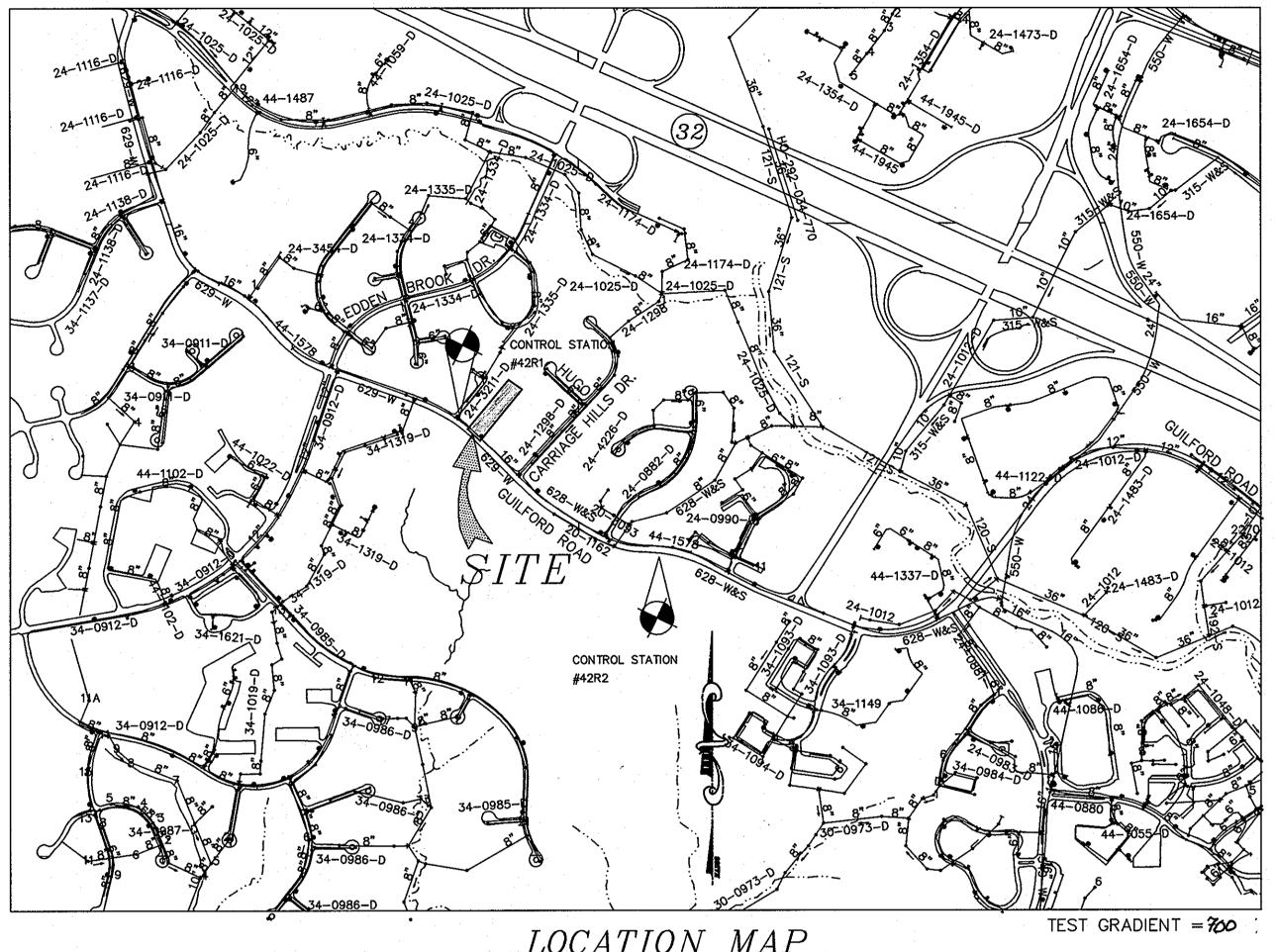
## QUANTITY TABLE

QUANTITIES ESTIMATED			
	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
5			
312 L.F.			
30 L.F.			
31 L.F.			
3			·
1			
2			
	5 312 L.F. 30 L.F. 31 L.F. 3	### ESTIMATED QUANTITIES    5	### ESTIMATED QUANTITIES TYPE    5

### LEGEND

<u> </u>	<u> HIVD</u>
<u>8"S</u> _8"W _	EXISTING SEWER MAIN AND MANHOLE EXISTING WATER MAIN AND VALVE
× <u>~</u> —	EXISTING FIRE HYDRANT
	PROPOSED SEWER MAIN
_SHC_	PROPOSED SEWER HOUSE CONNECTION
•	PROPOSED SEWER MANHOLE
EX. WHC	EXISTING WATER HOUSE CONNECTION
EXSHC	EXISTING SEWER HOUSE CONNECTION

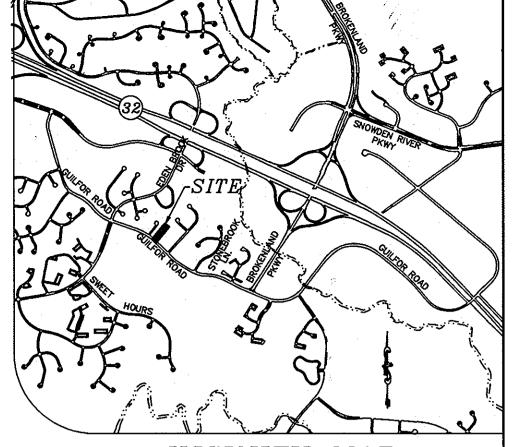
WATER / SEWER	MAIN TABULATION	CHART
APPURTENANCE	NORTHING	EASTING
MH 1	N 548,071.851	E 1,351,759.974
MH 2	N 548,034.892	E 1,351,590.069
MH 3	N 547,997.946	E 1,351,559.427
MH 4	N 547,946.674	E 1,351,630.947
MH 4A	N 548,0377.8854	ほ い35い603,7501



TYPE OF BUILDING\_ No. OF UNITS\_\_ No. OF WATER HOUSE CONNECTION No. OF SEWER HOUSE CONNECTIONS LITTLE PATUXENT DRAINAGE AREA LITTLE PATUXENT TREATMENT PLANT\_

CONTRACT NO.: 24-4524-D MAHANES PROPERTY LOTS 1 THRU 3 SEWER MAIN EXTENSION HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

LOCATION MAP



VICINITY MAP SCALE: 1"=2000"

ADC MAP: 5053 C-3

## GENERAL NOTES

- 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
- 2. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH TWO FOOT CONTOUR INTERVALS PREPARED BY SURVEY ASSOCIATE #1 DATED AUGUST 2007.
- 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. 29IE AND NO. 29IF. ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE HO.CO. GEODETIC CONTROL STA. 42R1 AND 42R2.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED
- ON THE PLANS. 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 OWED 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 JOB. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL B 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 LOCATED 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:

ΔΤ&Τ	1-800-252-1133
BGE(CONSTRUCTION SERVICES)	
BGE(EMERGENCY)	410-685-1400
	410-313-4900
COLONIAL PIPELINE CO	410-795-1390
	410–531–5533
VERIZON	.1-800-743-0033/410-224-9210
MISS UTILITY	1-800-257-7777

- 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 CONSTRUCTION OF THE MAIN.
- 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.

- 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 FRAMES AND COVERS ARE USED. SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS
- OTHERWISE NOTED ON THE DRAWINGS. 6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATE THAT THE CELLAR CANNOT BE SERVED.

1. ALL SINGLE WATER HOUSE CONNECTIONS ARE TO BE 13 WITH I" OUTSIDE METER SETTINGS.

# INDEX OF DRAWINGS

NO.	DESCRIPTION
1	TITLE SHEET
2	SEWER PLAN AND PROFILE
3	GRADING PLAN

<u>OWNER</u> JOAN A. MAHANES 8691 GUILFORD ROAD

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. 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. ENGINEER'S SIGNATURE R. JACOB HIKMAT ENGINEER'S NAME

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.: 17942, EXPIRATION DATE: 9/3/12

PLAN REFERENCE NUMBERS: F-08-069

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL

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



MILDENBERG, BOENDER & ASSOC., INC. 6800 Deerpath Road, Suite 150, Elkridge, Maryland 21075

(410) 997-0296 Balt. (410) 997-0298 Faz.



MMT			, .
illustration <b>MMT</b>		,	
approval <b>RJ</b> H			
project <b>09-017</b>	ABM	i	REVISED QUANTITIES TABLE & TABULATION CHART
date AUG. 2010	BY	NO.	REVISION

TITLE SHEET

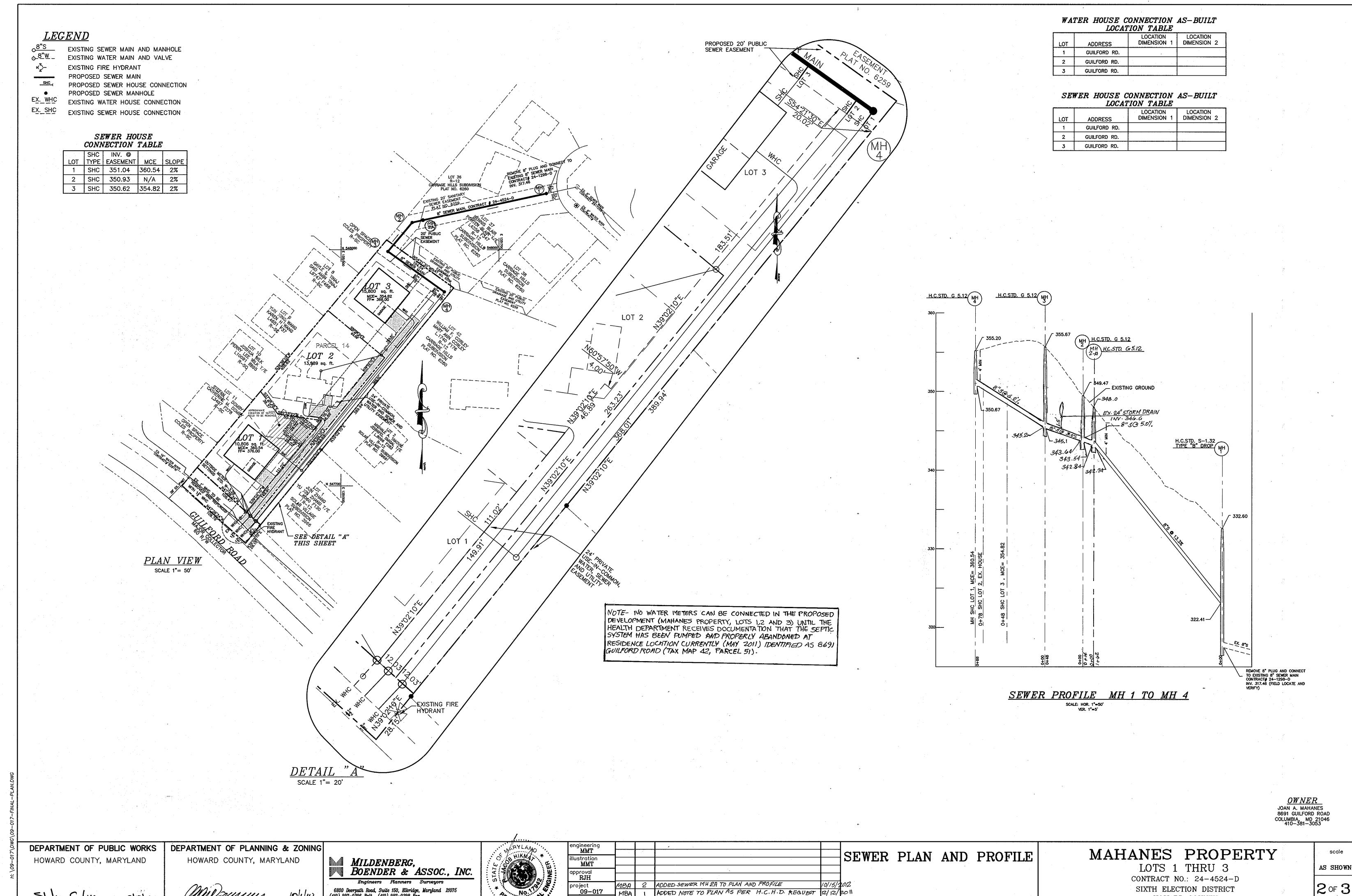
600' SCALE MAP NO. 42 BLOCK NO. 8

MAHANES PROPERTY
LOTS 1 THRU 3

CONTRACT NO.: 24-4524-D SIXTH ELECTION DISTRICT HOWARD COUNTY

1 of 3

AS SHOWN



ADDED NOTE TO PLAN AS PER H.C.H.D. REQUEST

600' SCALE MAP NO. <u>42</u> BLOCK NO. <u>8</u>

6800 Deerpath Road, Suite 150, Elkridge, Maryland 21075 (410) 997-0296 Balt. (410) 997-0298 Fax.

2 of 3

SIXTH ELECTION DISTRICT

HOWARD COUNTY

