

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE OR AS SPECIFIED.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE BASED SOLELY ON AVAILABLE RECORDS. CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITIES WHICH MAY BE IMPACTED BY THE WORK. 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.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE, AND SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- ANY DAMAGE CAUSED BY THE CONTRACTOR TO EXISTING PUBLIC RIGHT-OF-WAY, EXISTING PAVING, EXISTING CURB AND GUTTER, EXISTING UTILITIES, ETC. SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- TOPOGRAPHY TAKEN FROM FIELD RUN SURVEY BY O'CONNELL & LAWRENCE, INC. (L) BASED ON HOWARD COUNTY CONTROL VIA ELECTRONIC TRANSFER IN JANUARY, 2000.
- 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 07AB AND NGS STA. PAULA 2 WERE USED FOR THIS PROJECT.
- PRIVATE WATER AND SEWER ON SITE.
- ALL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED AND VERIFIED IN ACCORDANCE WITH AASHTO T-100.
- STORMWATER MANAGEMENT AND WATER QUALITY ARE PROVIDED IN A RETENTION FACILITY LOCATED ON SITE PER SDP-02-47.
- THIS SITE IS SUBJECT TO THE ESTABLISHED FOREST CONSERVATION REQUIREMENTS. THE FCA OBLIGATION FOR THE PROJECT WAS BASED ON THE LATEST FCA REQUIREMENTS INCLUDING 0.10 AC OF AFFORESTATION SATISFIED ON-SITE WITH THE RECORDED EASEMENT ON A FOREST CONSERVATION PLAN (PLAT NO. 26169).**
- OPERATING EXISTING VALVES, SWITCHES, SERVICES OR START UP OF NEW SERVICES SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- THE BUILDING WILL BE PROVIDED WITH A SPRINKLER SYSTEM.
- TRENCH COMPACTION FOR STORM DRAINS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL IV, STD. NO. G-2.01.
- UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WATER, SEWER, AND DRAIN HOUSE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN 2.0 FEET MINIMUM COVER OVER ALL UTILITIES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED, ALL UTILITY CONNECTIONS SHALL BE CAPPED OR PLUGGED FIVE FEET FROM BUILDINGS.
- ELECTRIC, TELEPHONE, GAS, CABLE, LIGHTING, AND RETAINING WALLS TO BE DESIGNED BY OTHERS. WHERE THOSE FACILITIES ARE SHOWN, THEY ARE FOR COORDINATION PURPOSES ONLY.
- ALL CURB RADIUS 5' UNLESS OTHERWISE NOTED.
- THERE ARE NO KNOWN CEMETERIES OR BURIAL GROUNDS ON THIS SITE. HOWEVER, UPON DISCOVERY OF ANY EVIDENCE OF BURIAL OR GRAVES, THE DEVELOPER WILL BE SUBJECT TO SECTION 16.1505 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- ALL EXTERIOR LIGHTING FIXTURES SHALL BE INSTALLED IN COMPLIANCE WITH SECTION 134 OF THE ZONING REGULATIONS.
- BUILDING ADDITION TO HAVE AN AUTOMATIC SPRINKLER SYSTEM.
- NO CLEARING, GRADING OR CONSTRUCTION IS ALLOWED WITHIN THE WETLANDS, STREAM OR THEIR REQUIRED BUFFERS.
- AS A CONSEQUENCE OF ITS SUBMISSION ON NOVEMBER 6, 2001, THIS SDP IS GRANDFATHERED TO THE FOURTH EDITION OF THE SUBDIVISION REGULATIONS.
- TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- THERE IS NO FLOODPLAIN ON THIS SITE.
- THE WETLANDS DELINEATION STUDY FOR THIS PROJECT WAS PREPARED BY DMW, DATED 4/7/01, AND WAS APPROVED ON 9/01.
- NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
- BOARD OF APPEALS CASE NO. BA-00-23E APPROVED A CONDITIONAL USE PETITION FOR ENLARGEMENT OF AN EXISTING RELIGIOUS FACILITY SUBJECT TO THE FOLLOWING: 1. SITE SHALL BE USED ONLY PER THE AMENDED CONDITIONAL USE PLANS DATED 10/10/00; 2. PARKING LOT LIGHTING SHALL CONFORM TO SECTION 134 OF THE ZONING REGULATIONS; 3. IMPROVEMENTS SHALL BE PHASED, WITH THE FINAL PHASE COMMENCING BY 10/20/07; AND 4. PETITIONER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY REGULATIONS. APPROVED 11/6/2000.
- GROUNDWATER APPROPRIATIONS PERMIT NO. HO 756-AF003 (REVISED) HAS BEEN APPLIED FOR.
- THE SEWAGE DISPOSAL AREA SHOWN ON THIS SDP IS FOR SAND MOUND ONLY AND IS ~75,000 S.F. THERE IS TO BE NO OTHER BUILDING ON THIS AREA. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER.
- THE EXISTING TOPOGRAPHY FOR THE NEW IMPROVEMENTS SHOWN IS TAKEN FROM A FIELD RUN SURVEY, AND SUPPLEMENTED WITH HOWARD COUNTY DIGITAL GIS REFLECTING TWO FOOT CONTOUR INTERVALS. PREPARED BY DAFT MCCUNE WALKER DATED FEBRUARY 2016.
- STORMWATER MANAGEMENT ESD TO THE (MEP) MAXIMUM EXTENT PRACTICAL SHALL CONSIST OF (M-5) DRY WELLS AND (N-2) NON-ROOFTOP DISCONNECT GRASS CHANNEL. THESE FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED BY ST. MICHAEL'S ROMAN CATHOLIC CHURCH.
- EXISTING UTILITIES ARE BASED ON A FIELD RUN SURVEY PREPARED BY DAFT MCCUNE WALKER AND SUPPLEMENTED WITH EXISTING APPROVED SDP-02-47 PLANS.
- BOARD OF APPEALS CASE NO. BA-19-016C APPROVED THE CONDITIONAL USE PETITION DATED NOVEMBER 18, 2019 FOR AN EXPANSION OF CONDITIONAL USES FOR A RELIGIOUS FACILITY, STRUCTURES AND LAND USED PRIMARILY FOR RELIGIOUS ACTIVITY AND A CHILD DAY CARE CENTER/NURSERY SCHOOL AS DESCRIBED IN THE PETITION AND AS DEPICTED ON THE CONDITIONAL USE PLAN DATED MAY 21, 2019, AND NOT TO ANY OTHER ACTIVITIES, USES, OR STRUCTURES ON THE PROPERTY. THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
 - THE CONDITIONAL USE SHALL BE CONDUCTED IN CONFORMANCE WITH AND SHALL APPLY ONLY TO THE CONDITIONAL USE FOR RELIGIOUS FACILITY, STRUCTURES AND LAND USED PRIMARILY FOR RELIGIOUS ACTIVITY AND A CHILD DAY CARE CENTER/NURSERY SCHOOL AS DESCRIBED IN THE PETITION AND AS DEPICTED ON THE CONDITIONAL USE PLAN DATED MAY 21, 2019, AND NOT TO ANY OTHER ACTIVITIES, USES, OR STRUCTURES ON THE PROPERTY.
 - THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
- DESIGN AND INSTALLATION DETAILS OF SEWAGE DISPOSAL SYSTEM FLOW EQUALIZATION COMPONENTS SHOWN ON THIS PLAN ARE PROVIDED IN A SUPPLEMENTAL PLAN ON FILE AT THE HOWARD COUNTY HEALTH DEPARTMENT. DETAILS IN THAT PLAN MUST BE APPROVED PRIOR TO HEALTH ISSUANCE OF A SEPTIC PERMIT OR BUILDING PERMIT.

FOREST CONSERVATION NOTES:

- ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
- THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, OR DISTURBANCE OF VEGETATION IN THE FCE, EXCEPT AS PERMITTED BY THE HOWARD COUNTY DPZ.
- NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED AS A FCE.
- THE PROPOSED LOT FOR THE PROJECT IS NOT WITHIN CLOSE PROXIMITY OF THE FCE LIMITS AND THEREFORE NO TEMPORARY FENCING SHALL BE REQUIRED AT THIS TIME.
- PERMANENT PROTECTIVE SIGNAGE WILL BE POSTED AT 50-100 FOOT INTERVALS ALONG ALL FCE LIMITS AS SHOWN ON THIS PLAN.
- THE FCA OBLIGATION IS BASED ON THE PROPOSED LOT FOR THIS PROJECT AND NOT THE ENTIRE PROPERTY. THE FCA REQUIREMENTS FOR THIS PROJECT INCLUDES 0.10 AC OF AFFORESTATION THAT WILL BE SATISFIED WITHIN THE FCE AS DETAILED ON THIS PLAN.

1. GENERAL SITE DATA

a. PRESENT ZONING: RC-DPO
 b. APPLICABLE DPZ FILE REFERENCES: BA-00-23E, BA-01-18E
 SDP-02-69
 c. PROPOSED USE OF SITE STRUCTURE(S): RELIGIOUS EDUCATION BUILDING & PARISH CENTER
 d. PROPOSED WATER AND SEWER SYSTEMS: PUBLIC _____ PRIVATE _____ X
 e. ANY OTHER INFORMATION WHICH MAY BE RELEVANT: N/A

2. AREA TABULATION

a. TOTAL PROJECT AREA: 16.5± ACRES.
 b. NET AREA OF SITE: 16.5± ACRES.
 c. AREA OF THIS PLAN SUBMISSION: 16.5± ACRES.
 d. LIMIT OF DISTURBED AREA: 7.55± ACRES.
 e. BUILDING COVERAGE OF SITE: 0.66± ACRES AND 5.2% OF GROSS AREA (PROPOSED)

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] 2/16/21 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 5/11/23 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 5/15/23 DATE
 DIRECTOR
 APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 [Signature] 5/11/22 DATE
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

1. GENERAL SITE DATA

a. PRESENT ZONING: RC-DPO
 b. APPLICABLE DPZ FILE REFERENCES: BA-00-23E, BA-01-18E
 SDP-02-69
 c. PROPOSED USE OF SITE STRUCTURE(S): RELIGIOUS EDUCATION BUILDING & PARISH CENTER
 d. PROPOSED WATER AND SEWER SYSTEMS: PUBLIC _____ PRIVATE _____ X
 e. ANY OTHER INFORMATION WHICH MAY BE RELEVANT: N/A

2. AREA TABULATION

a. TOTAL PROJECT AREA: 16.5± ACRES.
 b. NET AREA OF SITE: 16.5± ACRES.
 c. AREA OF THIS PLAN SUBMISSION: 16.5± ACRES.
 d. LIMIT OF DISTURBED AREA: 7.55± ACRES.
 e. BUILDING COVERAGE OF SITE: 0.66± ACRES AND 5.2% OF GROSS AREA (PROPOSED)

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

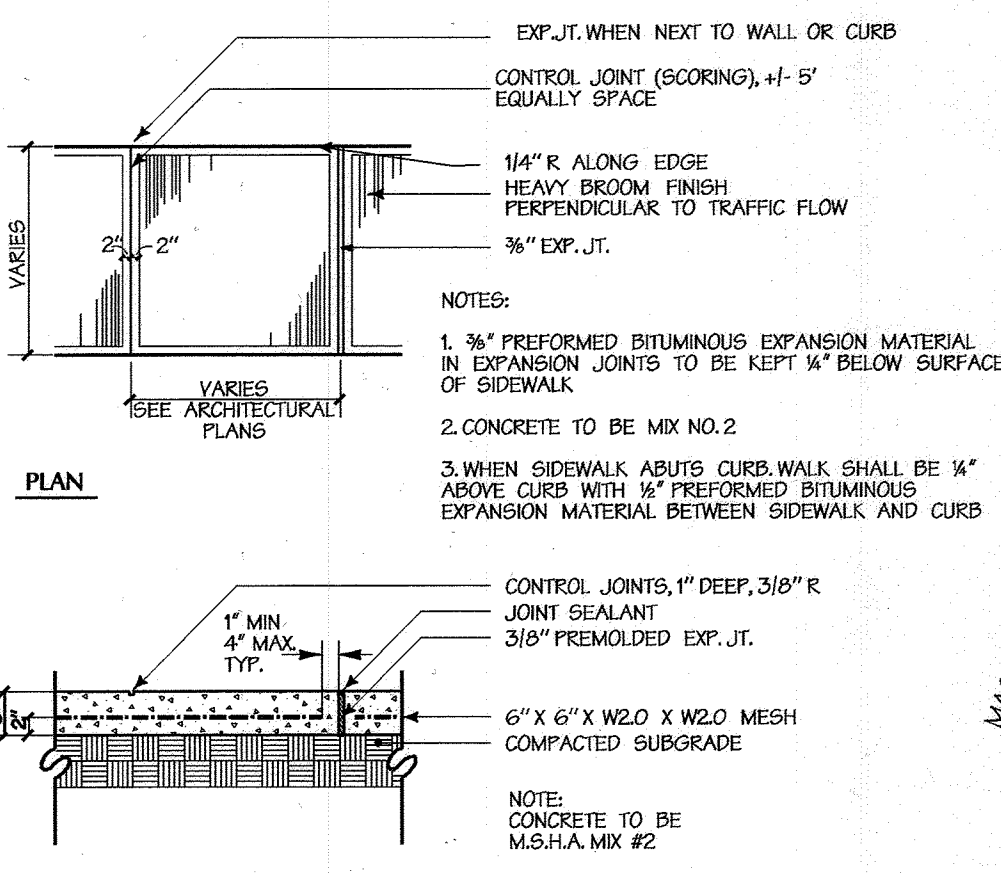
a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-SITE PER USE: N/A
 c. NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 187
 560 Seats / 3 = 187
 d. TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 264
 e. NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 14
 f. PROPOSED BUILDING IS TWO-STORIES.

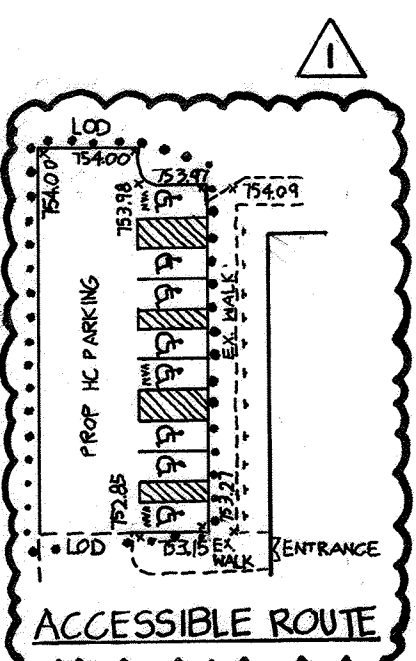
3. PARKING SPACE DATA

a. FLOOR SPACE ON EACH LEVEL PER BUILDING(S) PER USE:
 EXISTING CHURCH 10,162 SF
 EXISTING MEETING HALL & CLASSROOMS 8,450 SF
 PROPOSED PARISH CENTER 6,000 SF
 PROPOSED RELIGIOUS EDUCATION BUILDING (FIRST FLOOR) 11,600 SF
 (LOWER LEVEL) 3,600 SF
 TOTAL 39,832 SF
 b. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON-S



SECTION Concrete Walk Not To Scale

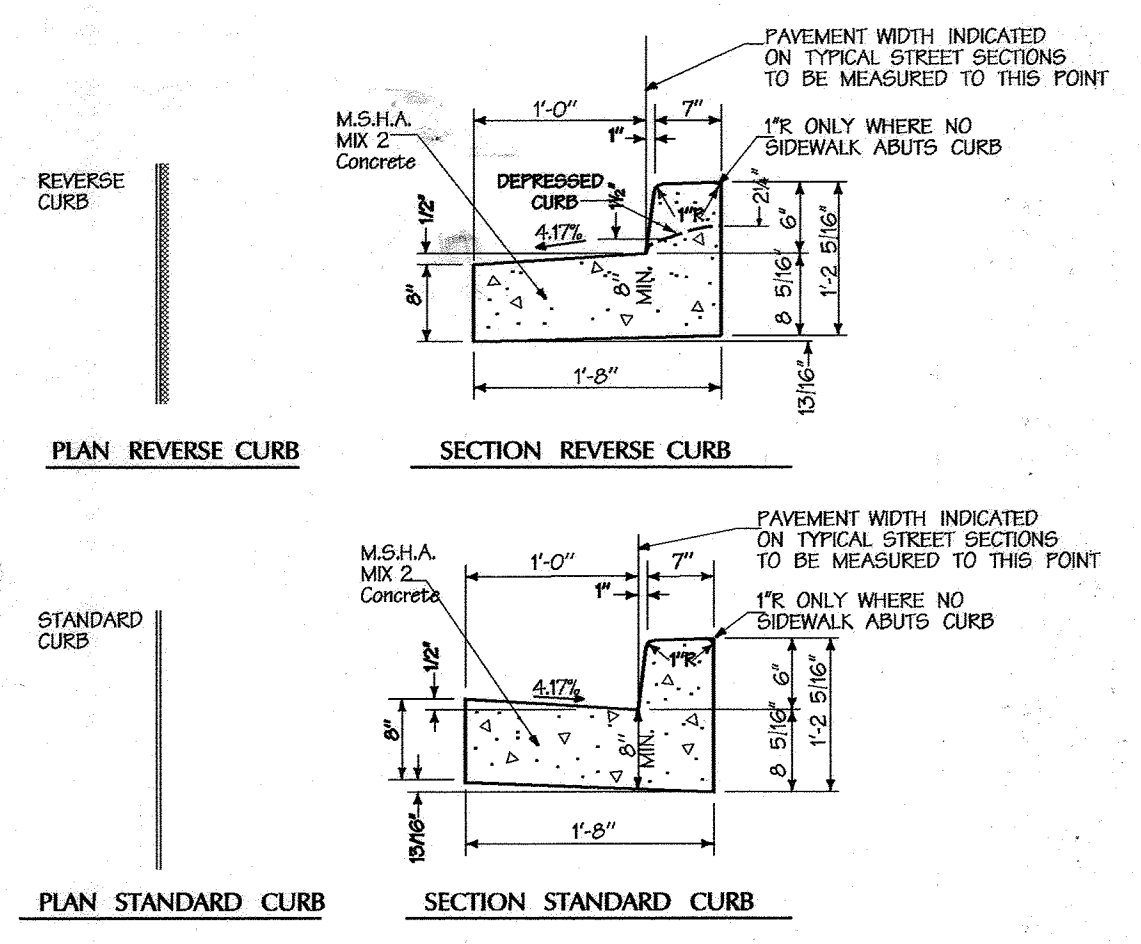
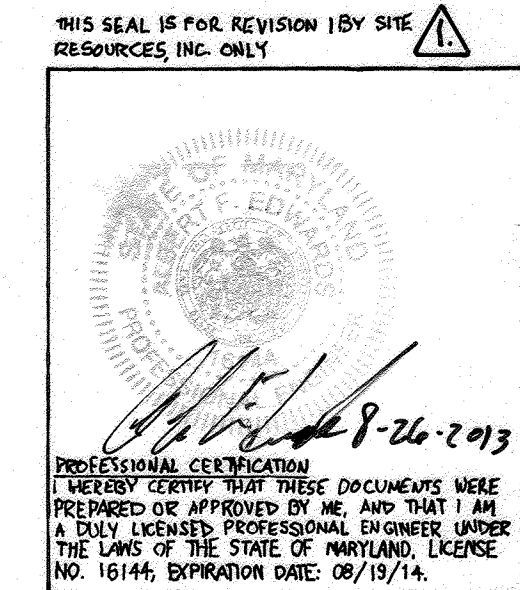
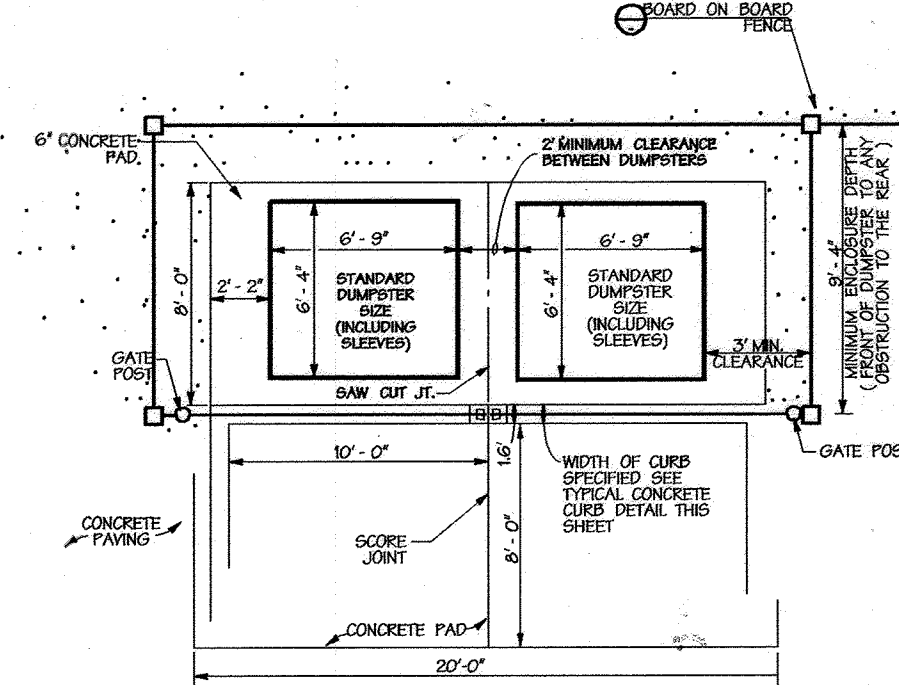
- LEGEND**
- EX CURB & GUTTER
 - EX MAJOR CONTOURS
 - EX MINOR CONTOURS
 - PROP. STORM DRAIN
 - PROP. SEWER
 - PROP. WATER
 - EX STORM DRAIN
 - EX SEWER
 - EX WATER
 - PARKING COUNT LABELS
 - CONCRETE SIDEWALKS
 - STANDARD CURB
 - REVERSE CURB
 - HANDICAP SYMBOLS
 - PROP. MAJOR CONTOURS
 - PROP. MINOR CONTOURS
 - WETLAND BUFFER
 - STREAM BUFFER
 - SLOPES 15% - 24.9%
 - SLOPES 25%+



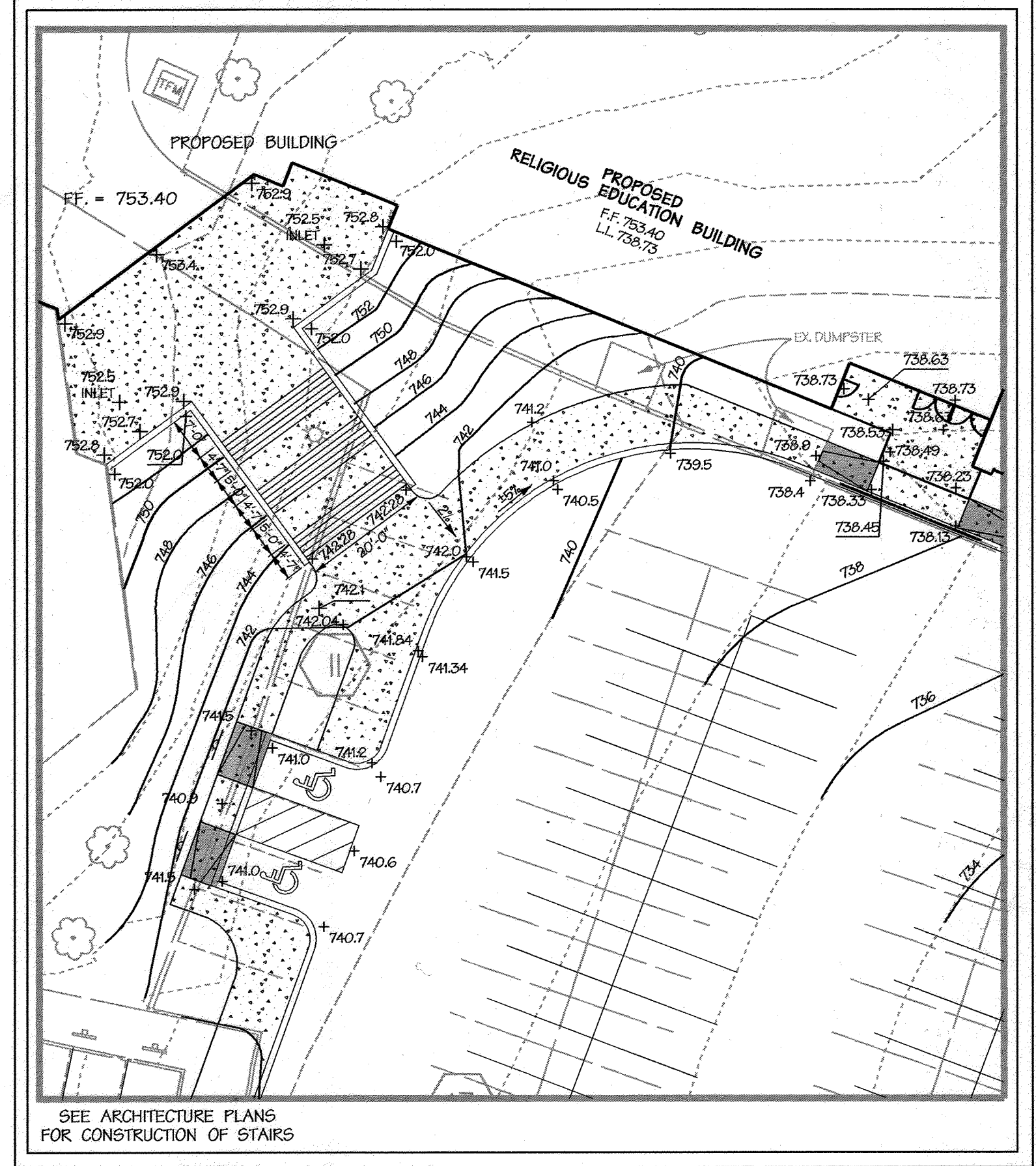
NOTE: AN ORANGE HIGH VISIBILITY FENCE NEEDS TO BE INSTALLED AROUND SDA DURING CONSTRUCTION.

DAYTON B. BARNARD, SR.
4967/619
04-30311
PLAT 7887
LOT 4
ZONED RC-DEO

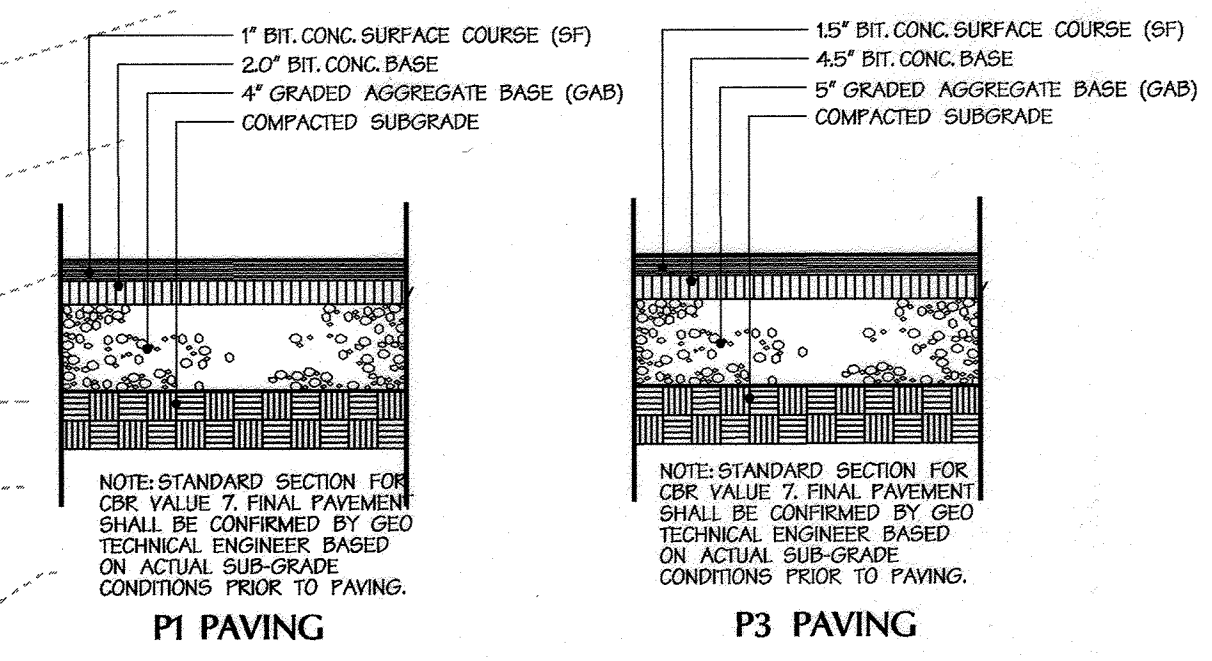
Dumpster Detail Not To Scale



Concrete Curb, Typical Not To Scale



STAIR DETAIL SCALE: 1" = 20'

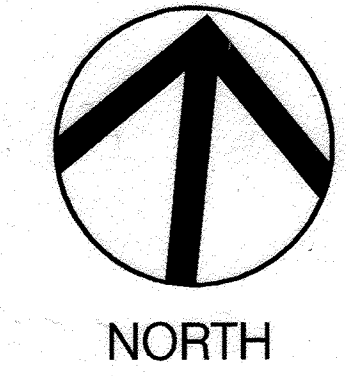


Paving Not To Scale See Sheet 8 for paving locations.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] 8/12/02 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 8/21/02 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 8/23/02 DATE
 DIRECTOR

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 [Signature] 8-21-02 DATE
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

EXTERIOR LIGHTING WILL BE IN CONFORMANCE WITH SECTION 134, ZONING REGULATIONS

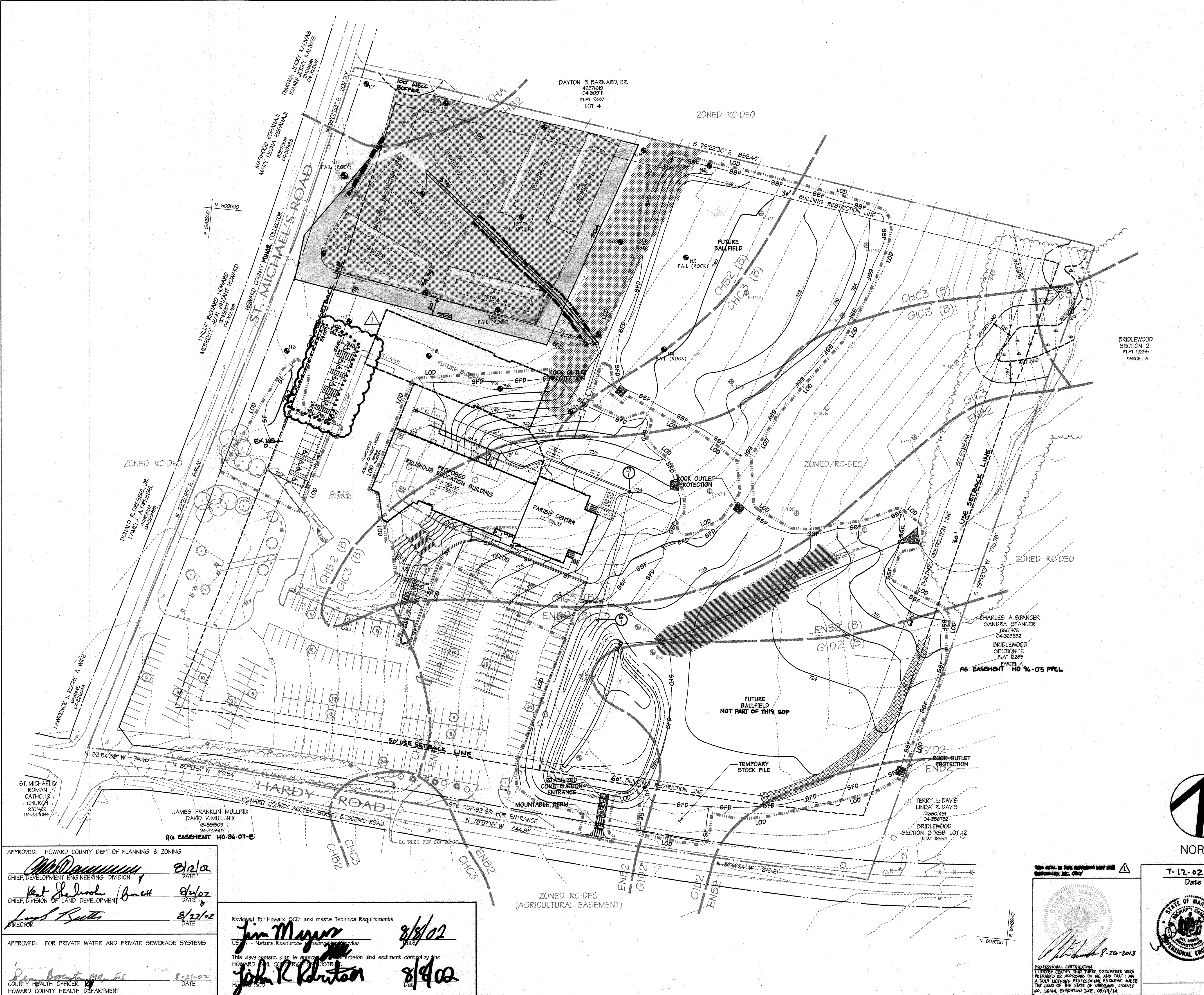


7.12.02
Date
 STATE OF MARYLAND
 PROFESSIONAL ENGINEER

3/9/2017	REVISION	REVISE TOTAL SHEET NUMBERS
7/10/15	ADD	HANDICAP PARKING SPACES
Revision Description		
St. Michael's Roman Catholic Church		
Phase 1 - Education Building Addition and Parish Center		
OWNER:	CARDINAL WILLIAM H. SEELER THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE A CORPORATE SOLE 3202 CATHEDRAL STREET BALTIMORE, MARYLAND 21201	DEVELOPER: ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION 1125 ST. MICHAEL'S ROAD POPLAR SPRINGS, MD. 21774
DMW Daft · McCune · Walker, Inc.		
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals		
200 East Pennsylvania Avenue Towson, Maryland 21286 410 296 3333 Fax 296 4705		
SUBDIVISION NAME	SECTION AREA	LOT/PARCEL #
NA	NA	280
PLAT OR LOTS/BLOCK #	ZONE	TAXZONE MAP #
335/26	RC-DEO	7
WATER CODE	SEWER CODE	GENUS TRACT
****	*****	6040.01
SITE AND GRADING PLAN		
Drn By:	Scale: 1" = 50'	Proj. No. 99143.50
Des By:	Date: 7/12/02	
Chk By:	Approved:	2 of 22

LEGEND

- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- EX WATER
- EX SANITARY SEWER
- EX STORM DRAIN
- EX GAS
- EX EDGE OF ROAD
- PROP. UTILITIES
- SF
- SIF
- SBF
- SUPER FENCE DIVERSION
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENT.
- MOUNTABLE BERM
- TEMPORARY SWALE
- EARTH DIKE
- LIMIT OF DISTURBANCE
- TEMP. DIKE/SWALE
- PROPOSED CONTOUR
- SPOT ELEVATION



ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

W.D. P. D. M. July 12, 2002
 Signature of Engineer (print name below signature) Date

DEVELOPER'S CERTIFICATE

"I/we certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Rev. Michael J. Ruane, Pastor June 17, 2002
 Signature of Developer (print name below signature) Date
 Rev. Michael J. Ruane

3/A/2002	REVISION TOTAL SHEET NUMBERS
DATE	ADD HANDICAP PARKING SPACES
DATE	Revision Description

St. Michael's Roman Catholic Church
 Phase I - Education Building Addition and Parish Center

OWNER: CARDINAL WILLIAM H. KEELER
 THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
 A CORPORATE SOLE
 320 CATHEDRAL STREET
 BALTIMORE, MARYLAND 21201

DEVELOPER: ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION
 1125 ST. MICHAEL'S ROAD
 POPLAR SPRINGS, MD. 21771

DMW
 Daft · M'Cune · Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

200 East Pennsylvania Avenue
 Towson, Maryland 21286
 410 296 3333
 Fax 296 4705

SUBDIVISION NAME	NA	SECTION AREA	NA	LOT/PARCEL #	280
PLAT OR LAYOUT MAP #	386/26	ZONE	RC-DEO	ELECT. DISTRICT	4th
WATER CODE	****	SEWER CODE	*****	CENSUS TRACT	6040.01

SEDIMENT & EROSION CONTROL PLAN

Drn By:	Scale: 1" = 50'	Proj. No. 99143.80
Des By:	Date: 7/12/02	3 of 22
Chk By:	Approved:	

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

W.D. P. D. M. 8/12/02
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Kat J. Shrook 8/1/02
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

John R. Rutter 8/27/02
 DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

John R. Rutter 8-21-02
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

Reviewed for Howard SCD and meets Technical Requirements

Jim Mayes 8/8/02
 USF - Natural Resources Conservation Service DATE

This development plan is approved for sediment and erosion control by the HOWARD SOIL CONSERVATION DISTRICT

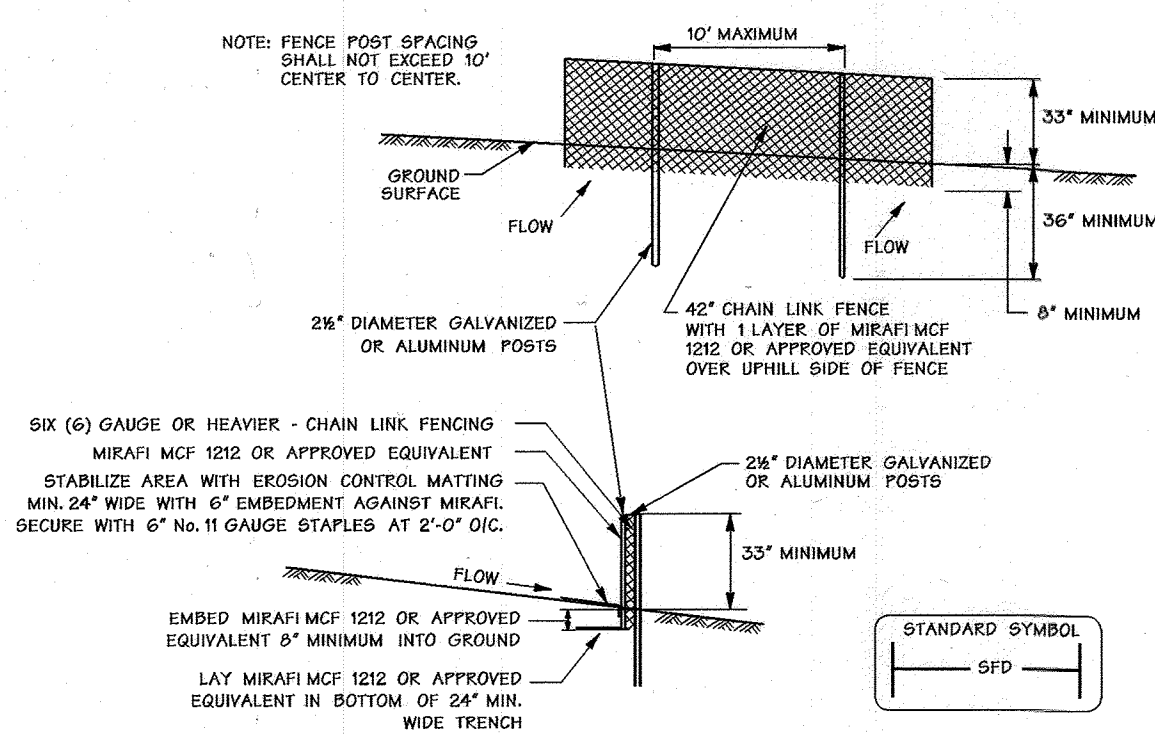
John R. Rutter 8/1/02
 DATE

STATE OF MARYLAND
 PROFESSIONAL ENGINEER

W.D. P. D. M. 8-26-2013
 PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16144, EXPIRATION DATE: 08/14/14.

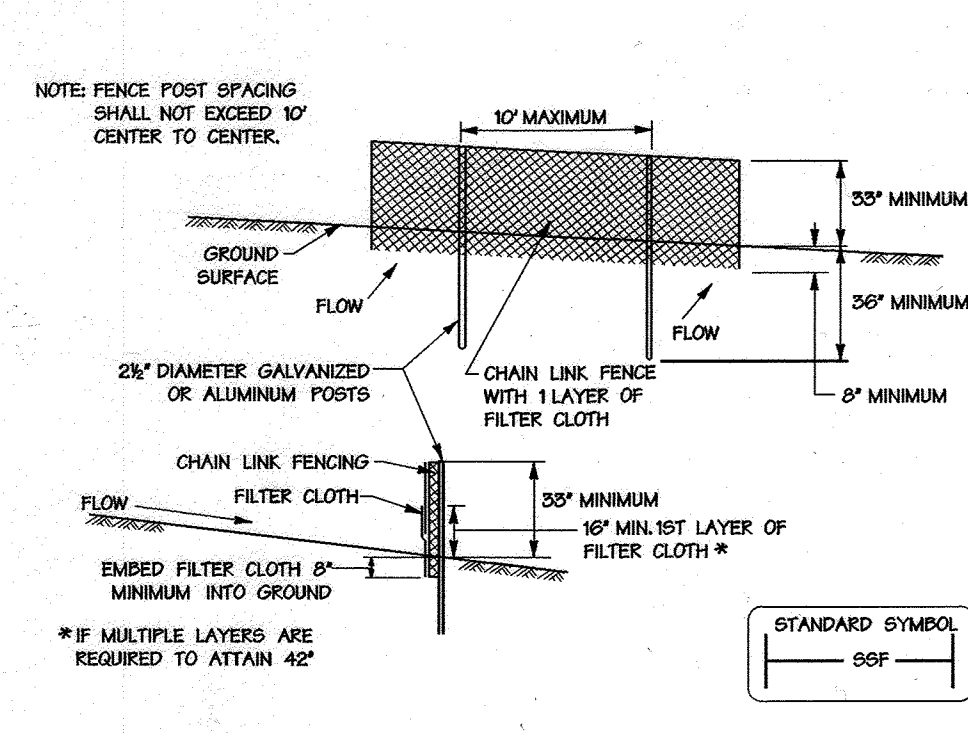
7-12-02
 Date

STATE OF MARYLAND
 PROFESSIONAL ENGINEER



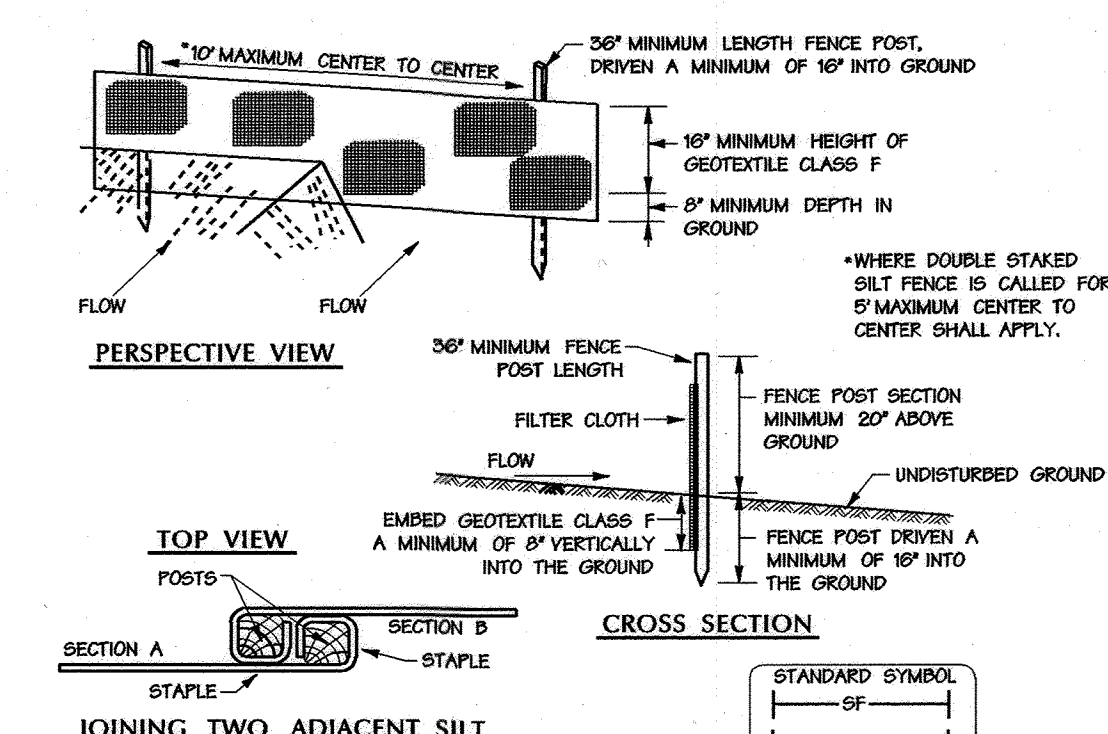
- CONSTRUCTION SPECIFICATIONS**
- FENCING SHALL BE 42 INCHES IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY (SHA) DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED SUBSTITUTING 42" FABRIC AND 6' LENGTH POSTS.
 - THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
 - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE BRACE OR TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. THE CHAIN LINK FENCING SHALL BE SIX (6) GAUGE OR HEAVIER.
 - MIRAFCF 1212 OR APPROVED EQUIVALENT SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 - MIRAFCF 1212 OR APPROVED EQUIVALENT SHALL BE EMBEDDED A MINIMUM OF 6" INTO THE GROUND.
 - WHEN TWO SECTIONS OF MIRAFCF 1212 OR APPROVED EQUIVALENT ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED.
 - MAXIMUM FLOW SLOPE 10:1.
 - MAXIMUM DRAINAGE AREA 5 ACRES.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 26 - 4 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Super Fence Diversion Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- FENCING SHALL BE 42 INCHES IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY (SHA) DETAILS FOR CHAIN LINK FENCING. THE SPECIFICATION FOR A 6' FENCE SHALL BE USED SUBSTITUTING 42" FABRIC AND 6' LENGTH POSTS.
 - THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
 - CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. THE CHAIN LINK FENCING SHALL BE SIX (6) GAUGE OR HEAVIER.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 - FILTER CLOTH SHALL BE EMBEDDED A MINIMUM OF 6" INTO THE GROUND.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT BUILDUPS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE OR WHEN SILT REACHED 50% OF FENCE HEIGHT.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 26 - 5 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Super Silt Fence Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- FENCE POSTS SHALL BE 1 1/2" BY 1 1/2" SQUARE (MINIMUM) CUT OR 1 1/2" DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD, STEEL POSTS WILL BE STANDARD 1" OR 1 1/2" SECTION WEIGHTINGS NOT LESS THAN 100 POUNDS PER LINEAR FOOT.
 - 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:
 - 50 LB/SY (MIN) TENSILE STRENGTH
 - 20 LB/SY (MIN) TENSILE MODULUS
 - 0.5 GAL PER MIN (MAX) FLOW RATE
 - 75% (MIN) FILTERING EFFICIENCY
 - WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
 - SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN "BULGES" OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF FENCE HEIGHT.

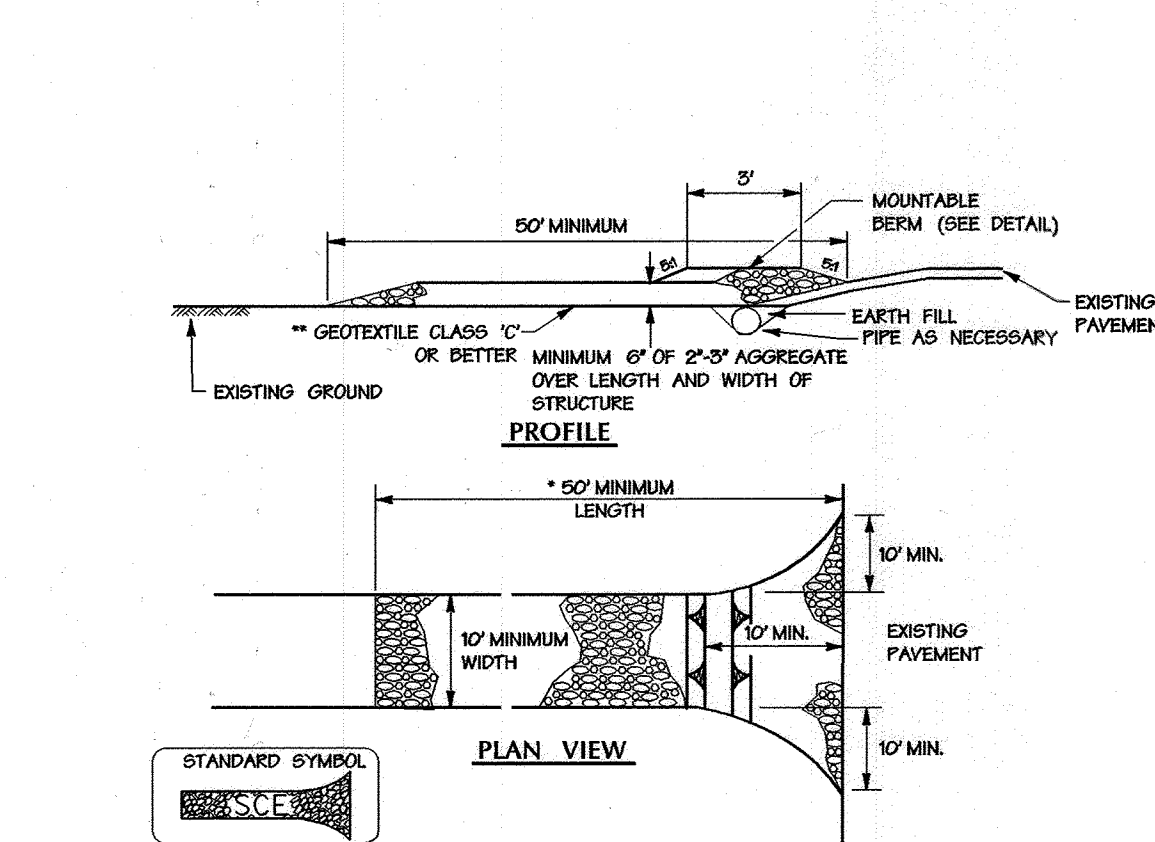
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 15 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Silt Fence Not To Scale

SILT FENCE DESIGN CRITERIA

SLOPE STEEPNESS	(MAXIMUM) SLOPE LENGTH	(MAXIMUM) SILT FENCE LENGTH
FLATTER THAN 50:1 (2%)	UNLIMITED	UNLIMITED
50:1 TO 10:1 (2-10%)	125 FEET	1000 FEET
10:1 TO 5:1 (10-20%)	100 FEET	750 FEET
5:1 TO 3:1 (20-30%)	60 FEET	500 FEET
3:1 TO 2:1 (30-50%)	40 FEET	250 FEET
2:1 AND STEEPER (> 50%)	20 FEET	125 FEET

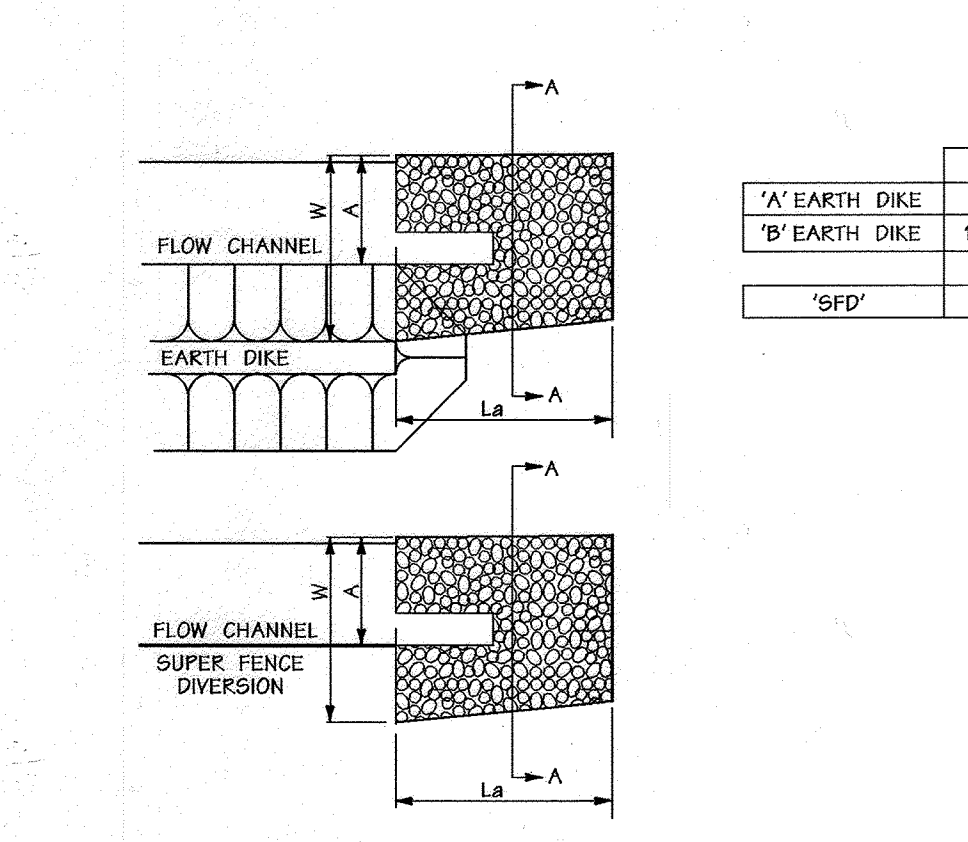
NOTE: IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 15 - 3A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Silt Fence Not To Scale



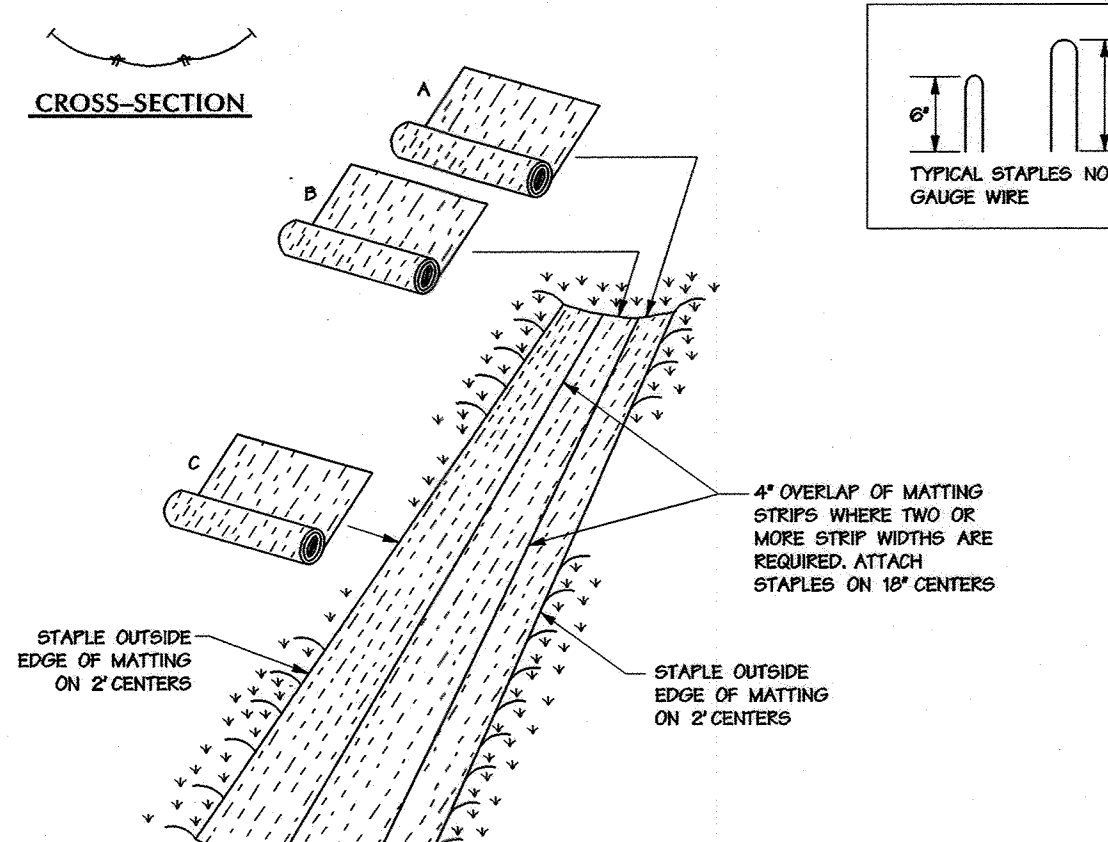
- CONSTRUCTION SPECIFICATIONS**
- LENGTH - MINIMUM OF 50' (50' FOR SINGLE RESIDENCE LOT).
 - WIDTH - 10' MINIMUM, SHOULD BE PLACED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
 - GEOTEXTILE FABRIC CLASS C (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
 - STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
 - 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 SOLE 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.
 - LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE F - 17 - 3 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Stabilized Construction Entrance Not To Scale



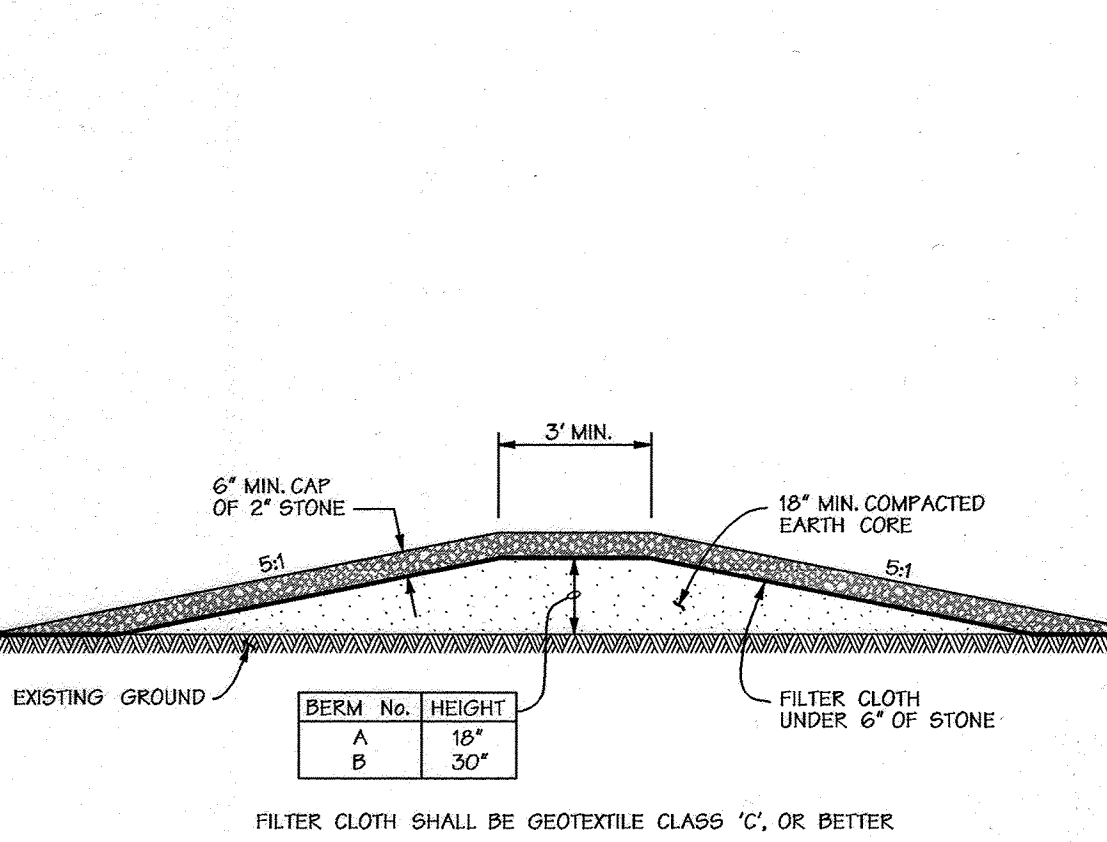
- CONSTRUCTION SPECIFICATIONS**
- THE ROCK OR GRAVEL SHALL CONFORM TO THE SPECIFIED GRADING LIMITS WHEN INSTALLED RESPECTIVELY IN THE RIP-RAP OR FILTER.
 - GEOTEXTILE CLASS C SHALL BE PROTECTED FROM PUNCTURING, CUTTING, OR TEARING. ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. ALL OVERLAPS WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF GEOTEXTILE SHALL BE A MINIMUM OF ONE FOOT.
 - STONE FOR THE RIP-RAP OR GARBON OUTLETS MAY BE PLACED BY EQUIPMENT. THEY SHALL BE CONSTRUCTED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. THE STONE FOR RIP-RAP OR GARBON OUTLETS SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES AND SPACELS FILLING THE VOIDS BETWEEN THE LARGER STONES. RIP-RAP SHALL BE PLACED IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACEMENT WILL BE REQUIRED TO THE EXTENT NECESSARY TO PREVENT DAMAGE TO THE PERMANENT WORKS.
 - THE STONE SHALL BE PLACED SO THAT IT BLENDS IN WITH THE EXISTING GROUND. IF THE STONE IS PLACED TOO HIGH THEN THE FLOW WILL BE FORCED OUT OF THE CHANNEL AND SCOUR ADJACENT TO THE STONE WILL OCCUR.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE F - 18 - 10 (MODIFIED) MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Rock Outlet Protection III Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- KEY-IN THE MATTING BY FLAGGING THE TOP ENDS OF THE MATTING IN A NARROW TRENCH 6" IN DEPTH BACKFILL THE TRENCH AND TAMP FIRMLY TO CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH SPACING BETWEEN STAPLES IN 6".
 - STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING BETWEEN STAPLES.
 - BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.
 - STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2 OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER.
 - WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4" OVERLAP. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
 - THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY SECURED WITH 2 DOUBLE ROWS OF STAPLES. NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA EFFECTED BY THE FLOW MUST BE KEY-IN.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE G - 22 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Erosion Control Matting Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- KEY-IN THE MATTING BY FLAGGING THE TOP ENDS OF THE MATTING IN A NARROW TRENCH 6" IN DEPTH BACKFILL THE TRENCH AND TAMP FIRMLY TO CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH SPACING BETWEEN STAPLES IN 6".
 - STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING BETWEEN STAPLES.
 - BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.
 - STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2 OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER.
 - WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4" OVERLAP. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
 - THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY SECURED WITH 2 DOUBLE ROWS OF STAPLES. NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA EFFECTED BY THE FLOW MUST BE KEY-IN.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 23 - 2 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Mountable Berm Detail Not To Scale

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 CHIEF DEVELOPMENT ENGINEERING DIVISION 8/12/02
 CHIEF, DIVISION OF LAND DEVELOPMENT 8/21/02
 DIRECTOR 8/23/02

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER 8-21-02
 HOWARD COUNTY HEALTH DEPARTMENT

- CONSTRUCTION SPECIFICATIONS**
- THE SUBGRADE FOR THE FILTER RIP-RAP OR GARBON SHALL BE PREPARED TO THE REQUIRED INCH AND GRADES ANY FILL REGISTERED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
 - THE ROCK OR GRAVEL SHALL CONFORM TO THE SPECIFIED GRADING LIMITS WHEN INSTALLED RESPECTIVELY IN THE RIP-RAP OR FILTER.
 - GEOTEXTILE CLASS C SHALL BE PROTECTED FROM PUNCTURING, CUTTING, OR TEARING. ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. ALL OVERLAPS WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF GEOTEXTILE SHALL BE A MINIMUM OF ONE FOOT.
 - STONE FOR THE RIP-RAP OR GARBON OUTLETS MAY BE PLACED BY EQUIPMENT. THEY SHALL BE CONSTRUCTED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. THE STONE FOR RIP-RAP OR GARBON OUTLETS SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES AND SPACELS FILLING THE VOIDS BETWEEN THE LARGER STONES. RIP-RAP SHALL BE PLACED IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACEMENT WILL BE REQUIRED TO THE EXTENT NECESSARY TO PREVENT DAMAGE TO THE PERMANENT WORKS.
 - THE STONE SHALL BE PLACED SO THAT IT BLENDS IN WITH THE EXISTING GROUND. IF THE STONE IS PLACED TOO HIGH THEN THE FLOW WILL BE FORCED OUT OF THE CHANNEL AND SCOUR ADJACENT TO THE STONE WILL OCCUR.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE F-18-10, 3A, 10A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
Rock Outlet Protection Specifications

Reviewed for Howard SCD and meets Technical Requirements
 USA - Natural Resources Conservation Service
 Howard Soil Conservation District
 Signature of Developer (print name below signature) 8/12/02
 Signature of Developer (print name below signature) 8/12/02

ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer (print name below signature) 7-12-02
 Date

DEVELOPER'S CERTIFICATE

"We certify that all developments and construction will be done according to this plan for sediment and erosion control and that all responsible personnel involved in this 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."

Signature of Developer (print name below signature) 7-12-02
 Date



Date	No.	Revision Description
3/9/2007	1	REVISE TOTAL SHEET NUMBERS

ST. Michael's Roman Catholic Church
 Phase I - Education Building Addition and Parish Center

OWNERS: CARDINAL WILLIAM H. KEELER, THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE, A CORPORATE SOLE, 320 CATHEDRAL STREET, BALTIMORE, MARYLAND 21201

DEVELOPERS: ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION, 1125 ST. MICHAEL'S ROAD, POPLAR SPRINGS, MD. 21771

DMW
 Daft - McCune - Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
 200 East Pennsylvania Avenue, Towson, Maryland 21286
 410 296 3333
 Fax 296 4705

SUBDIVISION NAME: NA SECTION AREA: NA LOT/FACETS: 280
 PLAT OR L.P. BLOCK # ZONE TAXING MAP ELECT. DISTRICT CONGRESSIONAL DISTRICT
 300225 1.8.9 RC-DEO 4th 6040.01
 WATER CODE: SEWER CODE: *****

TITLE: **SEDIMENT & EROSION CONTROL DETAILS**

Drn By: WDE Scale: Proj. No. 09143.00
 Des By: Date: 10-15-01
 Chk By: Approved: 4 of 22

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

Section I - Vegetative Stabilization Methods and Materials

- A. Site Preparation**
- Install erosion and sediment control structures (either temporary or permanent) such as diversion, grade stabilization structures, berms, waterways, or sediment control basins.
 - Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
 - Schedule required soil tests to determine soil amendment composition and application rates for sites having disturbed areas over 5 acres.
- B. Soil Amendments (Fertilizer and Lime Specifications)**
- Soil test must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas over 5 acres. Soil analysis may be performed at the University of Maryland or a recognized commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analysis.
 - Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment. Material may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers shall be delivered to the site fully labeled according to the applicable state fertilizer laws and shall bear the name, trade name or trademark and warranty of the producer.
 - Lime materials shall be ground limestone (hydrated or burnt lime may be substituted) which contains at least 85% calcium oxide plus magnesium oxide. Limestone shall be ground to such fineness that at least 50% will pass through a #20 mesh sieve and 95% will pass through a #100 mesh sieve.
 - Incorporate lime and fertilizer into the top 3 - 5" of soil by disking or other suitable means.
- C. Seedbed Preparation**
- Temporary Seeding**
 - Seedbed preparation shall consist of loosening soil to a depth of 3" to 5" by means of suitable agricultural or construction equipment, such as disc, harrow or chisel plow or ripper mounted on construction equipment. After the soil is loosened it should not be rolled or dragged smooth but left in the rough condition. Sloped areas (greater than 3%) should be tracked leaving the surface in an irregular condition with ridges running parallel to the contour of the slope.
 - Apply fertilizer and lime as prescribed on the plans.
 - Incorporate lime and fertilizer into the top 3 - 5" of soil by disking or other suitable means.
 - Permanent Seeding**
 - Minimum soil conditions required for permanent vegetative establishment:
 - Soil pH shall be between 6.0 and 7.0
 - Soluble salts shall be less than 500 parts per million (ppm).
 - The soil shall contain less than 40% clay but enough fine grained material (> 30% silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception is if loess or siltstone or siltstone loess is to be planted, then a sandy soil (< 30% silt plus clay) will be acceptable.
 - Soil shall contain 1% minimum organic matter by weight.
 - Soil must contain sufficient pore space to permit adequate root penetration.
 - If these conditions cannot be met by the soils on site, adding topsoil is required in accordance with Section 21 Standards and Specification for Topsoil.
 - Areas previously graded in conformance with the drawings shall be maintained in a true and even grade, then scarified or otherwise loosened to a depth of 3 - 5" to permit the seed to be placed to the surface area and to create horizontal erosion check ditches to prevent topsoil from sliding down a slope.
 - Apply soil amendments as per soil test or as included on the plans.
 - Mix soil amendments into the top 3 - 5" of topsoil by disking or other suitable means. Lawn areas should be rolled to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Where site conditions will not permit the seedbed preparation, loose soil should be tracked by dragging with a heavy chain or other equipment to roughen the surface. Steep slopes (greater than 3%) should be tracked by a dozer leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. The top 1 - 2" of soil should be loose and friable. Seeded loosening may not be necessary on newly disturbed areas.

- F. Mulch Specifications (In order of preference)**
- Straw shall consist of thoroughly threshed wheat, oat or corn straw, reasonably bright in color, and shall not be musty, moldy, caked, decayed, or excessively dirty and shall be free of noxious weed seeds as specified in the Maryland Soil Law.
 - Wood Cellulose Fiber Mulch (WCFM)
 - WCFM shall consist of specially prepared wood cellulose processed into a uniform fibrous physical state.
 - WCFM shall be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate identification of the uniformly spread slurry.
 - WCFM, including dye, shall contain no germination or growth inhibiting factors.
 - WCFM materials shall be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under application and will blend with soil, fertilizer and other additives to form a homogeneous slurry. The mulch material shall form a bottle-like ground cover, on application, having moisture absorption and percolation properties and shall cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings.
 - WCFM material shall contain no elements or compounds at concentration levels that will be phytotoxic.
 - WCFM must conform to the following physical requirements: fiber length to approximately 10 mm, diameter approximately 1 mm, pH range of 4.0 to 8.5, ash content of 1.5% maximum and water holding capacity of 30% minimum.
- Note: Only sterile straw mulch should be used in areas where one species of grass is desired.
- G. Mulching Seeded Areas - Mulch shall be applied to all seeded areas where one species of grass is desired.**
- If grading is completed outside of the seeding season, mulch alone shall be applied as prescribed in this section and maintained until the seeding season returns and seeding can be performed in accordance with these specifications.
 - When straw mulch is used, it shall be spread over all seeded areas at the rate of 2 to 3 tons/acre. Mulch applied shall achieve a uniform distribution and depth so that the soil surface is not exposed. If a mulch anchoring tool is to be used, the rate should be increased to 2.5 tons/acre.
 - Wood cellulose fiber used as a mulch shall be applied at a net dry weight of 1500 lbs. per acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lbs. of wood cellulose fiber per 100 gallons of water.
- H. Securing Straw Mulch (Mulch Anchoring) shall be performed immediately following mulch application to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon size of area and erosion hazard:**
- A mulch anchoring tool is a tractor drawn implement, designed to pull straw mulch into the soil surface a minimum of two (2) inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should be used on the contour if possible.
 - Wood cellulose fiber may be used for anchoring straw. The fiber mulch shall be applied at a net dry weight of 1500 lbs. per acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
 - Application of liquid binders should be heavier at the edges where wind catches much as in valleys or on crest of banks. The remainder of area should appear uniform after binder application. Synthetic binders - such as Acrylic D.A.R. (Aqua-Tack), DCA-70, Petrosol, Terra-Tac, Terra-Tack and other approved equal may be used at rates recommended by the manufacturer to anchor mulch.
 - Lightweight plastic netting may be stapled over the mulch according to manufacturer's recommendations. Netting is used on slopes in rolls 4' to 15' feet wide and 300 to 5000 feet long.

Section II - Temporary Seeding
Vegetation - annual grass or grain used to provide cover on disturbed areas for up to 12 months. For longer duration of vegetative cover, Permanent Seeding is required.

SEED MIXTURE (HARDINESS ZONE)					FERTILIZER RATE (10-10-10)	LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS		
					600 LB/AC (15 LB/1000 SF)	2 TONS/AC (100 LB/1000 SF)

Section III - Permanent Seeding
Seeding grass and legumes to establish ground cover for a minimum period of one year on disturbed areas generally receiving low maintenance.

SEED MIXTURE (HARDINESS ZONE)					FERTILIZER RATE (10-10-10)	LIME RATE
NO.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS		
1	ANNUAL RYEGRASS	50		1/4" - 1/2"	600 LB/AC (15 LB/1000 SF)	2 TONS/AC (100 LB/1000 SF)
2	WEEPING LOVEGRASS	4		1/4" - 1/2"		

Section IV - Sod - To provide quick cover on disturbed areas (2:1 grade or flatter).

- A. General Specifications**
- Class of turfgrass sod shall be Maryland or Virginia State Certified or Approved. Sod labels shall be made available to the job foreman and inspector.
 - Sod shall be machine cut at a uniform soil thickness of 3/4" plus or minus 1/4" at the time of cutting. Measurement for thickness shall include top growth and thatch. Individual pieces of sod shall be cut to the supplier's width and length. Maximum allowable deviation from standard width and length shall be 5 percent. Broken pads and torn or uneven ends will not be acceptable.
 - Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 1/3 portion of the sod.
 - Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
 - Sod shall be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period shall be approved by an agronomist or soil scientist prior to the installation.

- B. Sod Installation**
- During periods of excessively high temperature or in areas having dry subsoil conditions sod shall be lightly irrigated immediately prior to laying the sod.
 - The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are secured in order to prevent voids which would cause air drying of the roots.
 - Wherever possible, sod shall be laid with the long edges parallel to the contour and with staggering joints. Sod shall be rolled and tamped, pressed or otherwise secured to prevent slipping on slopes and to ensure solid contact between sod roots and the underlying soil surface.
 - Sod shall be watered immediately following rolling or tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for any piece of sod shall be completed within eight hours.
- C. Sod Maintenance**
- In the absence of adequate rainfall, watering shall be performed daily or more often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4". Watering should be done during the heat of the day to prevent wilting.
 - After the first week, sod watering is required as necessary to maintain adequate moisture content.
 - The first mowing of sod should not be attempted until the sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2" and 3" unless otherwise specified.

Section V - Turfgrass Establishment

Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium high level of maintenance. Areas to receive seed shall be filled by disking or other approved methods to a depth of 2 to 4 inches, leveled and rolled to provide a proper seedbed. Stones and debris over 1/2 inch in diameter shall be removed. The resulting seedbed:

- A. Turfgrass Mixtures**
- Kentucky Bluegrass - Full sun mixture - For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and eastern shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 15 to 2.0 pounds/1000 square feet. A minimum of three bluegrass cultivars should be chosen ranging from a minimum of 10% to a maximum of 35% of the mixture by weight.
 - Kentucky Bluegrass/Perennial Rye - Full sun mixture - For use in full sun areas where rapid establishment is necessary and where turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars Seeding Rate: 2 to 2.0 pounds/1000 square feet. A minimum of 3 Kentucky Bluegrass Cultivars must be chosen with each cultivar ranging from 10% to 35% of the mixture by weight.
 - Tall Fescue/Kentucky Bluegrass - Full sun mixture - For use in drought prone areas and/or for areas receiving low to medium maintenance in full sun to medium shade. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 15 to 2.0 pounds/1000 square feet. A minimum of 3 Kentucky Bluegrass Cultivars O - 5% Seeding rate: 5 to 2 lb/1000 of One or more cultivars may be blended.
 - Kentucky Bluegrass/Fine Fescue - Shade Mixture - For use in areas with shade in Bluegrass lawns. For establishment in high quality intensively managed turf areas. Recommended Certified Kentucky Bluegrass Cultivars 30-40% and certified Fine Fescue and 50-70%. Seeding rate: 1.12 - 3 lb/1000 square feet. A minimum of 3 Kentucky Bluegrass cultivars must be chosen with each cultivar ranging from a minimum of 10% to a maximum of 25% of the mixture by weight.
- Note: Turfgrass varieties should be selected from those listed in the most current University of Maryland Publication, Agronomy Mimeo #77, "Turfgrass Cultivar Recommendations for Maryland."
- B. Ideal times of seeding**
- Western MD: March 15 - June 1, August 1 - October 1 (Hardiness Zones - 5a, 6a)
- Central MD: March 1 - May 15, August 15 - October 15 (Hardiness Zones - 6b)
- Southern MD, Eastern Shore: March 1 - May 15, August 15 - October 15 (Hardiness Zones - 7a, 7b)

- C. Irrigation**
- If soil moisture is deficient, supply new seedlings with adequate water for plant growth (1/2" every 2 to 4 days depending on location) until they are firmly established. This is especially true when seedlings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.
- D. Repairs and Maintenance**
- Inspect all seeded areas for failures and make necessary repairs, replacements, and reseeding within the planting season.
- Once the vegetation is established, the site shall have 95% groundcover to be considered adequately stabilized.
 - If the stand provides less than 40% groundcover, reestablish following original line, fertilizer, seedling preparation and seeding recommendations.
 - If the stand provides between 40% and 94% ground cover, overseed and fertilize using half of the rates originally applied may be necessary.
 - Maintenance fertilizer rates for permanent seedings are shown in Table 24 for lawns and other medium high maintenance turfgrass areas, refer to the University of Maryland publication "Lawn Care in Maryland" Bulletin No. 171.

Soil test must be performed to determine the exact ratios and application rates.

G - 20 - 1A

VEGETATIVE STABILIZATION

Reviewed for Howard SCD and meets Technical Requirements

Jim Meyer 8/4/02
USDA - Natural Resources Conservation Service
development plan is approved for erosion and sediment control by the Howard SCD. Construction shall be in accordance with the approved plan.

John K. Kuntz 8/4/02
Date

ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

W.D.P. Mc... 7-12-02
Signature of Engineer (print name below signature) Date

DEVELOPER'S CERTIFICATE

"We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Rev. Michael J. Ruane, Pastor Date 7/17/02
Signature of Developer (print name below signature) Date

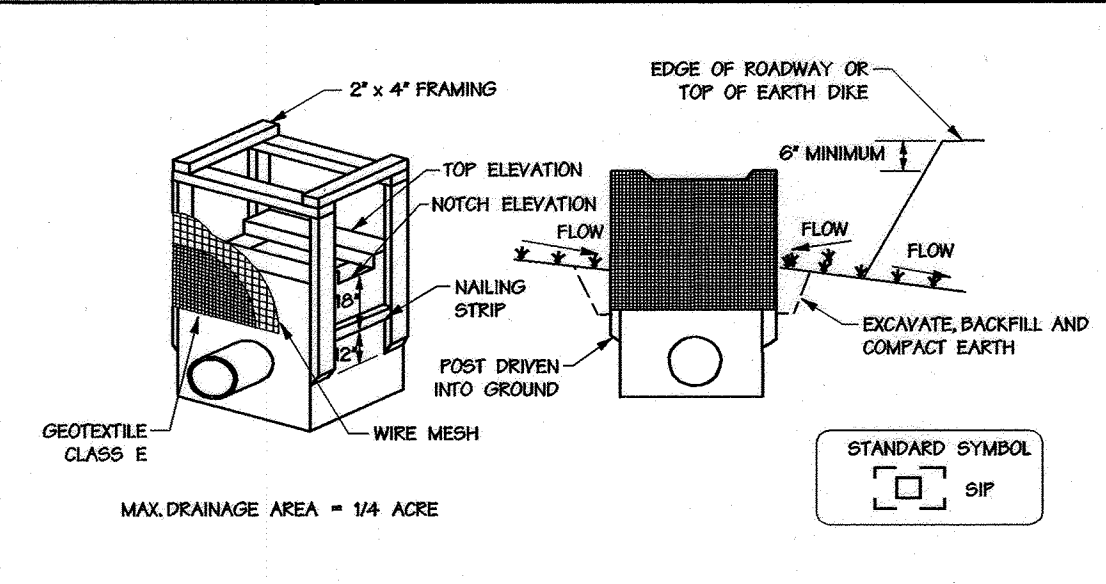
DUST CONTROL SPECIFICATIONS

- TEMPORARY METHODS:**
- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES. ONLY MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
 - VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
 - TILLAGE TO KNOUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN FLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE FLOWS SPACED ABOUT 12 INCHES APART. SPRING-TOOTHED HARROWS AND SIMILAR FLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
 - IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NECESSARY. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THE RUNOFF BEGINS TO FLOW.
 - BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURIAL FENCES, STRAW DALES, AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
 - CALCIUM CHLORIDE - APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

- PERMANENT METHODS:**
- PERMANENT VEGETATION - SEE STANDARDS FOR PERMANENT VEGETATIVE COVER AND TEMPORARY STABILIZATION WITH SOIL EXISTING TREES OR LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
 - TOPSOILING - COVERING WITH LESS EROSION-SOIL MATERIALS. SEE STANDARDS FOR TOPSOILING.
 - STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 20 - 1 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

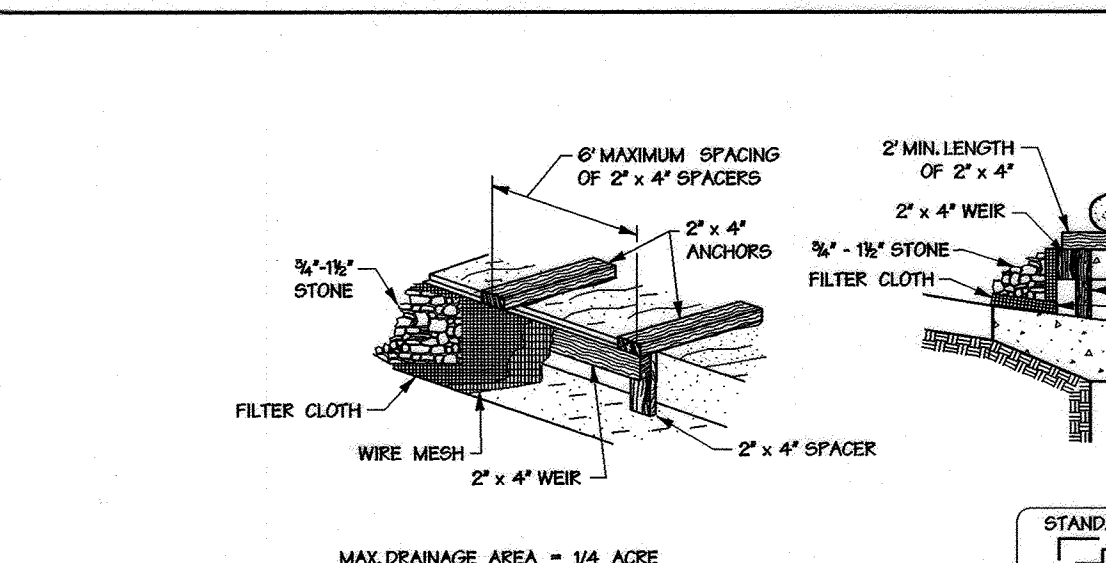
Dust Control Specifications Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18" BELOW THE NOTCH ELEVATION.
 - DRIVE THE 2" x 4" CONSTRUCTION GRADE LUMBER POSTS 1" INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2" x 4" FRAME USING THE OVERLAP JOINT SHOWN ON DETAIL. THE TOP OF THE FRAME (WEIR) MUST BE 6" BELOW ADJACENT ROADWAYS WHERE FLOODING AND SAFETY ISSUES MAY ARISE.
 - STRETCH THE 1/2" x 1/2" WIRE MESH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. THE ENDS MUST MEET AND OVERLAP AT A JOINT.
 - STRETCH THE GEOTEXTILE CLASS E TIGHTLY OVER THE WIRE MESH WITH THE GEOTEXTILE EXTENDING FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. FASTEN THE GEOTEXTILE FIRMLY TO THE FRAME. THE ENDS OF THE GEOTEXTILE MUST MEET AT A JOINT. BE OVERLAPED AND FOLDED, THEN FASTENED DOWN.
 - BACKFILL AROUND THE INLET IN COMPACTED 6" LAYERS UNTIL THE LAYER OF EARTH IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND ALONG THE SIDES.
 - IF THE INLET IS NOT IN A SHARP CORNER, A COMPACTED EARTH DIKE ACROSS THE DITCH LINE DIRECTLY BELOW IT. THE TOP OF THE EARTH DIKE SHOULD BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME.
 - THE STRUCTURE MUST BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND THE GEOTEXTILE REPLACED WHEN IT BECOMES CLOGGED.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE H - 10 - 5 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

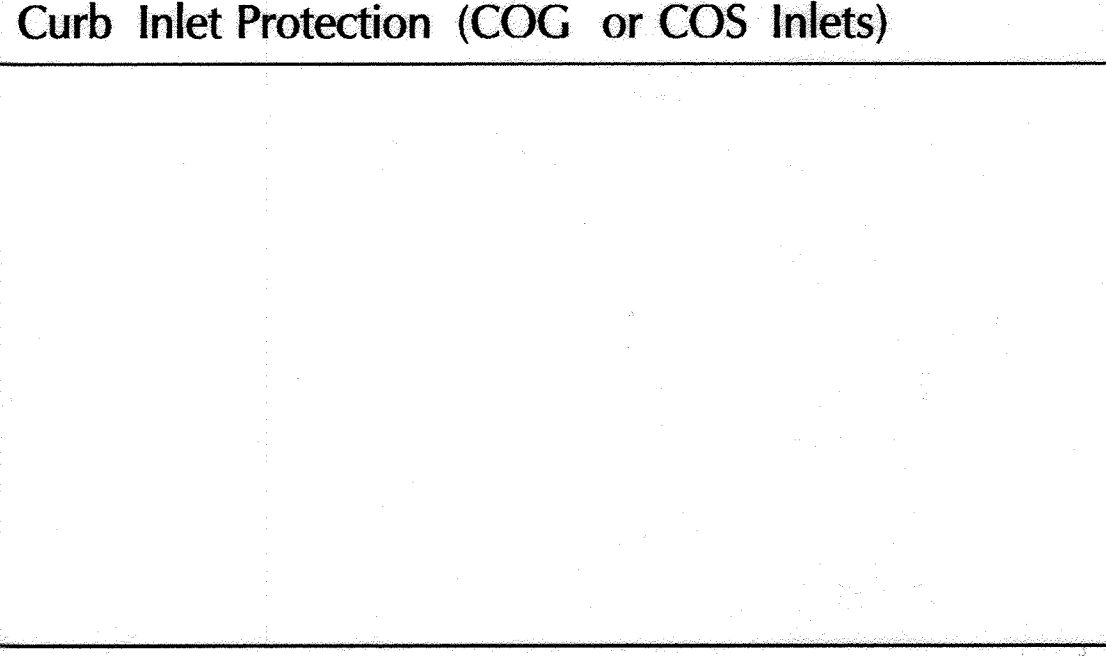
Standard Inlet Protection Not To Scale



- CONSTRUCTION SPECIFICATIONS**
- ATTACH A CONTINUOUS PIECE OF 1/2" x 1/2" WIRE MESH (50" MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2" x 4" WEIR (MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD SYMBOL.
 - PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2" x 4" WEIR.
 - SECURELY NAIL THE 2" x 4" WEIR TO A 9" LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAX. 4" APART).
 - PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL MINIMUM 2" LENGTHS OF 2" x 4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS. THESE 2" x 4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDPAGES OR ALTERNATE WEIGHT.
 - THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACES ARE A MINIMUM 1" FROM BOTH ENDS OF THE THROAT OPENING.
 - FORM THE 1/2" x 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 1/2" x 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
 - THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
 - ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW OF THE INLET.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE E - 10 - 20 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

Curb Inlet Protection (COG or COS Inlets) Not To Scale



- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (303-1659).
- 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 THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - A SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3%.
 - FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRANSPORTING DEVICES MUST BE ROLLED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 9, SOCS (SIC) 9A). TEMPORARY SEEDING (SEC. 9), AND MULCHING (SEC. 9). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OR SITE AREA DISTURBED	74.51 ACRES
AREA TO BE ROOFED OR PAVED	2.25 ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.93 ACRES
TOTAL CURB	3070 CURB YARDS
TOTAL FILL	410 CURB YARDS
- OFF-SITE WATERBODIES AREA LOCATION MUST BE IDENTIFIED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF PERMITTED REQUIRING BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREA IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL, 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 OBTAINED.
- 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.

Sediment Control General Notes Not To Scale

SEQUENCE OF CONSTRUCTION

SEQUENCE	NUMBER OF DAYS
1. OBTAIN A GRADING PERMIT.	7
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES.	7
3. ROUGH GRADE SITE.	14
4. CONSTRUCT WATER, SEWER AND STORM DRAIN AND INSTALL INLET PROTECTION.	30
5. BEGIN BUILDING CONSTRUCTION.	180
6. FINE GRADE SITE.	5
7. INSTALL CURB & GUTTER, PAVING AND SIDE WALKS.	7
8. STABILIZE ALL AREAS IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS.	30
9. UPON APPROVAL OF THE SEDIMENT AND EROSION CONTROL INSPECTION REMOVE ALL EROSION CONTROL MEASURES AND STABILIZE.	10

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

W.D.P. Mc... 8/2/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

W.D.P. Mc... 8/2/02
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

W.D.P. Mc... 8/2/02
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

W.D.P. Mc... 8-21-02
COUNTY HEALTH OFFICER DATE
HOWARD COUNTY HEALTH DEPARTMENT

3/4/2007 **REVISE TOTAL SHEET NUMBERS**

Date No. Revision Description

ST. Michael's Roman Catholic Church
Phase I - Education Building Addition and Parish Center

OWNER: CARDINAL WILLIAM H. KEELER
THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
A CORPORATE SOLE
320 CATHEDRAL STREET
BALTIMORE, MARYLAND 21201

DEVELOPER: ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION
1129 ST. MICHAEL'S ROAD
POPLAR SPRINGS, MD. 21771

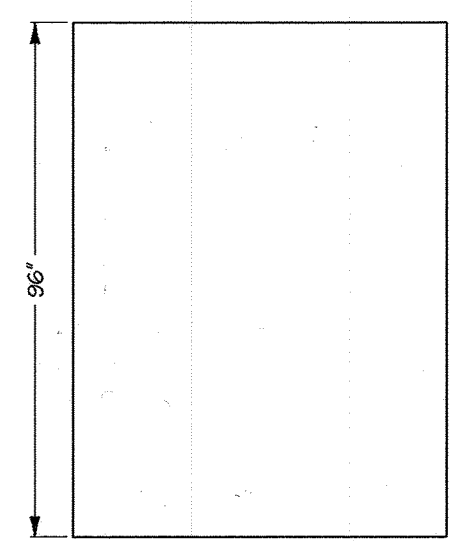
DMW
Daft - McCune - Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax 296 4705

SUBDIVISION NAME	NA	SECTION AREA	NA	LOT/FACEL #	200
PLAT or REFERENCE #	NA	TAXATION MAP	7	ELECT. DISTRICT	6040.01
WATER CODE	303/22	RC-DE	7	SEWER CODE	6040.01

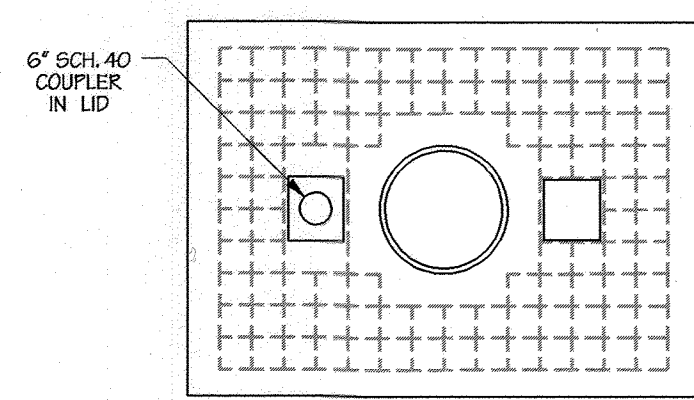
TITLE

SEDIMENT & EROSION CONTROL DETAILS

Drn By: ADL Scale: Proj. No. 99143.50
Des By: Date: 10-15-01
Chk By: Approved: 5 of 22



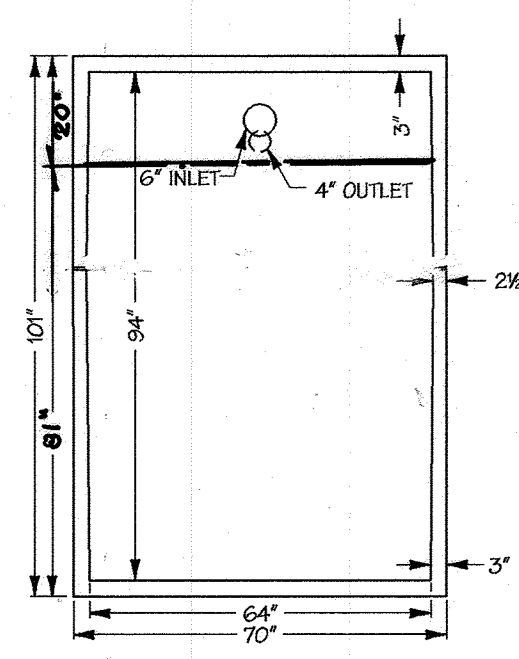
BOTTOM VIEW



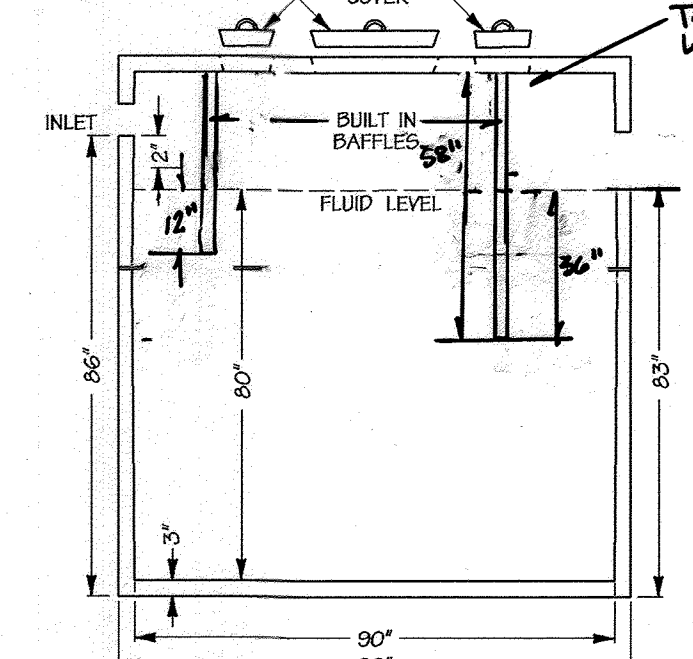
TOP VIEW

INSPECTION & CLEANOUT OPENINGS
 1- ROUND 24" TO 22"
 1- RECTANGULAR INLET 12" X 4" TO 10 1/2" X 9"
 1- RECTANGULAR OUTLET 18 1/2" X 9 1/2" TO 10 1/2" X 8 1/2"
 1- 6" SCH 40 COUPLER IN INLET LID

NOTES:
 3/4" REBAR USED IN TOP
 BAFFLES ARE PRECAST
 TONGUE & GROOVE JOINT BUTYL TANK SEAL USED IN JOINT
 4" X 4" TO GA. WIRE USED IN TANK BODY & BOTTOM

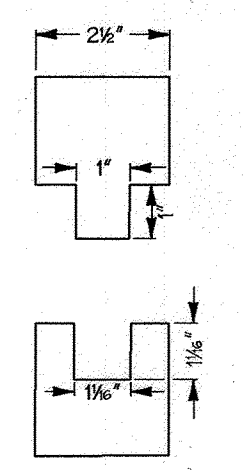


END VIEW



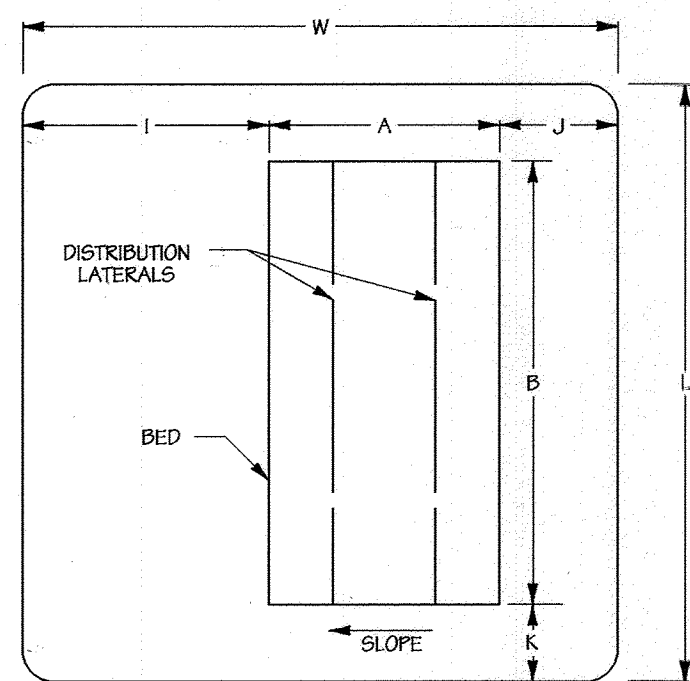
SIDE VIEW

Baffle
 TO BE INSTALLED
 W/ AIR GAP



TONGUE & GROOVE
 JOINT DETAIL

SHOP DRAWING PROVIDED BY BABYLON VAULT COMPANY
 *TOP BEAM TANK TO BE UTILIZED
SEPTIC TANK
 NOT TO SCALE
 2000 GALLON.



PLAN VIEW

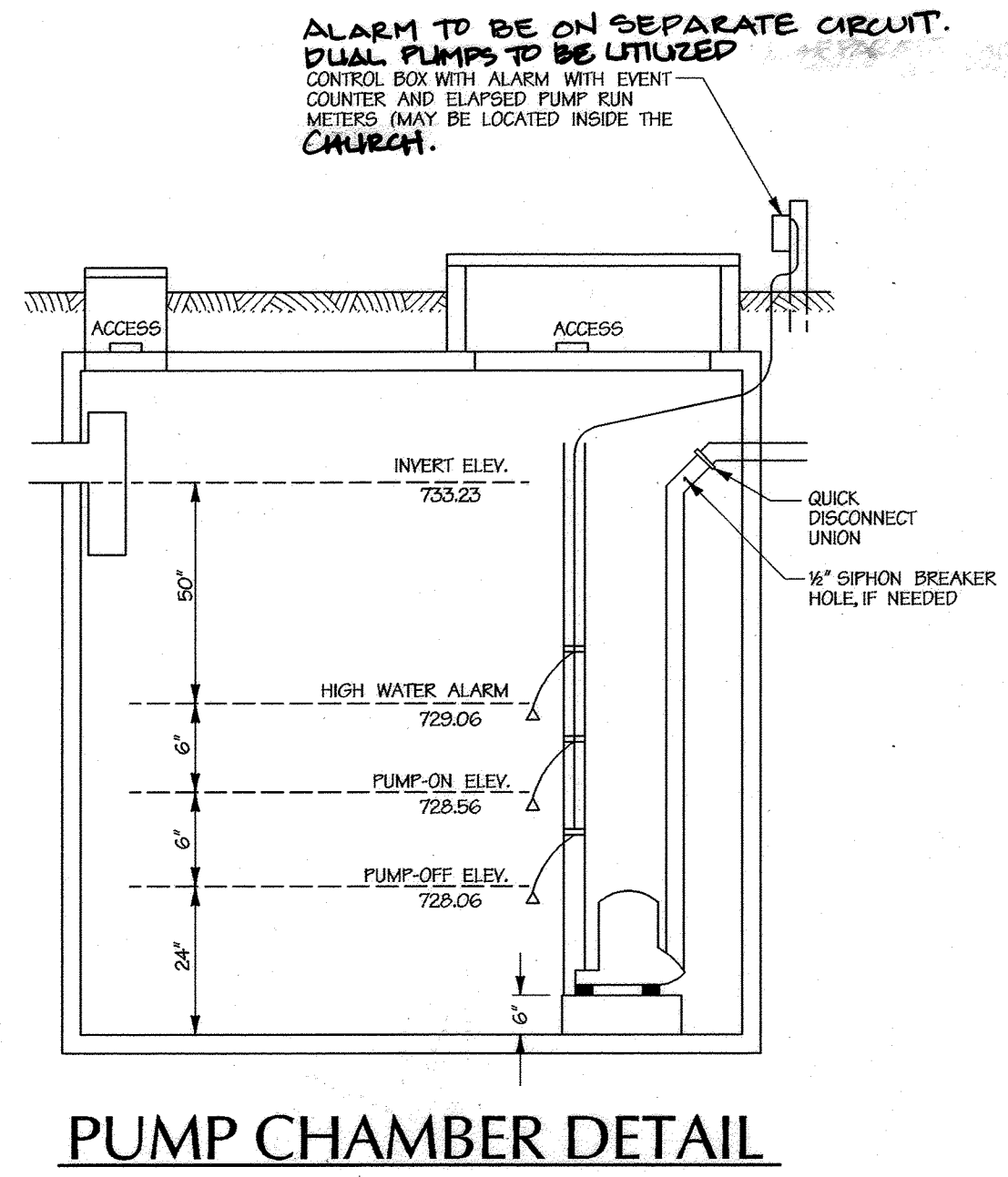
SAND MOUND

NOT TO SCALE

- A = BED WIDTH = 15'
- B = BED LENGTH = 90'
- K = SIDESLOPE SETBACK = 13'-9"
- J = UPSLOPE SETBACK = 10'-6"
- I = DOWNSLOPE SETBACK = 14'-4"
- W = TOTAL WIDTH OF MOUND = 39'-9"
- L = TOTAL LENGTH OF MOUND = 117'-5"

- THE DESIGN FLOW = 3240 GALLONS / DAY
- GENERAL NOTES FOR CONSTRUCTION OF SAND MOUND ARE TO BE PROVIDED TO CONTRACTOR PRIOR TO CONSTRUCTION
- THIS SYSTEM WILL HAVE DUAL PUMPS W/ SWITCH CONTROLS
- TANKS WILL BE TESTED FOR WATER TIGHTNESS.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] 8/2/02
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 8/2/02
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 8/23/02
 DIRECTOR
 APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 [Signature] 8-21-02
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

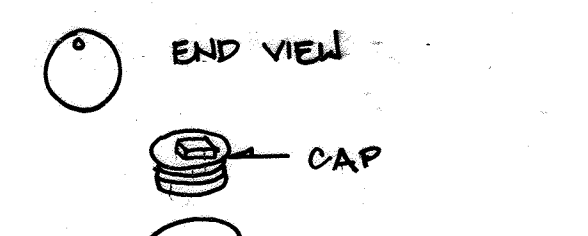
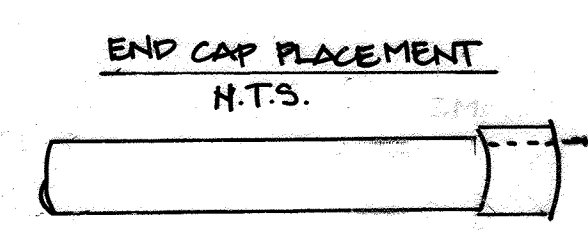
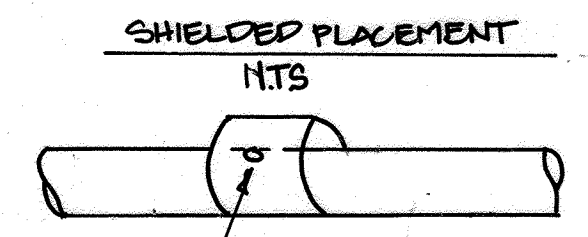


PUMP CHAMBER DETAIL

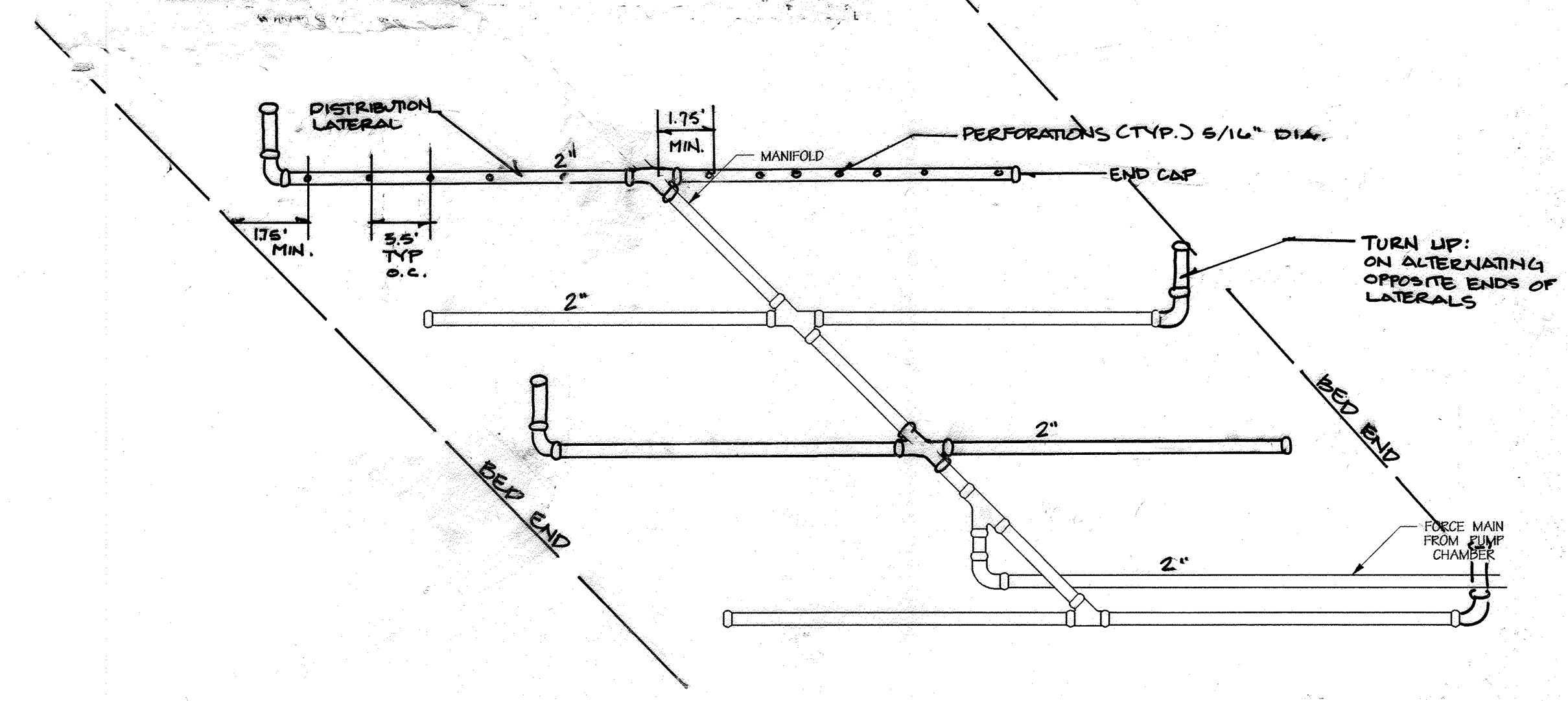
NOT TO SCALE

2000 GALLON TOP BEAM PUMP CHAMBER IS TO BE UTILIZED
 FINAL SPACING OF FLOATS TO BE SUBMITTED TO HOWARD COUNTY HEALTH DEPT. PRIOR TO SEPTIC PERMIT ISSUE. SPACING OF FLOATS IS SUBJECT TO CHANGE.

ALARM TO BE ON SEPARATE CIRCUIT.
 DUAL PUMPS TO BE UTILIZED
 CONTROL BOX WITH ALARM WITH EVENT COUNTERS AND ELAPSED PUMP RUN METERS (MAY BE LOCATED INSIDE THE CHURCH).



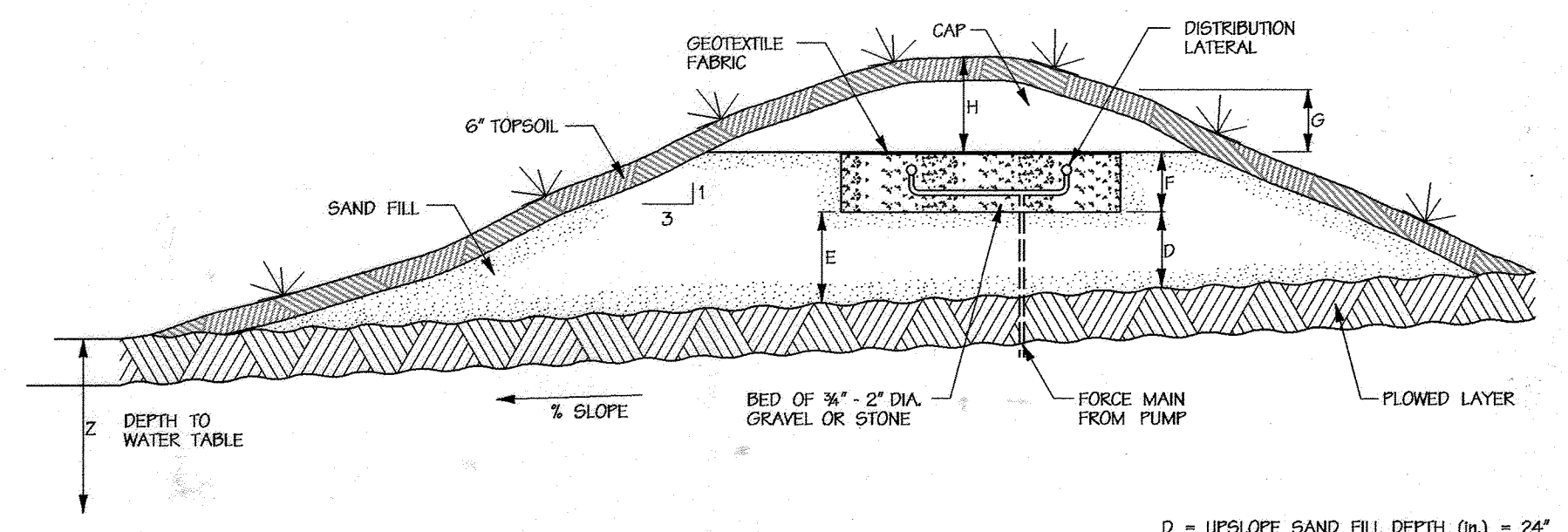
TURN UP PLACEMENT
 N.T.S.



CENTRAL MANIFOLD DISTRIBUTION NETWORK

MODIFIED FROM EPA DESIGN MANUAL

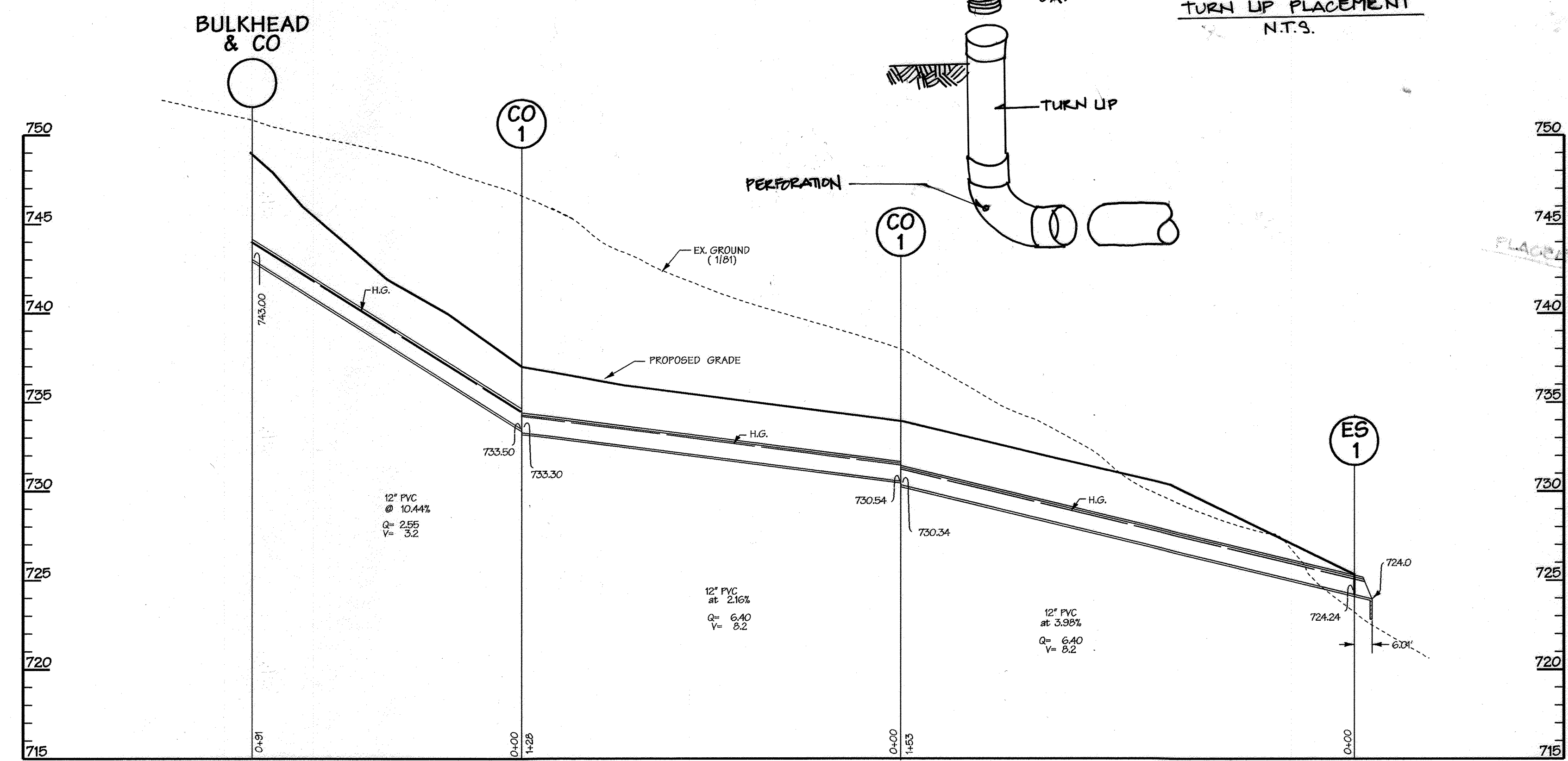
NOT TO SCALE



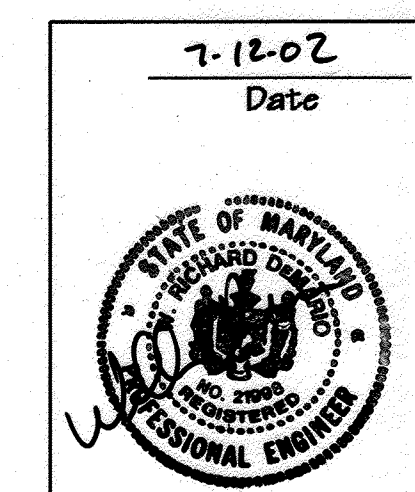
**CROSS SECTION
 SAND MOUND**

NOT TO SCALE

- D = UPSLOPE SAND FILL DEPTH (h) = 24"
- E = DOWNSLOPE SAND FILL DEPTH (h) = 30"
- F = BED DEPTH (h) = 10"
- G = CAP & TOPSOIL HEIGHT AT BED EDGES (h) = 12"
- H = CAP & TOPSOIL HEIGHT AT BED CENTER (h) = 18"
- Z = DEPTH TO WATER TABLE (h) = NA



Storm Drain Profiles
 Scale: HOR.: 1" = 30'
 VER.: 1" = 5'



3/1/2017		REVISION TOTAL SHEET NUMBERS	
Date	No.	Revision Description	
ST. Michael's Roman Catholic Church			
Phase I - Education Building Addition and Parish Center			
OWNER:	CARDINAL WILLIAM H. KEELER THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE A CORPORATE SOLE 320 CATHEDRAL STREET BALTIMORE, MARYLAND 21201	DEVELOPER:	ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION 1125 ST. MICHAEL'S ROAD POPLAR SPRINGS, MD. 21771
DMW			
Daft · McCune · Walker, Inc.			
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals		200 East Pennsylvania Avenue Towson, Maryland 21286 410 296 3333 Fax 296 4705	
SUBDIVISION NAME	NA	SECTION AREA	NA
LOT/PARCEL #	260	DATE	7-12-02
PLAT OR LOT/BLOCK #	336/22	SECTION MAP	7
WATER CODE	RC-DEO	ELECT. DISTRICT	4th
		CENSUS TRACT	6040.01
TITLE			
SEPTIC SYSTEM AND STORMDRAIN PROFILE			
Drn By:	Scale:	Proj. No. 00143.00	
Des By:	MRT/LLI	Date:	
Chk By:	Approved:	6 of 22	

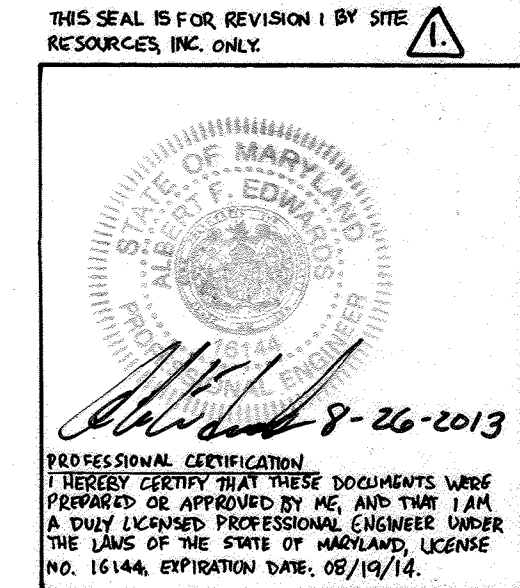
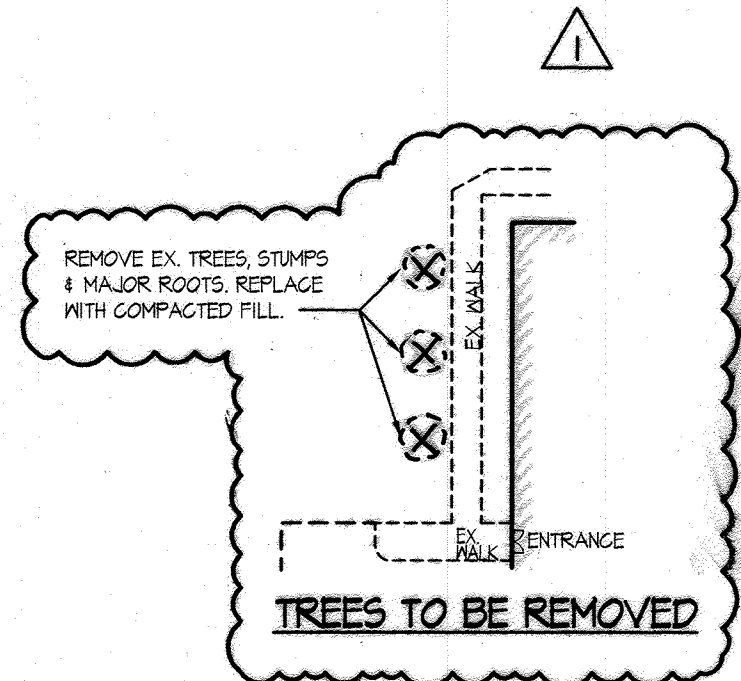
PLANT LIST

QTY	SYM	BOTANICAL NAME/ COMMON NAME	SIZE	REMARKS
LARGE TREES				
8	AR	ACER RUBRUM 'OCTOBER GLORY' October Glory Red Maple	2 1/2" - 3" CAL. 12' - 14' HT.	B & B FULL HEAD
22	QP	QUERCUS PALUSTRIS Pin Oak	2 1/2" - 3" CAL. 12' - 14' HT.	B & B FULL HEAD
FLOWERING TREES				
2	MS	MAGNOLIA STELLATA Star Magnolia	5' - 6' HT.	B & B
4	PY	PRUNUS YEDOENSIS Yoshino Cherry	1 1/2" - 2" CAL.	B & B
EVERGREEN TREES				
49	PS	PINUS STROBUS Eastern White Pine	6' - 8' HT.	B & B
SHRUBS				
23	AG	ABELIA X 'EDWARD GOUCHEE' Abelia 'Edward Gouchee'	30" - 36" HT.	CONT.
8	CA	CORNUS ALBA 'ARGENTEA' 'MARGINATA ELEGANTISSIMA'	24" - 30" HT.	CONT. 6' O.C.
9	TB	TAXUS MEDIA 'DENSIFORMIS' Dense Yew	30" - 36" SP.	CONT. 4' O.C.
69	CS	COTON. SALICIFOLIA 'REPANDENS' Willowleaf Cotoneaster	24" - 30" SP.	CONT. 6' O.C.

LEGEND

- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- EX. WATER
- EX. SANITARY SEWER
- EX. STORM DRAIN
- EX. GAS
- EX. EDGE OF ROAD
- PROP. UTILITIES
- PROP. EDGE OF ROAD
- X.360.70 SPOT ELEVATION
- (CIRCLE WITH TREE SYMBOL) PROPOSED SHADE TREE
- (CIRCLE WITH FLOWERING TREE SYMBOL) PROPOSED FLOWERING TREE
- (CIRCLE WITH EVERGREEN TREE SYMBOL) PROPOSED EVERGREEN
- (CIRCLE WITH SHRUB SYMBOL) PROPOSED SHRUB
- (SQUARE WITH TREE SYMBOL) PROPOSED ADDITION

NOTE: SEE SHEET 6 FOR LANDSCAPE NOTES AND DETAILS.



DATA SOURCES
Boundary and topography provided hereon by O'Connell & Lawrence, Inc. via electronic transfer on January 7, 2000.
Approximate head of stream and wetland locations per DMW, Inc.

Date	No.	Revision Description
9/1/2017	1	REVISE TOTAL SHEET NUMBERS
7/15/15	2	ADD HANDICAP PARKING SPACES

ST. Michael's Roman Catholic Church
Phase I - Education Building Addition and Parish Center

OWNER: CARDINAL WILLIAM H. KEELER
THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
A CORPORATE SOLE
330 CATHEDRAL STREET
BALTIMORE, MARYLAND 21201

DEVELOPER: ST. MICHAEL'S POPULAR SPRINGS ROMAN CATHOLIC CONGREGATION
1025 ST. MICHAEL'S ROAD
POPULAR SPRINGS, MD. 21771

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

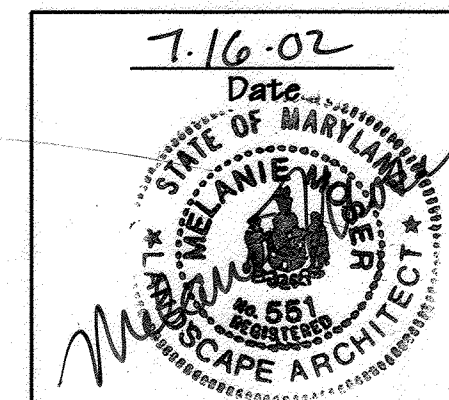
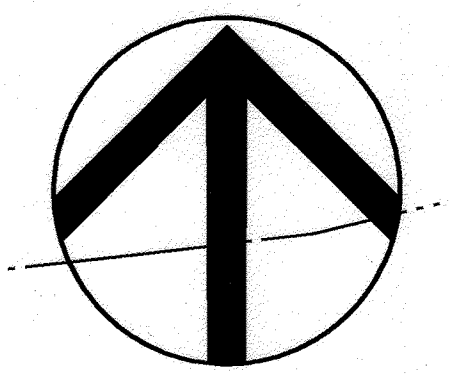
[Signature] 8/21/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature] 8/21/02
CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 8/23/02
DIRECTOR

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

[Signature] 8-21-02
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT



DMW
Daft · McCune · Walker, Inc.
A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

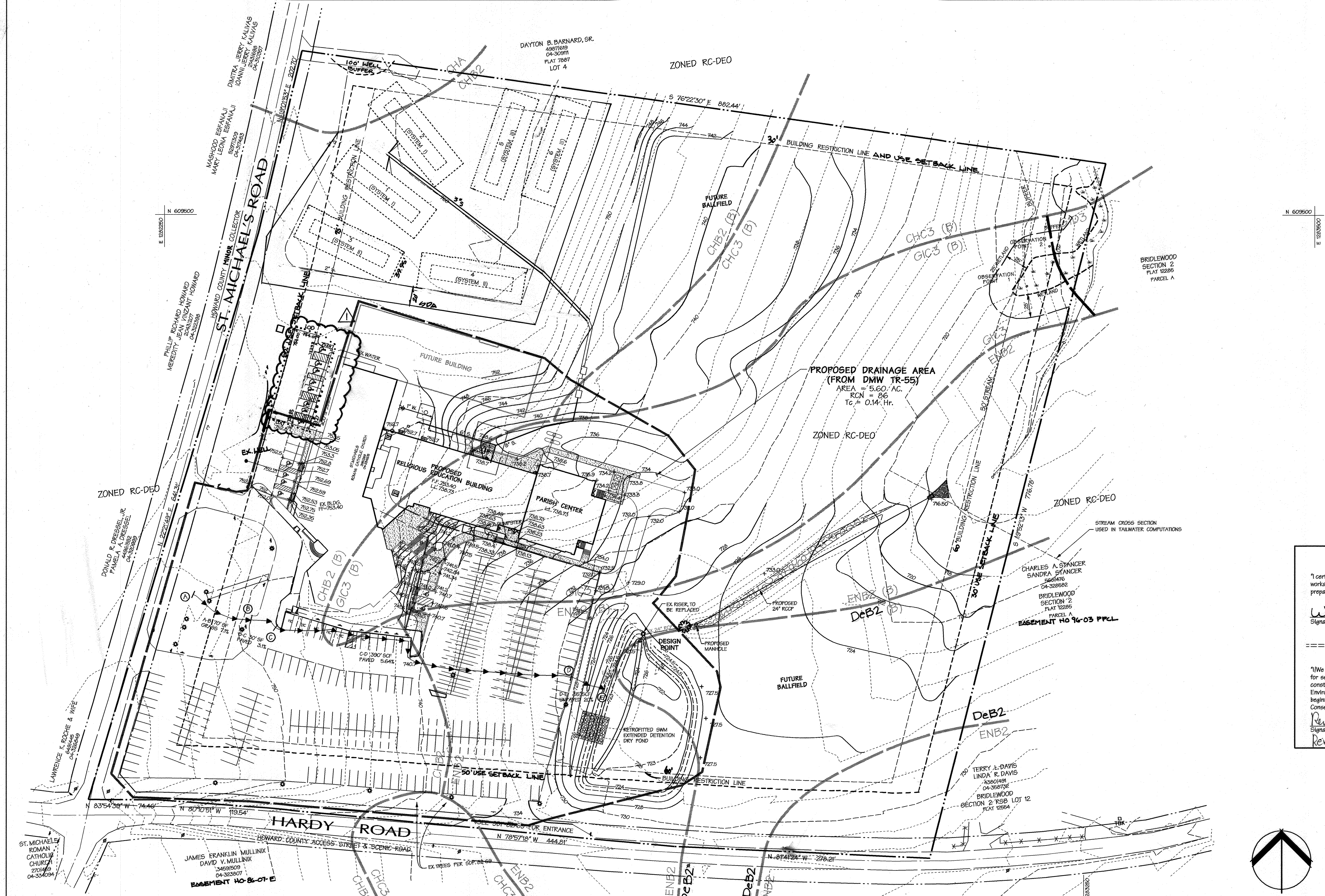
200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax 296 4705

SUBDIVISION NAME	SECTION AREA	LOT/PARCEL #
NA	NA	260
PLAT OR REFERENCE #	ZONE	TAXATION MAP
065/26	0,9	RC-DEO
WATER CODE	REVENUE CODE	GRIDING TRACT
****	*****	6040.01

TITLE: **LANDSCAPE PLAN**

Drn By: AJS	Scale: 1" = 50'	Proj. No. 99143.00
Des By:	Date: 7/12/02	7 of 22
Chk By:	Approved:	

Landscape Architect No. _____



LEGEND

- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- EX WATER
- EX SANITARY SEWER
- EX STORM DRAIN
- EX GAS
- EX EDGE OF ROAD
- PROP UTILITIES
- PROP. EDGE OF ROAD
- ||||| LIMIT OF DISTURBANCE
- PROPOSED CONTOUR
- x360.70 SPOT ELEVATION
- ENB2 SOILS TYPE BOUNDARIES
- PROP. DRAIN DVIIDE

ENGINEER'S CERTIFICATE

"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

W.O. P. DeLuca 7-12-02
 Signature of Engineer (print name below signature) Date

DEVELOPER'S CERTIFICATE

"We certify that all development and construction will be done according to the 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."

Rev. Michael J. Ruane June 17, 2002
 Signature of Developer (print name below signature) Date
 Rev. Michael J. Ruane

Date	No.	Revision Description
3/9/2017	1	REVISE TOTAL SHEET NUMBERS
7/8/13	2	ADD HANDICAP PARKING SPACES

ST. Michael's Roman Catholic Church
 Phase I - Education Building Addition and Parish Center

OWNER: CARDINAL WILLIAM H. KEELER OF BALTIMORE A CORPORATE SOLE 320 CATHEDRAL STREET BALTIMORE, MARYLAND 21201

DEVELOPER: ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION 1125 ST. MICHAEL'S ROAD POPLAR SPRINGS, MD, 21771

DMW
 Daft - McCune - Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

200 East Pennsylvania Avenue
 Towson, Maryland 21286
 410 296 3333
 Fax 296 4705

SUBDIVISION NAME	SECTION AREA	LOT/PARCEL #
NA	NA	280
PLAT OR LIBRARY #	ZONING MAP	ELECT. DISTRICT
395/28	B-9 RC-DEO	418
WATER CODE	SEWER CODE	CONTR. TRACT
****	*****	6040.01

SWM DRAINAGE AREA MAP

Drn By: ADL	Scale: 1"=50'	Proj. No. 99143.00
Des By: MRT	Date: 7/12/02	
Chk By: WRJ	Approved:	9 of 22

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

W.O. P. DeLuca 8/2/02
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Walter Wood 8/2/02
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul Smith 8/23/02
 DIRECTOR DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Paul Smith 8-21-02
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

Reviewed by Howard SCD and meets Technical Requirements

USDA - Natural Resources Conservation Service Date

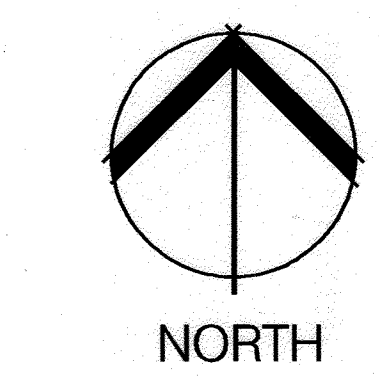
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Howard SCD Date

THIS SEAL IS FOR REVISION 1 BY SITE REVISIONS INC. ONLY.

W.O. P. DeLuca 8-26-2013

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16144, EXPIRATION DATE: 08/19/14.



LEGEND

- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- EX WATER
- EX SANITARY SEWER
- EX STORM DRAIN
- EX GAS
- EX EDGE OF ROAD
- PROP UTILITIES
- PROP. EDGE OF ROAD
- STABILIZED CONSTRUCTION ENT.
- LIMIT OF DISTURBANCE
- PROPOSED CONTOUR
- SPOT ELEVATION

- NOTES:
1. THIS SWM POND SHALL BE OWNED AND MAINTAINED BY THE ST. MICHAEL'S POPULAR SPRINGS ROMAN CATHOLIC CONGREGATION.
 2. THE SEDIMENT FOREBAY SHALL BE ACCESSED FOR MAINTENANCE FROM THE PARKING LOT.

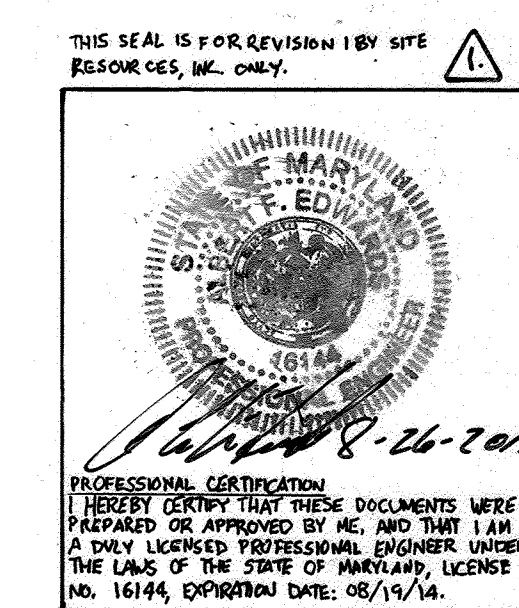
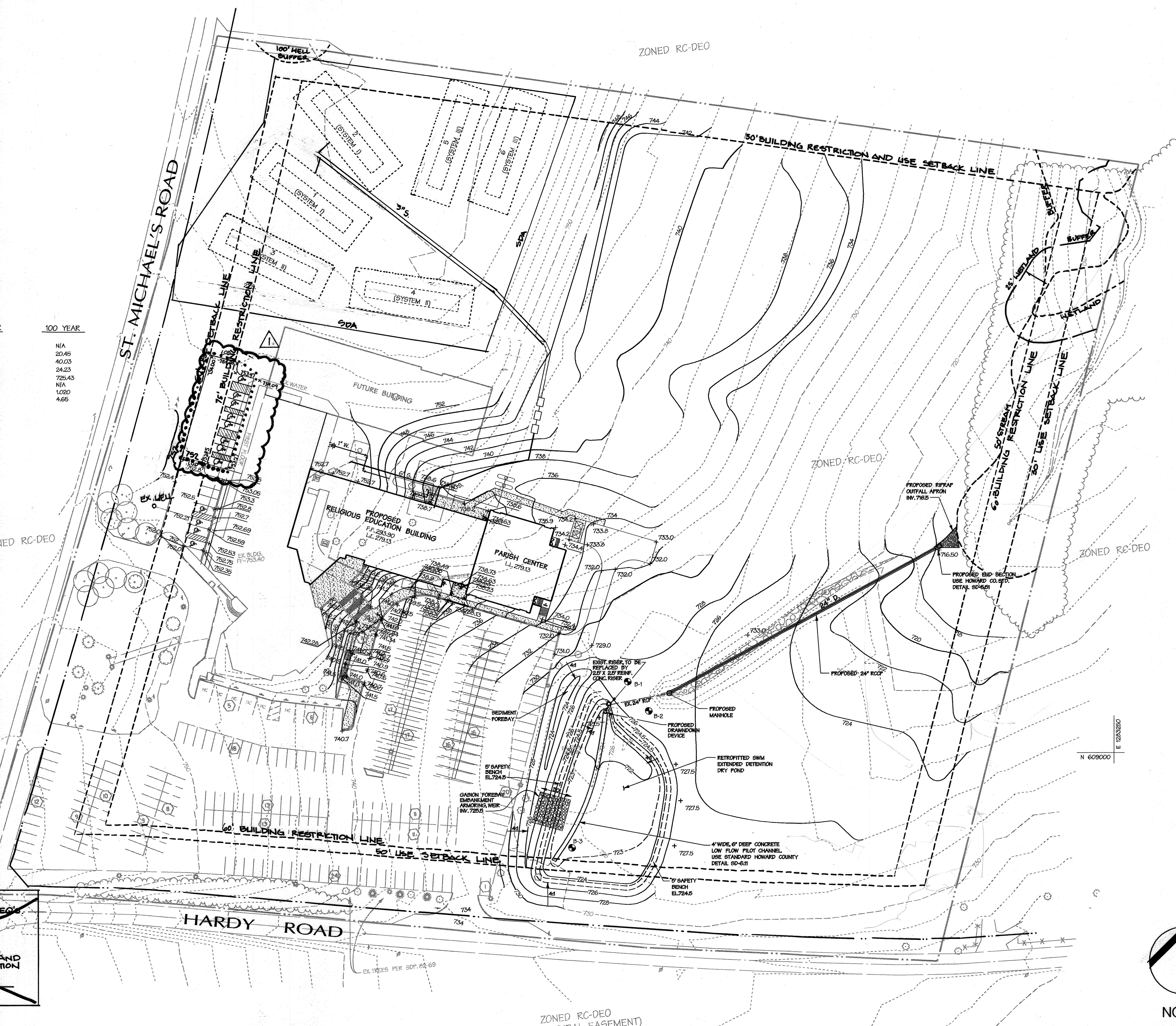
SWM POND DESIGN FLOW SUMMARY PROPOSED CONDITIONS

	2-YEAR	10 YEAR	100 YEAR
Existing D.P. (cfs) - Allowable Release *	6.96	15.36	N/A
Developed Outflow D.P. (cfs) *	1.34	10.79	20.45
Developed Inflow (cfs)	13.94	26.31	40.03
Water Surface Elevation	724.2	724.9	725.43
Water Quality Storage (ac. ft.)	0.487	0.487	N/A
Total Storage (ac. ft.)	0.950	0.800	1.020
Storage Height Product	4.65	4.65	4.65

Structure Type	EXTENDED DETENTION
Water Quality Type	DRY POND
Structure Classification	'A'
Watershed Area to Facility	0.0092 SQ. MILES
Level of Management Required	2, 10
Level of Management Provided	2, 10
Minimum Top Width Provided	12'
Maximum Height of Fill	0.0' (at embankment)
Floodproof Provided	2.0'
1-Year Ext. Det. Discharge (cfs) *	0.22
1-Year Ext. Det. Discharge (cfs)	0.19
1-Year Ext. Det. Control Offset (hrs)	22.19

* These values taken from O'Connell & Lawrence Inc. (OLI) SWM report

NOTES:
Design point is the SWM pond outfall and only considers flow that drains to the pond. There are no bypass areas.



THIS POND WILL HAVE A FLOOD HAZARD CLASSIFICATION OF 'A'

ENGINEER'S CERTIFICATE

I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature of Engineer (print name below signature): W. Richard DeMare Date: 7/12/02

DEVELOPER'S CERTIFICATE

I/we certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

Signature of Developer (print name below signature): Rev. Michael J. Ruane, Pastor Date: June 17, 2002
Rev. Michael J. Ruane

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
 USDA - Natural Resources Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SCD DATE

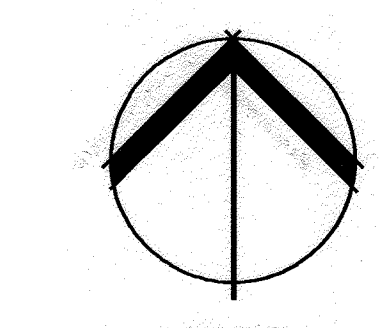
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DATE: 8/12/02
 CHIEF DEVELOPMENT ENGINEERING DIVISION
 DATE: 8/21/02
 CHIEF DIVISION OF LAND DEVELOPMENT
 DATE: 8/23/02

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER DATE: 8-21-02
 HOWARD COUNTY HEALTH DEPARTMENT

DEVELOPERS CERTIFICATE:
 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 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature of Developer: Rev. Michael J. Ruane, Pastor Date: June 17, 2002
 PRINT NAME BELOW SIGNATURE: Rev. Michael J. Ruane

ENGINEERS CERTIFICATE:
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST 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.
 Signature of Engineer: W. Richard DeMare Date: 7/12/02
 PRINT NAME BELOW SIGNATURE: W. Richard DeMare

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
 U.S.D.A. NATURAL RESOURCES CONSERVATION DISTRICT DATE
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE
 PLAN NUMBER



7-12-02
Date

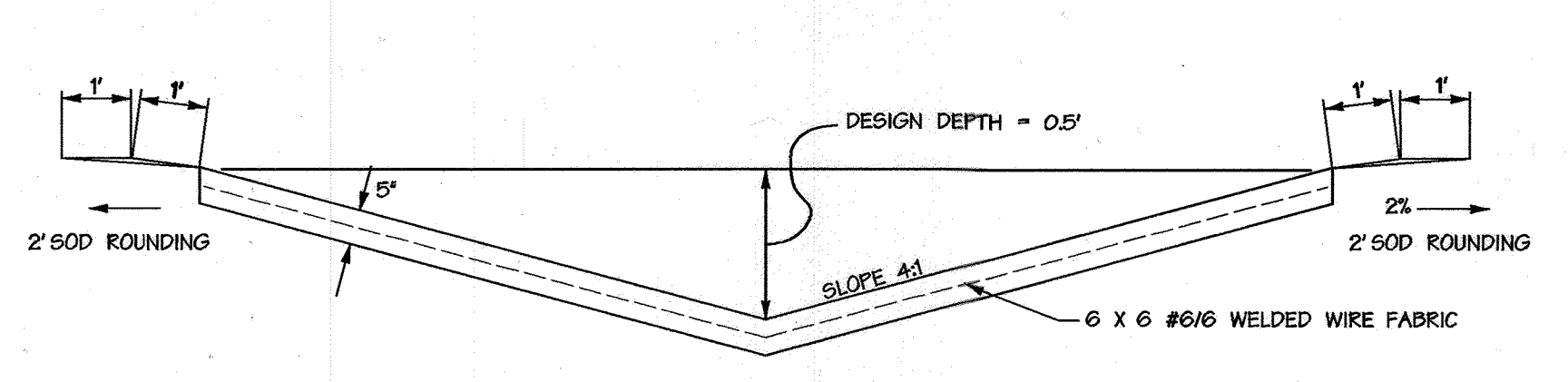


Date	No.	Revision Description
3/4/2007	1	REVISE TOTAL SHEET NUMBERS
7/18/02	2	ADD HANDICAP PARKING SPACES

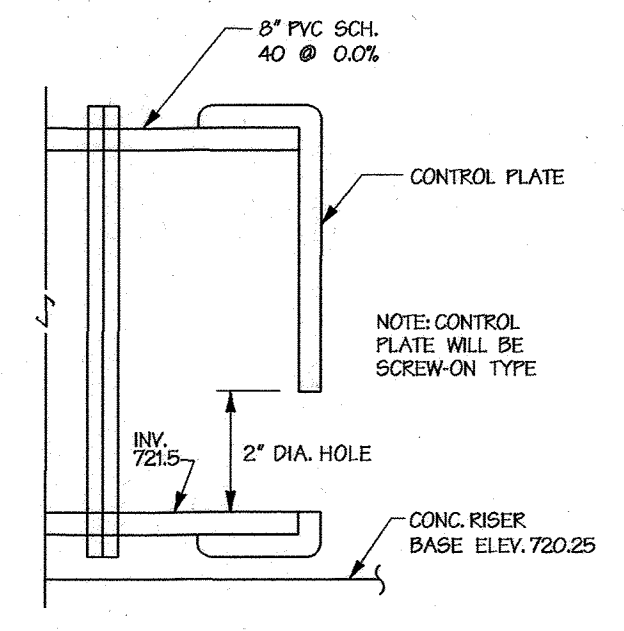
ST. Michael's Roman Catholic Church
 Phase I - Education Building Addition and Parish Center
 OWNER: CARDINAL WILLIAM H. KEELER, THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
 DEVELOPER: ST. MICHAEL'S, POPULAR SPRINGS ROMAN CATHOLIC CONGREGATION
 A CORPORATE SOLE
 320 CATHEDRAL STREET, BALTIMORE, MARYLAND 21201
 1125 ST. MICHAEL'S ROAD, POPULAR SPRINGS, MD. 21771

DMW
 Daft · McCune · Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
 300 East Pennsylvania Avenue, Towson, Maryland 21286
 410 296 3333
 Fax 410 296 4705

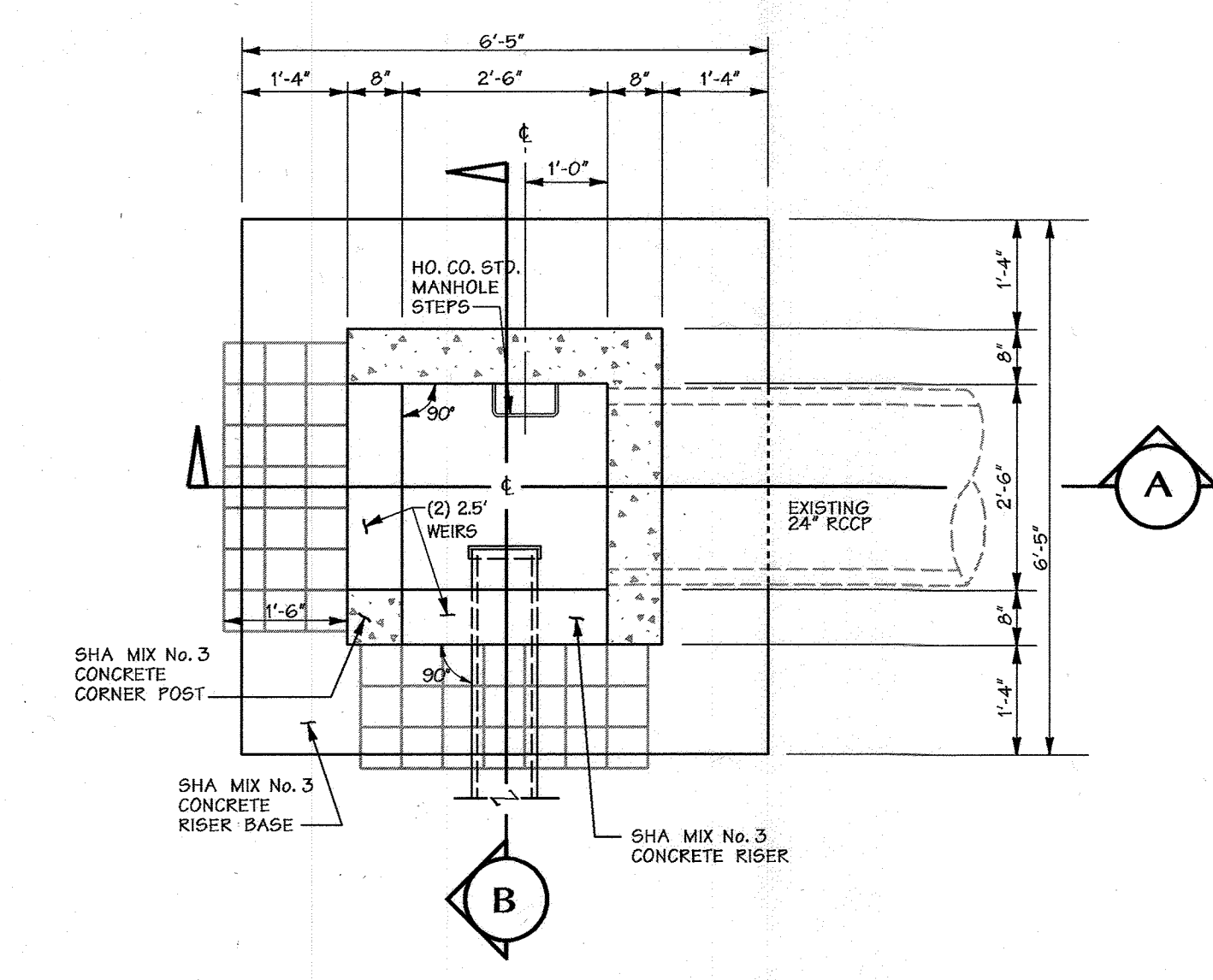
STORMWATER MANAGEMENT GRADING PLAN
 Dwn By: ADL Scale: 1"=50' Proj. No. 99143.B0
 Des By: MRT Date: 7/12/02
 Chk By: WRJ Approved: 10 of 22



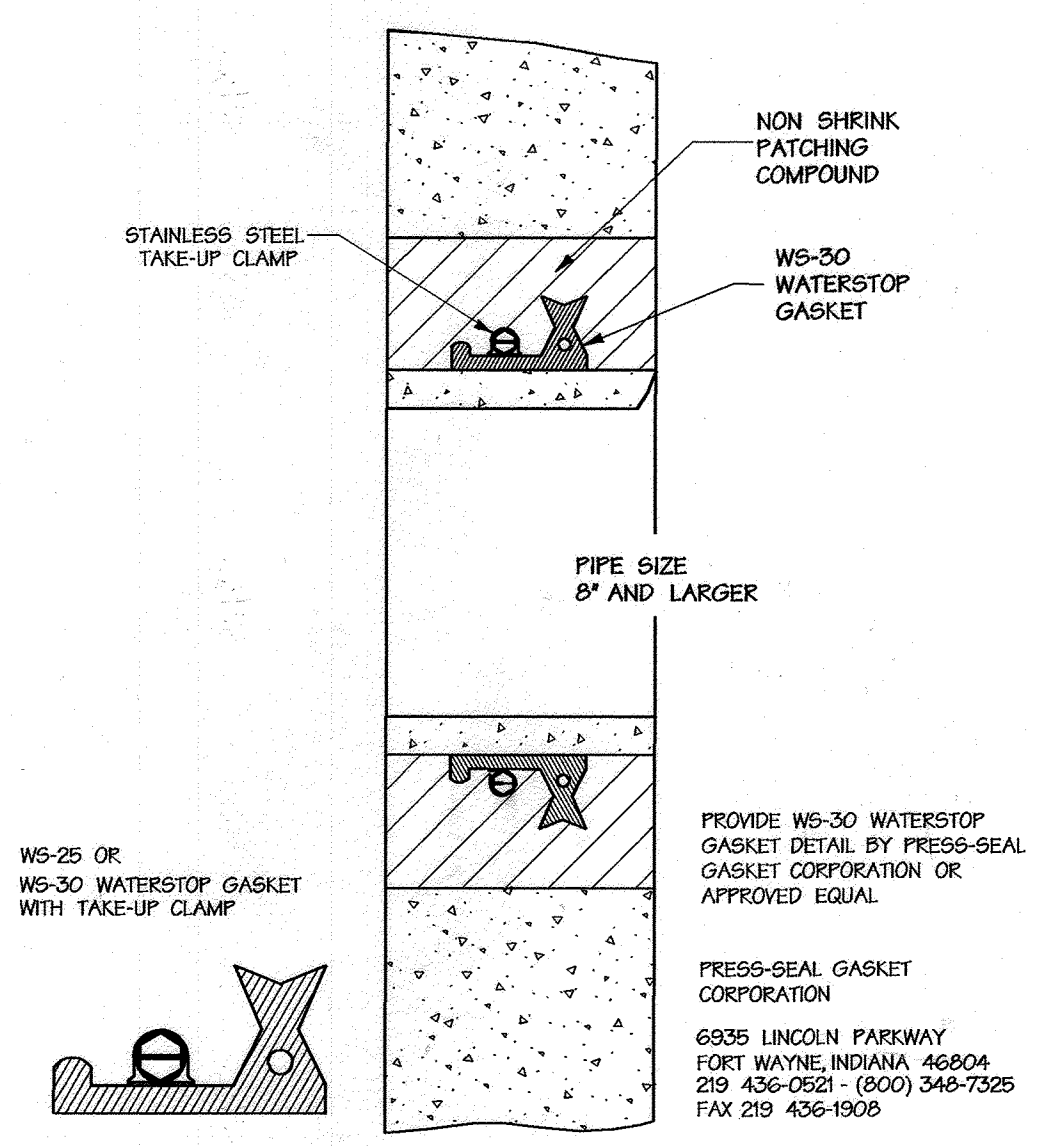
CONCRETE TRIANGULAR SECTION
HOWARD COUNTY S.D. 6.11
NOT TO SCALE



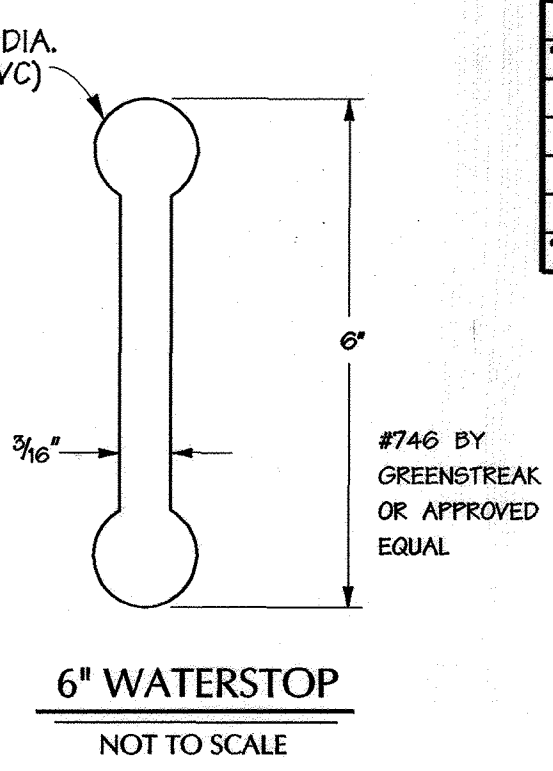
SWM LOW FLOW CONTROL PLATE DETAIL
NTS



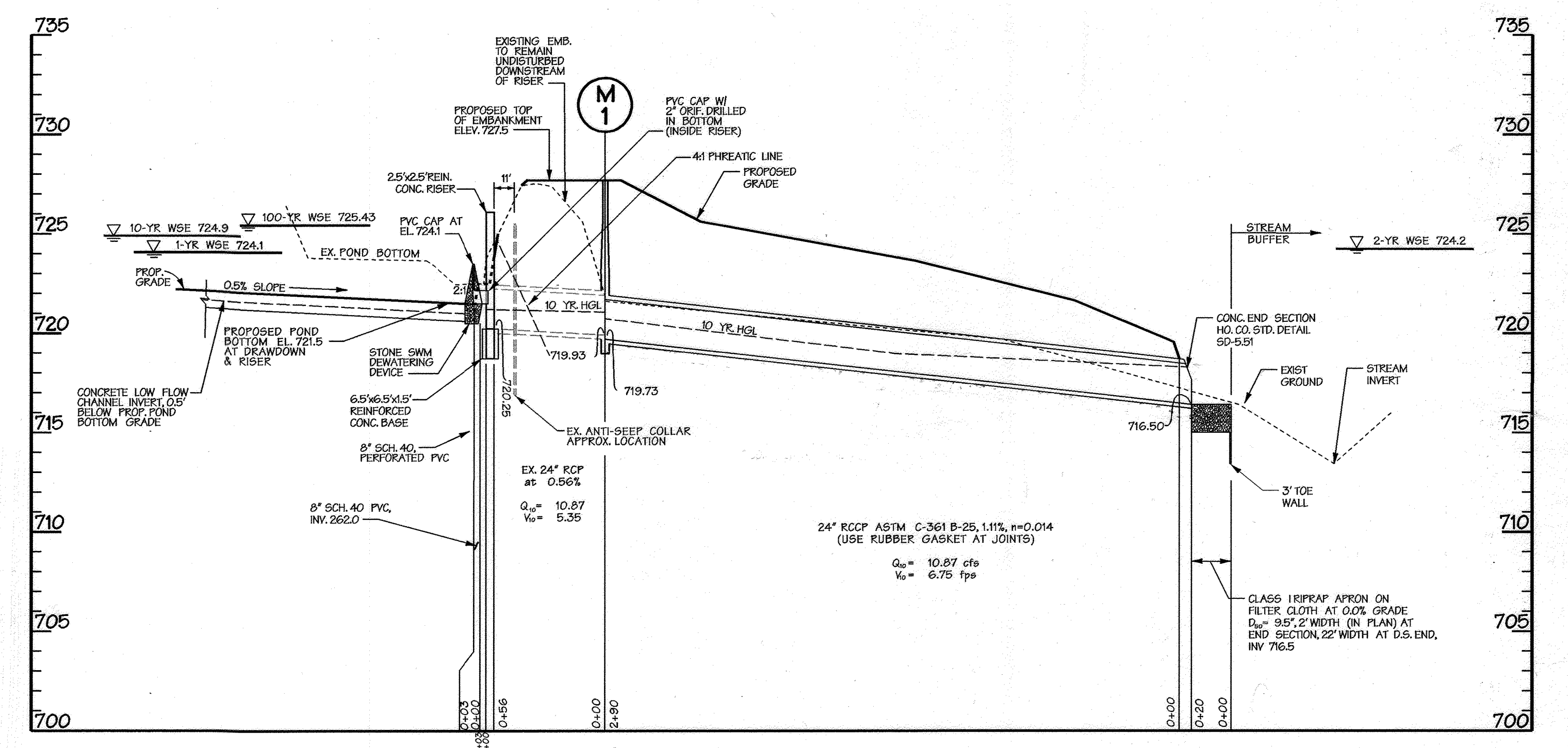
RISER PLAN (TOP SLAB REMOVED) - SWM POND
Scale: 1/2" = 1'-0"
CAST IN PLACE



PIPE WATER STOP DETAIL
NOT TO SCALE

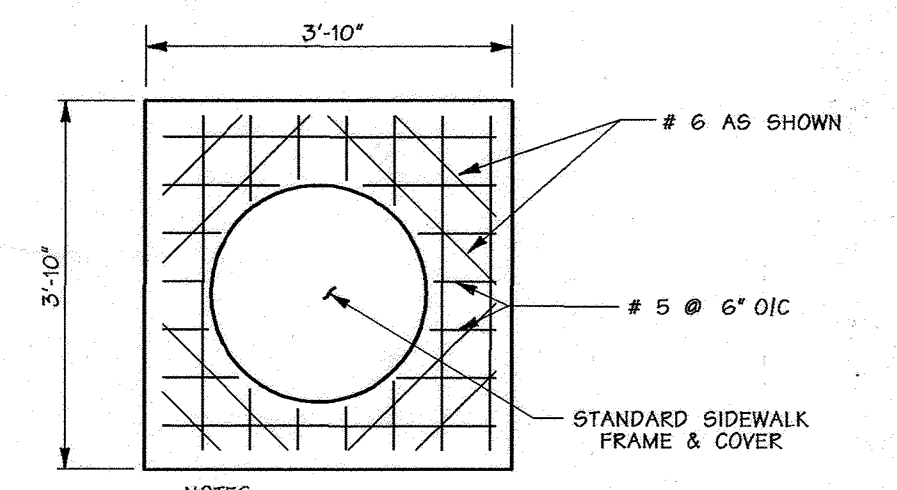


6" WATERSTOP
NOT TO SCALE

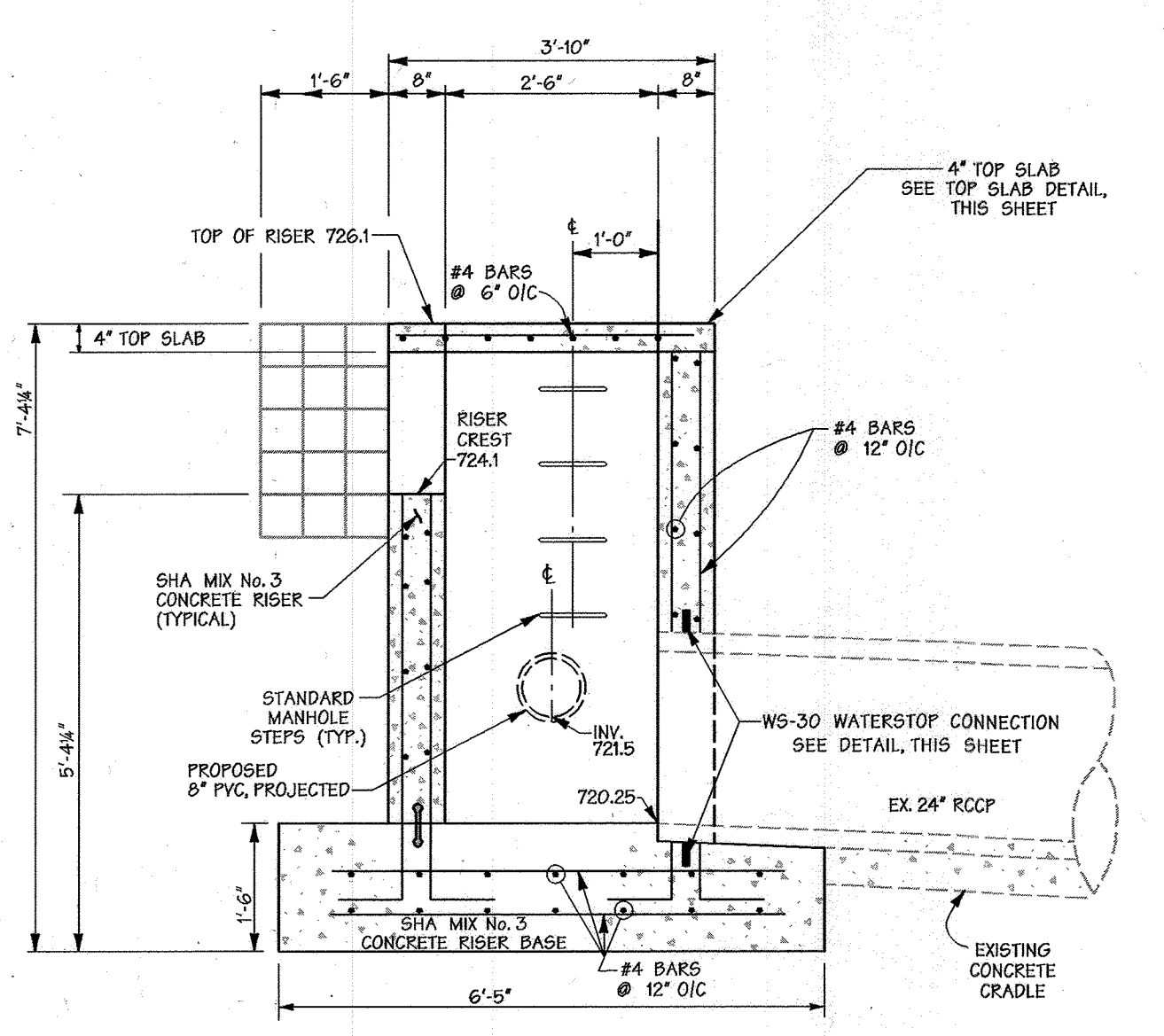


RISER / BARREL PROFILE
SCALE: HORIZ. 1" = 5'
VERT. 1" = 5'

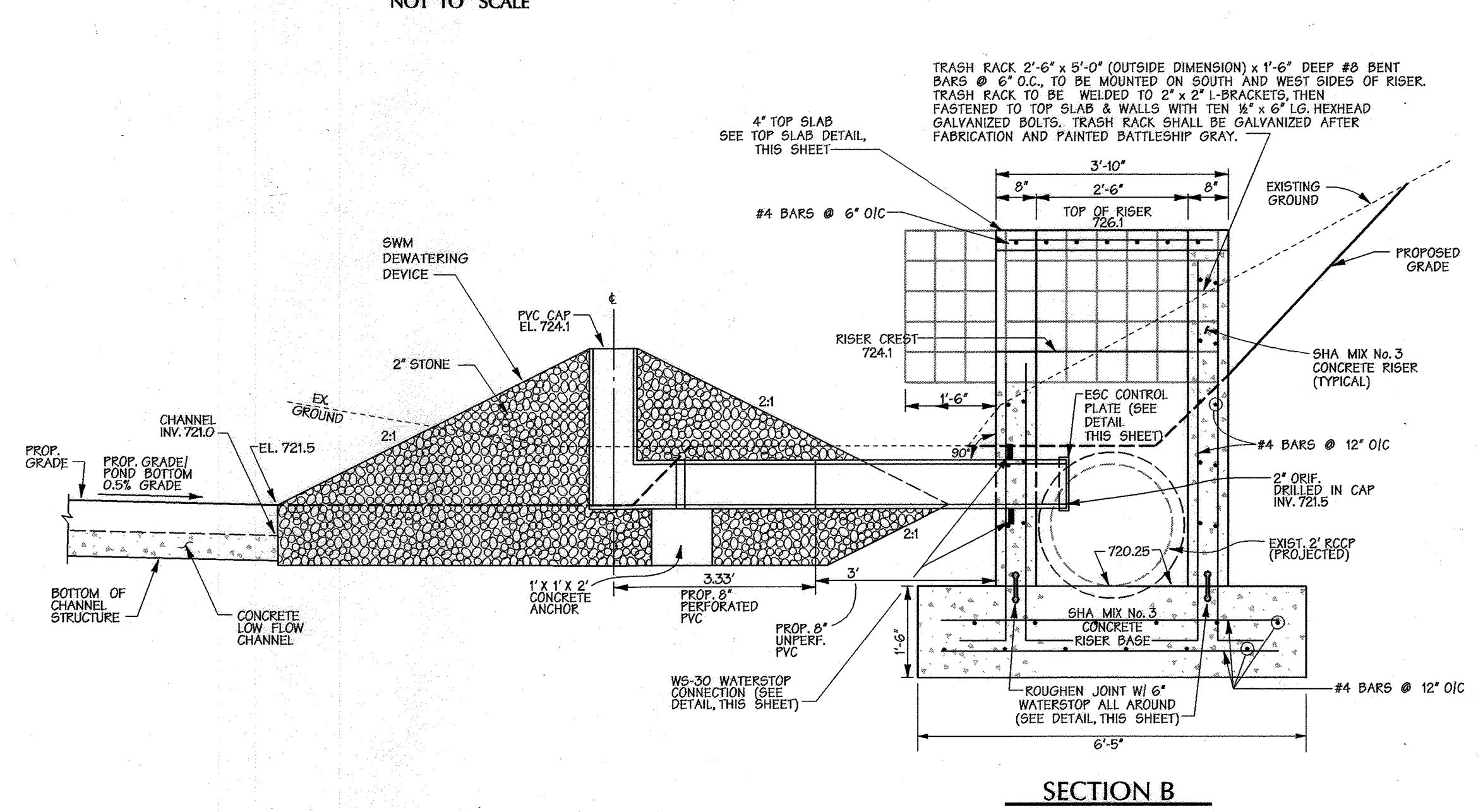
APPROVED HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 CHIEF DEVELOPMENT ENGINEERING DIVISION
 CHIEF DIVISION OF LAND DEVELOPMENT
 DATE: 8/21/02
 DATE: 8/23/02



TOP SLAB
Scale: 1/2" = 1'-0"
CAST IN PLACE



SECTION A

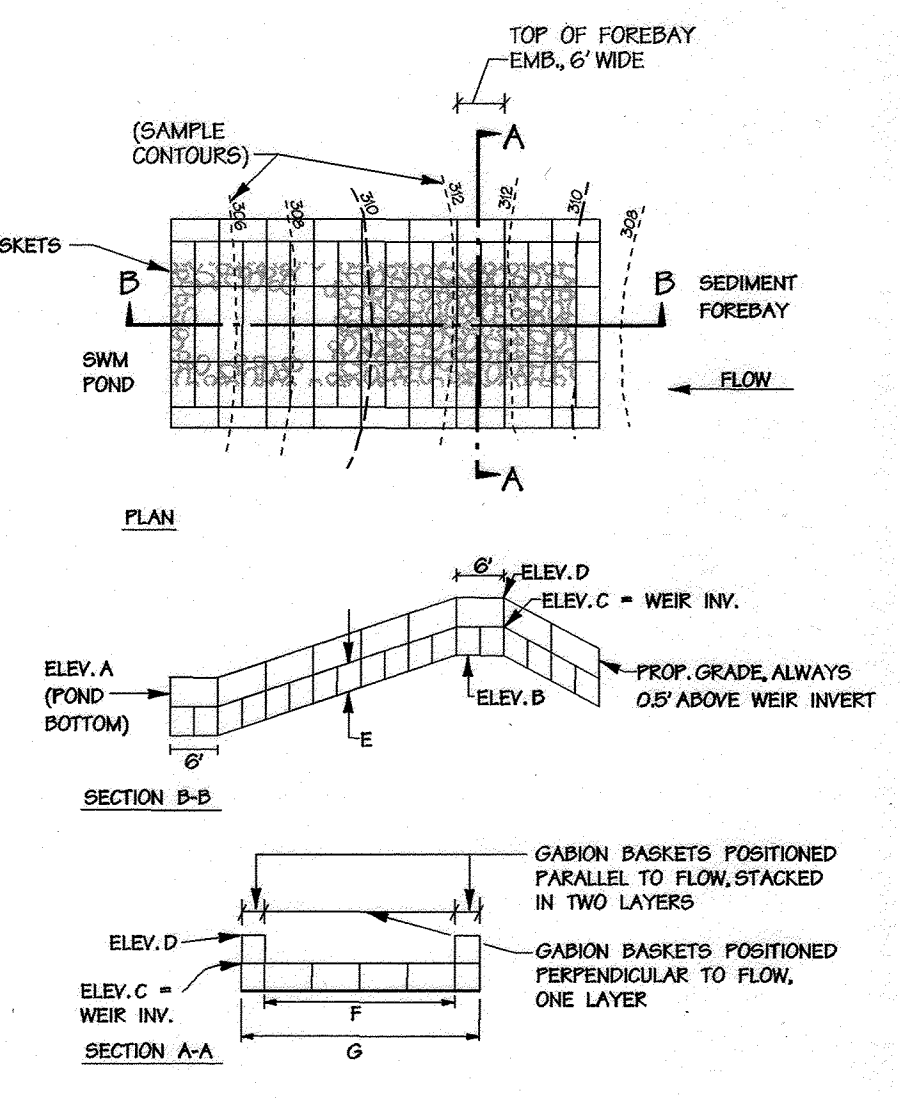


SECTION B

RISER DETAIL FOR SWM POND
Scale: 1/2" = 1'-0"
CAST IN PLACE

DIMENSIONING TABLE

VARIABLE	SWM POND
A	723.0
B	724.5
C	725.5
D	726.5
E	1'
F	24'
G	30'



SWM FOREBAY EMBANKMENT ARMORING DETAIL
NOT TO SCALE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED FOR HOWARD SCD AND MEETS TECHNICAL CRITERIA.

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL CRITERIA.
 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE
 DATE: 7-12-02
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL CONSERVATION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SCD DATE:

DEVELOPERS CERTIFICATE:
 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 ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE 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/WE ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Rev. Michael J. Ruane, Pastor
 SIGNATURE OF DEVELOPER
 PRINT NAME BELOW SIGNATURE
 DATE: June 17, 2002

ENGINEERS CERTIFICATE:
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST 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.

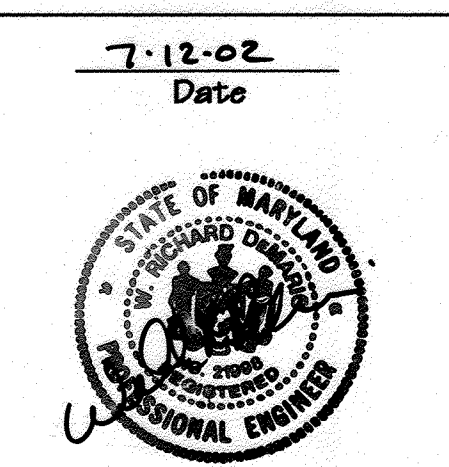
W. Richard DeMario
 SIGNATURE OF ENGINEER
 PRINT NAME BELOW SIGNATURE
 DATE: 7-12-02

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE



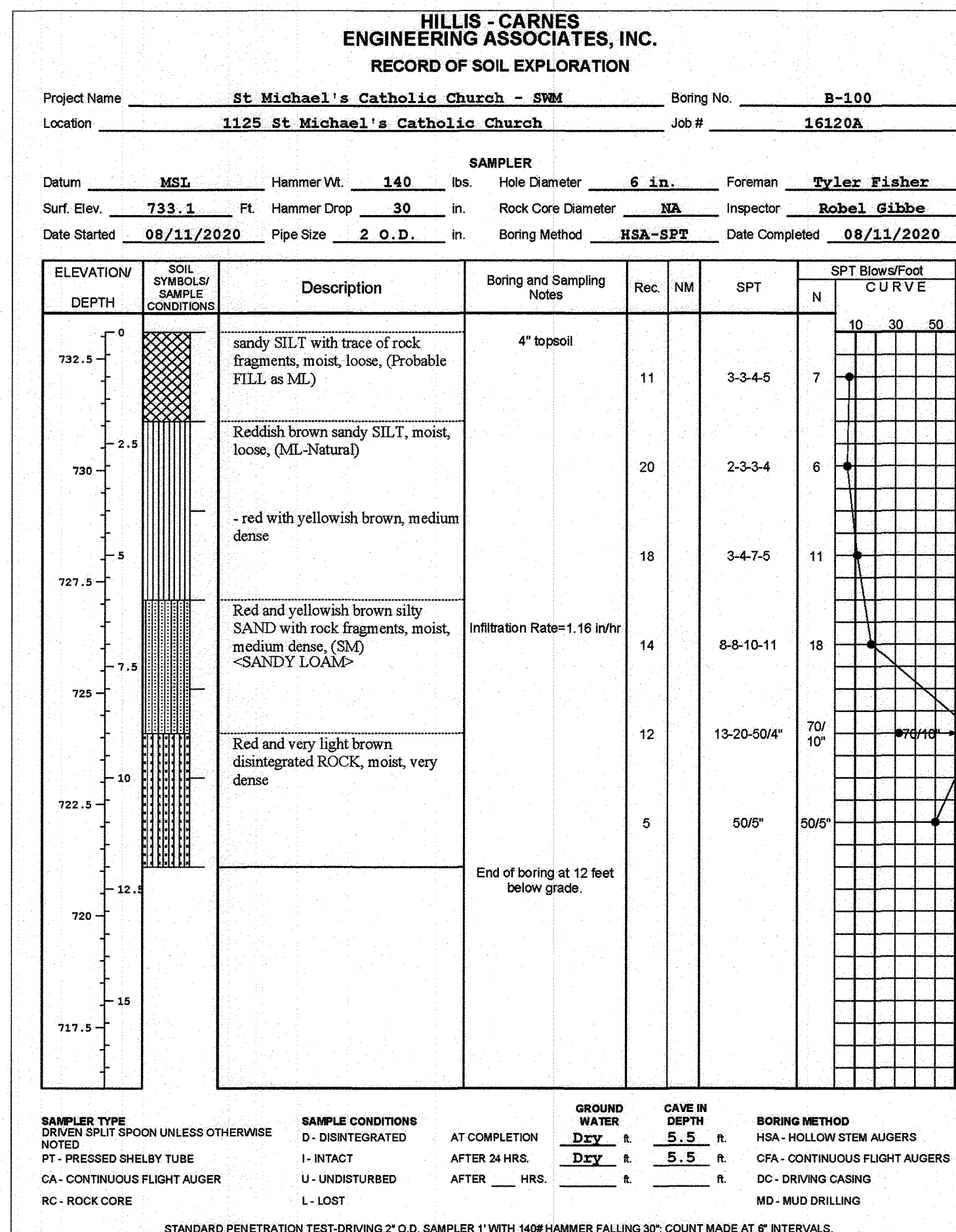
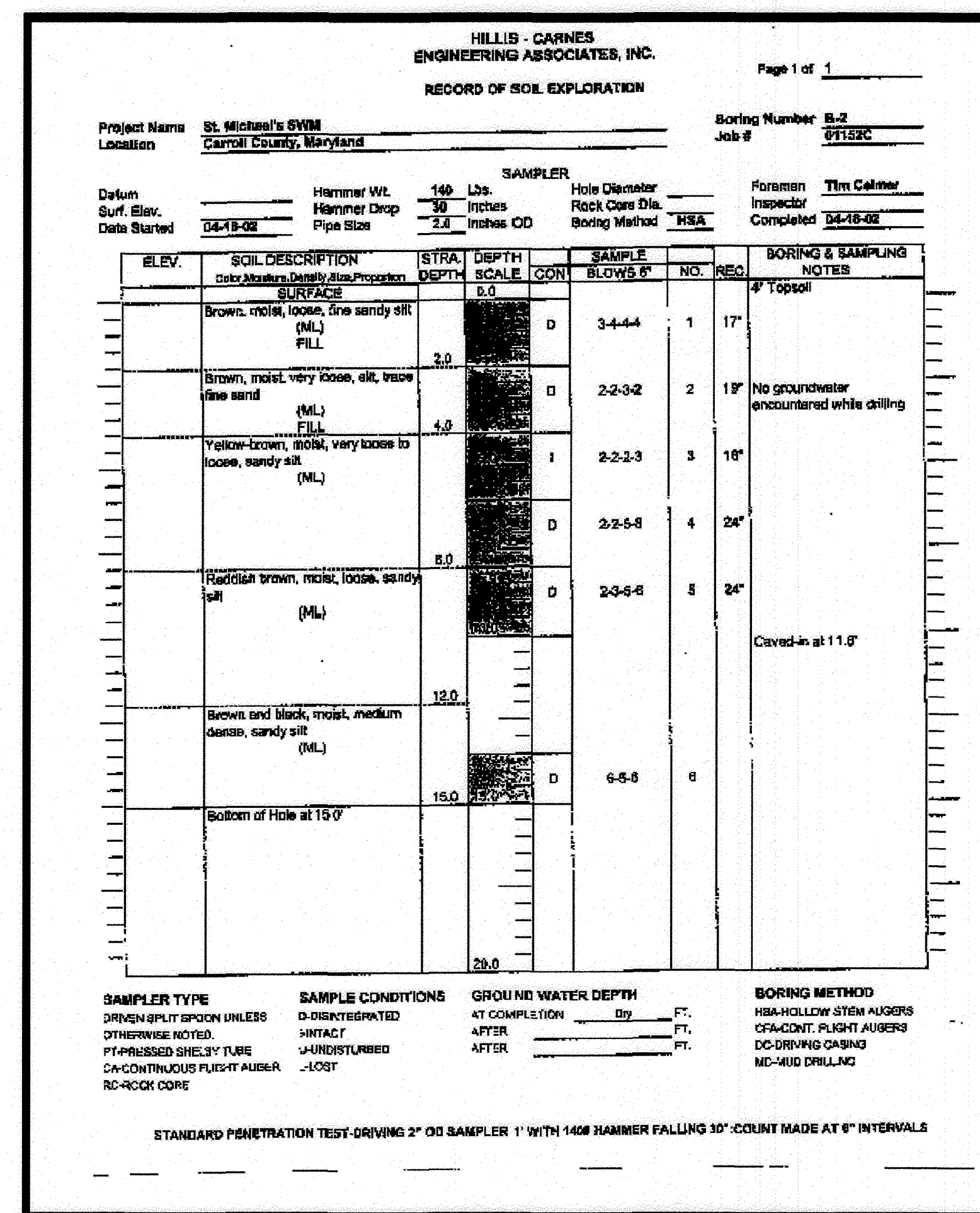
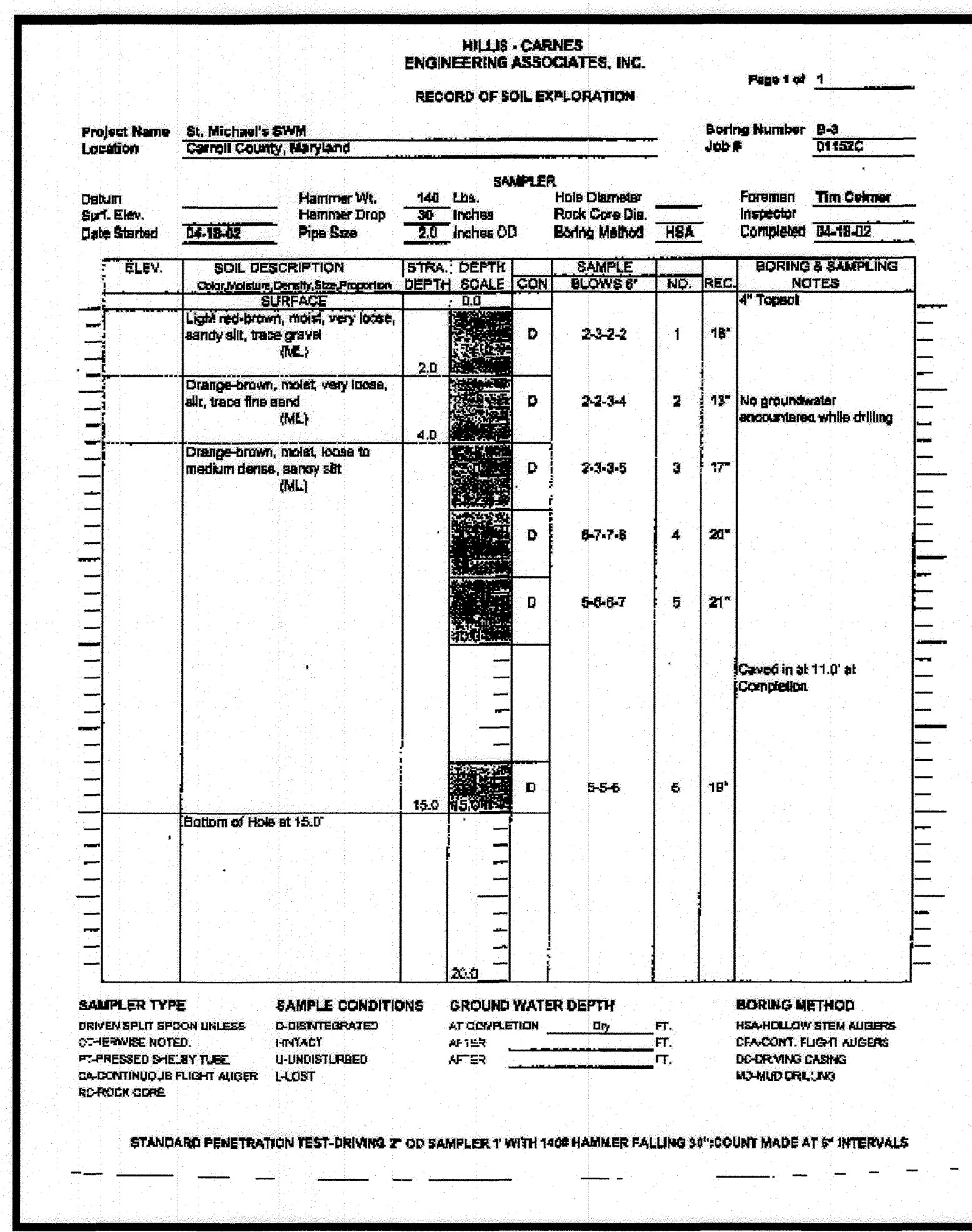
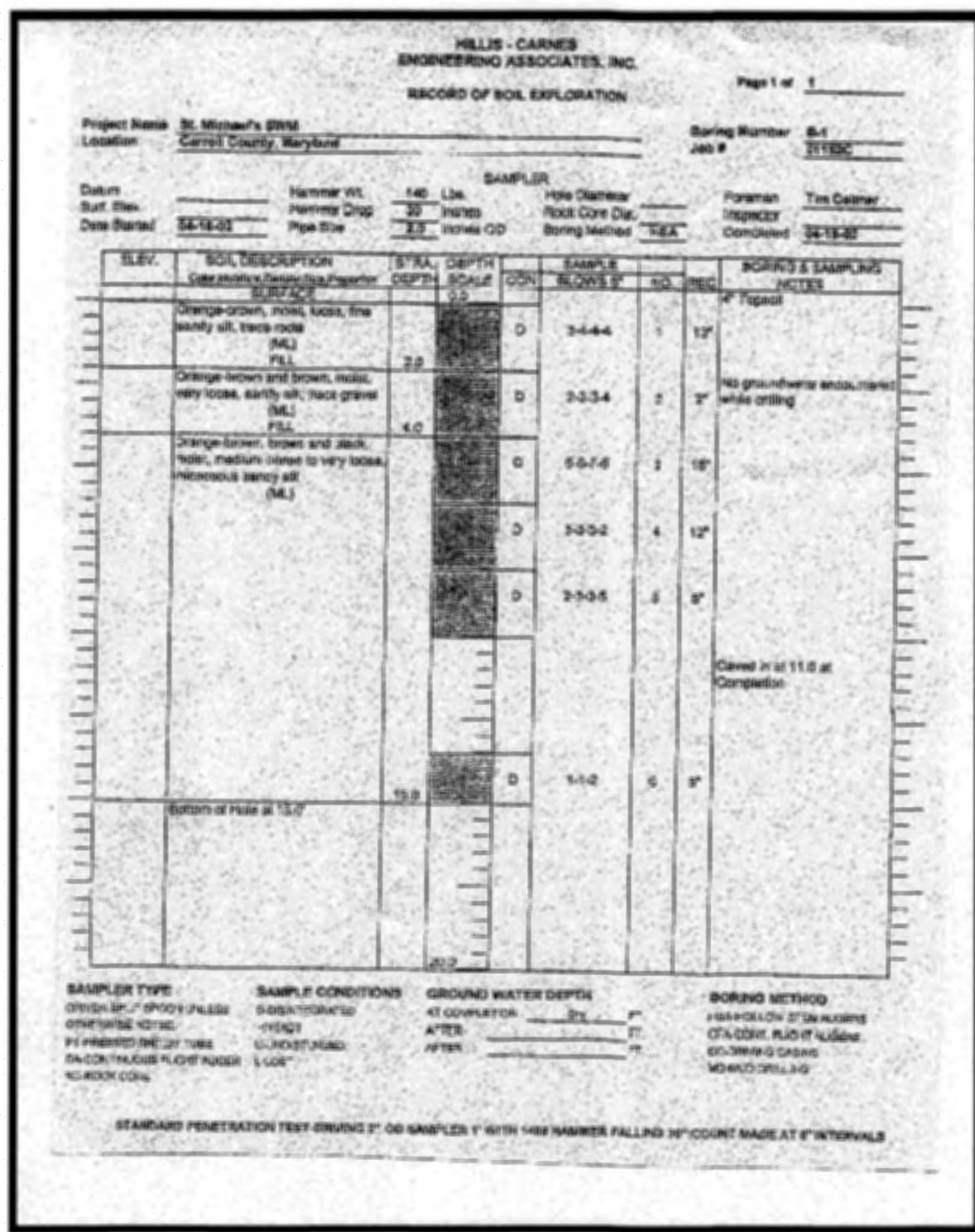
1-7-03		REMOVE CONCRETE CRADLE.
3/9/2007	Δ	REVISE TOTAL SHEET NUMBERS
Date	No.	Revision Description

ST. Michael's Roman Catholic Church
 Phase I - Education Building Addition and Parish Center
 OWNER: CARDINAL WILLIAM H. KEELER, THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE.
 DEVELOPER: ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION.
 A CORPORATE SOLE
 320 CATHEDRAL STREET
 BALTIMORE, MARYLAND 21201

DMW
 Daft · McCune · Walker, Inc.
 A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 410 296 3333
 Fax 296 4705

STORMWATER MANAGEMENT PROFILE & DETAILS

Print By: ADL Scale: AS SHOWN Proj. No. 99143.00
 Des By: MRT Date: 7/12/02
 Chk By: WRJ Approved: 11 of 22



- ROUTINE MAINTENANCE
- FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHALL BE PERFORMED DURING WET WEATHER TO DETERMINE IF POND IS FUNCTIONING PROPERLY.
 - TOP AND SIDE SLOPES OF EMBANKMENT SHALL BE MOWED A MINIMUM OF TWO TIMES PER YEAR, ONCE IN JUNE AND ONCE IN SEPTEMBER. OTHER SIDE SLOPES, BOTTOM OF POND AND MAINTENANCE ACCESS SHOULD BE MOWED AS NEEDED.
 - DEBRIS AND LITTER NEXT TO OUTLET STRUCTURE SHALL BE REMOVED DURING REGULAR MOWING OPERATIONS AND AS NEEDED.
 - VISIBLE SIGNS OF EROSION IN POND AS WELL AS RIPRAP OUTLET SHALL BE REPAIRED AS SOON AS NOTICED.
- NON-ROUTINE MAINTENANCE
- STRUCTURAL COMPONENTS OF POND SUCH AS DAM, RISER AND PIPES SHALL BE REPAIRED UPON DETECTION OF ANY DAMAGE. THE COMPONENTS SHOULD BE INSPECTED DURING ROUTINE MAINTENANCE OPERATIONS.
 - SEDIMENT SHOULD BE REMOVED WHEN ITS ACCUMULATION SIGNIFICANTLY REDUCES THE DESIGN STORAGE, INTERFERES WITH FUNCTIONING OF THE RISER, WHEN DEEMED NECESSARY FOR AESTHETIC REASONS, OR WHEN DEEMED NECESSARY BY HOWARD CO. DEPT. OF PUBLIC WORKS.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 2/16/21

CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 5/11/23

DIRECTOR DATE: 5/15/23

DATE	NO.	REVISION DESCRIPTION

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER: CARDINAL WILLIAM H. KEELER, THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE, A CORPORATE SOLE, 320 CATHEDRAL STREET, BALTIMORE, MD 21201

DEVELOPER: ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION, 1125 ST. MICHAEL'S ROAD, POPLAR SPRINGS, MD 21771

DW
DAFT MCCUNE WALKER INC.

501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286
 P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM

TITLE: REVISED SITE DEVELOPMENT PLAN & SOIL BORING LOGS AND NOTES

SUBDIVISION NAME: NA	SECT./AREA: NA	LOT/PARCEL #: 2G0
PLAT/ OR L/F: 295/26	BLOCK/ RC-DEO: 8, 9	ZONE: 7
TAX/ZONE MAP: 7	ELEC. DIST.: 4TH	CENSUS TR.: 6040.01
WATER CODE: ****	SEWER CODE: *****	

ADDRESS CHART

LOT NUMBER: 2G0	STREET ADDRESS: 1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797
-----------------	--

DESIGNED: GDT SCALE: AS SHOWN PROJECT NO: 99143.E0
 DRAWN: GMO DATE: 3/9/17
 CHECKED: MCB APPROVED: PGC 12 OF 22

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16928, EXPIRATION DATE: 05-13-22.

12/9/20 DATE

PROFESSIONAL ENGR. NO. 16928

**STORMWATER MANAGEMENT POND
GENERAL CONSTRUCTION SPECIFICATIONS**

1. GENERAL
ALL STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (MD-378) AND THE M.D.C.S. MARYLAND "STANDARDS AND SPECIFICATIONS FOR PONDS" (MD-378, 2000).

THESE SPECIFICATIONS ARE APPROPRIATE TO ALL PONDS WITHIN THE SCOPE OF THE STANDARD PRACTICE MD-378. ALL REFERENCES TO ASTM AND AASHTO SPECIFICATIONS APPLY TO THE MOST RECENT VERSION.

2. SITE PREPARATION
AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT, AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL, ALL TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED, CHANNEL BANKS AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 1:1. ALL TREES SHALL BE CLEARED AND GRUBBED WITHIN 15 FEET OF THE TOE OF THE EMBANKMENT.

AREAS TO BE COVERED BY THE RESERVOIR WILL BE CLEARED OF ALL TREES, BRUSH, LOGS, FENCES, RUBBISH AND OTHER OBJECTIONABLE MATERIAL UNLESS OTHERWISE DESIGNATED ON THE PLANS. TREES, BRUSH AND STUMPS SHALL BE CUT APPROXIMATELY LEVEL WITH THE GROUND SURFACE. FOR DRY STORMWATER MANAGEMENT PONDS, A MINIMUM OF A 25-FOOT RADIUS AROUND THE INLET STRUCTURE SHALL BE CLEARED.

ALL CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OF OUTSIDE AND BELOW THE LIMITS OF THE DAM AND RESERVOIR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. WHEN SPECIFIED, A SUFFICIENT QUANTITY OF TOPSOIL WILL BE STOCKPILED IN A SUITABLE LOCATION FOR USE ON THE EMBANKMENT AND OTHER DESIGNATED AREAS.

3. EARTH FILL
MATERIAL - THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED DESIGNATED BORROW AREAS. IT SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6" FROZEN OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE EMBANKMENT AND CUT OFF TRENCH SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION AND MUST HAVE AT LEAST 30% PASSING THE #200 SIEVE. CONSIDERATION MAY BE GIVEN TO THE USE OF OTHER MATERIALS IN THE EMBANKMENT IF DESIGNED BY A GEOTECHNICAL ENGINEER. SUCH SPECIAL DESIGNS MUST HAVE CONSTRUCTION SUPERVISED BY A GEOTECHNICAL ENGINEER.

MATERIALS USED IN THE OUTER SHELL OF THE EMBANKMENT MUST HAVE THE CAPABILITY TO SUPPORT VEGETATION OF THE QUALITY REQUIRED TO PREVENT EROSION OF THE EMBANKMENT.

PLACEMENT - AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 6" INCH THICK (BEFORE COMPACTION) LAYERS WHICH ARE TO BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL. THE MOST PERMEABLE STORMWATER MATERIAL SHALL BE PLACED IN THE DOWNSTREAM PORTIONS OF THE EMBANKMENT. THE PRINCIPAL SPILLWAY MUST BE INSTALLED CONCURRENTLY WITH FILL PLACEMENT AND NOT EXCAVATED INTO THE EMBANKMENT.

COMPACTION - THE MOVEMENT OF THE HAULING AND SPREADING EQUIPMENT OVER THE FILL SHALL BE CONTROLLED SO THAT THE TOP WIDTH OF THE CORE SHALL BE A MINIMUM OF FOUR FEET. THE HEIGHT SHALL EXTEND UP TO AT LEAST THE 10 YEAR WATER ELEVATION OR AS SHOWN ON THE PLANS. THE SIDE SLOPES SHALL BE 1 TO 1 OR FLATTER. THE CORE SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT, ROLLERS, OR HAND TAMPERS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY. IN ADDITION, THE CORE SHALL BE PLACED CONCURRENTLY WITH THE OUTER SHELL OF THE EMBANKMENT.

CUT OFF TRENCH - THE CUTOFF TRENCH SHALL BE EXCAVATED INTO IMPERVIOUS MATERIAL ALONG OR PARALLEL TO THE EMBANKMENT AS SHOWN ON THE PLANS. THE EQUIPMENT USED FOR EXCAVATION WITH THE MINIMUM WIDTH BEING FOUR FEET SHALL GOVERN THE BOTTOM WIDTH OF THE TRENCH. THE DEPTH SHALL BE AT LEAST 4 FEET BELOW EXISTING GRADE OR AS SHOWN ON THE PLANS. THE SIDE SLOPES OF THE TRENCH SHALL BE 1 TO 1 OR FLATTER. THE BACKFILL SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT, ROLLERS, OR HAND TAMPERS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY.

EMBANKMENT CORE - THE CORE SHALL BE PARALLEL TO THE CENTERLINE OF THE EMBANKMENT AS SHOWN ON THE PLANS. THE TOP WIDTH OF THE CORE SHALL BE A MINIMUM OF FOUR FEET. THE HEIGHT SHALL EXTEND UP TO AT LEAST THE 10 YEAR WATER ELEVATION OR AS SHOWN ON THE PLANS. THE SIDE SLOPES SHALL BE 1 TO 1 OR FLATTER. THE CORE SHALL BE COMPACTED WITH CONSTRUCTION EQUIPMENT, ROLLERS, OR HAND TAMPERS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY. IN ADDITION, THE CORE SHALL BE PLACED CONCURRENTLY WITH THE OUTER SHELL OF THE EMBANKMENT.

2. REINFORCED CONCRETE PIPE - ALL OF THE FOLLOWING CRITERIA SHALL APPLY FOR REINFORCED CONCRETE PIPE:
1. MATERIALS - PVC PIPE SHALL BE PVC-1120 OR PVC-1220 CONFORMING TO ASTM D-1785 OR ASTM D-2241. CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE), COUPLINGS AND FITTINGS SHALL CONFORM TO THE FOLLOWING: 4" - 10" INCH PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M292 TYPE S, AND 12" THROUGH 24" SHALL MEET THE REQUIREMENTS OF AASHTO M294 TYPE S.

2. JOINTS AND CONNECTIONS TO ANTI-SEEP COLLARS SHALL BE COMPLETELY WATER TIGHT.
3. BEDDING - THE PIPE SHALL BE FIRMLY AND UNIFORMLY BEDDED THROUGHOUT ITS ENTIRE LENGTH. WHERE ROCK OR SOFT, SPONGY OR OTHER UNSTABLE SOIL IS ENCOUNTERED, ALL SUCH MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE EARTH COMPACTED TO PROVIDE ADEQUATE SUPPORT.

4. BACKFILLING SHALL CONFORM TO "STRUCTURE BACKFILL".
5. OTHER DETAILS (ANTI-SEEP COLLARS, VALVES, ETC.) SHALL BE AS SHOWN ON THE DRAWINGS.

7. CONCRETE
CONCRETE SHALL MEET THE REQUIREMENTS OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 404.00X NO. 3.

CAST-IN-PLACE CONCRETE STRUCTURES
1. SPECIFICATIONS: MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION.
2. AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, LATEST EDITION, FOR DESIGN. CONCRETE DESIGN BY THE "SERVICE LOAD DESIGN METHOD".

3. CONCRETE SHALL MEET THE REQUIREMENTS OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 404 AND 302.00X NO. 3.
4. CONTRACTOR MAY ADD COLOR MIX AT PLANT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION "C-12 MESA BEIGE" AS MANUFACTURED BY L.M. SCOFIELD COMPANY (213) 723-5285.

CONTRACTOR SHALL SUPPLY MIX DESIGN FOR APPROVAL PRIOR TO APPLICATION. LOAD AND MIX TICKETS SHALL BE SUPPLIED FOR EACH TRUCK DELIVERY. NO PARTIAL FIELD MIXES SHALL BE ALLOWED.
ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS. DESIGN FC = 1,200 PSI.

ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4" X 3/4". ALL CONSTRUCTION KEYS ARE SHOWN NOMINAL SIZE.
5. REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60, WHERE NOT INDICATED, BAR LAP SPICES SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATIONS. THE MINIMUM CONCRETE COVER SHALL BE 2 INCHES UNLESS OTHERWISE NOTED. DESIGN FS = 24,000 PSI.

6. FOUNDATION: PRESUMED SOIL BEARING CAPACITY = 2,500 PSF. THE ENGINEER MUST APPROVE ALL FOUNDATIONS PRIOR TO CONCRETE PLACEMENT. IF UNSUITABLE MATERIAL IS ENCOUNTERED, THE MATERIAL SHALL BE UNDERCUT AND BACKFILLED WITH STRUCTURAL BACKFILL.
7. STRUCTURAL BACKFILL: CAST-IN-PLACE CONCRETE STRUCTURES AND PIPE SHALL BE BACKFILLED WITH SELECT GRANULAR BACKFILL MEETING THE REQUIREMENTS OF SHA GRADED AGGREGATE-SUBBASE. STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS OF APPROXIMATELY 6 INCHES, AND COMPACTED TO 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO T-180. THE STATIC WEIGHT OF EQUIPMENT USED ADJACENT TO WALLS SHALL NOT EXCEED 3,000 POUNDS. NO BACKFILL SHALL BE PLACED AGAINST THE CAST-IN-PLACE WALLS UNTIL THE CONCRETE HAS ATTAINED THE SPECIFIED 28 DAY STRENGTH.

PRE-CAST CONCRETE STRUCTURES
SHOP DRAWINGS FOR PRE-CAST STRUCTURES WITH SUPPORTING STRUCTURAL COMPUTATIONS (SIGNED AND SEALED BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER) MEETING ASTM REQUIREMENTS FOR PRE-CAST STRUCTURES MUST BE SUBMITTED TO THE ENGINEER AND THE APPROVING AGENCY (BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENT PROTECTION AND RESOURCE MANAGEMENT) FOR APPROVAL PRIOR TO FABRICATION.

8. ROCK RIP-RAP
ROCK RIP-RAP SHALL MEET THE REQUIREMENTS OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 301.

GEOTEXTILE SHALL BE PLACED UNDER ALL RIP-RAP AND SHALL MEET THE REQUIREMENTS OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 921.09, CLASS C.

THE RIP-RAP SHALL BE PLACED TO THE REQUIRED THICKNESS IN ONE OPERATION. THE ROCK SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL INSURE THE RIP-RAP IN PLACE SHALL BE REASONABLY HOMOGENEOUS WITH THE LARGER ROCKS UNIFORMLY DISTRIBUTED AND FIRMLY IN CONTACT ONE TO ANOTHER WITH THE SMALLER ROCKS FILLING THE VOIDS BETWEEN THE LARGER ROCKS.

9. CARE OF WATER DURING CONSTRUCTION
ALL WORK ON PERMANENT STRUCTURES SHALL BE CARRIED OUT IN AREAS FREE FROM WATER. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL TEMPORARY DIKES, LEVEES, COFFERDAMS, DRAINAGE CHANNELS, AND STREAM DIVERSIONS NECESSARY TO PROTECT THE AREAS TO BE OCCUPIED BY THE PERMANENT WORKS. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL NECESSARY PUMPING AND OTHER EQUIPMENT REQUIRED FOR REMOVAL OF WATER FROM THE VARIOUS PARTS OF THE WORK AND FOR MAINTAINING THE EXCAVATIONS, FOUNDATION, AND OTHER PARTS OF THE WORK FREE FROM WATER AS REQUIRED OR DIRECTED BY THE ENGINEER FOR CONSTRUCTING EACH PART OF THE WORK. AFTER HAVING SERVED THEIR PURPOSE, ALL TEMPORARY PROTECTIVE WORKS SHALL BE REMOVED OR LEVELLED AND GRADED TO THE EXTENT REQUIRED TO PREVENT OBSTRUCTION IN ANY DEGREE. WHATSOEVER OF THE FLOW OR 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 DIVERSIONS SHALL BE MAINTAINED UNTIL THE FULL FLOW CAN BE PASSED THROUGH THE PERMANENT WORKS. THE REMOVAL OF WATER FROM THE REQUIRED EXCAVATION AND THE FOUNDATION SHALL BE ACCOMPLISHED IN A MANNER AND TO THE EXTENT THAT WILL MAINTAIN STABILITY OF THE EXCAVATED SLOPES AND BOTTOM OF REQUIRED EXCAVATIONS AND WILL 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 LOCATIONS WHICH MAY REQUIRE DRAINING THE WATER TO PUMPS FROM WHICH THE WATER SHALL BE PUMPED.

10. STABILIZATION
ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SLIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE EMBANKMENT, SPILLWAY, SPOIL AND BORROW AREAS, AND BERMS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING IN ACCORDANCE WITH THE NATURAL RESOURCES CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR CRITICAL AREA PLANTING (MD-342) OR AS SHOWN ON THE ACCOMPANYING DRAWINGS.

11. 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. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION PLANS SHALL DETAIL EROSION AND SEDIMENT CONTROL MEASURES TO BE EMPLOYED DURING THE CONSTRUCTION PROCESS.

ALL DISTURBED AREAS SHALL BE CONTROLLED BY AN EROSION AND SEDIMENT CONTROL PLAN WHICH HAS BEEN APPROVED BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT (B.C.S.C.D.).
12. SEEDING
SEEDING, FERTILIZING AND MULCHING SHALL BE AS FOLLOWS:

SEED MIX: 50% KENBLUE KENTUCKY BLUEGRASS
40% PENNLAWN CREEPING RED FESCUE
10% STEELHEAD REEDTOP
APPLIED AT A RATE OF 150 LBS. PER ACRE.
(OR)
REBEL II TALL FESCUE (125 LBS. PER ACRE)
PENNLAWN CREEPING RED FESCUE (70 LBS. PER ACRE)
KENTUCKY BLUEGRASS (10 LBS. PER ACRE)
(OR)
PENNLAWN CREEPING RED FESCUE (70 LBS. PER ACRE)
COMMON WHITE CLOVER (6 LBS. PER ACRE)
WINTER RYE (45 LBS. PER ACRE)
(OR)
70% FORAGER TALL FESCUE
30% CHEMUNG CROWN VETCH, INOCULATED
APPLIED AT A RATE OF 55 LBS. PER ACRE
OPTIMUM SEEDING DATES: MARCH 1 TO APRIL 30.

LIME: 2 TONS/ACRE DOLOMITIC LIMESTONE.
FERTILIZER: 600 LBS./ACRE 10-10-10 FERTILIZER BEFORE SEEDING.
400 LBS./ACRE 30-0-0 UREA FORM FERTILIZER AT TIME OF SEEDING.

MULCH: STRAW AT 4,000 LBS. PER ACRE.

ANCHORING - MULCHING TOOL OR WOOD CELLULOSE FIBER BINDER AT A NET DRY BINDER RATE OF 750 POUNDS PER ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER OR AT RATES RECOMMENDED BY THE MANUFACTURER.

13. FILTER CLOTH
ALL FILTER CLOTH SHALL CONFORM TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, OR THE LATEST EDITION.

14. GABIONS
ALL GABIONS SHALL BE PVC COATED WOVEN WIRE BASKETS. STONE SIZE SHALL BE 4 INCHES TO 7 INCHES. (CLASS IV GABIONS).

15. CONSTRUCTION INSPECTION BY DESIGNATED ENGINEERS
THE CONSTRUCTION OF THE POND AND EMBANKMENT, AND CERTIFICATION THAT THE POND AND EMBANKMENT HAVE BEEN BUILT IN ACCORDANCE WITH THE PLANS SHALL BE UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER. THE ENGINEER SHALL BE NOTIFIED SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ARRANGEMENTS CAN BE MADE FOR (1) INSPECTION OF PIPE TRENCH AND BEDDING, (2) INSPECTION OF RISER AND ANTI-SEEP COLLARS AND (3) SUPERVISION OF EMBANKMENT CONSTRUCTION AND COMPACTION TESTING. THE ENGINEER SHALL DIRECT THE HANDLING OF WATER DURING CONSTRUCTION. MINOR CHANGES NOT AFFECTING THE INTEGRITY OF THE DAM IN ORDER TO COMPENSATE FOR UNUSUAL SOIL CONDITIONS, AND THE REMOVAL AND REPLACEMENT OF DEFECTIVE FILL.

16. INSPECTION SCHEDULE
1. PRIOR NOTIFICATION SHALL BE GIVEN TO THE ENGINEER SO THAT INSPECTIONS MAY BE MADE AT THE FOLLOWING STAGES:

- (1) UPON COMPLETION OF EXCAVATION TO SUBFOUNDATION AND WHERE REQUIRED, INSTALLATION OF STRUCTURAL SUPPORTS OR REINFORCEMENT FOR STRUCTURES, INCLUDING BUT NOT LIMITED TO:
 - (i) CORE TRENCHES FOR STRUCTURAL EMBANKMENTS.
 - (ii) INLET/OUTLET STRUCTURES AND ANTI-SEEP STRUCTURES, WATER TIGHT CONNECTORS ON PIPES AND
 - (iii) TRENCHES FOR ENCLOSED STORM DRAINAGE FACILITIES.
- (2) DURING PLACEMENT OF STRUCTURAL FILL, REINFORCING AND CONCRETE, AND INSTALLATION OF PIPING AND CATCH BASINS
- (3) DURING BACKFILL OF FOUNDATIONS AND TRENCHES
- (4) DURING EMBANKMENT CONSTRUCTION AND
- (5) UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION.

NO WORK SHALL PROCEED UNTIL THE ENGINEER INSPECTS AND APPROVES THE WORK PREVIOUSLY COMPLETED.

2. GEOTECHNICAL COMPACTION TESTING OF THE FACILITY EMBANKMENT IS REQUIRED. CERTIFICATION MUST BE PROVIDED TO THE DESIGNATED ENGINEER IN CHARGE OF THE AS-BUILT.

3. A COPY OF ALL MATERIAL SUPPLY TICKETS MUST BE GIVEN TO THE DESIGNATED ENGINEER IN CHARGE OF THE AS-BUILT.

17. OPERATION, MAINTENANCE AND INSPECTION
INSPECTION OF THE POND(S) SHOWN HEREON SHALL BE PERFORMED AT LEAST ANNUALLY, IN ACCORDANCE WITH THE CHECKLIST AND REQUIREMENTS CONTAINED WITHIN THE SCA "STANDARDS AND SPECIFICATIONS FOR PONDS" (MD-378). THE POND OWNER(S) AND ANY HEIRS, SUCCESSORS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE POND AND THE CONTINUED OPERATION, SURVEY, AND MAINTENANCE THEREOF. THE POND OWNER(S) SHALL PROMPTLY NOTIFY THE SOIL CONSERVATION DISTRICT OF ANY UNUSUAL CONDITIONS THAT MAY BE INDICATIONS OF DISTRESS SUCH AS EXCESSIVE SEEPAGE, TURBID SEEPAGE, SLIDING OR SLUMPING.

18. UTILITIES
NO UTILITIES MAY BE CONSTRUCTED WITHIN/ALONG ANY MD-378 EMBANKMENT.

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

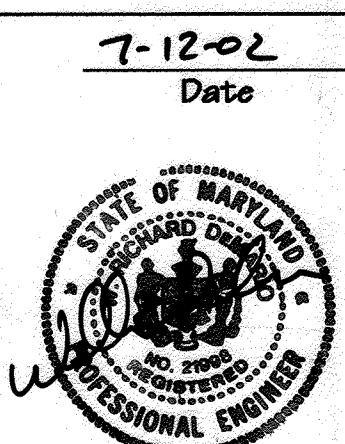
DEVELOPERS CERTIFICATE:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE 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/WE ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
Rev. Michael J. Ruave Pastor June 17, 2002
SIGNATURE OF DEVELOPER PRINT NAME BELOW SIGNATURE DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
Dennis Boronstein M.D. Ed. 8-21-02
COUNTY HEALTH OFFICER HOWARD COUNTY HEALTH DEPARTMENT

APPROVED, HOWARD COUNTY DEPT. OF PLANNING & ZONING
Chief Development Engineering, Div. 1
Kathleen Ipa CH
Chief, Division of Land Development
8/21/02 DATE
8/23/02 DATE

ENGINEERS CERTIFICATE:
I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE/SHE MUST 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.
W. Richard DeMarco 7-12-02
SIGNATURE OF ENGINEER DATE
PRINT NAME BELOW SIGNATURE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE
THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE
PRINT NUMBER



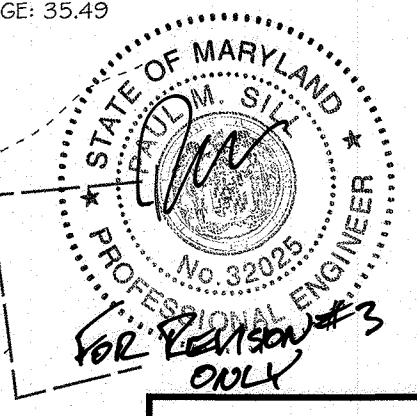
2/1/02		REVISE TOTAL SHEET NUMBERS	
Date	No.	Revision Description	
ST. Michael's Roman Catholic Church Phase I - Education Building Addition and Parish Center OWNERS: CARDINAL WILLIAM H. KEELER, THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE, A CORPORATE SOLE, 320 CATHEDRAL STREET, BALTIMORE, MARYLAND 21201 DEVELOPER: ST. MICHAEL'S, POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION, 1125 ST. MICHAEL'S ROAD, POPLAR SPRINGS, MD, 21771			
DMW Daft - McCune - Walker, Inc. A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals 200 East Pennsylvania Avenue, Towson, Maryland 21286 410 296 3333 Fax 296 4705			
SUBDIVISION NAME	SECTION AREA	DATE	200
PLAT OR INSTRUMENT NO.	ZONE	TAXMAP NO.	ELECT. DISTRICT
395/028	R-9	CD-DEO	4th
WATER CODE	*****	*****	6040.01
STORMWATER MANAGEMENT MD-378 SPECIFICATIONS			
Drn By: KDE	Scale: AS SHOWN	Proj. No. 00143.BD	
Des By: MRT	Date: 3/11/02		
Chk By: WRD	Approved:	13 of 22	



APRIL 2024
 3/15/2022
 REVISE TRAILION TO 76'x30'
 ADD EX. SEPTIC, EX. GREASE INTERCEPTOR, AND
 PROP. 2,000 GALLON STORAGE TANK TO EX. SEPTIC

LIMIT OF DISTURBANCE: 20,000 SF / 0.459 AC ±

CHARLES A. STANCER
 SANDRA STANCER
 TAX MAP: 07 GRID: 03 PARCEL: 3285
 ACCOUNT NUMBER: 3285
 DEED: 568476
 USE: AGRICULTURAL
 ACREAGE: 35.49



APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Chief, Development Engineering Division 2/16/21
 Chief, Division of Land Development 5/11/23
 Director 5/15/23

DATE	NO.	REVISION DESCRIPTION
3/9/17	1	ADD NEW PAVILION, SIDEWALK, GRADING & SWM IMPROVEMENTS

**ST. MICHAEL'S
 ROMAN CATHOLIC CHURCH**

OWNER
 CARDINAL WILLIAM H. KEELER
 THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
 A CORPORATE SOLE
 320 CATHEDRAL STREET
 BALTIMORE, MD 21201

DEVELOPER
 ST. MICHAEL'S POPLAR SPRINGS
 ROMAN CATHOLIC CONGREGATION
 1125 ST. MICHAEL'S ROAD
 POPLAR SPRINGS, MD 21771



501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286
 P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM

**TITLE REVISED SITE DEVELOPMENT PLAN
 SITE AND GRADING PLAN**

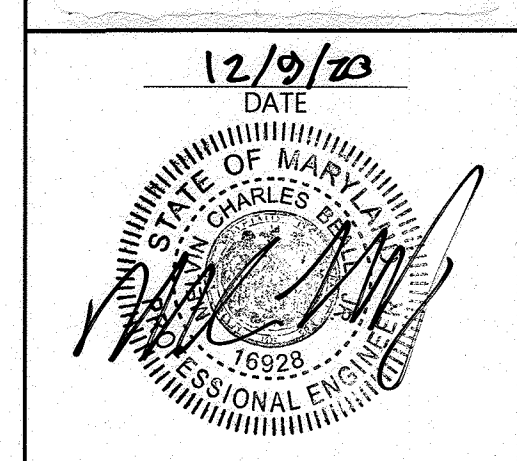
SUBDIVISION NAME	NA	SECT./AREA NA	LOT/PARCEL #
PLAT/ OR L/P	BLOCK#	ZONE	TAX/ZONE MAP
WATER CODE	RC-DEO	7	ELEC. DIST.
			41TH
			CENSUS TR.
			6040.01

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
260	1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797

DESIGNED: GDT	SCALE: AS SHOWN	PROJECT NO: 99143.00
DRAWN: GMD	DATE: 3/9/17	
CHECKED: MCB	APPROVED: PGC	14 OF 22

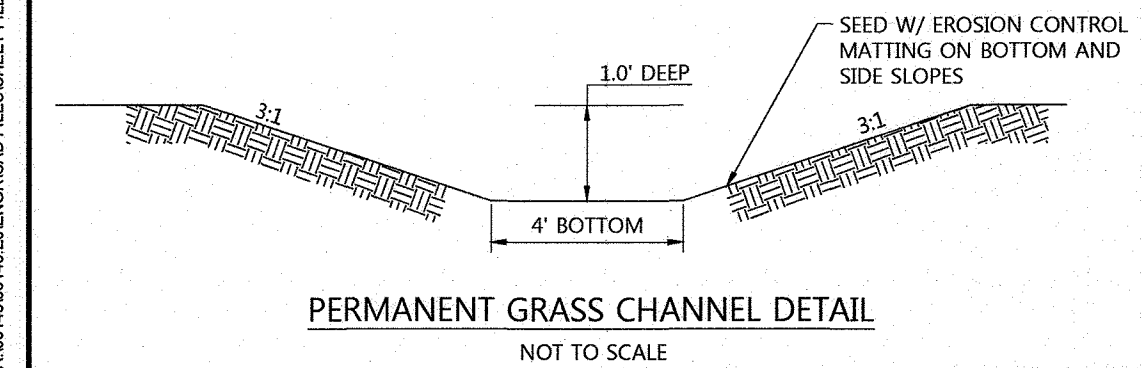
PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 16928, EXPIRATION DATE: 05-13-22.



PROFESSIONAL ENGR. NO. 16928
 SDP-02-47

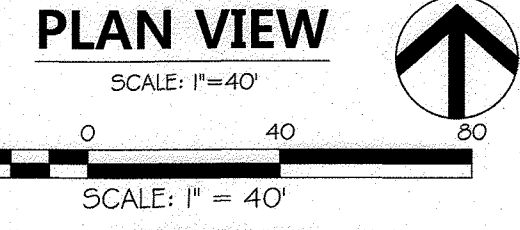
STORMWATER MANAGEMENT INFORMATION (NEW IMPROVEMENTS)

LOT/PARCEL NUMBER	FACILITY NAME # NUMBER	PRACTICE TYPE (QUANTITY)	PUBLIC	PRIVATE	HOA MAINTAINS	MISC.
260	SWM ESD #1, #2, #3 & #4	(M-5) DRY WELLS		✓	OWNER	
260	SWM ESD #5	(M-8) GRASS SWALE		✓	OWNER	
260	SWM ESD #6	(N-2) NON-ROOFTOP RUNOFF		✓	OWNER	

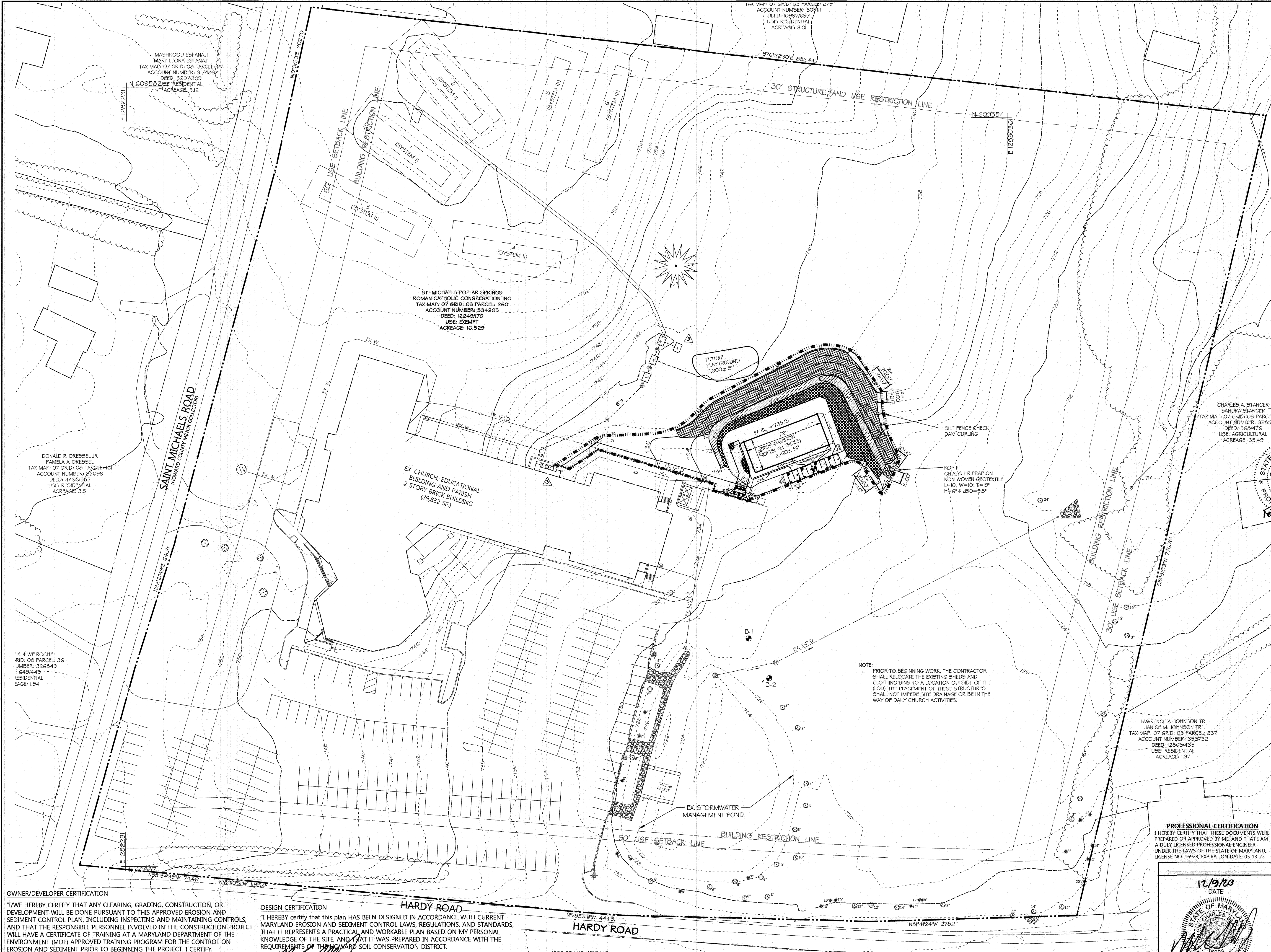


LEGEND

---	PROPERTY LINE	⊙	SOIL BORING
- - -	EX. CONTOURS	⊙	ACCESSIBLE ROUTE
---	EX. BUILDING		
---	EX. ROAD		
---	EX. TREELINE		
---	LIMIT OF DISTURBANCE		
---	PROP. CONTOURS		
---	PROP. SIDEWALK		
---	PROP. RECREATION		
---	PROP. STORM DRAIN		



A:\04\148914\ENGR\CADD\PLANS\SDP-02-47\RC CADD PLANS\SDP-02-47 R02 SHEET 14 - SUP. DWG. 12/02/2023 2:39 PM



LEGEND

---	PROPERTY LINE
- - -	EX. CONTOURS
- - -	EX. BUILDING
- - -	EX. ROAD
- - -	EX. TREELINE
- - -	LIMIT OF DISTURBANCE
- - -	PROP. CONTOURS
- - -	PROP. SIDEWALK
- - -	SILT FENCE
- - -	ROCK OUTLET PROTECTION
- - -	TEMPORARY CHANNEL MATTING
- - -	TEMPORARY CHANNEL MATTING
- - -	STABILIZED CONSTRUCTION ENTRANCE
○	SOIL BORING

3/9/17 **ADD EX. SEPTIC, EX. GREASE INTERCEPTOR, AND PROP. 2,000 GALLON STORAGE TANK TO EX. SEPTIC**

CHARLES A. STANCER
SANDRA STANCER
TAX MAP: 07 GRID: 03 PARCEL: 3205
ACCOUNT NUMBER: 3205
DEED: 568476
USE: AGRICULTURAL
ACREAGE: 35.49

STATE OF MARYLAND
PAUL M. SILL
PROFESSIONAL ENGINEER
No. 32225
Exp. 01/31/2025

APPROVED:	HOWARD COUNTY DEPT. OF PLANNING & ZONING
<i>John Clark</i>	2-16-21
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>John Sam</i>	5/11/23
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE
<i>Maury A. Kendall</i>	5/15/23
DIRECTOR	DATE

DATE	NO.	REVISION DESCRIPTION
3/9/17	1	ADD NEW PAVILION, SIDEWALK, GRADING & ASSOCIATED SEC

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER
CARDINAL WILLIAM H. KEELER
THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
A CORPORATE SOLE
320 CATHEDRAL STREET
BALTIMORE, MD 21201

DEVELOPER
ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION
1125 ST. MICHAEL'S ROAD
POPLAR SPRINGS, MD 21771

DW
DAFT MCCUNE WALKER INC

501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286
P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM

TITLE REVISED SITE DEVELOPMENT PLAN
SEDIMENT & EROSION CONTROL PLAN

SUBDIVISION NAME	NA	SECT./AREA	NA	LOT/PARCEL #	260
PLAT OR L/F	2/3/26	BLOCK	8, 9	ZONE	RC-DEO
TAX/ZONE MAP	7	ELEC. DIST.	41T1	CENSUS TR.	6040.01
WATER CODE	***	SEWER CODE	*****		

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
260	1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797

DESIGNED:	GDT	SCALE:	A5 SHOWN	PROJECT NO.:	99143.00
DRAWN:	GMO	DATE:	3/9/17		
CHECKED:	MCB	APPROVED:	PGC		15 OF 22

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16928, EXPIRATION DATE: 05-13-22.

12/9/20
DATE

Alexander Brachic
PROFESSIONAL ENGINEER
No. 16928
Exp. 05/13/22

NOTE:
1. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL RELOCATE THE EXISTING SHEDS AND CLOTHING BINS TO A LOCATION OUTSIDE OF THE (LOD). THE PLACEMENT OF THESE STRUCTURES SHALL NOT IMPIDE SITE DRAINAGE OR BE IN THE WAY OF DAILY CHURCH ACTIVITIES.

SEDIMENT & EROSION CONTROL PLAN

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

Alexander Brachic 01/06/2021
HOWARD SOIL CONSERVATION DISTRICT DATE

LIMIT OF DISTURBANCE: 20,000 SF / 0.459 AC±

SCALE: 1" = 40'

DESIGN CERTIFICATION
I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, AND THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Malvin C. Beatty Jr.
DESIGNER'S SIGNATURE
DATE: 12/9/20

16322
MD REGISTRATION NO.
P.E., R.L.S., OR R.L.A. (CIRCLE ONE)

OWNER/DEVELOPER CERTIFICATION
I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.

Rev. Michael J. Runne
OWNERS/DEVELOPER'S SIGNATURE
DATE: 01/06/2021

Rev. Michael J. Runne Pastor
PRINT NAME & TITLE

1/4" = 40' ROUGE
GRID: 08 PARCEL: 96
NUMBER: 326649
T: 6434443
RESIDENTIAL
PAGE: 194

DONALD R. DRESSLER JR.
FAMELA A. DRESSLER
TAX MAP: 07 GRID: 08 PARCEL: 161
ACCOUNT NUMBER: 26099
DEED: 4496562
USE: RESIDENTIAL
ACREAGE: 3.51

MASHOOD ESFANAJI
MARY LEONA ESFANAJI
TAX MAP: 07 GRID: 08 PARCEL: 27
ACCOUNT NUMBER: 317485
DEED: 5397309
USE: RESIDENTIAL
ACREAGE: 5.12

ST. MICHAEL'S POPLAR SPRINGS
ROMAN CATHOLIC CONGREGATION INC
TAX MAP: 07 GRID: 03 PARCEL: 260
ACCOUNT NUMBER: 334205
DEED: 1224970
USE: EXEMPT
ACREAGE: 16.529

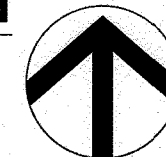
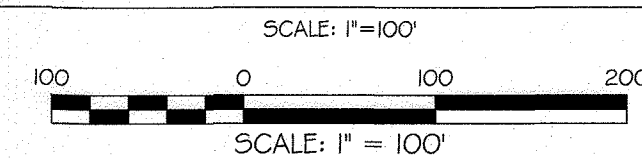
EX. CHURCH, EDUCATIONAL
BUILDING AND PARISH
2 STORY BRICK BUILDING
(39,832 SF)

LAWRENCE A. JOHNSON TR.
JANICE M. JOHNSON TR.
TAX MAP: 07 GRID: 03 PARCEL: 257
ACCOUNT NUMBER: 358792
DEED: 12203435
USE: RESIDENTIAL
ACREAGE: 1.37

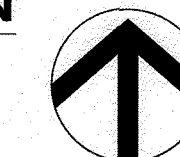
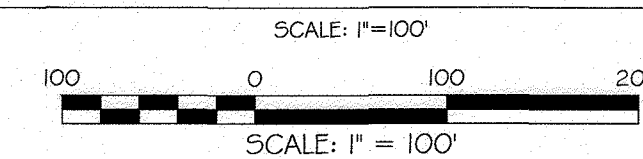
A:\99143\99143\EROSION\FILED\SDP-02-47.PDF CAD: PLAN\SDP-02-47.PDF SHEET: 16 - SDP.DWG 12/02/2020 2:40 PM



EXISTING CONDITIONS PLAN



PROPOSED CONDITIONS PLAN



LEGEND

---	PROPERTY LINE
---	EX. CONTOURS
---	EX. BUILDING
---	EX. TREELINE
---	EX. ROAD
---	LIMIT OF DISTURBANCE
---	PROP. CONTOURS
---	PROP. SIDEWALK
---	PROP. RECREATION
---	PROP. STORM DRAIN
---	DRAINAGE AREA LINE
SF	SILT FENCE
SFP	SUPER SILT FENCE
SFD	SILT FENCE DIVERSION
SIF	INLET PROTECTION
TAB	TEMPORARY ASPHALT BERM
ROP III	ROCK OUTLET PROTECTION
---	TEMPORARY CHANNEL MATTING
---	PERMANENT CHANNEL MATTING
---	SLOPE STABILIZATION
---	STABILIZED CONSTRUCTION ENTRANCE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

<i>[Signature]</i>	2/16/21
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	5/11/23
DIRECTOR, DIVISION OF LAND DEVELOPMENT	DATE
<i>[Signature]</i>	5/18/23
DIRECTOR	DATE

3/9/17 ADD NEW PAVILION, SIDEWALK, SEC DRAINAGE AREA

DATE	NO.	REVISION DESCRIPTION
------	-----	----------------------

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER
CARDINAL WILLIAM H. KEELER
THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
A CORPORATE SOLE
320 CATHEDRAL STREET
BALTIMORE, MD 21201

DEVELOPER
ST. MICHAEL'S POPLAR SPRINGS
ROMAN CATHOLIC CONGREGATION
1125 ST. MICHAEL'S ROAD
POPLAR SPRINGS, MD 21771

501 FAIRMOUNT AVENUE SUITE 300 TOWSON, MD 21286
P: 410.296.3333 F: 410.296.4705 WWW.DMW.COM

TITLE REVISED SITE DEVELOPMENT PLAN
SEDIMENT & EROSION CONTROL DRAINAGE AREA MAPS

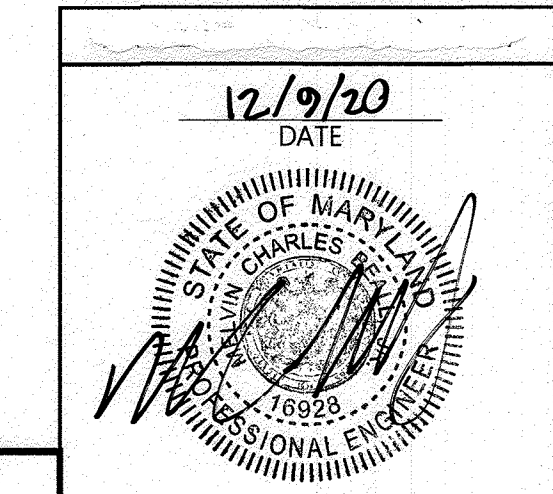
SUBDIVISION NAME	NA	SECT./AREA	NA	LOT/PARCEL #	260
PLAT OR L/P	293/26	BLOCK#	B, 9	ZONE	RC-DEO
TAX/ZONE MAP	7	ELEC. DIST.	4TH	CENSUS TR.	6040.01
WATER CODE	****	SEWER CODE	*****		

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
260	1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797

DESIGNED: GDT SCALE: AS SHOWN PROJECT NO: 99143.E0
DRAWN: GMO DATE: 3/9/17
CHECKED: MCB APPROVED: PGC 16 OF 22

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16928, EXPIRATION DATE: 05-13-22.



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

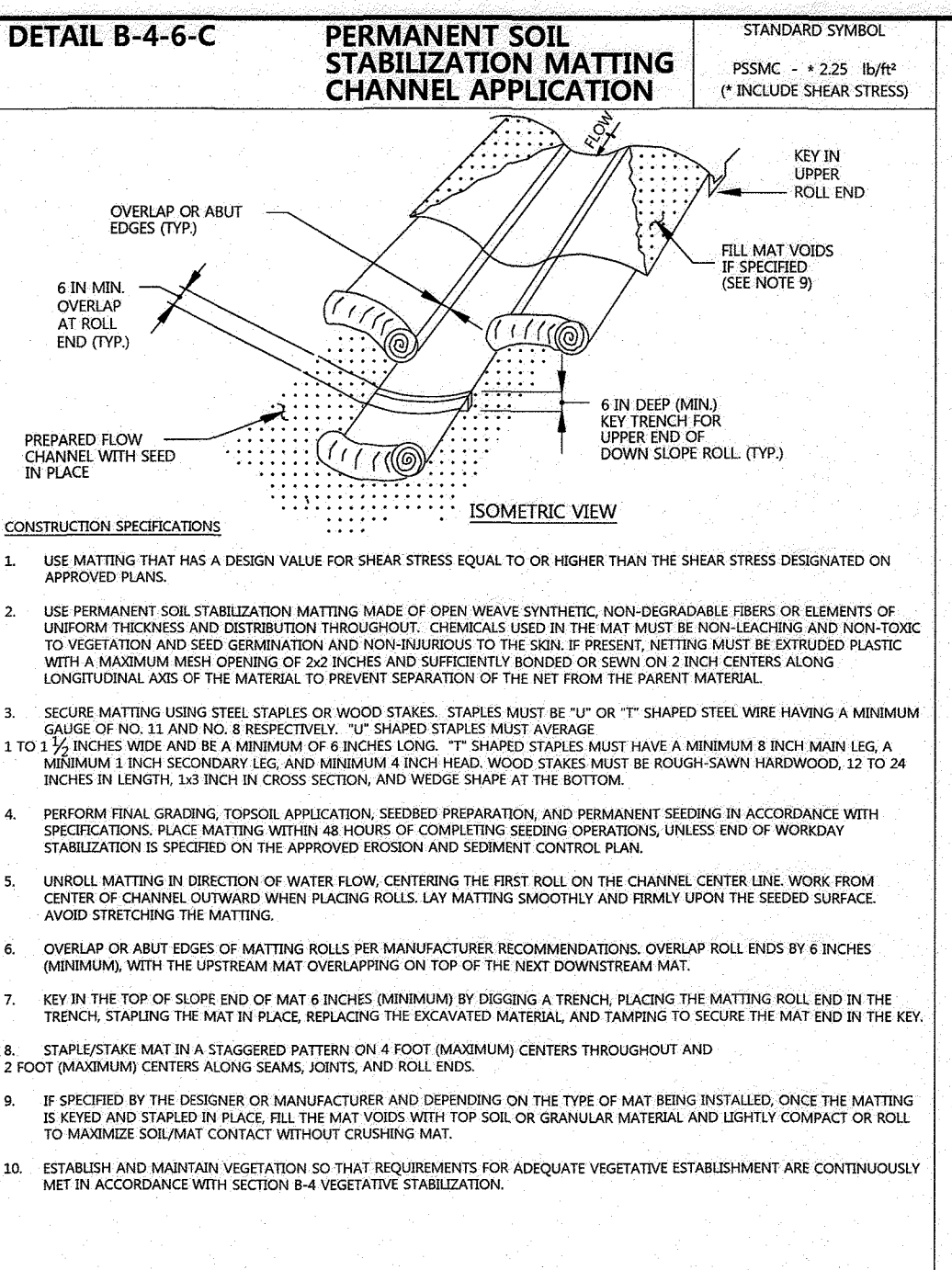
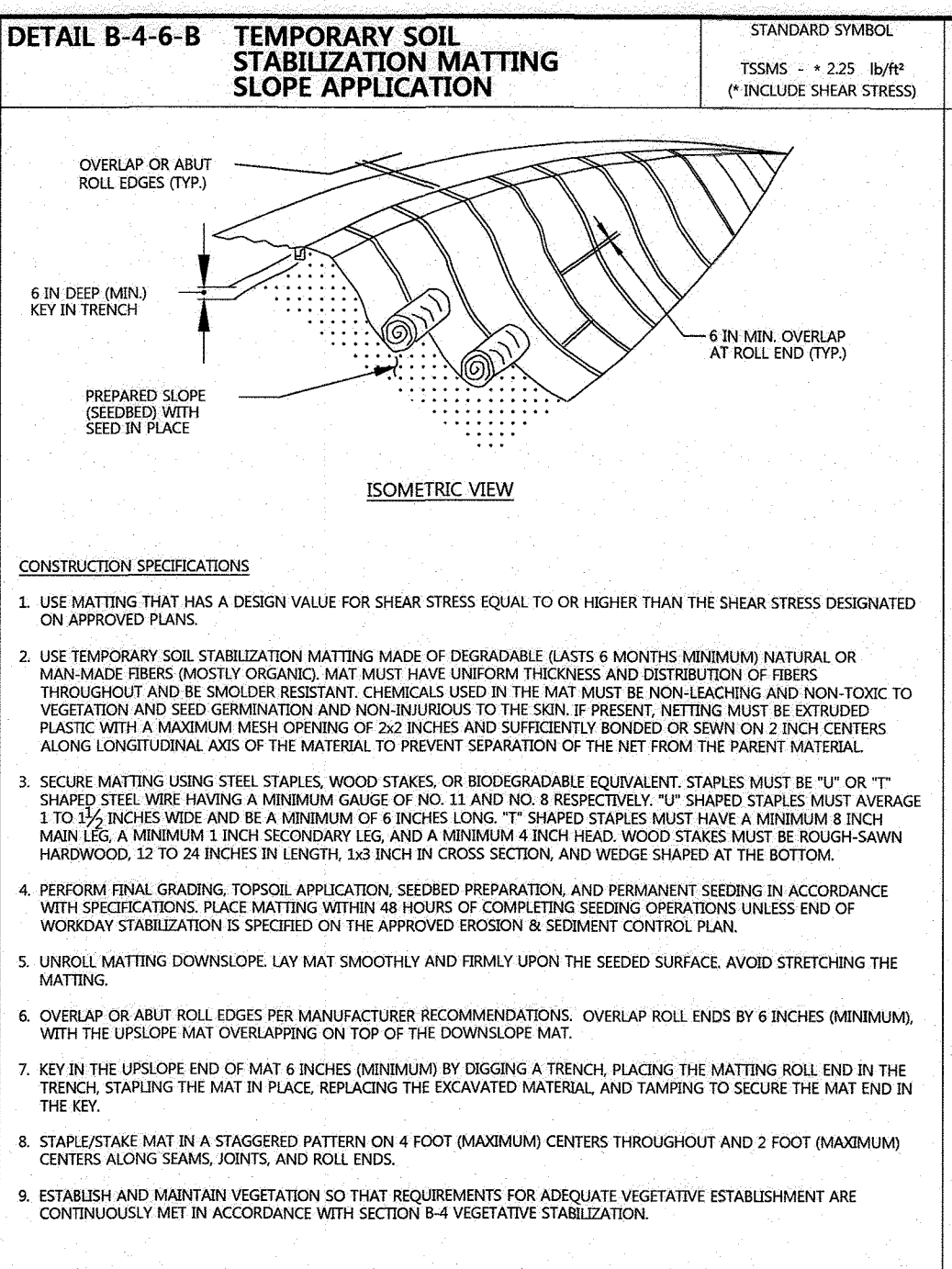
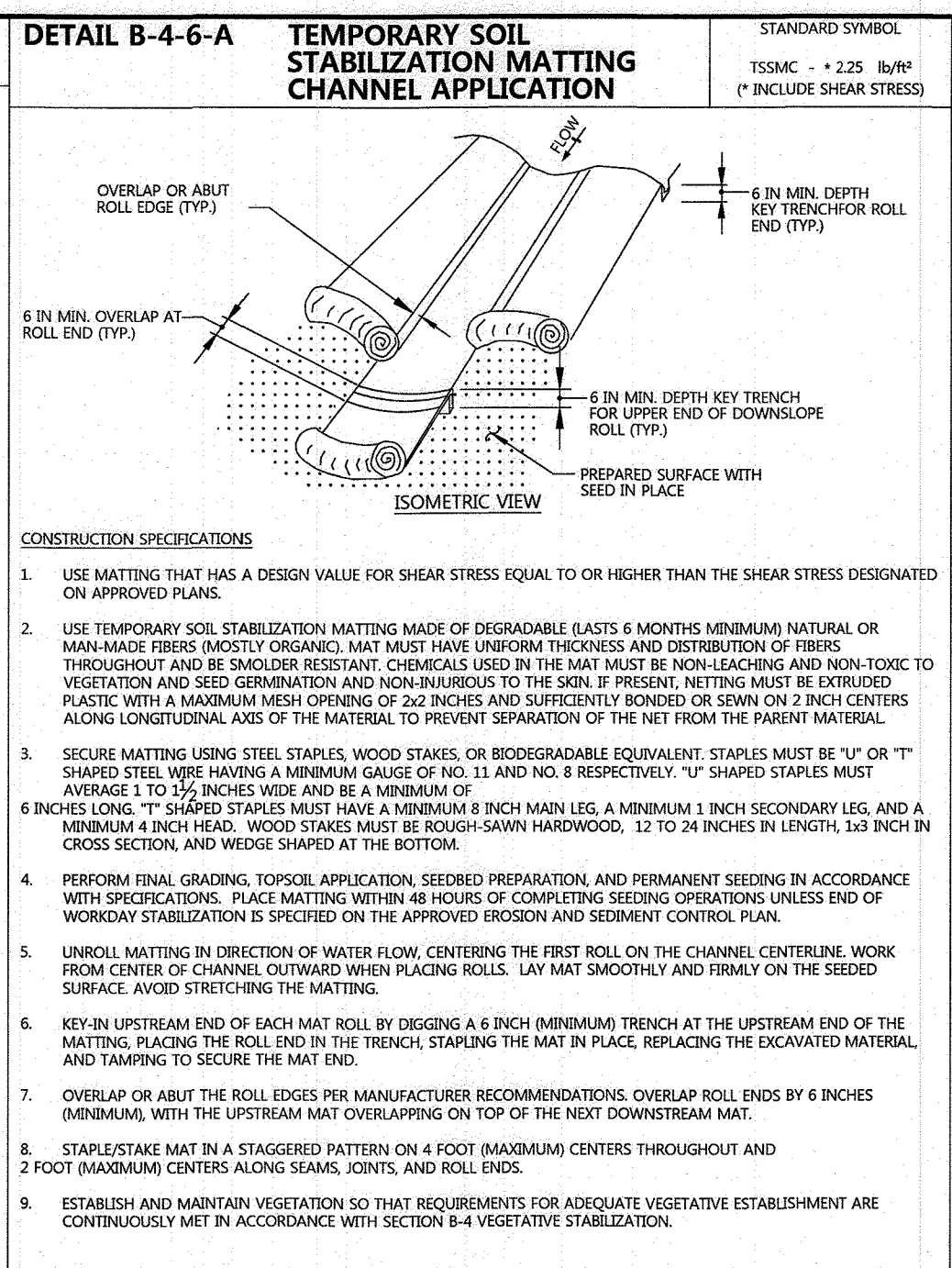
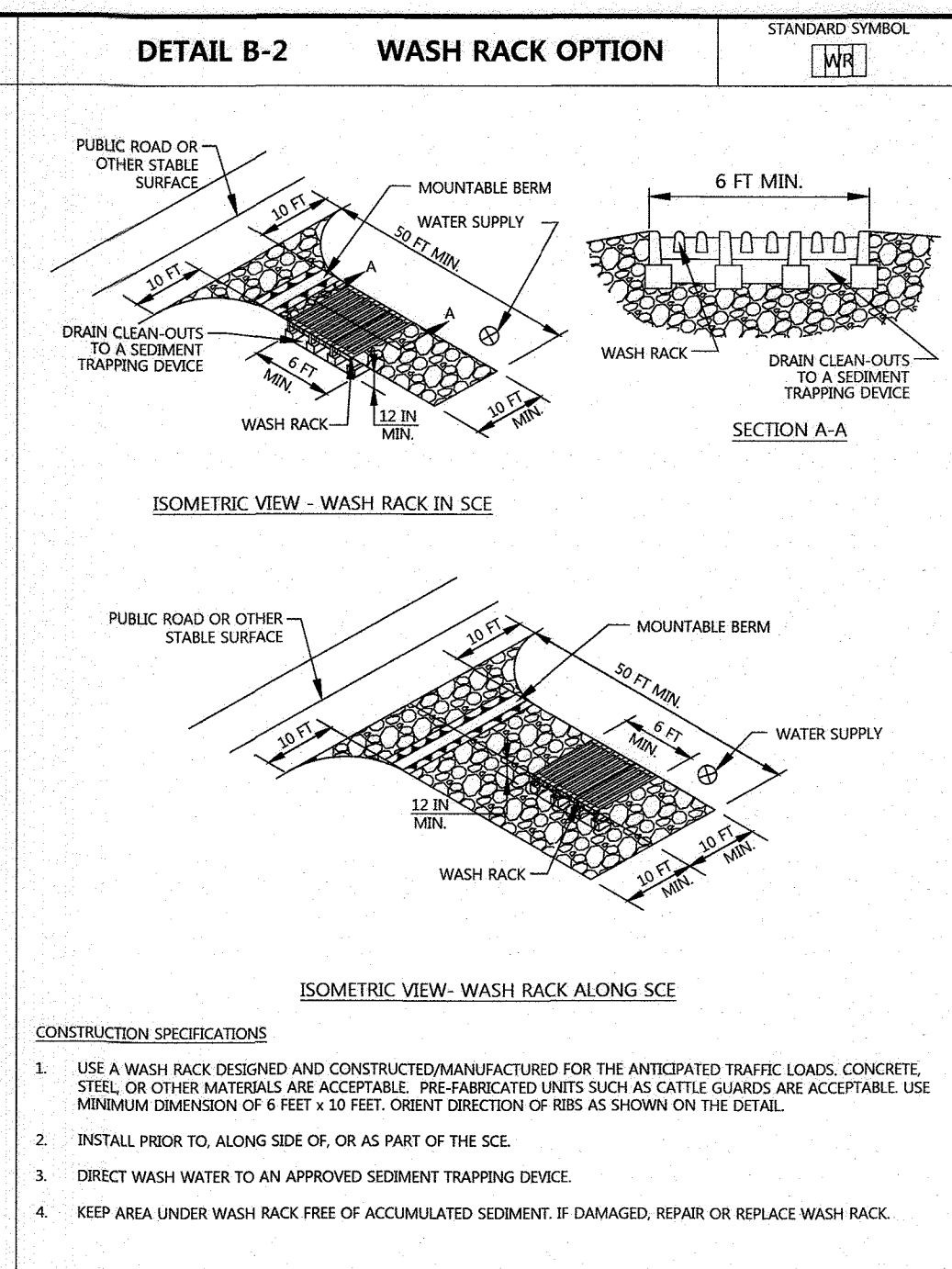
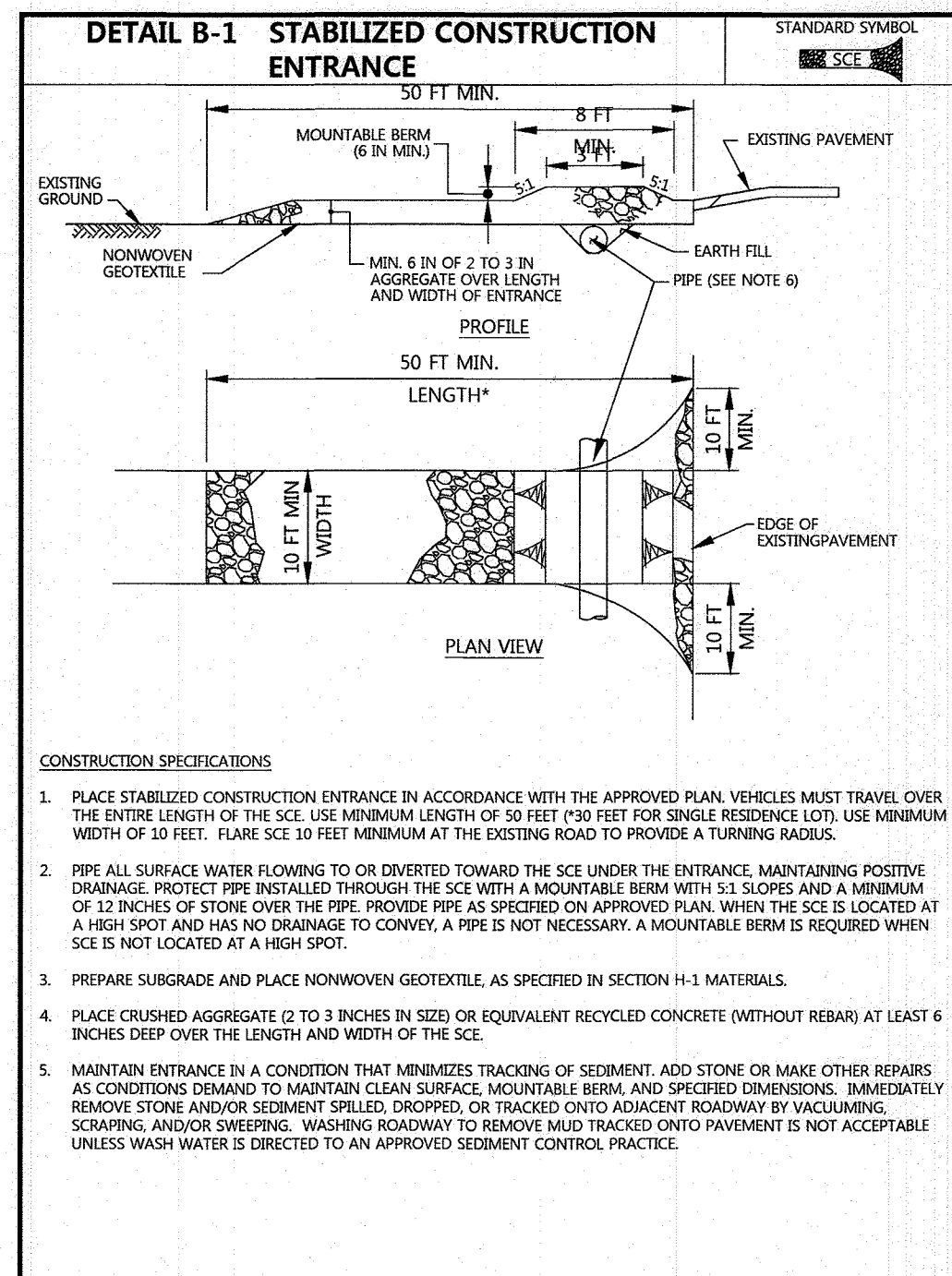
[Signature] 01/06/2021
HOWARD SOIL CONSERVATION DISTRICT DATE

PROFESSIONAL ENGR. NO. 16928

HYDROLOGIC SOIL GROUP - SUMMARY BY MAP UNIT - HOWARD COUNTY, MARYLAND

MAP UNIT SYMBOL	MAP UNIT NAME	HYDROLOGIC GROUP	K VALUE (Kw)
G9A	GLENELG LOAM, 0 TO 3 PERCENT SLOPES	B	0.26
G9B	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.26
G9C	GLENELG LOAM, 8 TO 15 PERCENT SLOPES	B	0.26
GmB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	C	0.43
GmD	BLENVILLE - BAILE SILT LOAMS, 0 TO 8 PERCENT SLOPES	C	0.43

USDA NATURAL RESOURCES CONSERVATION SERVICE
WEB SOIL SURVEY 2.0
NATIONAL COOPERATIVE SOIL SURVEY
11/26/2007
HOWARD COUNTY SOIL MAP #2



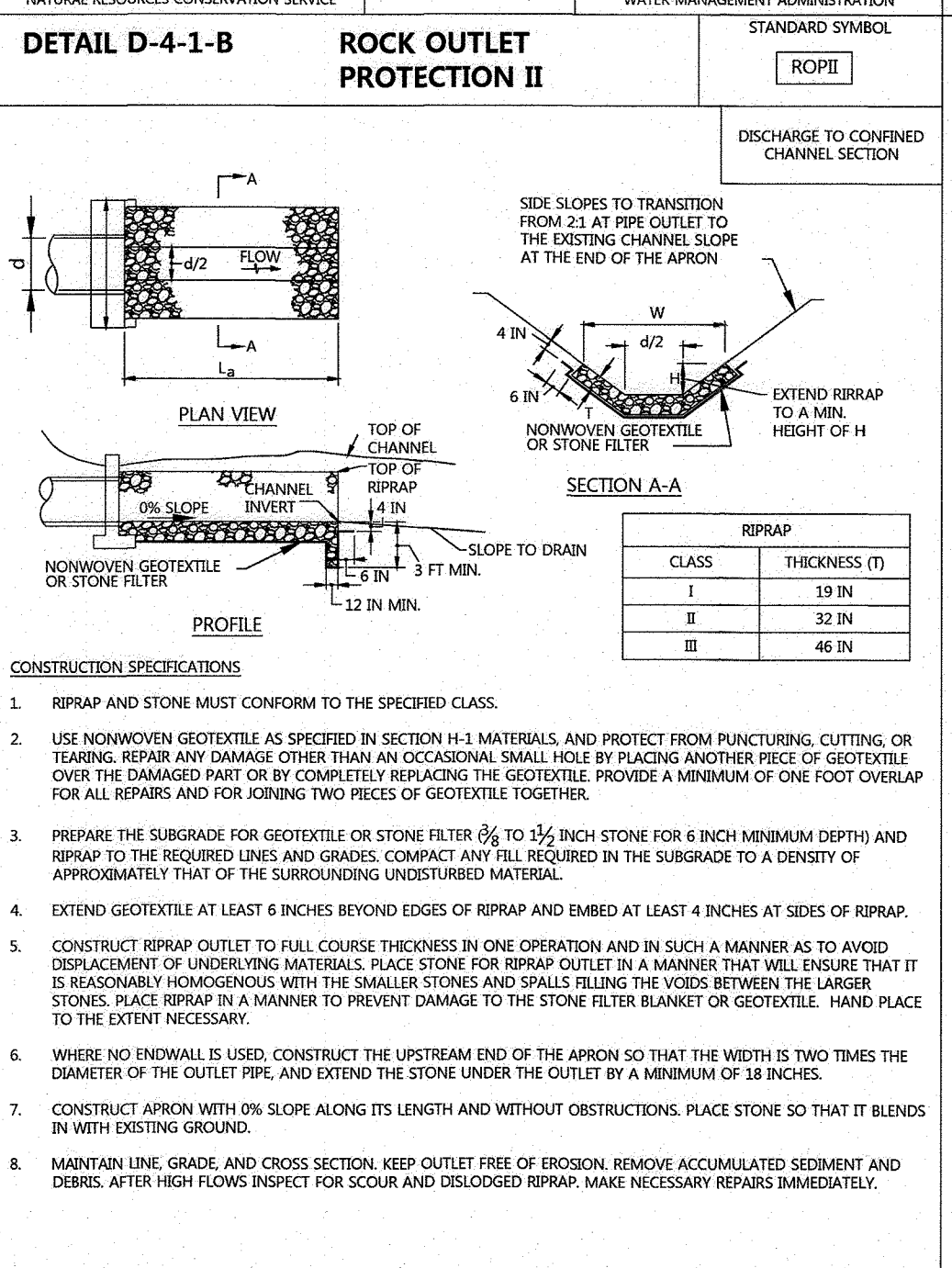
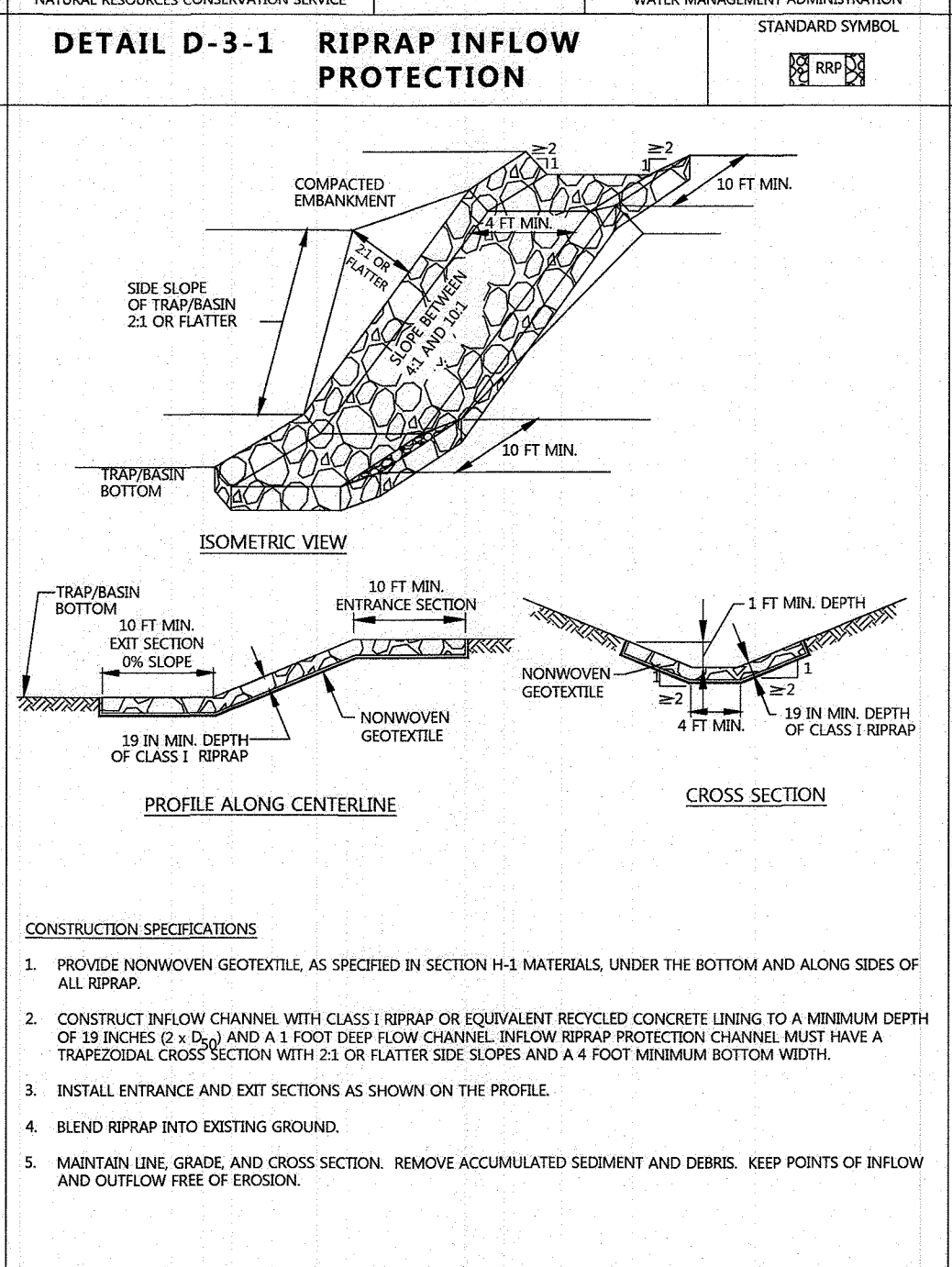
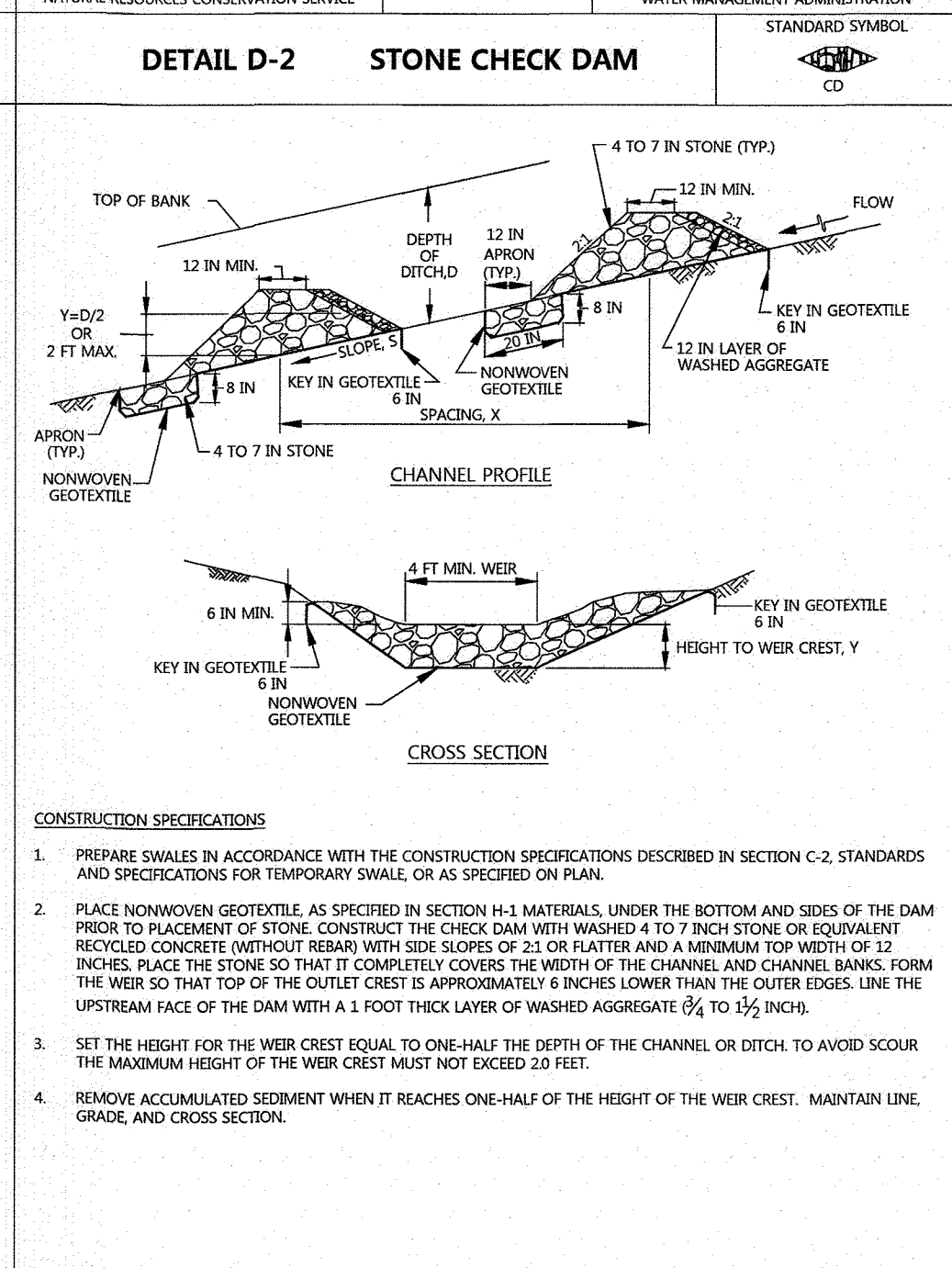
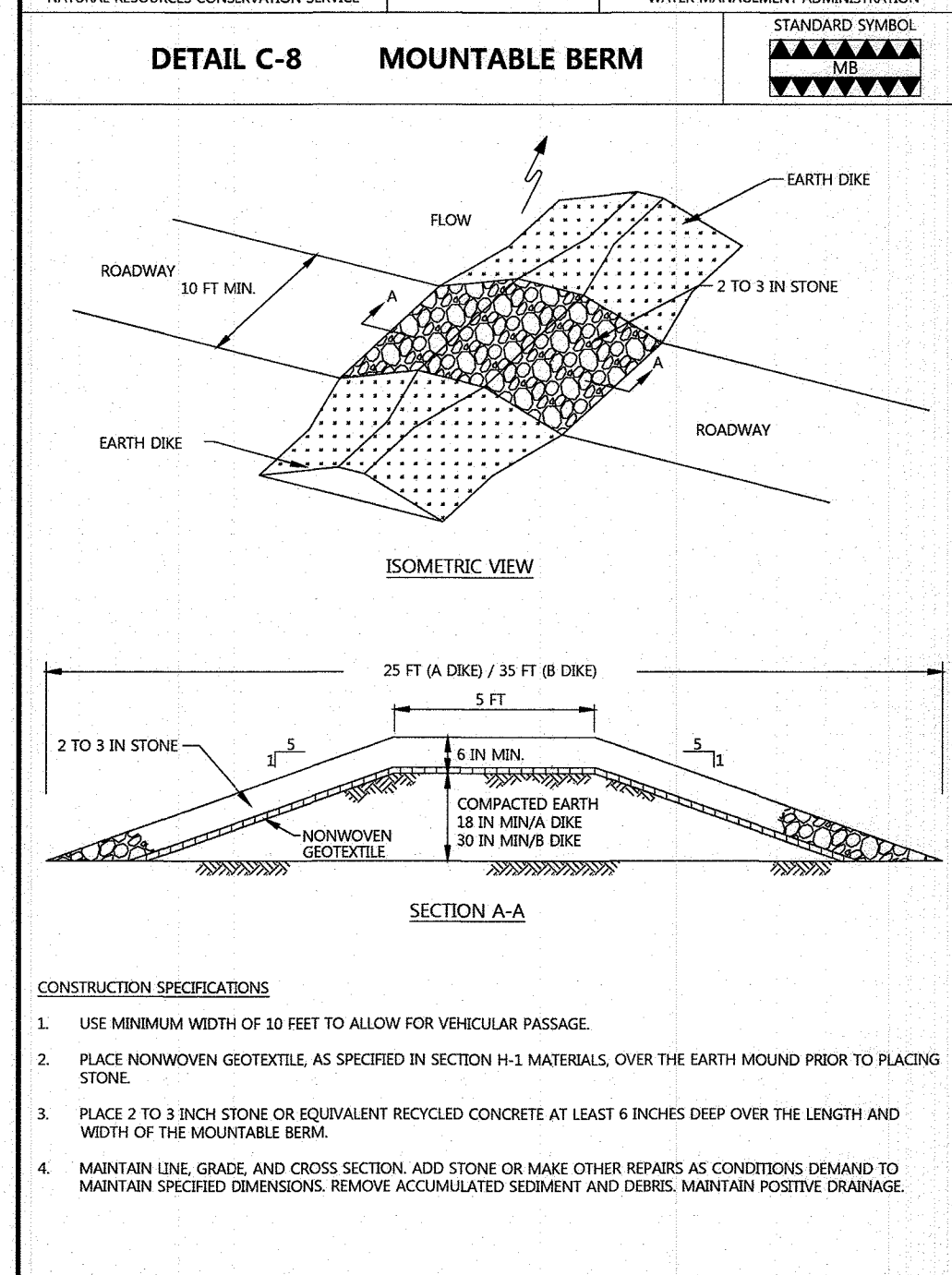
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



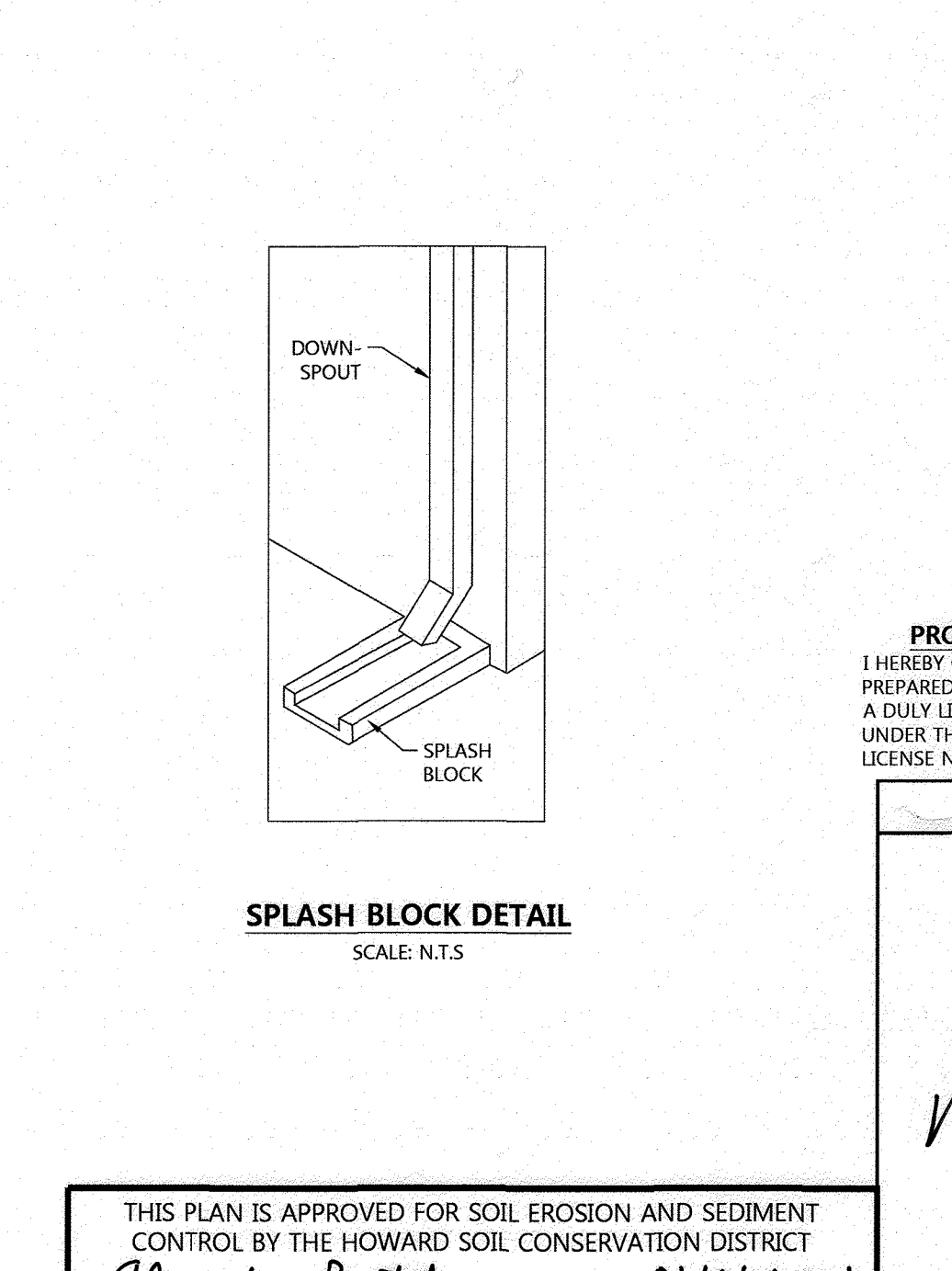
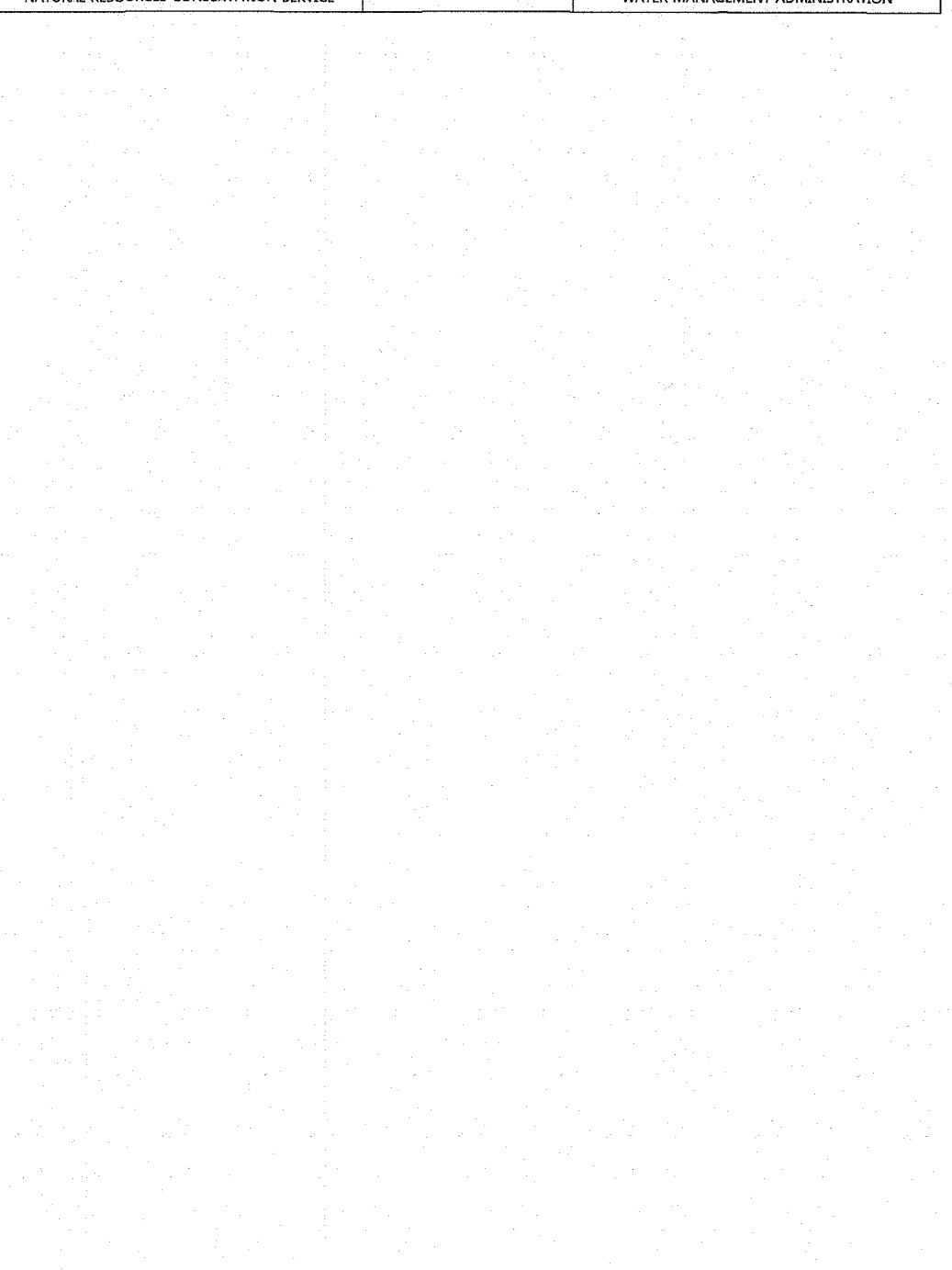
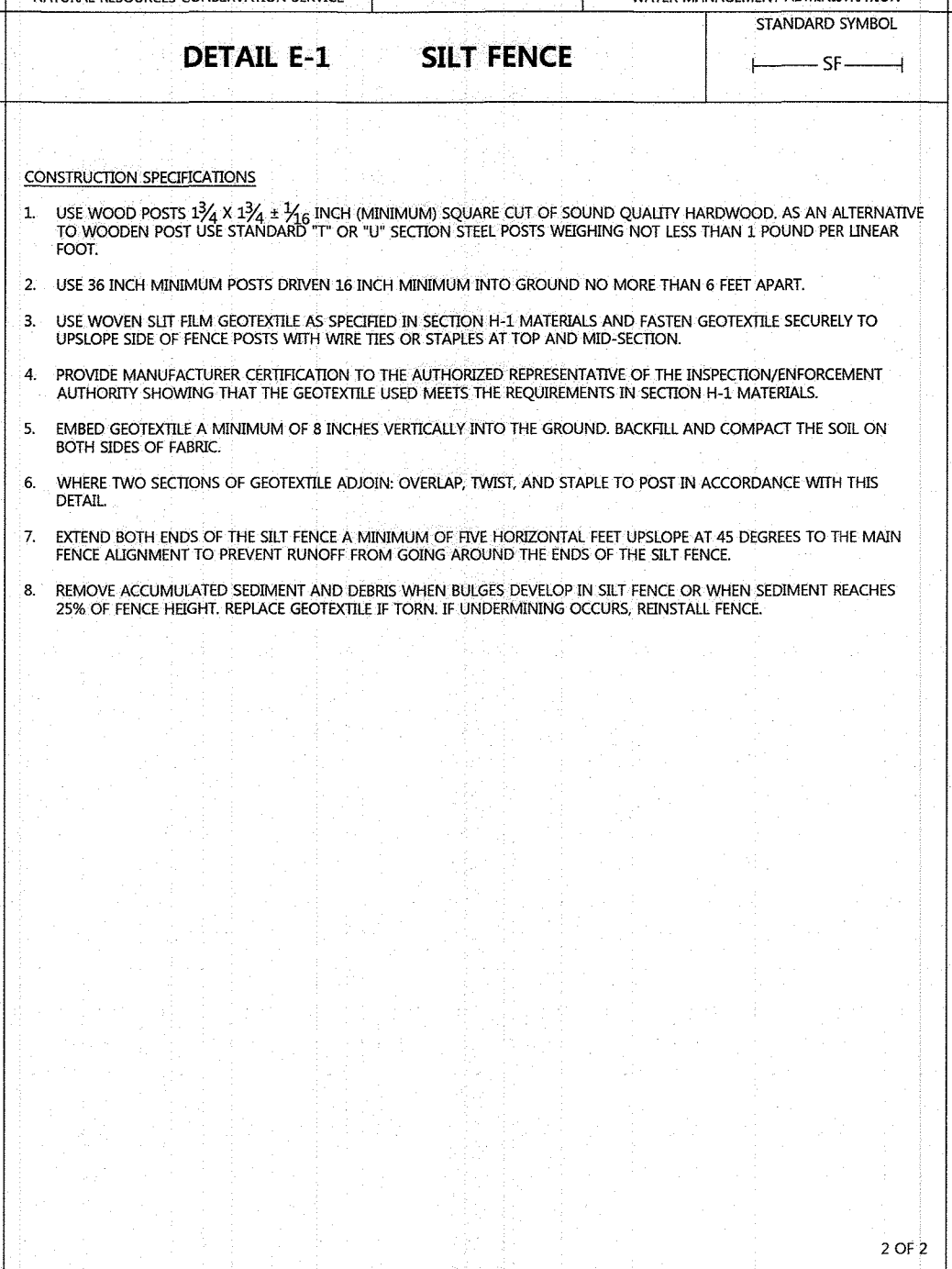
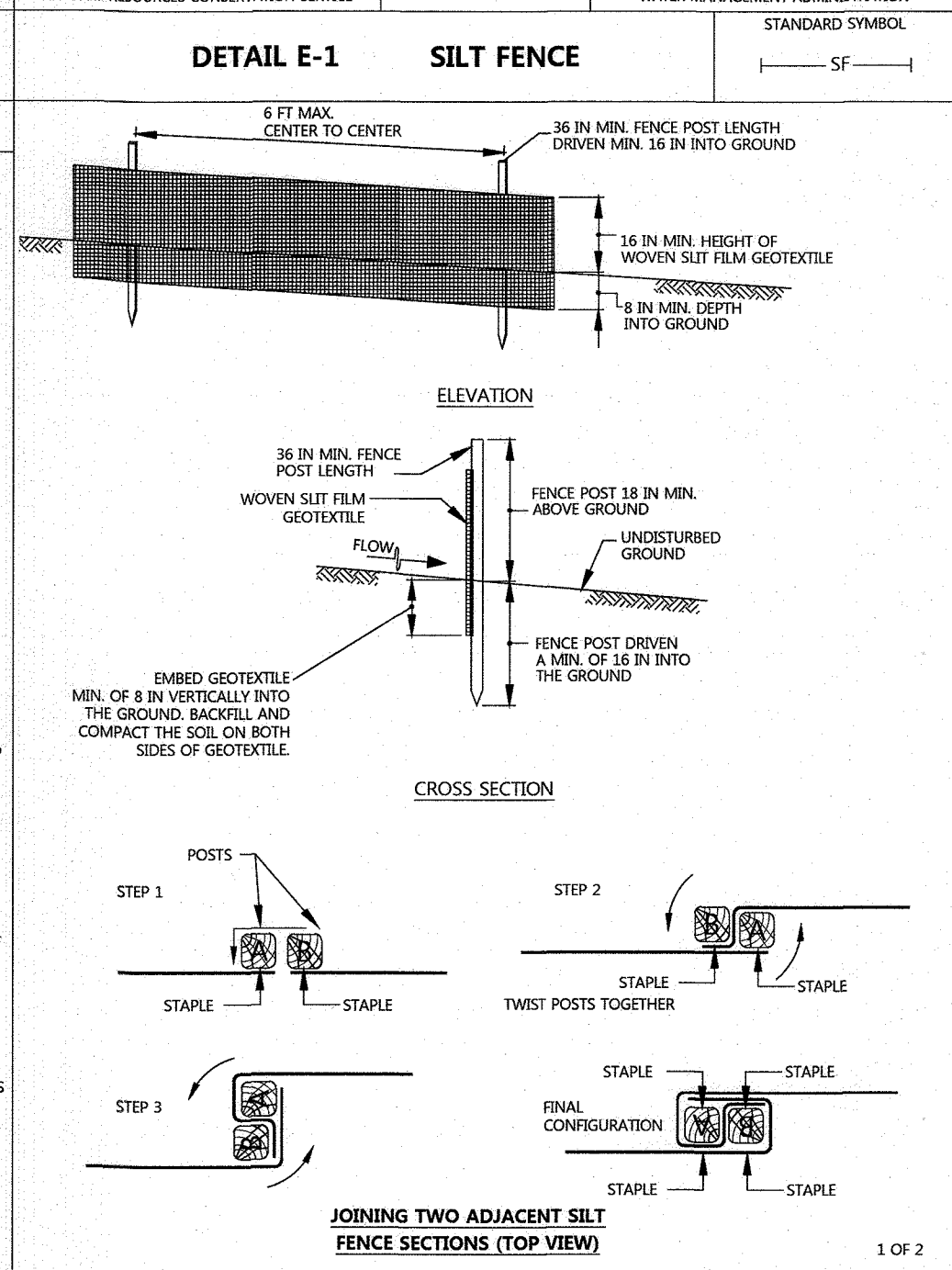
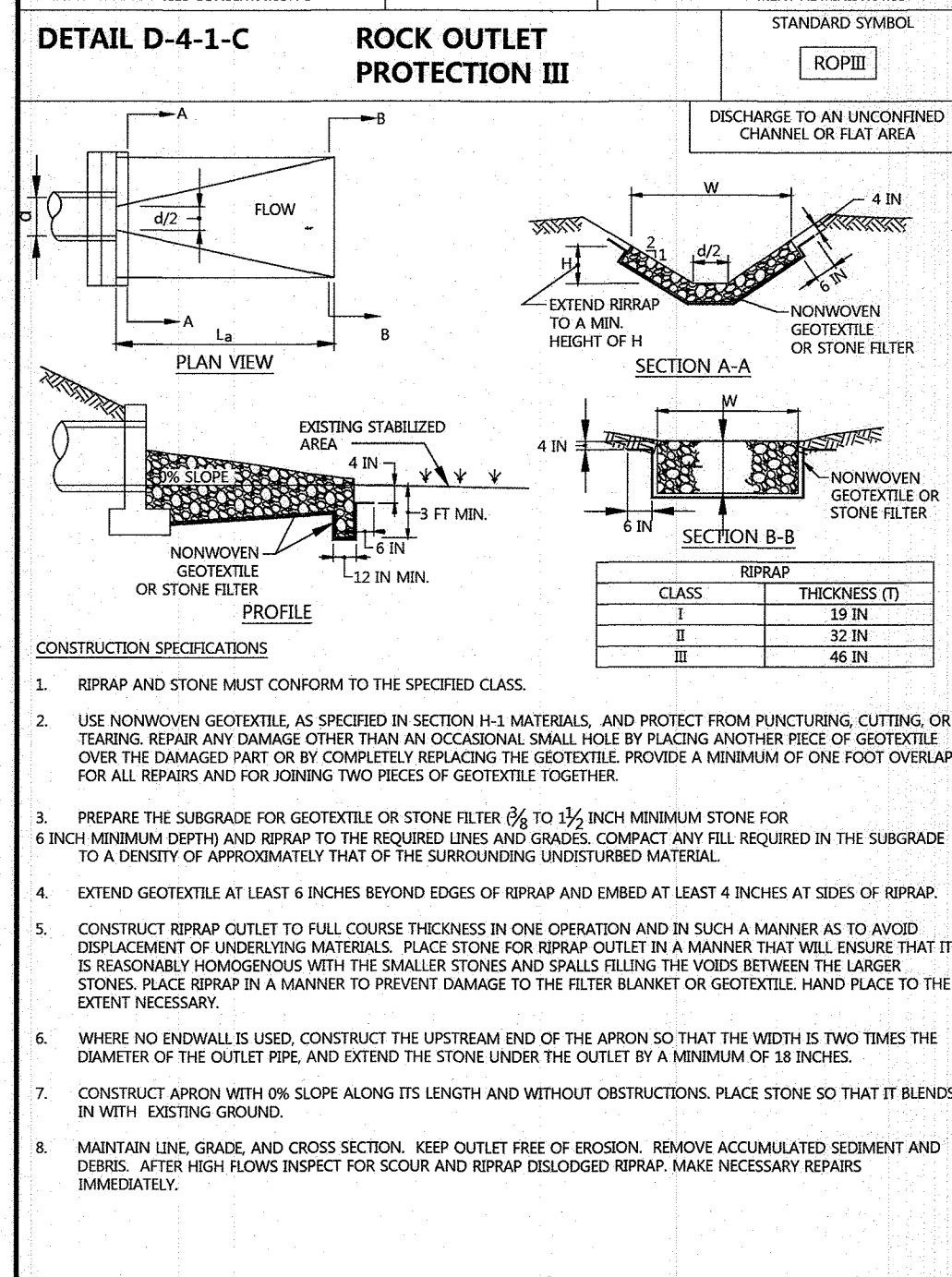
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Chief, Development Engineering Division
 Date: 2/11/21
 Chief, Division of Land Development
 Date: 5/11/23
 Director
 Date: 5/15/23

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER: CARDINAL WILLIAM H. KEELER, THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE, A CORPORATE SOLE, 320 CATHEDRAL STREET, BALTIMORE, MD 21201

DEVELOPER: ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION, 1125 ST. MICHAEL'S ROAD, POPLAR SPRINGS, MD 21771

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16928, EXPIRATION DATE: 05-13-22.

REVISIONS

DATE	NO.	REVISION DESCRIPTION
3/9/17	1	SEDIMENT & EROSION CONTROL MD 2011 DETAILS

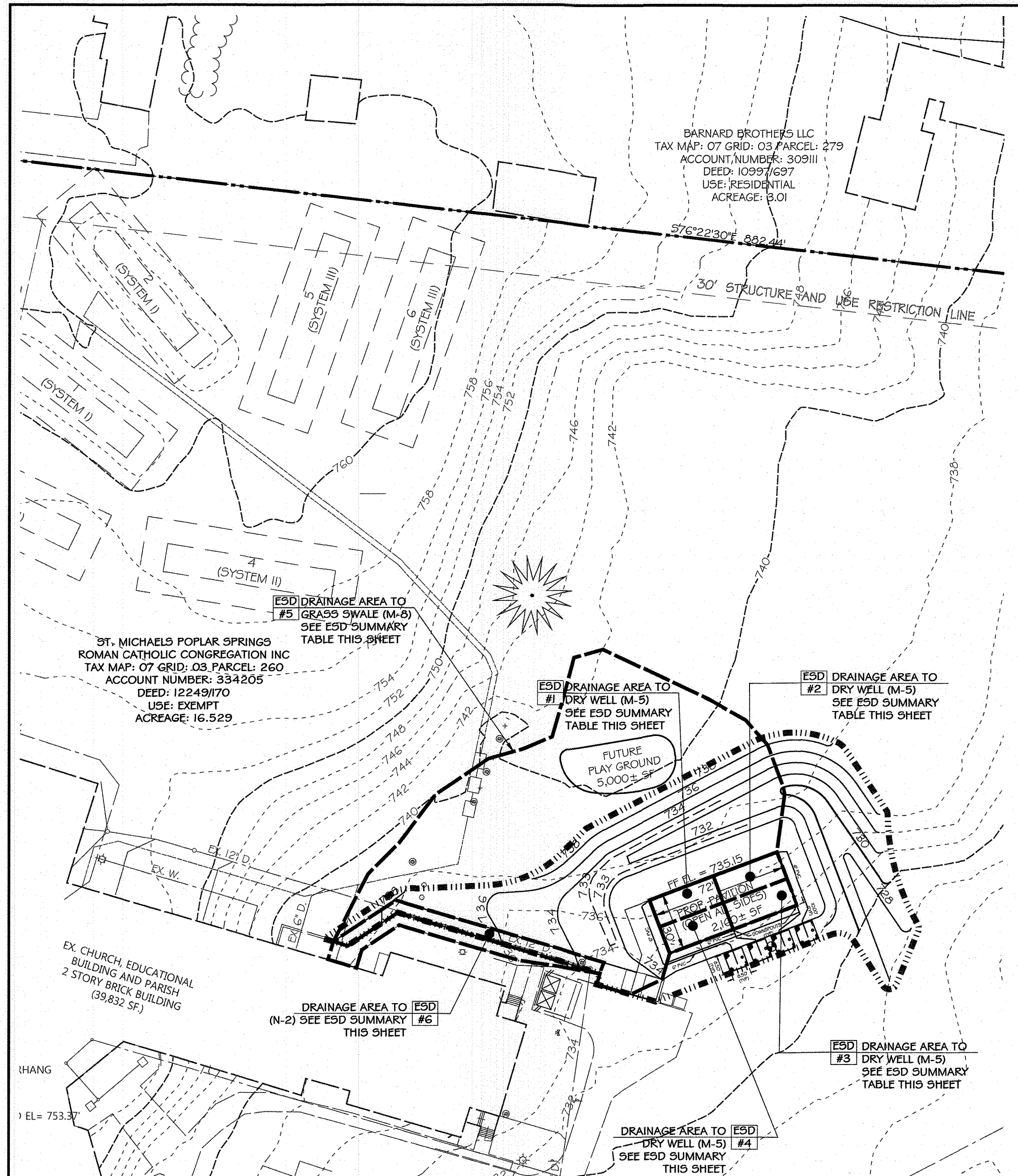
CONTROL DETAILS

SUBDIVISION NAME	NA	SECT./AREA NA	LOT/PARCEL # 260
PLAT OR L/F 293/26	BLOCK# 8, 9	ZONE RC-DEO	ELEC. DIST. 4111 CENSUS TR. 6040.01
WATER CODE	***	SEWER CODE	*****

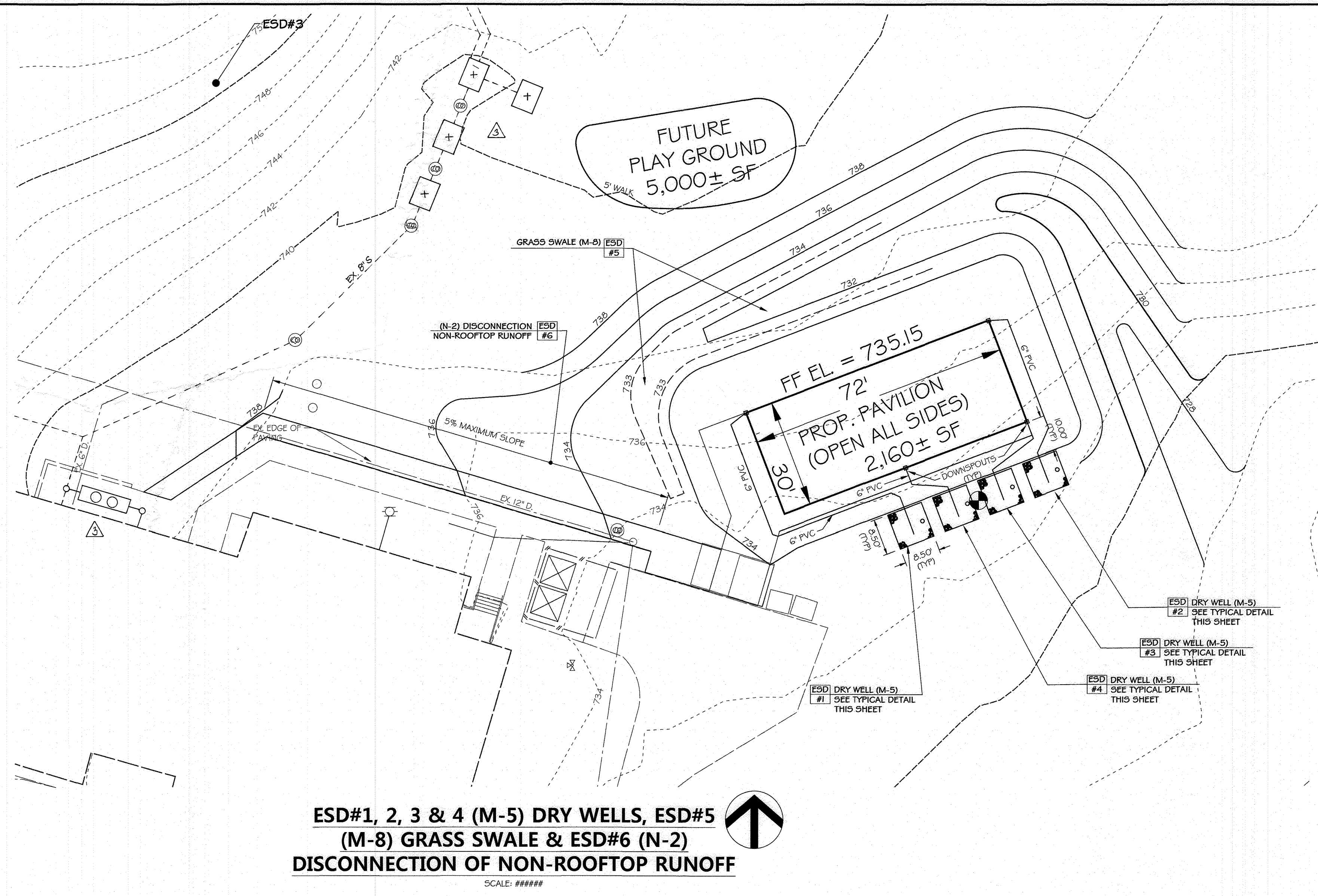
ADDRESS CHART

LOT NUMBER	STREET ADDRESS
260	1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797

DESIGNED: GDT SCALE: AS SHOWN PROJECT NO: 99143.E0
 DRAWN: GMO DATE: 3/9/17
 CHECKED: MCB APPROVED: PGC 17 OF 22

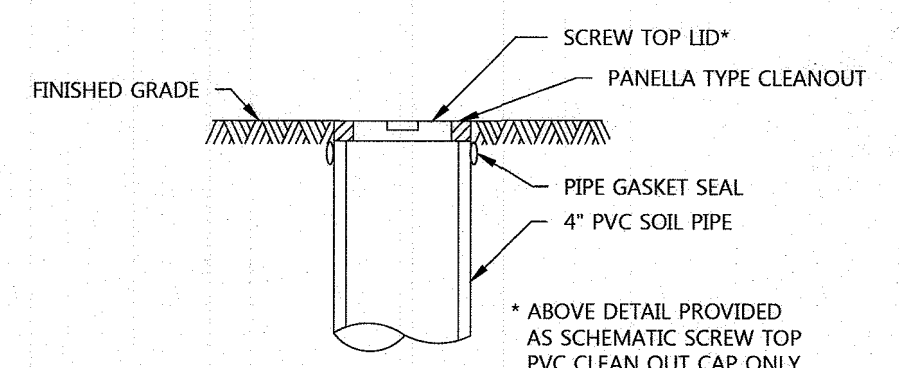


SWM DRAINAGE AREA MAP
SCALE: P=50'



ESD#1, 2, 3 & 4 (M-5) DRY WELLS, ESD#5 (M-8) GRASS SWALE & ESD#6 (N-2) DISCONNECTION OF NON-ROOFTOP RUNOFF

SCALE: #####



EACH CLEANOUT SHALL INCLUDE THE FOLLOWING:
 1. FOR AN UNDERGROUND FLUSH MOUNTED CLEANOUT, PROVIDE A TUBE MADE OF NON-CORROSIVE MATERIAL, SCHEDULE 40 OR EQUAL, AT LEAST 3-FEET LONG WITH AN INSIDE DIAMETER OF AT LEAST 4-INCHES.
 2. THE TUBE SHALL HAVE A FACTORY ATTACHED CAST IRON OR HIGH IMPACT PLASTIC COLLAR WITH RIBS TO PREVENT ROTATION WHEN REMOVING SCREW TOP LID. THE SCREW TOP LID SHALL BE CAST IRON OR HIGH IMPACT PLASTIC THAT WILL WITHSTAND ULTRA-VIOLET RAYS.
CLEAN OUT DETAIL
 NOT TO SCALE

LEGEND

---	PROPERTY LINE
---	EX. CONTOURS
---	EX. BUILDING
---	EX. ROAD
---	EX. TREE LINE
---	LIMIT OF DISTURBANCE
---	PROP. CONTOURS
---	PROP. SIDEWALK
---	PROP. RECREATION
---	PROP. STORM DRAIN
---	DRAINAGE AREA LINE
---	SOIL BORING

3/15/2022	ADD EX. SEPTIC, EX. GREASE INTERCEPTOR, AND PROP. 2,000 GALLON STORAGE TANK TO EX. SEPTIC
-----------	---

OPERATION AND MAINTENANCE SCHEDULE FOR (M-5) DRY WELLS, (M-8) GRASS SWALE & (N-2) DISCONNECTION OF NON-ROOFTOP RUNOFF

(M-5) DRY WELLS
 THE FOLLOWING ITEMS SHOULD BE ADDRESSED TO ENSURE PROPER MAINTENANCE AND LONG-TERM PERFORMANCE OF DRY WELLS:

1. DRY WELLS SHALL BE CLEANED AND INSPECTED AND CLEANED ANNUALLY. THIS INCLUDES PIPES, GUTTERS, DOWNSPOUTS AND LEVEL SPREADERS.
2. PONDING, STANDING WATER, OR ALGAL GROWTH ON THE TOP OF A DRY WELL MAY INDICATE FAILURE DUE TO SEDIMENTATION IN THE GRAVEL MEDIA. IF WATER PONDING FOR MORE THAN 48 HOURS AFTER A MAJOR STORM OR MORE THAN 6 INCHES OF SEDIMENT HAS ACCUMULATED, THE GRAVEL MEDIA SHOULD BE EXCAVATED AND REPLACED.

(M-8) GRASS SWALES
 THE FOLLOWING ITEMS SHOULD BE ADDRESSED TO ENSURE PROPER MAINTENANCE AND LONG-TERM PERFORMANCE OF GRASS CHANNELS:

1. REGULAR MOWING (AT LEAST BI-ANNUALLY) IS CRITICAL IN ORDER TO REDUCE COMPETITION FROM WEEDS AND IRRIGATION MAY BE NEEDED DURING DRY WEATHER TO ESTABLISH VEGETATION, SPARSELY VEGETATED AREAS NEED TO BE RE-SEED TO MAINTAIN DENSE COVERAGE.
2. IF WATER DOES NOT DRAIN WITHIN 24 HOURS, THE BOTTOM SOIL SHOULD BE TILLED AND REVEGETATED.
3. INSPECTIONS SHOULD BE PERFORMED ONCE A YEAR TO ASSESS SLOPE INTEGRITY, VEGETATED HEALTH, SOIL STABILITY, COMPACTION, EROSION, PONDING, AND SEDIMENTATION. PERIODIC REMOVAL OF SEDIMENT, LITTER, OR OBSTRUCTIONS SHOULD BE DONE AS NEEDED. ERODED SIDE SLOPES AND THE CHANNEL BOTTOM SHOULD BE REPAIRED AND STABILIZED WHEN NEEDED.

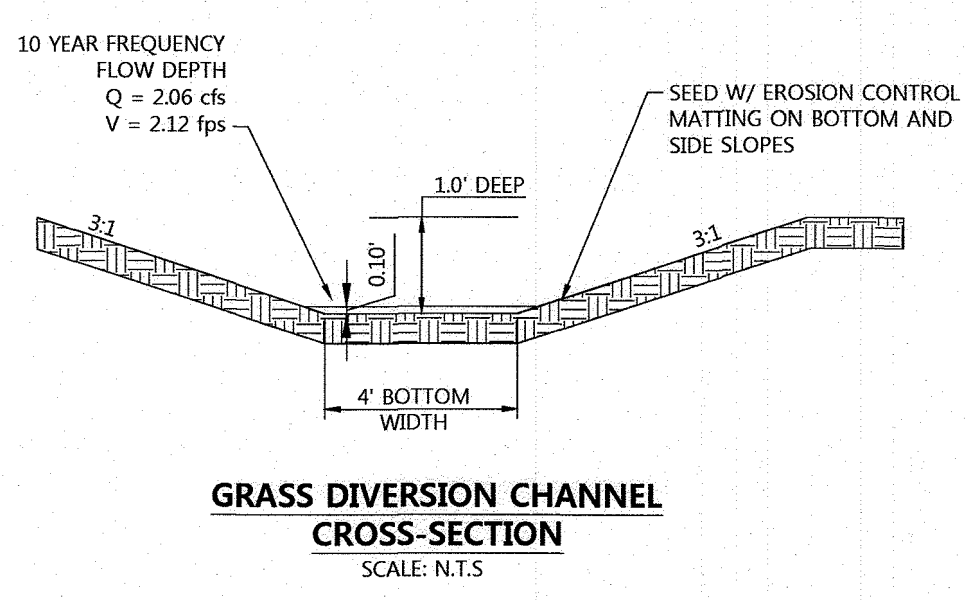
(N-2) DISCONNECTION OF NON-ROOFTOP RUNOFF
 MAINTENANCE OF AREAS RECEIVING DISCONNECTION RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPE AREAS. THE ARE RECEIVING RUNOFF SHALL BE PROTECTED FROM FUTURE COMPACTION. FOOT TRAFFIC SHALL BE DISCOURAGED.

ESD SUMMARY TABLE

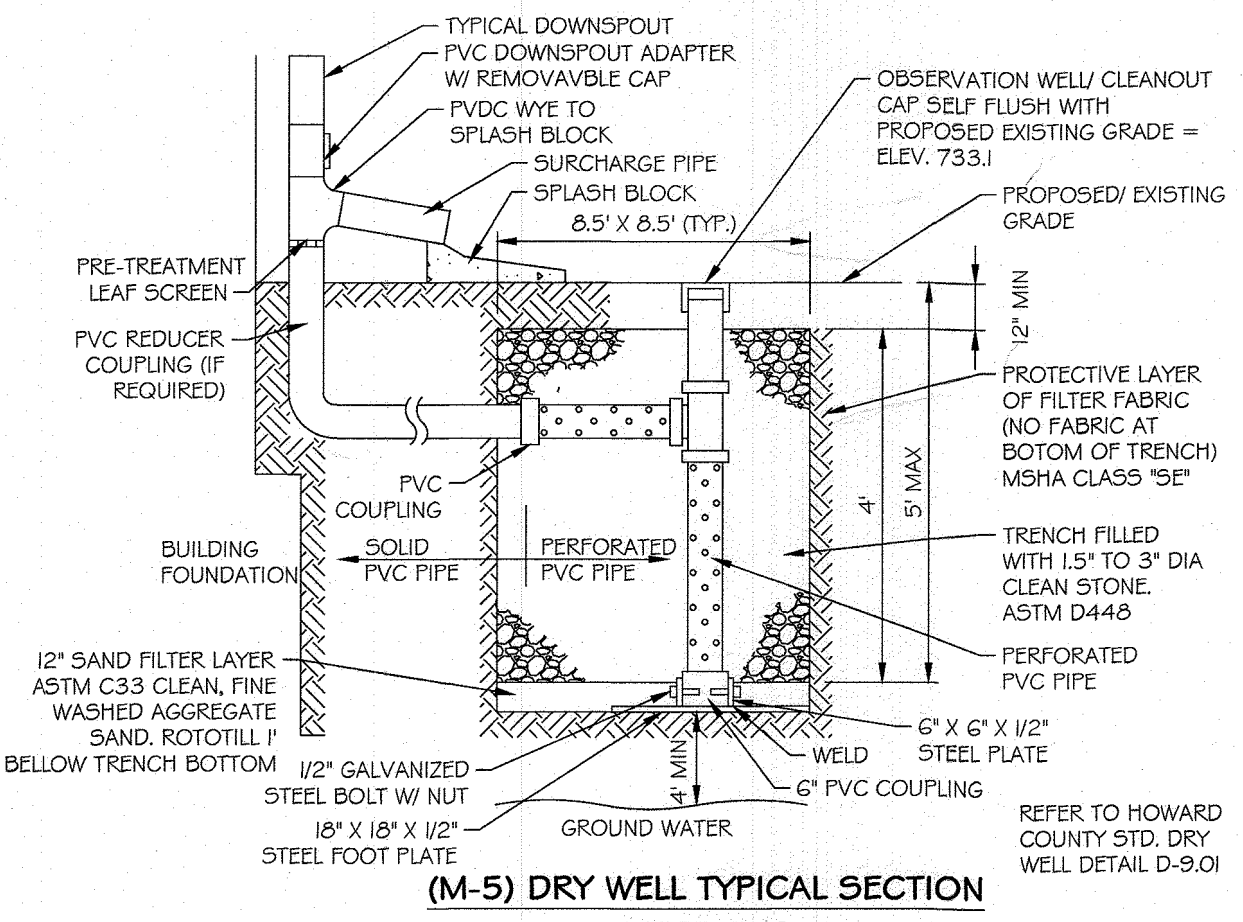
PRACTICE	DRAINAGE AREA (SF)	IMP. AREA TREATED (SF)	VOLUME (ESDv) PROVIDED (CF)
ESD #1 (M-5) DRY WELL FACILITY NO. 1	540	540	111
ESD #2 (M-5) DRY WELL FACILITY NO. 2	540	540	111
ESD #3 (M-5) DRY WELL FACILITY NO. 3	540	540	111
ESD #4 (M-5) DRY WELL FACILITY NO. 4	540	540	111
ESD #5 (M-8) GRASS SWALE	23,466	1,183	187
ESD #6 (N-2) DISCONNECTION NON-ROOFTOP RUNOFF	1,000	1,000	79
		100% TOTAL ESDv REQUIRED	655
		100% TOTAL ESDv PROVIDED	710

UNIFIED STORMWATER SIZING CRITERIA

SIZING CRITERIA	REQUIRED	PROVIDED
WATER QUALITY (WQv) (cft)		
RECHARGE VOLUME (Rev) (cft) = PROVIDED UNDER ESD #1	ESDv 655 cf	ESDv 710 cf
CHANNEL PROTECTION VOLUME (Cpv) (cft)		
OVERBANK FLOOD PROTECTION (Qp) (cft)	NA	NA
EXTREME FLOOD VOLUME (Qf) (cft)	NA	NA



GRASS DIVERSION CHANNEL CROSS-SECTION
SCALE: N.T.S.



(M-5) DRY WELL TYPICAL SECTION
NOT TO SCALE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

<i>[Signature]</i>	2-16-21
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>[Signature]</i>	5/11/23
CHIEF DIVISION OF LAND DEVELOPMENT	DATE
<i>[Signature]</i>	5/15/23
DIRECTOR	DATE

3/9/17 PROP. SWM ASSOCIATED WITH NEW PAVILION & SIDEWALK

DATE	NO.	REVISION DESCRIPTION
------	-----	----------------------

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER
 CARDINAL WILLIAM H. KEELER
 THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
 A CORPORATE SOLE
 320 CATHEDRAL STREET
 BALTIMORE, MD 21201

DEVELOPER
 ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION
 1125 ST. MICHAEL'S ROAD
 POPLAR SPRINGS, MD 21771

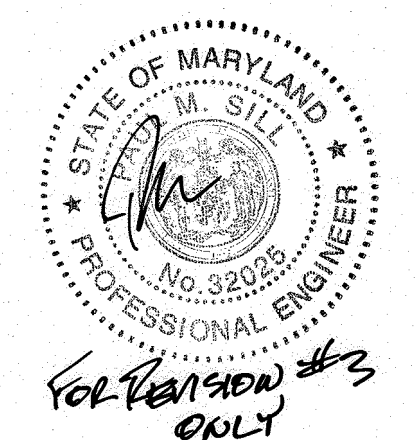


PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16928, EXPIRATION DATE: 05-13-22.

12/9/20
 DATE

[Signature]
 PROFESSIONAL ENGINEER

PROFESSIONAL ENGR. NO. 16928



TITLE REVISED SITE DEVELOPMENT PLAN
STORMWATER MANAGEMENT PLAN

SUBDIVISION NAME	NA	SECT./AREA	NA	LOT/PARCEL #	260
PLAT# OR L/P	295/26	BLOCK#	8, 9	ELEC. DIST.	4TH
WATER CODE	****	RC-DEO	7	CENSUS TR.	6040.01
		SEWER CODE	*****		

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
260	1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797

DESIGNED: GDT SCALE: AS SHOWN PROJECT NO: 99143.E0
 DRAWN: GMO DATE: 3/9/17
 CHECKED: MCB APPROVED: PGC 20 OF 22



GOALS AND OBJECTIVES

The goals and objectives of the Forest Conservation Plan (FCP) are to detail how Forest Conservation Act (FCA) is being addressed based on the limit-of-disturbance (LOD) for the proposed project based on the Howard County Department of Planning and Zoning Forest Conservation and the Limit of Disturbance policy dated September 15, 2006. This policy allows for FCA compliance to be limited to the LOD where it is depicted on the Site Development Plan as less than 40,000 square feet (sf). Such is the case for the current proposed improvements on the St. Michael's property for a pavilion totaling 20,000 sf of LOD, which is well below the 40,000 sf maximum. The Forest Conservation Worksheet (FCW) based on the LOD resulted in a 0.10 acre afforestation requirement that is to be satisfied off-site (Outside the LOD) yet on the property and within the required 75-foot Forest Conservation Easement. The Forest Conservation Easement is expanded beyond the 75-foot minimum where the existing forest is located on the northeastern portion of the property. It will include all the existing forested areas on the property that are adjacent to the nontidal wetlands and 50-foot stream buffer.

FCP NOTES

1. THIS SITE WAS CONDITIONALLY EXEMPT FROM FOREST CONSERVATION ORDINANCE WITH THE FILING OF DECLARATION OF INTENT IN ACCORDANCE WITH SECTION 16.202(B)(2)(II)(A), DEVELOPMENT OF AN EXISTING SINGLE LOT OF ANY SIZE IF THE TOTAL CUTTING, CLEARING OR GRADING IS LESS THAN 40,000 SF. REFER TO SDP-02-047.
2. ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
3. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, OR DISTURBANCE OF VEGETATION IN THE FCE, EXCEPT AS PERMITTED BY THE HOWARD COUNTY DPZ.
4. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED AS A FCE.
5. THE PROPOSED LOD FOR THE PROJECT IS NOT WITHIN CLOSE PROXIMITY OF THE FCE LIMITS AND THEREFORE NO TEMPORARY FENCING SHALL BE REQUIRED AT THIS TIME.
6. PERMANENT PROTECTIVE SIGNAGE WILL BE POSTED AT 50-100 FOOT INTERVALS ALONG ALL FCE LIMITS AS SHOWN ON THIS PLAN.
7. THE FCA OBLIGATION IS BASED ON THE PROPOSED LOD FOR THIS PROJECT AND NOT THE ENTIRE PROPERTY. THE FCA REQUIREMENTS FOR THIS PROJECT INCLUDES 0.10 AC OF AFFORESTATION THAT WILL BE SATISFIED WITHIN THE FCE AS DETAILED ON THIS PLAN.

DATA SOURCES

1. BOUNDARY AND TOPOGRAPHIC PROVIDED HEREON BY O'DONELL & LAWRENCE, INC. VIA ELECTRONIC TRANSFER ON JANUARY 7, 2000. DWM CONVERTED THIS TOPOGRAPHIC INFORMATION TO NAD 83.
2. NONTIDAL STREAM AND WETLAND LOCATIONS SHOWN HEREON ARE PER THE APPROVED DELINEATION BY DWM, INC. IN 2001 AND THE 2020 WETLAND VERIFICATION PROVIDED TO HOWARD COUNTY DPZ WITH THE SIMPLIFIED ECP SUBMITTAL.
3. SOIL SURVEY INFORMATION SHOWN HEREON IS BASED ON NRCS WEB SOIL SURVEY, VERSION II, 9/20/2016.

EXISTING FORESTED TO BE RETAINED
±42,165 SF / ±1.00 AC

PROPOSED LIMIT OF DISTURBANCE AREA
±20,000 SF / ±0.46 AC

PROPOSED AFFORESTATION PLANTING AREA
±5,850 SF / ±0.13 AC
(PLAT NO. 88124)

EXISTING SWM OUTFALL

FUTURE PAVILION 5,000 SF

EXISTING SEPTIC MOUNDS SYSTEM

EX CHURCH EDUCATIONAL BUILDING AND PARISH 2 STORY BRICK BUILDING (39,832 SF)

EX STORMWATER MANAGEMENT POND

GABION BASKET

EX STORMWATER MANAGEMENT POND

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 2/16/23
CHIEF, DEVELOPMENT ENGINEERING DIVISION & DATE

[Signature] 5/11/23
CHIEF, DIVISION OF LAND DEVELOPMENT & DATE

[Signature] 5/15/23
DIRECTOR & DATE

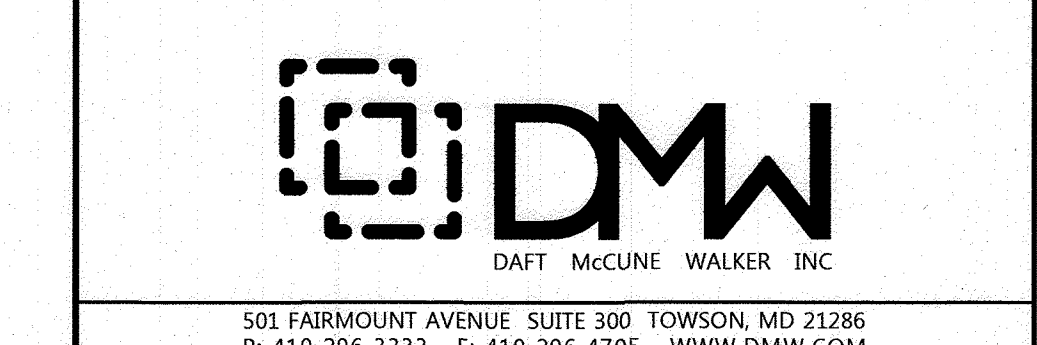
3/9/17 SHOW FOREST CONSERVATION ASSOC. W/ NEW PAVILION & WALK.

DATE	NO.	REVISION DESCRIPTION

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER
CARDINAL WILLIAM H. KEELER
THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
A CORPORATE SOLE
320 CATHEDRAL STREET
BALTIMORE, MD 21201

DEVELOPER
ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION
1125 ST. MICHAEL'S ROAD
POPLAR SPRINGS, MD 21771



TITLE
REVISED SITE DEVELOPMENT PLAN &
FOREST CONSERVATION PLAN

SUBDIVISION NAME	NA	SECT./AREA NA	LOT/PARCEL # 260
PLAT OR L/P	BLOCK# 8, 9	ZONE RC-DEO	TAX/ZONE MAP 7 ELCC. DIST. 4TH1 CENSUS TR. 6040.01
WATER CODE	****	SEWER CODE	*****

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
260	1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797

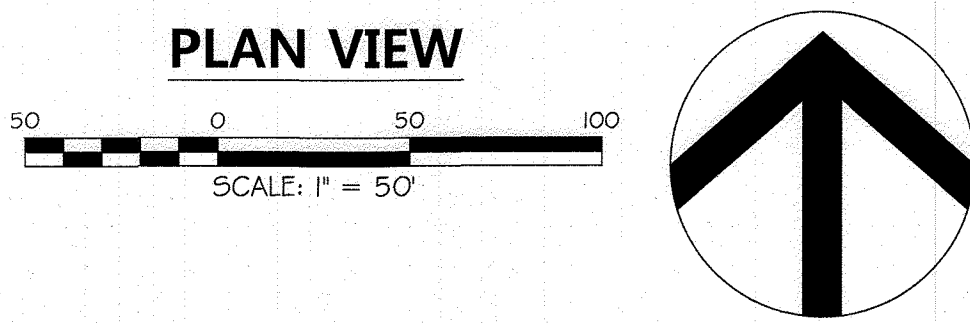
DESIGNED: GDT SCALE: AS SHOWN PROJECT NO: 99143.E0
DRAWN: GMD DATE: 3/9/17
CHECKED: MCB APPROVED: PGC 21 OF 22

- LEGEND**
- PROPERTY LINE
 - EX. CONTOURS
 - EX. BUILDINGS
 - EX. ROADS
 - EX. SOILS
 - EX. TREELINE
 - EX. NONTIDAL WETLAND AREA
 - EX. NONTIDAL WETLAND LIMIT
 - 25-FOOT WETLAND BUFFER
 - EXISTING INTERMITTENT/PERENNIAL STREAM
 - 50-FOOT STREAM BUFFER
 - 75-FOOT FOREST CONSERVATION EASEMENT
 - EX. FORESTED AREA (PLAT NO. 24164)
 - PROPOSED LIMIT OF DISTURBANCE
 - PROPOSED LIMIT OF DISTURBANCE AREA ±20,000 SF / ±0.46 AC
 - PROPOSED AFFORESTATION PLANTING AREA ±5,850 SF / ±0.13 AC (PLAT NO. 24165)
 - FOREST CONSERVATION EASEMENT
 - PROTECTIVE SIGNAGE (8 TOTAL)

FOREST CONSERVATION ACT COMPLIANCE NOTE

FOREST CONSERVATION ACT (FCA) IS BEING ADDRESSED BASED ON THE LIMIT-OF-DISTURBANCE (LOD) FOR THE PROPOSED PROJECT BASED ON THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING FOREST CONSERVATION AND THE LIMIT OF DISTURBANCE POLICY DATED SEPTEMBER 15, 2006. THIS POLICY ALLOWS FOR FCA COMPLIANCE TO BE LIMITED TO THE LOD WHERE IT IS DEPICTED ON THE SITE DEVELOPMENT PLAN AS LESS THAN 40,000 SQUARE FEET (SF). SUCH IS THE CASE FOR THE CURRENT PROPOSED IMPROVEMENTS ON THE ST. MICHAEL'S PROPERTY FOR A PAVILION TOTALING 20,000 SF OF LOD, WHICH IS WELL BELOW THE 40,000 SF MAXIMUM.

A:\99143\99143\DWG\SDP-02-47.PRG CAD: PLAN\SDP-02-47.PRG CAD: SHEETS\SDP-02-47.PRG SHEET 21 OF 22 DWG 12/10/2020 3:06 PM



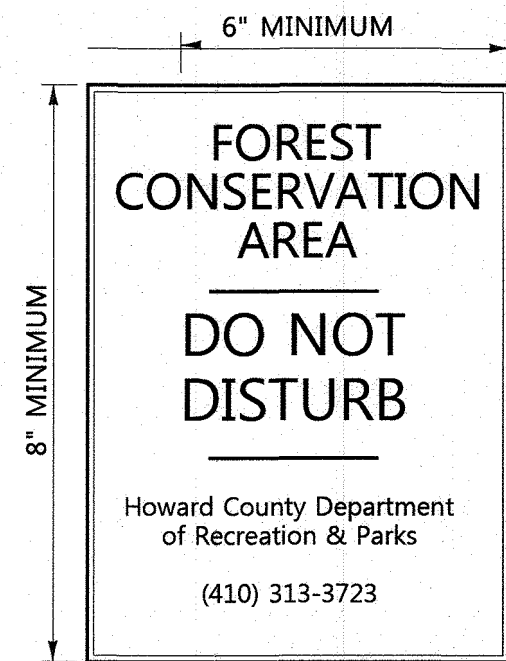
THIS PLAN HAS BEEN PREPARED BY ERIC J. CHODNICKI, A QUALIFIED PROFESSIONAL WHO MEETS THE REQUIREMENTS OF COMAR 08.19.06.01.

[Signature] 5/11/2023
DATE: 12-10-2020

FOREST CONSERVATION WORKSHEET FOR ST. MICHAELS

Net Tract Area		A = 16.50
A. Total (Gross) Tract Area		B = 0.00
B. Area within 100-year Floodplain		C = 0.00
C. Other Deductions (Identify AREA OUTSIDE THE LOD FOR THIS PROJECT)		D = 0.70
D. Net Tract Area		
Land Use Category		
Insert the number "1" under the appropriate land use (limit to only one entry)		
Resid.	Resid.	Resid.
Rural LD	Rural MD	Suburban
0	0	0
Inst/	Office	Mixed Use/
Linear	PUD	PUD
0	0	0
E. Afforestation Threshold (Net Tract Area x 20%)		E = 0.10
F. Reforestation Threshold (Net Tract Area x 50%)		F = 0.40
Existing Forest Cover		
G. Existing Forest Cover within the Net Tract Area		G = 0.00
H. Area of Forest above Afforestation Threshold		H = 0.00
I. Area of Forest above Reforestation Threshold		I = 0.00
Break Even Point		
J. Break Even Point		J = 0.00
K. Forest Clearing Permitted without Mitigation		K = 0.00
Proposed Forest Clearing		
L. Total Area of Forest to be Cleared		L = 0.00
M. Total Area of Forest to be Retained		M = 0.00
Planting Requirements Inside Watershed		
N. Reforestation for Clearing above the Reforestation Threshold		N = 0.00
P. Reforestation for Clearing below the Reforestation Threshold		P = 0.00
Q. Credit for Retention above the Reforestation Threshold		Q = 0.00
R. Total Reforestation Required		R = 0.00
S. Total Afforestation Required		S = 0.10
T. Total Reforestation and Afforestation Requirement		T = 0.10
U. 75% of Total Obligation (Retention + Planting)		U = 0.10
V. Planting Required Onsite to meet 75% Obligation		V = 0.10
Planting Requirements Outside Watershed		
W. Total Planting with Development Site Watershed		W = 0.00
X. Total Afforestation Required		X = 0.10
Y. Remaining Planting within Watershed for Reforestation Credit		Y = 0.00
Z. Reforestation for Clearing above the Reforestation Threshold		Z = 0.00
AA. Reforestation for Clearing below the Reforestation Threshold		AA = 0.00
BB. Credit for Retention above the Reforestation Threshold		BB = 0.00
CC. Total Reforestation Required		CC = 0.00
DD. Total Afforestation and Reforestation Requirement		DD = 0.10

Date: 2020-04-28



SIGNS TO BE PLACED ON METAL POSTS 4-FEET ABOVE FINISH GRADE PRIOR TO PLANTING ALONG THE PERIMETER OF THE FOREST BUFFER EASEMENT (FBE/FCE). SIGNS SHALL BE 0.040 GA. ALUMINUM WITH CENTER HOLES AT TOP AND BOTTOM. AFFIX SIGNS TO POSTS WITH METAL BOLTS.

Not To Scale

FOREST CONSERVATION EASEMENT SIGNAGE (PERMANENT)

CONSTRUCTION PERIOD PRACTICES

ANY CHANGES TO THE PLAN DUE TO ON-SITE CONDITIONS MUST BE APPROVED BY THE HOWARD COUNTY. THERE WILL BE NO OPEN BURNING WITHIN 100 FEET OF WOODLANDS.

POST CONSTRUCTION MANAGEMENT/ MAINTENANCE BY CONTRACTOR

ALL DEAD TREES OR TREE LIMBS WHICH POSE AN IMMEDIATE SAFETY HAZARD WILL BE FELLE. ALL TEMPORARY FOREST PROTECTION STRUCTURES WILL BE REMOVED AFTER CONSTRUCTION.

THE CONTRACTOR'S MAINTENANCE OF NEW PLANTING SHALL CONSIST OF WATERING, CULTIVATING, WEEDING, AND MULCHING AS NECESSARY TO ENSURE SURVIVAL. CONTRACTOR SHALL PROTECT PLANTING AREAS AND PLANTS AT ALL TIMES AGAINST DAMAGE OF ALL KINDS FOR DURATION OF MAINTENANCE PERIOD. MAINTENANCE INCLUDES TEMPORARY PROTECTION BARRIERS AND SIGNS AS REQUIRED FOR PROTECTION. IF ANY PLANTS BECOME DAMAGED OR INJURED, BECAUSE SUFFICIENT PROTECTION WAS NOT PROVIDED, TREAT OR REPLACE AS DIRECTED BY LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO OWNER.

STANDARDS AND SPECIFICATIONS FOR PLANTING

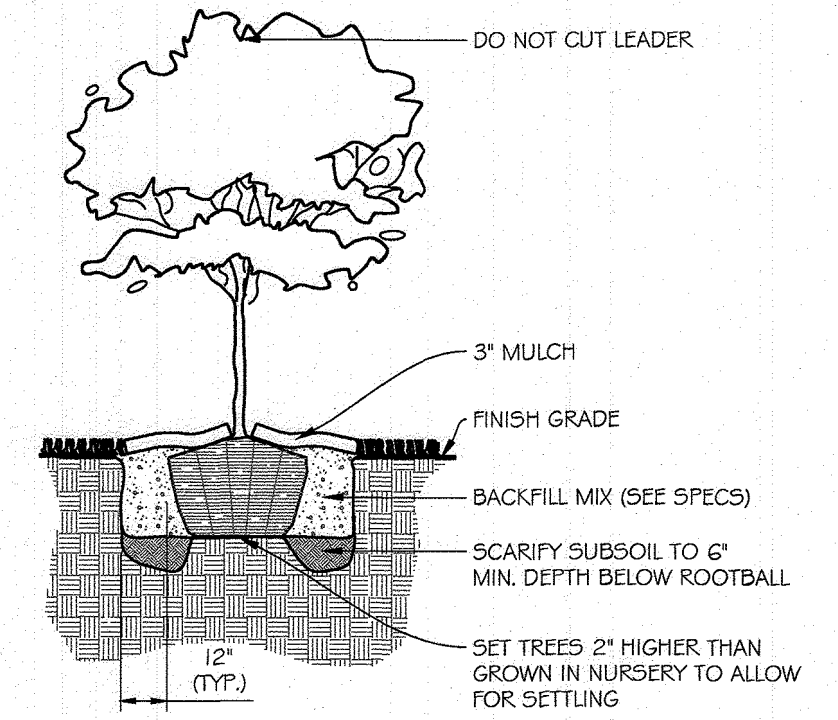
- PLANT MATERIAL SELECTION**
PLANTING STOCK LESS THAN 1" CALIPER SHOULD MEET THE FOLLOWING STANDARDS:
SEEDLING/WHIP:
HARDWOODS - 1/4" TO 1/2" CALIPER WITH ROOTS NOT LESS THAN 8" LONG
SHRUBS - 1/2" OR LARGER CALIPER WITH 8" ROOT SYSTEM.
- PLANTING SITE PREPARATION**
SOILS SHALL NOT BE DISTURBED OUTSIDE THE AREA NECESSARY FOR PLANTING INDIVIDUAL SPECIMENS.
- PLANTING PERIOD**
ALL MATERIAL SHALL BE PLANTED BETWEEN SEPTEMBER 15 AND MAY 31. MATERIAL SHALL NOT BE INSTALLED WHEN GROUND IS FROZEN.
- PLANT MATERIAL STORAGE**
PLANTS SHOULD BE PLANTED WITHIN 24 HOURS OF DELIVERY IF POSSIBLE. PLANT MATERIAL WHICH ARE LEFT UNPLANTED FOR MORE THAN 24 HOURS SHALL BE PROTECTED FROM DIRECT SUN AND WEATHER AND KEPT MOIST. NURSERY STOCK SHOULD NOT BE LEFT UNPLANTED FOR MORE THAN TWO WEEKS.
- ON-SITE INSPECTION**
PRIOR TO PLANTING, PLANTING STOCK SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT OR OTHER QUALIFIED PROFESSIONAL FAMILIAR WITH THIS PLAN. PLANT MATERIAL NOT CONFORMING TO STANDARD NURSERYMAN SPECIFICATIONS FOR SIZE, FORM, VIGOR, ROOTS, TRUNK WOUNDS, INSECTS AND DISEASE SHOULD BE REPLACED.
- MULCH**
A. SHREDDED LONG FIBER HARDWOOD.
B. MULCH SHALL HAVE BEEN SHREDDED WITHIN THE LAST SIX (6) MONTHS.
- LAYOUT AND EXCAVATION OF PLANTING AREAS**
A. PLANTS SHALL BE PLACED IN EACH ZONE AT RANDOM LOCATIONS SHOWN AT SPACING AS INDICATED ON THE PLAN.
B. THE LANDSCAPE ARCHITECT OR QUALIFIED PROFESSIONAL WILL CHECK LOCATION OF PLANTS IN THE FIELD AND SHALL ADJUST TO EXACT POSITION BEFORE PLANTING BEGINS.
C. SUBSOIL SHALL NOT BE WORKED WHEN MOISTURE CONTENT IS SO GREAT THAT EXCESSIVE COMPACTION WILL OCCUR. NOR WHEN IT IS SO DRY THAT CLOUDS WILL NOT READILY BREAK. WATER SHALL BE APPLIED, IF NECESSARY, TO BRING SOIL TO AN OPTIMUM MOISTURE CONTENT BEFORE TILLING AND PLANTING.
D. TREE PITS SHALL NOT BE EXCAVATED MORE THAN 24 HOURS IN ADVANCE OF PLANTING OPERATION. TREE PITS SHALL BE EXCAVATED TO THE FOLLOWING DIMENSIONS: EXCAVATION FOR CONTAINER TREES - WIDTH=CONTAINER PLUS 12-INCHES/DEPTH=CONTAINER PLUS 4-INCHES EXCAVATION FOR CONTAINER SHRUBS - WIDTH=CONTAINER PLUS 8-INCHES/DEPTH=CONTAINER PLUS 4-INCHES (CANNOT BE LESS THAN 12-INCHES).
- PREPARING PLANT MATERIALS FOR PLANTING**
A. CONTAINER STOCK SHALL BE REMOVED CAREFULLY AFTER CANS HAVE BEEN CUT ON TWO SIDES WITH APPROVED CUTTER. DO NOT USE SPADE TO CUT CANS. DO NOT LIFT OR HANDLE CONTAINER PLANTS BY TOPS, STEMS OR TRUNKS AT ANY TIME.
B. DO NOT BIND OR HANDLE ANY PLANT WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE BARK OR BREAK BRANCHES. LIFT AND HANDLE PLANTS ONLY FROM BOTTOM OF BALL.
C. DO NOT FORCE ROOTS FOR BARE ROOTED TREES INTO EXCAVATED PITS - CUSTOM DIG PITS TO RECEIVE ROOTS WITHOUT DEFORMATION.
- INSTALLATION OF CONTAINERIZED PLANT MATERIAL**
A. SCARIFY THE WALLS AND BOTTOM OF ALL PLANT PITS IMMEDIATELY PRIOR TO THE PLACEMENT OF PLANT AND BACKFILL MIX. THE CONTRACTOR SHALL REMOVE ALL GLAZING OF SOIL CAUSED BY AN AUGER OR MECHANICAL HOLE DIGGER.
B. WELLS AROUND TREES AND SHRUBS: AFTER PLANTING IS COMPLETE, FORM A SOIL WELL 3 INCHES HIGH AROUND EACH PLANT, EXTENDING TO THE OUTER LIMIT OF THE PLANT PIT IN ACCORDANCE WITH PLANTING DETAILS SHOWN ON THE DRAWINGS.
C. SMOOTH PLANTED AREAS TO CONFORM TO SPECIFIED GRADES AFTER FULL SETTLEMENT HAS OCCURRED. CONTRACTOR SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS. ANY DISCREPANCY IN THE DRAWINGS OR SPECIFICATIONS, OBSTRUCTIONS ON THE SITE, OR PRIOR WORK DONE BY ANOTHER PARTY, WHICH CONTRACTOR FEELS PRECLUDES ESTABLISHING PROPER DRAINAGE, SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IN WRITING.
D. WATER ALL PLANTS IMMEDIATELY AGAIN AFTER PLANTING.
E. SPREAD MULCH IN REQUIRED AREAS TO THE COMPACTED DEPTH OF 2 INCHES.

PLANTING NOTES

- PLANT MATERIAL SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT OR QUALIFIED PROFESSIONAL FAMILIAR WITH THIS PLAN.
- PLANT MATERIAL SHALL BE TAGGED AT THE SOURCE BY THE LANDSCAPE ARCHITECT OR QUALIFIED PROFESSIONAL FAMILIAR WITH THIS PLAN, OR FIGURES PROVIDED WITH SCALE REFERENCE UNLESS THIS REQUIREMENT IS SPECIFICALLY WAIVED.
- PLANT QUANTITIES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. IF DISCREPANCIES EXIST BETWEEN QUANTITIES SHOWN ON PLAN AND THOSE SHOWN ON THE PLANT LIST, THE QUANTITIES ON THE PLAN SHALL TAKE PRECEDENCE.
- ALL AREAS WITHIN THE CONTRACT LIMITS DISTURBED DURING OR PRIOR TO CONSTRUCTION NOT DESIGNATED TO RECEIVE PLANTINGS AND MULCH SHALL BE FINE GRADED AND SEEDED IN ACCORDANCE WITH PLANTING AND CONSTRUCTION SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY (800-257-7777) A MINIMUM OF THREE WORKING DAYS PRIOR TO PLANTING AND CONSTRUCTION.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO AMERICAN NURSERYMEN ASSOCIATION STANDARDS.
- ALL PLANTING PROCEDURES SHALL CONFORM TO LANDSCAPE CONTRACTORS ASSOCIATION (LCA) SPECIFICATION GUIDELINES FOR BALTIMORE / WASHINGTON METROPOLITAN AREA (LATEST EDITION). LCA LANDSCAPE SPECIFICATION GUIDELINES (4TH ED) SECTION 1.6, REPLACEMENT AND CONDITIONS, 'ITEM F. PLANT LOSSES DUE TO ABNORMAL WEATHER' DOES NOT APPLY.

GENERAL NOTES

NO GRADING, EXCAVATION, UTILITY PLACEMENT AND EROSION CONTROL ACTIVITIES, OR VEHICULAR TRAFFIC WILL OCCUR WITHIN THE FOREST RETENTION AREAS. PERMANENT FOREST PROTECTION SIGNAGE WILL BE INSTALLED ALONG THE ENTIRE FOREST CONSERVATION EASEMENT AREA AS INDICATED ON THE PLAN. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.



PLANTING PROCEDURES FOR ALL CONTAINER GROWN TREES AND SHRUBS

- REMOVE THE PLANT EITHER BY CUTTING OR INVERTING THE CONTAINER.
- GENTLY LOOSEN ROOTS FROM SOILS. ROOTS MAY NOT BE CUT OR TRIMMED ON SITE.
- PLANT SHRUB OR TREE 1 TO 2 INCHES ABOVE THE EXISTING GRADE.
- APPLY 2 TO 3 INCH THICK LAYER OF SHREDDED HARDWOOD MULCH.

TYPICAL TREE PLANTING (FOR CONTAINER GROWN)

NOT TO SCALE

AFFORESTATION AREA PLANT LIST									
KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	CONDITION	QUANTITY	SERIAL STAGE	STRATUM	INDICATOR STATUS
	ACER RUBRUM	RED MAPLE	1" CAL.	15' X 15'	CONT. GROWN	10	EARLY-MID	TREE	FAC
	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	1" CAL.	15' X 15'	CONT. GROWN	10	MID	TREE	FACW
TOTAL:						20			
PLANTING CALCULATIONS:									
TOTAL ACREAGE: ±0.10 AC ±5,050 SF									
TOTAL PLANTING REQUIREMENT: ±0.10 AC x 200(STEMS/ACRE) = ±20 PLANTS									

SOILS TABLE				
SYMBOL	SOIL NAME	SLOPE	K FACTOR	COMMENTS
GgA	GLENELG LOAM	0-3%	0.24	NOT HYDRIC
GgB	GLENELG LOAM	3-6%	0.24	NOT HYDRIC
GgC	GLENELG LOAM	6-15%	0.24	NOT HYDRIC
GmB	GLENVILLE SILT LOAM	3-6%	0.37	1-32% HYDRIC COMPONENTS
GmB	GLENVILLE-BAILE SILT LOAM	0-6%	0.43	33-65% HYDRIC COMPONENTS

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
<i>[Signature]</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	2/11/21 DATE
<i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	5/11/23 DATE
<i>[Signature]</i> DIRECTOR	5/15/23 DATE

3/9/17	REVISION DESCRIPTION
	FOREST CONSERVATION NOTES & DETAILS ASSOC. W/ NEW PAVILION & WALK

ST. MICHAEL'S ROMAN CATHOLIC CHURCH

OWNER
CARDINAL WILLIAM H. KEELER
THE ROMAN CATHOLIC ARCHBISHOP OF BALTIMORE
A CORPORATE SOLE
320 CATHEDRAL STREET
BALTIMORE, MD 21201

DEVELOPER
ST. MICHAEL'S POPLAR SPRINGS ROMAN CATHOLIC CONGREGATION
1125 ST. MICHAEL'S ROAD
POPLAR SPRINGS, MD 21771

501 FAIRMOUNT AVENUE, SUITE 300 TOWSON, MD 21286
P: 410 296 3333 F: 410 296 4705 WWW.DMW.COM

TITLE REVISED SITE DEVELOPMENT PLAN FOREST CONSERVATION PLAN									
SUBDIVISION NAME		SECT./AREA	LOT/PARCEL #						
NA		NA	2GO						
PLAT# OR L/F	BLOCK#	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.				
295/2G	8, 9	RC-DEO	7	4TH	6040.01				
WATER CODE		SEWER CODE							
****		*****							
ADDRESS CHART									
LOT NUMBER		STREET ADDRESS							
2GO		1125 ST. MICHAEL'S ROAD, MT. AIRY, MD. 21797							
DESIGNED:	GDT	SCALE:	AS SHOWN						
DRAWN:	GMO	DATE:	NTS 3/9/17						
CHECKED:	MCB	APPROVED:	PGC						
				22 OF 22					

THIS PLAN HAS BEEN PREPARED BY ERIC J. CHODNICKI, A QUALIFIED PROFESSIONAL WHO MEETS THE REQUIREMENTS OF COMAR 08.19.06.01.

[Signature]
DATE: 12-10-2020