

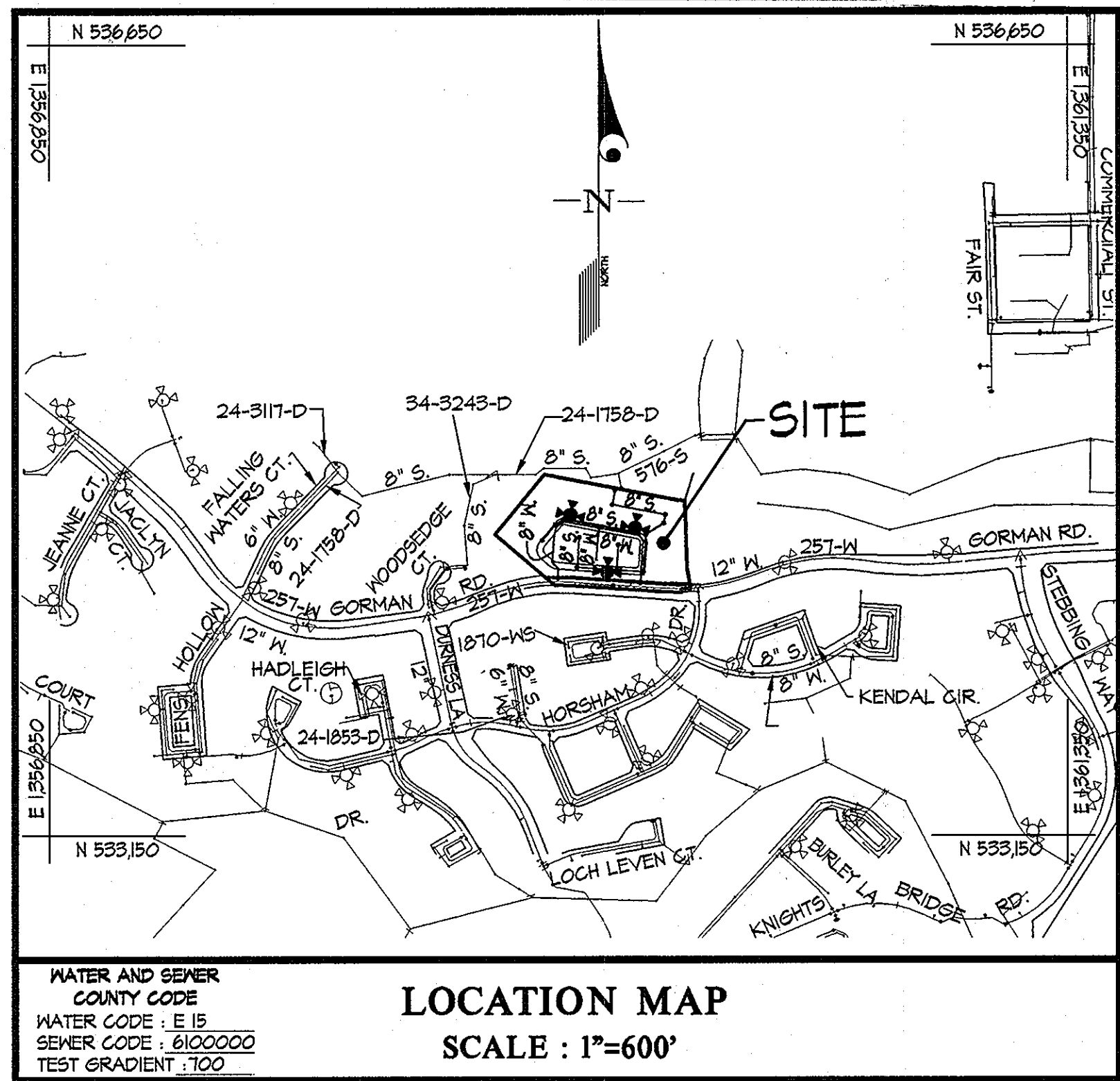
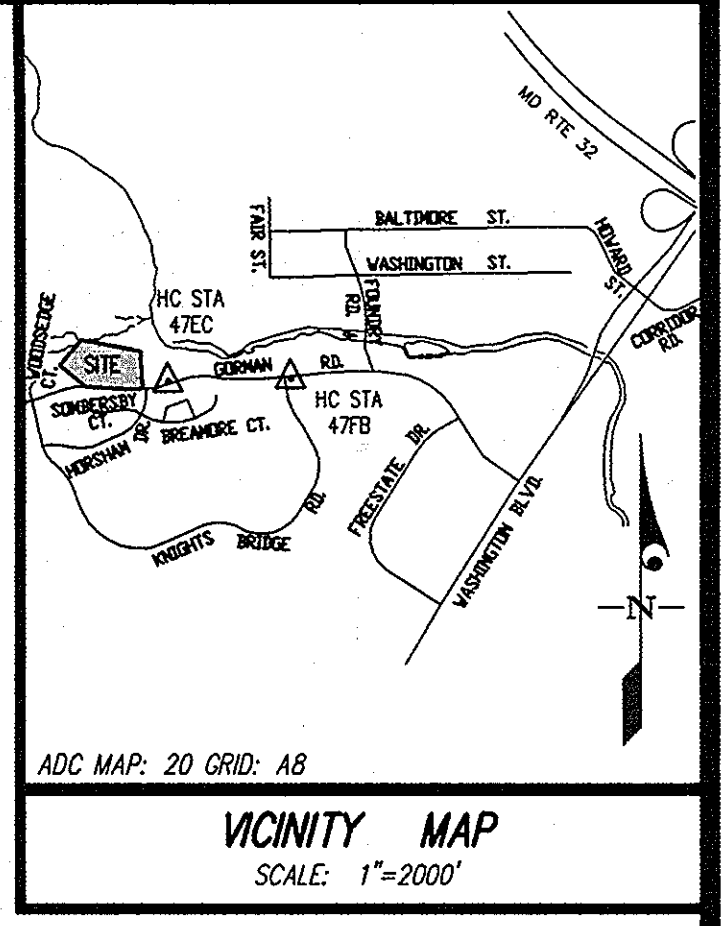
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
6" WATER MAIN	45 L.F.	45 L.F.	D.I.P.	GRIFPIN / 1/2 W/S
8" WATER MAIN	990 L.F.	990 L.F.	D.T.P.	GRIFPIN / 1/2 W/S
1 1/2" WATER (MHC)	798 L.F.	798 L.F.	COPPER	CAMBRIDGE / 1/2 W/S
8" 1/2 H.B.	6 EA.	6 EA.	M5	TYLER / 1/2 W/S
8" X 12" T.S.I.V.	2 EA.	2 EA.	S/S	FORD / 1/2 W/S
6" V.	3 EA.	3 EA.	G/V	AMERICAN / 1/2 W/S
6" V.	2 EA.	2 EA.	G/V	AMERICAN / 1/2 W/S
8" X 8" TEE	1 EA.	1 EA.	M5	TYLER / 1/2 W/S
8" X 6" F.H.T.	2 EA.	2 EA.	M5	TYLER / 1/2 W/S
FIRE HYDRANTS	3 EA.	3 EA.	084B	AMERICAN / 1/2 W/S
8" CAP	1 EA.	1 EA.	M5	TYLER / 1/2 W/S
8" SEWER MAIN	1645 L.F.	1645 L.F.	SOR-35	GRV / 1/2 W/S
4" SHC	741 L.F.	741 L.F.	SOR-35	GRV / 1/2 W/S
4" MANHOLE	14	14	PRE-CAST	ATLANTIC / ATLANTIC

WATER METER LOC'S			
LOT #	FROM	TO	DISTANCE
12	W/M 12	SAN MH 14	15'-4"
12	W/M 12	SAN C/O LOT 1	10'-3"
3	W/M 3	SAN MH 14	50'-9"
3	W/M 3	SAN MH 12	41'-4"
5	W/M 5	SAN MH 14	76'-8"
6	W/M 6	SAN MH 13	28'
6	W/M 6	SAN MH 12	76'-3"
8	W/M 8	SAN MH 12	15'-8"
8	W/M 8	SAN C/O LOT 8	6"
10	W/M 10	SAN C/O LOT 10	8'-8"
10	W/M 10	SAN MH 12	52'-7"
56	W/M 56	W/M LOT 58	24'-3"
56	W/M 56	W/M LOT 54 & 55	38'-6"

WATER METER LOC'S			
LOT #	FROM	TO	DISTANCE
12	W/M 12	F/H LOT 9 #10	64'-4"
12	W/M 12	W/M LOT 14	23'
14	W/M 14	SAN C/O LOT 13	10'-6"
14	W/M 14	SAN C/O LOT 14	14'
15	W/M 15	SAN C/O LOT 16	11'-7"
15	W/M 15	SAN C/O LOT 29	56'-10"
17	W/M 17	SAN C/O LOT 17	8'-5"
17	W/M 17	SAN C/O LOT 38	40'
19	W/M 19	SAN C/O LOT 19	11'
19	W/M 19	SAN C/O LOT 18	11'-2"
20	W/M 20	SAN C/O LOT 20	14'
20	W/M 20	F/H LOT 21 & 22	19'-6"
58	W/M 58	W/M LOT 56 & 57	34'-2"
58	W/M 58	SMH-14	115'

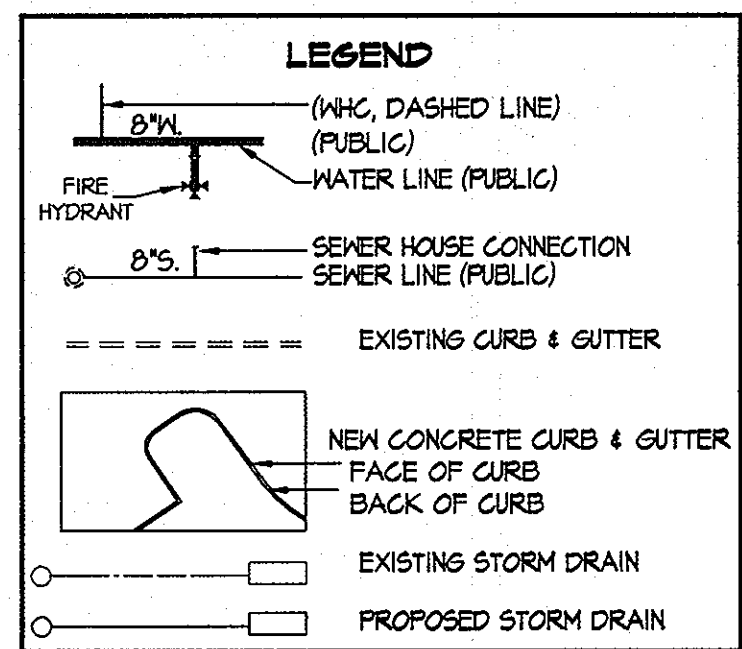
WATER METER LOC'S			
LOT #	FROM	TO	DISTANCE
22	W/M 22	F/H LOT 21 & 22	23'-8"
22	W/M 22	SAN MH 6	21'-10"
24	W/M 24	F/H LOT 21 & 22	45'-6"
24	W/M 24	SAN MH 6	12'
25	W/M 25	G/O LOT 25	6'
25	W/M 25	SAN MH 6	15'-2"
26	W/M 26	SAN C/O LOT 27	9'-10"
26	W/M 26	SAN C/O LOT 26	11'-6"
28	W/M 28	SAN C/O LOT 28	9'
28	W/M 28	SAN C/O LOT 28	12'
30	W/M 30	SAN C/O LOT 30	12'
30	W/M 30	SAN MH 7	31'
31	W/M 31	SAN MH 7	15'
31	W/M 31	SAN C/O LOT 32	8'-3"

WATER METER LOC'S			
LOT #	FROM	TO	DISTANCE
32	W/M 32	W/M LOT 35 & 36	38'
32	W/M 32	SHC LOT 30	41'
32	W/M 32	SHC LOT 29	39'
35	W/M 35	SHC LOT 28	44'-4"
37	W/M 37	SHC LOT 26	40'
37	W/M 37	SHC LOT 27	40'
37	W/M 37	W/M LOT 51	35'
37	W/M 37	W/M LOT 49 & 50	19'
41	W/M 41	W/M LOT 41 & 42	37'
41	W/M 41	W/M LOT 37 & 38	18'-5"
42	W/M 42	W/M LOT 42 & 43	19'-6"
42	W/M 42	W/M LOT 42 & 43	38'-0"
45	W/M 45	W/M LOT 42 & 43	18'-6"
45	W/M 45	W/M LOT 47 & 48	37'
47	W/M 47	W/M LOT 47 & 48	37'
47	W/M 47	W/M LOT 49 & 50	17'-6"
49	W/M 49	W/M LOT 39 & 40	18'-10"
49	W/M 49	W/M LOT 41 & 42	36'
51	W/M 51	W/M LOT 49 & 50	27'
51	W/M 51	SHC LOT 2	36'
52	W/M 52	SHC LOT 2	35'-6"
52	W/M 52	SHC LOT 4	30'-5"
54	W/M 54	SHC LOT 3	70'
54	W/M 54	SHC LOT 2	73'



- 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 CONTRACTOR'S EXPENSE.
  - EXISTING TOPOGRAPHY AND FEATURES COMPILED FROM TOPOGRAPHIC SURVEY FROM JOHN C. MELLEMA SR., INC. LAND SURVEYORS DATED MAY 27, 2004.
  - HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/M AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 4TEC AND 4TFB.
  - ALL VERTICAL CONTROLS ARE BASED ON NAVD 88. VERTICAL CONTROLS PROVIDED ON DRAWINGS ARE PIPE AND CAP.
  - 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 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.
  - 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  $\Phi$  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.
  - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK ON THESE PLANS.
 

AT&T	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-850-4620
BGE (UNDER GROUND DAMAGE CONTROL)	410-685-1400
BUREAU OF UTILITIES	410-313-4000
COLONIAL PIPELINE CO.	410-745-1940
MISS UTILITY	1-800-251-7771
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033 / 410-224-4210
  - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION AREA STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
  - 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 DPM REQUIREMENTS PER SECTION 10.114(a) OF THE HOWARD COUNTY CODE.



**SHEET INDEX**

- COVER SHEET
- WATER & SEWER EXTENSION PLAN
- WATER & SEWER EXTENSION PROFILES

TYPE OF BUILDING	RESIDENTIAL
NUMBER OF UNITS	50 UNITS
NUMBER OF S.H.C.'s	50 SHC's
NUMBER OF W.H.C.'s	50 WHC's
AREA OF COMMERCIAL LOT/PARCEL	6.99 AC.
SEWER SHED	LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER, SAVAGE MARYLAND

Howard County Control Stations  
 4TEC STANDARD DISC ON CONCRETE MONUMENT  
 N 534,245.40, E 1361,228.62  
 ELEV: 207.40  
 4TFB STANDARD DISC ON CONCRETE MONUMENT  
 N 534,261.23, E 1354,948.08  
 ELEV: 233.66

SAN. SEWER C/O LOC'S			
LOT #	TO	FROM	DISTANCE
11	SAN C/O 11	F/H LOT 9 #10	32'-1"
11	SAN C/O 11	SAN MH 12	63'-7"
12	SAN C/O 12	W/M LOT 12 #12	13'-4"
12	SAN C/O 12	F/H LOT 9 #10	52'-3"
13	SAN C/O 13	W/M LOT 14	11'
13	SAN C/O 13	W/M LOT 12 #12	12'
14	SAN C/O 14	W/M LOT 12 #12	14'
14	SAN C/O 14	SAN C/O LOT 51	43'-4"
15	SAN C/O 15	W/M LOT 15 #15	8'-8"
15	SAN C/O 15	SAN C/O LOT 14	38'
16	SAN C/O 16	W/M LOT 15 #16	11'-7"
16	SAN C/O 16	SAN C/O LOT 39	56'
17	SAN C/O 17	W/M LOT 17 #17	12'
17	SAN C/O 17	SAN C/O LOT 39	42'
18	SAN C/O 18	W/M LOT 17 #18	11'
18	SAN C/O 18	SAN C/O LOT 18	10'
19	SAN C/O 19	W/M LOT 19	12'
19	SAN C/O 19	SAN C/O LOT 39	55'
20	SAN C/O 20	S.D. MH-4	20'
20	SAN C/O 20	SAN C/O LOT 38	42'
21	SAN C/O 21	SAN C/O LOT 38	48'
21	SAN C/O 21	F/H LOT 21 & 22	12'-7"
22	SAN C/O 22	F/H LOT 21 & 22	15'-2"
22	SAN C/O 22	SAN MH-6	42'
23	SAN C/O 23	SAN MH-6	21'-10"
23	SAN C/O 23	W/M LOT 24	14'
24	SAN C/O 24	F/H LOT 21 & 22	50'-6"
24	SAN C/O 24	SAN MH-6	10'-7"
25	SAN C/O 25	W/M LOT 25	6'
25	SAN C/O 25	SAN MH-7	12'-3"
25	SAN C/O 25	W/M LOT 25	15'-11"
26	SAN C/O 26	SAN MH-6	23'
27	SAN C/O 27	SAN C/O LOT 28	22'-1"
27	SAN C/O 27	SAN MH-6	42'
28	SAN C/O 28	SAN C/O LOT 27	22'-1"
28	SAN C/O 28	W/M LOT 28 #28	11'-10"
29	SAN C/O 29	W/M LOT 28 #29	9'-1"
29	SAN C/O 29	SAN C/O LOT 28	20'
30	SAN C/O 30	W/M LOT 30	12'
30	SAN C/O 30	SAN MH-7	42'
31	SAN C/O 31	SAN C/O LOT 31	9'
31	SAN C/O 31	SAN MH-7	25'
32	SAN C/O 32	SAN MH-7	15'
32	SAN C/O 32	SAN C/O LOT 22	8'-4"
33	SAN C/O 33	SAN C/O LOT 44	29'-1"
33	SAN C/O 33	SAN C/O LOT 43	39'

**RIVERWALK**  
 LOTS 1-58 AND OPEN SPACE LOTS 59 & 60  
 CONTRACT No. 24-4657-D  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS & WITH SITE PLAN DRAWINGS SDP-10-060; DRAWINGS FOR SEDIMENT & EROSION CONTROL.

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

APPROVED: *[Signature]* DATE: 10/10/10

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, BUREAU OF UTILITIES DATE: 10/10/10	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 10/10/10	<b>GLWGUTSCHICK LITTLE &amp; WEBER, P.A.</b> CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-889-2524 FAX: 301-421-4186	DATE: SEPT., 2010 G.L.W. No. 08039	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE PLANS 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. 12375 EXP. DATE: MAY 26, 2012 <i>[Signature]</i>	SCALE AS SHOWN SHEET 1 OF 3
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L:\CADD\DRAWINGS\08039\WS\08039CS.dwg PLOTTED: 9/22/2010 4:08 PM, LAST SAVED: 9/22/2010 2:46 PM, PLOTTED BY: Waymond Joyner



MINIMUM CELLAR ELEVATIONS		INV. @ R/WESMT. ELEVATION
LOT NO.	ELEVATION	
PRIVATE ROAD 'A'		
LOT-1	240.13	236.73
LOT-2	234.36	235.46
LOT-3	239.84	235.24
LOT-4	239.04	234.64
LOT-5	231.45	234.05
LOT-6	231.06	233.66
LOT-7	236.47	233.70
LOT-8	236.56	233.36
LOT-9	235.54	232.34
LOT-10	234.44	231.74
LOT-11	234.42	231.22
LOT-12	233.92	230.72
LOT-13	233.31	230.11
LOT-14	232.76	229.56
LOT-15	231.78	228.58
LOT-16	231.28	228.08
LOT-17	230.67	227.47
LOT-18	230.13	226.93
LOT-19	229.63	226.43
LOT-20	228.75	225.55
LOT-21	228.24	225.04
LOT-22	227.64	224.44
LOT-23	227.14	223.94
LOT-24	227.06	223.86
LOT-25	224.54	221.24
LOT-26	224.30	221.20
LOT-27	224.30	221.20
LOT-28	224.30	221.20
LOT-29	225.00	221.70
LOT-30	225.50	222.20
LOT-31	225.50	222.20
LOT-32	225.50	222.20
PRIVATE ALLEY 'C'		
LOT-33	225.30	222.70
LOT-34	225.20	222.60
LOT-35	224.40	221.20
LOT-36	223.71	220.51
LOT-37	223.18	220.18
LOT-38	221.40	220.60
LOT-39	220.83	221.11
LOT-40	222.75	222.55
LOT-41	222.42	222.12
LOT-42	222.75	221.04
LOT-43	223.04	221.84
LOT-44	223.74	222.54
PRIVATE ALLEY 'B'		
LOT-45	240.00	236.70
LOT-46	234.30	236.00
LOT-47	238.70	235.40
LOT-48	239.10	234.80
LOT-49	231.50	234.20
LOT-50	236.38	233.08
LOT-51	234.71	231.51
LOT-52	236.20	233.20
LOT-53	236.48	233.28
LOT-54	236.12	232.92
LOT-55	238.20	234.80
LOT-56	238.60	235.40
LOT-57	234.30	236.00
LOT-58	234.40	236.70

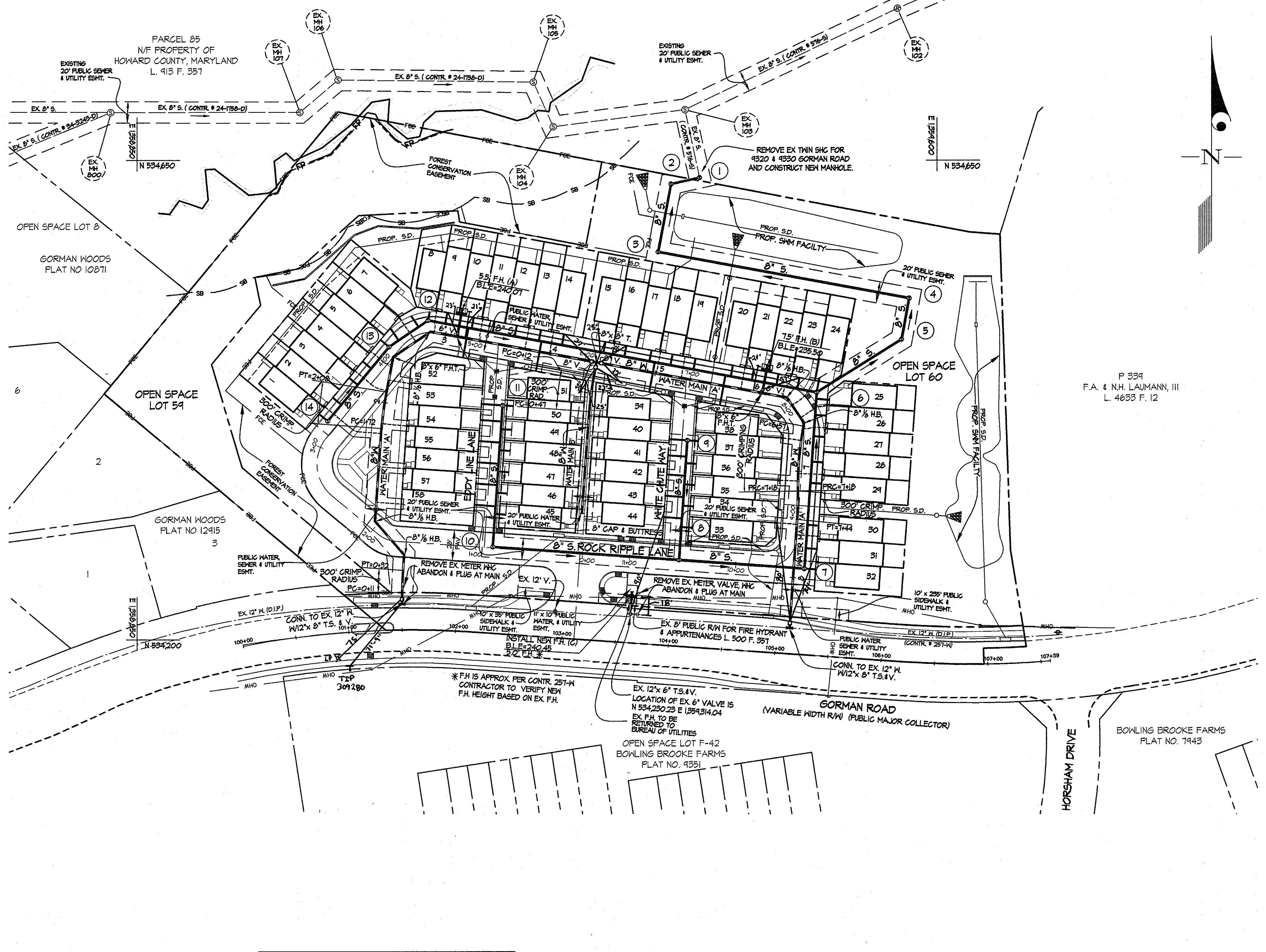
SEWER MH CHART	
MH	COORDINATE
1	N 534,633.8 E 1,354,371.6
2	N 534,621.8 E 1,354,350.8
3	N 534,563.9 E 1,354,330.7
4	N 534,520.4 E 1,354,314.0
5	N 534,481.8 E 1,354,266.8
6	N 534,432.2 E 1,354,467.3
7	N 534,266.6 E 1,354,475.7
8	N 534,274.8 E 1,354,350.3
9	N 534,381.1 E 1,354,266.1
10	N 534,281.0 E 1,354,183.7
11	N 534,414.9 E 1,354,193.0
12	N 534,499.6 E 1,354,123.0
13	N 534,474.7 E 1,354,086.3
14	N 534,405.3 E 1,354,028.8

SAN SEWER C/O LOC'S			
Lot #	FROM	TO	DISTANCE
34	SAN C/O 34	SAN C/O LOT 33	20'-3"
34	SAN C/O 34	SAN C/O LOT 43	28'-3"
35	SAN C/O 35	SAN C/O LOT 34	19'-5"
35	SAN C/O 35	SAN C/O LOT 42	29'-10"
36	SAN C/O 36	SAN C/O LOT 42	31'-10"
36	SAN C/O 36	SAN C/O LOT 41	21'-5"
37	SAN C/O 37	SAN C/O LOT 40	28'-7"
37	SAN C/O 37	SAN C/O LOT 36	23'-6"
38	SAN C/O 38	SAN C/O LOT 37	36'-2"
38	SAN C/O 38	SAN C/O LOT 20	42'-4"
39	SAN C/O 39	SAN C/O LOT 45	50'
39	SAN C/O 39	SAN C/O LOT 19	46'
40	SAN C/O 40	SAN C/O LOT 37	28'-6"
40	SAN C/O 40	SAN C/O LOT 42	33'-7"
41	SAN C/O 41	SAN C/O LOT 40	15'-6"
41	SAN C/O 41	SAN C/O LOT 27	32'-4"
42	SAN C/O 42	SAN C/O LOT 35	27'-7"
42	SAN C/O 42	SAN C/O LOT 41	18'
43	SAN C/O 43	SAN C/O LOT 42	21'-4"
43	SAN C/O 43	SAN C/O LOT 25	28'-6"
44	SAN C/O 44	SAN C/O LOT 45	20'-4"
44	SAN C/O 44	SAN C/O LOT 33	29'-4"
45	SAN C/O 45	SAN C/O LOT 58	31'
45	SAN C/O 45	SAN C/O LOT 35	72'
46	SAN C/O 46	SAN C/O LOT 45	19'
46	SAN C/O 46	SAN C/O LOT 57	31'
47	SAN C/O 47	SAN C/O LOT 46	20'
47	SAN C/O 47	SAN C/O LOT 55	40'
48	SAN C/O 48	SAN C/O LOT 47	19'-3"
48	SAN C/O 48	SAN C/O LOT 55	30'
49	SAN C/O 49	SAN C/O LOT 48	20'
49	SAN C/O 49	SAN C/O LOT 55	31'
50	SAN C/O 50	SAN C/O LOT 49	31'
50	SAN C/O 50	SAN C/O LOT 53	31'
51	SAN C/O 51	SAN C/O LOT 53	59'-6"
51	SAN C/O 51	SAN C/O LOT 13	40'-2"
52	SAN C/O 52	SAN C/O LOT 9	44'
52	SAN C/O 52	SAN C/O LOT 10	39'
53	SAN C/O 53	SAN C/O LOT 54	15'-6"
53	SAN C/O 53	SAN C/O LOT 50	29'
54	SAN C/O 54	SAN C/O LOT 50	33'
54	SAN C/O 54	SAN C/O LOT 48	28'-4"
55	SAN C/O 55	SAN C/O LOT 36	28'
55	SAN C/O 55	SAN C/O LOT 48	25'-6"
56	SAN C/O 56	SAN C/O LOT 55	20'
56	SAN C/O 56	SAN C/O LOT 57	19'
57	SAN C/O 57	SAN C/O LOT 56	19'
57	SAN C/O 57	SAN C/O LOT 47	32'
58	SAN C/O 58	SAN C/O LOT 45	33'
58	SAN C/O 58	SAN C/O LOT 57	20'

LOT FRONTAGE TABLE	
LOT NO.	DISTANCE (FEET)
LOT 1	22.00'
LOT 2	22.00'
LOT 3	22.00'
LOT 4	22.00'
LOT 5	22.00'
LOT 6	22.00'
LOT 7	18.12'
LOT 8	18.54'
LOT 9	22.00'
LOT 10	22.00'
LOT 11	22.00'
LOT 12	22.00'
LOT 13	22.00'
LOT 14	24.78'
LOT 15	24.78'
LOT 16	22.00'
LOT 17	22.00'
LOT 18	22.00'
LOT 19	24.78'
LOT 20	22.00'
LOT 21	22.00'
LOT 22	22.00'
LOT 23	22.00'
LOT 24	15.00'
LOT 25	10.48'
LOT 26	22.00'
LOT 27	22.00'
LOT 28	22.00'
LOT 29	22.00'
LOT 30	22.00'
LOT 31	22.00'
LOT 32	21.00'
LOT 33	22.50'
LOT 34	20.00'
LOT 35	20.00'
LOT 36	20.00'
LOT 37	20.00'
LOT 38	20.00'
LOT 39	20.00'
LOT 40	20.00'
LOT 41	20.00'
LOT 42	20.00'
LOT 43	20.00'
LOT 44	20.00'
LOT 45	20.00'
LOT 46	20.00'
LOT 47	20.00'
LOT 48	20.00'
LOT 49	20.00'
LOT 50	20.00'
LOT 51	24.18'
LOT 52	24.64'
LOT 53	20.00'
LOT 54	20.00'
LOT 55	20.00'
LOT 56	20.00'
LOT 57	20.00'
LOT 58	24.18'

FITTING CHART			
STATION	FITTING	NAD '83/'91 COORDINATES	
WATER MAIN 'A'			
0+00	12" x 8" T.S.&V.	N 534,233.37	E 1,354,018.56
0+46	8" x 1/2" H.B.	N 534,274.64	E 1,354,100.46
0+88	8" x 1/2" H.B.	N 534,311.27	E 1,354,075.12
2+43	8" x 1/2" H.B.	N 534,465.24	E 1,354,090.14
2+86	8" x 1/2" H.B.	N 534,484.03	E 1,354,125.18
3+11	8" x 6" F.H.T.	N 534,484.40	E 1,354,150.21
4+44	8" x 8" T.	N 534,460.23	E 1,354,280.27
6+02	8" x 6" F.H.T.	N 534,431.48	E 1,354,436.35
6+25	8" x 1/2" H.B.	N 534,421.22	E 1,354,454.33
6+54	8" x 1/2" H.B.	N 534,403.40	E 1,354,475.33
8+47	12" x 8" T.S.&V.	N 534,210.45	E 1,354,461.80
WATER MAIN 'B'			
1+43	8" CAP	N 534,318.37	E 1,354,267.15

FIRE HYDRANT CHART		
FH	NAD '83/'91 COORDINATES	
A	N 534,506.02	E 1,354,154.32
B	N 534,453.04	E 1,354,440.46
C	N 534,241.01	E 1,354,313.21



FOR PUBLIC WATER & SEWER PROFILES SEE SHEET 3 OF 3

PREPARED FOR:  
ECS RIVERWALK LLC  
5074 DORSEY HALL DRIVE SUITE 205  
ELLCOTT CITY, MD. 21042  
ATTN: JASON VAN KIRK  
410-720-3021

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Steve C. Gorman CHIEF, BUREAU OF UTILITIES 10/6/10	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND [Signature] CHIEF, DEVELOPMENT ENGINEERING DIVISION 10/9/10	<b>GLWGUTSCHICK LITTLE &amp; WEBER, P.A.</b> CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20886 TEL: 301-421-4024 FAX: 301-421-4186	DATE SEPT., 2010	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE PLANS 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. 12375 EXP. DATE: MAY 26, 2012 [Signature]	WATER & SEWER EXTENSION PLAN 600' SCALE MAP NO. 47 BLOCK NO. 16	<b>RIVERWALK</b> LOTS 1-58 AND OPEN SPACE LOTS 59 & 60 CONTRACT No. 24-40257-10 HOWARD COUNTY, MARYLAND ELECTION DISTRICT No. 6	SCALE 1" = 50'
			G.L.W. No. 08039				SHEET 2 OF 3



