

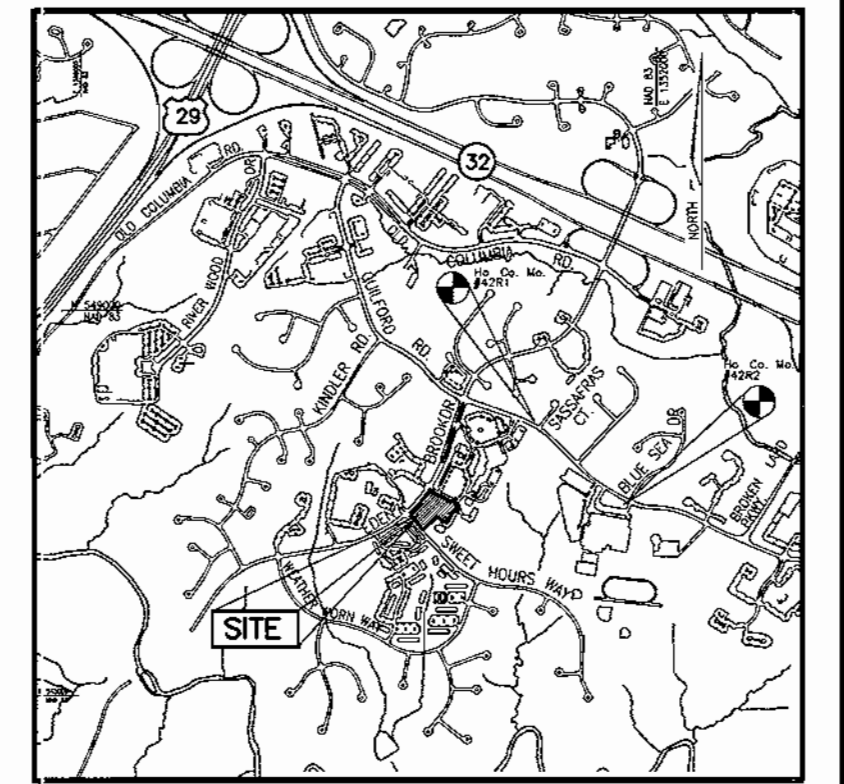
**GENERAL NOTES**

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The contractor is to notify the following utilities or agencies at least five days before starting work on these drawings:
  - Miss Utility: 1-800-257-7777
  - Verizon Telephone Company: (410) 754-6281
  - Howard County Bureau of Utilities: (410) 313-2366
  - AT&T Cable Location Division: 833-3553
  - B.G.E. Co. Contractor Services: 850-4820
  - B.G.E. Co. Underground Damage Control: 787-4620
  - State Highway Administration: 531-5533
- Site analysis:
  - Area of parcel F-3: 0.2507 acs.
  - Area of parcel F-4: 0.2507 acs.
  - Area of parcel F-5: 1.9622 acs.
  - Total Site Area: 2.4636 acs.

Present zoning: NEW TOWN OPEN SPACE per Plat 12376  
 Use of structures: Religious  
 Total building area: 12,714 sf  
 Building coverage on site:  
 Area of parcel F-3: 0.1460 acs. 58.2%  
 Area of parcel F-4: 0.1460 acs. 58.2%  
 Area of parcel F-5: 0 acs. 0%

There are no steep slopes on-site
- Project background:
  - Location: Columbia, Md.; Tax Map 42, Parcel F-3, F-4 & F-5.
  - Zoning: NEW TOWN OPEN SPACE per the 10/18/93 Comprehensive Zoning Plan.
  - Section/Area: 2/4
  - Site Area: 2.4636 Acres
  - DPZ references: SDP-97-25, F-96-181, F-85-114, F-02-137
  - FDP PLAN PHASE 178-A-II PART IV, VILLAGE OF KINGS CONTRIVANCE-- (PLAT# 3054-A-1658) Has been Recorded on 9/16/02 among the Land Records of Howard County as Plats No(s). 15570 to 15573.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to start of work.
- Any damage to public right-of-ways, paving, or existing utilities will be corrected at the contractor's expense.
- Existing utilities located from Field Surveys and available record drawings. Approximate location of existing utilities are shown for the contractors information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
- All reinforced concrete for storm drain structures shall have a minimum of 28 days strength of 3,500 p.s.i.
- Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
- Estimates of earthwork quantities are provided solely for the purpose of calculating fees.
- Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer. Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test.
- All storm drain pipe bedding shall be Class 'C'
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 42R1 and 42R2 were used for this project.
- A noise study is not required for this project.
- Existing topography is based on field run information performed by Frederick Ward Associates, Inc. in June, 2001.
- See sheet 6 for paving section details.
- All curb and gutter to be Howard County Standard concrete Detail R3.01 unless otherwise specified.
- There are no wetlands, streams, or flood plains located onsite.
- Where drainage flows away from curb, contractor to reverse the gutter pan.
- All elevations are to flowline/bottom of curb unless otherwise noted.
- All dimensions are to face of curb unless otherwise noted.
- This site is exempt from the Forest Conservation Ordinance in accordance with 16.1202(b) of Howard County Code with a planned unit development which has preliminary development plan approval and 50% or more of the land is recorded and substantially developed before December 31, 1992.
- Contractor to connect roof drains to storm drain system, except as noted.
- Contractor to sod all areas within 10' of proposed building. All other areas to be seeded and mulched.
- Proposed water and sewer service to be public.
- Stormwater Management in accordance with 2000 Maryland Stormwater Management Manual. Cpv, is provided by a regional pond located offsite. Rev and WQv provided by Bioretention areas onsite for proposed buildings including future connector building and the adjacent parking.
- Any increase in impervious area, more than the allowed 1.59 acres, will require a new stormwater management design. The new design will be done in accordance with the current requirements at that time.
- Water meters are located inside buildings. See architectural plans for details.
- Handicap accessible entrances located in front of buildings only to have a minimum 5' level section with 2% maximum slope.
- A reciprocal shared access, parking and maintenance agreement has been recorded in the Land Records of Howard County, concurrently with the plat at Liber 6851, Folio 46Z, granting the owners/users of Parcels F2, F3, and F4 the right to access for any area of this easement and use of all parking spaces on Parcel F5.

# SITE DEVELOPMENT PLAN KINGS CONTRIVANCE INTERFAITH CAMPUS



VICINITY MAP  
SCALE: 1"=2000'

**BENCHMARKS**

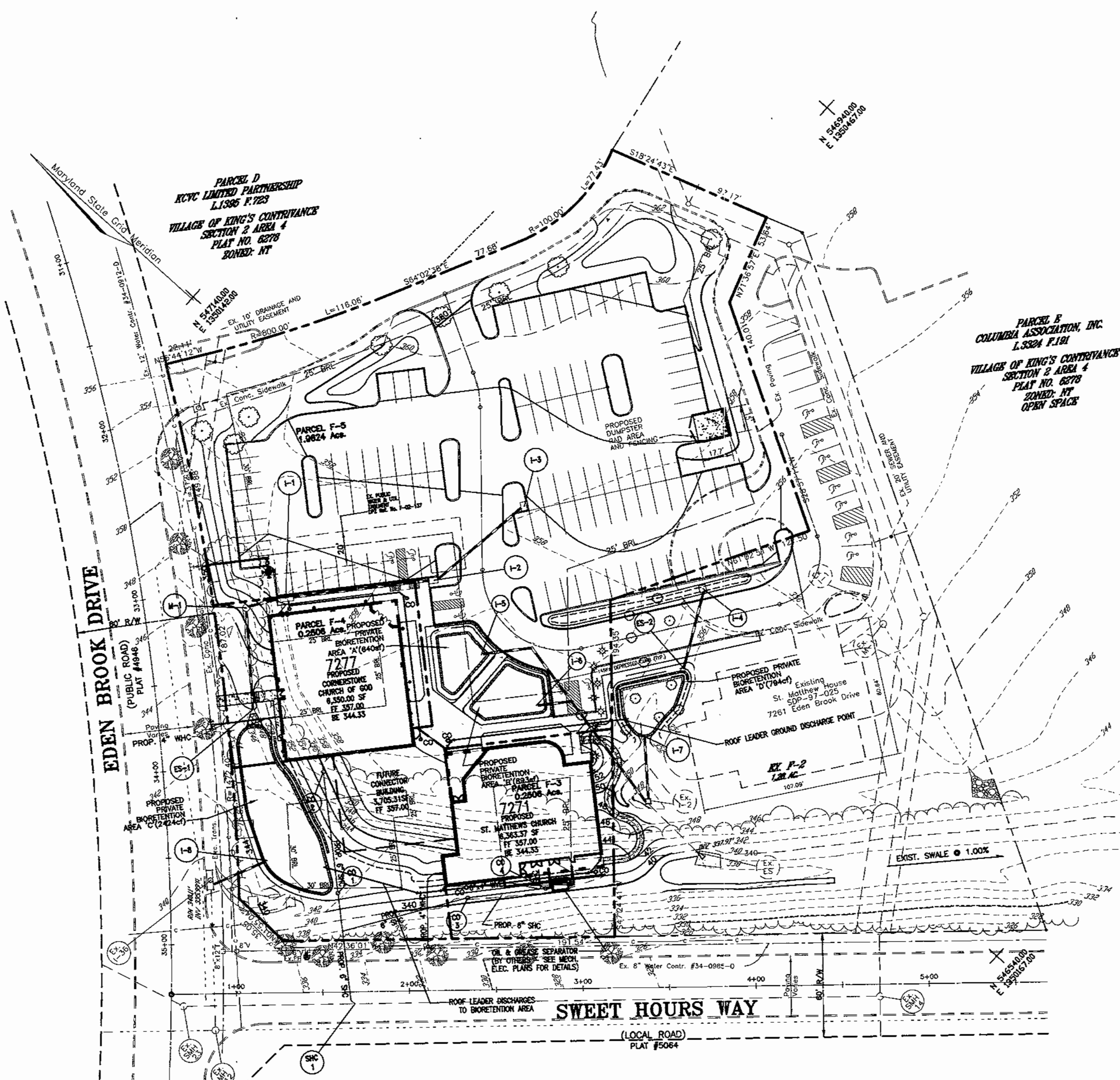
HOWARD COUNTY MONUMENT #42R1  
 N 547820.221 E 1351171.573  
 ELEV. 376.583  
 REBAR & CAP - 3.1' FROM NORTH EDGE GUILDFORD RD., 50'± WEST OF SASSAFRAS CT.

HOWARD COUNTY MONUMENT #42R2  
 N 546,946.783 E 1352118.583  
 ELEV. 332.188  
 REBAR AND CAP - SOUTH SIDE OF GUILDFORD RD. @ S.W. CORNER OF EXIT ROAD FOR HAMMOND H.S.

NOTE:  
 HORIZONTAL CONTROL IS IN NAD83.  
 VERTICAL CONTROL IS IN NGVD29.

**LEGEND**

Existing Contour: ———— 392  
 Proposed Contour: - - - - - 392  
 Spot Elevation: ● +82.53  
 Direction of Flow: ————>

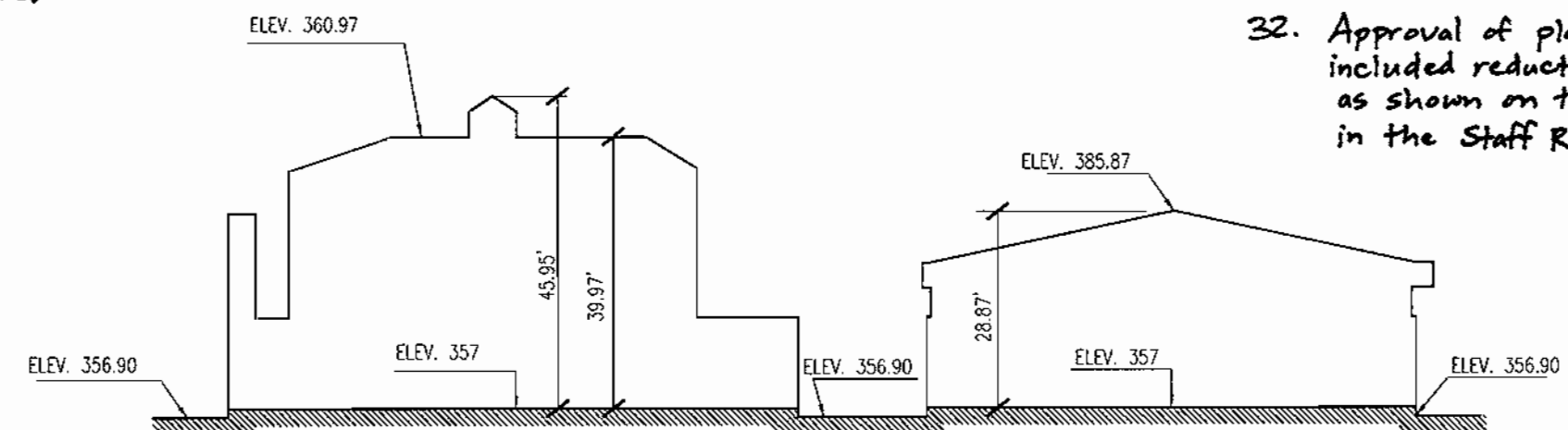


LOCATION MAP  
SCALE: 1"= 50'

PARKING TABULATION	
<b>PARKING REQUIRED</b>	
165 SEATS PER CHURCH BLDG:	
330 TOTAL SEATS @ 1 SPC/3 SEATS=	110 SPCS
<b>PARKING PROVIDED</b>	111 SPCS
INCLUDING: 6 HANDICAP SPCS	

**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: July 12, 2002

NO.	REVISION	DATE



ST. MATTHEWS CHURCH  
NOT TO SCALE

CORNERSTONE CHURCH OF GOD  
NOT TO SCALE

32. Approval of plan by Planning Board included reductions to required setbacks as shown on this plan and outlined in the Staff Report.

SHEET INDEX	
DESCRIPTION	SHEET NO.
Cover Sheet	1 of 12
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Site Layout and Utilities Plan	3 of 12
Storm Drain Profiles and Drainage Area Map	4 of 12
Water and Sewer Profiles	5 of 12
Site Details	6 of 12
Grading and Erosion & Sediment Control Plan	7 of 12
Erosion & Sediment Control Notes and Details	8 of 12
Landscape Plan	9 of 12
Stormwater Management Details, Notes and Specifications	10 of 12
Stormwater Management Details, Notes and Specifications	11 of 12
Existing and Developed Conditions Drainage Area Map	12 of 12

**OWNER/DEVELOPER**  
 KINGS CONTRIVANCE INTERFAITH CAMPUS, INC.  
 16771 BREDLERIN TERRACE  
 COLUMBIA, MARYLAND 21044  
 (410) 418-8077  
 CONTACT: FR. RAY VELENCIA, PRESIDENT

ADDRESS CHART	
LOT/PARCEL#	STREET ADDRESS
F-3	7271 Edin Brook Drive, Columbia, MD 21046
F-4	7277 Edin Brook Drive, Columbia, MD 21046

PERMIT INFORMATION CHART				
SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER		
Village of Kings Contrivance	2/4	F-3, F-4, F-5		

DEED REF.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
Plat # 15393	7	NEW TOWN	42	6th	6068.01

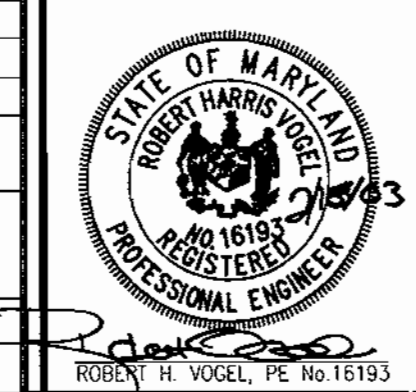
WATER CODE: E16	SEWER CODE: 6340000
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**SITE DEVELOPMENT PLAN  
COVER SHEET**  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DESIGN BY: CLS  
 DRAWN BY: JNA  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=100'  
 W.O. NO.: 2017138

REF: F-02-137  
 1 OF 12 SHEETS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

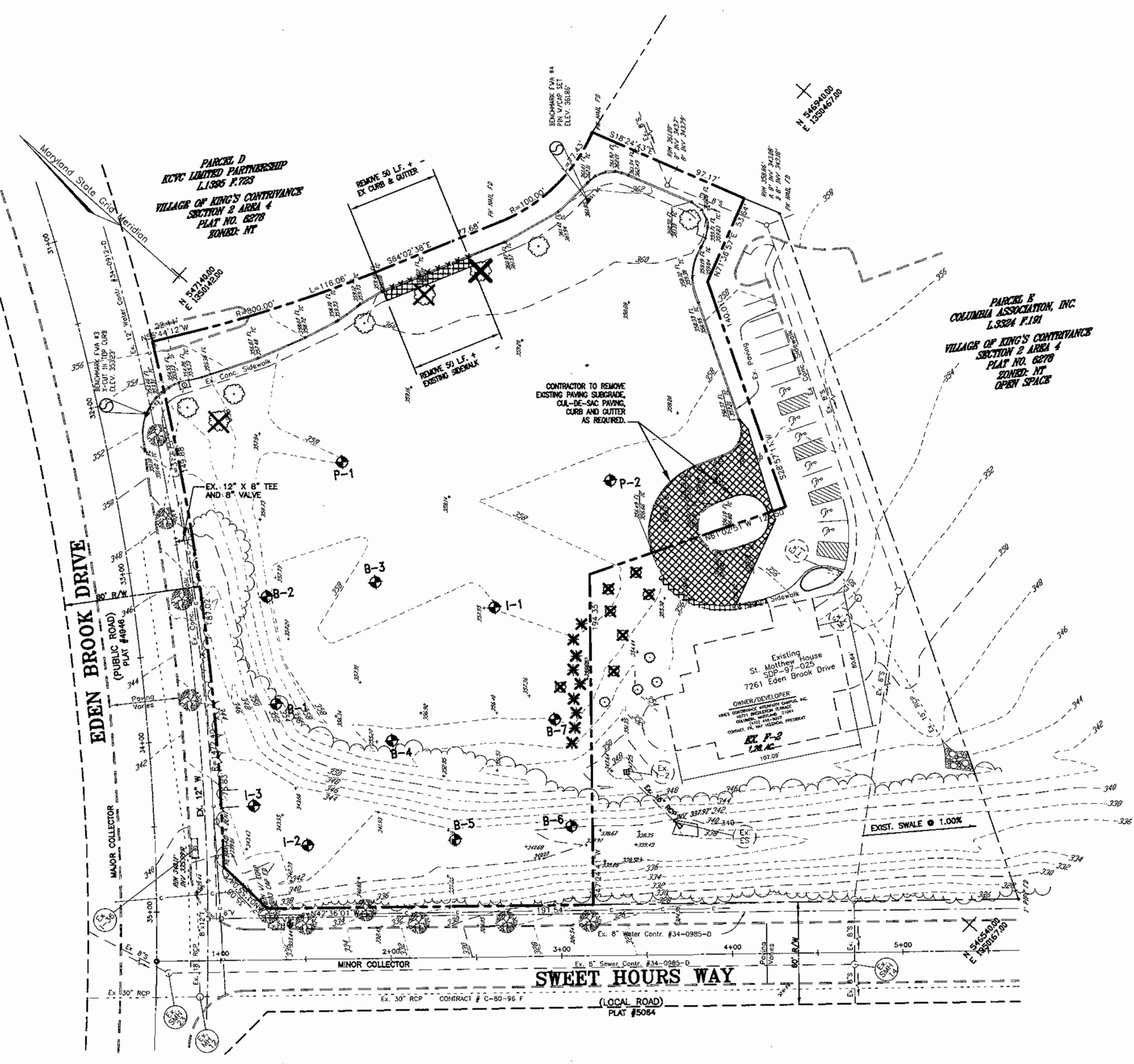
*John Dammann* 3/11/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Cathy Hamlett* 3/14/03  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Jaesha McLaughlin* 3/14/03  
 DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

\_\_\_\_\_  
 COUNTY HEALTH OFFICER DATE



EXISTING CONDITIONS AND DEMOLITION PLAN  
SCALE: 1" = 50'

DEMOLITION LEGEND

- PAVING TO BE REMOVED
- CURB & GUTTER TO BE REMOVED
- EXIST. PIPE TO BE ABANDONED
- EXIST. TREE TO BE REMOVED

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE July 10, 2002

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 5/11/03  
  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE 7/14/03  
  
 DIRECTOR DATE 5/10/03

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-1 Page 1 of 2

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
324.0	Topsoil 1"	0.0	1.0	1	10"	Fill Soil
323.5	Brown, moist, loose, silty SAND, trace mica (SM)	2.5	2.5	1	10"	Offset 25.0' East
323.0	Brown and gray, moist, medium dense silty SAND with rock fragments and gravel fragments, trace mica (SM)	5.0	5.0	2	10"	NM-10.2
322.5	Gray, moist, loose, silty SAND, trace mica (SM)	7.5	7.5	3	10"	
322.0	Gray, moist, loose, silty SAND with wood chips, trace mica (SM)	10.0	10.0	4	14"	NM-10.2
321.5	Gray, moist, loose, silty SAND, trace mica (SM)	12.5	12.5	5	10"	
321.0	Gray, moist, loose, silty SAND with wood chips, trace mica (SM)	15.0	15.0	6	14"	
320.5	Multicolored, moist, medium dense, silty SAND, trace rock fragments and mica (SM)	17.5	17.5	7	10"	Natural Soil

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-2 Page 2 of 2

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
320.0	Orange brown, moist, loose, silty SAND, trace mica (SM)	20.0	20.0	8	10"	
319.5	Multicolored, moist, medium dense, silty SAND, trace mica (SM)	22.5	22.5	8	10"	
319.0		25.0	25.0	9	10"	
318.5		27.5	27.5	9	10"	
318.0		30.0	30.0	9	10"	
317.5	Bottom of hole @ 30.0'					

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-1 Page 1 of 1

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
323.5	Topsoil 1"	0.0	1.0	1	14"	Fill Soil
323.0	Brown, moist, loose, sandy SILT with mica (SM)	2.5	2.5	2	10"	
322.5	Thin, moist, medium dense, sandy SILT with mica (SM)	5.0	5.0	11	10"	
322.0	Light brown, moist, medium dense sandy SILT with mica (SM)	7.5	7.5	4	14"	
321.5	Brown, moist, loose, silty SAND, trace mica (SM)	10.0	10.0	5	10"	
321.0	Brown, moist, loose, silty SAND, trace mica (SM)	12.5	12.5	6	10"	
320.5	Brown, moist, loose, silty SAND, trace mica (SM)	15.0	15.0	7	10"	
320.0	Bottom of hole @ 15.0'					

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-1 Page 2 of 2

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
322.5	Multicolored, moist, medium dense, silty SAND, trace rock fragments and mica (SM)	5.0	5.0	8	10"	
322.0		7.5	7.5	9	10"	
321.5	Multicolored, moist, medium dense, silty SAND, trace mica and rock fragments (SM)	10.0	10.0	9	10"	
321.0		12.5	12.5	9	10"	
320.5		15.0	15.0	9	10"	
320.0	Bottom of hole @ 30.0'					

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-2 Page 1 of 2

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
323.5	Topsoil 1"	0.0	1.0	1	14"	Fill Soil
323.0	Dark brown, moist, medium dense, SILT with mica, trace mica (SM)	2.5	2.5	2	12"	
322.5	Brown, moist, loose, silty SAND, trace mica (SM)	5.0	5.0	3	10"	
322.0	Brown, moist, loose, silty SAND, trace mica (SM)	7.5	7.5	4	10"	
321.5	Brown, moist, medium dense silty SAND, trace mica (SM)	10.0	10.0	5	8"	
321.0		12.5	12.5	6	8"	
320.5		15.0	15.0	7	8"	
320.0	Bottom of hole @ 30.0'					

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-2 Page 1 of 1

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
323.5	Topsoil 1"	0.0	1.0	1	10"	Fill Soil
323.0	Multicolored, moist, loose, silty SAND with rock fragments, trace mica (SM)	2.5	2.5	2	10"	
322.5	Multicolored, moist, medium dense, silty SAND with rock fragments, trace mica (SM)	5.0	5.0	2	10"	Natural Soil
322.0	Multicolored, moist, loose, silty SAND with rock fragments, trace mica (SM)	7.5	7.5	3	10"	
321.5	Multicolored, moist, medium dense, silty SAND, trace mica (SM)	10.0	10.0	4	10"	
321.0		12.5	12.5	4	10"	
320.5		15.0	15.0	7	10"	
320.0	Bottom of hole @ 15.0'					

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-2 Page 1 of 2

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
323.5	Topsoil 1"	0.0	1.0	1	10"	NM-10.2
323.0	Brown, very moist, loose, sandy SILT, trace mica (SM)	2.5	2.5	1	10"	Offset 15.0' East
322.5		5.0	5.0	2	10"	Fill Soil
322.0	Gray, very moist, loose, sandy SILT, trace mica (SM)	7.5	7.5	3	10"	NM-10.2
321.5	Gray, moist, loose, silty SAND with fragments, trace mica (SM)	10.0	10.0	4	14"	NM-10.2
321.0		12.5	12.5	5	10"	
320.5	Gray, moist, loose, silty SAND, trace mica (SM)	15.0	15.0	6	10"	Natural Soil
320.0		17.5	17.5	7	10"	

HILLIS - CARNES ENGINEERING ASSOCIATES, INC. RECORD OF SOIL EXPLORATION

Project Name: Kings Contrivance  
Location: Howard County, MD  
Job Number: 05001A  
Boring Number: B-2 Page 2 of 2

Dist. Elev.	Soil Description (Color, Moisture, Density, Size, Proportion)	Dist. Depth	Dist. Scale	Dist. No.	Dist. Rec.	Dist. Notes
320.0	Brown, moist, medium dense silty SAND, trace rock fragments (SM)	20.0	20.0	8	9"	
319.5		22.5	22.5	8	9"	
319.0		25.0	25.0	9	10"	
318.5		27.5	27.5	9	10"	
318.0		30.0	30.0	9	10"	
317.5	Bottom of hole @ 30.0'					

EXISTING CONDITIONS AND DEMOLITION PLAN

KINGS CONTRIVANCE INTERFAITH CAMPUS  
PARCELS F-3, F-4 AND F-5  
A RESUBDIVISION OF PARCEL F-1  
VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
6TH ELECTION DISTRICT

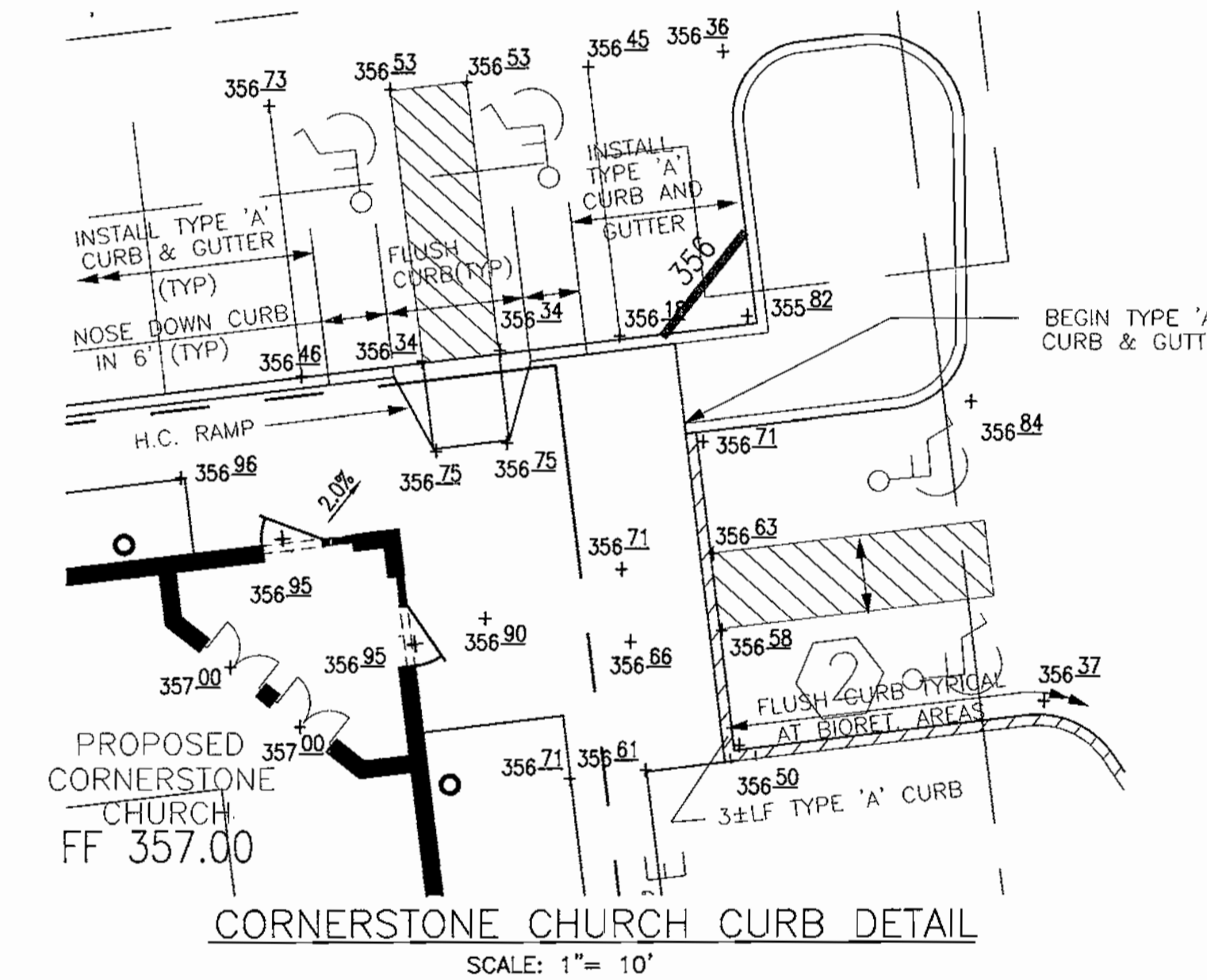
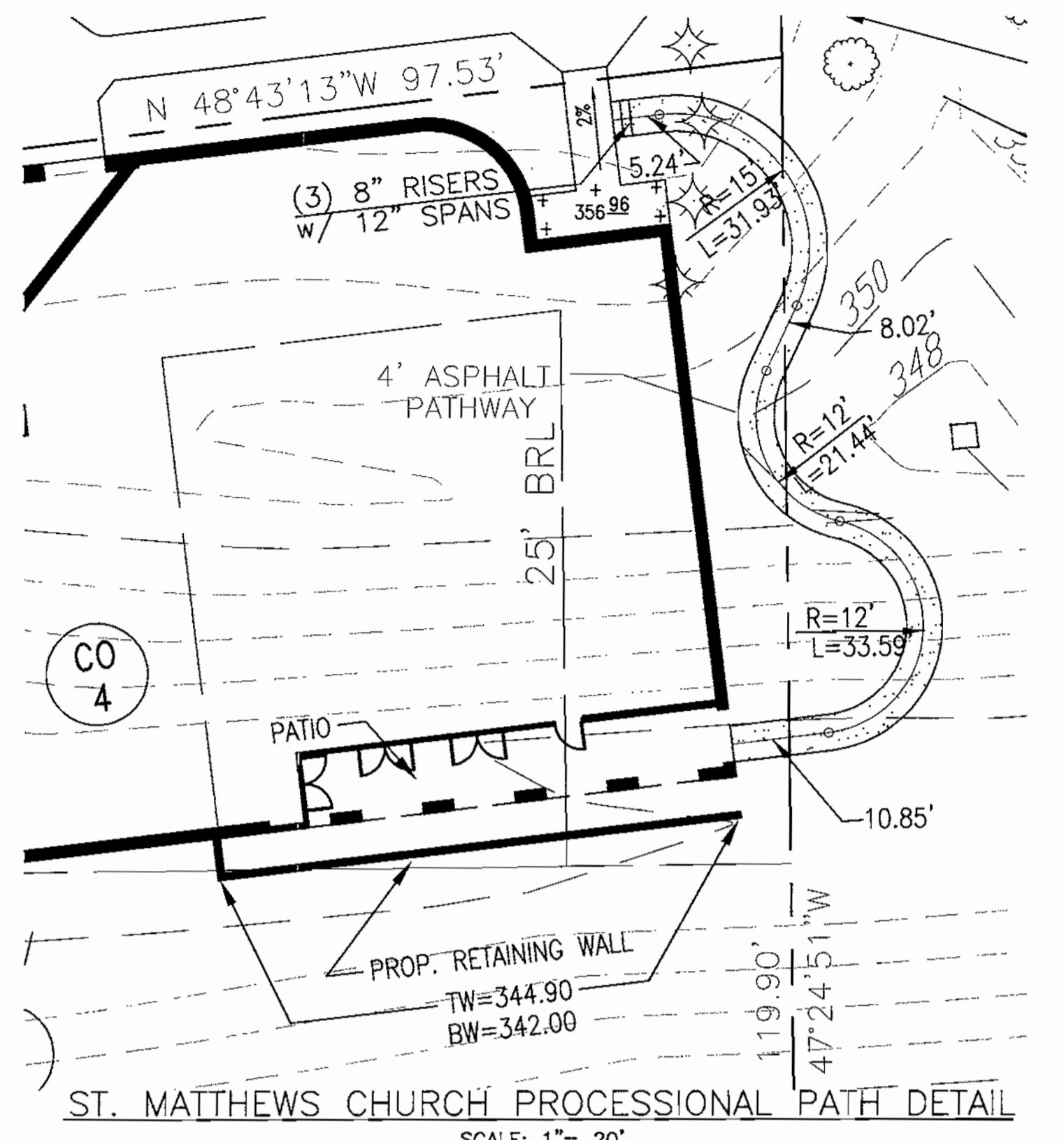
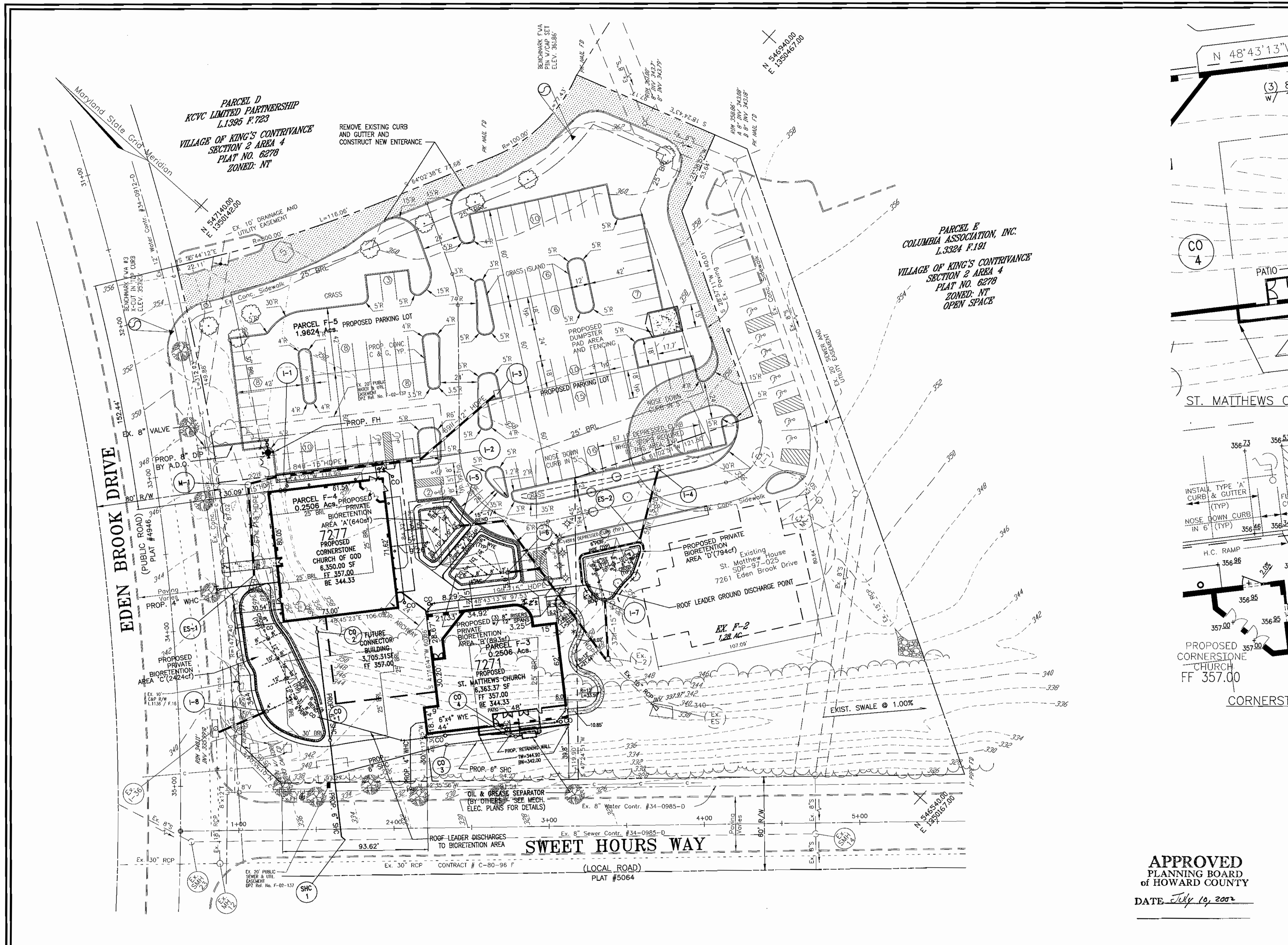
PARCEL 482  
HOWARD COUNTY, MARYLAND

FREDERICK WARD ASSOCIATES, INC.  
ENGINEERS ARCHITECTS SURVEYORS  
7125 Riverwood Drive Columbia, Maryland 21046-2354  
Phone: 410-290-9550 Fax: 410-720-6226  
Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: CJS  
DRAWN BY: JNA  
CHECKED BY: MMR  
DATE: FEB. 6, 2003  
SCALE: 1"=50'  
W.O. NO.: 2017138

REF: F-02-137

2 OF 12

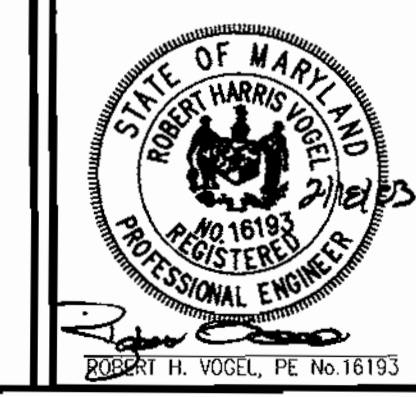


NO.	REVISION	DATE

**SITE LAYOUT AND UTILITIES PLAN**  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KING'S CONTRIVANCE

**APPROVED**  
**PLANNING BOARD**  
 OF HOWARD COUNTY  
 DATE July 19, 2002

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DESIGN BY: CLS  
 DRAWN BY: GRL  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.O. NO.: 2017138

REF: F-02-137

3 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 2/11/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

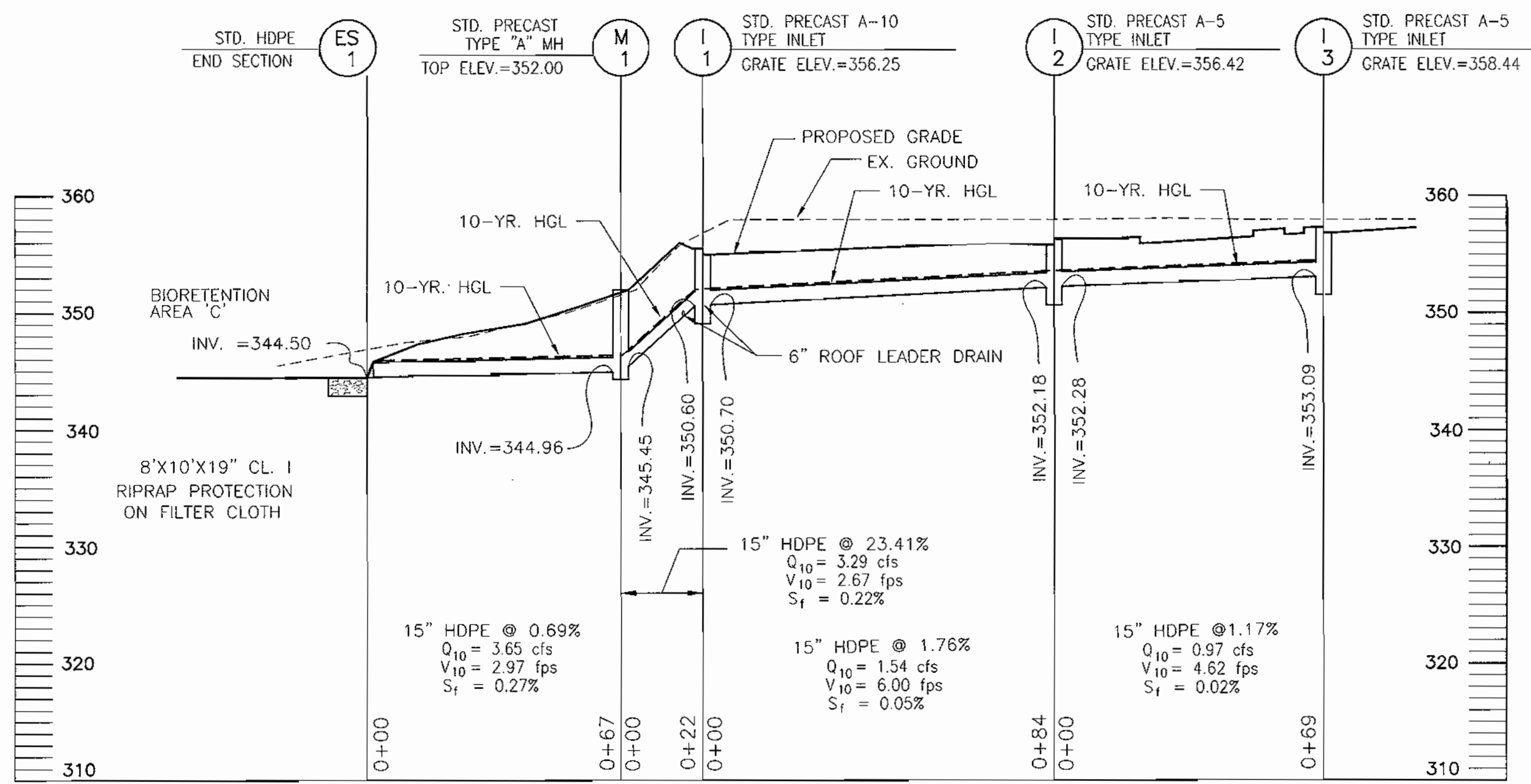
*[Signature]* 3/14/03  
 CHIEF, DIVISION OF LAND DEVELOPMENT

*[Signature]* 5/12/03  
 DIRECTOR

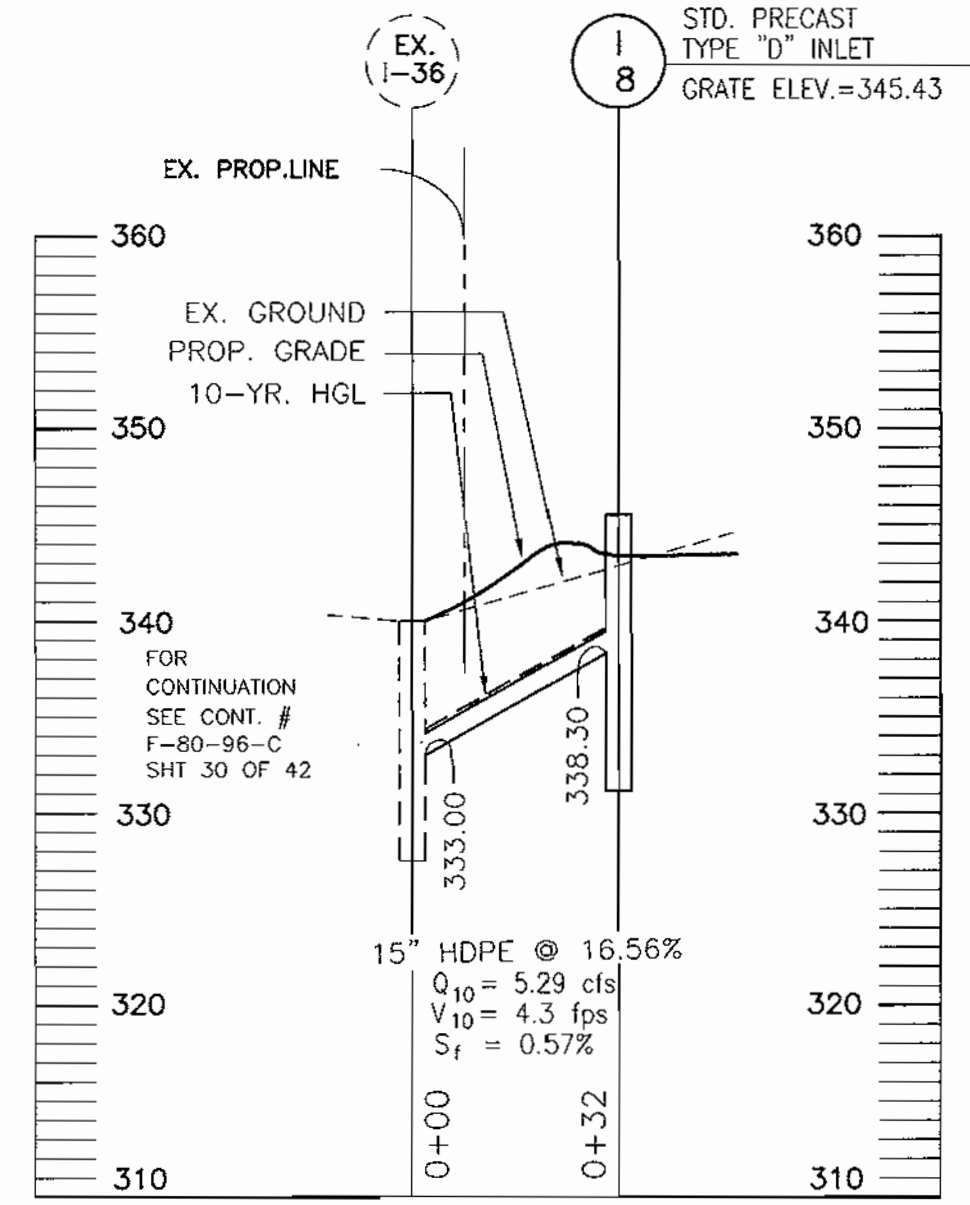
**NOTE:**  
 WATER METERS ARE LOCATED INSIDE BUILDINGS. SEE ARCHITECTURAL PLANS FOR DETAILS.

**NOTE:**  
 HANDICAP ACCESSIBLE ENTRANCES LOCATED IN FRONT OF BUILDINGS ONLY TO HAVE A MINIMUM 5" LEVEL SECTION WITH 2% MAXIMUM SLOPE.

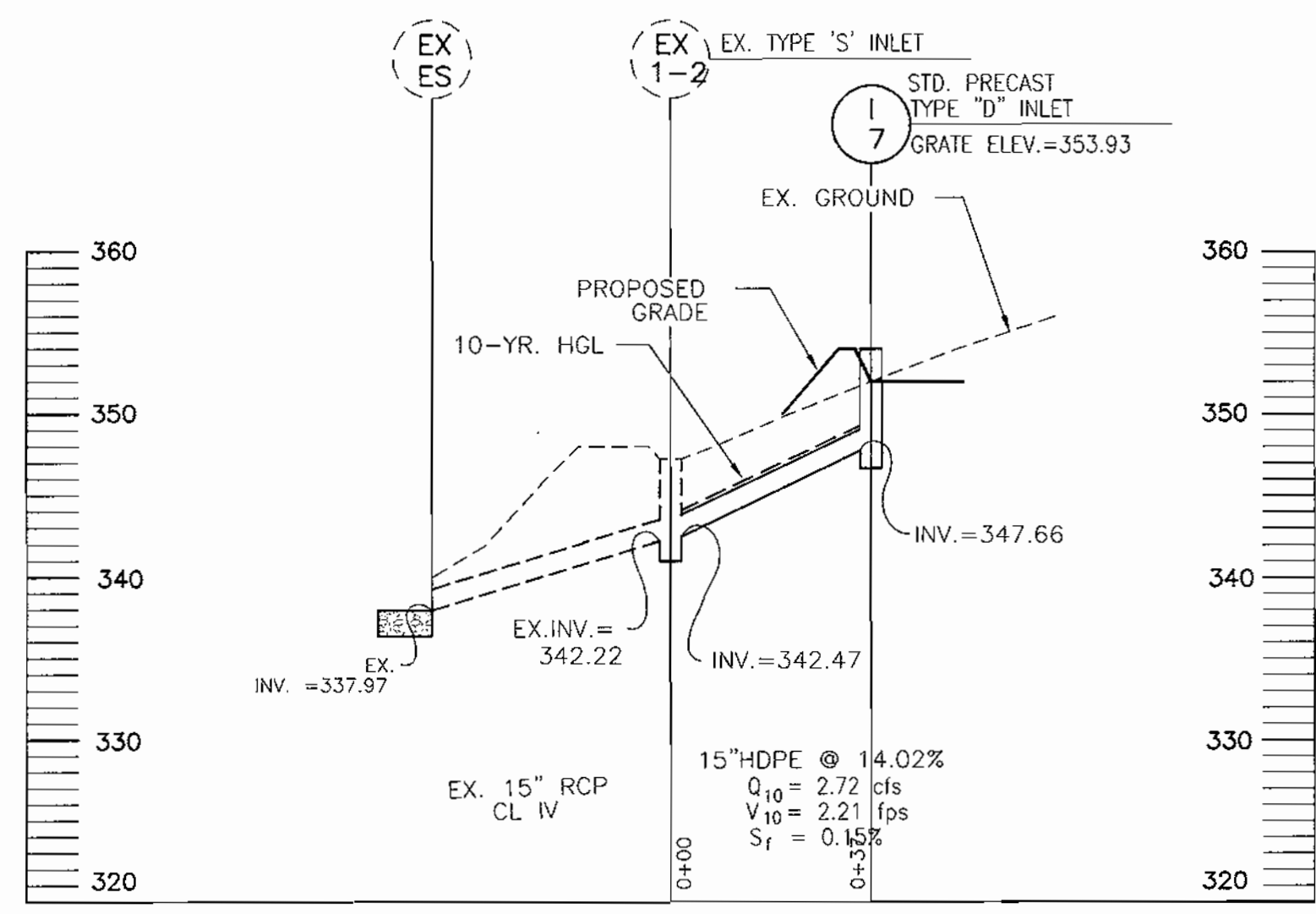
**\*NOTE:**  
 A SHARED PARKING AND MAINTENANCE AGREEMENT HAS BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, GRANTING THE OWNERS OF PARCEL F3 AND PARCEL F4 THE RIGHT TO USE ALL PARKING SPACES ON PARCEL F5.



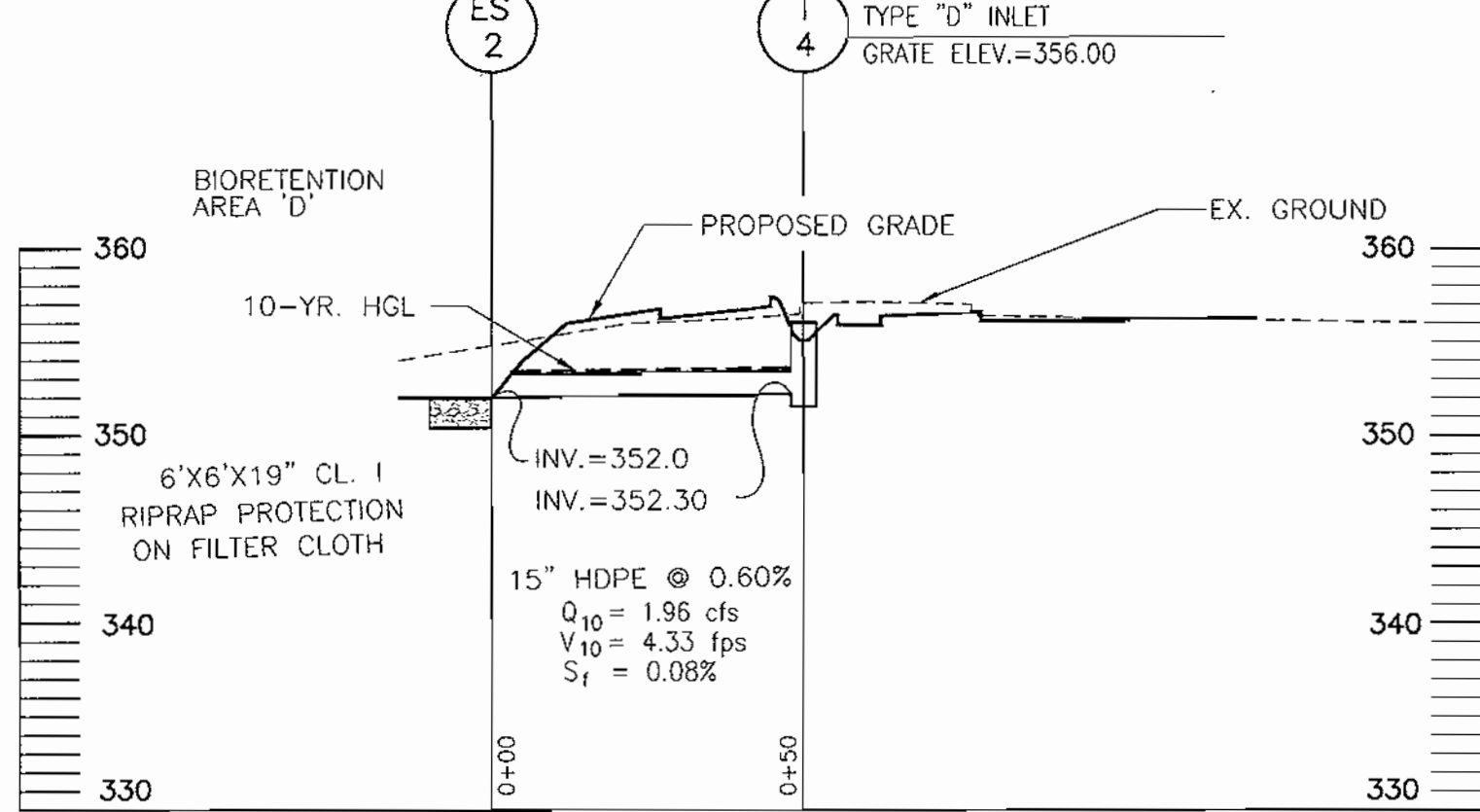
STORM DRAIN PROFILE  
SCALE: 1"=30' HORIZ.  
1"=10' VERT.



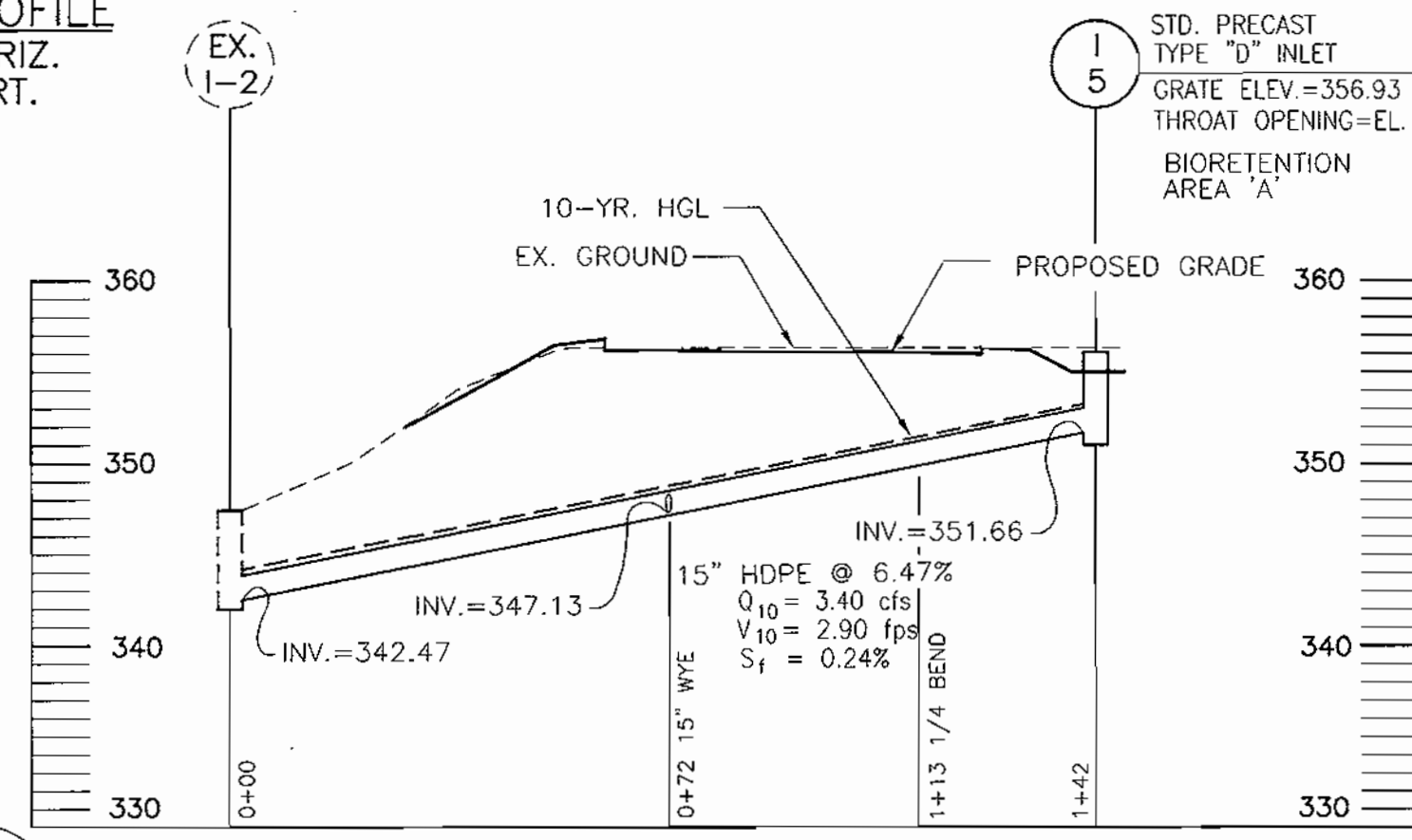
STORM DRAIN PROFILE  
SCALE: 1"=30' HORIZ.  
1"=10' VERT.



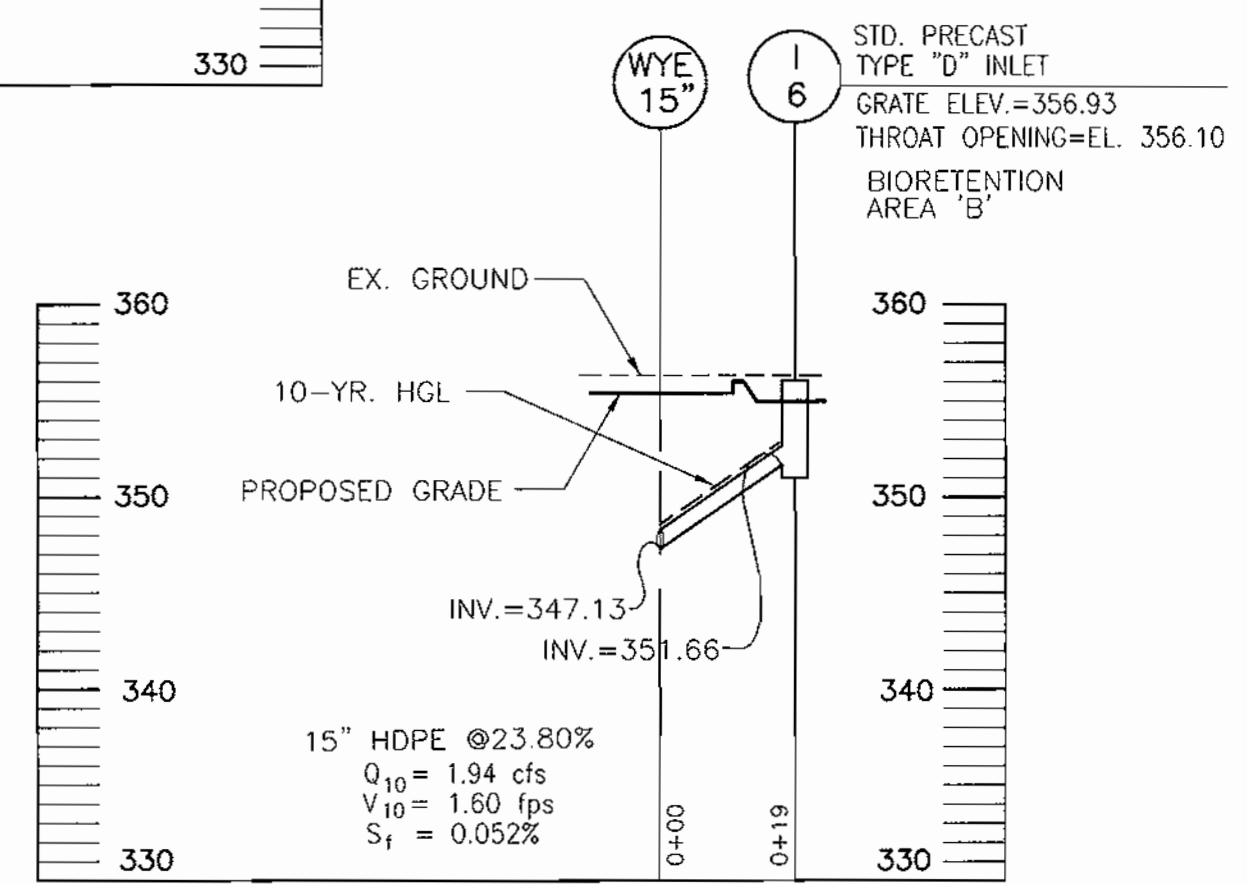
STORM DRAIN PROFILE  
SCALE: 1"=30' HORIZ.  
1"=10' VERT.



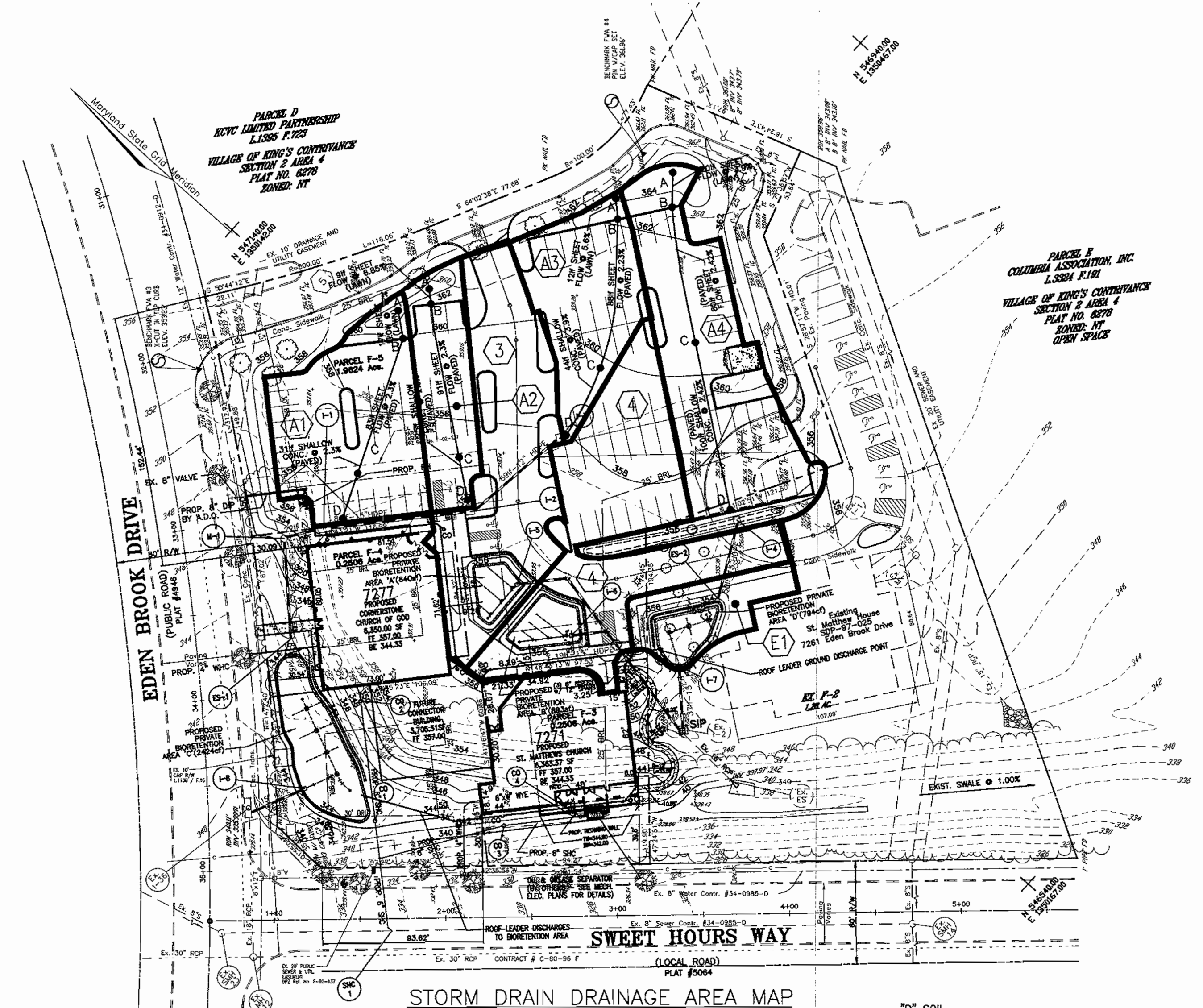
STORM DRAIN PROFILE  
SCALE: 1"=30' HORIZ.  
1"=10' VERT.



STORM DRAIN PROFILE  
SCALE: 1"=30' HORIZ.  
1"=10' VERT.



STORM DRAIN PROFILE  
SCALE: 1"=30' HORIZ.  
1"=10' VERT.



STORM DRAIN DRAINAGE AREA MAP  
SCALE: 1"= 50'

"B" SOIL  
85% IMPERVIOUS  
C = 0.72

APPROVED  
PLANNING BOARD  
of HOWARD COUNTY  
DATE July 10, 2002

DRAINAGE STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	DETAIL
I-1	A-10 INLET	350.70	350.60	356.25	SD-4.41
I-2	A-5 INLET	352.28	352.18	356.42	SD-4.00
I-3	A-5 INLET	-	353.09	358.44	SD-4.00
I-4	TYPE "D" INLET	-	352.30	356.00	SD-4.39
I-5	TYPE "D" INLET	-	351.66	356.93	SD-4.39
I-6	TYPE "D" INLET	-	351.66	356.93	SD-4.39
I-7	TYPE "D" INLET	-	347.66	353.93	SD-4.39
I-8	TYPE "D" INLET	-	340.33	345.43	SD-4.39
M-1	TYPE "A" MANHOLE, 48"	345.45	344.96	352.00	G-5.12
ES-1	HDPE END SECTION, 15"	-	344.50	-	SHT 6 OF 12
ES-2	HDPE END SECTION, 15"	-	352.00	-	SHT 6 OF 12

STORM DRAIN PIPE SCHEDULE		
SIZE	TYPE	LENGTH
15"	HDPE	522 LF
6"	PVC	433 LF

STORM DRAIN DRAINAGE AREA CHART						
INLET NO.	DRAINAGE AREA DESIGNATION	AREA (Ac)	% IMPERVIOUS	C	TC	Q
I-7	E-1	0.140	85	0.72	5.00	0.86
I-6	4	0.217	85	0.72	5.00	1.94
I-5	3	0.268	85	0.72	5.00	1.64
I-4	A-4	0.275	85	0.72	5.00	1.68
I-3	A-3	0.158	85	0.72	5.00	0.97
I-2	A-2	0.106	85	0.72	5.00	0.65
I-1	A-1	0.220	85	0.72	5.00	1.35
R.L.	5C	0.140	85	0.72	5.00	0.44 (to bio-ret. C)
R.L.	5B	0.073	85	0.72	5.00	0.44 (to bio-ret. D)
R.L.	5A	0.073	85	0.72	5.00	0.44 (to bio-ret. C)

ZONING "B" SOIL  
+ CORNERSTONE CHURCH ROOF DRAIN TO BIO-RETENTION C.  
\* ST. MATTHEWS ROOF DRAIN TO BIO-RETENTION D.  
O ST. MATTHEWS ROOF DRAIN TO BIO-RETENTION C.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE 3/11/03  
  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE 3/11/03  
  
 DIRECTOR  
 DATE 3/11/03

NO. \_\_\_\_\_ REVISION \_\_\_\_\_ DATE \_\_\_\_\_

STORM DRAIN PROFILES AND DRAINAGE AREA MAP  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

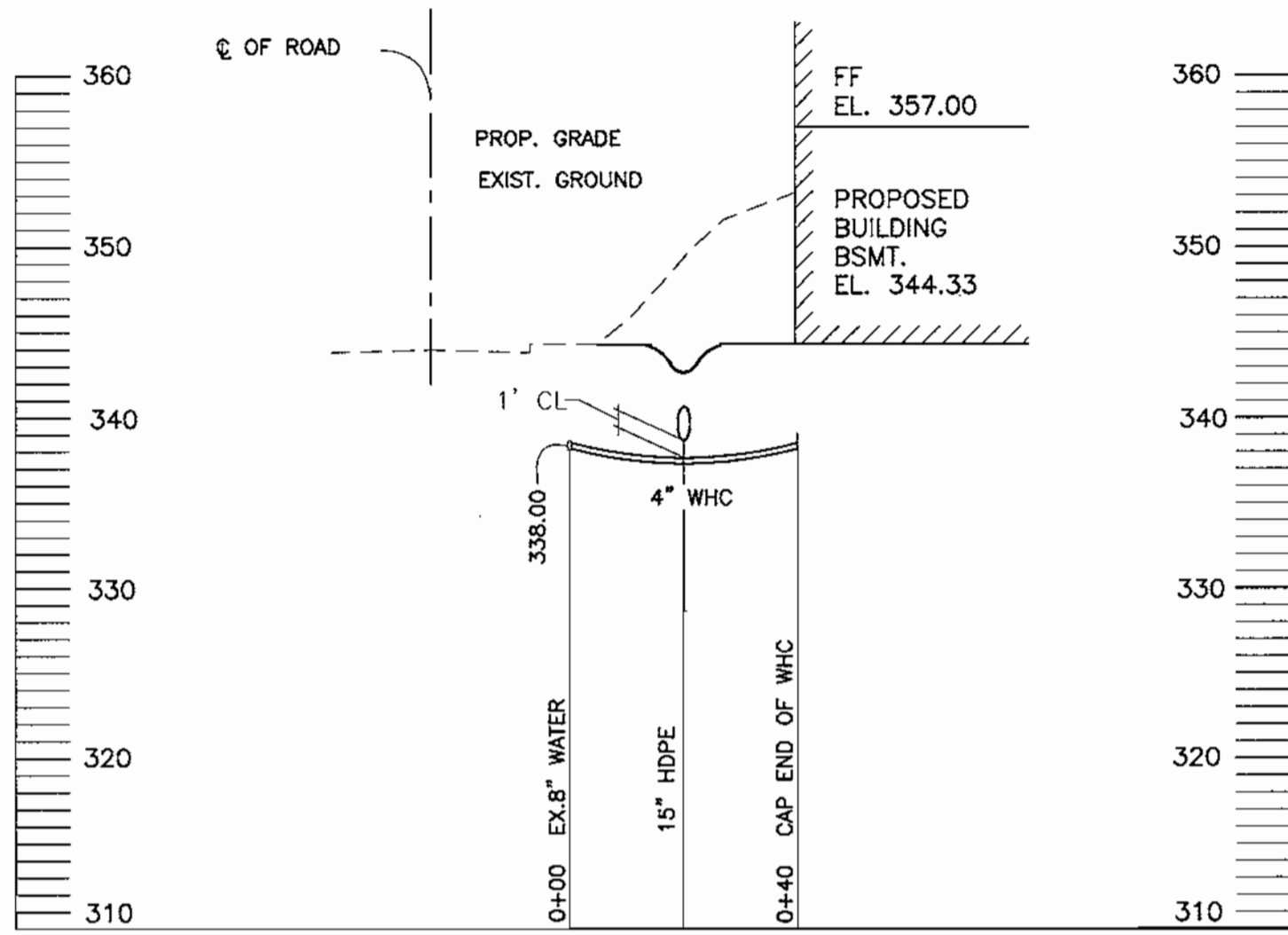
**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: CLS  
 DRAWN BY: JNA  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: (AS SHOWN)  
 W.O. NO.: 2017138

REF: F-02-137

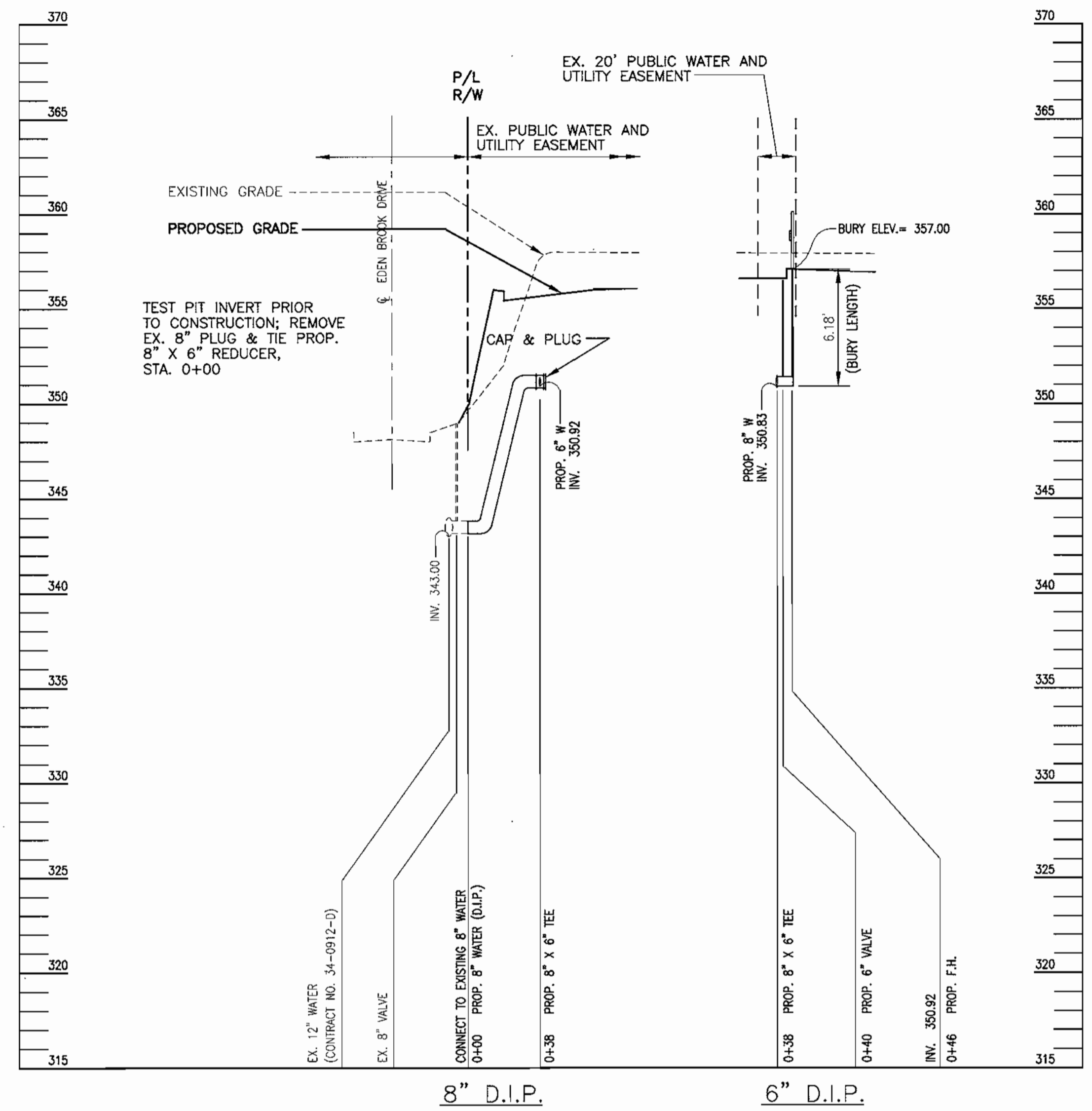
4 SHEET OF 12

ROBERT H. VOGEL, PE No. 16183



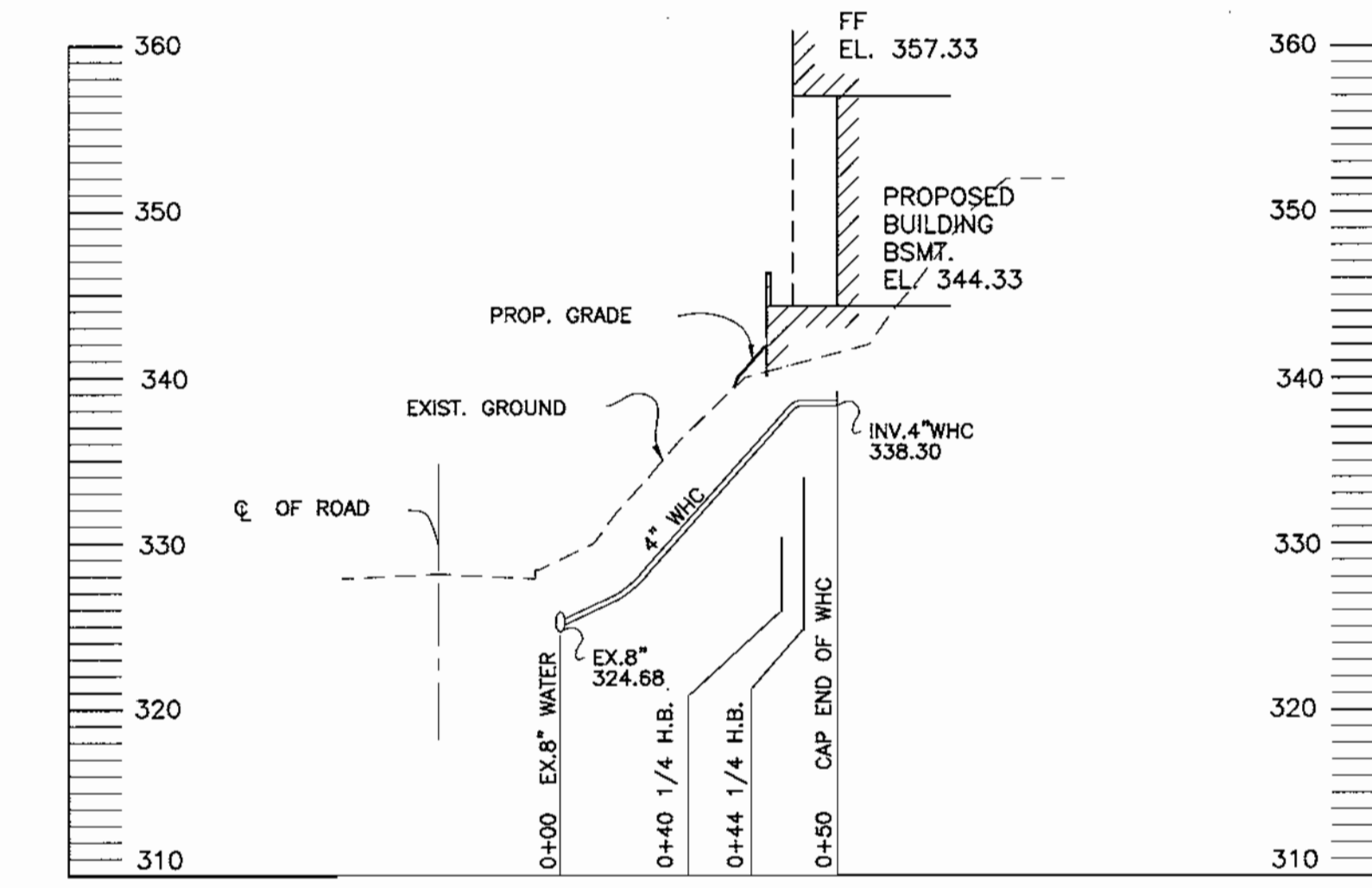
WATER HOUSE CONNECTION PROFILE  
CORNERSTONE CHURCH OF GOD

SCALE: 1"=30' HORIZ.  
1"=10' VERT.



WATER MAIN PROFILE

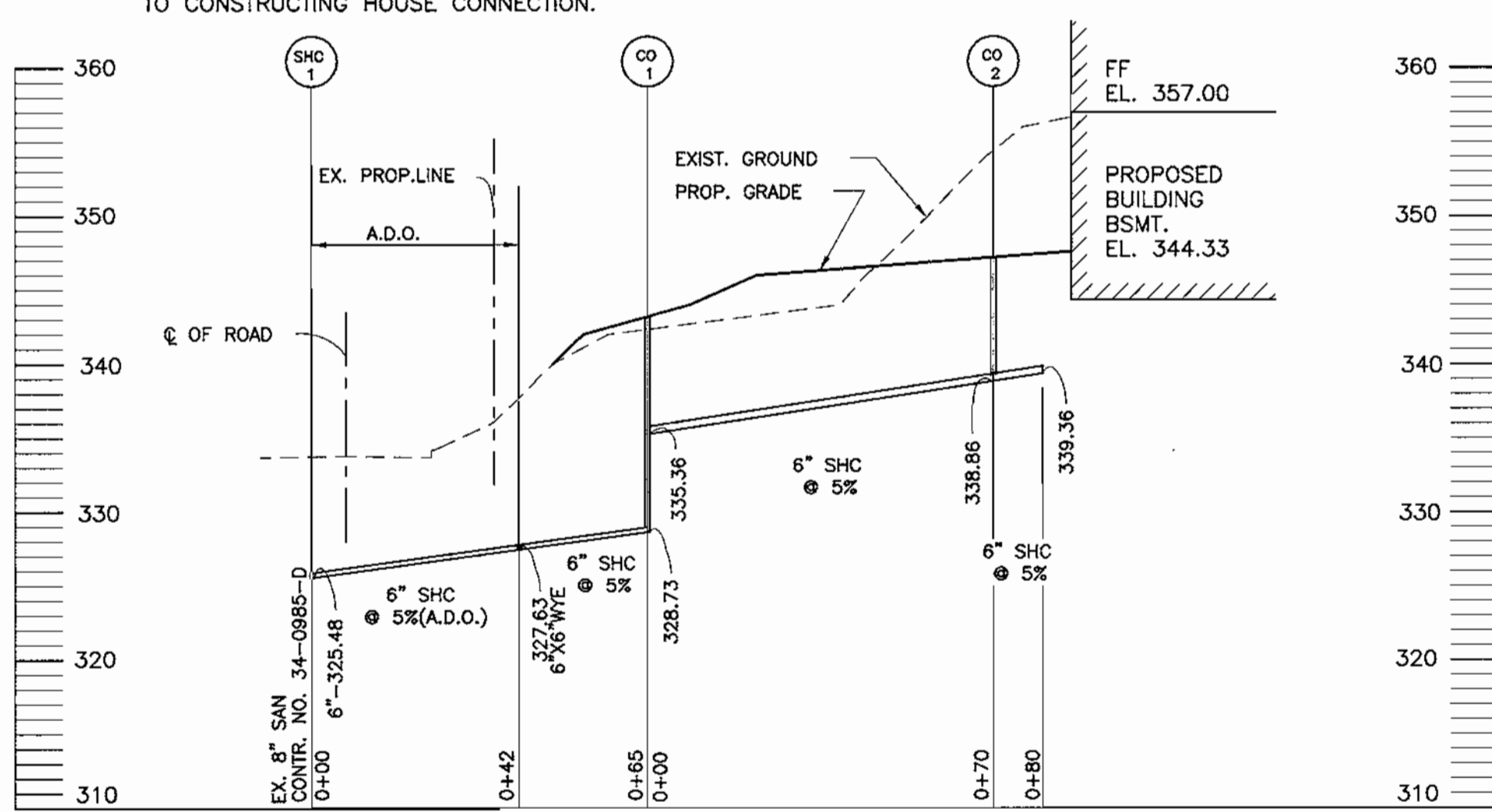
SCALE: 1"=50' HORIZ.  
1"=5' VERT.



WATER HOUSE CONNECTION PROFILE  
ST. MATTHEWS CHURCH

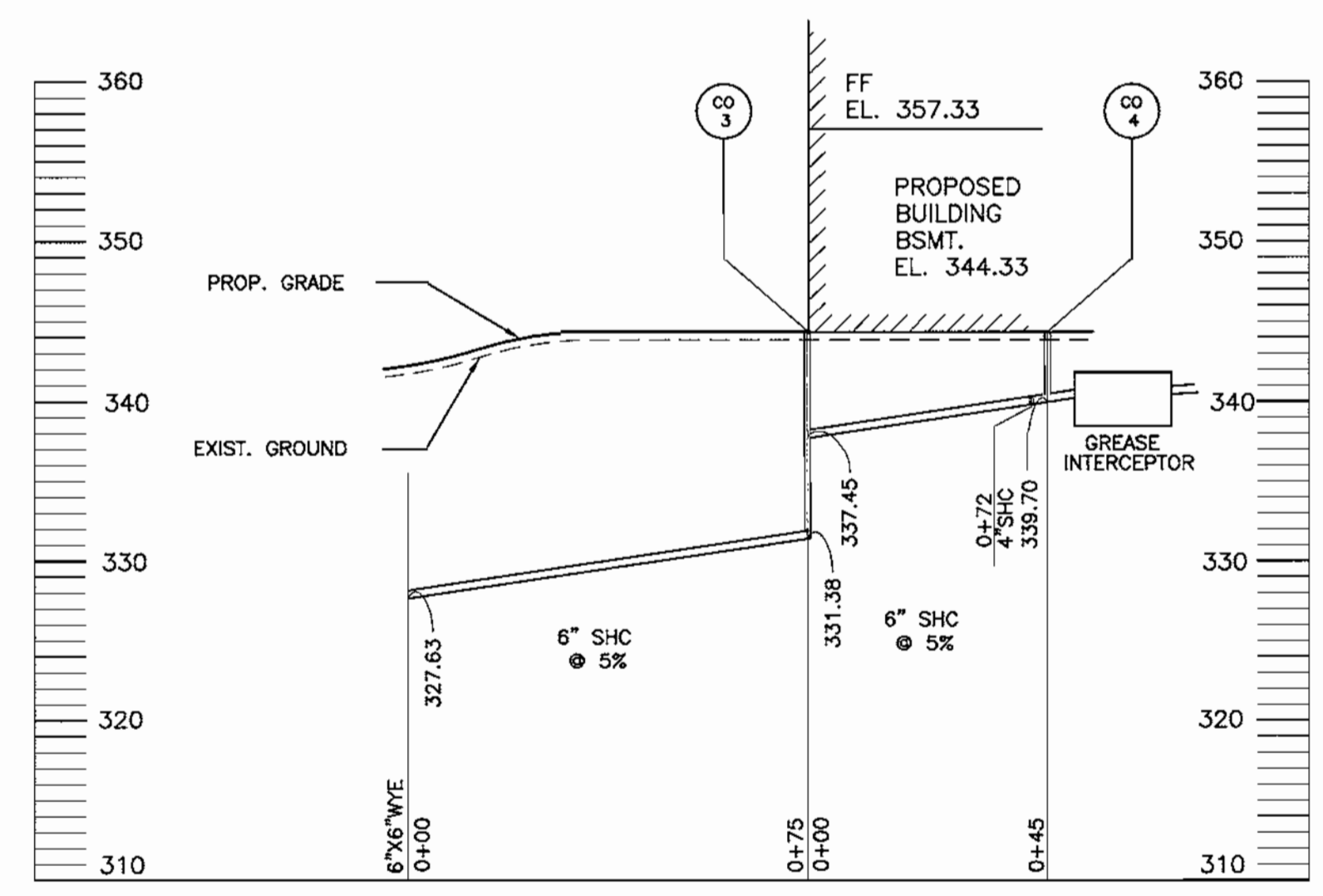
SCALE: 1"=30' HORIZ.  
1"=10' VERT.

NOTE:  
ELEVATION UNKNOWN.  
CONTRACTOR TO TEST PIT &  
FIELD VERIFY LOCATION PRIOR  
TO CONSTRUCTING HOUSE CONNECTION.



SEWER HOUSE CONNECTION PROFILE  
CORNERSTONE CHURCH OF GOD

SCALE: 1"=30' HORIZ.  
1"=10' VERT.



SEWER HOUSE CONNECTION PROFILE  
ST. MATTHEWS CHURCH

SCALE: 1"=30' HORIZ.  
1"=10' VERT.

GENERAL NOTES FOR  
UTILITY CONSTRUCTION

1. INFORMATION CONCERNING THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES WAS TAKEN FROM RECORDS PROVIDED BY UTILITY COMPANIES, AN ALTA SURVEY PREPARED BY FREDERICK WARD ASSOCIATES (DATED 3/01), AND HOWARD COUNTY DPM. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. FREDERICK WARD ASSOCIATES, INC. MAKES NO GUARANTEE AS TO THE COMPLETENESS OR ACCURACY OF UTILITIES AND THEIR LOCATIONS, SHOWN OR NOT SHOWN, ON THESE DRAWINGS. SUCH INFORMATION PROVIDED ON THESE PLANS IS FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE CONTRACTOR SHALL VERIFY THE PRESENCE, ABSENCE AND LOCATIONS OF ALL UTILITIES TO HIS SATISFACTION, PRIOR TO ANY WORK UNDER THIS CONTRACT.
2. THE CONTRACTOR IS TO NOTIFY MISS UTILITY AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION AND EXCAVATION. PHONE: 1-800-257-7777.
3. PRIOR TO ANY CONSTRUCTION UNDER THIS CONTRACT, CONTRACTOR SHALL TEST PIT TO VERIFY EXACT LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WHERE UTILITY TIE-INS AND CROSSINGS WILL BE ENCOUNTERED. ANY DISCREPANCIES IN HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DRAWINGS, PARTICULARLY AT PROPOSED STORM DRAIN, SANITARY AND WATER CONNECTIONS SHALL BE IMMEDIATELY REPORTED TO FREDERICK WARD ASSOCIATES PRIOR TO ANY CONTINUATION OF WORK UNDER THIS CONTRACT. THIS IS FOR THE PURPOSE OF IDENTIFYING ANY CONFLICTS, WHICH MAY IMPACT THE PROPOSED DESIGN, AND RESOLUTION OF SAID CONFLICTS PRIOR TO CONTINUATION OF WORK.
4. ANY EXISTING UTILITIES AND AMENITIES, WHICH MAY BE DAMAGED DUE TO TEST PITTING AND UTILITY CONSTRUCTION, SHALL BE REPAIRED IN KIND AT THE SOLE EXPENSE OF THE CONTRACTOR.
5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
6. LOCATION OF GAS AND ELECTRIC, AND TELEPHONE SERVICE TO BUILDING TO BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES BY THE OWNER.
7. UTILITIES TO BE INSTALLED IN LANDSCAPED AREAS SHALL BE WRAPPED WITH BIOBARRIER PIPE PROTECTION.
8. ALL UTILITY WORK WITHIN SHA R/W SHALL BE GOVERNED BY THE UTILITY PERMIT.

GENERAL NOTES FOR GRADING

1. COMPACTION IN BUILDING AND PAVEMENT AREAS TO BE AT 95%, AND COMPACTION IN LANDSCAPING AREAS TO BE AT 90%, TO MEET ASTM D-1557 REQUIREMENTS.
2. IT IS RECOMMENDED A GEOTECHNICAL ENGINEER BE RETAINED TO MONITOR EARTHWORK ACTIVITIES TO MAKE APPROPRIATE RECOMMENDATIONS AS NECESSARY.

GENERAL NOTES FOR WATER  
AND SEWER CONSTRUCTION

1. SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED AND CONTAIN COUNTERSUNK PLUGS.
2. UTILITIES SHALL MAINTAIN A MINIMUM 12-INCH CLEARANCE WHEN CROSSING EXISTING AND PROPOSED UTILITIES ON AND OFF SITE.
3. WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN PIPE.
4. WATER SERVICE SHALL BE SOFT ANNEALED TYPE K COPPER TUBING, OR APPROVED EQUAL. SANITARY SEWER PIPE SHALL BE PVC SDR 35, OR APPROVED EQUAL.
5. WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTION.

APPROVED  
PLANNING BOARD  
of HOWARD COUNTY

DATE July 19, 2002

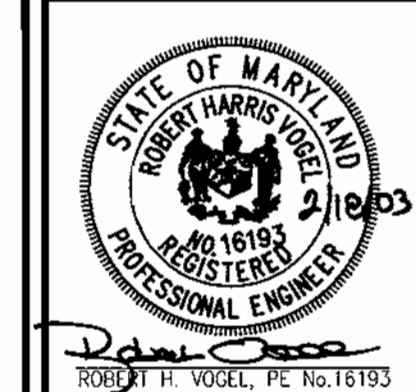
NO.	REVISION	DATE

WATER AND SEWER PROFILES  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
PARCELS F-3, F-4 AND F-5  
A RESUBDIVISION OF PARCEL F-1  
VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
6TH ELECTION DISTRICT

PARCEL 482  
HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DESIGN BY: CLS  
DRAWN BY: JNA  
CHECKED BY: MMR  
DATE: FEB. 6, 2003  
SCALE: (AS SHOWN)  
W.O. NO.: 2017138

REF: F-02-137

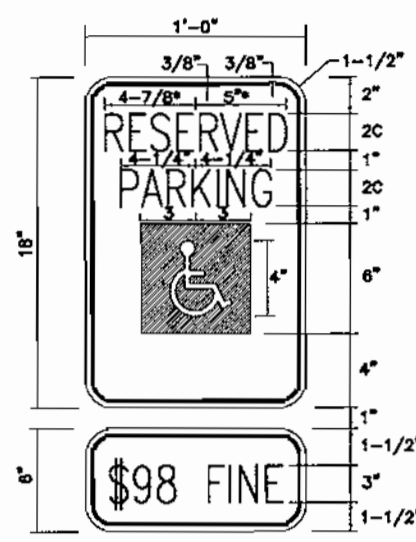
5 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

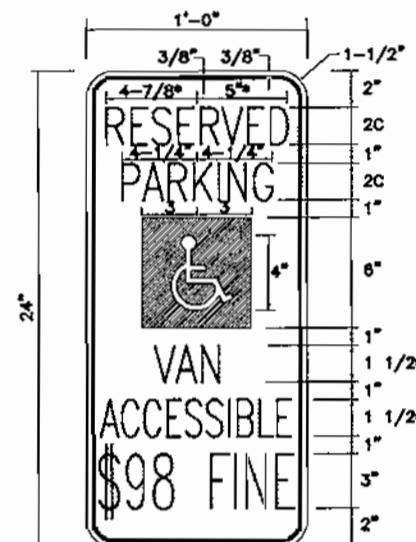
*W. Damann* 3/11/03  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Linda Hanish* 3/14/03  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

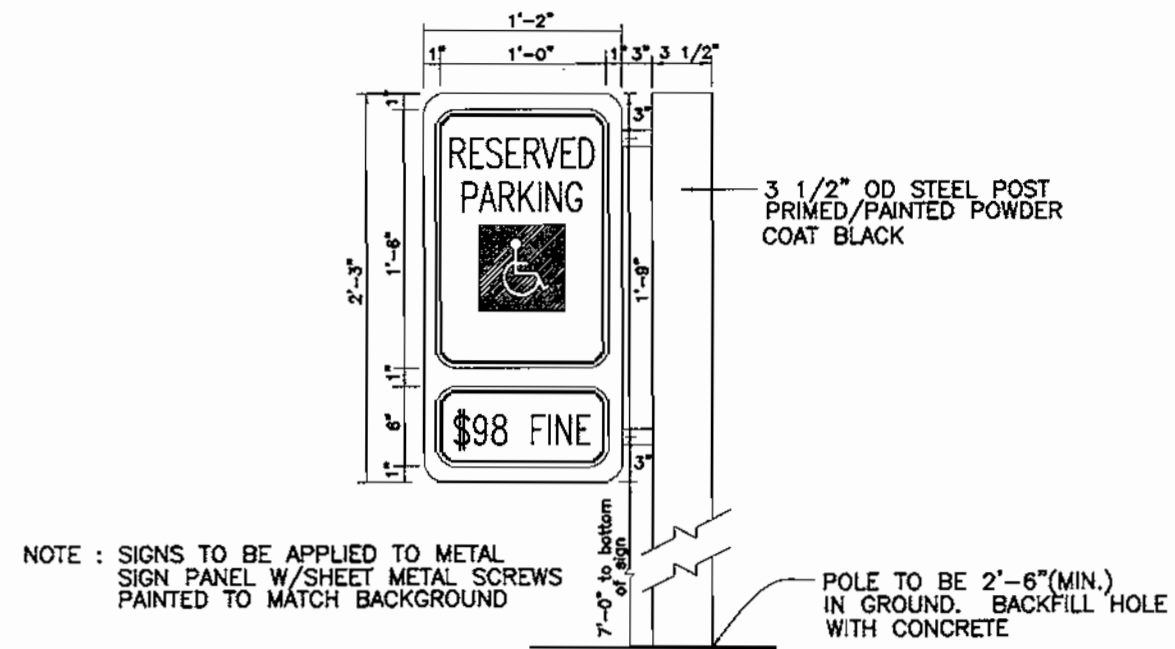
*Wash Taylor* 3/14/03  
DIRECTOR DATE



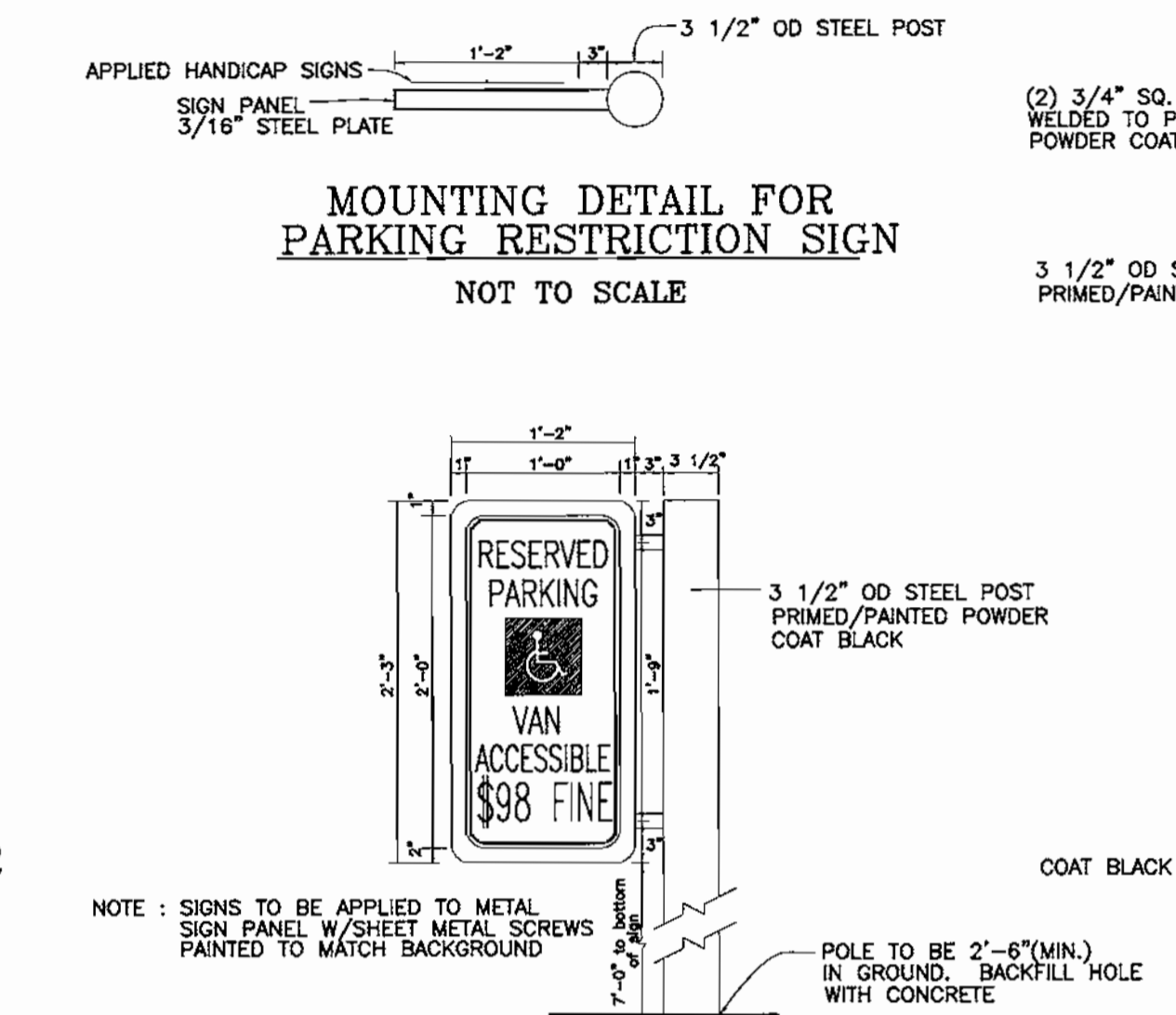
PARKING RESTRICTION SIGN FOR HANDICAPPED PARKING  
NOT TO SCALE



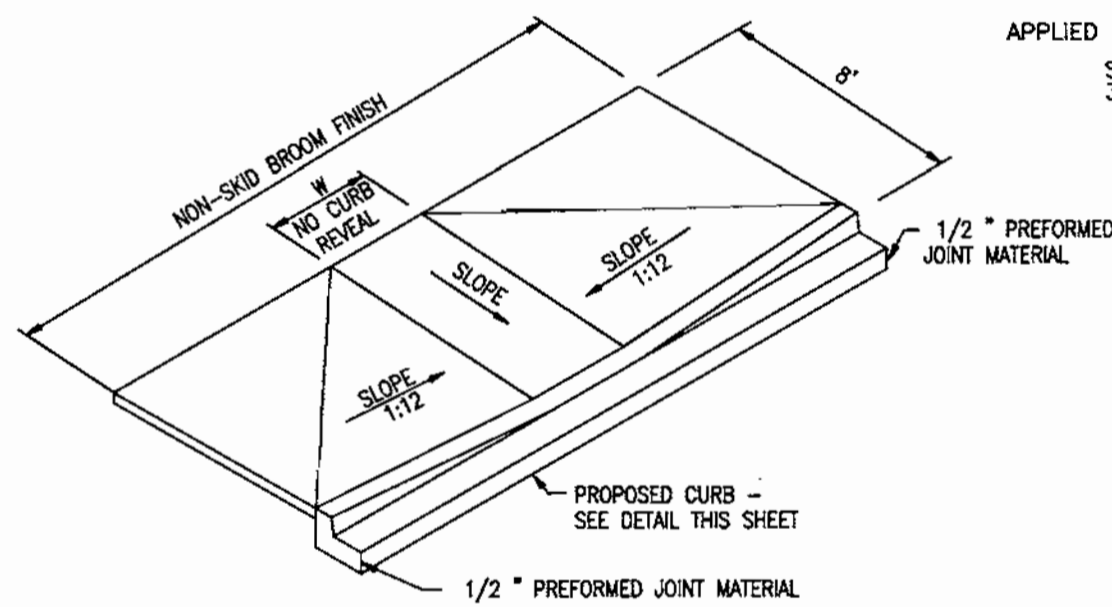
PARKING RESTRICTION SIGN FOR VAN HANDICAPPED PARKING  
NOT TO SCALE



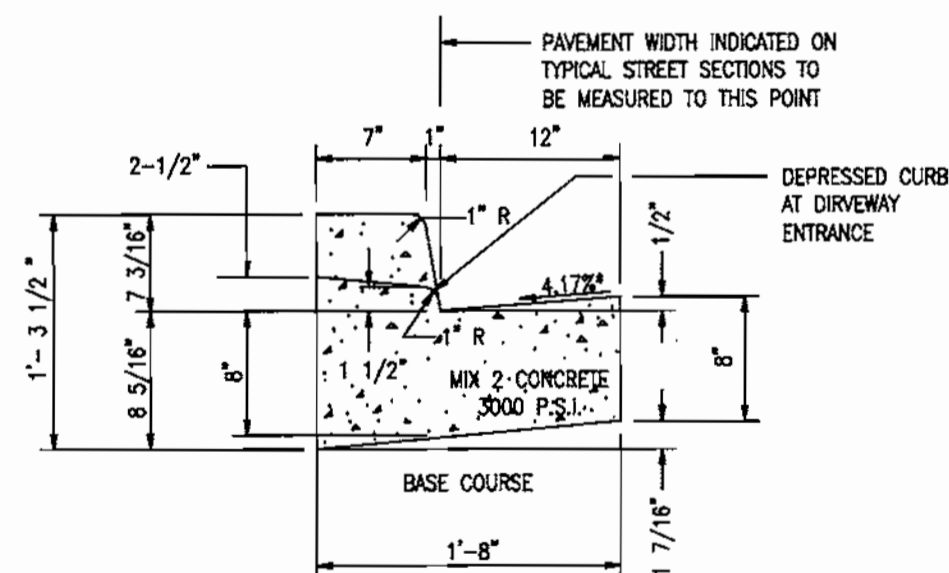
MOUNTING DETAIL FOR PARKING RESTRICTION SIGN  
NOT TO SCALE



MOUNTING DETAIL FOR HANDICAP PARKING SIGNS  
NOT TO SCALE



DETAIL - TYPE 2 SIDEWALK RAMP  
NOT TO SCALE

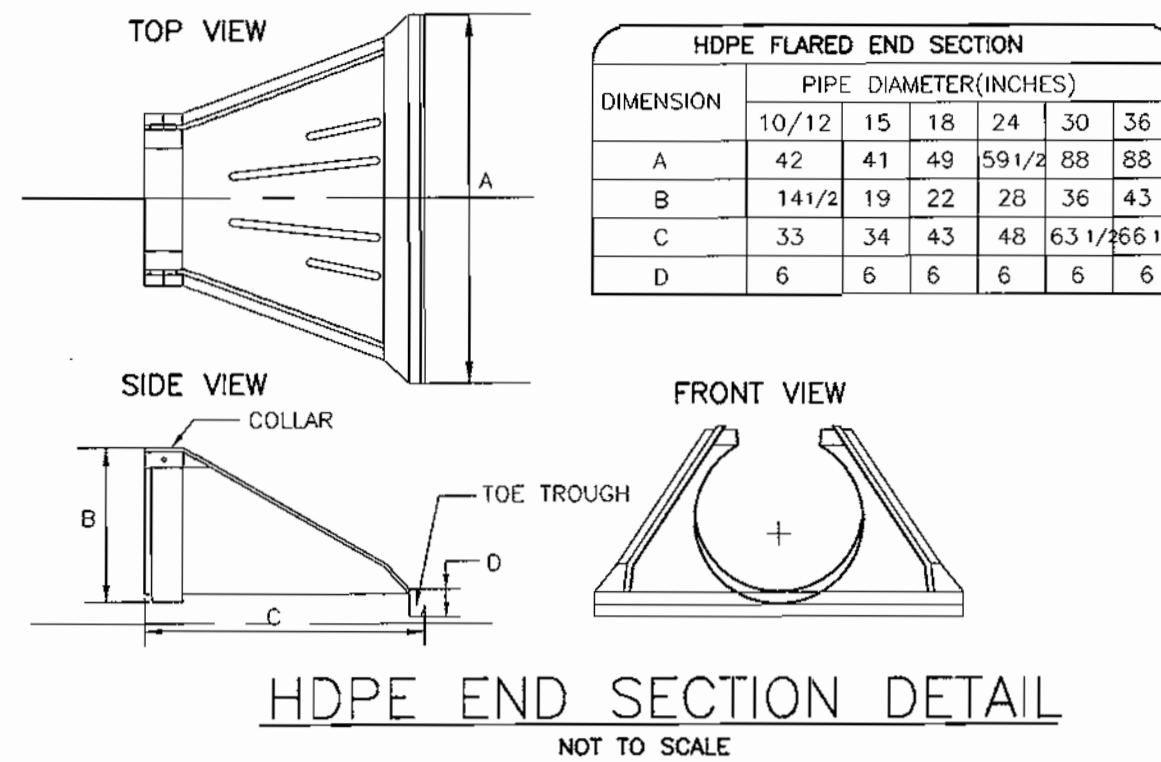


STANDARD COMBINATION (TYPE 'A') CURB AND GUTTER  
HOWARD COUNTY STD DETAIL R-3.01  
NOT TO SCALE

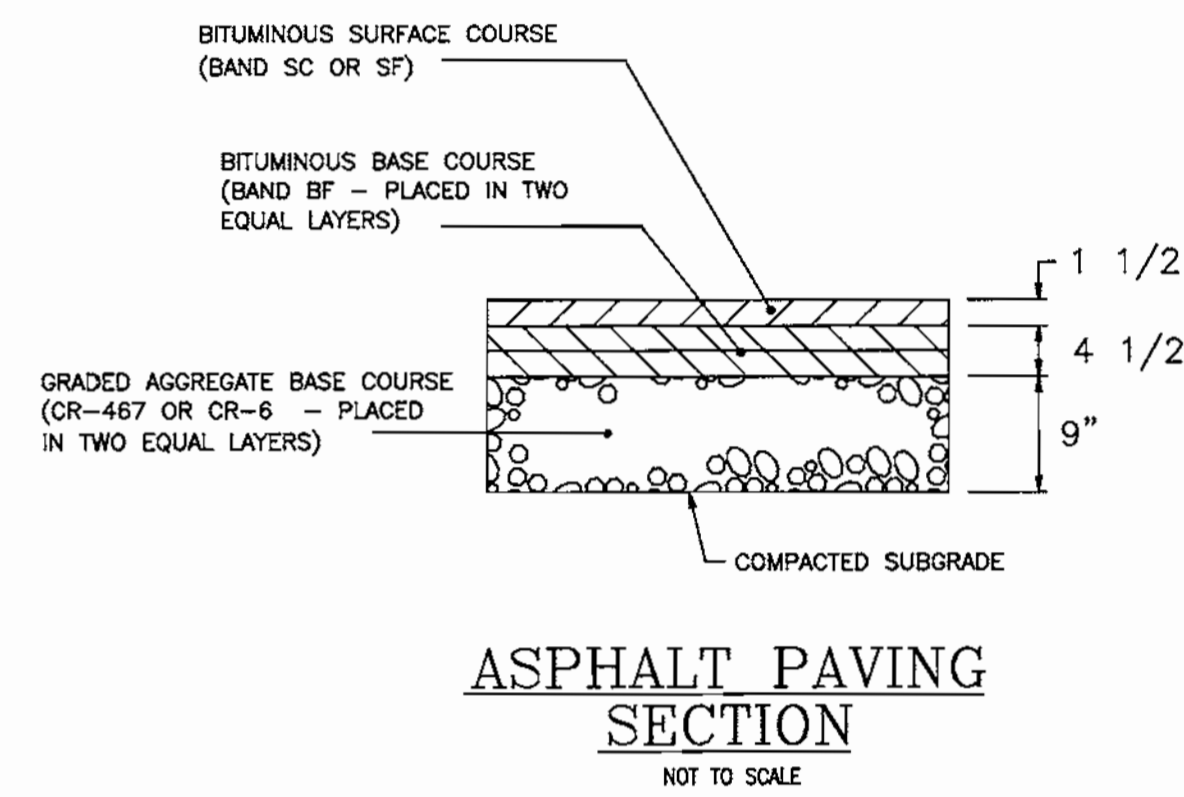
\*NOTE: DEPRESSED CURB IN HANDICAP ACCESSIBLE AREAS SHALL HAVE A 0.0417(1/24) RISE FROM PAVING TO TOP OF CURB

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

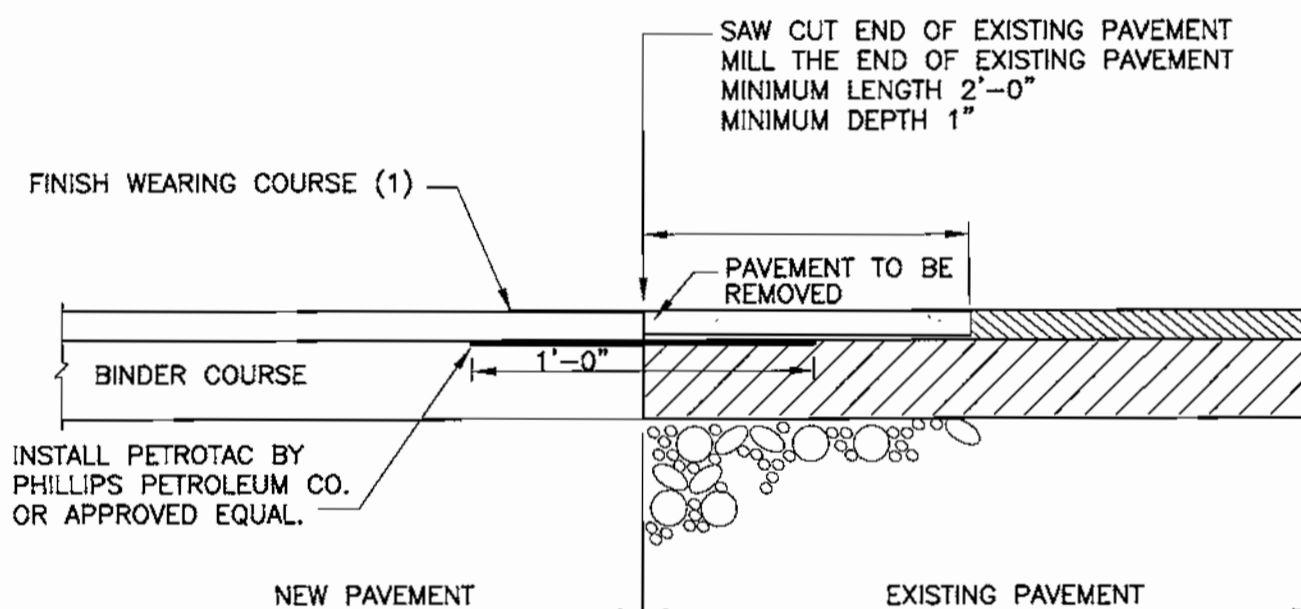
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
CHIEF, DIVISION OF LAND DEVELOPMENT  
DIRECTOR



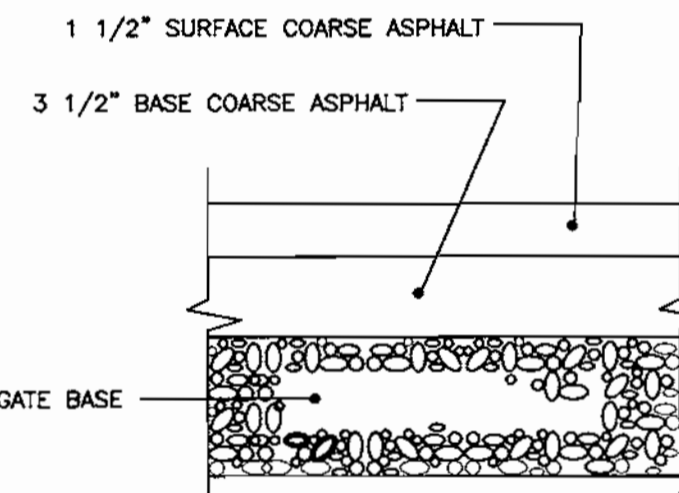
HDPE END SECTION DETAIL  
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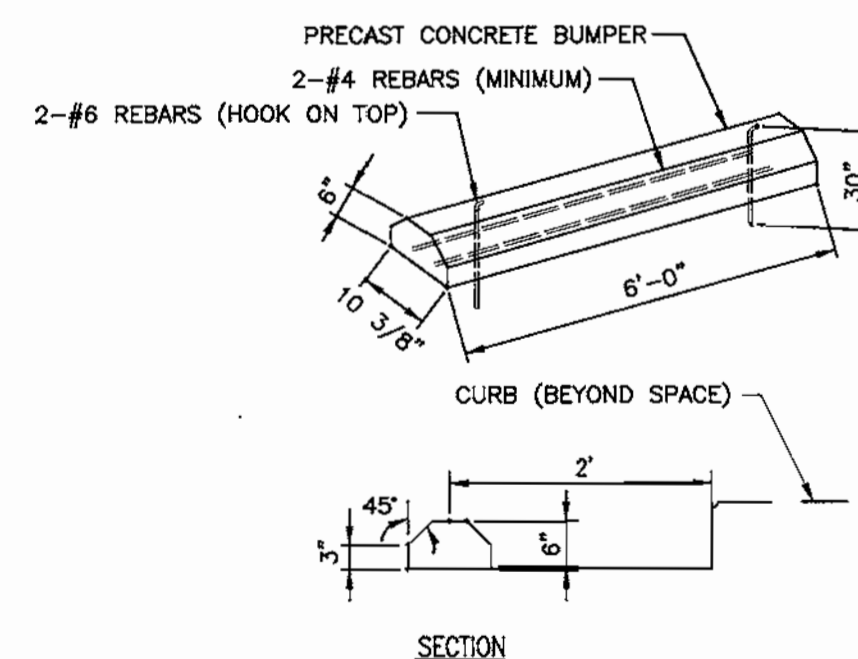
ASPHALT PAVING SECTION  
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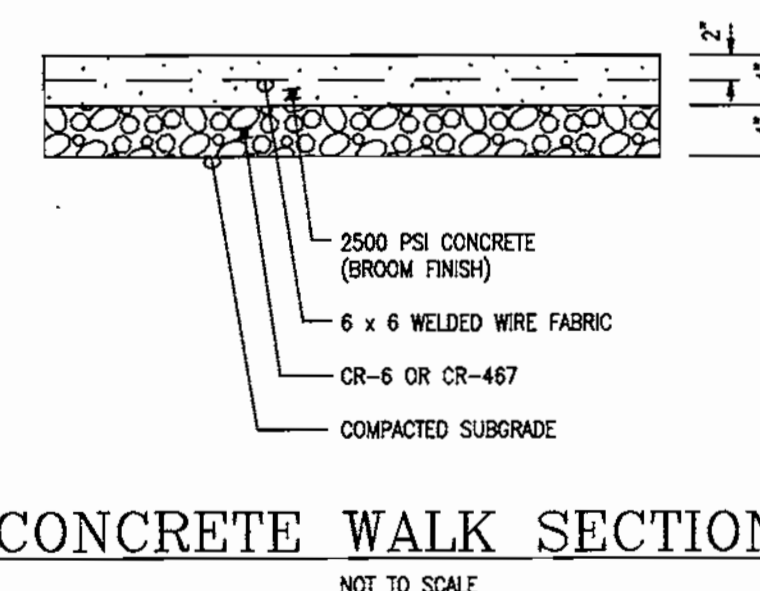
TYPICAL PAVEMENT JOINING DETAIL  
NOT TO SCALE



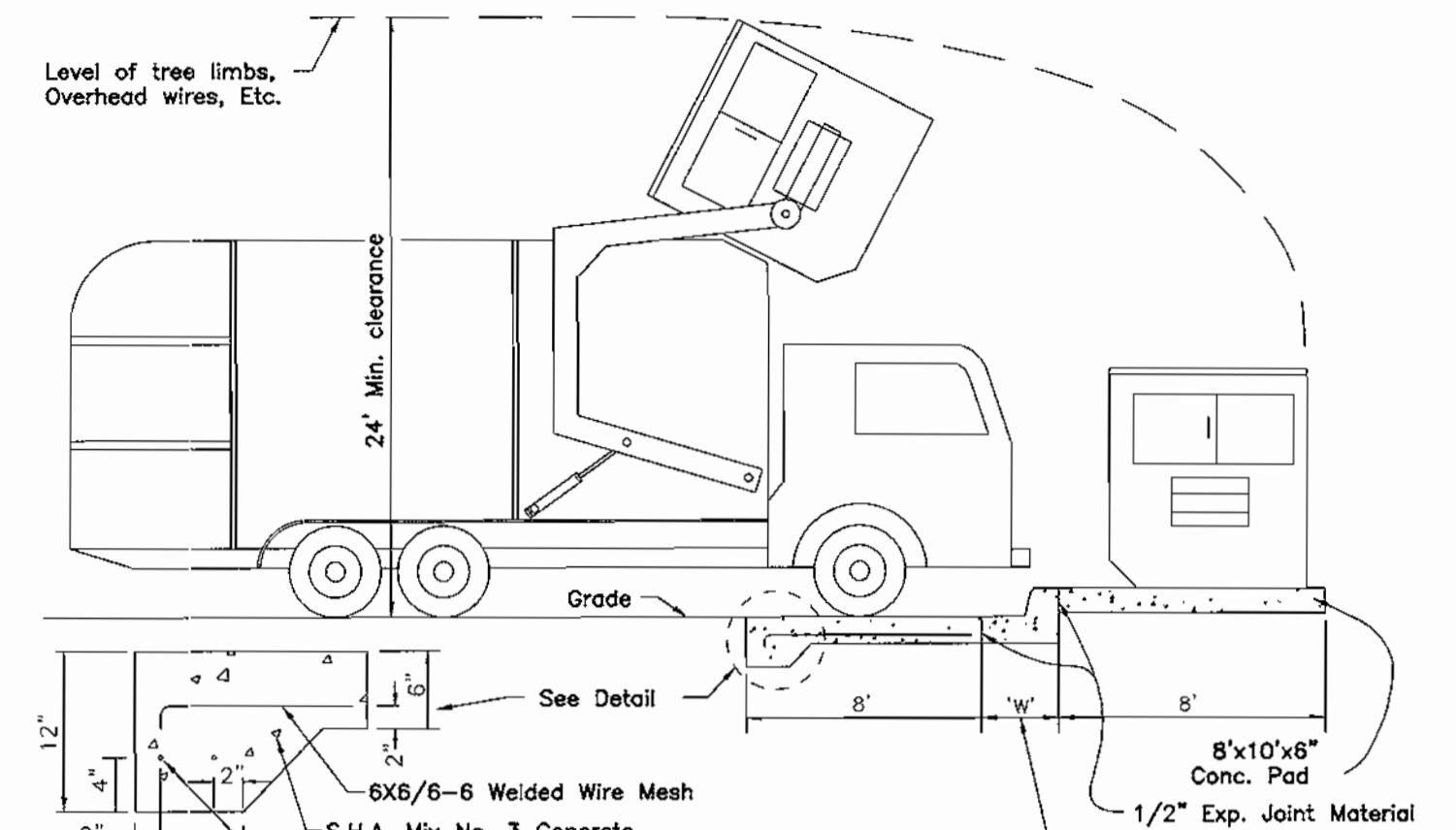
PAVEMENT SECTIONS DETAILS  
NOTE: PAVING SECTION ARE SUPPLIED BY GEOTECH ENGINEER (HERBST-BENSON ASSO.)  
NOT TO SCALE



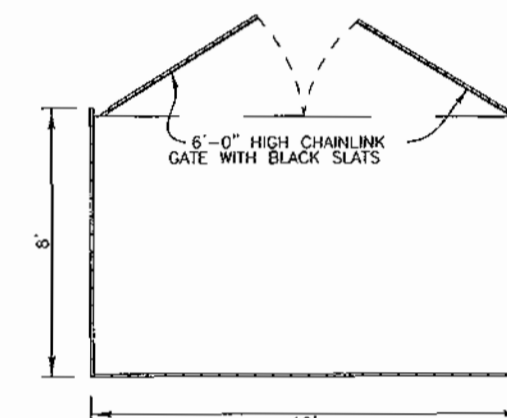
CONCRETE WHEEL STOP DETAIL  
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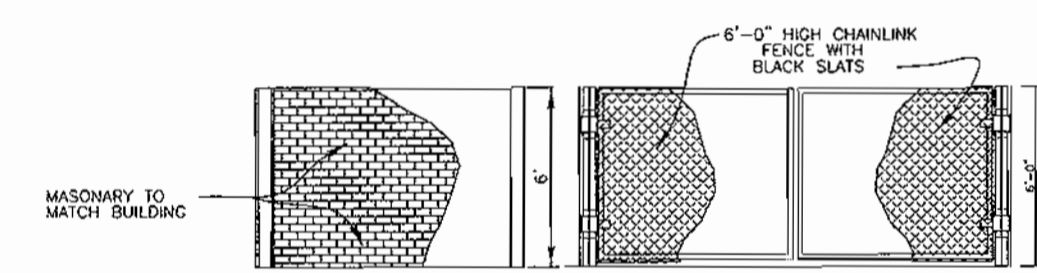
CONCRETE WALK SECTION  
NOT TO SCALE



SOLID WASTE SERVICE PAD  
HOWARD COUNTY STD. R 11.01  
NOT TO SCALE



TRASH ENCLOSURE PLAN  
NOT TO SCALE



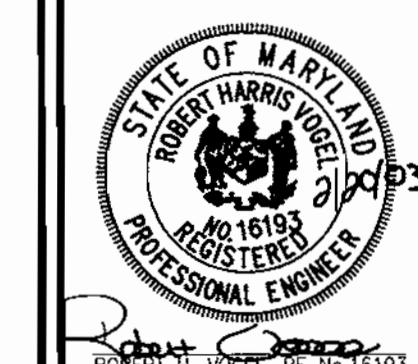
TRASH ENCLOSURE ELEVATION  
NOT TO SCALE

APPROVED PLANNING BOARD of HOWARD COUNTY  
DATE: July 10, 2002

NO.	REVISION	DATE

SITE DETAILS  
KINGS CONTRIVANCE INTERFAITH CAMPUS  
PARCELS F-3, F-4 AND F-5  
A RESUBDIVISION OF PARCEL F-1  
VILLAGE OF KINGS CONTRIVANCE  
TAX MAP 42, GRID 7  
6TH ELECTION DISTRICT  
PARCEL 482  
HOWARD COUNTY, MARYLAND

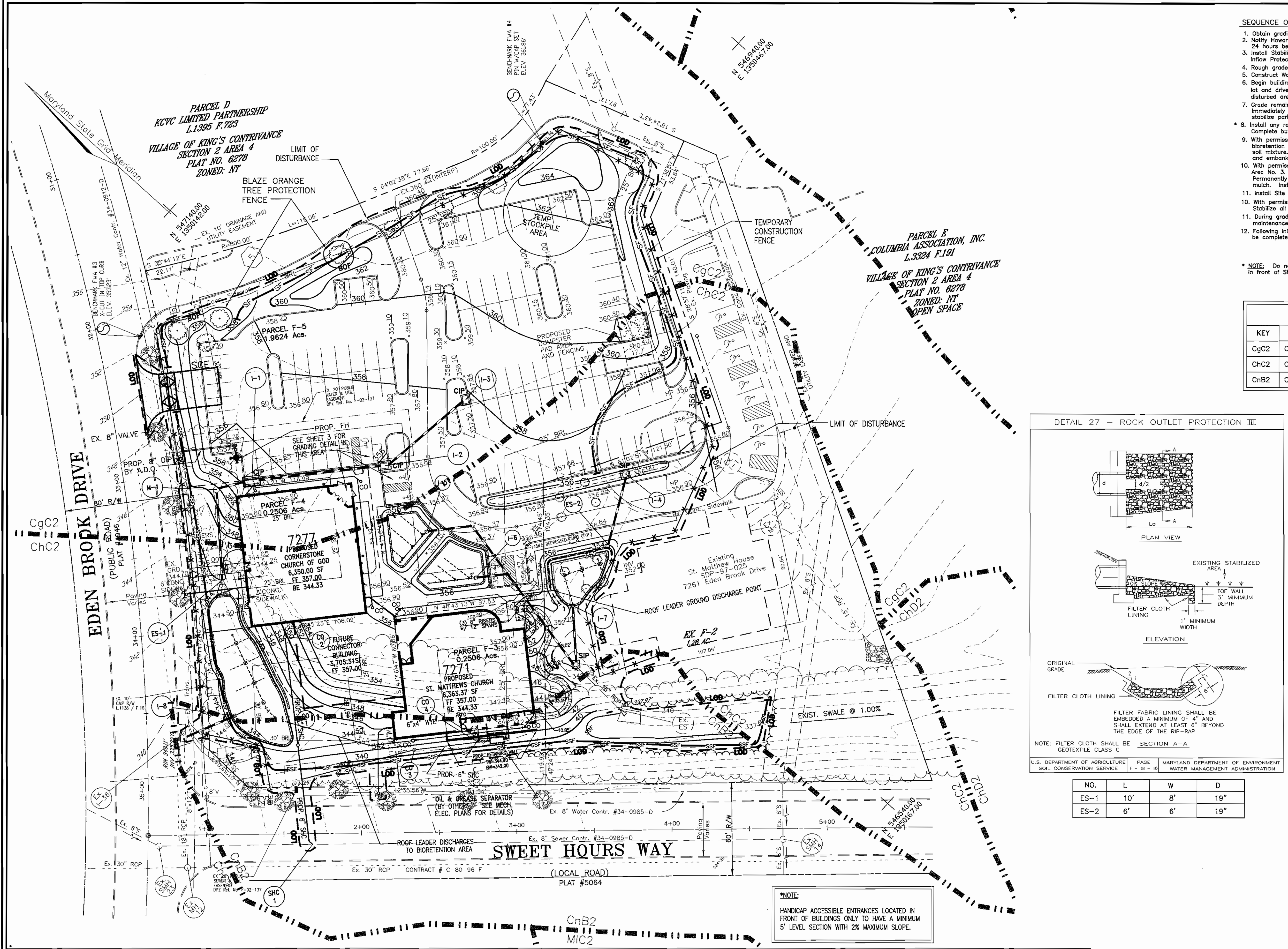
FREDERICK WARD ASSOCIATES, INC.  
ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DESIGN BY: CLS  
DRAWN BY: PS  
CHECKED BY: MMR  
DATE: FEB. 6, 2003  
SCALE: (AS SHOWN)  
W.O. NO.: 2017138

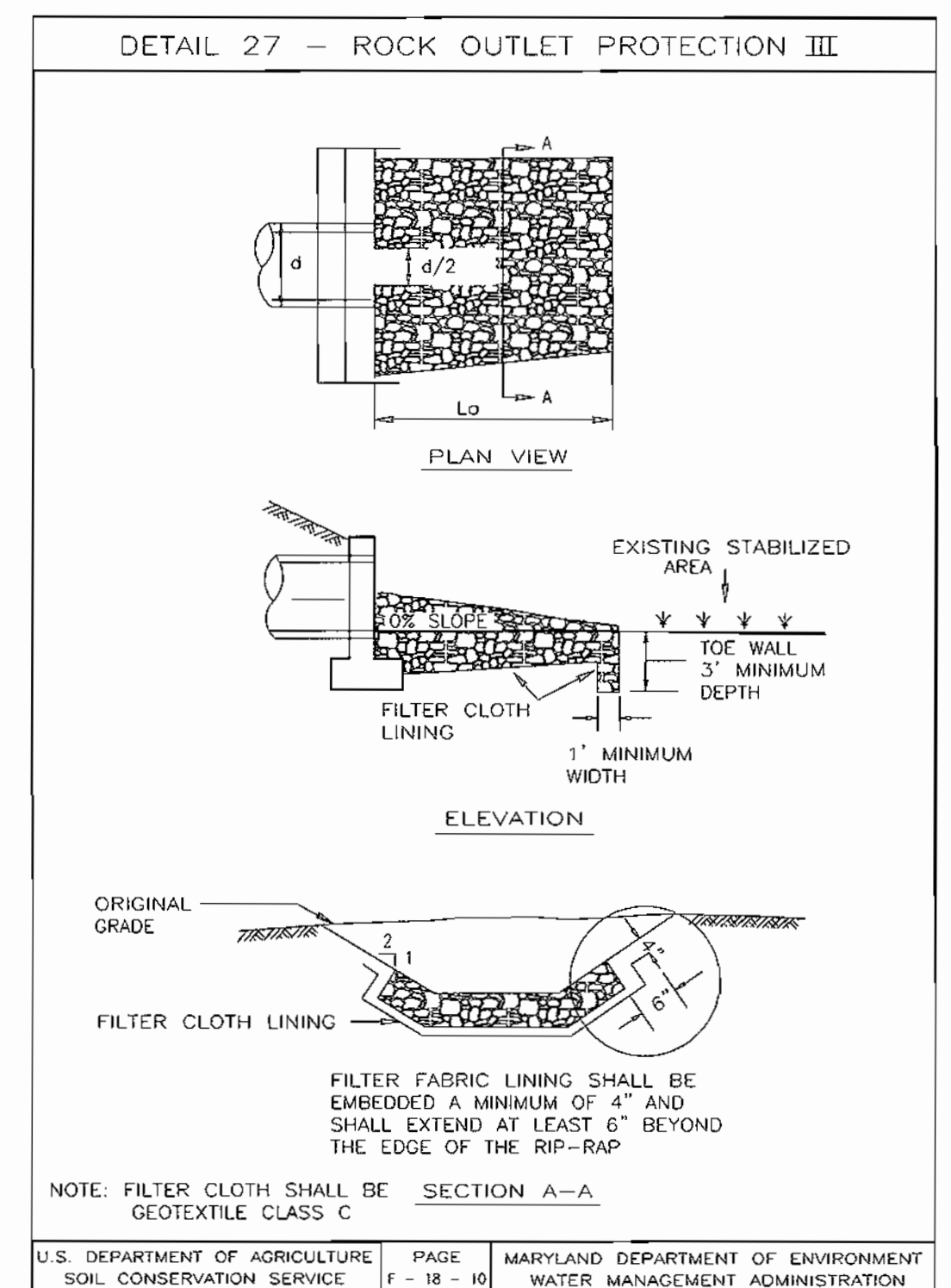
REF: F-02-137

6 SHEET OF 12



- SEQUENCE OF CONSTRUCTION**
1. Obtain grading permit.
  2. Notify Howard County Bureau of Inspections and Permits at (410)313-1880 at least 24 hours before starting any work.
  3. Install Stabilized Construction Entrance, Silt Fence, Super Silt Fence, Inflow Protection, Tree Protection and Temporary Construction Fencing. (5 days)
  4. Rough grade site and temporarily stabilize. (1 week)
  5. Construct Water, Sewer and Storm Drain, and install Inlet Protection. (2 weeks)
  6. Begin building construction. Remove existing paving as required to grade in parking lot and driveway near cul-de-sac. Fine grade driveway and immediately stabilize any disturbed area with gravel base course and temporary seed and mulch. (2 weeks)
  7. Grade remainder of site and install curb and gutter, except flush curb by bioretention areas. Immediately stabilize parking lot and driveway with gravel base course. Permanently stabilize parking islands with seed and mulch. (1 week)
  8. Install any remaining parking lot curb and gutter, pavement, curb stops and sidewalks. Complete building construction and permanently stabilize any disturbed areas. (1 1/2 weeks)
  9. With permission from the Inspector, Construct bioretention area. Install underdrain piping, inlet, sand, gravel and planting soil mixture. Install sidewalk between bioretention areas and permanently stabilize perimeter and embankments with seed and mulch. Install plant materials and apply mulch. (2 weeks)
  10. With permission from the Inspector, Construct Bioretention Area No. 3. Install underdrain piping, inlet, sand, gravel, and planting soil mixture. Permanently stabilize embankment and surrounding disturbed areas with permanent seed and mulch. Install plant materials and apply mulch to beds. (1 1/2 weeks)
  11. Install Site Landscaping. (4 weeks)
  12. With permission of the Inspector, remove all Sediment Controls from the site. Stabilize all disturbed areas immediately. (1 week)
  13. During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the Sediment Control measures on this plan.
  14. Following initial soil disturbances or redistribution permanent or temporary stabilization shall be completed within:
    - A. 7 calendar days for all perimeter Sediment Control Structures, Dikes, Swales and all slopes greater than 3:1.
    - B. 14 calendar days for all other disturbed areas.
- \* NOTE: Do not install flush curb surrounding bioretention areas or handicap ramp and sidewalk in front of St. Matthew's Church until Bioretention Area is constructed during step No. 9.

SOILS CHART		
KEY	DESCRIPTION	TYPE
CgC2	CHESTER SILT LOAM, 8-15%	B
ChC2	CHESTER SILT LOAM, 5-10%	B
CnB2	CHESTER SILT LOAM, 3-8%	B



NO.	L	W	D
ES-1	10'	8'	19"
ES-2	6'	6'	19"

NO.	REVISION	DATE

**GRADING AND EROSION & SEDIMENT CONTROL PLAN**

**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS: 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS: Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS: Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: CLS  
 DRAWN BY: GRL  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.O. NO.: 2017138

REF: F-02-137

7 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Chris Dammann* 3/11/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Chris Hamrick* 3/11/03  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Mark McLaughlin* 3/11/03  
 DIRECTOR DATE

**ENGINEERS CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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.

*Robert H. Vogel* 2/10/03  
 SIGNATURE OF ENGINEER DATE  
 ROBERT H. VOGEL

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Malcolm K. Ulan* President KVC 2/7/03  
 SIGNATURE OF DEVELOPER DATE

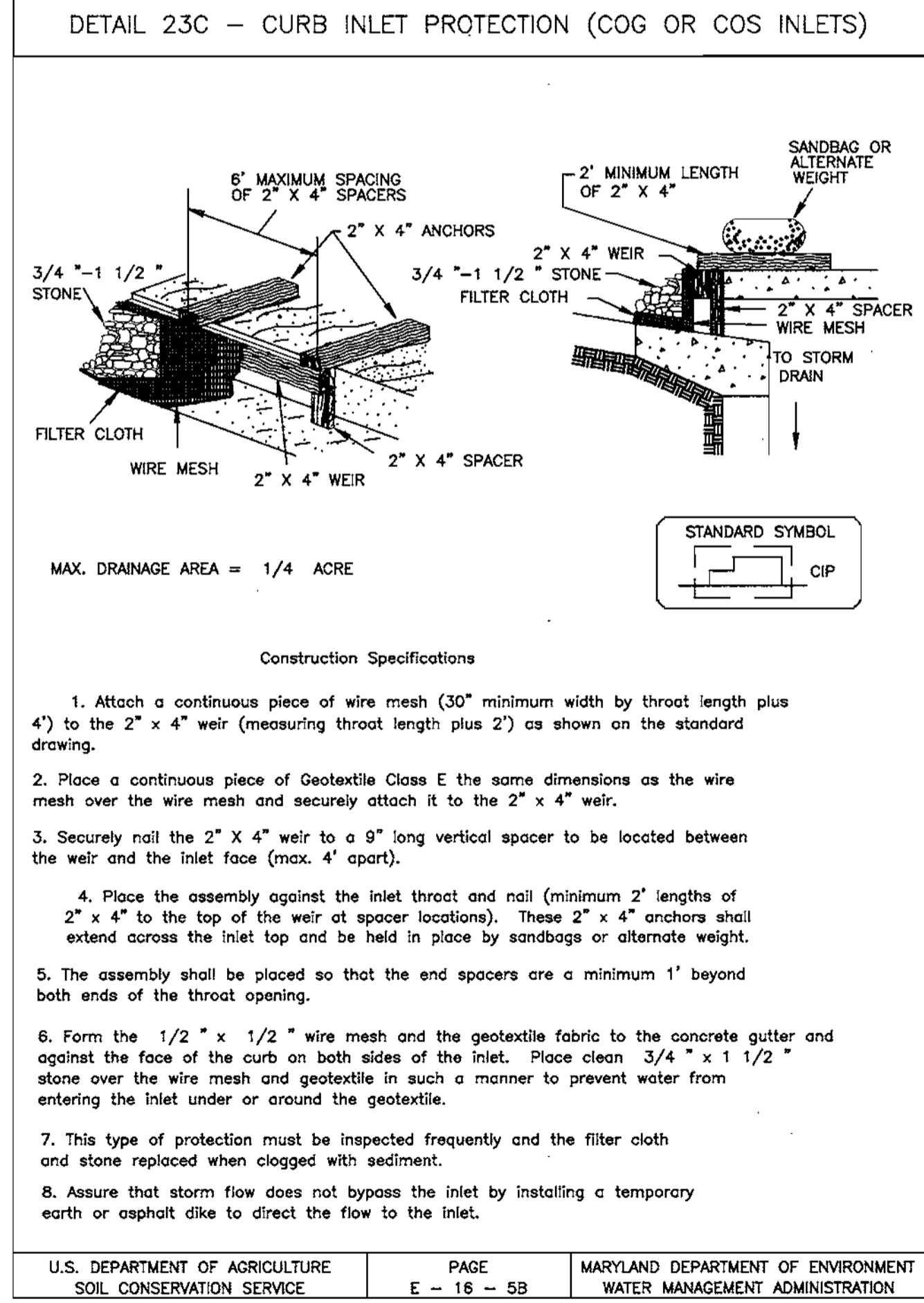
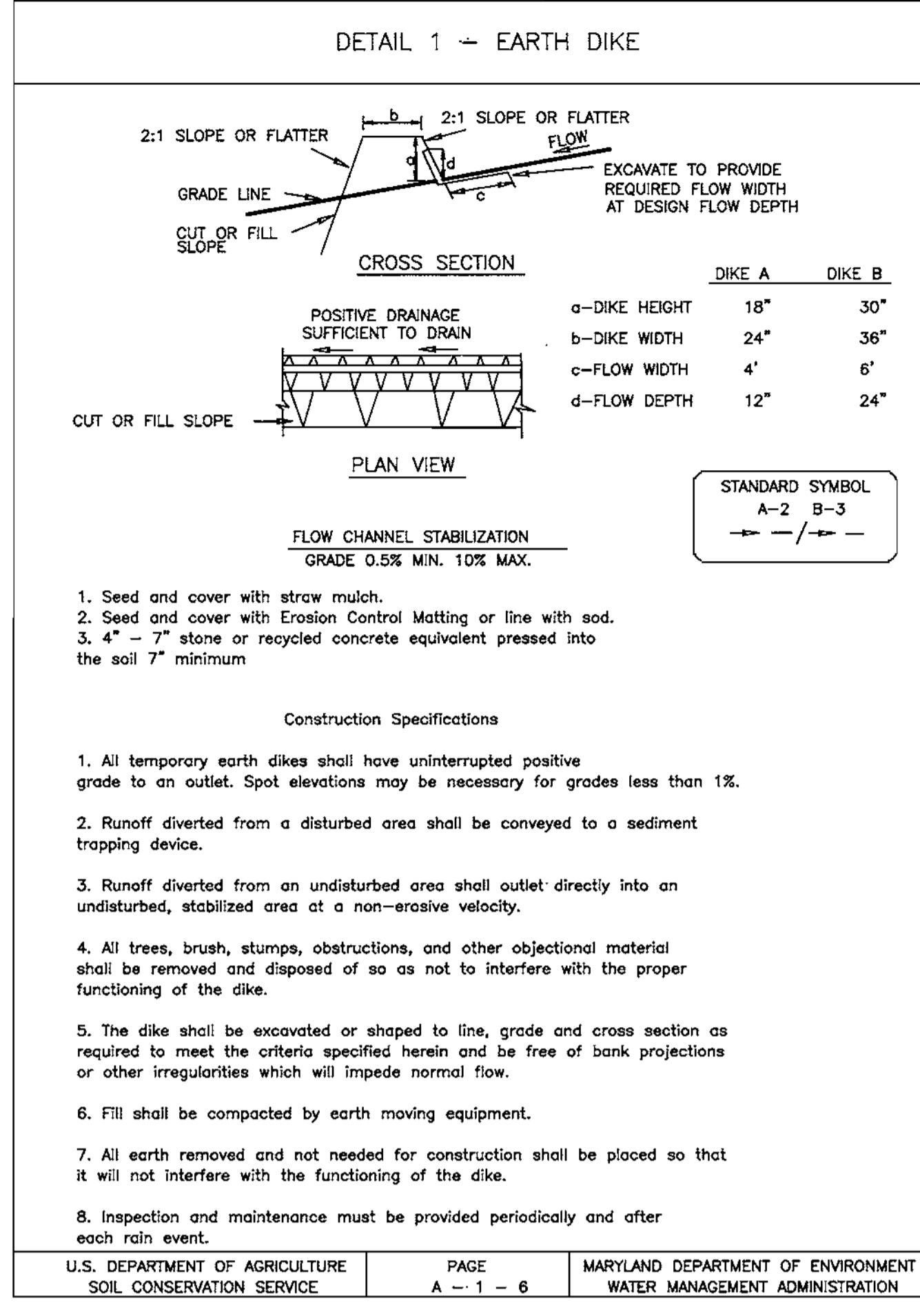
REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

*Jim Myers* 3/10/03  
 U.S. NATURAL RESOURCES CONSERVATION SERVICE DATE

*John R. Robertson* 3/10/03  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 HOWARD SCD DATE

**APPROVED PLANNING BOARD OF HOWARD COUNTY**

DATE: July 10, 2002

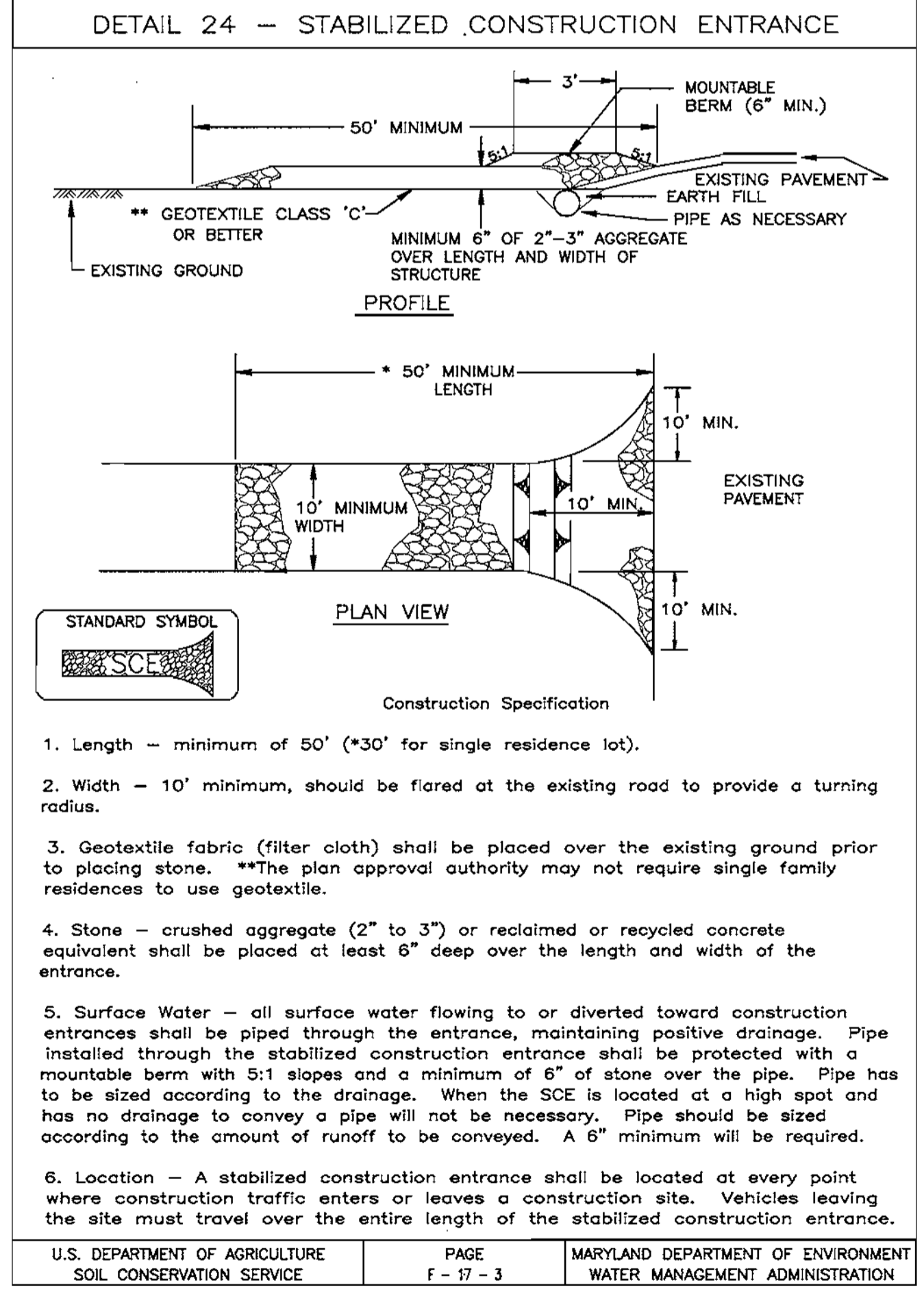
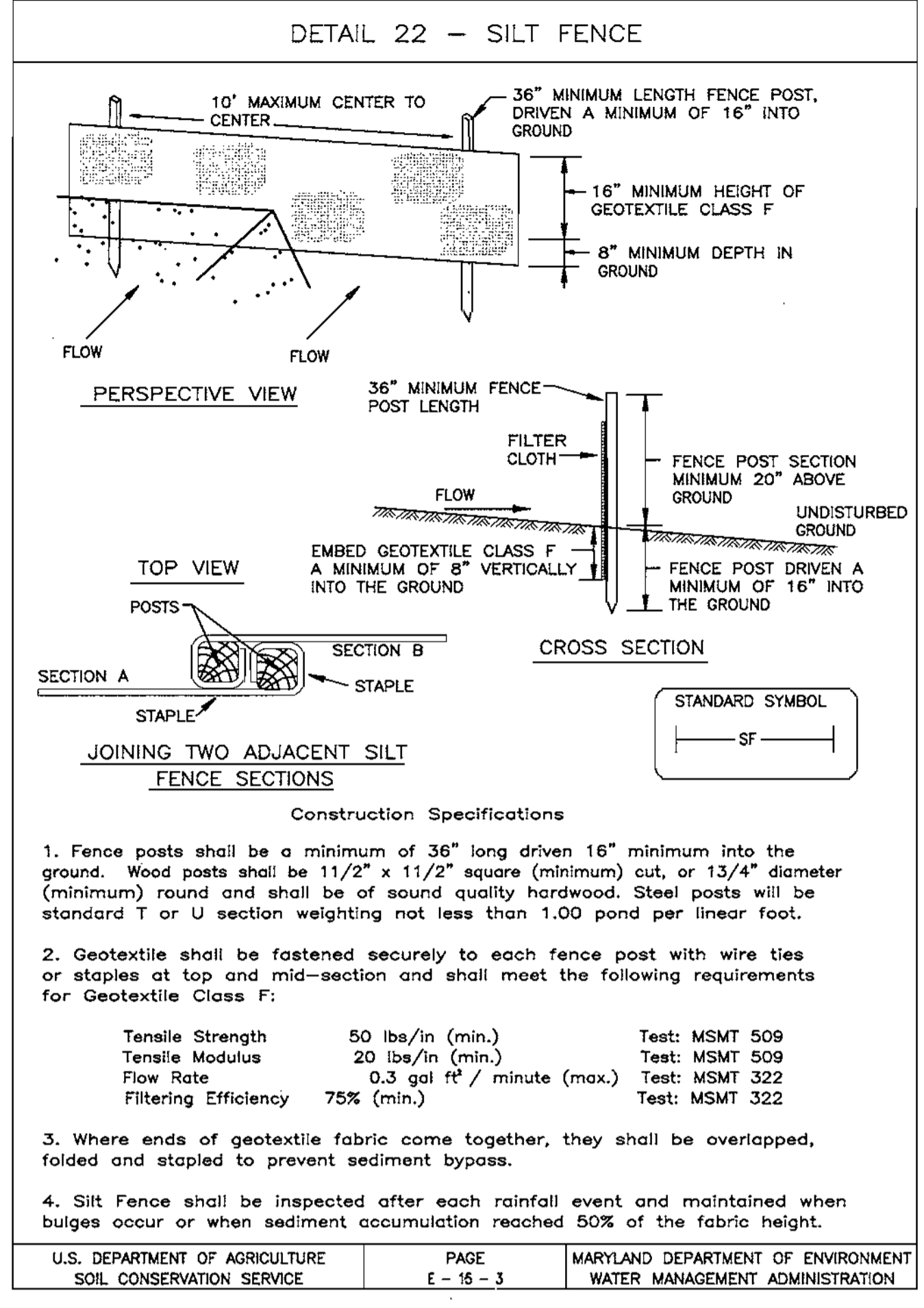


APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Chief, Development Engineering Division* 3/11/03  
*Chief, Division of Land Development* 3/11/03  
 DIRECTOR 3/11/03

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

*John K. Reuter* 3/11/03  
 HOWARD SCD



ENGINEERS CERTIFICATE

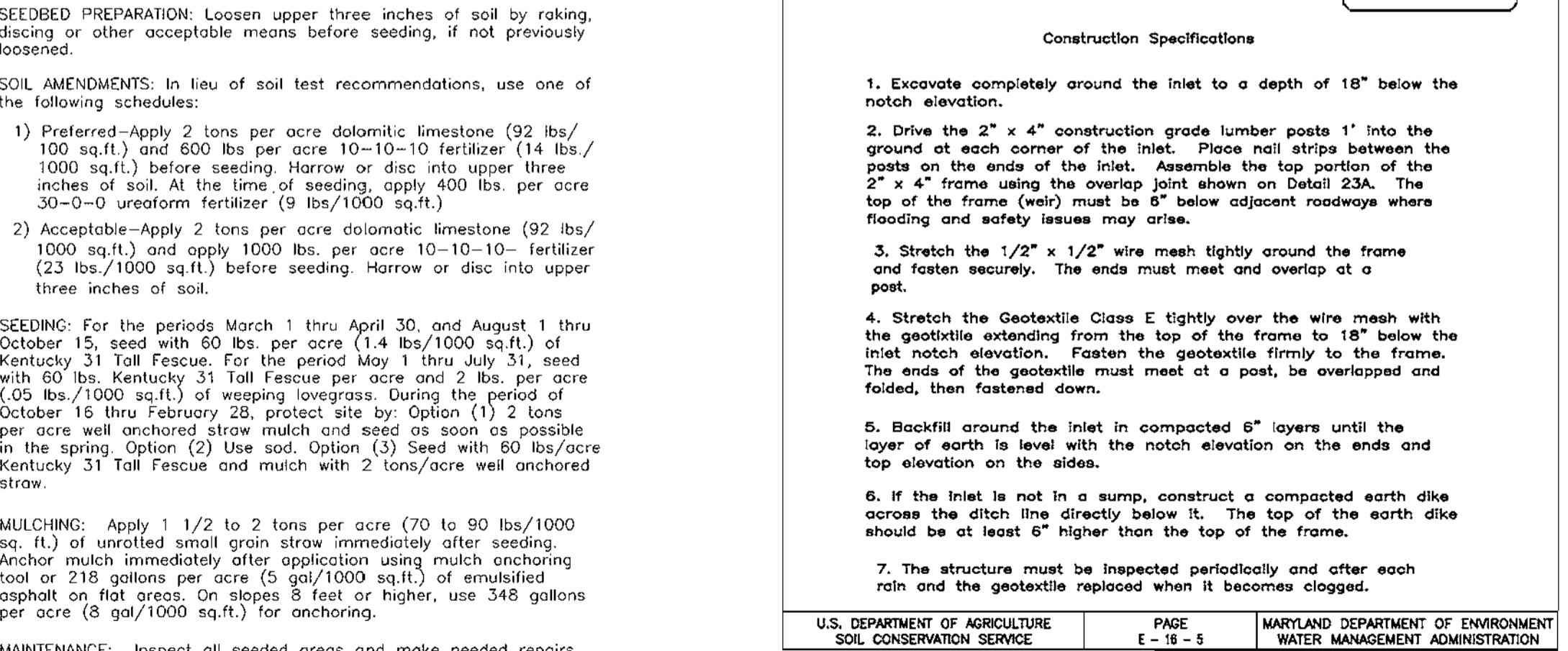
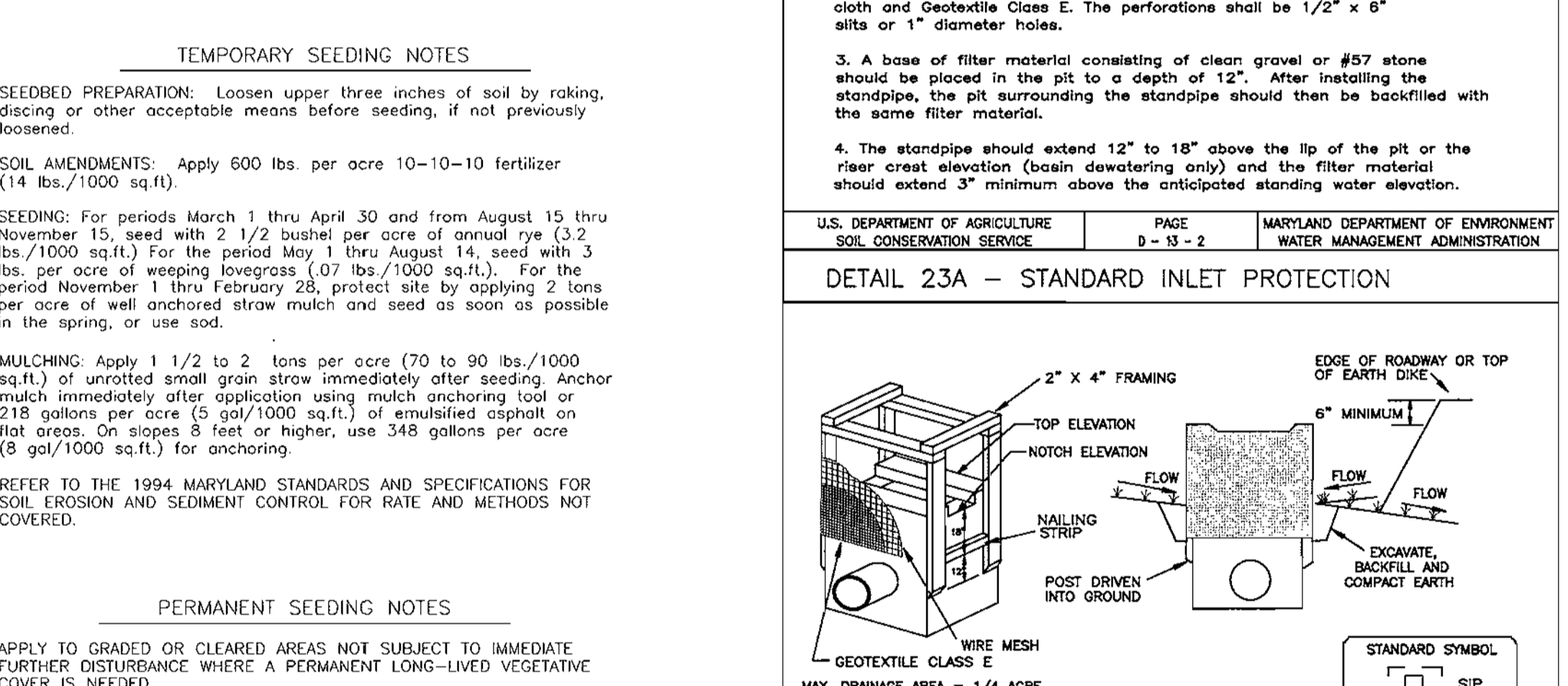
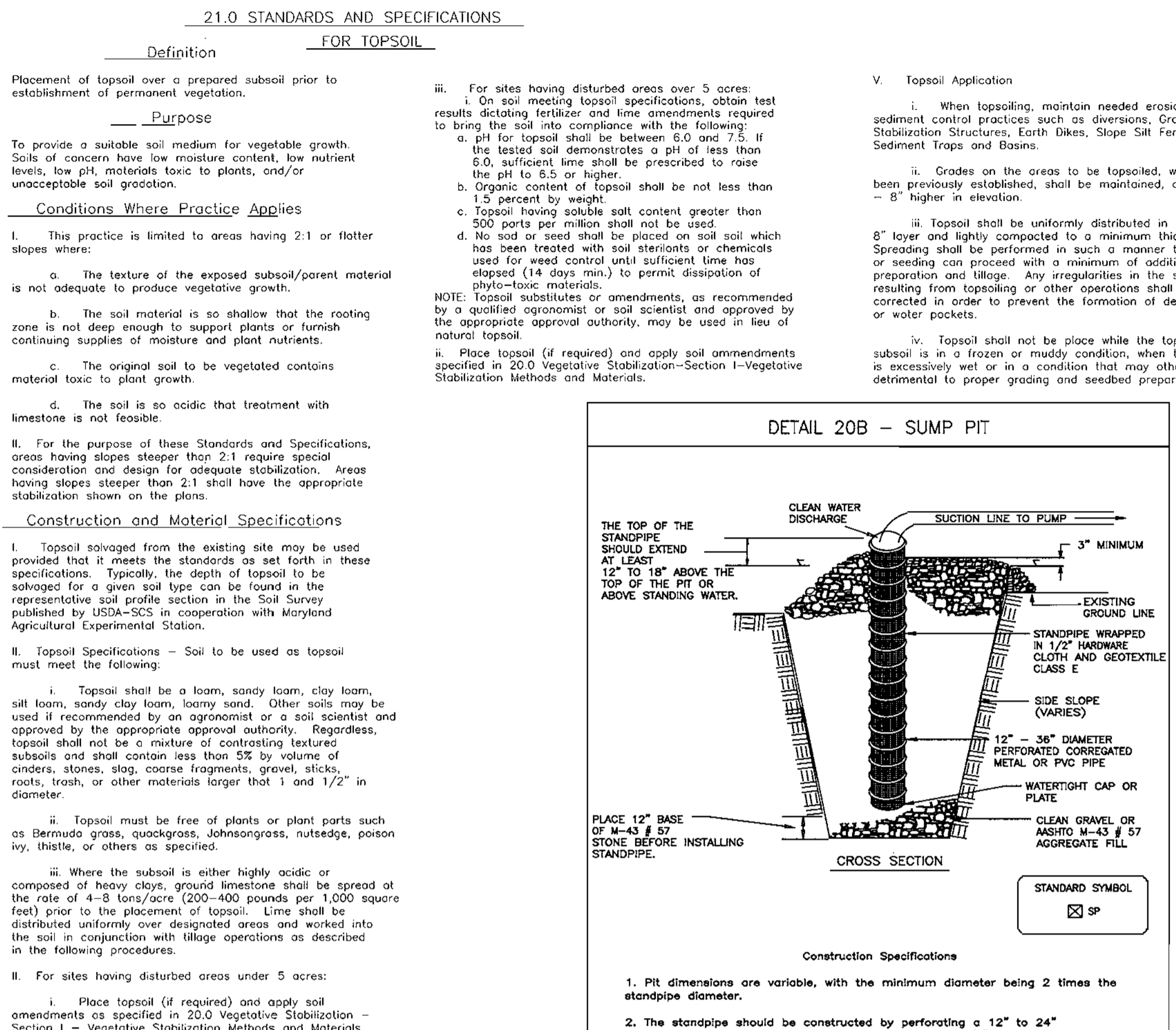
I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Robert H. Vogel* 2/7/03  
 SIGNATURE OF ENGINEER  
 ROBERT H. VOGEL

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Malcolm H. Papp, PWS, PE, KCIC* 2/6/03  
 SIGNATURE OF DEVELOPER  
 DATE



APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE July 10, 2002

DESIGNER'S CERTIFICATE

DESIGN BY: CLS  
 DRAWN BY: CLS  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.O. NO.: 2017138

REF: F-02-137

8 SHEET OF 12

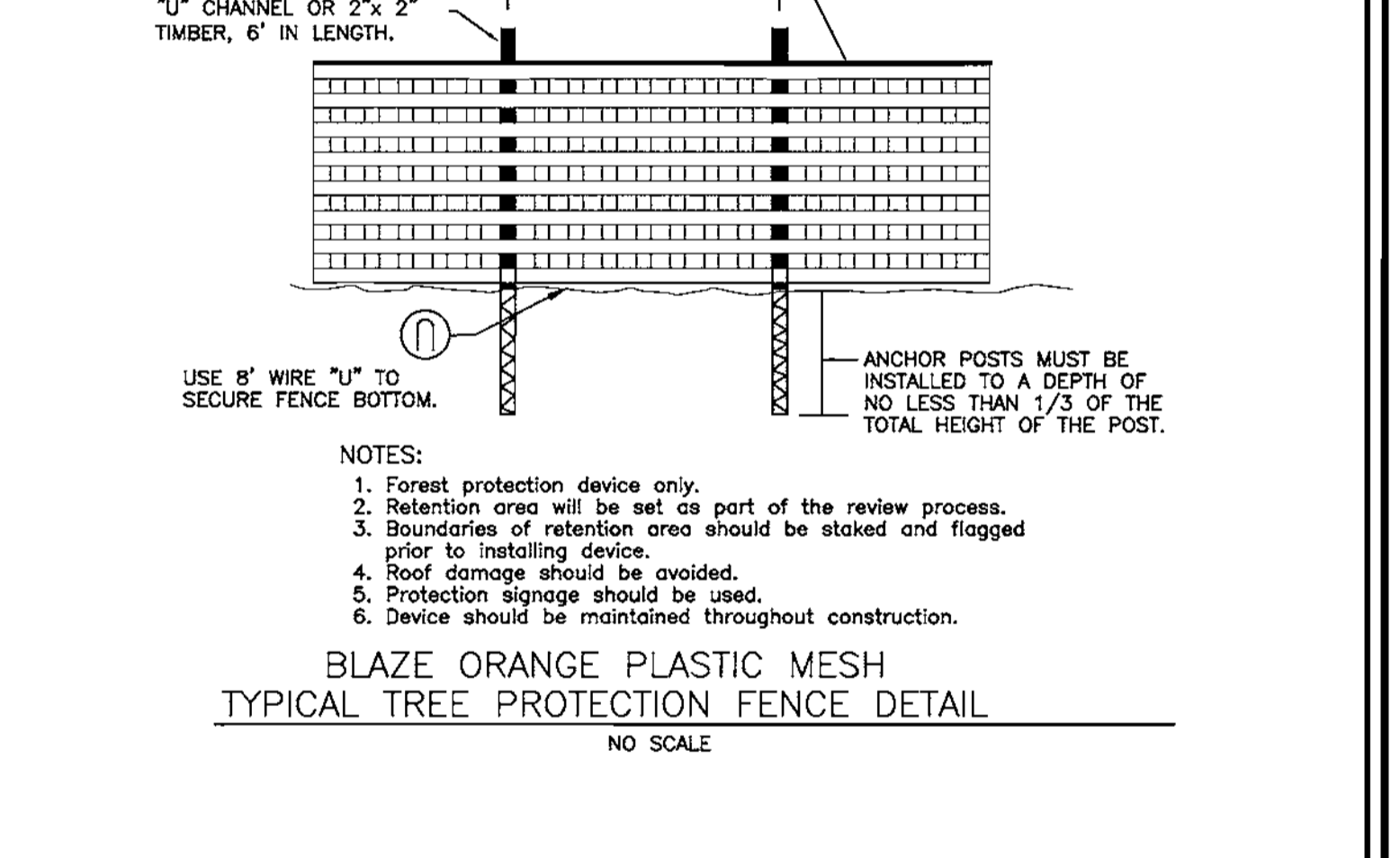
### SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
2. All erosion 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 and revisions thereto.
3. Following initial soil disturbance or redistribution, 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 for all other disturbed or graded areas on the project site.
4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 7, HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5. 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 seeding, sod, temporary seeding, and mulching (Sec. C). Temporary stabilization with mulch alone shall be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6. 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.
7. Site Analysis:
 

Total Area (F-3, F-4 AND F-5)	2,484 Acres
Area Disturbed	2,565 Acres
Area to be roofed or paved	1,444 Acres
Area to be vegetatively stabilized	1,121 Acres
Total Cut	1,004 CY
Total Fill	2,311 CY

 Offsite waste/borrow area location
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
10. 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 earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.

\* To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved on active grading permit



### EROSION & SEDIMENT CONTROL NOTES AND DETAILS

#### KINGS CONTRIVANCE INTERFAITH CAMPUS

PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

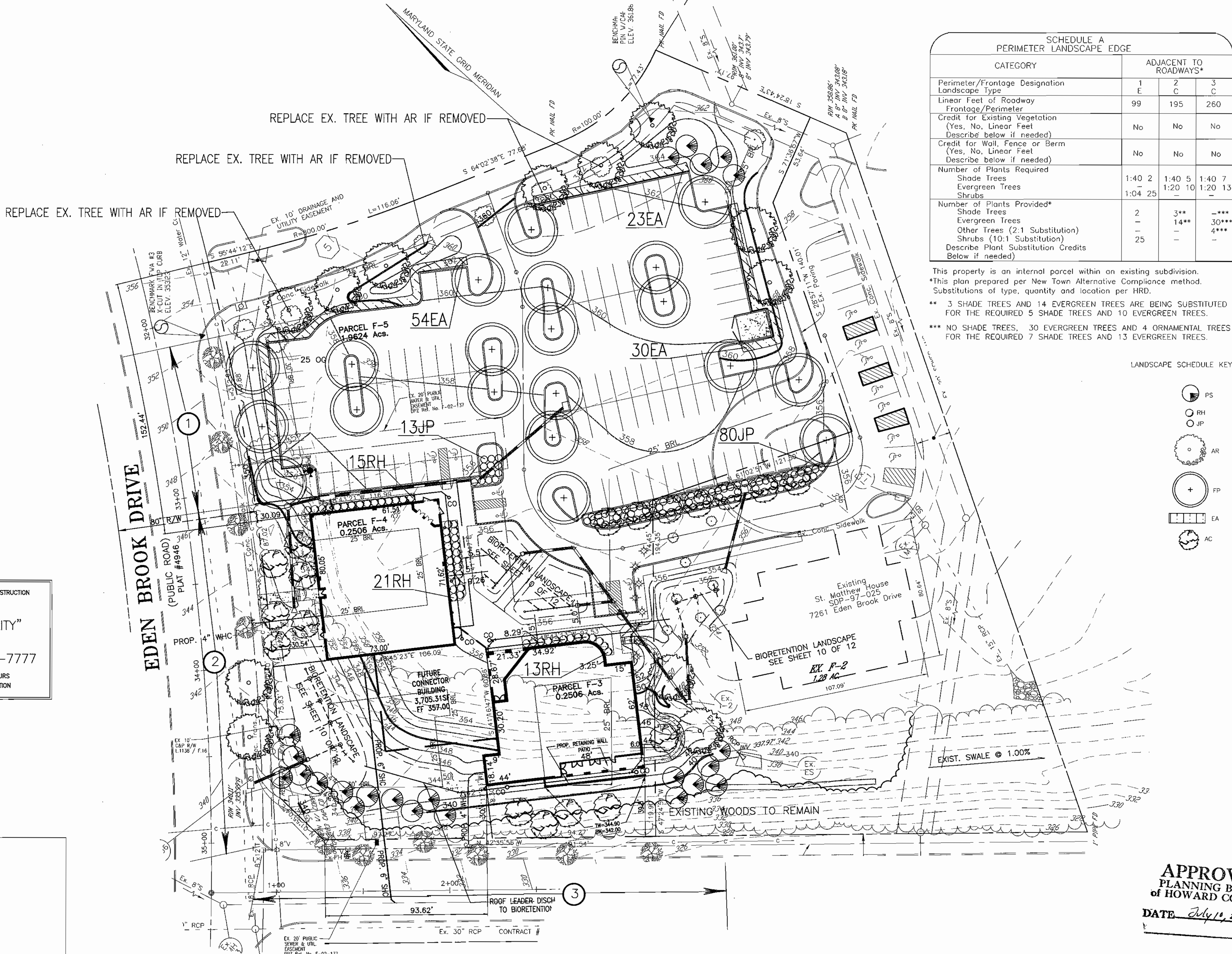
**FREDERICK WARD ASSOCIATES, INC.**  
 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 Phone: 410-290-9550 Fax: 410-720-6226  
 Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: CLS  
 DRAWN BY: CLS  
 CHECKED BY: MMR  
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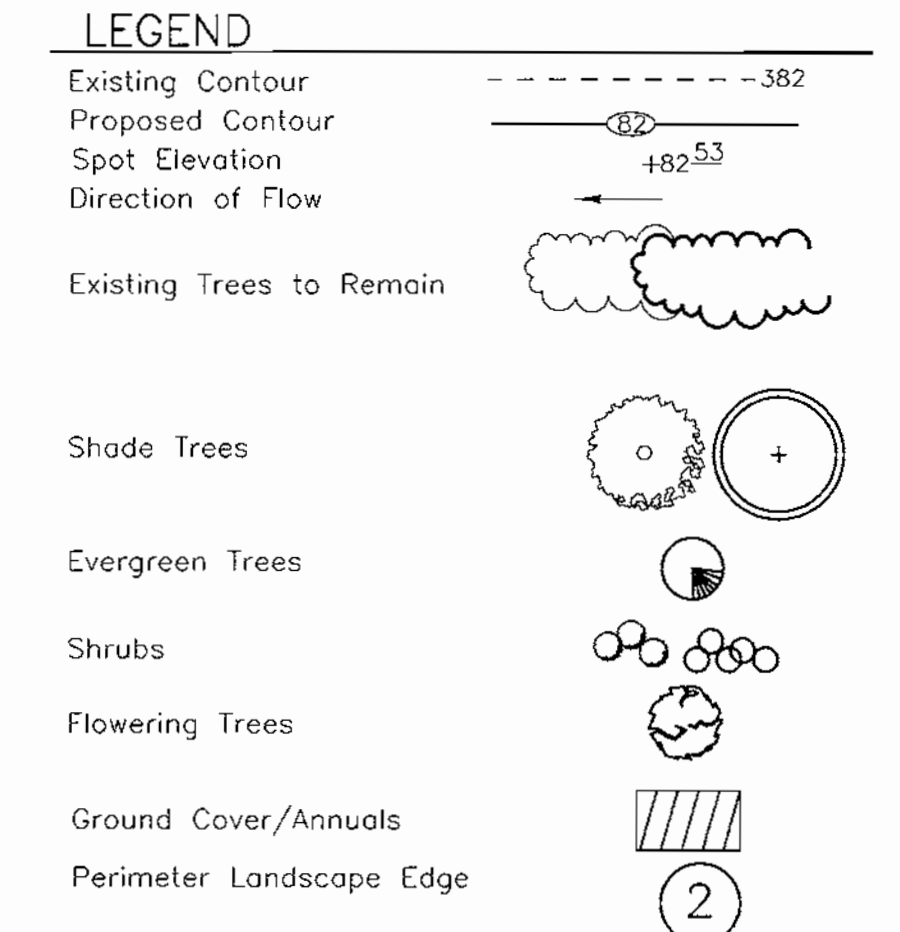




**SCHEDULE A PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO ROADWAYS*		
	1	2	3
Perimeter/Frontage Designation Landscape Type	E	C	C
Linear Feet of Roadway Frontage/Perimeter	99	195	260
Credit for Existing Vegetation (Yes, No, Linear Feet Describe below if needed)	No	No	No
Credit for Wall, Fence or Berm (Yes, No, Linear Feet Describe below if needed)	No	No	No
Number of Plants Required	1:40	2	1:40
Shade Trees	2	5	7
Evergreen Trees	1:04	25	10
Shrubs	1:20	10	1:20
Shrubs	13		
Number of Plants Provided*			
Shade Trees	2	3**	—***
Evergreen Trees	—	14**	30***
Other Trees (2:1 Substitution)	—	—	—
Shrubs (10:1 Substitution)	25	—	—
Describe Plant Substitution Credits Below if needed)			

This property is an internal parcel within an existing subdivision.  
 \*This plan prepared per New Town Alternative Compliance method. Substitutions of type, quantity and location per HRD.  
 \*\* 3 SHADE TREES AND 14 EVERGREEN TREES ARE BEING SUBSTITUTED FOR THE REQUIRED 5 SHADE TREES AND 10 EVERGREEN TREES.  
 \*\*\* NO SHADE TREES, 30 EVERGREEN TREES AND 4 ORNAMENTAL TREES ARE BEING SUBSTITUTED FOR THE REQUIRED 7 SHADE TREES AND 13 EVERGREEN TREES.



**LANDSCAPE SCHEDULE**

KEY	QUAN.	BOTANICAL NAME	SIZE	REM.
AC	11	Amelanchier canadensis 'Robin Hill'	2-2 1/2" Cal.	B & B or Cont.
AR	107	Robin Hill Serviceberry		
EA	10	Acer rubrum 'October Glory'	3-3 1/2" Cal.	B & B
FP	20	October Glory Red Maple		
JP	93	Euonymus alatus 'Compacta'	24-36" Ht.	B & B or Cont.
PS	23	Dwarf Burning Bush		
RH	49	Fraxinus p. 'Palmore'	3-3 1/2" Cal.	B & B
		Palmore Green Ash		
		Juniperus parsonii	24-36" Spd.	B & B
		Parsons Juniper		
		Pinus strobus	6-8" Ht.	B & B
		White Pine		
		Rhododendron by 'Glacier' or 'White Rosebud'	18"-24" Ht.	B & B or Cont.
		Glacier Evergreen		
		White-flowered Azalea		

- LANDSCAPE SCHEDULE NOTES**
- ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAS SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH HRD PLANTING SPECIFICATIONS.
  - MAINTENANCE TO INCLUDE MONITORING AND HAND WATERING AS NEEDED FOR THE FIRST TWO GROWING SEASONS TO ESTABLISH WOODY PLANTS. SPECIALIZED PLANTING AREAS INCLUDING FOUNDATION PLANTING AND ANNUAL BEDS MAY REQUIRE REGULAR HAND WATERING OR IRRIGATION.
  - CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
  - FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES.
  - CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. IF PLAN DIFFERS FROM LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO EXCAVATION

**APPROVED PLANNING BOARD OF HOWARD COUNTY**  
 DATE July 10, 2002

NO.	REVISION	DATE

**SITE LANDSCAPE PLAN**  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: MHM  
 DRAWN BY: CY  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.O. NO.: 2017138

REF: F-02-137

9 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Chad Dammann* 3/11/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Chris Hamer* 2/14/02  
 CHIEF, DIVISION OF LAND DEVELOPMENT

*David M. Uggel* 2/10/03  
 DIRECTOR

**DEVELOPER'S BUILDER'S CERTIFICATE**

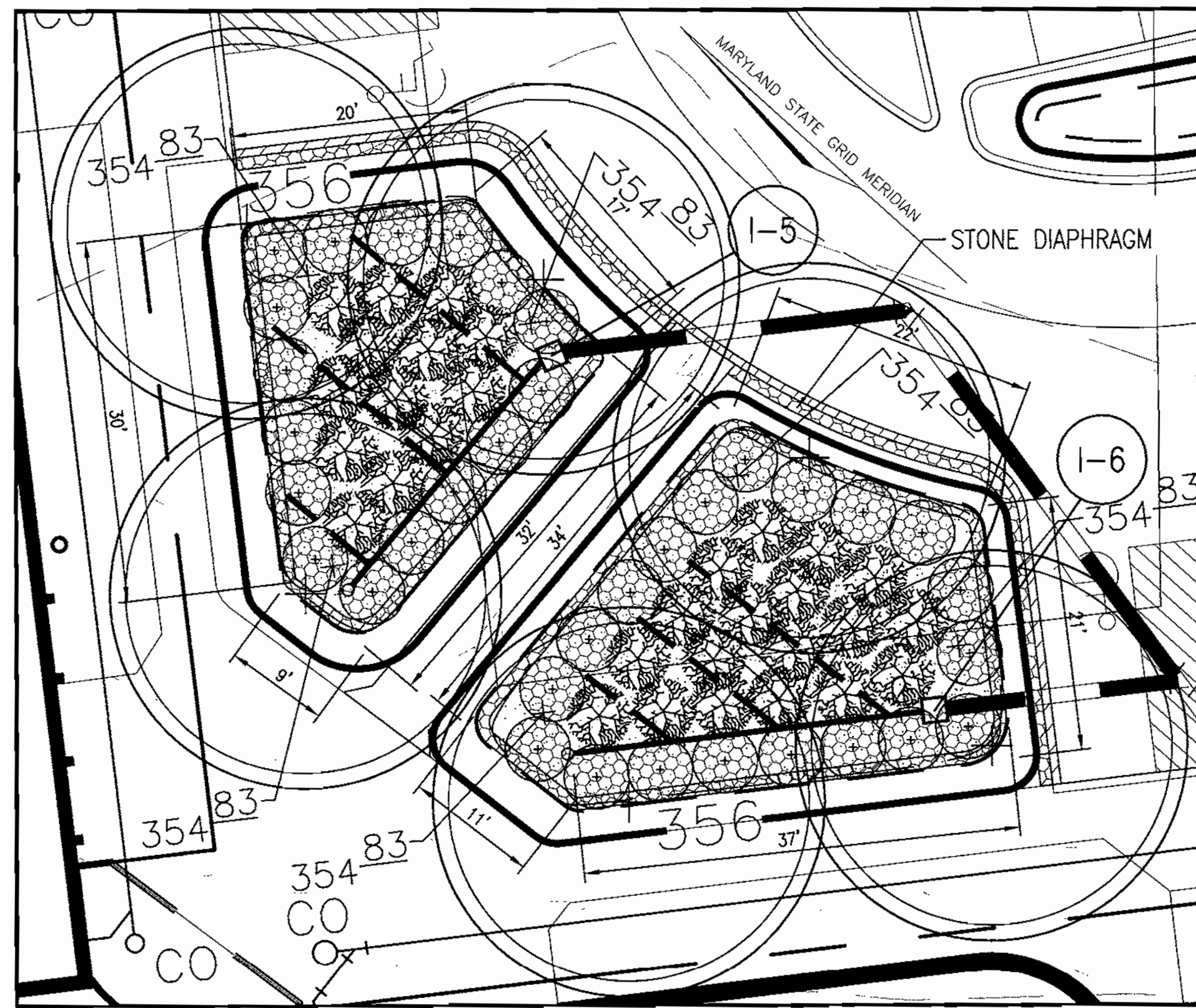
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXCUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

*Marcell H. Ware, President KCIC* 2/7/03  
 SIGNATURE OF DEVELOPER

**SCHEDULE B PARKING LOT INTERNAL LANDSCAPING**

Number of parking spaces (Includes existing)	111
Number of trees and islands required	6
Number of trees and islands provided	
Shade Trees	11
Other Trees (2:1 Substitution)	—

- GENERAL NOTES**
- This plan has been prepared in accordance with the New Town alternative compliance provisions of Section 16.124 of the Howard County Code and the Landscape Manual. The required parking, swmf, and perimeter landscaping will be bonded per this submission.
  - Financial Surety for the required landscaping has been posted as part of the Developer's Agreement in the amount of \$10,200.00 for the required 14 shade trees, 23 evergreen trees and 25 shrubs.
  - For planting details, see sheet 11 of 13.



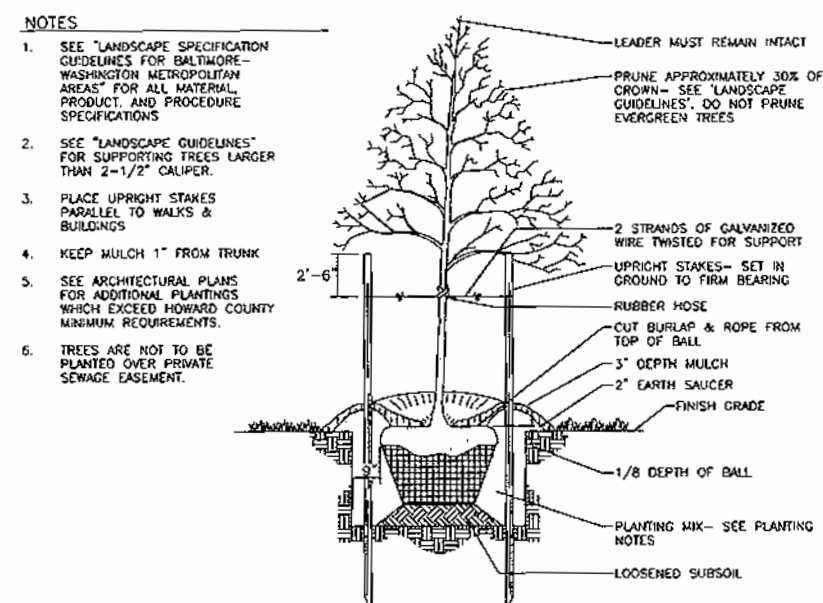
BIORETENTION AREAS 'A' AND 'B'



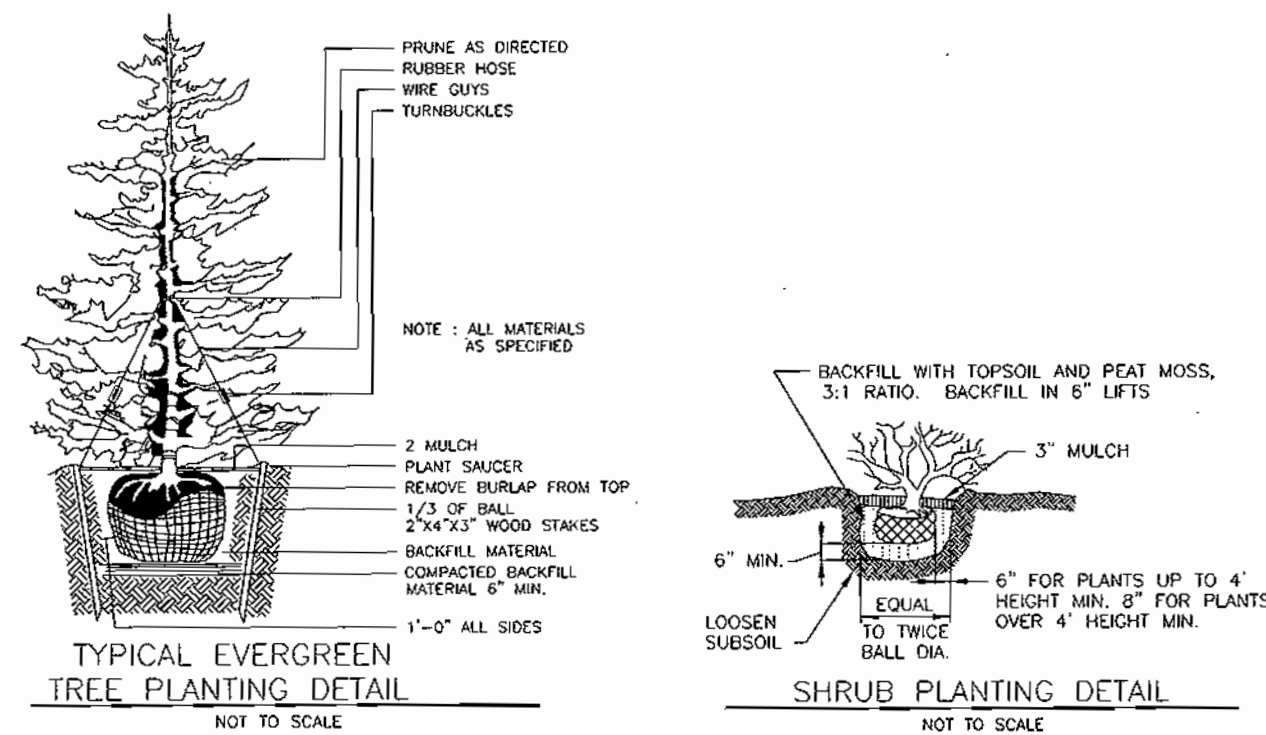
BIORETENTION AREA 'C'



BIORETENTION AREA 'D'



TREE PLANTING AND STAKING  
DECIDUOUS TREES UP TO 2-1/2" CALIBER  
NOT TO SCALE



TYPICAL EVERGREEN TREE PLANTING DETAIL  
NOT TO SCALE

SHRUB PLANTING DETAIL  
NOT TO SCALE

SCHEDULE D : STORMWATER MANAGEMENT AREA LANDSCAPING

LINEAR FEET OF PERIMETER	577 LF (ALL FOUR FACILITIES)
CREDIT FOR EXISTING VEGETATION (NO, YES AND LINEAR FEET)	NO
CREDIT FOR OTHER LANDSCAPING (NO, YES AND %)	YES, 100%*
NUMBER OF TREES REQUIRED	(C BUFFER)
SHADE TREES	14 SHADE TREES
EVERGREEN TREES	29 EVERGREEN TREES
NUMBER OF TREES PROVIDED	SEE BIORETENTION PLANT LIST
SHADE TREES	
EVERGREEN TREES	

\*BIORETENTION AREAS ARE LANDSCAPED BASED ON A DENSITY OF 1000 STEMS PER PLANTED ACRE OR AS REVISED BY HRD.  
\*SURETY FOR BIORETENTION PROVIDED IN THE DED COST ESTIMATE

BIORETENTION PLANTING SCHEDULE

KEY	QTY	BOTANICAL NAME/COMMON NAME	SIZE	REMARKS
(X)	15	CLADRAGIS LUTEA 'SWEETSHADE' SWEETSHADE YELLOWWOOD	1 1/2"-2" CAL	B & B
(A)	17	VIBURNUM TRILORUM AMERICAN HIGHBUSH CRANBERRY	5 GALLON	CONF
(B)	52	ILEX GLABRA COMPACTA DWARF INKBERRY	3 GALLON	CONF
(C)	16	KALIA LATIFOLIA MOUNTAIN LAUREL	5 GALLON	CONF
(D)	63	RHODODENDRON HY. 'GLACIER' OR 'WHITE ROSEBUD' GLACIER OR WHITE ROSEBUD HYBRID AZALEA	3 GALLON	CONF
(E)	3600	LIRIOPE 'MUSCARI' MAJESTIC MAJESTIC LILY TURF	2" POT	1" O.C.

BIORETENTION PLANTING REQUIREMENTS

NBR	AREA	STEMS REQUIRED	STEMS PROVIDED
A	640 SF	15	31
B	893 SF	20	37
C	2424 SF	56	57
D	794 SF	18	35

BIORETENTION AREAS ARE LANDSCAPED BASED ON A MINIMUM DENSITY OF 1000 STEMS PER PLANTED ACRE (.0229 STEMS PER SQUARE FOOT).

APPROVED  
PLANNING BOARD  
of HOWARD COUNTY  
DATE July 19, 2003

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
  
 DIRECTOR

NO. \_\_\_\_\_ REVISION \_\_\_\_\_ DATE \_\_\_\_\_

STORMWATER MANAGEMENT DETAILS  
NOTES & SPECIFICATIONS  
KINGS CONTRIVANCE INTERFAITH CAMPUS  
PARCELS F-3, F-4 AND F-5  
A RESUBDIVISION OF PARCEL F-1  
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TAX MAP 42, GRID 7  
6TH ELECTION DISTRICT

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: MFM  
 DRAWN BY: MFM  
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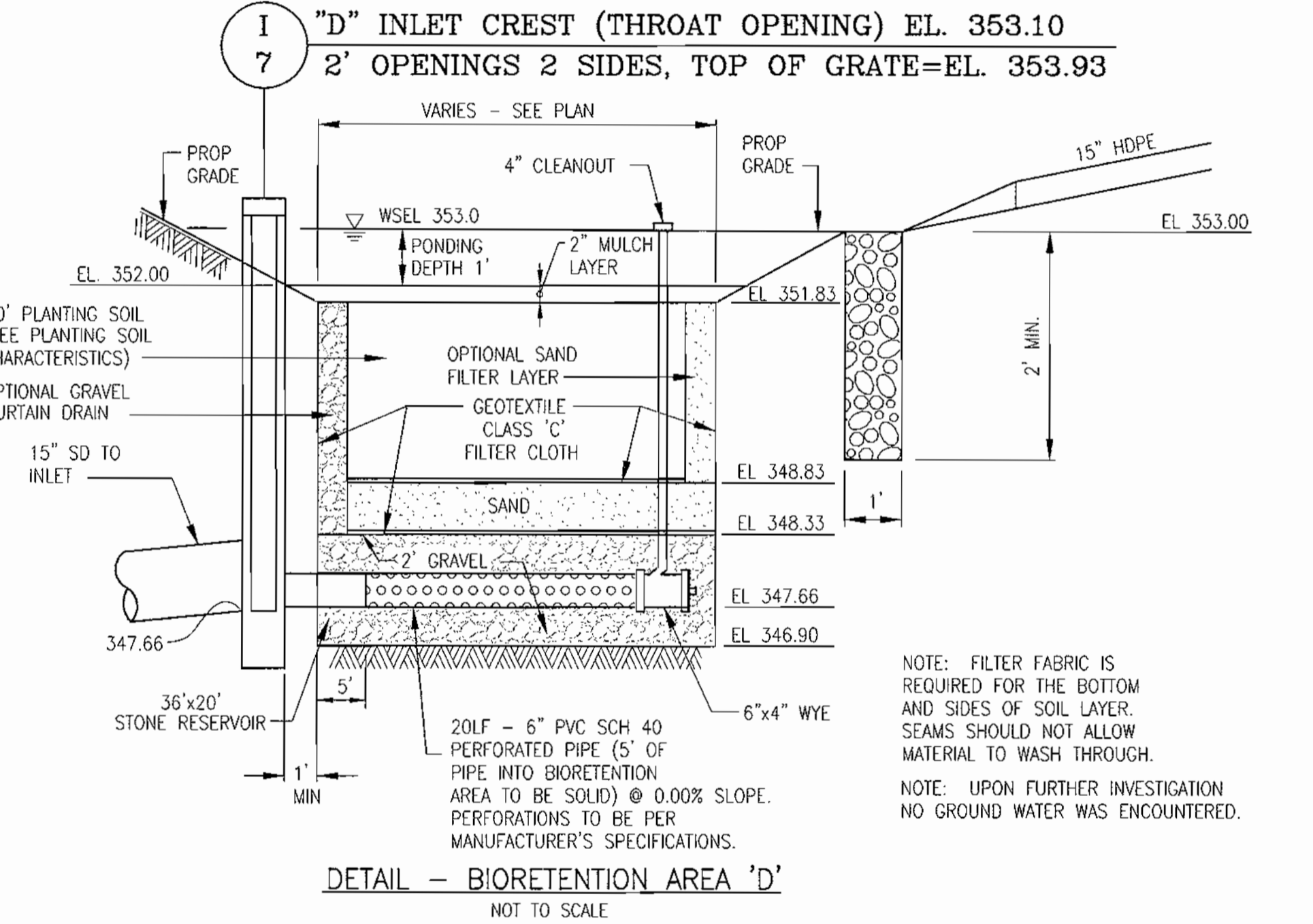
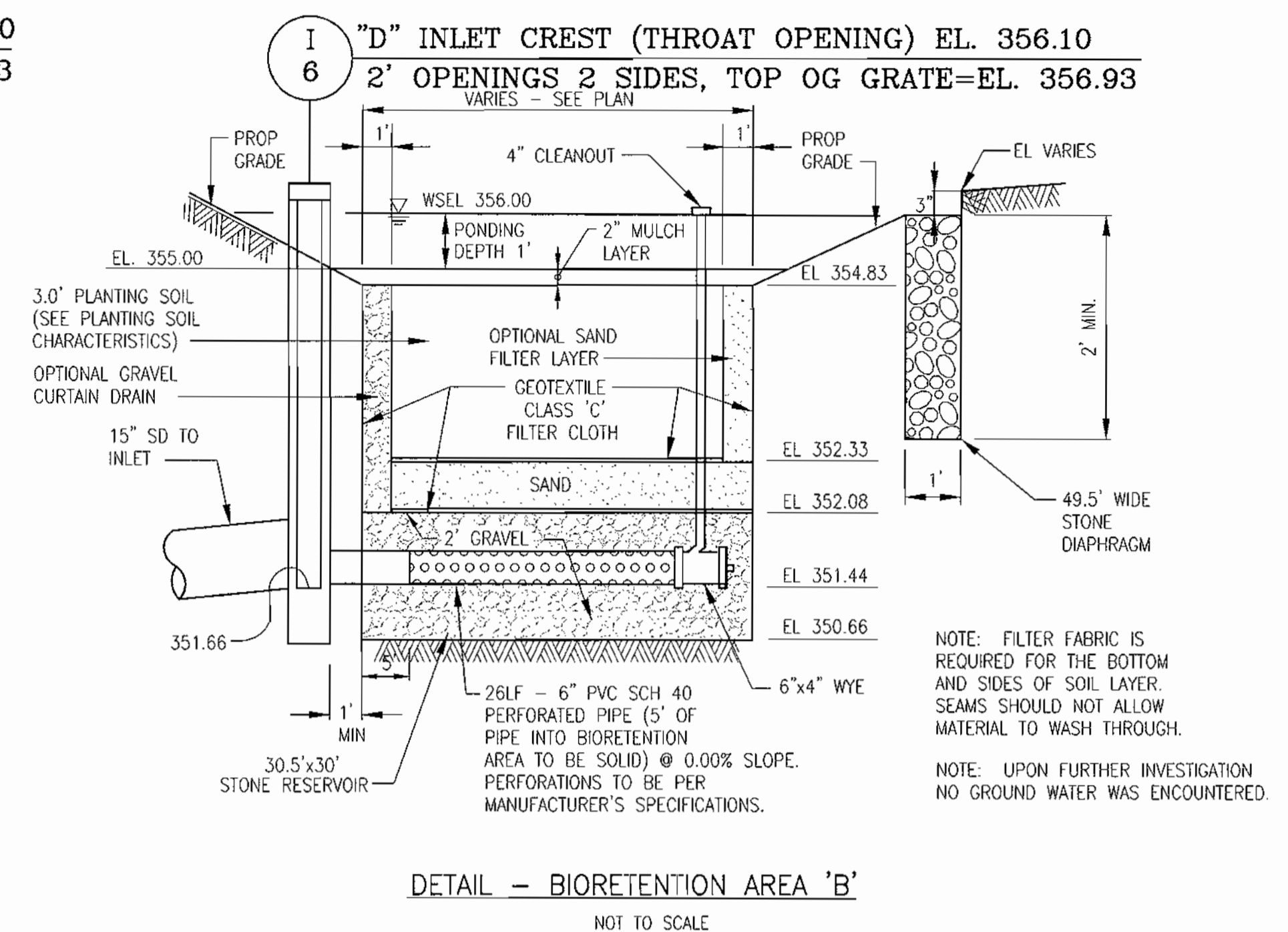
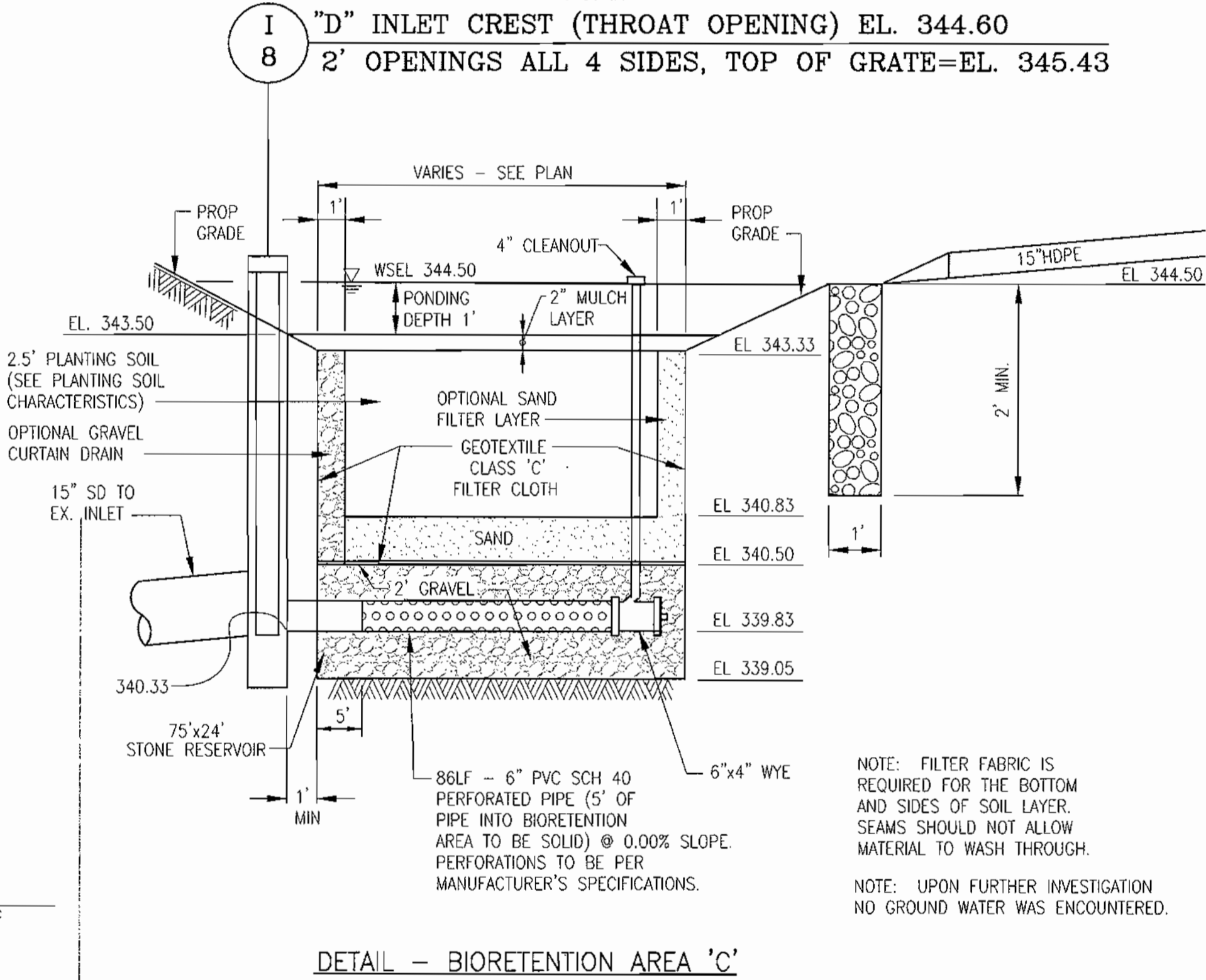
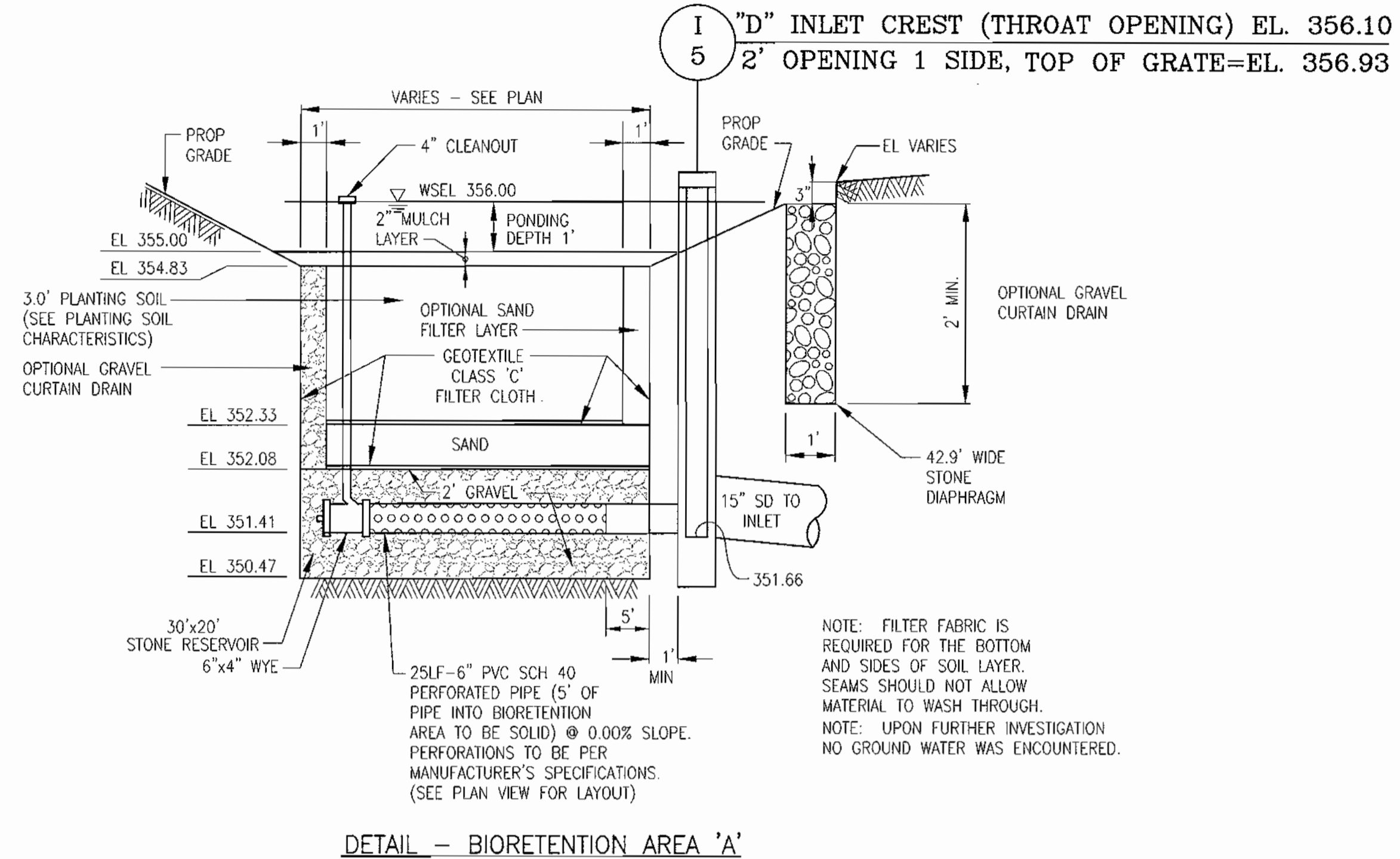
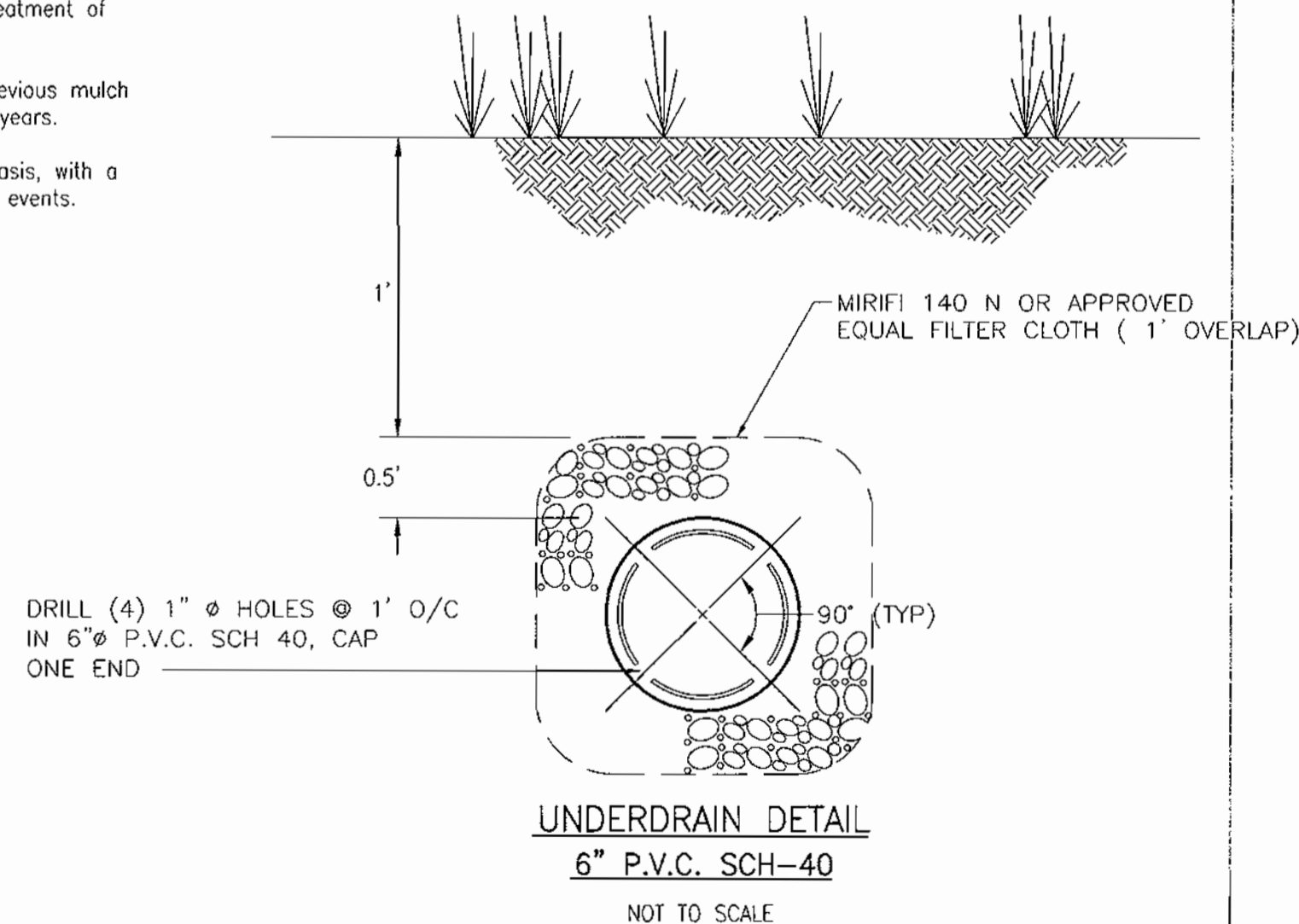
10 SHEET OF 12

Appendix B.3. Construction Specifications for Sand Filters, Bioretention and Open Channels  
 Specifications for Bioretention

- 1. Material Specifications**  
 The allowable materials to be used in bioretention area are detailed in Table B.3.2.
- 2. Planting Soil**  
 The soil shall be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances shall be mixed or dumped within the bioretention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The planting soil shall be free of Bermuda grass, Quackgrass, Johnson grass, or other noxious weeds as specified under COMAR 15.08.01.05.  
 The planting soil shall be tested and shall meet the following criteria:  
 pH range 5.2 - 7.0  
 organic matter 1.5 - 3% (by weight)  
 magnesium 35 lb/ac  
 phosphorus (phosphate - P 20) 75 lb/ac  
 potassium (potash - K 20) 85 lb/ac  
 soluble salts nil to exceed 500 ppm  
 All bioretention areas shall have a minimum of one test. Each test shall consist of both the standard soil test for pH, phosphorus, and potassium and additional test of organic matter, and soluble salts. A textural analysis shall be performed for each location where the top soil was excavated.  
 Since different labs calibrate their testing equipment differently, all testing results shall come from the same testing facility.  
 Should the pH fall out of the acceptable range, it may be modified (higher) with lime or (lower) with iron sulfate plus sulfur.
- 3. Compaction**  
 It is very important to minimize compaction of both the base of the bioretention area and the required backfill. When possible, use hoses to remove gravel soil. If bioretention areas are excavated using loader, the contractor should use wide track or marsh track equipment, or light equipment with turf type tires. Use of equipment with narrow tracks or narrow tires, rubber tires with large lugs, or high pressure tires will cause excessive compaction resulting in reduced infiltration rates and is not acceptable. Compaction will significantly contribute to design failure.  
 Compaction can be alleviated at the base of the bioretention facility by using a primary tilling operation such as chisel plow, ripper, or subsoiler. These tilling operations are to restructure the soil profile through the 12 inch compaction zone. Substitute methods must be approved by the engineer. Rototillers typically do not till deep enough to reduce the effects of compaction from heavy equipment.  
 Rototill 2 to 3 inches of sand into the base of the bioretention facility before backfilling the required sand layer. Pump any ponded water before preparing (rototilling) base.  
 When backfilling the topsoil over the sand layer, first place 3 to 4 inches of topsoil over the sand, then rototill the sand/topsoil to create a gradation zone. Backfill the remainder of the topsoil to final grade.  
 When backfilling the bioretention facility, place soil in lifts 12" to 18". Do not use heavy equipment within the bioretention basin. Heavy equipment can be used around the perimeter of the basin to supply soils and sand. Grade bioretention materials with light equipment such as a compact loader or a dozer/loader with marsh tracks.
- 4. Plant Material**  
 Recommended plant material for bioretention areas can be found in Appendix A, Section A.2.3. of the 2000 Maryland Stormwater Design Manual.
- 5. Plant Installation**  
 Mulch should be placed to a uniform thickness of 2" to 3". Shredded hardwood mulch is the only accepted mulch. Pine mulch and wood chips will float and move to the perimeter of the bioretention area during a storm event and are not acceptable. Shredded mulch should be well aged (6 to 12 months) for acceptance.  
 Root stock of the plant material shall be kept moist during transport and on-site storage. The plant root ball should be planted so 1/8th of the ball is above final grade surface. The diameter of the planting pit shall be at least six inches larger than the diameter of the planting ball. Set and maintain the plant straight during the entire planting process.  
 Trees shall be braced using 2" by 2" stakes only as necessary and for the first growing season only. Stakes are to be equally spaced on the outside of the tree ball.  
 Grasses and legume seed should be drilled into the soil to a depth of at least one inch. Grass and legume plugs shall be planted following the non-grass ground cover planting specifications.  
 The topsoil specifications provide enough organic material to adequately supply nutrients from natural cycling. The primary function of the bioretention structure is to improve water quality. Adding fertilizers defeats, or at a minimum, impedes this goal. Only odd fertilizer if wood chips or mulch are used to amend the soil. Rototill area fertilizer at a rate of 2 pounds of nitrogen per 1000 square feet.
- 6. Underdrains**  
 Underdrains are to be placed on a 3'-0" wide section filter cloth. Pipe is placed next, followed by the gravel bedding. The ends of underdrain pipes not terminating in an observation well shall be capped.  
 The main collector pipe for underdrain systems shall be constructed at a minimum slope of 0.5%. Observation well and/or clean-out pipes must be provided (one minimum per every 1000 square feet of surface area).
- 7. Miscellaneous**  
 The bioretention facility may not be constructed until all contributing drainage area has been stabilized.

**OPERATION AND MAINTENANCE SCHEDULE FOR BIO-RETENTION AREAS**

- annual maintenance of plant material, mulch layer and soil layer is required, maintenance of mulch and soil is limited to correcting areas of erosion or wash out, any mulch replacement shall be done in the spring, plant material shall be checked for disease and insect infestation and maintenance will address dead material and pruning.
- schedule of plant inspection will be twice a year in spring and fall, this inspection will include removal of dead and diseased vegetation considered beyond treatment, treatment of all deficient stakes and wires.
- mulch shall be inspected each spring, remove previous mulch layer before applying new layer once every 2 to 3 years.
- soil erosion to be addressed on an as needed basis, with a minimum of once per month and after heavy storm events.



**SUMMARY TABLE**

STEP	REQUIREMENT	VOLUME REQUIREMENT	NOTES
1	WATER QUALITY VOLUME WQV	A- 767 C.F. B- 1073 C.F. C- 2896 C.F. D- 927 C.F.	WATER QUALITY VOLUME PROVIDED IN PROPOSED BIO-RETENTION
2	RECHARGE VOLUME REV	A- 240 C.F. B- 278 C.F. C- 753 C.F. D- 240 C.F.	PROVIDED THROUGH STONE TRENCHES BELOW BIO-RETENTION
3	CHANNEL PROTECTION VOLUME CPV	N/A	N/A
4	OVERHEAD FLOOD PROTECTION, Q10P	N/A	N/A
5	EXTREME FLOOD VOLUME, Q100P	N/A	N/A

NOTE: SWM QUANTITY PROVIDED BY A REGIONAL STORMWATER MANAGEMENT FACILITY.

**APPROVED PLANNING BOARD OF HOWARD COUNTY**

DATE July 19, 2002

NO.	REVISION	DATE

**STORMWATER MANAGEMENT DETAILS NOTES & SPECIFICATIONS**  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE  
 TAX MAP 42, GRID 7 6TH ELECTION DISTRICT  
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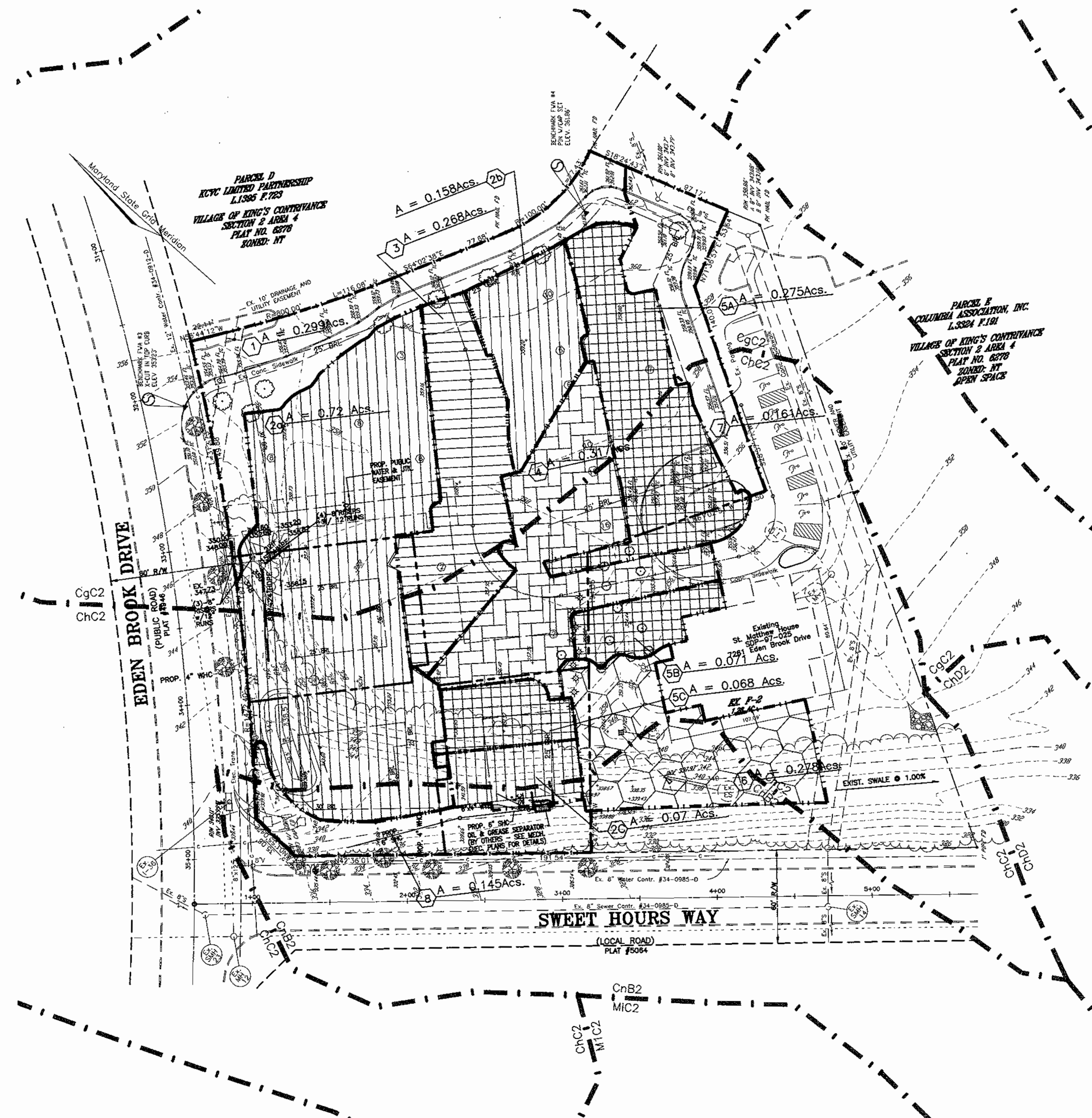


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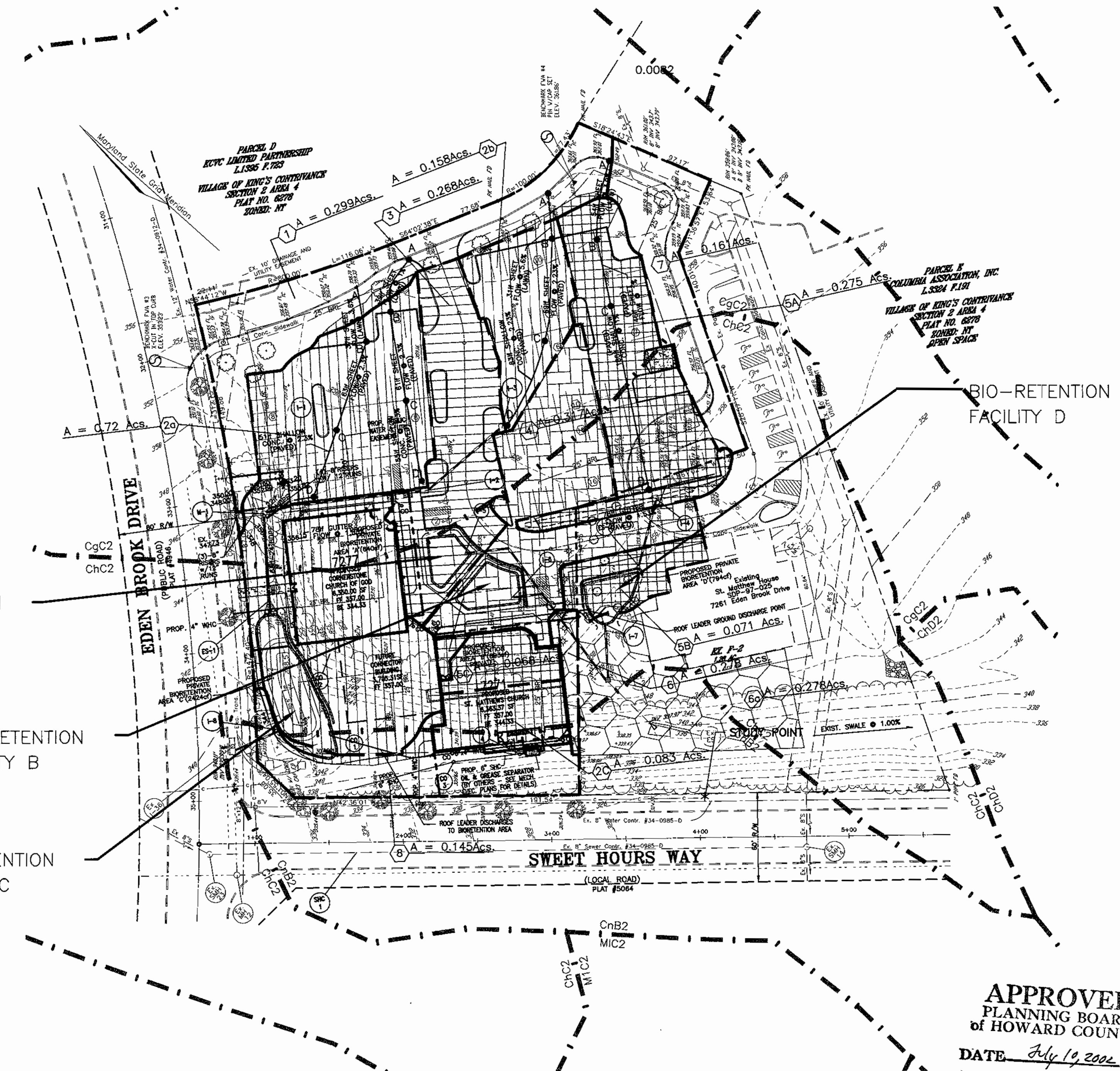
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 11 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE: 3/11/03  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE: 3/14/03  
 DIRECTOR  
 DATE: 3/10/03

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS  
 USDA-NATURAL RESOURCES CONSERVATION SERVICE  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 HOWARD SCD  
 DATE



EXISTING CONDITIONS DRAINAGE AREA MAP  
SCALE: 1" = 50'



DEVELOPED CONDITIONS SWM DRAINAGE AREA MAP  
SCALE: 1" = 50'

APPROVED  
PLANNING BOARD  
of HOWARD COUNTY  
DATE July 19, 2002

DRAINAGE AREA CHART

EXISTING CONDITIONS				
D.A. NO.	AREA (AC)	PERVIOUS AREA(AC)	IMPERV. AREA(AC)	% IMPERV.
1	0.299	0.0908	0.1358	45
2A	0.72	0.72	0.0	0
2B	0.158	0.158	0.0	0
2C	0.07	0.07	0.0	0
3	0.268	0.268	0.0	0
4	0.317	0.317	0.0	0
5A	0.275	0.213	0.062	22.5
5B	0.071	0.07	0.0	0
5C	0.068	0.068	0.0	0
6	0.278	0.278	0.0	0
7	0.161	0.1033	0.0877	54
8	0.145	0.145	0.0	0

BIO-RETENTION DESIGN SUMMARY

FACILITY NO.	DRAINAGE AREA	AREA		RV	WQV CF	V. TEMP .75 WQV	SURFACE AREA PROVIDED (AREA)x(DEPTH)	DF FT.	AF SF	REV CF	STONE RESEVOIR	
		TOTAL	IMP.								LxW	D
A	3	0.268	0.22	0.79	767	575	640	2.5	640	240	30x20	0.94
B	4	0.317	0.312	0.93	1072	804	893	2.5	893	278	30.5x30	0.78
C	2	0.95	0.83	0.84	2896	2172	2424	2.5	2413	755	90x25.5	0.76
D	5	0.414	0.26	0.63	727	545	727	3	727	240	40x23	0.76

$WQV = [P(RV)(A)] / 12$   
 $AF = (WQV)(DF)$   
 $D = \frac{V_{rev}}{AF \times N}$   
 WHERE  $K = 0.5 \text{ FT/DAY}$   
 $N = 40\% \text{ VOIDS}$   
 $TF = 2.0 \text{ DAYS}$



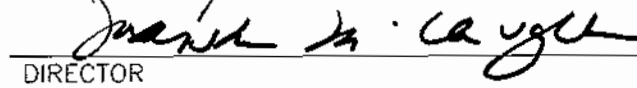
- NOTES:
- BIO-RETENTION FACILITIES ARE DESIGNED FOR PROPOSED BUILDINGS (INCLUDING FUTURE CONNECTOR BUILDING) AND ADJACENT PARKING. ANY ADDITIONAL NEW IMPERVIOUS AREAS TO THE PROPOSED LAYOUT SHOWN ON PLANS WILL REQUIRE AN ADDITIONAL STUDY AND ADDITIONAL NEW STORMWATER MANAGEMENT.
  - SITE LIES WITHIN THE MIDDLE PATUXENT WATERSHED WHICH IS A CLASS I STREAM.
  - REGIONAL FACILITY DOWNSTREAM PROVIDES FOR QUANTITATIVE MANAGEMENT.
  - Cp, Qp10, AND Qf ARE NOT REQUIRED.

DRAINAGE AREA CHART

DEVELOPED CONDITIONS				
D.A. NO.	AREA (AC)	PERVIOUS AREA(AC)	IMPERV. AREA(AC)	% IMPERV.
1	0.299	0.0832	0.1358	62
2A	0.72	0.098	0.62	87
2B	0.158	0.0175	0.14	89
2C	0.070	0.0	0.07	100
3	0.268	0.048	0.22	82
4	0.317	0.005	0.312	98
5A	0.275	0.08	0.19	69
5B	0.071	0.024	0.047	66
5C	0.068	0.0	0.068	100
6	0.278	0.267	0.011	4
7	0.161	0.0947	0.0963	50
8	0.145	0.145	0.0	0

\* DOES NOT GO TO BIO-RETENTION FACILITY.  
+ CREDIT APPLIES. SEE COMPUTATIONS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE: 3/11/03  
  
 CHECK, DIVISION OF LAND DEVELOPMENT  
 DATE: 3/14/03  
  
 DIRECTOR  
 DATE: 3/16/03

EXISTING AND DEVELOPED DRAINAGE AREA MAPS

**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: CLS  
 DRAWN BY: CLS  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=50'  
 W.O. NO.: 2017138

REF: F-02-137

12 SHEET OF 12

**LEGEND**

- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Flow
- Existing Trees to Remain
- Shade Trees
- Evergreen Trees
- Shrubs
- Flowering Trees
- Ground Cover/Annuals
- Perimeter Landscape Edge

CATEGORY	ADJACENT TO ROADWAYS*		
	1	2	3
Perimeter/Frontage Designation Landscape Type	E	C	C
Linear Feet of Roadway Frontage/Perimeter	99	195	260
Credit for Existing Vegetation (Yes, No, Linear Feet Describe below if needed)	No	No	No
Credit for Wall, Fence or Berm (Yes, No, Linear Feet Describe below if needed)	No	No	No
Number of Plants Required			
Shade Trees	1:40 2	1:40 5	1:40 7
Evergreen Trees	-	1:20 10	1:20 13
Shrubs	1:04 25	-	-
Number of Plants Provided*			
Shade Trees	2	3**	---***
Evergreen Trees	-	14**	30***
Other Trees (2:1 Substitution)	-	-	4***
Shrubs (10:1 Substitution)	25	-	-
Describe Plant Substitution Credits Below if needed)			

This property is an internal parcel within an existing subdivision.  
 \*This plan prepared per New Town Alternative Compliance Method. Substitutions of type, quantity and location per HRD.  
 \*\* 3 SHADE TREES AND 14 EVERGREEN TREES ARE BEING SUBSTITUTED FOR THE REQUIRED 5 SHADE TREES AND 10 EVERGREEN TREES.  
 \*\*\* NO SHADE TREES, 30 EVERGREEN TREES AND 4 ORNAMENTAL TREES ARE BEING SUBSTITUTED FOR THE REQUIRED 7 SHADE TREES AND 13 EVERGREEN TREES.

**LANDSCAPE SCHEDULE KEY**

- PS
- RH
- IP
- AR
- FP
- EA
- AC

KEY	QUAN.	BOTANICAL NAME	SIZE	REM.
AC	11	Amelanchier canadensis 'Robin Hill'	2-2 1/2" Cal.	B & B or Cont.
AR	10	Robin Hill Serviceberry Acer rubrum 'October Glory' October Glory Red Maple	3-3 1/2" Cal.	B & B
EA	107	Euonymus alatus 'Compacta' Dwarf Burning Bush	24-36" Ht	B & B or Cont.
FP	20	Fraxinus p. 'Patmore' Patmore Green Ash	3-3 1/2" Cal.	B & B
JP	93	Juniperus parsonii Parson's Juniper	24-36" Spd.	B & B or Cont.
PS	23	Pinus Strobus White Pine	6-8' Ht.	B & B
RH	49	Rhododendron hy. 'Glacier' or 'White Rosebud' Glacier Evergreen White-flowered Azalea	18"-24" Ht	B & B or Cont.

**LANDSCAPE SCHEDULE NOTES**

- ALL PLANT MATERIALS SHALL BE FULL AND HEAVY. BE WELL FORMED AND SYMMETRICAL. CONFORM TO THE MOST CURRENT AN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH HRD PLANTING SPECIFICATIONS.
- MAINTENANCE TO INCLUDE MONITORING AND HAND WATERING AS NEEDED FOR THE FIRST TWO GROWING SEASONS TO ESTABLISH WOODY PLANTS. SPECIALIZED PLANTING AREAS INCLUDING FOUNDATION PLANTING AND ANNUAL BEDS MAY REQUIRE REGULAR HAND WATERING OR IRRIGATION.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES.
- CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. IF PLAN DIFFERS FROM LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.

NO.	REVISION	DATE
1	REVISED BUILDING DIMENSIONS	09-20-02
2	ADD PLAYGROUND AREA, ADD DAYCARE USE NOTES, RELOCATE TREES	1/10/02

**APPROVED**  
**PLANNING BOARD**  
 OF HOWARD COUNTY  
 DATE July 14, 2002

**GENERAL NOTES**

- This plan has been prepared in accordance with the New Town alternative compliance provisions of Section 16.124 of the Howard County Code and the Landscape Manual. The required parking, swmf, and perimeter landscaping will be bonded per this submission.
- Financial Surety for the required landscaping has been posted as part of the Developer's Agreement in the amount of \$10,200.00 for the required 14 shade trees, 23 evergreen trees and 25 shrubs.
- For planting details, see sheet 11 of 13.

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING	
Number of parking spaces (includes existing)	111
Number of trees and islands required	6
Number of trees and islands provided	
Shade Trees	11
Other Trees (2:1 Substitution)	-

**DEVELOPER'S/BUILDER'S CERTIFICATE**  
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE(1) YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.  
 \_\_\_\_\_  
 Maxwell H. Ware, President KRC 2/7/03  
 SIGNATURE OF DEVELOPER DATE

BEFORE BEGINNING CONSTRUCTION CONTACT  
 "MISS UTILITY"  
 AT  
 1-800-257-7777  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 \_\_\_\_\_  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 3/11/02  
 \_\_\_\_\_  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE 3/14/02  
 \_\_\_\_\_  
 DIRECTOR DATE 3/14/02

SITE LANDSCAPE PLAN  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KINGS CONTRIVANCE

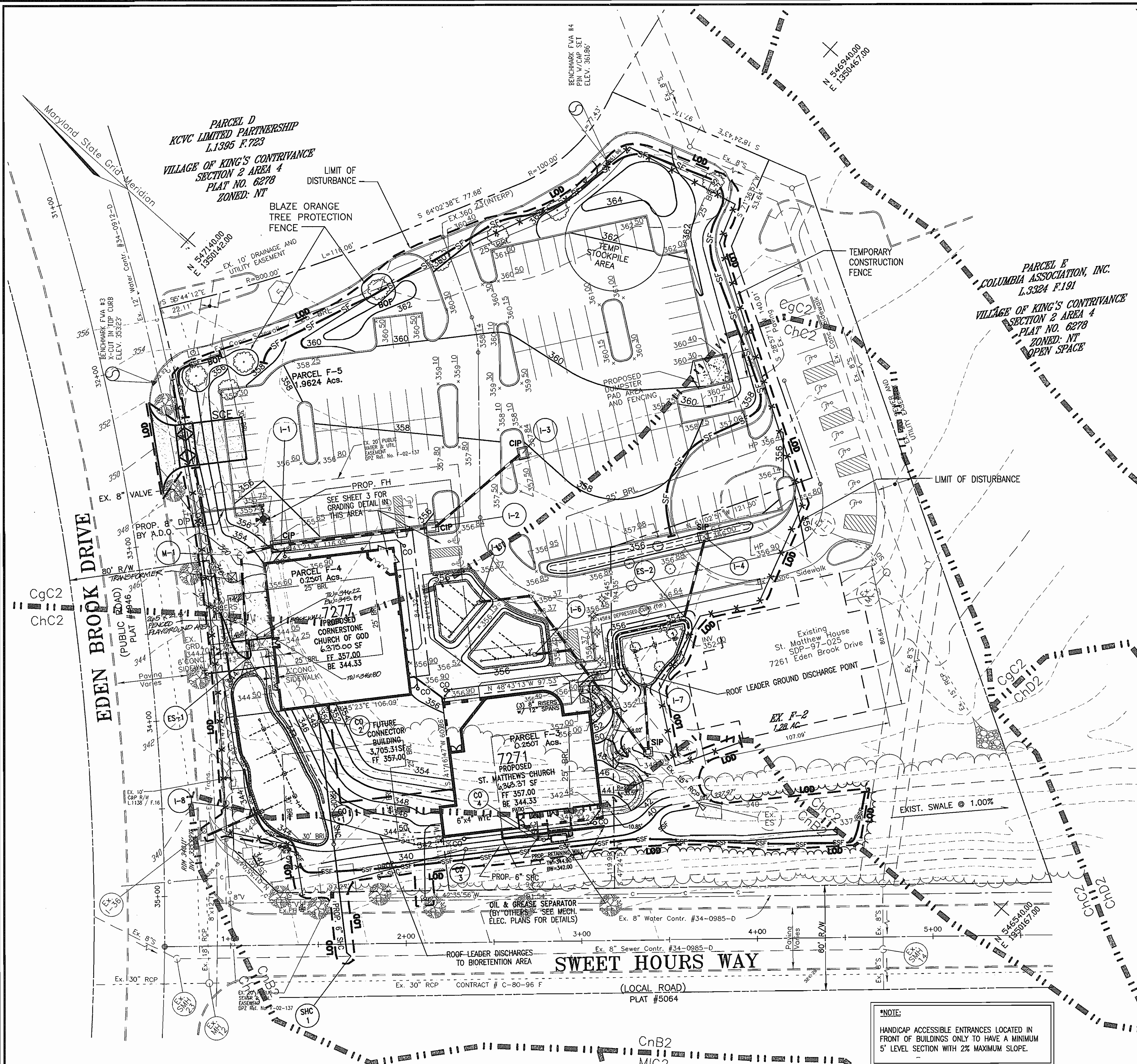
TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

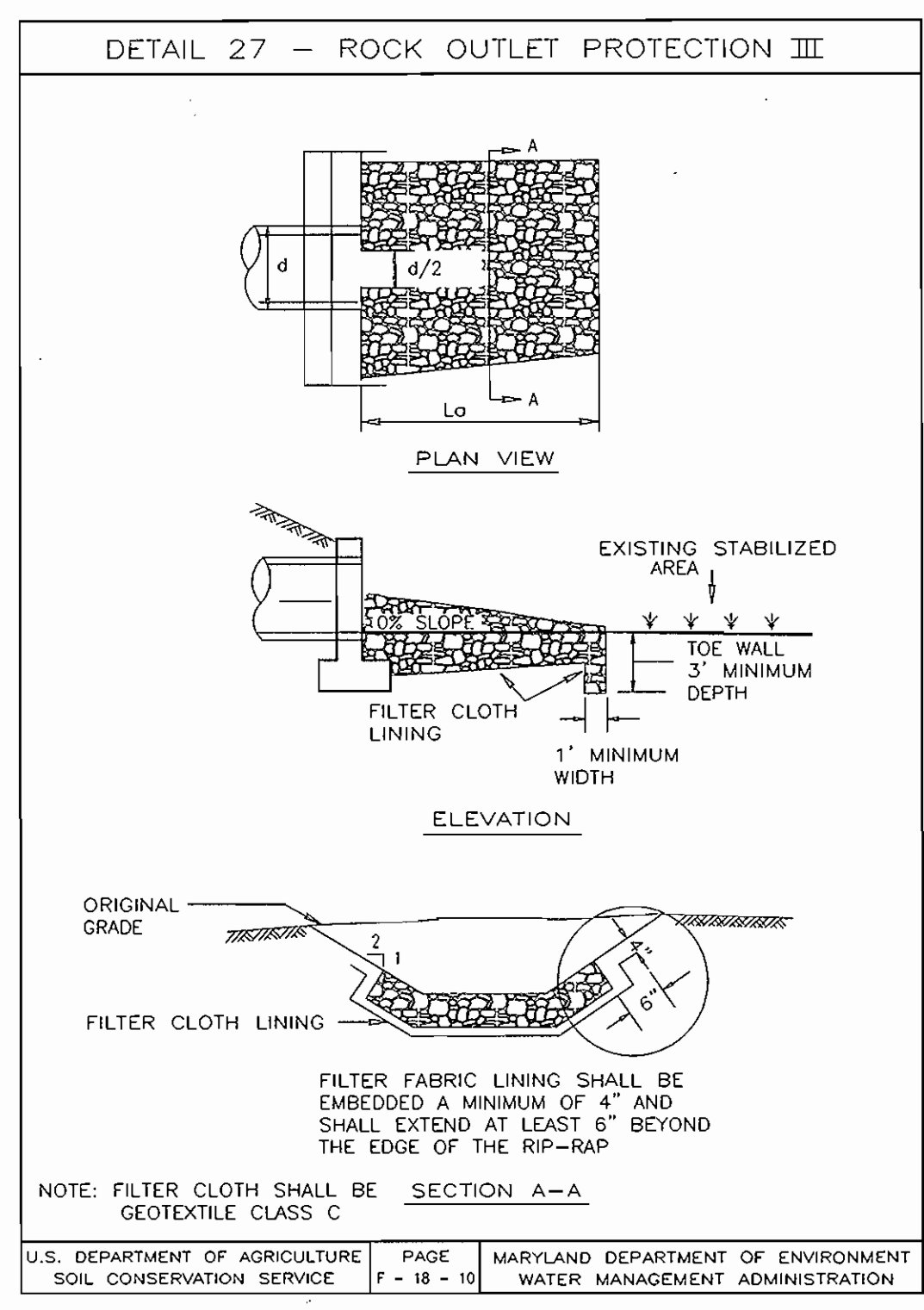
DESIGN BY: MMR  
 DRAWN BY: CY  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.D. NO.: 2017138

REF: F-02-137  
 9 SHEET OF 12



- SEQUENCE OF CONSTRUCTION**
1. Obtain grading permit.
  2. Notify Howard County Bureau of Inspections and Permits at (410)313-1880 at least 24 hours before starting any work.
  3. Install Stabilized Construction Entrance, Silt Fence, Super Silt Fence, Inflow Protection, Tree Protection and Temporary Construction Fencing. (5 days)
  4. Rough grade site and temporarily stabilize. (1 week)
  5. Construct Water, Sewer and Storm Drain, and install Inlet Protection. (2 weeks)
  6. Begin building construction. Remove existing paving as required to grade in parking lot and driveway near cul-de-sac. Fine grade driveway and immediately stabilize any disturbed area with gravel base course and temporary seed and mulch. (2 weeks)
  7. Grade remainder of site and install curb and gutter, except flush curb by bioretention areas. Immediately stabilize parking lot and driveway with gravel base course. Permanently stabilize parking islands with seed and mulch. (1 week)
  8. Install any remaining parking lot curb and gutter, pavement, curb stops and sidewalks. Complete building construction and permanently stabilize any disturbed areas. (1 1/2 weeks)
  9. With permission from the Inspector, Construct bioretention area. Install underdrain piping, inlet, sand, gravel and planting soil mixture. Install sidewalk between bioretention areas and permanently stabilize perimeter and embankments with seed and mulch. Install plant materials and apply mulch. (2 weeks)
  10. With permission from the Inspector, Construct Bioretention Area No. 3. Install underdrain piping, inlet, sand, gravel, and planting soil mixture. Permanently stabilize embankment and surrounding disturbed areas with permanent seed and mulch. Install plant materials and apply mulch to beds. (1 1/2 weeks)
  11. Install Site Landscaping. (4 weeks)
  12. With permission of the Inspector, remove all Sediment Controls from the site. Stabilize all disturbed areas immediately. (1 week)
  13. During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the Sediment Control measures on this plan.
  14. Following initial soil disturbances or redistribution permanent or temporary stabilization shall be completed within:
    - A. 7 calendar days for all perimeter Sediment Control Structures, Dikes, Swales and all slopes greater than 3:1.
    - B. 14 calendar days for all other disturbed areas.
- \* NOTE:** Do not install flush curb surrounding bioretention areas or handicap ramp and sidewalk in front of St. Matthew's Church until Bioretention Area is constructed during step No.9.

SOILS CHART		
KEY	DESCRIPTION	TYPE
CgC2	CHESTER SILT LOAM, 8-15%	B
ChC2	CHESTER SILT LOAM, 5-10%	B
CnB2	CHESTER SILT LOAM, 3-8%	B



NO.	REVISION	DATE
1	REVISED BUILDING DIMENSIONS	09-30-03
2	ADD PLAYGROUND AREA AND LANDSCAPE USE NOTES	1-7-03

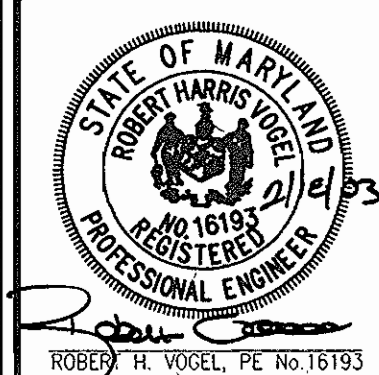
**GRADING AND EROSION & SEDIMENT CONTROL PLAN**

**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KING'S CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 ENGINEERS: 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 ARCHITECTS: Phone: 410-290-9550 Fax: 410-720-6226  
 SURVEYORS: Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DESIGN BY: CLS  
 DRAWN BY: GRL  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.O. NO.: 2017138

REF: F-02-137

7 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Chris Deane* 3/11/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Chris Hamer* 3/14/03  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Frank J. Leary* 3/12/03  
 DIRECTOR DATE

**ENGINEERS CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION 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.

*Robert H. Vogel* 2/21/03  
 SIGNATURE OF ENGINEER DATE  
 ROBERT H. VOGEL

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Matthew K. Ulan* President KRC 2/17/03  
 SIGNATURE OF DEVELOPER DATE

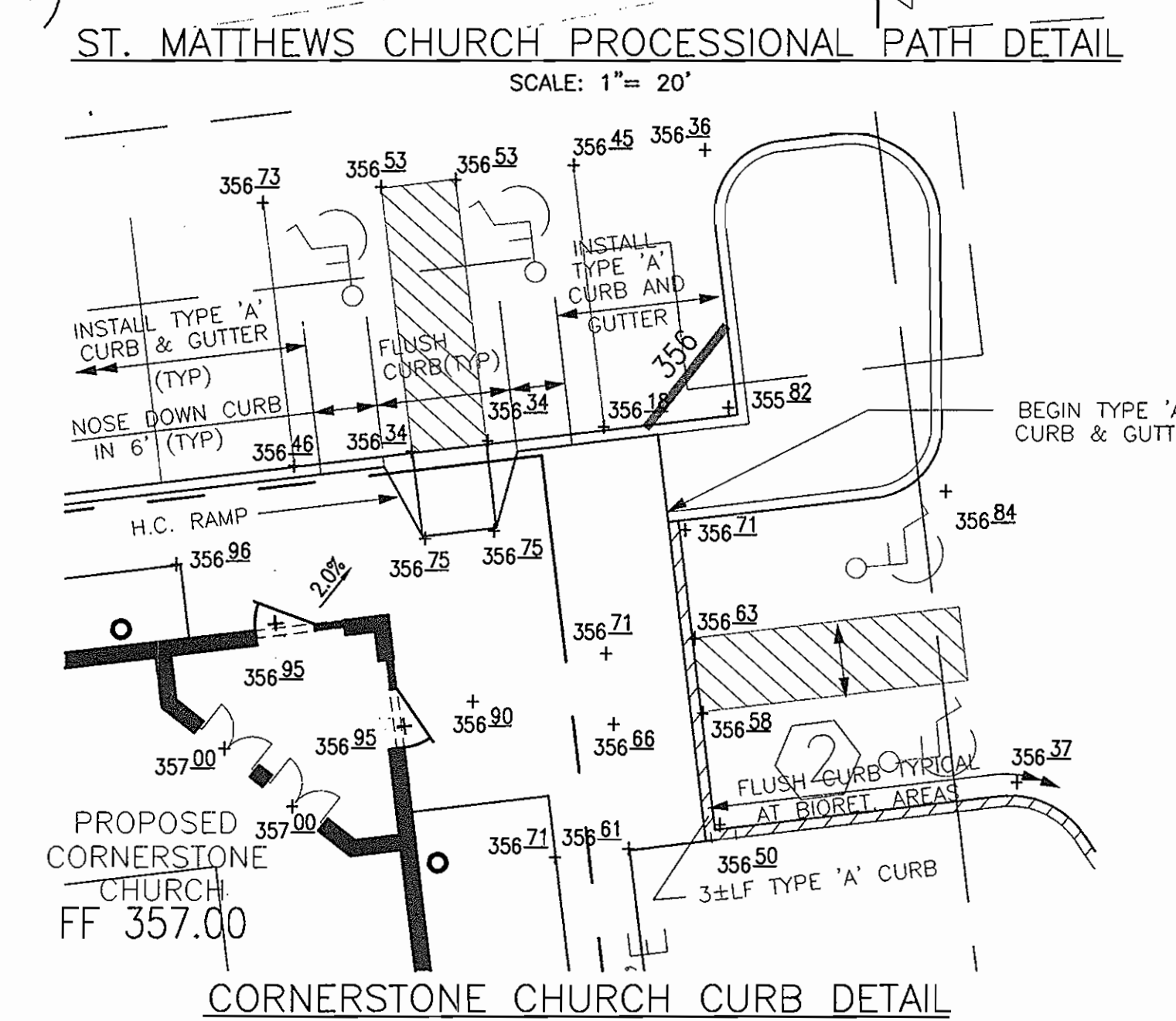
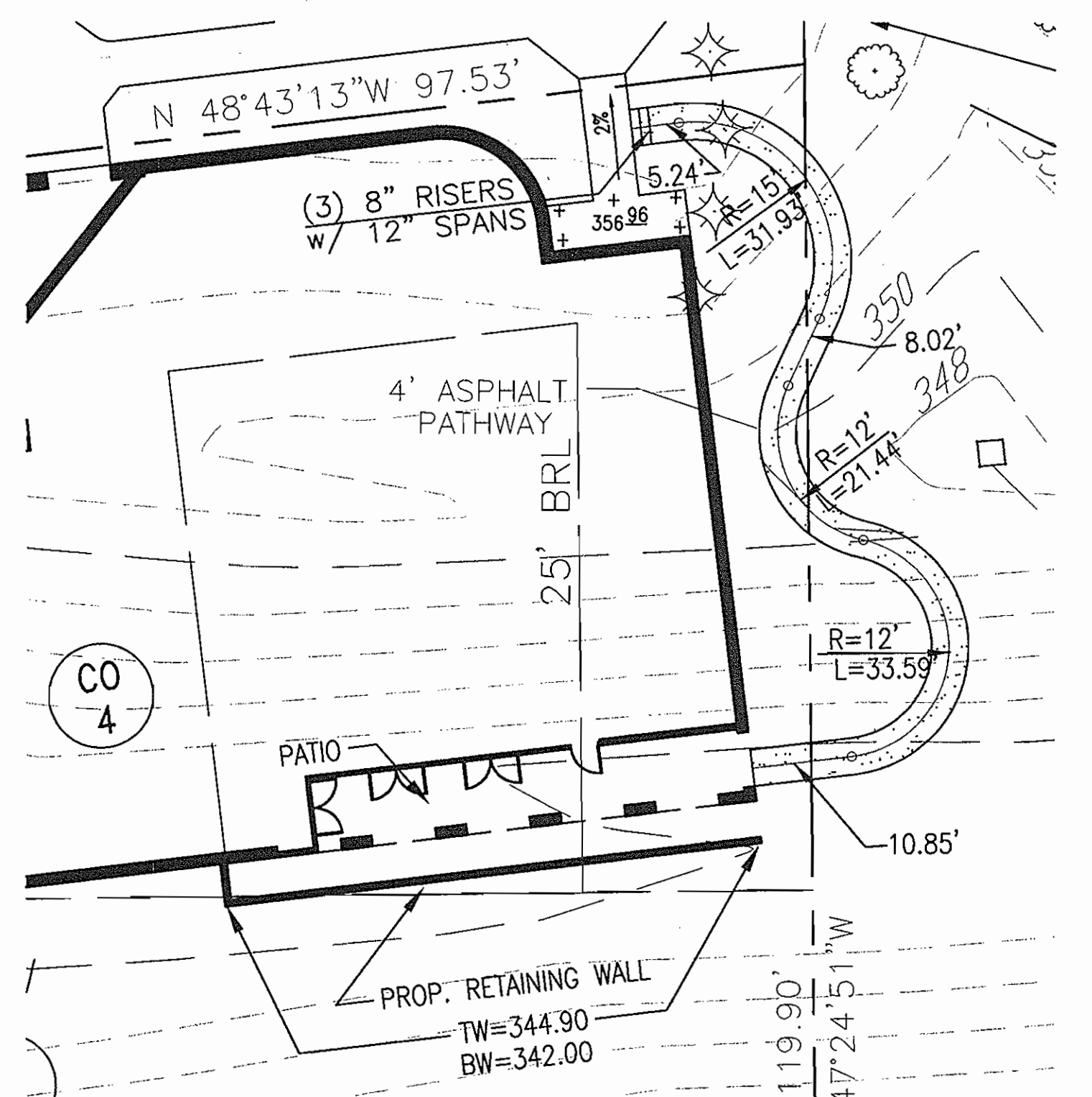
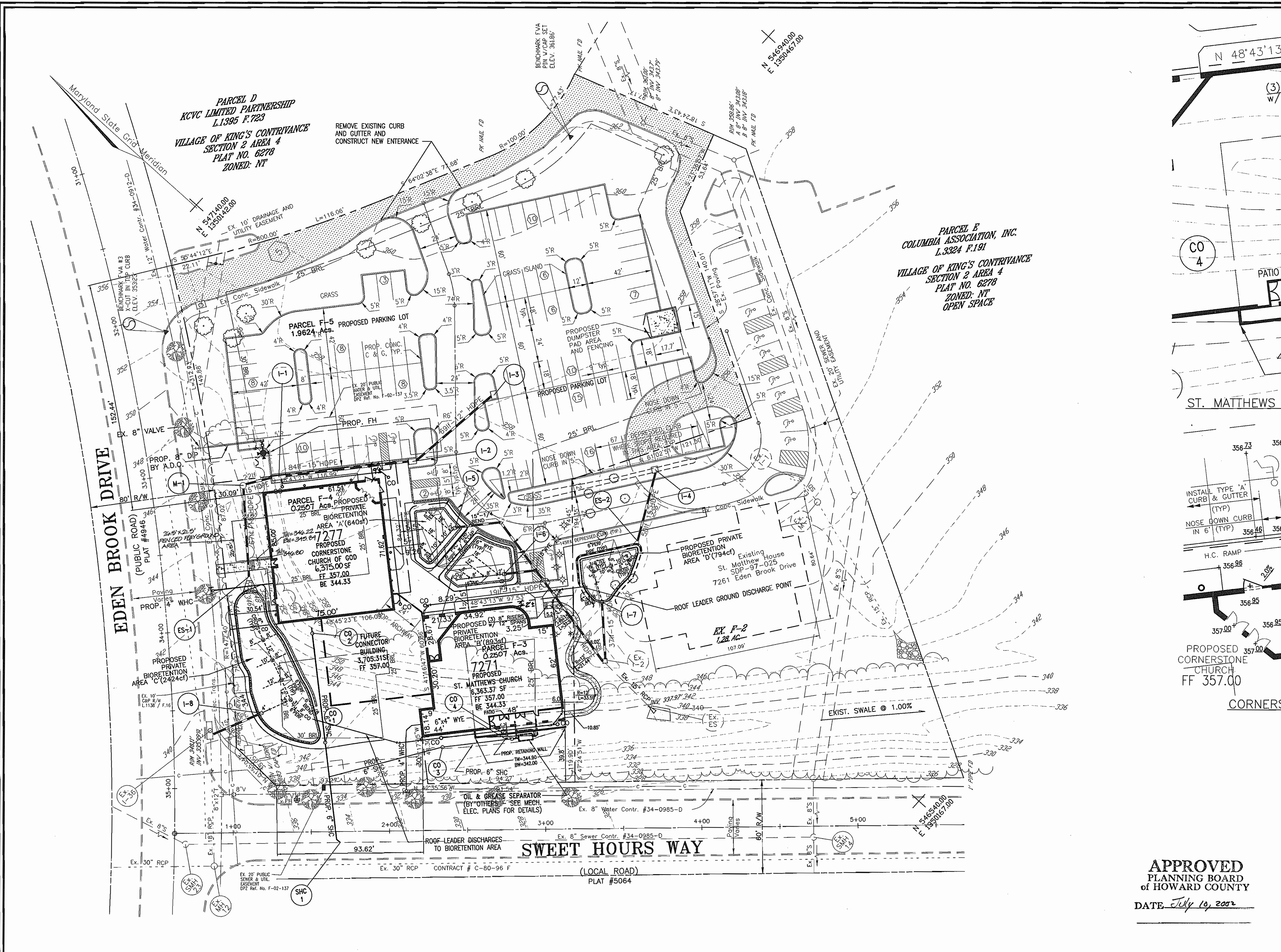
REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS

*Jim Mayus* 3/10/03  
 U.S. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

*John R. Robertson* 3/10/03  
 HOWARD SCD DATE

**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: July 10, 2002



1	REVISED BUILDING DIMENSIONS	09-30-08
2	ADD PLAYGROUND AND DAYCARE USE NOTES	1-7-08
NO.	REVISION	DATE

**SITE LAYOUT AND UTILITIES PLAN**  
**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
 PARCELS F-3, F-4 AND F-5  
 A RESUBDIVISION OF PARCEL F-1  
 VILLAGE OF KING'S CONTRIVANCE

TAX MAP 42, GRID 7  
 6TH ELECTION DISTRICT

PARCEL 482  
 HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
 7125 Riverwood Drive Columbia, Maryland 21046-2354  
 Phone: 410-290-9550 Fax: 410-720-6226  
 Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

DESIGN BY: CLS  
 DRAWN BY: ORL  
 CHECKED BY: MMR  
 DATE: FEB. 6, 2003  
 SCALE: 1"=30'  
 W.O. NO.: 2017138

REF:F-02-137

3 SHEET OF 12

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Chad Dammann* 3/11/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*Cynthia Harshbarger* 3/14/03  
 CHIEF, DIVISION OF LAND DEVELOPMENT

*Janisha D. Leuger* 3/14/03  
 DIRECTOR

- \*NOTE:**  
 WATER METERS ARE LOCATED INSIDE BUILDINGS. SEE ARCHITECTURAL PLANS FOR DETAILS.
- \*NOTE:**  
 HANDICAP ACCESSIBLE ENTRANCES LOCATED IN FRONT OF BUILDINGS ONLY TO HAVE A MINIMUM 5' LEVEL SECTION WITH 2% MAXIMUM SLOPE.
- \*NOTE:**  
 A SHARED PARKING AND MAINTENANCE AGREEMENT HAS BEEN RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, GRANTING THE OWNERS OF PARCEL F3 AND PARCEL F4 THE RIGHT TO USE ALL PARKING SPACES ON PARCEL F5.

GENERAL NOTES

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- The contractor is to notify the following utilities or agencies at least five days before starting work on these drawings:
  - Miss Utility: 1-800-257-7777
  - Verizon Telephone Company: (410) 754-6281
  - Howard County Bureau of Utilities: (410) 313-2366
  - AT&T Cable Location Division: 393-3553
  - B.G.E. Co. Contractor Services: 850-4820
  - B.G.E. Co. Underground Damage Control: 787-4820
  - State Highway Administration: 531-5533
- Site analysis:
  - Area of parcel F-3: 0.2507 acs.
  - Area of parcel F-4: 0.2507 acs.
  - Area of parcel F-5: 1.9622 acs.
  - Total Site Area: 2.4636 acs.

Present zoning: NEW TOWN OPEN SPACE per Plat 12376  
 Use of structures: Religious AND DAYCARE FACILITY WITHIN.  
 Total building area: 12,758 sf

Building coverage on site:
 
  - Area of parcel F-3: 0.1460 acs. 58.2%
  - Area of parcel F-4: 0.1463 acs. 58.4%
  - Area of parcel F-5: 0 acs. 0%

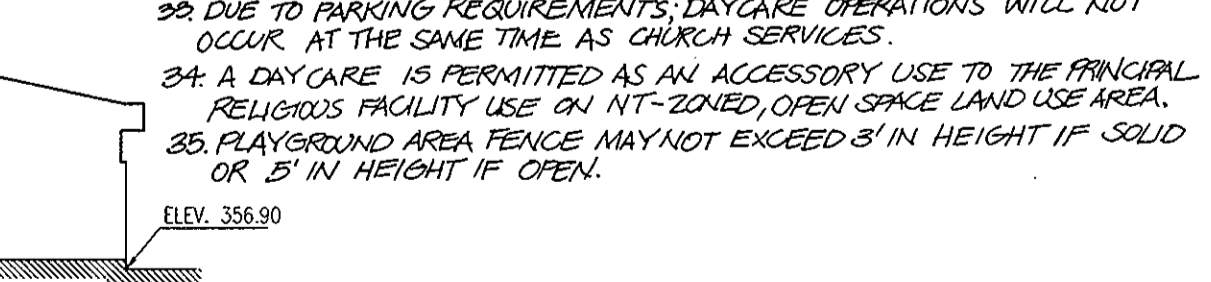
There are no steep slopes on-site
- Project background:
  - Location: Columbia, Md.; Tax Map 42, Parcel F-3, F-4 & F-5.
  - Zoning: NEW TOWN OPEN SPACE per the 10/18/93 Comprehensive Zoning Plan.
  - Section/Area: 2/4
  - Site Area: 2.4636 Acres
  - DPZ references: SDP-97-25, F-96-181, F-85-114, F-02-137
  - FDP PLAN PHASE 17B-A-II PART IV, VILLAGE OF KINGS CONTRIVANCE-- (PLAT# 3054-A-1658) Has been Recorded on 9/16/02 among the Land Records of Howard County as Plats No(s). 15570 to 15573.
- The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to start of work.
- Any damage to public right-of-ways, paving, or existing utilities will be corrected at the contractor's expense.
- Existing utilities located from Field Surveys and available record drawings. Approximate location of existing utilities are shown for the contractors information. Contractor shall locate existing utilities well in advance of construction activities and take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
- All reinforced concrete for storm drain structures shall have a minimum of 28 days strength of 3,500 p.s.i.
- Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
- Estimates of earthwork quantities are provided solely for the purpose of calculating fees.
- Soil compaction specifications, requirements, methods and materials are to be in accordance with the recommendations of the project Geotechnical Engineer. Geotechnical Engineer to confirm acceptability of proposed paving section, based on soil test.
- All storm drain pipe bedding shall be Class 'C'
- The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System. Howard County Monument Nos. 42R1 and 42R2 were used for this project.
- A noise study is not required for this project.
- Existing topography is based on field run information performed by Frederick Ward Associates, Inc. in June, 2001.
- See sheet 6 for paving section details.
- All curb and gutter to be Howard County Standard concrete Detail R3.01 unless otherwise specified.
- There are no wetlands, streams, or flood plains located onsite.
- Where drainage flows away from curb, contractor to reverse the gutter pan.
- All elevations are to flowline/bottom of curb unless otherwise noted.
- All dimensions are to face of curb unless otherwise noted.
- This site is exempt from the Forest Conservation Ordinance in accordance with 16.1202(b) of Howard County Code with a planned unit development which has preliminary development plan approval and 50% or more of the land is recorded and substantially developed before December 31, 1992.
- Contractor to connect roof drains to storm drain system, except as noted.
- Contractor to sod all areas within 10' of proposed building. All other areas to be seeded and mulched.
- Proposed water and sewer service to be public.
- Stormwater Management in accordance with 2000 Maryland Stormwater Management Manual. Cpy. is provided by regional pond located offsite. Rev and Wqy provided by Bioretention areas onsite for proposed buildings including future connector building and the adjacent parking.
- Any increase in impervious area, more than the allowed 1.59 acres, will require a new stormwater management design. The new design will be done in accordance with the current requirements at that time.
- Water meters are located inside buildings. See architectural plans for details.
- Handicap accessible entrances located in front of buildings only to have a minimum 5' level section with 2% maximum slope.
- A reciprocal shared access, parking and maintenance agreement has been recorded in the Land Records of Howard County, concurrently with the plat at Liber 2851, Folio 467, granting the owners/users of Parcels F2, F3, and F4 the right to access for any area of this easement and use of all parking spaces on Parcel F5.

22. Approval of plan by Planning Board included reductions to required setbacks as shown on this plan and outlined in the Staff Report.

23. DUE TO PARKING REQUIREMENTS, DAYCARE OPERATIONS WILL NOT OCCUR AT THE SAME TIME AS CHURCH SERVICES.

24. A DAY CARE IS PERMITTED AS AN ACCESSORY USE TO THE PRINCIPAL RELIGIOUS FACILITY USE ON INT-ZONED, OPEN SPACE LAND USE AREA.

25. PLAYGROUND AREA FENCE MAY NOT EXCEED 8' IN HEIGHT IF SOLID OR 5' IN HEIGHT IF OPEN.



ST. MATTHEWS CHURCH  
NOT TO SCALE

CORNERSTONE CHURCH OF GOD  
NOT TO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Chad Damann* 3/11/03  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Cindy Hamlet* 3/14/03  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*Marsha M. Layler* 3/14/03  
DIRECTOR DATE

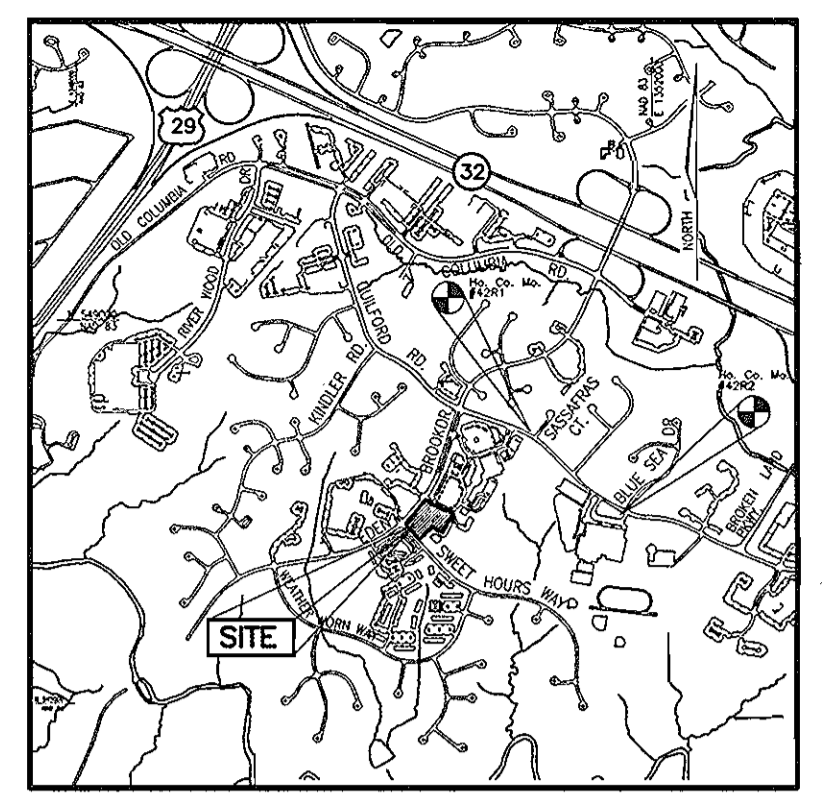
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER DATE

# SITE DEVELOPMENT PLAN

## KINGS CONTRIVANCE INTERFAITH CAMPUS



VICINITY MAP  
SCALE: 1"=2000'

**BENCHMARKS**

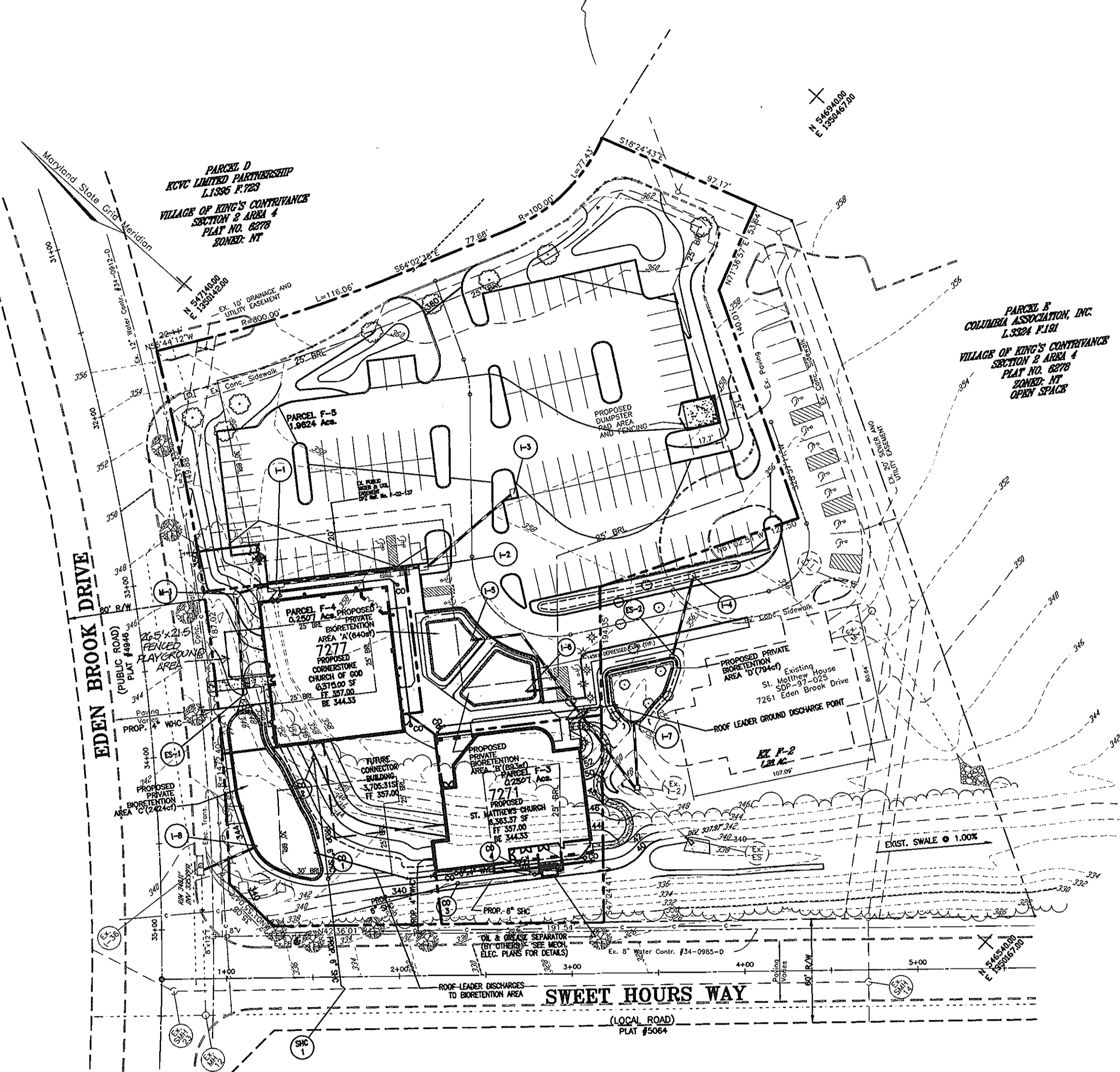
HOWARD COUNTY MONUMENT #42R1  
N 547820.221 E 1351171.573  
ELEV. 376.563  
REBAR & CAP - 3.1' FROM NORTH EDGE GUILDFORD RD., 50'± WEST OF SASSAFRAS CT.

HOWARD COUNTY MONUMENT #42R2  
N 546,946.783 E 1352118.583  
ELEV. 332.188  
REBAR AND CAP - SOUTH SIDE OF GUILDFORD RD. @ S.W. CORNER OF EXIT ROAD FOR HAMMOND H.S.

NOTE:  
HORIZONTAL CONTROL IS IN NAD83.  
VERTICAL CONTROL IS IN NGVD29.

**LEGEND**

Existing Contour  
Proposed Contour  
Spot Elevation  
Direction of Flow



LOCATION MAP  
SCALE: 1"= 50'

**PARKING TABULATION**

**PARKING REQUIRED**  
165 SEATS PER CHURCH BLDG:  
330 TOTAL SEATS @ 1 SPC/3 SEATS= 110 SPCS

**PARKING PROVIDED**  
INCLUDING: 6 HANDICAP SPCS

111 SPCS

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: July 10, 2002

NO.	REVISION	DATE
1	REVISED BUILDING DIMENSIONS	09-30-02
2	ADD PLAYGROUND AND DAYCARE USE NOTES	1-7-03

**OWNER/DEVELOPER**  
KINGS CONTRIVANCE INTERFAITH CAMPUS, INC.  
10771 BREDLEREIN TERRACE  
COLUMBIA, MARYLAND 21044  
(410) 418-8077  
CONTACT: FR. RAY VELENCIA, PRESIDENT

ADDRESS CHART	
LOT/PARCEL#	STREET ADDRESS
F-3	7271 Edin Brook Drive, Columbia, MD 21046
F-4	7277 Edin Brook Drive, Columbia, MD 21046

PERMIT INFORMATION CHART			
SUBDIVISION NAME	SECTION/AREA	PARCEL NUMBER	
Village of Kings Contrivance	2/4	F-3, F-4, F-5	
DEED REF.	BLOCK NO.	ZONE	TAX/ZONE
Plot # 15393	7	NEW TOWN	42
ELECT. DIST.		CENSUS TR.	
6th		6068.01	
WATER CODE: E16		SEWER CODE: 6340000	

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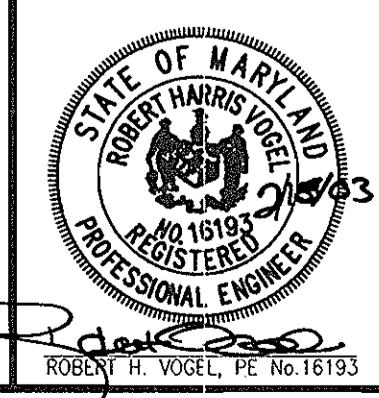
**SITE DEVELOPMENT PLAN COVER SHEET**

**KINGS CONTRIVANCE INTERFAITH CAMPUS**  
PARCELS F-3, F-4 AND F-5  
A RESUBDIVISION OF PARCEL F-1  
VILLAGE OF KINGS CONTRIVANCE

TAX MAP 42, GRID 7  
6TH ELECTION DISTRICT

PARCEL 482  
HOWARD COUNTY, MARYLAND

**FREDERICK WARD ASSOCIATES, INC.**  
ENGINEERS 7125 Riverwood Drive Columbia, Maryland 21046-2354  
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SURVEYORS Bel Air, Maryland Columbia, Maryland Warrenton, Virginia



DESIGN BY: CLS  
DRAWN BY: JNA  
CHECKED BY: MMR  
DATE: FEB. 6, 2003  
SCALE: 1"=100'  
W.D. NO.: 2017138

REF: F-02-137

1 SHEET OF 12