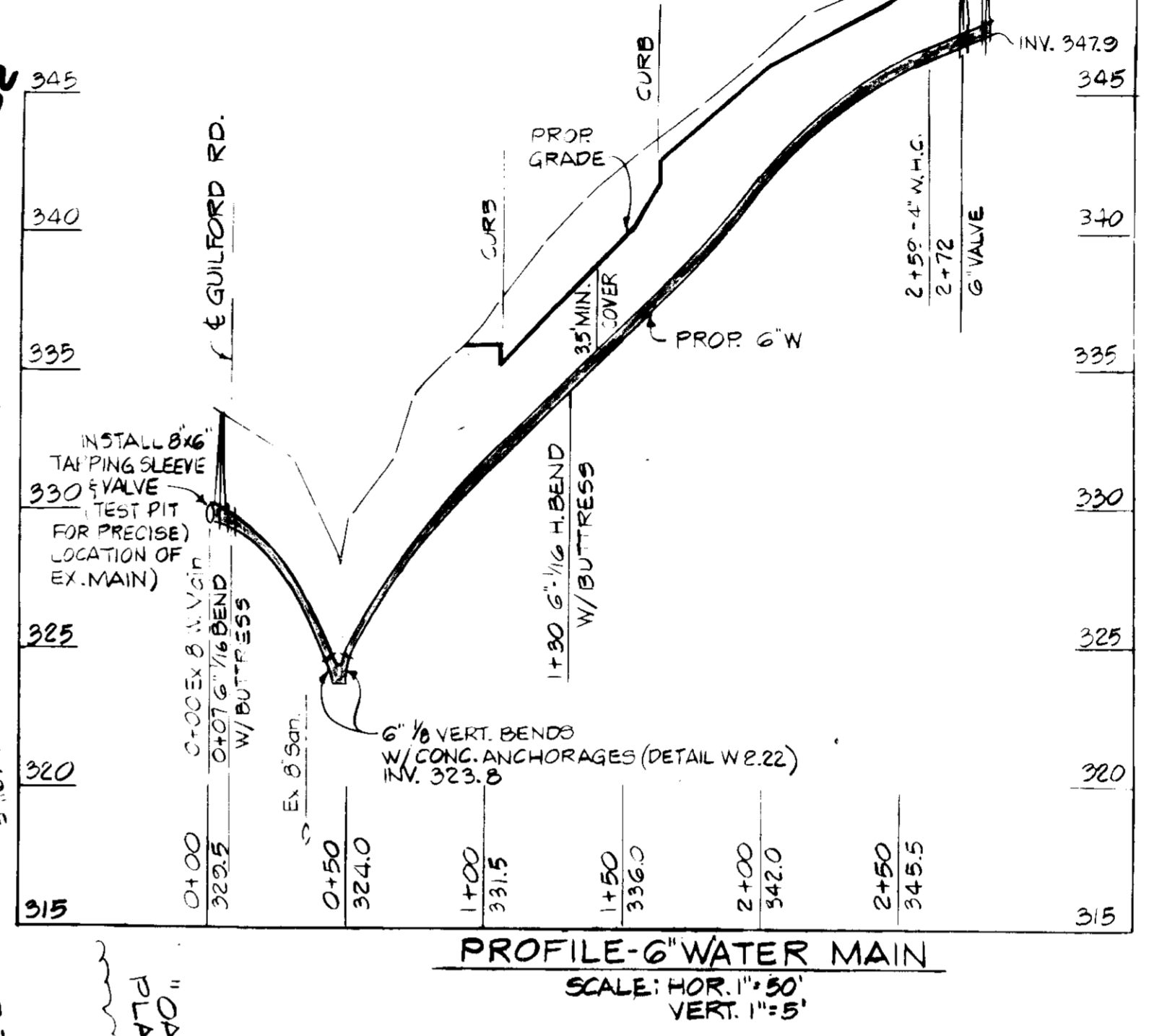


ADJACENT PROPERTY INFO.

PARCEL 335 - EARLENE ANDERSON HOWARD-1611/565 06-00-393713	BENCH MARK N 548,777.06 E 1,360,360.97	HO CO # 42 R 5 ELEV. 331.54
PARCEL 281 - JOHN R HYDE & WIFE 355/370 06-00-407900	BENCH MARK N 546,822.09 E 1,360,340.65	HO CO # 42 R 6 ELEV. 339.02
PARCEL 329 - GUILFORD MEMORIAL CHURCH 213/532 06-00-439594		
PARCEL 280 - JOHNNELL & FLORENCE SMITH 2423/707 06-00-400388		
PARCEL 44 - CHAS E. MATHIAS & WIFE 233/125 06-00-413641		
PARCEL 45 - JOHN H. GREEN, JR. & BESSIE H. GREEN 802/534 06-00-431119		
PARCEL 43 - JAMES & LINDA WENDLING 2006/355 06-00-402844		



SITE ANALYSIS

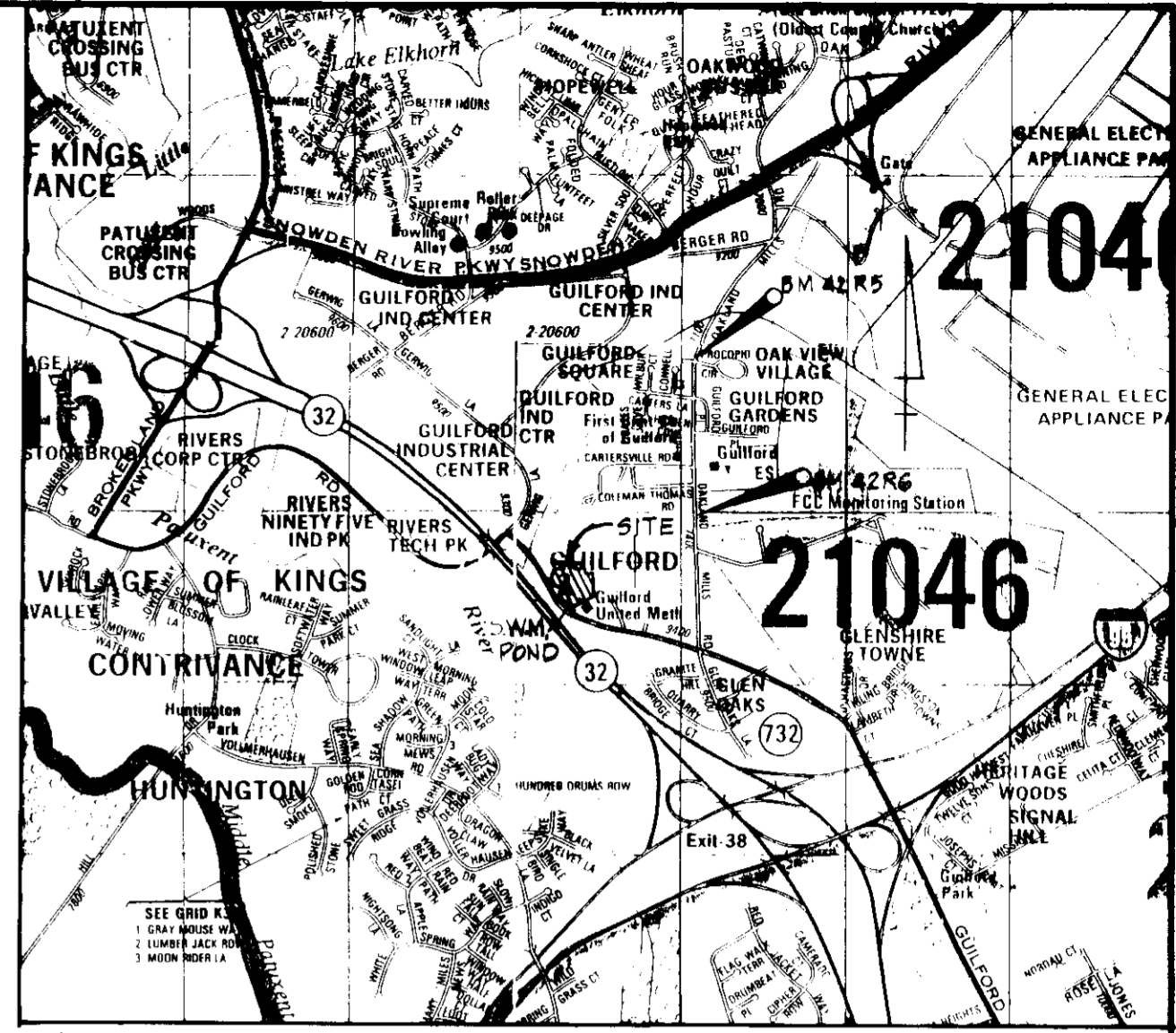
AREA OF PARCEL : 4.71 ACRES OR 205,028 SQ. FT.
PRESENT ZONING : R-12 (SEE BOARD OF APPEALS ORDER IN CASE NO. BA 24-46 E.V. ON THIS SHEET)

PROPOSED USE OF STRUCTURE : SINGLE STORY CHURCH
FLOOR AREA : 2500 SQ. FT.

PARKING REQUIRED : 1 LEVEL ASSEMBLY AREA WITH NO FIXED SEATS
(35' x 48' = 1680 SQ. FT.) 1680 ÷ 100 = 17 SPACES

PARKING PROVIDED : 17 SPACES
BUILDING COVERAGE OF SITE, 0.057 ACRES (1.2% OF 4.71 ACRES AREA)
PAVED PARKING AND DRIVEWAY ON SITE 0.43 ACRES (9.6% OF 4.71 ACRES AREA)
PERMITTED COVERAGE : 25%

- GENERAL NOTES (CONT.)**
- THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT (410) 313-1000
 - CELLS 333 & 334 HAVE BEEN COMBINED TO CREATE ONE PARCEL. THE DEED FOR THIS IS RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 2624, FOLIO 468.
 - CONTRACT NUMBERS FOR EXIST WATER AND SEWER MAIN IN GUILFORD ROAD: WATER NO. 178-N, SEWER NO. 60-W-65
 - THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT (410) 313-1000
 - IT IS THE DEVELOPER'S RESPONSIBILITY TO PROVIDE CHAINS TO THE EXISTING EDGE LINE STRIPING TO REFLECT ALL CURBS, DRIVEWAYS, AND LANES AS SHOWN HEREON, GUILFORD RD. (MD. RT. 32 RE. 16A-20)
 - ALL DETAILS NOT SHOWN ARE REFERENCED TO HOWARD COUNTY STANDARD (VOL. 1)
 - THIS PLAN IS SUBJECT TO WAIVER PERMIT W.P. 15



- VICINITY MAP**
SCALE 1" = 2000'
- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, UNLESS OTHERWISE STIPULATED.
 - THE CONTRACTOR SHALL NOTIFY "MISS PILETS" AT 1-800-257-7777, AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF CONSTRUCTION INSPECTION AT (410) 792-7272, AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON IS BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS TO HIS OWN SATISFACTION PRIOR TO STARTING WORK.
 - ALL HORIZONTAL CONTROLS SHOWN ARE BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM (NAD 83).
 - ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - THERE ARE NO 100 YEAR FLOODPLAINS ON SITE.
 - TYPE OF STORMWATER MANAGEMENT CONTROL: NON-SUSTAINED RETENTION
 - THERE ARE NO WETLANDS ON THIS SITE.
 - STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.
 - EXISTING TREES WITH A TRUNK DIAMETER OF 20 INCHES OR GREATER, AND NOT HERETOFORE REQUIRED TO BE REMOVED FOR CONSTRUCTION SHALL BE PROTECTED BY A FENCE DURING THE ENTIRE TIME OF CONSTRUCTION. THE FENCING SHALL BE SHOW - FENCE OR EQUAL AND SECURELY PLACED NO CLOSER TO THE TRUNK THAN THE Drip - LINE OF THE TREE.
 - PER BOARD OF APPEALS ORDER THE ENTRANCE ROAD SHALL BE CHAINED WHEN THE FACILITY IS NOT IN USE.
 - ALL ADJACENT PROPERTIES ARE ZONED R-12.

SOILS

TYPE	NAME	HVC GROUP
DeB2	DELANCO	C
EnC2	ELSINBORO	B
MpB2	MONTALTO	C
MsD	MONTALTO	C
NeB2	NESHAMINY	B

HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286
PHONE: (410) 494-0001

ENGINEER'S CERTIFICATE

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.

Donald E. Hicks, P.E.
DONALD E. HICKS P.E.
DATE: 5/20/99

DEVELOPER'S CERTIFICATE

WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

John T. Glover
John T. Glover
DATE: Jan 10, 1998

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Clayton Simmons 3/13/98
Clayton Simmons
DATE: 3/13/98

U.S. D. NATURAL RESOURCES CONSERVATION SERVICE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Robert W. Ziehm
Robert W. Ziehm
DATE: 3/13/98

DISTRICT MANAGER
HOWARD SOIL CONSERVATION DISTRICT

INDEX OF SHEETS

- SITE DEVELOPMENT PLAN
- ROADS, DRAINS & SWM. DESIGNS
- EROSION & SEDIMENT CONTROL PLAN
- DETAILS & SPECIFICATIONS
- SIGN DISTANCE PLAN
- LANDSCAPE PLAN
- FOREST STAND DELINEATION
- FOREST CONSERVATION PLAN
- STORMWATER MANAGEMENT DESIGN DATA/SPECIFICATIONS
- STORMWATER MANAGEMENT DETAIL SHEET

APPROVED: DEPARTMENT OF PLANNING AND ZONING

James R. Keith 3/16/98
James R. Keith
DATE: 3/16/98

Clayton Simmons 3/16/98
Clayton Simmons
DATE: 3/16/98

Condy Hamilton 3/16/98
Condy Hamilton
DATE: 3/16/98

ADDRESS CHART

LOT NO.	STREET ADDRESS
	NO 2885 GUILFORD ROAD

SUBDIVISION NAME	SECT / AREA	LOT / PARCEL NO.
MARTIN LUTHER KING, JR COMMUNITY CHURCH		333 & 334
PLAT NO. OR L.F.	BLOCK NO.	ZONE
		R-12
TAX / ZONE MAP ELEC. DIST.	CENSUS TR.	
42	GTH	606109

PROJECT
MARTIN LUTHER KING, JR. COMMUNITY CHURCH

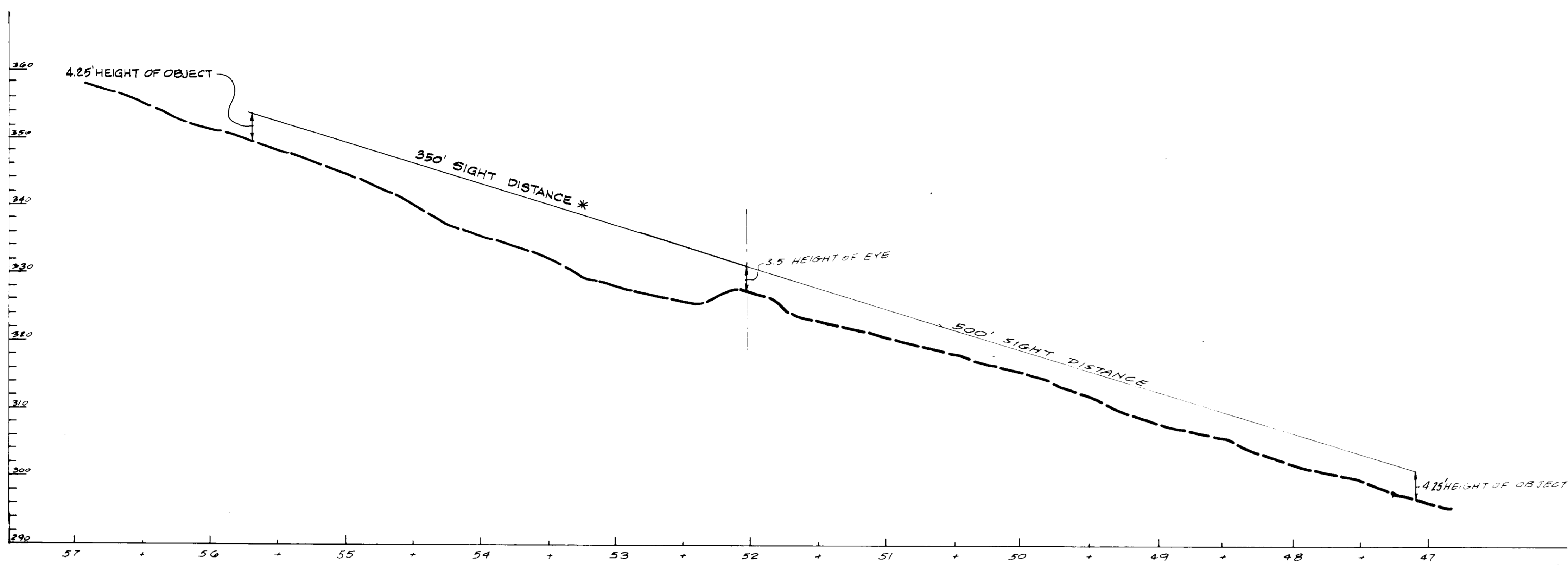
SITE DEVELOPMENT PLAN

6TH ELECTION DISTRICT
HOWARD COUNTY, MD.

PARCEL 333 - LIBER 133, FOLIO 634
PARCEL 334 - LIBER 137, FOLIO 301
DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 2624, FOLIO 468
PRIOR FILE NO. S.D.P. 91-103 / WP-38-15
Date: 5/20/98
Scale: As Shown

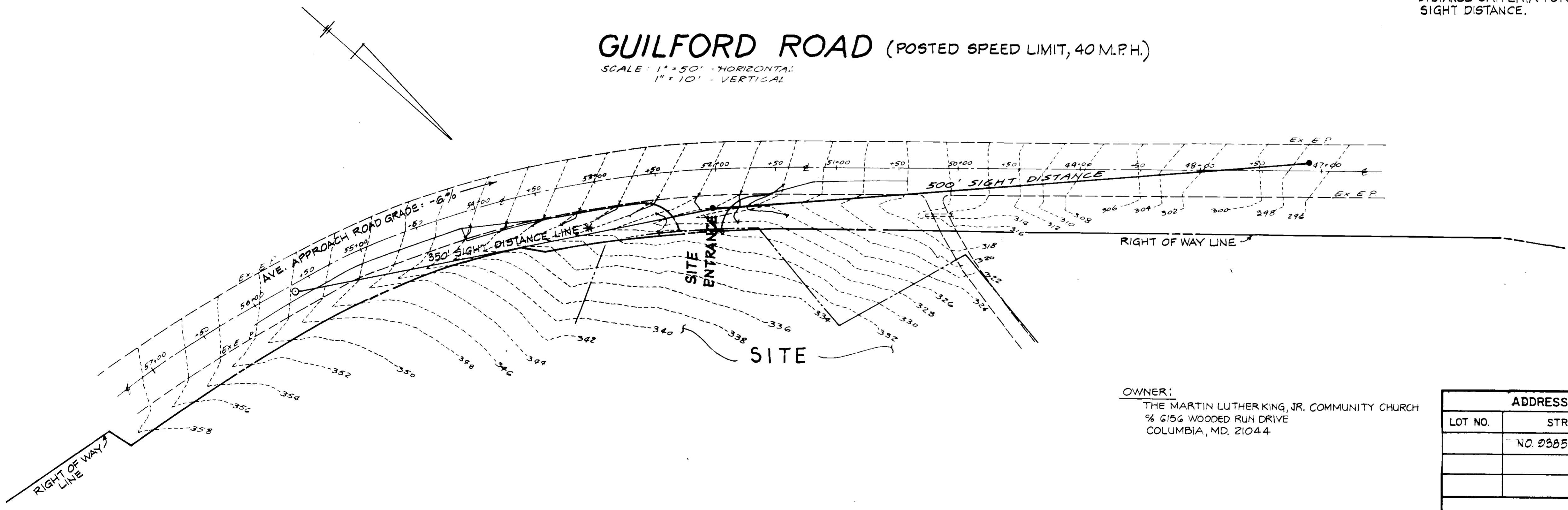
DES. KW. DRAWN: FW. CHK. SHEET 1 OF 10

THIS PLAN IS FOR SIGHT DISTANCE ONLY!



* NOTE: A DESIGN MANUAL WAIVER WAS APPROVED BY HOWARD COUNTY ON 3/10/97 TO USE STOPPING SIGHT DISTANCE CRITERIA FOR THE LEFT SIGHT DISTANCE.

GUILFORD ROAD (POSTED SPEED LIMIT, 40 M.P.H.)
 SCALE: 1" = 50' - HORIZONTAL
 1" = 10' - VERTICAL



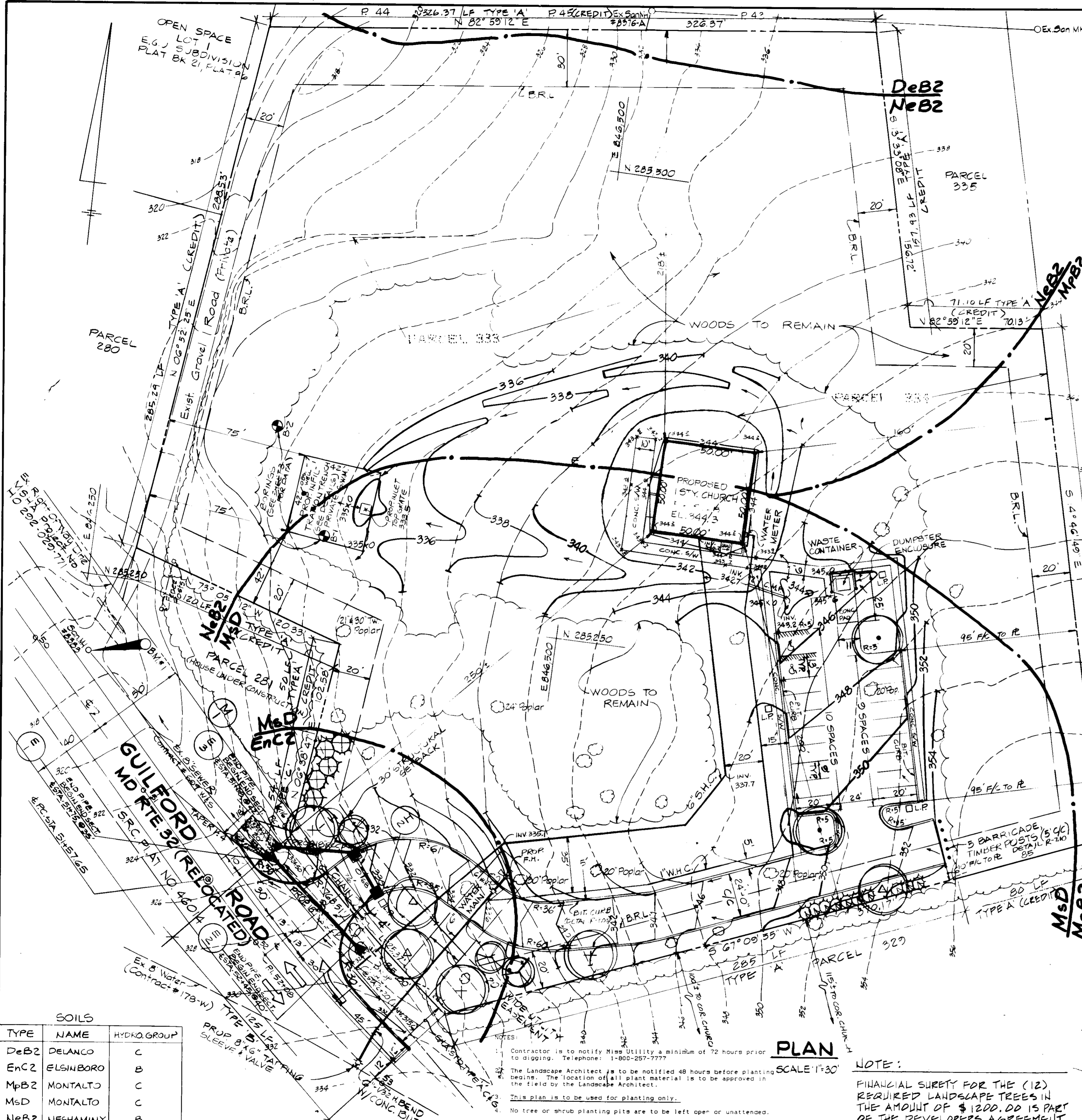
STATE OF MARYLAND
 DONALD E. HICKS, P.E.
 PROFESSIONAL ENGINEER
 No. 800
 PROFESSIONAL ENGINEERING
 SIGNATURE
 5/20/97
 DATE

OWNER:
 THE MARTIN LUTHER KING, JR. COMMUNITY CHURCH
 % 6156 WOODED RUN DRIVE
 COLUMBIA, MD. 21044

ADDRESS CHART		SUBDIVISION NAME		SECT. / AREA	LOT/PARCEL No.
LOT NO.	STREET ADDRESS	MARTIN LUTHER KING, JR. COMMUNITY CHURCH			333 & 334
	NO. 2335 GUILFORD ROAD	PLAT No. OR L/F	BLOCK No.	ZONE	TAX / ZONE MAP ELECT. DIST. CENSUS TR.
			16	R-12	42 G TH 6061.05
		WATER CODE	SEWER CODE		
		E-14	S 200400		

PROJECT
 MARTIN LUTHER KING, JR. COMMUNITY CHURCH
SIGHT DISTANCE PLAN
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 PARCEL 333 - LIBER 1331, FOLIO 634 } PRIOR DEEDS
 PARCEL 334 - LIBER 1377, FOLIO 301 } DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 3624, FOLIO 460
 PRIOR FILE NO. S.D.P. 01 103 ; WP-98-15
 Date: 5/20/97 Scale: As Shown
 DES: KW DRW: FW CHK: DEH SHEET 5 OF 10

<p>HICKS ENGINEERING CO., INC. ENGINEERS, SURVEYORS & PLANNERS 200 EAST JOPPA ROAD - SUITE 402 TOWSON, MARYLAND 21286</p>	<p>ENGINEER'S CERTIFICATE "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>Donald E. Hicks, P.E. 5/20/97 DONALD E. HICKS, P.E. DATE</p>	<p>DEVELOPER'S CERTIFICATE "I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."</p> <p>John W. Jones 3/2/98 DATE</p>	<p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.</p> <p>Cheryl Simms 3/2/98 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE</p> <p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: Robert W. Ziehm 3/2/98 DISTRICT MANAGER DATE HOWARD SOIL CONSERVATION DISTRICT</p>	<p>APPROVED: DEPARTMENT OF PLANNING AND ZONING</p> <p>3/16/98 DATE 3/16/98 DATE 3/16/98 DATE</p>
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PLANT LIST

KEY	QTY	BOTANICAL NAME COMMON NAME	SIZE	COND	REMARKS
(+)	3	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY MAPLE	2 1/2'-3' CAL	B B B	
(Δ)	3	QUERCUS PALUSTRIS PIN OAK	2 1/2'-3' CAL	B B B	
(●)	2	ZELKOVA SERRATA 'GREEN VASE' GREEN VASE ZELKOVA	2 1/2'-3' CAL	B C B	
(⊗)	3	PRUNUS YEDDENSIS YOSHINO CHERRY	1 1/2'-2' CAL	B B B	
(⊕)	5	PINUS STROBUS WHITE PINE	6'-8' HT	B B B	
(⊙)	10	VIBURNUM LEATHERLEAF LEATHERLEAF VIBURNUM	2 1/2'-3' HT	B B B	SPACE 4' O.C.

**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

Category	Adjacent to Roadways	Adjacent to Perimeter Properties		
Landscape Type	B	A	C	L
Linear Feet of Roadway Frontage/Perimeter	125 LF	295 LF	80 LF	1285 LF
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	40	40	YES	YES
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	40	40	40	40
Number of Plants Required				
Shade Trees	25	5	0	15
Evergreen Trees	3	0	0	0
Shrubs	0	0	0	3
Number of Plants Provided				
Shade Trees	4	3	0	5
Evergreen Trees	0	0	0	0
Other Trees (2:1 substitution)	0	2	0	0
Shrubs (10:1 substitution) (Describe plant substitution credits below if needed)	0	10	0	1

**SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING**

Number of Parking Spaces	19
Number of Trees Required	1
Number of Trees Provided	1
Shade Trees	1
Other Trees (2:1 substitution)	0

SITE ANALYSIS

AREA OF PARCEL: 4.71 ACRES OR 205028 SQ. FT.
 PRESENT ZONING: R-12 (SEE BOARD OF APPEALS ORDER IN CASE NO. BA 04-46 E/FV ON THIS SHEET)

PROPOSED USE OF STRUCTURE: SINGLE STORY CHURCH
 FLOOR AREA: 2800 SQ. FT.

PARKING REQUIRED:
 1 LEVEL ASSEMBLY AREA WITH NO FIXED SEATS
 (35' X 48' = 1680 SQ. FT.) 1680 / 100 = 17 SPACES

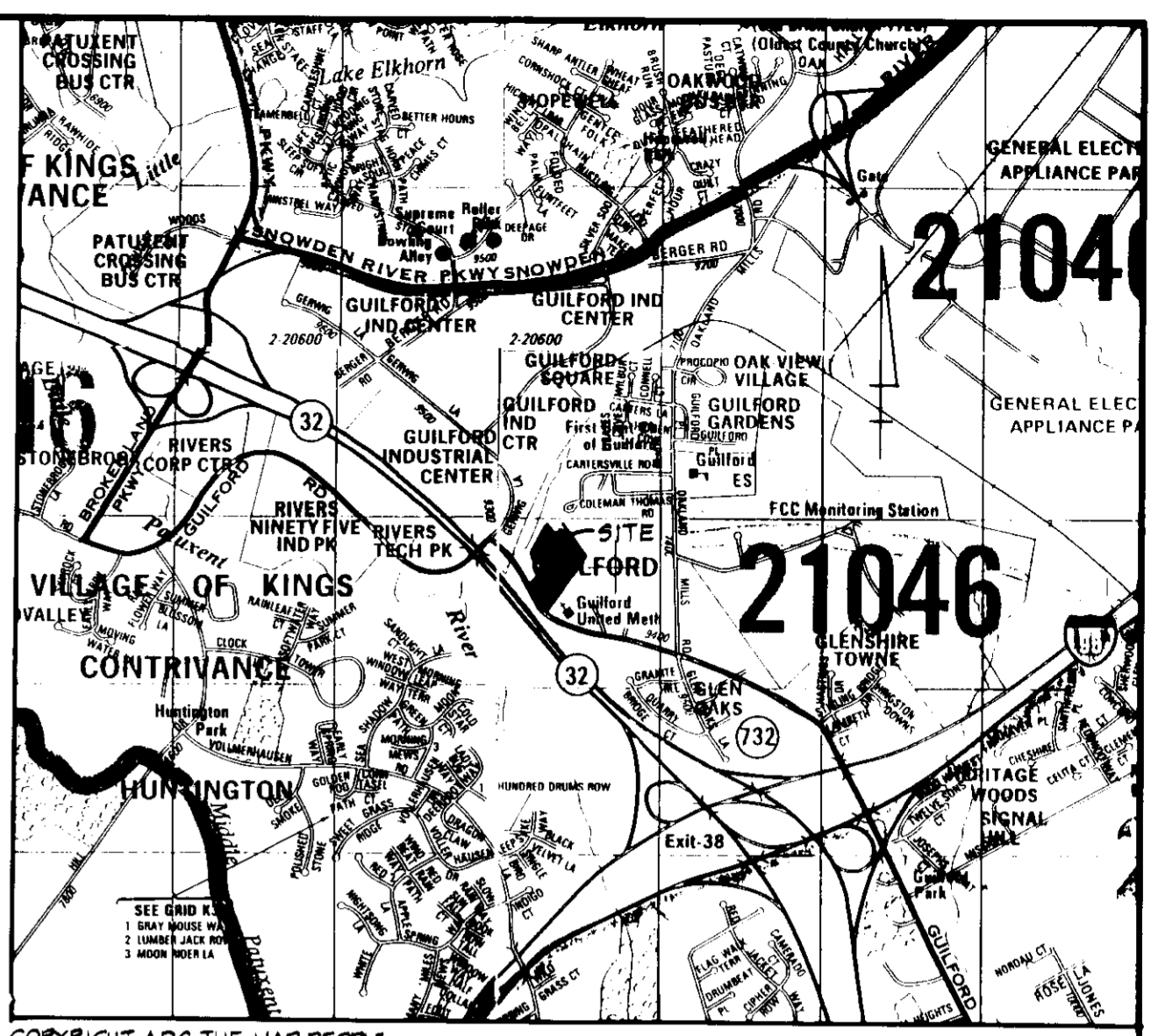
OFFICE SPACE:
 (8' X 11'-6" = 92.5 SQ. FT.) 92.5 / 33.3 = 3 SPACES

TOTAL PARKING REQUIRED = 18 SPACES
 PARKING PROVIDED = 19 SPACES
 BUILDING COVERAGE OF SITE: 0.45 ACRES (1.2% OF GROSS AREA)
 PAVED PARKING AND DRIVEWAY ON SITE: 0.95 ACRES (9.6% OF GROSS AREA)

NOTE:
 THIS PLAN IS TO BE USED FOR LANDSCAPING PURPOSES ONLY.

OWNER:
 THE MARTIN LUTHER KING, JR. COMMUNITY CHURCH
 96 GISE WOODEN RUN DRIVE
 COLUMBIA, MD. 21044

PREPARED BY:
 HUMAN & ROHDE, INC.
 Landscape Architects
 110 E. Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 825-3885



- VICINITY MAP**
 SCALE 1" = 200'
- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, UNLESS OTHERWISE STIPULATED.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777, AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF CONSTRUCTION INSPECTION AT (410) 792-7272, AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN HEREON IS BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS TO HIS OWN SATISFACTION PRIOR TO STARTING WORK.
 - ALL HORIZONTAL CONTROLS SHOWN ARE BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM.
 - ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 - TYPE OF STORMWATER MANAGEMENT CONTROL: INFILTRATION.
 - THERE ARE NO WETLANDS ON THIS SITE.
 - STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.
 - EXISTING TREES WITH A TRUNK DIAMETER OF 20 INCHES OR GREATER, AND NOT DIRECTLY REQUIRED TO BE REMOVED FOR CONSTRUCTION SHALL BE PROTECTED BY A FENCE DURING THE ENTIRE TIME OF CONSTRUCTION. THE FENCING SHALL BE SNOW - FENCE OR EQUAL AND SECURELY PLACED NO CLOSER TO THE TRUNK THAN THE DRIP - LINE OF THE TREE.
 - PER BOARD OF APPEALS ORDER THE ACCESS DRIVE SHALL BE CHAINED WHEN THE FACILITY IS NOT IN USE.
 - ALL ADJACENT PROPERTIES ARE ZONED R-12.

SOILS

TYPE	NAME	HYDRO.GROUP
DeB2	DELANCO	C
EnC2	ELSHIBORO	B
MpB2	MONTALTO	C
MsD	MONTALTO	C
NeB2	NESHAMINY	B

PLAN
 SCALE: 1"=30'

NOTE:
 FINANCIAL SURETY FOR THE (12) REQUIRED LANDSCAPE TREES IN THE AMOUNT OF \$1200.00 IS PART OF THE DEVELOPERS AGREEMENT.

ENGINEER'S CERTIFICATE
 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.

DEVELOPER'S CERTIFICATE
 I, WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Cheryl Simmons 3/3/98
 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Paul K... 3/16/98
 DATE
John Dammann 3/16/98
 CHIEF DEVELOPMENT ENGINEERING DIVISION
Conrad Hammett 3/16/98
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

HICKS ENGINEERING CO., INC.
 ENGINEERS, SURVEYORS & PLANNERS
 200 EAST JOPPA ROAD - SUITE 402
 TOWSON, MARYLAND 21286

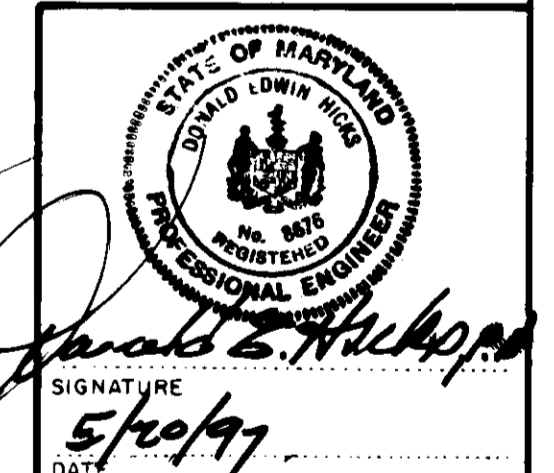
Donald E. Hicks, P.E. 5/26/97
 DONALD E. HICKS, P.E. DATE

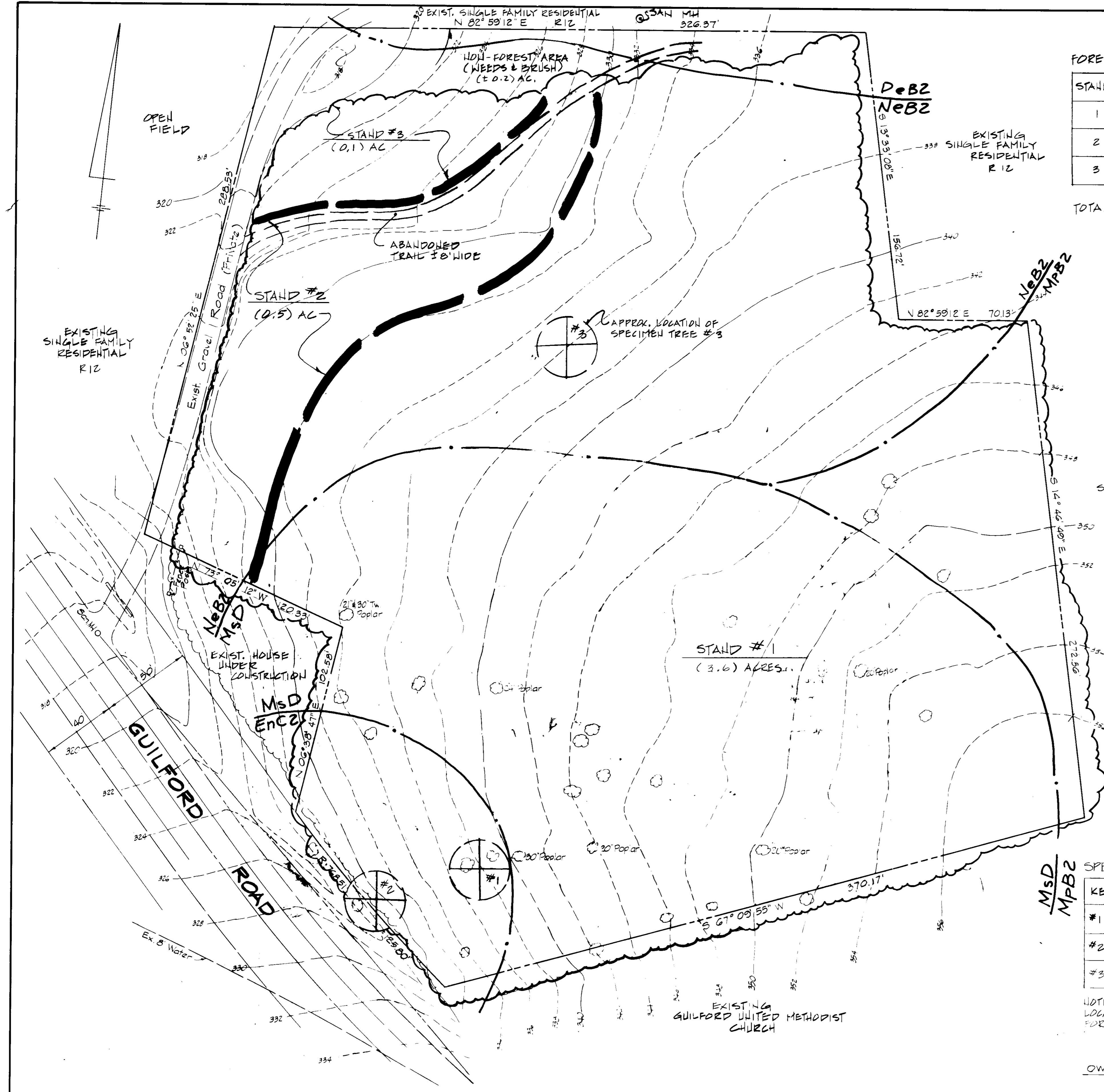
PROJECT
 MARTIN LUTHER KING, JR. COMMUNITY CHURCH
 LANDSCAPE PLAN

DATE: 1-25-95
 REVISED 9-8-95 AS PER CHTS. T.C.A. 2-1-94
 G TH ELECTION DISTRICT
 HOWARD COUNTY MD.

PARCEL 333 - LIBER 1331, FOLIO 634) PRIOR DEEDS
 PARCEL 334 - LIBER 1377, FOLIO 321)
 DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 3624, FOLIO 468
 PRIOR FILE NO. SPP 91-103; WP-78-15
 Date: 5/26/95 Scale: As Shown

DES: K.W. DRW: F.W. CHK: J.H. SHEET 6 OF 10
 S.D.P. 96-40





FOREST STAND DATA:

STAND #	TYPE	ACRES	SERIAL STAGE	STRUCTURE RATING	REMARKS
1	TULIP POPLAR	3.6	M	MED. GOOD	
2	MIXED OAK / HICKORY	0.5	M	HIGH GOOD	
3	SASSAFRAS, BOX-ELDER, B. CHESTNUT	0.1	F	POOR	INVASIVES (E. ALBATRUS)

TOTAL NO. OF SPECIMEN TREES ON-SITE = 3

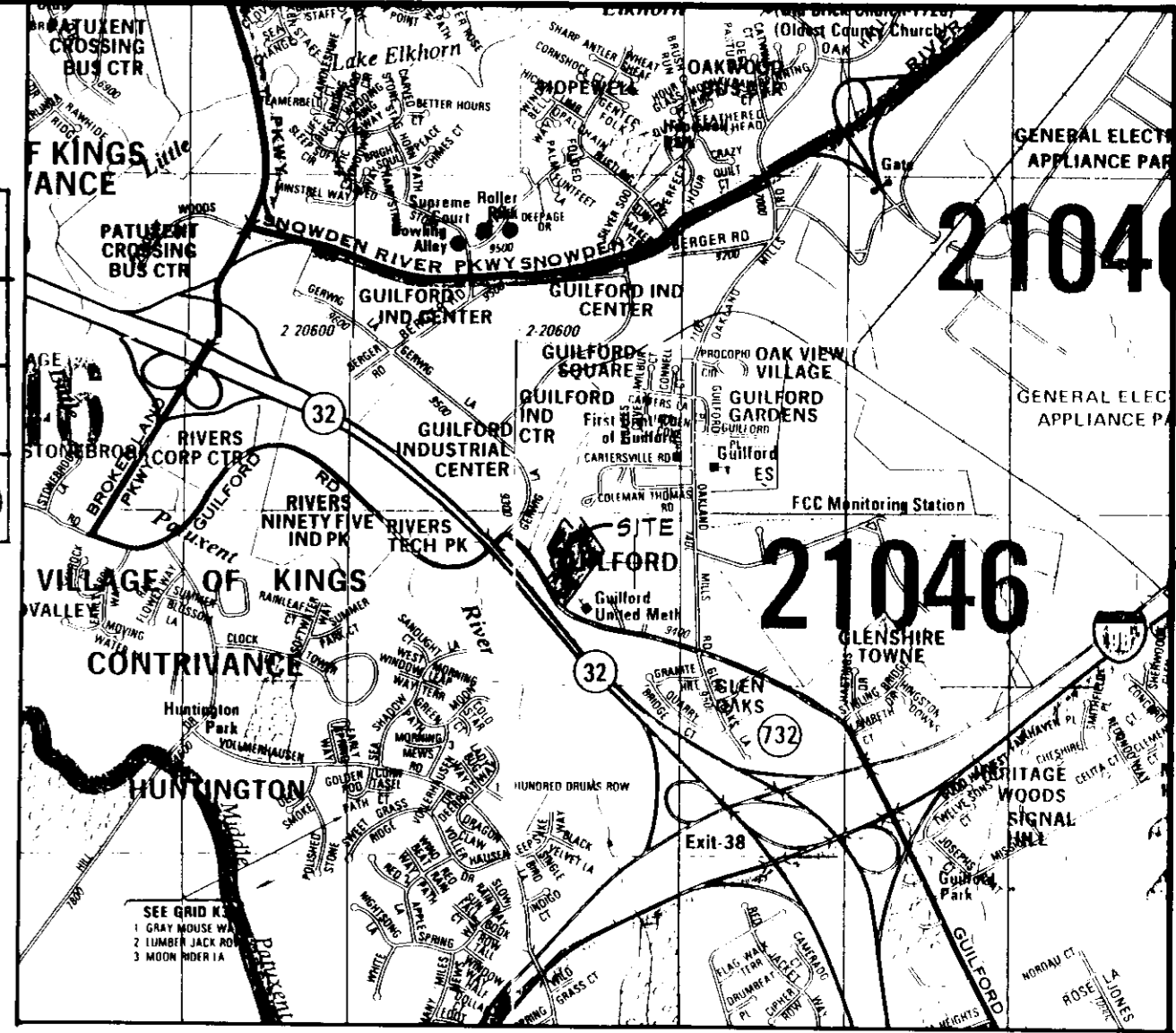
SOILS DATA

KEY	NAME	REMARKS
Msd	MONTALTO & RELAY VERY STONY SILT LOAM	
MpB2	MONTALTO SILT LOAM	
NeB2	NESHAMINY SILT LOAM	
DeB2	DELANCO SILT LOAM	
EnC2	ELSINBORO LOAM	

EXIST. SINGLE FAMILY RESIDENTIAL R12

SITE DATA

GROSS SITE AREA	4.7 AC
NET TRACT AREA	4.7 AC
ZONING / USE	R12 / INSTITUTIONAL
EXISTING FOREST	4.2 AC



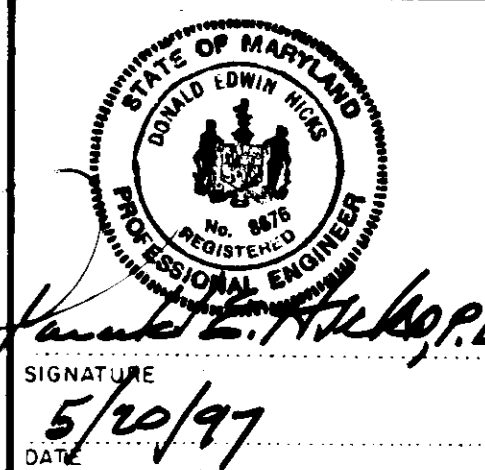
VICINITY MAP SCALE 1" = 2000'



THIS PLAN IS TO BE USED FOR FOREST CONSERVATION PURPOSES ONLY

FOREST STAND DELINEATION

SCALE 1" = 30'
 DATE 7-25-95 REVISED 9-8-95 AS PER CMTS. T. CALLAHAN
 PREPARED BY
 HUMAN & ROHDE, INC.
 Landscape Architects
 110 E. Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 825-3885



SPECIMEN TREE LIST

KEY	BOTANICAL NAME	DBH	CONDITION
#1	LIRIODENDRON TULIPIPERA	38"	GOOD
#2	L. TULIPIPERA	38"	GOOD
#3	L. TULIPIPERA	38"	GOOD

NOTE: SPECIMEN TREE #1 & #2 WERE FIELD LOCATED. THE LOCATION SHOWN ON THE PLAN FOR SPECIMEN TREE #3 IS APPROXIMATE

OWNER:
 THE MARTIN LUTHER KING, JR. COMMUNITY CHURCH
 96 GIBBS WOODS DRIVE
 COLUMBIA, MD 21044

ADDRESS CHART		SUBDIVISION NAME		SECT / AREA	LOT / PARCEL NO.
LOT NO.	STREET ADDRESS	MARTIN LUTHER KING, JR. COMMUNITY CHURCH		1	333 & 334 (NOW COMBINED)
	NO. 9385 GUILFORD ROAD	PLAT NO. OR L.P.	BLOCK NO.	ZONE	TAX / ZONE MAP ELECT. DIST. CENSUS TR.
				R-12	42 G TH 206103
		WATER CODE		SEWER CODE	
		E-14		S 200400	

PROJECT	
MARTIN LUTHER KING, JR. COMMUNITY CHURCH	
6TH ELECTION DISTRICT HOWARD COUNTY, MD.	
PARCEL 333 - LIBER 1331, FOLIO 634 - PRIOR DEEDS	
PARCEL 334 - LIBER 1317, FOLIO 331 - PRIOR DEEDS	
DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 3624, FOLIO 468	
DATE FILE NO. S.D.P. 01-100, WP-9B-15	
Date 5/26/95 Scale: As Shown	
DES: KW	DRW: F.W. CHK: SHEET 7 OF 10

HICKS ENGINEERING CO., INC.
 ENGINEERS, SURVEYORS & PLANNERS
 200 EAST JOPPA ROAD, SUITE 402
 TOWSON, MARYLAND 21286

ENGINEER'S CERTIFICATE
 "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"

Donald E. Hicks, P.E.
 DONALD E. HICKS, P.E.
 DATE 5/20/97

DEVELOPER'S CERTIFICATE
 "I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

John A. Glass
 DATE Jan 10, 1998

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Cheryl Simmons 3/3/98
 U.S. D.A. NATURAL RESOURCES CONSERVATION SERVICE

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

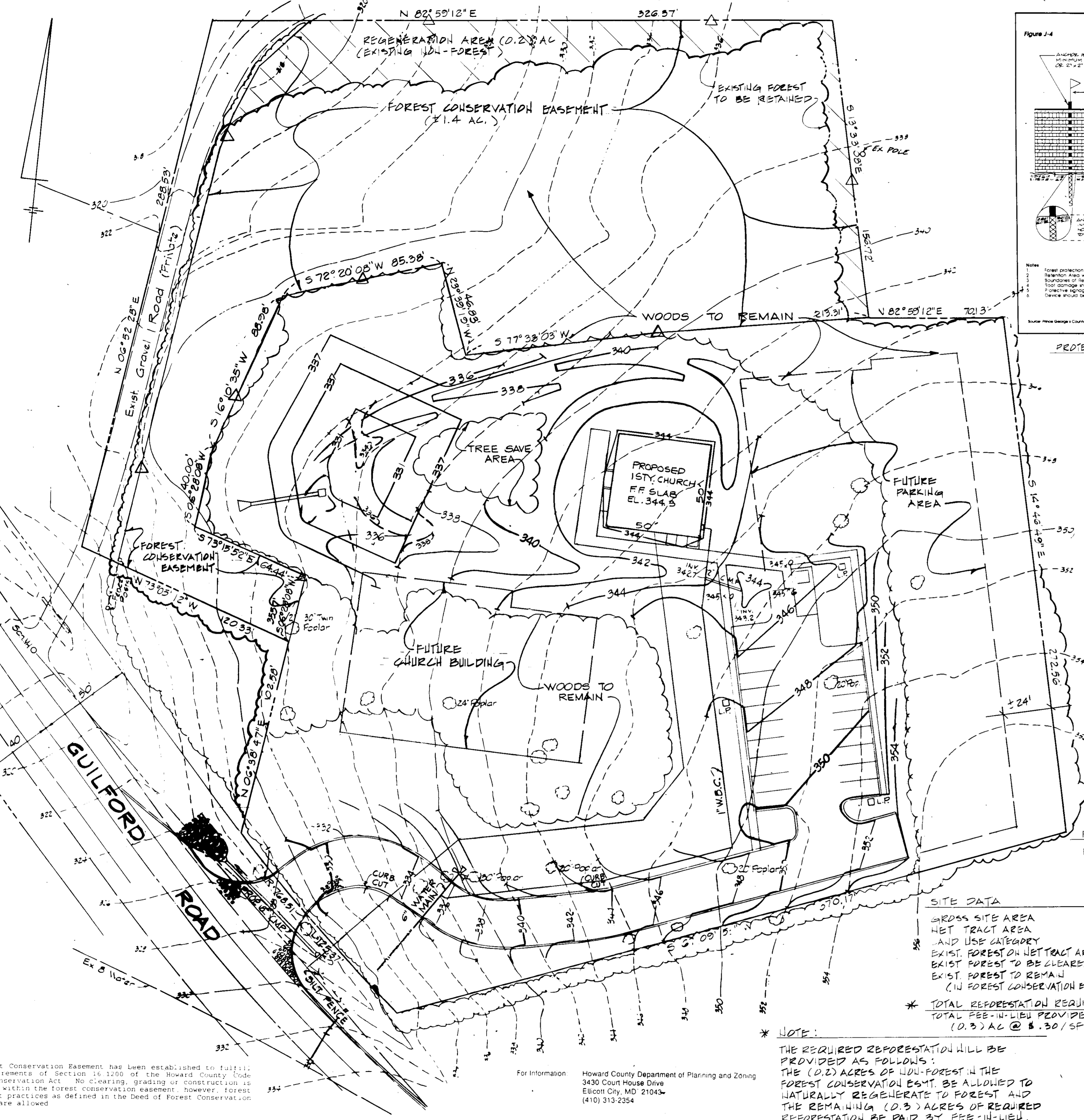
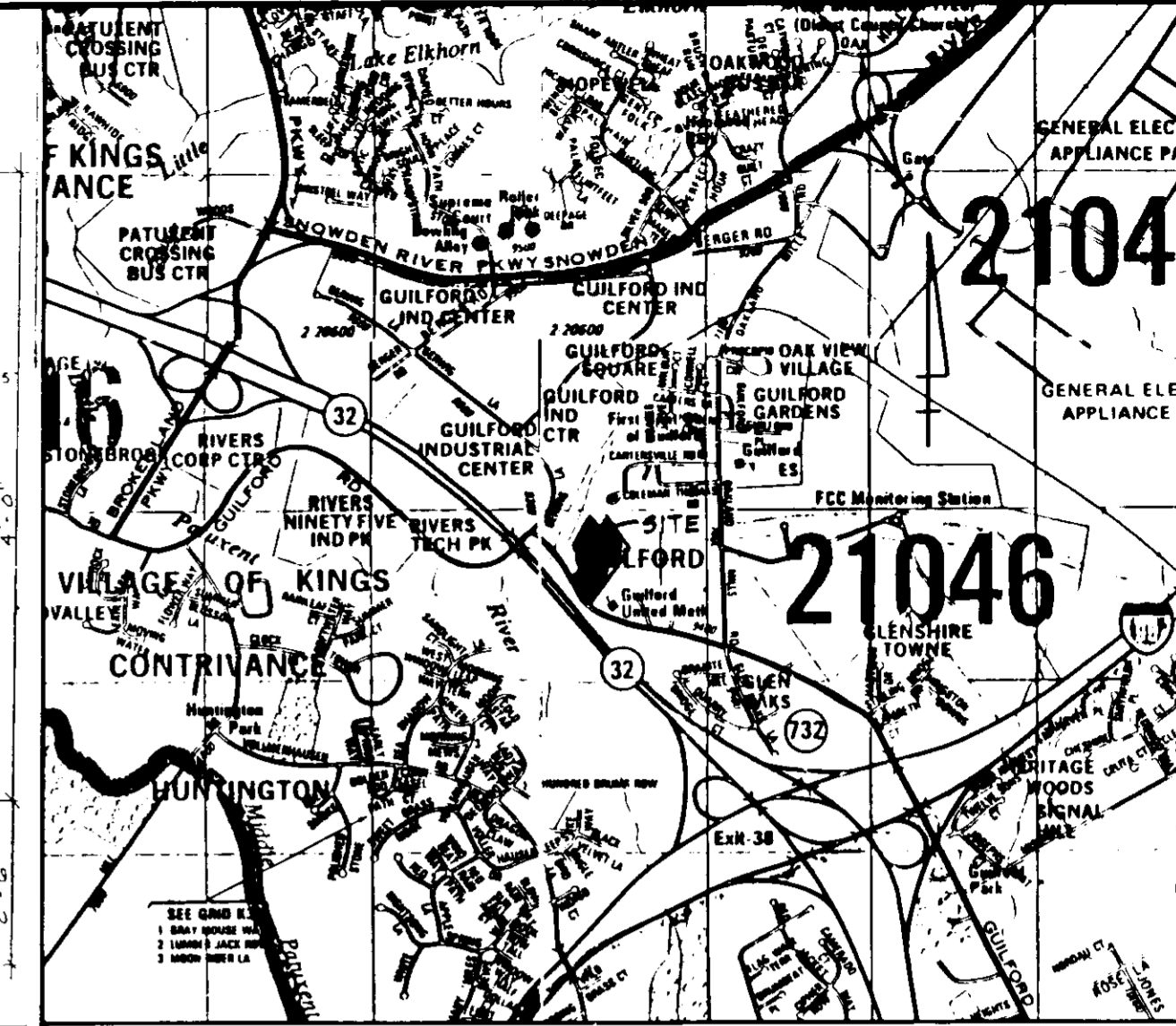
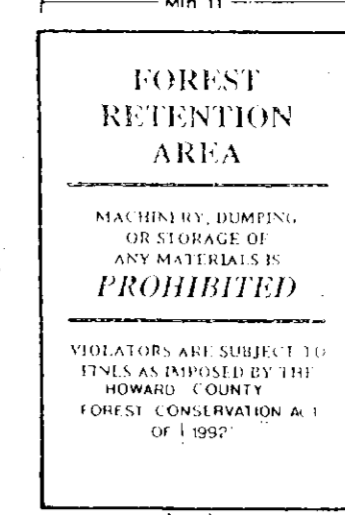
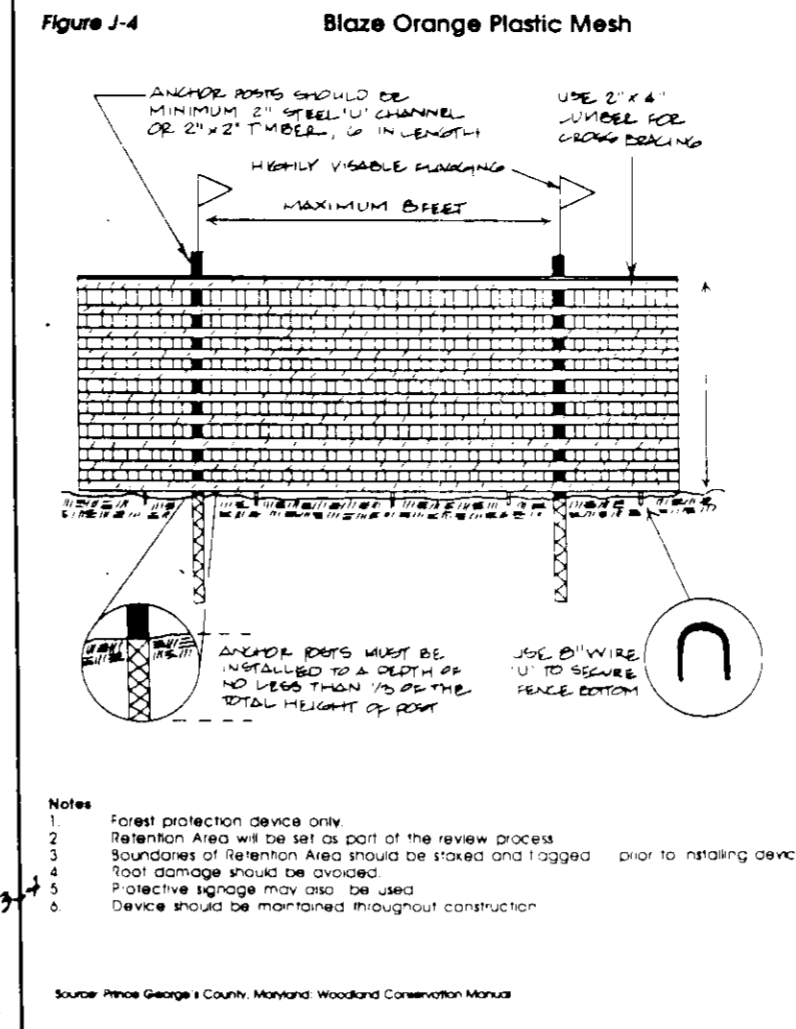
APPROVED:
Robert W. Ziehm 3/3/98
 DISTRICT MANAGER HOWARD SOIL CONSERVATION DISTRICT

APPROVED BY DEPARTMENT OF PLANNING AND ZONING

John Smith 3/16/98
 DIRECTOR

John Smith 3/16/98
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

John Smith 3/16/98
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH



PROTECTIVE FENCING

PROTECTIVE SIGNAGE

CONSTRUCTION SCHEDULE: W.L. King, Jr. Community Church, 7-17-95

1. Contractor is to stake and flag the sediment control measures, limit of disturbance, limit of clearing, and forest retention areas.
 2. Notify Tim Callahan at Howard County Department of Planning and Zoning at (410) 313-2354 to view the flagged limits.
 3. Install protective fencing and signage.
 4. Call Tim Callahan and Human & Rohde, Inc. (410) 825-3885 to schedule a pre-construction meeting after protective devices are in place and before any disturbance occurs.
 5. Install all sediment control devices.
 6. Begin clearing and grading.
 7. Monitor conditions of trees to be retained during construction and make corrective measures when appropriate. Decisions are to be made with the approval of Tim Callahan at Howard County and Human & Rohde, Inc.
 8. After construction is completed, remove protective fencing. Signage for retention areas shall remain in place.
 9. Following completion of construction, prior to use, Howard County shall inspect the site to ascertain condition of trees in retention areas. If necessary, implement corrective measures for stress reduction, repair of tree damage, and removal of dead or dying trees that pose a safety hazard.
- NOTES:
1. No equipment, machinery, vehicles, materials, or excessive pedestrian traffic shall be allowed within protected areas.
 2. All protective fencing shall be maintained throughout the construction period and shall remain in place until all construction has ceased.
 3. Attachment of signs or any other objects to trees is prohibited.

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING WOODS LINE
- PROPOSED WOODS LINE
- ORANGE PROTECTIVE FENCE
- PROTECTIVE SIGNAGE (9" SIGNS REQUIRED)
- FOREST REGENERATION AREA (0.2 AC)

FOREST CONSERVATION ESMT. AREA	
FOREST RETENTION AREA	1.2 AC
REGENERATION AREA	0.2 AC
TOTAL	1.4 AC

SITE DATA	
GROSS SITE AREA	= 4.7 ACRES
NET TRACT AREA	= 4.7 ACRES
LAND USE CATEGORY	= INSTITUTIONAL
EXIST. FOREST ON NET TRACT AREA	= 4.2 ACRES
EXIST. FOREST TO BE CLEARED	= 3.0 ACRES
EXIST. FOREST TO REMAIN (IN FOREST CONSERVATION ESMT.)	= 1.2 ACRES
TOTAL REFORESTATION REQUIRED	= 0.5 ACRES
TOTAL FEE-IN-LIEU PROVIDED (0.3) AC @ \$ 30/15F	= \$ 92040

NOTE:
THE REQUIRED REFORESTATION WILL BE PROVIDED AS FOLLOWS:
THE (0.2) ACRES OF LOW-FOREST IN THE FOREST CONSERVATION ESMT. BE ALLOWED TO NATURALLY REGENERATE TO FOREST AND THE REMAINING (0.3) ACRES OF REQUIRED REFORESTATION BE PAID BY FEE-IN-LIEU.

For Information: Howard County Department of Planning and Zoning
3430 Court House Drive
Ellicott City, MD 21043
(410) 313-2354

THIS PLAN IS NOT TO BE USED FOR SEDIMENT CONTROL.

THIS PLAN IS TO BE USED FOR FOREST CONSERVATION PURPOSES ONLY

PREPARED BY
HUMAN & ROHDE, INC.
Landscape Architects
110 E. Pennsylvania Avenue
Towson, Maryland 21286
(410) 825-3885



ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL NO.
LOT NO.	STREET ADDRESS	MARTIN LUTHER KING, JR. COMMUNITY CHURCH			333 & 334 (NOW COMBINED)
333 & 334	NO. 0385 GUILFORD ROAD	PLAT NO. OR L.P.	BLOCK NO.	ZONE	TAX./ZONE MAP ELECT. DIST. CENSUS TR.
			16	R-12	42 G TH 6061.03
		WATER CODE	SEWER CODE		
		E-14	S200400		
PROJECT					
MARTIN LUTHER KING, JR. COMMUNITY CHURCH FOREST CONSERVATION PLAN					
DATE 7-25-95					
REVISED 9-8-95 AS PER CHIT. T. CALLAHAN					
GTH ELECTION DISTRICT HOWARD COUNTY, MD.					
PARCEL 333-LIBER 1331, FOLIO 634, PRIOR DEEDS					
PARCEL 334-LIBER 1377, FOLIO 301					
DEED FOR COMBINATION OF PARCELS 333 & 334-LIBER 2624, FOLIO 463					
PRIOR FILE NO. S.D.P. 01-103; WP. 98-15					
Date: 5/16/95 Scale: 1"=30'					
DES:	DRW:	CHKD:	SHEET 3 OF 10		
			S.D.P. 06-40		

HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286

ENGINEER'S CERTIFICATE
"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."
Donald E. Hicks
DONALD E. HICKS, P.E.
DATE: 5/16/95

DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
John A. Blowers
DATE: June 16, 1995

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Charles Simmons
S.D.A. NATURAL RESOURCES CONSERVATION SERVICE
DATE: 3/13/98

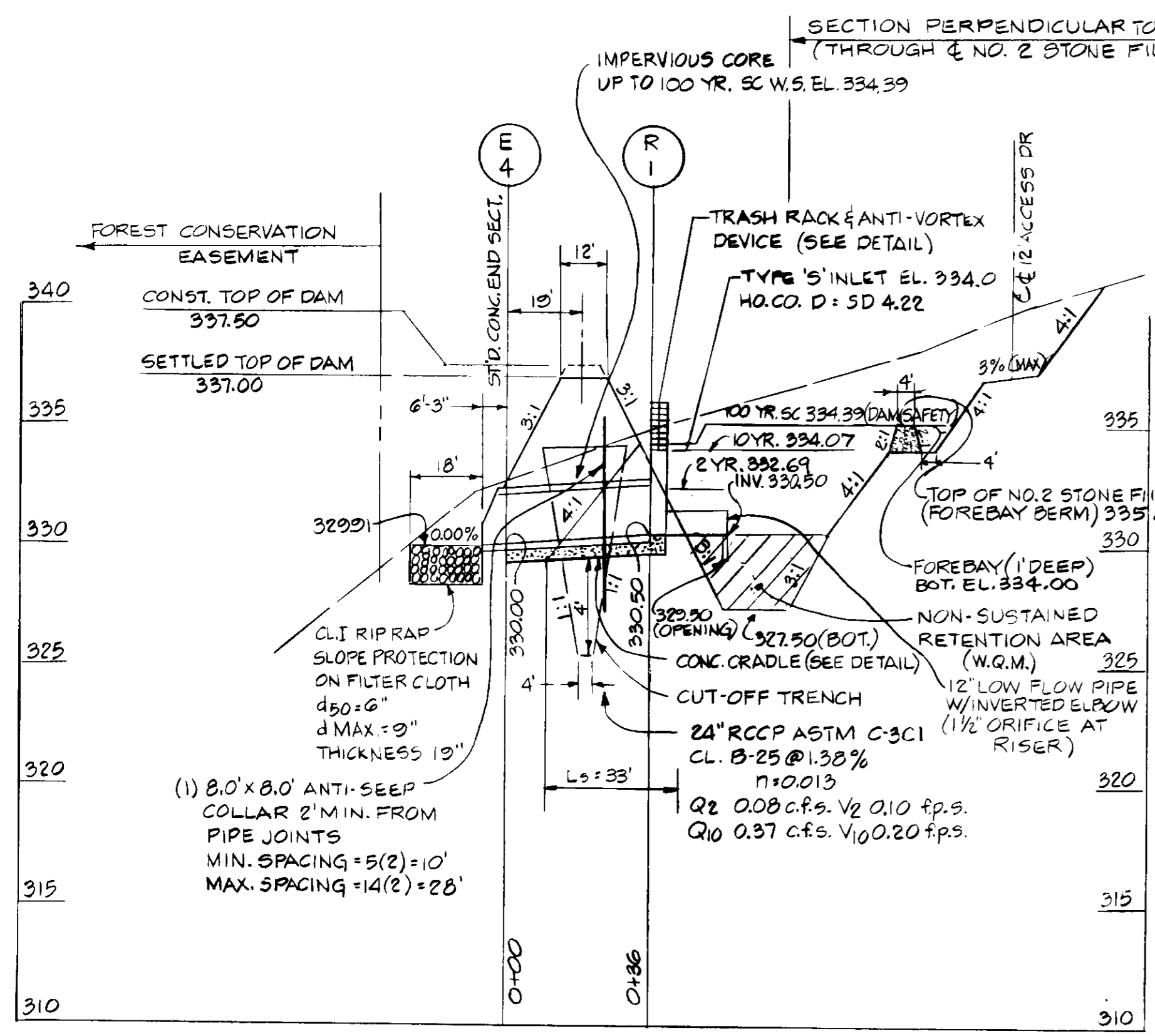
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
APPROVED:
Robert W. Zuhm
DISTRICT MANAGER
HOWARD SOIL CONSERVATION DISTRICT
DATE: 3/13/98

OWNER:
THE MARTIN LUTHER KING, JR. COMMUNITY CHURCH
96 6156 WOODED RUN DRIVE
COLUMBIA, MD 21044

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Paul R. Kutz
DIRECTOR
DATE: 3/16/98

Chris Dammus
CHIEF DEVELOPMENT ENGINEERING DIVISION
DATE: 3/16/98

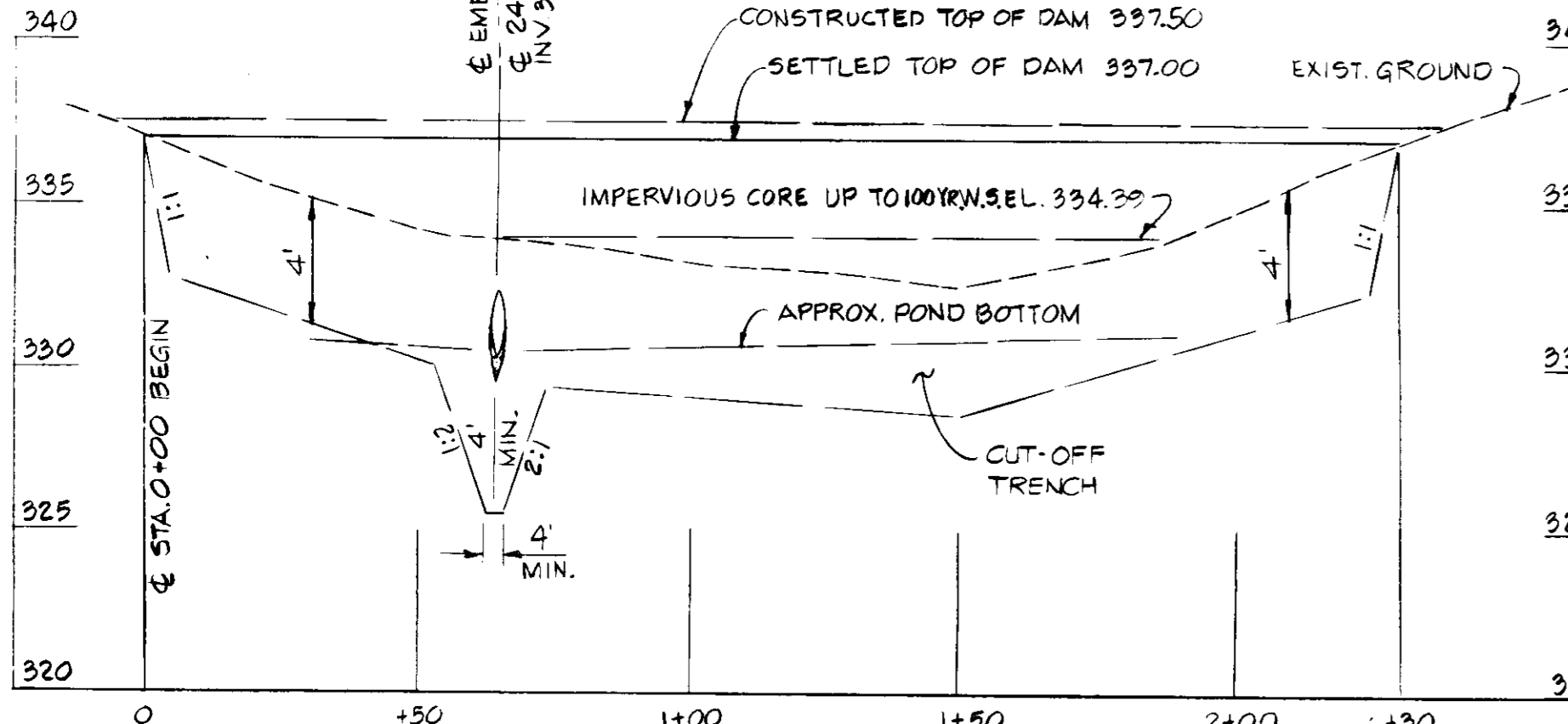
Chris Dammus
CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH
DATE: 3/16/95



PROFILE THROUGH PRINCIPAL SPILLWAY

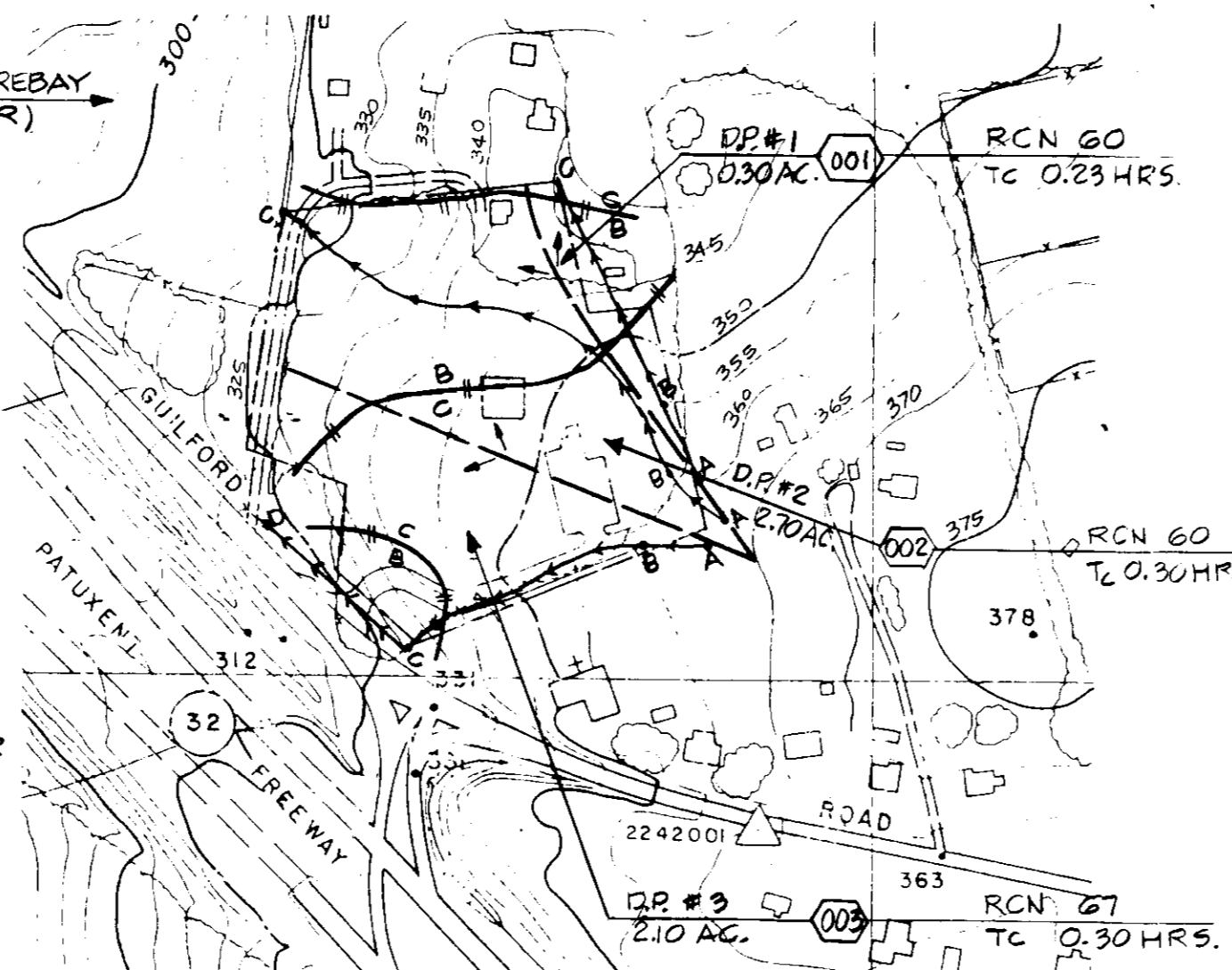
SCALE: HOR. 1" = 30'
VERT. 1" = 5'

NOTE: IMPERVIOUS CORE AND CUT-OFF TRENCH FILL MATERIAL TO CONFORM TO UNIFIED SOIL CLASSIFICATION GG, SC, CH OR CL.
IF UNSUITABLE (PERVIOUS) MATERIAL IS ENCOUNTERED AT TIME OF CUT-OFF TRENCH INSTALLATION DEEPER THAN FOUR (4) FEET BELOW POND BOTTOM, IT WILL BE NECESSARY TO EXTEND THE CUT-OFF TRENCH DOWN UNTIL SUITABLE MATERIAL IS ENCOUNTERED AS DETERMINED BY A GEO-TECHNICAL ENGINEER.



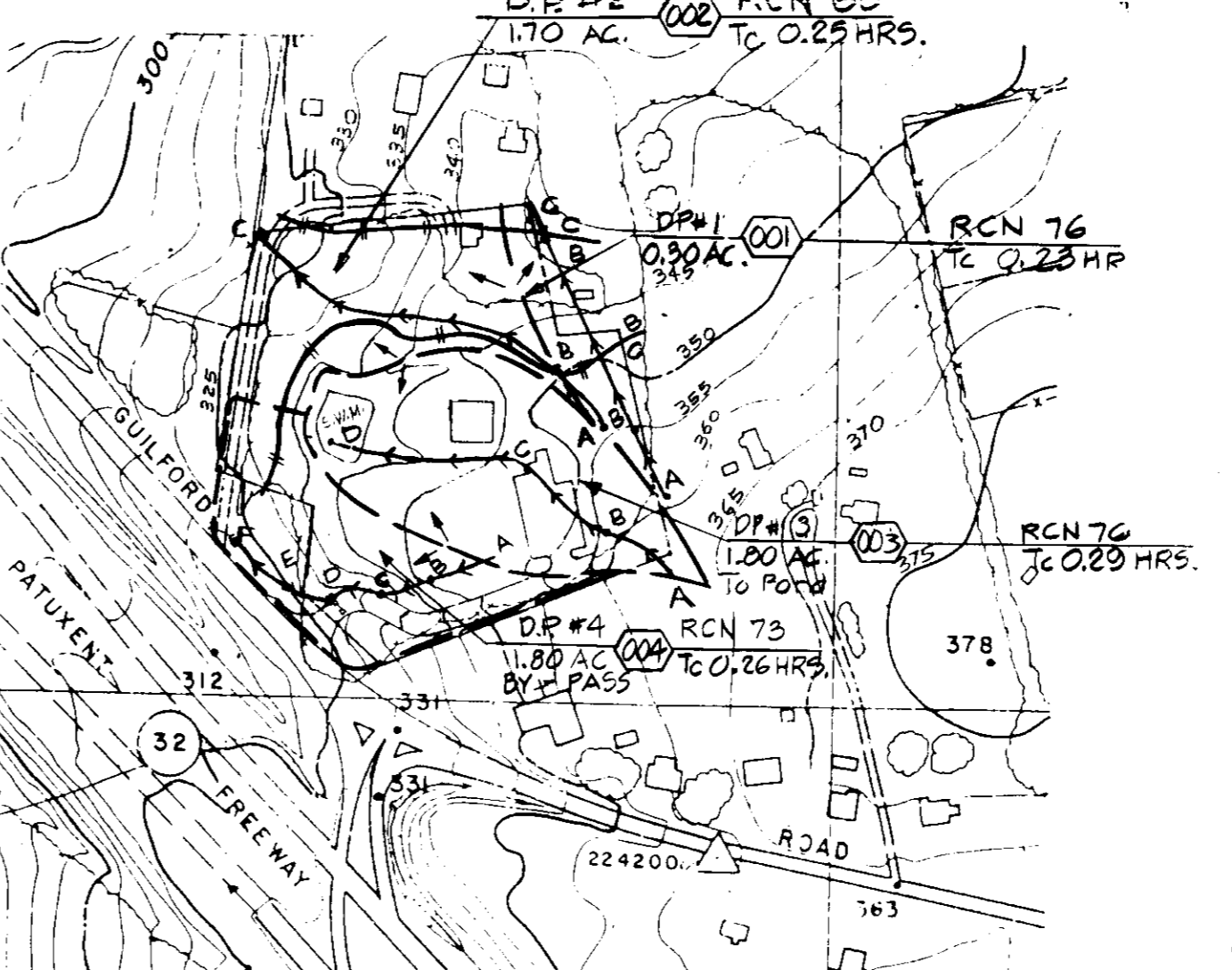
PROFILE ALONG & EMBANKMENT

SCALE: HOR. 1" = 30'
VERT. 1" = 5'



DRAINAGE AREA MAP EXISTING CONDITIONS

SCALE: 1" = 200'



DRAINAGE AREA MAP PROPOSED CONDITIONS

SCALE: 1" = 200'

DESIGN STORM	ALLOWABLE RELEASE RATE	FACILITY INFLOW	FACILITY DISCHARGE	WATER SURFACE ELEVATION	STORAGE VOL. (AC.FT.)	EX. DISCHARGE TO D.P.#3	PROP. DISCHARGE TO D.P.#3
2 YEAR	0.00 C.F.S.	2.23 C.F.S.	0.08 C.F.S.	332.69 FT.	0.078 AC.	1.38	1.24
10 YEAR	0.76 C.F.S.	5.15 C.F.S.	1.29 C.F.S.	334.07 FT.	0.196 AC.	4.21	3.54
100 YEAR	NA	8.66 C.F.S.	7.56 C.F.S.	334.36 FT.	0.221 AC.	NA	NA

STRUCTURE
TYPE - NON-SUSTAINED RETENTION, EMBANKMENT
STRUCTURE CLASS 'A'
DRAINAGE AREA TO POND = 1.80 AC.
STORAGE/HEIGHT PRODUCT = 0.507 AC.FT. x 6.50 FT. = 3.30 FT.
HEIGHT TO EMERGENCY SPILLWAY - NA
TOP WIDTH OF EMBANKMENT 12'

HYDRAULIC CRITERIA
PRINCIPAL SPILLWAY - 2YR & 10YR REQUIRED & PROVIDED
EMERGENCY SPILLWAY - NA
FREEBOARD 100 YR. + 2.66' > 2.0' FREEBOARD REQUIRED

STORM WATER MANAGEMENT POND CERTIFICATION AND APPROVAL

DEVELOPER CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM OF THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature of Developer: John J. Kloss
Date: Jan 10, 1998

ENGINEER CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

Signature of Engineer: Donald E. Hicks, P.E.
Date: 1/7/98

BORING LOG

PROEHLING & ROBERTSON, INC.

DEPTH (FEET)	DESCRIPTION	REMARKS
0.00	Surface	Top of ground
0.50	Fill	Compacted fill
1.00	Fill	Compacted fill
1.50	Fill	Compacted fill
2.00	Fill	Compacted fill
2.50	Fill	Compacted fill
3.00	Fill	Compacted fill
3.50	Fill	Compacted fill
4.00	Fill	Compacted fill
4.50	Fill	Compacted fill
5.00	Fill	Compacted fill
5.50	Fill	Compacted fill
6.00	Fill	Compacted fill
6.50	Fill	Compacted fill
7.00	Fill	Compacted fill
7.50	Fill	Compacted fill
8.00	Fill	Compacted fill
8.50	Fill	Compacted fill
9.00	Fill	Compacted fill
9.50	Fill	Compacted fill
10.00	Fill	Compacted fill
10.50	Fill	Compacted fill
11.00	Fill	Compacted fill
11.50	Fill	Compacted fill
12.00	Fill	Compacted fill
12.50	Fill	Compacted fill
13.00	Fill	Compacted fill
13.50	Fill	Compacted fill
14.00	Fill	Compacted fill
14.50	Fill	Compacted fill
15.00	Fill	Compacted fill
15.50	Fill	Compacted fill
16.00	Fill	Compacted fill
16.50	Fill	Compacted fill
17.00	Fill	Compacted fill
17.50	Fill	Compacted fill
18.00	Fill	Compacted fill
18.50	Fill	Compacted fill
19.00	Fill	Compacted fill
19.50	Fill	Compacted fill
20.00	Fill	Compacted fill
20.50	Fill	Compacted fill
21.00	Fill	Compacted fill
21.50	Fill	Compacted fill
22.00	Fill	Compacted fill
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23.00	Fill	Compacted fill
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24.00	Fill	Compacted fill
24.50	Fill	Compacted fill
25.00	Fill	Compacted fill
25.50	Fill	Compacted fill
26.00	Fill	Compacted fill
26.50	Fill	Compacted fill
27.00	Fill	Compacted fill
27.50	Fill	Compacted fill
28.00	Fill	Compacted fill
28.50	Fill	Compacted fill
29.00	Fill	Compacted fill
29.50	Fill	Compacted fill
30.00	Fill	Compacted fill

SPECIFICATIONS

These specifications are appropriate to all ponds within the scope of the Standard for Practice MD-378. All references to ASTM and AASHTO specifications apply to the most recent version.

Site Preparation

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp berms shall be sloped to no steeper than 1:1.

Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface. For dry stormwater management ponds, a minimum of a 50 foot radius around the inlet structure shall be cleared.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

Earth Fill

The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 6", frosts or other objectionable materials. Fill material for the center of the embankment and cut off trench shall conform to Unified Soil Classification GC, SC, CH, or CL. Consideration may be given to the use of other materials in the embankment design and construction are supervised by a geotechnical engineer.

Placement - Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into the embankment.

Compaction - The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one track tread of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out.

The minimum required density shall not be less than 95% of maximum dry density with a moisture content within $\pm 2\%$ of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99.

Cut Off Trench - The cutoff trench shall be excavated into impervious material along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation, with the minimum width being four feet. The depth shall be at least four feet below existing grade or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill shall be compacted with construction equipment, rollers, or hand tampers to assure maximum density and minimum permeability.

Structure Backfill

Backfill adjacent to pipes or structures shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other manually directed compaction equipment. The material needed to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe, unless there is a compacted fill of 24" or greater over the structure or pipe.

Backfilling

Backfilling shall conform to "Structure Backfill."

Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

Reinforced Concrete Pipe - If of the following criteria shall apply for reinforced concrete pipe:

- Materials - Reinforced concrete pipe shall have bell and gasket joints with rubber gaskets and shall equal or exceed ASTM Designation C-361.
- Bedding - All reinforced concrete pipe shall be laid in a concrete bedding for full pipe length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 10% of its outside diameter with a minimum thickness of 3 inches, or as shown on the drawings.
- Laying pipe - Bell and gasket pipe shall be placed with the bell end up. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire length, the bedding shall be placed in all spaces under the pipe to be filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe. The first joint must be located within 2 feet from the rise.
- Backfilling shall conform to "Structure Backfill."
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

Filter Cloth - Microfil 14-N or equivalent

GABIONS - All gabions to be Class III, wire to be PVC coated.

OPERATION, MAINTENANCE AND INSPECTION

Inspection of the pond(s) shown hereon shall be performed at least annually, in accordance with the checklist and requirements contained within USDA, SCS "Standards and Specifications For Ponds" (MD-178). The pond owner(s) and any heirs, successors, or assigns shall be responsible thereof. The pond owner(s) shall promptly notify the Soil Conservation District of any unusual observations that may be indications of distress such as excessive seepage, turbid seepage, slumping or slumping.

HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286

ENGINEER'S CERTIFICATE

"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: Donald E. Hicks, P.E.
Date: 5/26/95

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: John J. Kloss
Date: Jan 10, 1998

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: Robert W. Johnson
Date: 3/3/98

APPROVED: Robert W. Johnson, District Manager, Howard Soil Conservation District

OWNER:

THE MARTIN LUTHER KING, JR. COMMUNITY CHURCH
70 GIBB WOODS DRIVE
COLUMBIA, MARYLAND 21044

APPROVED: Department of Planning and Zoning
Signature: [Signature]
Date: 3/16/95

CHIEF, DEVELOPMENT ENGINEERING DIVISION
Signature: [Signature]
Date: 3/16/95

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
Signature: [Signature]
Date: 3/16/95

ADDRESS CHART

LOT NO.	STREET ADDRESS	SUBDIVISION NAME	SECT./AREA	LOT/PARCEL NO.
		MARTIN LUTHER KING, JR. COMMUNITY CHURCH		333 & 334 (NOW COMBINED)
	NO. 9385 GUILFORD ROAD	PLAT NO. OR L/F	BLOCK NO.	ZONE
				R-12
			TAX/ZONE MAP ELECT. DIST. CENSUS TR.	42 GTH 606103
		WATER CODE	SEWER CODE	
		E-14	S 200400	

PROJECT

MARTIN LUTHER KING, JR. COMMUNITY CHURCH

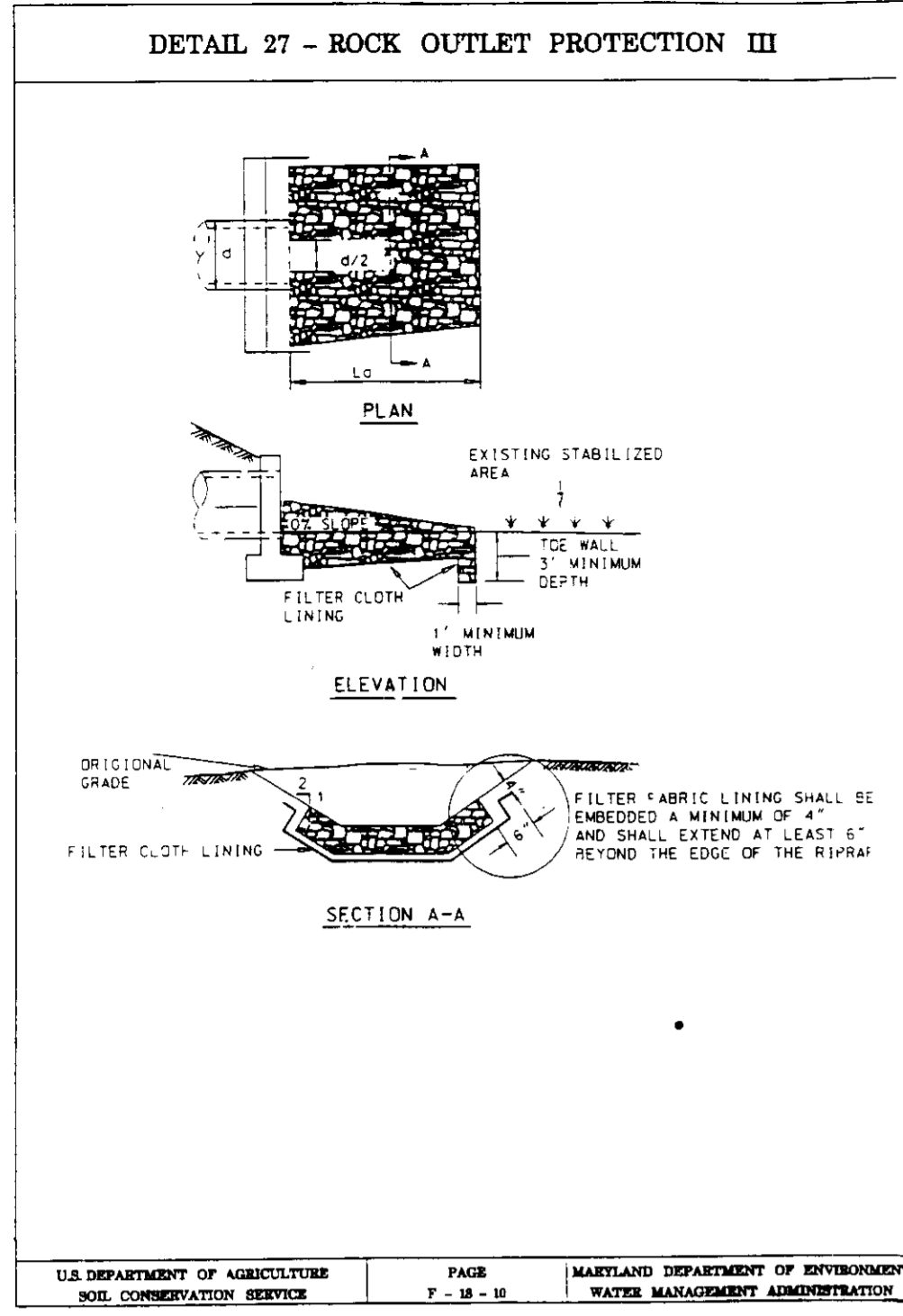
STORMWATER MANAGEMENT DESIGN DATA/SPECIFICATIONS

GTH ELECTION DISTRICT
HOWARD COUNTY, MD

PARCEL 333 - LIBER 1331, FOLIO 684; PARCEL 334 - LIBER 1331, FOLIO 691; PRIOR DEEDS DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 3624, FOLIO 468; PRIOR FILE NO. S.D.P. 91-103, W.P. 98-15

Date: 5/26/95 Scale: As Shown

DES: K.W. DRW: E.W. CHK: O.E.H. SHEET 9 OF 10

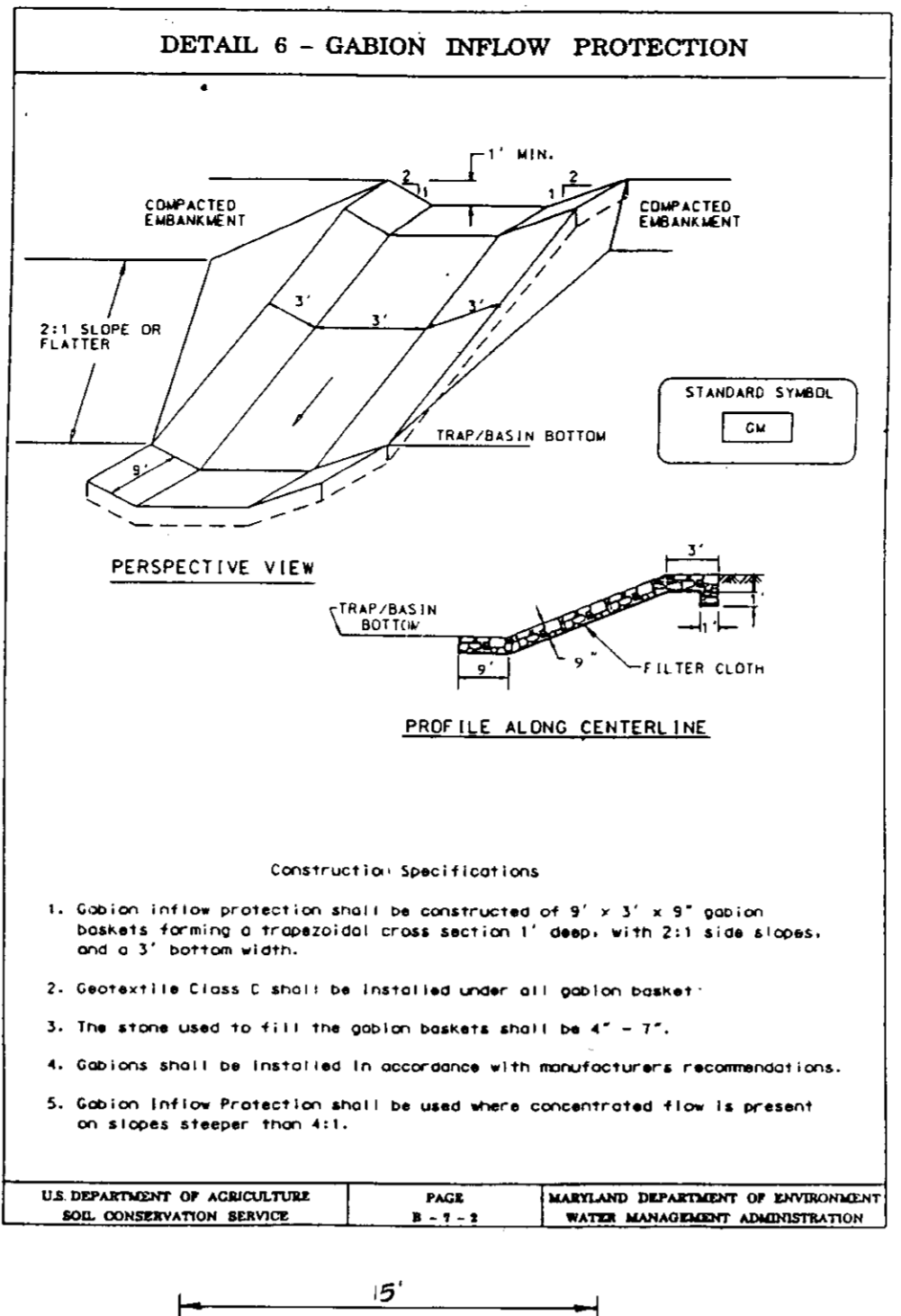


ROCK OUTLET PROTECTION III

Construction Specifications

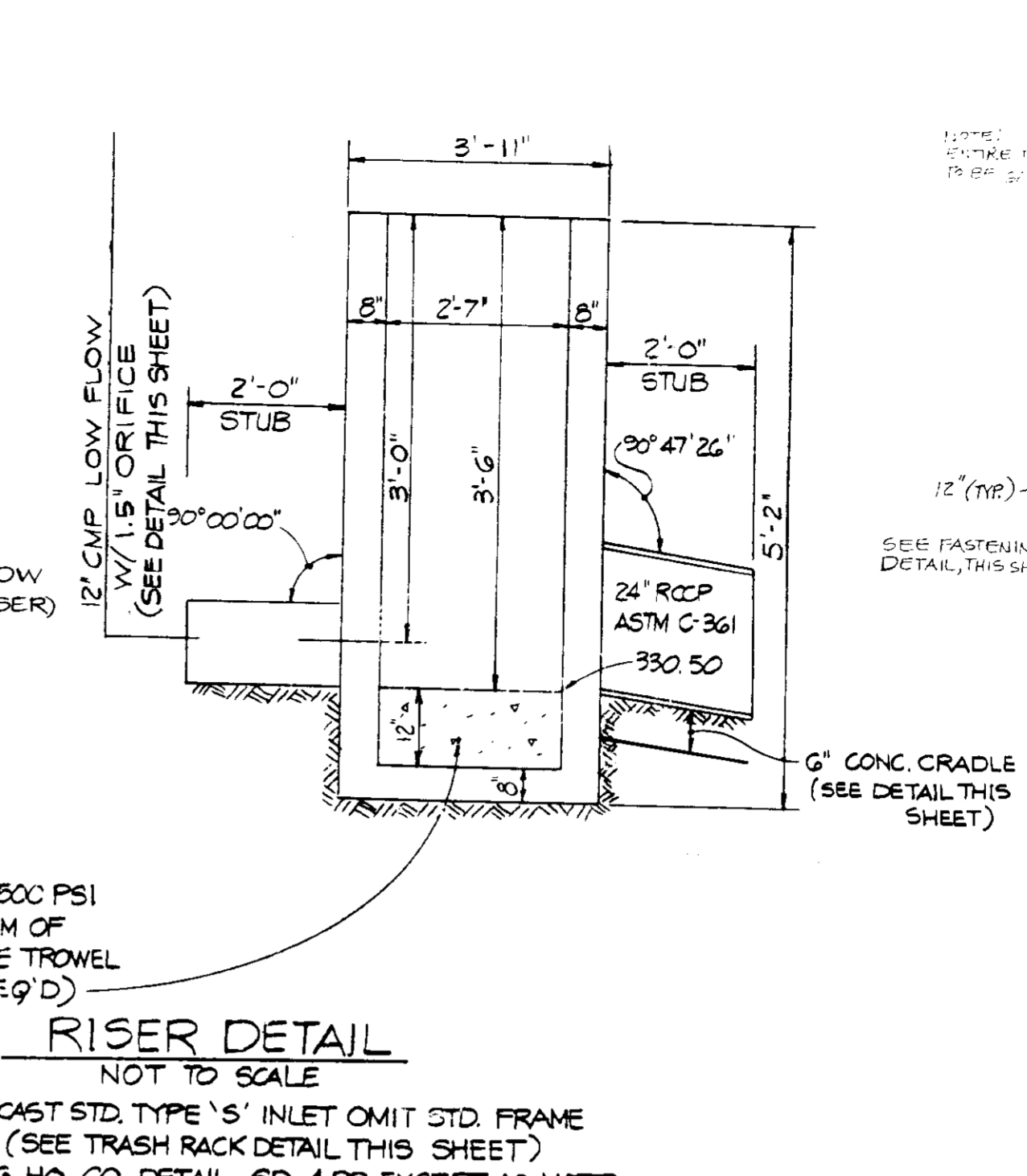
- The substrate for the filter, rip-rap, or gabion shall be prepared to the required lines and grades. Any fill required in the substrate shall be compacted to a density of approximately that of the surrounding undisturbed material.
- The rock or gravel shall conform to the specified grading limits when installed respectively in the rip-rap or filter.
- Geotextile shall be protected from punching, cutting, or tearing. Any damage other than occasional small hole shall be repaired by placing another piece of geotextile over the damaged part or by completely replacing the geotextile. All overlaps whether for repairs or for joining two pieces of geotextile shall be a minimum of one foot.
- Stone for the rip-rap or gabion outlets may be placed by equipment. They shall be constructed to the full course thickness in one operation and in such a manner as to avoid displacement of underlying materials. The stone for rip-rap or gabion outlets shall be laid out in a manner that will ensure that it is reasonably homogeneous with the smaller stones and spalls filling the voids between the larger stones. Rip-rap shall be placed in a manner to prevent damage to the filter below or geotextile. Hand placement will be required to the extent necessary to prevent damage to the permanent works.
- The stone shall be pinned so that it blends in with the existing ground. If the stone is placed too high then the flow will be forced out of the channel and scour adjacent to the stone will occur.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 7 - 10 - 10 MARYLAND DEPARTMENT OF ENVIRONMENTAL WATER MANAGEMENT ADMINISTRATION



Construction Specifications

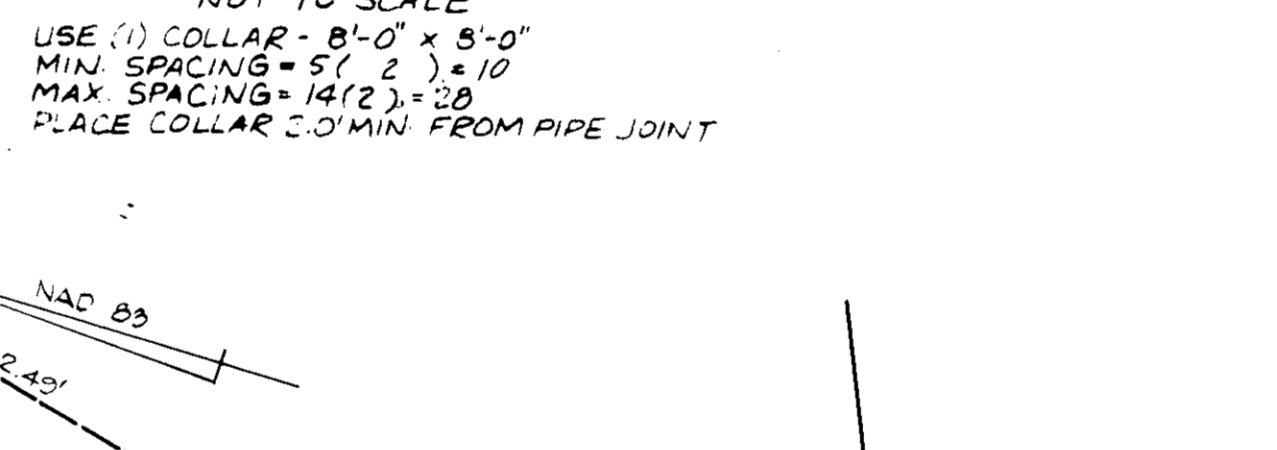
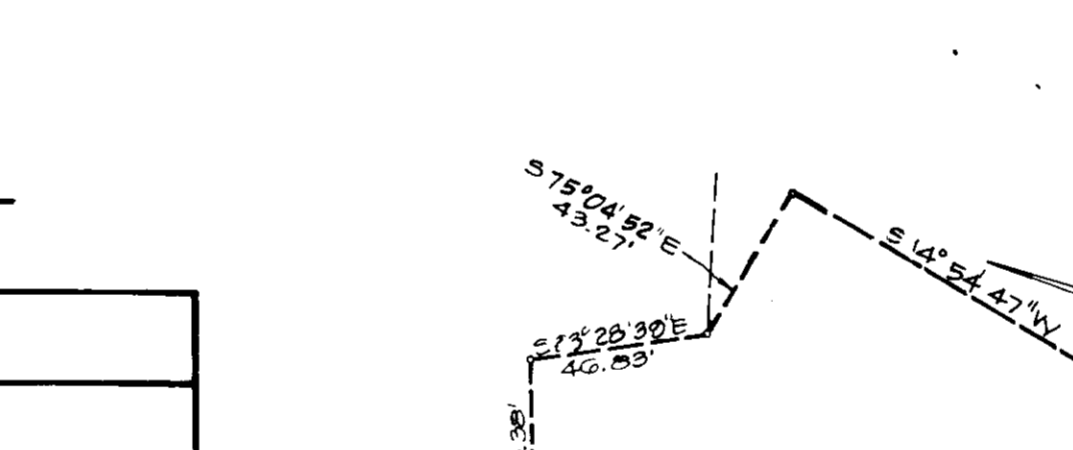
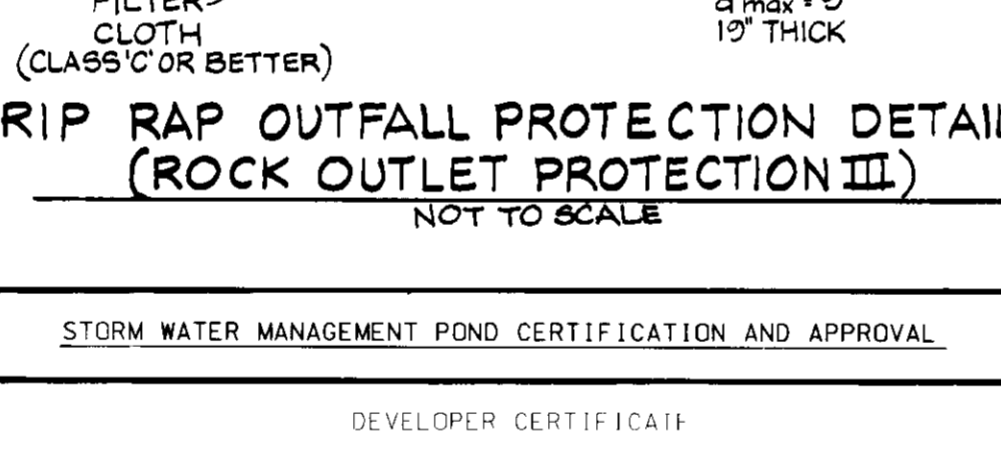
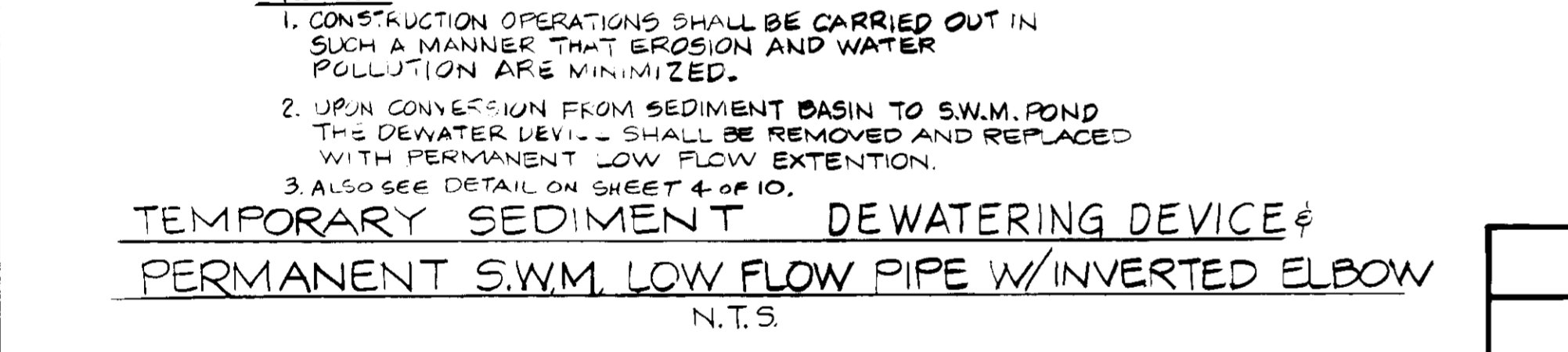
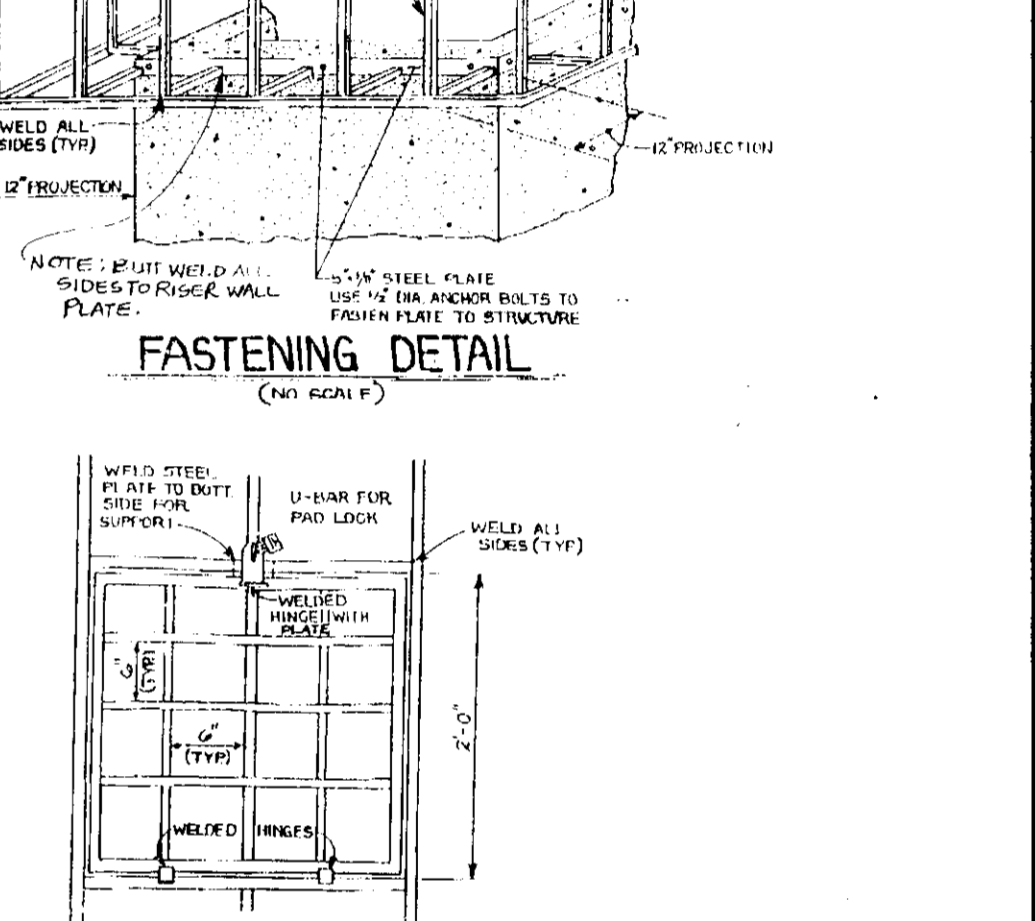
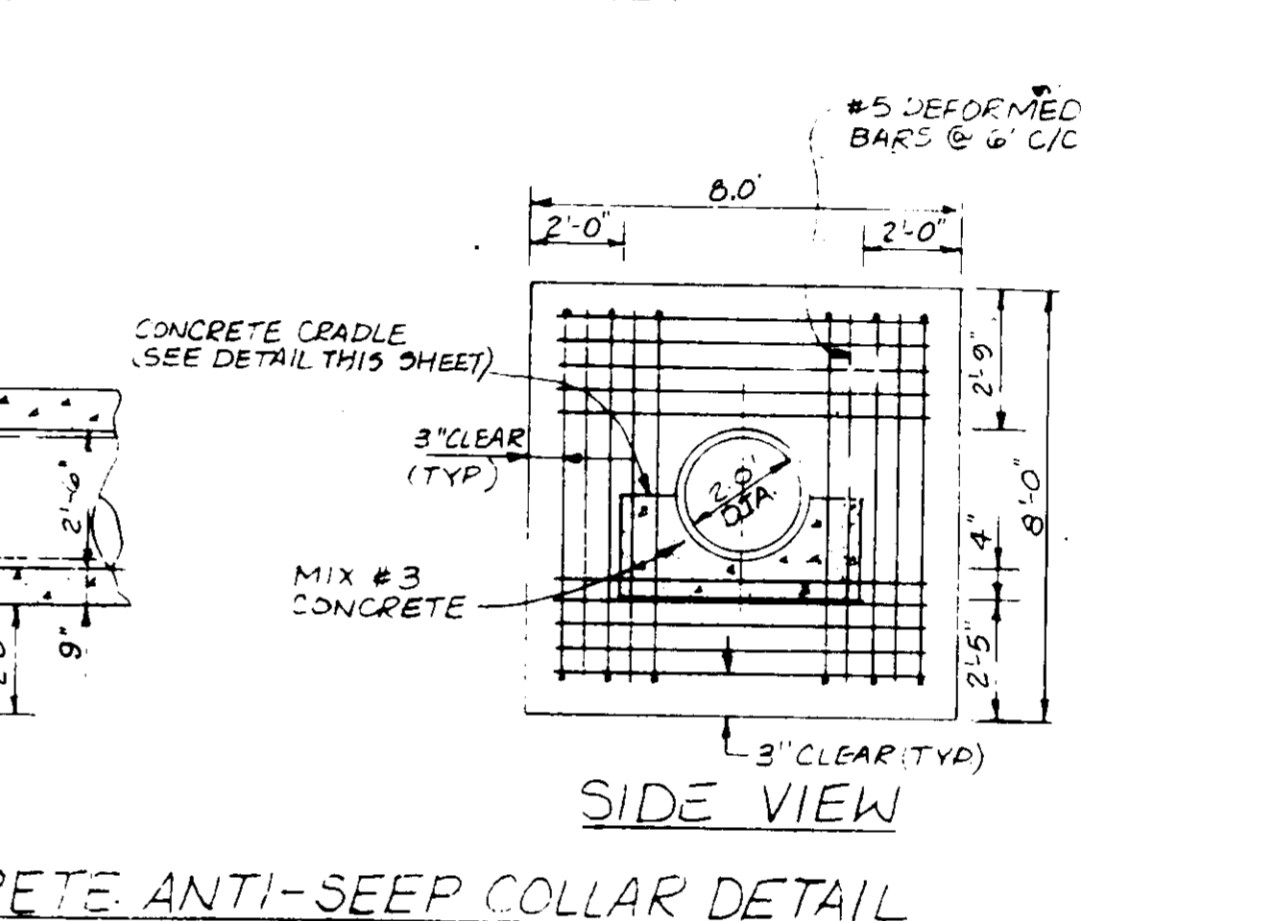
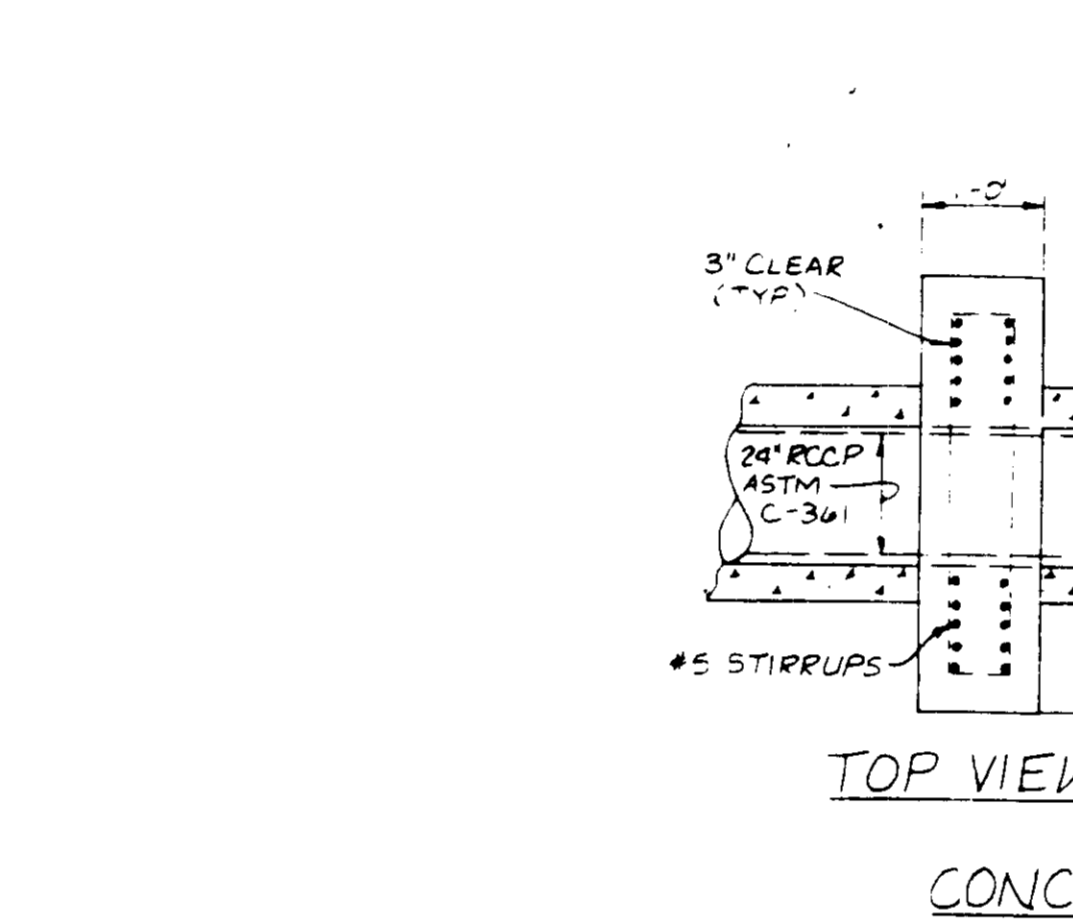
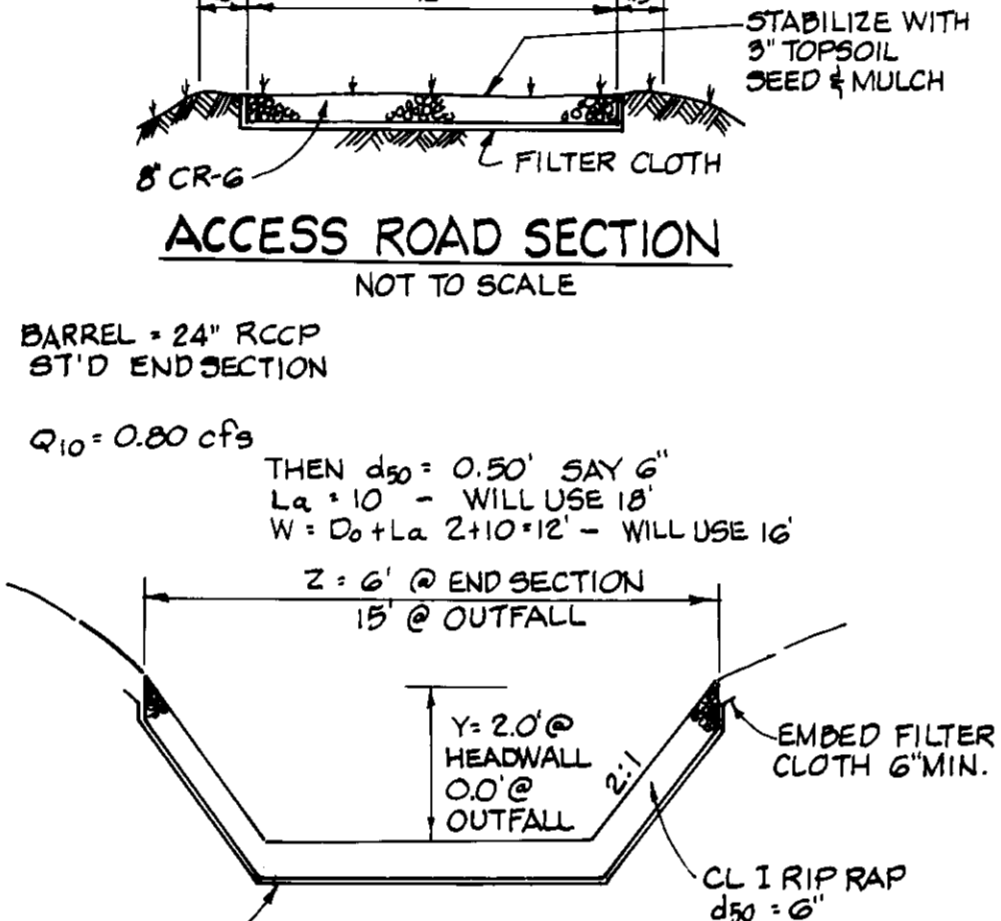
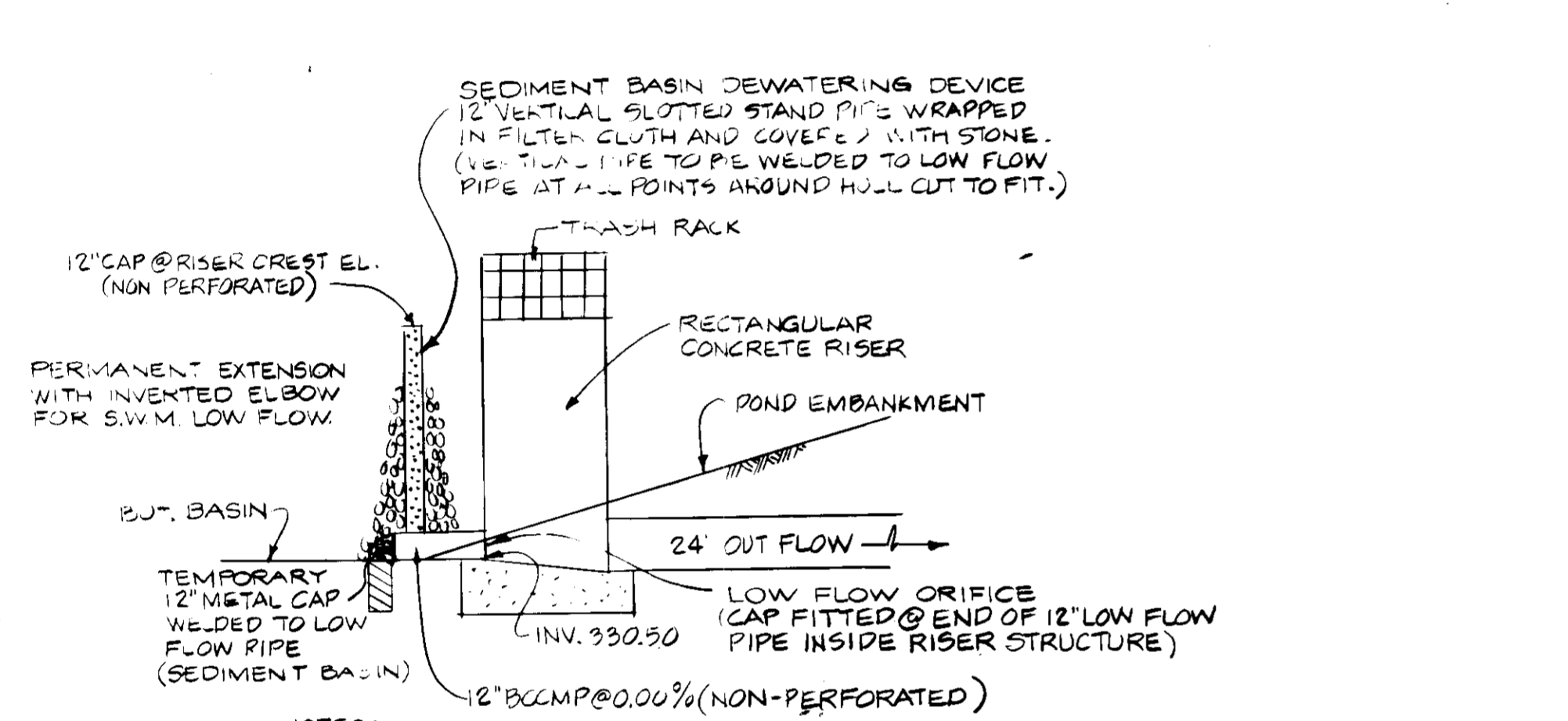
- Gabion inflow protection shall be constructed of 9' x 3' x 9' gabion baskets forming a trapezoidal cross section 1' deep, with 2:1 side slopes, and a 3' bottom width.
- Geotextile Class C shall be installed under all gabion basket.
- The stone used to fill the gabion baskets shall be 4" - 7".
- Gabions shall be installed in accordance with manufacturer's recommendations.
- Gabion Inflow Protection shall be used where concentrated flow is present on slopes steeper than 4:1.



NOTES:

- CONTRACTOR SHALL FIELD MEASURE THE STRUCTURE'S DIMENSIONS FOR EXACT FITTING OF TRASH RACK.
- INSTALL TRASH RACK AFTER CONSTRUCTION OF STD. DETAILS ON INSIDE FACE OF TYPICAL WALL.
- PROVIDE STANDARD MANHOLE STEPS NUMBER C-361 STD. DETAILS ON INSIDE FACE OF TYPICAL WALL.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE 7 - 10 - 10 MARYLAND DEPARTMENT OF ENVIRONMENTAL WATER MANAGEMENT ADMINISTRATION



STORM WATER MANAGEMENT POND CERTIFICATION AND APPROVAL

DEVELOPER CERTIFICATE

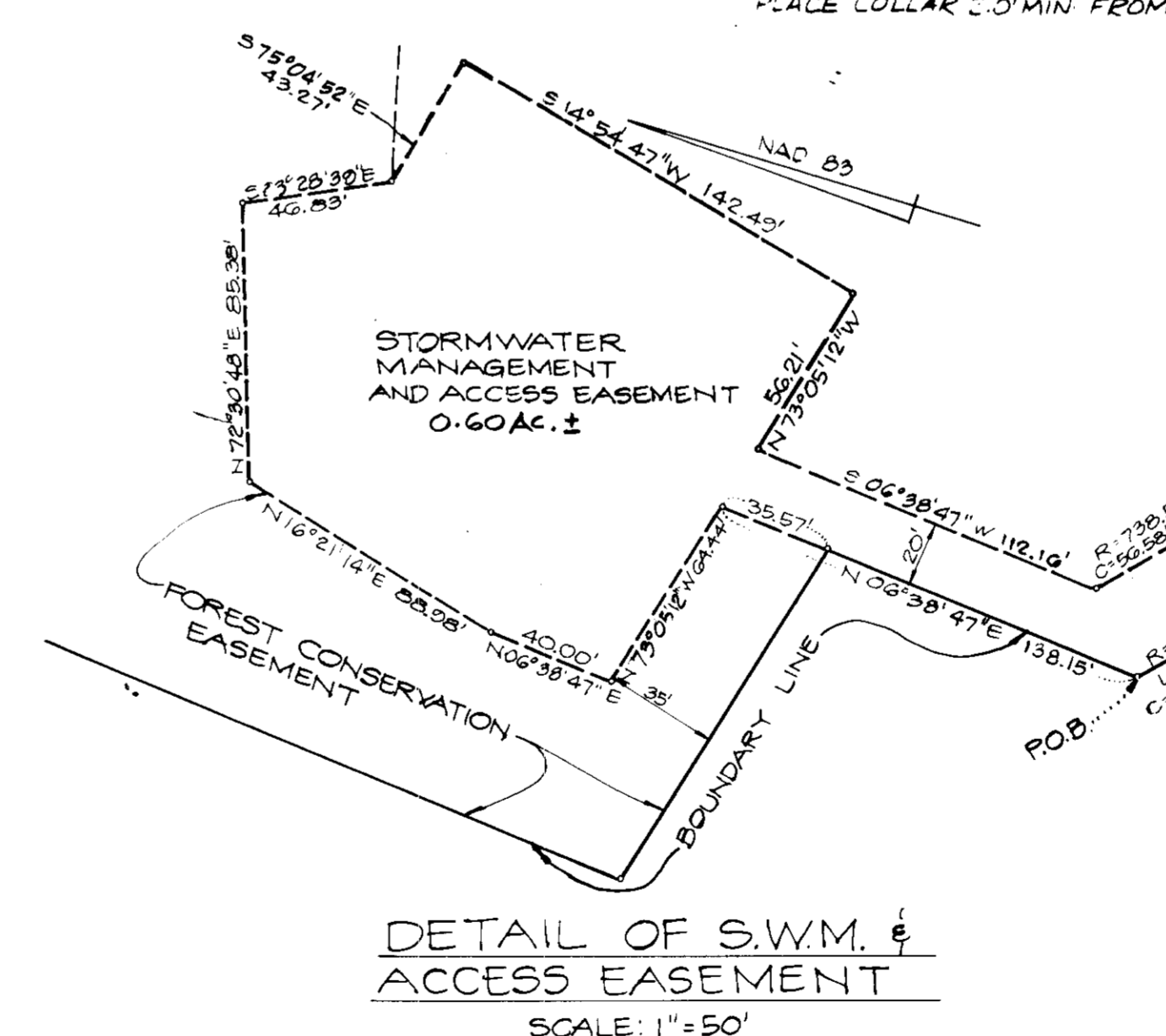
"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OR ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I SHALL ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: *John A. Kline* Date: *Jan 10, 1998*

ENGINEER CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN 'AS-BUILT' PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

Signature: *Donald E. Hicks, P.E.* Date: *1/1/98*



ADDRESS CHART		SUBDIVISION NAME		SECT. / AREA	LOT / PARCEL NO.
LOT NO.	STREET ADDRESS	MARTIN LUTHER KING, JR. COMMUNITY CHURCH			333 & 334 (NOW COMBINED)
	NO. 0385 GUILFORD ROAD	PLAT No. OR L/F	BLOCK No. ZONE	TAX / ZONEMAP/ELECT. DIST. CENSUS YR.	
			R-12	42	6TH 6061.03
WATER CODE E-14		SEWER CODE		S 200400	

HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286

Signature: *Donald E. Hicks, P.E.* Date: *5/26/97*

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature: *John A. Kline* Date: *Jan 10, 1998*

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

Signature: *Clayton Simmons* Date: *3/13/98*

APPROVED: *Robert W. Zick* Date: *3/13/98*

DISTRICT MANAGER HOWARD SOIL CONSERVATION DISTRICT

OWNER: THE MARTIN LUTHER KING, JR. COMMUNITY CHURCH
90 6156 WOODLIF RUN DRIVE
COLUMBIA, MARYLAND 21044

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Signature: *John A. Kline* Date: *3/16/98*

Signature: *Donald E. Hicks* Date: *3/16/98*

Signature: *Robert W. Zick* Date: *3/16/98*

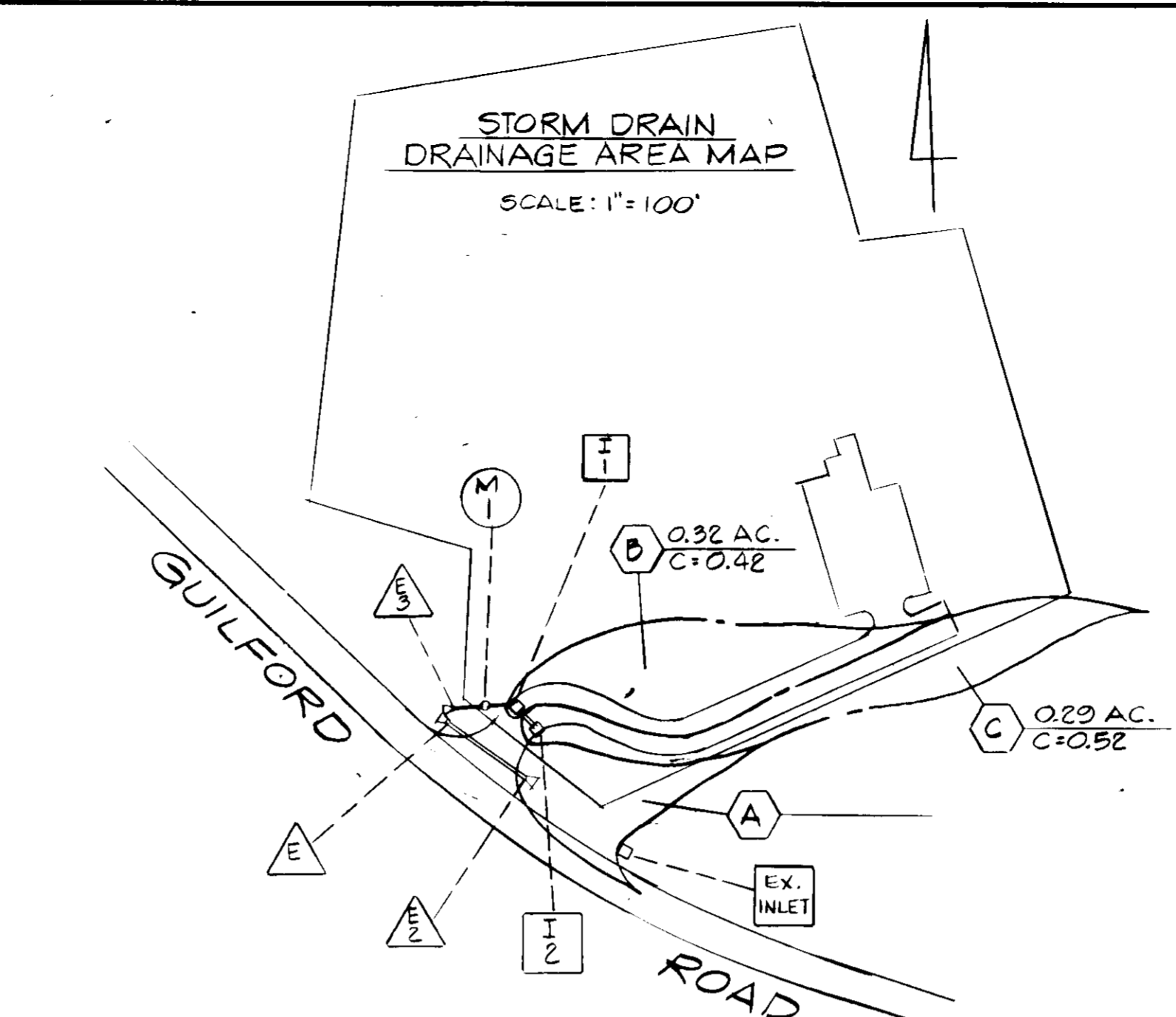
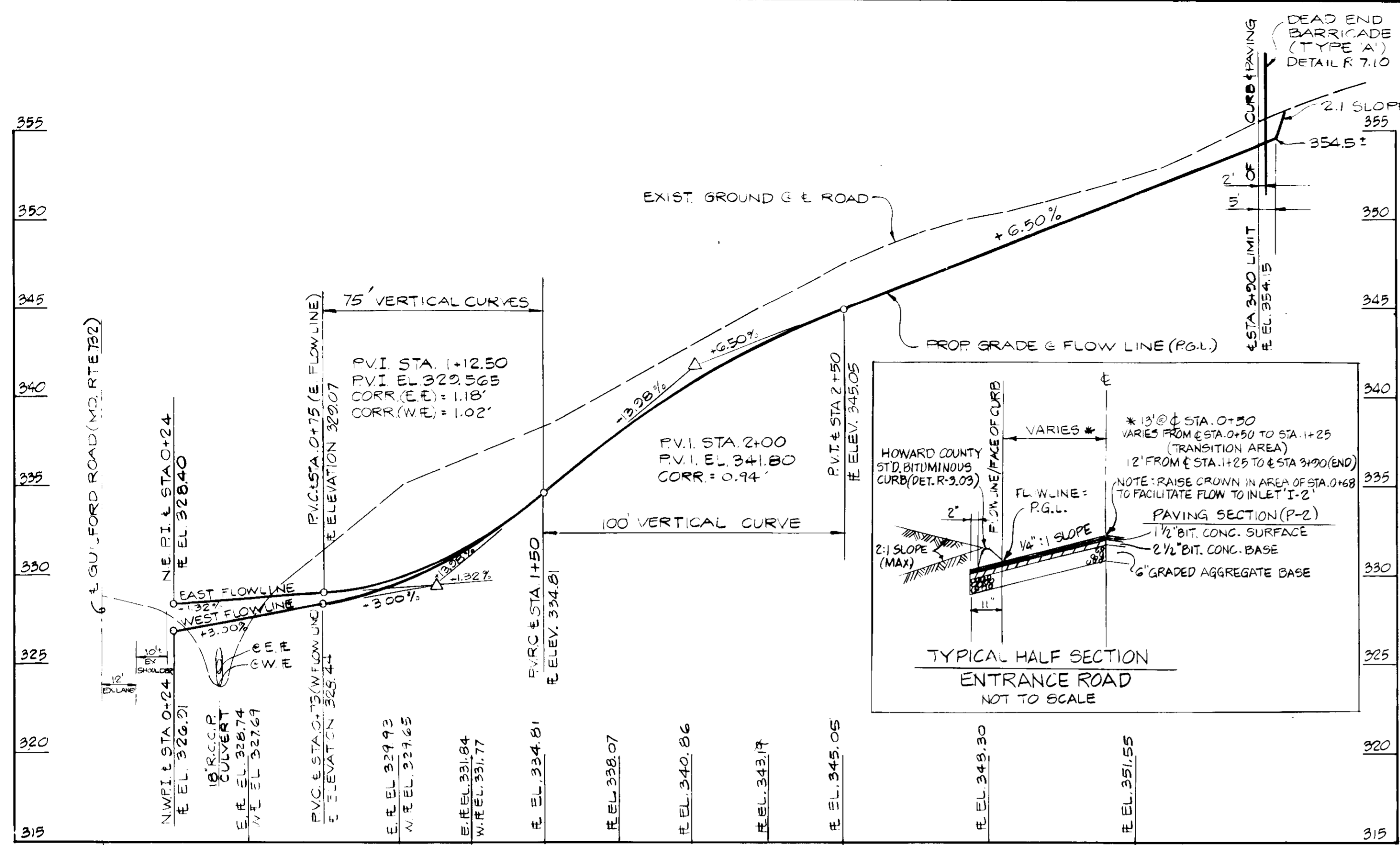
PROJECT: MARTIN LUTHER KING, JR. COMMUNITY CHURCH

STORMWATER MANAGEMENT DETAIL SHEET

6TH ELECTION DISTRICT
HOWARD COUNTY, MD.

PARCEL 333 - LIBER 1331, FOLIO 634 } PRIOR DEEDS
PARCEL 334 - LIBER 1377, FOLIO 391 }
DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 1364, FOLIO 462
PRIOR FILE NO. S.D.P. 01-103; WP-28-15
Date: 5/26/95 Scale: As Shown

DES: K.W. DRW: F.W. CHK: D.E.H. SHEET 10 OF 10



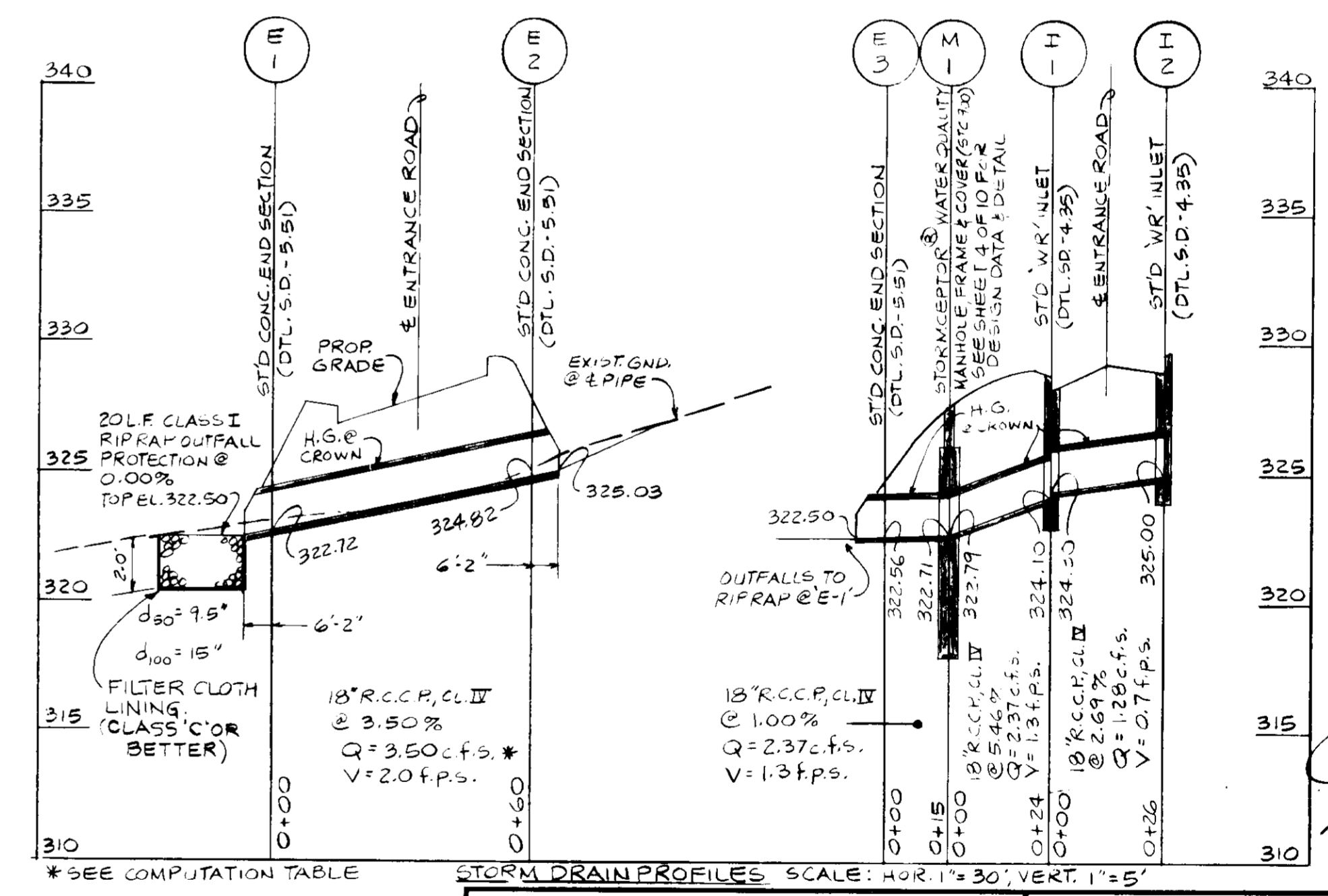
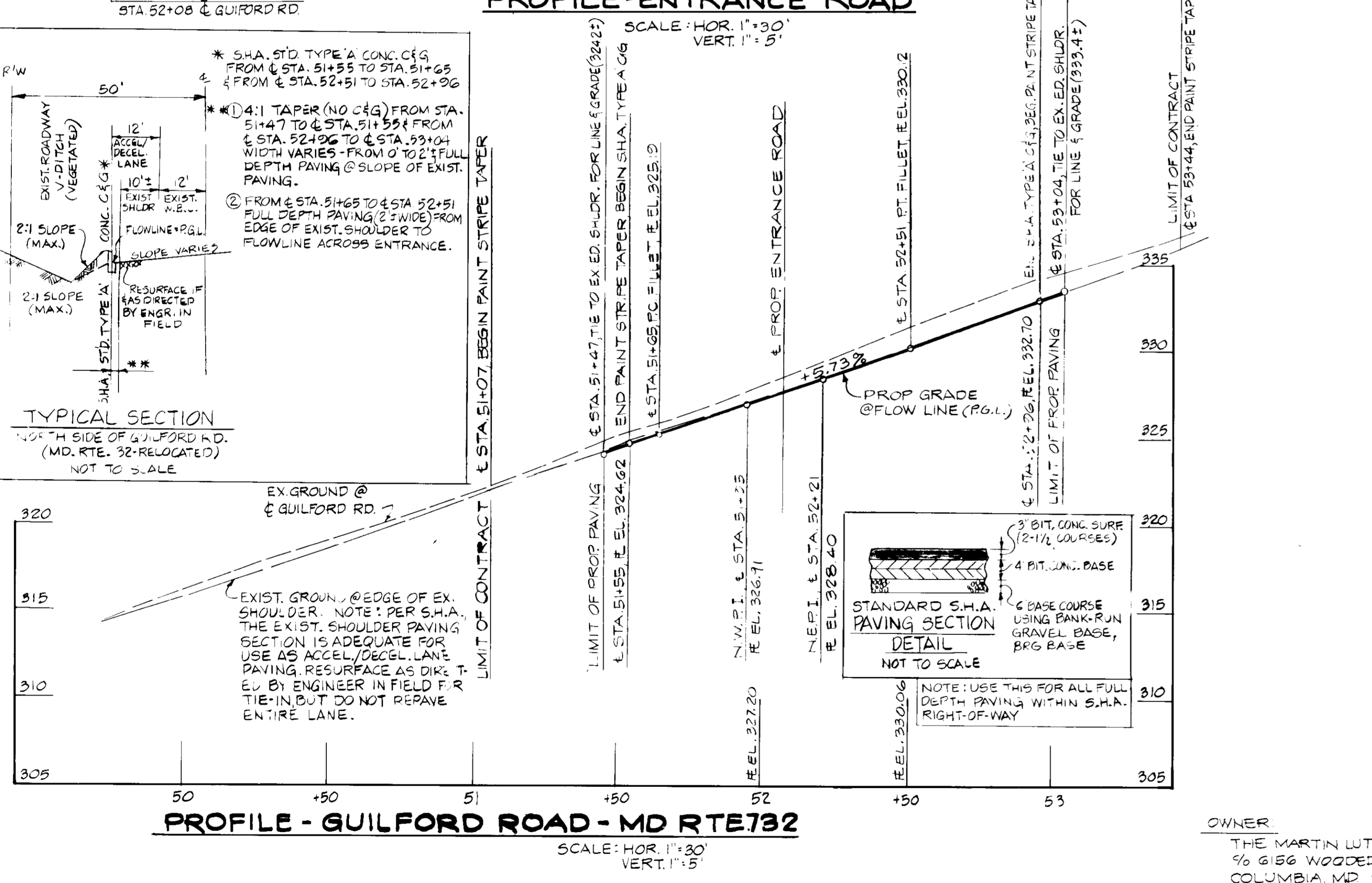
STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	DETAIL
M-1	STORM ACCEPTOR W/O MANHOLE	322.79	322.71	328.00	SEE SHEET 4 OF 10
I-1	STD. 18" INLET	324.30	324.10	328.80	HO. CO. STD. S.D. 435
I-2	"	"	"	325.00	"
E-1	18" CONC. END SECTION	322.72**	322.80	"	HO. CO. STD. S.D. 551
E-2	"	325.03*	324.82**	"	"
E-3	"	322.56**	322.50*	"	"
E-4	SEE S.W.M. STRUCTURE	SCHEDULE ON SHEET 9 OF 10		"	"
R-1	"	"	"	"	"

UNLESS OTHERWISE NOTED: 1 ALL STORM DRAIN BEDDING SHALL BE CLASS 2
2 ALL STORM DRAIN PIPE SHALL BE CLASS 4 REINFORCED CONCRETE.

* OPEN END
** PIPE END

10 YEAR STORM EVENT STORM DRAIN COMPUTATIONS														
FROM NO.	TO NO.	INC. AREA (AC)	TOTAL AREA (AC)	C	CVA	SUM (CVA)	TIME (MIN)	Q (CFS)	DES. SLOPE (%)	DIAMETER (IN)	VELOCITY (FT/SEC)	LENGTH (FT)	TIME (MIN)	REMARKS
E-2	I-1	0.29	0.52	0.15	5.0	2.50	1.28	0.01	18	0.7	26'	1		
I-1	I-1	0.32	0.42	0.13	5.0	2.10	1.11	0.06	18	1.3	24'	1		
I-1	M-1	0.61	0.28	0.1	5.1	1.45	2.37	0.06	18	1.3	24'	1		
M-1	E-3							2.37	0.06	18	1.3	15'	1	
E-2	E-1	0.42	0.24	0.10	10.0	2.40	0.66*	0.13	18	2.0	60'	1		

* ASSUME BY-PASS FROM EX. SWALE INLET INCREASES Q TO 3.50 C.F.S.



Professional Engineer Seal for Donald E. Hicks, No. 8487, State of Maryland.

Signature: Donald E. Hicks
Date: 5/20/97

ADDRESS CHART		SUBDIVISION NAME	
LOT NO.	STREET ADDRESS	MARTIN LUTHER KING, JR. COMMUNITY CHURCH	SECT. / AREA
	NO. 9385 GUILFORD ROAD		393 & 334 (NON-COMBINED)
		PLAT NO. OR L/F	BLOCK No. ZONE TAX / ZONE MAP ELECT. DIST. CENSUS TR.
			42 R-12 42 G TH 6061.03
		WATER CODE	SEWER CODE
		E-14	S 200400

PROJECT: MARTIN LUTHER KING, JR. COMMUNITY CHURCH

ROADS & UTILITIES - PROFILES & DESIGN DATA

6TH ELECTION DISTRICT
HOWARD COUNTY, MD.
PARCEL 333 - LIBER 1331, FOLIO 634
PARCEL 334 - LIBER 1371, FOLIO 321
DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 2624, FOLIO 0466
PRIOR FILE NO. S.D.P. 01-105, WP 98-15
Date 5/26/95 Scale: As Shown

DES.: K.W. DRWN.: F.W. CHK.: D.E.H. SHEET 2 OF 10

HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286
PHONE: (410) 494-0001

ENGINEER'S CERTIFICATE
"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."

Donald E. Hicks, P.E.
DATE: 5/20/97

DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

John A. Morris
DATE: Jan 10, 1998

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

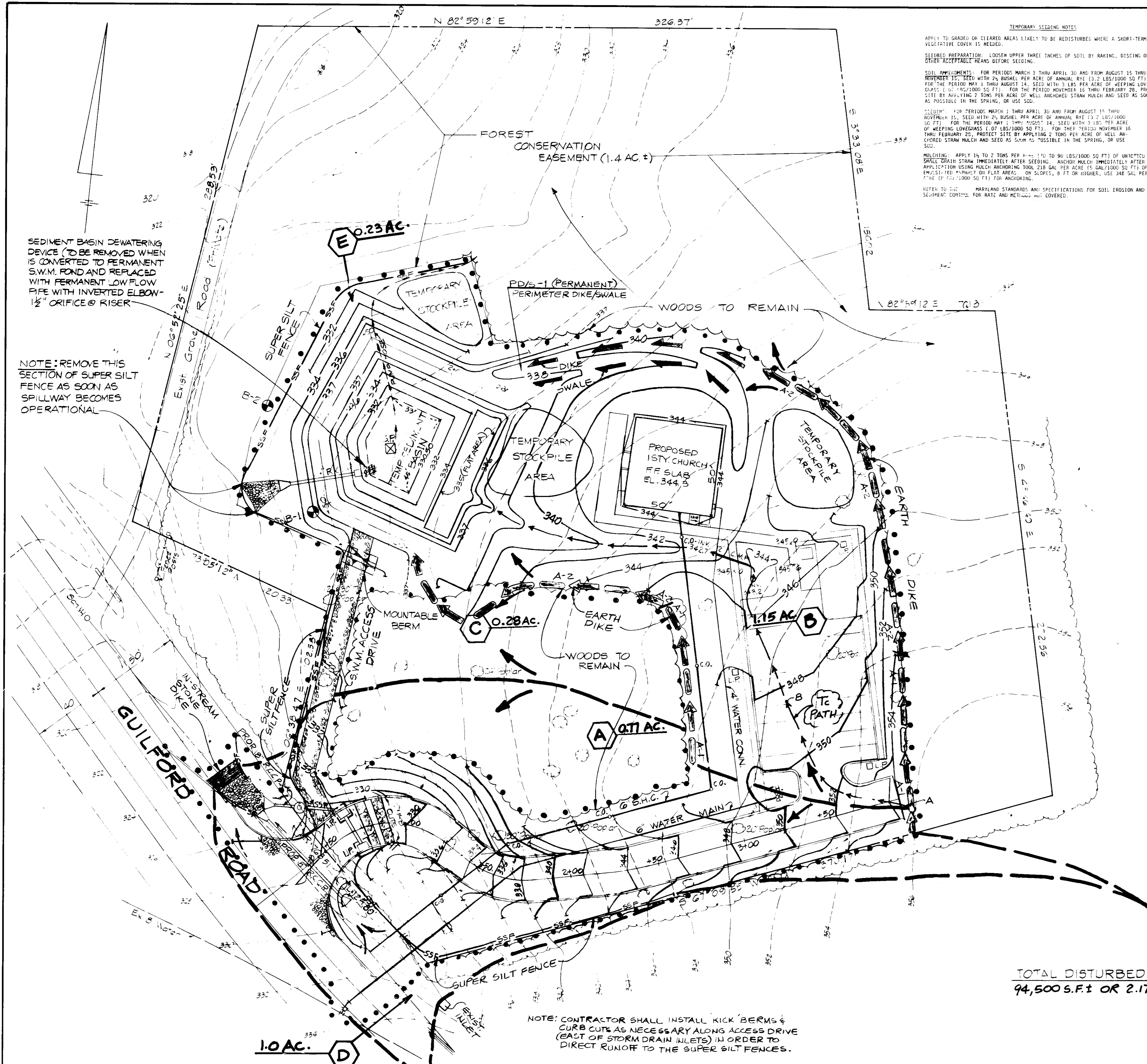
Cheryl Simmons
DATE: 3/31/98

U.S. D.A. NATURAL RESOURCES CONSERVATION SERVICE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Robert W. Johnson
DATE: 3/31/98
DISTRICT MANAGER
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Floyd Smith
DATE: 3/16/98

APPROVED: CHIEF, DEVELOPMENT ENGINEERING DIVISION
Candy Hamilton
DATE: 3/11/98
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH



TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

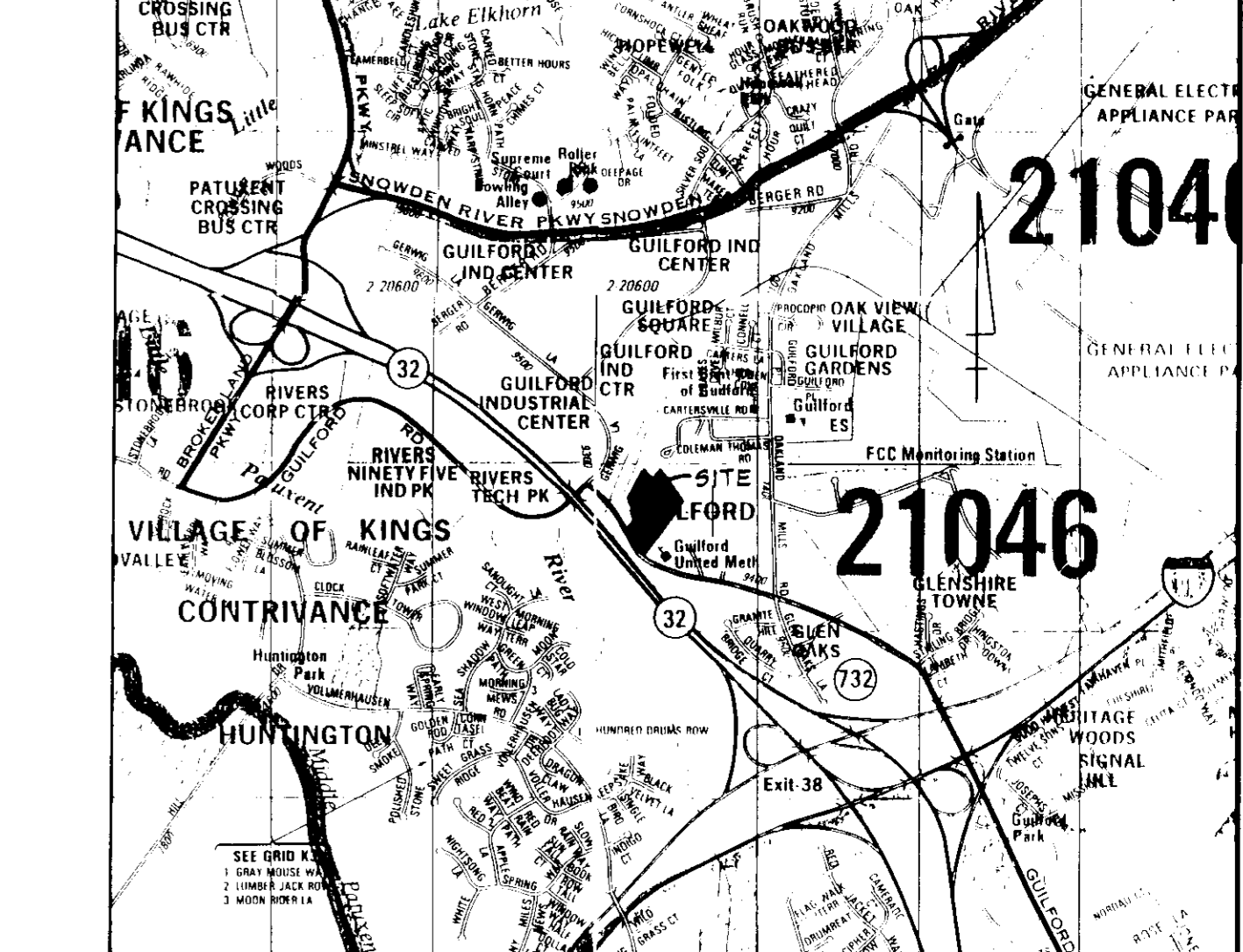
SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 20 BUSHEL PER ACRE OF ANNUAL RYE (2.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LEVEL GRASS (1.0 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY RAKING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOI.

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 20 BUSHEL PER ACRE OF ANNUAL RYE (2.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS PER ACRE OF WEEPING LOVEGRASS (1.0 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY RAKING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOI.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (120 TO 240 LBS/1000 SQ FT) OF UNWETTED SMALL BRAN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL (218 GAL PER ACRE @ 5 GAL/1000 SQ FT) OR PRESSURIZED MOUNTAIN FLAT AREA. ON SLOPES 8 FT OR HIGHER, USE 348 GAL PER ACRE (12.2 LBS/1000 SQ FT) FOR ANCHORING.

REFER TO THE MARKING STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHOD NOT COVERED.



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PERMITTED USE NO. 20096422

VICINITY MAP
SCALE 1" = 2000'
LEGEND

- INLET PROTECTION [] I.P.
- EXISTING CONTOURS --- 346 ---
- PROPOSED CONTOURS --- 346 ---
- LIMIT OF DISTURBANCE --- 346 ---
- EXISTING WOODS LINE --- 346 ---
- PROPOSED WOODS LINE --- 346 ---
- SILT FENCE --- SF --- SF ---
- EARTH DIKE --- E.D. ---
- STABILIZED CONSTR. ENTR. --- S.C.E. ---
- MOUNTABLE BERM --- M.B. ---
- PERIMETER DIKE/SWALE --- P.D.S. ---
- SUPER SILT FENCE --- S.S.F. ---
- DRAINAGE DIVIDE (EXIST. & PROP. CONDITIONS) --- D.D. ---
- DRAINAGE AREAS
 - TO SUPER SILT FENCE MANAGING ENTRANCE ROAD INSTALLATION. [A]
 - TO TEMPORARY SEDIMENT BASIN. [B]
 - TO SUPER SILT FENCE MANAGING S.W.M. ACCESS ROAD. [C]
 - TO IN-STREAM STONE DIKE MANAGING ENTRANCE & CULVERT INSTALLATION. [D]
 - TO SUPER SILT FENCE FOR BASIN INSTALLATION. [E]
 - IN-STREAM STONE DIKE [E]
 - SUMP PIT [S.P.]

- UTILITY NOTES**
- OPEN UP THAT SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED WITH SOI.
 - FLUSH ALL LECAVATED MATERIAL ON UPHELD SIDE OF TRENCH.
 - ADD SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.
- SEDIMENT CONTROL NOTES**
- A NOTICE OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (900-2555).
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - FOR CONTROL OF EROSION AND SEDIMENTATION OR REESTABLISHMENT, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR CHALED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/BASINS SHALL BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOI, TEMP GRASS SEEDING AND MULCHING, TEMPORARY STABILIZATION WITH MULCH ANCHOR (SOI ONLY) OR SOI WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:

TOTAL AREA OF SITE	4.7 ACRES
AREA DISTURBED	2.2 ACRES
AREA TO BE GRIPPED OR PAVED	0.5 ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.7 ACRES
TOTAL CUT	1,800 CU. YDS.
TOTAL FILL	1,800 CU. YDS.
 - OFFICE WASTE/BORROW AREA LOCATION (W.A.)
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SW SEDIMENT CONTROL INSPECTOR.
 - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER WORK DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSTALLATION. APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
 - NOTE: EXCESS MATERIAL TO BE USED ON SITE (SITE IS BALANCED)

TOTAL DISTURBED AREA
94,500 S.F. ± OR 2.17 AC. ±

NOTE: CONTRACTOR SHALL INSTALL KICK BERMS & CURB CUTS AS NECESSARY ALONG ACCESS DRIVE (EAST OF STORM DRAIN INLETS) IN ORDER TO DIRECT RUNOFF TO THE SUPER SILT FENCES.

HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JONAH ROAD, SUITE 402
MARTIN, MARYLAND 20638

ENGINEER'S CERTIFICATE

"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"

Donald E. Hicks, P.E.
DONALD E. HICKS, P.E.
5/10/97
DATE

DEVELOPER'S CERTIFICATE

"I/ WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

John A. Hines
John A. Hines
Jan 19, 1998
DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Cheryl Simmons
Cheryl Simmons
3/3/98
DATE

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

APPROVED:
Robert W. Zehn
Robert W. Zehn
3/3/98
DATE

DISTRICT MANAGER
HOWARD SOIL CONSERVATION DISTRICT

OWNER:
THE MARTIN LUTHER KING JR. COMMUNITY CHURCH
7665 WOODEN RUN DRIVE
COLUMBIA, MD. 21044

APPROVED DEPARTMENT OF PLANNING AND ZONING

John A. Hines
John A. Hines
3/16/98
DATE

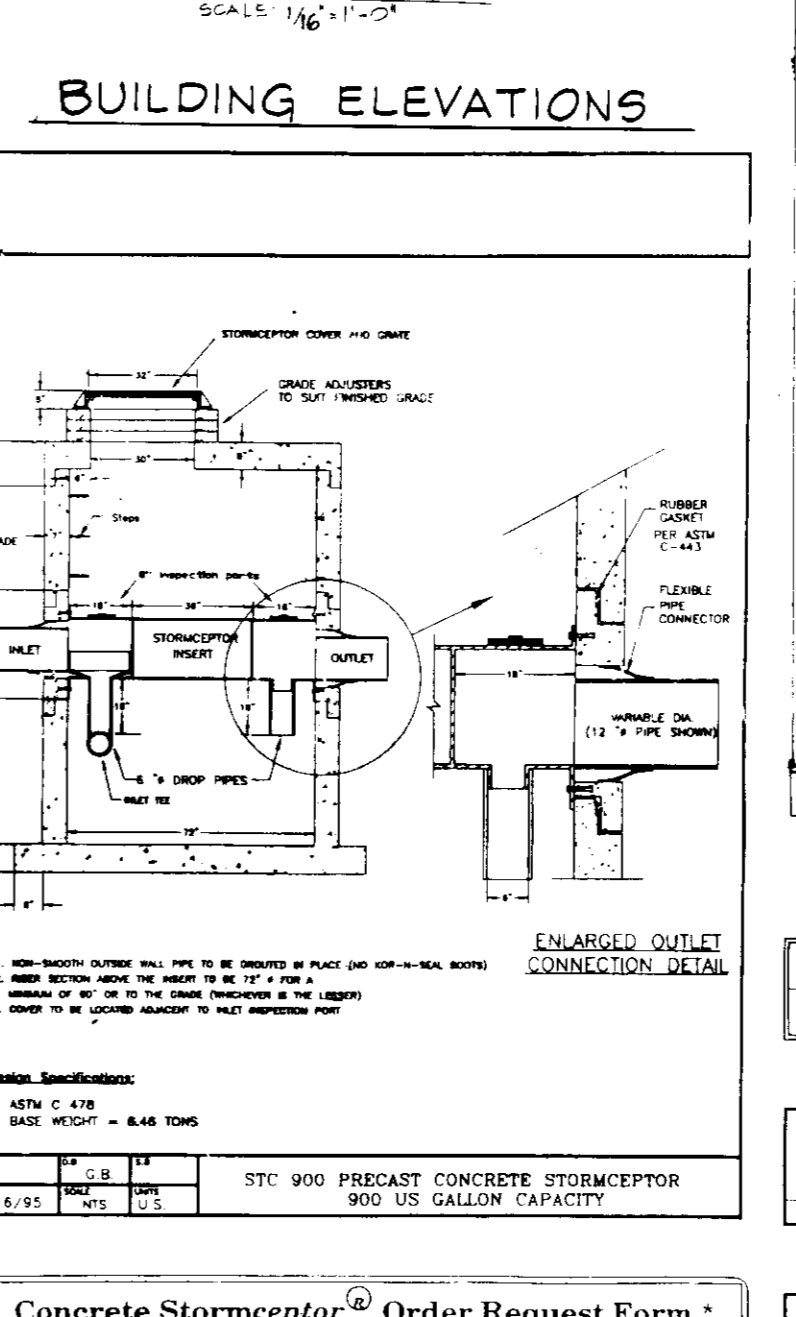
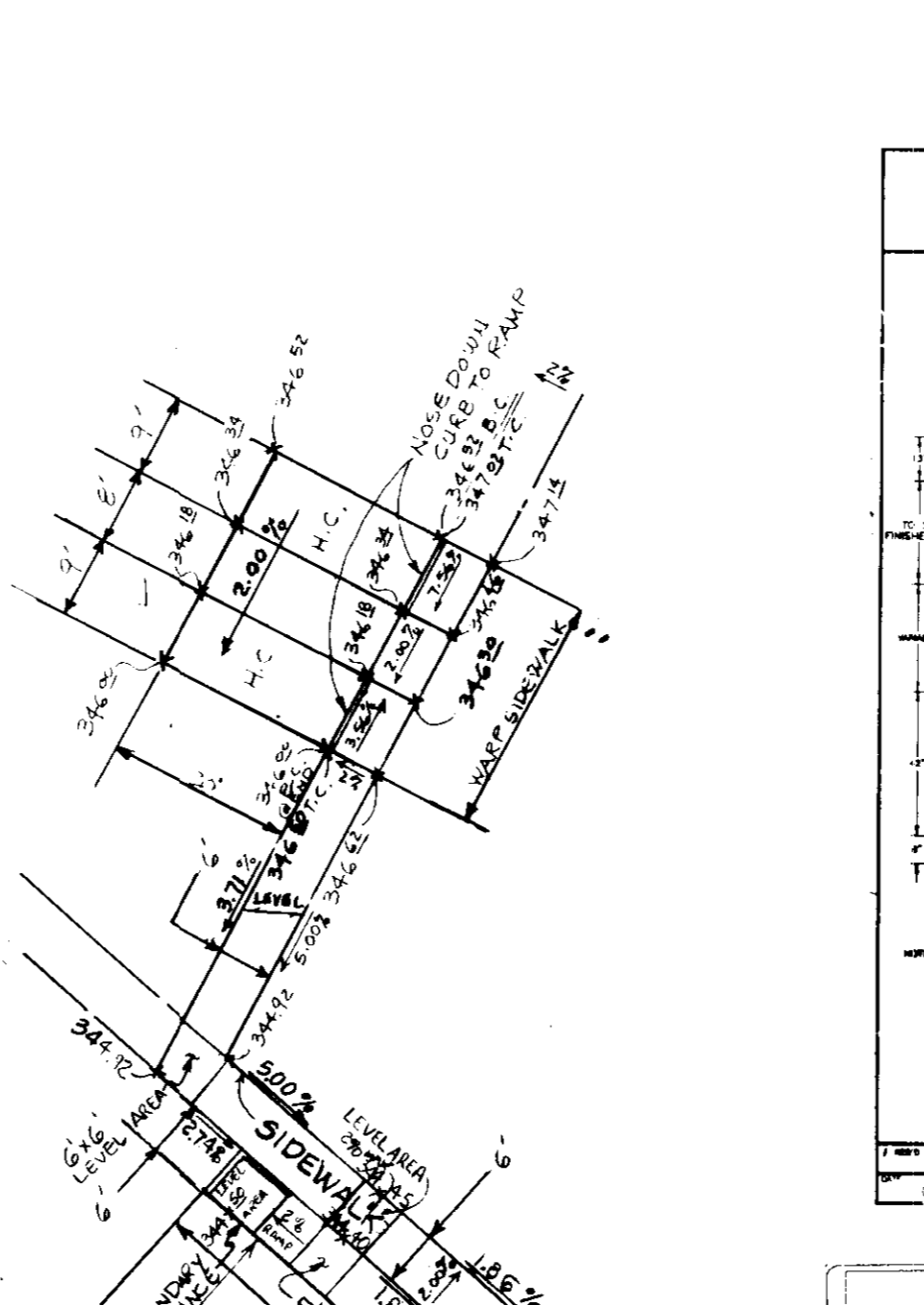
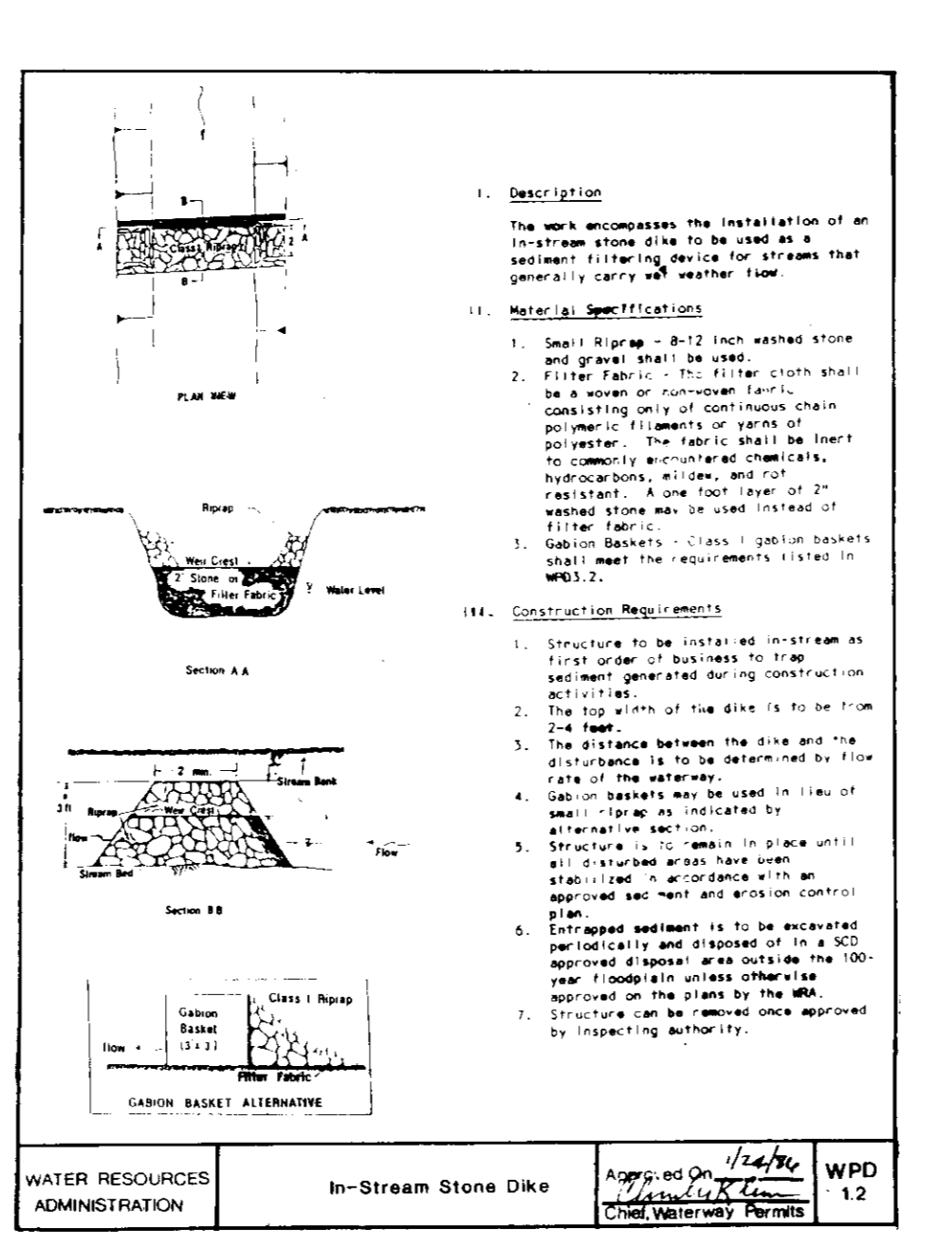
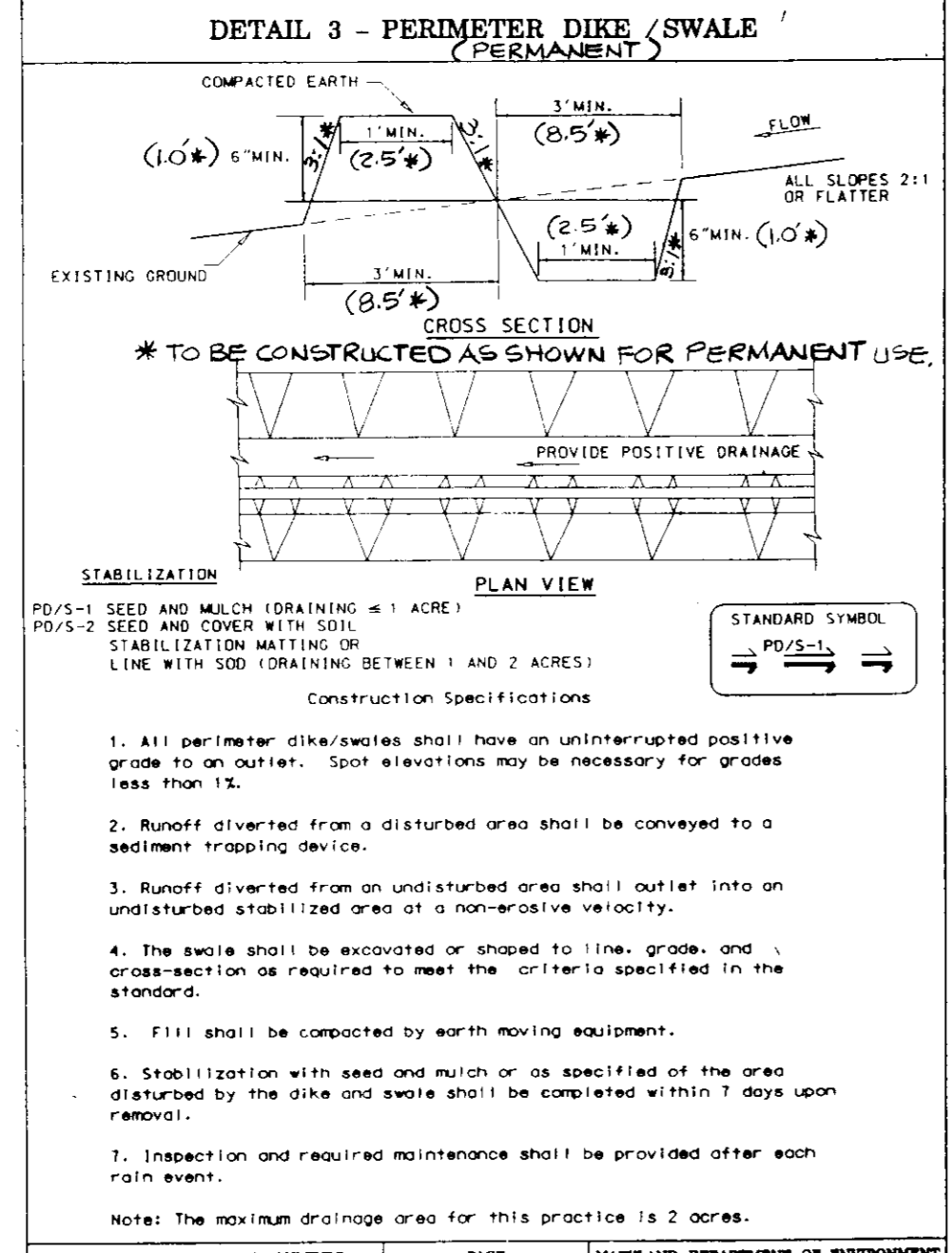
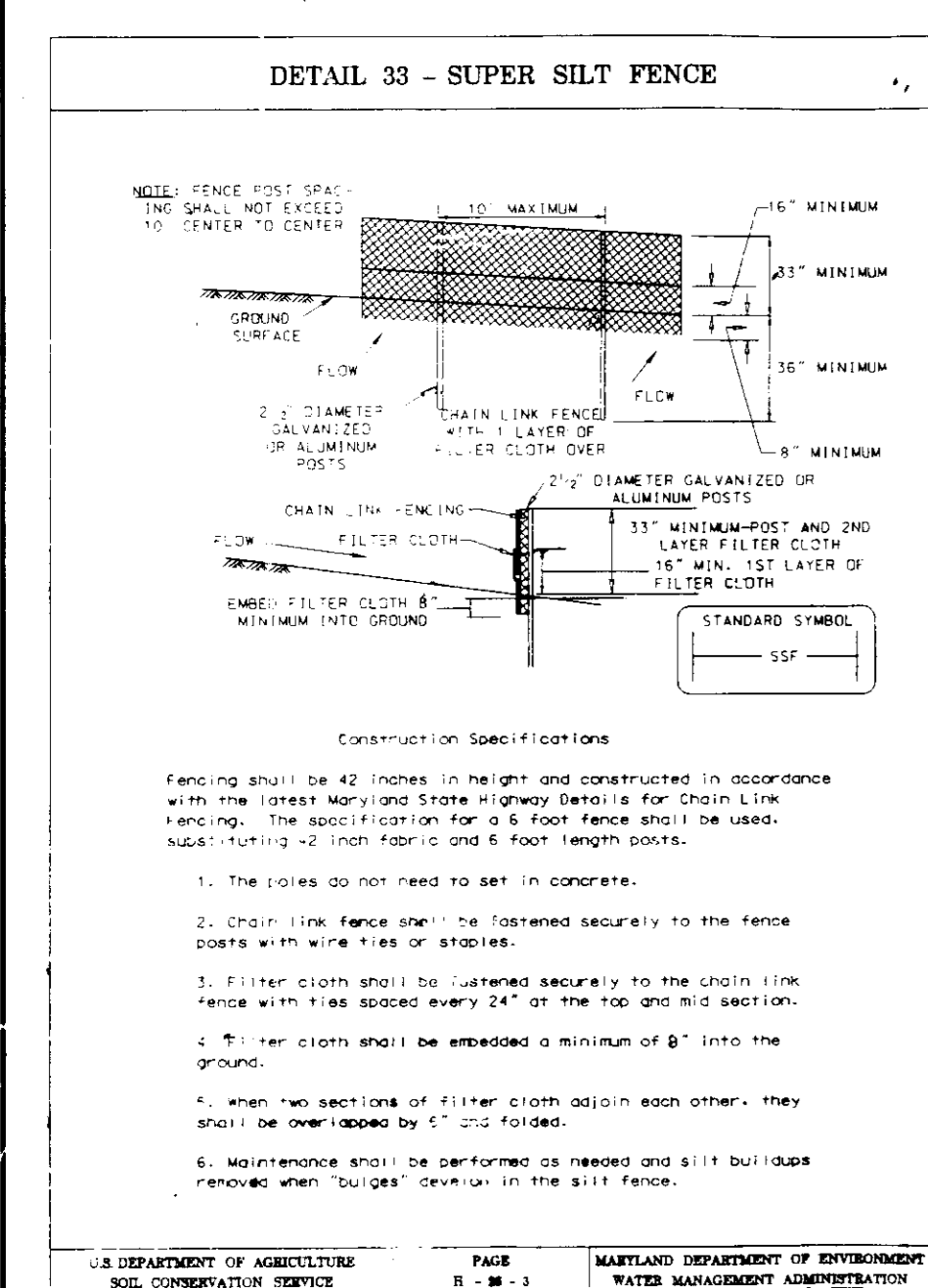
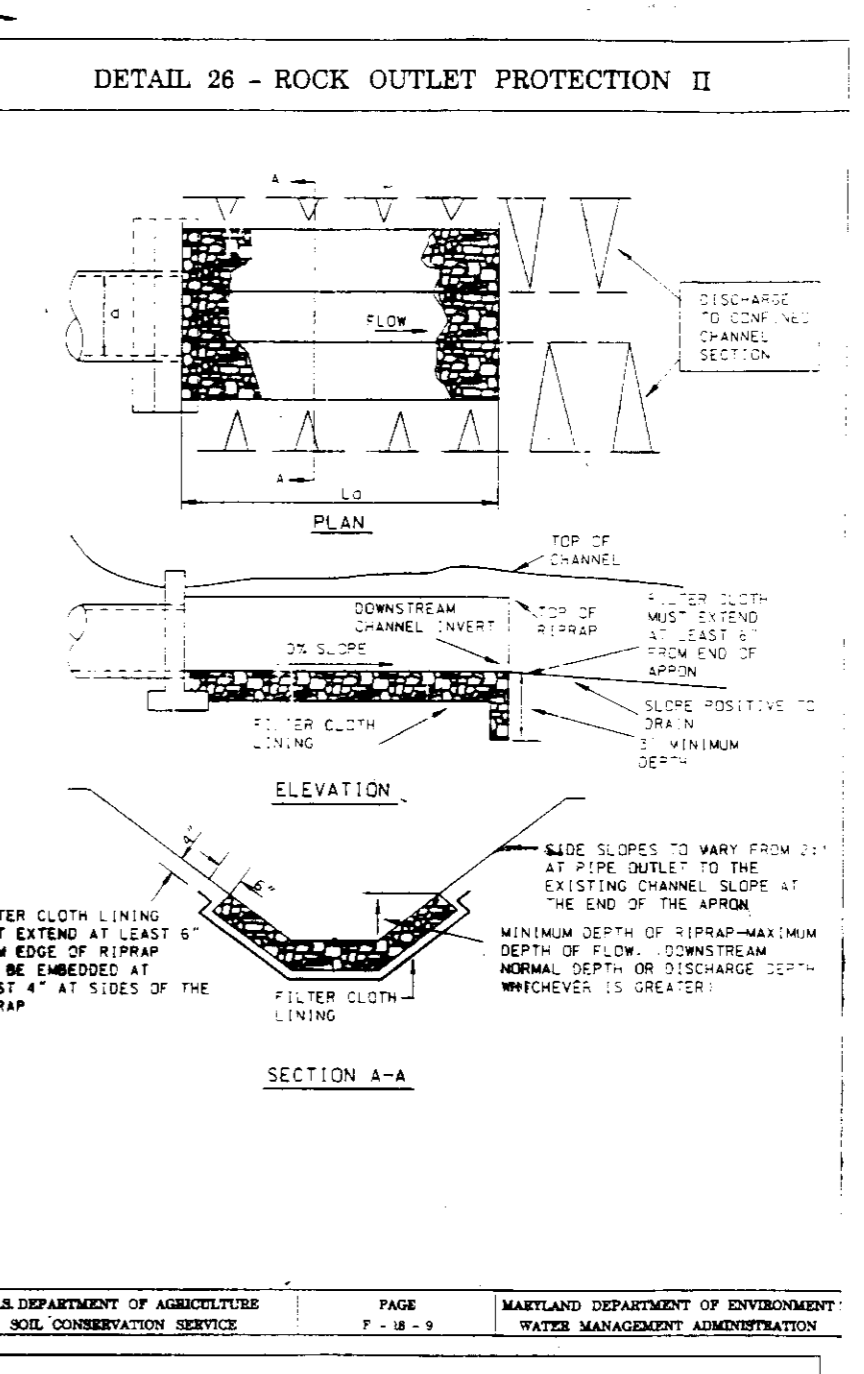
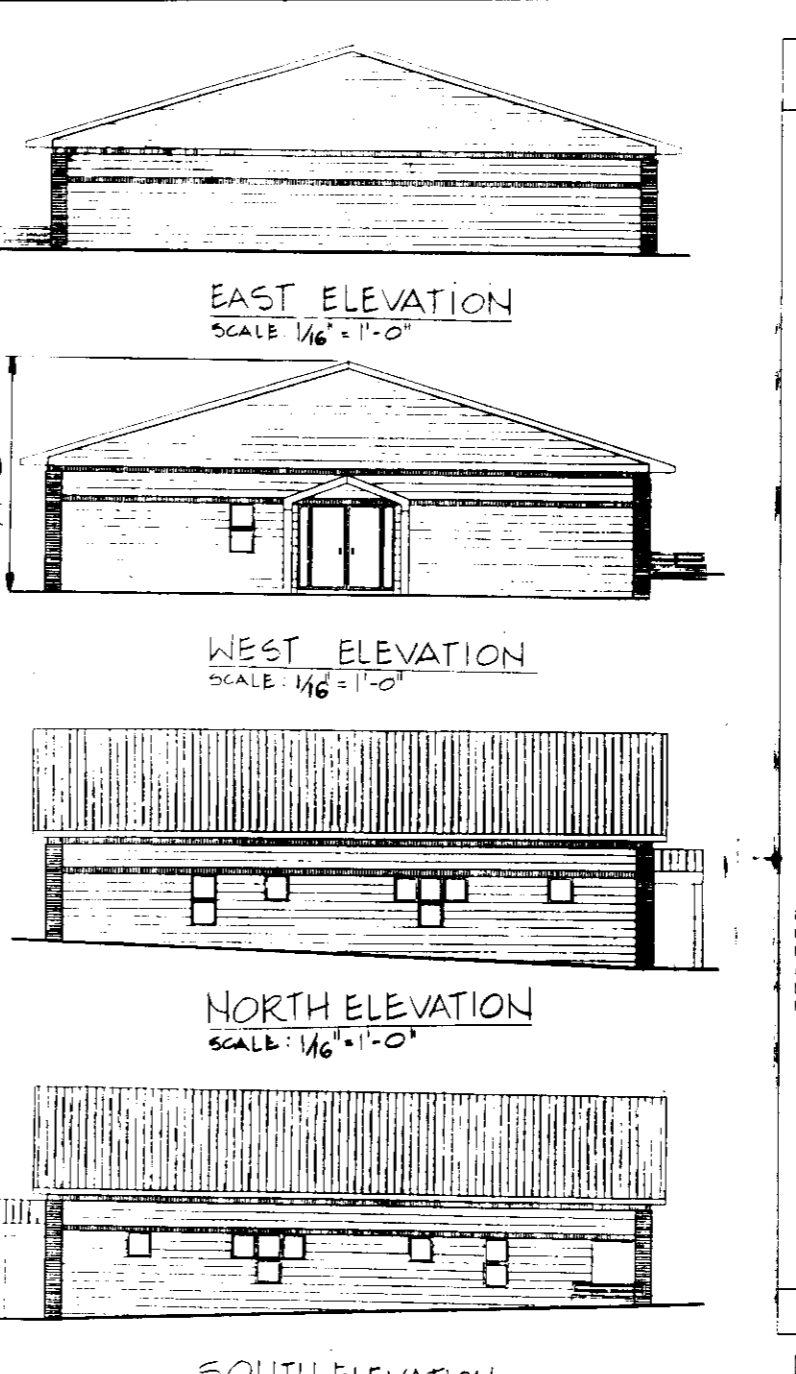
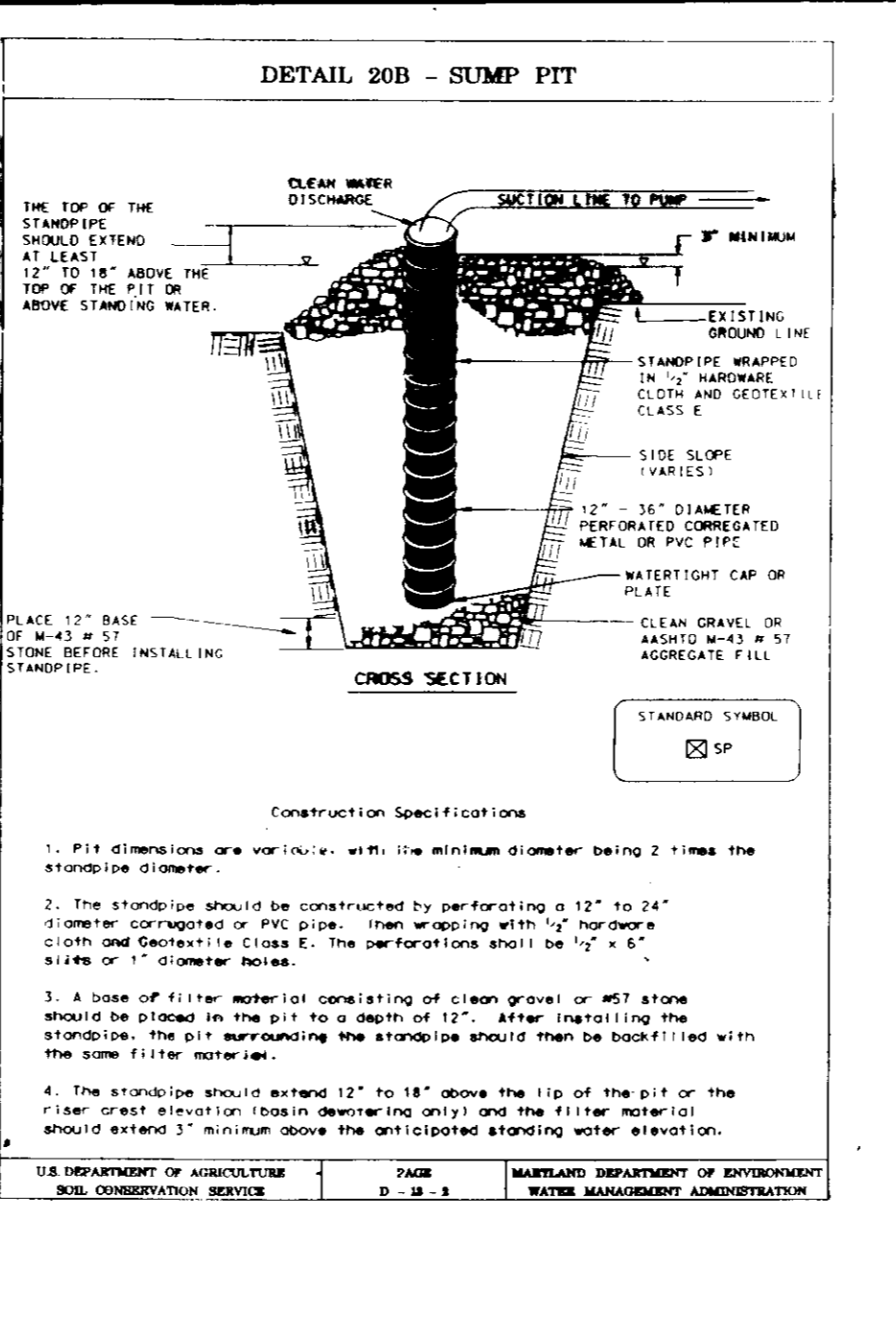
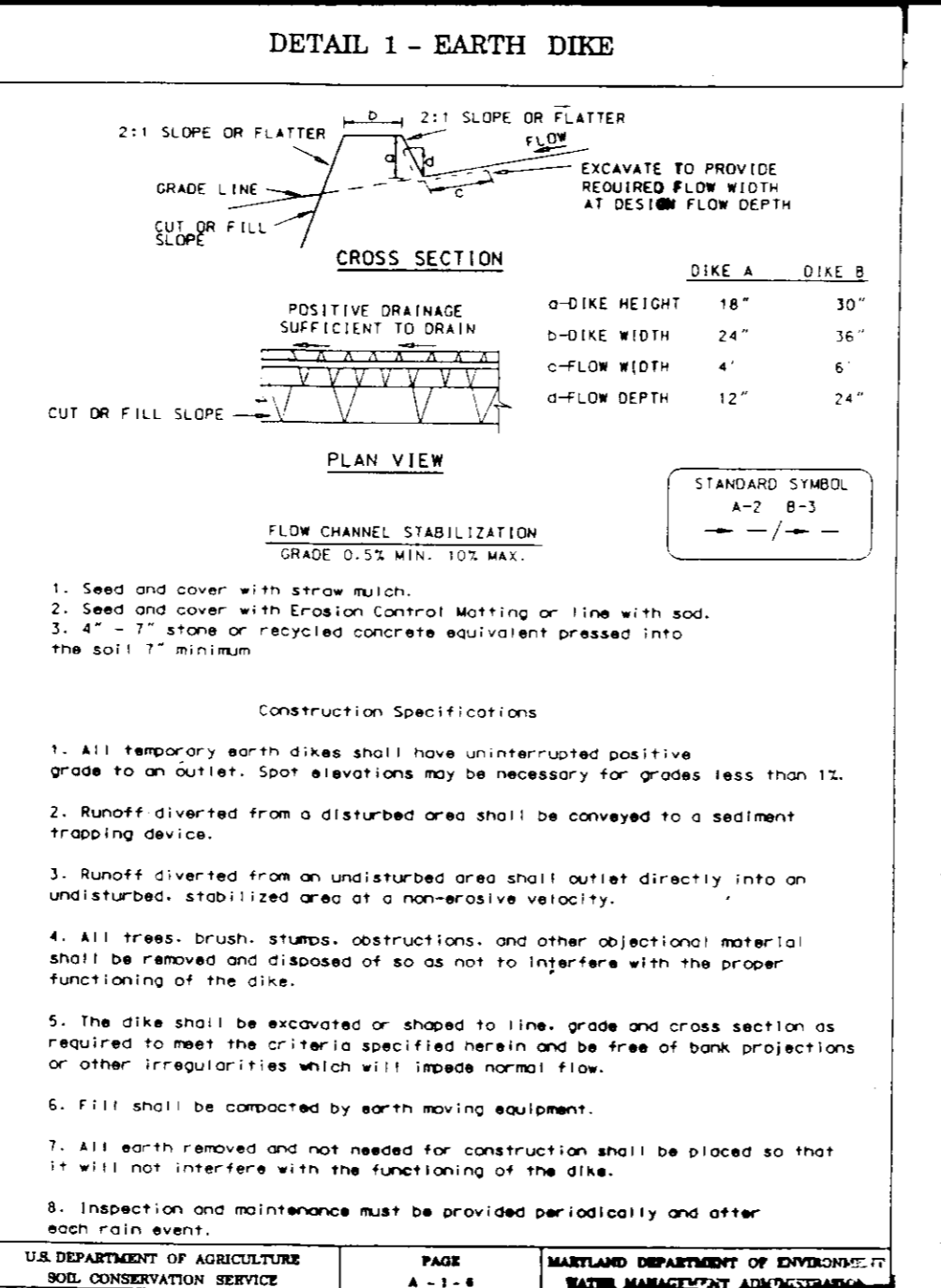
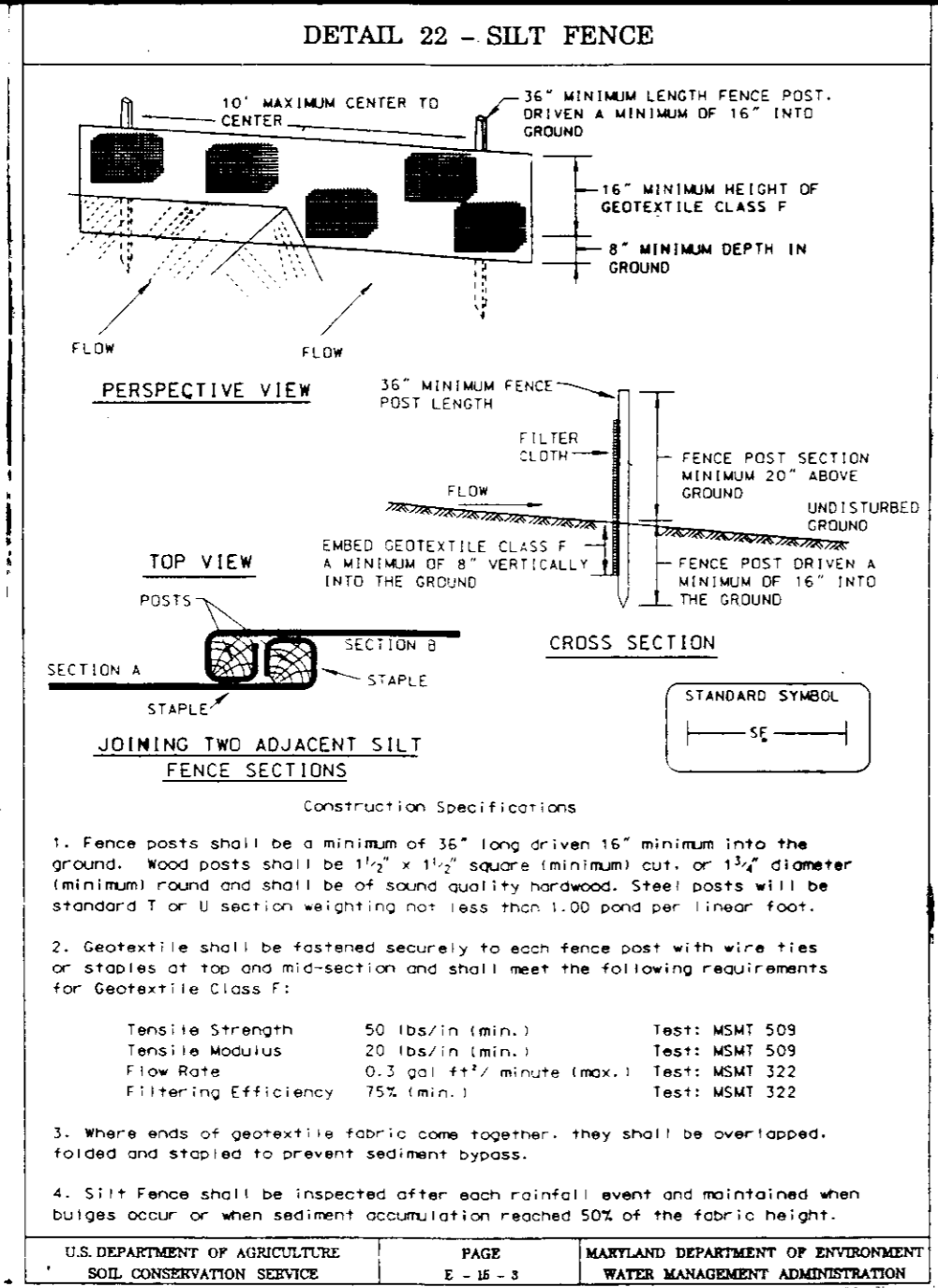
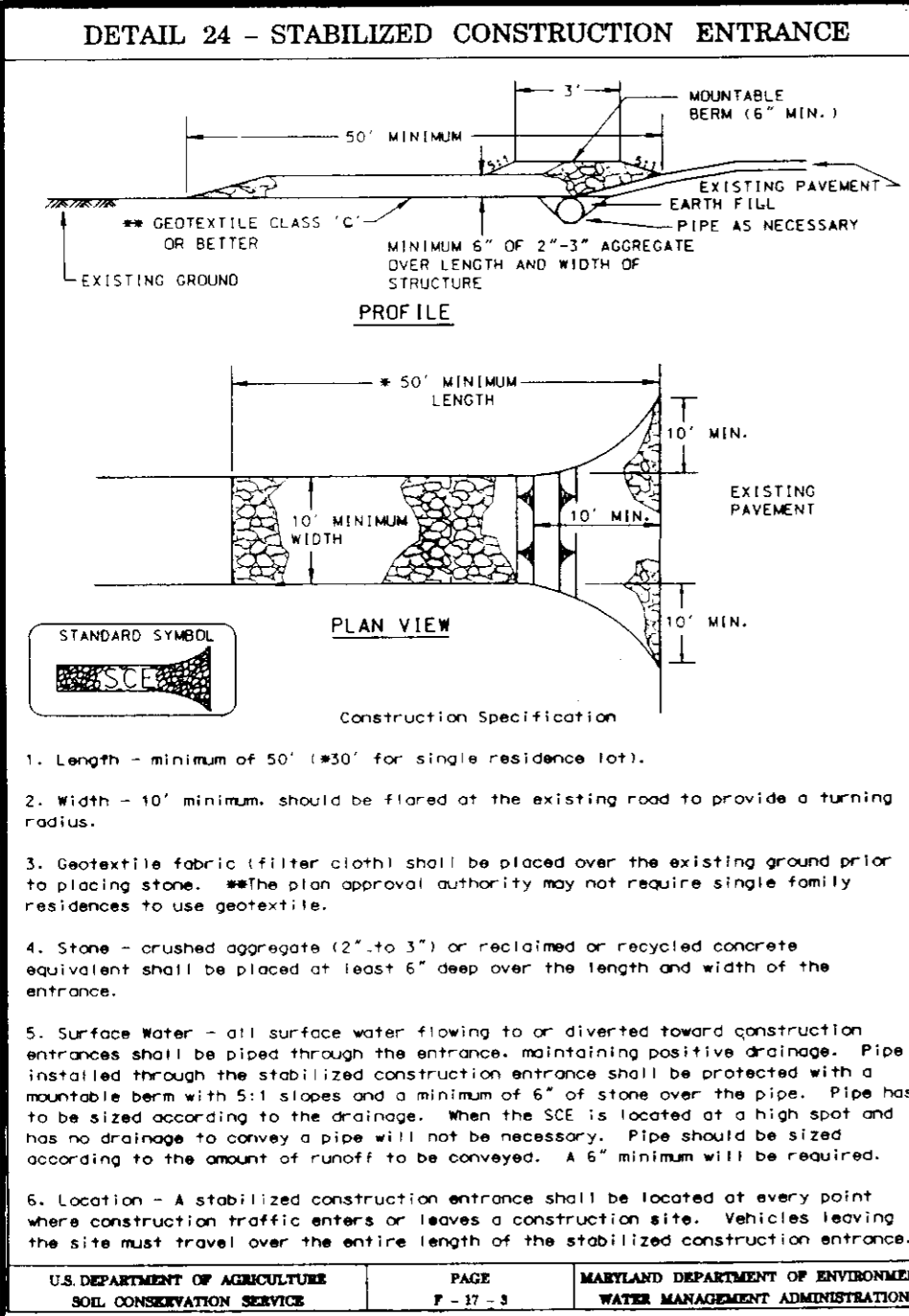
Cheryl Simmons
Cheryl Simmons
3/16/98
DATE

Andy Simons
Andy Simons
3/16/98
DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

ADDRESS CHART		SUBDIVISION NAME		SECT. / AREA	LOT / PARCE. NO.
LOT NO.	STREET ADDRESS	MARTIN LUTHER KING, JR. COMMUNITY CHURCH			333 & 334 (NON-COMB. LOTS)
	NO. 0385 GUILFORD ROAD	PLAT NO. OR L.F.	BLOCK NO.	ZONE	TAX / ZONEMAP ELECT. DIST. CENSUS TR.
			R-12	42	G.T.H. 606.03
		WATER CODE	SEWER CODE		
		E-14	9200400		
PROJECT					
MARTIN LUTHER KING, JR. COMMUNITY CHURCH					
EROSION & SEDIMENT CONTROL PLAN					
6TH ELECTION DISTRICT HOWARD COUNTY, MD.					
PARCEL 333 - LIBER 1331, FOLIO 634 (PROP. MEETS)					
PARCEL 334 - LIBER 1377, FOLIO 301					
DEED FOR COMBINATION OF PARCELS 333 & 334 - LIBER 1624 FOLIO 467					
PRIOR FILE NO. SDP 0 09 J W 08-15					
Date 3/20/95 Scale 1"=30'					
DES: KW	DRW: F.W. CHY	SHEET 3 OF 10			

Donald E. Hicks, P.E.
SIGNATURE
5/10/97
DATE

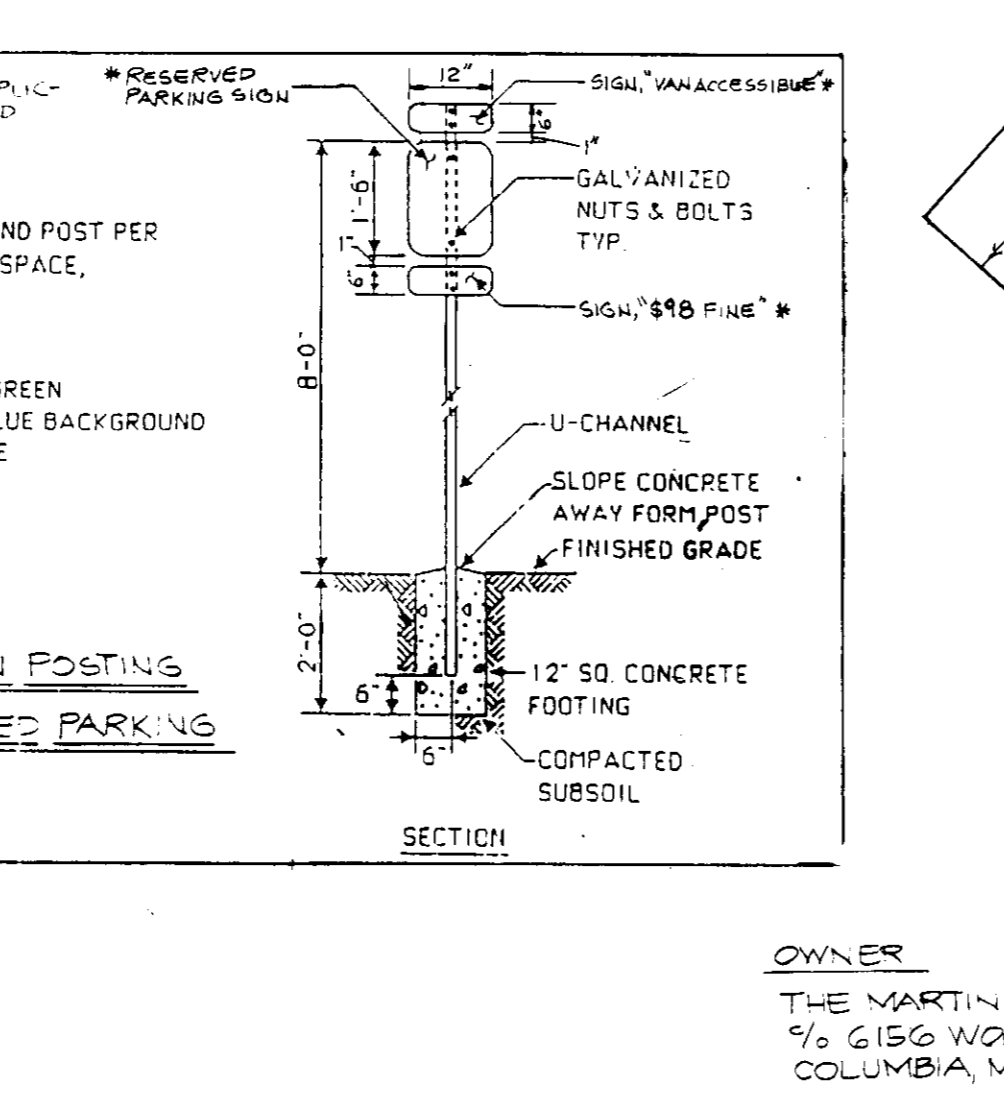
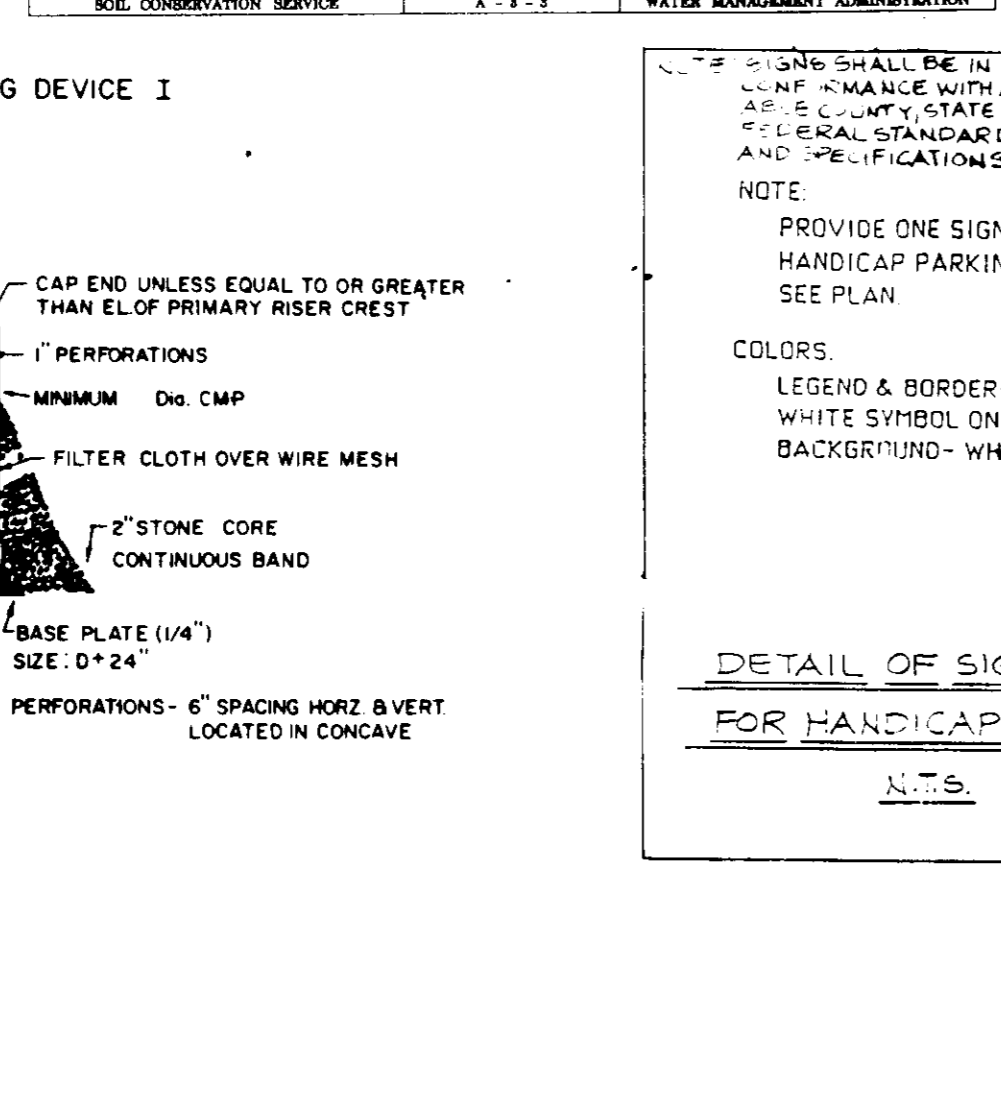
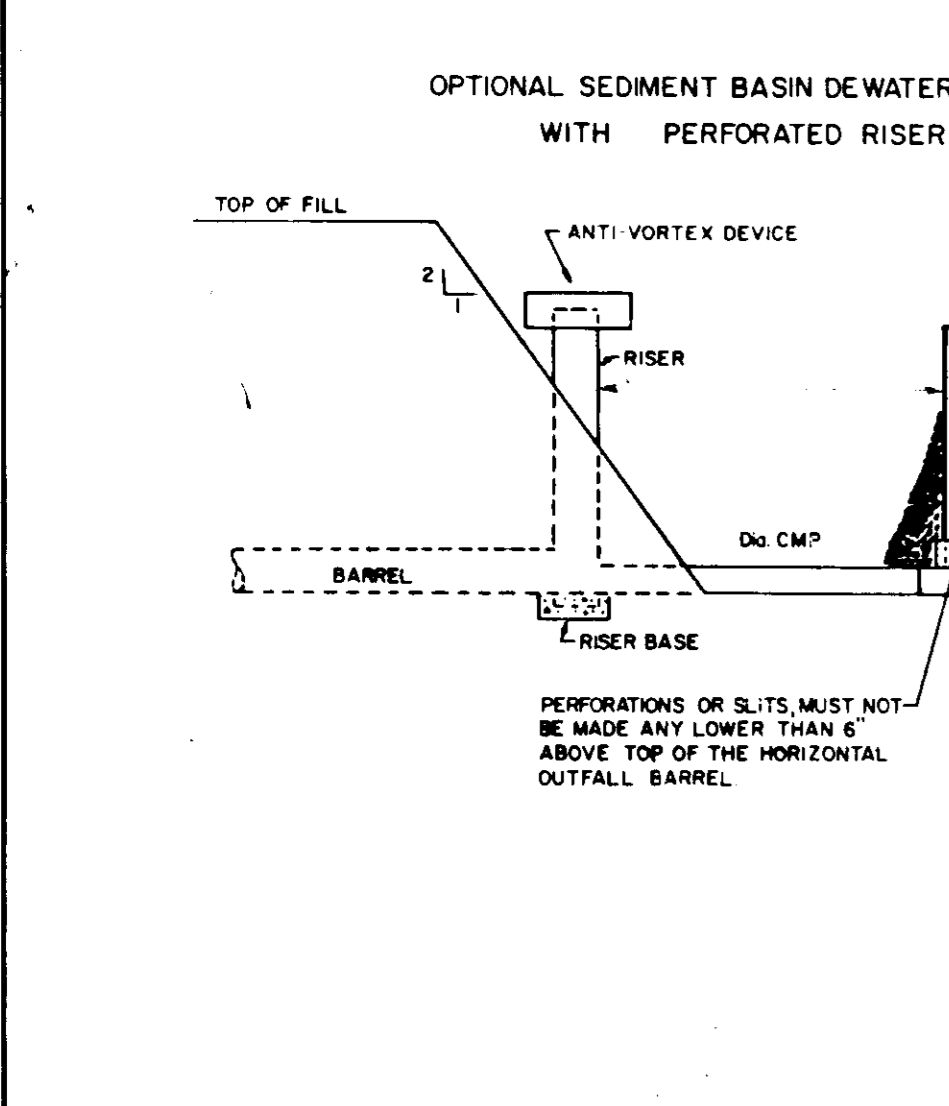


STORMCEPTOR DESIGN DATA

SITE AND IMPERVIOUS DRAINAGE AREA DATA			
SITE	SITE AREA (acres)	GREEN SPACE (acres)	IMPERVIOUS AREA (acres)
4.7 AC.	0.61 acres TO STORMCEPTOR	0.41 acres	0.20 acres

WATER QUALITY TREATED FLOWS			
STORMCEPTOR MODEL	IMPERVIOUS DRAINAGE AREA (acres)	STORM DRAIN SIZE (inches)	MAX TREATED FLOW RATE (cfs) (gallons per minute) (gpm)
STC 900	0.20 acres	18" RCP/RCP	285 gpm/0.84 cfs

STORMCEPTOR CAPACITIES			
STORMCEPTOR MODEL	TOTAL HOLOGRAM CAPACITY (gallons)	OIL HOLDING CAPACITY (gallons)	SEDIMENT HOLDING CAPACITY (cubic feet)
STC 900	110 gallons	280 gallons	70 cubic feet



Concrete Stormceptor® Order Request Form

Contractor Information: Name, Address, City, State, Zip, Phone, Fax.

Owner Information: Name, Address, City, State, Zip, Phone, Fax.

Stormceptor Model: 900 1200 1800 2400

Inlet Size: 12" 18" 24" Custom

Manhole Number: 100 150 200 250 300 350 400 450 500 550 600 650 700

Project Name: **SEG TITLE BLOCK**

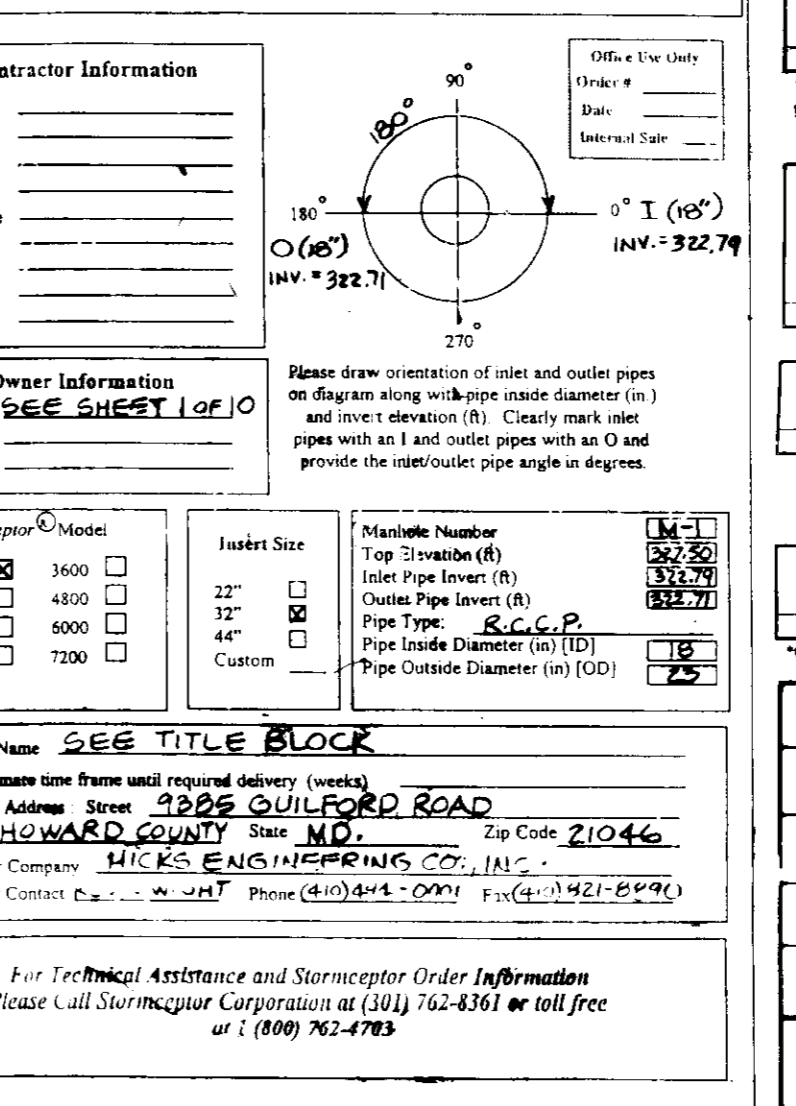
Address: **3286 GUILFORD ROAD**

City: **HOWARD COUNTY, MD**

Zip Code: **21046**

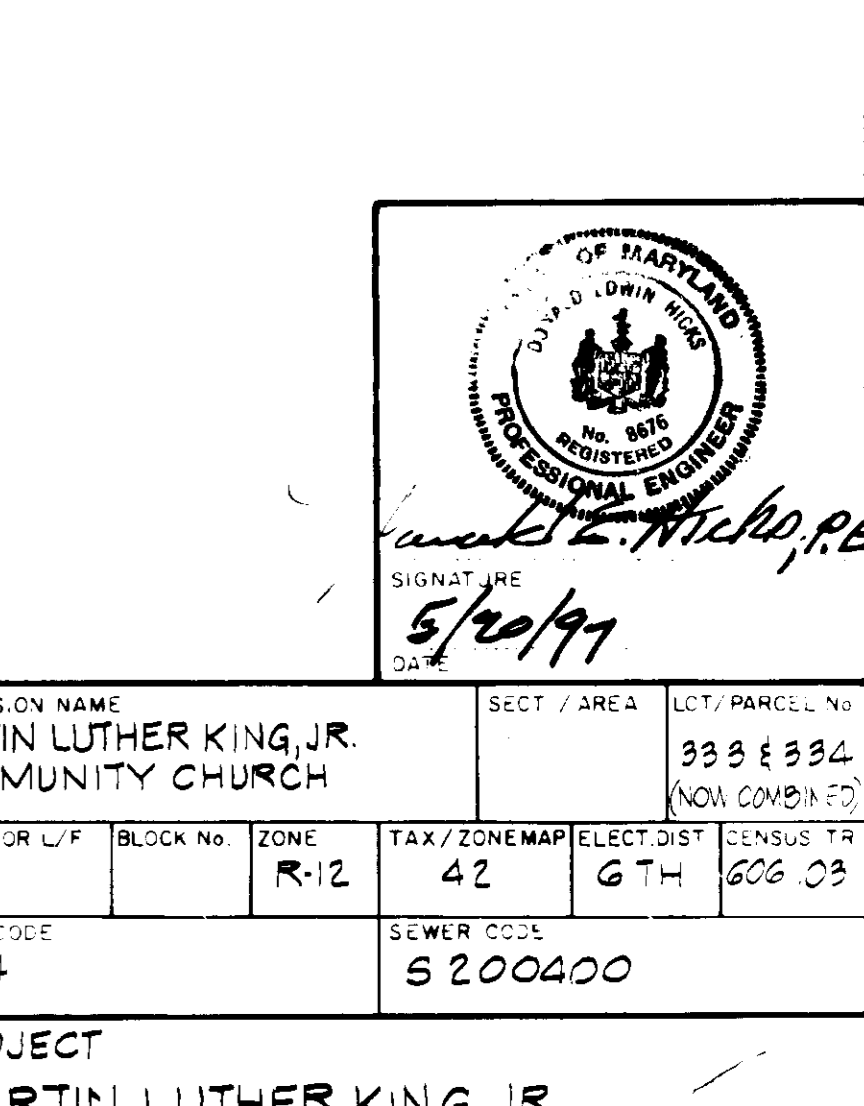
Design Company: **HICKS ENGINEERING CO., INC.**

Drainage Contact: **Donald E. Hicks, P.E.** Phone: (410) 341-0091 Fax: (410) 341-0092



ADDRESS CHART

SUBDIVISION NAME	MARTIN LUTHER KING, JR. COMMUNITY CHURCH
STREET ADDRESS	NO 0385 GUILFORD ROAD
LOT/AREA	33 B 334
TAX/ZONING/ELECT DIST	R-12 42 G TH 606 03
SEWER CODE	6200400



HICKS ENGINEERING CO., INC.
ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286

Donald E. Hicks, P.E. 5/20/99

ENGINEER'S CERTIFICATE

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.

John J. Hines 3/13/98

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Robert W. Zujewski 3/13/98

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Clayton Simmons 3/13/98

APPROVED: Robert W. Zujewski 3/13/98

APPROVED DEPARTMENT OF PLANNING AND ZONING

3/16/98

3/11/98

PROJECT: MARTIN LUTHER KING, JR. COMMUNITY CHURCH

DETAILS & SPECIFICATIONS

6 TH ELECTION DISTRICT
HOWARD COUNTY, MD

PARCEL 33B - LIBER 1351, FOLIO 684
PARCEL 334 - LIBER 1371, FOLIO 391
DEED FOR COMBINATION OF PARCELS 33B & 334 - LIBER 3624, FOLIO 448
PRIOR FILE NO. S.D.P. 01-103 / WP 98-15
Date: 1/30/95

Scale: As Shown

DES: KW | DRAW: FW | CHK: DEH | SHEET 4 OF 10