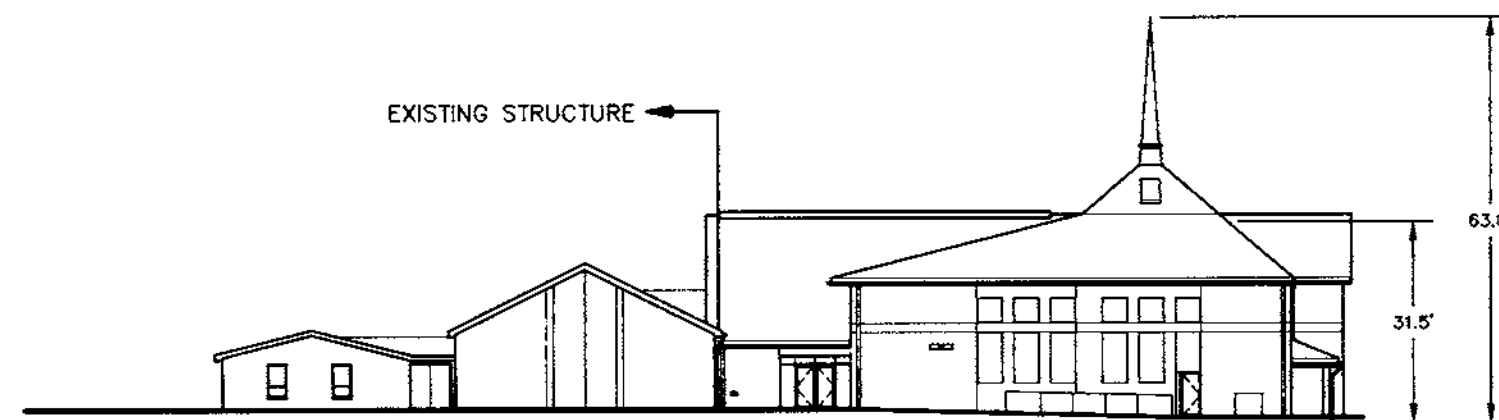


SHEET INDEX	
1	SITE DEVELOPMENT PLAN
2	GRADING AND SEDIMENT CONTROL PLAN
3	SEDIMENT CONTROL NOTES AND DETAILS
4	STORMDRAIN PROFILES AND SWM DETAILS
5	DRAINAGE AREA MAP
6	LANDSCAPE PLAN



**BUILDING ELEVATION**  
NOT TO SCALE

NOTE - THE MAXIMUM HEIGHT ALLOWED IN THE R-20 ZONING DISTRICT FOR THE PROPOSED CHURCH ADDITION IS 34' UNLESS OTHERWISE APPROVED BY THE BOARD OF APPEALS. STEEPLES, SPIRES AND BELFRIES ARE EXEMPT FROM HEIGHT RESTRICTIONS PER SECTION 128.4.3 OF ZONING REGULATIONS.

JOHN B. & PAISY SCOTT  
L 824 F 343  
PARCEL 81  
ZONED R-20

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, MARYLAND.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION WORK:  
MISS UTILITY (800) 257-7777  
C&P TELEPHONE (410) 725-9976  
HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4900  
ATA&T CABLE LOCATION DIVISION (410) 393-5533  
BALTIMORE GAS AND ELECTRIC (410) 686-0123  
STATE HIGHWAY ADMINISTRATION (410) 531-5533  
HOWARD COUNTY DEPT. PUBLIC WORKS/ CONSTRUCTION INSPECTIONS DIVISION (410) 725-9976
- SITE ANALYSIS:**  
LOCATION: SIXTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND, TAX MAP 30, GRID 24, PARCELS 83 & 84  
ZONING: R-20 AS PER THE 10/18/93 COMPREHENSIVE ZONING PLAN  
EXISTING USE: RELIGIOUS FACILITY  
PROPOSED USE: RELIGIOUS FACILITY  
TOTAL AREA: 4.48 ACRES  
EX. BUILDING: 4,157 SQ. FT. (2.8% EXISTING BUILDING COVERAGE FROM SDP 86-163)  
PROP. ADDITION: 8,523 SQ. FT.  
TOTAL BUILDING: 12,680 SQ. FT. (6.5% TOTAL SITE AREA COVERED)  
PREVIOUS COUNTY FILE NUMBERS: SDP-86-163, F-93-27, BA #98-07E, F99-185
- PARKING ANALYSIS:**  
REQUIRED PARKING: (1 SPACE/3 SEATS) X 425 SEATS = 142 SPACES  
EXISTING PARKING: = 34 SPACES  
PROPOSED PARKING: = 108 SPACES (INC. 5 HANDICAPPED SPACES)  
PROVIDED PARKING: = 142 SPACES (INC. 5 HANDICAPPED SPACES)
- TOPOGRAPHY BASED ON FIELD RUN TOPOGRAPHIC SURVEY BY MILDENBERG, BOENDER AND ASSOCIATES, INC., OCTOBER 1998.
- BOUNDARY SHOWN HEREON BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT OCTOBER 1998 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- COORDINATES REFERENCED ARE BASED ON THE NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL.  
STATION 301A N 568,671.329 E 1,361,564.037  
STATION 301A N 567,750.955 E 1,364,842.701
- PUBLIC WATER AND SEWER PREVIOUSLY PROVIDED UNDER CONTRACTS 24-1540-D AND 20-1091. PROPOSED WATER HOUSE CONNECTION TO MAINTAIN 1.0' CLEARANCE OF EXISTING SEWER HOUSE CONNECTION.
- STORMWATER MANAGEMENT PROVIDED BY STORMCEPTOR AND UNDERGROUND DETENTION.
- NO FLOODPLAIN, STREAMS, OR WETLANDS EXIST ON SITE.
- PROPERTY SUBJECT TO BOARD OF APPEALS CASE 98-07E DATED JUNE 18, 1998, PERMITTING EXPANSION OF THE EXISTING RELIGIOUS FACILITY.
- ALL OUTDOOR LIGHTING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH HOWARD COUNTY ZONING REGULATIONS, SECTION 134.
- ALL PROPOSED PAVING TO BE P-1 MINIMUM, EXCEPT WHERE OTHERWISE NOTED. (SEE DETAIL SHEET 4)
- SOILS DATA SHOWN BASED ON HOWARD COUNTY SOILS SURVEY, DATED 1968, SHEET 25.
- MAIN ENTRANCE TO THE BUILDING TO BE HANDICAPPED ACCESSIBLE.
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
- ALL PLAN DIMENSIONS ARE TO BOTTOM FACE OF CURB UNLESS OTHERWISE NOTED.
- NO HISTORICAL STRUCTURES ARE LOCATED ON OR ADJACENT TO THE SITE.
- HISTORIC BLACK CEMETERY WITH ONE GRAVE LOCATED ON PARCEL 81. CEMETERY REFERENCE # 30-1.
- NO SCENIC ROAD ABUTS THE SITE.
- NO IMPROVEMENTS ARE REQUIRED FOR THOMAS WILLIAMS WAY.
- PARCEL 84 AND LOTS 1 & 2 OF THE JR PROPERTY HAVE BEEN CONSOLIDATED INTO PARCEL "A" VIA RECORD PLAT F-99-185.
- ALL FILLET RADII ARE 5' UNLESS OTHERWISE NOTED.
- NO DUMPSTER PROVIDED: RESIDENTIAL TRASH RECEPTACLES ARE TO BE UTILIZED.
- RELOCATED LIGHT TO BE RELOCATED
- EXISTING AND PROPOSED STORMWATER MANAGEMENT SYSTEMS ARE PRIVATELY OWNED AND MAINTAINED.
- EXISTING AND PROPOSED WATER METERS LOCATED INSIDE BUILDING.
- FOREST CONSERVATION OBLIGATIONS HAVE BEEN MET BY FILING A DECLARATION OF INTENT FOR THE CREATION OF A 1.33 ACRES OF FOREST ON A SINGLE PARCEL PER SECTION 16.1202(B)(2)(H) OF THE HOWARD CO. CODE.  
FRONT SETBACK IS BASED ON THE HOWARD COUNTY ZONING REQUIREMENTS FOR ROADS CONSTRUCTED BEFORE OCTOBER 18, 1993.
- URL - DENOTES USE RESTRICTION LINE. BRL - DENOTES BUILDING RESTRICTION LINE.

NOTE: THIS DRAWING IS TO BE USED FOR SITE LAYOUT PURPOSES ONLY.



**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOT  
PO BOX 2292  
COLUMBIA, MD 21044

TRIGROSS, LLC.  
L 3578 F 313  
PARCEL 382

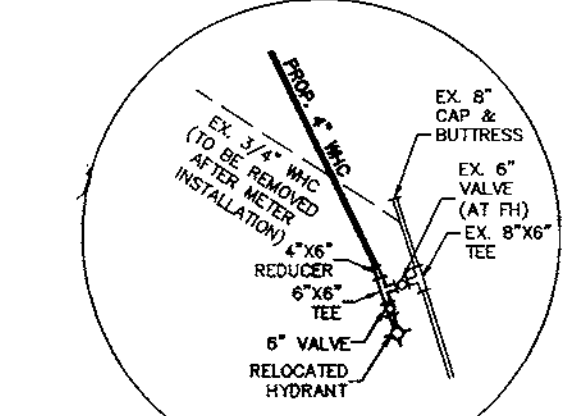
COOPER PROPERTY  
LOTS 1 & 2  
PLAT 5738  
ZONED R-20

CECIL & BERNICE CRENSHAW  
L 335 F 411  
PARCEL 401  
ZONED R-20

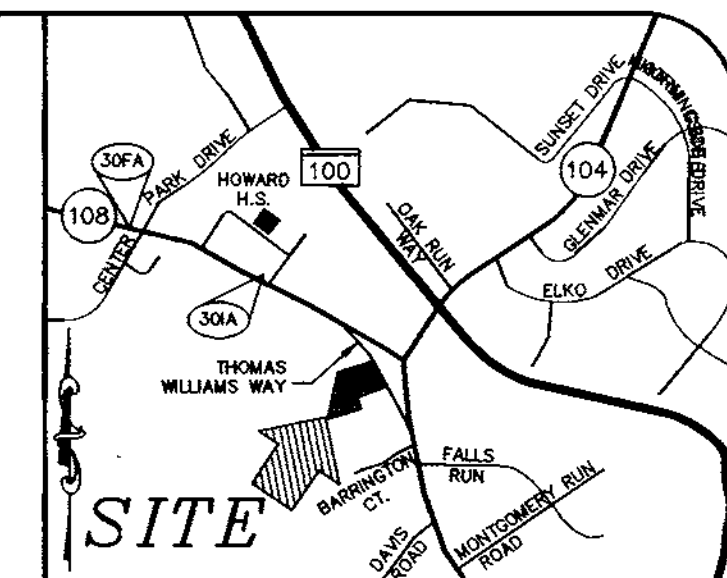
KENNETH M. COOPER  
L 3258 F 217  
PARCEL 382

ADDRESS CHART	
LOT/PARCEL NO.	STREET ADDRESS
PARCEL A	8516 THOMAS WILLIAMS WAY

PERMIT INFORMATION CHART			
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #	PARCEL "A"
THE COLUMBIA COMMUNITY CHURCH			
PLAT # OR L/F	BLOCK #	ZONE	TAX MAP
14-093	24	R-20	30
WATER CODE	SEWER CODE	ELEC. DIST.	CENSUS TRACT
G-07	5338600	SIXTH	6065.01



**FIRE HYDRANT CONNECTION DETAIL**  
NOT TO SCALE



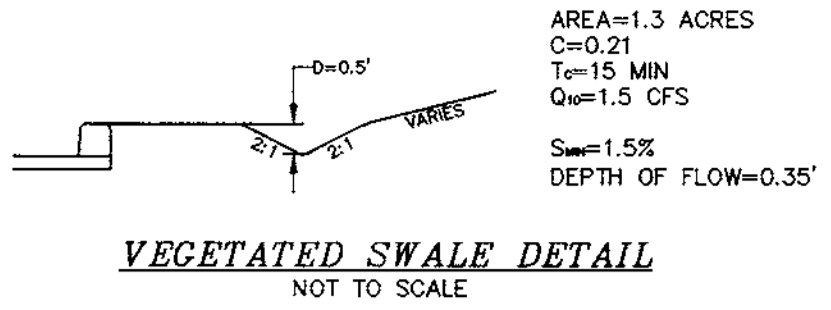
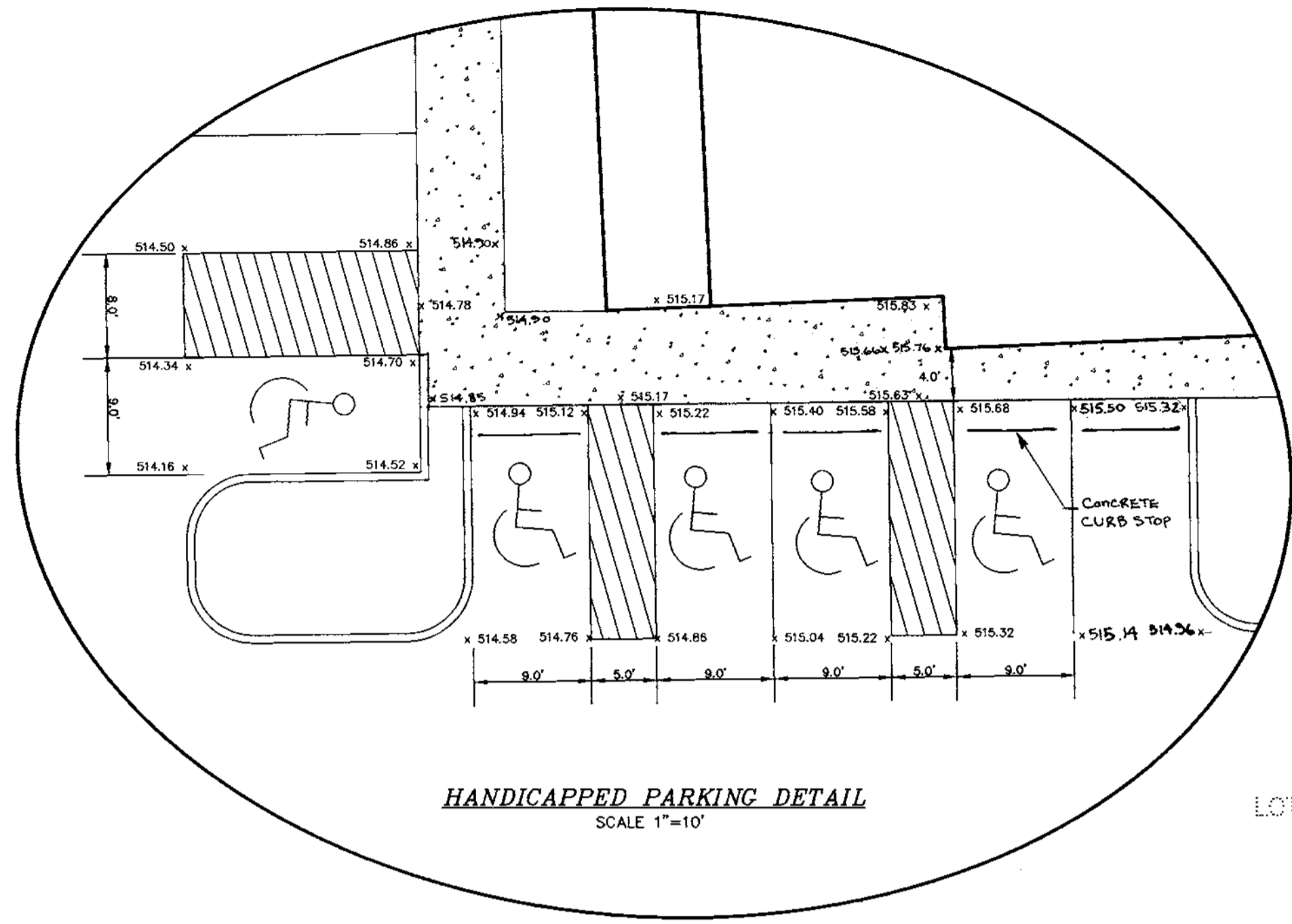
**VICINITY MAP**  
SCALE 1"=2000'

Project	date	description	revisions
971717.10	SEPT 1999	illustration	KR
		scale	1"=30'
		approval	KR

no.	description	revisions	date

**COLUMBIA COMMUNITY CHURCH**  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SITE DEVELOPMENT PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Elkton City, Maryland 21042  
(410) 397-0286 Bldg. (301) 621-6521 Wash. (410) 997-0286 Fax.



- LEGEND**
- SUPER SILT FENCE
  - LIMIT OF DISTURBANCE
  - STABILIZED CONSTRUCTION ENTRANCE
  - FLOW DIRECTION
  - INLET PROTECTION
  - STEEP SLOPES (>25%)

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

*Reginald L. Elliott* 1/6/2000  
SIGNATURE OF DEVELOPER DATE  
**REGINALD L. ELLIOTT**  
PRINTED NAME OF DEVELOPER

**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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Hikmat* 1/6/2000  
SIGNATURE OF ENGINEER DATE  
**R. JACOB HIKMAT**  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Chief Simmons* 1-24-00  
USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

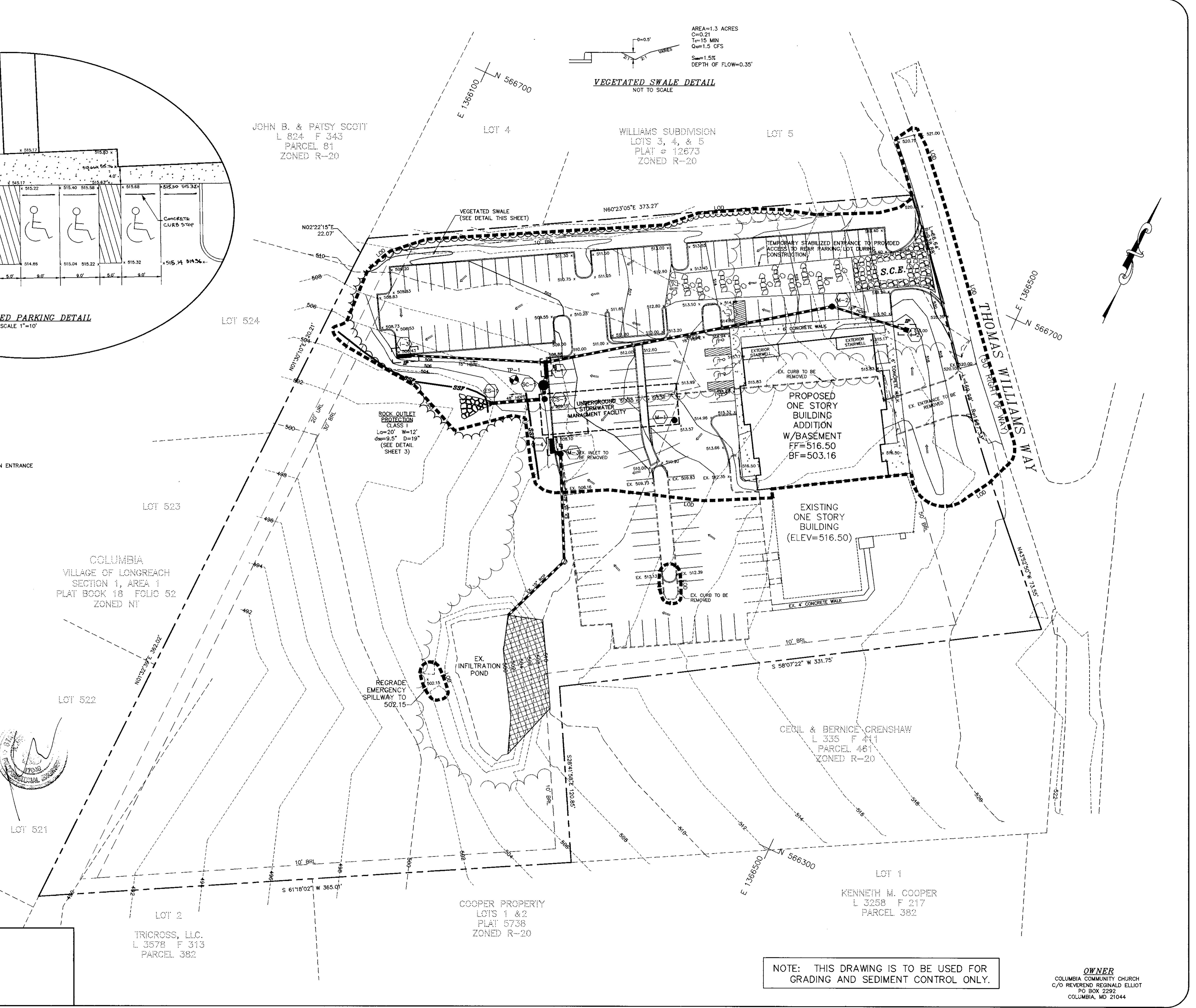
*John Robertson* 1-24-00  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John Dammann* 1/20/00  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Conda Hamilton* 2/9/00  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*James S. Sutter* 2/8/00  
DIRECTOR DATE



NOTE: THIS DRAWING IS TO BE USED FOR GRADING AND SEDIMENT CONTROL ONLY.

**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOTT  
PO BOX 2292  
COLUMBIA, MD 21044

Project	date	SPPT	1989
Illustration	97117.10	engineering	
Illustrator	KR	KR	
Scale		scale	1"=30'
Revisions		no.	

description	no.	date

**COLUMBIA COMMUNITY CHURCH**  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
**GRADING AND SEDIMENT CONTROL PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax. (301) 621-5521 Wash. (410) 997-0298 Fax.

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.

- SEEDBED 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:
1) PREFERRED - APPLY 2 TONS PER ACRES DOLICLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING.
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLICLOMITE LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING.
SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE.
MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WOOD SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING.

TEMPORARY SEEDING NOTES

- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.)
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 1 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WHEAT (0.7 LBS./1000 SQ.FT.).
MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WOOD SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING.

HOWARD SOIL CONSERVATION DISTRICT  
STANDARD SEDIMENT CONTROL NOTES

- 1) 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.
2) 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.
3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DICES, PERMETER SOCKS AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO 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 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), SO2 (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.

DEVELOPERS CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Developer: Reginald L. Elliott
Signature of Engineer: R. JACOB HIKMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

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

STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION: PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.
PURPOSE: TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE PLANTS. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW pH, MATERIALS TOXIC TO GROWTH, AND/OR UNCONFORMABLE SOIL GRADATION.
CONDITIONS WHERE PRACTICE APPLIES: THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

- I. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS.
II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
1. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND, OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY.
2. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMOUDA GRASS, QUACKGRASS, JOHNSONSON GRASS, MUTSIEGE, POISON IVY, TRISTLE, OR OTHERS AS SPECIFIED.
3. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL.
4. TOPSOIL APPLICATION: WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT.
2. INSTALL ALL SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED PLAN, (2 DAYS)
3. EXCAVATE AND CONSTRUCT THE UNDERGROUND SWM AND STORMDRAIN SYSTEM. PROVIDE INLET PROTECTION AS INLETS ARE CONSTRUCTED. (15 DAYS)
4. BRING SITE TO ROUGH GRADE EXCEPT FOR EXISTING PAVED ACCESS DRIVE AND BEGIN EXCAVATION FOR FOUNDATION. (5 DAYS)
5. FINE GRADE AND PAVE REAR PARKING LOT. (5 DAYS)
6. BEGIN BUILDING CONSTRUCTION AND INSTALLATION OF UTILITIES. (3 WEEKS)
7. CONSTRUCT REMAINING CURB AND GUTTER AND PAVE REMAINDER OF SITE. (4 DAYS)
8. INSTALL CONCRETE WALKS AND OTHER SITE AMENITIES. (5 DAYS) COMPLETE PLANTINGS OF TREES AND SHRUBS. (2 DAYS)
9. STABILIZE REMAINING AREAS. (1 DAY)
10. REMOVE SEDIMENT CONTROL DEVICES WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR. (1 DAY)

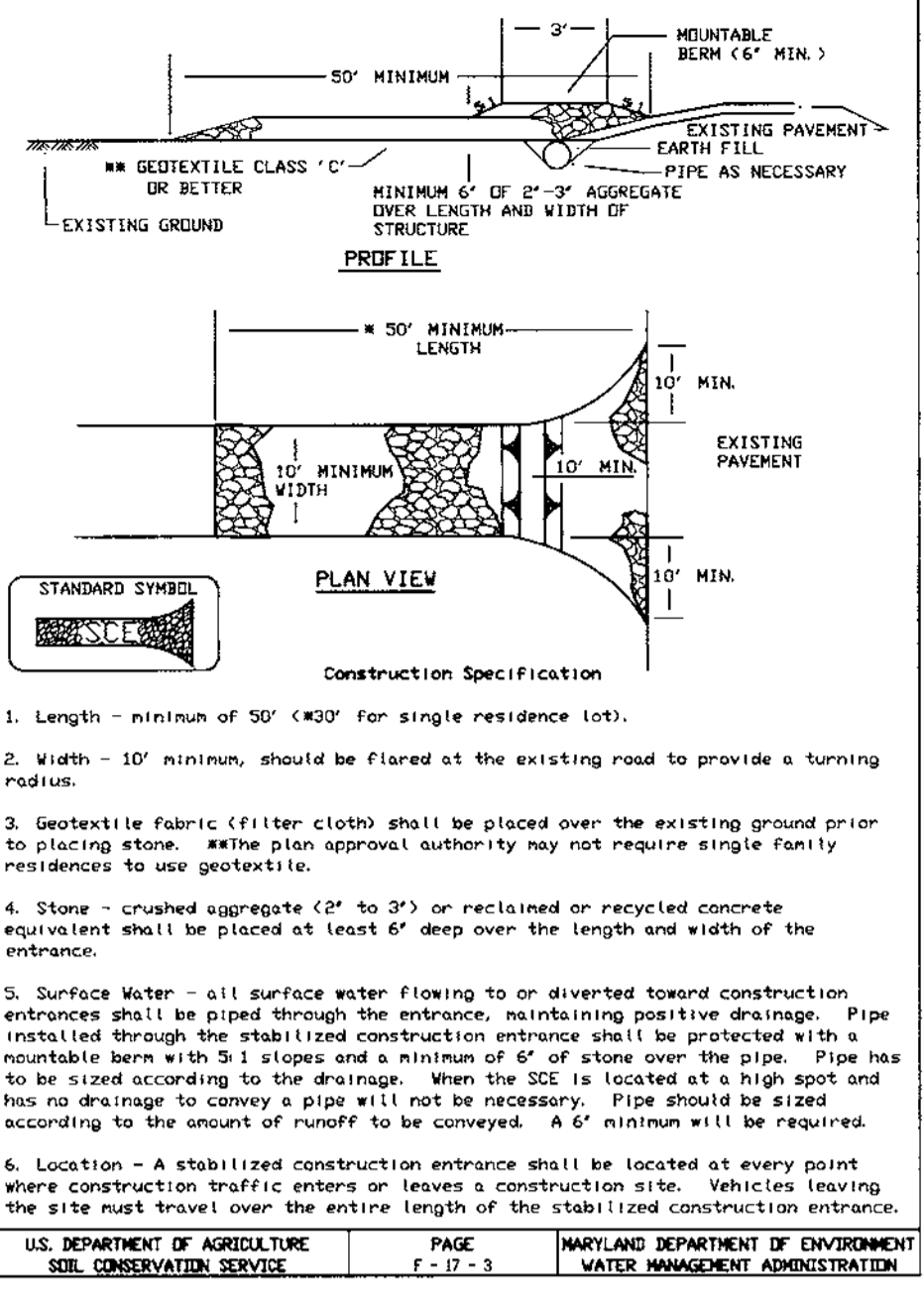
UNDERGROUND STORMWATER MANAGEMENT SYSTEM CONSTRUCTION SPECIFICATIONS

- 1. INSTALLATION OF THE UNDERGROUND SWM FACILITY SHALL BE IN ACCORDANCE WITH ASTM D2321 WITH THE EXCEPTION THAT THE MINIMUM COVER SHALL BE 1.0' IN ACCORDANCE WITH THE MANUFACTURER'S STANDARDS.

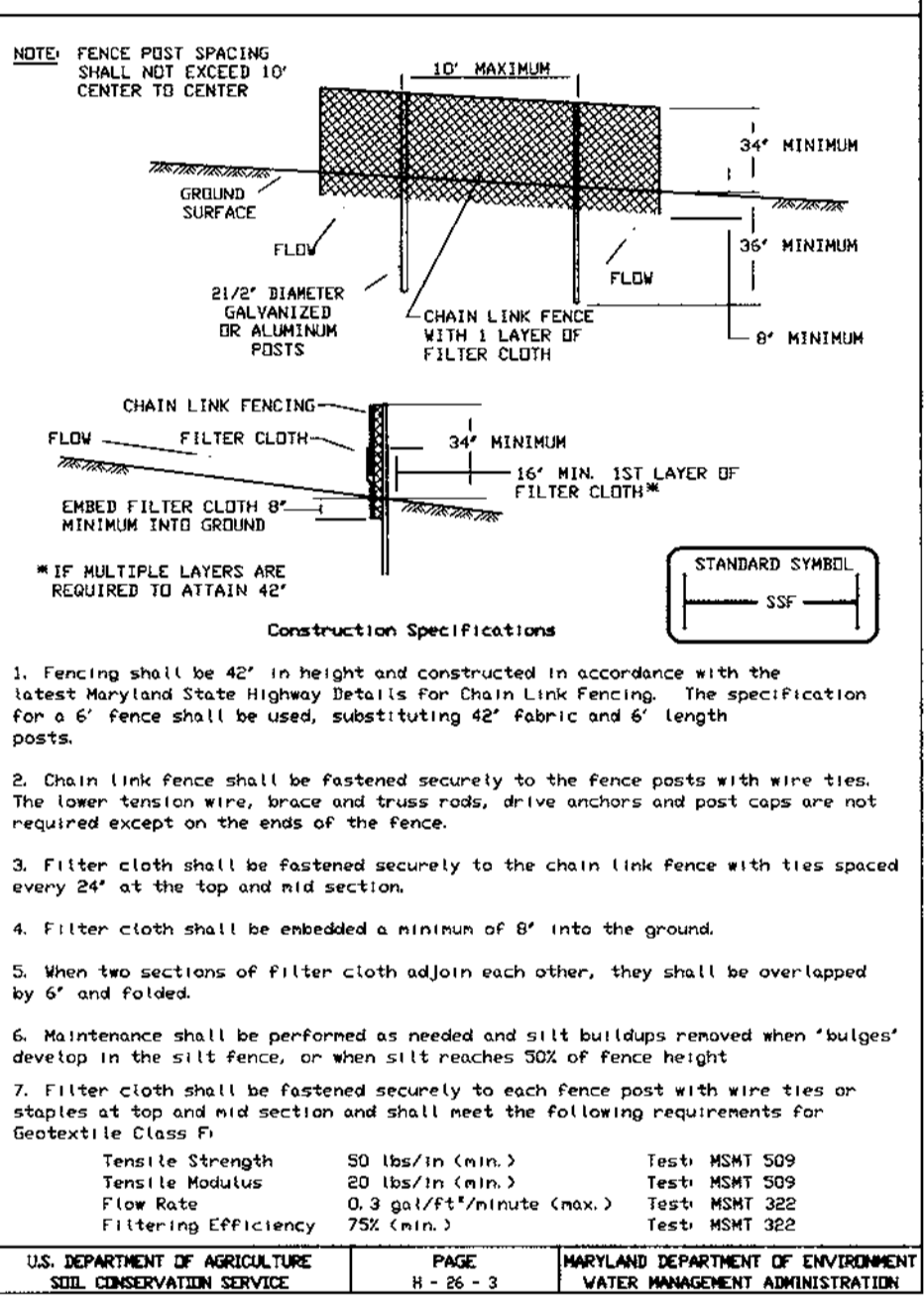
TEMPORARY DUST CONTROL MEASURES

- 1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
2. VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
3. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS.
4. IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED.
5. BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

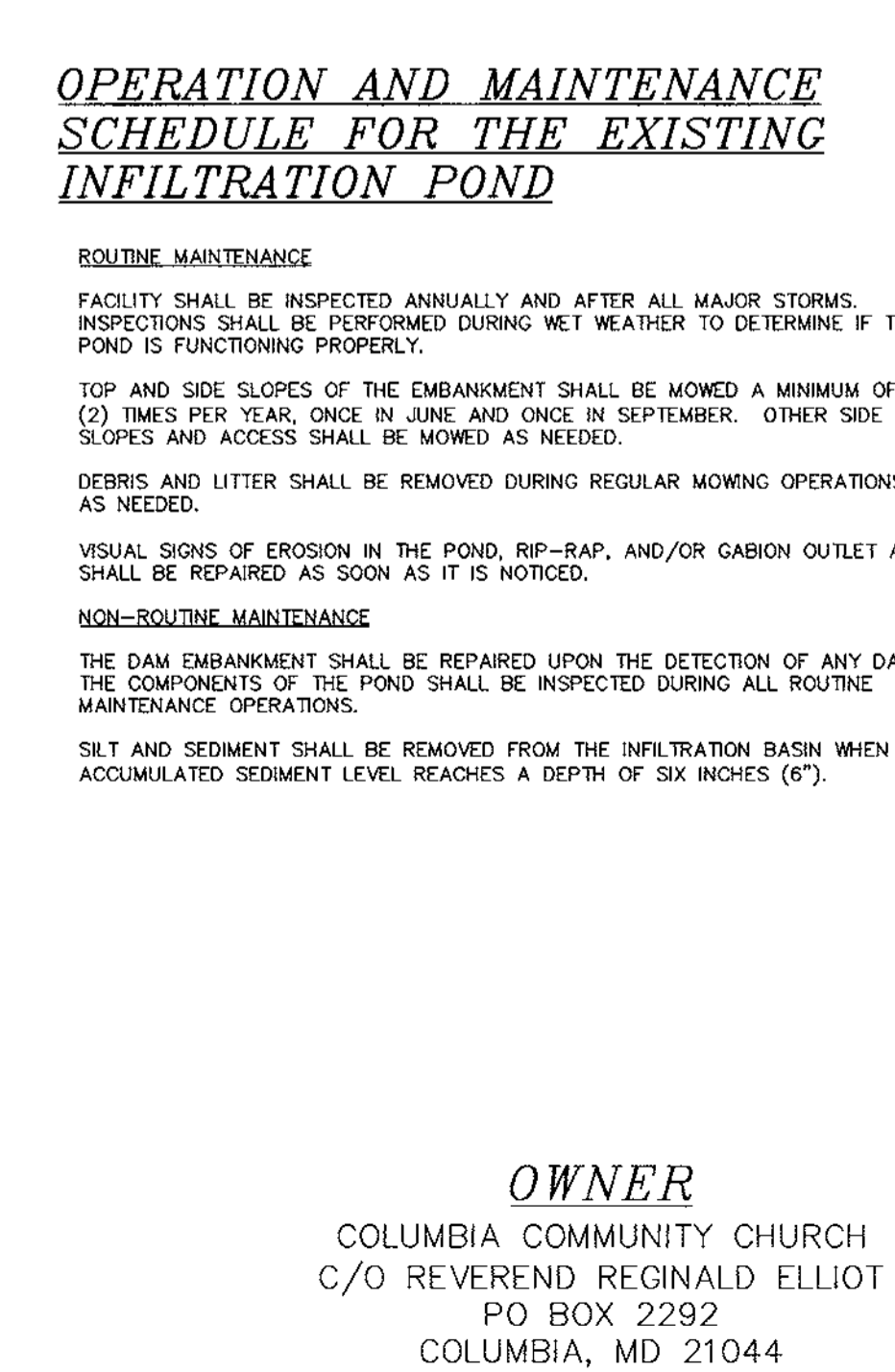
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



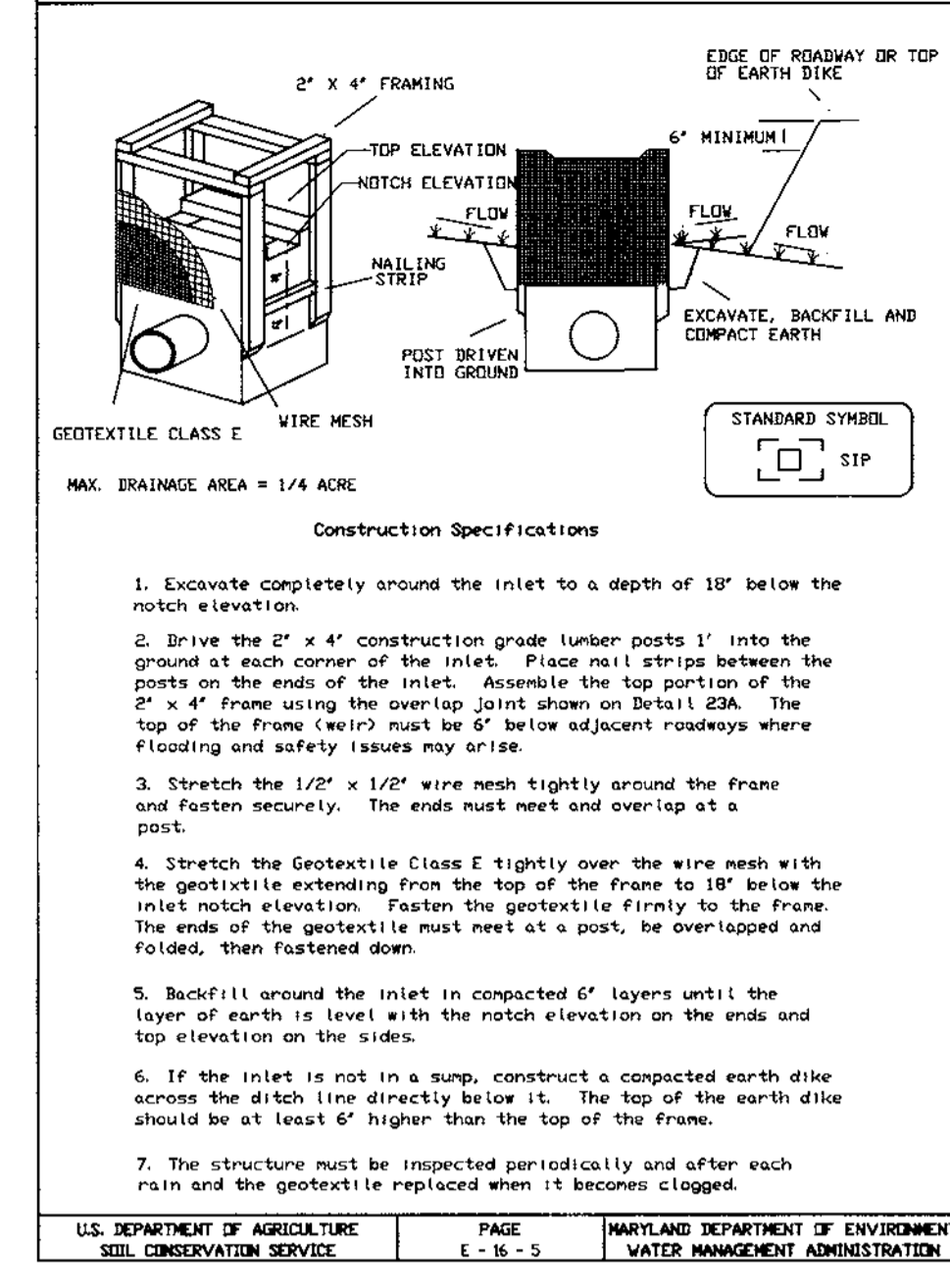
DETAIL 23A - STANDARD INLET PROTECTION



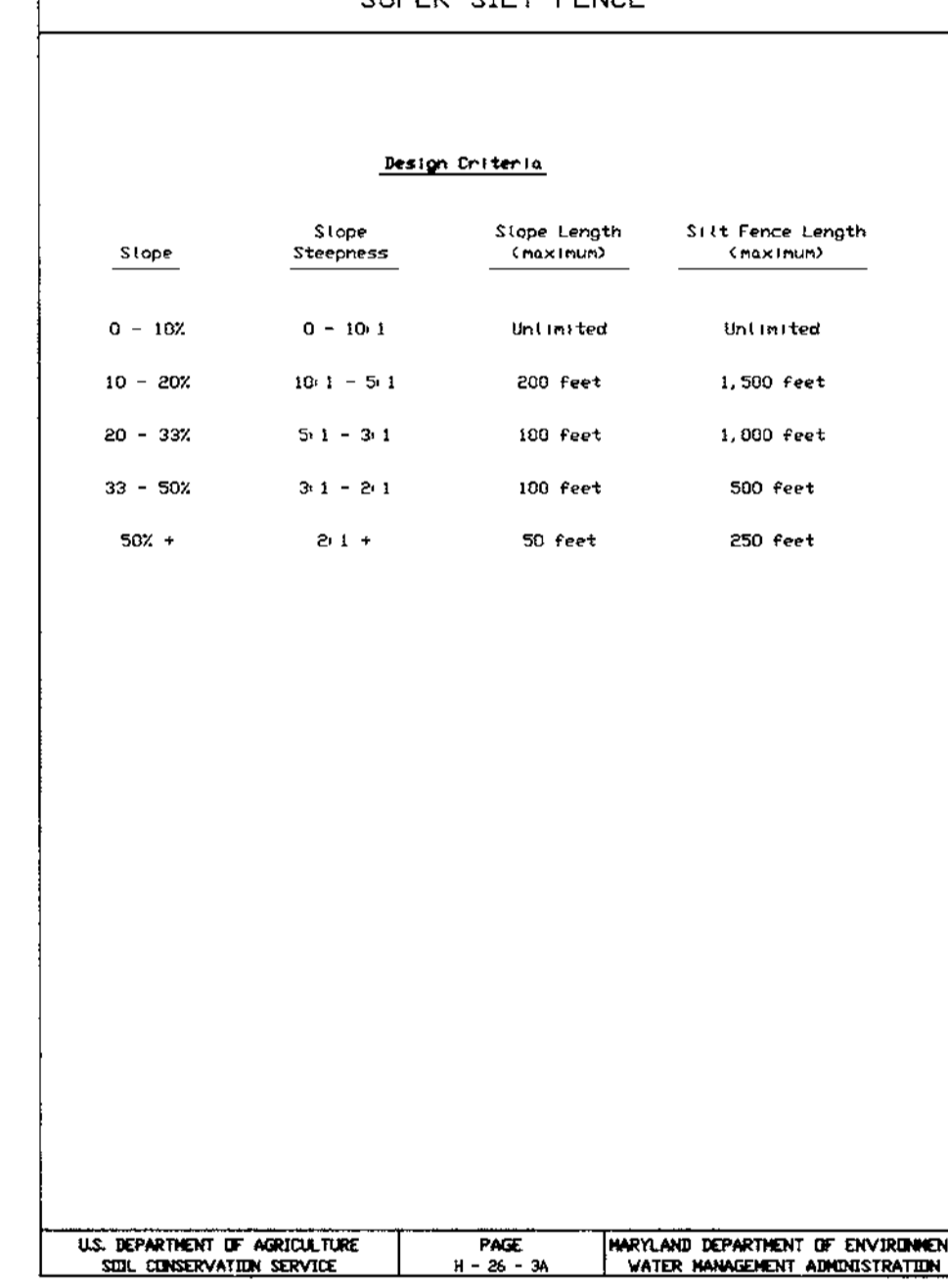
DETAIL 33 - SUPER SILT FENCE



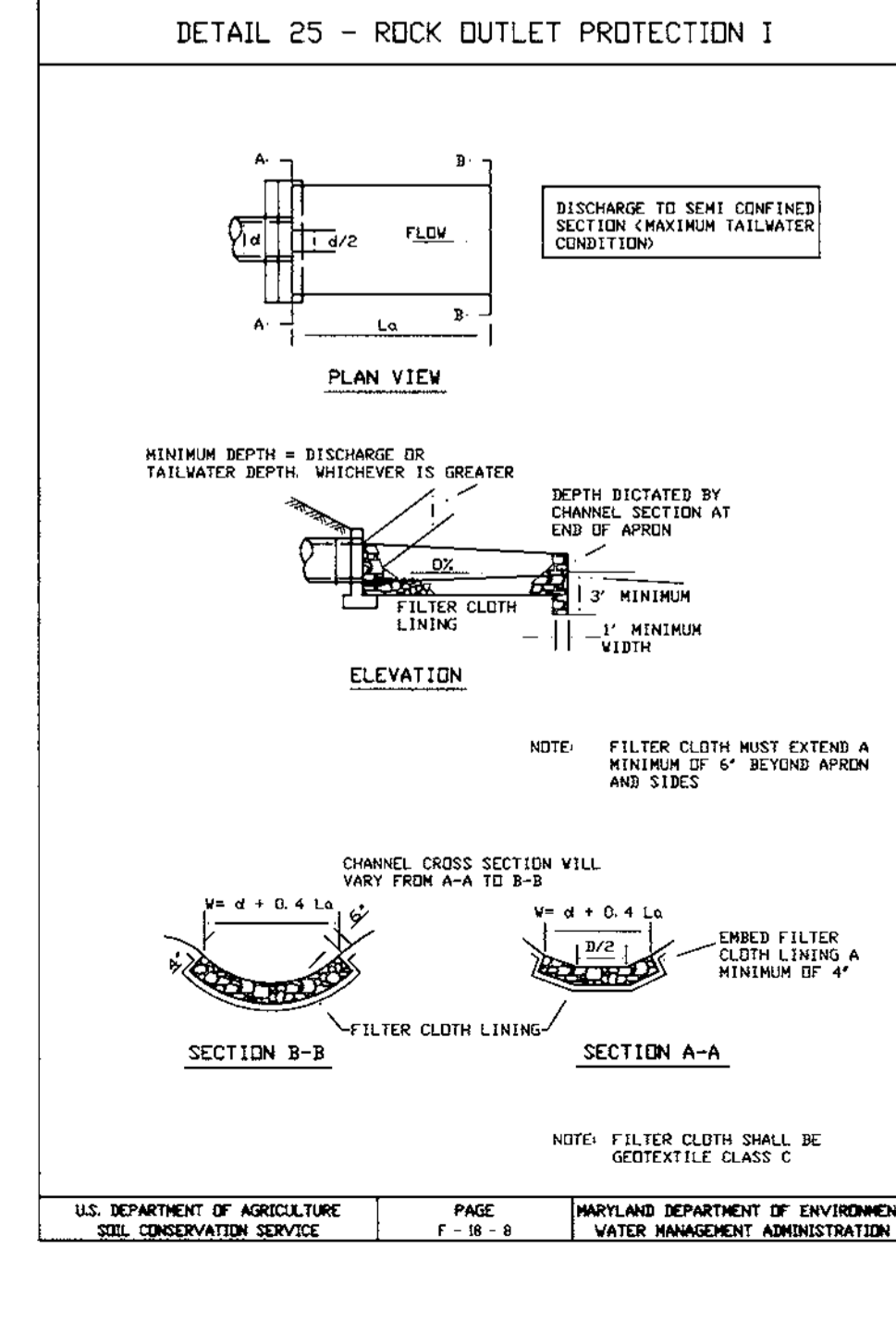
DETAIL 22 - SILT FENCE



DETAIL 25 - ROCK OUTLET PROTECTION I



DETAIL 25 - ROCK OUTLET PROTECTION I



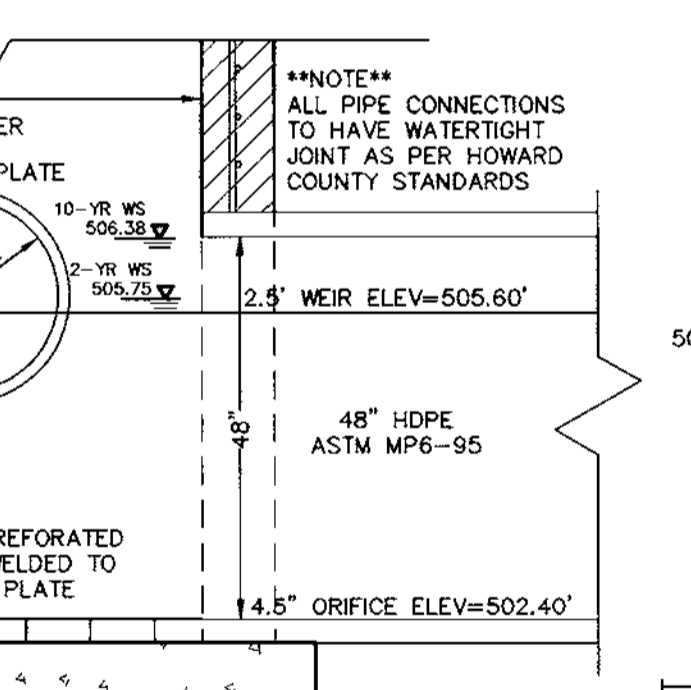
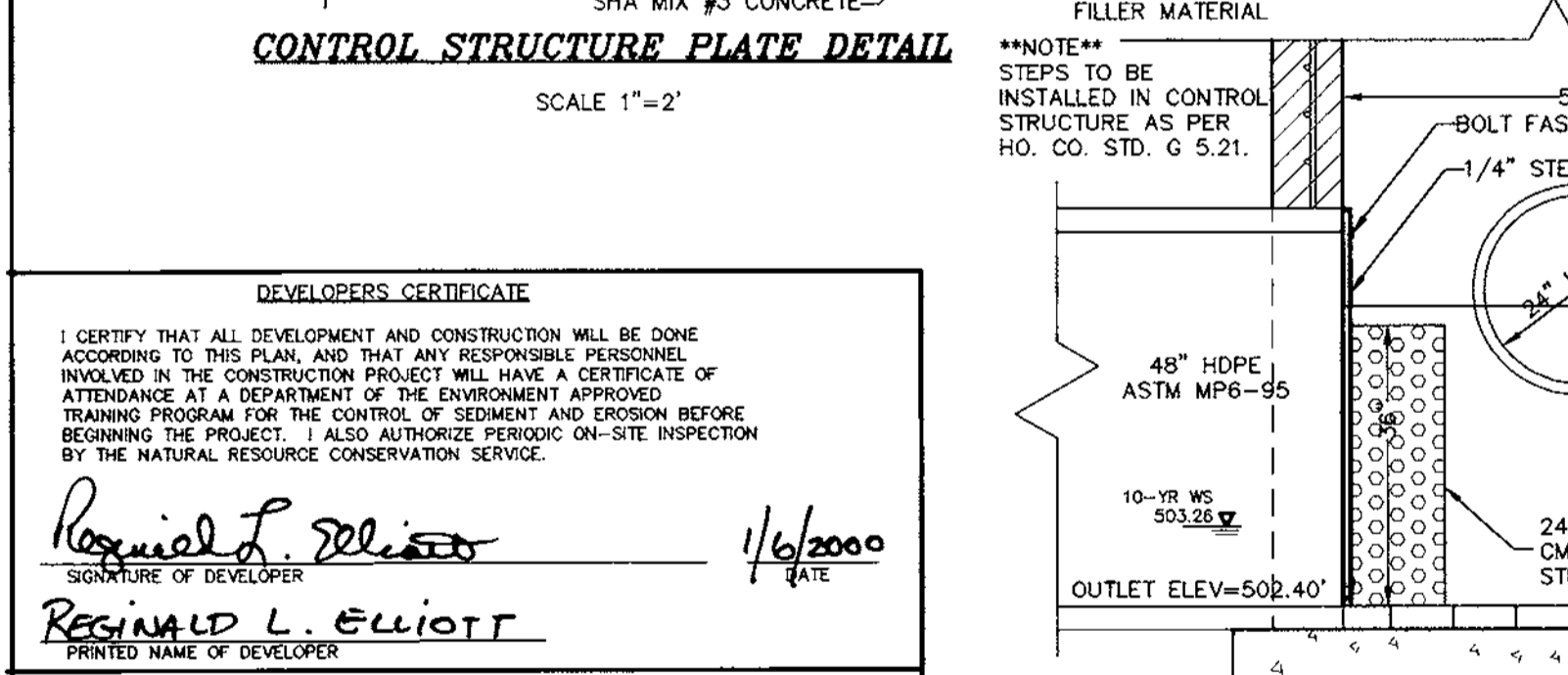
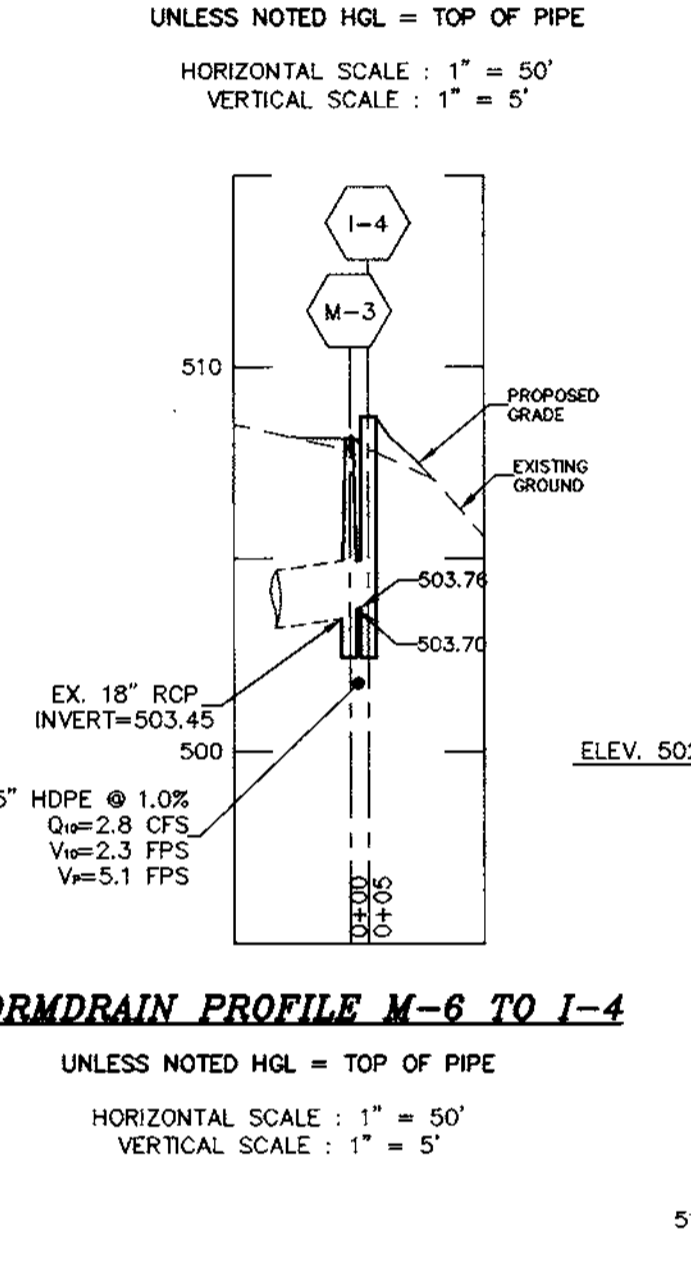
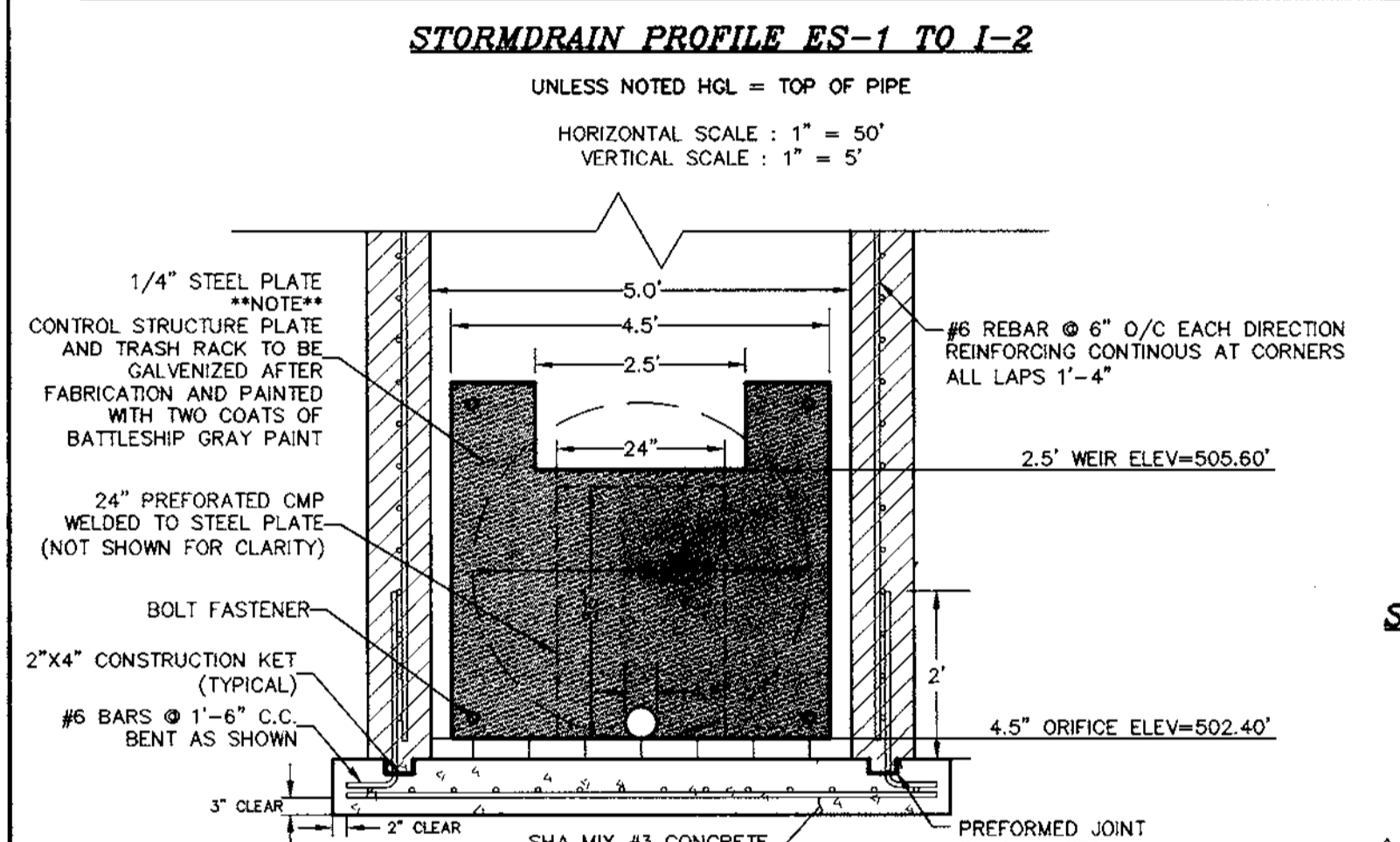
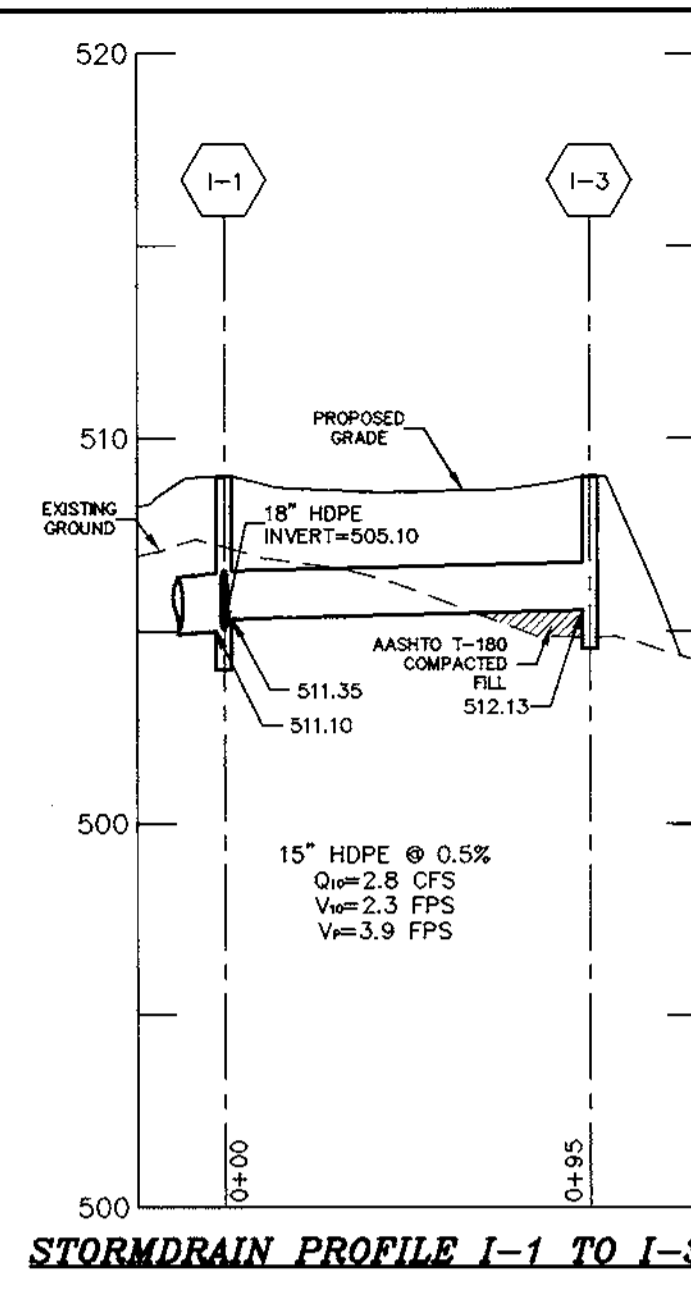
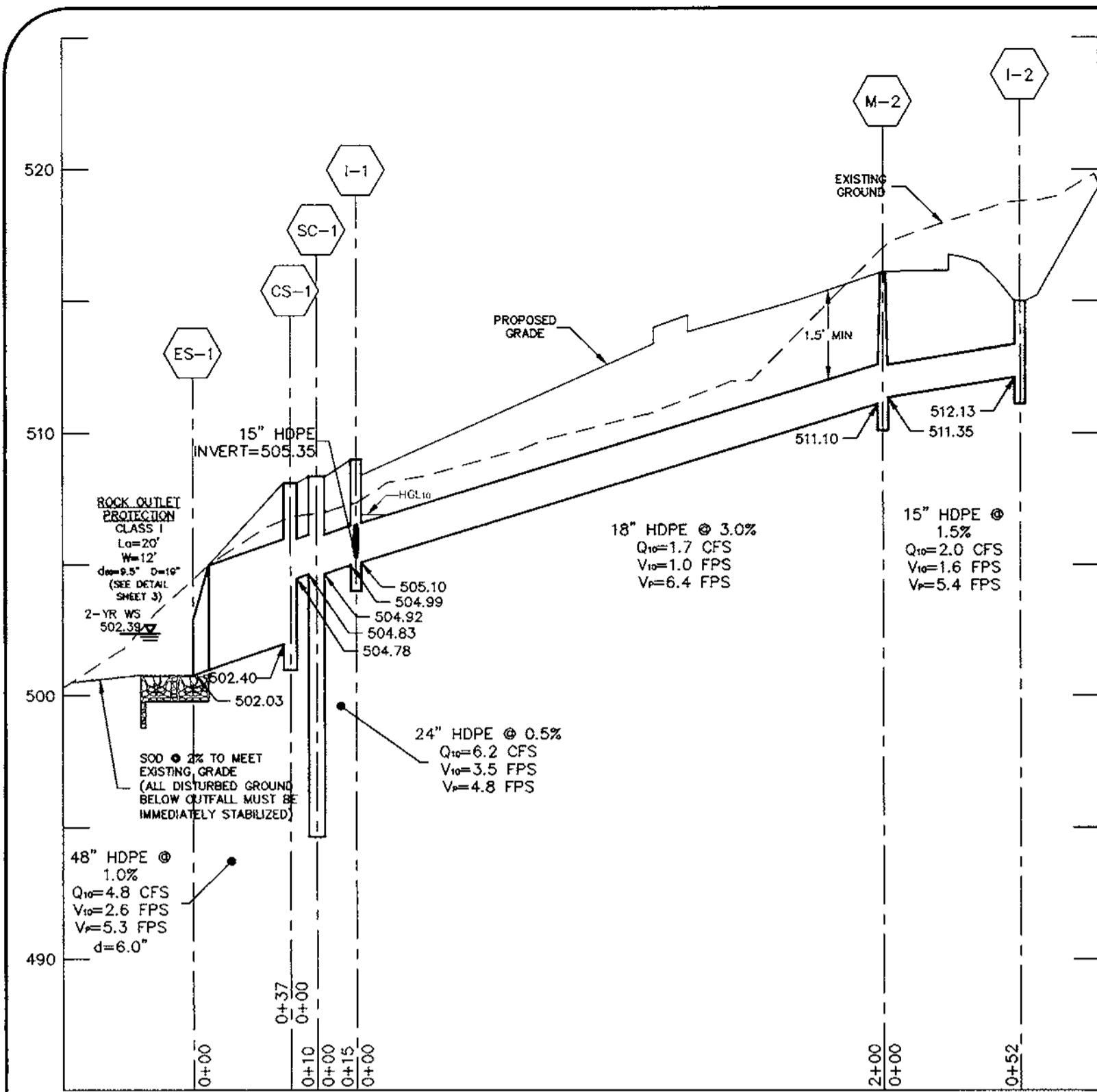
RECORD OF SOIL EXPLORATION

Table with columns for Date, Location, Soil Type, Sampler, and Soil Description. It contains data for a soil exploration at Hillis - Carnis Engineering Associates, Inc. in Howard County, Maryland.

ROCK OUTLET PROTECTION I

- CONSTRUCTION SPECIFICATIONS:
1. The subgrade for the filter, rip-rap, or gabion shall be prepared to the required lines and grades.
2. The rock or gravel shall conform to the specified grading limits when installed respectively in the rip-rap or filter.
3. Geotextile shall be protected from punching, cutting, or tearing.
4. Stone for the rip-rap or gabion outlets may be placed by equipment.
5. The stone shall be placed so that it blends in with the existing ground.

MILDENBERG, BOENDER & ASSOC., INC.
COLUMBIA COMMUNITY CHURCH BUILDING ADDITION
COLUMBIA, MD 21044
SDP 99-150



**STRUCTURE SCHEDULE**

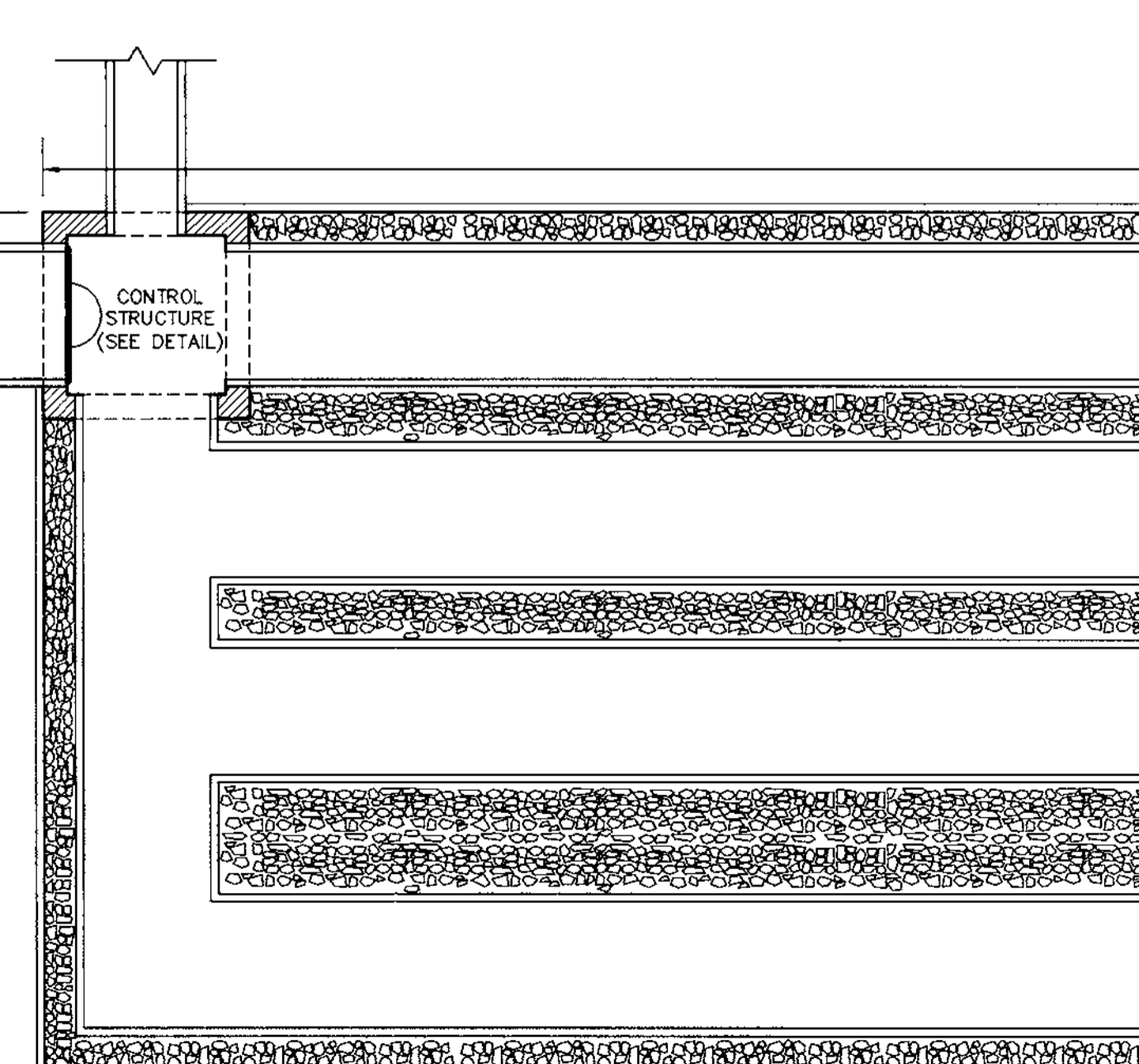
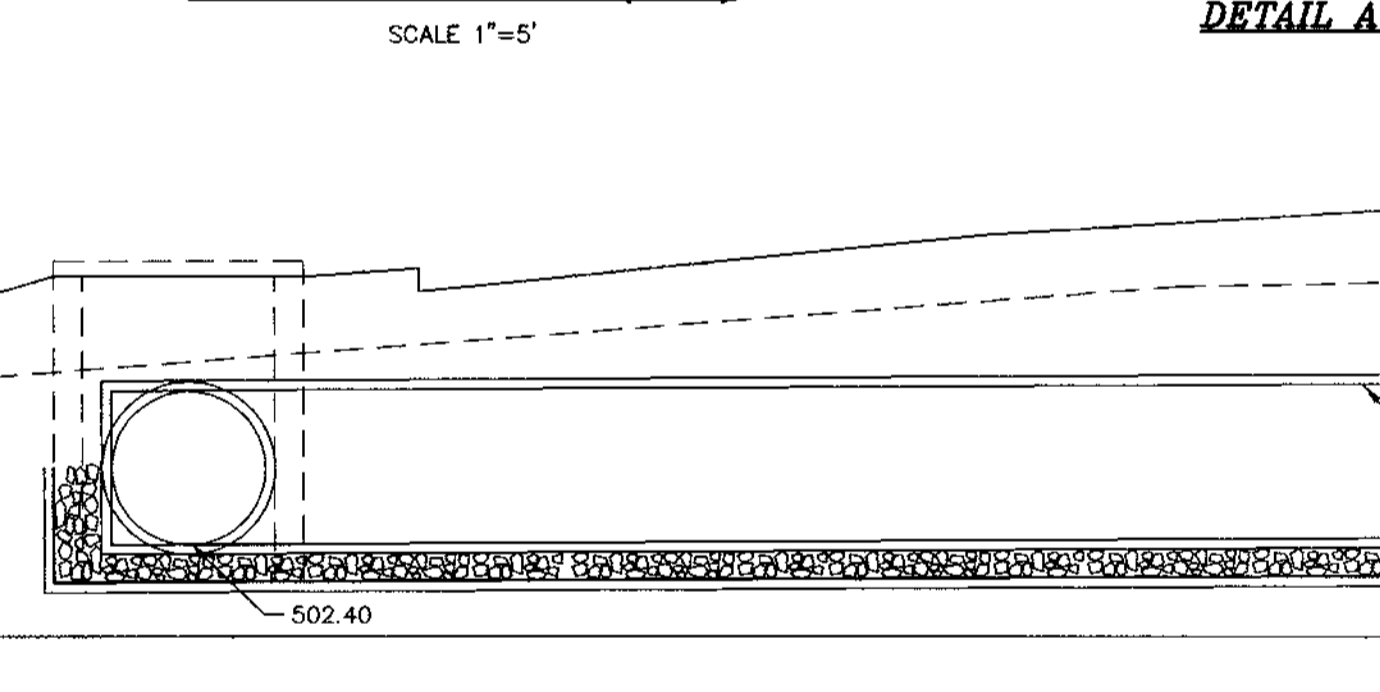
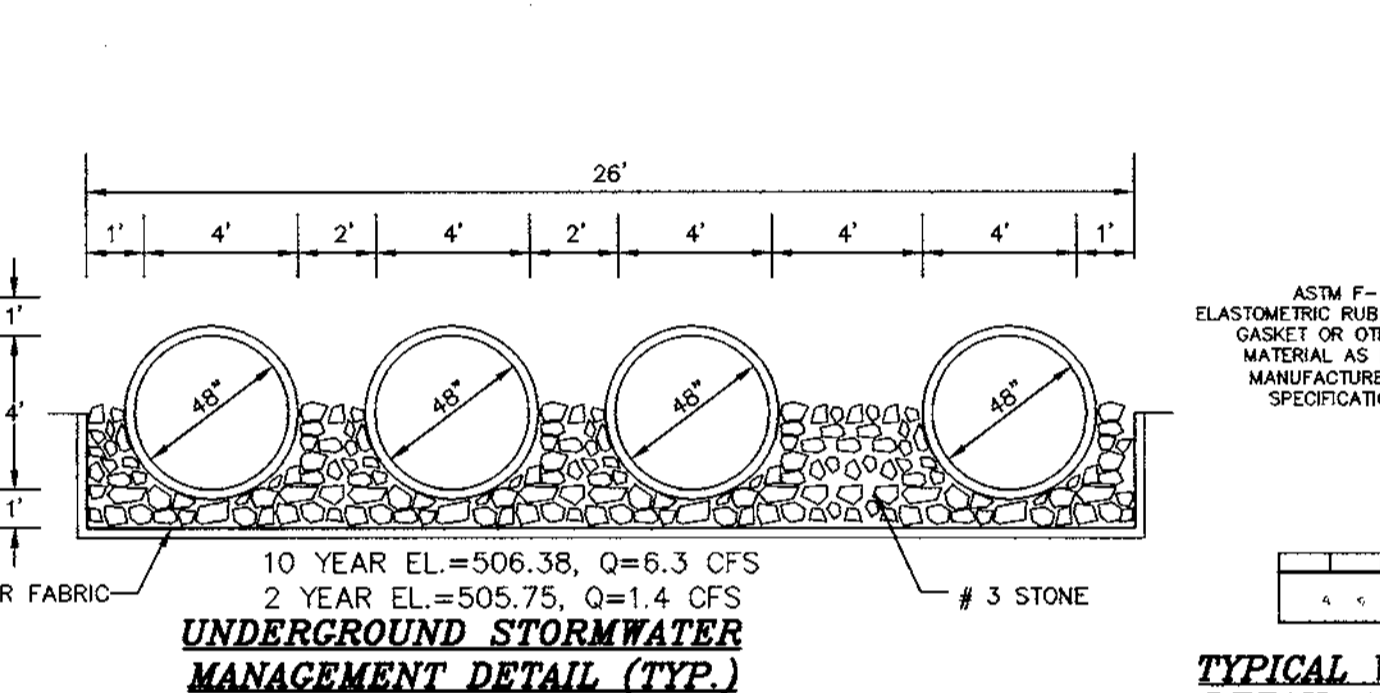
STRUCTURE	INVERT IN	INVERT OUT	TOP ELEV.	DESCRIPTION
CS-1	504.78	502.40	509.60	CONTROL STRUCTURE
ES-1	502.00	---	---	HO. CO. STANDARD END SECTION (SD 5.61)
I-1	505.10	504.99	508.88	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
I-2	---	512.13	515.00	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
I-3	---	505.68	509.00	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
I-4	---	503.76	508.80	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
M-1	402.78	402.78	512.75	HO. CO. STANDARD MANHOLE (G 5.11) D=8.0'
M-2	511.10	511.35	511.00	HO. CO. STANDARD 4" BRICK MANHOLE (G 5.01)
M-3	503.70	503.45	508.10	HO. CO. STANDARD 4" BRICK MANHOLE (G 5.01)
SC-1	504.92	504.83	509.60	STORMCEPTOR 1800

**UNDERGROUND STORMWATER MANAGEMENT FACILITY MAINTENANCE SCHEDULE**

- REMOVE INLET GRATES AND INSPECT FOR DEBRIS EACH JANUARY 2, APRIL 1, JULY 1, SEPTEMBER 30, AND NOVEMBER 30, REMOVE ACCUMULATED LEAVES, TWIGS, SEDIMENT AND OTHER DEBRIS AS REQUIRED TO KEEP THE INLETS CLEAN.
- ON A SEMI-ANNUAL BASIS, INSPECT CONTROL STRUCTURES FOR ANY ACCUMULATED DEBRIS AT THE TRASH RACK REMOVE ANY DEBRIS FOUND DURING THE INSPECTION.
- ON AN ANNUAL BASIS, INSPECT THE DETENTION SYSTEM PIPING FOR DEBRIS OR SEDIMENT ACCUMULATION AND FOR SYSTEM INTEGRITY. REMOVE ANY ACCUMULATED FOREIGN MATERIALS.
- NOTIFY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS OF ANY PROBLEMS OR FAILURES OBSERVED IN THIS SYSTEM.

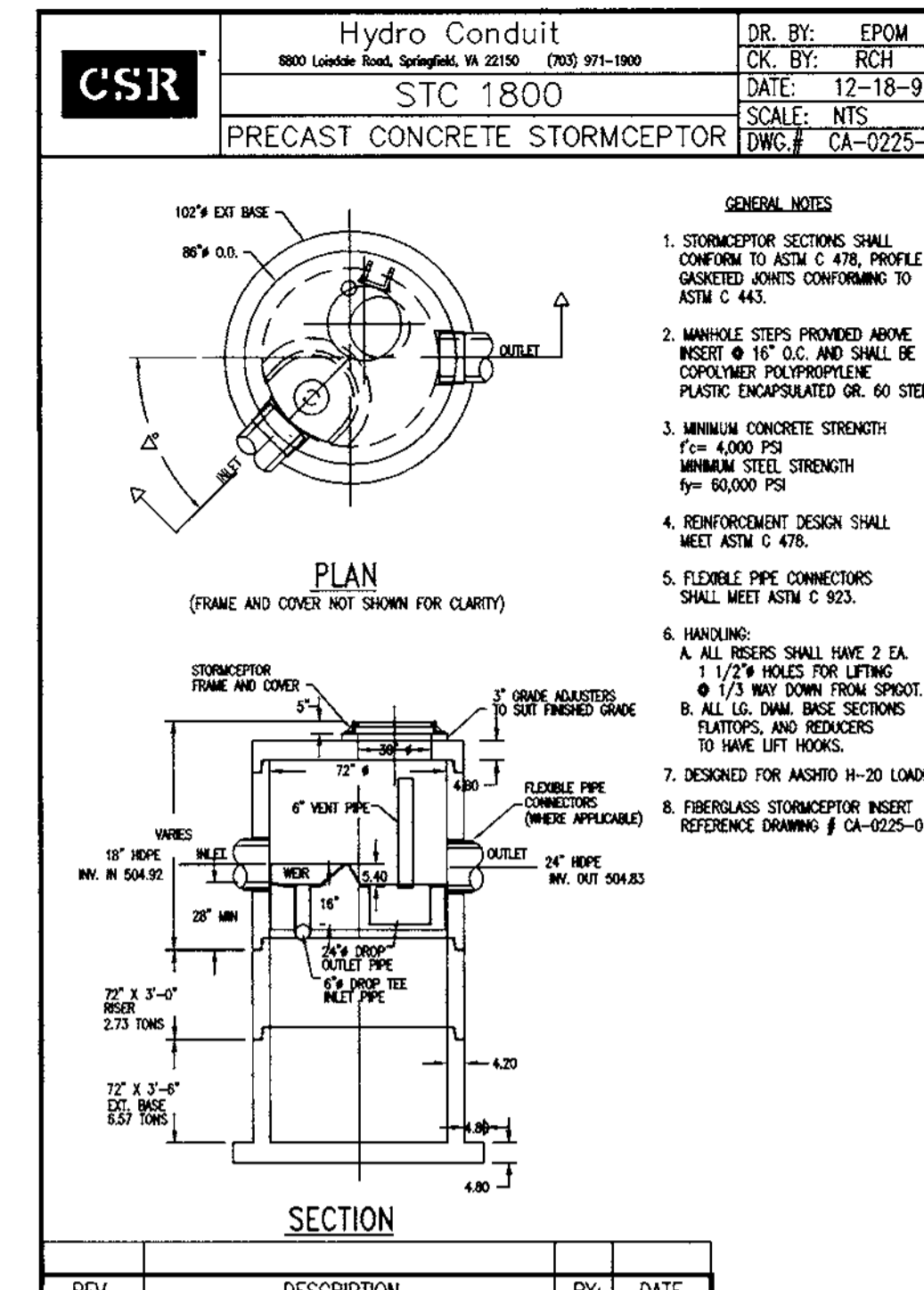
**STORMCEPTOR OPERATION AND MAINTENANCE SCHEDULE**

- STORMCEPTOR WATER QUALITY STRUCTURES WILL REQUIRE PERIODIC INSPECTION AND CLEANING TO MAINTAIN OPERATION AND FUNCTION. OWNERS WILL HAVE THE STORMCEPTOR UNIT INSPECTED YEARLY OR AS REQUIRED BY HOWARD COUNTY. UTILIZING THE STORMCEPTOR INSPECTION/MONITORING FORM. INSPECTIONS CAN BE DONE BY USING A CLEAR FLEXIGLASS TUBE ("SLUDGE JUDGE") TO EXTRACT A WATER COLUMN SAMPLE. WHEN SEDIMENT DEPTHS EXCEED THE SPECIFIED LEVEL (TABLE 6 OF TECHNICAL MANUAL) THEN CLEANING OF THE UNIT IS REQUIRED.
- STORMCEPTOR WATER QUALITY STRUCTURES MUST BE CHECKED AND CLEANED IMMEDIATELY AFTER PETROLEUM SPILLS, CONTACT APPROPRIATE REGULATORY AGENCIES.
- MAINTENANCE OF STORMCEPTOR UNITS SHOULD BE DONE BY A VACUUM TRUCK WHICH WILL REMOVE THE WATER, SEDIMENT DEBRIS, FLOATING HYDROCARBONS AND OTHER MATERIALS IN UNIT. THE PROPER CLEANING AND DISPOSAL OF THE REMOVED MATERIALS AND LIQUID MUST BE FOLLOWED.
- INLET AND OUTLET PIPES MUST BE CHECKED FOR ANY OBSTRUCTIONS AND IF ANY OBSTRUCTIONS ARE FOUND THEY MUST BE REMOVED. STRUCTURAL PARTS OF THE STORMCEPTOR WILL BE REPAIRED AS NEEDED.
- OWNER SHALL RETAIN AND MAKE STORMCEPTOR INSPECTION/MONITORING FORMS AVAILABLE TO HOWARD COUNTY OFFICIALS UPON THEIR REQUEST.



**UNDERGROUND STORMWATER MANAGEMENT DETAIL**  
SCALE 1"=5'

\*\*NOTE\*\* ALL PIPE JOINTS AND FITTINGS IN THE UNDERGROUND SWM FACILITY SHALL BE WATER TIGHT IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.



**Order Request Form**  
Precast Concrete Stormceptor

**Contractor Information**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Zip Code: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**Owner Information**

Name: THE COLUMBIA COMMUNITY CHURCH  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**IMPROVED DRAINAGE AREA FOR THIS UNIT**

Stormceptor Model	Insert Size	Manhole Number	Top Elevation (ft)	SC-1
900	22"	1200	509.60	509.60
1200	24"	1800	504.92	504.92
1800	24"	2400	504.83	504.83
2400	24"		504.78	504.78

Project Name: COLUMBIA COMMUNITY CHURCH  
Approximate time frame of delivery (weeks): \_\_\_\_\_  
Delivery Address: Street \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Designer Company: MILDENBERG, BOENDER & ASSOC., INC.  
Designer Contact: R.J. HIKMAT Phone 410-997-0296 Fax 410-997-0298

PLEASE FILL OUT COMPLETELY AND FAX TO:  
ATTN: ED O'MALLEY FAX: (703)922-3659, PHONE: (703)971-1900  
FOR TECHNICAL ASSISTANCE PLEASE CALL MIKE BARG,  
PHONE (703)971-1900

**DEVELOPER'S CERTIFICATE**

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

Signature of Developer: *Reginald L. Elliott* DATE: 1/6/2000  
Reginald L. Elliott  
PRINTED NAME OF DEVELOPER

**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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Engineer: *R. Jacob Hikmat* DATE: 2/6/00  
R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *Cheryl Simmons* DATE: 1-24-00  
CHERYL SIMMONS  
NATURAL RESOURCE CONSERVATION SERVICE

Signature: *John Blouin* DATE: 1-24-00  
JOHN BLOUIN  
HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Signature: *John Smith* DATE: 1/20/00  
John Smith  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
Signature: *Cathy Hamilton* DATE: 4/8/00  
Cathy Hamilton  
CHIEF, DIVISION OF LAND DEVELOPMENT  
Signature: *John Smith* DATE: 2/8/00  
John Smith



COLUMBIA COMMUNITY CHURCH  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
STORM DRAIN PROFILES AND SWM DETAILS

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax (301) 621-6521 Wash. (410) 997-0298 Fax

4 OF 6  
SDP 99-150

THIS PLAN IS FOR DELINEATING  
INLET DRAINAGE AREAS

**LEGEND**

- 1.9 AC. DA #1 Tc=0.19 HR C=55 FINAL DRAINAGE SUBAREA
- 0.53 AC. C=0.72 Tc=10 MIN R-20 INLET DRAINAGE SUBAREA
- Overall Drainage Area
- Final Drainage Subarea
- Inlet Drainage Subarea
- Steep Slopes (>25%)

**GENERAL NOTES**

- DRAINAGE AREA #1A IS TREATED BY UNDERGROUND STORMWATER MANAGEMENT SYSTEM.
- DRAINAGE AREA #1 IS EXISTING WOODS AND REMAINS UNTREATED.
- EXISTING INFILTRATION POND DRAINAGE AREA REMAINS UNCHANGED.

**SOILS LEGEND**

SYMBOL	SOIL TYPE
Fa (B)	FALLSINGTON LOAM
SfD2 (B)	SASSAFRAS GRAVELLY SANDY LOAM, 10 TO 15 PERCENT SLOPES, MODERATELY ERODED
AgC2 (B)	AURA GRAVELLY LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED
AgB2 (B)	AURA GRAVELLY LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED

**DEVELOPER'S CERTIFICATE**

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

*Reginald L. Elliott* 1/6/2000  
SIGNATURE OF DEVELOPER DATE  
REGINALD L. ELLIOTT  
PRINTED NAME OF DEVELOPER

**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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Hikmat* 1/1/99  
SIGNATURE OF ENGINEER DATE  
R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

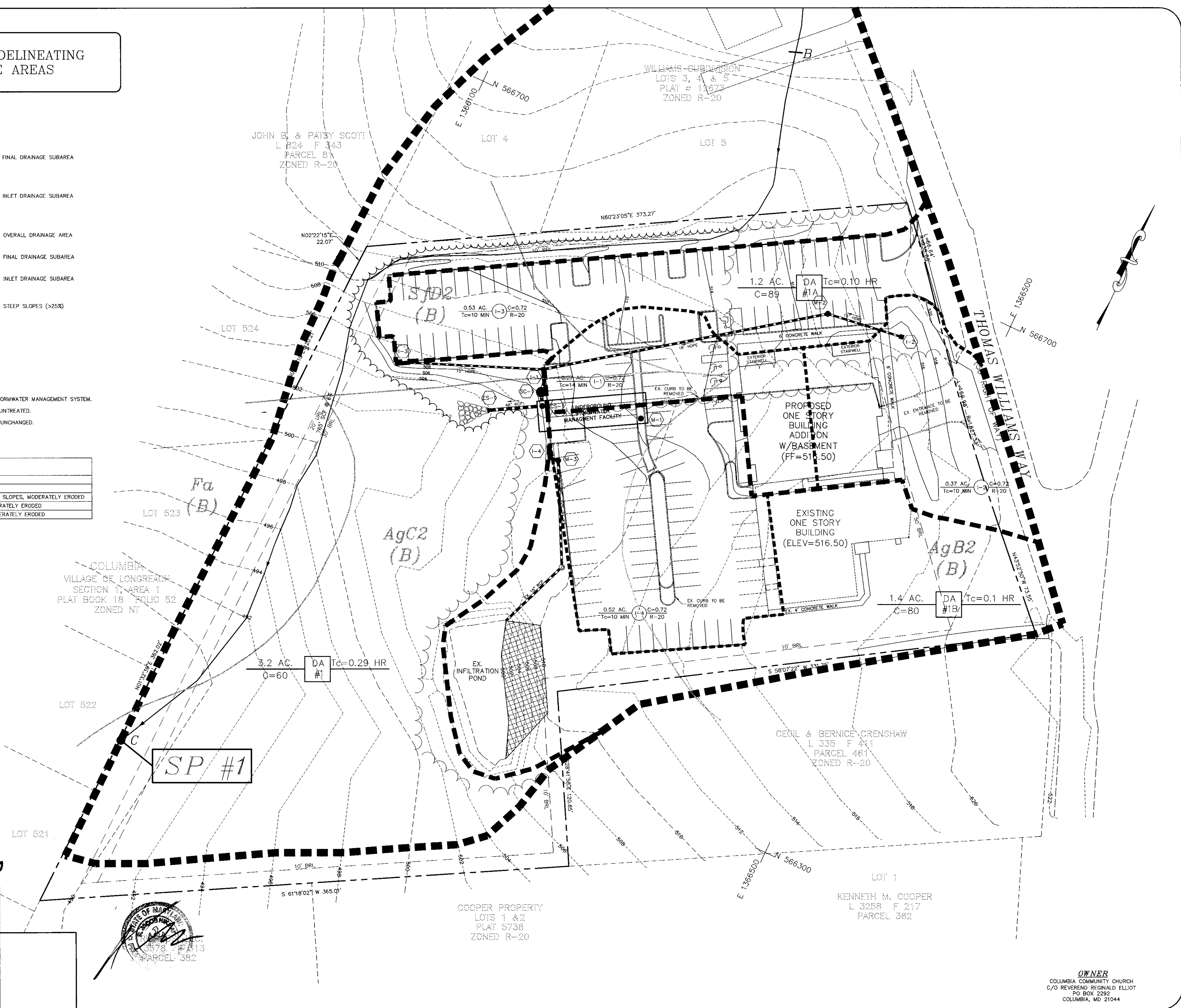
*Cheryl Simmons* 1-29-00  
USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

*Phillip Johnson* 1-24-00  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Cheryl Simmons* 1/27/00  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Cheryl Simmons* 2/8/00  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
*Phillip Johnson* 2/8/00  
DIRECTOR DATE



Project	date	description	revisions
97117.10	SBPT 1999	engineering	
KR	KR	approval	
scale	1"=30'		

no.	date	description	revisions

**COLUMBIA COMMUNITY CHURCH**  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
HOWARD COUNTY, MARYLAND  
SIXTH ELECTION DISTRICT  
INLET DRAINAGE AREA MAP

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax.

**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOTT  
PO BOX 2292  
COLUMBIA, MD 21044

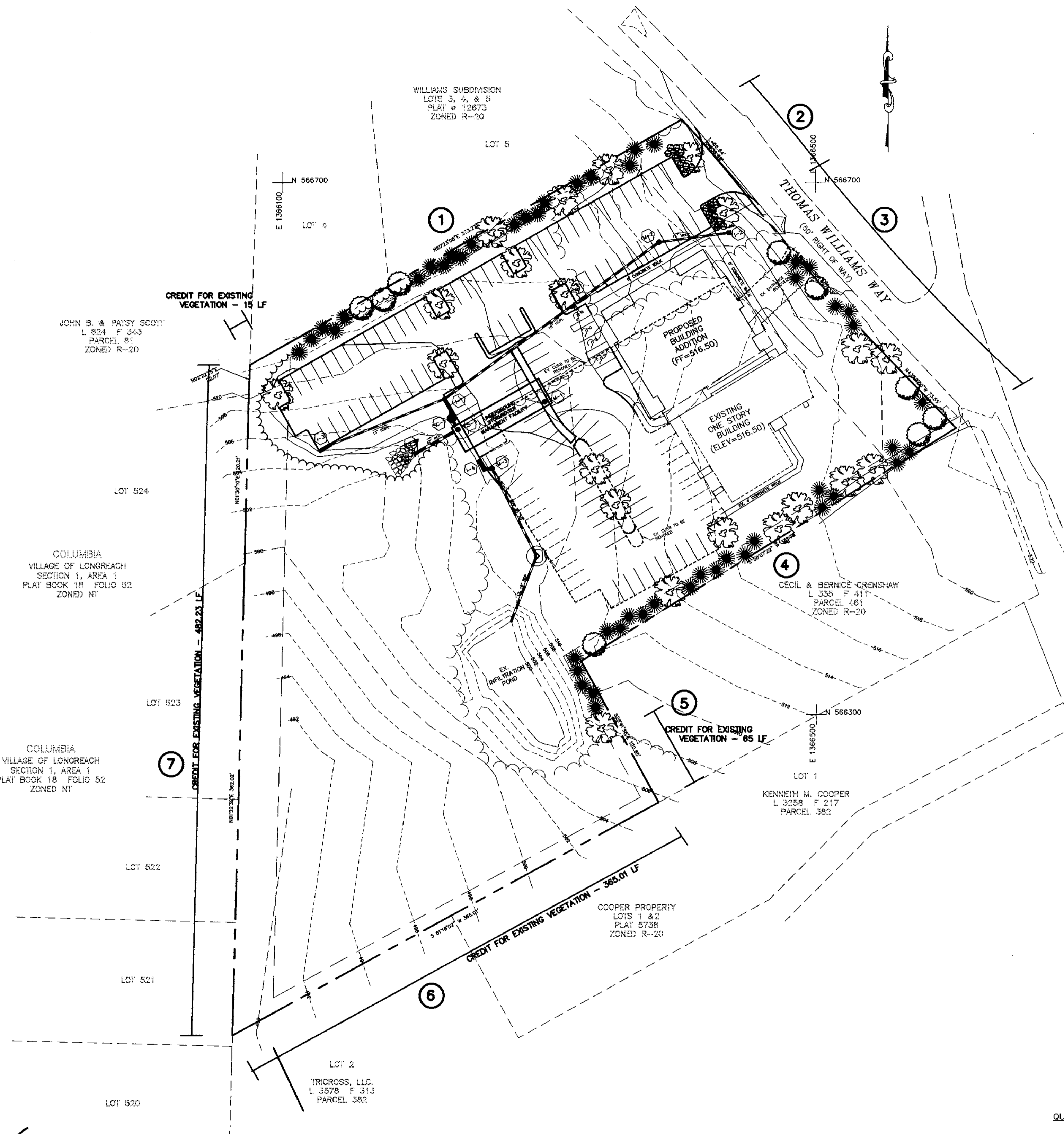
PERIMETER	EDGE TYPE
PERIMETER 1 PARKING TO SFD - 15 LF EXISTING TREES TO REMAIN	C
PARKING TO SFD - 358.27 LF 1 SHADE TREE / 40 LF 1 EVERGREEN / 20 LF	9 18
PERIMETER 2 PARKING TO ROAD - 82.40 LF 1 SHADE TREE / 40 LF 1 SHRUB / 4 LF	2 21
PERIMETER 3 NON-RES TO ROAD - 267.87 LF 1 SHADE TREE / 50 LF 1 EVERGREEN / 40 LF	5 7
PERIMETER 4 NON-RES & PARKING TO SFD - 331.75 LF 1 SHADE TREE / 40 LF 1 EVERGREEN / 20 LF	8 17
PERIMETER 5 SWM & NON-RES TO SFD - 65 LF EXISTING TREES TO REMAIN	C
SWM & NON-RES TO SFD - 55.85 LF 1 SHADE TREE / 40 LF 1 EVERGREEN / 20 LF	2 3
PERIMETER 6 NON-RES TO SFD - 385.01 LF EXISTING TREES TO REMAIN	C
PERIMETER 7 NON-RES TO SFD - 482.23 LF EXISTING TREES TO REMAIN	C
<b>TOTAL PLANTING OBLIGATION</b>	
SHADE TREES	26
EVERGREEN TREES	45
SHRUBS	21

**SCHEDULE B: PARKING LOT INTERNAL LANDSCAPING**

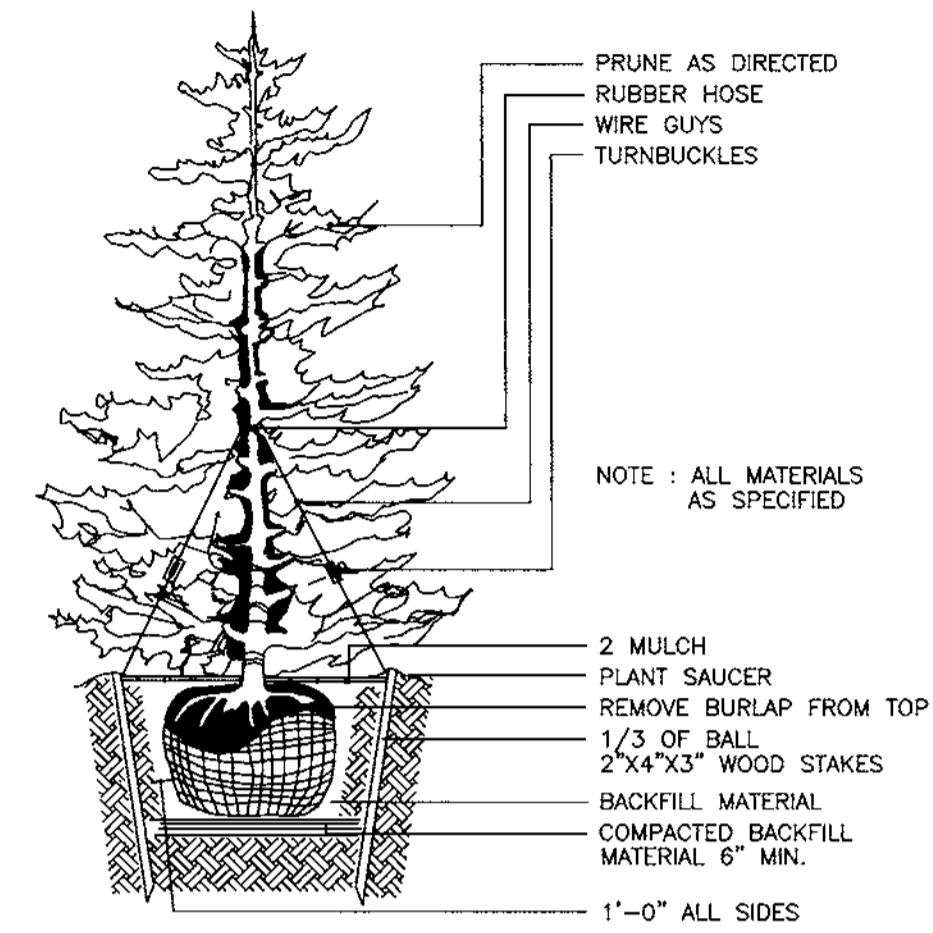
NUMBER OF PARKING SPACES	142
NUMBER OF PLANTING ISLANDS REQUIRED	7
NUMBER OF PLANTING ISLANDS PROVIDED	8
NUMBER OF TREES REQUIRED	7 SHADE TREES
NUMBER OF TREES PROVIDED	7 SHADE TREES
OTHER TREES (2:1 SUBSTITUTION)	0 TREES

**SCHEDULE A: PERIMETER LANDSCAPED EDGE**

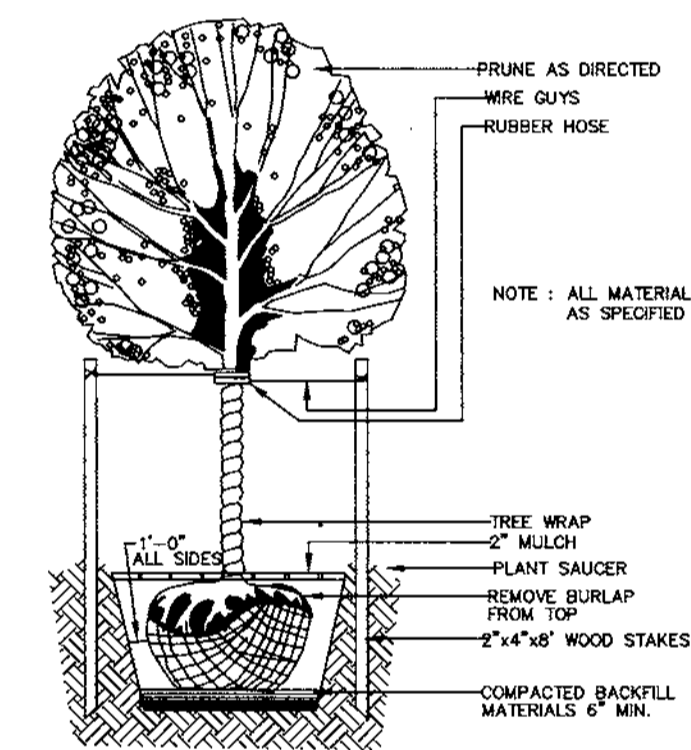
CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO ROADWAYS	ADJ. TO PERIMETER PROPERTIES
LANDSCAPE TYPE	E (PERIMETER 2)	B (PERIMETER 3)	C (PERIMETERS 1, 4 THRU 7)
LINEAR FEET OF PERIMETER	82.40 LF	267.87 LF	1,673.11
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO	YES - 927.74 LF
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO
NUMBER OF PLANTS REQUIRED			
SHADE TREES	2 SHADE TREES	5 SHADE TREES	19 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	7 EVERGREEN TREES	38 EVERGREEN TREES
SHRUBS	21 SHRUBS	0 SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED			
SHADE TREES	2 SHADE TREES	5 SHADE TREES	17 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	7 EVERGREEN TREES	38 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	2 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	21 SHRUBS	0 SHRUBS	0 SHRUBS



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



TYPICAL EVERGREEN TREE PLANTING DETAIL  
NOT TO SCALE



TYPICAL DECIDUOUS TREE PLANTING DETAIL  
NOT TO SCALE

- NOTES:**
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$17,280.00.
  - SWM LANDSCAPING IS NOT REQUIRED. SWM IS PROVIDED VIA UNDERGROUND SWM FACILITY.
  - SEE SHEET 3 FOR PERMANENT AND TEMPORARY SEEDING SPECIFICATIONS.

**LANDSCAPE REQUIREMENT PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
21	(Symbol)	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL.
9	(Symbol)	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLE LEAF LINDEN	2 1/2" - 3" CAL.
49	(Symbol)	PINUS STROBUS	EASTERN WHITE PINE	6' - 8' HT.
21	(Symbol)	TAXUS MEDIA 'HICKSII'	HICKS YEW	2 1/2" - 3" HT.

TOTAL  
100 PLANTS (30 SHADE TREES, 49 EVERGREEN TREES, 21 SHRUBS)

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature]  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature]  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
 [Signature]

DATE: 1/21/00  
 DATE: 2/8/00  
 DATE: 2/18/00

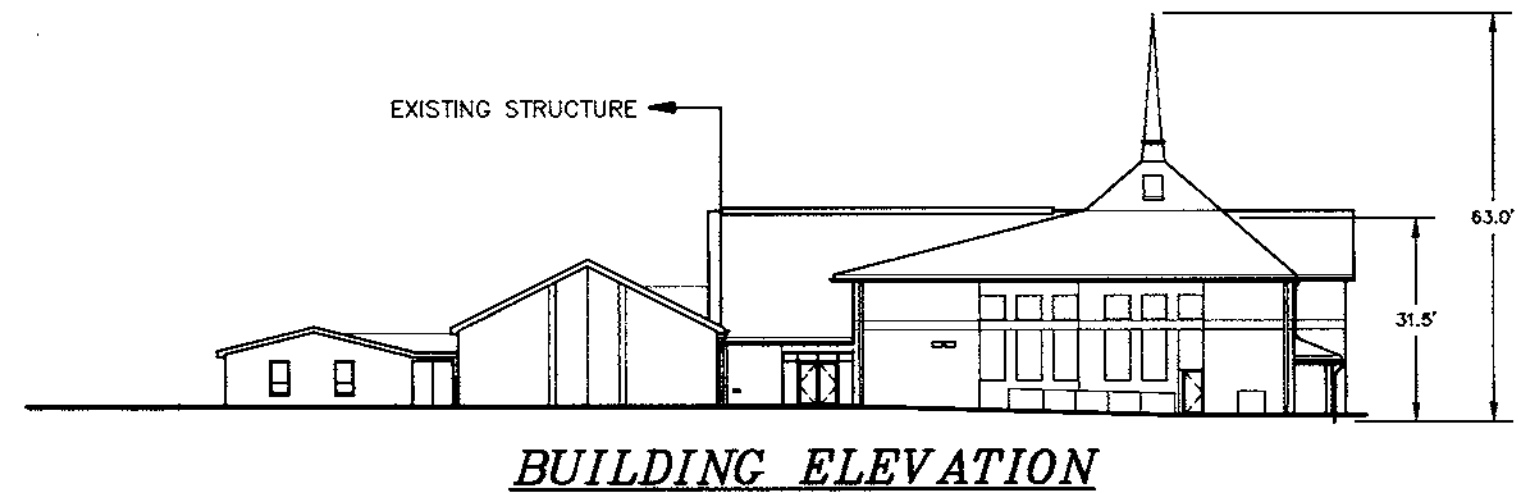
project	date	illustration	scale
97117.10	JULY 1999	KR/AS	1"=50'

description	revisions	date

**COLUMBIA COMMUNITY CHURCH**  
 BUILDING ADDITION  
 TAX MAP 30, PARCEL A  
 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT  
**LANDSCAPE PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Blight City, Maryland 21042  
 (410) 997-0296 Bldg. (301) 621-5521 Wash. (410) 997-0298 Fax.

SHEET INDEX	
1	SITE DEVELOPMENT PLAN
2	GRADING AND SEDIMENT CONTROL PLAN
3	SEDIMENT CONTROL NOTES AND DETAILS
4	STORMDRAIN PROFILES AND SWM DETAILS
5	DRAINAGE AREA MAP
6	LANDSCAPE PLAN



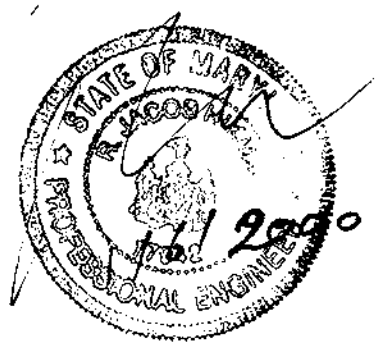
**BUILDING ELEVATION**  
NOT TO SCALE  
NOTE - THE MAXIMUM HEIGHT ALLOWED IN THE R-20 ZONING DISTRICT FOR THE PROPOSED CHURCH ADDITION IS 34' UNLESS OTHERWISE APPROVED BY THE BOARD OF APPEALS. STEEPLES, SPIRES AND BELFRIES ARE EXEMPT FROM HEIGHT RESTRICTIONS PER SECTION 128.23 OF ZONING REGULATIONS.

JOHN B. & PATSY SCOTT  
L 824 F 343  
PARCEL 81  
ZONED R-20

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, MARYLAND.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION WORK:  
 MISS UTILITY (800) 257-7777  
 Bell Atlantic (410) 725-9976  
 HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4900  
 AT&T CABLE LOCATION DIVISION (410) 308-3533  
 BALTIMORE GAS AND ELECTRIC (410) 685-0123  
 STATE HIGHWAY ADMINISTRATION (410) 531-5533  
 HOWARD COUNTY DEPT. PUBLIC WORKS/ CONSTRUCTION INSPECTIONS DIVISION (410) 725-9976
- SITE ANALYSIS:**  
 LOCATION: SIXTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND, TAX MAP 30, GRID 24, PARCELS 83 & 84  
 ZONING: R-20 AS PER THE 10/18/93 COMPREHENSIVE ZONING PLAN  
 EXISTING USE: RELIGIOUS FACILITY  
 PROPOSED USE: RELIGIOUS FACILITY  
 TOTAL AREA: 4.48 ACRES  
 EX. BUILDING: 4,157 SQ. FT. (2.8% EXISTING BUILDING COVERAGE FROM SDP 86-163)  
 PROP. ADDITION: 8,523 SQ. FT.  
 TOTAL BUILDING: 12,680 SQ. FT. (6.5% TOTAL SITE AREA COVERED)  
 PREVIOUS COUNTY FILE NUMBERS: SDP-86-163, F-93-27, BA #98-07E, F 99-185
- PARKING ANALYSIS:**  
 REQUIRED PARKING: (1 SPACE/3 SEATS) X 425 SEATS = 142 SPACES  
 EXISTING PARKING: = 34 SPACES  
 PROPOSED PARKING: = 108 SPACES (INC. 5 HANDICAPPED SPACES)  
 PROVIDED PARKING: = 142 SPACES (INC. 5 HANDICAPPED SPACES)
- TOPOGRAPHY** BASED ON FIELD RUN TOPOGRAPHIC SURVEY BY MILDENBERG, BOENDER AND ASSOCIATES, INC., OCTOBER 1998.
- BOUNDARY** SHOWN HEREON BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT OCTOBER 1998 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- COORDINATES** REFERENCED ARE BASED ON THE NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL.  
 STATION 30FA N 568,621.329 E 1,361,564.037  
 STATION 30IA N 567,509.955 E 1,364,842.701
- PUBLIC WATER** AND SEWER PREVIOUSLY PROVIDED UNDER CONTRACTS 24-1540-D AND 20-1091. PROPOSED WATER HOUSE CONNECTION TO MAINTAIN 1.0' CLEARANCE OF EXISTING SEWER HOUSE CONNECTION.
- STORMWATER** MANAGEMENT PROVIDED BY STORMCEPTOR AND UNDERGROUND DETENTION.
- NO FLOODPLAIN, STREAMS, OR WETLANDS EXIST ON SITE.
- PROPERTY SUBJECT TO BOARD OF APPEALS CASE 98-07E DATED JUNE 18, 1998, PERMITTING EXPANSION OF THE EXISTING RELIGIOUS FACILITY.
- ALL OUTDOOR LIGHTING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH HOWARD COUNTY ZONING REGULATIONS, SECTION 134.
- ALL PROPOSED PAVING TO BE P-1 MINIMUM, EXCEPT WHERE OTHERWISE NOTED. (SEE DETAIL SHEET 4)
- SOILS DATA SHOWN BASED ON HOWARD COUNTY SOILS SURVEY, DATED 1968, SHEET 25.
- MAIN ENTRANCE TO THE BUILDING TO BE HANDICAPPED ACCESSIBLE.
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
- ALL PLAN DIMENSIONS ARE TO BOTTOM FACE OF CURB UNLESS OTHERWISE NOTED.
- NO HISTORICAL STRUCTURES ARE LOCATED ON OR ADJACENT TO THE SITE.
- HISTORIC BLACK CEMETERY WITH ONE GRAVE LOCATED ON PARCEL 81. CEMETERY REFERENCE # 30-1.
- NO SCENIC ROAD ABUTS THE SITE.
- NO IMPROVEMENTS ARE REQUIRED FOR THOMAS WILLIAMS WAY.
- PARCEL 84 AND LOTS 1 & 2 OF THE JR PROPERTY HAVE BEEN CONSOLIDATED INTO PARCEL "A" VIA RECORD PLAT F-99-185.
- ALL FILLET RADIUS ARE 5' UNLESS OTHERWISE NOTED.
- NO DUMPSTER PROVIDED. RESIDENTIAL TRASH RECEPTACLES ARE TO BE UTILIZED.
- DENOTES NEW PAVING OR OVERTOPPING FOR EXISTING PAVEMENT.
- EXISTING AND PROPOSED STORMWATER MANAGEMENT SYSTEMS ARE PRIVATELY OWNED AND MAINTAINED.
- EXISTING AND PROPOSED WATER METERS LOCATED INSIDE BUILDING.
- FOREST CONSERVATION OBLIGATIONS HAVE BEEN MET BY FILING A DECLARATION OF INTENT FOR THE CREATION OF A FOREST ON SINGLE PARCEL, PER SECTION 16.1202(B)(2)(I) OF THE HOWARD CO. CODE.  
 THAN 40,000 SQ. FT. OF FOREST ON SINGLE PARCEL.
- FRONT SETBACK IS BASED ON THE HOWARD COUNTY ZONING REQUIREMENTS FOR ROADS CONSTRUCTED BEFORE OCTOBER 18, 1993.
- URL - DENOTES USE RESTRICTION LINE BRL - DENOTES BUILDING RESTRICTION LINE.

NOTE: THIS DRAWING IS TO BE USED FOR SITE LAYOUT PURPOSES ONLY.



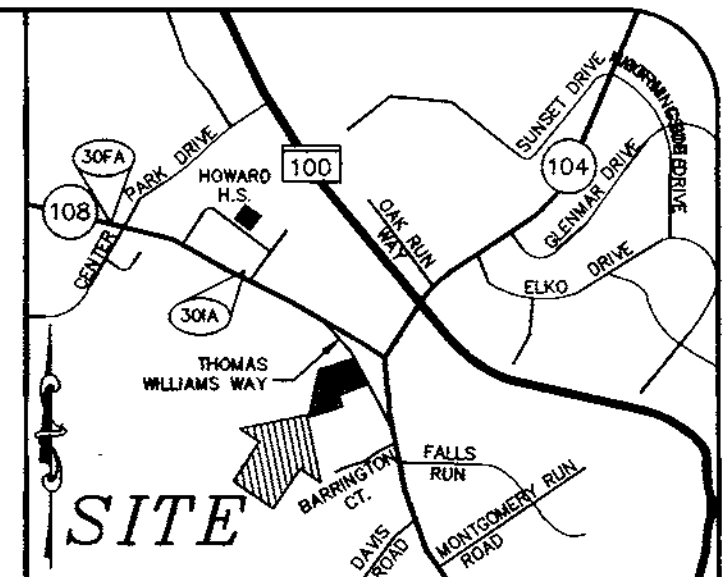
**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOT  
PO BOX 2292  
COLUMBIA, MD 21044

**TRICROSS, LLC.**  
L 3578 F 313  
PARCEL 382

ADDRESS CHART	
LOT/PARCEL NO.	STREET ADDRESS
PARCEL A	8516 THOMAS WILLIAMS WAY

PERMIT INFORMATION CHART				
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #	TAX MAP	ELEC. DIST.
THE COLUMBIA COMMUNITY CHURCH		PARCEL "A"	30	SIXTH
PLAT # OR L/F	BLOCK #	ZONE	SEWER CODE	CENSUS TRACT
14093	24	R-20	5338600	6065.01
WATER CODE	SEWER CODE			
0-07	5338600			

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 1/2/00  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature] 2/8/00  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
 [Signature] 2/8/00  
 DIRECTOR



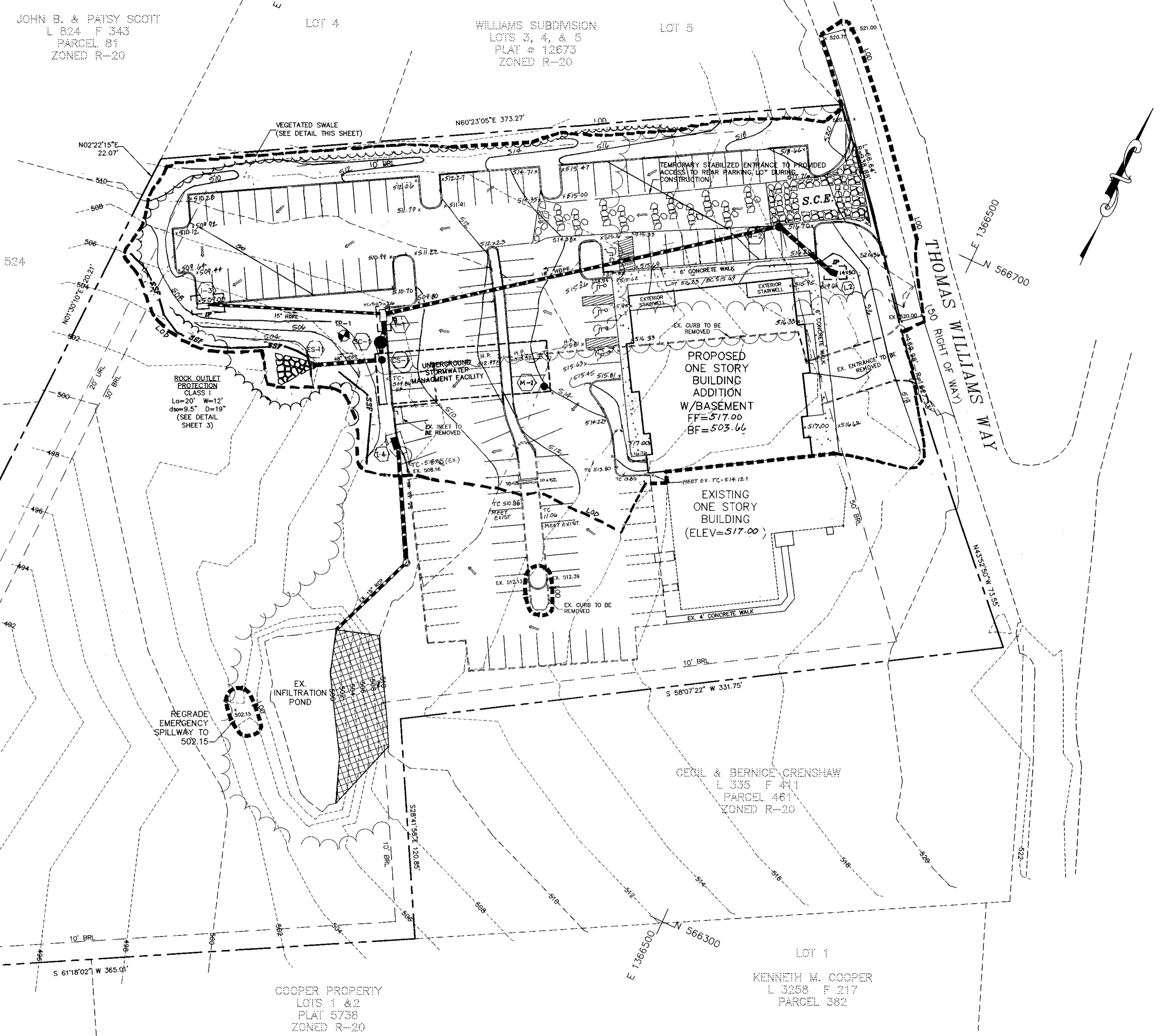
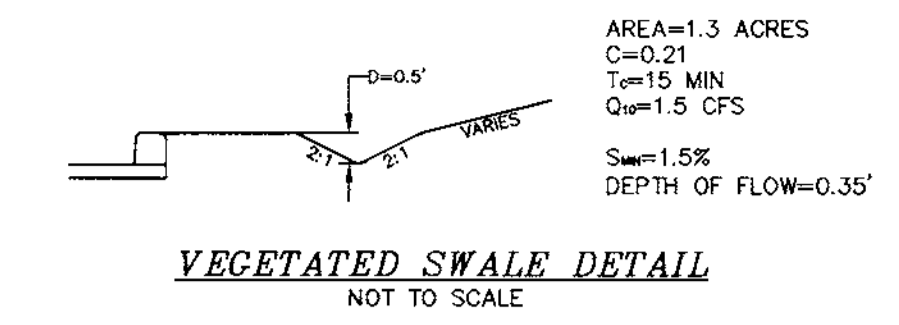
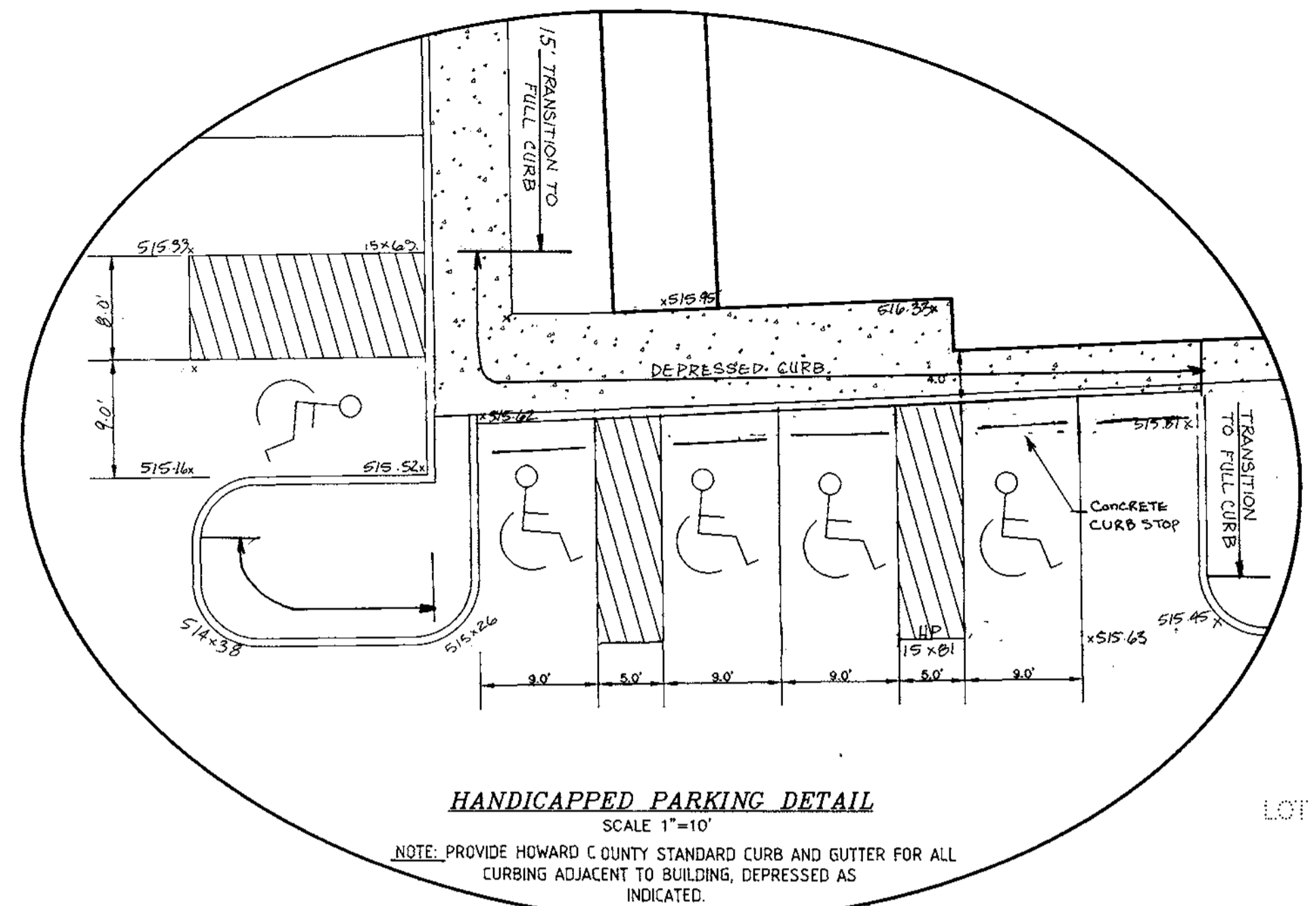
VICINITY MAP  
SCALE 1"=2000'

Project	Date	Scale	Description	Revisions
97117.10	4/13/00	1"=30'	REVISED SIDEWALK ADJACENT TO BUILDING, REVISED PER REVISED PER ELEVATION AND ASSOCIATED GRADING, RELOCATED	

Project	Date	Scale	Description	Revisions
97117.10	4/13/00	1"=30'	REVISED SIDEWALK ADJACENT TO BUILDING, REVISED PER REVISED PER ELEVATION AND ASSOCIATED GRADING, RELOCATED	

**COLUMBIA COMMUNITY CHURCH**  
 BUILDING ADDITION  
 TAX MAP 30, PARCEL A  
 SIXTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SITE DEVELOPMENT PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Buit. (301) 621-5521 Wash. (410) 997-0298 Fax.



- LEGEND**
- SSP SUPER SILT FENCE
  - LOD LIMIT OF DISTURBANCE
  - S.C.E. STABILIZED CONSTRUCTION ENTRANCE
  - FLOW DIRECTION
  - IP INLET PROTECTION
  - STEEP SLOPES (>25%)

**DEVELOPER'S CERTIFICATE**

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

*Reginald L. Elliott* 1/6/2000  
SIGNATURE OF DEVELOPER DATE

**REGINALD L. ELLIOTT**  
PRINTED NAME OF DEVELOPER

---

**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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. JACOB HIKMAT* 1/6/2000  
SIGNATURE OF ENGINEER DATE

**R. JACOB HIKMAT**  
PRINTED NAME OF ENGINEER

---

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Clay Simmons* 1-24-00  
USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

---

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

*John Robertson* 1-24-00  
HOWARD SOIL CONSERVATION DISTRICT DATE

---

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John Robertson* 1/25/00  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Conrad Hamilton* 2/8/00  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*John Robertson* 2/8/00  
DIRECTOR DATE

NOTE: THIS DRAWING IS TO BE USED FOR GRADING AND SEDIMENT CONTROL ONLY.

**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOTT  
PO BOX 2292  
COLUMBIA, MD 21044

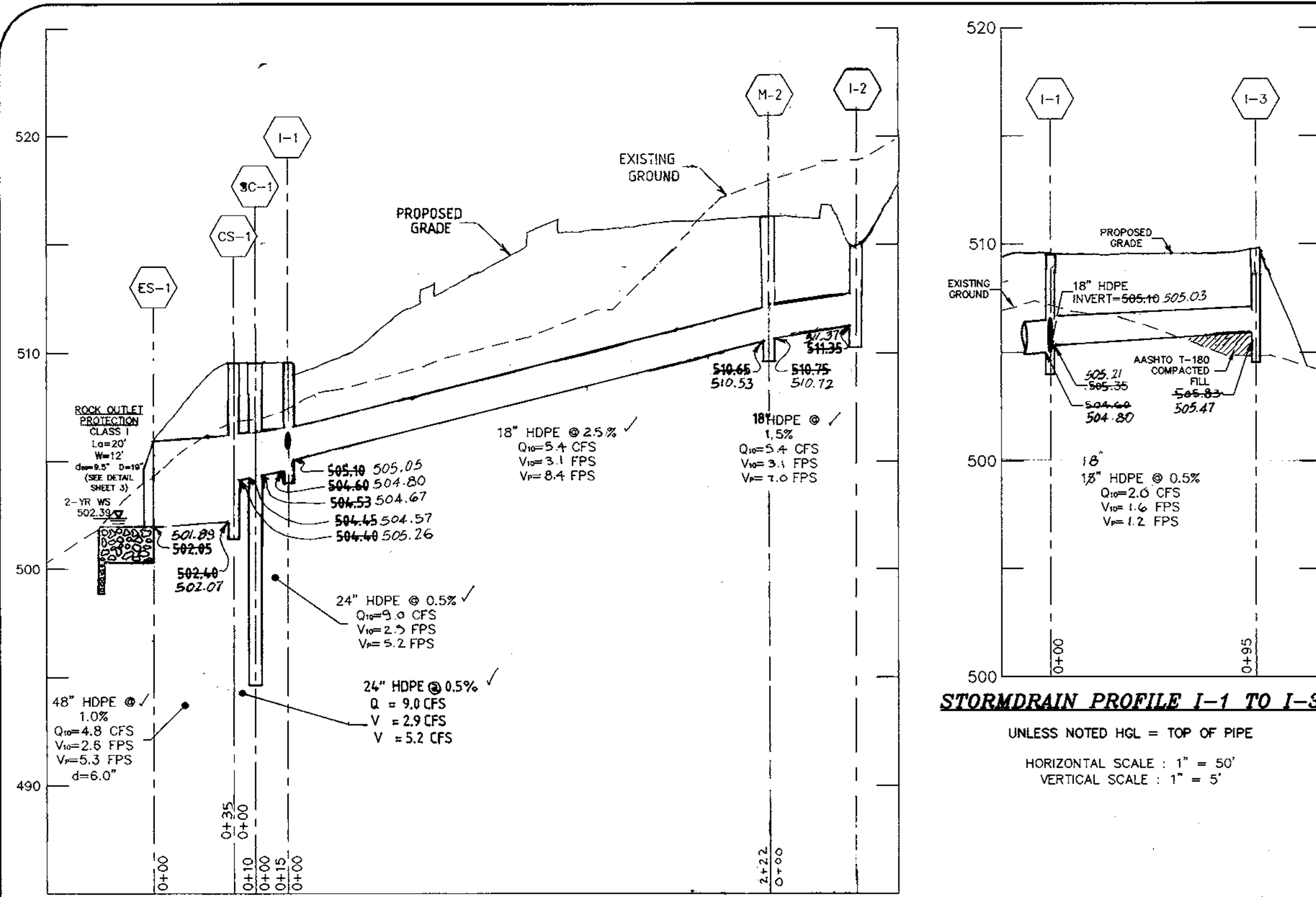
Project	97117.10	date	SEPT 1999
Illustration	KR	engineering	KR
scale	1"=30'	approval	

no.	1	description	REVISED SOIL BANK AGREEMENT TO INCLUDE REVISED FEMA REVISION ELEVATION ASSOCIATED GRADING	date	4/13/00
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**COLUMBIA COMMUNITY CHURCH**  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
GRADING AND SEDIMENT CONTROL PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsy Hill Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0236 Fax: (301) 521-5521 Wash. (410) 997-0238 Fax





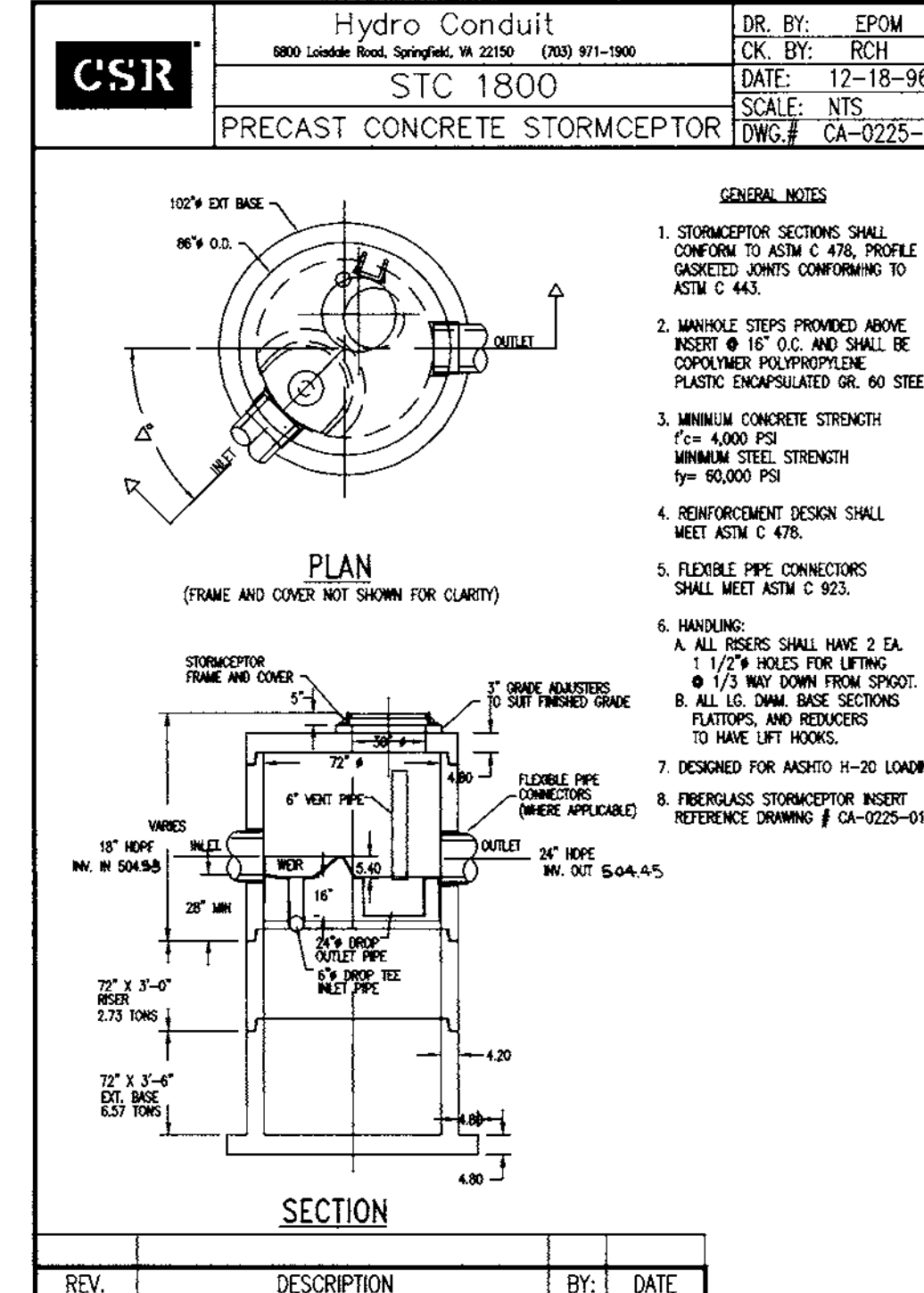
STRUCTURE	INVERT IN	INVERT OUT	TOP ELEV.	DESCRIPTION
CS-1	504.48	502.40	509.79	CONTROL STRUCTURE
ES-1	502.05	502.05	502.80	HO. CO. STANDARD END SECTION (SD 5.61)
I-1	506.10	504.40	505.36	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
I-2	506.10	504.40	505.36	HO. CO. STANDARD "K" TYPE INLET (SD 4.12)
I-3	506.10	504.40	505.36	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
I-4	506.10	504.40	505.36	HO. CO. STANDARD "A-5" TYPE INLET (SD 4.01)
M-1	502.55	502.55	512.50	HO. CO. STANDARD MANHOLE (G 5.11) D=8.0"
M-2	514.10	511.35	516.50	HO. CO. STANDARD 4" BRICK MANHOLE (G 5.01)
SC-1	504.67	504.57	509.67	STORMCEPTOR 1800

**UNDERGROUND STORMWATER MANAGEMENT FACILITY MAINTENANCE SCHEDULE**

- REMOVE INLET GRATES AND INSPECT FOR DEBRIS EACH JANUARY 2, APRIL 1, JULY 1, SEPTEMBER 30, AND NOVEMBER 30. REMOVE ACCUMULATED LEAVES, TWIGS, SEDIMENT AND OTHER DEBRIS AS REQUIRED TO KEEP THE INLETS CLEAN.
- ON A SEMI-ANNUAL BASIS, INSPECT CONTROL STRUCTURES FOR ANY ACCUMULATED DEBRIS AT THE TRASH RACK REMOVE ANY DEBRIS FOUND DURING THE INSPECTION.
- ON AN ANNUAL BASIS, INSPECT THE DETENTION SYSTEM PIPING FOR DEBRIS OR SEDIMENT ACCUMULATION AND FOR SYSTEM INTEGRITY. REMOVE ANY ACCUMULATED FOREIGN MATERIALS.
- NOTIFY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS OF ANY PROBLEMS OR FAILURES OBSERVED IN THIS SYSTEM.

**STORMCEPTOR OPERATION AND MAINTENANCE SCHEDULE**

- STORMCEPTOR WATER QUALITY STRUCTURES WILL REQUIRE PERIODIC INSPECTION AND CLEANING TO MAINTAIN OPERATION AND FUNCTION. OWNERS WILL HAVE THE STORMCEPTOR UNIT INSPECTED YEARLY OR AS REQUIRED BY HOWARD COUNTY. UTILIZING THE STORMCEPTOR INSPECTION/MONITORING FORM. INSPECTIONS CAN BE DONE BY USING A CLEAR PLEXIGLASS TUBE ("SLUDGE JUDGE") TO EXTRACT A WATER COLUMN SAMPLE. WHEN SEDIMENT DEPTHS EXCEED THE SPECIFIED LEVEL (TABLE 6 OF TECHNICAL MANUAL) THEN CLEANING OF THE UNIT IS REQUIRED.
- STORMCEPTOR WATER QUALITY STRUCTURES MUST BE CHECKED AND CLEANED IMMEDIATELY AFTER PETROLEUM SPILLS. CONTACT APPROPRIATE REGULATORY AGENCIES.
- MAINTENANCE OF STORMCEPTOR UNITS SHOULD BE DONE BY A VACUUM TRUCK WHICH WILL REMOVE THE WATER, SEDIMENT DEBRIS, FLOATING HYDROCARBONS AND OTHER MATERIALS IN UNIT. THE PROPER CLEANING AND DISPOSAL OF THE REMOVED MATERIALS AND LIQUID MUST BE FOLLOWED.
- INLET AND OUTLET PIPES MUST BE CHECKED FOR ANY OBSTRUCTIONS AND IF ANY OBSTRUCTIONS ARE FOUND THEY MUST BE REMOVED. STRUCTURAL PARTS OF THE STORMCEPTOR WILL BE REPAIRED AS NEEDED.
- OWNER SHALL RETAIN AND MAKE STORMCEPTOR INSPECTION/MONITORING FORMS AVAILABLE TO HOWARD COUNTY OFFICIALS UPON THEIR REQUEST.



**Order Request Form Precast Concrete Stormceptor**

**Contractor Information**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Zip Code: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**Owner Information**

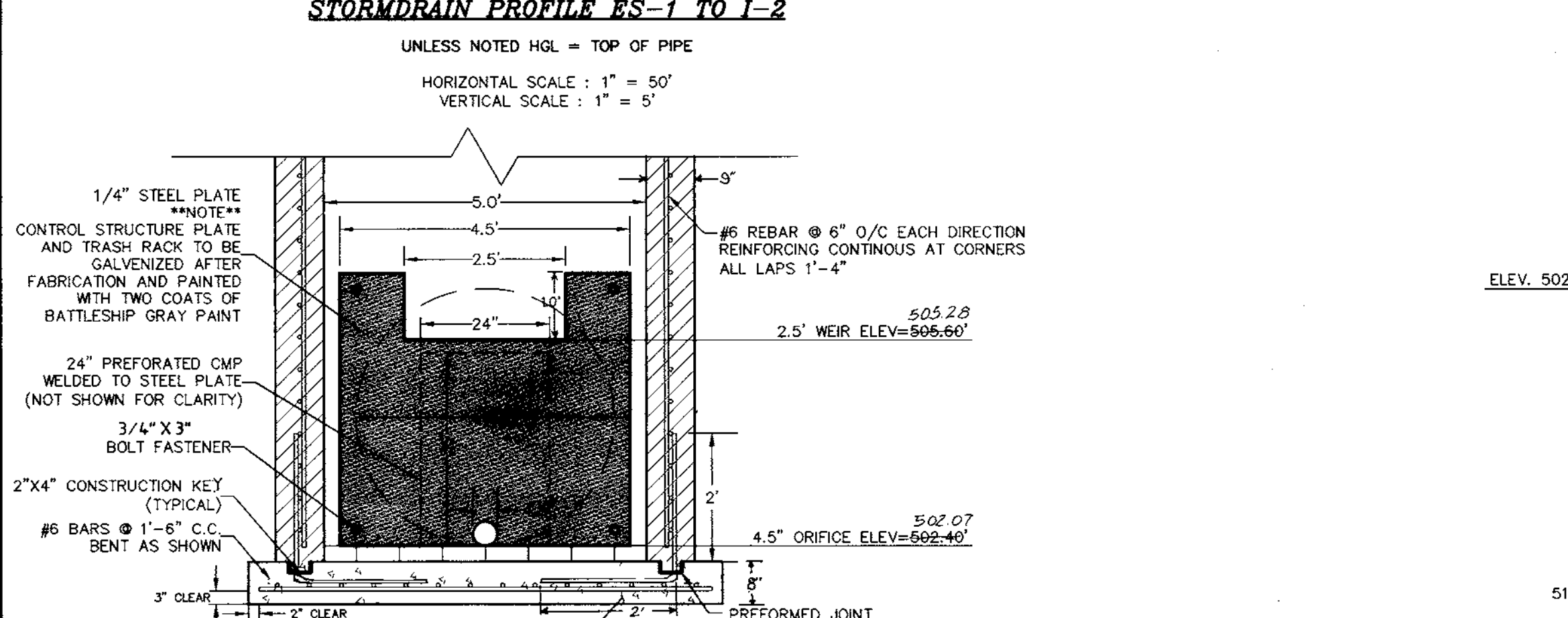
Name: THE COLUMBIA COMMUNITY CHURCH  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Zip Code: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

**IMPERVIOUS DRAINAGE AREA FOR THIS UNIT**

Stormceptor Model	Insert Size
3600	SINGLE INLET DISK
4800	MULTIPLE INLET DISK
6000	
7200	

Project Name: COLUMBIA COMMUNITY CHURCH  
Approximate time frame of delivery (weeks): \_\_\_\_\_  
Delivery Address: Street \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Designer Company: MILDENBERG, BOENDER & ASSOC., INC.  
Designer Contact: R.J. HIKMAT Phone: 410-997-0296 Fax: 410-997-0298

PLEASE FILL OUT COMPLETELY AND FAX TO:  
ATTN: ED O'MALLEY FAX: (703)922-3659, PHONE: (703)971-1900  
FOR TECHNICAL ASSISTANCE PLEASE CALL MIKE BARG,  
PHONE (703)971-1900

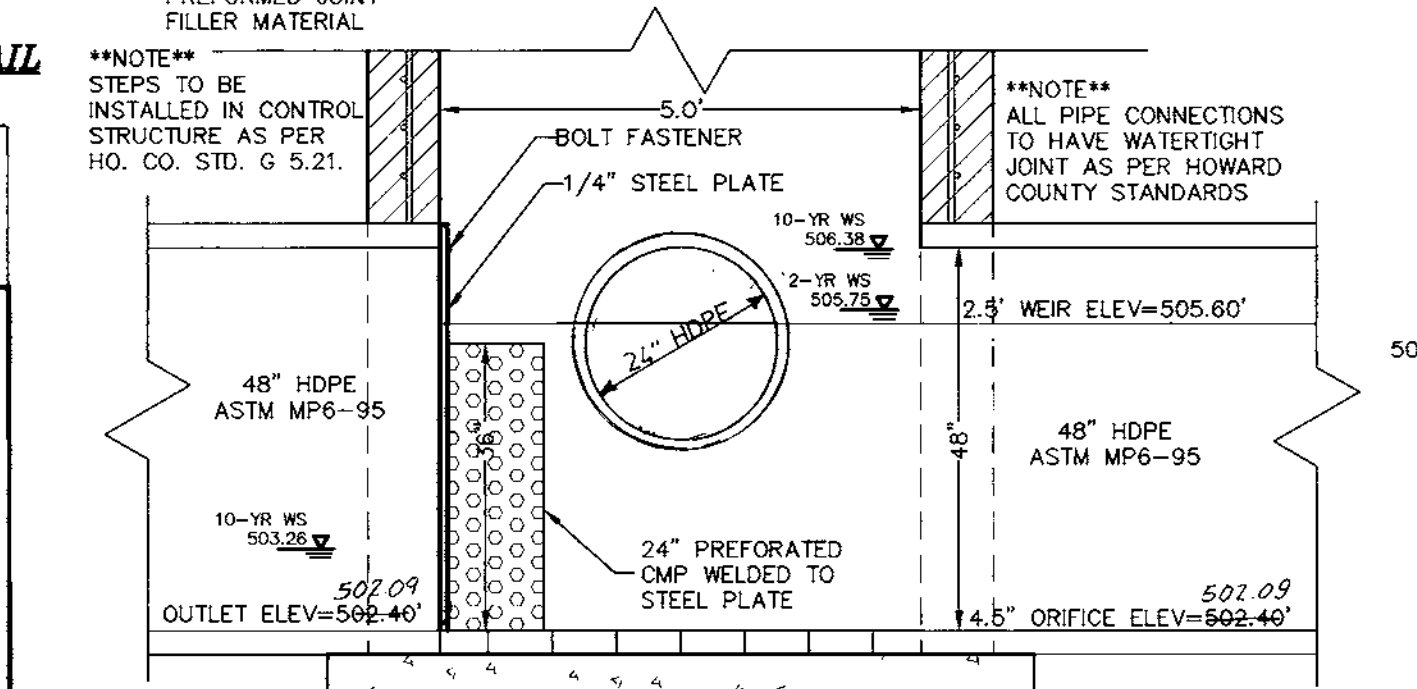


**DEVELOPER'S CERTIFICATE**

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

Signature: *Reginald L. Elliott*  
DATE: 1/6/2000

Signature: *Reginald L. Elliott*  
PRINTED NAME OF DEVELOPER



**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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Jacob Hikmat*  
DATE: 2/6/00

Signature: *R. Jacob Hikmat*  
PRINTED NAME OF ENGINEER

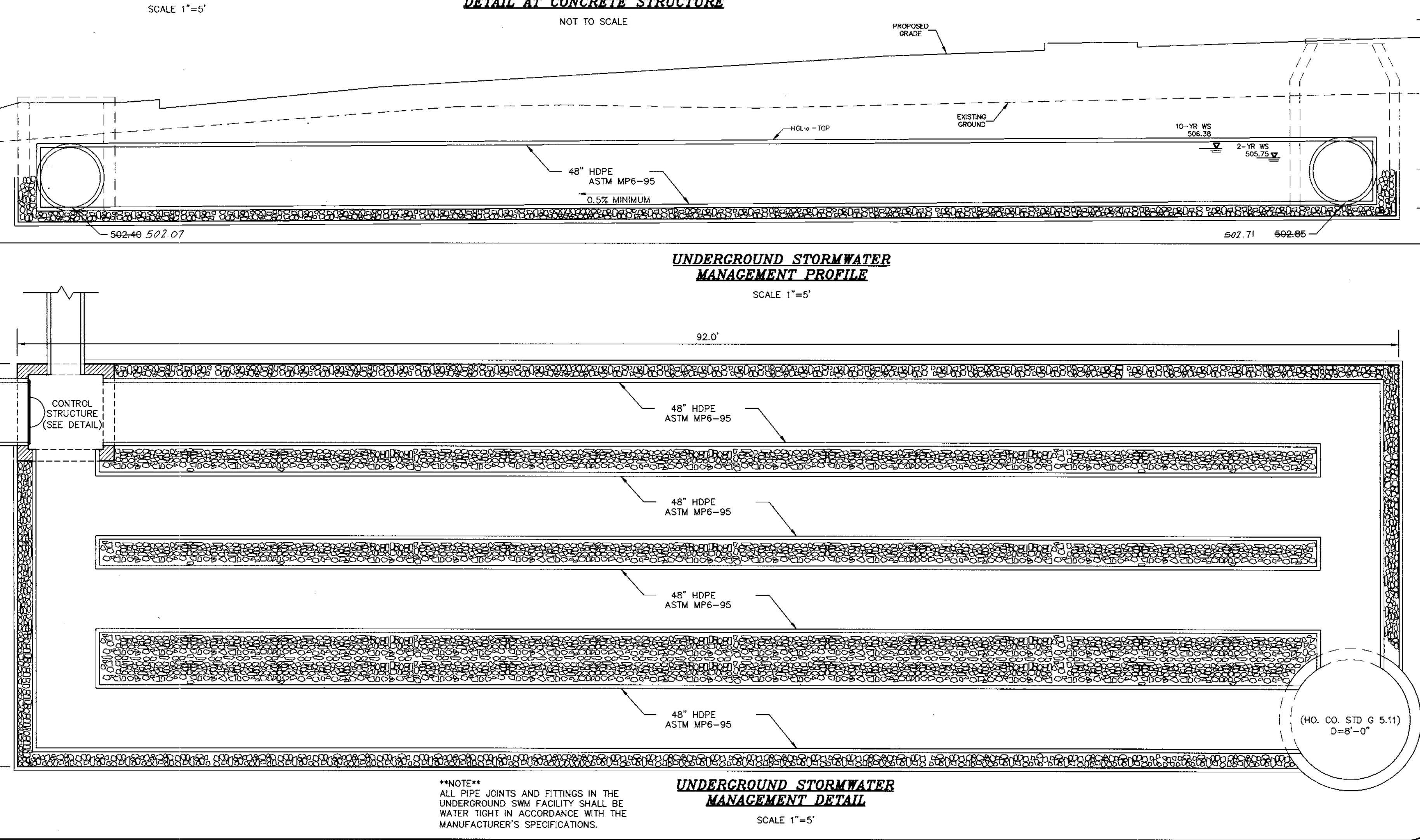
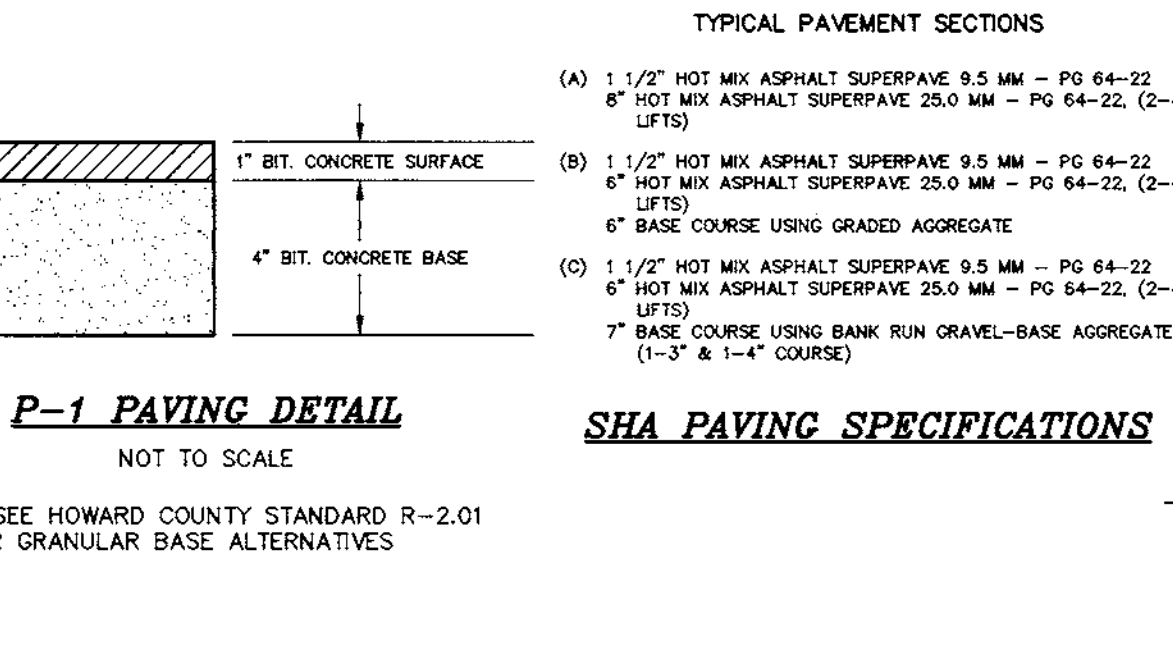
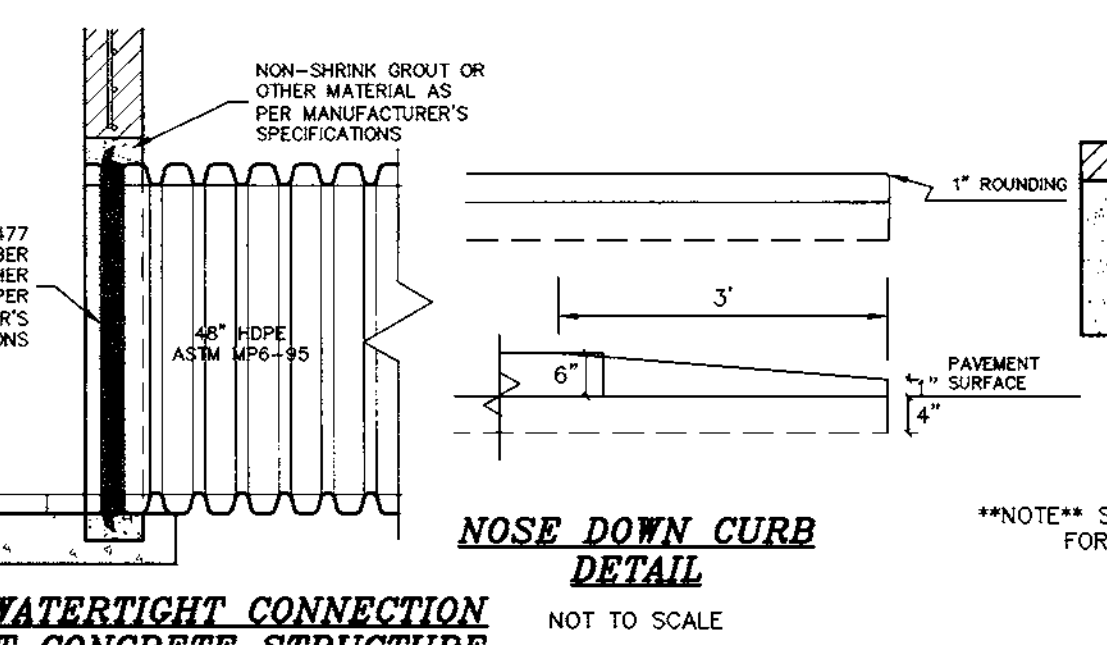
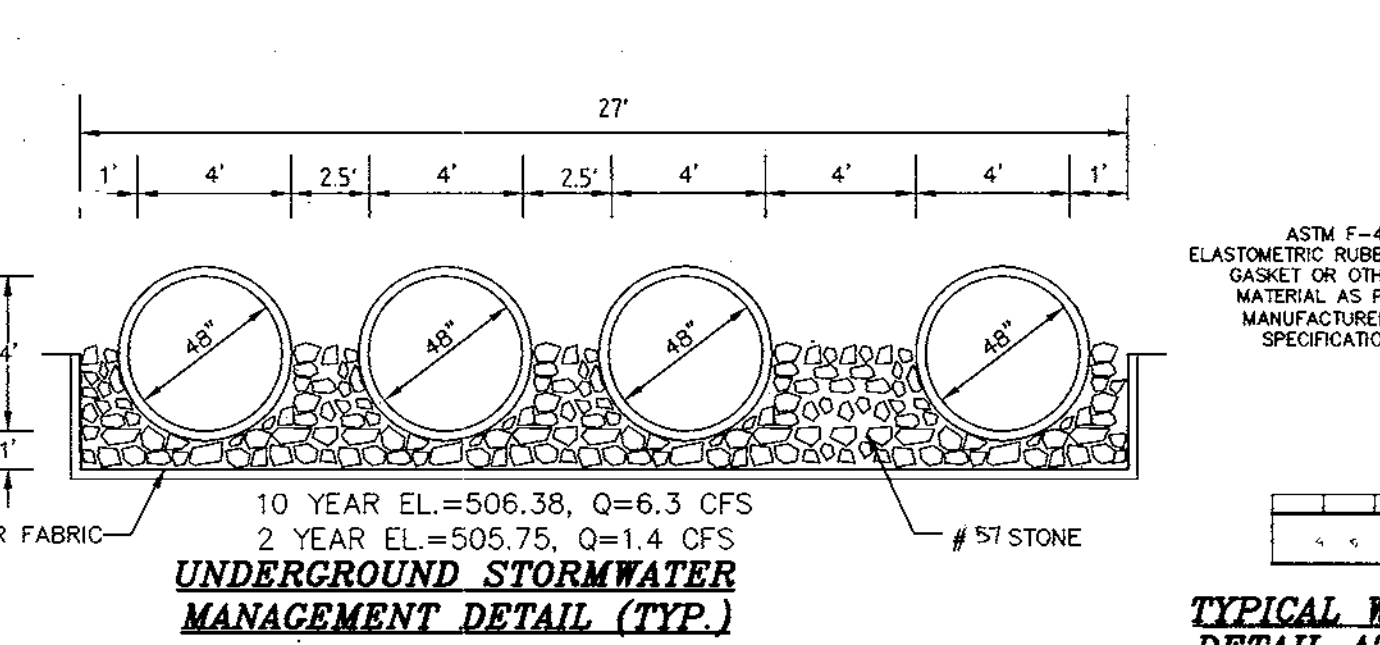
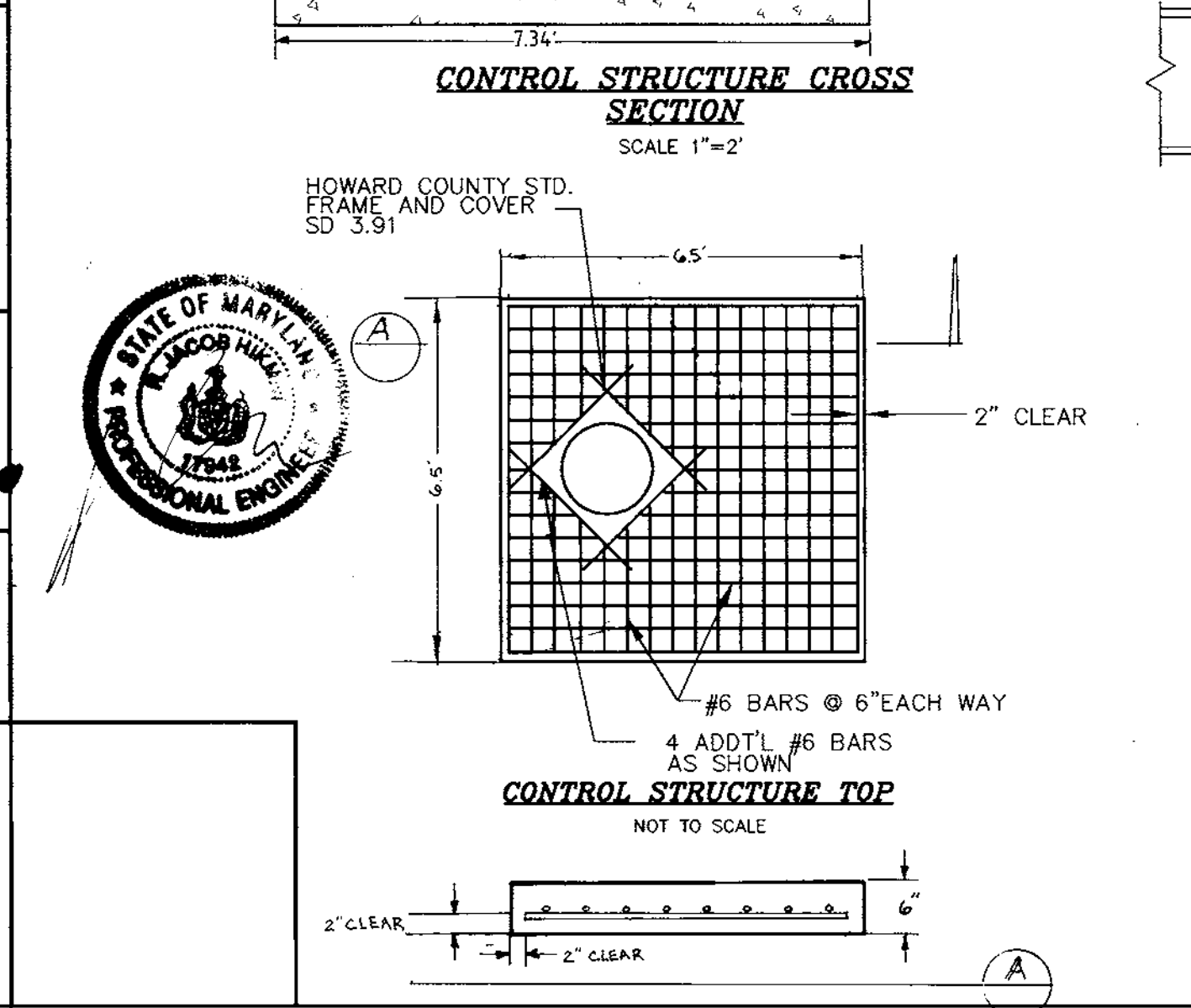
Signature: *Chief Simmons*  
DATE: 1-24-00

Signature: *John Robertson*  
DATE: 1-24-00

Signature: *Chief Hamilton*  
DATE: 4/10/00

Signature: *Chief Hamilton*  
DATE: 4/10/00

Signature: *Chief Hamilton*  
DATE: 4/10/00



**UNDERGROUND STORMWATER MANAGEMENT DETAIL**  
SCALE 1"=5'

\*\*NOTE\*\*  
ALL PIPE JOINTS AND FITTINGS IN THE UNDERGROUND SWM FACILITY SHALL BE WATER TIGHT IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THIS PLAN IS FOR DELINEATING  
INLET DRAINAGE AREAS

**LEGEND**

- 1.9 AC. DA #1 Tc=0.19 HR C=55 FINAL DRAINAGE SUBAREA
- 0.53 AC. Tc=10 MIN C=0.72 R=20 INLET DRAINAGE SUBAREA
- OVERALL DRAINAGE AREA
- FINAL DRAINAGE SUBAREA
- INLET DRAINAGE SUBAREA
- STEEP SLOPES (>25%)

**GENERAL NOTES**

1. DRAINAGE AREA #1A IS TREATED BY UNDERGROUND STORMWATER MANAGEMENT SYSTEM.
2. DRAINAGE AREA #1 IS EXISTING WOODS AND REMAINS UNTREATED.
3. EXISTING INFILTRATION POND DRAINAGE AREA REMAINS UNCHANGED.

**SOILS LEGEND**

SYMBOL	SOIL TYPE
Fa (B)	FALLSINGTON LOAM
SD2 (B)	SASSAFRAS GRAVELLY SANDY LOAM, 10 TO 15 PERCENT SLOPES, MODERATELY ERODED
AgC2 (B)	AURA GRAVELLY LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED
AgB2 (B)	AURA GRAVELLY LOAM, 5 TO 10 PERCENT SLOPES, MODERATELY ERODED

**DEVELOPERS CERTIFICATE**

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

*Reginald L. Elliott* 1/6/2000  
SIGNATURE OF DEVELOPER DATE

REGINALD L. ELLIOTT  
PRINTED NAME OF DEVELOPER

---

**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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Hikmat* 1/1/99  
SIGNATURE OF ENGINEER DATE

R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

---

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Cheyl Simmons* 1-24-00  
NSDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

---

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

*Phillip Johnson* 1-24-00  
HOWARD SOIL CONSERVATION DISTRICT DATE

---

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 1/2/00  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*[Signature]* 2/8/00  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*[Signature]* 2/8/00  
DIRECTOR DATE



project	97117.10	date	SEPT 1999
illustration	KR	engineering	KR
scale	1"=90'	approval	

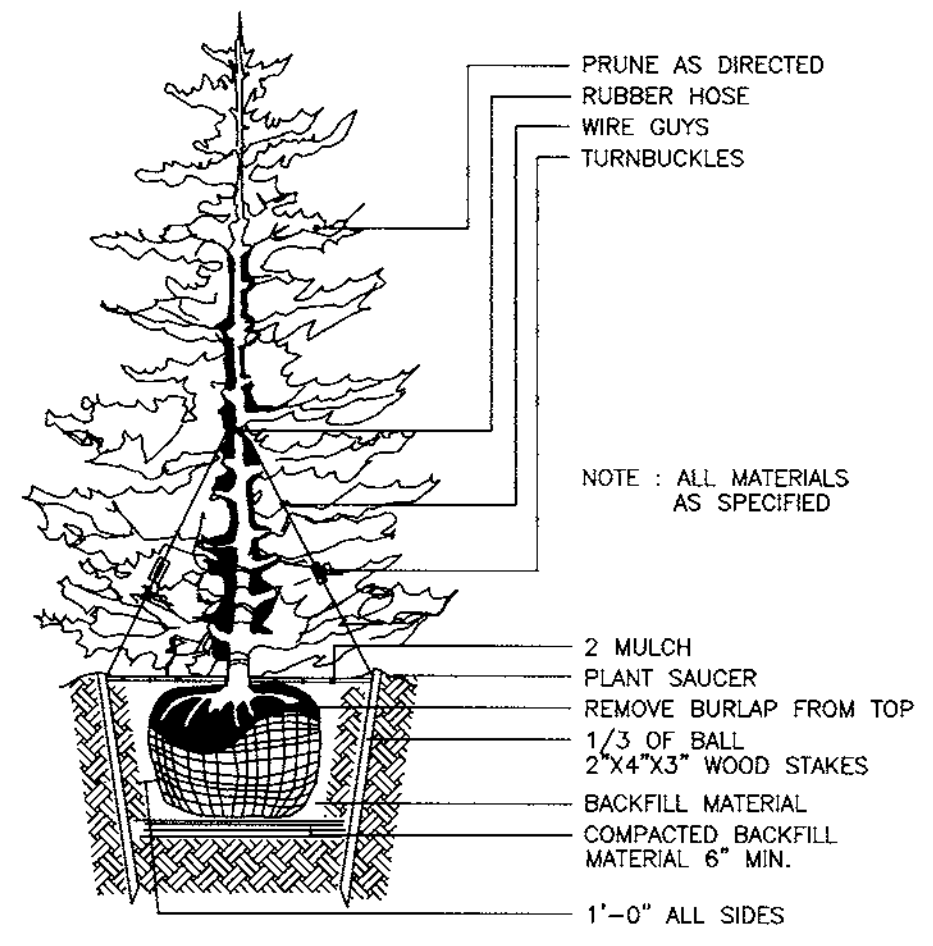
1	REVISED FF ELEVATION AND ASSOCIATED GRADING, UPDATED INLET DRAINAGE AREAS	4/13/00	date
no.	description	revisions	date

**COLUMBIA COMMUNITY CHURCH**  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
INLET DRAINAGE AREA MAP

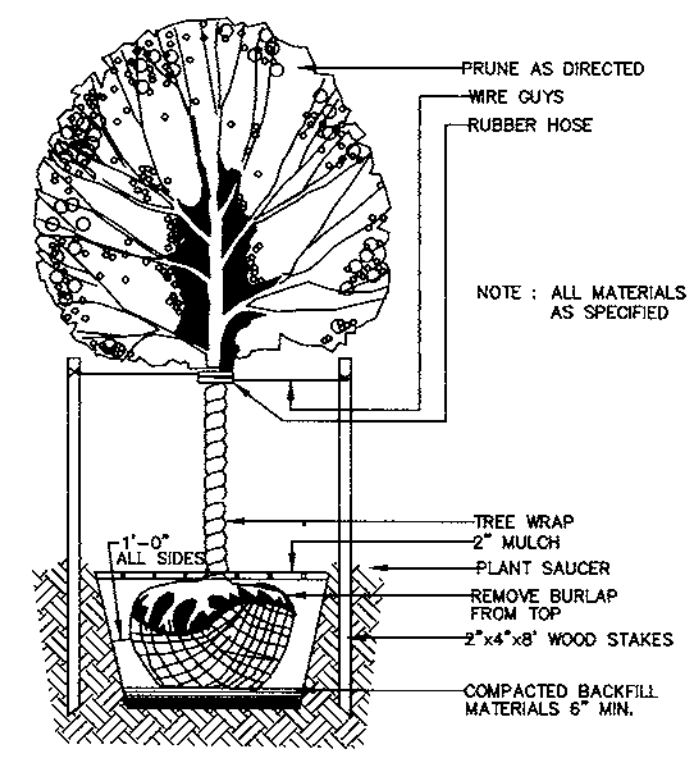
**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0236 Bldg. (301) 621-5521 Frsch. (410) 997-0268 Fax.

**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOTT  
PO BOX 2292  
COLUMBIA, MD 21044

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

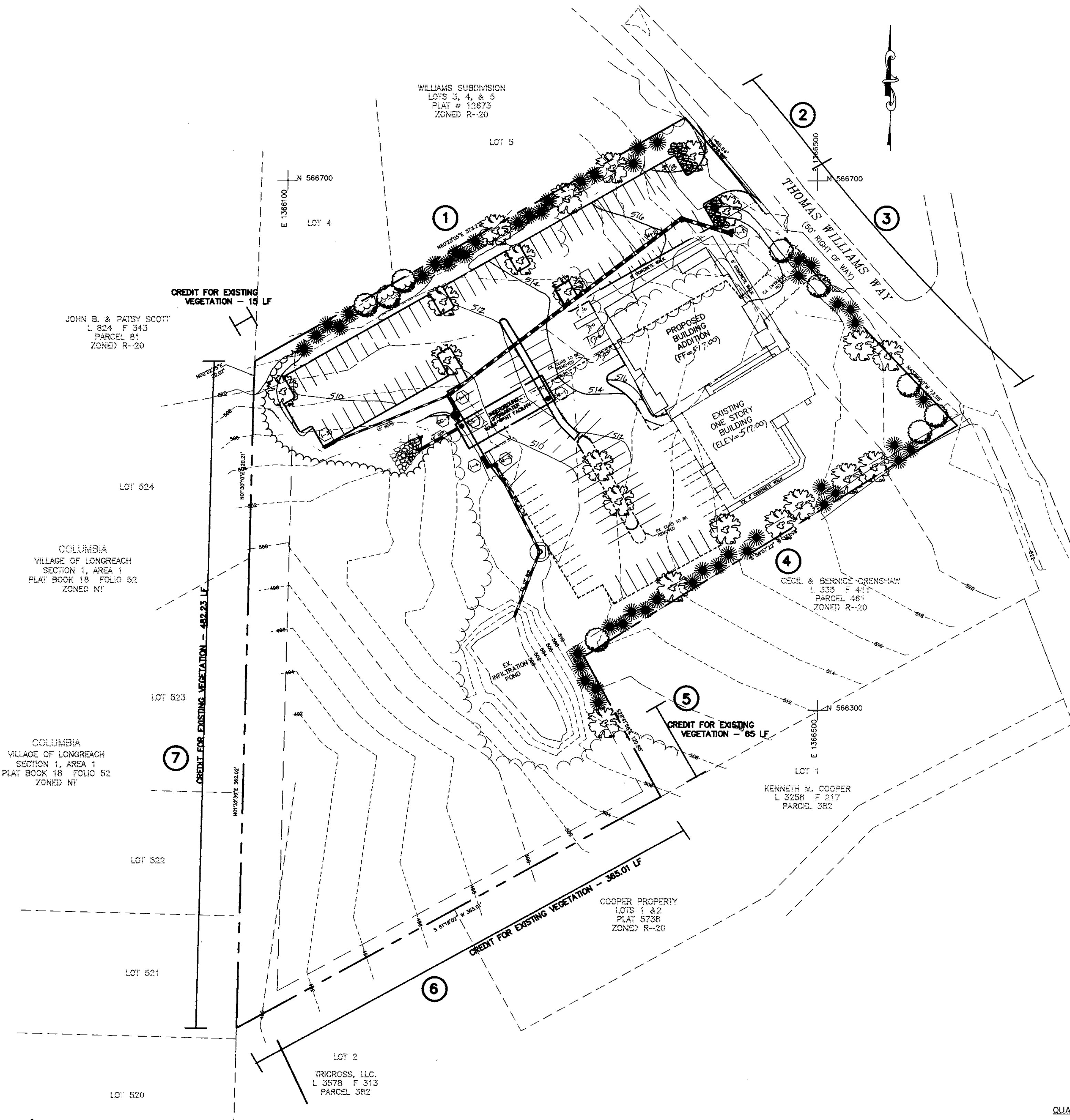


TYPICAL EVERGREEN TREE PLANTING DETAIL  
 NOT TO SCALE



TYPICAL DECIDUOUS TREE PLANTING DETAIL  
 NOT TO SCALE

PERIMETER	EDGE TYPE
PERIMETER 1 PARKING TO SFD - 15 LF EXISTING TREES TO REMAIN	C
PARKING TO SFD - 358.27 LF 1 SHADE TREE / 40 LF 9 1 EVERGREEN / 20 LF 18	C
PERIMETER 2 PARKING TO ROAD - 82.40 LF 1 SHADE TREE / 40 LF 2 1 SHRUB / 4 LF 21	E
PERIMETER 3 NON-RES TO ROAD - 267.87 LF 1 SHADE TREE / 50 LF 5 1 EVERGREEN / 40 LF 7	B
PERIMETER 4 NON-RES & PARKING TO SFD - 331.75 LF 1 SHADE TREE / 40 LF 8 1 EVERGREEN / 20 LF 17	C
PERIMETER 5 SWM & NON-RES TO SFD - 65 LF EXISTING TREES TO REMAIN	C
SWM & NON-RES TO SFD - 55.85 LF 1 SHADE TREE / 40 LF 2 1 EVERGREEN / 20 LF 3	C
PERIMETER 6 NON-RES TO SFD - 365.01 LF EXISTING TREES TO REMAIN	C
PERIMETER 7 NON-RES TO SFD - 482.23 LF EXISTING TREES TO REMAIN	C
<b>TOTAL PLANTING OBLIGATION</b>	
SHADE TREES	26
EVERGREEN TREES	45
SHRUBS	21



SCHEDULE B: PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	142
NUMBER OF PLANTING ISLANDS REQUIRED	7
NUMBER OF PLANTING ISLANDS PROVIDED	8
NUMBER OF TREES REQUIRED	7 SHADE TREES
NUMBER OF TREES PROVIDED	7 SHADE TREES
OTHER TREES (2:1 SUBSTITUTION)	0 TREES

SCHEDULE A: PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO ROADWAYS	ADJ. TO PERIMETER PROPERTIES
LANDSCAPE TYPE	E (PERIMETER 2)	B (PERIMETER 3)	C (PERIMETERS 1, 4 THRU 7)
LINEAR FEET OF PERIMETER	82.40 LF	267.87 LF	1,673.11
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO	YES - 927.74 LF
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO
NUMBER OF PLANTS REQUIRED			
SHADE TREES	2 SHADE TREES	5 SHADE TREES	19 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	7 EVERGREEN TREES	38 EVERGREEN TREES
SHRUBS	21 SHRUBS	0 SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED			
SHADE TREES	2 SHADE TREES	5 SHADE TREES	17 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	7 EVERGREEN TREES	38 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	2 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	21 SHRUBS	0 SHRUBS	(4 EVERGREEN TREES) 0 SHRUBS

- NOTES:
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$17,280.00.
  - SWM LANDSCAPING IS NOT REQUIRED. SWM IS PROVIDED VIA UNDERGROUND SWM FACILITY.
  - SEE SHEET 3 FOR PERMANENT AND TEMPORARY SEEDING SPECIFICATIONS.

LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
21	☉	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL.
9	☉	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLE LEAF LINDEN	2 1/2" - 3" CAL.
49	☉	PINUS STROBUS	EASTERN WHITE PINE	6' - 8' HT.
21	☉	TAXUS MEDIA 'HICKSI'	HICKS YEW	2 1/2" - 3" HT.

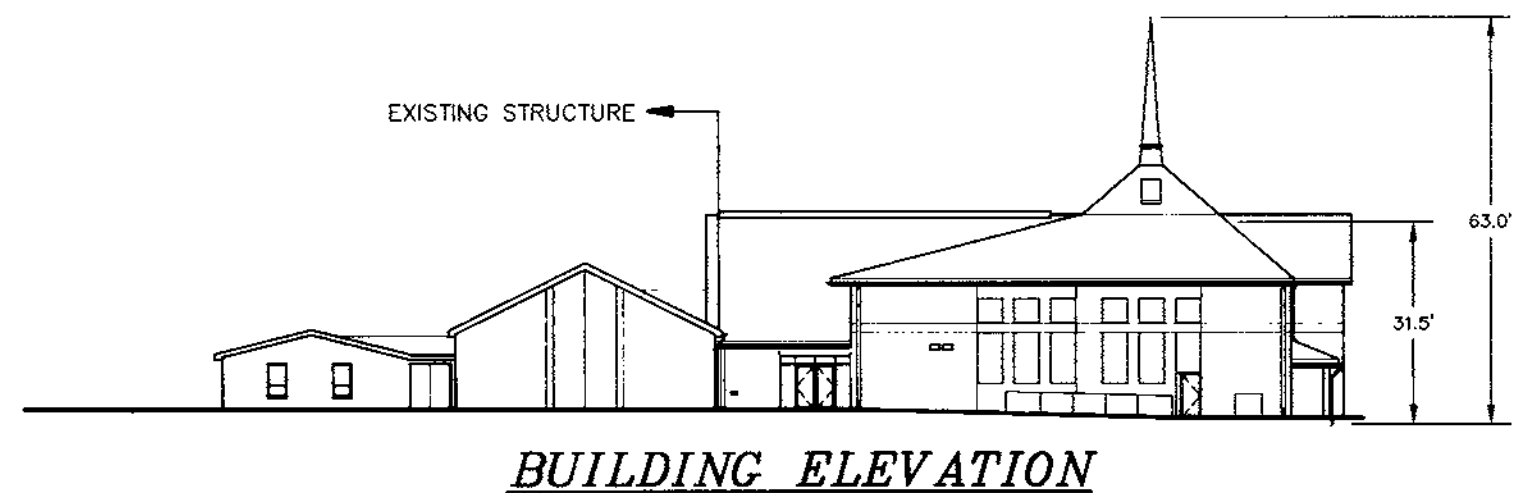
TOTAL  
 100 PLANTS (30 SHADE TREES, 49 EVERGREEN TREES, 21 SHRUBS)

OWNER  
 COLUMBIA COMMUNITY CHURCH  
 5204 BRIGHT PLUME  
 COLUMBIA, MD 21044

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature]  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature]  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
 [Signature]  
 DATE: 1/2/00  
 DATE: 2/8/00  
 DATE: 2/8/00

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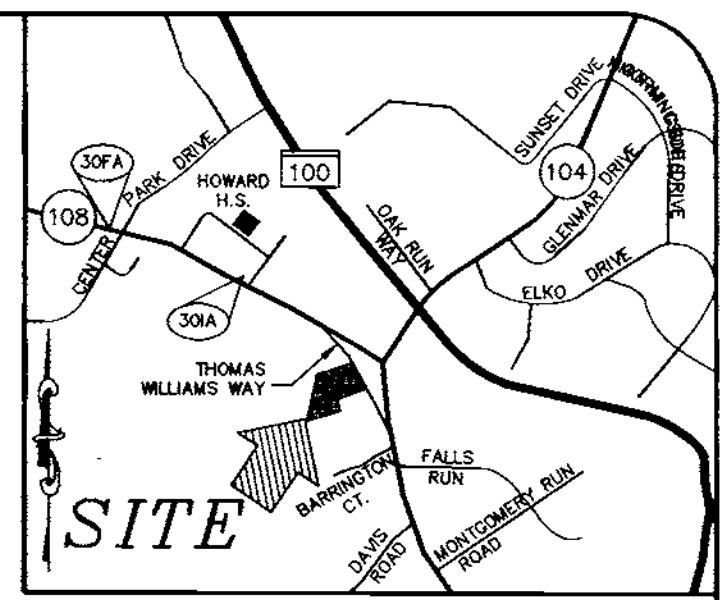
SHEET INDEX	
1	SITE DEVELOPMENT PLAN
2	GRADING AND SEDIMENT CONTROL PLAN
3	SEDIMENT CONTROL NOTES AND DETAILS
4	STORMDRAIN PROFILES AND SWM DETAILS
5	DRAINAGE AREA MAP
6	LANDSCAPE PLAN



**BUILDING ELEVATION**  
NOT TO SCALE  
NOTE - THE MAXIMUM HEIGHT ALLOWED IN THE R-20 ZONING DISTRICT FOR THE PROPOSED CHURCH ADDITION IS 34' UNLESS OTHERWISE APPROVED BY THE BOARD OF APPEALS. STEEPLES, SPIRES AND BELLTOWERS ARE EXEMPT FROM HEIGHT RESTRICTIONS PER SECTION 128A.3 OF ZONING REGULATIONS.

JOHN B. & PATSY SCOTT  
L 824 F 343  
PARCEL 81  
ZONED R-20

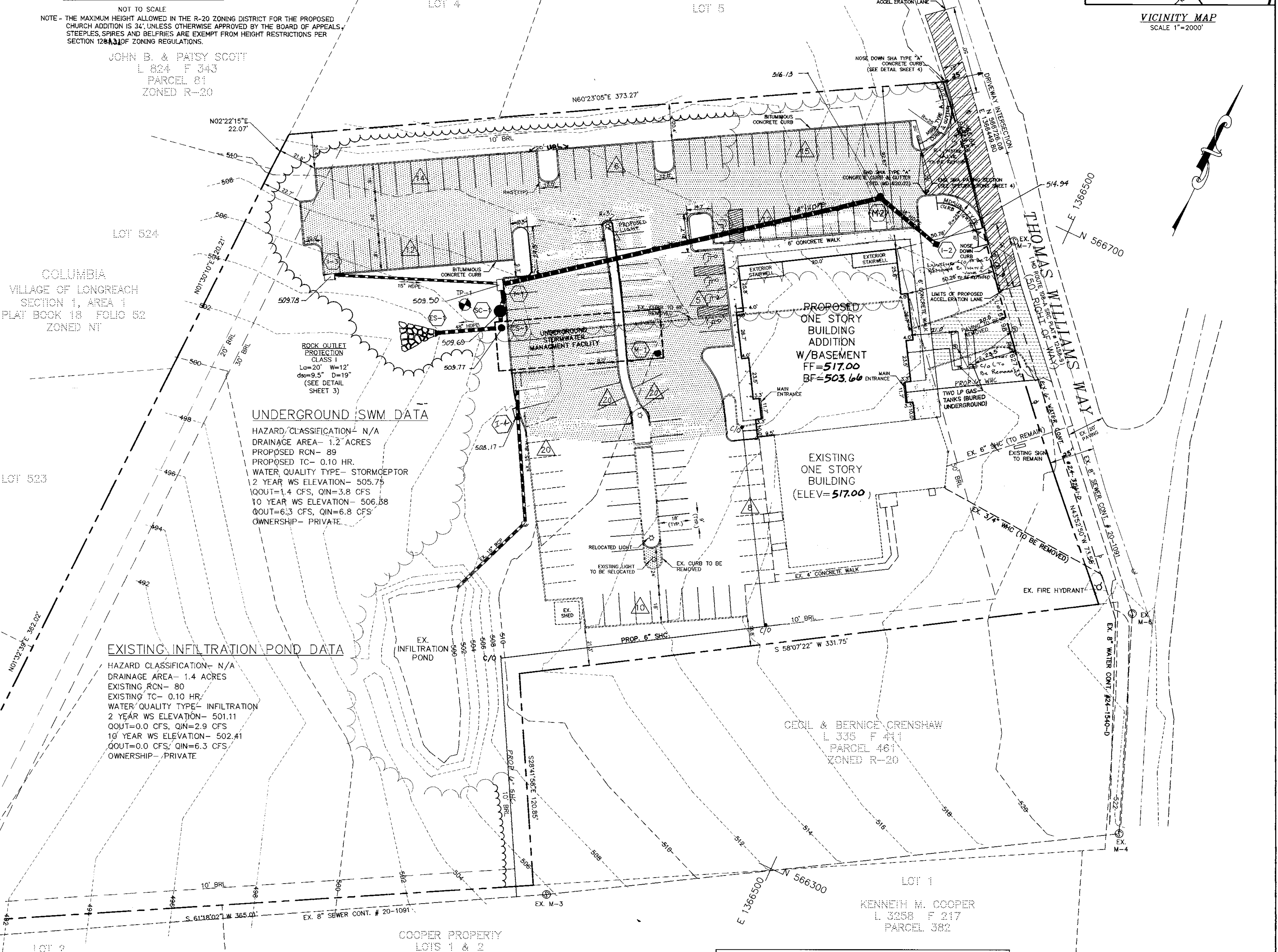
WILLIAMS SUBDIVISION  
LOTS 3, 4, & 5  
PLAT # 12673  
ZONED R-20



VICINITY MAP  
SCALE 1"=2000'

**GENERAL NOTES**

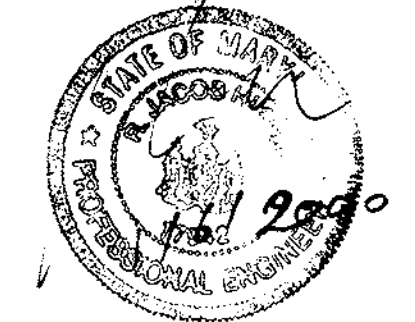
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, MARYLAND.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION WORK:  
MISS UTILITY (800) 257-7777  
Bell Atlantic (410) 725-9976  
HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4900  
AT&T CABLE LOCATION DIVISION (410) 393-3533  
BALTIMORE GAS AND ELECTRIC (410) 685-0123  
STATE HIGHWAY ADMINISTRATION (410) 531-5533  
HOWARD COUNTY DEPT. PUBLIC WORKS/ CONSTRUCTION INSPECTIONS DIVISION (410) 725-9976
- SITE ANALYSIS:  
LOCATION: SIXTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND, TAX MAP 30, GRID 24, PARCELS 83 & 84  
ZONING: R-20 AS PER THE 10/18/93 COMPREHENSIVE ZONING PLAN  
EXISTING USE: RELIGIOUS FACILITY  
PROPOSED USE: RELIGIOUS FACILITY  
TOTAL AREA: 4.48 ACRES  
EX. BUILDING: 4,157 SQ. FT. (2.8% EXISTING BUILDING COVERAGE FROM SDP 86-163)  
PROP. ADDITION: 8,523 SQ. FT.  
TOTAL BUILDING: 12,680 SQ. FT. (6.5% TOTAL SITE AREA COVERED)  
PREVIOUS COUNTY FILE NUMBERS: SDP-86-163, F-93-27, BA #88-07E, F 99-185
- PARKING ANALYSIS:  
REQUIRED PARKING: (1 SPACE/3 SEATS) X 425 SEATS = 142 SPACES  
EXISTING PARKING: = 34 SPACES  
PROPOSED PARKING: = 108 SPACES (INC. 5 HANDICAPPED SPACES)  
PROVIDED PARKING: = 142 SPACES (INC. 5 HANDICAPPED SPACES)
- TOPOGRAPHY BASED ON FIELD RUN TOPOGRAPHIC SURVEY BY MILDENBERG, BOENDER AND ASSOCIATES, INC., OCTOBER 1998.
- BOUNDARY SHOWN HEREON BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT OCTOBER 1998 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- COORDINATES REFERENCED ARE BASED ON THE NAD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL.  
STATION 30A N 588.621 329 E 1,361,564.037  
STATION 30IA N 567,750.955 E 1,364,842.701
- PUBLIC WATER AND SEWER PREVIOUSLY PROVIDED UNDER CONTRACTS 24-1540-D AND 20-1091. PROPOSED WATER HOUSE CONNECTION TO MAINTAIN 1.0' CLEARANCE OF EXISTING SEWER HOUSE CONNECTION.
- STORMWATER MANAGEMENT PROVIDED BY STORMCEPTOR AND UNDERGROUND DETENTION.
- NO FLOODPLAIN, STREAMS, OR WETLANDS EXIST ON SITE.
- PROPERTY SUBJECT TO BOARD OF APPEALS CASE 98-07E DATED JUNE 18, 1998, PERMITTING EXPANSION OF THE EXISTING RELIGIOUS FACILITY.
- ALL OUTDOOR LIGHTING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH HOWARD COUNTY ZONING REGULATIONS, SECTION 134.
- ALL PROPOSED PAVING TO BE P-1 MINIMUM, EXCEPT WHERE OTHERWISE NOTED. (SEE DETAIL SHEET 4)
- SOILS DATA SHOWN BASED ON HOWARD COUNTY SOILS SURVEY, DATED 1968, SHEET 25.
- MAIN ENTRANCE TO THE BUILDING TO BE HANDICAPPED ACCESSIBLE.
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
- ALL PLAN DIMENSIONS ARE TO BOTTOM FACE OF CURB UNLESS OTHERWISE NOTED.
- NO HISTORICAL STRUCTURES ARE LOCATED ON OR ADJACENT TO THE SITE.
- HISTORIC BLACK CEMETERY WITH ONE GRAVE LOCATED ON PARCEL 81. CEMETERY REFERENCE # 30-1.
- NO SCENIC ROAD ABUTS THE SITE.
- NO IMPROVEMENTS ARE REQUIRED FOR THOMAS WILLIAMS WAY.
- PARCEL 84 AND LOTS 1 & 2 OF THE JR PROPERTY HAVE BEEN CONSOLIDATED INTO PARCEL "A" VIA RECORD PLAT F-99-185.
- ALL FILLET RADII ARE 5' UNLESS OTHERWISE NOTED.
- NO DUMPSTER PROVIDED. RESIDENTIAL TRASH RECEPTACLES ARE TO BE UTILIZED.
- RELOCATED LIGHTS TO BE RELOCATED TO THE EXISTING LIGHT TO BE RELOCATED.
- EXISTING AND PROPOSED STORMWATER MANAGEMENT SYSTEMS ARE PRIVATELY OWNED AND MAINTAINED.
- EXISTING AND PROPOSED WATER METERS LOCATED INSIDE BUILDING.
- FOREST CONSERVATION OBLIGATIONS HAVE BEEN MET BY FILING A DECLARATION OF INTENT FOR THE CINGULAR OF LESS THAN 40,000 SQ. FT. OF FOREST ON A SINGLE PARCEL PER SECTION 16.1202(B)(2)(I) OF THE HOWARD CO. CODE.
- FRONT SETBACK BASED ON THE HOWARD COUNTY ZONING REQUIREMENTS FOR ROADS CONSTRUCTED BEFORE OCTOBER 18, 1993.
- URL - DENOTES USE RESTRICTION LINE BRL - DENOTES BUILDING RESTRICTION LINE.



**UNDERGROUND SWM DATA**  
HAZARD/CLASSIFICATION- N/A  
DRAINAGE AREA- 1.2 ACRES  
PROPOSED RCN- 89  
PROPOSED TC- 0.10 HR.  
WATER QUALITY TYPE- STORMCEPTOR  
2 YEAR WS ELEVATION- 505.75  
10 YEAR WS ELEVATION- 506.88  
QOUT=1.4 CFS, QIN=3.8 CFS  
QOUT=6.3 CFS, QIN=6.8 CFS  
OWNERSHIP- PRIVATE.

**EXISTING INFILTRATION POND DATA**  
HAZARD CLASSIFICATION- N/A  
DRAINAGE AREA- 1.4 ACRES  
EXISTING RCN- 80  
EXISTING TC- 0.10 HR.  
WATER QUALITY TYPE- INFILTRATION  
2 YEAR WS ELEVATION- 501.11  
10 YEAR WS ELEVATION- 502.41  
QOUT=0.0 CFS, QIN=2.9 CFS  
QOUT=0.0 CFS, QIN=6.3 CFS  
OWNERSHIP- PRIVATE.

NOTE: THIS DRAWING IS TO BE USED FOR SITE LAYOUT PURPOSES ONLY.



OWNER  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOT  
PO BOX 2292  
COLUMBIA, MD 21044

TRICROSS, LLC.  
L 3578 F 313  
PARCEL 382

COOPER PROPERTY  
LOTS 1 & 2  
PLAT 5738  
ZONED R-20

KENNETH M. COOPER  
L 3258 F 217  
PARCEL 382

**PERMIT INFORMATION CHART**

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #
THE COLUMBIA COMMUNITY CHURCH	---	PARCEL "A"
PLAT # OR L/F	BLOCK #	ZONE
14-093	24	R-20
TAX MAP	ELEC. DIST.	CENSUS TRACT
30	SIXTH	6065.01
WATER CODE	SEWER CODE	
G-07	5338600	

**ADDRESS CHART**

LOT/PARCEL NO.	STREET ADDRESS
PARCEL A	8516 THOMAS WILLIAMS WAY

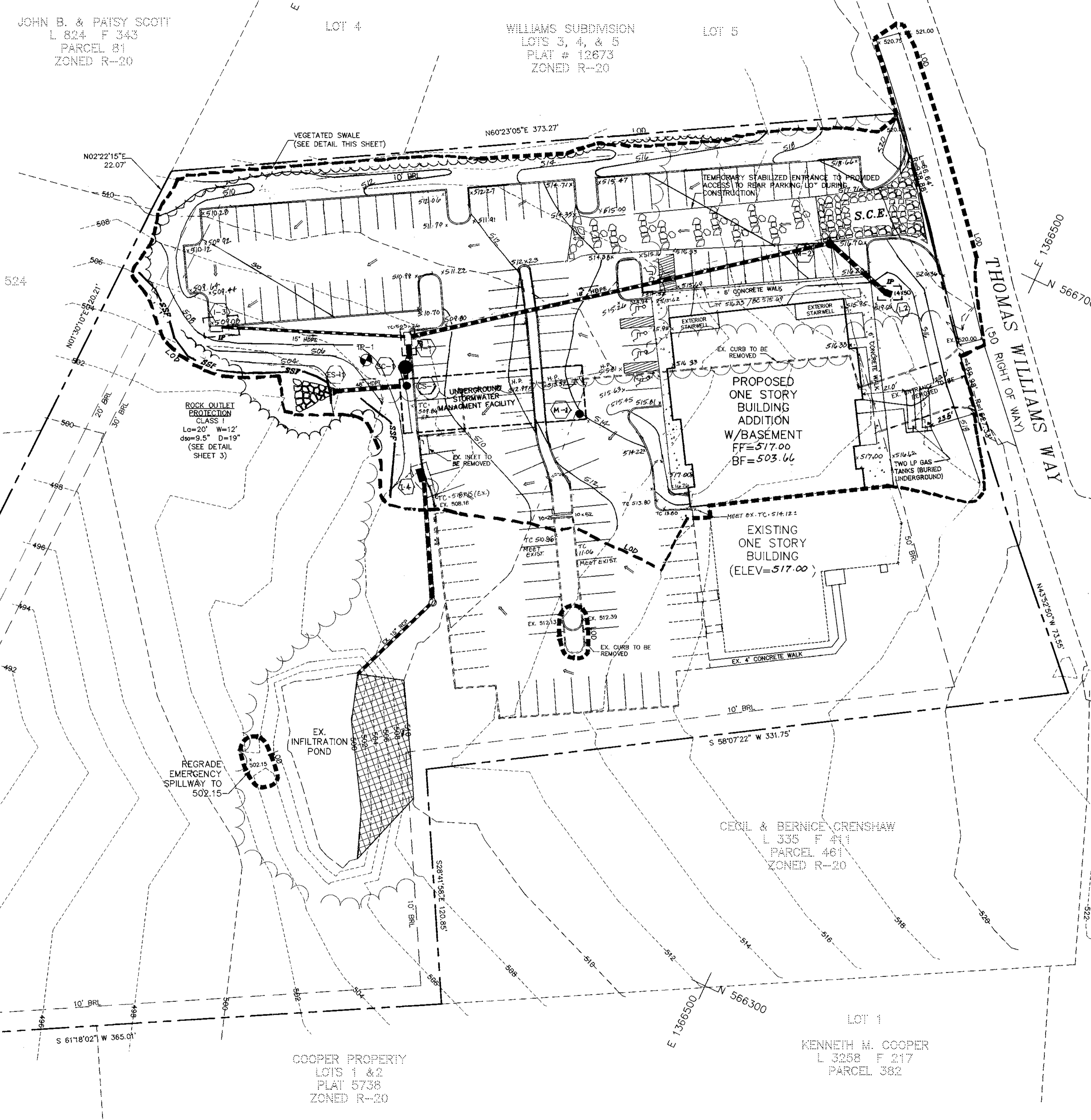
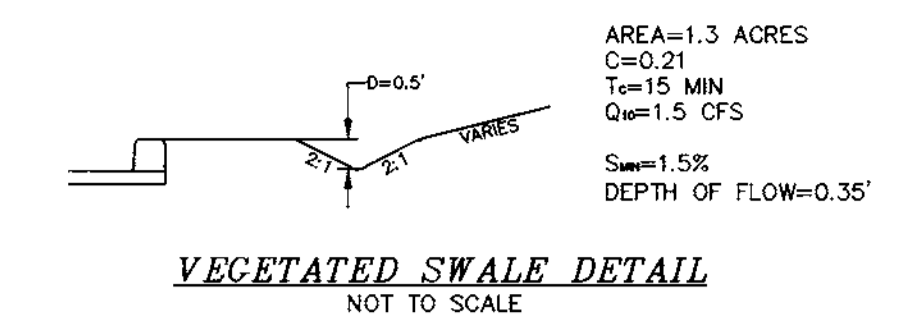
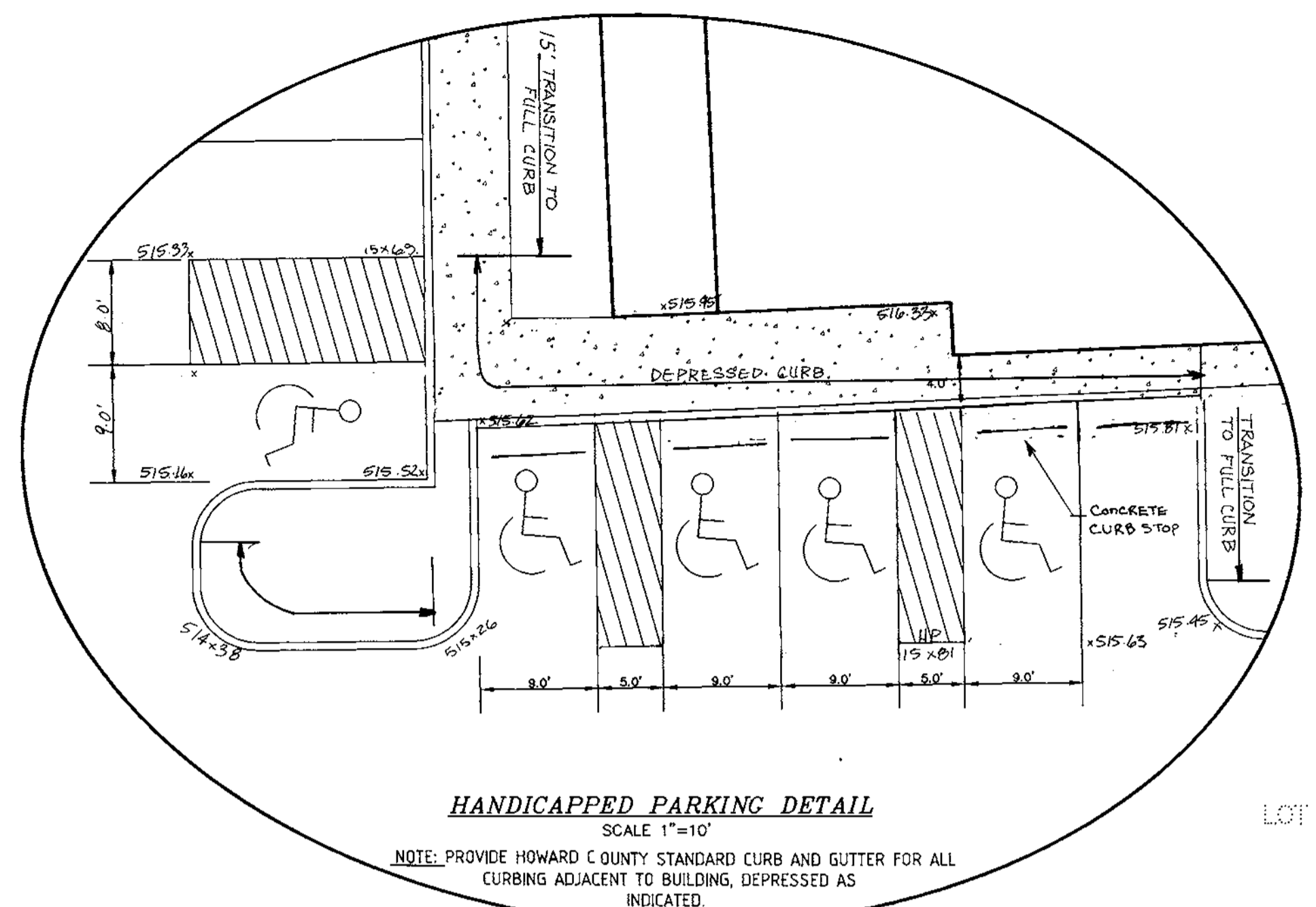
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE 1/27/00  
  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
 DATE 2/8/00  
 DIRECTOR

Project	date	description	scale	date
97117.10	SEPT 1999	engineering	KR	
10/30/00	4/13/00	REVISED SIDEWALK ADJACENT TO BUILDING, REMOVED WBS, REVISED ELEVATION AND ASSOCIATED GRADING, RELOCATED	KR	
1-1			KR	

NO.	description	date
1	ADDED TWO LP GAS TANKS	4/13/00
1-1	REVISED SIDEWALK ADJACENT TO BUILDING, REMOVED WBS, REVISED ELEVATION AND ASSOCIATED GRADING, RELOCATED	

COLUMBIA COMMUNITY CHURCH  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SITE DEVELOPMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsy Hill Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0298 Fax  
(301) 621-5521 Wash.



**LEGEND**

- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE
- FLOW DIRECTION
- INLET PROTECTION
- STEEP SLOPES (>25%)

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

*Reginald L. Elliott* 1/6/2000  
SIGNATURE OF DEVELOPER DATE  
**REGINALD L. ELLIOTT**  
PRINTED NAME OF DEVELOPER

**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 NATURAL RESOURCE CONSERVATION SERVICE.

*R. JAGOB HIKMAT* 1/6/2000  
SIGNATURE OF ENGINEER DATE  
**R. JAGOB HIKMAT**  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Cheryl Simmons* 1-29-00  
USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

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

*John Robertson* 1-29-00  
HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John Robertson* 1/25/00  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Conrad Hamilton* 2/8/00  
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

*John Robertson* 2/8/00  
DIRECTOR DATE

NOTE: THIS DRAWING IS TO BE USED FOR GRADING AND SEDIMENT CONTROL ONLY.

**OWNER**  
COLUMBIA COMMUNITY CHURCH  
C/O REVEREND REGINALD ELLIOTT  
PO BOX 2292  
COLUMBIA, MD 21044

project	97117.10	date	SEPT. 1999
illustration	KR	engineering	KR
revision	1	approval	KR
scale	1"=30'		

no.	description	date
2	ADDED TWO LP GAS TANKS TO BUILDING PERMITTED PER 2, REVISED ELEVATION ASSOCIATED GRADING	10/29/00
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**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5092 Dorsy Hill Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 987-0286 Fax: (301) 621-5521 Wash. (410) 987-0288 Fax.

**COLUMBIA COMMUNITY CHURCH**  
BUILDING ADDITION  
TAX MAP 30, PARCEL A  
SIXTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
GRADING AND SEDIMENT CONTROL PLAN

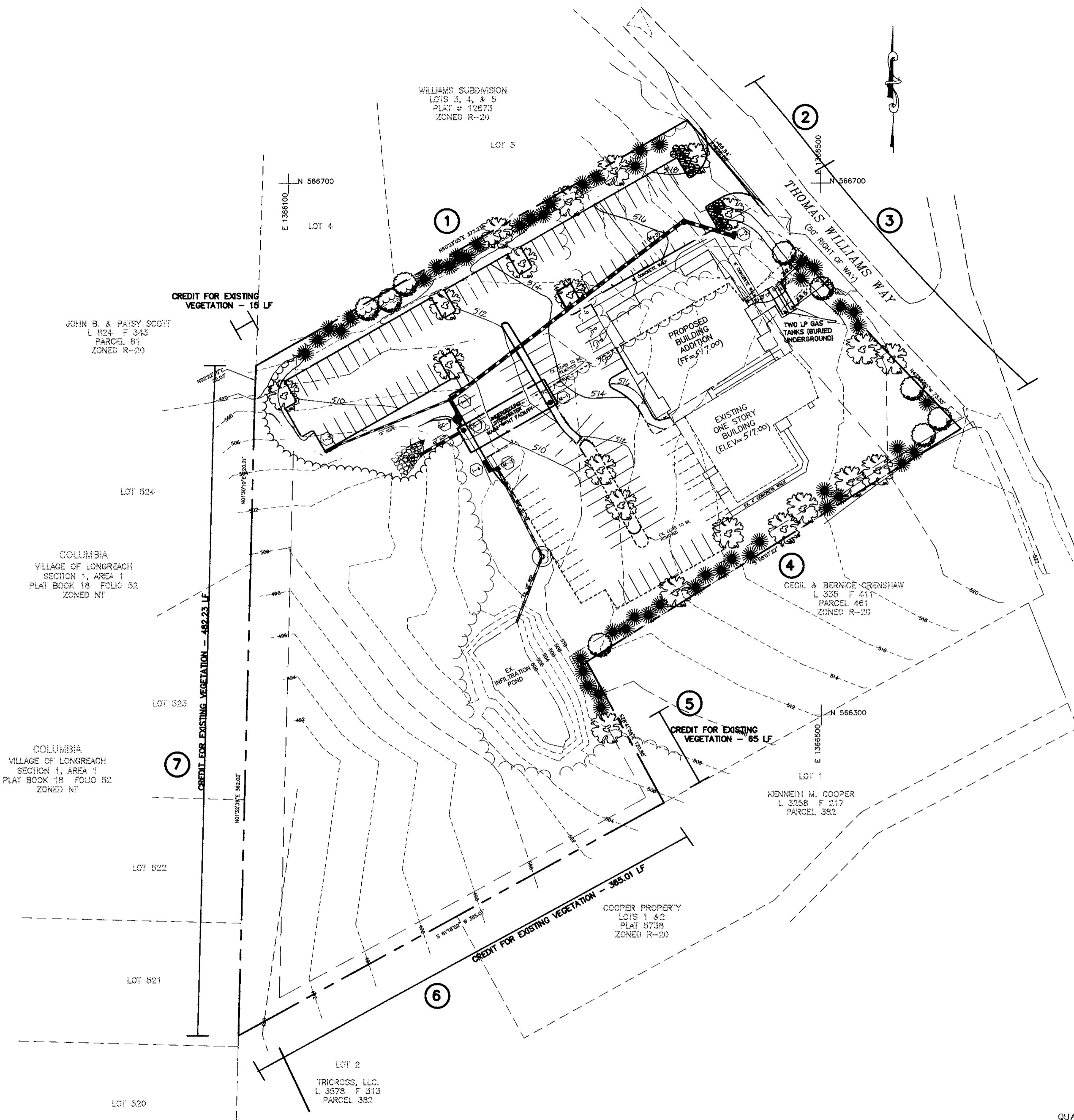
2 OF 6

SDP 99-150

PERIMETER	EDGE TYPE
PERIMETER 1	
PARKING TO SFD - 15 LF	C
EXISTING TREES TO REMAIN	
PARKING TO SFD - 358.27 LF	C
1 SHADE TREE / 40 LF	9
1 EVERGREEN / 20 LF	18
PERIMETER 2	
PARKING TO ROAD - 82.40 LF	E
1 SHADE TREE / 40 LF	2
1 SHRUB / 4 LF	21
PERIMETER 3	
NON-RES TO ROAD - 267.87 LF	B
1 SHADE TREE / 50 LF	5
1 EVERGREEN / 40 LF	7
PERIMETER 4	
NON-RES & PARKING TO SFD - 331.75 LF	C
1 SHADE TREE / 40 LF	8
1 EVERGREEN / 20 LF	17
PERIMETER 5	
SWM & NON-RES TO SFD - 65 LF	C
EXISTING TREES TO REMAIN	
SWM & NON-RES TO SFD - 55.85 LF	C
1 SHADE TREE / 40 LF	2
1 EVERGREEN / 20 LF	3
PERIMETER 6	
NON-RES TO SFD - 365.01 LF	C
EXISTING TREES TO REMAIN	
PERIMETER 7	
NON-RES TO SFD - 482.23 LF	C
EXISTING TREES TO REMAIN	
<b>TOTAL PLANTING OBLIGATION</b>	
SHADE TREES	26
EVERGREEN TREES	45
SHRUBS	21

**SCHEDULE B: PARKING LOT INTERNAL LANDSCAPING**

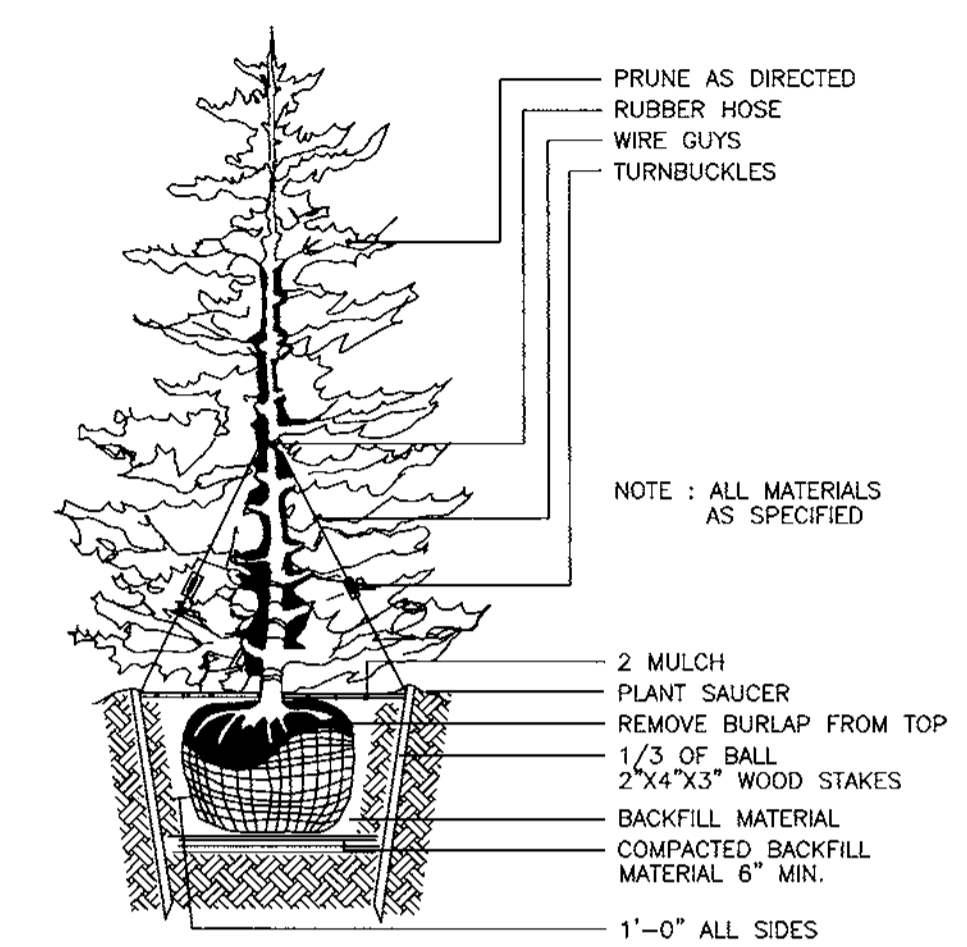
NUMBER OF PARKING SPACES	142
NUMBER OF PLANTING ISLANDS REQUIRED	7
NUMBER OF PLANTING ISLANDS PROVIDED	8
NUMBER OF TREES REQUIRED	7 SHADE TREES
NUMBER OF TREES PROVIDED	7 TREES
OTHER TREES (2:1 SUBSTITUTION)	0 TREES



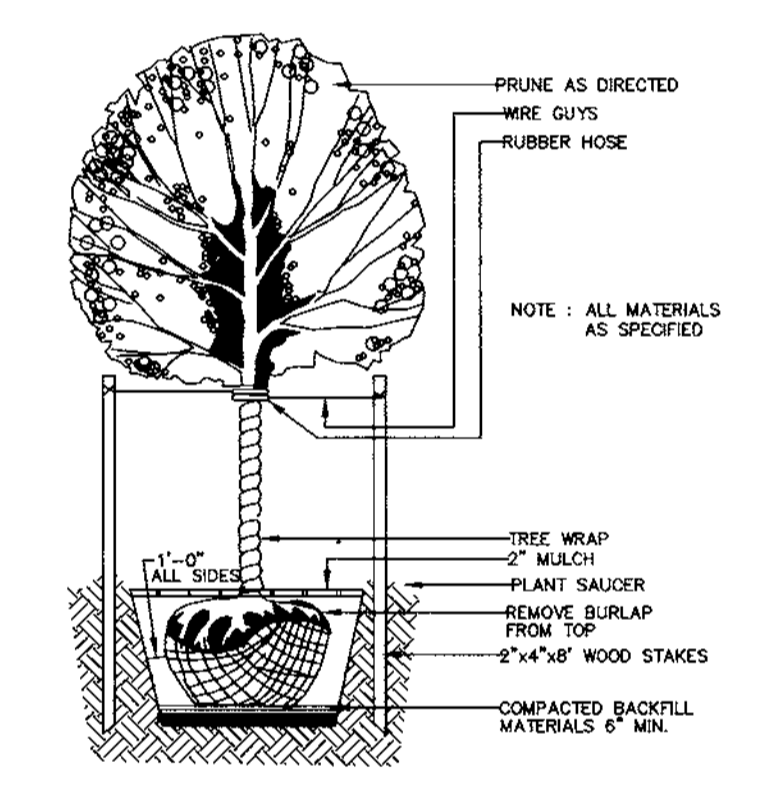
**SCHEDULE A: PERIMETER LANDSCAPED EDGE**

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO ROADWAYS	ADJ. TO PERIMETER PROPERTIES
LANDSCAPE TYPE	E (PERIMETER 2)	B (PERIMETER 3)	C (PERIMETERS 1, 4 THRU 7)
LINEAR FEET OF PERIMETER	82.40 LF	267.87 LF	1,673.11
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	NO	YES - 927.74 LF
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO
NUMBER OF PLANTS REQUIRED			
SHADE TREES	2 SHADE TREES	5 SHADE TREES	19 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	7 EVERGREEN TREES	38 EVERGREEN TREES
SHRUBS	21 SHRUBS	0 SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED			
SHADE TREES	2 SHADE TREES	5 SHADE TREES	17 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	7 EVERGREEN TREES	38 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 SUBSTITUTION TREES	0 SUBSTITUTION TREES	2 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	21 SHRUBS	0 SHRUBS	0 SHRUBS

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



TYPICAL EVERGREEN TREE PLANTING DETAIL  
NOT TO SCALE



TYPICAL DECIDUOUS TREE PLANTING DETAIL  
NOT TO SCALE

- NOTES:**
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$ 17,280.00.
  - SWM LANDSCAPING IS NOT REQUIRED. SWM IS PROVIDED VIA UNDERGROUND SWM FACILITY.
  - SEE SHEET 3 FOR PERMANENT AND TEMPORARY SEEDING SPECIFICATIONS.

**LANDSCAPE REQUIREMENT PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
21		ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL.
9		TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLE LEAF LINDEN	2 1/2" - 3" CAL.
49		PINUS STROBUS	EASTERN WHITE PINE	6' - 8' HT.
21		TAXUS MEDIA 'HICKSI'	HICKS YEW	2 1/2" - 3' HT.

TOTAL  
100 PLANTS (30 SHADE TREES, 49 EVERGREEN TREES, 21 SHRUBS)

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

DATE: 4/2/20  
 DATE: 4/9/20  
 DATE: 2/16/20

OWNER  
 COLUMBIA COMMUNITY CHURCH  
 6204 BRIGHT PLUME  
 COLUMBIA, MD 21044

project	date
97117.10	JULY 1999
illustration	engineering
KR/KS	KS/SJD
scale	approval
	1"=50'

no.	description	revisions	date
2	ADDED TWO LP GAS TANKS		10/30/00
1	REVISED FF ELEVATION AND ASSOCIATED GRADING		10/30/00

COLUMBIA COMMUNITY CHURCH  
 BUILDING ADDITION  
 TAX MAP 30, PARCEL A  
 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT  
 LANDSCAPE PLAN

MILDENBERG, BOENDER & ASSOC., INC.  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0256 Ext. (301) 621-5521 Wash. (410) 997-0298 Fax