	QUAN	ITITIES		
		AS-BUILT		
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/ SUPPLIER
8" WATER MAIN	247 LF	229 LF	CL54 DIP	GRIFFIN PIPE/BELAIR ROAD SUPPL
6" WATER		6LF	CLS4 PIP	GRIFFIN PIPE/BELAIR ROAD SUPPLY
16"x 8" TAPING SLEEVE & VALVE			PSOR GATE	MUELLER CO:/BELAND ROAD OWERLY
B"CAP & BUTTRESS, W/ 1-1/2' DRAIN			40"	HURTIER CO JOSEPH ROAD STEPS
FIRE HYDRANT	I EA.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.0"	MUELLER CO. BELAIR ROAD SUPPLY
I' WHC	265 LF	99 LF	COPPER	CAMBRIDGE LEE/BELAIR ROAD SUPPLY
8" VALVE	I EA.		RSOR GATE	MUELLER CO. BELAIR ROAD SUPPLY
8" SEWER MAIN	228 LF	222 LF	PVC SDR-35	JM EAGLE /BELAIR ROAD SUPPLY
MANHOLE	3 EA.	3	PRECAST	FREDERICK PRELAST CONCRETE
4" SHC	275 LF	83.5 LF	PVC	IM EAGLE BELAIR ROAD SUPPLY
TYPE 'B' DROP CONN.	2 EA.		PVC SDR-35	PLASTICTRENDS BELAIR ROAD SUPPL
16" x 8" TAPPING SLEEVE	I EA.	1	STAINLESS STEEL	ROMACINOUSTRIES BELAIR ROAD SUPPLY
TEST PITS	12 C.Y.			
6" VALVE	: .	i l	RSORGATE	MUELLERCO. / BELAIR ROAD SUPPLY
PAVING REPLACEMENT	8 S.Y.	30.2 S.Y.		LAUREL ASPHALT
MAINTENANCE OF TRAFFIC	· .	L.S.		F.L. COOKE
8"CAP & BUTTRESS) EA.	1	D.I.	SIGMA CORP. UTILITIES UNLIMITE
W/ 1-1/2" DRAIN	I EA.	1	13-25000 cc x FI	MUELLER CO. / BELAIR ROAD SUPPLY
NAME OF UTILITY CONTRACTOR	CUTILITIES UNLI	MITED		
SURVEY AND DRAFTING DIVISION				

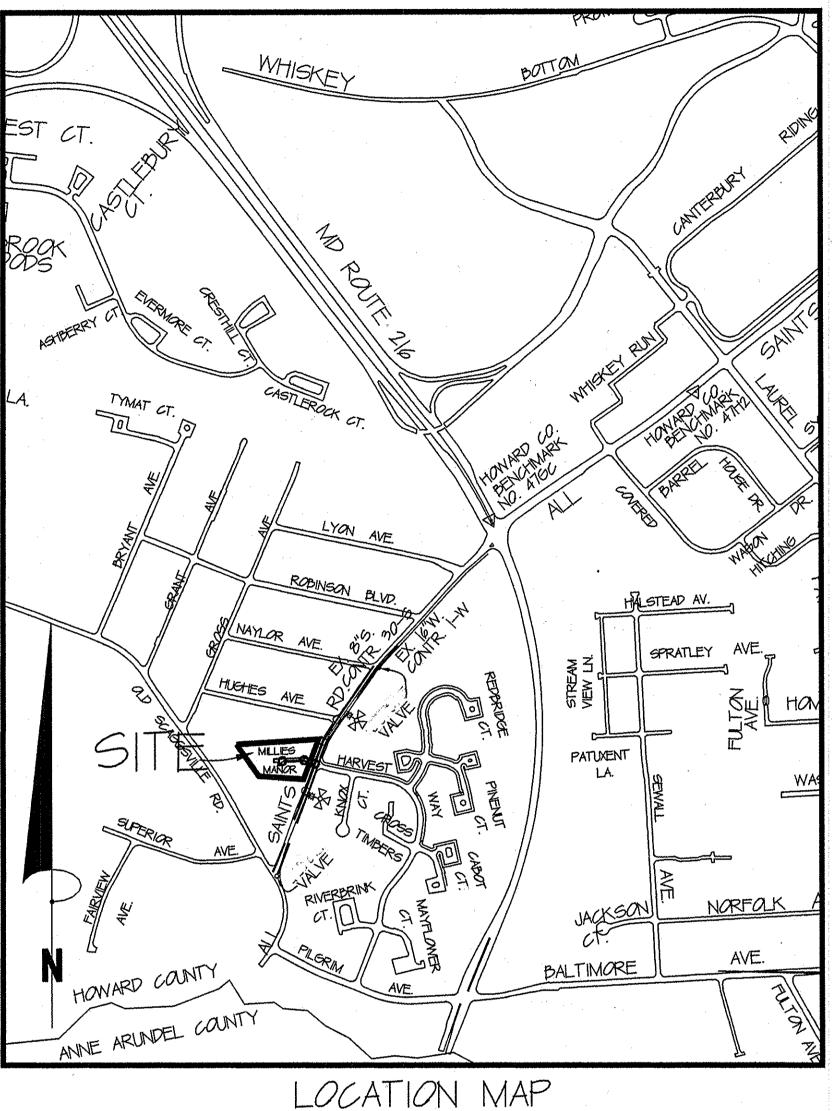
LOT NUMBER	MEASUREMENT 1	MEASUREMENTZ	MEASUREMENT 3	
1	*45' FROM SMH-694,10'	LENGTH,9' DEPTH WINE	D TAKEN FROM SEWERA	COUNT CAR
2	32' TO LOT 4 SHC	54.5' TO LOT 5 SHC	65' TO 6" VALVE	
3	19' TO SMH-3	29' TO 6" VALVE		`
4	48' TO 6" VALVE	32' TO LOT 2 SHC	58.5' TO LOT 5 SHC	
5	58.5' TO LOT 4 SHC	54.5' TO LOT 2 SHC	41.5' TO SMH-2	
6	60' TO LOT 5 SHC	25.5'TO SMH-2	48.5 TO SMH-1	
- 9	7' TO SMH-3	10.51 TO LOT 9 WHC	30.5' TO GI VALVE	e e

WHC			
LOT NUMBER	MEASUREMENT I	MEASUREMENT Z	MEASURE MENT 3
1	26.5' TO LOT 5 WHC	53.5' TO SMH-2	31' TO LOT 2 SHC
2	8' TO LOT 2 SHC	26' TO LOT 4 SHC	57' TO 6" VALVE FORE
3	7.5' TO LOT 3 SHC	21.5' TO SMH-3	2.5' TO WATER METER
Ч .	8' TO LOTH SHC	29' TO LOTZ WHC	40' TO 6" VALVE FOR FH
5	9' TO LOTS SHC	26.5 TO LOT I WHC	50' TO LOT 4 SHC
6	10' TO LOT 6 SHC	20' TO SMH-2	50.5' TO LOTS SHC
- 9	10.5'-TO LOT9 SHC	11,5' TO SMH-3	24.5' TO LOT 3 WHC

TYPE OF BUILDING - SINGLE FAM DET. NO. OF LOTS/PARCELS - 7 NO. OF WATER HOUSE CONNECTIONS - 6 (I-EXISTING) NO. OF SEWER HOUSE CONNECTIONS - 6 (I-EXISTING) SEWER SHED- LITTLE PATUXENT PUMPING STATION- ROUTE 108 WATER ZONE - 400

LOT

, 料7



SCALE: 1"=600"

WATER AND SEWER PLAN THE PRESERVE AT MAPLE HILL A RESUBDIVISION OF MAPLE HILL

LOT #6 (PLAT #3639)

OWNER/DEVELOPER: HARMONY ALL SAINTS LLC. 4228 COLUMBIA ROAD ELLICOT CITY, MD 2/042-59/8

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL

EROSION AND SEDIMENT CONTROL BY THE HOWARD

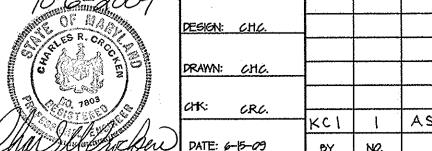
SOIL CONSERVATION DISTRICT FOR EXCESS F. 09.94

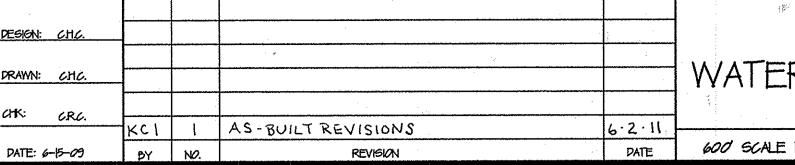
I HEREBY CERTIFY THAT THESE DOCUMENTS WHERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND

940 ALL SAINTS ROAD

6TH ELECTION DISTRICT TAX MAP 50, GRID 2, PARCEL 485 HOWARD COUNTY, MARYLAND

Prepared by: DEPARTMENT OF PLANNING & ZONING CHARLES R. CROCKEN AND ASSOCIATES, INC. Civil Engineering — Land Planning 902 LEE AVENUE SYKESVILLE, MD 21784 Te1. (410) 549-2708 Fax. (410) 549-9063





FINAL CONSTRUCTION

THE PRESERVE AT MAPLE HILL

A RESUBDIVISION OF MAPLE HILL

LOT #6(PLAT#3639) 9410 ALL SAINTS ROAD CONTRACT NO. 24-4628-D

VICINITY MAP SCALE: |" = 2000

GENERAL NOTES:

- I. 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 CONTRACTOR'S
- 2. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED BY LDE, INC. ON OR ABOUT 05/08 AND VERIFIED BY CHARLES R. CROCKEN & ASSOCIATES, INC.
- 3 ALL HORIZONTAL CONTROLS ARE DASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/'91.
 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROLS STATIONS: NO. 47H2 N 529706A429 E 1355A45.3779 ELEV. 25620 NO. 47GC N 528939.7522 E 1354223.5929 ELEV. 226.324
- ALL VERTICAL CONTROLS ARE BASED ON NAVO '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE HOWARD COUNTY SECRETIC CONTROL STATION 476C, CONCRETE MONUMENT.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS
- 5. CLEAR ALL UTILITIES BY MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-O" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL Pales, any cost incurred by the owner for pracing of additional pales or DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR . THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE PRACING OF THE POLES.
- 6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHOPS USE HOWARD COUNTY DESIGN MANUAL. VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE
- 7. WHERE TEST PITS HAVE BEEN MADE ON EXITING UTILITIES THEY ARE NOTED BY THE SYMBOLS AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS ARE INCLUDED ON THE DRAWINGS, EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- 8. CONTRACTORS SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK ON THESE PLANS;

BESSE CO. CONTRACTORS SERVICES BOSSE CO. UNDER GROUND DAMAGE CONTROL. BUREAU OF UTLITIES COLONIAL PIPELINE CO. MISS UTILITY STATE HIGHWAY A DMINISTRATION

40-787-9068 410-313-4300 410-795-1390 1-800-157-7777 410-313-4900 1-800749-0033/410-224-9210

- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES
 AND SCRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED
 OR DAMAGED BY THE CONTRACTOR.
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR
- II. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT 410-313-7450 AT LEAST FIVE(5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS 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
- 12. ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
- 13. TAPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-6" COVER UNLESS OTHERWISE
- 14. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 15. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 16. 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. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 100 STANDARD SPECIFICATIONS.
- 17. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 18. ALL SEWER MAINS SHALL BE DIP OR PVC UNLESS OTHERWISE NOTED.
- 19. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 20. FORCE MAINS SHALL BE DIP. ONLY.
- 21. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICKMANHOLES ONLY.
- 22. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 65.52.
- 23. WHERE WATERTIGHT MANHALE FRAME AND COVER IS USED, SET TOP OF FRAME 1"-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS
- 24. HOUSE(S) WITH THE SYMBOL "CNS." INDICATES THAT CELLAR CANNOT BE SERVED. 25. THE FIRE HYDRANT ON THE ROAD SHALL BE INSTALLED (a) 3 FEET FROM THE BACK OF THE CURB CURB OR (b) 2- FEET FROM THE FACE OF THE CONCRETE SIDEWALK.

SCALE AS SHOWN

SHEET OF 2

HOWARD SOIL CONSERVATION DISTRICT

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

PROFESSIONAL CERTIFICATION

LICENSE NO. 7803 EXPIRATION DATE 4/22/2011.

600 SCALE MAP NO. 37 BLOCK NO. 14 SIXTH ELECTION DISTRICT, TAX MAP #50, GRID 2, PARCEL 485 HOWARD COUNTY, MARYLAND

