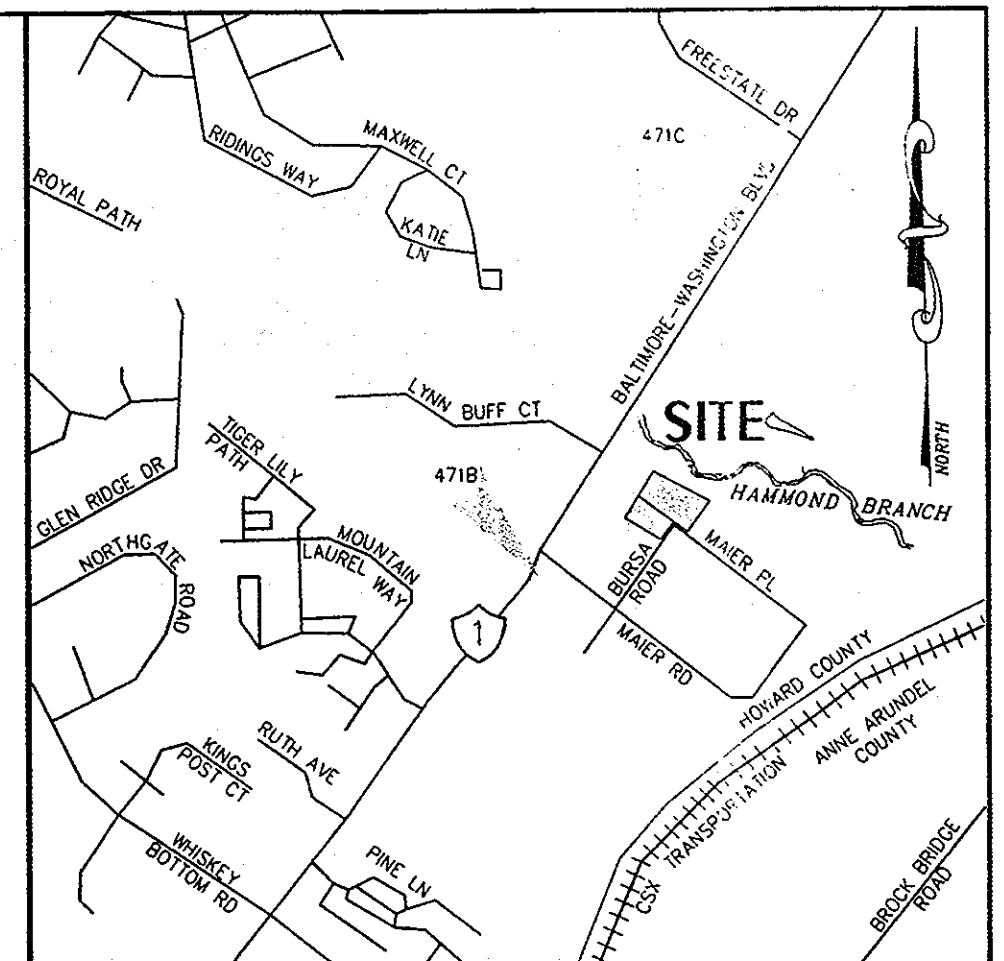


VICTORY TEMPLE - LAUREL

ENVIRONMENTAL CONCEPT PLAN

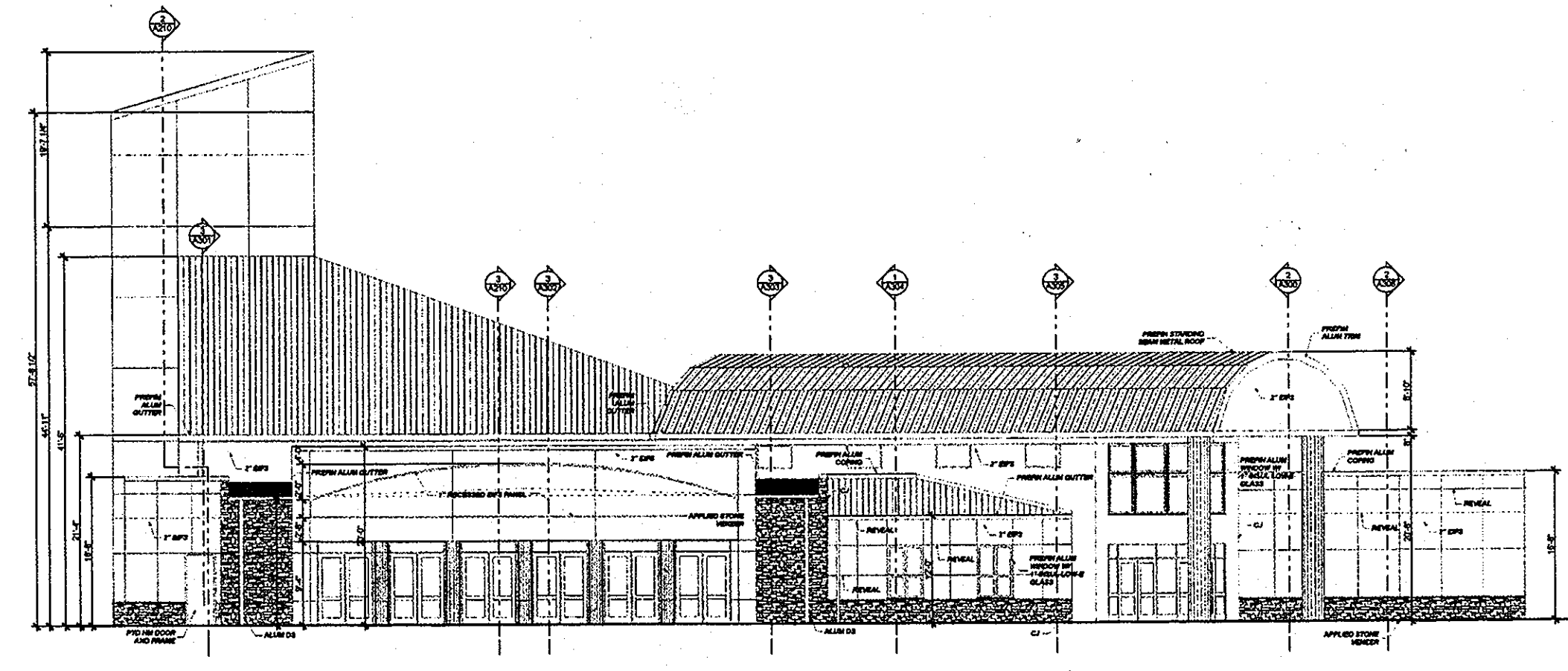
ECP - 11 - 056

HOWARD COUNTY, MARYLAND

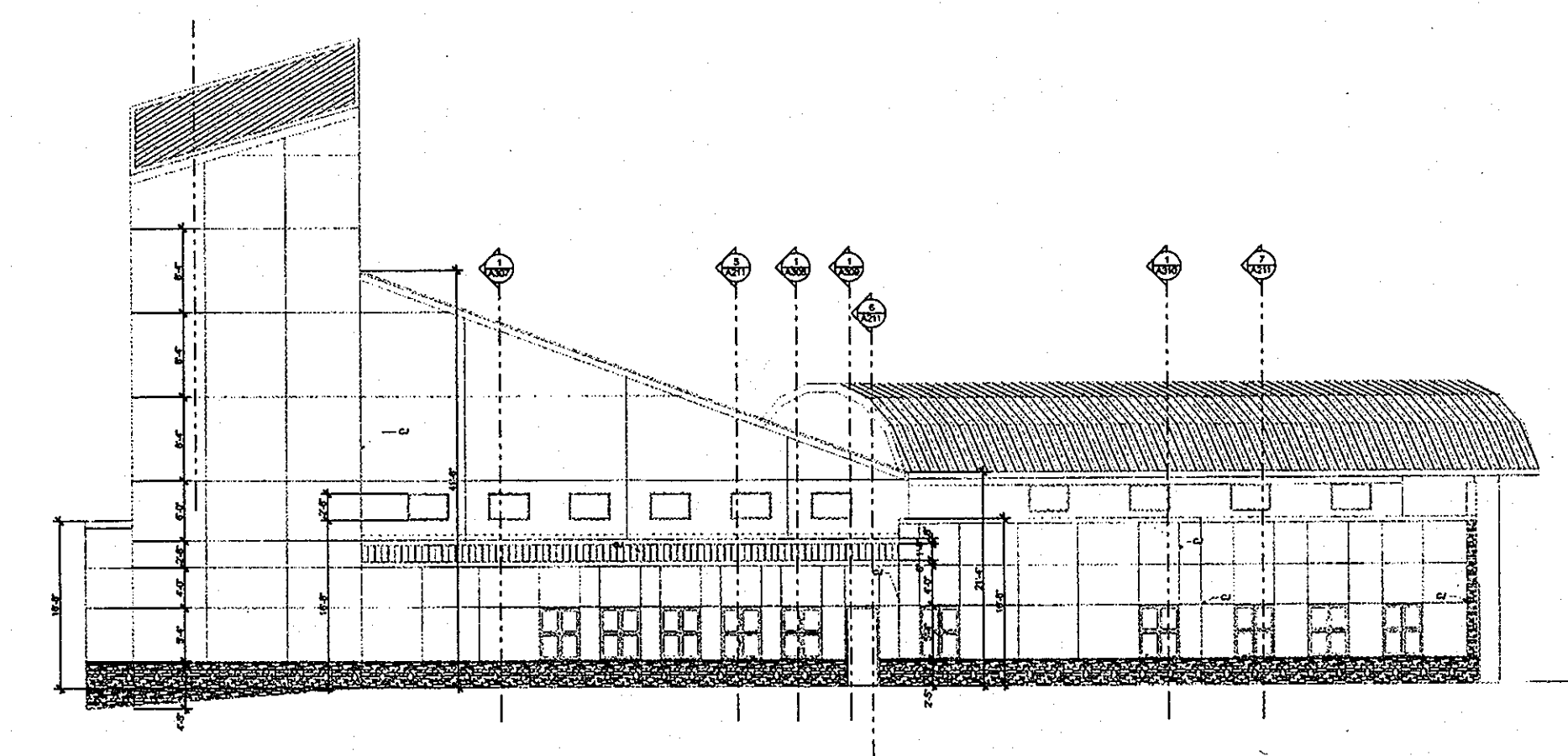


BENCHMARKS
 HOWARD CO. HUB NO. 471C, EL. 189.05
 N 532036.885 E 1362819.058
 A BRASS DISC (1" TO 2" BELOW TERRAIN SURFACE) SET ON TOP OF CONCRETE CYLINDRICAL BASE.
 HOWARD CO. HUB NO. 471B, EL. 180.71
 N 529701.579 E 1361469.758
 3/4" IRON ROD WITH STAMPED ALUMINUM CAP.

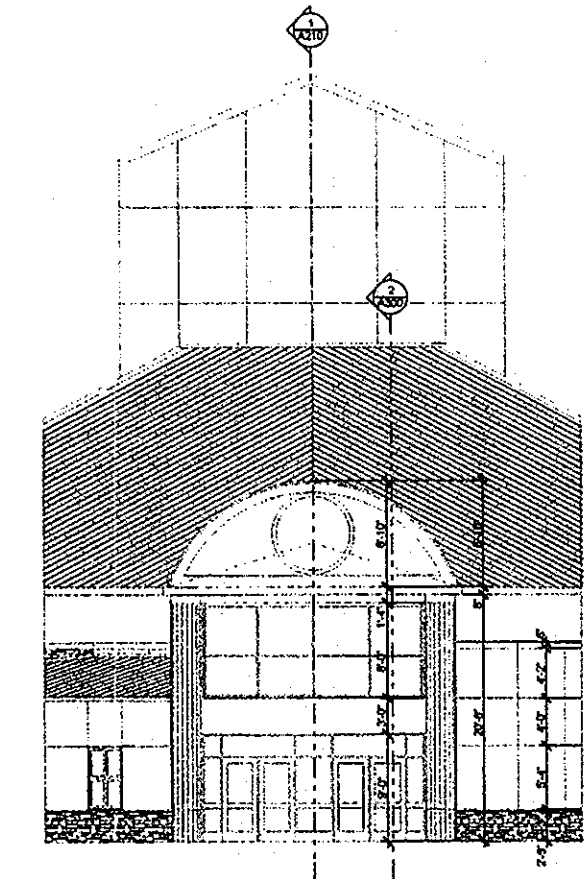
VICINITY MAP SCALE: 1"=1000'
GENERAL NOTES ADC 5169-H1, J1



SOUTH ELEVATION
 SCALE 1/8" = 1'-0"



WEST ELEVATION
 SCALE 1/8" = 1'-0"



ENTRANCE ELEVATION
 SCALE 1/8" = 1'-0"

SITE ANALYSIS DATA SHEET

A. TOTAL SITE AREA:	1.9434 ac.	84,655 S.F.
B. TOTAL WETLANDS AREA:	0.1707 ac.	7,437 S.F.
C. TOTAL FLOODPLAINS AREA:	0.4552 ac.	19,828 S.F.
D. TOTAL FORESTED AREA:	1.5611 ac.	68,000 S.F.
E. TOTAL STEEP SLOPES (≥ 15%):	0.3903 ac.	17,000 S.F.
F. TOTAL STREAM BUFFER AREA:	0.2571 ac.	11,200 S.F.
G. LIMIT OF DISTURBED AREA:	1.3200 ac.	57,500 S.F.
H. PROPOSED USES FOR SITE AND STRUCTURES:	CHURCH, PERMITTED BY RIGHT PER ZONING REGULATION SECTION 127.2.B.22. 0.9448 ac. = 41,155 S.F. (48.6%)	
I. OPEN SPACE ON SITE:	0.9986 ac. = 43,500 S.F., INCLUDING PERVIOUS PAVEMENT AREA: 0.0955 ac. = 4,158 S.F. IMPERVIOUS PAVEMENT AREA: 0.4954 ac. = 21,582 S.F. BUILDING AREA: 0.4077 ac. = 17,760 S.F.	
J. PROPOSED IMPERVIOUS AREA:	0.9986 ac. = 43,500 S.F., INCLUDING PERVIOUS PAVEMENT AREA: 0.0955 ac. = 4,158 S.F. IMPERVIOUS PAVEMENT AREA: 0.4954 ac. = 21,582 S.F. BUILDING AREA: 0.4077 ac. = 17,760 S.F. (21.0%)	
K. BUILDING COVERAGE OF SITE:	0.4077 ac. = 17,760 S.F. (21.0%)	
L. PRESENT ZONING DESIGNATION:	CE-CLI, CORRIDOR EMPLOYMENT DISTRICT - CONTINUING LIGHT INDUSTRIAL OVERLAY DISTRICT	
M. GROSS FLOOR AREA:	17,760 (1st FLR) + 1,476 (2nd FLR) = 19,236 S.F. (TWO STORY)	
N. PROPOSED NUMBER OF SEATS:	147	
O. NUMBER OF PARKING SPACES REQUIRED:	147/3=49 SPACES (1.0 SPACES PER 3 SEATS)	
NUMBER OF PARKING SPACES PROVIDED:	49 SPACES (ON SITE), INCLUDING 2 H/C SPACES	
P. APPLICABLE DPZ FILE REFERENCES:	F-98-182: SECTION ONE, MAIER INDUSTRIAL PARK, PARCELS B-5 & B-6. A RESUBDIVISION OF PARCEL B-4, PLAT #7620, APPROVED 02/03/00. F-02-010: SUBDIVISION PLAT, A.C. MILLER PROPERTY PARCELS A & B. A SUBDIVISION OF A.C. MILLER PROPERTY, PLATS #16329 THROUGH 16332, RECORDED 11/20/03. PROPERTY WAS SUBJECT TO LEGISLATIVE REZONING FROM M-2 LIGHT INDUSTRIAL TO CE-CORRIDOR EMPLOYMENT BY THE HOWARD COUNTY COUNCIL, (d. 02/04/04). SDP-07-022: A.C. MILLER PROPERTY, PARCEL A & MAIER INDUSTRIAL PARK, SECTION 1, PARCEL B-6 (SINGH PROPERTY), PROPOSED FLEX SPACE BUILDING, PLAN DETERMINED TO BE TECHNICALLY COMPLETE 07/18/07. WP-08-065: REQUEST TO WAIVE 16.156(i), TO REACTIVATE SDP-07-022, AND GRANT A 180 DAY EXTENSION TO SUBMIT SDP-07-022 AS A "MAJOR REVISION BY APPLICANT" FOR A PROPOSED RELIGIOUS FACILITY. WAIVER REQUEST APPROVED FEBRUARY 28, 2008. SUBSEQUENT DEADLINE HAD BEEN MISSED. DAP 2010-05-26: DPZ DIRECTOR'S ENDORSEMENT OF DAP RECOMMENDATIONS HAS BEEN RECEIVED 06/25/10.	

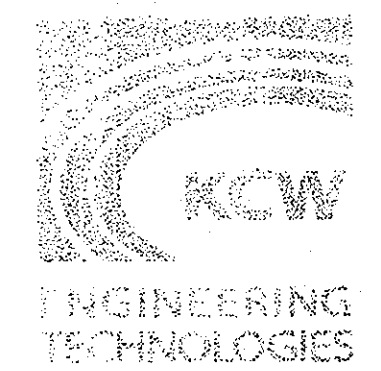
- LIST OF DRAWINGS**
- 1 OF 6 COVER SHEET
 - 2 OF 6 EXISTING CONDITIONS PLAN
 - 3 OF 6 CONCEPT SITE DEVELOPMENT PLAN
 - 4 OF 6 CONCEPT SEDIMENT CONTROL PLAN
 - 5 OF 6 CONCEPT SEDIMENT CONTROL DETAILS
 - 6 OF 6 CONCEPT SWM ESD PLAN

1. OWNERS: THE REDEEMED CHRISTIAN CHURCH OF GOD, INC. (VICTORY TEMPLE) LAUREL, MARYLAND 13701 ANNAPOLIS ROAD BOWIE, MD 20720
2. PROPERTY LOCATION: 9100 BURSA ROAD AND 9110 BURSA ROAD LAUREL, MARYLAND 20723
3. TAX ACCOUNT NO. 06-417604, 06-554016
 ELECTION DISTRICT: 6TH, 6TH
 DEED REFERENCE: 11090/518 (PLAT #16329), 11264/592 (PLAT #14092)
 TAX MAP: 47, GRID 23, PARCEL 540, 47, GRID 23, PARCEL 848
 PARCEL AREA: 1.3089 AC. (57,017 S.F.), 0.8345 AC. (27,638 S.F.)
4. SITE AREA CALCULATIONS: GROSS AREA: 2.0598 AC.=89,726 S.F.; NET AREA: 1.9434 AC.=84,655 S.F.
5. THE SUBJECT PROPERTY IS ZONED CE-CLI CORRIDOR EMPLOYMENT-CONTINUING LIGHT INDUSTRIAL 2/04/04 PER THE COMPREHENSIVE REZONING.
6. PUBLIC WATER AND SEWER SERVICE TO THIS PARCEL HAS BEEN APPROVED PER WATER AND SEWER CONTRACT NO. 24-4047-D.
7. 100-YEAR FLOODPLAIN SHOWN IS BASED ON UPDATED ANALYSIS OF HOWARD COUNTY'S HAMMOND BRANCH FLOODPLAIN STUDY (1980, UPDATED 1986 & 2006) PREPARED BY KCW ENGINEERING TECHNOLOGIES, INC. AS PART OF SDP-07-022. SINGH PROPERTY, WHICH SDP WAS DETERMINED TO BE TECHNICALLY COMPLETE 07/18/07. 100-YR FLOODPLAIN OVER PARCEL A, PLAT #16329 IS ALREADY RECORDED IN THE LAND RECORDS WITH PLAT #16330 AS PART OF A PREVIOUSLY APPROVED SUBDIVISION PLAT (F-02-10) FOR A.C. MILLER PROPERTY, PARCELS A & B.
8. TOPOGRAPHY: TOPOGRAPHY SHOWN IS BASED ON AERIAL TOPOGRAPHY PREPARED BY "WINGS AERIAL MAPPING CO., INC." IN JUNE, 2006 AND SUPPLEMENTED BY KCW FIELD RUN TOPOGRAPHY.
9. STORMWATER MANAGEMENT: STORMWATER MANAGEMENT FOR THIS SITE IS PRIVATE AND SHALL BE MAINTAINED BY THE OWNER. STORMWATER MANAGEMENT REQUIREMENTS FOR THE SITE ARE PROVIDED BY MICRO-BIOTRETION, PERMEABLE PAVEMENTS, RAINWATER HARVESTING, AND PERIMETER SANDFILTERS.
10. THERE ARE NO KNOWN HISTORIC BUILDINGS, ARCHAEOLOGICAL SITES, ENDANGERED SPECIES HABITATS, UNDERGROUND STORAGE TANKS OR HAZARDOUS MATERIAL SITES LOCATED ON THIS PROPERTY. THERE ARE NO SIGNIFICANT VIEWS OR SITE FEATURES THAT MAY AFFECT THE DEVELOPMENT PROPOSAL. THERE ARE NO SIGNIFICANT REGULATED PLANT OR WILD LIFE COMMUNITIES BASED UPON DNR DATA.
11. FOREST CONSERVATION: THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE. FOREST CONSERVATION REQUIREMENTS FOR A.C. MILLER PROPERTY, PARCELS A & B WERE ADDRESSED AS PART OF A PREVIOUSLY APPROVED SUBDIVISION PLAT (F-02-10), RECORDED IN THE LAND RECORDS WITH PLAT #16330, AND APPROVED STORM DRAIN AND FOREST CONSERVATION PLAN (F-02-10). MAIER IND. PARK SECT. 1, PARCEL B-6 IS EXEMPT FROM FOREST CONSERVATION REGULATIONS UNDER SECTION 16.1202(b)(1)(i) BECAUSE IT IS LESS THAN 40,000 SQ. FT. IN SIZE.
12. WETLANDS: WETLANDS SHOWN HEREON WERE DELINEATED BY KCW ENGINEERING TECHNOLOGIES, INC. AND VERIFIED BY HOWARD SOIL CONSERVATION DISTRICT SEPT. 14, 2001 AS PART OF A PREVIOUSLY APPROVED SUBDIVISION PLAT OF A.C. MILLER PROPERTY, PARCELS A & B (F-02-10). WETLANDS HAD BEEN RECORDED IN THE LAND RECORDS WITH PLAT #16332 ON 11/20/03. UPDATED WETLAND DELINEATION PLAN AND REPORT DATED JUNE 28, 2011 PREPARED BY HUMAN AND ROWDE, INC. ARE SUBMITTED HERewith.
13. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE WETLANDS, STREAM(S) OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100-YEAR FLOODPLAIN.
14. COMPLIANCE WITH THE ROUTE 1 MANUAL: THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH ROUTE 1 MANUAL REQUIREMENTS FOR NEW DEVELOPMENTS LOCATED IN THE CE-CLI ZONE. THIS ENVIRONMENTAL CONCEPT PLAN SUBMISSION PROVIDES ALL APPLICABLE STREETScape, SITE AND BUILDING DESIGNS RESPONDING TO THE ROUTE 1 MANUAL'S REQUIREMENTS AND RECOMMENDATIONS. DPZ DIRECTOR'S ENDORSEMENT OF DAP RECOMMENDATIONS HAS BEEN RECEIVED 06/25/10.
15. "APPROVAL OF THIS 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 STAGES AND/OR RED-LINE REVISION PROCESS. THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS (INCLUDING COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN) AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS."
16. THE DESIGN NARRATIVE CAN BE FOUND ON CONCEPT SWM ESD PLAN, SHEET 6 OF 6, AND IN STORMWATER MANAGEMENT REPORT.
17. EXISTING 75' PRIVATE BGE EASEMENT FOR TRIMMING AND CUTTING TREES: PER DEED RECORDED IN LIBR 026, FOLIO 590 AND THE INQUIRY RECORDED IN LIBER 623, FOLIO 174 BGE HAS THE RIGHT TO TRIM, CUT DOWN, AND REMOVE TREES ON PARCEL OF LAND DESCRIBED AS PARCEL No. 2 AND AS SHOWN ON THESE PLANS. THERE ARE NO OTHER RIGHTS PRESCRIBED TO BGE ON PARCEL No. 2 PER DOCUMENTS MENTIONED HEREIN. BGE'S APPROVAL FOR PROPOSED DEVELOPMENT ON PARCEL No. 2 IS NOT REQUIRED.
18. EXISTING 50' STRUCTURE AND USE SETBACKS PER PLATS #14092 AND # 16329: THESE SETBACKS WILL BE ELIMINATED DURING SITE DEVELOPMENT PLAN VIA NEW PLAT.

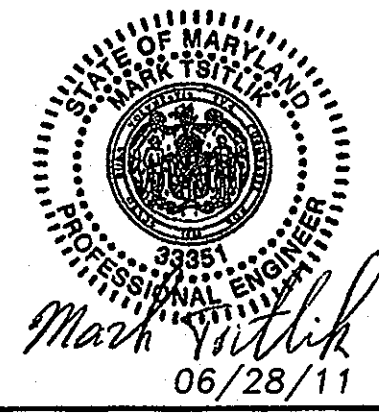
APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 7/26/11
 Chief, Development Engineering Division Date

[Signature] 7-22-11
 Chief, Division of Land Development Date



KCW Engineering Technologies, Inc.
 810 Landmark Drive, Suite 215
 Glen Burnie, MD 21061
 Phone: 410.768.7700
 Fax: 410.768.0200
 www.kcw-et.com



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. 33351.
 Expiration Date 06-30-2012.

OWNER:
 THE REDEEMED CHRISTIAN CHURCH OF GOD, INC.
 (VICTORY TEMPLE) LAUREL, MARYLAND
 13701 ANNAPOLIS ROAD
 BOWIE, MD 20720
 Attn: Bayo Adeyokunnu, Pastor
 Tele: (301) 352-0707
 Fax: (301) 352-3339

OWNER'S REPRESENTATIVE/ DEVELOPER:
 TLI DESIGNGROUP INC.
 3308 DORCHESTER ROAD
 BALTIMORE, MD 21215
 Attn: Taiwo Iluyomade, President
 Toll Free/Fax/Voice mail:
 (1-866) 616-1497
 Mobile: (443) 831-6703

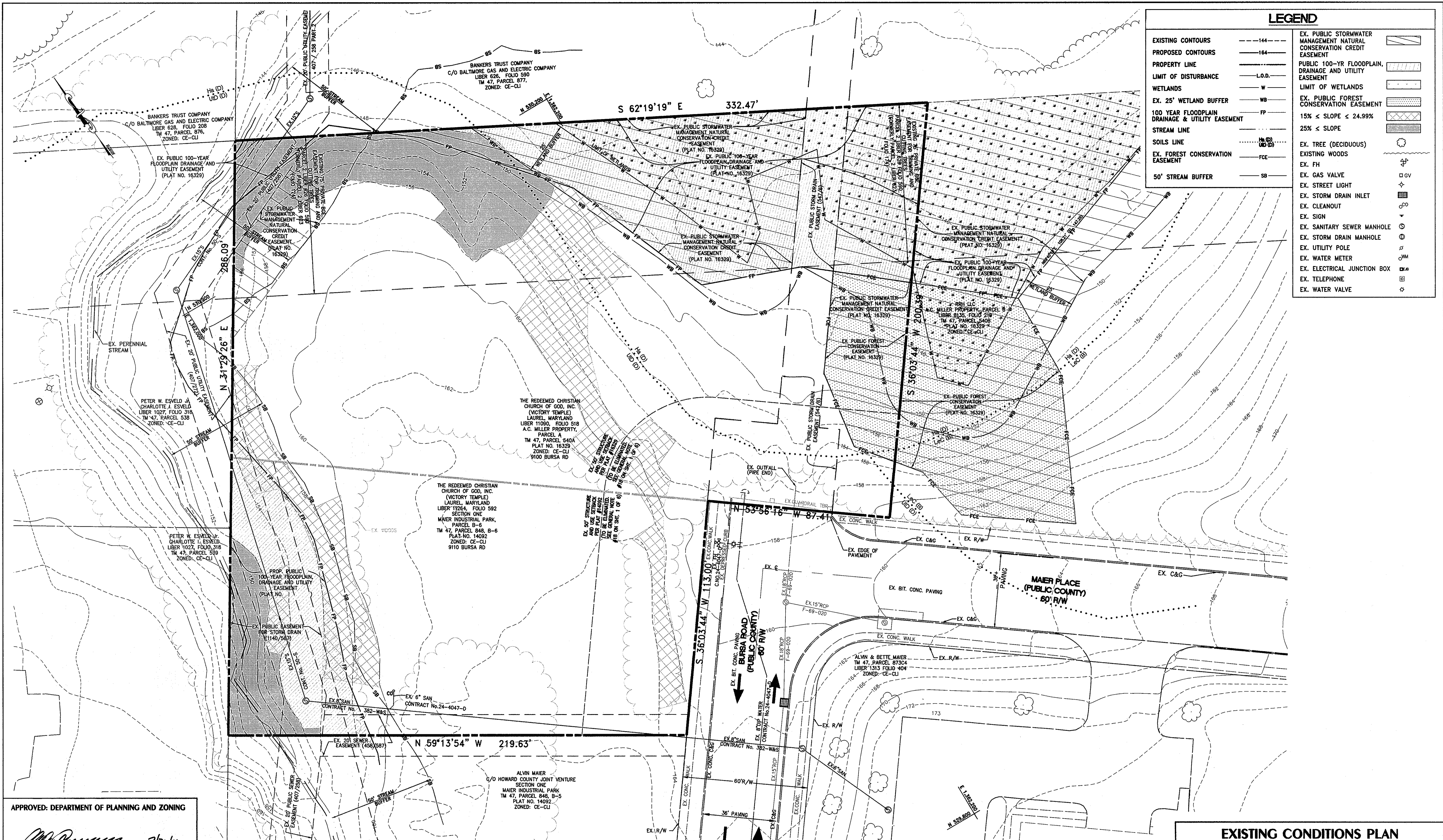
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 SCALE: AS SHOWN
 DESIGNED: MT
 DRAWN: MT
 CHECKED: KCA
 DATE: JUNE 28, 2011
 DRAWING NO.
1 OF 6

COVER SHEET

VICTORY TEMPLE - LAUREL

9100 BURSA ROAD

ECP-11-056	W&S CONTRACT No. 24-4047-D
TAX MAP 47	ZONING: CE-CLI
PARCEL 540 (PAR. A, PLAT #16329)	ELECTION DISTRICT - 6
PARCEL 848 (PAR. B-6, PLAT #14092)	HOWARD COUNTY, MARYLAND



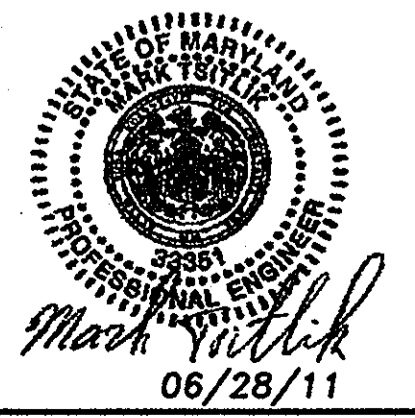
LEGEND			
EXISTING CONTOURS	---144---	EX. PUBLIC STORMWATER MANAGEMENT NATURAL CONSERVATION CREDIT EASEMENT	
PROPOSED CONTOURS	---164---	PUBLIC 100-YR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT	
PROPERTY LINE	---	LIMIT OF WETLANDS	
LIMIT OF DISTURBANCE	L.O.D.	EX. PUBLIC FOREST CONSERVATION EASEMENT	
WETLANDS	W	15% < SLOPE < 24.99%	
EX. 25' WETLAND BUFFER	WB	25% < SLOPE	
100 YEAR FLOODPLAIN DRAINAGE & UTILITY EASEMENT	FP	EX. TREE (DECIDUOUS)	
STREAMS LINE	---	EXISTING WOODS	
SOILS LINE	---	EX. FH	
EX. FOREST CONSERVATION EASEMENT	FCE	EX. GAS VALVE	
50' STREAM BUFFER	SB	EX. STREET LIGHT	
		EX. STORM DRAIN INLET	
		EX. CLEANOUT	
		EX. SIGN	
		EX. SANITARY SEWER MANHOLE	
		EX. STORM DRAIN MANHOLE	
		EX. UTILITY POLE	
		EX. WATER METER	
		EX. ELECTRICAL JUNCTION BOX	
		EX. TELEPHONE	
		EX. WATER VALVE	

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 7/26/11
 Chief, Development Engineering Division Date

[Signature] 7-22-11
 Chief, Division of Land Development Date

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 810 Landmark Drive, Suite 215
 Glen Burnie, MD 21061
 Phone: 410.768.7700
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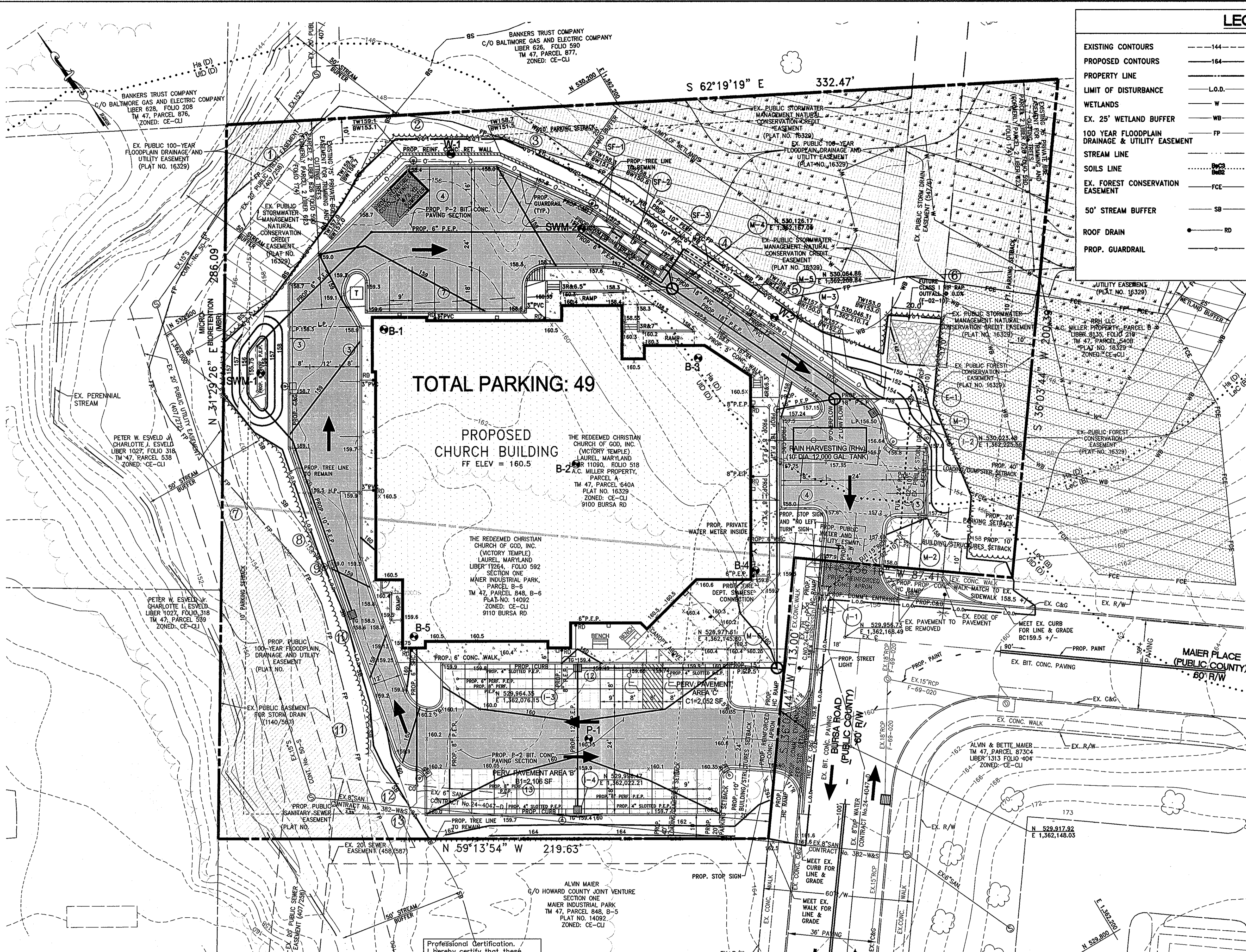
KCW J.O.: 2080018
 SCALE: 1" = 20'
 DESIGNED: MT
 DRAWN: MT
 CHECKED: KCA
 DATE: JUNE 28, 2011
 DRAWING NO.
2 OF 6

EXISTING CONDITIONS PLAN

VICTORY TEMPLE - LAUREL
 9100 BURSA ROAD

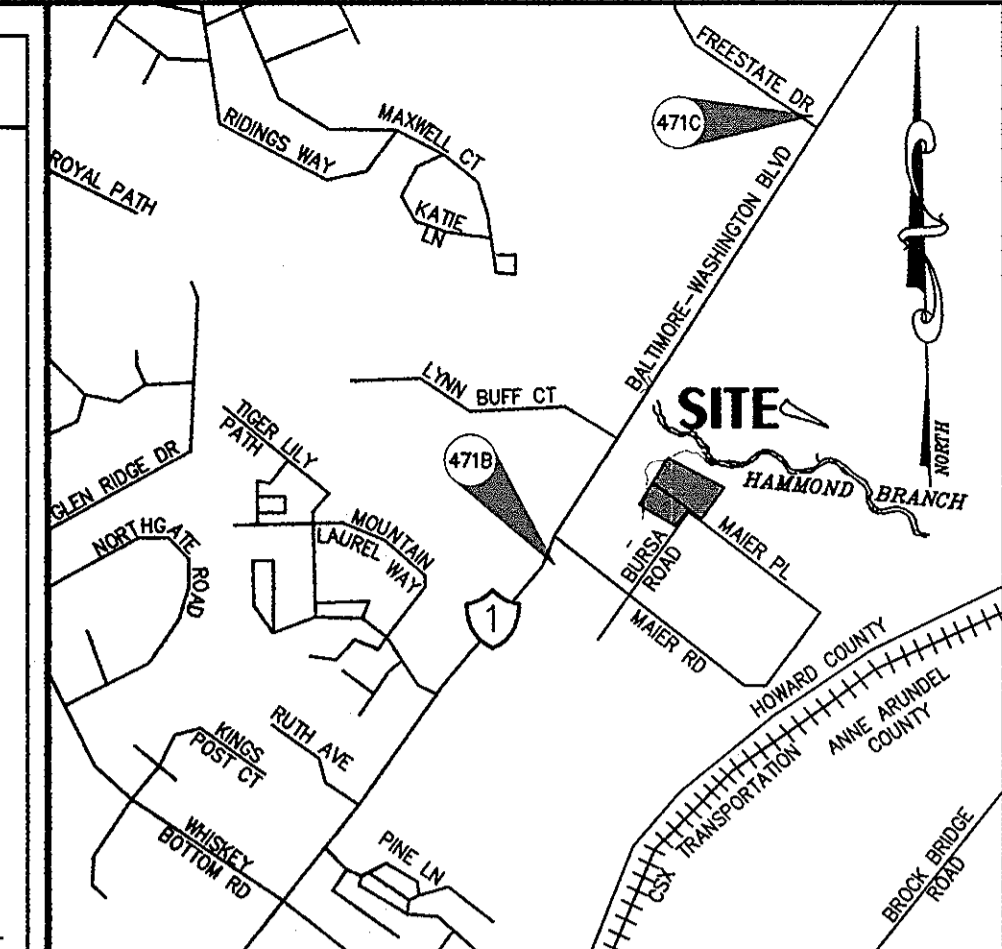
ECP-11-056
 TAX MAP 47
 PARCEL 540 (PAR. A, PLAT #16329)
 PARCEL 848 (PAR. B-6, PLAT #14092)

W&S CONTRACT No. 24-4047-D
 ZONING: CE-CLJ
 ELECTION DISTRICT - 6
 HOWARD COUNTY, MARYLAND



LEGEND

- EXISTING CONTOURS --- 144 ---
- PROPOSED CONTOURS --- 164 ---
- PROPERTY LINE - - - - -
- LIMIT OF DISTURBANCE L.O.D. - - - - -
- WETLANDS W
- EX. 25' WETLAND BUFFER WB
- 100 YEAR FLOODPLAIN DRAINAGE & UTILITY EASEMENT FP
- STREAM LINE - - - - -
- SOILS LINE - - - - -
- EX. FOREST CONSERVATION EASEMENT FCE
- 50' STREAM BUFFER SB
- ROOF DRAIN RD
- PROP. GUARDRAIL - - - - -
- EX. PUBLIC STORMWATER MANAGEMENT NATURAL CONSERVATION CREDIT EASEMENT
- PROP. PERVIOUS PAVEMENT
- PROP. CONCRETE
- PROPOSED BITUMINOUS CONCRETE PAVING
- PROPOSED REINFORCED CONCRETE APRON
- 100-YR FLOODPLAIN DRAINAGE AND UTILITY EASEMENT
- LIMIT OF WETLANDS
- EX. PUBLIC FOREST CONSERVATION EASEMENT
- PROPOSED LIMIT OF CLEARING
- EX. TREE (DECIDUOUS)
- EXISTING WOODS
- EX. FH
- EX. GAS VALVE
- EX. STREET LIGHT
- EX. STORM DRAIN INLET
- EX. CLEANOUT
- EX. SIGN
- EX. SANITARY SEWER MANHOLE
- EX. STORM DRAIN MANHOLE
- EX. UTILITY POLE
- EX. WATER METER
- EX. WATER VALVE
- PROP. SD MANHOLE
- PROP. PRIVATE STREET LIGHT
- PROP. WALL MOUNTED LIGHT FIXTURE (TYP.)
- PROP. SD INLET
- PROP. FIRE DEPT. SIAMENSE CONNECTION
- PROPOSED SIGN *
- PROP. PUBLIC STREET LIGHT ** (TO BE INSTALLED BY HOWARD COUNTY)
- PROP. KNOX BOX
- PROP. SAN. CO
- DOUBLE 5" YELLOW PAINT MARKINGS CENTERED ON ROADWAY
- PUPPY TRACKS (5" YELLOW PAINT) CENTERED IN ROADWAY



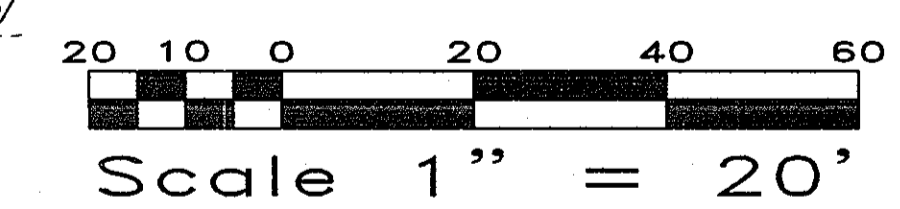
VICINITY MAP
SCALE: 1"=1000'

PUBLIC 100-YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT

PARCEL 540A - PUBLIC 100-YEAR FLOODPLAIN DRAINAGE AND UTILITY EASEMENT			
SYMBOL	BEARING	DISTANCE	ELEV. (AT BEGINNING)
1.	N 80°37'05"W	51.92'	148.99
	N 62°19'19"W	38.33'	150.00
	S 31°22'55"W	31.35'	144.23
2.	S 51°23'27"E	19.70'	149.56
	S 40°43'23"E	76.08'	149.22
4.	S 21°59'22"E	76.93'	148.05
5.	S 69°24'47"E	49.12'	148.00
6.	S 50°49'04"E	52.78'	147.38
	N 36°03'44"E	86.92'	147.11
	N 62°19'19"W	251.86'	145.02
PARCEL 848, B-6 - PUBLIC 100-YEAR FLOODPLAIN DRAINAGE AND UTILITY EASEMENT			
7.	S 41°59'07"E	34.84'	154.21
8.	S 39°45'51"E	16.51'	156.10
9.	S 26°17'51"E	14.24'	156.20
10.	S 14°28'10"E	44.20'	156.28
11.	S 10°54'34"E	24.06'	157.05
12.	S 21°36'04"E	23.25'	157.62
13.	N 22°41'41"E	6.57'	158.85
	N 59°13'54"W	68.40'	158.98
	N 31°29'26"E	133.69'	156.26
	N 00°36'13"E	11.77'	153.74

* SIGN POST: ALL SIGN POST USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.

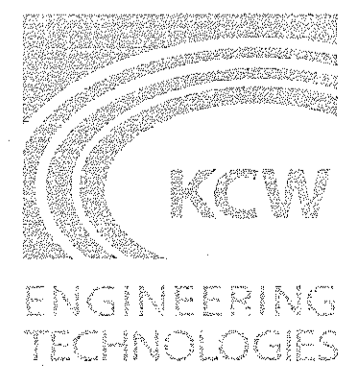
** 250 WATT HPS VAPOR SAG FIXTURES MOUNTED AT 30' ON A BRONZE FIBERGLASS POLE USING A 12' ARM.



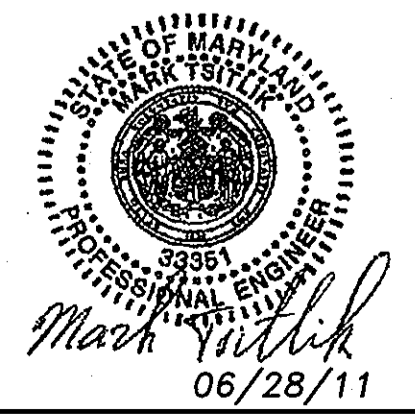
APPROVED: DEPARTMENT OF PLANNING AND ZONING

Adrian Dammann 7/26/11
Chief, Development Engineering Division Date

Kathleen 7-22-11
Chief, Division of Land Development Date



KCW Engineering Technologies, Inc.
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KCW J.O.: 2080018
SCALE: 1" = 20'
DESIGNED: MT
DRAWN: MT
CHECKED: KCA
DATE: JUNE 28, 2011
DRAWING NO.
3 OF 6

CONCEPT SITE DEVELOPMENT PLAN

VICTORY TEMPLE - LAUREL
9100 BURSA ROAD

ECP-11-056
TAX MAP 47
PARCEL 540 (PAR. A, PLAT #16329)
PARCEL 848 (PAR. B-6, PLAT #14092)

W&S CONTRACT No. 24-4047-D
ZONING: CE-CLJ
ELECTION DISTRICT - 6
HOWARD COUNTY, MARYLAND

ECP-11-056

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT FROM HOWARD COUNTY. THIS PROJECT MAY NOT BEGIN UNTIL THE RECEIVING PUBLIC STORMDRAIN SYSTEM F-02-010 IS CONSTRUCTED.
- NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AT 410-313-1880 AT LEAST 24 HOURS PRIOR TO COMMENCING ANY WORK.
- INSTALL BLAZE ORANGE MESH WHERE REQUIRED. (2 DAYS)
- CLEAR AND GRUB THE SITE FOR SEDIMENT CONTROL. (5 DAYS)
- INSTALL SEDIMENT CONTROL, INCLUDING STABILIZED CONSTRUCTION ENTRANCES, SUPER SILT FENCE, AND SILT FENCE. (5 DAYS)
- CLEAR AND GRUB THE REMAINING OF THE SITE. BEGIN GRADING SITE. (7 DAYS)
- INSTALL RETAINING WALL. WHEN PARKING AREA IS AT SUBGRADE INSTALL STORM DRAINS, STORMWATER MANAGEMENT SANDFILTERS, RAINWATER HARVESTING UNDERGROUND CISTERN. BLOCK THE INLET PIPE FOR RAINWATER HARVESTING UNDERGROUND CISTERN DURING SEDIMENT CONTROL PHASE. DO NOT INSTALL FILTER MEDIA AND GEOTEXTILE FABRIC IN SWM SANDFILTERS DURING SEDIMENT CONTROL PHASE. (60 DAYS)
- INSTALL REMAINING ON-SITE UTILITIES. CONSTRUCT BUILDING WITH ROOF DRAINS. (120 DAYS)
- INSTALL REMAINING SWM FACILITIES: PERVIOUS PAVEMENT AREAS "B" AND "C" AND MICRO-BIORETENTION. CARE SHOULD BE TAKEN NOT TO ALLOW ANY SEDIMENT LADEN RUNOFF INTO ANY SWM FACILITIES. INSTALL REMAINING CURB AND GUTTER. (30 DAYS)
- FINE GRADE AND PAVE THE SITE. (5 DAYS)
- UPON STABILIZATION OF ALL DISTURBED AREAS AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND VEGETATIVELY STABILIZE THE AREA DISTURBED BY THIS PROCESS. (3 DAYS)
- PLACE FILTER MEDIA AND GEOTEXTILE FABRIC IN SWM SANDFILTERS. REMOVE ALL PLUGS FROM STORMDRAIN PIPES USED FOR SEDIMENT CONTROL PHASE. (2 DAYS)

SOIL TYPES TABLE

HA Hathoro-Codorus silt loam, 0-3% slopes
 Hathoro component makes up 60% of the map unit. The assigned Kw erodibility factor is .37. This soil is poorly drained. The slowest permeability within 60 inches is slow. Available water capacity is very high and shrink swell potential is low. This soil is occasionally flooded and is frequently ponded. The top of the seasonal high water table is at 3 inches. It is nonirrigated land capability class 5w. This component is a hydric soil. The depth to a restrictive feature is greater than 60 inches.
 Codorus component makes up 35% of the map unit. The assigned Kw erodibility factor is .37. This soil is moderately well drained. The slowest permeability within 60 inches is moderate. Available water capacity is very high and shrink swell potential is low. This soil is occasionally flooded and is not ponded. The top of the seasonal high water table is at 24 inches. It is nonirrigated land capability class 2w. This component is not a hydric soil.

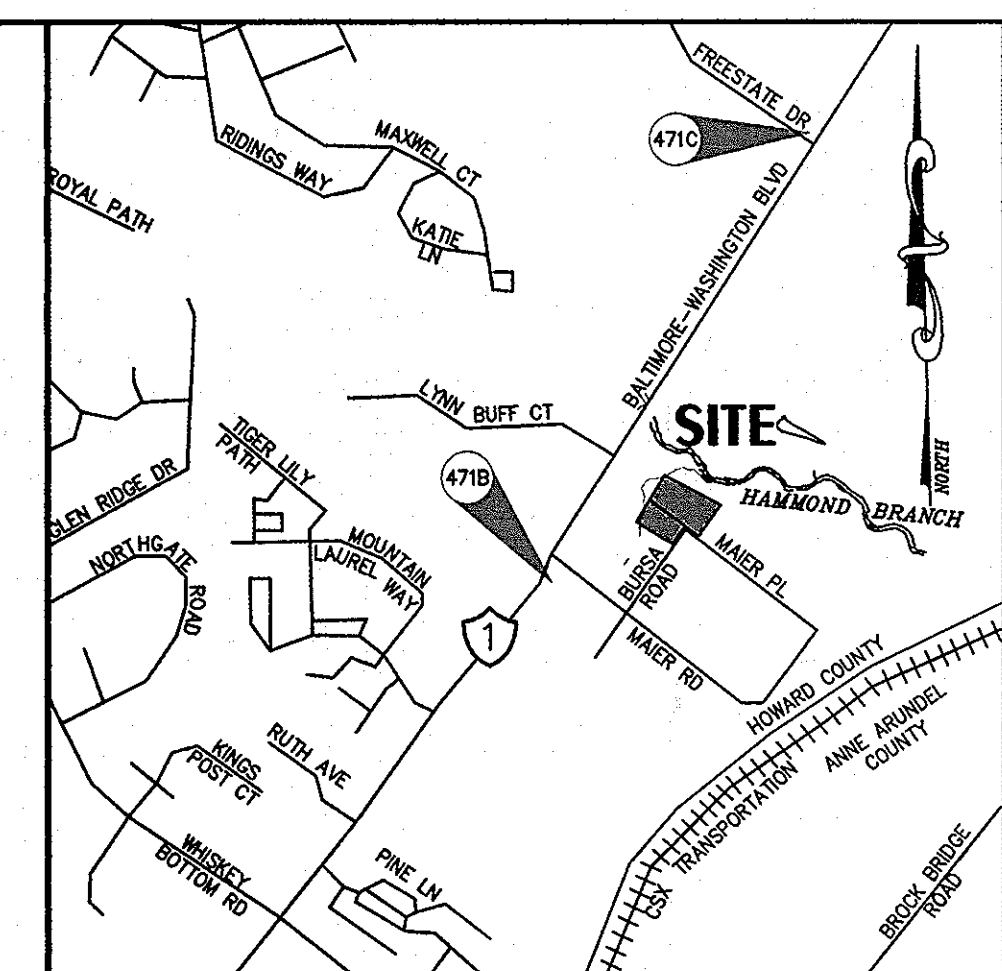
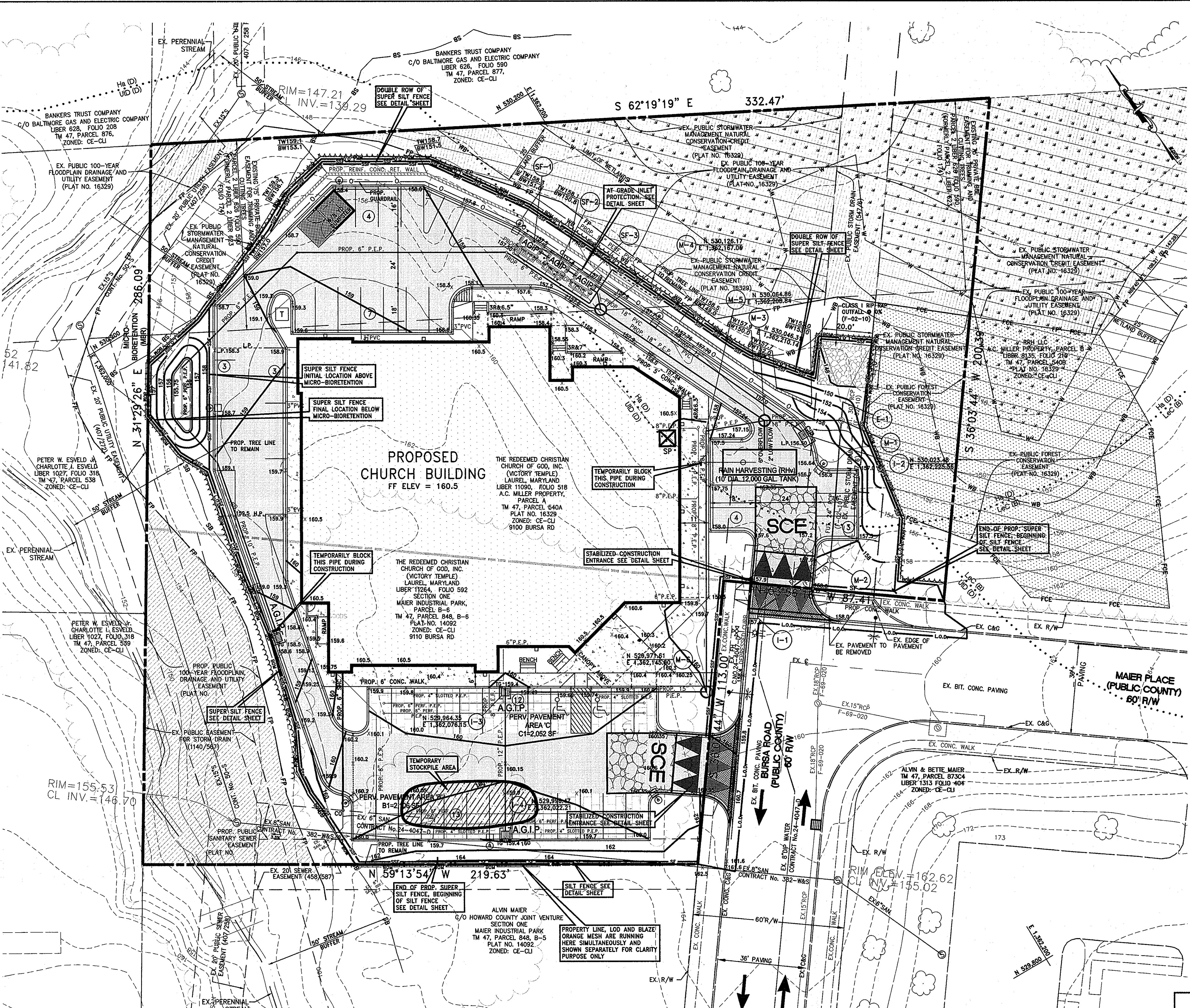
LEGORE URBAN - 4 to 10 feet depth to bedrock; 20+ feet to water table; slight to moderate limitations for sewage disposal fields and homes with basements depending on slopes; erosion hazard.

LIMIT OF DISTURBANCE
 1.32 Ac. / 57,500 S.F.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John D. ... 7/26/11
 Chief, Development Engineering Division Date

Ket ... 7-22-11
 Chief, Division of Land Development Date



VICINITY MAP SCALE: 1"=1000'

SEDIMENT CONTROL LEGEND

EXISTING CONTOURS	---
PROPOSED CONTOURS	---
PROPERTY LINE	---
LIMIT OF DISTURBANCE	---
BLAZE ORANGE MESH	---
WETLANDS	---
100' WETLAND BUFFER	---
25' WETLAND BUFFER	---
100' YEAR FLOODPLAIN DRAINAGE AND UTILITY EASEMENT	---
SOILS LINE	---
SILT FENCE	---
SUPER SILT FENCE	---
STREAM BUFFER	---
FOREST CONSERVATION EASEMENT	---
0% < SLOPE < 14.99%	---
15% < SLOPE < 24.99%	---
25% < SLOPE	---
EXISTING WOODS	---
PROPOSED LIMIT OF CLEARING	---
AT GRADE INLET PROTECTION	---
CURB INLET PROTECTION	---
STABILIZED CONSTRUCTION ENTRANCE W/MOUNTABLE BERM	---
MOUNTABLE BERM	---
SUMP PIT	---

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

HOWARD SCD _____ 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.

Mark Tstlik 06/28/11
 MARK TSTLIK, P.E. 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

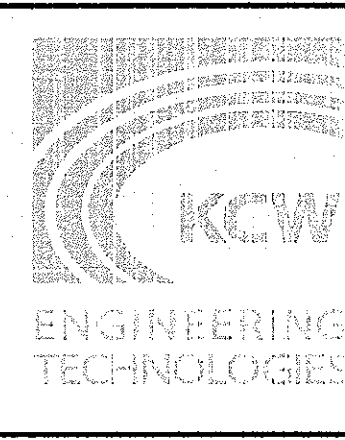
Margaret Adeyokunnu 4-29-11
 (Signature of Property Owner/Agent) (Print Name of Owner/Agent) (Date)

CONCEPT SEDIMENT CONTROL PLAN

VICTORY TEMPLE - LAUREL
 9100 BURSA ROAD

ECP-11-056
 TAX MAP 47
 PARCEL 540 (PAR. A, PLAT #16329)
 PARCEL 848 (PAR. B-6, PLAT #14092)

W&S CONTRACT No. 24-4047-D
 ZONING: CE-CU
 ELECTION DISTRICT - 6
 HOWARD COUNTY, MARYLAND



KCW Engineering Technologies, Inc.
 810 Landmark Drive, Suite 215
 Glen Burnie, MD 21061
 Phone: 410.768.7700
 Fax: 410.768.0200
 www.kcw-et.com



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. 33351. Expiration Date 06-30-2012.

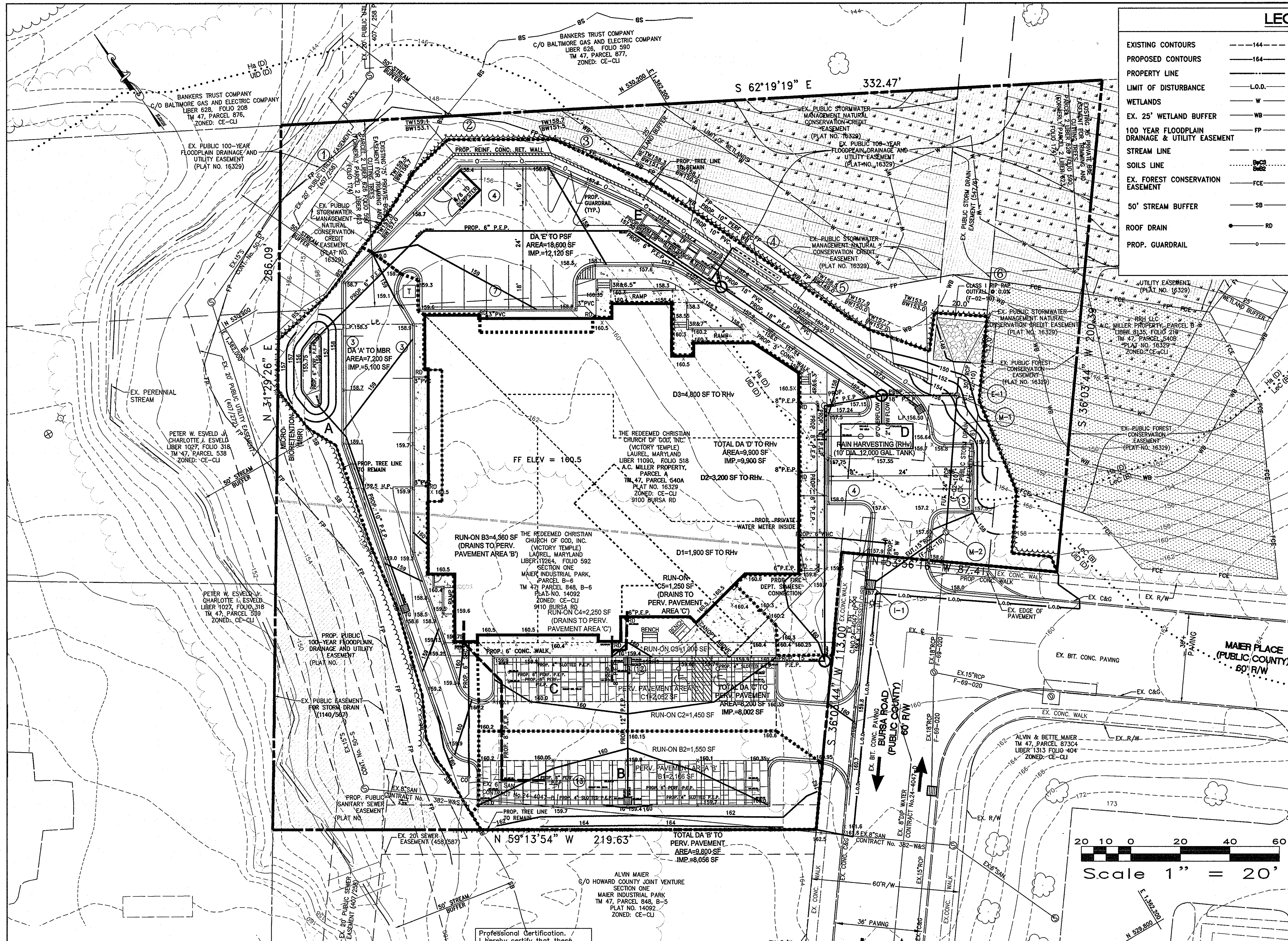
OWNER:
 THE REDEEMED CHRISTIAN CHURCH OF GOD, INC.
 13701 ANNAPOLIS ROAD
 BOWIE, MD 20720

Attn: Bayo Adeyokunnu, Pastor
 Tele: (301) 352-0707
 Fax: (301) 352-3339

OWNER'S REPRESENTATIVE/ DEVELOPER:
 TLI DESIGNGROUP INC.
 3308 DORCHESTER ROAD
 BALTIMORE, MD 21215

Attn: Taiwo Iloyomade, President
 Toll Free/Fax/Voice mail:
 (1-866) 616-1497
 Mobile: (443) 831-6703

KCW J.O.: 2080018
 SCALE: 1" = 20'
 DESIGNED: MT
 DRAWN: MT
 CHECKED: KCA
 DATE: JUNE 28, 2011
 DRAWING NO.
4 OF 6



LEGEND	
EXISTING CONTOURS	---144---
PROPOSED CONTOURS	---164---
PROPERTY LINE	---
LIMIT OF DISTURBANCE	L.O.D.
WETLANDS	W
EX. 25' WETLAND BUFFER	WB
100 YEAR FLOODPLAIN DRAINAGE & UTILITY EASEMENT	FP
STREAM LINE	---
SOILS LINE	---
EX. FOREST CONSERVATION EASEMENT	FCE
50' STREAM BUFFER	SB
ROOF DRAIN	RD
PROP. GUARDRAIL	---
EX. PUBLIC STORMWATER MANAGEMENT NATURAL CONSERVATION CREDIT EASEMENT	---
PROP. PVIOUS PAVEMENT	---
PROP. CONCRETE	---
PROPOSED BITUMINOUS CONCRETE PAVING	---
PROPOSED REINFORCED CONCRETE APRON	---
100-YR FLOODPLAIN DRAINAGE AND UTILITY EASEMENT	---
LIMIT OF WETLANDS	---
EX. PUBLIC FOREST CONSERVATION EASEMENT	---
PROPOSED LIMIT OF CLEARING	---

DESIGN NARRATIVE

Project Description
 It is proposed to develop two vacant parcels of land in the Maier Industrial Park with a worship center and associated parking, hardscape and landscaping. Total site area of both parcels is 1.94 acres. The parcels, A.C. Miller Property, Parcel A and Maier Industrial Park, Parcel B-6 are zoned CE-CL and located at the intersection of Maier Place and Bursa Road within existing business park along Baltimore Washington Boulevard (U.S. RTE 1). The property is a subject to Route 1 Manual. The Route 1 Manual goal is to achieve intensive urban-looking development. DPZ Director's endorsement of Design Advisory Panel (DAP) 2010-05-26 recommendations has been received for proposed development.

Existing Site Conditions
 Surrounding land uses include undeveloped section of the business park to the south, industrial use section to the east, a parcel owned by BGE associated with their transmission lines to the north, and the auto repair facility to the west.
 On the north side the site is surrounded by Hammond Branch (a tributary to Little Patuxent River) with associated floodplain and wetlands. On the west side the site is surrounded by meandering ephemeral stream with associated floodplain, a tributary to Hammond Branch. Currently the site is predominately wooded and slopes down toward an ephemeral stream and Hammonds Branch floodplain. All soils on site are 100% HSG 'D'

The site area has been a subject to a previous design and review process through DPZ. Existing wetlands, floodplains, stream buffers and forest conservation areas have been delineated, approved and recorded during Subdivision of A.C. Miller Property (F-02-010), plats # 16229 through 16332, recorded 11/20/03. Additional floodplain has been delineated and technically approved during Site Development Plan for Singh Property (SDP-07-022).

Proposed Development
 It is proposed to locate new development away from environmentally sensitive areas. The proposed Limit of Disturbance is 1.32 acres and doesn't include any disturbance within wetlands, wetland buffers, floodplains and stream buffers. It is proposed to locate building with associated parking centrally as close to existing Bursa Road and Maier Place as possible, as is consistent with Route 1 Manual. It is proposed to construct concrete retaining wall along the north side of development to bring the site up out of the low land and allow for circulation and parking at the rear of the building.

SWM Design Criteria
 In accordance with Howard County's Stormwater Management criteria, it is required to provide Environmental Site Design (ESD) and Recharge Volume (Rev) for the development of this site. The concept for how these criteria would be addressed was discussed during two pre-submittal meetings with Charles Dammers and James Wimer of Howard County's Development Engineering Division. In those meetings it was determined the best approach for meeting ESD to the MEP in a way most suited for the unique specifics of the property and its developed conditions. The results of this coordination have been incorporated into the current design for SWM ESD, as follows:
 1. Environmental Site Design will be provided by a combination of the micro-scale practices (Micro-Bioretenation, Rainwater Harvesting), alternative surfaces (Pervious Pavements), and use of more traditional BMPs (Perimeter Sandfilters) throughout the site.
 2. Recharge Volume (Rev) will be provided in stone-filled reservoir directly below Pervious Pavement Area 'B' underdrain system.
 3. Channel Protection Volume (Cpv) is satisfied, because the required ESDv has been provided.

Preliminary ESD Options
 On the West side of the development it is proposed to provide Micro-Bioretenation practice (Drainage Area 'A') located just above 50 feet wide wooded stream buffer. Overflow from this facility drains via sheetflow down toward ephemeral stream. Principal outfall from this and all other SWM facilities will be directed to the previously approved (F-02-10) public storm drain system located within an existing public storm drain easement (547/6) on site. It is not physically possible to outfall any SWM practices separately without encroaching in the sensitive areas due to the underdrain invert elevations. Another consideration for a single outfall is that the proposed development is really compact, the entire developed portion of the site is only 1.25 acres; separate outfalls would quickly join together anyway. Proposed outfall location is an existing outfall for the business park. It is located on the flat grade and can provide more protection against erosion than other alternatives. It is suggested that previously approved Rip-Rap Outfall Protection can be revised with more environmentally friendly and compact Plunge Pool instead if the County agrees.

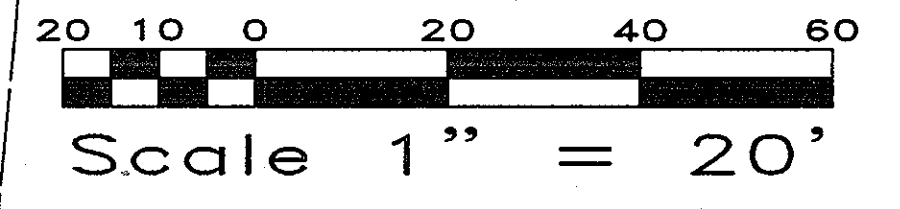
On the South side of the development it is proposed to provide two separate areas of Pervious Pavement (Drainage Areas 'B' and 'C') under parking spaces. Due to hydrologic classification of existing soils underdrains and overdrains will be provided to dewater unfiltered water. 12" subbase has been designed to ensure sufficient "freeboard" within the section. Additional 24" of stone storage will be provided to treat run-on.

On the East side of the development three roofdrains will direct roof runoff to an underground Rainwater Harvesting cistern (Drainage Area 'D') under parking lot. The cistern is expected to be 8' diameter 12,000 gallon cistern. It is proposed to dewater 60% of the cistern within 72 hours after rain event and thus providing a benefit to the wetlands downstream. The other 40% of the rainwater storage will be used to water landscaping between the rains and during drought periods.

On the North side of the proposed development near proposed concrete retaining wall a series of Perimeter Sandfilters (Drainage Area 'E') shall be used to provide remaining ESDV. This will be made up of three interconnected pre-cast units. The immediate area is in fill and it is undesirable to create additional hydrostatic pressure against the wall using micro-scale practice. It was determined that perimeter sandfilter is most suitable practice for this location.

Reduction of impervious area was accomplished through better site design (providing only 12' wide driveway for one-way only traffic circulation on east and west sides of site) and through the use of alternative surfaces (Pervious Pavements on south side).

Erosion and Sediment Control Plan has been integrated into SWM strategy. Sequence of Construction lists all SWM facilities and steps necessary to prevent them from contamination by the sediment laden runoff and over compaction.



LIMIT OF DISTURBANCE
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OWNER'S REPRESENTATIVE/ DEVELOPER:
 TLI DESIGNGROUP INC.
 3308 DORCHESTER ROAD
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 Attn: Taiwo Ilyuyomade, President
 Toll Free/Fax/Voice mail:
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 Mobile: (443) 831-6703

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6 OF 6

CONCEPT SWM ESD PLAN
VICTORY TEMPLE - LAUREL
 9100 BURSA ROAD
 ECP-11-056
 TAX MAP 47
 PARCEL 540 (PAR. A, PLAT #16329)
 PARCEL 848 (PAR. B-6, PLAT #14092)
 W&S CONTRACT No. 24-4047-D
 ZONING: CE-CL
 ELECTION DISTRICT - 6
 HOWARD COUNTY, MARYLAND

APPROVED: DEPARTMENT OF PLANNING AND ZONING

W. J. ... 7/20/11
 Chief, Development Engineering Division Date
W. J. ... 7-22-11
 Chief, Division of Land Development Date

KCW ENGINEERING TECHNOLOGIES
 KCW Engineering Technologies, Inc.
 810 Landmark Drive, Suite 215
 Glen Burnie, MD 21061
 Phone: 410.768.7700
 Fax: 410.768.0200
 www.kcw-et.com

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. 33351.
 Expiration Date 06-30-2012.

 Mark Gulik
 06-28-11

OWNER:
 THE REDEEMED CHRISTIAN CHURCH OF GOD, INC.
 13701 ANNAPOLIS ROAD
 BOWIE, MD 20720
 Attn: Bayo Adeyokunnu, Pastor
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