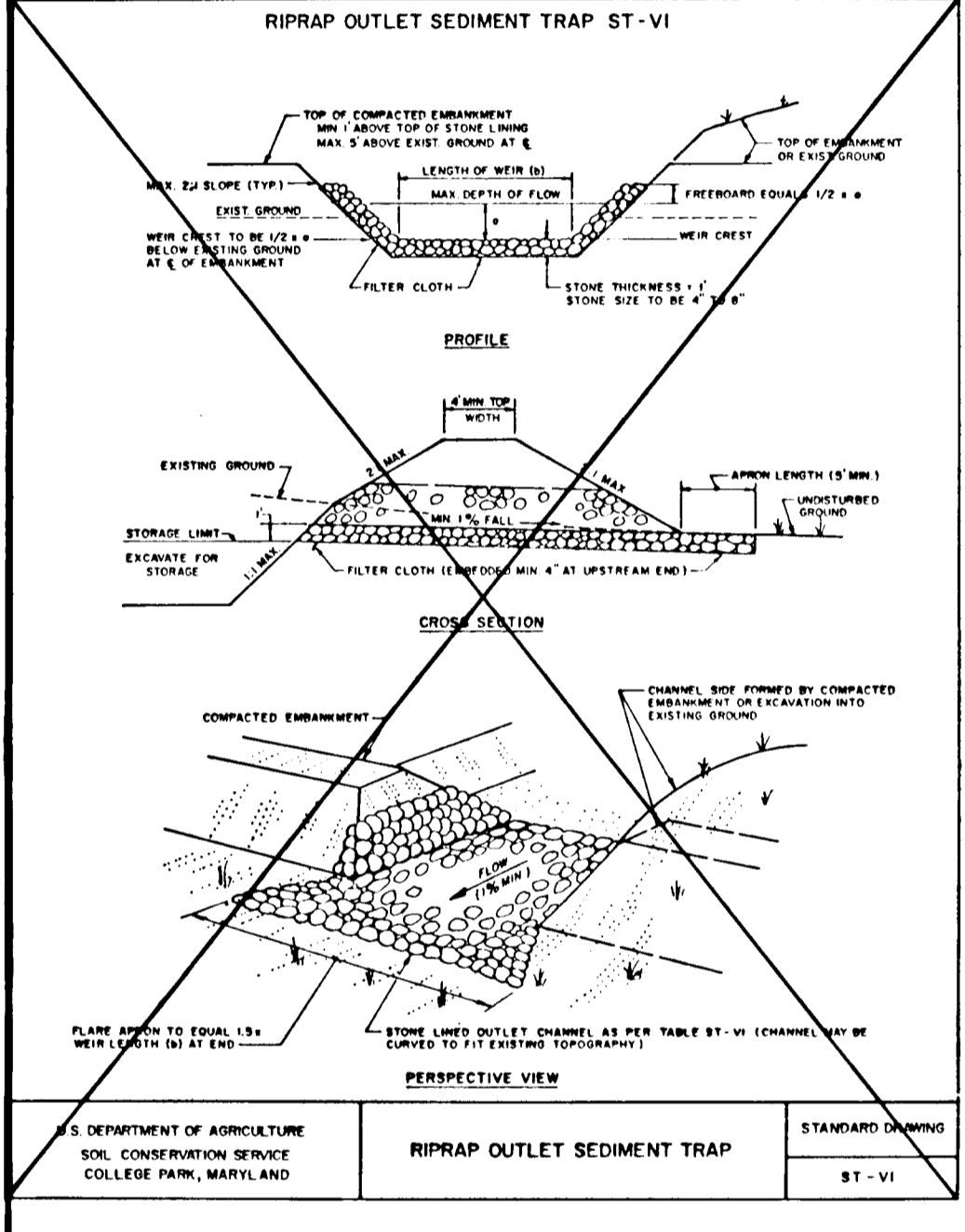
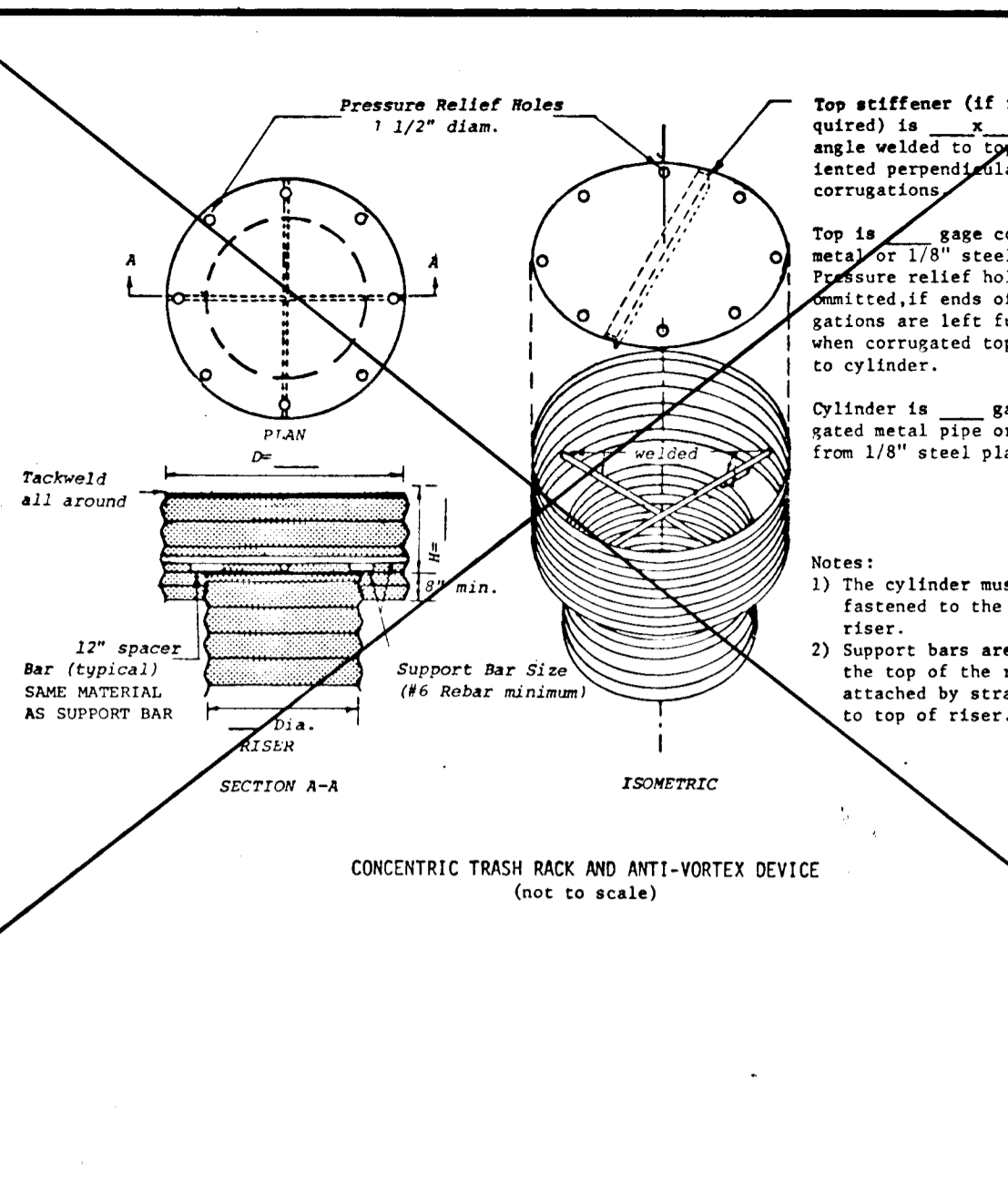
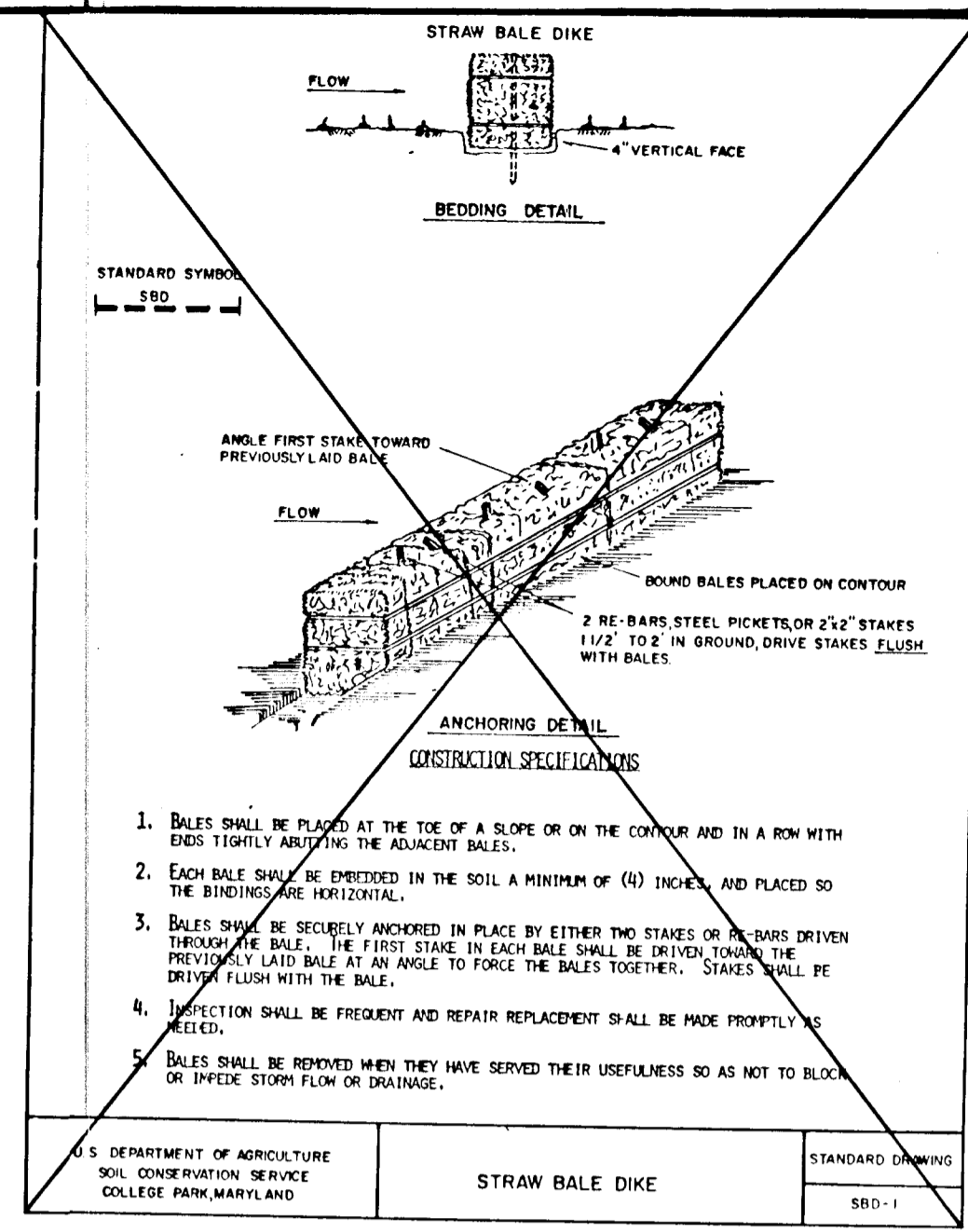
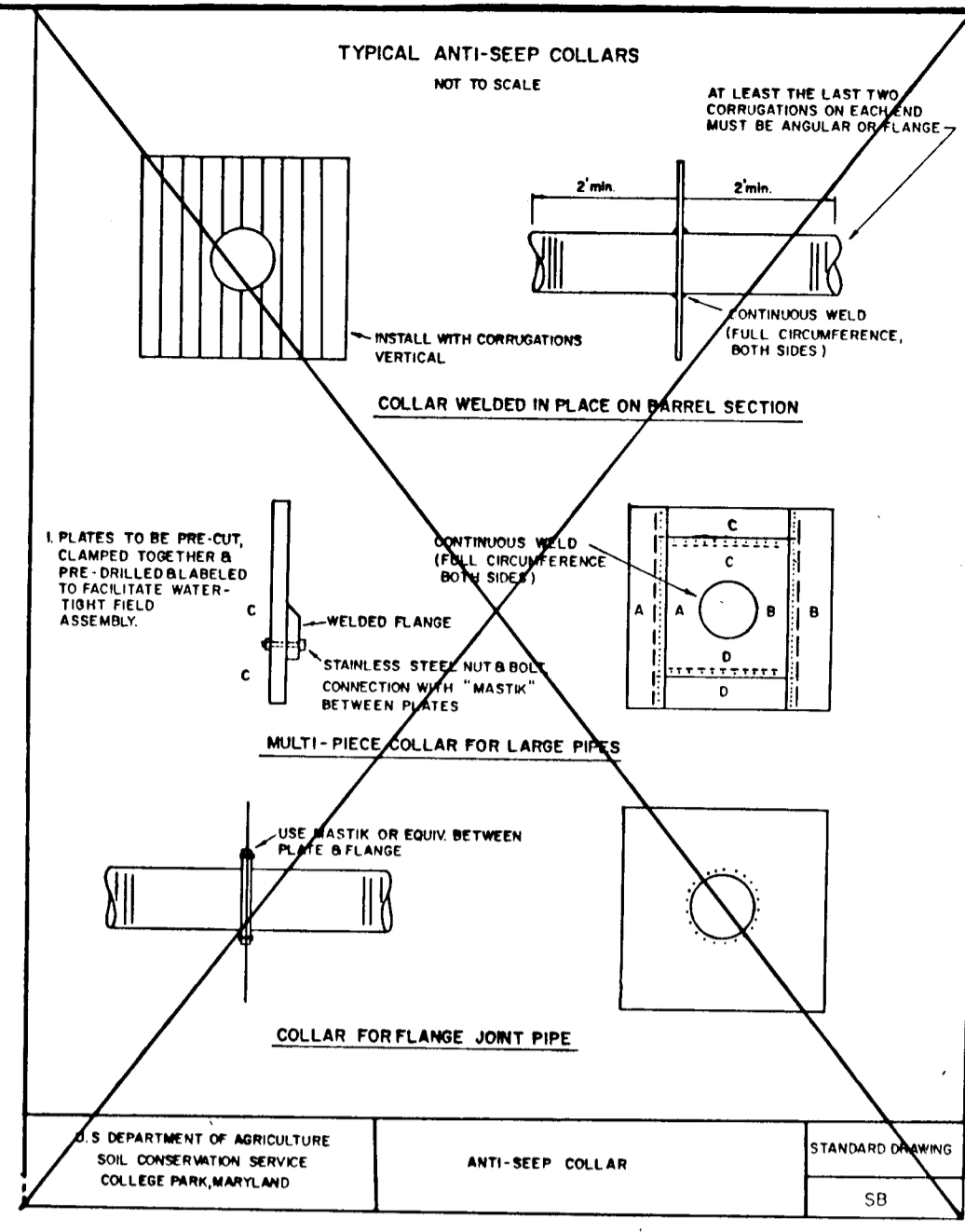
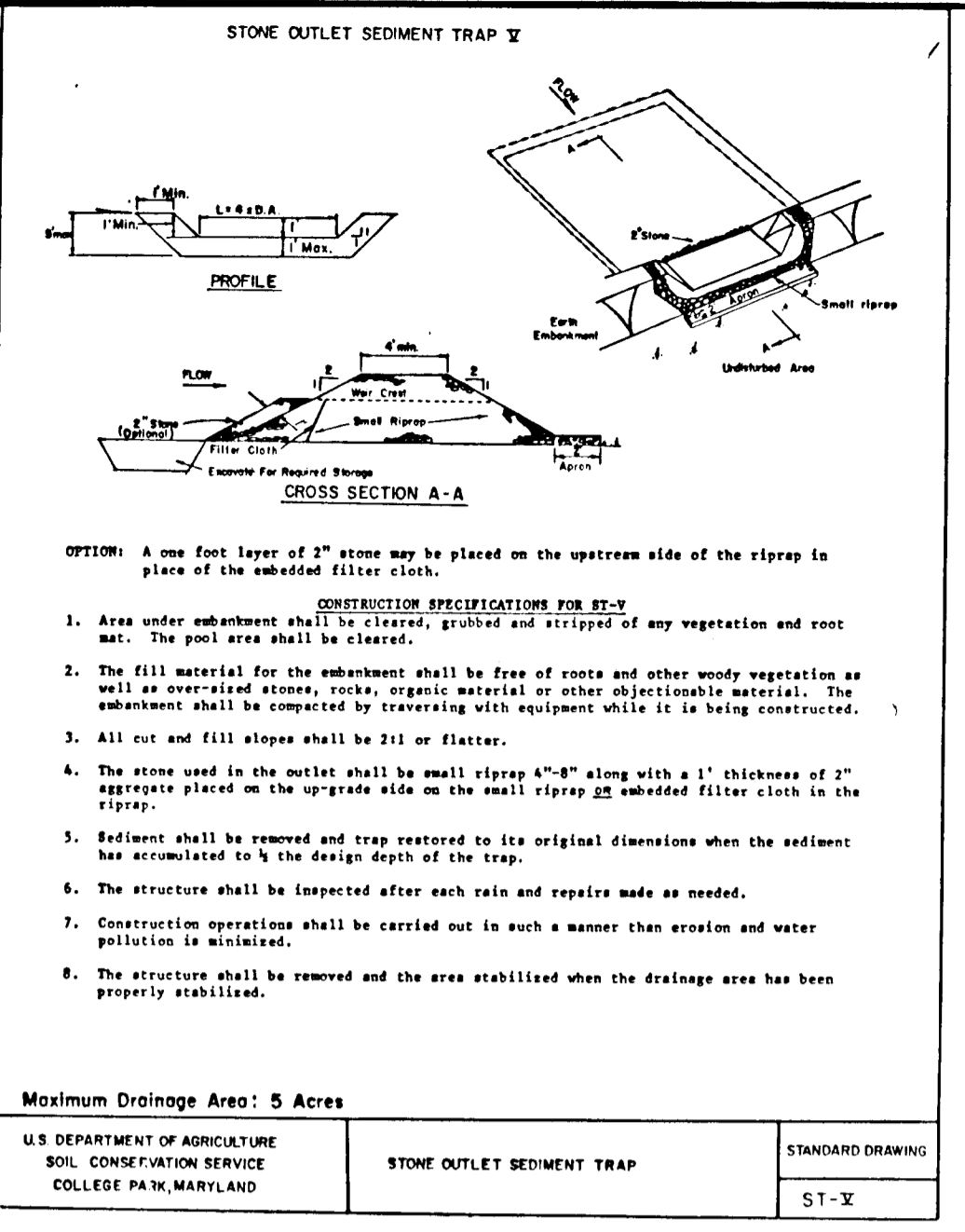
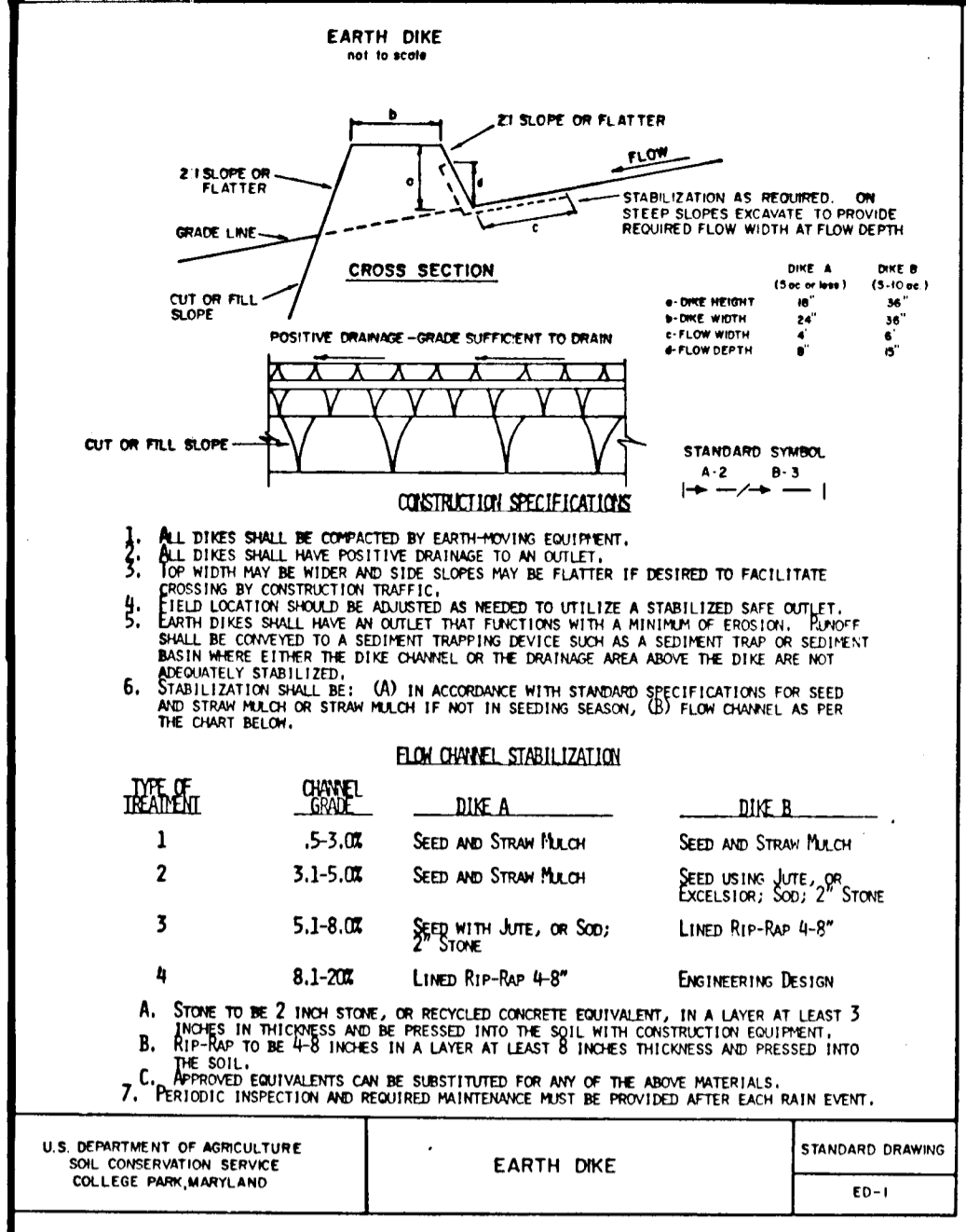
CIVIL ENGINEERS - SITE PLANNERS SURVEYORS  
**DST&A** Inc.  
 11 WARREN ROAD  
 BALTIMORE, MD. 21208  
 (301) 484-4100  
 SCALE: 1"=50' SHEET 3 OF 4



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLAN NOTE BOOK: \_\_\_\_\_  
 ALIGNED CHECKED: \_\_\_\_\_  
 RT OF WAY CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PROFILE NOTE BOOK: \_\_\_\_\_  
 ALIGNED CHECKED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_

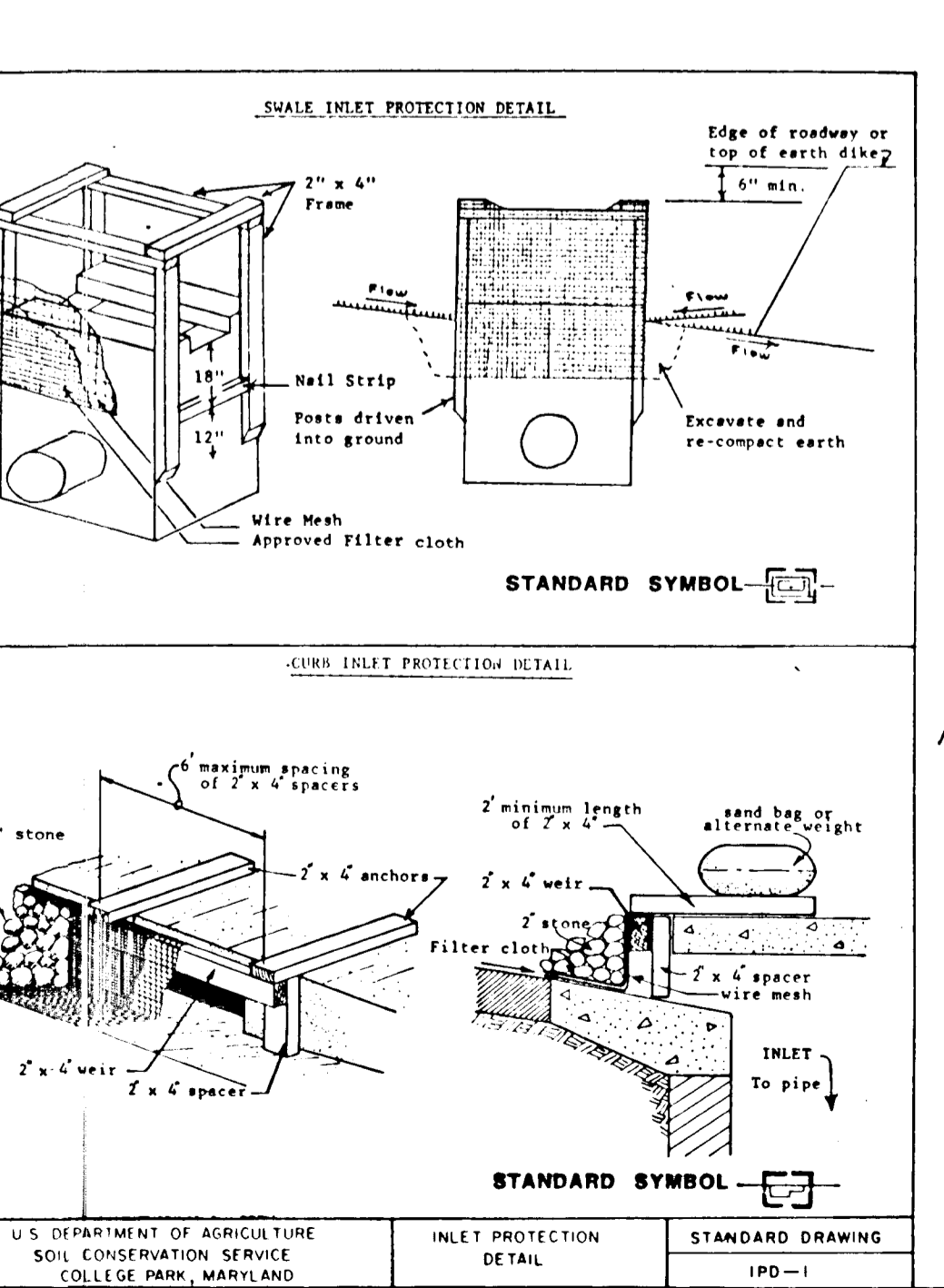
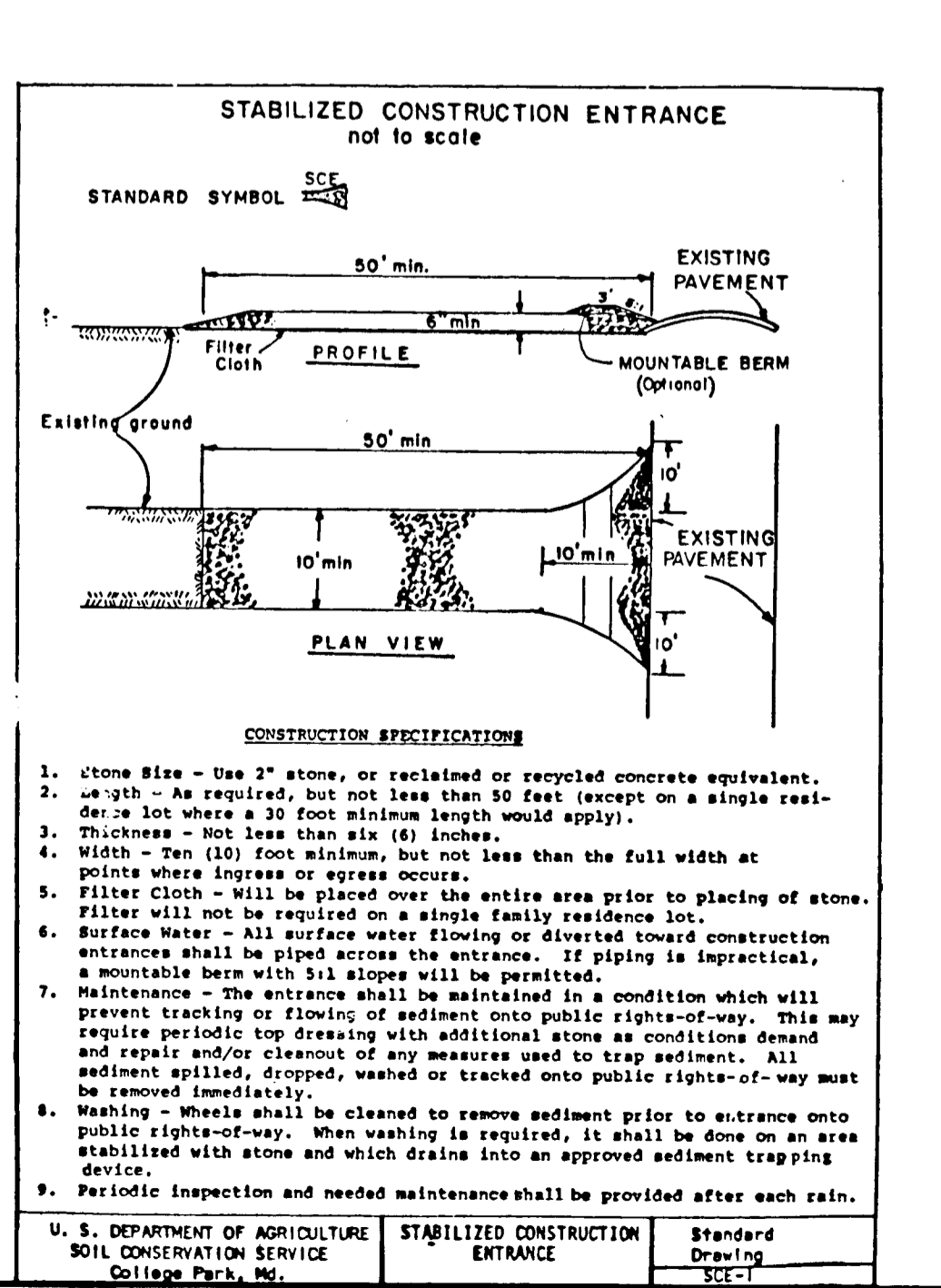
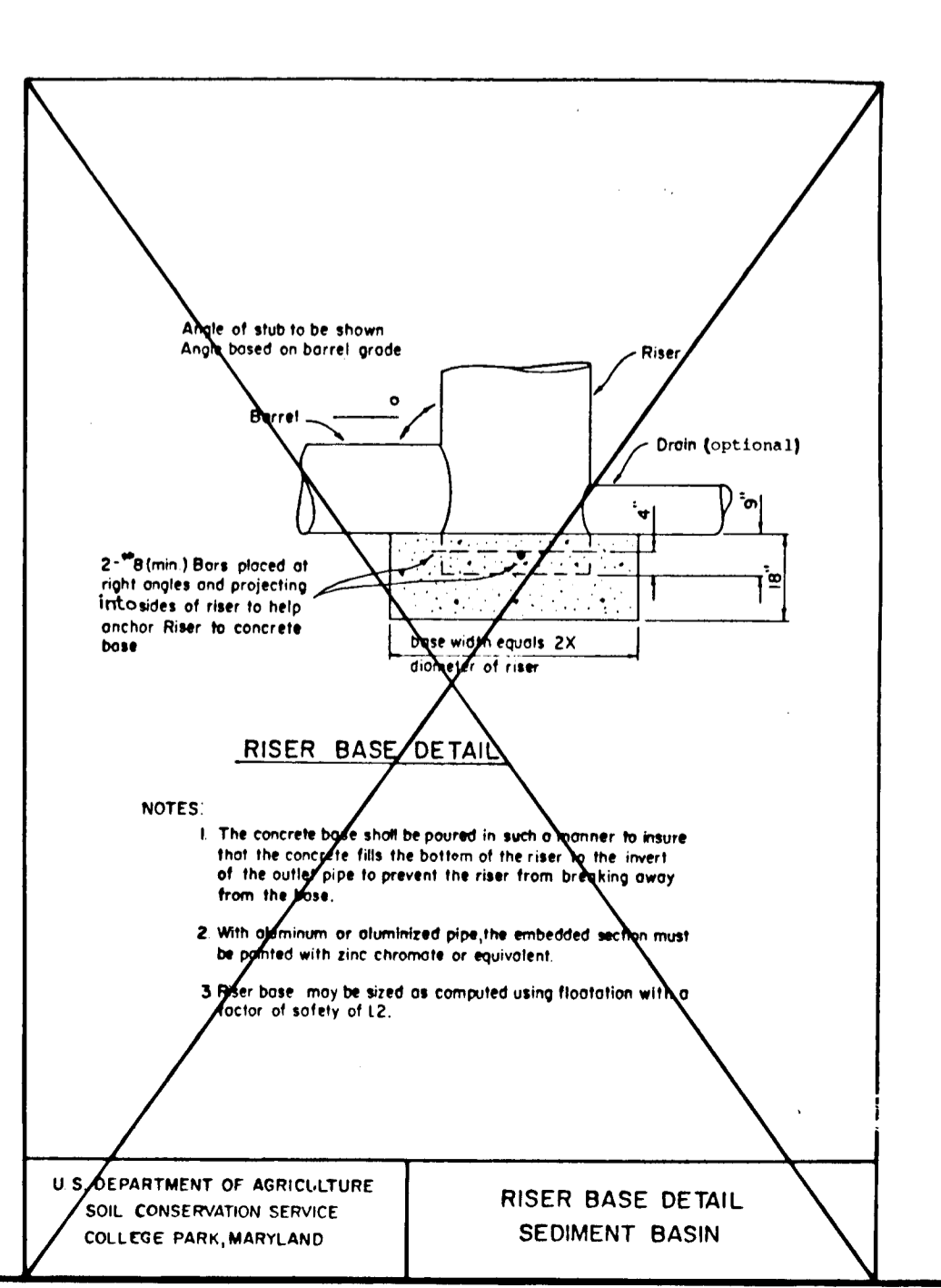
105



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
3/3/89  
DORSEY RUN INDUSTRIAL PARK LIMITED PARTNERSHIP  
3-8-89

U.S. SOIL CONSERVATION SERVICE  
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED: Howard S.C.D. DATE 3/8/89



APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
3/3/89  
DORSEY RUN INDUSTRIAL PARK LIMITED PARTNERSHIP  
3-8-89

U.S. SOIL CONSERVATION SERVICE  
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED: Howard S.C.D. DATE 3/8/89

**OWNER / DEVELOPER**  
DORSEY RUN INDUSTRIAL PARK LIMITED PARTNERSHIP  
ARCUNDEL BUILDING, SUITE 203  
110 WEST ROAD  
BALTIMORE, MARYLAND 21204

AS-BUILT INFORMATION SHOWN THUSLY 524.10  
ROAD AS-BUILT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
3/3/89  
DORSEY RUN INDUSTRIAL PARK LIMITED PARTNERSHIP  
3-8-89

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This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED: Howard S.C.D. DATE 3/8/89

**DETAILS**  
PROJECT: PATUXENT RANGE ROAD  
O.P.&Z. FILE NOS.:  
TAX MAP: 40, BLOCK: , PARCEL: 100  
11 WARREN ROAD  
BALTIMORE, MD. 21208  
PHONE: 410-484-4100  
SCALE: 1"=50' SHEET 4 OF 4

DES. BY: R.R. M.L.T. CHD: T.H.M. DATE: NOV 1988

F-89-99