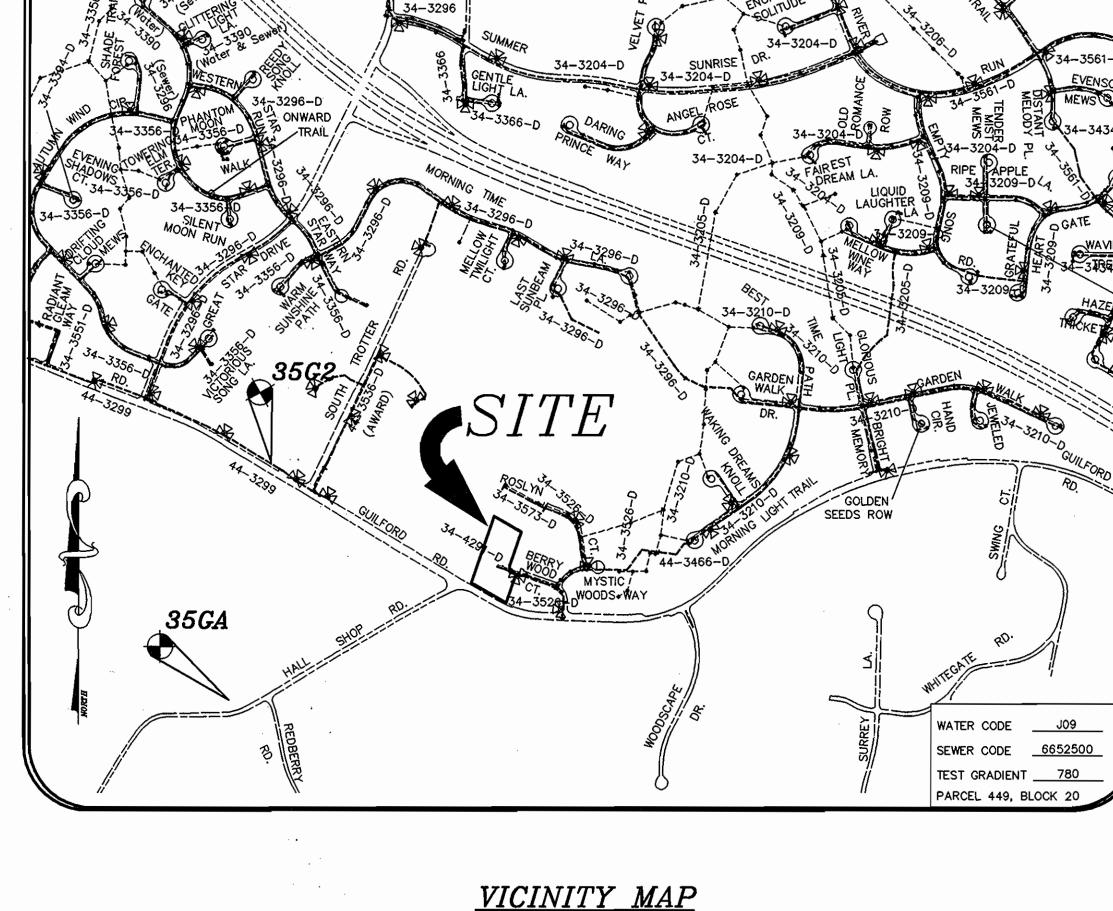
ITEMS	QUANTITIES						
	ESTIMATED	QUANTITIES	TYPE	MANUFAC	TUR	ER/SUPPL	JE
STANDARD MH (HO. CO. STD.G-5.01)	1 EACH	IEACH	*	ATLANT	10 (CONCRETE	,
8" SEWER MAIN	151 L.F.	151 L.F.	PVC	BELAIR	RD	SUPPLY	
4" SEWER HOUSE CONNECTION	63 L.F.	63 L.F.	PVC	tı	ţŧ.	u	
# 4" SEWER HOUSE CONNECTIONS	4 EACH	4 EA	:	MAYE	RB	705, INC.	
4" WATER MAIN	143 L.F.	143L.F.	DIP	BELAIR	RD.	SUPPLY	
1" WATER HOUSE CONNECTION	83 L.F.	83 L.F.	COPPER	BELAIR	RD.	SUPPLY	
# 1" WATER HOUSE CONNECTIONS	4 EACH	4EA	· · · · · · · · · · · · · · · · · · ·	BELAIR	RO.	SUPPLY	
4" CAP & BUTTRESS	1 EACH	IEA	D119	t <i>t</i>	lı	1,	
8" × 4" REDUCER	1 EACH	IEA .	DIP		t,	٠,	
4" VALVE	1 EACH	IEA »	DIP	- a	11	" 4	

PLAN REFERENCE NUMBERS: GP-0601 F-05-145

> EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER - GP-0601



TYPE OF BUILDING No. OF UNITS_ No. OF WATER HOUSE CONNECTION No. OF SEWER HOUSE CONNECTIONS DRAINAGE AREA - PATUXENT TREATMENT PLANT - LITTLE PATUXENT WRP

CONTRACT NO.: 34-4291-D TOWERS PROPERTY HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

	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. AEVELOPER'S SIGNATURE DATE	
	DEVELOPER'S NAME	
	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 SOLL CONSERVATION. DISTRICT.	
	ENGINEER'S SIGNATURE 7/4/05	
	OHN B. MILDENBERG ENGINEER'S NAME REVIEWED FOR HOWARD SCD AND	
	MEETS TECHNICAL REQUIREMENTS.	_
R.DWG	USDA-NATURAL RESOURCES NSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL	
S\04072-COVER.DWG	EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.	
5\04(HOWARD SCD LATER DATE	

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY

LOTS 7-10 & OPEN SPACE LOT 11

GENERAL NOTES

- 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 FEBRUARY 2003 BY WINGS AERIAL MAPPING SUPPLEMENTED BY TOPOGRAPHIC SURVEY PERFORMED BY MILDENBERG BOENDER & ASSOCIATES 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. 35G2 AND NO. 35GA. ALL VERTICAL CONTROLS ARE BASED ON NAVD '29. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE HO.CO. GEODETIC CONTROL STA. 35G2 &
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- 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
- 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	1-800-743-0033/410224-9210

- 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 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.

- 1. ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED. 2. TOPS OF ALL WATER MAINS SHALL HAVE A MIMIMUM OF 3'-6" OF 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 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.

- 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
- 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
- 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		

DEVELOPER

WILLIAMSBURG GROUP LLC 5485 HARPERS FARM ROAD, SUITE 200 COLUMBIA, MD 21044 (410) 997-8800

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

MILDENBERG,

KCI 1 ASBUILT DATA SHOWN DATE 600' SCALE MAP NO. 35 BLOCK NO. 20 REVISION

TITLE SHEET

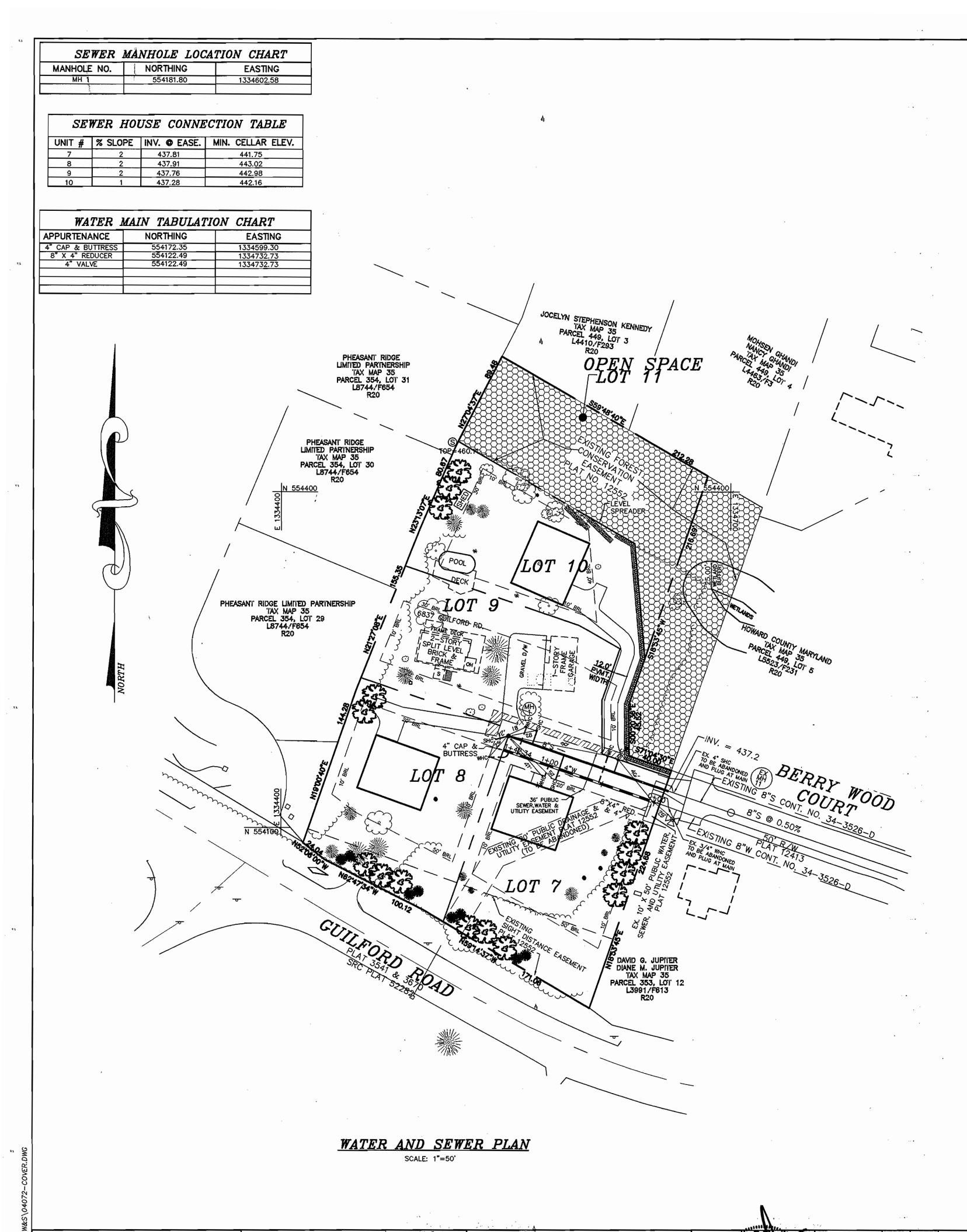
CONTRACT NO.: 34-4291-D FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

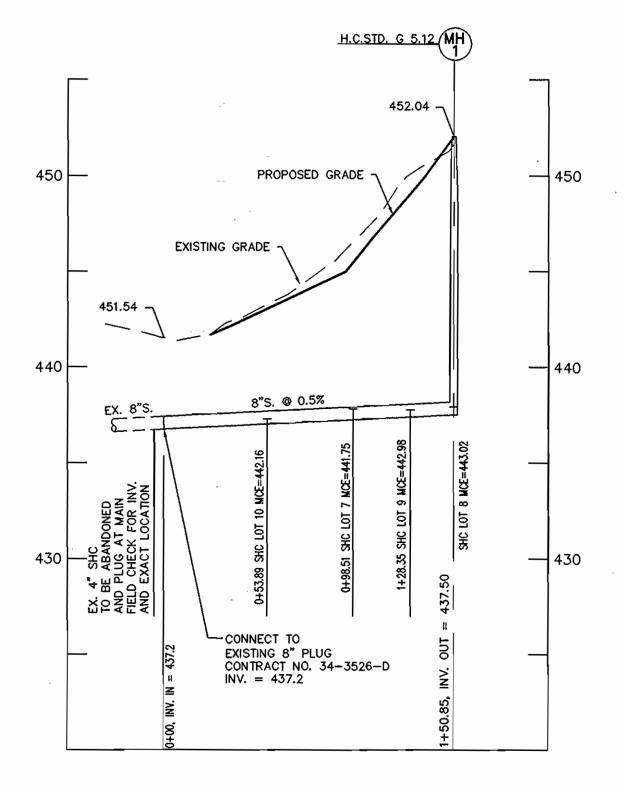
TOWERS PROPERTY

LOTS 7-10 & OPEN SPACE LOT 11

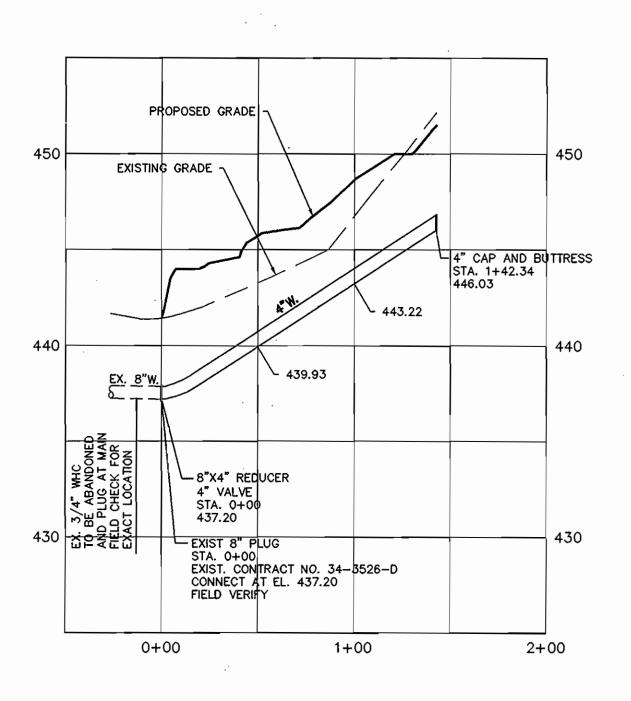
AS SHOWN

1 of 2





SEWER MAIN PROFILE SCALE: HOR. 1"=50' VER. 1"=5'



WATER MAIN PROFILE SCALE: HOR. 1"=50' VER. 1"=5'

DEVELOPER WILLIAMSBURG GROUP LLC 5485 HARPERS FARM ROAD, SUITE 200 COLUMBIA, MD 21044 (410) 997-8800

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

MILDENBERG, BOENDER & ASSOC., INC

1 ASBUILT DATA SHOWN 04-072

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REVISION

WATER AND SEWER PLAN AND PROFILES DATE 600' SCALE MAP NO. 35 ___ BLOCK NO. 20__

TOWERS PROPERTY LOTS 7-10 & OPEN SPACE LOT 11

- 36' PUBLIC SEWER,WATER & UTILITY EASEMENT

FRONTAGE DETAIL
SCALE: 1" = 30'

CONTRACT NO.: 34-4291-D FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

AS SHOWN