GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY STANDARDS AND SPECIFICATIONS. ALL WORK AND MATERIALS SHALL COMPLY WITH O.S.H.A. STANDARDS. EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS, FIELD SURVEYS, PUBLIC WATER AND AND SEWER EXTENSION PLANS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTORS INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION
- SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. - THE EXISTING TOPOGRAPHIC INFORMATION FROM HOWARD COUNTY GIS, COUNTY RECORDS AND AN AERIAL TOPOGRAPHICAL SURVEY PERFORMED BY POTOMAC AERIAL SURVEYS, INC. DATED MAY 2001. - EXISTING UTILITIES WERE LOCATED FROM PREVIOUSLY APPROVED ROAD CONSTRUCTION PLANS, FIELD SURVEYS. PUBLIC WATER AND SEWER EXTENSION PLANS AND AVAILABLE RECORD DRAWINGS. COORDINATES AND ELEVATIONS ARE BASED ON MARYLAND COORDINATE SYSTEM - NAD83(1991) AS

PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 30CC AND 31AC. THE PROPERTY LINES SHOWN HEREON IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED B

ROBERT H. VOGEL ENGINEERING, INC. DATED OCTOBER 29, 2013. ALL ELEVATIONS ARE TO FLOWLINE/BOTTOM OF CURB UNLESS OTHERWISE NOTED. THE GEOTECHNICAL ENGINEER TO CONFIRM PAVING SECTION PRIOR TO CONSTRUCTION. ALL PAVING TO BE PAVING

THE SUBJECT PROPERTY IS ZONED R-SI (RESIDENTIAL: SENIOR - INSTITUTIONAL) AND R-A-15 (RESIDENTIAL: APARTMENT DISTRICT) PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.

THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. WATER AND SEWER SERVICE FOR THIS PROJECT IS CURRENTLY PUBLIC - WATER FOR THIS PROJECT IS A CONNECTION TO CONTRACT NO. 12-W.

- SEWER FOR THIS PROJECT IS A CONNECTION TO CONTRACT NO. 20-1081-D. THERE IS NO 100YR FLOODPLAIN WITHIN THE LIMITS OF THIS PROJECT. NO STEEP SLOPES OVER 20,000 SF CONTIGUOUS ARE LOCATED ONSITE.

WETLANDS AND STREAMS SHOWN ONSITE ARE BASED ON ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN

WETLAND BUFFER AND A 50' STREAM BUFFER TO PROVIDE MANAGEMENT FOR THE EXISTING CHURCH IN ACCORDANCE WITH THE REQUIREMENTS OF THE OES WATERSHED PROTECTION PARTNERSHIP. WAIVERS FOR MINOR ENTIRONMENTAL DISTURBANCES, IF FINAL DESIGN DICTATES, WILL BE SUBMITTED WITH THE FUTURE SITE DEVELOPMENT PLAN. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF FORTHCOMING WAIVERS PETITIONS.

FOREST STAND DELINEATION PLAN PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN CANOLES,

- THERE ARE NO SPECIMEN OR CHAMPION TREES WITHIN THE LOD. FOREST CONSERVATION OBLIGATIONS FOR THIS PROJECT SHALL BE ADDRESSED BY A FOREST CONSERVATION PLAN SUBMITTED WITH A SUBDIVISION OR SITE DEVELOPMENT PLAN.

SOIL TYPES SHOWN HEREON ARE IN ACCORDANCE WITH THE WEB SOIL SURVEY - HOWARD COUNTY, MARYLAND NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND

AT THIS CONCEPT STAGE OF DEVELOPMENT, A WAIVER WILL BE REQUIRED FOR MINOR GRADING WITHIN A 25' WETLAND BUFFER AND A 50' STREAM BUFFER TO PROVIDE MANAGEMENT FOR THE EXISTING CHURCH IN ACCORDANCE WITH THE REQUIREMENTS OF THE OES WATERSHED PROTECTION PARTNERSHIP. WAIVERS FOR MINOR ENVIRONMENTAL DISTURBANCES, IF FINAL DESIGN DICTATES, WILL BE SUBMITTED WITH THE FUTURE SITE DEVELOPMENT PLAN. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF FORTHCOMING WAIVERS PETITIONS.

- GEOTECHNICAL INVESTIGATIONS, AS REQUIRED, SHALL COMPLETED AS PART OF THE SITE DEVELOPMENT PLAN
- TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS, CEMETERIES, OR HISTORIC
- STRUCTURES LOCATED ON THIS PROPERTY STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF ALTERNATIVE SURFACES IN NEW PARKING AREAS (PERVIOUS CONCRETE), THE USE OF MICRO-SCALE PRACTICES (MICRO-BIORETENTION, BIO-SWALES, AND STONE TRENCHES / LEVEL SPREADERS).
- THESE FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED.

- ADDITIONAL MANAGEMENT/ESD VOLUME IS BEING PROVIDED ABOVE THE REQUIREMENTS OF RE-DEVELOPMENT TO MEET THE REQUIREMENTS OF THE HOWARD COUNTY NON-PROFIT RAIN TAX CREDIT POLICY.

). APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE SUBDIVISION PLAN/PLAT AND/OR SITE DEVELOPMENT PLAN AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT M/ ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.

APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT GRANT APPROVAL OF THE PROPOSED SEDIMENT CONTROL SCHEME. THE FINAL PLAN SHALL INCLUDE A SEQUENCE OF CONSTRUCTION WHICH SHALL DETAIL SEDIMENT & EROSION CONTROLS AND PHASING AND ADDRESS THE PROJECT TEMPORARY STORMWATER MANAGEMENT REQUIREMENTS.

ENVIRONMENTAL SITE DESIGN NARRATIVE

IN ACCORDANCE WITH CHECKLIST ITEM III.K.

1. THERE ARE NATURAL AREAS ON THE PROJECT SITE.

AT THIS CONCEPT STAGE OF DEVELOPMENT, A WAIVER WILL BE REQUIRED FOR MINOR GRADING WITHIN A 25' WETLAND BUFFER AND A 50' STREAM BUFFER TO PROVIDE MANAGEMENT FOR THE EXISTING CHURCH IN ACCORDANCE WITH THE REQUIREMENTS OF THE OES WATERSHED PROTECTION PARTNERSHIP. WAIVERS FOR MINOR ENVIRONMENTAL DISTURBANCES, IF FINAL DESIGN DICTATES, WILL BE SUBMITTED WITH THE FUTURE SITE DEVELOPMENT PLAN. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF FORTHCOMING WAIVERS PETITIONS

NO DISTURBANCE TO THE STREAM, WETLAND OR WOODED RESOURCES ARE PROPOSED.

NO DRAMATIC DISTURBANCE TO THE NATURAL DRAINAGE PATTERNS ARE PROPOSED, PLEASE REFER TO THE PROPOSED GRADING.

THE CONCEPTUAL DESIGN SHOWN HEREON PROVIDES THE "REDUCTION IN IMPERVIOUS AREA THROUGH BETTER SITE DESIGN UTILIZING ALTERNATIVE SURFACES, MICRO-SCALE PRACTICES AND NON STRUCTURAL PRACTICES" TO THE MAXIMUM EXTENT PRACTICAL.

THE SITE DESIGN QUALIFIES AS REDEVELOPMENT AND INCORPORATES THE USE OF ALTERNATIVE SURFACES IN NEW PARKING AREAS (PERVIOUS CONCRETE), THE USE OF MICRO-SCALE PRACTICES (MICRO-BIORETENTION, BIO-SWALES, AND STONE TRENCHES / LEVEL SPREADERS) TO ACHIEVE THE REQUIRED ESDV.

SOME EXISTING IMPERVIOUS AREAS SHALL BE CONVERTED TO THE "GREEN" AREAS AS SHOWN HEREON. SEDIMENT CONTROL FOR THIS SPECIFIC SITE PLAN WILL BE PROVIDED THROUGH THE USE A PROPOSED SILT FENCE PERIMETER CONTROLS AROUND THE PROPOSED DISTURBED AREAS. SEDIMENT CONTROL

SHALL BE IN ACCORDANCE WITH CURRENT REQUIREMENTS AND SHALL BE APPROVED BY THE HOWARD

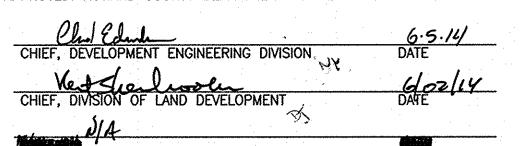
STORMWATER MANAGEMENT FOR THE PROJECT SHALL BE MET AS REQUIRED BY THE RE-DEVELOPMENT CRITERIA THROUGH BETTER SITE DESIGN UTILIZING ALTERNATIVE SURFACES, MICRO-SCALE PRACTICES AND NON STRUCTURAL PRACTICES" TO THE MAXIMUM EXTENT PRACTICAL.

ALTERNATIVE SURFACES IN NEW PARKING AREAS (PERVIOUS CONCRETE), THE USE OF MICRO-SCALE PRACTICES (MICRO-BIORETENTION, BIO-SWALES, AND STONE TRENCHES / LEVEL SPREADERS) THIS PROJECT WILL REFLECT "WOODS IN GOOD CONDITION" TO THE MAXIMUM EXTENT PRACTICABLE.

ADDITIONAL MANAGEMENT/ESD VOLUME IS BEING PROVIDED ABOVE THE REQUIREMENTS OF RE-DEVELOPMENT TO MEET THE REQUIREMENTS OF THE HOWARD COUNTY NON-PROFIT RAIN TAX CREDIT POLICY.

AT THIS CONCEPT STAGE OF DEVELOPMENT, A WAIVER WILL BE REQUIRED FOR MINOR GRADING WITHIN A 25' WETLAND BUFFER AND A 50' STREAM BUFFER TO PROVIDE MANAGEMENT FOR THE EXISTING CHURCH IN ACCORDANCE WITH THE REQUIREMENTS OF THE OES WATERSHED PROTECTION PARTNERSHIP. WAIVERS FOR MINOR ENVIRONMENTAL DISTURBANCES, IF FINAL DESIGN DICTATES, WILL BE SUBMITTED WITH THE FUTURE SITE DEVELOPMENT PLAN. APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN (ECP) DOES NOT CONSTITUTE AN APPROVAL OF FORTHCOMING WAIVERS PETITIONS.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

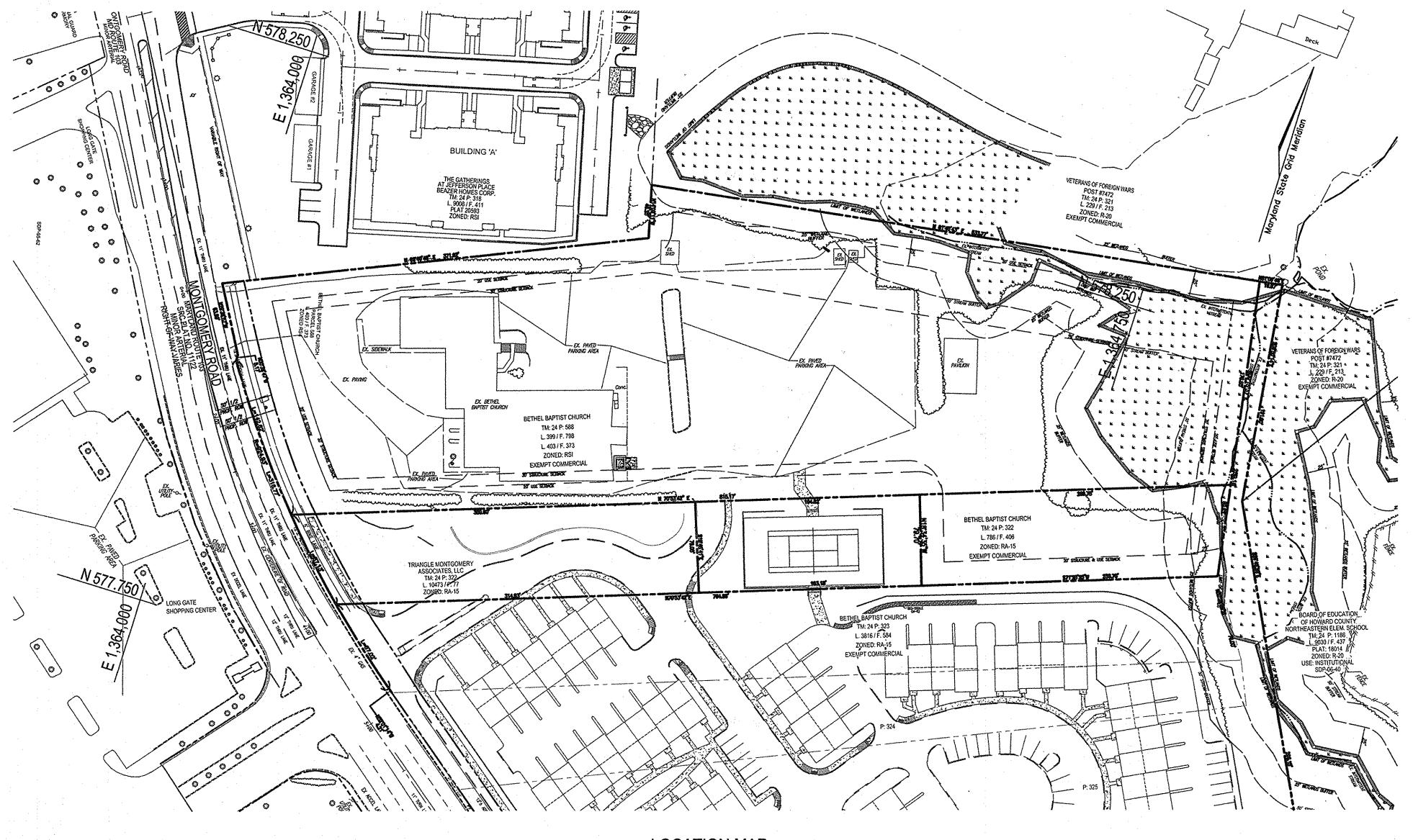


ENVIRONMENTAL CONCEPT PLAN BETHEL BAPTIST CHURCH

PARCELS 588 & 322

L.399/F.798; L.403/F.373; L. 786 F. 406 L.10473/F.77

ZONED: RSI & RA-15



LOCATION MAP

SITE ANALYSIS DATA CHART

213,981 S.F. OR 4.9123 AC.* A. TOTAL PROJECT AREA: PARCEL AREA: PARCEL 588: 4.4346 AC DEED PARCEL 322: 0.4777 AC DEED

BOUNDARY SURVEY: 4:4346 + 0.4777 = 4.9123 ACRES* *SUBJECT TO LAND TRANSFERS WITH CURRENT ECP 14-009 B. AREA OF PLAN SUBMISSION (CONSTR. LOD):

- C. AREA OF WETLANDS: D. AREA OF FLOODPLAIN: E. AREA OF FOREST: F. AREA OF STEEP SLOPES (15% & GREATER): G. ERODIBLE SOILS: H. LIMIT OF DISTURBED AREA (SWM LOD):
- I. PROPOSED USES FOR SITE AND STRUCTURES: J. GREEN OPEN AREA: K. PROPOSED IMPERVIOUS AREA: .. PRESENT ZONING DESIGNATION: M. OPEN SPACE REQUIRED: N. TOTAL NUMBER OF UNITS ALLOWED:

P. DPZ FILE REFERENCES:

D. TOTAL NUMBER OF UNITS PROPOSED:

69,000 S.F. OR 1.58 AC.± 24,841 S.F. OR 0.57 AC. 0 S.E. OR 0.00 AC. 50,796 S.F. OR 1.166 AC. 0 S.F. OR 0.00 AC.

1.54 AC. (PROPOSED SWM IMPROVEMENTS) EXISTING CHURCH FACILITY TO REMAIN

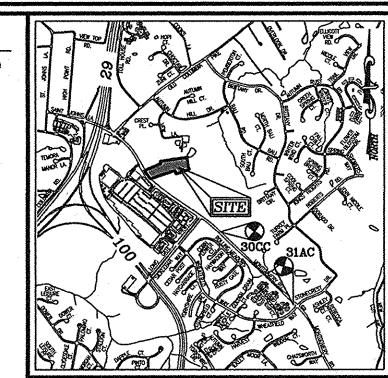
RS-I AND R-A-15

ECP 14-009

BENCHMARKS

HOWARD COUNTY BENCHMARK - 30CC (CONC. MONUMENT) N 576747.03 E 1365563.14 ELEV. 427.32 LOCATION: MONTGOMERY ROAD 1/3 MILE EAST OF LONG

HOWARD COUNTY BENCHMARK - 31AC (CONC. MONUMENT) N 575223.09 E 1367092.12 ELEV. 432.55 LOCATION: MONTGOMERY ROAD 3/4 MILE EAST OF LONG



ADC MAP COORDINATE: PG.::4815 K10

SHEET INDEX	
DESCRIPTION	SHEET NO.
COVER SHEET	1 OF 5
AYOUT AND GRADING PLAN	2 OF 5
DRAINAGE AREA MAP AND STORMWATER MANAGEMENT DETAILS	3 OF 5
REDEVELOPMENT / ESD DRAINAGE AREA MAP	4 OF 5
WATERSHED PROTECTION PARTNERSHIP ORAINAGE AREA MAP	5 OF 5

LEGEND	
	EXISTING CONTOUR
406	PROPOSED CONTOUR EXISTING CURB AND GUTTER
	PROPOSED CURB AND GUTTER
à	EXISTING UTILITY POLE
\Rightarrow	EXISTING LIGHT POLE
	EXISTING MAILBOX
Santanana de la constanta de l	EXISTING SIGN
S	EXISTING SANITARY MANHOLE
	EXISTING SANITARY LINE
000	EXISTING CLEANOUT
₩	EXISTING FIRE HYDRANT
	EXISTING WATER LINE
	EXISTING FENCE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	EXISTING TREFLINE

PARCELS 588 & 323 OWNER BETHEL BAPTIST CHURCH OF HOWARD COUNTY, INC. MR. JASON C. RIDGELL 4261 MONTGOMERY ROAD ELLICOTT CITY, MD 21043

PHONE: (410)

PARCEL 322 OWNER/DEVELOPER TRIANGLE MONTGOMERY ASSOCIATES, LLC. TRIANGLE OLD ANNAPOLIS ASSOCIATES, LLC. MR J CHRIS PIPPFN 4291 MONTGOMERY ROAD ELLICOTT CITY, MD 21043

PHONE: (410) 404-8246

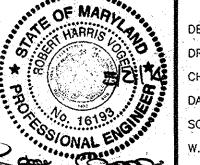
	ENVIRONMENTAL CONCEPT PLAN COVER SHEET	
NO.	REVISION	
		<u> </u>

BETHEL BAPTIST CHURCH

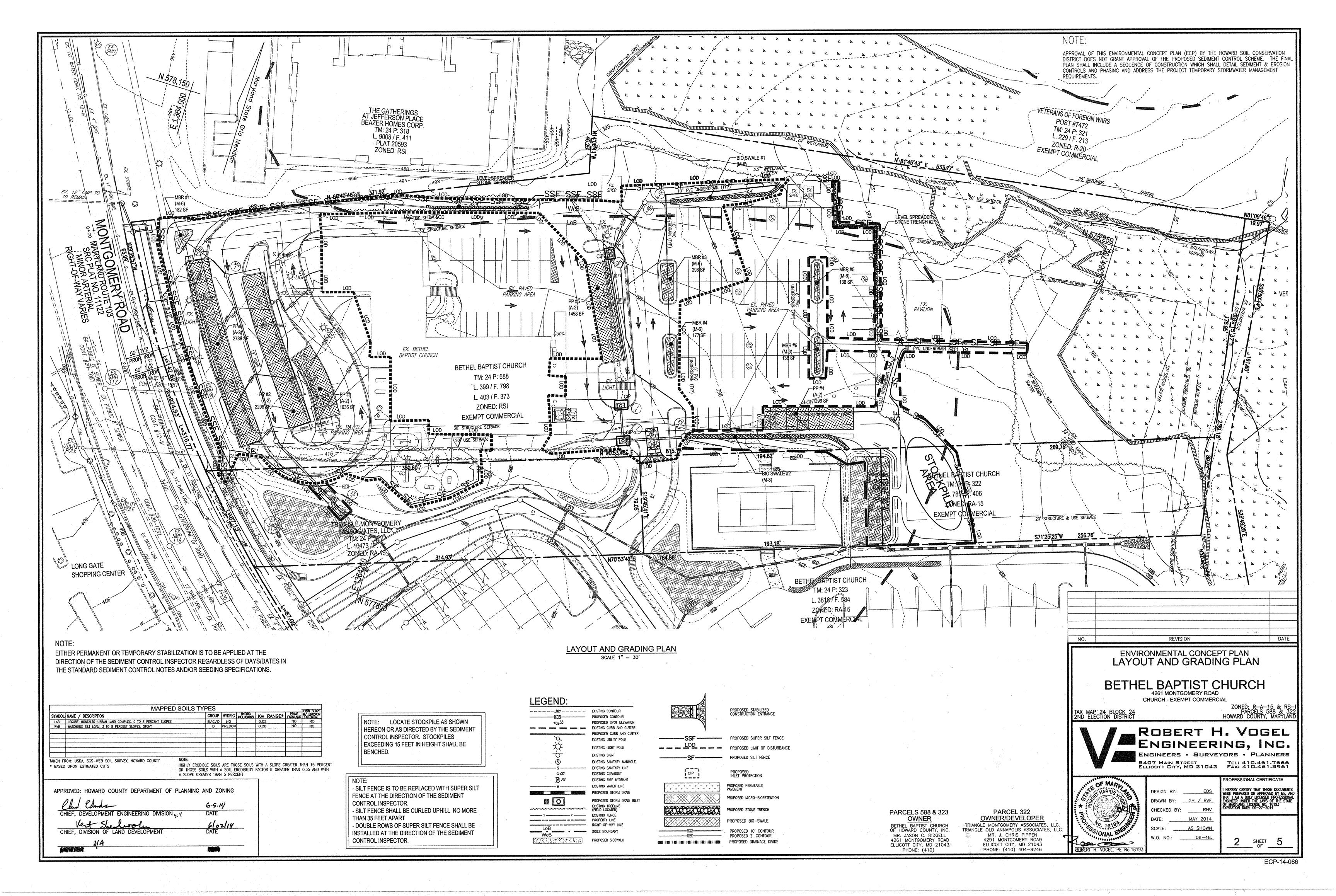
4261 MONTGOMERY ROAD **CHURCH - EXEMPT COMMERCIAL** ZONED: R-A-15 & RS-I PARCELS 588 & 322 HOWARD COUNTY, MARYLAND

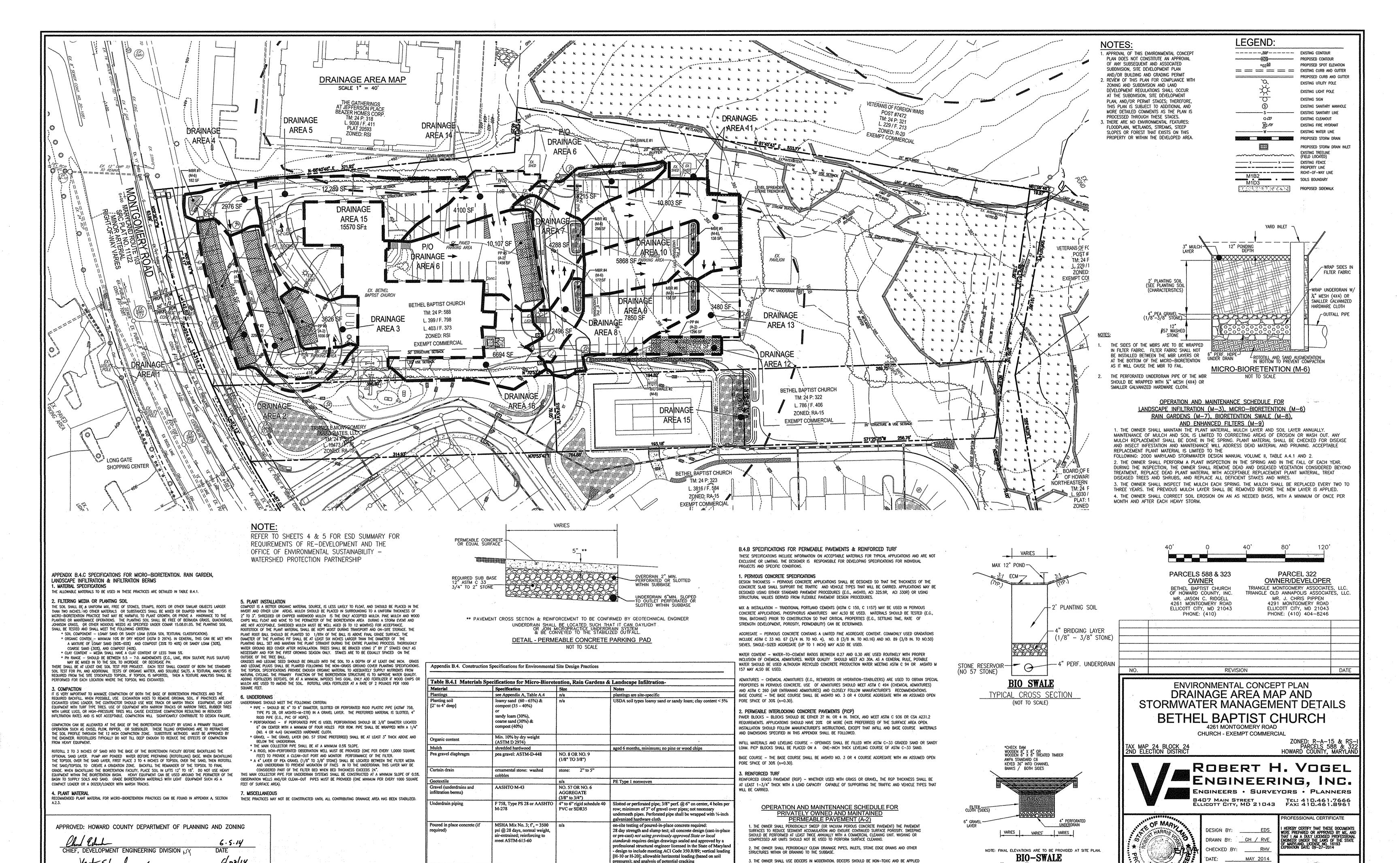
TAX MAP 24 BLOCK 24 2ND ELECTION DISTRICT 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961





CHECKED BY: 08-48.





pressures); and analysis of potential cracking

Sand substitutions such as Diabase and Graystone (AASHTO) #10 are not acceptable. No calcium carbonated or dolomitic sand

substitutions are acceptable. No "rock dust" can be used for sand

AASHTO-M-6 or ASTM-C-33 0.02" to 0.04"

EITHER AS CALCIUM MAGNESIUM ACETATE OR AS PRETREATED SALT.

4. THE OWNER SHALL ENSURE SHOW PLOWING IS PERFORMED CAREFULLY WITH BLADES SET ONE INCH

ABOVE THE SURFACE. PLOWED SNOW PILES AND SNOWMELT SHOULD NOT BE DIRECTED TO PERMEABLE

SHEET

6" X 6" CHECK DAM

TYPICAL CROSS SECTION

(NOT TO SCALE)

