

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROP. STORM DRAIN
	EXISTING STORM DRAIN
	PROP. PAVING
	PROP. CONCRETE WALK
	EXISTING TREE

SITE ANALYSIS DATA CHART	
1. GENERAL SITE DATA	
A. PRESENT ZONING:	NEW TOWN AS PER 10/18/93 COMPREHENSIVE PLAN
B. APPLICABLE DPZ FILE REFERENCES:	F-85-114, F-96-181
C. PROPOSED USE OF SITE OR STRUCTURE(S):	RESIDENCE FOR AGED AND GROUP CARE FACILITY FOR 15 ADULTS
D. PROPOSED WATER AND SEWER SYSTEMS:	<input checked="" type="checkbox"/> PUBLIC <input type="checkbox"/> PRIVATE
E. ANY OTHER INFORMATION WHICH MAY BE RELEVANT:	
2. AREA TABULATION	
A. TOTAL PROJECT AREA:	1.28 ACRES
B. NET AREA OF SITE:	1.28 ACRES
C. AREA OF THIS PLAN SUBMISSION:	1.28 ACRES
D. LIMIT OF DISTURBED AREA:	1.1 AC.
E. BUILDING COVERAGE OF SITE:	0.16 ACRES AND 12.5% OF GROSS AREA (PERMITTED)
3. UNIT/LOT TABULATION	
A. TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS ALLOWED FOR PROJECT:	N/A
B. TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS PROPOSED ON THIS SUBMISSION:	N/A
C. DENSITY OF PROJECT PER NET ACRE:	NOT APPLICABLE
D. TOTAL NUMBER OF NON-RESIDENTIAL LOTS/PARCELS ON THIS SUBMISSION:	N/A
E. OVERALL TOTAL NUMBER OF LOTS/PARCELS ON THIS SUBMISSION:	TWO
F. OTHER:	
4. OPEN SPACE DATA	
A. OPEN SPACE ON SITE:	1.1 ACRES (87.5% OF GROSS AREA)
B. AREA OF RECREATION OPEN SPACE REQUIRED BY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS:	ACRES REQUIRED: N/A ACRES PROVIDED: N/A
C. OTHER:	
5. PARKING SPACE DATA	
A. NUMBER OF PARKING SPACES REQUIRED:	5
B. NUMBER OF HANDICAP SPACES REQUIRED:	0
C. TOTAL NUMBER OF PARKING SPACES REQUIRED:	5
D. NUMBER OF PARKING SPACES PROVIDED:	5
E. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED:	0
F. TOTAL NUMBER OF PARKING SPACES PROVIDED:	5

- GENERAL NOTES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
 - ANY DAMAGE TO PUBLIC RIGHT-OF-WAY, PAVING OR EXISTING UTILITIES WILL BE CORRECTED AT THE EXPENSE OF CONTRACTOR.
 - ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
 - THE LAND INCLUDED IN THIS PLAN IS ZONED: NEW TOWN DISTRICT.
 - THE AREA SHOWN IN THIS SUBMISSION IS LOCATED ON ZONE MAP # 42 P/O PARCEL 482
 - TYPE OF SOIL: GP2 - CHESTER GRAVELLY SILT LOAM
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 782-7272
 - THE LOCATION OF EXISTING UTILITIES IS BASED ON BEST AVAILABLE INFORMATION. THE CONTRACTOR MUST CHECK ALL UTILITIES BY TEST PIT BEFORE THE START OF CONSTRUCTION.
 - FILE REFERENCE FOR PREVIOUSLY APPROVED SITE DEVELOPMENT PLANS AND PRIOR SUBMISSIONS: (1), F-85-114
 - REGIONAL STORM WATER MANAGEMENT FACILITY FOR THIS SITE IS LOCATED APPROXIMATELY 600 FEET SOUTH EAST AND ON THE NORTH SIDE OF SWEET HOURS WAY. ON SITE STORM WATER QUALITY IS PROVIDED BY STORMCEPTOR INSTALLATION.
 - ALL SETBACKS SHOWN ON THIS PLAN AND BULK REQUIREMENTS ARE AS REQUIRED BY FDP PHASE 178-A-II, PART IV, 3054A (65K-1661)
 - THE USE IN COMMON EASEMENT FOR ACCESS TO LOTS F-1 AND F-2 ARE RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, PLAT NO. 12376
 - SIDEWALK CONSTRUCTION ALONG THE ACCESS DRIVE SHALL BE REQUIRED AS PART OF THE DEVELOPMENT OF PARCEL F-2.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd 9/29/97
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Chad Hamilton 9/29/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Joseph S. Kutha 9/14/97
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

3 1/2" x 3 1/2" APPROVAL BLOCK

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE: 9/16/97
CAF

DESIGNED BY:	DATE:
KP	1/97
DRAWN BY:	DATE:
CJC	1/97
CHECKED BY:	DATE:
DVK	1/97
APPROVED BY:	DATE:
DVK	1/97

REVISIONS		
DATE	BY	DESCRIPTION
4-27-98	KAP	REVISED DRIVEWAY, SIDEWALK, GRASS ISLAND, STORM DRAIN AND INLET, GRADING, H.C. SIGN LOCATION AND PROVIDED CURBS. REVISE VIC EASEMENT.

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
ENGINEERS * PLANNERS * SURVEYORS

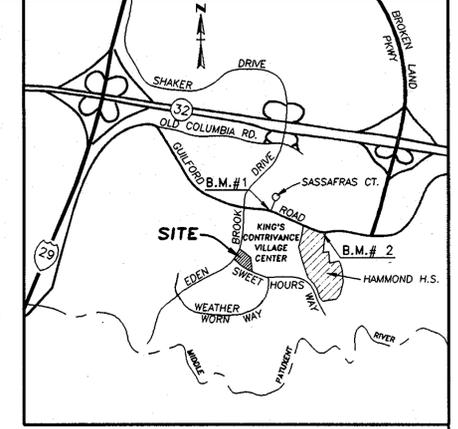
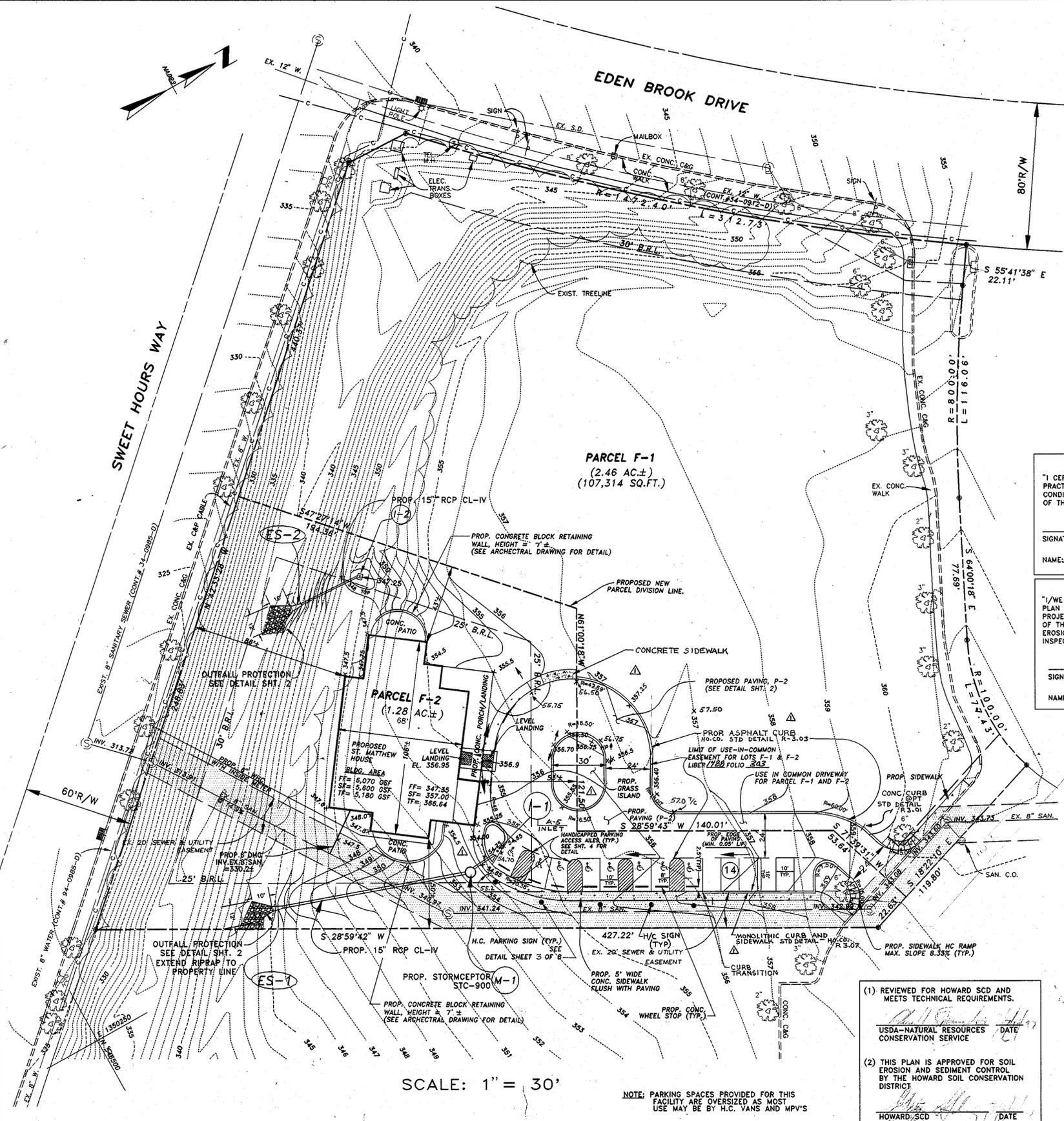
3458 ELLICOTT CENTER DRIVE SUITE 101
ELLICOTT CITY, MARYLAND 21043
BALTO. 461-9920 WASH. 621-4690
FAX 750-8565



OWNER: THE ROUSE COMPANY
10275 LITTLE PATUXENT PKWY.
COLUMBIA, MARYLAND 21044
PHONE: (410) 992-6000

DEVELOPER: THE ENTERPRISE CONSTRUCTION CORP.
10227 WINGOPIN CIRCLE, SUITE 810
COLUMBIA, MARYLAND 21044
PHONE: (410) 964-0552

SITE DEVELOPMENT PLAN			
ST. MATTHEW HOUSE PROJECT COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 2 AREA 4 PARCEL "F-2"			
SCALE: AS SHOWN	CONTRACT NO.: 96203.10	DATE: 1/97	SHEET: 1 OF 8



BENCH MARKS

B.M.#1 ELEV. 376.52
HO. CO. #421
REBAR & CAP - 3.1' FROM NORTH EDGE OF GUILFORD RD., 50% WEST OF SASSAFRAS CT.

B.M.#2 ELEV. 332.126
HO. CO. #422
REBAR & CAP - SOUTH SIDE OF GUILFORD RD. @ S.W. CORNER OF EXIT ROAD @ HAMMOND H.S.

HORIZONTAL AND VERTICAL CONTROL IS IN NAD83.

VICINITY MAP
SCALE: 1" = 2000'

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 COUNTY SOIL CONSERVATION DISTRICT"

D. Vir Kathuria 7/14/97
SIGNATURE OF ENGINEER DATE

NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT 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 SEDIMENT EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

B. Etheridge 7/14/97
SIGNATURE OF DEVELOPER DATE

NAME: BEN ETHERIDGE

SHEET INDEX	
SHEET NO.	TITLE
1 OF 8	SITE DEVELOPMENT PLAN
2 OF 8	NOTES AND DETAILS
3 OF 8	STORMCEPTOR DETAIL, STORM DRAIN PROFILE AND NOTES
4 OF 8	STORMCEPTOR NOTES
5 OF 8	DRAINAGE AREA MAP
6 OF 8	EROSION AND SEDIMENT CONTROL PLAN
7 OF 8	SEDIMENT CONTROL NOTES AND DETAILS
8 OF 8	LANDSCAPE PLAN AND DETAILS

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
PARCEL F-2	7251 EDEN BROOK DRIVE

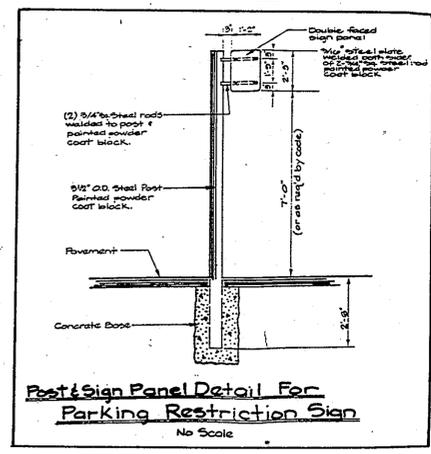
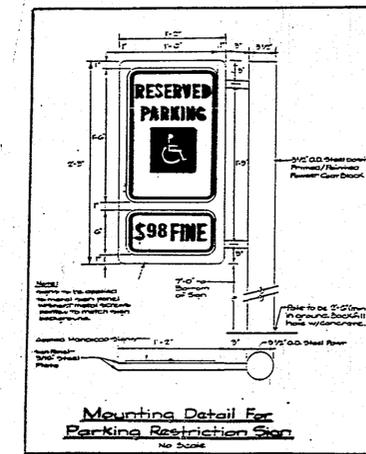
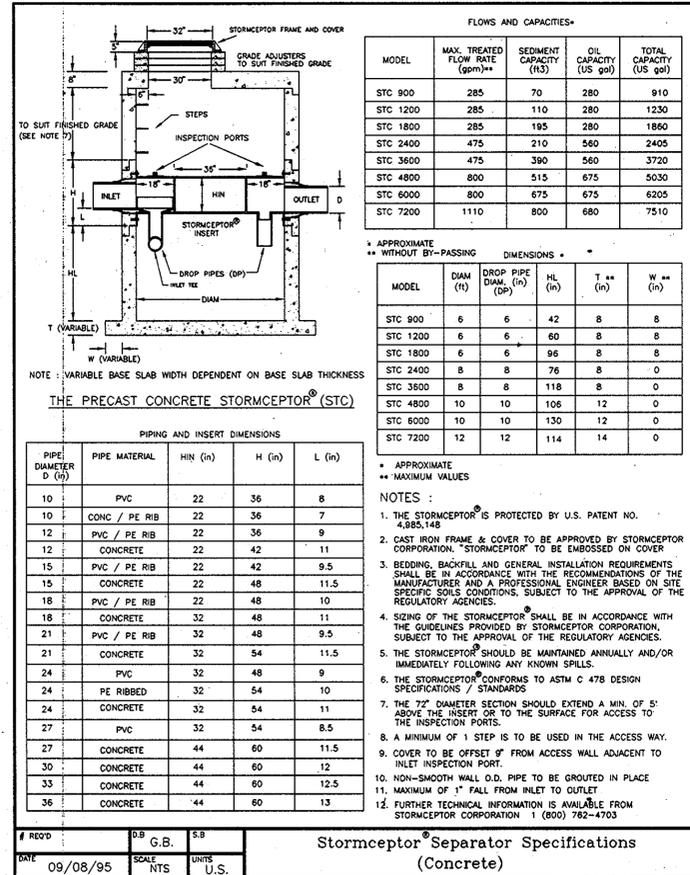
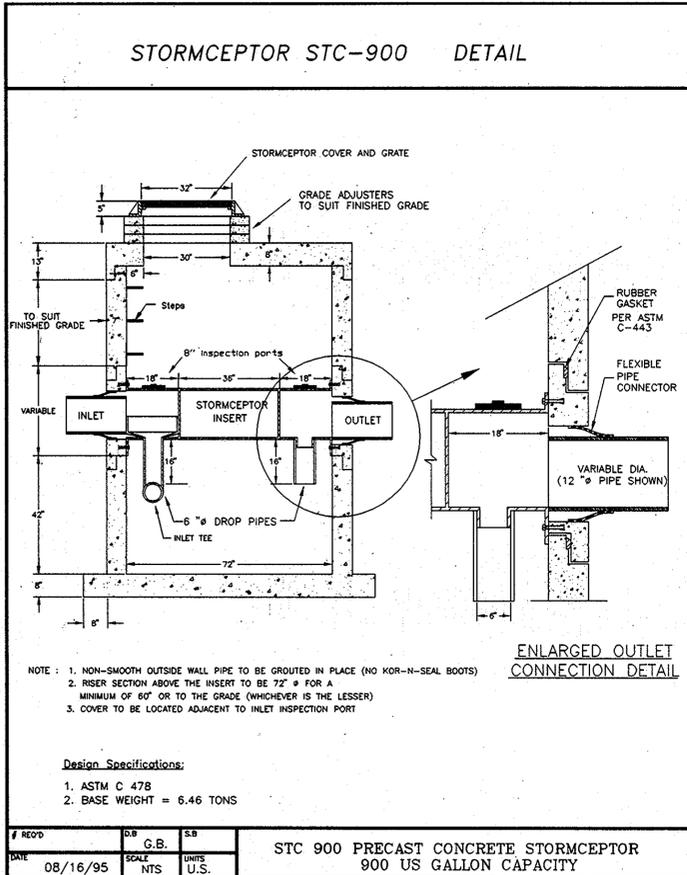
(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE: 9/11/97

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT

HOWARD SCD DATE: 9/11/97

PERMIT INFORMATION CHART				
Subdivision Name:	Section/Area:	Parcel:		
VILLAGE OF KINGS CONTRIVANCE	2/4	F-2		
Plot # or L/P/Block #	Zone	Tax/Zone Map	Elect. Dist.	Census Tract
12376	13	NT	42	6068.01
Water Code	Sewer Code			



FLows AND CAPACITIES

MODEL	MAX. TREATED FLOW RATE (gpm)**	SEDIMENT CAPACITY (ft ³)	OIL CAPACITY (US gal)	TOTAL CAPACITY (US gal)
STC 900	285	70	280	910
STC 1200	285	110	280	1230
STC 1800	285	195	280	1860
STC 2400	475	210	560	2405
STC 3600	475	390	560	3720
STC 4800	800	515	675	5030
STC 6000	800	675	675	6205
STC 7200	1110	800	680	7510

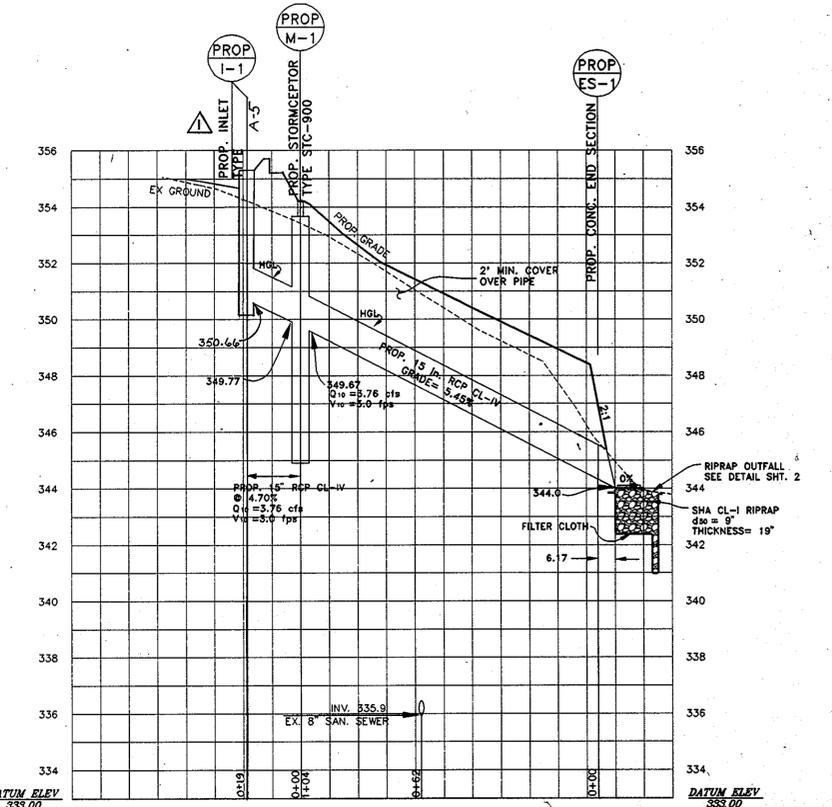
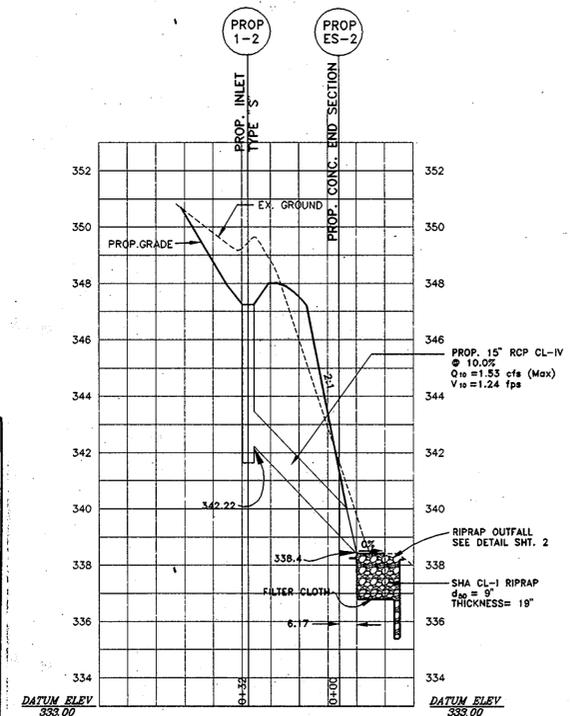
* APPROXIMATE
 ** WITHOUT BY-PASSING DIMENSIONS *

MODEL	DIAM (in)	DROP PIPE DIAM. (in)	HL (in)	T ** (in)	W ** (in)
STC 900	6	6	42	8	8
STC 1200	6	6	60	8	8
STC 1800	6	6	96	8	8
STC 2400	8	8	76	8	0
STC 3600	8	8	118	8	0
STC 4800	10	10	106	12	0
STC 6000	10	10	130	12	0
STC 7200	12	12	114	14	0

NOTES:
 1. THE STORMCEPTOR® IS PROTECTED BY U.S. PATENT NO. 4,985,148
 2. CAST IRON FRAME & COVER TO BE APPROVED BY STORMCEPTOR CORPORATION. "STORMCEPTOR" TO BE EMBOSSED ON COVER
 3. BEDDING, BACKFILL AND GENERAL INSTALLATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER AND A PROFESSIONAL ENGINEER BASED ON SITE SPECIFIC SOIL CONDITIONS, SUBJECT TO THE APPROVAL OF THE REGULATORY AGENCIES.
 4. SIZING OF THE STORMCEPTOR SHALL BE IN ACCORDANCE WITH THE GUIDELINES PROVIDED BY STORMCEPTOR CORPORATION, SUBJECT TO THE APPROVAL OF THE REGULATORY AGENCIES.
 5. THE STORMCEPTOR SHOULD BE MAINTAINED ANNUALLY AND/OR IMMEDIATELY FOLLOWING ANY KNOWN SPILLS.
 6. THE STORMCEPTOR CONFORMS TO ASTM C 478 DESIGN SPECIFICATIONS / STANDARDS
 7. THE 7" DIAMETER SECTION SHOULD EXTEND A MIN. OF 5' ABOVE THE INSERT OR TO THE SURFACE FOR ACCESS TO THE INSPECTION PORTS.
 8. A MINIMUM OF 1 STEP IS TO BE USED IN THE ACCESS WAY.
 9. COVER TO BE OFFSET 1/2" FROM ACCESS WALL ADJACENT TO INLET INSPECTION PORT.
 10. NON-SMOOTH WALL O.D. PIPE TO BE GROUDED IN PLACE
 11. MAXIMUM OF 1" FALL FROM INLET TO OUTLET
 12. FURTHER TECHNICAL INFORMATION IS AVAILABLE FROM STORMCEPTOR CORPORATION 1 (800) 762-4703

STRUCTURE SCHEDULE

NO.	STRUCTURE	TYPE	INV. IN	INV. OUT	TOP EL.	STD. DETAIL	REMARKS
-1	I-1	A-5 INLET	-	350.66	355.30	SD-4.01	
2	I-2	"S" INLET	-	342.22	347.25	SD-4.22	
3	M-1	STC 900	349.77	349.67	354.20	SEE DETAIL	STORMCEPTOR
4	ES-1	END SEC	-	344.00	-	SD-5.51	
5	ES-2	END SEC	-	338.40	-	SD-5.51	



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT

Donna M. DeLong 9-2-97
 COUNTY HEALTH OFFICER HR DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 7/14/97
 CHIEF, DEVELOPMENT ENGINEERING DIVISION/MK DATE

[Signature] 7/14/97
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 9/14/97
 DIRECTOR DATE

3 1/2" x 3 1/2" APPROVAL BLOCK

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY

DATE 1/16/97
 CCH

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 7/14/97
 USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

[Signature] 7/14/97
 HOWARD SCD DATE

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 COUNTY SOIL CONSERVATION DISTRICT"

[Signature] 7/14/97
 SIGNATURE OF ENGINEER DATE

NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT 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 SEDIMENT EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

[Signature] 7/14/97
 SIGNATURE OF DEVELOPER DATE

NAME: BEN ETHERIDGE

DESIGNED BY: KP 1/97
 DATE

DRAWN BY: CJC 1/97
 DATE

CHECKED BY: DVK 1/97
 DATE

APPROVED BY: DVK 1/97
 DATE

REVISIONS

DATE	BY	DESCRIPTION
4-27-98	KAP	REVISED STORM DRAIN, INLET AND STRUCTURE SCHEDULE. ADDED NEW HC SIGN DETAILS.

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.

ENGINEERS * PLANNERS * SURVEYORS

3458 ELLICOTT CENTER DRIVE SUITE 101
 ELLICOTT CITY, MARYLAND 21043
 BALTO. 461-9920 WASH. 621-4890
 FAX 750-8565



OWNER: THE ROUSE COMPANY
 10275 LITTLE PATUXENT PKWY.
 COLUMBIA, MARYLAND 21044
 PHONE: (410) 992-6000

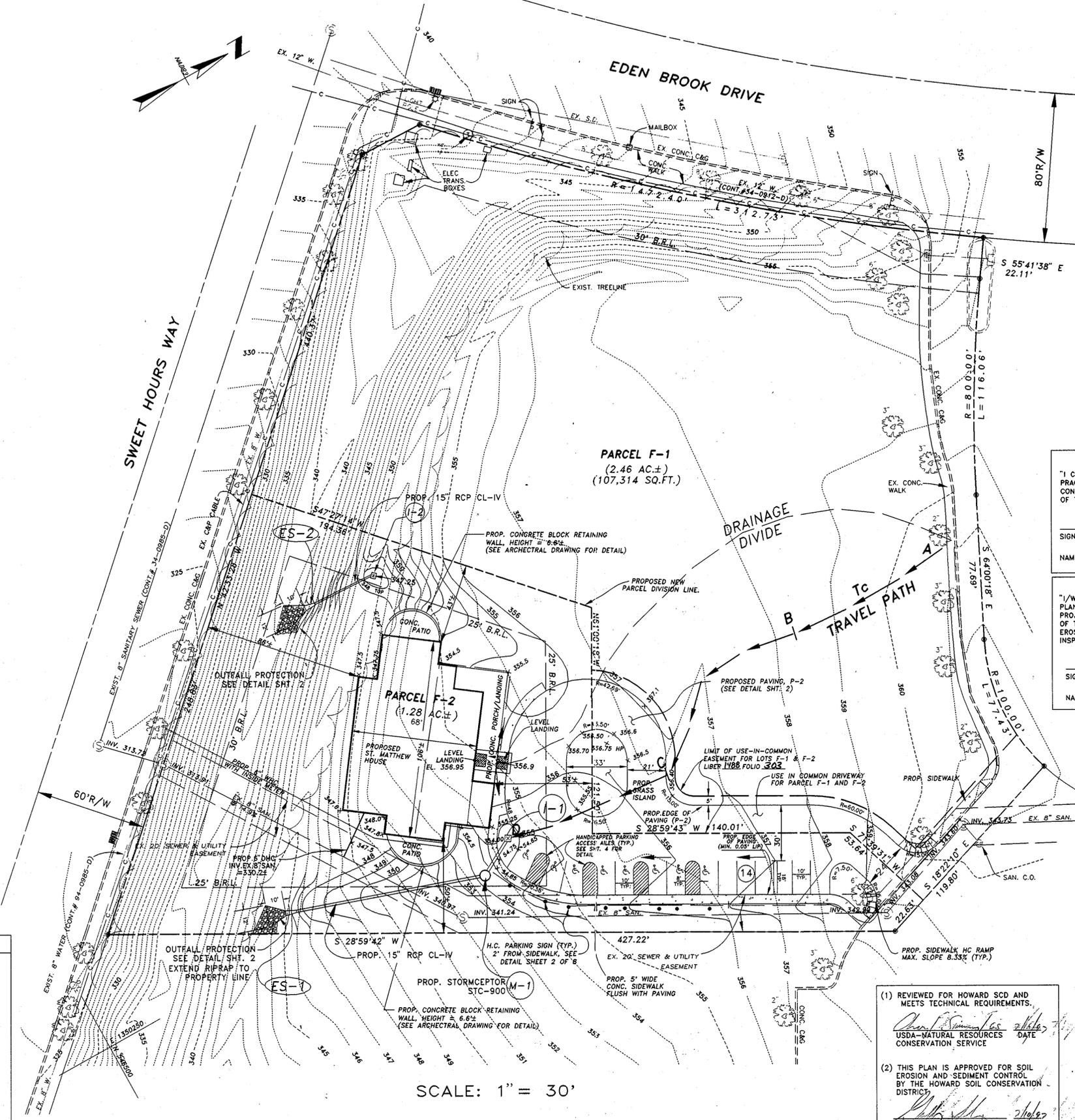
DEVELOPER: THE ENTERPRISE CONSTRUCTION CORP.
 10227 WINCOPIN CIRCLE, SUITE 810
 COLUMBIA, MARYLAND 21044
 PHONE: (410) 964-0552

STORMCEPTOR DETAIL, S.D. PROFILE & NOTES

ST. MATTHEW HOUSE PROJECT
 COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 2 AREA 4
 PARCEL F-2

SCALE: AS SHOWN CONTRACT NO.: 96203.10 DATE: 1/97 SHEET: 3 OF 8

SDP 97-25



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 COUNTY SOIL CONSERVATION DISTRICT.

D. Vir Kathuria
 SIGNATURE OF ENGINEER 7/14/97
 DATE
 NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

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Ben Etheridge
 SIGNATURE OF DEVELOPER 7/14/97
 DATE
 NAME: BEN ETHERIDGE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT

Sergey M. Bychkov, Sr.
 COUNTY HEALTH OFFICER 9-2-97
 M.R. DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Michael M. Hamstra
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MK 7/16/97
 DATE

Charles Hamstra
 CHIEF, DIVISION OF LAND DEVELOPMENT 9/2/97
 DATE

David R. Smith
 DIRECTOR 9/4/97
 DATE

3 1/2' x 3 1/2' APPROVAL BLOCK

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY

DATE: 1-16-97
 C.H.

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

David R. Smith
 HOWARD SCD 7/16/97
 DATE

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

D. Vir Kathuria
 HOWARD SCD 7/16/97
 DATE

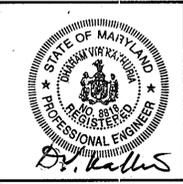
DESIGNED BY:		DATE	
KP	1/97		
DRAWN BY:		DATE	
CJC	1/97		
CHECKED BY:		DATE	
DVK	1/97		
APPROVED BY:		DATE	
DVK	1/97		

REVISIONS		
DATE	BY	DESCRIPTION

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.

ENGINEERS * PLANNERS * SURVEYORS

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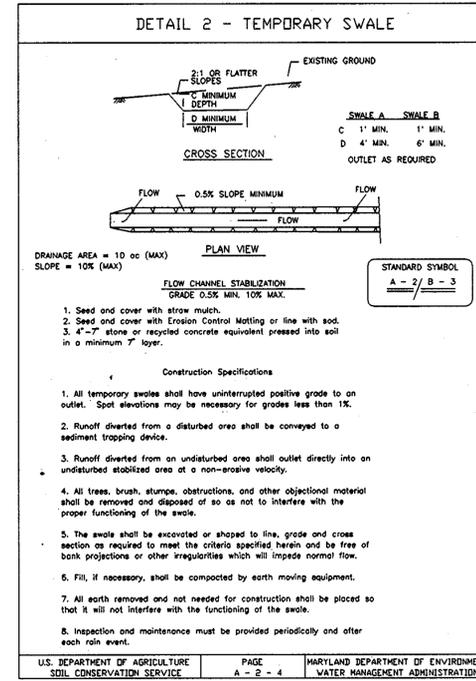
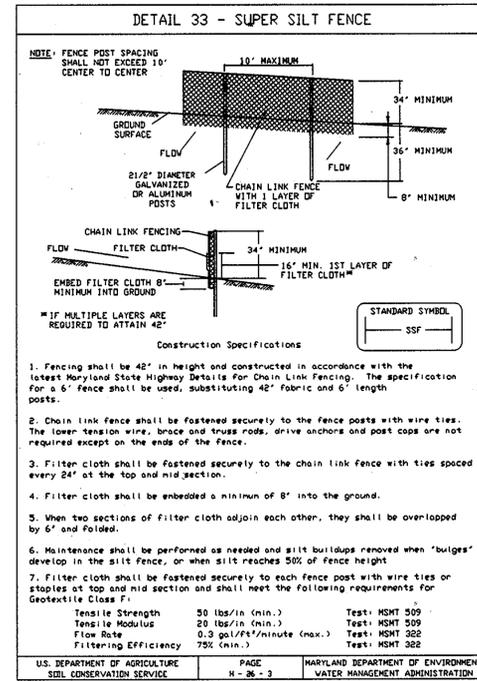
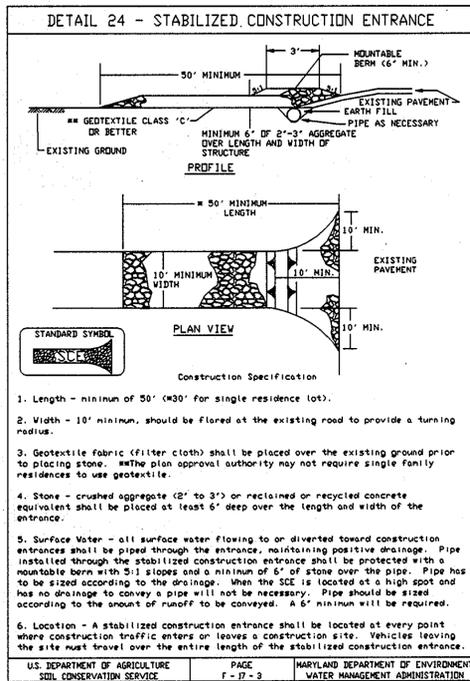
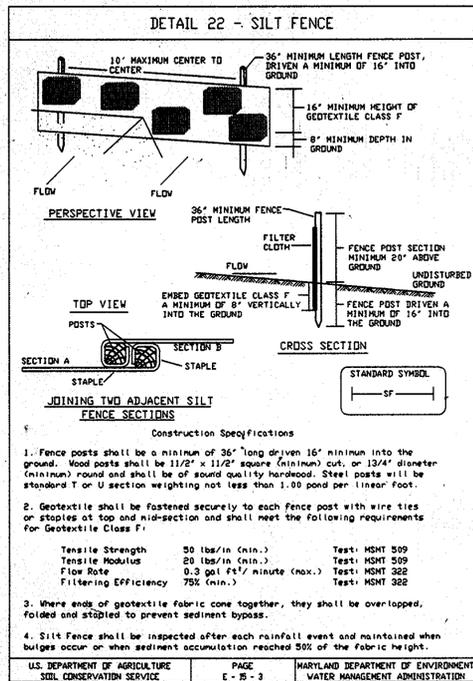
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 PHONE: (410) 992-6000

DEVELOPER: THE ENTERPRISE CONSTRUCTION CORP.
 10227 WINCOPIN CIRCLE, SUITE 810
 COLUMBIA, MARYLAND 21044
 PHONE: (410) 964-0552

DRAINAGE AREA MAP

ST. MATTHEW HOUSE PROJECT
 COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 2 AREA 4
 PARCEL "F-2"

SCALE: AS SHOWN CONTRACT NO.: 96203.10 DATE: 1/97 SHEET: 5 OF 9



HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction. (313-1855).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- 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 as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must 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 seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done 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	1.28	Acres
Area Disturbed	1.10	Acres
Area to be seeded or paved	0.53	Acres
Area to be vegetatively stabilized	0.57	Acres
Total Cut	1200	Cu. Yds.
Total Fill	100	Cu. Yds.

 Offsite waste/borrow area location: WILL HAVE ACTIVE GRADING PERMIT (Location unknown at this time)
- 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 control must be provided, if deemed necessary by the Howard County 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 earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT 1 DAY
- CLEAR AND GRUB THE MINIMUM AREA REQUIRED TO INSTALL SEDIMENT CONTROL MEASURES 1 DAYS
- INSTALL ALL THE SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN INCLUDING STONE CONSTRUCTION ENTRANCE 2 DAYS
- INSTALL THE TREE PROTECTION FENCE FOR THE EXISTING TREES AT THE ENTRANCE AS SHOWN ON LANDSCAPE PLAN 1 DAYS
- CONSTRUCT A 15" DRAIN PIPE AND STRUCTURES 1-2 AND ES-2 AS SHOWN ON THE PLAN AT WEST SIDE OF THE PROPERTY AND IMMEDIATELY STABILIZE THE DISTURBED AREA WITH SEED AND MULCH. THIS PIPE SHALL BE USED TO DRAIN CLEAR WATER DIVERTED FROM THE TEMPORARY SWALE 4 DAY
- CLEAR AND GRUB THE REMAINING AREA WITHIN LIMITS OF DISTURBANCE AND GRADE THE SITE AS SHOWN ON PLAN 1 WEEKS
- CONSTRUCT PARKING LOT, SIDEWALKS, AND STORMDRAINS 3 WEEKS
- CONSTRUCT BUILDING, CONCRETE PATIO AND PORCH 2 MONTHS
- FINE GRADE THE SITE AND STABILIZE ALL DISTURBED AREA WITH PERMANENT VEGETATION 2 DAYS
- REMOVE ALL SEDIMENT CONTROL MEASURES UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR AND STABILIZE THE AFFECTED AREA WITH PERMANENT VEGETATION 1 DAY

HOWARD SOIL CONSERVATION DISTRICT

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.))
- Acceptable - Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding: For the periods March 1 - April 30, and August 1 - October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 - July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 15 - February 28, protect site by: Option 1 - Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2 - Use sod. Option 3 - Seed with 60 lbs/acre Kentucky 30 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

Maintenance: Inspect all seeding areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be re-distributed where a short-term vegetative cover is needed.

Seeded preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.)

Seeding: For periods March 1 - April 30 and from August 15 - October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1 - August 14, seed with 3 lbs/acre of weeping lovegrass (.07 lbs/1000 sq. ft.). For the period November 15 - February 28, protect site by applying 2 tons/acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons/acre (70 to 90 lbs/1000 sq. ft.) of unrotted weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 348 gal. per acre (8 gal/1000 sq. ft.) for anchoring.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

James M. Boyd 7-2-97
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Michael J. ... 7/16/97
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK DATE

Charles Hamilton 9/2/97
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

James ... 9/18/97
DIRECTOR DATE

3 1/2" x 3 1/2" APPROVAL BLOCK

APPROVED
PLANNING BOARD
of HOWARD COUNTY

DATE: 1/16/97

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

Cheryl ... 7/16/97
USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

... 7/16/97
HOWARD SCD DATE

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 COUNTY SOIL CONSERVATION DISTRICT"

D. Vir Kathuria 7/14/97
SIGNATURE OF ENGINEER DATE

NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT 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 SEDIMENT EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

B. Etheridge 7/14/97
SIGNATURE OF DEVELOPER DATE

NAME: BEN ETHERIDGE

DESIGNED BY:	DATE:	DATE:	BY:	DESCRIPTION:
KP	1/97			
CJC	1/97			
DVK	1/97			
DVK	1/97			

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.

ENGINEERS * PLANNERS * SURVEYORS

345B ELLICOTT CENTER DRIVE SUITE 101
ELLICOTT CITY, MARYLAND 21043

BALTO. 461-9920 WASH. 621-4690
FAX 750-8565

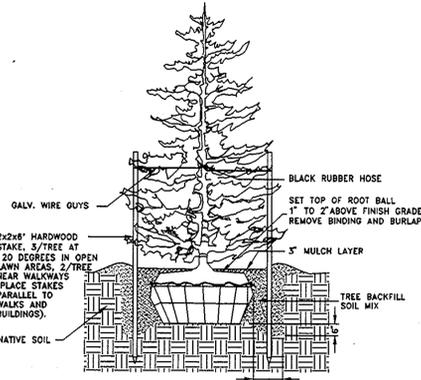


OWNER: THE ROUSE COMPANY
10275 LITTLE PATUXENT PKWY.
COLUMBIA, MARYLAND 21044
PHONE: (410) 992-6000

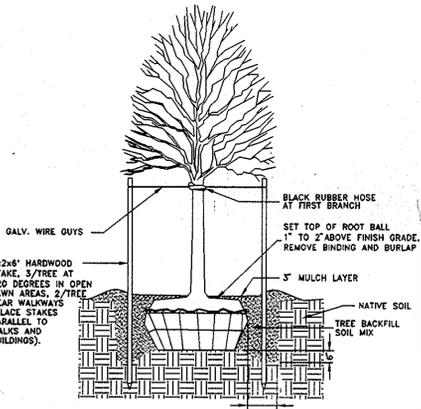
DEVELOPER: THE ENTERPRISE CONSTRUCTION CORP.
10227 WINCOPIN CIRCLE, SUITE 810
COLUMBIA, MARYLAND 21044
PHONE: (410) 964-0552

SEDIMENT CONTROL NOTES AND DETAILS			
ST. MATTHEW HOUSE PROJECT COLUMBIA VILLAGE OF KINGS CONTRIVANCE SECTION 2 AREA 4 PARCEL F-2			
SCALE: AS SHOWN	CONTRACT NO.: 96203.10	DATE: 1/97	SHEET: 7 OF 8

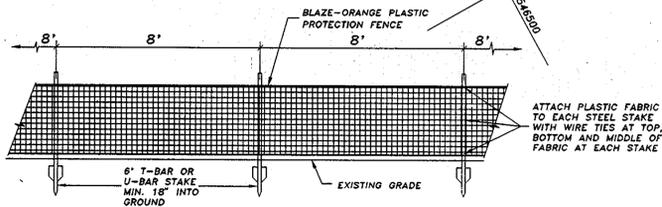
MARK	SPECIES	QUANTITY	SIZE	ROOT	REMARKS
CC	CERCIS CANADENSIS REDBUD	6	2" CAL.	3&B	HEAVY BRANCHING
PD	PICEA DORICA SERBIAN SPRUCE	1	8"	3&B	SPECIMEN
PS	PINUS STROBUS WHITE PINE	9	6"	3&B	HEAVY BRANCHING
PSK	PRUNUS SERRULATA 'K'VANZAN' 'K'VANZAN' CHERRY	8	2" CAL.	3&B	HEAVY BRANCHING
TC	TILLIA CORDATA 'GREENSPIRE' GREENSPIRE LITTLELEAF LINDEN	14	2-1/2" CAL.	3&B	HEAVY BRANCHING



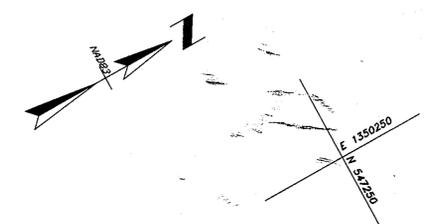
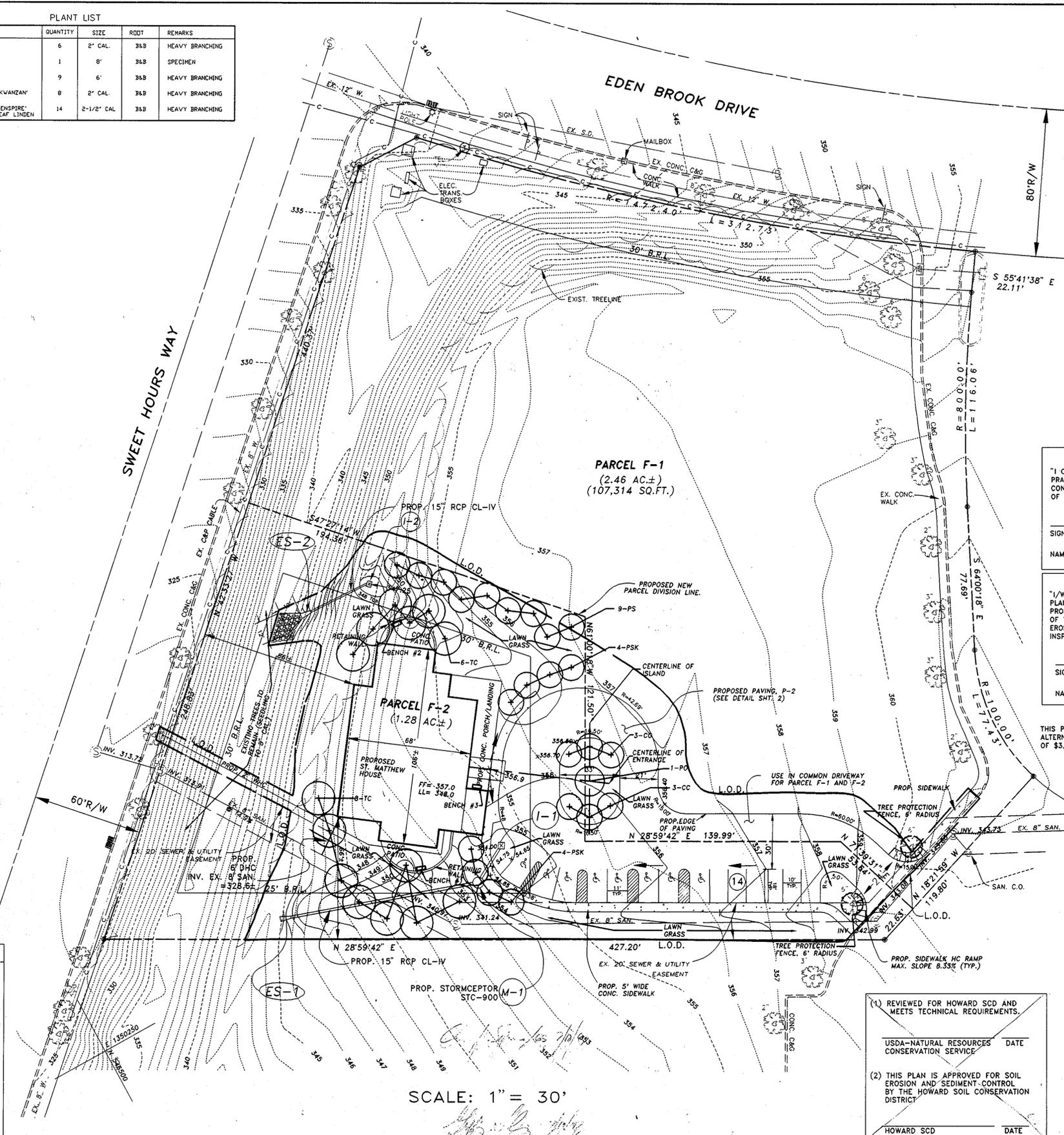
1 TYPICAL EVERGREEN TREE PLANTING DETAIL
NO SCALE



2 TYPICAL CANOPY TREE PLANTING DETAIL
NO SCALE



3 TYPICAL TREE PROTECTION FENCE DETAIL
NO SCALE



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 COUNTY SOIL CONSERVATION DISTRICT.
 SIGNATURE OF ENGINEER: *D. Vir Kathuria* DATE: 7/14/97
 NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION
 I/WE CERTIFY THAT ALL DEVELOPMENT 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 SEDIMENT EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 SIGNATURE OF DEVELOPER: *Ben Etheridge* DATE: 7/14/97
 NAME: BEN ETHERIDGE

LANDSCAPE SURETY
 THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF THE NEW TOWN ALTERNATIVE COMPLIANCE FINANCIAL SURETY FOR THE REQUIRED 38 TREES IN THE AMOUNT OF \$3,800.00 WILL BE PART OF THE DEVELOPER'S GRADING PERMIT APPLICATION.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *John M. ...* DATE: 9/2/97
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION: *...* DATE: 7/14/97
 CHIEF, DIVISION OF LAND DEVELOPMENT: *...* DATE: 9/6/97
 DIRECTOR: *...* DATE: 9/14/97

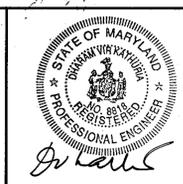
3 1/2" x 3 1/2" APPROVAL BLOCK
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 1/16/97
CAH

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
 USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE: _____
 (2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SCD DATE: _____

LANDSCAPE NOTES:
 HRD CATEGORY - COMMERCIAL 0-3 AC, SEMI-WOODED
 28 SHADE TREES REQUIRED (25% MUST BE FLOWERING OR EVERGREEN @ 2'/SHADE TREE)
 PROVIDED: 14 SHADE TREES @ 2-1/2" CAL. = 14 SHADE TREES
 10 EVERGREEN TREES @ 8" = 5 SHADE TREES
 14 FLOWERING TREES @ 2" CAL. = 7 SHADE TREES
 EQUIVALENT OF 26 SHADE TREES
 RONALD A. STUP, LANDSCAPE ARCHITECT
 MD LICENSE #401

DESIGNED BY:	DATE:	DATE:	BY:	DESCRIPTION:
RAS	1/97			
DRAWN BY:	1/97			
CHECKED BY:	1/97			
APPROVED BY:	1/97			

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 FAX 750-8563



OWNER: THE ROUSE COMPANY
 10275 LITTLE PATUXENT PKWY.
 COLUMBIA, MARYLAND 21044
 PHONE: (410) 992-6000
DEVELOPER: THE ENTERPRISE CONSTRUCTION CORP.
 10227 WINCOPIN CIRCLE, SUITE 810
 COLUMBIA, MARYLAND 21044
 PHONE: (410) 964-0552

LANDSCAPE PLAN AND DETAILS
 ST. MATTHEW HOUSE PROJECT
 COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE
 SECTION 2 AREA 4
 PARCEL "F-2"
 SCALE: AS SHOWN CONTRACT NO.: 96203.10 DATE: 1/97 SHEET: 8 OF 8

SDP-97-25