## SITE DATA

LOCATION: TAX MAP 31; BLOCK 1 & 8; PARCEL '10', LOTS 1-5

5TH ELECTION DISTRICT EXISTING ZONING: R-20

SUBDIVISION: GLEN MAR METHODIST CHURCH.

DPZ\_REFERENCES: 8A-02-36C: WP-04-122: SDP-04-042 GROSS AREA OF PROJECT: 21.0966 AC (918,968 SF) AREA OF STEEP SLOPES: 1.04 AC (45229 SF)

NET AREA OF PROJECT: 21.0966 AC APPROXIMATE LIMIT OF DISTURBANCE: 3.08 AC (134,133 SF±)

1. ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.

2. DEED REFERENCES: 5044/333 3. THE PROJECT BOUNDARY IS BASED ON A BOUNDARY SURVEY PERFORMED BY

FREDERICK WARD ASSOCIATES, INC DATED 4. THE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY PROVIDED BY

FREDERICK WARD ASSOCIATES, INC DATED MAY 22, 2001. 5. COORDINATE DATUM IS BASED ON THE MARYLAND COORDINATE SYSTEM (NAD '83) AS PROJECTED

BY THE FOLLOWING HO.CO. GEODETIC CONTROL STATIONS: 31D4 & 31A3 6. WATER AND SEWER FOR THIS PROJECT TO TIE TO A PUBLIC SYSTEM

EXISTING WATER: 12-W

EXISTING SEWER: 20-3339 7. STORMWATER MANAGEMENT SERVING THE PROPOSED PUBLIC ROAD WILL BE INCLUDED IN THIS SUBMISSION. Cpv IS NOT REQUIRED FOR THIS PROJECT (Q < 2.0 c.f.s.). WQv AND Rev PROVIDED BY PROPOSED BIORETENTION FACILITY. THE PROPOSED STORMWATER MANAGEMENT FACILITY TO BE PRIVATELY OWNED AND MAINTAINED BY GLEN MAR UNITED METHODIST CHURCH. STORMWATER MANAGEMENT FOR THE BALANCE OF THE DEVELOPMENT TO BE ADDRESSED AT THE SITE DEVELOPMENT PLAN STAGE. STORMWATER MANAGEMENT IS IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL.

8. STORMWATER MANAGEMENT SOIL BORINGS FOR THIS SITE ARE BASED ON A GEOTECHNICAL ANALYSIS PROVIDED BY ENGINEERING CONSULTING SERVICES, INC DATED MAY 15, 2003.

9. WETLANDS DELINEATED BY FREDERICK WARD ASSOCIATES, INC. DATED AUGUST 2003. 10. AREA OF SLOPES 25% OR GREATER CONTIGUOUS OF 20,000 SF OR MORE: 42,644.72 SF(0.99 AC.)

11. THERE ARE NO FLOODPLAINS ON THIS SITE. 12. FOREST STAND DELINEATION PLAN PREPARED BY FREDERICK WARD ASSOCIATES, INC. DATED SEPTEMBER 2003.

13. TRAFFIC STUDY PREPARED BY THE TRAFFIC GROUP, DATED JULY 25, 2003. 14. A NOISE STUDY IS NOT REQUIRED FOR THIS SITE SINCE IT IS NON-RESIDENTIAL.

15. THE FOREST CONSERVATION OBLIGATIONS FOR THE DEVELOPMENT OF THESE LOTS WILL BE MET AND PROVIDED WITH THE SITE DEVELOPMENT PLAN FOR GLEN MAR UNITED METHODIST CHURCH, LOTS 1-5, SDP-04-042, OR ANY SUBSEQUENT SITE DEVELOPMENT PLAN FOR THESE LOTS IF SDP-04-042 DOES NOT OBTAIN APPROVAL.

16. SEDIMENT AND EROSION CONTROL WILL BE PROVIDED FOR THIS SITE. 17. THIS PROPERTY IS WITHIN THE METROPOLITAN DISTRICT.

18. THE PROPOSED STORMWATER MANAGEMENT FACITLITY IS TO BE PRIVATELY OWNED AND MAINTAINED BY GLEN MAR UNITED METHODIST CHURCH ..

19. REFERENCE WP-04-122, APPROVED MAY 14, 2004; TO WAIVE SECTIONS 16.144(a) & (f) TO NOT REQUIRE THE SUBMISSION AND APPROVAL OF SKETCH AND PRELIMINARY PLANS FOR A MAJOR SUBDIVISION OF PARCEL 10 THAT WILL INVOLVE PUBLIC ROAD IMPROVEMENTS, SUBJECT TO THE FOLLOWING CONDITIONS: DEVELOPER WILL BE REQUIRED TO OBTAIN AND MEET ALL TERMS AND CONDITIONS OF A REQUIRED ACCESS PERMIT PRIOR TO ANY CONSTRUCTION IN THE SHA RIGHT-OF-WAY.

20. REFERENCE SDP-04-42 FOR STORMWATER FOR GLEN MAR UNITED METHODIST CHURCH. 21. ONLY THE REQUIRED PUBLIC ROAD STREET TREES AND THE REQUIRED PLANTING OF THE BIORETENTION SWMF ARE PROVIDED ON THE CERITIFIED PLANTING PLAN INCLUDED IN THIS ROAD CONSTRUCTION PLAN SET. ALL OTHER LANDSCAPE/PLANTING OBLIGATIONS FOR THE DEVELOPMENT OF THESE LOTS WILL BE MET AND PRIVIDED WITH THE SITE DEVELOPMENT PLAN FOR GLEN MAR UNITED METHODIST CHURCH. LOTS 1-5, SDP-04-042, OR ANY SUBSEQUENT SITE DEVELOPMENT PLANS FOR THESE LOTS IF

SDP-04-042 DOES NOT OBTAIN APPROVAL. 22. THIS PLAN IS SUBJECT TO BA-02-36C, APPROVED NOVEMBER 18, 2002, FOR CONDITIONAL USES FOR A STRUCTURE USED PRIMARILY FOR RELIGIOUS ACTIVITIES AND FOR A CHILD DAY CARE AND NURSERY SCHOOL IN AN R-20 ZONING DISTRICT, FILED PURSUANT TO SECTIONS 131.N.38 AND SECTION 131.N.13 OF THE HOWARD COUNTY ZONING REGULATION; PROVIDED, HOWEVER, THAT THE CONDITIONAL USES WILL APPLY ONLY TO THE USES AND STRUCTURES AS DESCRIBED IN THE PETITION AND CONDITUIONAL USE PLAN SUBMITTED, AS AMENDED HEREBY, AND NOT TO ANY OTHER ACTIVITIES, USES, STRUCTURES, OR ADDITIONS ON THE PROPERTY.

SPECIFIC CRITERIA FOR RELIGIOUS ACTIVITIES, STRUCTURES USED PRIMARILY FOR (SECTION 131.N.38) 1. THE PROPOSED BUILDING WILL COVER APPROXIMATELY 45,635 SF., WHICH IS NO MORE THAN 5% OF THE LOT SIZE. THE LOT COVERAGE WILL THEREFORE NOT EXCEED THE MAXIMUM OF 25% AS REQUIRED

BY SECTION 131.N.38(A). 2. THE PROPOSED STRUCTURE WILL BE 43 FEET IN HEIGHT, WHICH IS ABOVE THE MAXIMUM HEIGHT LIMITATION OF 34 FEET IN THE R-20 ZONE. THIS HEIGHT IS PERMITTED UNDER SECTION 131.N.38 OF THE MINIMUM SETBACKS ARE INCREASED BY 9 FEET. THE STRUCTURE IS SET BACK 126 FEET FROM NEW CUT ROAD TO THE EAST AND 49 FEET FROM NEW CUT ROAD TO THE WEST. THESE SETBACKS WELL EXCEED THE MINIMUM OF 59 FEET AND 49 FEET, RESPECTIVELY. THE STRUCTURE WILL THEREFORE COMPLY WITH SECTION 131.N.38(B).

SPECIFIC CRITERIA FOR CHILD DAY CARE CENTERS AND NURSERY SCHOOLS, DAY TREATMENT AND CARE FACILITIES (SECTION 131.N.13) THE INTERNAL DRIVEWAY LEADS TO TWO DROP-OFF AREAS ADJACENT TO SIDEWALKS LOCATED NEAR THE

MAIN ENTRANCE AND NEAR THE EDUCATIONAL WING, PROVIDING SAFE CIRCULATION IN ACCORDANCE WITH SECTION 131.N.13.A. THE PROPOSED FACILITY IS NOT LOCATED IN A INDUSTRIAL COMMERCIAL DISTRICT; THEREFORE,

SECTION 131.N.13.B. DOES NOT APPLY.

3. AT 500 GROSS FEET AREA OF LOT PER CHILD, A LOT OF 3.95 ACREAS WOULD BE REQUIRED TO ACCOMMODATE THE 344 CHILDREN (184 DAYCARE CHILDREN PLUS 160 NURSERY SCHOOL CHILDREN) WHO WILL USE THE SITE. THE 22.36 ACRE SITE IS MORE THAN ADEQUATE TO MEET THE STANDARD OF SECTION 131.N.13.C.

THE TWO PROPOSED PLAYGROUNDS WILL BE FENCED AND LOCATED TO THE SIDES OF THE PRINCIPAL STRUCTURES. EACH WILL BE LOCATED MORE THAN 230 FEET FROM THE NEAREST DWELLING AND SCREENED BY PERIMETER LANDSCAPING. THE PLAYGROUNDS THEREFORE MEET THE REQUIREMENTS OF

5. THE PARKING AREAS WILL BE LOCATED TOWARD THE CENTER OF THE SITE AND WILL BE WELL SET BACK FROM ADJACENT RESIDENTAL PROPERTIES. THEY ARE ALSO ADEQUATELY BUFFERED BY THE LANDSCAPING, IN ACCORDANCE WITH SECTION 131.N.13.E.

6. THE DESIGN AND MASSING OF THE BUILDING, GIVEN THE SIZE OF THE SITE AND THE EXTENSIVE SETBACKS AND LANDSCAPING TO BE PROVIDED, WILL BE GENERALLY COMPATIBLE WITH THE RESIDENTIAL PROPERTIES IN THE VICINITY, IN ACCORDANCE WITH SECTION 131.N.13.F. THE PROPOSED FACILITY WILL BE IN A RESIDENTIAL DISTRICT AND HAVE A CAPACITY OF MORE THAN 30 CHILDREN.

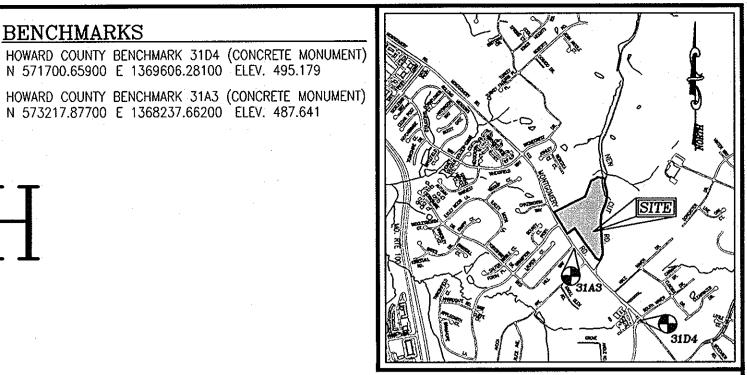
(1) THE PROPERTY FRONTS ON MONTGOMERY ROAD, A MINOR ARTERIAL, AND WILL FRONT ON THE NEW NEW CUT ROAD. A MAJOR COLLECTOR. THIS SITE WILL HAVE DIRECT ACCESS TO NEW CUT ROAD. THE SITE THEREFORE COMPLIES WITH SECTION 131.N.13.G(1). (2) THE PROPOSED BUILDING AND PLAY AREAS ARE LOCATED MORE THAN 50 FEET FROM ADJOINING PROPERTIES, IN COMPLIANCE WITH THE SETBACK REQUIREMENT OF SECTION 131.13.G(2). THE PARKING AREA IN THE SOUTHWEST PORTION OF THE LOT, HOWEVER, IS 29 FEET FROM THE ADJACENT PROPERTIES. I MAY REDUCE THIS SETBACK TO NO LESS THEN 20 FEET IF THE PROPERTY IS PROPERLY BUFFERED IN ACCORDANCE WITH SECTION 131N.13.G(2)(B). I FIND THAT THE TYPE C LANDSCAPE BUFFER PROPOSED FOR THE SOUTH END OF THE LOT, COMBINED WITH THE PROPOSED SETBACK OF 29 FEET, WILL PROVIDE AND EFFECTIVE AND ATTRACTIVE BUFFER FOR NEIGHBORING RESIDENTIAL PROPERTIES IN ACCORDANCE WITH THIS SECTION.

(3) APPROXIMATELY 5.6 ACRES OF THE 11.51 ACRE BUILDING ENVELOPE, OR 48%, WILL BE GREEN SPACE. THIS EXCEED THE MINIMUM OF 20% GREEN SPACE REQUIRED BY SECTION 131.13.G(3). THIS PROJECT IS SUBJECT TO COMPLIANCE WITH THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.

24,≥4. PLANNING AND ZONING FILE NUMBERS: S-02-03; F-99-25; F-86-13; P-03-02, BA-02-036C, SDP-04-042, WP-04-122... 25,24. NON-BUILDABLE OPEN SPACE LOT 5 HAS BEEN SUBDIVIDED TO BE CONVEYED TO HOWARD COUNTY FOR THE PURPOSE OF A PUBLIC ROAD. LOT 2 IS NOT BUILDABLE SINCE IT DOES NOT MEET BULK REGULATIONS ON ITS OWN. NON-BUILDABLE OPEN SPACE LOT 2 IS INTENDED TO BE CONVEYED TO THE ADJACENT PROPERTY OWNER.

27,36. WETLANDS DELINEATED BY FREDERICK WARD ASSOCIATES, DATED AUGUST 2003. THE FOREST CONSERVATION OBLIGATION OF 3.21 ACRES OF AFFORESTATION FOR SDP-04-042 AND THIS SUBDIVISION SHALL BE SATISFIED BY PROVIDING 2.99 ACRES OF ONSITE AFFORESTATION AND PAYMENT OF \$4,791.60 TO THE HO. CO. FOREST CONSERVATION FUND FOR THE REMAINING 0.22 ACRES OF AFFORESTATION PER SOP-04-42 ANY ADDITIONAL PARKING AREAS THAT ARE ADDED IN FUTURE PHASES WILL RQUIRE A REVISED SWM PLAN. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED STREAM(5) OR THEIR BUFFERS, AREAS OF STEEP SLOPES GREATER THAN OR EQUAL TO 20,000 SF, AND FOREST CONSERVATION EASEMENT AREAS.

## FINAL ROAD CONSTRUCTI **BENCHMARKS** N 571700,65900 E 1369606.28100 ELEV. 495.179 HOWARD COUNTY BENCHMARK 31A3 (CONCRETE MONUMENT N 573217.87700 E 1368237.66200 ELEV. 487.641 PARCEL 10, LOTS 1-5



## VICINITY MAP SCALE: 1"=2000'

**LEGEND** -----382 Existing Contour Proposed Contour

Existing Spot Elevation Proposed Spot Elevation Direction of Flow

Existing Trees to Remain

Light Poles □-♡ Single Overhead ♡-□-♡ Double Overhead

+82<u>53</u>

COORDINATE CHART 573989.2467 1367839.3278 574299.6737 1368472.2371 1368567.8163 574555.6409 574638.4166 1368602.8905 1368673.5480 574708.0745 1368736.7100 1368880.6566 574681.1118 574641.9987 1368869.9575 1368893.4806 574509.0639 1368907.1083 574512.7597 574381.6301 1368934.0565 574184.5326 1368915.1736 573953.4289 1368826.5885 573722.7941 1368813.6031 573080.5133 1368853.1961 572813.8354 1368707.8640 572816.2476 1368703.1139 572815.9507 1368699.6815 572974.8311 1368781,1946 1368691.0636 573027.1193 573170.1133 1368590.7525 573056.3921 1368439.3066 573064.3194 1368433.2104 1368584.7627 573178.1210 573354.2885 1368452.9864 573563.0165 1368314.4106 573638.4729 1368263.9314 573524.3392 1368111.3634

> OWNER/DEVELOPER GLENMAR UNITED METHODIST CHURCH 8430 GLENMAR RD ELLICOTT CITY, MD 21043 AL HAMMER (410) 465-4995

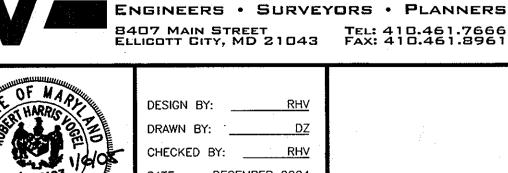
REVISION NO. ROAD CONSTRUCTION PLANS

COVER SHEET

RELOCATED NEW CUT ROAD GLEN MAR UNITED METHODIST CHURCH

TAX MAP 31 BLOCK 1 & 8 PARCEL '10', LOTS 1-5 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND ROBERT H. VOGEL

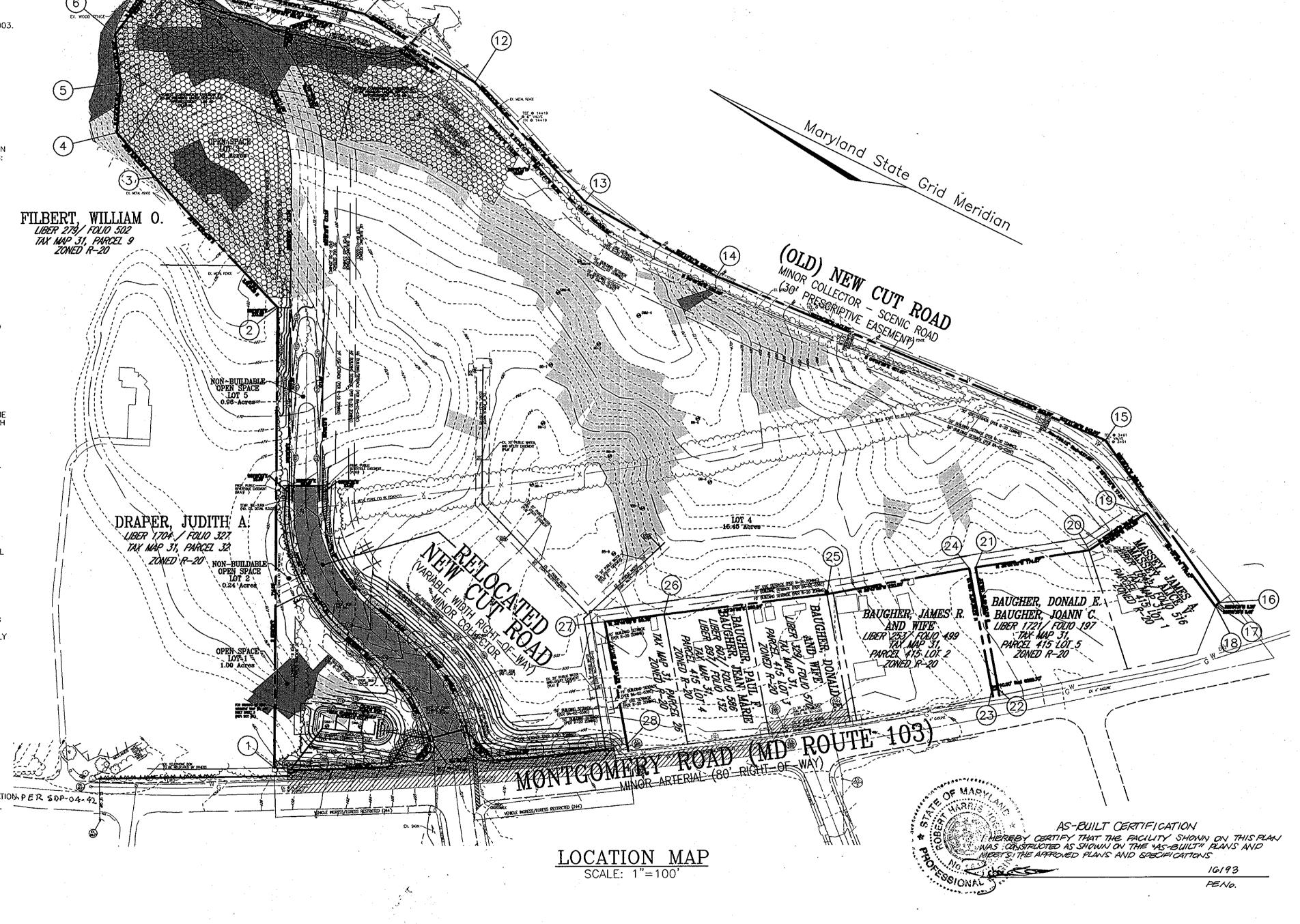
ENGINEERING, INC.



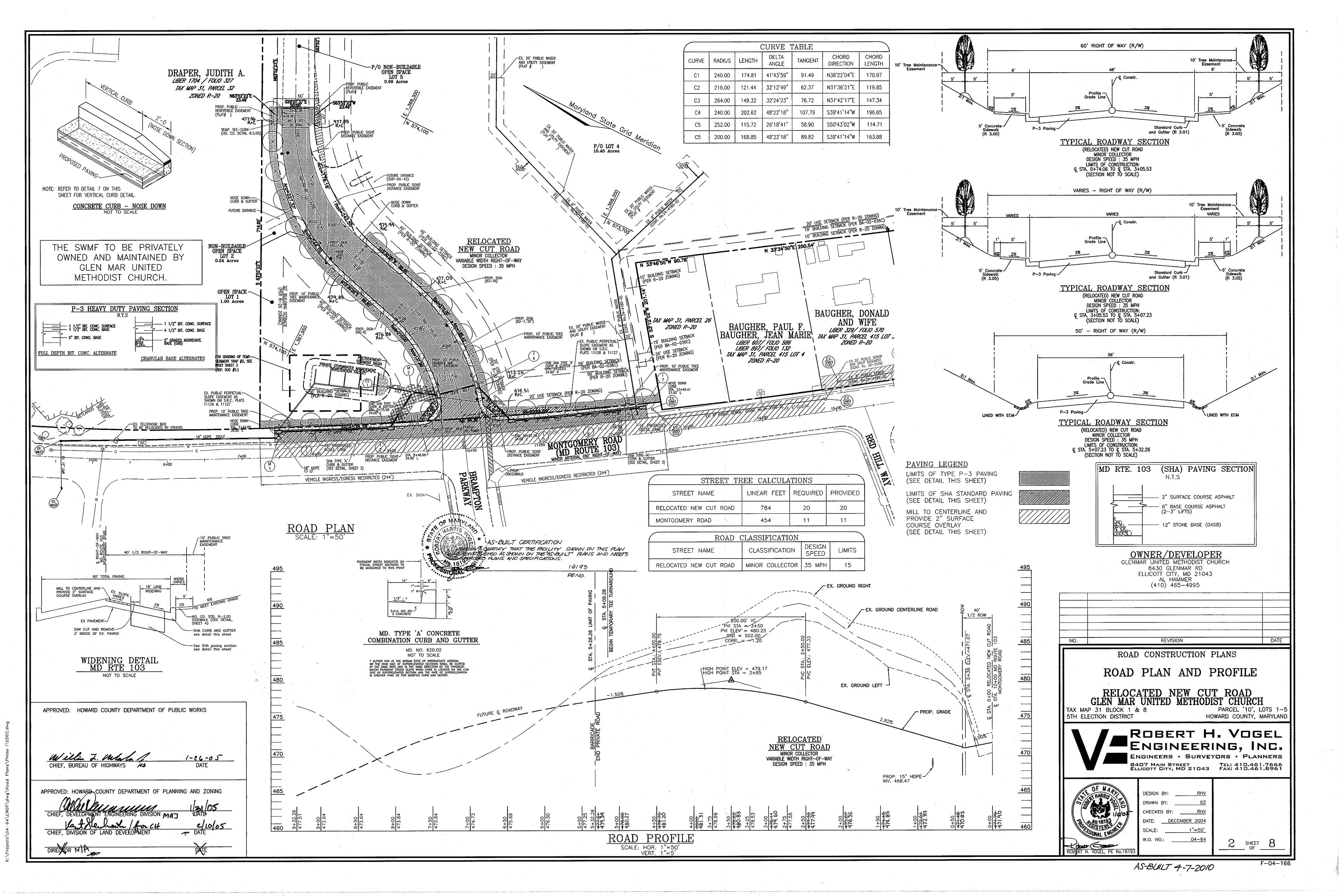
Con . ROBERT H. VOGEL, PE No.16

DESIGN BY: CHECKED BY: DECEMBER 2004 SCALE: AS SHOWN W.O. NO.:

SHEET OF \_

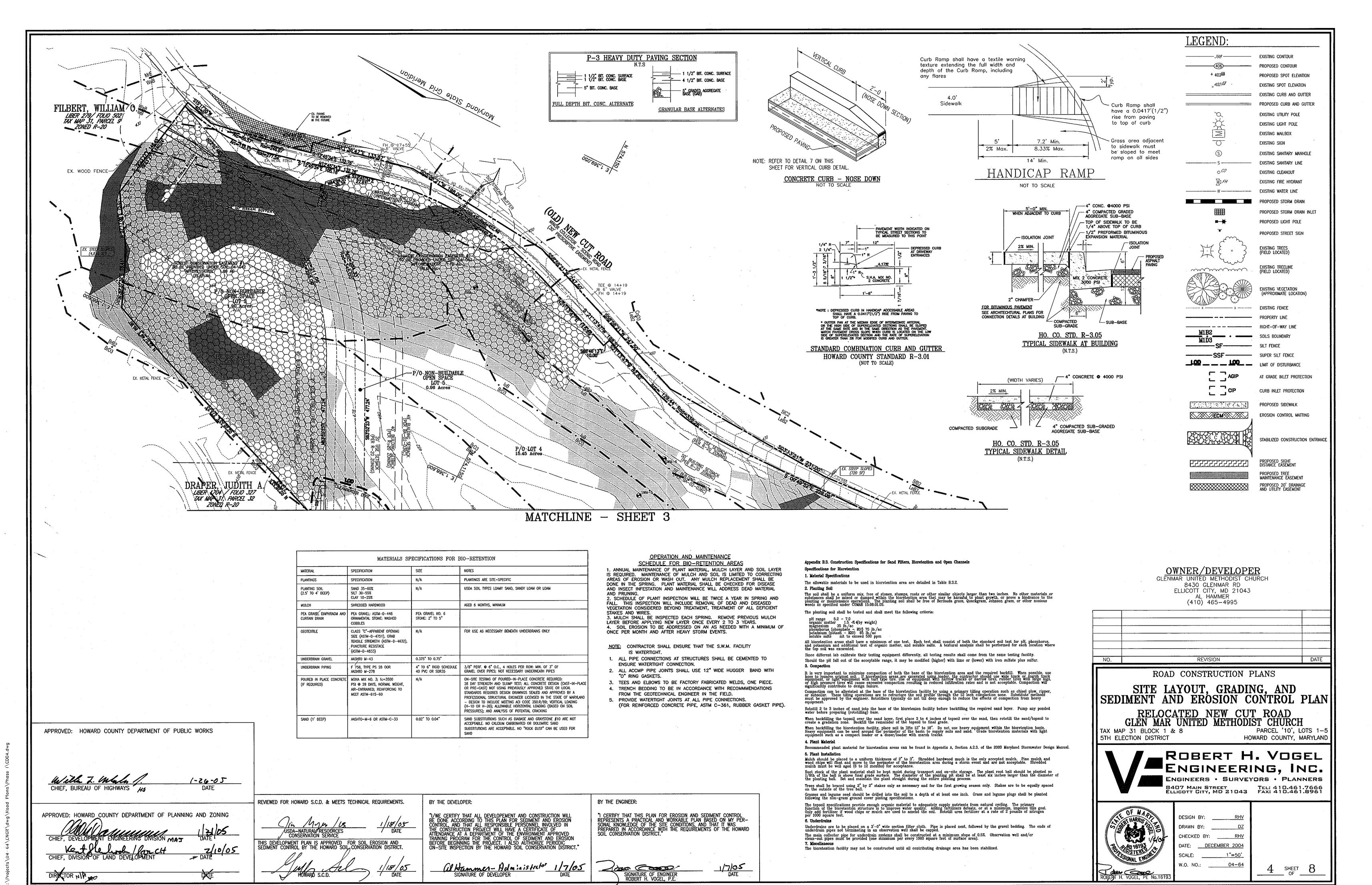


APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS



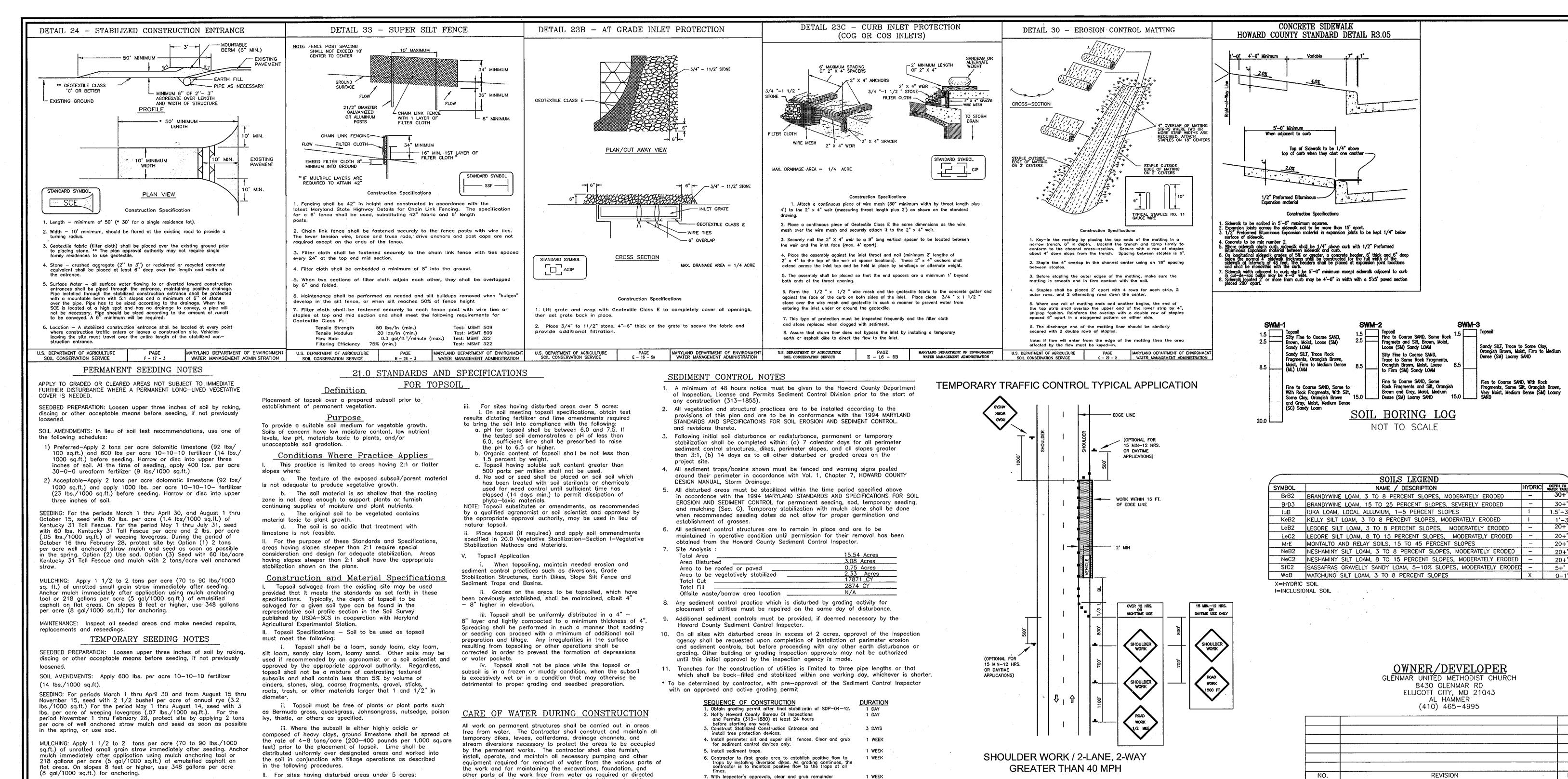
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AS-BUILT 4-7-2010

F-04-166



GLENMAR UNITED METHODIST CHURCH ELLICOTT CITY, MD 21043

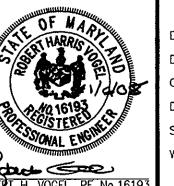
REVISION DATE ROAD CONSTRUCTION PLANS

SEDIMENT AND EROSION CONTROL NOTES AND DETAILS

TAX MAP 31 BLOCK 1 & 8 PARCEL '10', LOTS 1-5 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.

ENGINEERS . SURVEYORS . PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



DESIGN BY: CHECKED BY: DECEMBER 2004 SCALE: AS SHOWN 04-64 W.O. NO.:

5 SHEET OF

HYDRIC WATER TA

30+

1.5'-3

1'-3 20+

20+

20+

20+'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT

EROSION AND SEDIMENT CONTROL

Construction operations will be carried out in such a manner that

erosion will be controlled and water and air pollution minimized.

ollowed. Construction plans shall detail erosion and sediment

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

State and local laws concerning pollution abatement will be

control measures to be employed during the construction process.

1-26-05 DATE

i. Place topsoil (if required) and apply soil

amendments as specified in 20.0 Vegetative Stabilization

Section I - Vegetative Stabilization Methods and Materials.

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

BY THE DEVELOPER:

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

1/4/66 L'and Room SIGNATURE OF ENGINEER ROBERT H. VOGEL, P.E.

With Inspector's approvals, clear and grub remainder of site to LOD. 3 WEEKS 8. Begin mass grading. 9. Grade road to sub-base. 1 WEEK 10. Install storm drain systems, block pipe and install inlet 2 WEEKS 11. With road graded to sub-base and inlets in place begin 2 WEEKS installation of curb and gutter. 12. With curb and gutter in place, pave road and install sidewalks as shown on plans. 2 WEEKS With inspector's approval and road paving complete, remove sediment traps and stabilize. Construct Bio—Retention facility. 2 WEEKS 14. With inspector's approval and bio-retention facility completed. remove blocking in storm drain system, and install bioretentia 16. During grading and after each rainfall, the contractor shall inspect and provide the necessary maintenance on the sediment and erosion control measures shown During grading and after each rainfall, contractor will inspect and provide necessary maintenance to the Sediment Control measures on this plan.

Fallowing initial soil disturbances or redisturbance permanent or temporary stabilization shall be completed within: A. 7 calendar days for all perimeter Sediment Control Structures, Dikes, Swales and all slopes greater than 3:1.

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

STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES STANDARD NO. MD 104.02-01 THIS DRAWING SHALL BE USED IN COMBINATION WITH THE GENERAL NOTES MD 104.00-01 - MD 104.00-18 AND STANDARD DETAILS MD 104.01-01 -SHOULDER CLOSED SIGNS ARE REQUIRED IN PLACE OF SHOULDER WORK SIGNS WHEN THE SHOULDER IS CLOSED BY A PHYSICAL BARRIER REFER TO STANDARD NO. MD 104.06-14.

> CHANNELIZING DEVICES ---- SIGN SUPPORT DIRECTION OF TRAFFIC

WHEN WORK INVOLVES A PAVEMENT

EDGE DROP-OFF, REFER TO STANDARD

NOS. MD 104.06-11 TO MD 104.06-15

Maryland Department of Transportation

AS-BUILT 4-7-2010

which the water shall be pumped.

by the engineer for constructing each part of the work. After

be removed or leveled and graded to the extent required or

having served their purpose, all temporary protective works shall

prevent obstruction in any degree whatsoever of the flow of water

to the spillway or outlet works and so as not to interfere in any

way with the operation or maintenance of the structure. Stream

required excavation and the foundation shall be accomplished in a

diversions shall be maintained until the full flow can be passed

through the permanent works. The removal of water from the

manner and to the extent that will maintain stability of the

excavated slopes and bottom of required excavations and will

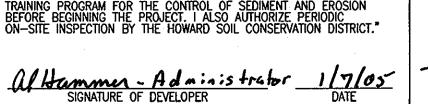
locations which may require draining the water to sumps from

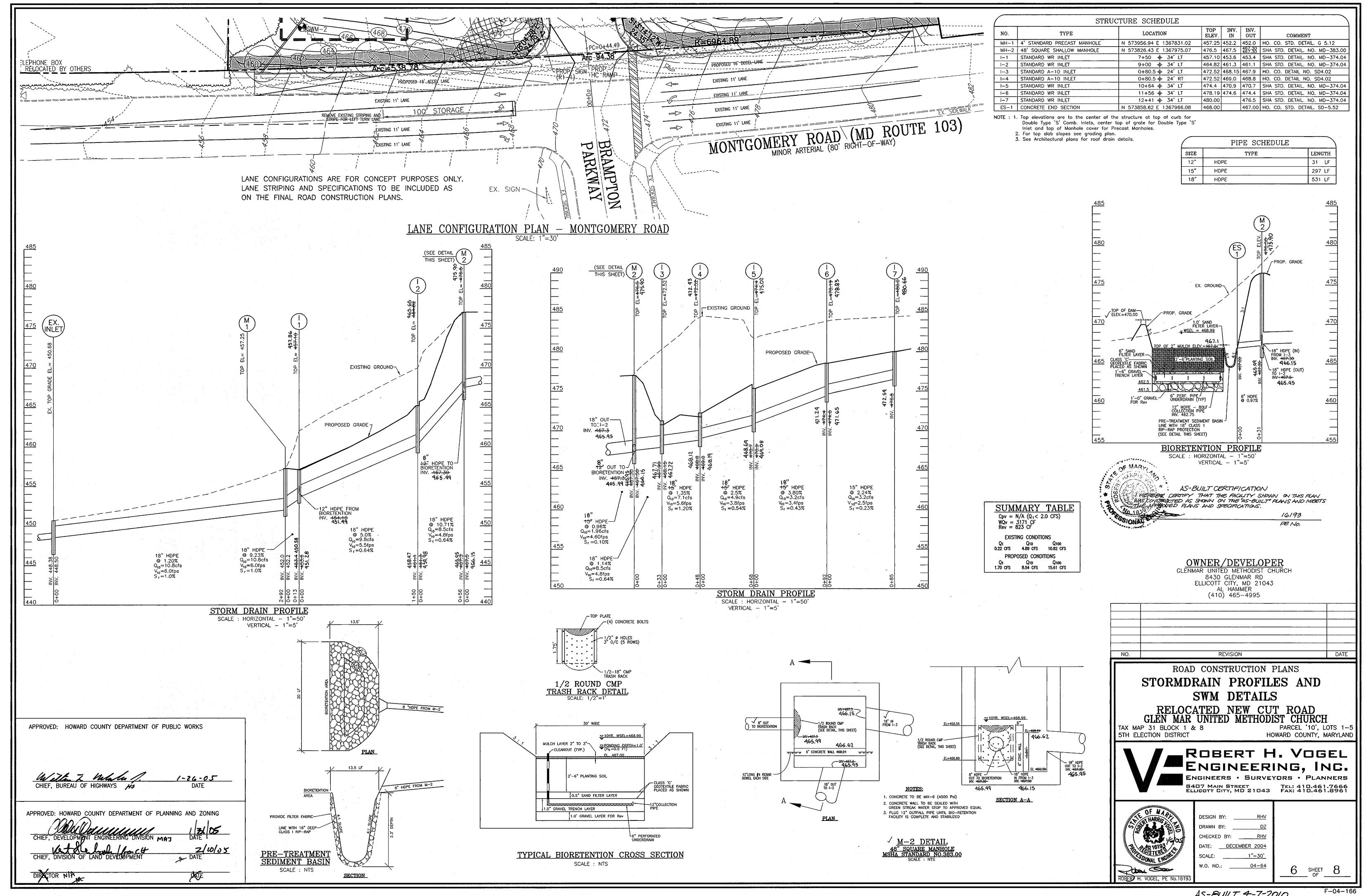
allow satisfactory performance of all construction operations.

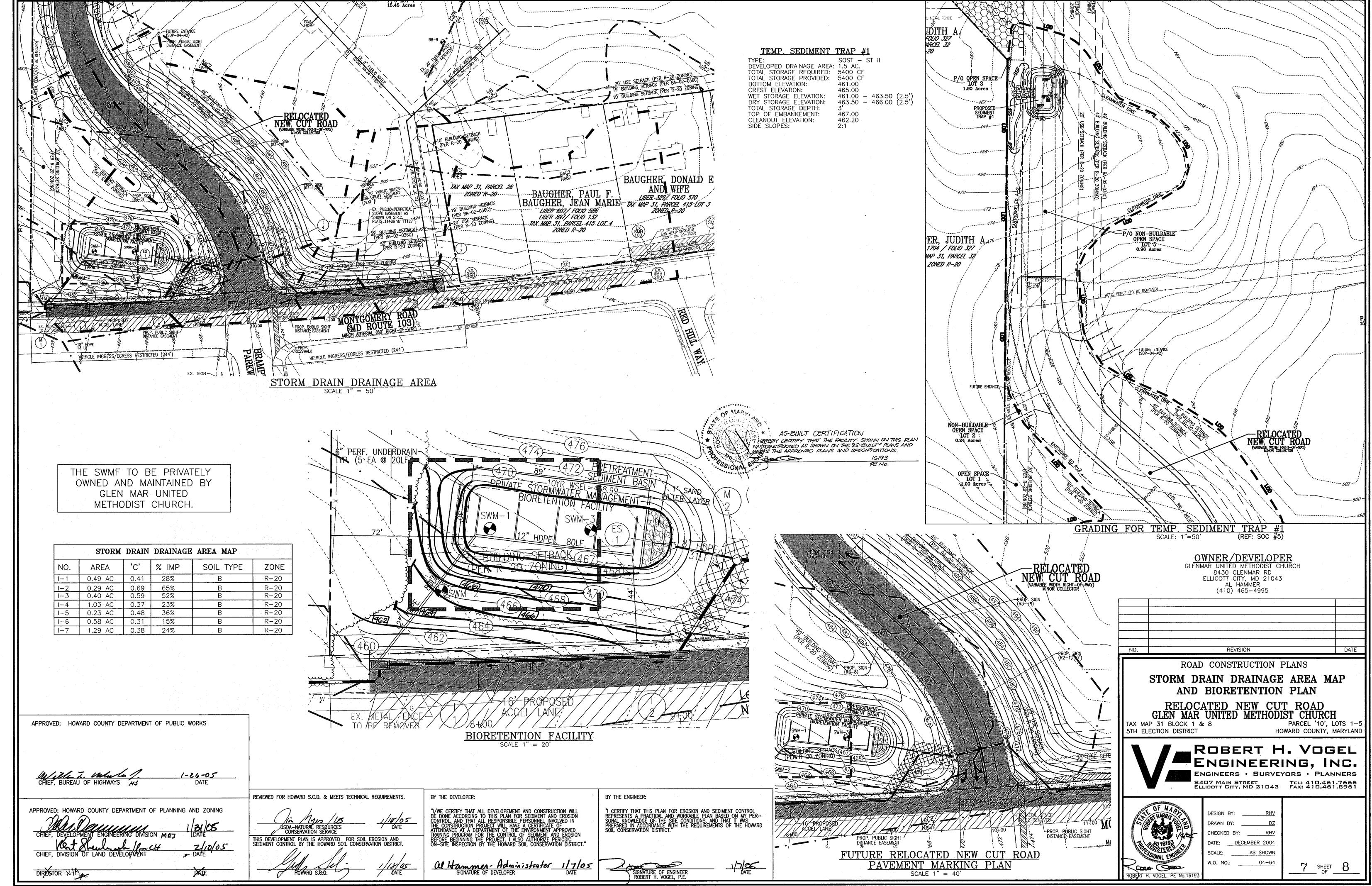
During the placing and compacting of material in required

excavations, the water level at the locations being refilled shall be maintained below the bottom of the excavation at such

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.

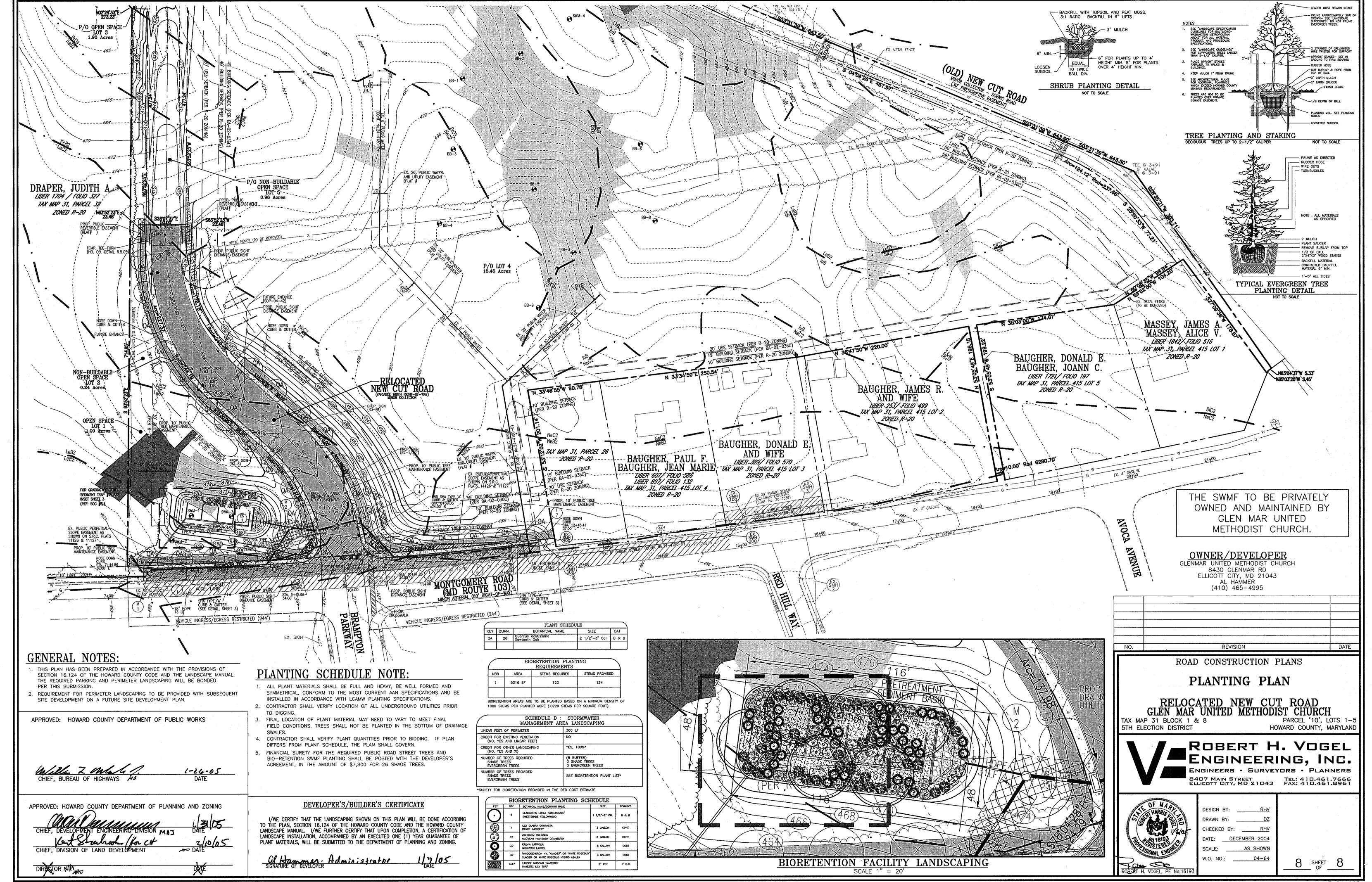






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