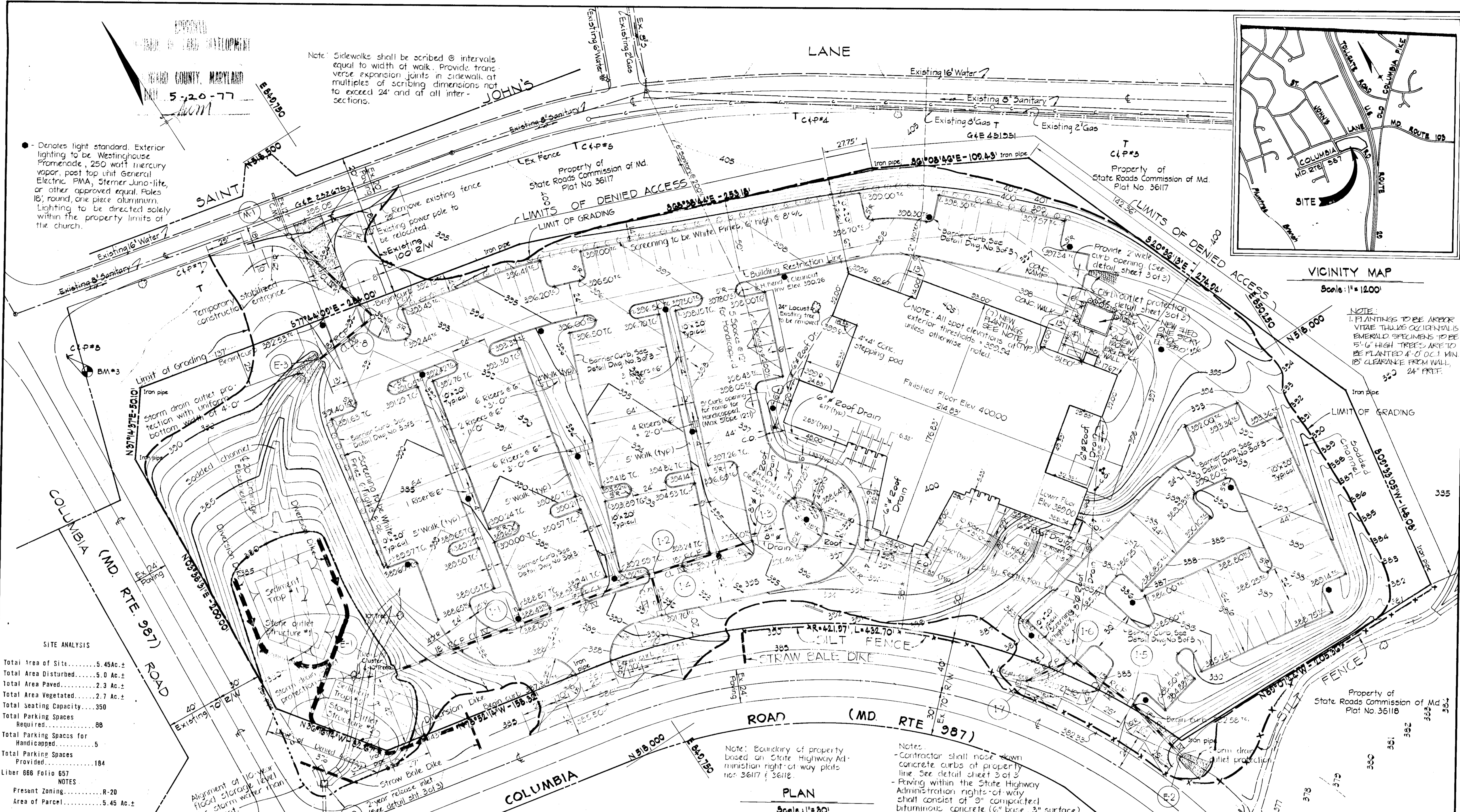
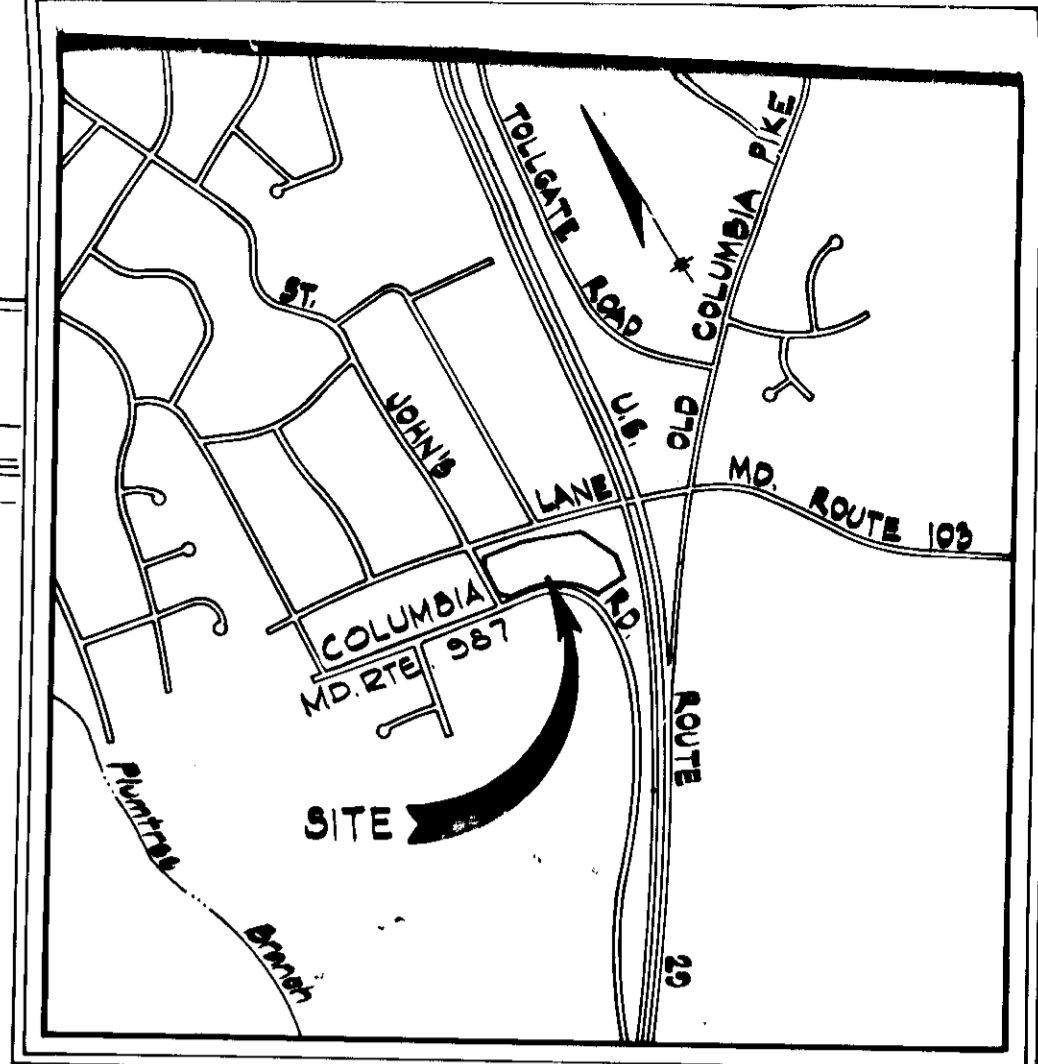


HOWARD COUNTY, MARYLAND
 5-20-77
 M.M.

Note: Sidewalks shall be scribed @ intervals equal to width of walk. Provide transverse expansion joints in sidewalk at multiples of scribing dimensions not to exceed 24' and at all inter-sections.

- Denotes light standard. Exterior lighting to be Westinghouse Promenade, 250 watt mercury vapor, post top unit General Electric PMA, Sterner Juno-lite, or other approved equal. Poles 18' round, one piece aluminum. Lighting to be directed solely within the property limits of the church.



SITE ANALYSIS

Total Area of Site	5.45 Ac. ±
Total Area Disturbed	5.0 Ac. ±
Total Area Paved	2.3 Ac. ±
Total Area Vegetated	2.7 Ac. ±
Total Seating Capacity	350
Total Parking Spaces Required	88
Total Parking Spaces for Handicapped	5
Total Parking Spaces Provided	184

Liber 666 Folio 657
 NOTES:
 Present Zoning: R-20
 Area of Parcel: 5.45 Ac. ±

BENCH MARKS

BM #3 Elev. 397.76
 Nail in C&P pole #8 at Southeast corner St. John's Lane & Columbia Road.

BM #4 Elev. 378.29
 Box-cut in southwest corner of headwall at Southeast corner of site.

Note: Boundary of property based on State Highway Administration right-of-way plots nos 36117 & 36118.

Notes:
 - Contractor shall nose down concrete curbs at property line. See detail sheet 3 of 3.
 - Paving within the State Highway Administration rights-of-way shall consist of 9" compacted bituminous concrete (6" base, 3" surface) placed in three 3" courses.

PLAN
 Scale 1" = 30'

<p>HOWARD SOIL CONSERVATION DISTRICT</p> <p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.</p> <p><i>Signature</i> 7-27-77 SIGNATURE DATE</p> <p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: <i>Signature</i> 7-27-77 HOWARD SOIL CONSERVATION DISTRICT DATE</p>	<p>DEVELOPER</p> <p>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.</p> <p><i>Signature</i> 7-27-77 SIGNATURE DATE</p>	<p>PROFESSIONAL ENGINEER</p> <p>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.</p> <p><i>Signature</i> 7-27-77 DATE</p> <p>LAT. G. PEIREL, JR. REG. NO. 6112</p>	<p>OWNER</p> <p>CORPORATION OF THE PRESIDING BISHOP OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY-SAINTS BISHOP KENNETH K. BARNES, JR. 8603 Dovedale Road Randallstown, Maryland 21133</p>
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<p>APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p><i>Signature</i> 7-27-77 DIRECTOR DATE</p> <p><i>Signature</i> 7/27/77 CHIEF, BUREAU OF HIGHWAYS DATE</p>	<p>APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.</p> <p><i>Signature</i> 7-27-77 PLANNING DIRECTOR DATE</p> <p><i>Signature</i> 7-27-77 CHIEF, DIVISION OF LAND DEVELOPMENT DATE</p>	<p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.</p> <p><i>Signature</i> 7-27-77 COUNTY HEALTH OFFICER DATE</p>
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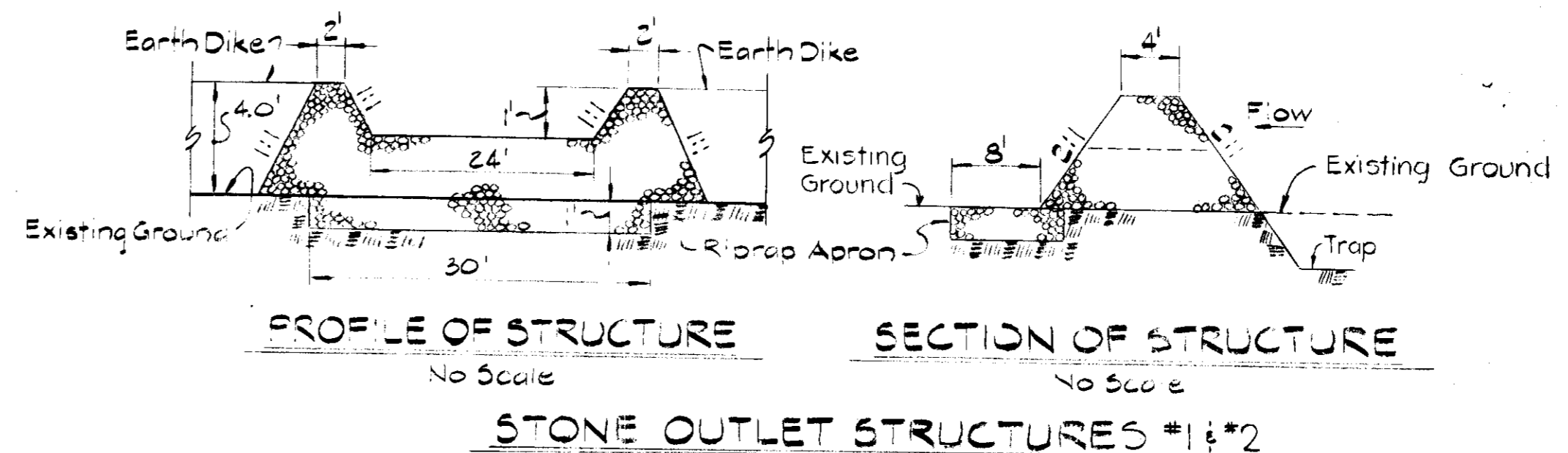
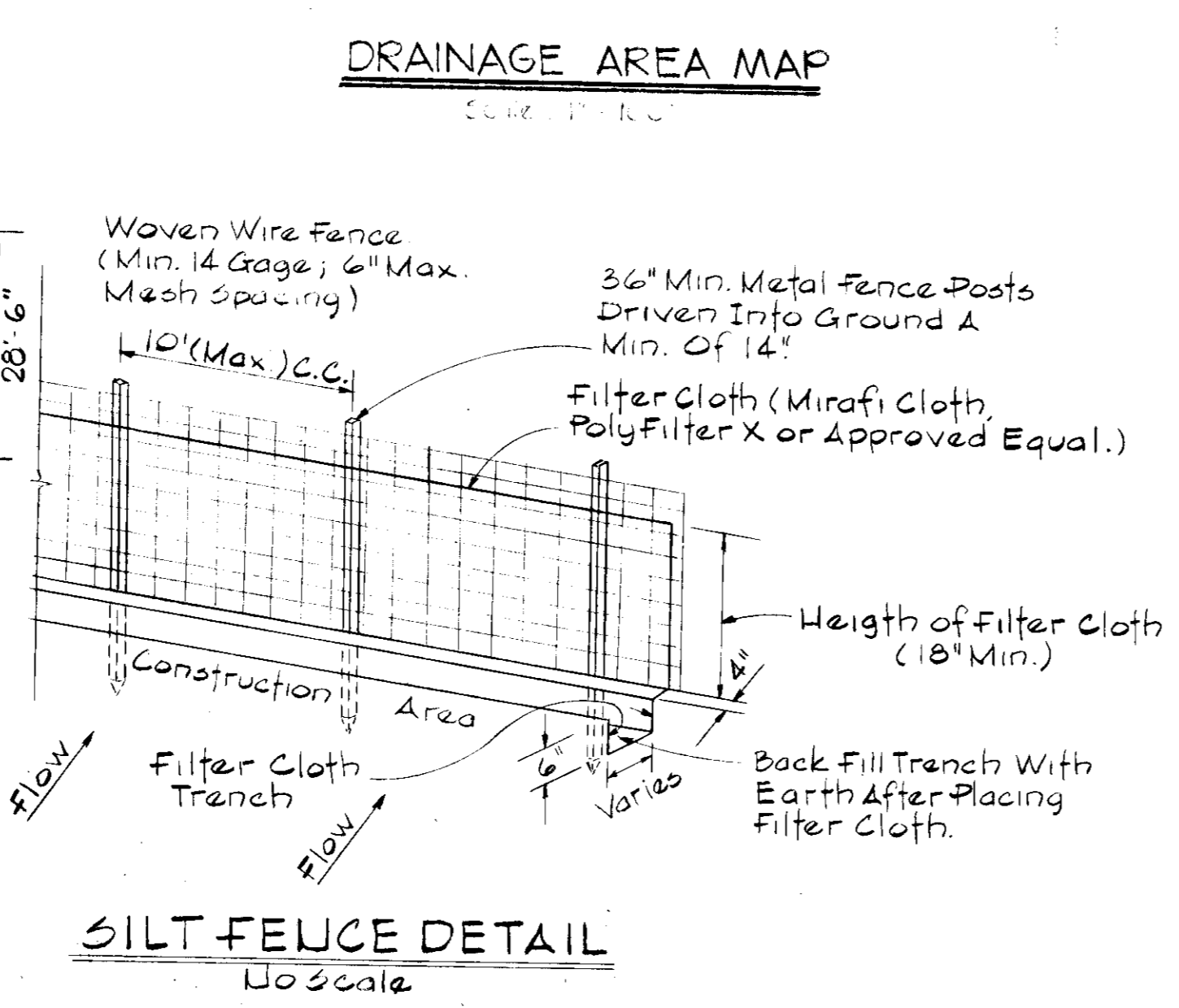
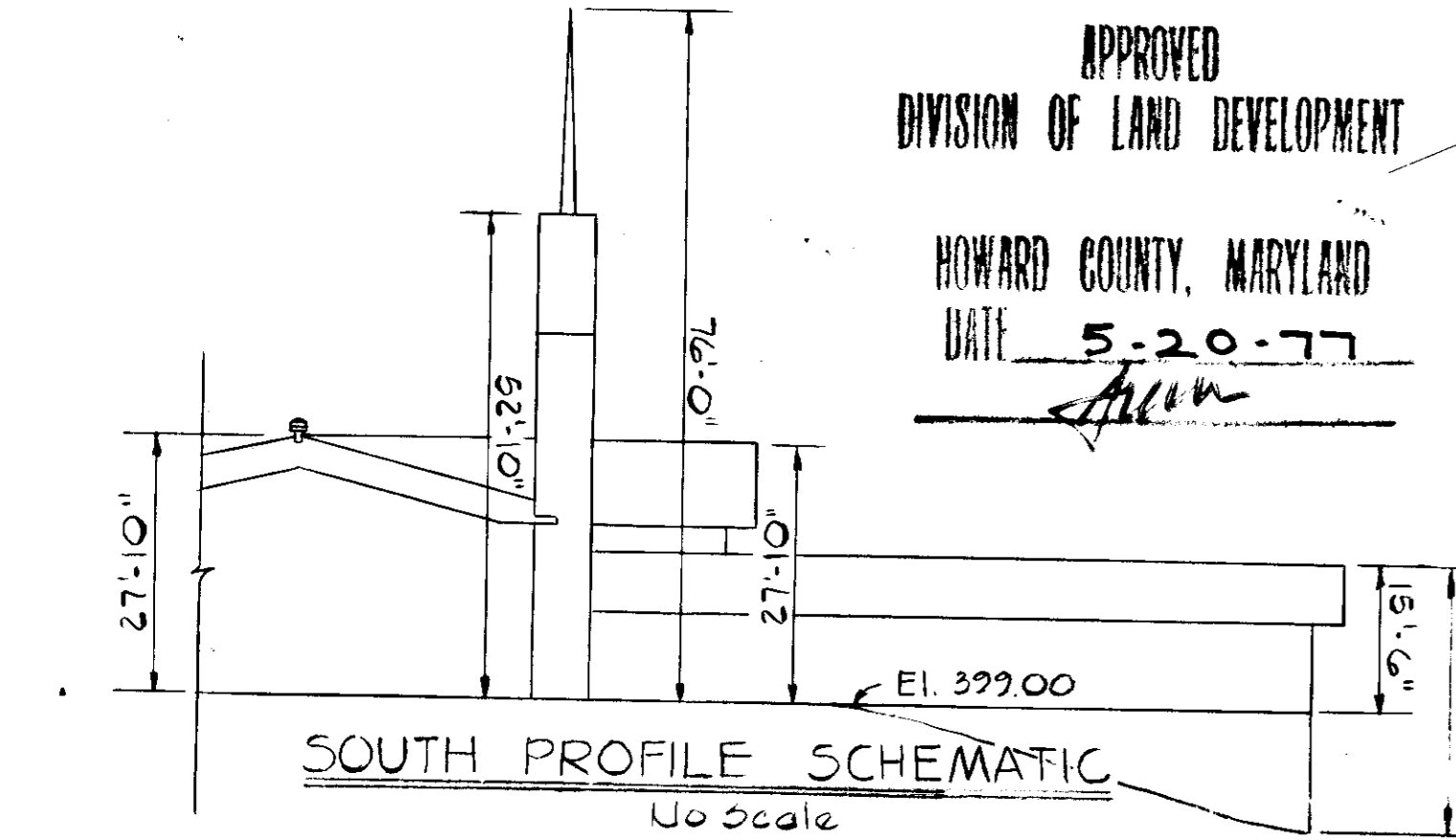
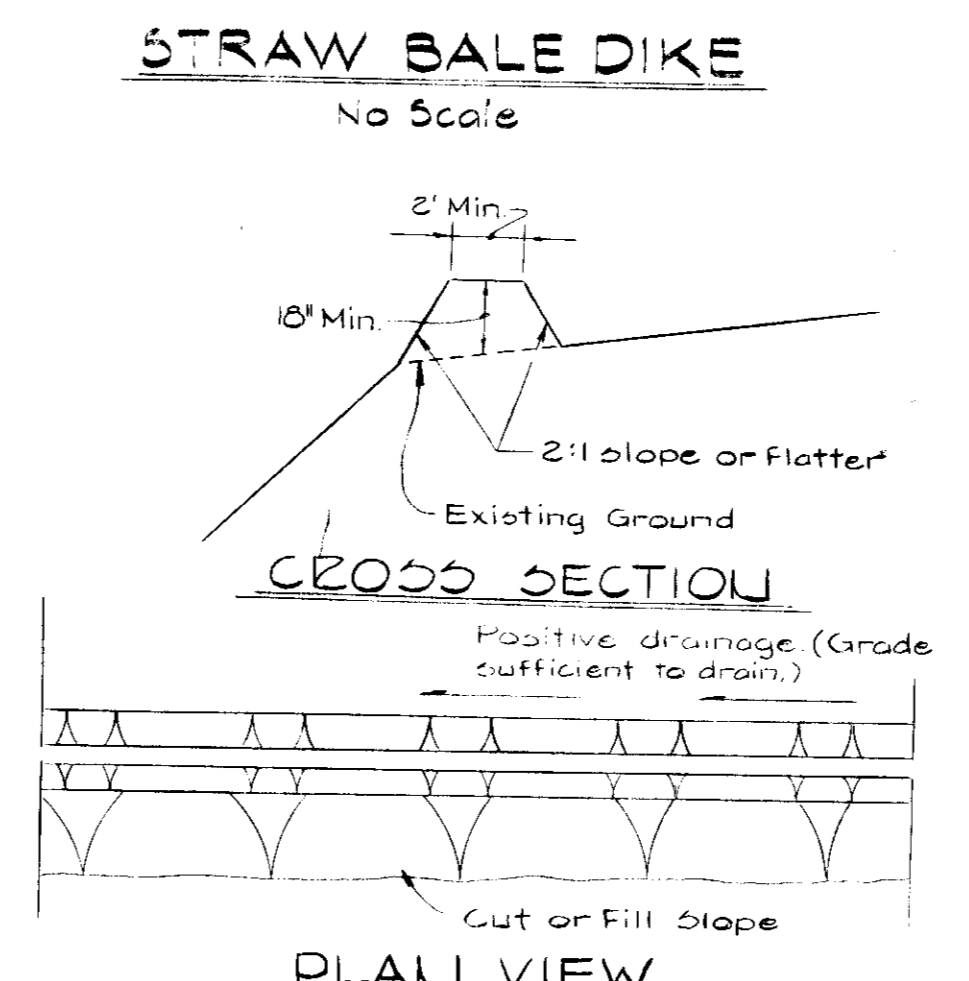
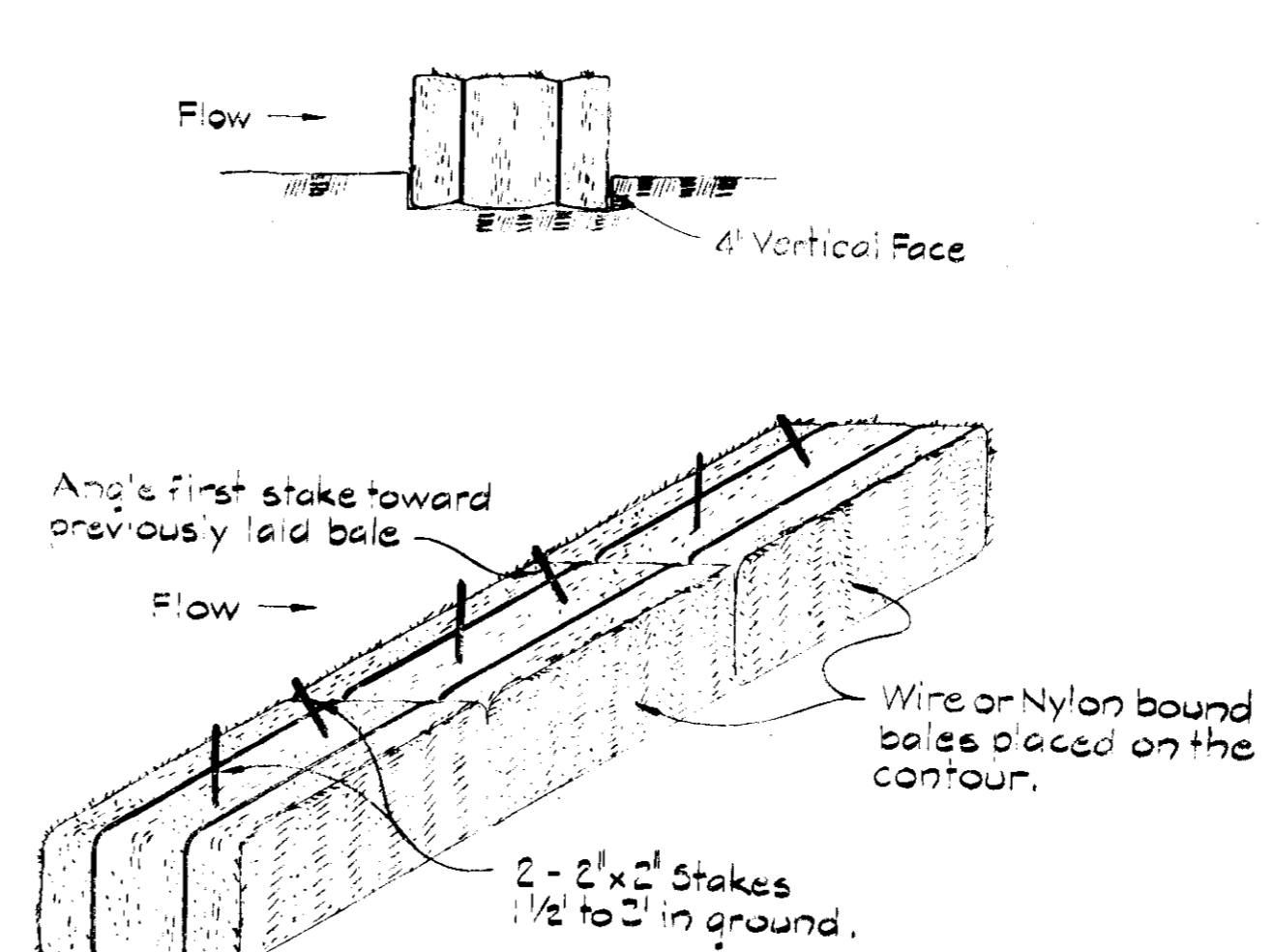
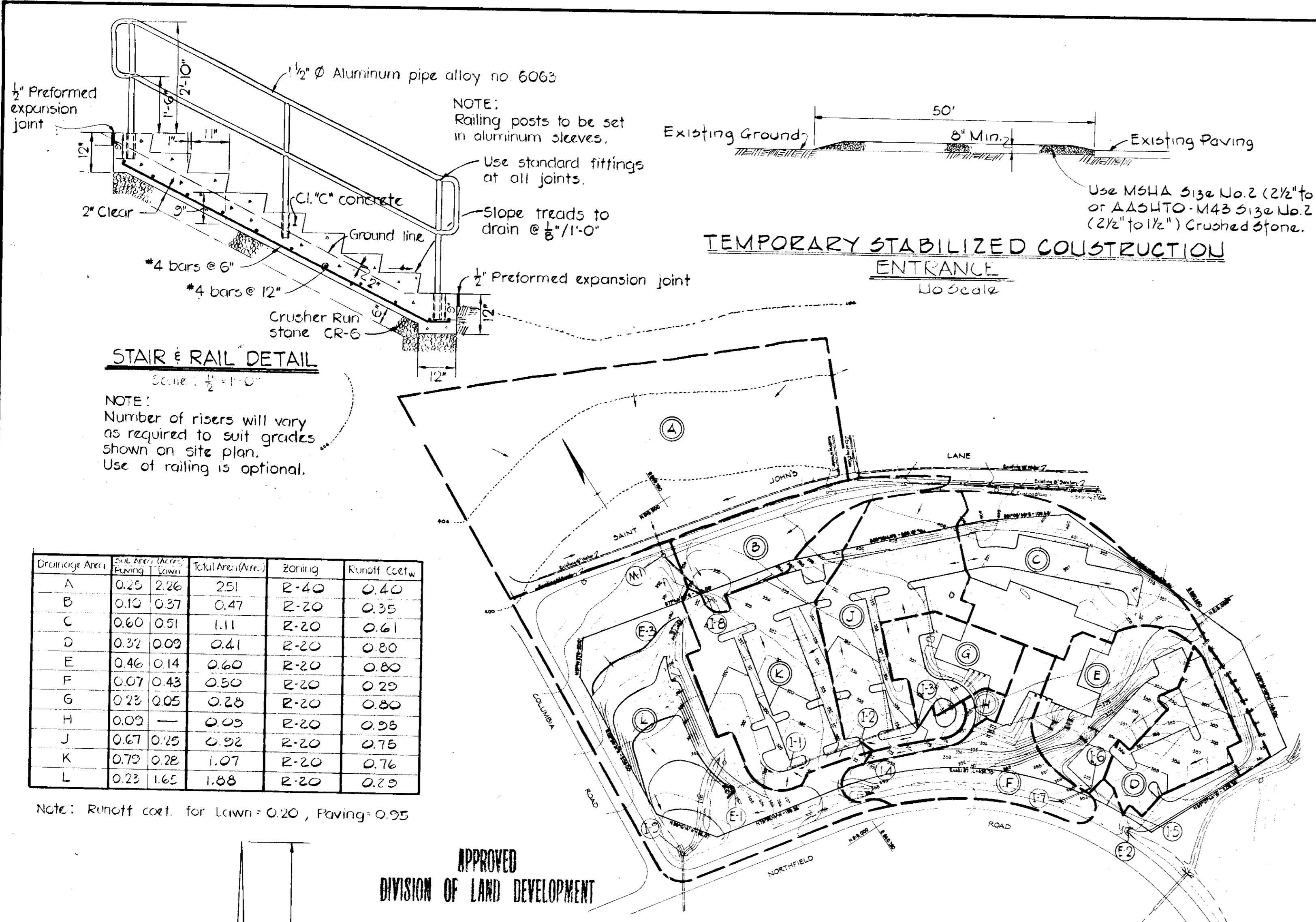
PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS

1023 North Calvert Street
 Baltimore, Maryland 21202 301 / 837-0194

Added August 11, 1977
 • Indicates Antenna Dish (E side of bldg) 10' Diameter, Variable height 10 to 14'. Base: triangular with 8' along sides.
 APRIL 15, 1981: ADDITIONAL OF 15' BY BRICK GLED, WALKWAY & PLANTING W/NOTE.

<p>DESIGNED: AEL DRAFTED: TAV CHECKED: RBC SCALE: AS SHOWN DATE: 12/29/76</p>	<p>CATONSVILLE WARD CHAPEL OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY-SAINTS</p> <p>SITE, CH. J. W. SEELY, CONTROL PLAN Second Election District Howard County, Maryland</p> <p>Tax Map No. 24 Parcel No. 1089 Liber 656 Folio 657</p>	<p>SHEET 1 OF 3</p>
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BRUNING 44132 23421



SEDIMENT CONTROL NOTES

- The developer shall notify the Ho. Co. Office of Inspections and Permits at least 24 hours prior to beginning any construction shown hereon (465-5000 Ext. 365).
- Dikes, sediment traps, etc., to be constructed prior to any onsite grading or disturbance to any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Ho. Co. Office of Inspections and Permits (465-5000 Ext. 365).
- All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
 - Site Preparation:
 - Harrow or disc in areas proposed to be seeded with the following materials at the specified rate, to a depth of 3".
 - Pulverized limestone at 1 1/2 tons/acre
 - Commercial fertilizer 10-10-10 at 1/2 tons/acre
 - Super phosphate of 600 lbs./acre.
 - Seeding:
 - Sow the following seed mixture at the rate of 200 lbs./acre with a mechanical spreader
 - Temporary: Italian or Perennial Rye Grass
 - Permanent: 40% Marion Blue Grass, 40% South Dakota Blue Grass & 20% Penn Lawn Creeping Red Fescue
 - The seeded area shall then be raked with a York Rake (minimum of 2 passes), covered and compacted with Cultipacker or other approved method.
 - Mulching:
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 to 2 tons/acre.
 - Tie mulch down with liquid asphalt at 0.1 gal./s.y. or emulsified asphalt at 0.04 gal./s.y. on mulch netting.
 - Sodding:
 - Apply 10-10-10 Fertilizer @ 1000 lbs./acre (25 lbs./1000)
 - Apply Ground Agricultural Limestone @ 2000 lbs./acre (50 lbs./1000)
 - Incorporate both lime and fertilizer into soil by discing. Firm up after incorporation.
 - Lay sod to a tight fit. Roll to ensure contact with underlying soil. Water as necessary for first two weeks (in summer) to ensure establishment.
 - Critical area (2:1 slope) stabilization shall be Common Kentucky K-31 (Certified) @ 40#/acre and Crownvetch scarified and inoculated @ 15#/acre.

CONSTRUCTION SEQUENCE

- Obtain grading permit.
- Construct temporary stabilized entrance. Barricade points of access along Columbia Road (Md. Rte. 987).
- Place straw bale dikes as shown on plans.
- Construct silt fence and diversion dikes and excavate Sediment Traps to the dimensions shown on the plans.
- Stabilize diversion dikes using "Temporary Seeding". See Sediment Control Notes.
- Clear and rough grade site.
- Place building footings and begin building construction.
- Construct storm drains and outlet protection apron.
- Construct barrier curb.
- Place roads to subgrade and lay base course of pavement.
- Fine grade slopes and sodded channels.
- Construct sidewalks.
- Stabilize site with permanent seeding and mulching. See Sediment Control Notes.
- Place surface course of pavement.
- Construct modified "D" inlet for storm water management and barricade temporarily.
- Remove temporary sediment control devices, shape up storage area at modified "D" inlet and stabilize disturbed area per sediment control notes.

DESIGN FEATURES	SEDIMENT TRAP DATA	
	SEDIMENT TRAP #1	SEDIMENT TRAP #2
DRAINAGE AREA	3.5 Ac	3.8 Ac
DISTURBED AREA	0.5 Ac	2.7 Ac
VOLUME REQUIRED	235 cy	255 cy
VOLUME PROVIDED	276 cy	265 cy
DIMENSIONS OF TRAP	15' x 25' x 2'	15' x 25' x 2'
CLEANOUT LEVEL	1.5'	1.5'
BELOW WEIR		

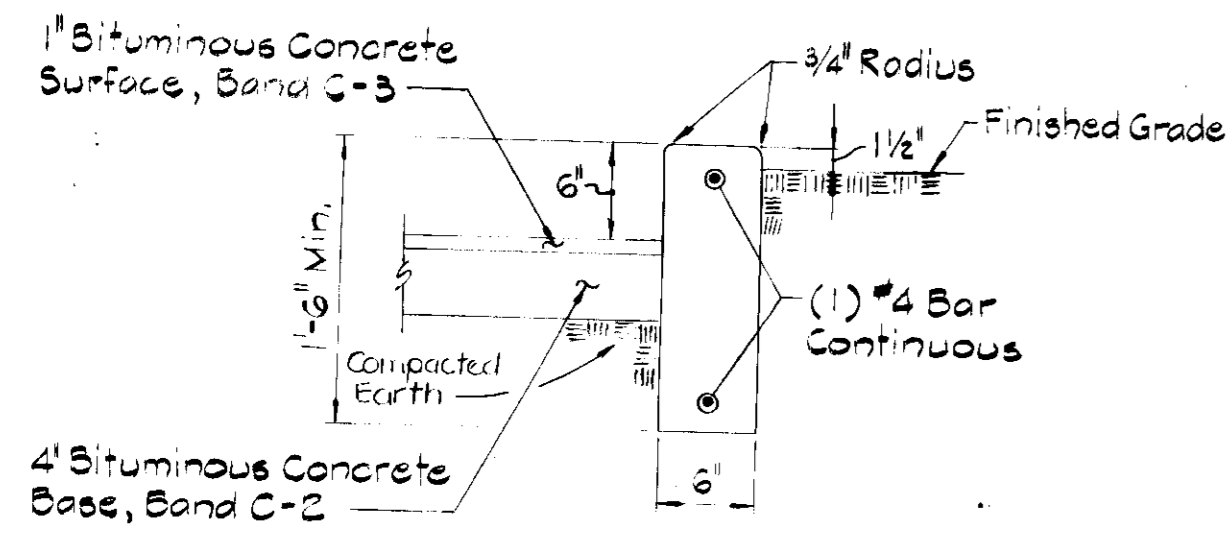
<p>HOWARD SOIL CONSERVATION DISTRICT</p> <p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS</p> <p><i>Wendell Swartz</i> 7-14-77</p> <p>SIGNATURE DATE</p> <p>APPROVED: <i>John A. Mays</i> 7-14-77</p> <p>HOWARD SOIL CONSERVATION DISTRICT DATE</p>	<p>DEVELOPER</p> <p>I CERTIFY 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.</p> <p><i>Richard Kenneth Williams</i> 12/16/76</p> <p>SIGNATURE DATE</p>	<p>PROFESSIONAL ENGINEER</p> <p>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.</p> <p><i>Cay G. Weinel, Jr.</i> 7-29-77</p> <p>CAY G. WEINEL, JR. REG. NO. 8182 DATE</p>
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<p>APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.</p> <p><i>P. R. ...</i> 7-6-77</p> <p>DIRECTOR DATE</p> <p><i>James M. ...</i> 7-15-77</p> <p>CHIEF, BUREAU OF HIGHWAYS DATE</p>	<p>APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.</p> <p><i>Thomas ...</i> 7-29-77</p> <p>PLANNING DIRECTOR DATE</p> <p><i>...</i> 7-27-77</p> <p>CHIEF, DIVISION OF LAND DEVELOPMENT DATE</p>	<p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.</p> <p><i>...</i> 7-27-77</p> <p>COUNTY HEALTH OFFICER DATE</p>
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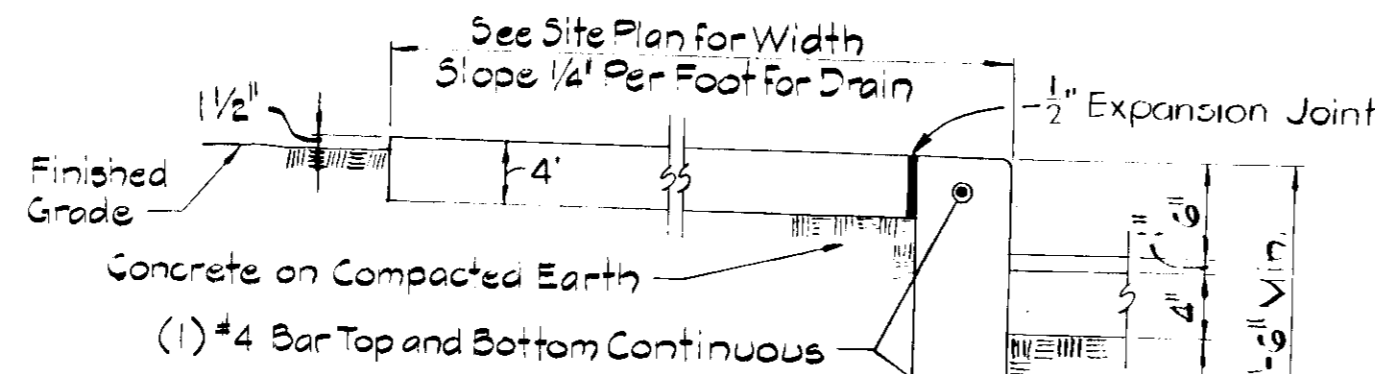
<p>PURDUM & JESCHKE CONSULTING ENGINEERS LAND SURVEYORS</p> <p>1023 North Calvert Street Baltimore, Maryland 21202 301/837-0184</p>	<p>DESIGNED: AEL DRAFTED: RAZ CHECKED: RBC SCALE: AS SHOWN DATE: 12/29/76</p>	<p>CATONSVILLE WARD CHAPEL OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS DRAINAGE AREA MAP & SEDIMENT CONTROL DETAILS</p> <p>Second Election District Howard County, Maryland</p> <p>Tax Map No. 24 Parcel No. 1089 Liber 666 Folio 657</p>	<p>SHEET 2 OF 3</p>
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OWNER

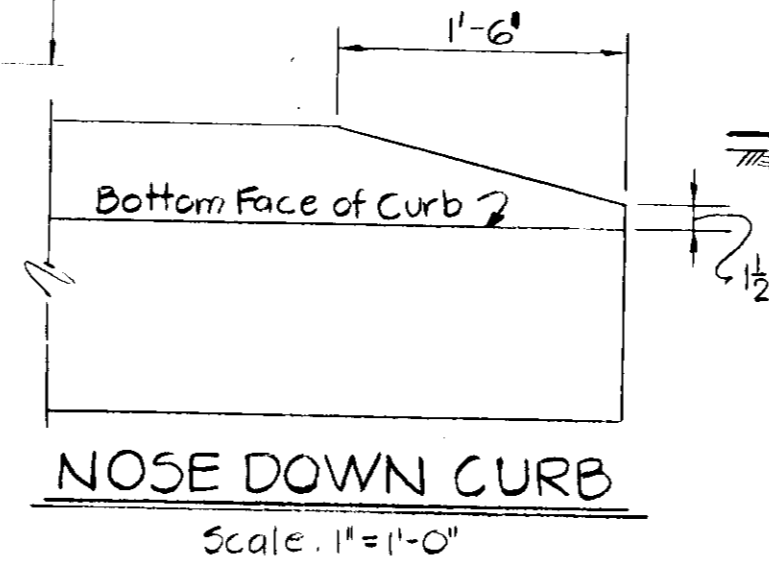
CORPORATION OF THE PRESIDING
BISHOP OF THE CHURCH OF JESUS
CHRIST OF LATTER-DAY-SAINTS
BISHOP KENNETH K. BARNES, JR.
8603 Dovedale Road
Randallstown, Maryland 21133



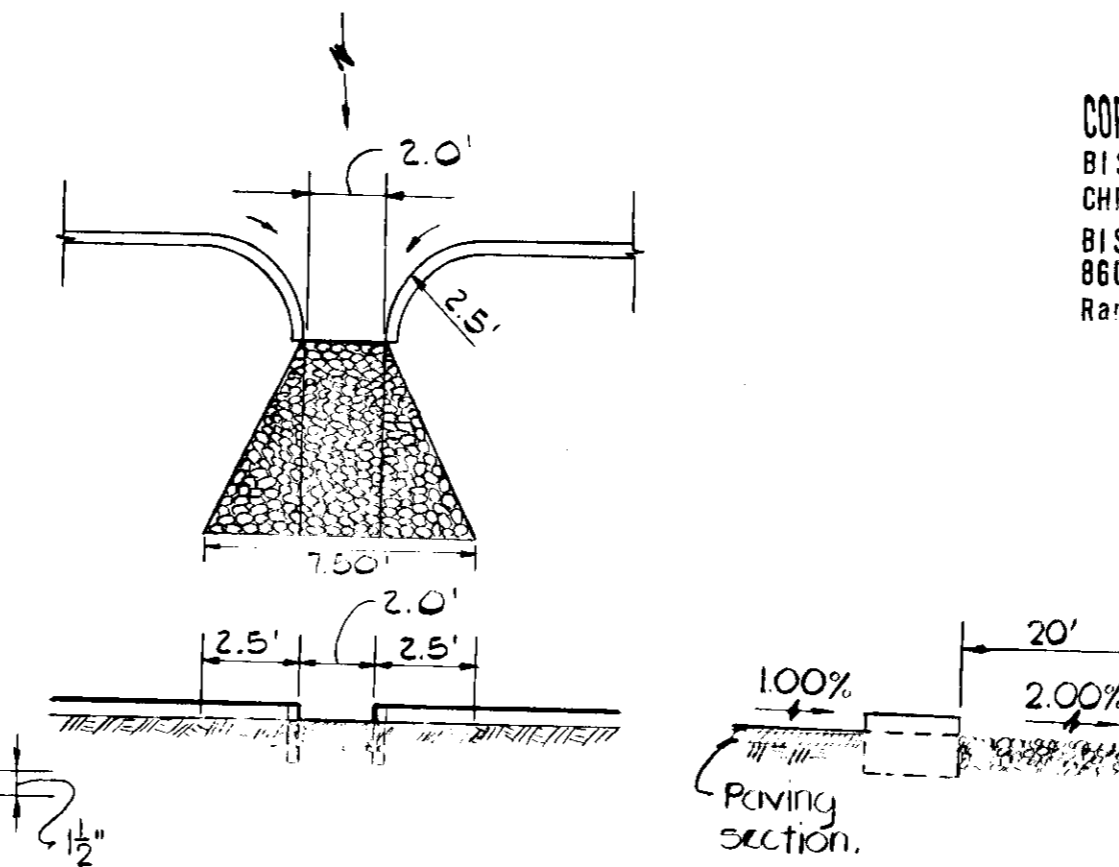
BARRIER CURB DETAIL
Scale: 1"=1'-0"



COMBINATION CONCRETE SIDEWALK AND CURB DETAIL
Scale: 1"=1'-0"

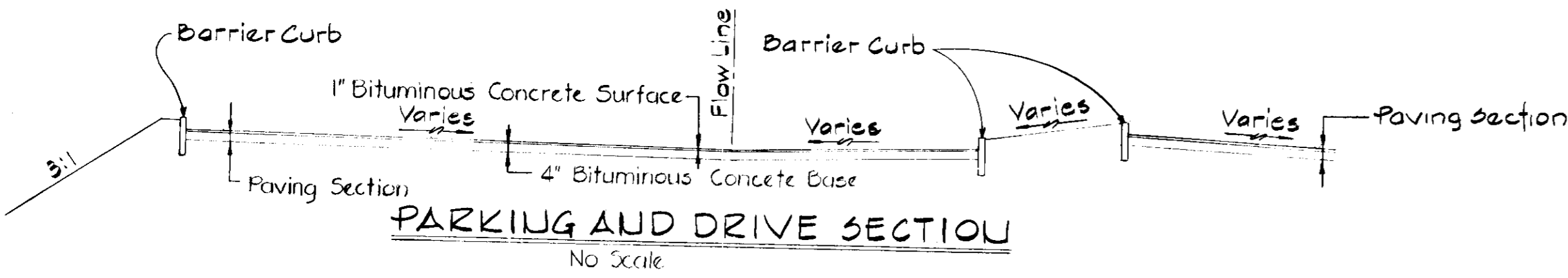


NOSE DOWN CURB
Scale: 1"=1'-0"



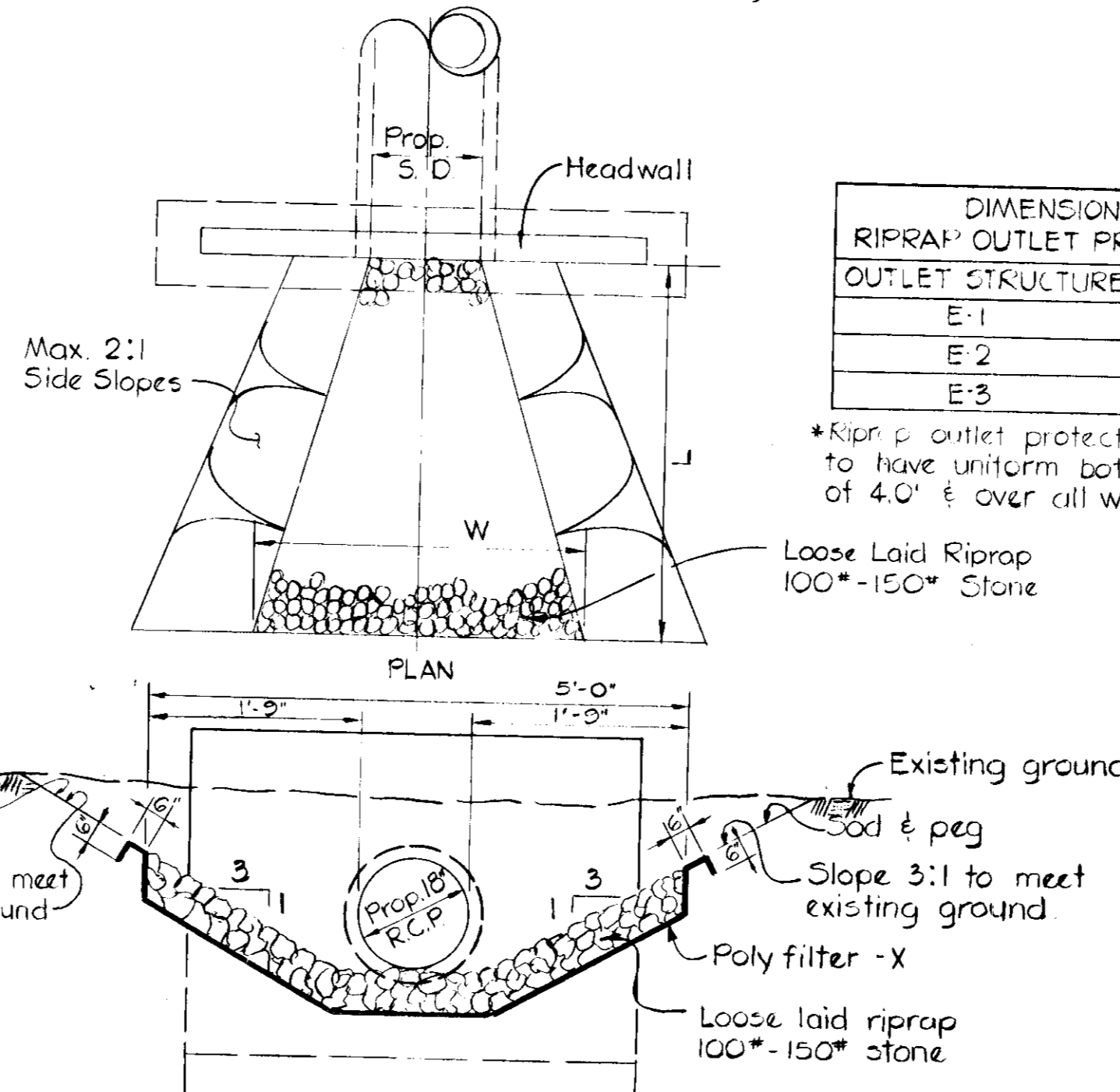
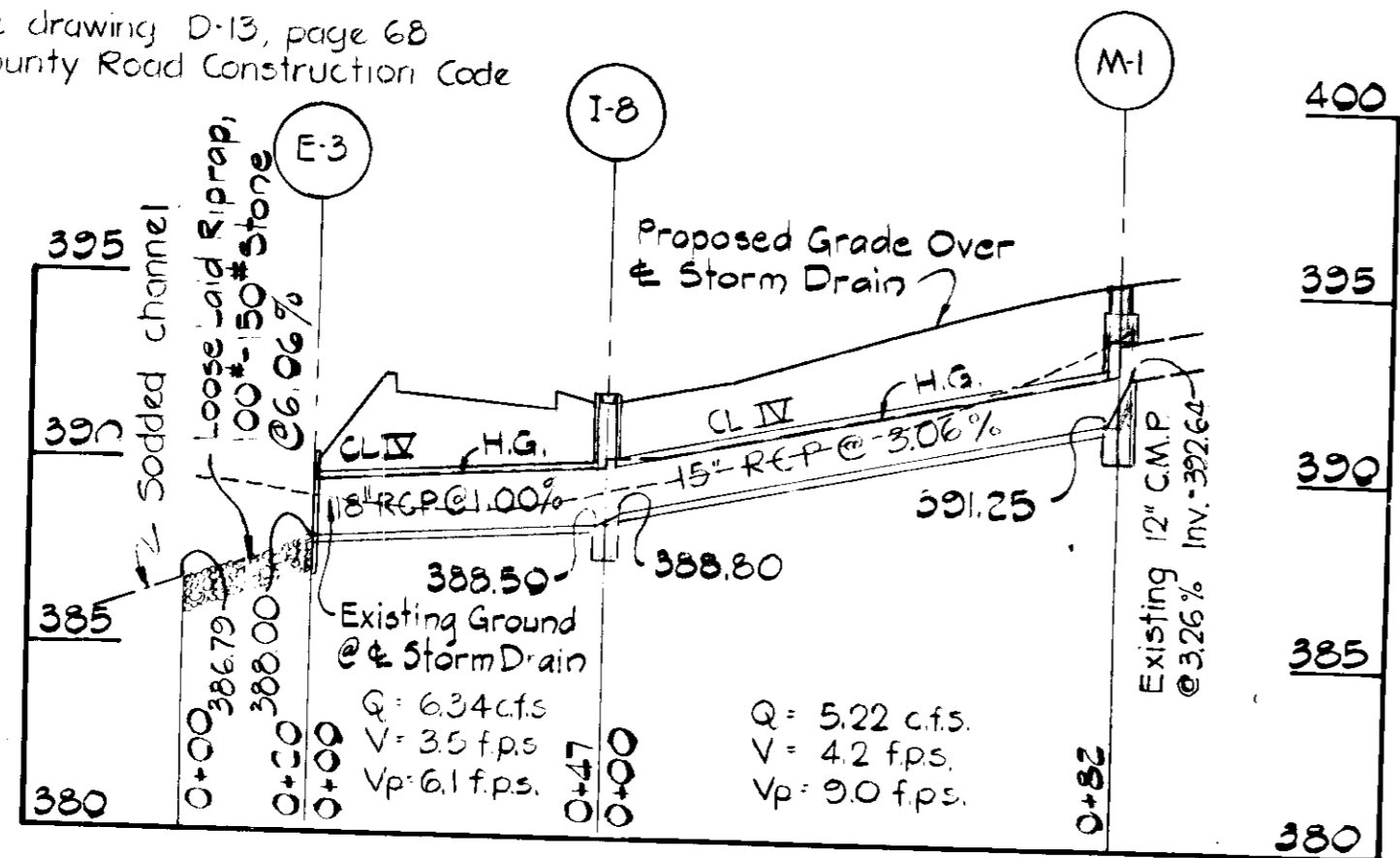
CURB OPENING DETAIL
No Scale

STORM DRAIN STRUCTURE SCHEDULE					
No.	Type	Inv. In	Inv. Out	Top of Struct.	Page & Dwg. No.
I-1	"A-B"	382.81	382.28	388.00	118-A, D-44A
I-2	"S"	387.75	387.54	391.49	154, D-39
I-3	"S"		391.66	395.06	157, D-102
I-4	"S"		388.06	391.33	153, D-38
I-5	"S"	378.75	378.50	382.50	154, D-39
I-6	"S"	379.32	379.26	382.50	154, D-39
I-7	"K"		379.67	382.75	148, D-33
E-1	"C"		379.00	381.25	107, D-52
E-2	"C"		377.00	379.25	107, D-52
E-3	"C"		388.00	390.25	107, D-52
M-1	"B"	392.64	391.25	395.00	SLD 5
I-9	Modified "D"	377.00	373.48	380.83	See Detail This Sheet
I-8	"K"	388.00	388.50	392.00	148, D-33



PARKING AND DRIVE SECTION
No Scale

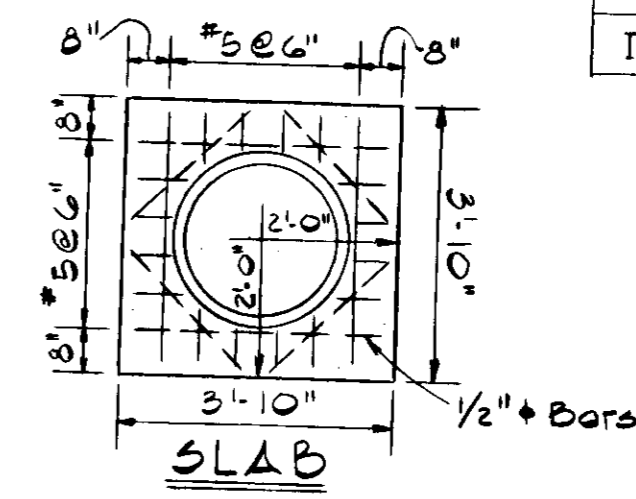
Note: See drawing D-13, page 6B
Howard County Road Construction Code



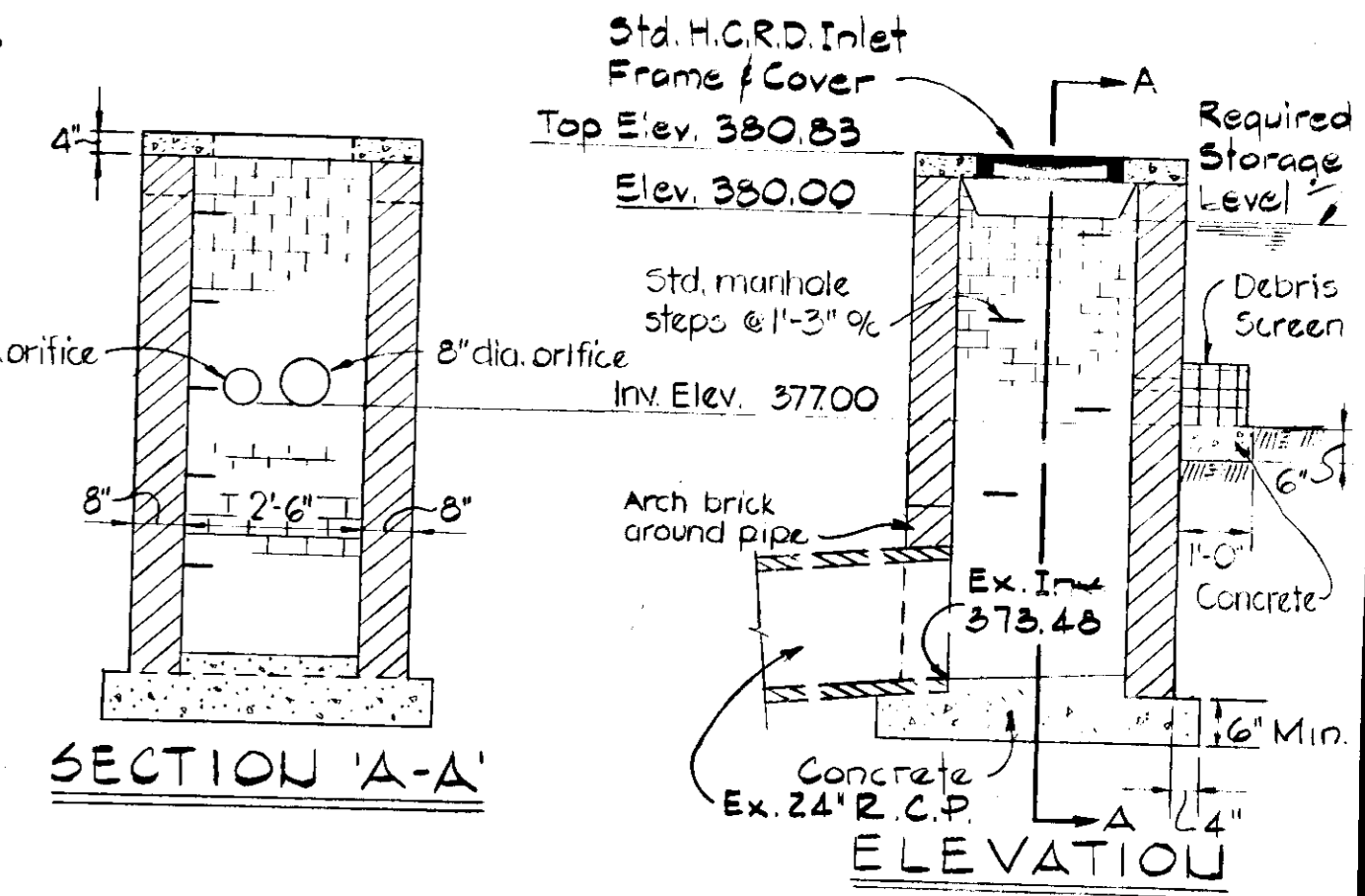
PROFILE RIPRAP OUTLET PROTECTION
No Scale

DIMENSIONS RIPRAP OUTLET PROTECTION		
OUTLET STRUCTURE	L	W
E-1	20'	13.5'
E-2	20'	13.5'
E-3	20'	*

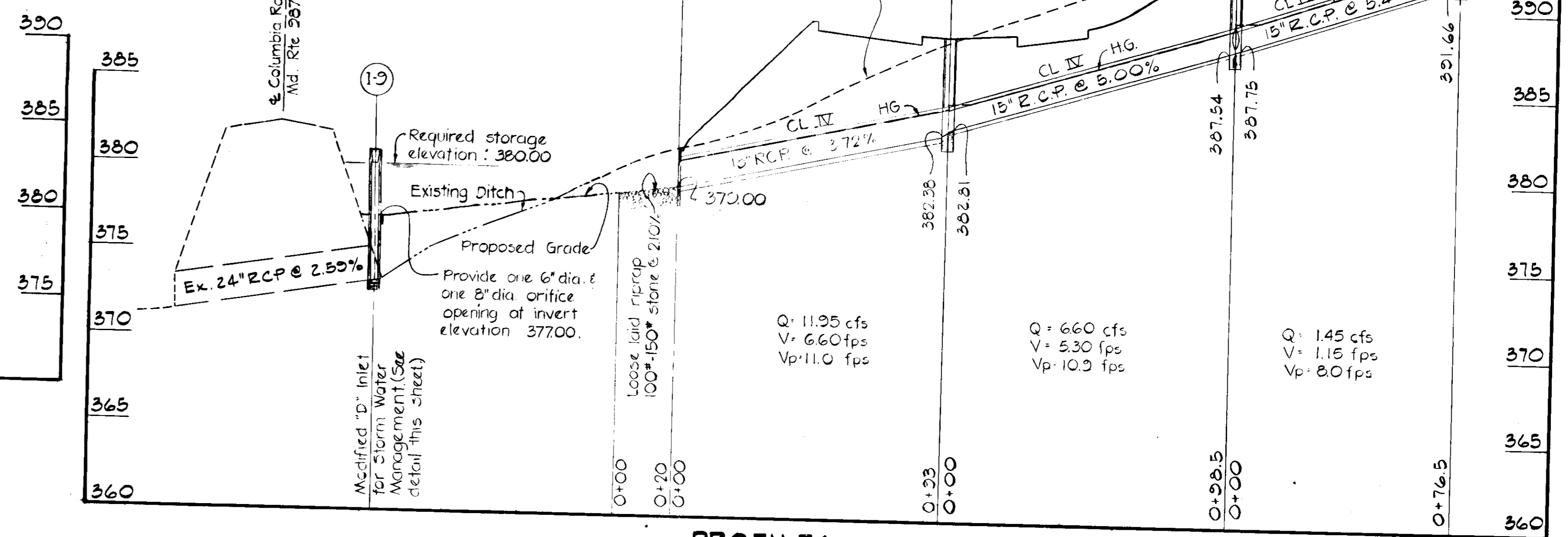
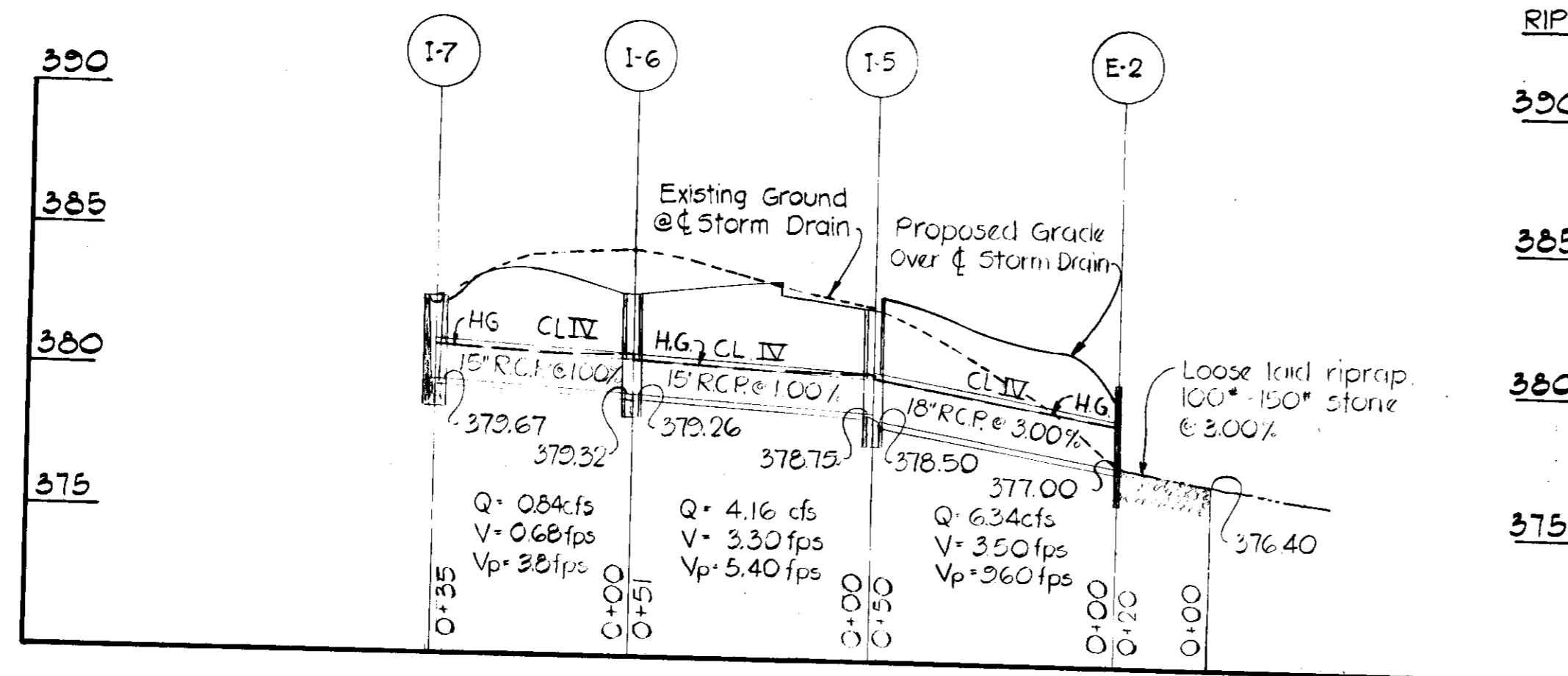
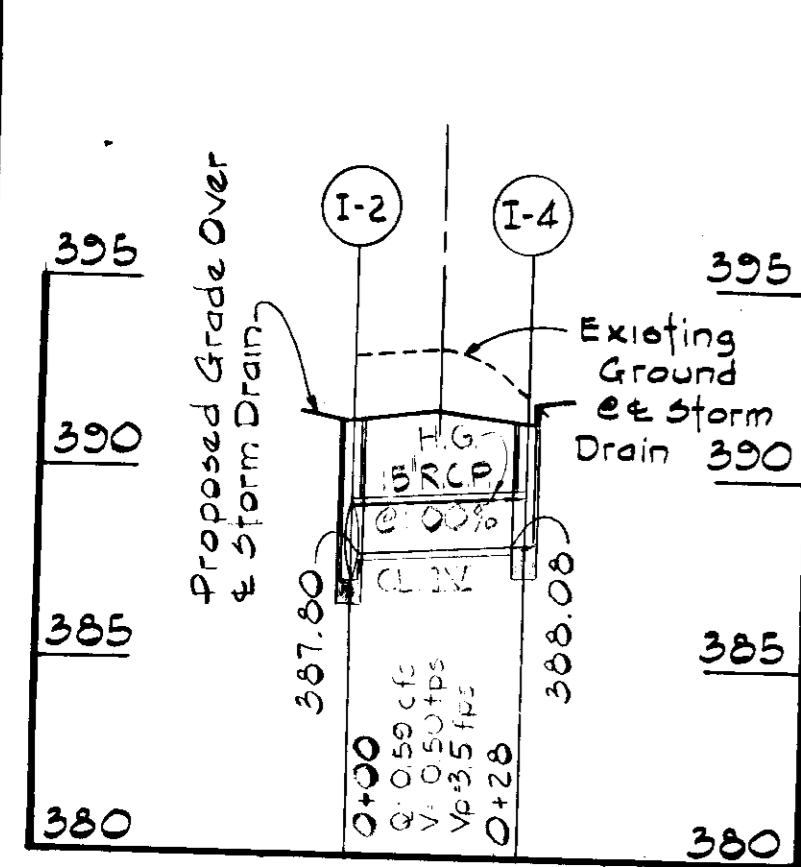
*Riprap outlet protection E-3 to have uniform bottom width of 4.0' & over all width of 13.5'



PLAN - SLAB REMOVED



SECTION 'A-A'



PROFILES
Scale: Horiz. 1"=50'
Vert. 1"=5'

<p>HOWARD SOIL CONSERVATION DISTRICT</p> <p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS</p> <p><i>Michael B. Little</i> 7/14/77 SIGNATURE DATE</p> <p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT</p> <p>APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE 7-14-77</p>	<p>DEVELOPER</p> <p>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.</p> <p><i>Charles G. Weinel, Jr.</i> 12/29/76 SIGNATURE DATE</p>	<p>PROFESSIONAL ENGINEER</p> <p>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.</p> <p><i>Charles G. Weinel, Jr.</i> Dec. 29, 1976 SIGNATURE DATE</p> <p>CAY G. WEINEL, JR. REG. NO. 5182</p>
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<p>APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.</p> <p><i>James M. Brubaker</i> 7-27-77 DIRECTOR DATE</p>	<p>APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.</p> <p><i>Thomas L. Hamilton</i> 7-29-77 PLANNING DIRECTOR DATE</p> <p><i>William H. Hamilton</i> 7-27-77 CHIEF DIVISION OF LAND DEVELOPMENT DATE</p>	<p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.</p> <p><i>James M. Brubaker</i> 7-27-77 COUNTY HEALTH OFFICER DATE</p>
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PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS

1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

<p>DESIGNED: AEL</p> <p>DRAFTED: RAZ</p> <p>CHECKED: RBC</p> <p>SCALE: AS SHOWN</p> <p>DATE: 12/29/76</p>	<p>CATONSVILLE WARD CHAPEL OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY-SAINTS</p> <p>STORM DRAIN PROFILES AND DETAILS Second Election District Howard County, Maryland</p> <p>Tax Map No. 24 Parcel No. 1089 Liber 666 Folio 657</p>	<p>SHEET 3 OF 3</p>
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BRUNING 44-132 23442-1

SDP-77-52