LANDSCAPE PLAN

SITE DEVELOPMENT PLAN FIRST PRESBYTERIAN CHURCH RELIGIOUS FACILITY

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

PROPOSED-ENTRANCE

COLUMBIA HILLS

VICINITY MAP SCALE: 1" = 2000'

SITE ANALYSIS

AREA OF PARCEL ZONED NT 3.06 AC. ZONED R-20 5.96 ACRES (259,784 SF) TOTAL AREA 1.99 ACRES (86,853 SF) DISTURBED AREA NT AND R-20 PRESENT ZONING RELIGIOUS FACILITY / CLASSROOM EXISTING USE PROPOSED USE RELIGIOUS FACILITY / CLASSROOM BUILDING COVERAGE PROVIDED 10,277 SF EX. BUILDING PROP. ADDITION #1 5,000 SF FIRST FLOOR SECOND FLOOR 5,000 SF PROP. ADDITION #2 900 SF FIRST FLOOR 3 * TOTAL AREA 18,278 SF* (7% OF SITE) *EXCLUDING 2ND FLOOR

64,946 SF (25%) BUILDING COVERAGE ALLOWED R-20 ZONING MAXIMUM BUILDING COVERAGE = 25% EX. BUILDING 9.308 SF 5,000 SF PROP. ADDITION #1 FUTURE ADDITION 3,352 SF 17,660 SF (13%)

TOTAL AREA NT ZONING MAXIMUM BUILDING COVERAGE = 10% 969 SF EX. BUILDING 900 SF PROP. ADDITION #2 1,869 SF (1.5%) TOTAL AREA

OF PARKING SPACES REQUIRED 292 SEATS FOR WORSHIP 50 SEATS FOR OVERFLOW 1 SP./3 SEATS

OF PARKING SPACES PROVIDED 94 SPACES PROVIDED (INCL. 4 HC.)* * IN ACCORDANCE WITH BA 97-50E THE CHURCH WILL USE THE 99 SPACE PARK AND RIDE

CHIEF, DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION OF LAND DEVELOPMENT 48

3.3.11 4 REVISE BLOG ENTRANCE ADDITION & SITE ANALYSIS

13.08 3 ADDED BLDG ENTRANCE ADDITION & REV. SITE ANALYS

REVISION

Cende tanta

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND

98 SPACES REQUIRED

FACILITY ON SUNDAYS TO MEET THE REQUIRED PARKING. 4 2,101 SF (3) * PROPOSED ENTRANCE ADDITION

THIS SEAL ONLY APPLIES TO REVISIONS DATED 3.3.11

1.15.99 DATE

FIRST PRESBYTERIAN CHURCH 9325 PRESBYTERIAN CIRCLE COLUMBIA, MARYLAND 21045 410-715-4981

DATE NO.

TITLE

OWNER/DEVELOPER

PROJECT FIRST PRESBYTERIAN CHURCH RELIGIOUS FACILITY

A BUILDING ADDITION AREA

TAX MAP 30 ZONED NT & R-20 PARCEL 138 & 284 6th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE SHEET

RIEMER MUEGGE & ASSOCIATES, INC ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045

tel 410.997.8900 fax 410.997.9282

DATE

DESIGNED BY: CJR DRAWN BY: DAM PROJECT NO : 97282/SDP SDP1.DWG

DATE: APRIL 21, 1999 SCALE : AS SHOWN

ARTHUR E. MUEGGE #8707 DRAWING NO. 1 OF 8 SDP-99-41

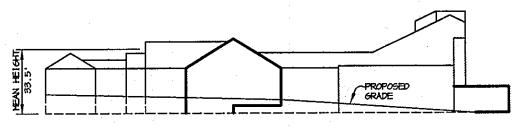
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AY LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY RIEMER MUEGGE & ASSOCIATES, INC. DATED MARCH. 1998.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 30D1 AND 30BA WERE USED FOR THIS PROJECT
- WATER IS PUBLIC. CONTRACT NO. 44-1019
- SEWER IS PUBLIC. SEWER DRAINAGE AREA: PATUXENT CONTRACT NO. 157-S.
- STORMWATER QUALITY MANAGEMENT IS PROVIDED BY A STORMCEPTOR MANHOLE
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- 12. A 100-YEAR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT.
- THERE ARE NO WETLANDS ON THIS SITE.
- 14. A TRAFFIC STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 15. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 16. A GEOTECHNICAL STUDY IS NOT REQUIRED FOR THIS PROJECT
- 17. THE BOUNDARY FOR THIS PROJECT IS BASED ON PREVIOUSLY RECORDED PLAT NOS. 9926.
- 18. SUBJECT PROPERTY ZONED R-20 AND NT PER 10-18-93 COMPREHENSIVE ZONING PLAN. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NOs: FDP PHASE 180 (NT ONLY), BA 79-37, BA 97-50E, SDP-80-97, F-80-113.
- SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ARCHITECT IN THE FIELD.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6"
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11.4, VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE NOTED.
- 26. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- 27. ALL PIPE ELEVATIONS SHOWN ARE INVERT OF ELEVATIONS.
- PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO TI80.
- SPECIAL EXCEPTION BA 97-50E CASE WAS APPROVED JANUARY 15, 1998.
- BA 97-50E APPROVAL CONDITIONS:

DIMENSIONS.

OF FINISHED GRADE.

- 1. THE SPECIAL EXCEPTION SHALL APPLY ONLY TO THE PROPOSED 18,900 SQUARE FOOT ADDITION TO THE EXISTING CHURCH BUILDING, AND THE REDUCTION IN ON-SITE PARKING TO NO FEWER THAN 84 PARKING SPACES. ALL AS DEPICTED ON THE AMENDED SPECIAL EXCEPTION, SUBMITTED AS EXHIBIT 1, AND TO NO OTHER STRUCTURES, ADDITIONS, BUILDINGS OR USES.
- 2. THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND COUNTY LAWS AND REGULATIONS.
- 3. UPON THE ISSUANCE OF A FINAL USE AND OCCUPANCY PERMIT FOR THE ADDITION BY THE DEPARTMENT OF INSPECTIONS, LICENCES AND PERMITS, THE MODULAR CLASSROOM TRAILERS SHALL BE REMOVED FROM THE SUBJECT PROPERTY.
- 4. THE PETITIONER SHALL INSTALL LANDSCAPE BUFFERS AS REQUIRED BY THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- 5. ANY EXTERIOR LIGHTING WHICH IS INSTALLED SHALL COMPLY WITH SECTION 134 OF THE ZONING REGULATIONS.
- 6. SHOULD THE AGREEMENT BETWEEN THE PETITIONER AND THE MARYLAND STATE HIGHWAY ADMINISTRATION WHICH GRANTS THE PETITIONER USE OF THE ADJACENT PARK AND RIDE FACILITY ON SUNDAYS BE RENDERED VOID FOR ANY REASON, THE PETITIONER SHALL INSTALL 14 ADDITIONAL PARKING SPACES ON THE SUBJECT PROPERTY.
- CONTRACTOR TO HAVE ALL HOWARD COUNTY DESIGN MANUALS (VOLUMES 1-4) AND THE LATEST MUTCD MANUAL IN THE CONSTRUCTION TRAILER.



THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK PROPOSED ENTRANCE ADDITION 1,4819F FF=318.26 PROPERTY OF THE HOWARD RESEARCH AND

PROPERTY OF HOWARD RESEARCH AND DEVELOPMENT CORPORATION L. 402, F. 335 ZONED NI

> SCALE: 1" = 50'PROPERIY OF

> > L. 402, F. 335

ZONED NT

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION

BENCHMARKS

HOWARD COUNTY CONTROL STATION: 30D1 N 572,225.3967 E 1,352,932.8820

ADDRESS, CHART

AS BUILT CERTIFICATE

HOWARD COUNTY CONTROL STATION: 30BA N 573,061.6975 E 1,356,876.3954

STREET ADDRESS PARCEL 9325 PRESBYTERIAN CIRCLE

CHRISTOPHER J. REID # 19949

DEVELOPMENT CORPORATION

L. 402, F. 335 ZONED NT

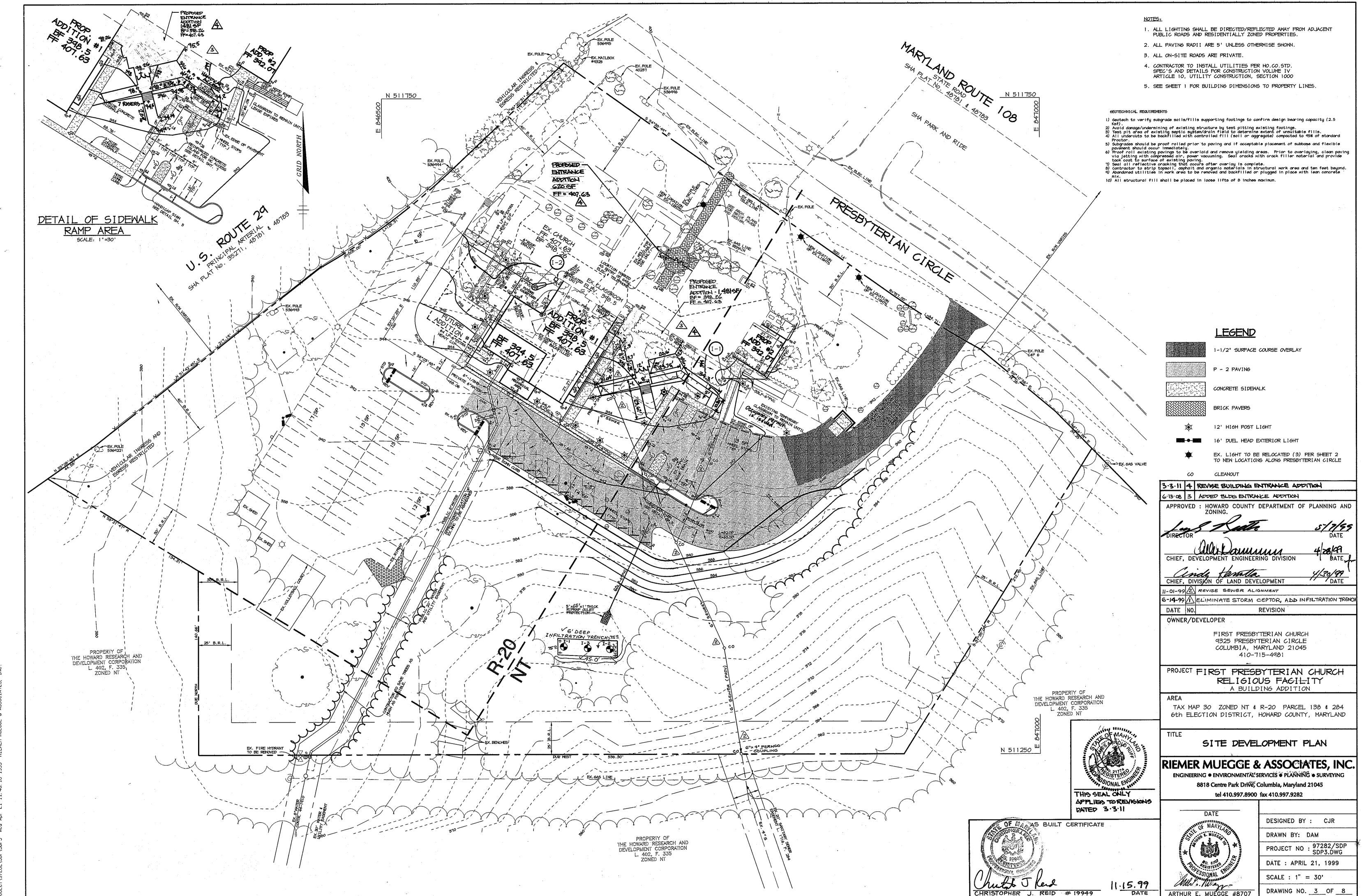
FIRST PRESBYTERIAN CHURCH AND VILLAGE OF OAKLAND MILLS 6066.01 10 R-20

BUILDING ELEVATION SCALE: 1'' = 50'

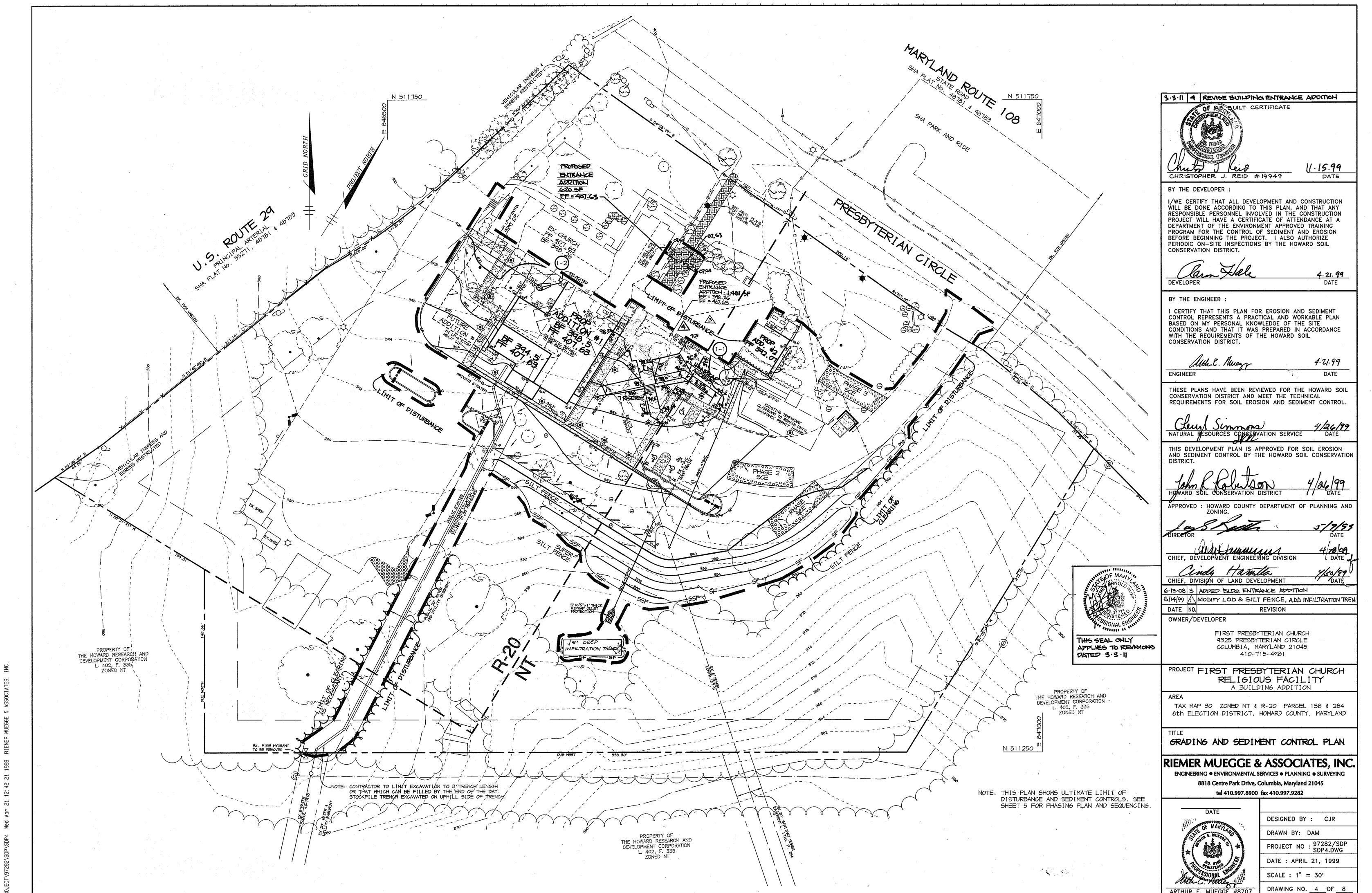
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11/16/99

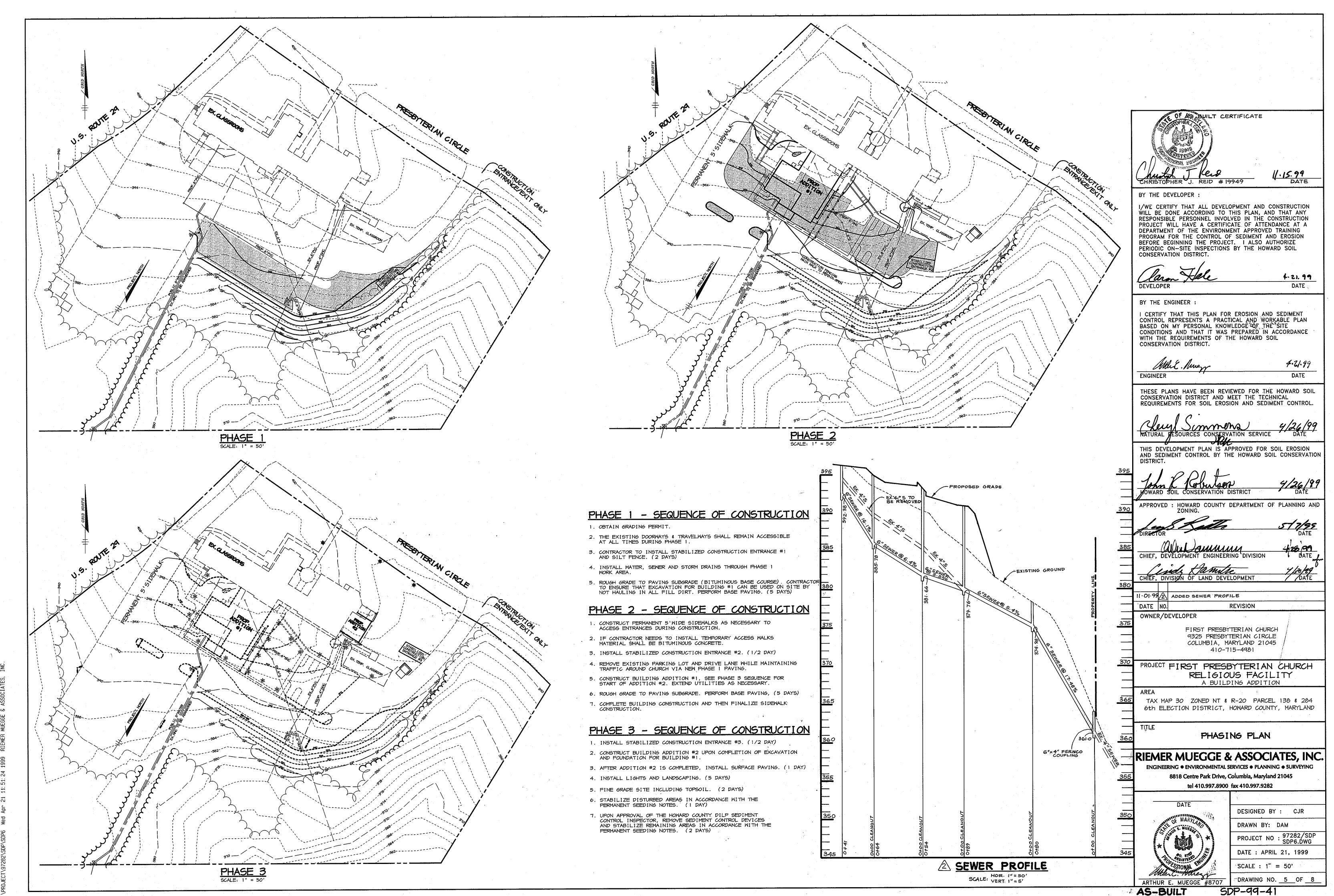
AS - BUILT 11/16/99 SDP-99-41



AS-BUILT 11/16/99 SDP-99-41



AS - BUILT 11/16/99 SDP-99-41



- 2. ALL YEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) T CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 1. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH YOL. 1, CHAPTER 7, 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. G.). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHED
- . 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.

5.96 ACRES

0.94 ACRES

1.99 ACRES

- 1. SITE ANALYSIS:
- TOTAL AREA OF SITE AREA DISTURBED
- AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT
- 1.05 ACRES O CU. YARDS 3000 CU. YARDS TOTAL FILL OFFSITE WASTE/BORROW AREA LOCATION TO HAVE APPROVED SEDIMENT CONTROL PLAN.
- B ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF
- 1. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- O. 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 SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- 12. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- S SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- 4. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY

TEMPORARY SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking. discing or other acceptable means before seeding. If not previously

Soll Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sa.ft.)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq.ft.). For the period May I thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per 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 per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

Note: No KY31 seed allowed.

PERMANENT SEEDING NOTES

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

<u>Seedbed Preparation: Loosen upper three inches of soil by raking.</u> discing or other acceptable means before seeding, if not previously

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

- Preferred Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).
- 2) Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following

- 1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Seed with 60 lbs. per acre Tail Fescue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs. replacements and reseedings

Note: No KY31 seed allowed.

21.0 STANDARD AND SPECIFICATIONS

FOR TOPSOIL. <u>Pefinition</u>

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

I. This practice is limited to areas having 2:1 or flatter slopes where: a. The texture of the exposed subsoll/parent material is not adequate to produce vegetative growth.

- o. 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.
- II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

- I. Topso! I salvaged from the existing site may be used provided that it meets the standards as set forth In these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experimentation Station.
- II. Topsoil Specifications Soil to be used as topsoil must meet the following:

d. The soil is so acidic that treatment with ilmestone is not feasible.

- . Topsoll shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other solls may be used if recommended by an agronomist or soll scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 12" in diameter.
- il. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison lvy, thistle, or others as specified.
- 111. Where subsoll 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. Lime shall be distributed uniformly over designated areas and worked into the soil In conjunction with tillage operations as described in the following procedures.
- II. For sites having disturbed areas under 5 acres: 1. Place topsoil (If required) and apply soil amendments as specified in 20.0 Yegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
- III. For sites having disturbed areas over 5 acres:

formation of depressions or water pockets.

- i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following: a. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less
- than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher. Organic content of topsoil shall be not less than 1.5 percent by weight. Topsoll having soluble sait content greater than 500 parts per million shall not be used. d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.
- Note: Topsoll substitutes to amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority may be used in lieu of natural topsoil
- II. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative
- Stabilization Section I Vegetative Stabilization Methods and Materials
- !. When topsoiling, maintain needed erosion and sediment control practices such as diversions. Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traos and Basins.
- 11. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
- 111. Topsoil shall be uniformly distributed in a 4" 8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tiliage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the
- IV. Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

SILTY FINE TO MEDIUM SAND, BROWN,

MOIST, (SM) USDA VISUAL: SANDY LOAM END OF BORING @ 4.0'

BORING I-1

SILTY FINE TO MEDIUM SAND, BROWN, MOIST, (SM) USDA VISUAL, SANDY LOAM

BORING I-2

END OF BORING @ 4.0'

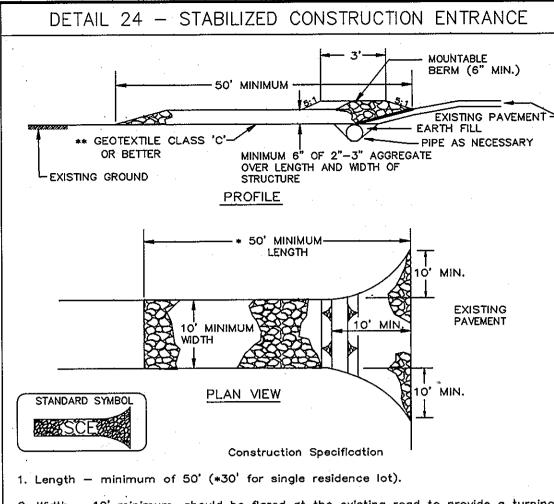
SILTY FINE TO MEDIUM SAND, BROWN MOIST, (SM) USDA VISUAL: SANDY LOAM

END OF BORING @ 10-0

BORING I-3

OPERATION AND MAINTENANCE SCHEDULE FOR INFILTRATION TRENCH

- I. THE MONITORING WELLS AND STRUCTURES SHALL BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM EVENT.
- 2 WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS SHALL BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE DRY WELL DRAINAGE.
- 3 A LOG BOOK SHALL BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DEWATERS.
- 4 WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN THE 72 HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- 5. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA
- 6. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VARIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.



2. Width - 10' minimum, should be flared at the existing road to provide a turning

3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile

4. Stone - crushed garregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the

5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

where construction traffic enters or leaves a construction site." Vehicles leaving

Contractor Information

Owner Information

Stormceptor Model

FIRST PRESBYTERIAN CHURC

(410)715-4981

4800 🔲

6000 🔲

7200 🗆

AGGREGATE

No. 2 STONE

FILTER

22"

327/

Custom

FIRST PRESBYTERIAN CHURCH

Approximate time frame until required delivery (weeks)

Designer Company RIEMER MUESSE & ASSOCIATES, INC.

Designer Contact CHRIS REID Phone (410) 997-8900 Fax (410) 997-9282

Please fax this order to Stormceptor at (301) 762-4190 For Technical Assistance Please Call Stormceptor Corperation at

(301) 762-8361 cr toll free at 1 (800) 762-4703

ALL LIFTING APPARATUS TO BE PROVIDED BY THE INSTALLATION CONTRACTOR

CAP W/LOCK

FOOT PLATE

VINFILTRATION TRENCH DETAIL NT. S.

TOP ELEV. 375.25'

EL. 375'

4"-6" PERFORATED PVC PIPE

OBSERVATION WELL

EL.369'

Name

Address

State

Zip Code

Contact

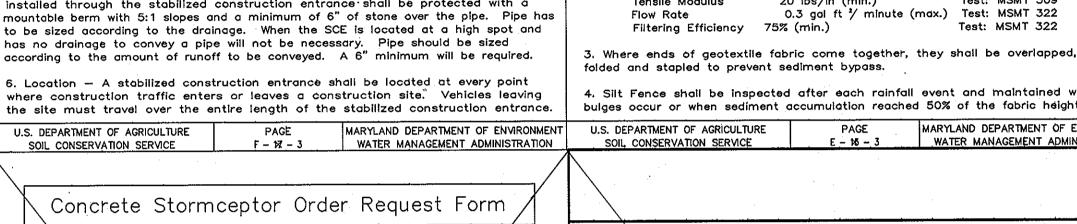
Phone

Phone

1200

1800 🔲

2400 🔲



Office Use Only

Internal Sale 🗕

340.0 340.0 386.56 386.46

Order# /

Date /

90°

provigé the inlet/outlet pipe angle in degrees.

Pipe Ingide Diameter (in) [ID]

| Pipe Outside Diameter (in) [OD] |

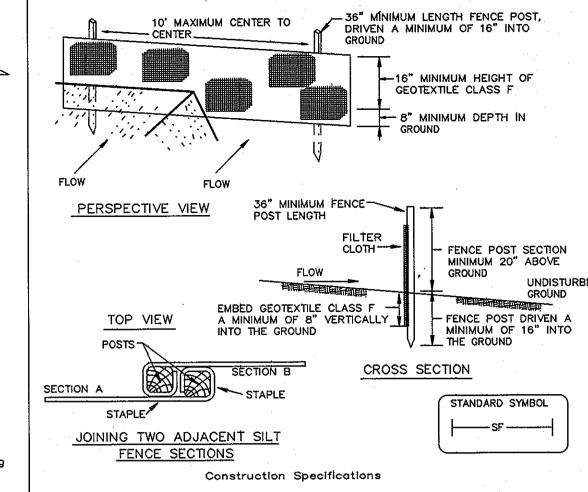
Zio Code _____

Finish Top Elevation (ft)

Top Slab Elevation (ft)

Outlet Pipe Invert (ft)

Talet Pipe Invert (ft)



DETAIL 22 - SILT FENCE

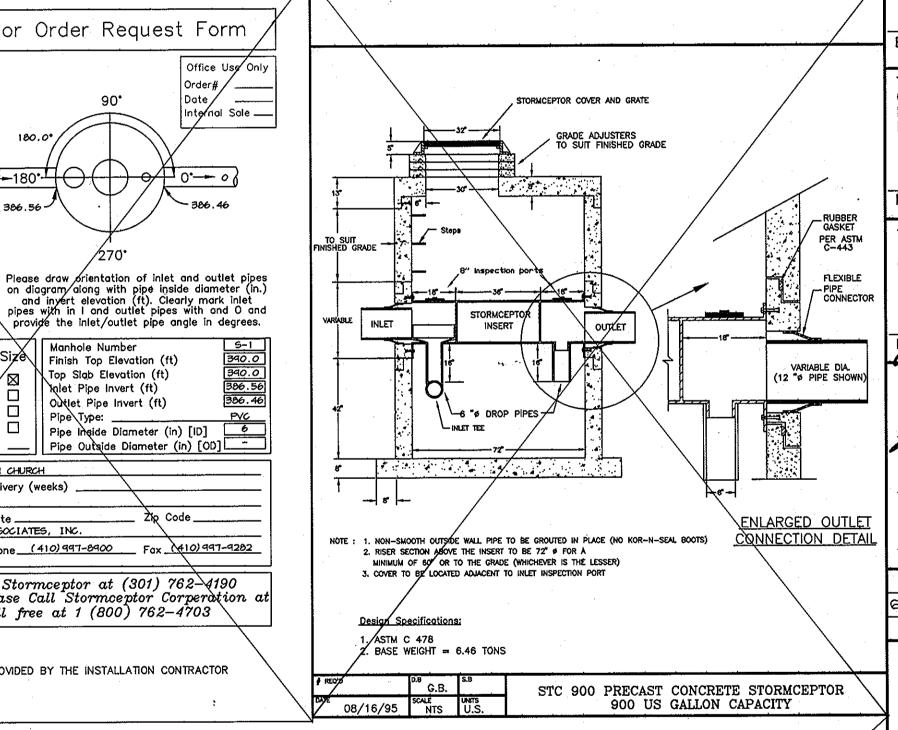
Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be $11/2" \times 11/2"$ square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

> Test: MSMT 509 Tensile Strength 50 lbs/in (min.) 20 lbs/in (min.) Test: MSMT 509 Tensile Modulus 0.3 gal ft ²/ minute (max.) Test: MSMT 322 Test: MSMT 322

. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



OPERATION AND MAINTENANCE SCHEDULE FOR STORMCEPTOR WATER QUALITY DEVICE

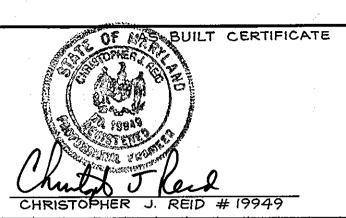
Stormceptor water quality structures will require periodic inspection and cleaning to maintain operation and function. Owner's will have the Stormceptor unit inspected yearly or as required by Howard County, utilizing the Stormcoptor Inspection/ Monitoring Form. Inspections can be done by using a clear Plexiques 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 whit is required.

Stormceptor water quality structures must be checked and cleaned immediately after petroleum spills. Contact appropriate regulatory agencies.

3. Maintenance of Stormcepton units should be done by a vacuum truck which will remove the water, sediment, debris, floating hydrocarbons, and other materials in the unit. The proper cleaning and disposal of the removed materials and liquid must be followed.

4. 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

5. Owner shall retain and make Stormceptor Inspection/Monitoring Forms available to Howard County officials upon their request



BY THE DEVELOPER :

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

4.21.99 DATE

4.21.99

DATE

1.15.99

I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSIO WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF TH SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION SUPERVISE POND CONSTRUCTION AND PROVIDE THE HOWARD

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL

mons OURCES CONSERVATION SERVICE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

4 25 99 DATE 4/20/99 ends Hamilla

CHIEF. DIVISION OF LAND DEVELOPMENT

OWNER/DEVELOPER

AREA

COLUMBIA, MARYLAND 21045 410-715-4981

RELIGIOUS FACILITY A BUILDING ADDITION

TAX MAP 30 ZONED NT & R-20 PARCEL 138 & 284

6th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE

RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING



DESIGNED BY : CJR DRAWN BY: DAM

PROJECT NO : 97282/SDP SDP5.DWG DATE: APRIL 21, 1999

DRAWING NO. 6 OF 8

SDP-99-41

AS-BUILT

INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

BY THE ENGINEER

AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.

REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL FROSION AND SEDIMENT CONTROL.

FIRST PRESBYTERIAN CHURCH 9325 PRESBYTERIAN CIRCLE

PROJECT FIRST PRESBYTERIAN CHURCH

SEDIMENT CONTROL NOTES AND DETAILS

8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282

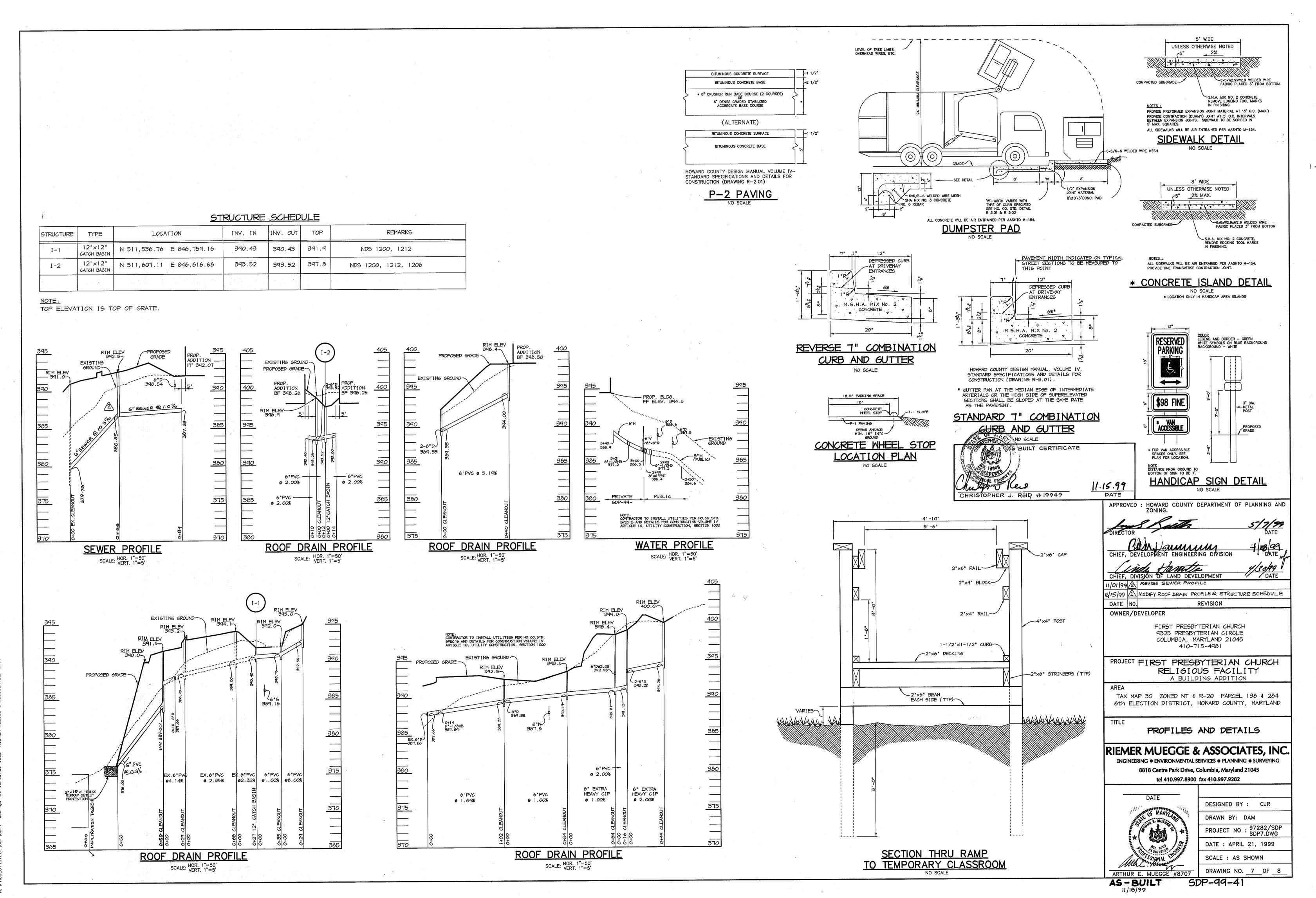
ARTHUR E. MUEGGE #8707

SCALE : AS SHOWN

Mthe E. Muez ENGINEER

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND

DATE 5-14-99/1 ADDED INFILTRATION TRENCH DETAILS NOTES DELETE STORM CEP

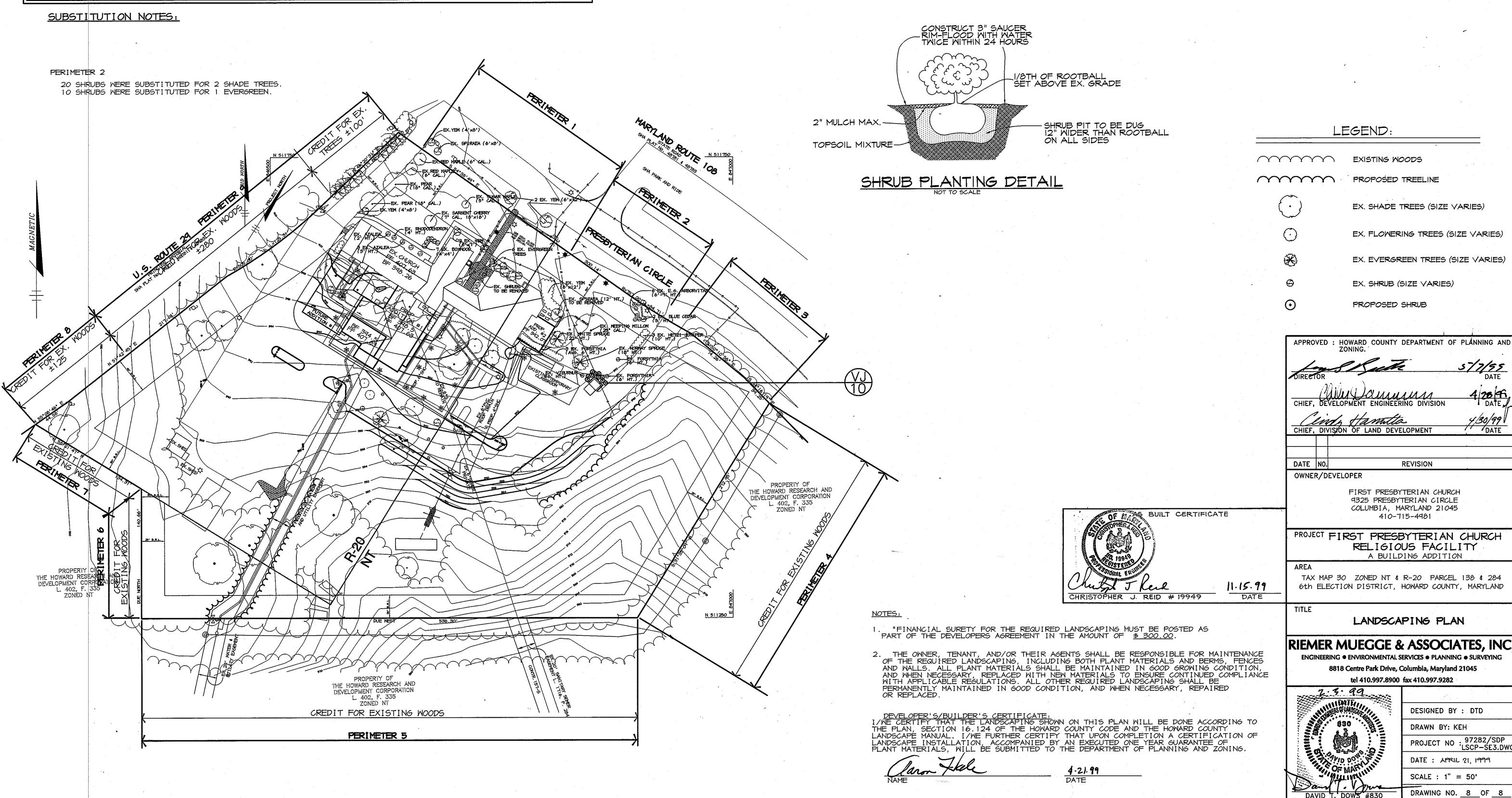


DO BETTO 2282) SOBY SIDE WAY ARE 21 12:00:30 1999 BIFMER WIFGGF & ASSOCIATES IN

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING	•
NUMBER OF PARKING SPACES (EXISTING)	(127) 94 prop.
NUMBER OF SHADE TREES REQUIRED @ 1 S.T./20 SPACES	N/A
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	N/A N/A
NUMBER OF ISLANDS REQUIRED (1 ISLAND/ 20 SPACES)	N/A
NUMBER OF ISLANDS PROVIDED	N/A

* ACCORDING TO PAGE 26 OF THE HOWARD COUNTY LANDSCAPE MANUAL DATED MARCH 2, 1998, EXPANSION OF LESS THAN 50% SHALL BE REQUIRED TO PROVIDE LANSCAPING FOR THE ADDITIONAL DEVELOPMENT ONLY. SINCE THE NUMBER OF SPACES HAS DECREASED AND NO EXPANSION HAS OCCURRED, NO PARKING LOT LANDSCAPE IS REQUIRED.

PLANT MATERIAL LIST REMARKS BOTANICAL + COMMON NAME FULL SHAPE



SDP-99-41 AS-BUILT 11/16/99

4 28 46 DATE

4/30/99 V DATE