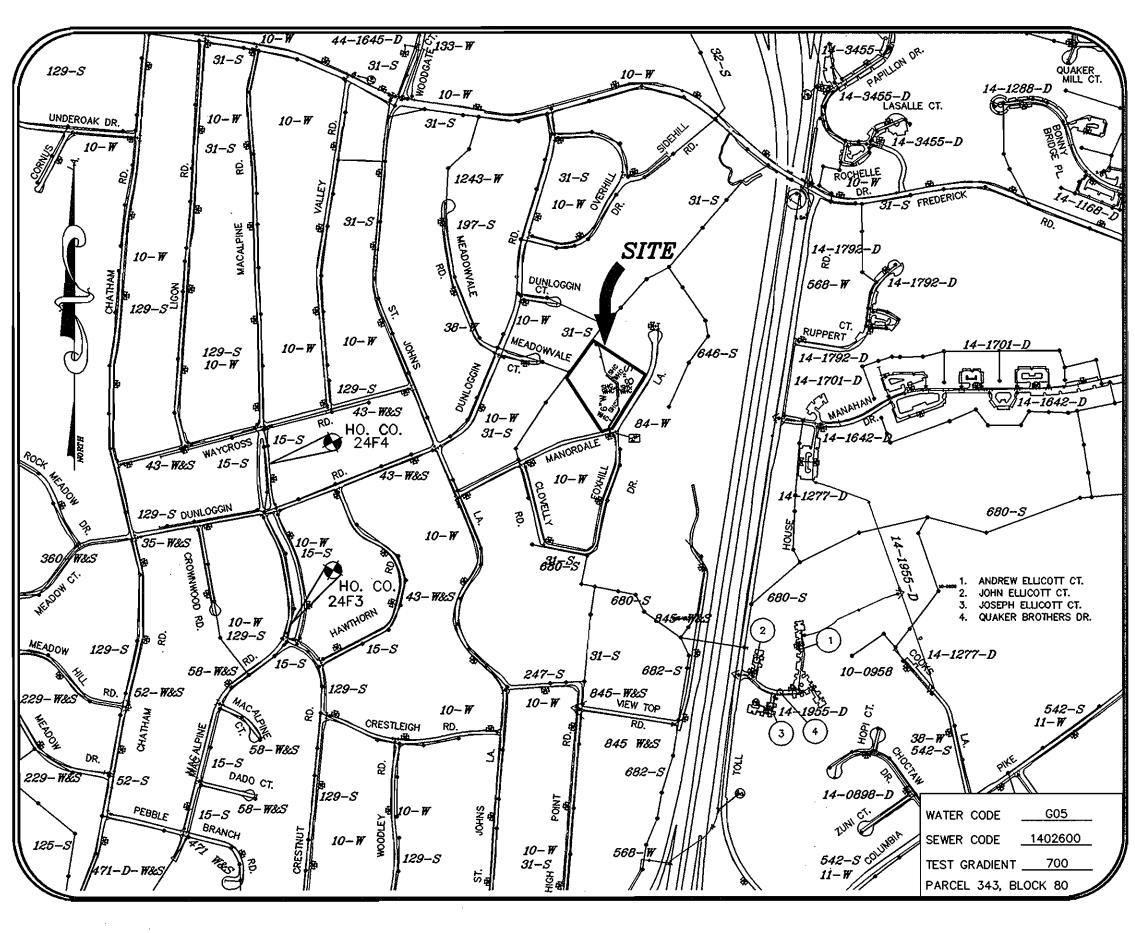
ITTILG	QUANTITIES					
ITEMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIE		
STANDARD MH (HO. CO. STD.G-5.01)	5 EACH	5	2378	ATZANTIC CONC. PROD.		
8" SEWER MAIN	406 L.F.	402 90 4	ASTM D3034 " " DIP	DIAMOND / HD SUPPLY		
4" SEWER HOUSE CONNECTION	91 L.F.			" " " " U.S.PIPE / "		
# 4" SEWER HOUSE CONNECTIONS	4 EACH					
6" WATER MAIN	417 L.F.	415				
" WATER HOUSE CONNECTION	79 L.F.	820	ASTM 1388	HOWELL METAL !		
# 1" WATER HOUSE CONNECTIONS	4 EACH	4	μ	h H		
6" CAP & BUTTRESS	1 EACH	1		EAST YORDAN / "		
6" x 6" TAPPING SLEEVE & VALVE	1 EACH	1	ASTM A-126	MUELLER ! "		
1/8 HB (6")	3 EACH	3		TYLER / "		
· .		·				
NAME OF UTILITY CONTRACTOR:			ļ. <u>.</u>			

EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER - GP-06-33

PLAN REFERENCE NUMBERS: GP-06-33 F-03-073

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY 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. CHRISTOPHER BROWN I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT 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. 9/11/06 R. JACOB HIKMAY
ENGINEER'S NAME REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS. SDA-NATURAL RESOURCES ACCONSERVATION SERVE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL



VICINITY MAP
SCALE 1"=600"

TYPE OF BUILDING SFD No. OF UNITS 5

No. OF WATER HOUSE CONNECTION 5

No. OF SEWER HOUSE CONNECTIONS 5

DRAINAGE AREA - PATAPSCO

TREATMENT PLANT - PATAPSCO WWTP

CONTRACT NO.: 14-4298-D
MANORDALE LANE PROPERTY
LOTS 1,2,4,6,7 & OPEN SPACE LOT 5
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

## <u>GENERAL NOTES</u>

- 1. APPROXIMATE LOCATIONS 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 EXPENSE.
- TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON DECEMBER 2004 BY TOPOGRAPHIC SURVEY PERFORMED BY MILDENBERG, BOENDER & ASSOCIATES, INC. IN AUGUST 2004.
- 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 NO. 24F3 AND NO. 24F4.
  ALL VERTICAL CONTROLS ARE BASED ON NAVD '29. VERTICAL CONTROLS
  PROVIDED ON THE DRAWINGS ARE GEODETIC CONTROL STATIONS 24F3 AND
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" 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 POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWNED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 6. FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE LOR
- 7. WHERE TEST PITS HAVE BEEN MADE ON EXISITING UTILITIES, THAY ARE NOTED BY THE SYMBOL AT THE LOCATIONS OF THE TEST PITS. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATEED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- 8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEASE FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

AT&T	1-800-252-1133
BGE(CONSTRUCTION SERVICES)	410-850-4620
BGE(EMERGENCY)	410-685-1400
BURÈAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION.	410-531-5533
VERIZON	1-800-743-0033/410-224-9210
	· ·

- 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 CONSTRACTOR.
- 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 CONSTRUCTION OF THE MAIN.
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)313-7450 AT LEAST FIVE WORKING DAYS BEFORE 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.

## WATER

- ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
   TOPS OF ALL WATER MAINS SHALL HAVE A MIMIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
   ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR
- ON THE DRAWINGS.

  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 SECTION 1005 OF THE STANDARD SPECIFICATIONS.

  6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

## SEWER

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

## INDEX OF DRAWINGS

NO.	DESCRIPTION		
1	TITLE SHEET		
2	WATER AND SEWER PLAN AND PROFILES		

<u>DEVELOPER</u>

HARMONY BUILDERS, INC. 4228 COLUMBIA RD. ELLICOTT CITY MD 21042

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

ach Doumen wards

MILDENBERG,
BOENDER & ASSOC., INC.

Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.



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	JJ0 -			<del>-</del>	
	illustration <b>JJO</b>				
L	approval	J30	2	ADDED WHO & SHC LOTT, RELOCATED SHC LOT 2. REVISED	6108
	арргоча			PROPERTY LINES, LABELS, FRONTACE DETAIL, WATER AND	
	project			SEWER EASEMBATS, PLAN TITLE QUANTITIES.	
	02-068	KCI		AS-BUILT DATA ADDED	6/30/02
	date SEPT 2006	BY	NO.	REVISION	DATE

TITLE SHEET

BLOCK NO.\_

600' SCALE MAP NO.\_\_24

MANORDALE LANE PROPERTY LOTS 1, 2, 4, 6, 7 & OPEN SPACE LOT 5

CONTRACT NO.: 14-4298-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

AS SHOWN

1 of 2

