

NORMANDY HEIGHTS
SECTION 4
PLAT BOOK 5/PAGE 48

NORMANDY HEIGHTS
SECTION 2
PLAT BOOK 4/PAGE 01
ZONED R-20

ZONED R-20

DIVISION
HOWARD
DATE 2-25-85

ZONED R-20

± DITCH
R=30'
Δ=75°

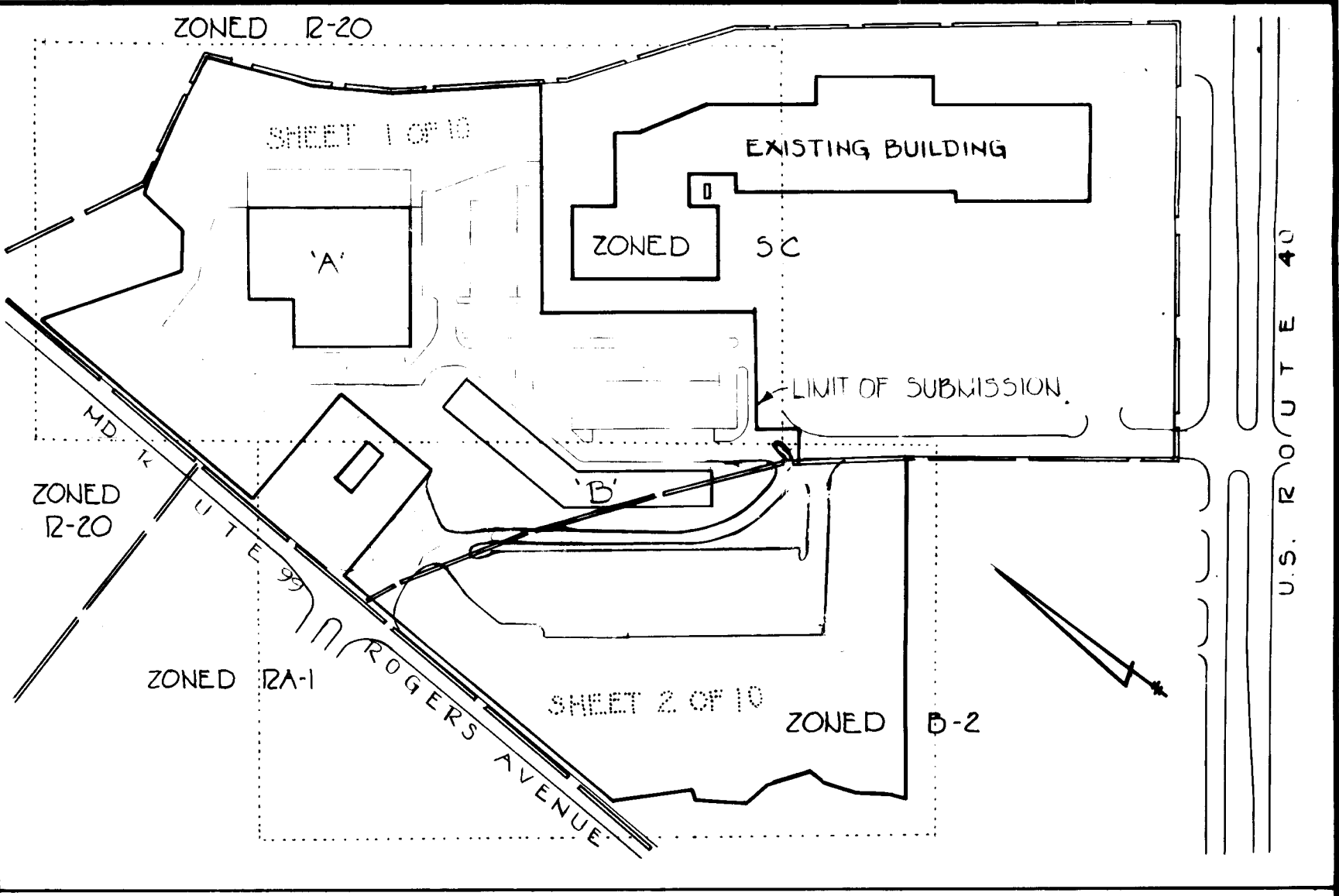
NORMANDY HEIGHTS
SECTION 1
PLAT BOOK 4/PAGE 75

ZONED 5C

PROPERTY OF
JAMES E. SWEETNEY & WIFE
LIBER 214 / FOLIO 62

PROPOSED BUILDING 'A'
F.F. ELEV. 373.50
(37,900 SF)

NOTE:
SEE DETAIL SH 6 OF 9 FOR
STOPPING & WHEEL STOPS AT
HANDICAPPED PARKING SPACES
FOR BLDG 'A'



LOCATION MAP
SCALE 1"=200'

NOTE: Tree, 2 1/2" caliper deciduous tree.

EXISTING SHOPPING CENTER
BUILDING
F.F. ELEV. 379.36

BM 10+1E
ELEV. 374.14
TOP CONC. SIDEWALK
@ CORNER OF BLDG.
N 529,495.716
E 854,289.369

12" V FOIR A SEWER, A
WATER MAIN, FIRE
HYDRANTS & APPUR-
TENANCES 482/204

24 EXIST. SPACES @ 10.5 x 19.0 (SDP 77-15)

LIMIT OF 5 36° 36' 21" E 290.00' SUBMISSION

MD. ROUTE 99 - ROGERS AVENUE
ZONED R-20

PROPERTY OF
JAMES H. SATTERFIELD & WIFE
434/685

PROPERTY OF
PRUDENTIAL INVESTMENT CO.
LIBER 304 / FOLIO 108
ZONED 5C

OWNER/DEVELOPER
PRUDENTIAL INVESTMENT CO.
8 NORMANDY SHOPPING CENTER
8450 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MD. 21043

APPROVED: For Soil Erosion & Sediment Control.
Howard Co. Soil Conservation District
Signature: [Signature] Date: 3/20/85
Reviewed for Howard Conservation District and meets technical requirements
Signature: [Signature] Date: 3/20/85

STORM WATER MANAGEMENT
STRUCTURE No 1

| ADDRESS CHART | | SUBDIVISION NAME: NORMANDY SHOPPING CENTER | | SECT./AREA PHASE II | LOT/PARCEL # PARCEL 75 |
|---------------|--|--|---------|---------------------|------------------------|
| Lot A | 8470 Baltimore National Pike (US Rte 40) | PLAT OR L/F | BLOCK # | ZONE | TAX/ZONE MAP |
| Lot B | 8480 | 504/106 | 19 | 5C | 18 |
| | | WATER CODE: | | SEWER CODE: | |

Revised 9-21-84

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1823 North Calvert Street
Baltimore, Maryland 21282 301/837-0184

APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads, Howard County, Dept. of Public Works
Signature: [Signature] Date: 3-25-85
Director

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
Signature: [Signature] Date: 3/20/85
County Health Officer

APPROVED: Howard Co. Office of Planning & Zoning
Signature: [Signature] Date: 3/22/85
Chief, Division of Land Development and Zoning Administration

DEVELOPER'S CERTIFICATION
I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction process will have a certificate of attendance of the Dept. of Natural Resources Training program for the control of soil erosion before beginning this project.
Signature: [Signature] Date: 3/22/85

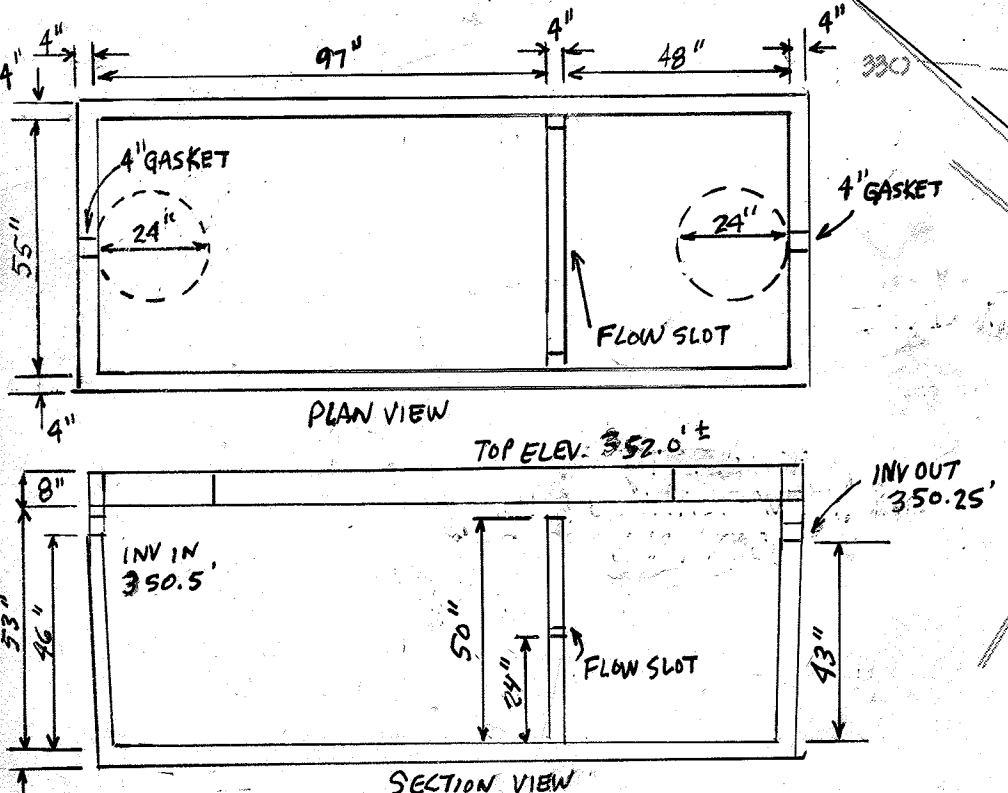
ENGINEER'S CERTIFICATION
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Signature: [Signature] Date: 3/20/85

NORMANDY SHOPPING CENTER (PHASE II)
SITE DEVELOPMENT PLAN
2nd Election District
Tax Map Nos. 17 & 18
Scale: 1"=30'
Howard County, Md.
Parcel Nos. 75:155
Date: 9-29-80
Designed by: D.E.
Drawn by: J.R.D.
Checked by: D.E.

NOTES

- DRAWING AND PAGE NUMBERS SHOWN HEREON ARE REFERENCED TO THE HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE BASED ON THE LATEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL HOWEVER, DETERMINE THE EXACT LOCATION BEFORE MAKING CONNECTIONS.
- THE CONTRACTOR SHALL NOTIFY 'MISS UTILITY' AT LEAST THREE DAYS PRIOR TO BEGINNING ANY WORK SHOWN HEREON.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION UNLESS OTHERWISE SPECIFIED.
- HANDICAPPED FACILITIES TO BE PROVIDED
- ALL ROADS & DRIVEWAYS WITHIN THE LIMITS OF SUBMISSION ARE PRIVATE ROADWAYS.
- ALL NEW WATER MAINS (EXCEPT WATER HOUSE CONNECTIONS) ARE TO BE PUBLIC WATER MAINS CONSTRUCTED UNDER CONTRACT NO.
- HANDICAPPED PARKING SPACE SIGN, USE R7-8, PAGE 2B-24 OF M.D. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, HEIGHT OF SIGN 6' FROM GROUND

GREASE TANK SPEC.
BLACK RIVER PRE-CAST LLC
1500 GALLON TANK (NON TRAFFIC)
2-COMPARTMENT



SITE ANALYSIS

- TOTAL AREA OF SITE 13.869 AC.±
- PRESENT ZONING: 5C 8.010 AC.±
B2 5.859 AC.±
- TOTAL AREA DISTURBED 9.718 AC.±
- TOTAL AREA PAVED 24,386 S.F.
- LOT COVERAGE - STRUCTURES 9.5 %
- OPEN SPACE 45.8 %
- PAVING ANALYSIS:
NO. OF EXIST. PARKING SPACES (SDP 77-1B & SDP 79-140) 606
NO. OF SPACES TO REMAIN 456
NEW SPACES PROVIDED (INCLUDING 12 HANDICAPPED SPACES) 404
TOTAL PARKING SPACES PROVIDED 860
PARKING REQUIREMENTS:
TOTAL EXISTING BUSINESS AREA (SDP 79-140) 77,355 S.F.
NEW CONSTRUCTION: BUILDING 'A' 36,000 S.F.
(NET BUSINESS AREA) BUILDING 'B': UPPER FLOOR-RETAIL - 18,570 S.F.
LOWER FLOOR-OFFICES - 19,550 S.F.
TOTAL BUSINESS AREA 132,105 S.F.
SPACES REQ'D @ 1 SPACE / 200 S.F. 660
TOTAL OFFICE AREA 19,550 S.F.
SPACES REQ'D @ 7 SPACES / EACH 10 PERSONS 60
AREA OF LANDSCAPED ISLANDS WITHIN PROPOSED PARKING LOTS 1,836 S.F.
LANDSCAPED ISLAND - PERCENT OF TOTAL PAVED AREA 7.4 %

PARKING AREA LIGHTING FIXTURES

- TYPE 'A': 4-250 W LUCALUX FIXTURES ON 20' SPUN ALUMINUM POLE.
 - TYPE 'B': 2-250 W LUCALUX FIXTURES ON 20' SPUN ALUMINUM POLES.
- OTHER EXTERIOR LIGHTING WILL CONSIST OF BUILDING MOUNTED FIXTURES FOR STORE FRONT ILLUMINATION AND BUILDING MOUNTED SECURITY LIGHTING FOR PAVED AREAS NORTH OF BUILDING 'A'
- EXTERIOR LIGHTING SHALL BE REFLECTED/DIRECTED AWAY FROM ADJACENT RESIDENTIALLY ZONED PROPERTIES AND PUBLIC RIGHTS-OF-WAY.

APPROVED: For Soil Erosion & Sediment Control.
Howard Co. Soil Conservation District
Stephen J. Decker 3/20/85
Signature Date
Reviewed for Howard Conservation District and meets technical requirements.
James M. Mott 3-20-85
Signature Date

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-25-85
M. J. Mott

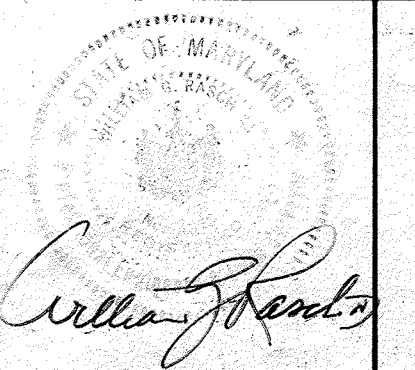
APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads, Howard County, Dept. of Public Works
William C. Neumy 3-25-85
Director Date
James E. Jones 3/24/85
Chief, Bureau of Engineering Date

APPROVED: For Public Water and Public Sewerage Systems.
Howard County Health Department
James M. Bond 3/28/85
County Health Officer Date

APPROVED: Howard Co. Office of Planning & Zoning
John M. Mott 3-28-85
Chief, Division of Land Development and Zoning Administration Date
William C. Neumy 3-28-85
Planning Director Date

DEVELOPER'S CERTIFICATION
I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of any sediment erosion before beginning the project.
James E. Jones
By: James E. Jones, President

ENGINEER'S CERTIFICATION
I certify that this plan of erosion and sediment control represents a practical and verifiable 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 G. Rasch II 9/28/80
WILLIAM G. RASCH II DATE

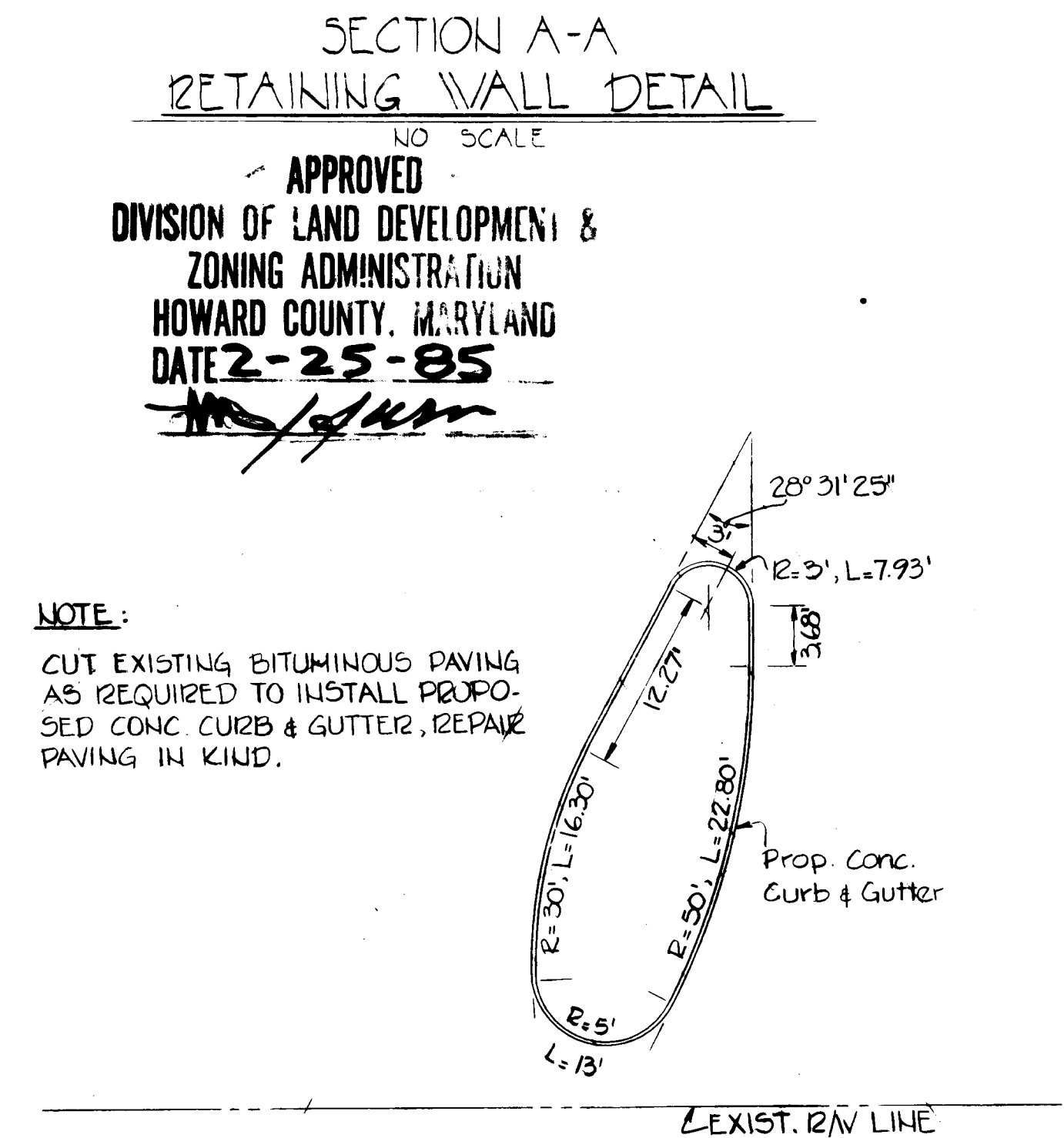
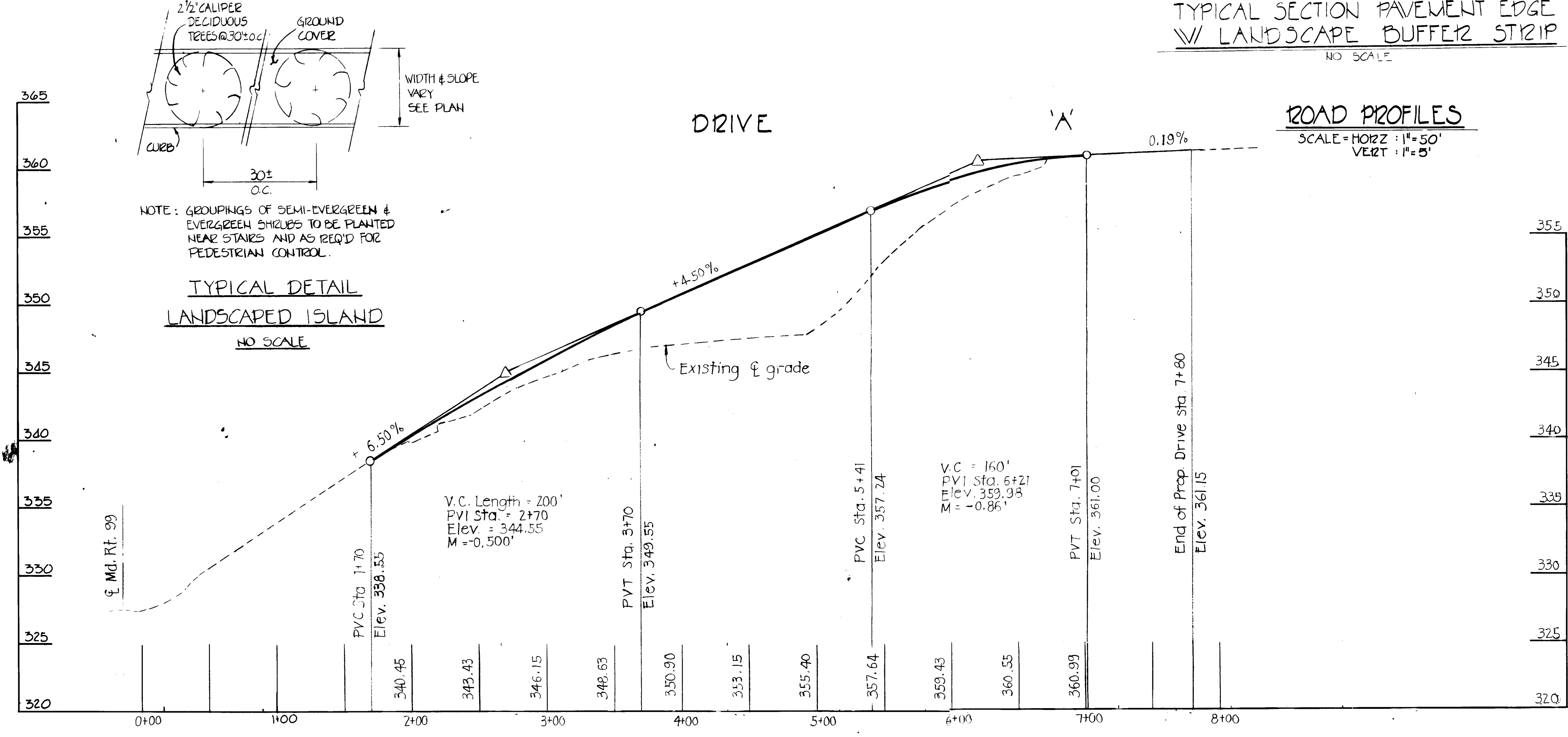
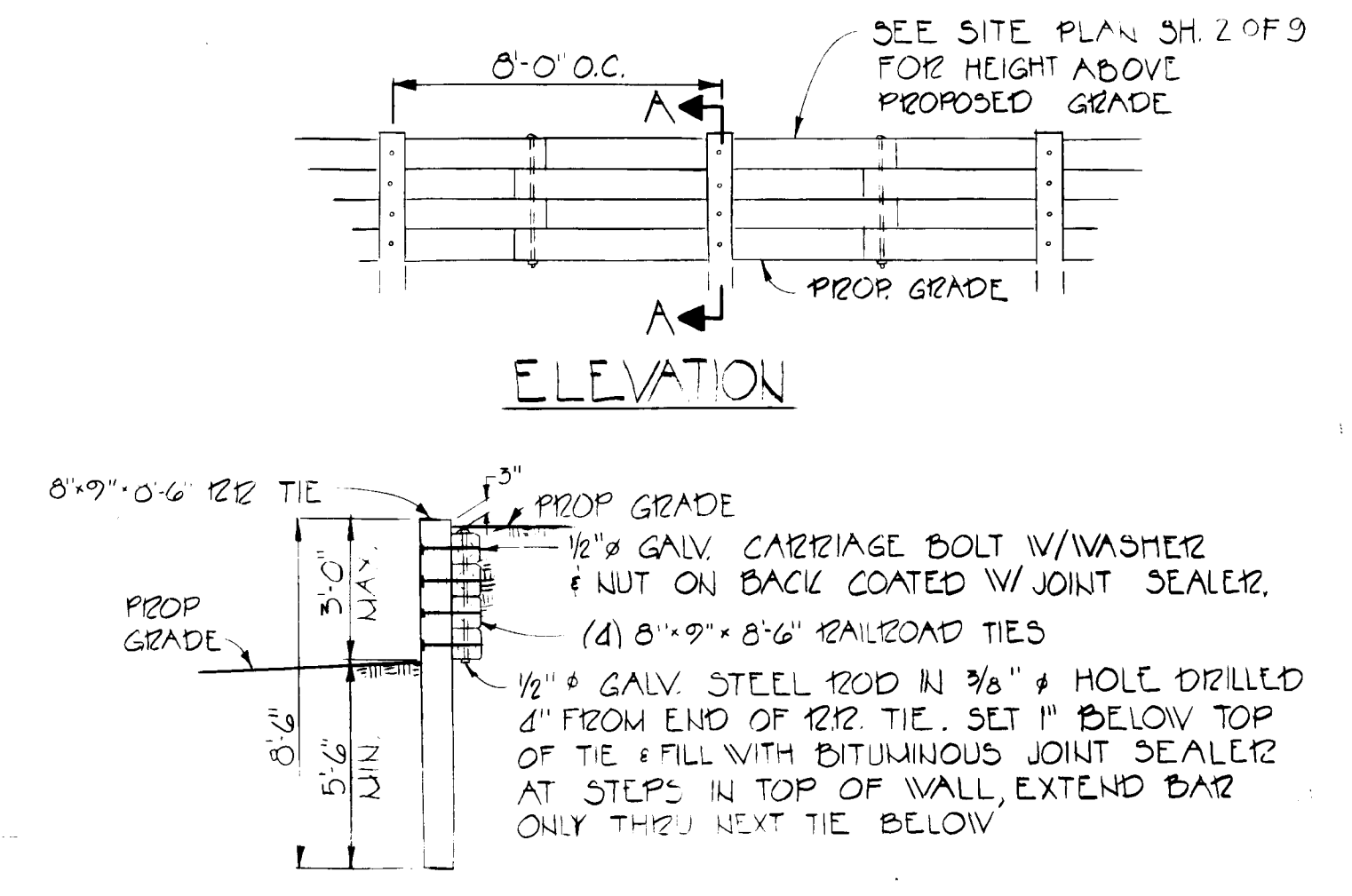
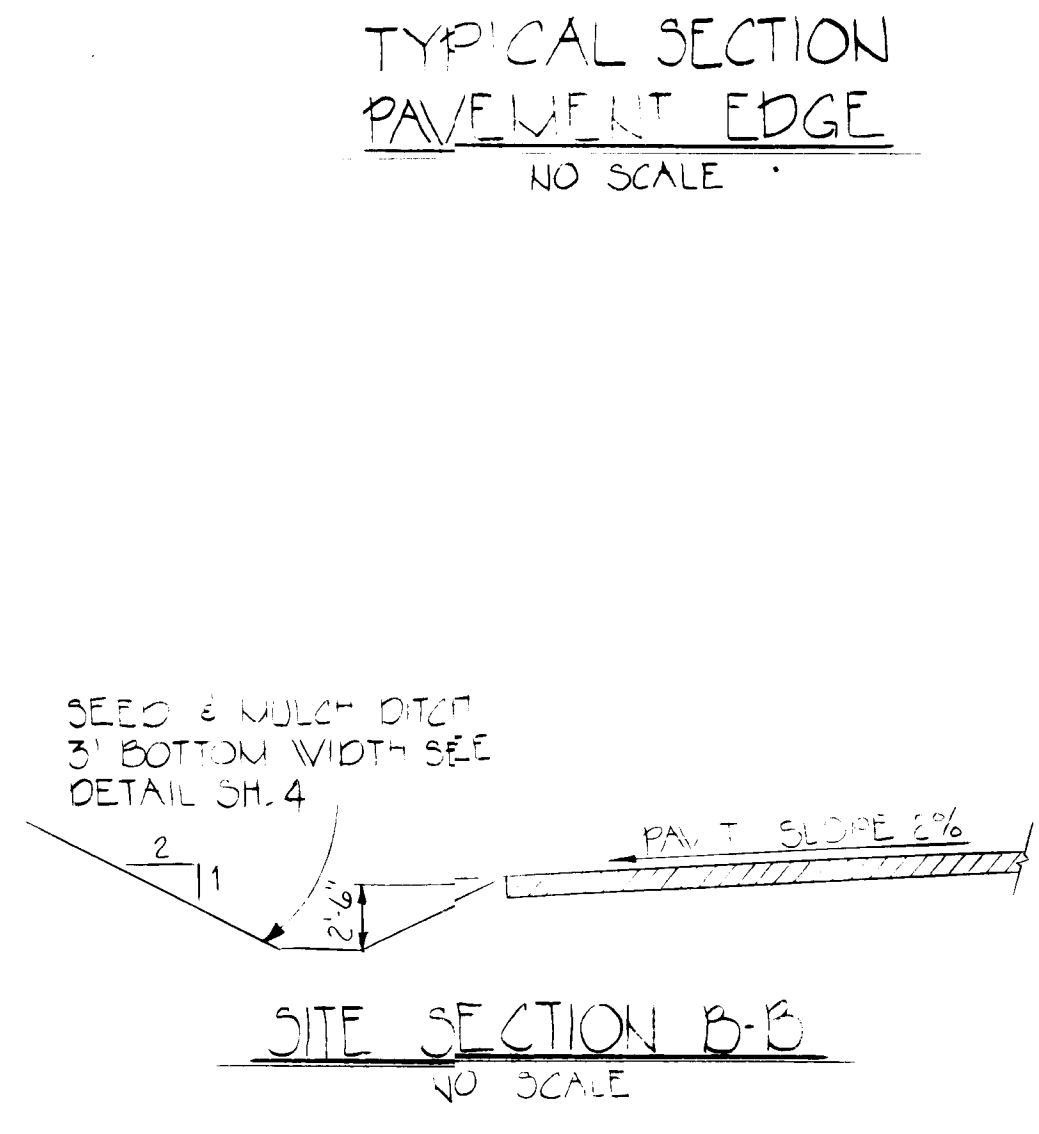
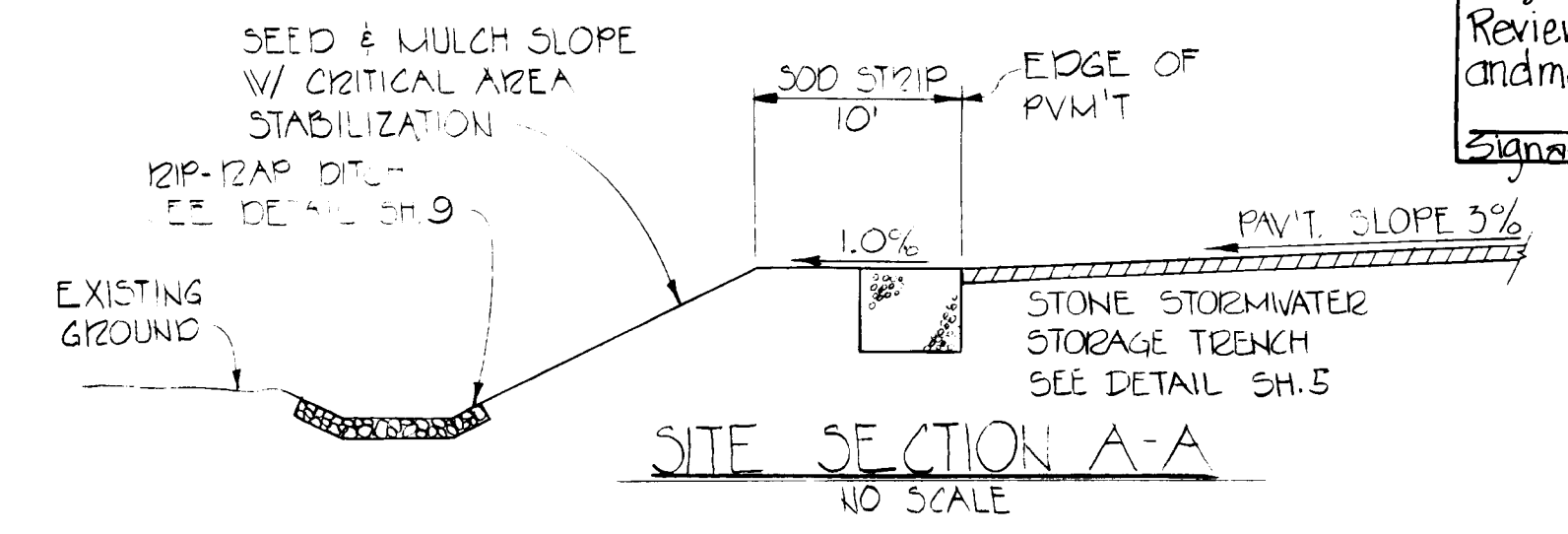
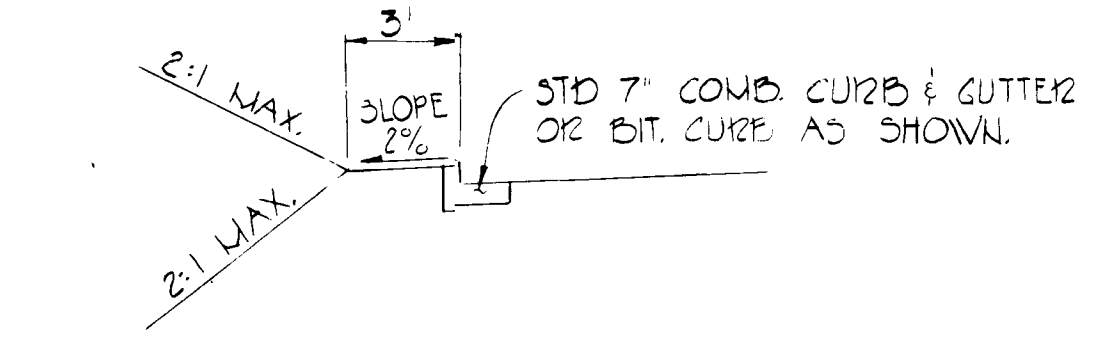
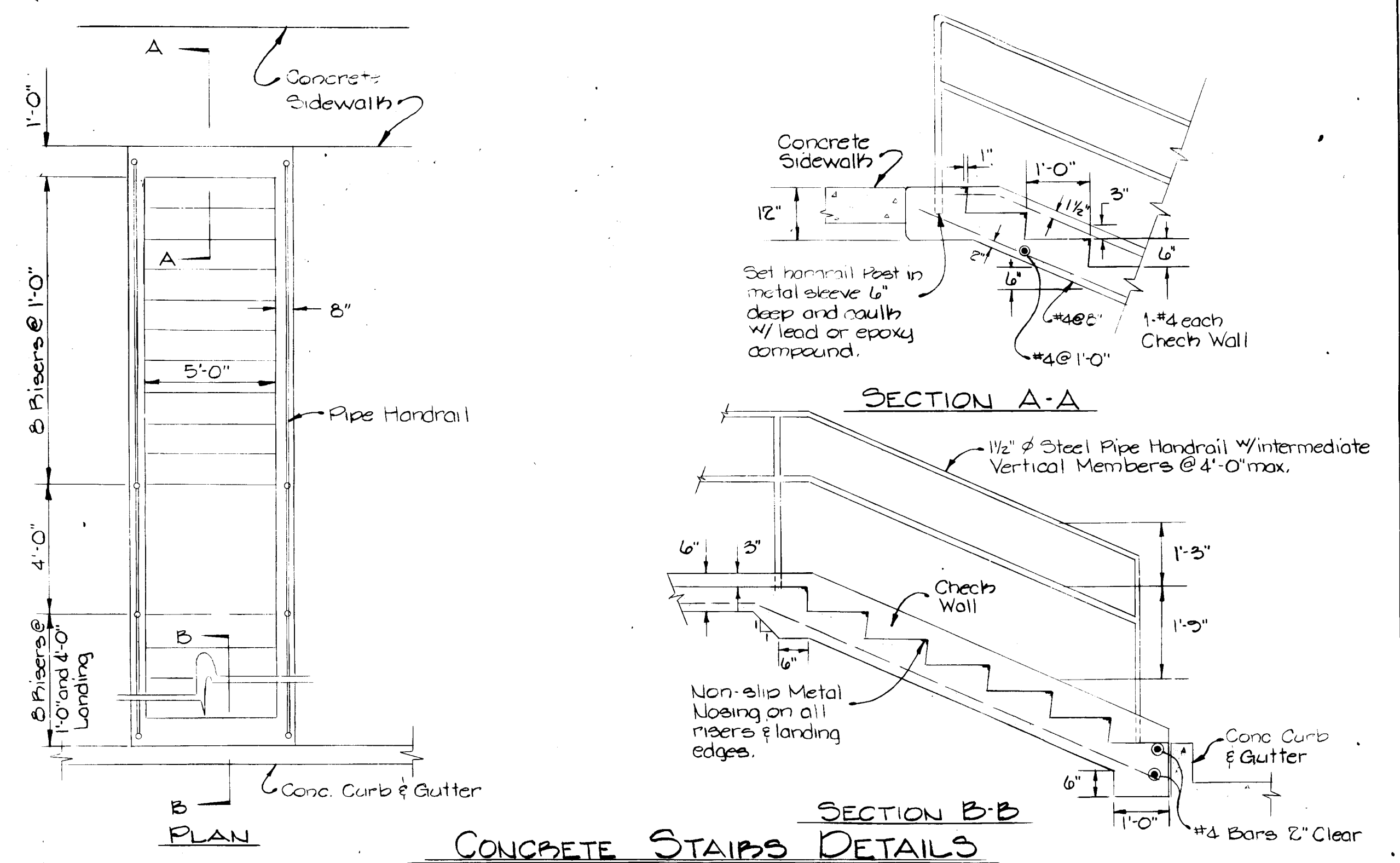


NORMANDY SHOPPING CENTER (PHASE II)
SITE DEVELOPMENT PLAN
2nd Election District
Tax Map Nos. 17 I B
Scale: 1"=30'
Howard County, Md.
Parcel Nos. 75 I 155
Date: 9-29-80
Designed: B.E.
Drawn by: SJB
Checked by: B.E.

SHEET 2 OF 9
General Revisions 11/9/81
Convert to Md. State Coord. Grid - revise per Ho.Co. Cmts. 3/3/81
SDP-84-297

BRUNING AVE 1M32

APPROVED: For Soil Erosion & Sediment Control.
 Howard Co. Soil Conservation District
 Signature: *Stephen J. Fulu* Date: 3/28/85
 Reviewed for Howard Conservation District and meets technical requirements.
 Signature: _____ Date: _____



PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads
 Howard Co. Dept. of Public Works
 Director: *William F. Nalley* Date: 3-25-85

APPROVED: For Public Water and Public Sewerage Systems.
 Howard County Health Department
 Director: *John M. Howard* Date: 3/28/85

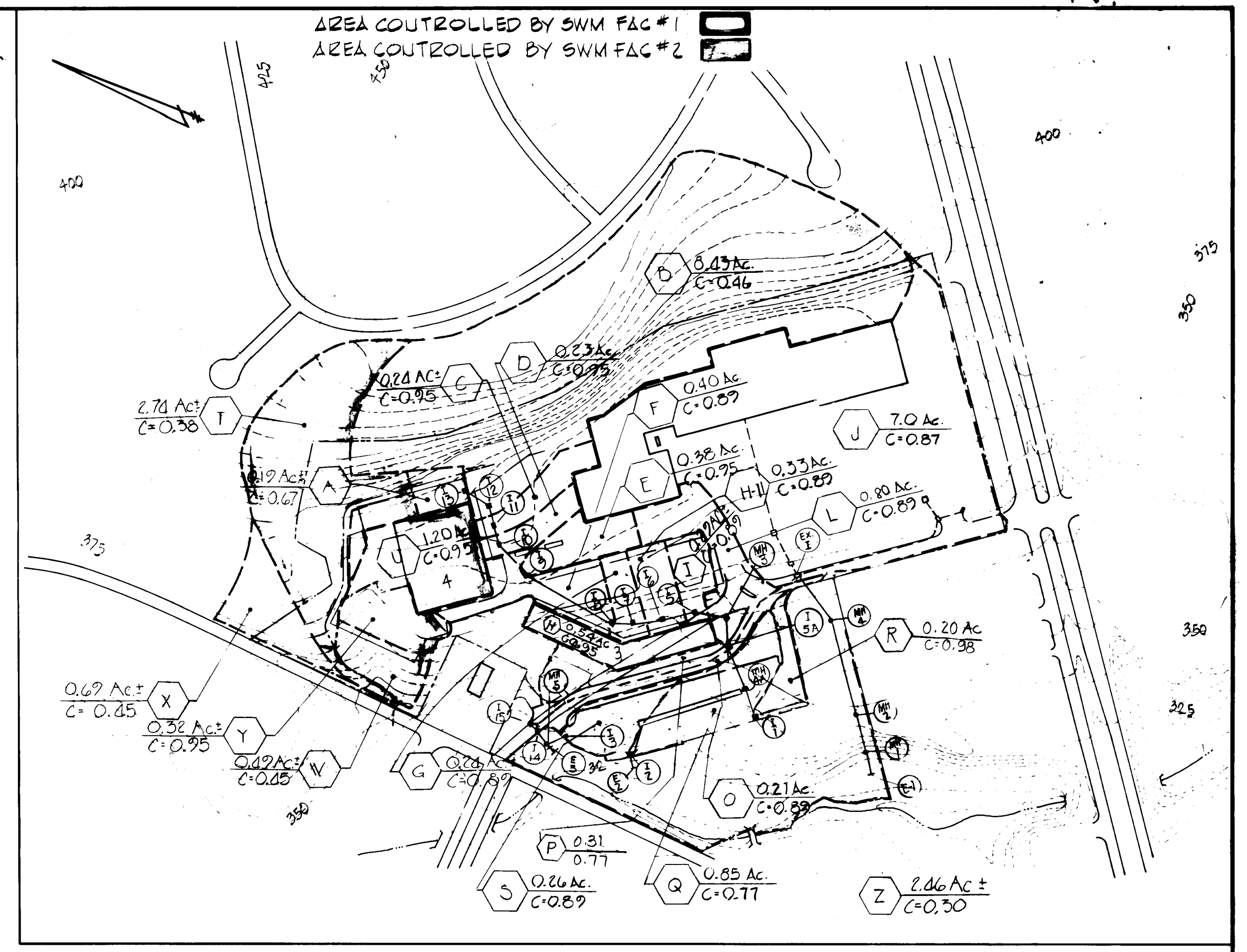
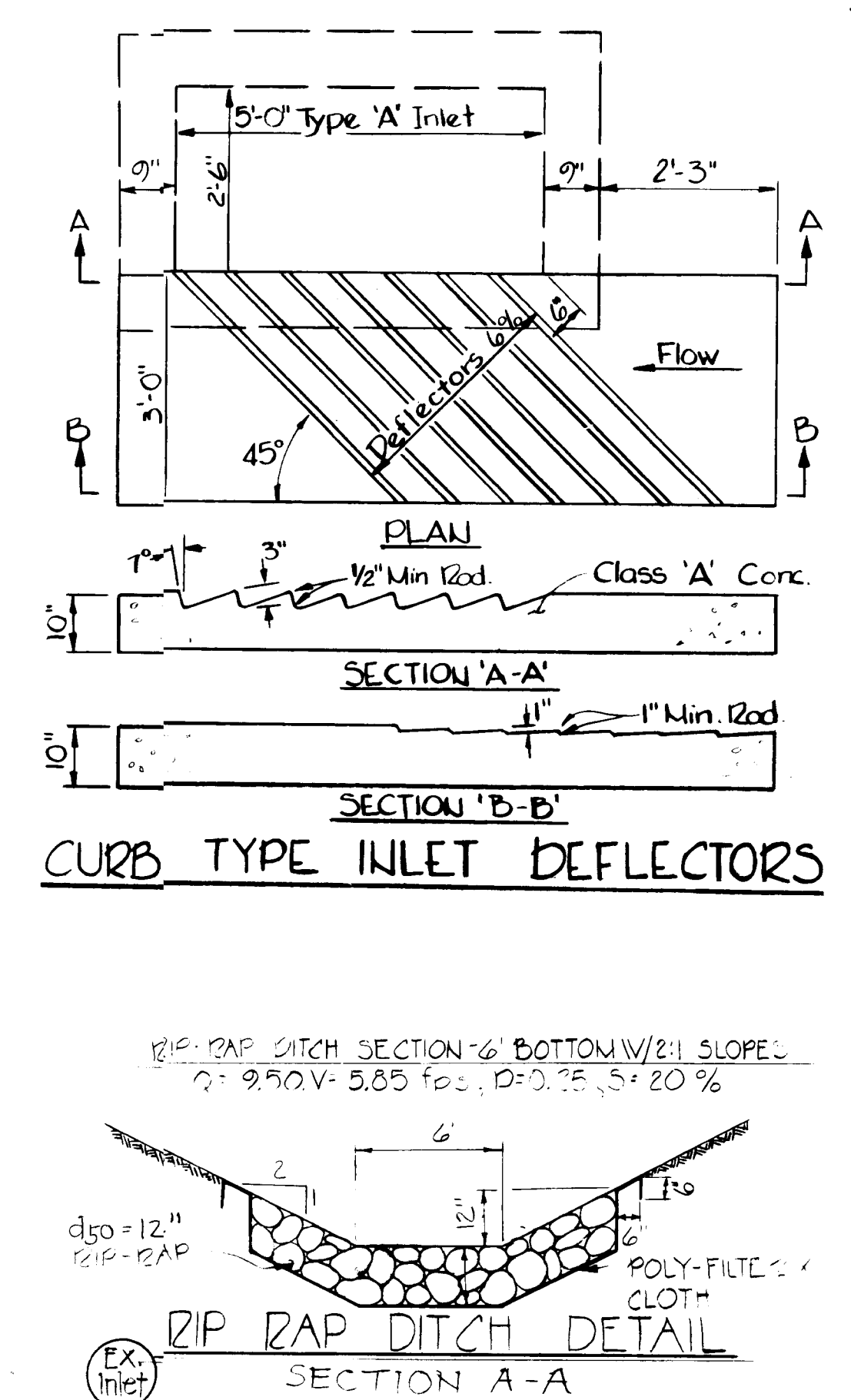
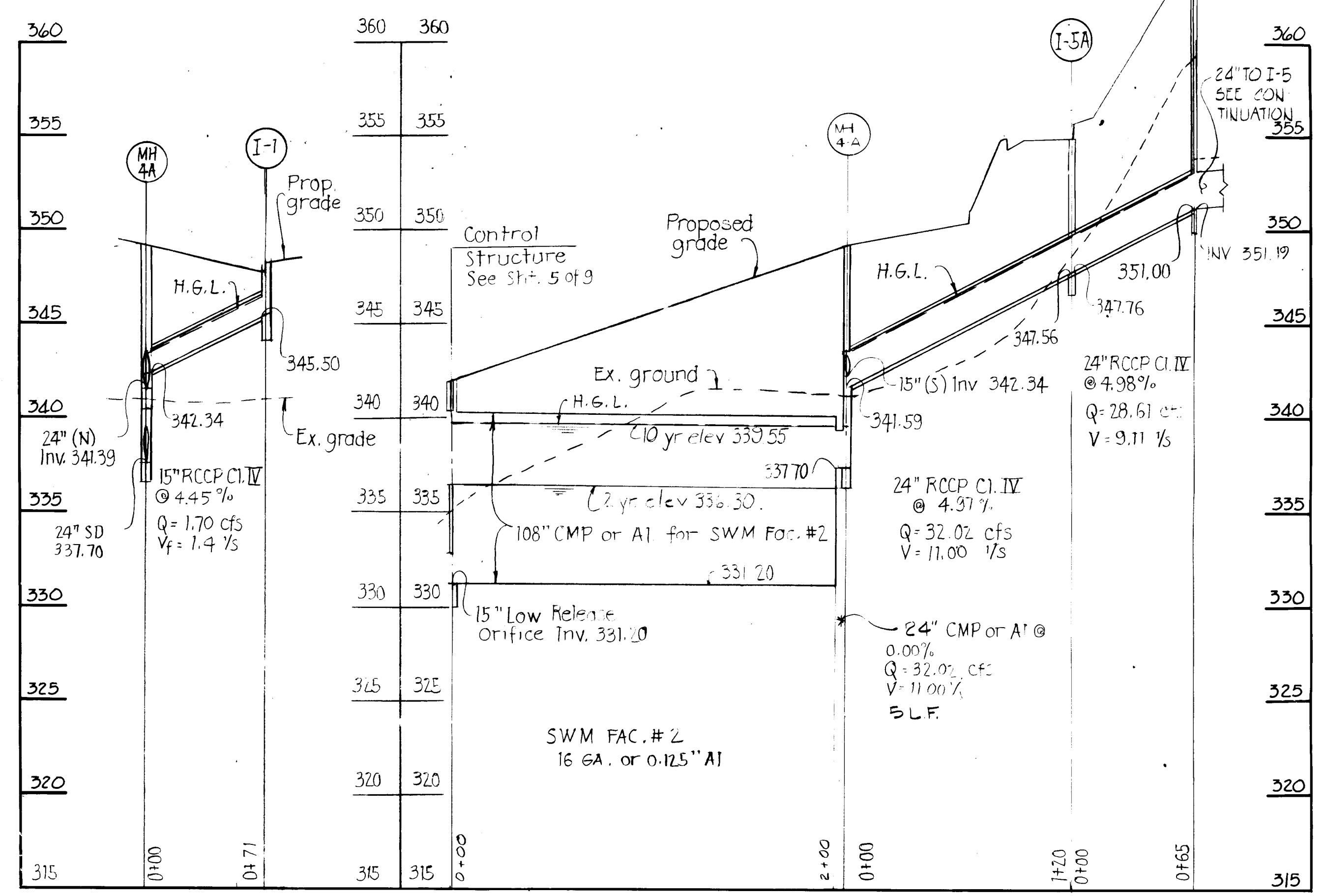
APPROVED: Howard Co. Office of Planning & Zoning
 Chief, Division of Land Development and Zoning Administration
 Director: *James M. Harris* Date: 3-28-85

DEVELOPER'S CERTIFICATION
 I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of any sedimentation before beginning the project.
 By: *William B. March II* Date: 9/20/80

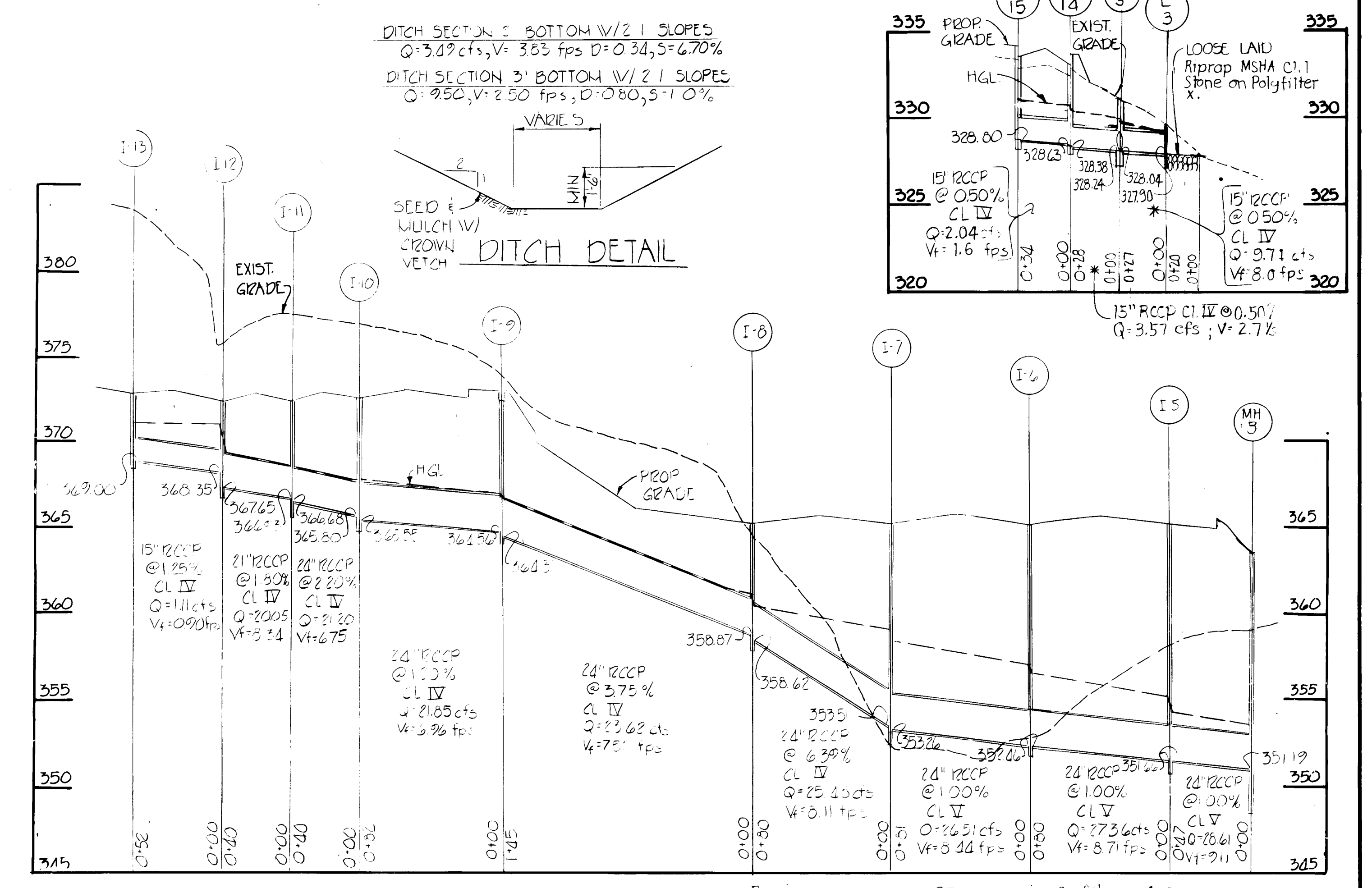
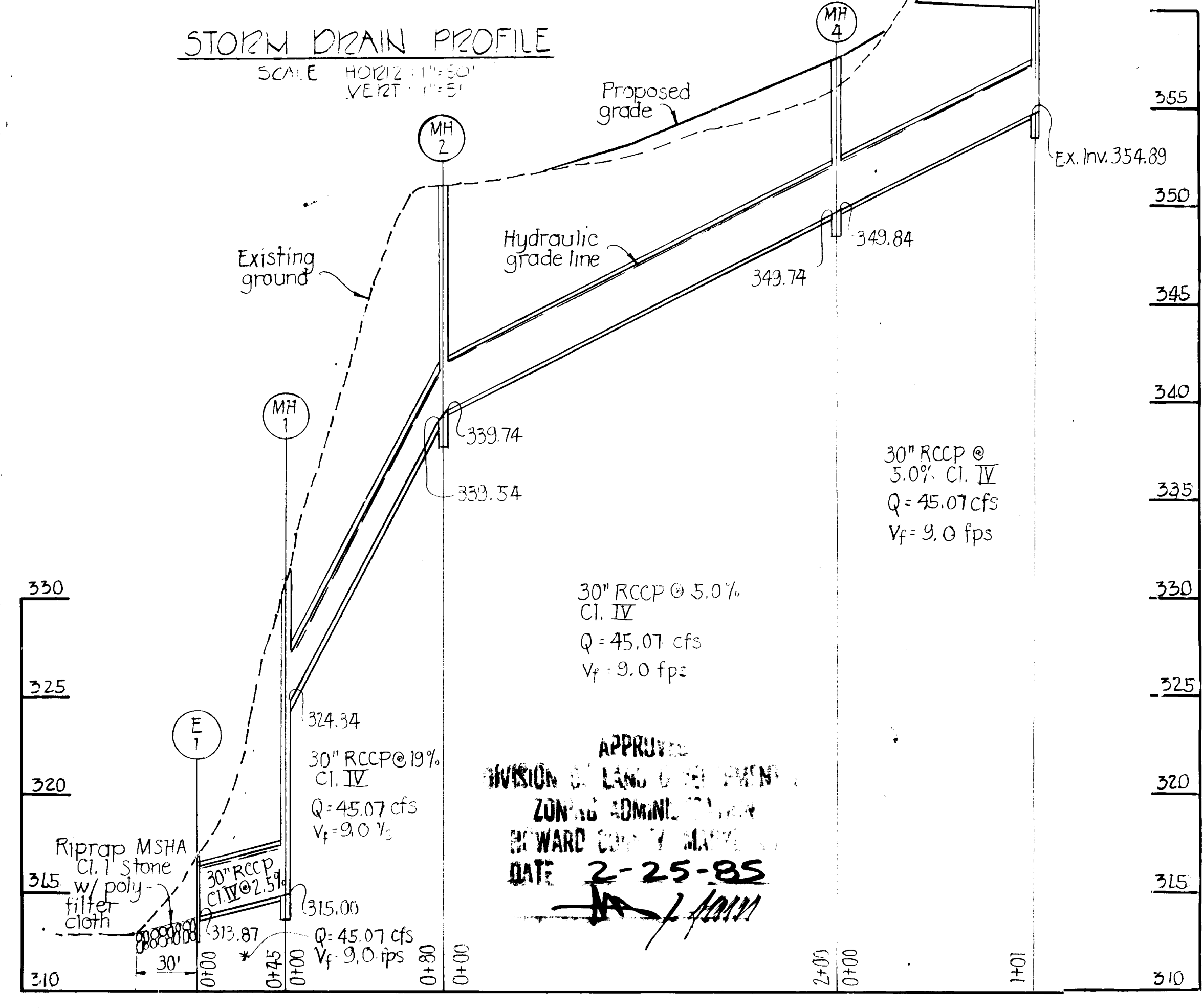
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 I certify that this plan of erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 By: *William B. March II* Date: 9/20/80

NORMANDY SHOPPING CENTER (PHASE II)
 PAVING PROFILES AND DETAILS
 2nd Election District Howard County, Md.
 Tax. Map Nos. 17 & 18 Parcel Nos. 75 & 155
 Scale: AS SHOWN Date: 9-29-80
 SHEET 3 OF 9
 General Revisions 1/5/81
 Revise per Ho. Co. Cmtes. 3/3/81
 Designed: BE
 Drawn by: DJB
 Checked by: P.E.

SDP-84-297



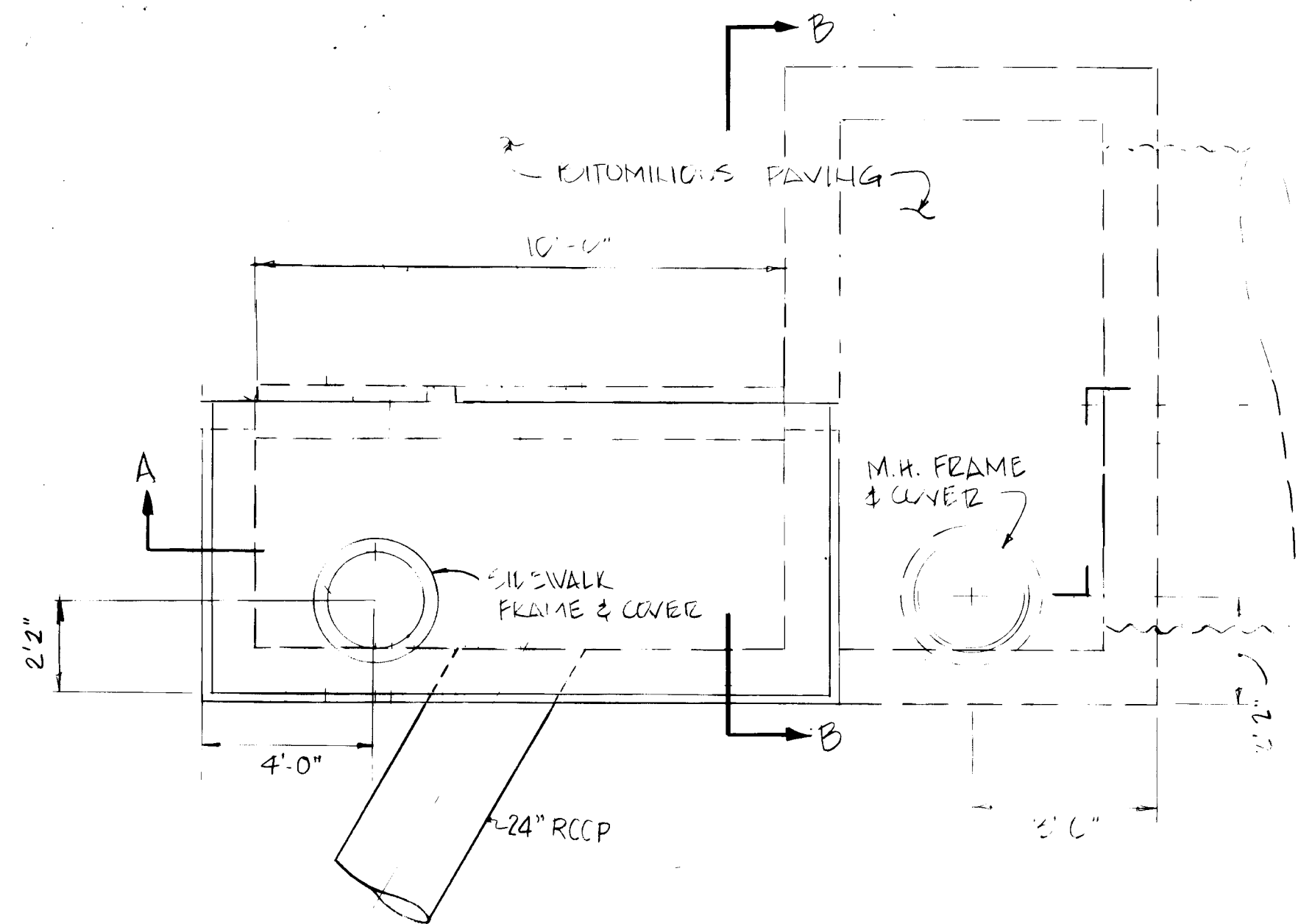
| STRUCT. | TYPE | TOP | INV. IN | INV. OUT | STD. NO. |
|---------|---------|--------|---------|----------|----------|
| E-1 | C | | 313.87 | 313.87 | SD-5.21 |
| M-1 | Precast | 331.00 | 324.34 | 315.00 | G-5.11 |
| I-1 | A-5 | 348.00 | - | 345.50 | SD-4.01 |
| M-2 | Precast | 351.00 | 332.74 | 333.54 | G-5.11 |
| I-5A | A-10* | 355.67 | 347.76 | 347.56 | SD-4.02 |
| E-2 | C | | 320.91 | 320.91 | SD-5.21 |
| I-2 | A-5 | 339.60 | 324.31 | 323.06 | SD-4.01 |
| I-3 | A-10 | 335.67 | 330.30 | 330.30 | SD-4.01 |
| M-4A | Precast | 342.25 | 341.50 | 337.70 | G-5.11 |
| M-3 | Precast | 363.80 | 351.19 | 351.00 | G-5.11 |
| I-5 | S | 365.15 | 351.66 | 351.66 | SD-4.22 |
| I-6 | S | 365.15 | 352.46 | 352.46 | SD-4.22 |
| I-7 | S | 365.15 | 353.51 | 353.26 | SD-4.22 |
| I-8 | S | 365.15 | 358.67 | 358.62 | SD-4.22 |
| I-9 | A-5 | 372.40 | 364.56 | 364.71 | SD-4.01 |
| I-10 | S | 372.40 | 365.60 | 365.55 | SD-4.22 |
| I-11 | S | 372.40 | 366.93 | 366.65 | SD-4.22 |
| I-12 | S | 372.40 | 369.35 | 367.65 | SD-4.22 |
| I-13 | S | 372.40 | 369.00 | 369.00 | SD-4.22 |
| M-4 | Precast | 357.80 | 343.84 | 343.74 | G-5.11 |
| M-5 | Precast | 351.80 | 328.24 | 328.04 | G-5.11 |
| E-3 | C | | 327.00 | 327.00 | SD-5.21 |
| I-14 | A-10* | 333.63 | 323.63 | 323.38 | SD-4.01 |
| I-15 | A-10* | 333.60 | 323.60 | 323.40 | SD-4.02 |



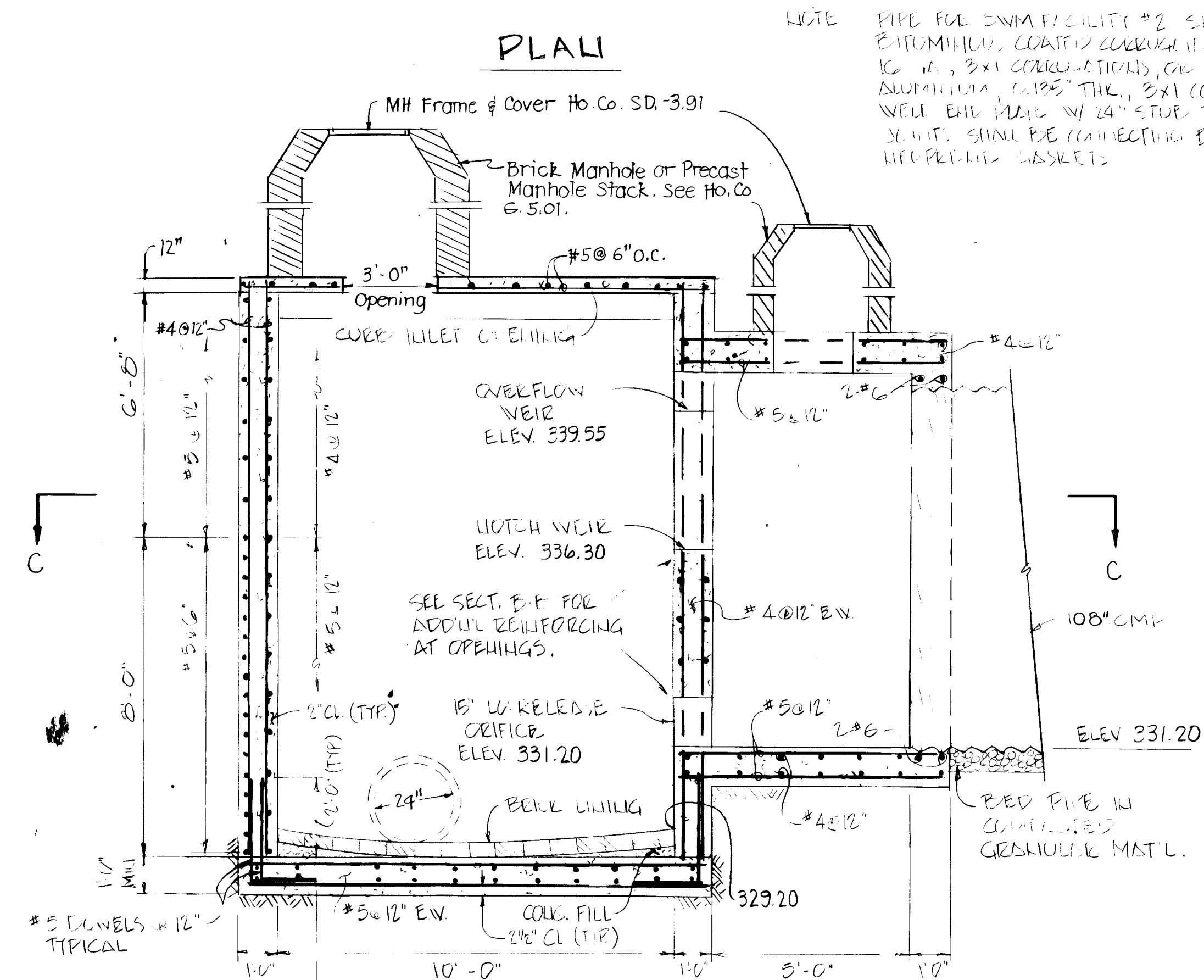
APPROVED: For Soil Erosion & Sediment Control.
 Howard Co. Soil Conservation District
 Signature: *Stacy A. Hall* Date: 3/20/85
 Reviewed for Howard Conservation District and meets technical requirements.
 Signature: *James M. Hall* Date: 3-20-85

APPROVED:
 DIVISION OF LAND USE PLANNING
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 2-25-85
 Signature: *J. Adams*

| | | | | | | | |
|---|--|--|---|--|--|--|---|
| PURDUM & JESCHKE CONSULTING ENGINEERS LAND SURVEYORS 1023 North Calvert Street Baltimore, Maryland 21202 301/837-0194 | APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads Howard Co. Dept. of Public Works Signature: <i>W. E. Adams</i> Date: 3-20-85 Chief, Bureau of Engineering | APPROVED: For Public Water and Public Sewerage Systems. Howard County Health Department Signature: <i>W. E. Adams</i> Date: 3/20/85 County Health Officer | APPROVED: Howard Co. Office of Planning & Zoning Signature: <i>W. E. Adams</i> Date: 3-28-85 Chief, Division of Land Development and Zoning Administration | DEVELOPER'S CERTIFICATION I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of soil erosion before beginning the project. | ENGINEER'S CERTIFICATION I certify that this plan of 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. | NORMANDY SHOPPING CENTER (PHASE II) DRAINAGE AREA MAP - STORM DRAIN PROFILES 2nd Election District Tax. Map No. 17:18 Scale: AS SHOWN | SHEET 4 OF 9 General Revisions 1/3/01 Revised per Ho. Co. Comts. 3/20/85 11/20/81 Designed: J.A.J./D.E. Drawn by: J.C.D. Checked by: B.E. |
| | Revision - 6-7-85 - Storm Drain Profiles - A/T Revised 9-21-84 SDP-84-297 | | | | | | |

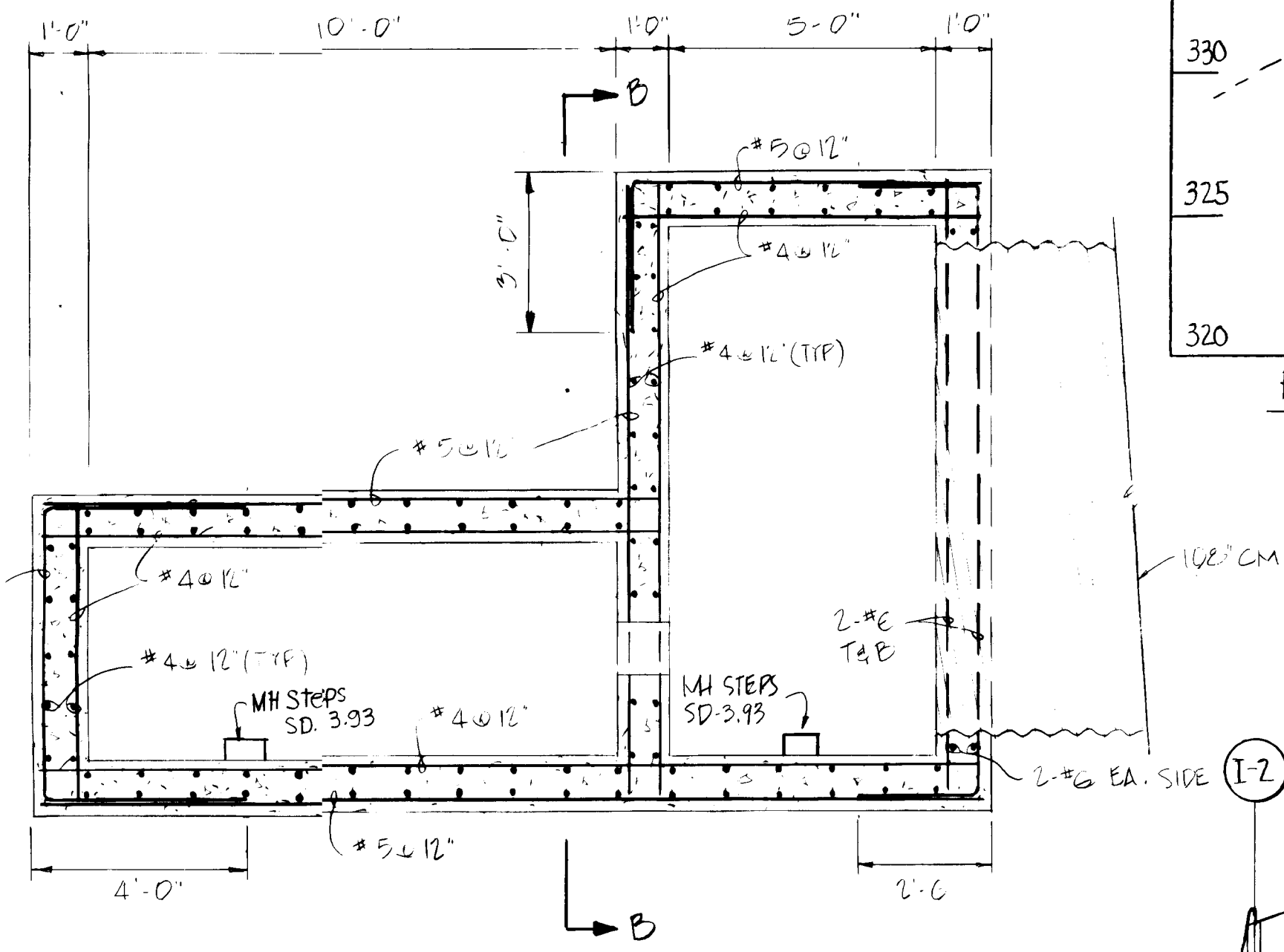


PLAN



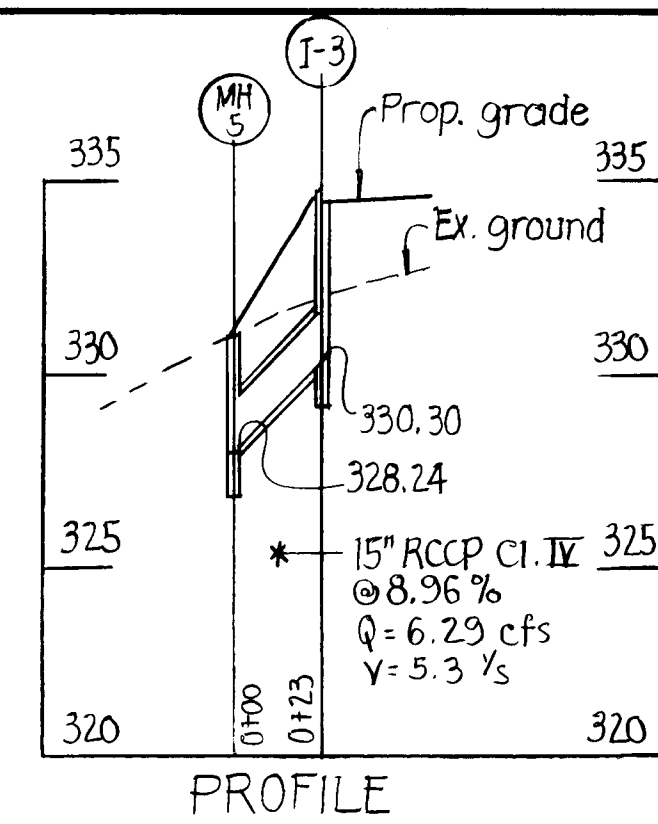
SECTION 'A - A'

NOTE: PIPE FOR SWM FACILITY #2 SHALL BE BITUMINOUS COATED CORRUGATED IRON STEEL, 10" DIA., 3X1 CORRUGATIONS, OR EQUIVALENT ALUMINUM, 0.035" THK., 3X1 CORRUGATIONS. WELL END SHALL BE 14" STUP TO INLET END. JOINTS SHALL BE CONNECTING BANDS W/ HITE PREPARED WASHERS.

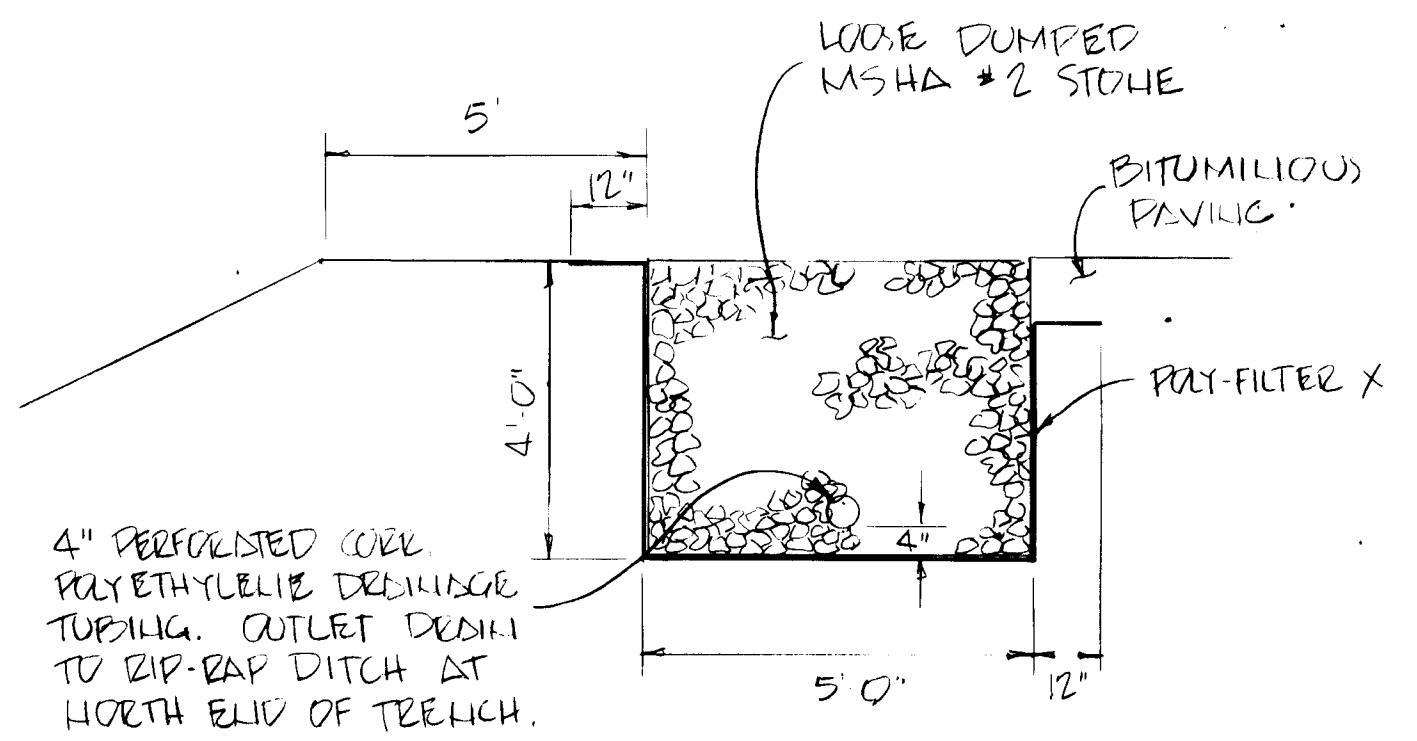


SECTION 'C - C'

NOTE: SEE SECTION A-A FOR VARIATION IN WALL REINFORCEMENT.

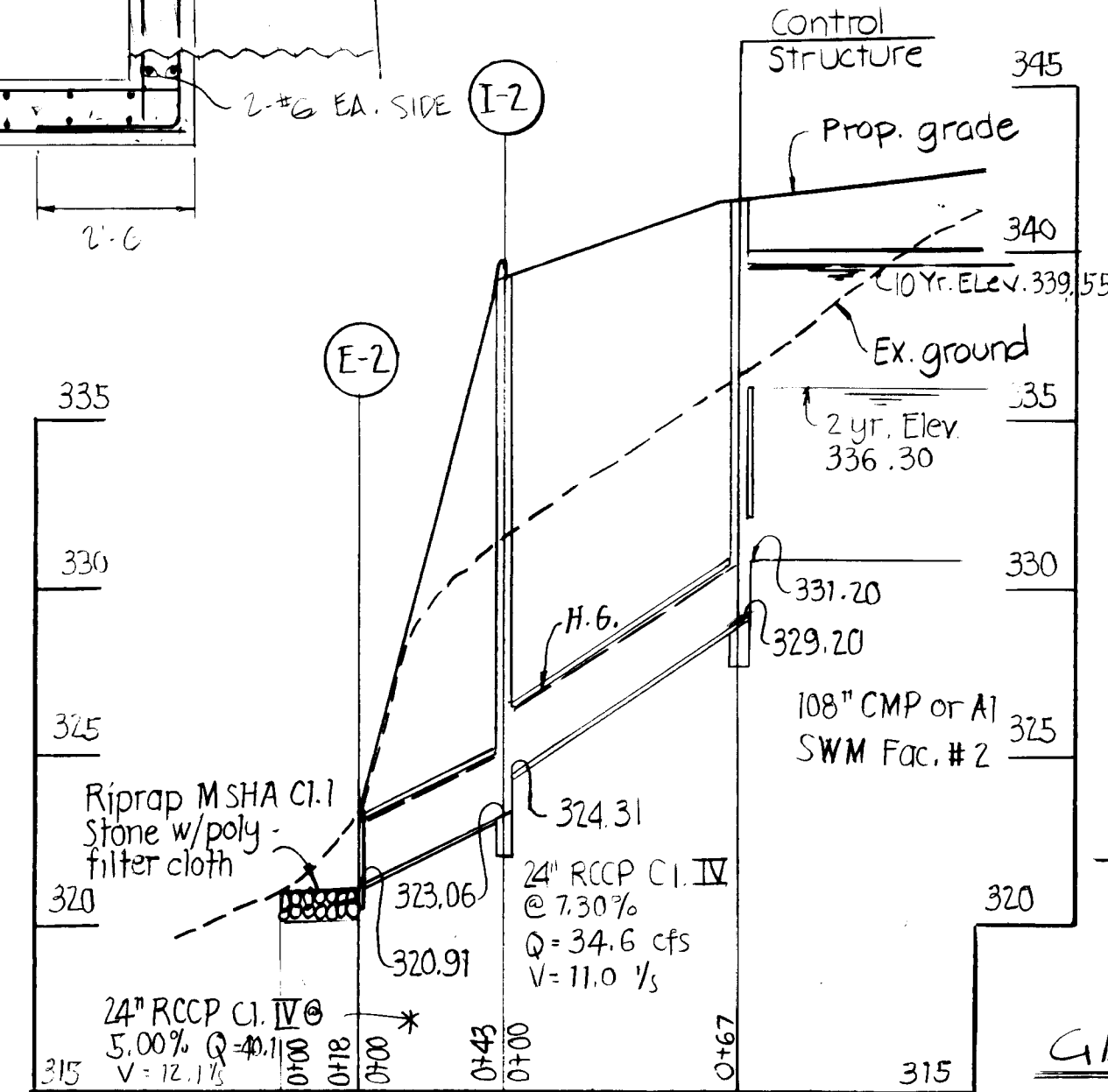


PROFILE



STONE STORAGE TRENCH

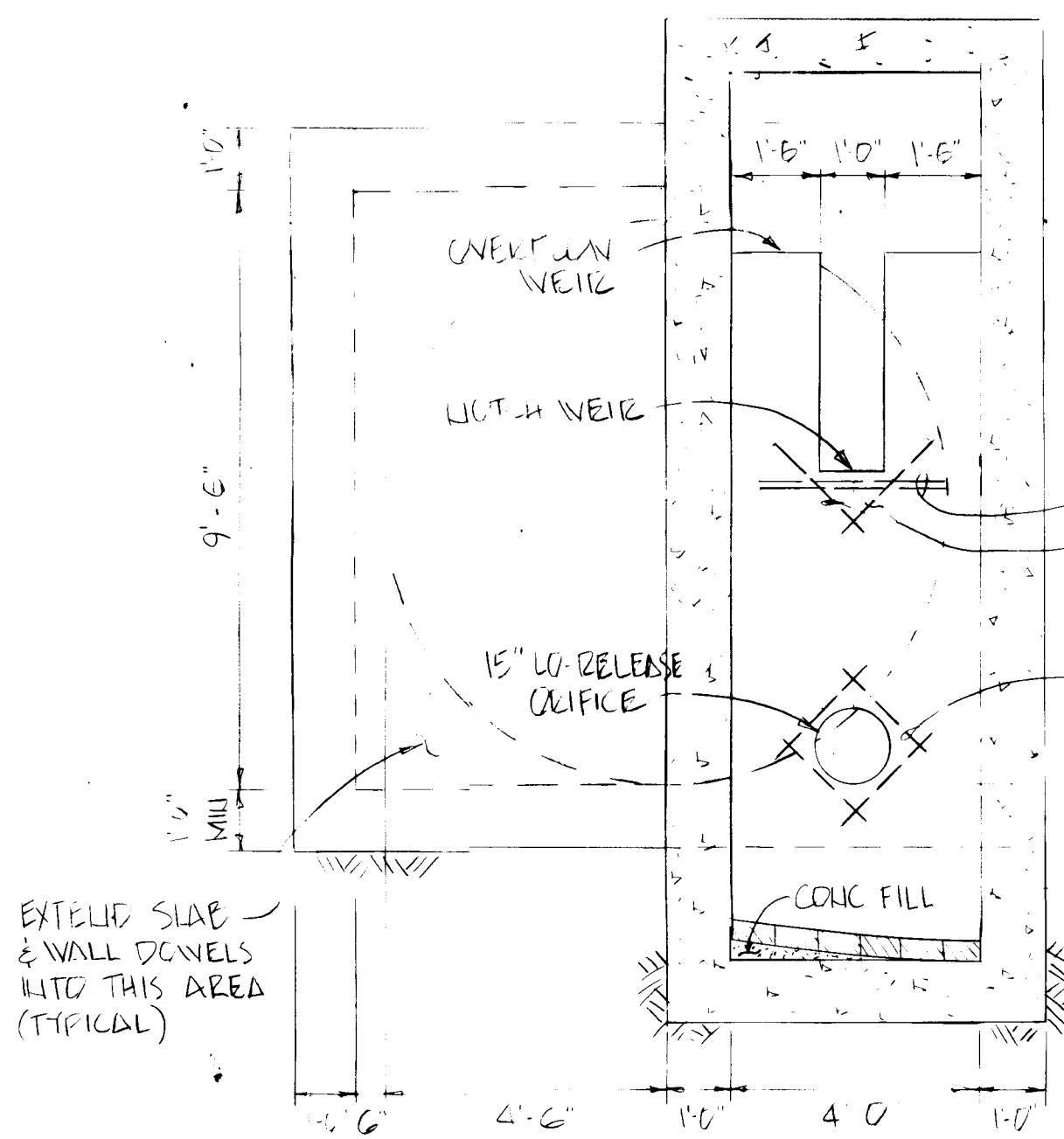
NO SCALE



PROFILE

GABIOLI SLOPE PROTECTION

NO SCALE



SECTION 'B - B'

EXTEND SLAB & WALL PANELS INTO THIS AREA (TYPICAL)

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-25-85
W. J. JAMES

NOTE: STRUCTURE SHALL CONFORM TO DETAIL SD-5.21 FOR HEADWALL FOR 24" PIPE EXCEPT DIMENSIONS 'H' & 'L' SHALL BE AS SHOWN. MATERIALS & REINFORCING SHALL BE AS REQ'D BY DETAIL SD-5.21

OUTLET STRUCTURE
SWM FACILITY #1

NO SCALE

APPROVED: For Soil Erosion & Sediment Control:
Howard Co. Soil Conservation District
Signature: *Stephen L. Jucha* 3/20/85
Date
Reviewed for Howard Conservation District and meets technical requirements.
Signature: *James D. Ketchum* 3-20-85
Date

CONTROL STRUCTURE - SWM FACILITY #2

SCALE 3/8" = 1'

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS

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

APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads, Howard County, Dept. of Public Works
Signature: *W. J. James* 3-25-85
Date
Signature: *James D. Ketchum* 3-20-85
Date
Chief, Bureau of Engineering

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
Signature: *James D. Ketchum* 3/20/85
Date
County Health Officer

APPROVED: Howard Co. Office of Planning & Zoning
Signature: *William J. James* 3-28-85
Date
Chief, Division of Land Development and Zoning Administration
Signature: *James D. Ketchum* 3-28-85
Date
Planning Director

DEVELOPER'S CERTIFICATION
I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources Training Program for the control of any sediment erosion before beginning the project.
Signature: *James D. Ketchum* 3-28-85
Date

ENGINEER'S CERTIFICATION
I certify that this plan of 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: *William J. James* 4/25/85
DATE

NORMANDY SHOPPING CENTER (PHASE II)

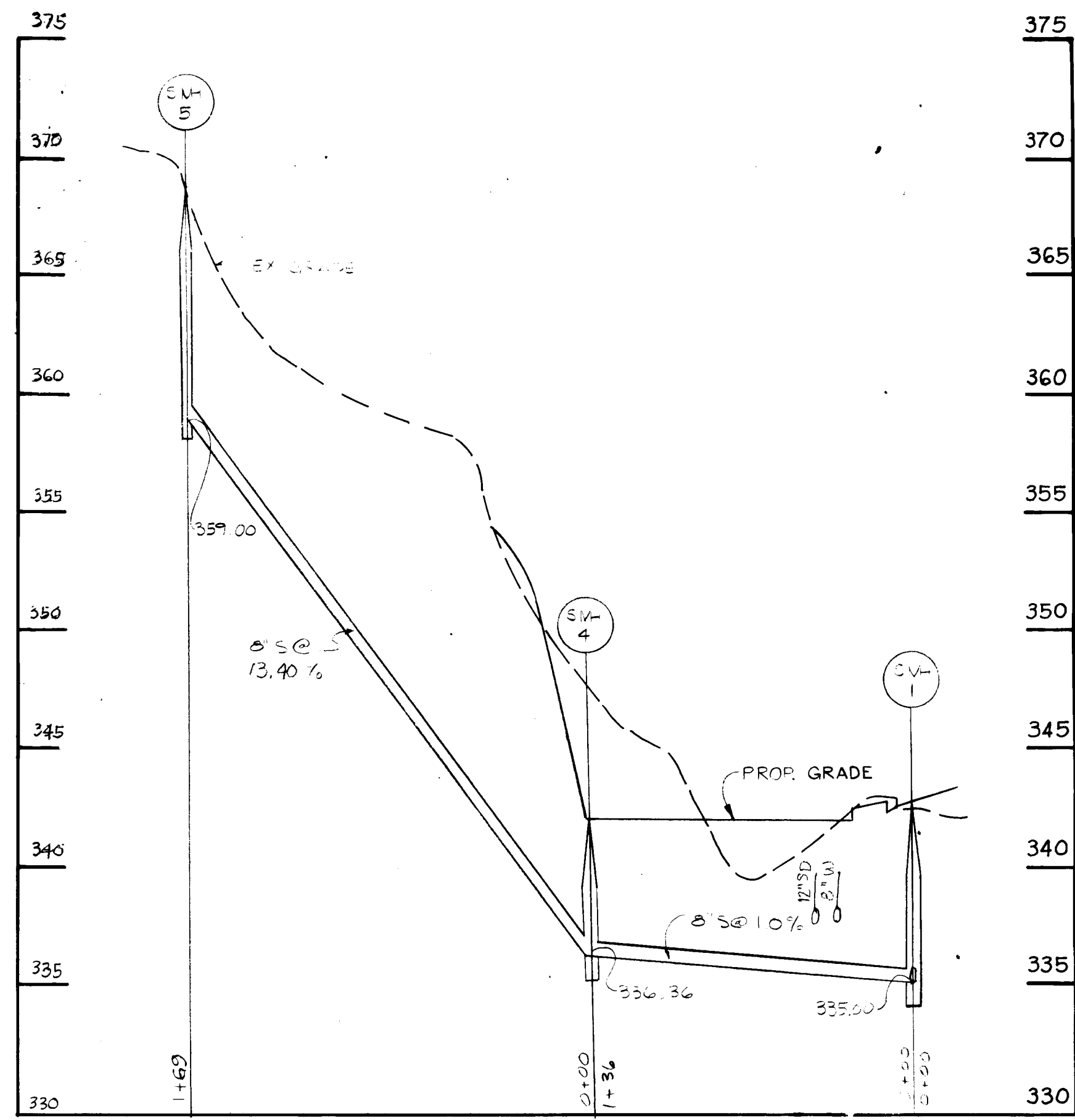
STORM WATER MANAGEMENT DETAILS

2nd Election District
Tax. Map Nos. 17 & 18
Scale: 1" = 30'
Howard County, Md.
Parcel Nos. 751195
Date: 4-27-81

SHEET 5 OF 9

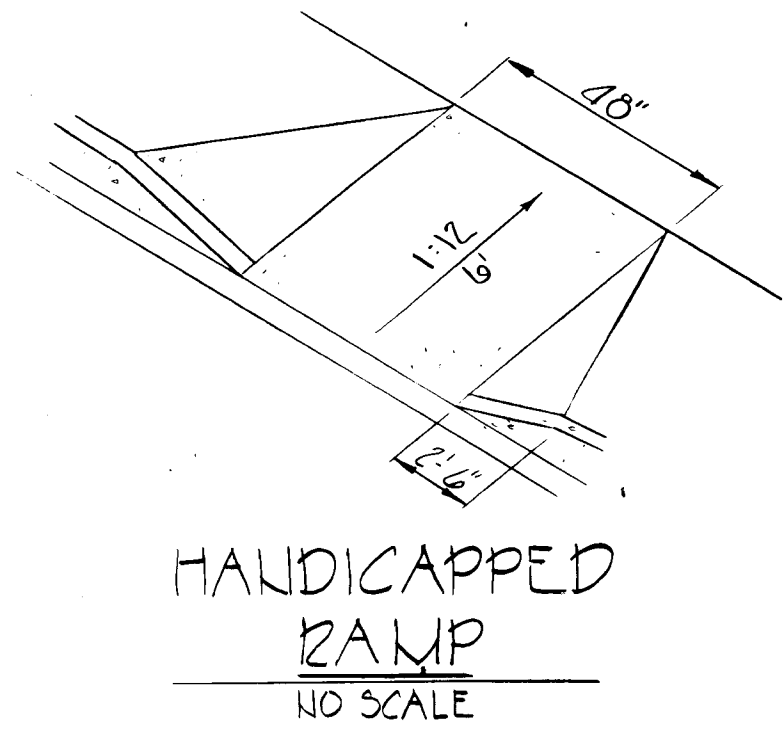
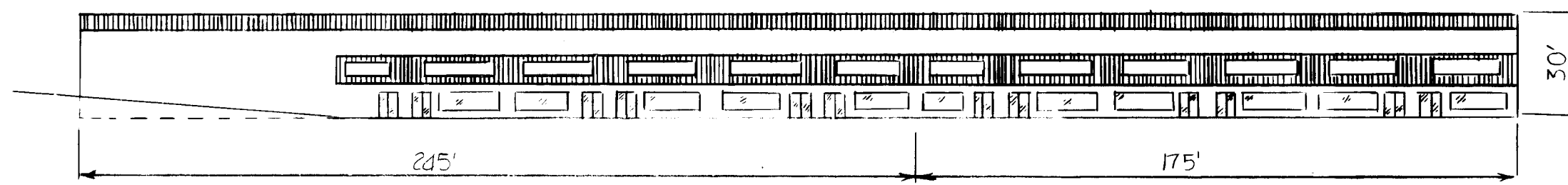
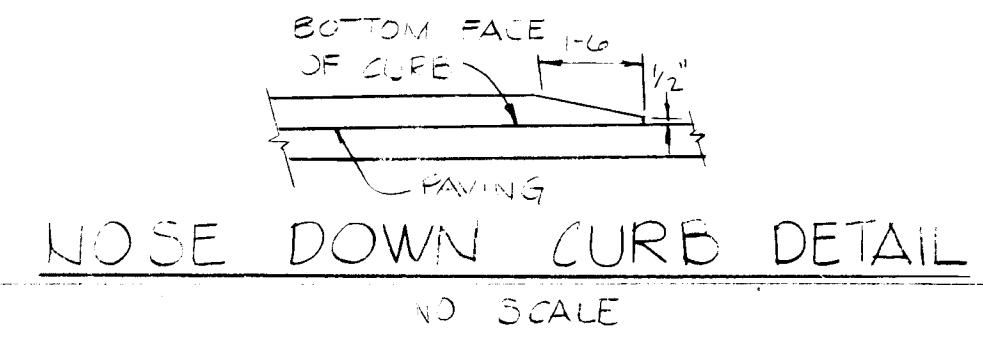
Designed: D.E.
Drawn by:
Checked by:

SDP-84-297

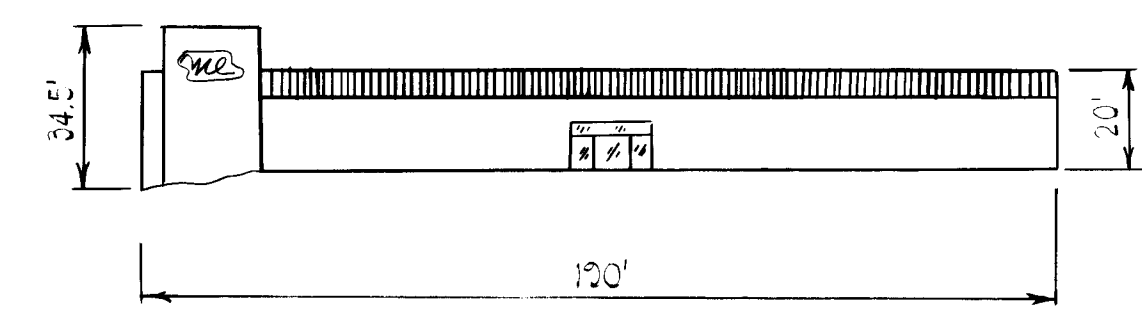


PRIVATE SEWER PROFILE
SCALE: Hor. 1"=50'
Vert. 1"=5'

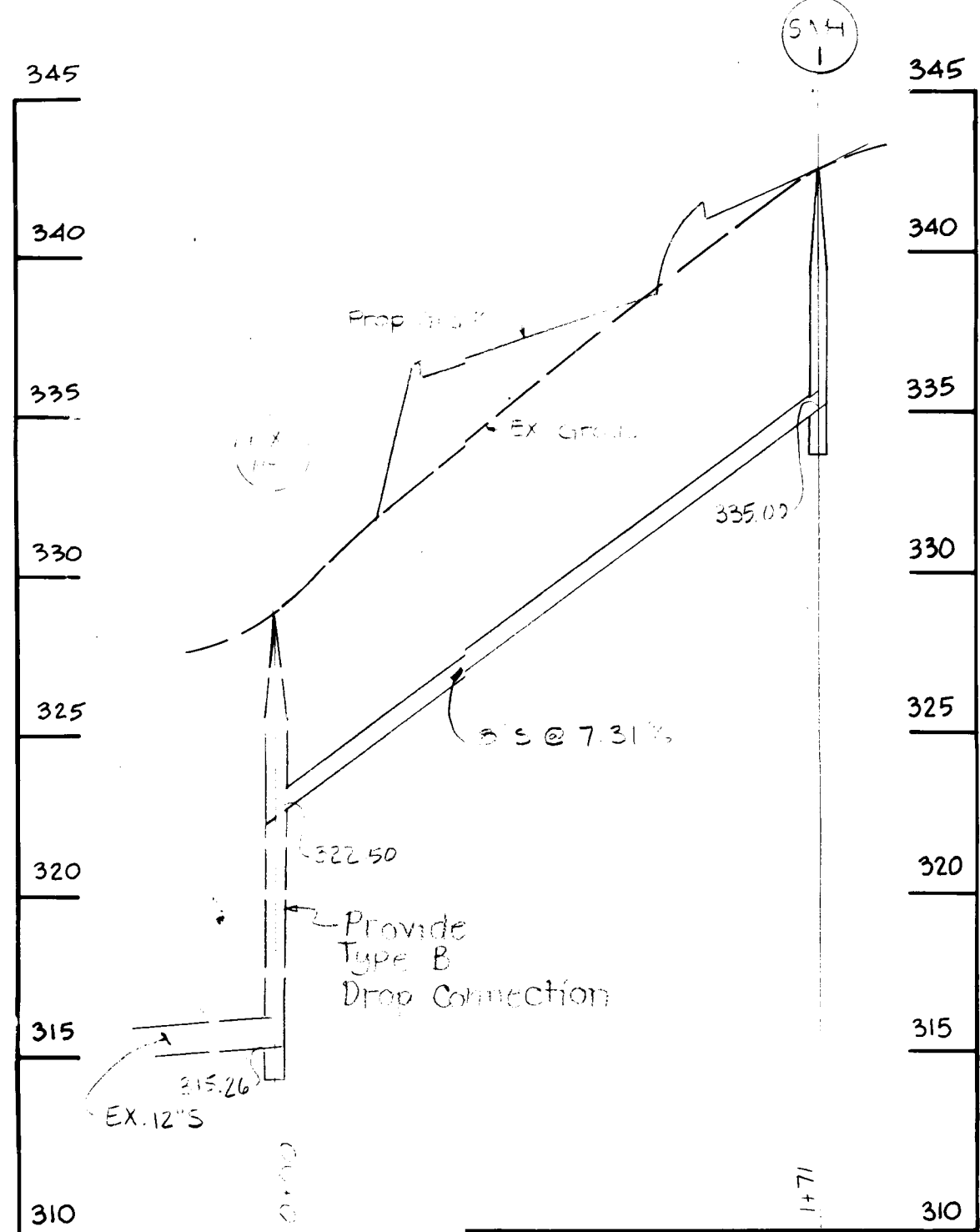
APPROVED: For Soil Erosion & Sediment Control.
Howard Co. Soil Conservation District
Stephen K. Duke 3/20/85
Signature Date
Reviewed for Howard Conservation District and meets technical requirements.
John M. Nelson 3-20-85
Signature Date



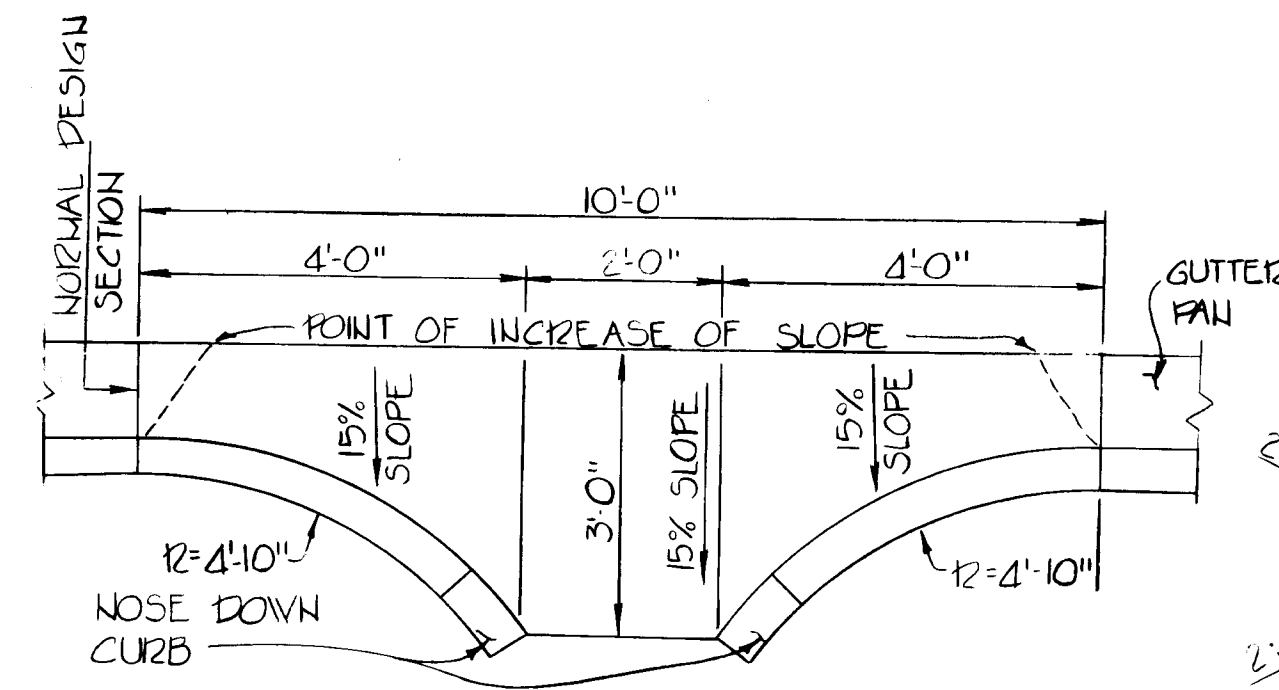
- NOTES: (For Private Sewer)
- All manholes shall be Ho. Co. Det. G. 5.11
 - All sewer mains shall be C.S.P.X., KCSP VCPX, ACP, Class 2400 or PVC unless otherwise noted.



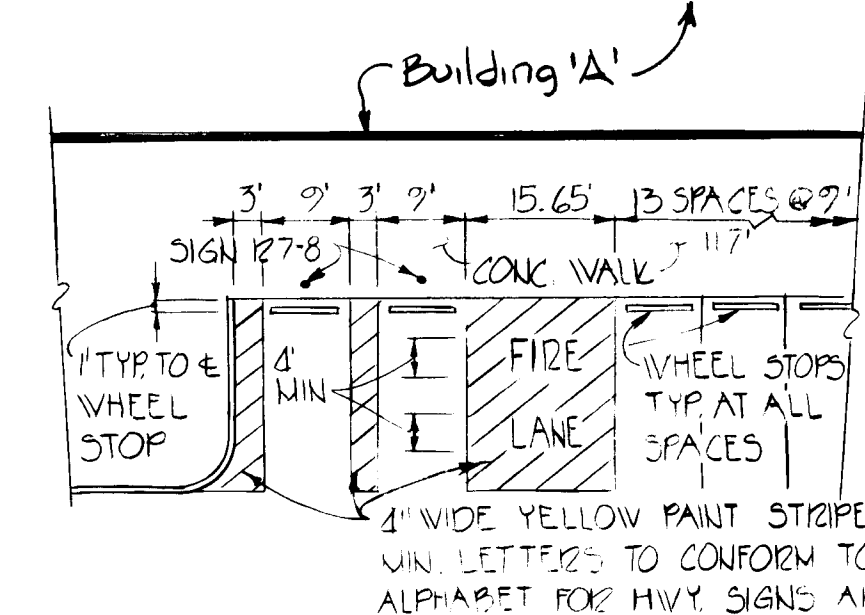
BUILDING A'- SOUTH BUILDING SCHEMATIC
NO SCALE



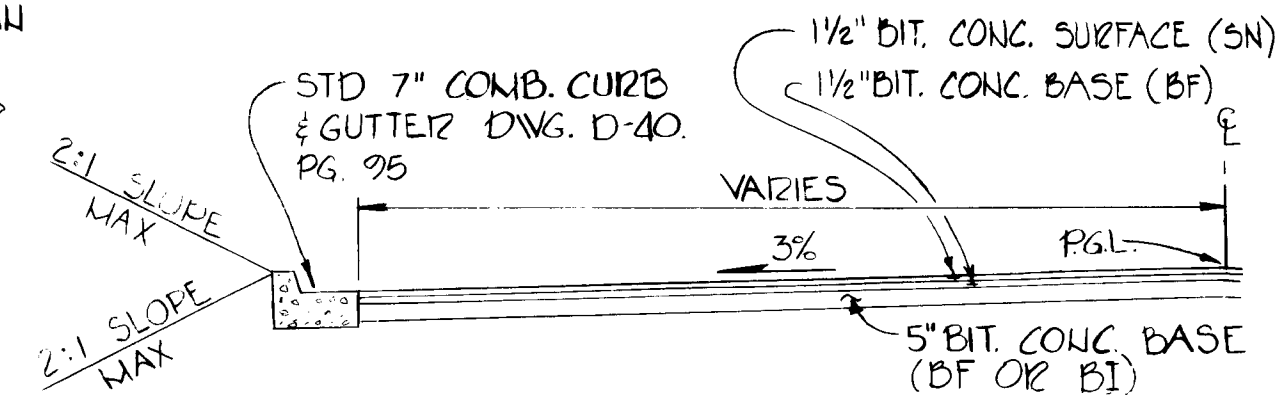
PRIVATE SEWER PROFILE
SCALE: Hor. 1"=50'
Vert. 1"=5'



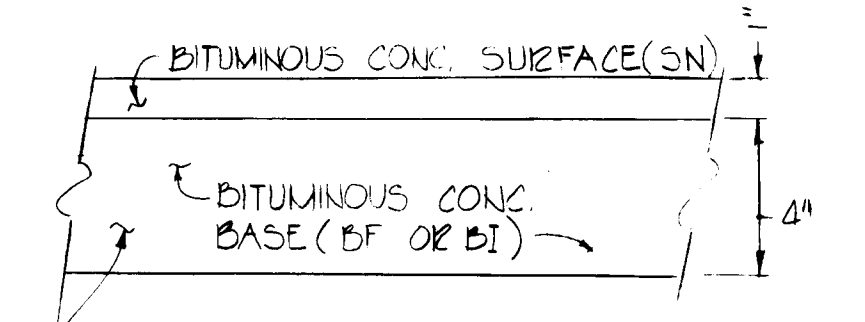
CURB OPENING DETAIL
NO SCALE



HANDICAPPED ACCESS
BUILDING A'
No Scale



TYPICAL DRIVE HALF SECTION
NO SCALE



TYPICAL PARKING AREA
PAVING SECTION
NO SCALE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY
DATE 2-25-85
MA/afm

| | | |
|--------|-----------------------|-----|
| 6-7-85 | Revised Sewer Profile | ART |
| Date | Revision | By |

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads
Howard Co., Dept. of Public Works
John E. Nelson 3-25-85
Director Date
John E. Nelson 3-25-85
Chief, Bureau of Engineering Date

APPROVED: For Public Water and Public Sewerage Systems.
Howard County Health Department
John M. Nelson 3/25/85
County Health Officer Date

APPROVED:
Howard Co. Office of Planning & Zoning
David A. Harris 3-25-85
Chief, Division of Land Development and Zoning Administration Date
David A. Harris 3-25-85
Planning Director Date

DEVELOPER'S CERTIFICATION
I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of natural sediment erosion before beginning the project.
William G. Nasch II
By: *William G. Nasch II*

ENGINEER'S CERTIFICATION
I certify that this plan of 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 G. Nasch II 3/25/85
WILLIAM G. NASCH II DATE

William G. Nasch II

NORMANDY SHOPPING CENTER (PHASE II)
PAVING PROFILES AND DETAILS AND SANITARY SEWER PROFILE
2nd Election District
Tax. Map Nos. 17 & 18
Scale: AS SHOWN
Howard County, Md.
Parcel Nos. 75 & 155
Date: 9-29-80

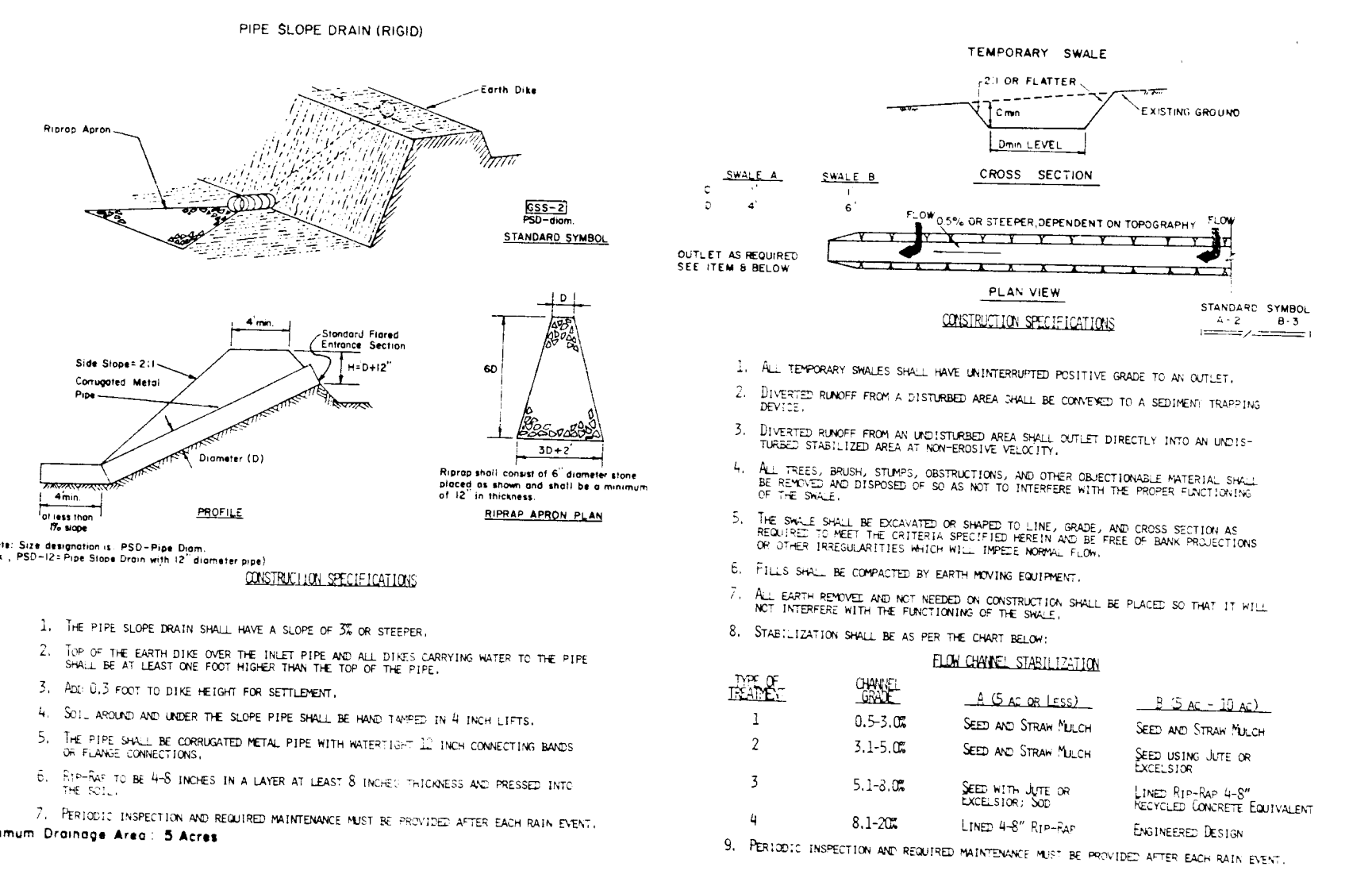
SHEET 6 OF 9
General Revisions 1/3/81
Revised Paving Sect 3/25/85 11/27/81
Designed: DE
Drawn by: SIBB
Checked by: B.E.

SDP-84-297

NORMANDY HEIGHTS SECTION 4
 PLAT BOOK 5/PAGE 48
 AD 161

NORMANDY HEIGHTS SECTION 2
 PLAT BOOK 4/PAGE 01
 ZONED R-20

NOTE: All inlets shall be blocked from settlement; see inlet protection detail.



SEDIMENT TRAP No. 1
 D.A. = 2'13" A.
 Reel Storage = 3790 cu ft
 Available Storage = 4214 cu ft
 Bottom Elev. 334
 Stone Outlet Structure Length = 16'

Note: 1. Block Lo. Release Orifice in outlet structure w/ plywood and #2 stone for use as sed. trap.
 2. See pipe slope drain, this sheet to be installed on Sed. Trap No. 1.

ZONED R-20

E DITCH
 R = 30'
 Δ = 75°

NORMANDY HEIGHTS SECTION 1
 PLAT BOOK 4/PAGE 75

ZONED SC
 E DITCH
 R = 30'
 Δ = 25°

PROPERTY OF JAMES E. SWEETNEY & WF
 UNDER 214/1010.63

PHASE I
 PROPOSED BUILDING 'A'
 F.F. ELEV. 373.50
 (37,900 S.F.)

NOTE: SEE DETAIL SH 6 OF 9 FOR STOPPING & WHEEL DROPS AT HANDICAPPED PARKING SPACES FOR BLDG. 'A'.

SEDIMENT TRAP No. 2
 371.20 T.C.
 N 529,612.029
 E 854,087.930

EXISTING SHOPPING CENTER BUILDING
 F.F. ELEV. 379.36

BM 10-1E
 ELEV. 374.14
 TOP CONC. SIDEWALK @ CORNER OF BLDG.
 N 529,495.716
 E 854,289.369

12" W. FOR A SEWER, A WATER MAIN, FIRE HYDRANTS & APPURTENANCES 482/204

24 EXIST. SPACES @ 10.5 x 19.0 (SDP 77-15)

LIMIT OF S 36° 36' 21" E 290.00'

34 SPACES @ 12' x 19.5'
 LEAST CONC. CURB TO REMAIN

MEET EXIST CURB @ JOINT 374.63+TC

PROPERTY OF JAMES H. SATELZFIELD & WF
 434/685

ZONED R-20

MD. ROUTE 99 - ROGERS AVENUE

APPROVED: For Soil Erosion & Sediment Control.
 Howard Co. Soil Conservation District
 Stephen L. Rubin 3/20/85
 Signature Date

Reviewed for Howard Conservation District and meets technical requirements
 Stephen L. Rubin 3/26/85
 Signature Date

STORM WATER MANAGEMENT STRUCTURE No. 1

OWNER/DEVELOPER
 PRUDENTIAL INVESTMENT CO.
 8 NORMANDY SHOPPING CENTER
 8450 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MD. 21043

| ADDRESS CHART | | SUBDIVISION NAME | | SECT./AREA | LOT/PARCEL # |
|---------------|---------------------------------------|--------------------------|---------|--------------|--------------------------|
| LOT No. | STREET ADDRESS | NORMANDY SHOPPING CENTER | | PHASE II | PARCEL 75 |
| Bldg. A | 8470 Baltimore National Pike (Rt. 40) | PLAT OR L/P | BLOCK # | TAX/ZONE MAP | ELEC. DIST. (CENSUS TR.) |
| B | 8480 | 504/106 | 19 | 18 | ZND 6026 |
| WATER CODE: | | | | SEWER CODE: | |

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads, Howard County, Dept. of Public Works
 Director Date
 William J. Rubin 3/22/85
 Chief, Bureau of Engineering Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
 Planning Director Date
 Anne M. Goff 3/21/85
 County Health Officer Date

APPROVED: Howard Co. Office of Planning & Zoning
 Chief, Division of Land Development and Zoning Administration Date
 Planning Director Date
 John W. Munn 3/28/85

DEVELOPER'S CERTIFICATION
 I certify that all development and construction will be done according to this plan and any responsible personnel involved in the construction project will have a certificate of attendance at the Dept. of Natural Resources training program for the control of any sediment erosion before beginning the project.
 Date
 William J. Rubin 3/28/85

ENGINEER'S CERTIFICATION
 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.
 Date
 William J. Rubin 2-22-85
 WILLIAM J. RUBIN

Revised 2-22-85
 William J. Rubin

NORMANDY SHOPPING CENTER (PHASE II)
 EROSION AND SEDIMENT CONTROL PLAN
 2nd Election District
 Tax Map Nos. 17 & 18
 Scale: 1"=30'
 Howard County, Md.
 Parcel Nos. 75 & 155
 Date: 3/22/85
 Designed by: D.E.
 Drawn by: D.E.
 Checked by: D.E.

SHEET 7 OF 9
 General Revisions 1/5/81
 Convert to Md. State Coord. Grid - revised Ho. Co. Com. 3/2/81
 11/20/81

SDR-84-247

2. BORROW MATERIALS OBTAINED FROM SITE SHALL BE USED TO FILL IN WITHIN THE PROPOSED EROSION CONTROL PLAN.

4. TOTAL PERIMETER (PACKAGE) = 40,200 CY

DRIVE 'A' CURVE DATA
 R = 45.00'
 Δ = 118°14'00"
 L = 134.65'
 T = 109.68'

PHASE 2

BUILDING B
 UPPER LEVEL ELEV. 366.50
 LOWER LEVEL ELEV. 356.50
 OFFICE BUILDING

PROPERTY OF PRUDENTIAL INVESTMENT CO. 504/108

PROPERTY OF TOWN & COUNTRY-WEST, INC. 449/730

PROPERTY OF W.F. LIPS FRANK J. PIRELLI 324/314

Note: Following initial soil erosion and sediment control permanent or temporary structures shall be completed within 1) Ten (10) days for all perimeter sediment control structures, dikes, silted ditches, etc. to be installed within 10 days of the project start.

All sediment traps shall be fenced and a warning sign posted around their perimeter in accordance with Vol. 3, Chapter 12 of the Howard County Design Manual, Storm Drainage.

SEE SHEET 7 OF 9 FOR LIMITS OF SUBMISSION, SEDIMENT CONTROL NOTES, CONSTRUCTION SEQUENCE AND DETAILS.

RIPRAP OUTLET SEDIMENT TRAP NO. 2
 D.A. 128 AC
 Vol. provided: 128 AC x 100 cu/y/ac = 12,800 cu
 Bottom Elev. = 331.00
 Stone Elev. = 336.00
 Clearway Elev. = 333.00
 Top of pipe elev. = 337.00
 Length of Stone = 10'

STONE OUTLET SEDIMENT TRAP NO. 2
 D.A. 128 AC
 Vol. provided: 128 AC x 100 cu/y/ac = 12,800 cu
 Bottom Elev. = 331.00
 Stone Elev. = 336.00
 Clearway Elev. = 333.00
 Top of pipe elev. = 337.00
 Length of Stone = 10'

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE **2-25-85**

APPROVED: For Soil Erosion & Sediment Control.
 Howard Co. Soil Conservation District
 Signature: *[Signature]* Date: **3/20/85**
 Reviewed for Howard Conservation District and meets technical requirements.
 Signature: *[Signature]* Date: **3/20/85**

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

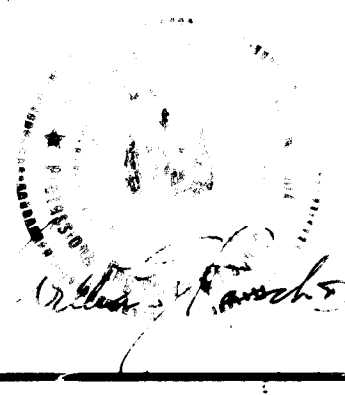
APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads, Howard County, Dept. of Public Works
 Signature: *[Signature]* Date: **3/25/85**
 Chief, Bureau of Engineering

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
 Signature: *[Signature]* Date: **3/25/85**
 County Health Officer

APPROVED: Howard Co. Office of Planning & Zoning
 Signature: *[Signature]* Date: **3/28/85**
 Chief, Division of Land Development and Zoning Administration

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 Date: **2-22-85**

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 Signature: *[Signature]*
 DATE: **2-22-85**



NORMANDY SHOPPING CENTER (PHASE II)
 EROSION & SEDIMENT CONTROL PLAN
 2nd Election District
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 Howard County, Md.
 Parcel Nos. 75 & 155
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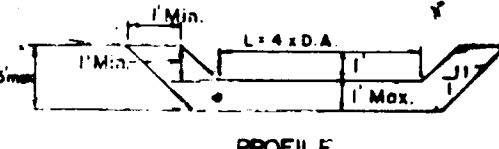
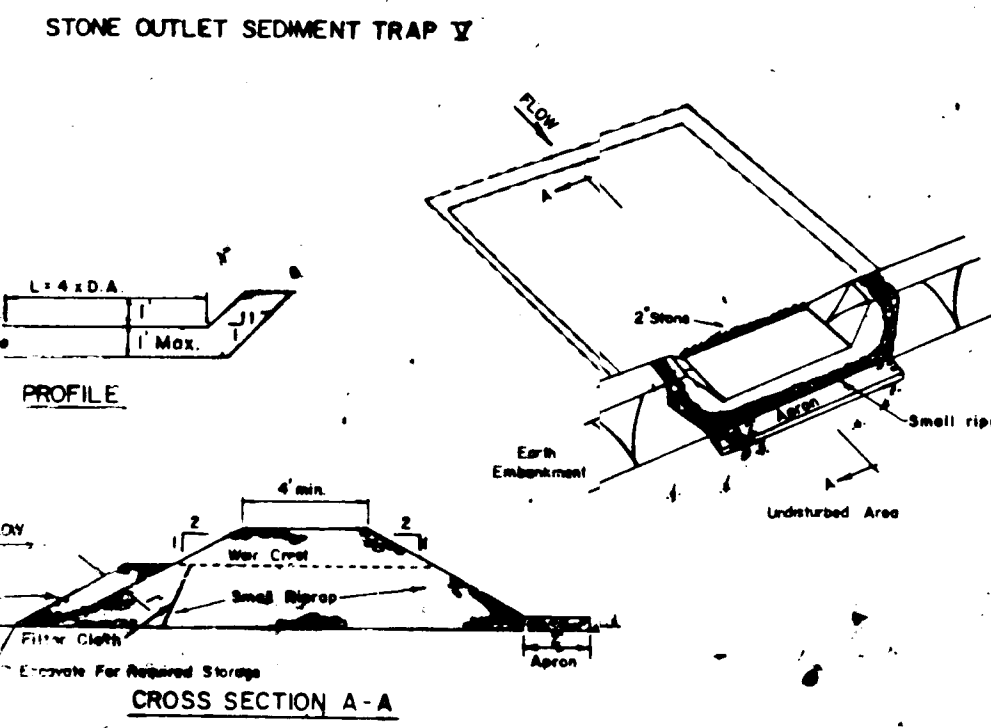
SHEET 8 OF 9
 General Revisions 1/5/81
 Convert to Md. State Coord. Grid - revise per Ho. Co. Cmts. 3/5/81
 Designed: D.E.
 Drawn by: S.I.B.
 Checked by: B.E.

SEDIMENT CONTROL NOTES

3. All sediment control structures to remain in place until permanent soil erosion control measures have been approved by the Howard County Dept. of Public Works (SOP 2435 or 292-2436).
4. All graded areas shall be stabilized immediately with one of the following methods:
 - Seeding:
 - Apply the following seed mixture at the specified rate with a mechanical spreader:
 - Temporary - Italian or Perennial Ryegrass (1 lb/1000 sq ft)
 - Permanent - (Slopes Flatter than 3:1 - Common Kentucky Bluegrass 40% + Perennial Ryegrass 40% + Red Fescue 20% (2 lbs/1000 sq ft))
 - Slopes steeper than 3:1 - Green Clover
 - The seeded area shall be mulched with a 1/2" to 2" layer of mulch and compacted with a roller 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.
 - The mulch down with liquid asphalt at 0.1 gal./sq. ft. or similar liquid asphalt at 0.25 gal./sq. ft.
 - Soil:
 - Apply 10-0-4 fertilizer at 1000 lbs/acre (45 lbs/1000 sq ft)
 - Apply ground agricultural limestone at 2000 lbs/acre (90 lbs/1000 sq ft)
 - Incorporate both lime and fertilizer into soil by disking or other incorporation.
 - Lay sod to a tight fit to insure contact with underlying soil. Water is necessary for first two weeks (in summer) to ensure establishment.
5. Ground Cover:
 - Crown vetch (inoculated) at 15 lbs/acre and Kentucky 31 Tall Fescue (certified) at 40 lbs/acre. (2 1/2" maximum slope) Mulch in accordance with above.
6. The contractor shall place plywood braced with sand bags at the inlet end of unfinished drainpipes at the end of each work day.
7. All stockpiles shall be protected with straw bale dikes, silt fences or other approved sediment control devices.

APPROVED: For Soil Erosion & Sediment Control
 Howard Co. Soil Conservation District
 Signature: *[Signature]* Date: *[Date]*
 Reviewed for Howard Conservation District and meets technical requirements.
 Signature: *[Signature]* Date: *[Date]*

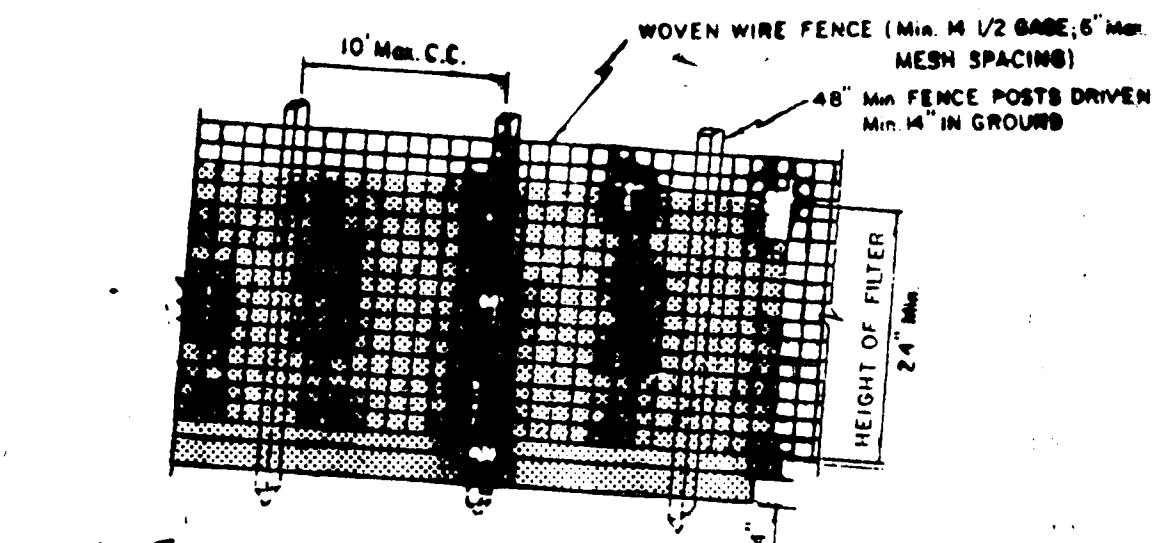
TYPE 'A' INLET PROTECTION DETAIL



CROSS SECTION A-A

- OPTION: A one foot layer of 2" stone may be placed on the upstream side of the rip-rap in place of the embedded filter cloth.
- CONSTRUCTION SPECIFICATIONS FOR ST-VI
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as compressed stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
 3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
 4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
 5. Storage area provided shall be figured by computing the volume available below the outlet channel up to an elevation of one (1) foot below the level weir crest.
 6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of a stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
 7. Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone on a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
 8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 9. The structure shall be inspected after each rain and repaired as needed.
 10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
 11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 12. Drainage area for this practice is limited to 15 acres or less.

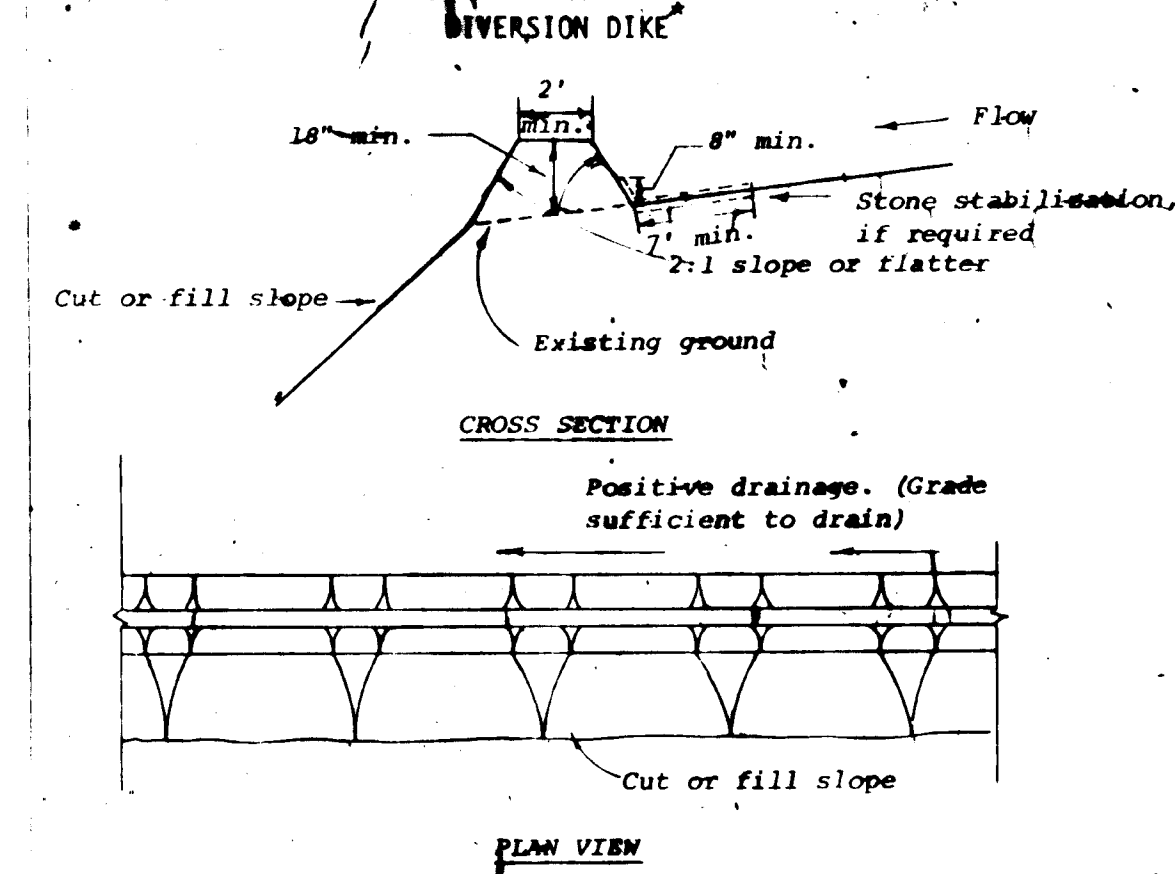
SILT FENCE DETAIL



PERSPECTIVE VIEW

SECTION

- CONSTRUCTION NOTES
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. SEE STEP BY STEP PROCEDURE ON BACK OF THIS SHEET.
- POSTS: STEEL EITHER 1" O U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 1/2 G6, MAX. 6" MESH OPENING
 FILTER CLOTH: FILTER X
 MINIF: MSHA, LAUREL FIBER CONTROL BLOT, BIDIM, POLYFILTER X OR EQUAL
- STANDARD SYMBOL: *[Symbol]* DRAINAGE AREA LESS THAN 1/2 ACRE



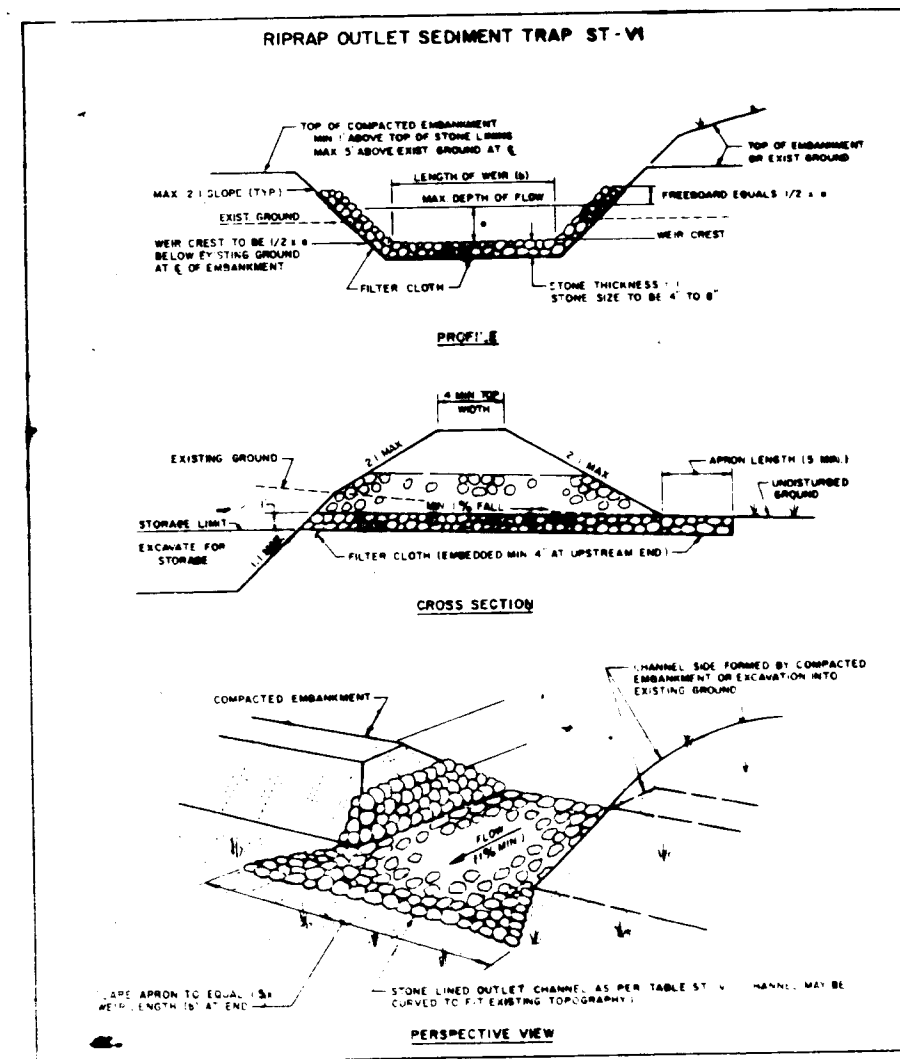
Construction Specifications

1. All dikes shall be machine compacted.
 2. All diversion dikes shall have positive drainage to an outlet.
 3. A. Diverted runoff from a protected or stabilized area shall outlet directly to an undisturbed stabilized area or into a level spreader or grade stabilization structure.
 B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
 4. Stabilization, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSHA size No. 2 or AASHTO #43 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
 5. Periodic inspection and required maintenance shall be provided.
- Standard Symbol: *[Symbol]*
 1 Drainage area less than 5 acres

CONSTRUCTION SEQUENCE

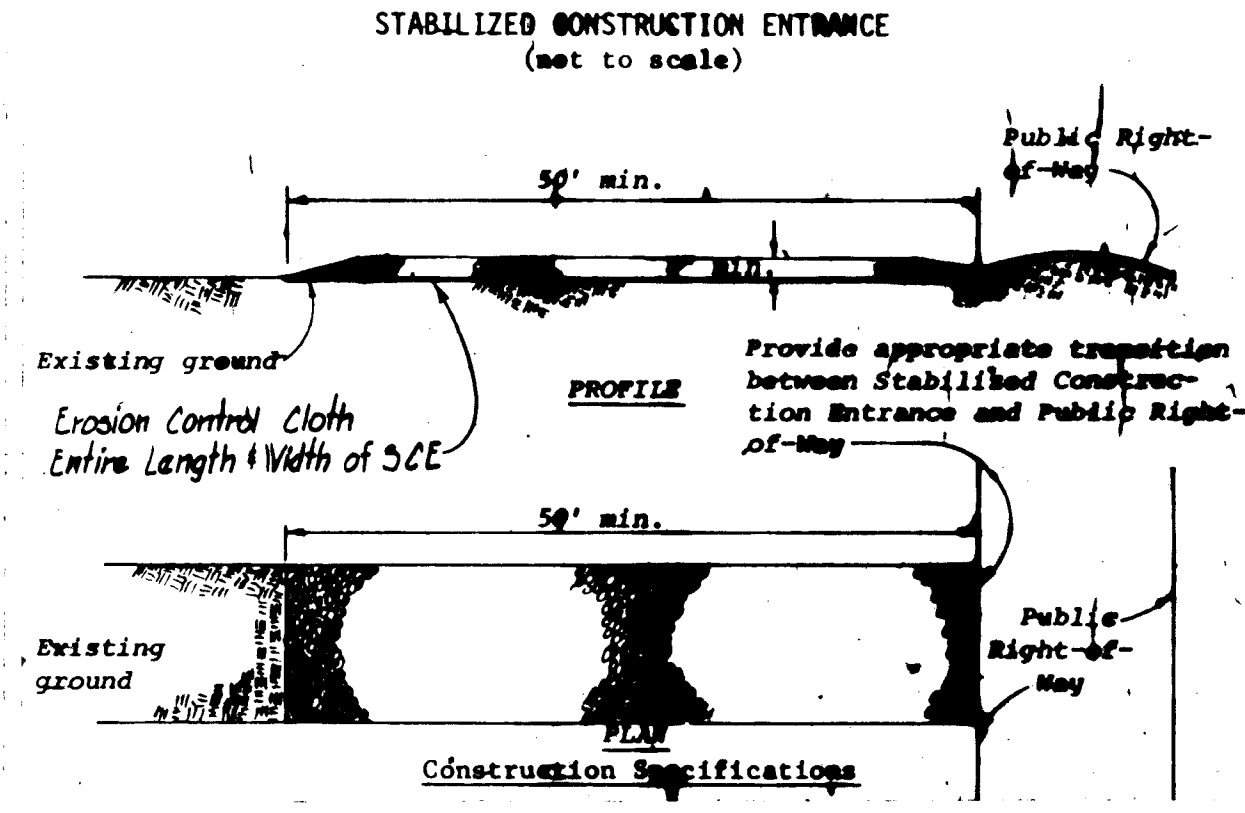
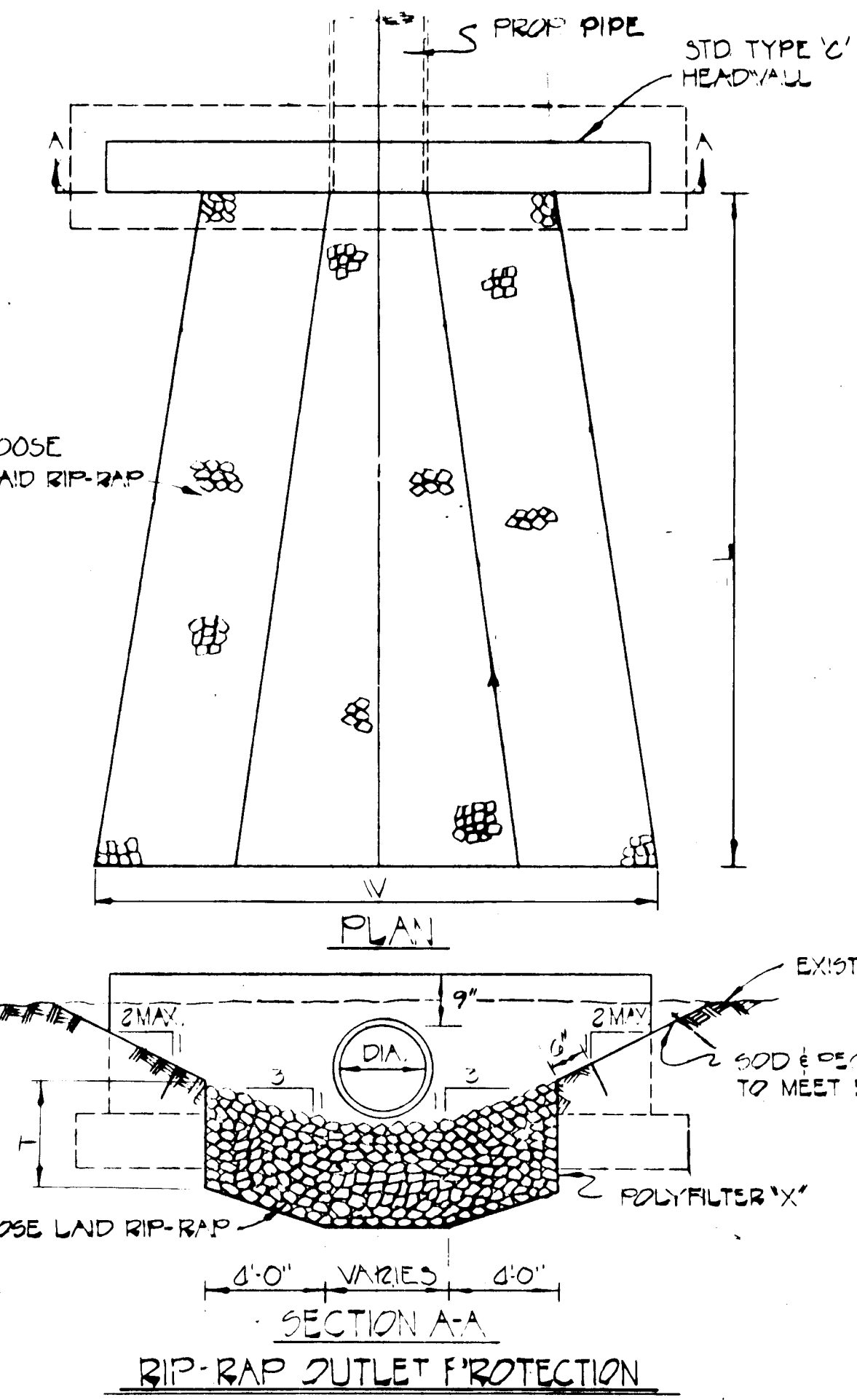
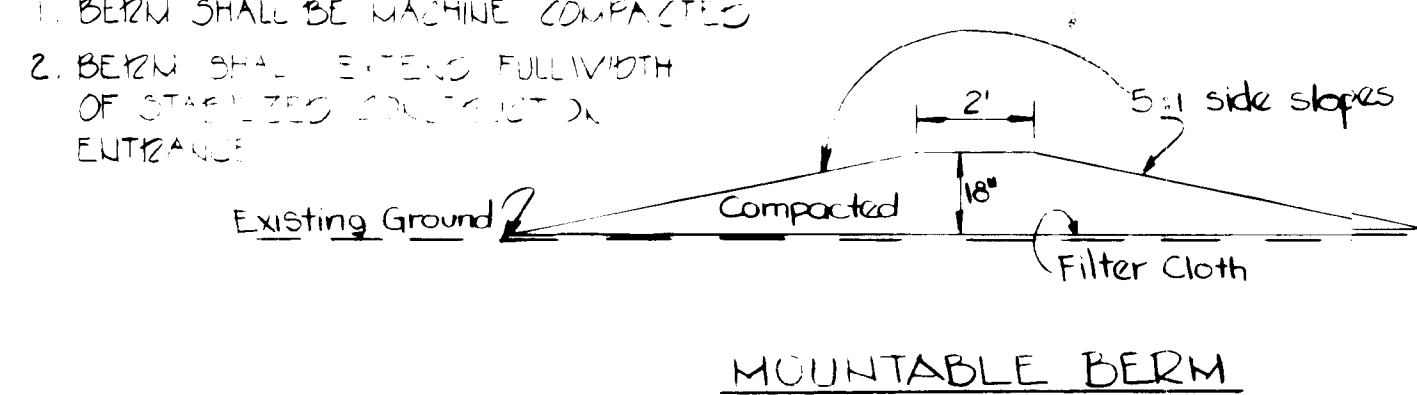
1. Obtain Grading Permit.
2. Install all Sediment Control Devices for Phase 1.
3. Construct proposed storm drain from existing inlet to E-1.
4. START PHASE I
 - a. Construct ~~storm drain~~ ~~and~~ ~~and~~ ~~ditches~~
 - b. ~~Construct~~ ~~storm~~ ~~drain~~ ~~from~~ ~~E-1~~ ~~to~~ ~~E-2~~ ~~and~~ ~~install~~ ~~80~~ ~~l.f.~~ ~~of~~ ~~RCP~~ ~~for~~ ~~outfall~~ ~~and~~ ~~provide~~ ~~rip-rap~~ ~~and~~ ~~provide~~ ~~inlet~~ ~~protection~~.
 - c. Construct storm drain from I-13 to I-8 and install 80 l.f. of RCP for outfall and provide rip-rap and provide inlet protection.
 - d. Construct water and sewer mains.
 - e. Construct Building A.
 - f. Construct storm water storage trench.
 - g. Start paving travelway, parking area and curbs and gutters.
 - h. Stabilize disturbed areas not to be paved by permanent seeding.
 - i. Convert sediment trap No. 1 to storm water management structure only after contributing drainage area is permanently stabilized.
 - j. Remove sediment control devices as approved by Sediment Control Inspector.
5. START PHASE 2
 - a. Install all sediment control devices.
 - b. Close Center Drive to traffic. Install stabilized construction entrances and mountable berm.
 - c. Start grading operation.
 - d. Construct remaining storm drain as shown on plan and provide inlet protection.
 - e. Construct storm water management Facility No. 2.
 - f. Construct water and sewer mains.
 - g. Construct Building B.
 - h. Start paving travelway, parking area, curb and gutters.
 - i. Stabilize disturbed areas not to be paved by permanent seeding.
 - j. Remove sediment control devices as approved by Sediment Control Inspector.

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 2-25-85
[Signature]



- CONSTRUCTION SPECIFICATIONS FOR ST-VI
1. The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as compressed stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
 3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
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 7. Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone on a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
 8. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 9. The structure shall be inspected after each rain and repaired as needed.
 10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
 11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 12. Drainage area for this practice is limited to 15 acres or less.

CONSTRUCTION NOTES



- CONSTRUCTION SPECIFICATIONS
1. Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation #43, size No. 2 (2-1/2" to 1-1/2"); Use crushed stone.
 2. Length - As effective, but not less than 50 feet.
 3. Thickness - Not less than eight (8) inches.
 4. Width - Not less than full width of all points of ingress or egress.
 5. Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilizing with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
 6. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Standard Symbol: *[Symbol]*

RIP-RAP SCHEDULE

| STRUCT | L | W | T | RIP-RAP |
|--------|-----|-----|-----|---------------------|
| E-1 | 30' | 33' | 30" | MSA CLASS 1 800 MAX |
| E-2 | 18' | 20' | 18" | MSA CLASS 1 |
| E-3 | 20' | 15' | 12" | MSA CLASS 1 |

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

APPROVED: For Public Water, Public Sewerage, Storm Drainage and Roads
 Howard Co. Dept. of Public Works
 Director: *[Signature]* Date: *[Date]*
 Chief, Bureau of Engineering: *[Signature]* Date: *[Date]*

APPROVED: For Public Water and Public Sewerage Systems
 Howard County Health Department
 Director: *[Signature]* Date: *[Date]*
 County Health Officer: *[Signature]* Date: *[Date]*

APPROVED: *[Signature]*
 Howard Co. Office of Planning & Zoning
 Chief, Division of Land Development and Zoning
 Planning Director: *[Signature]* Date: *[Date]*

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[Signature] Date: *[Date]*
 WILLIAM G. RASCH II

[Signature]

NORMANDY SHOPPING CENTER
 (PHASE II)
 EROSION & SEDIMENT CONTROL DETAILS
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SHEET 9 OF 9
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