PART I

- 1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE
- 2. THE TOPOGRAPHY SHOWN HEREON IS BASED ON AN AERIAL SURVEY BY VRM
- 3. HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/'91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 3511 AND 3512. ALL VERTICAL CONTROLS ARE BASED ON (NAVD' 27). VERTICAL CONTROLS
- ALL VERTICAL CONTROLS ARE BASED ON (NAVD 27). VERTICAL CONTROLS PROVIDED ON DRAWINGS ARE:

 GEODETIC SURVEY CONTROL 3511 (N 557110.405/E 1344893.679)

 BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED AT BETWEEN FREETOWN RD AND GIANT PARKING LOT, E OF CEDAR LANE; AND 41'SW OF CROSS BAT AND 4.3'N OF SIGN.

 GEODETIC SURVEY CONTROL 3512 (N 555100.777/E 1342733.051)

 BRASS DISC SET ON TOP OF A CONCRETE MONUMENT, LOCATED AT 10.6'W OF CEDAR LANE; AND 31.6'N AND 21.8'S OF
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0"
- COMPANIES TO SCHEDULE THE BRACING OF THE POLES. SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE

REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY

- NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATION
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES BGE (CONTRACTOR SERVICE). BGE (EMERGENCY). BUREAU OF UTILITIES. COLONIAL PIPELINE CO.
- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR
- 10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
- AT (410) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

PART II - WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED
- 5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

PART III - SEWER

- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C UNLESS OTHERWISE NOTED. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE
- FRAME AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN

ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS

AND WITH SITE DEVELOPMENT PLAN SDP-06-102.

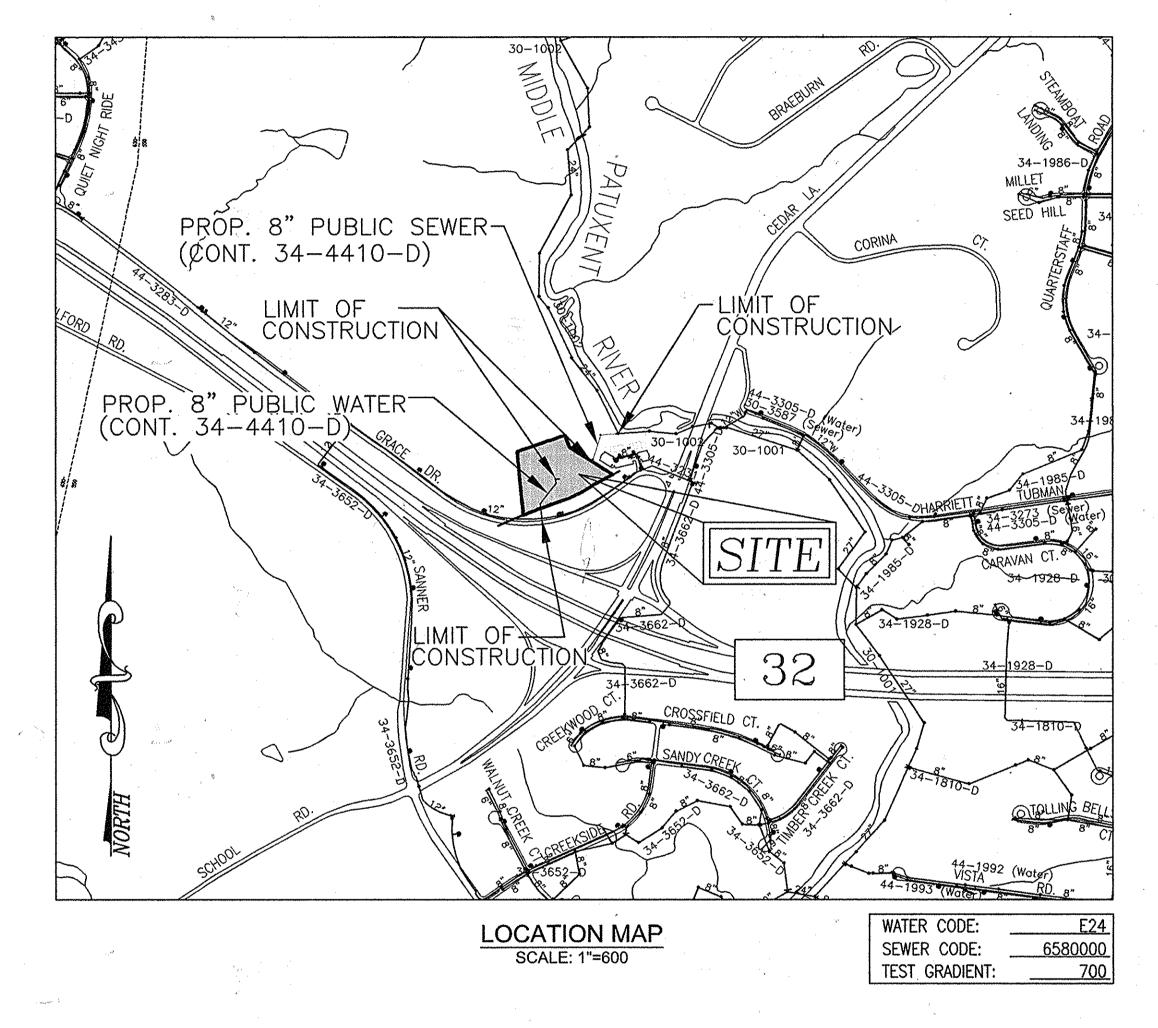
THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

6-1-07

FINAL WATER AND SEWER PLAN

BALTIMORE SEVENTH DAY ADVENTIST KOREAN CHURCH PARCEL NO. 86 CONT.NO.-34-4410-D

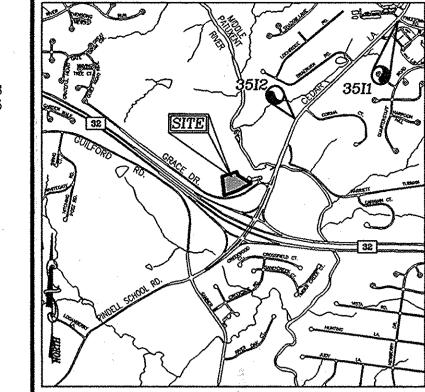


Type of Building:	CHURCH
No. of Lots/Parcels :	1
No. of single Water House Connections :	1
No. of twin Water House Connections :	<u> </u>
No. of Sewer House Connections :	0
Sewer Shed:	PATAPSCO RIVER LOWER NORTH BRANCH
Treatment Plant :	PATAPSCO RIVER

BENCHMARKS

COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS 13G1, 24C2.

N 557,110.367 E 1,344,893.647 ELEV. 400.068 N 555,100.814 E 1,342,733.092 ELEV. 329.743



		QUANT	TTIES	
AME OF UTILITY CON	TRACTOR:	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
URVEY AND DRAFTING	DIVISION AS-BUILT DA	TE:		
	QUANTITIES	AS-BUILT		
ITEMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
		WATER		<u> </u>
2"x8" TAPPING SLEEVE	1 EA	<u> </u>		Smith Blair/Ferguson
2"x6" TAPPING SLEEVE	1 EA			
8" WATER	. 293 LF	293		Atlantic State/Ferguson
6" WATER	37 LF	37		
8" X 6" TEE	1 EA	ı		Tyler Union / Ferguson
8" VALVE	2 EA	,		II II
6" VALVE	2 EA	ŧ		Mullar Company/ Ferguson
6" FIRE HYDRANT	2 EA	1		1
8" 1/8 BEND	2 EA	2		Tyler Union / Ferguson
B" CAP AND BUTTRESS	1 EA	1		N N
		SEWER		
8" SEWER	282 LF		PUC 8"	North American / Ferguson
STD. MANHOLE	1 EA			
YPE 'A' DROP MANHOLE	1 EA			
YPE 'B' DROP MANHOLE	2 EA			

OWNER/DEVELOPER CHESAPEAKE CONFERENCE ASSOCIATION OF SEVENTH DAY ADVENTISTS 6600 MARTIN ROAD COLUMBIA, MARYLAND 21044

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS 8407 Main Street Tel: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



Manage Property of the Control of th	DES:	DZ					CINIAL WATE	- D
33 3807	DRN:	DZ					FINAL WATE	
Mile Committee	CHK:	RHV	RHV	1		12.7.15	·)VEI
No. 16193	DATE:	MAY 2007	BY	NO.	APVANCED DEPOSIT ORDER REVISION	DATE	600' SCALE MAP NO.	35

FINAL WATER AND SEWER PLAN **COVER SHEET**

BALTIMORE SEVENTH DAY ADVENTIST KOREAN CHURCH CONTRACT NO. 34-4410-D

TAX MAP 35 BLOCK 22

BLOCK NO. 22 5TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SDP-06-102

