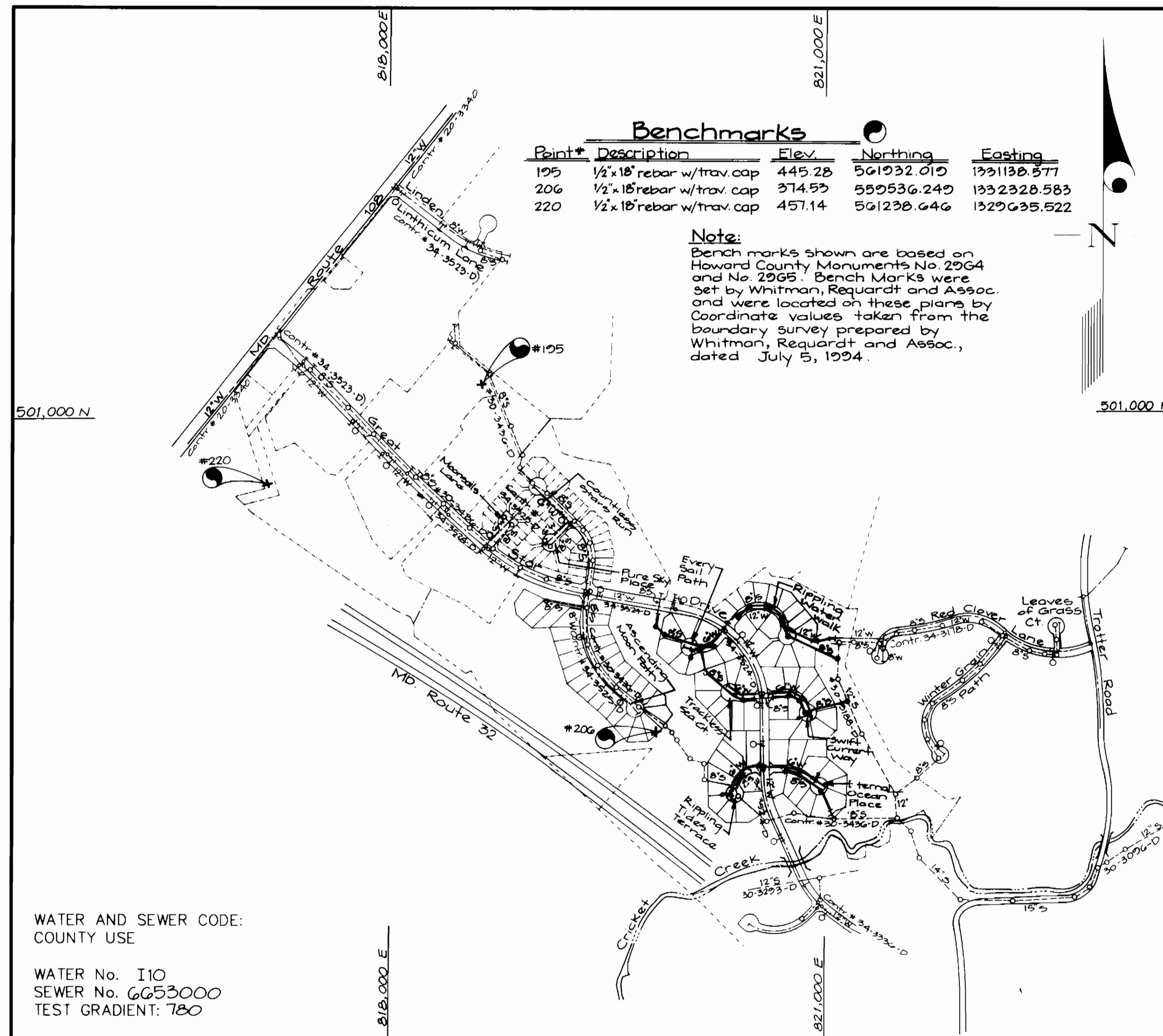
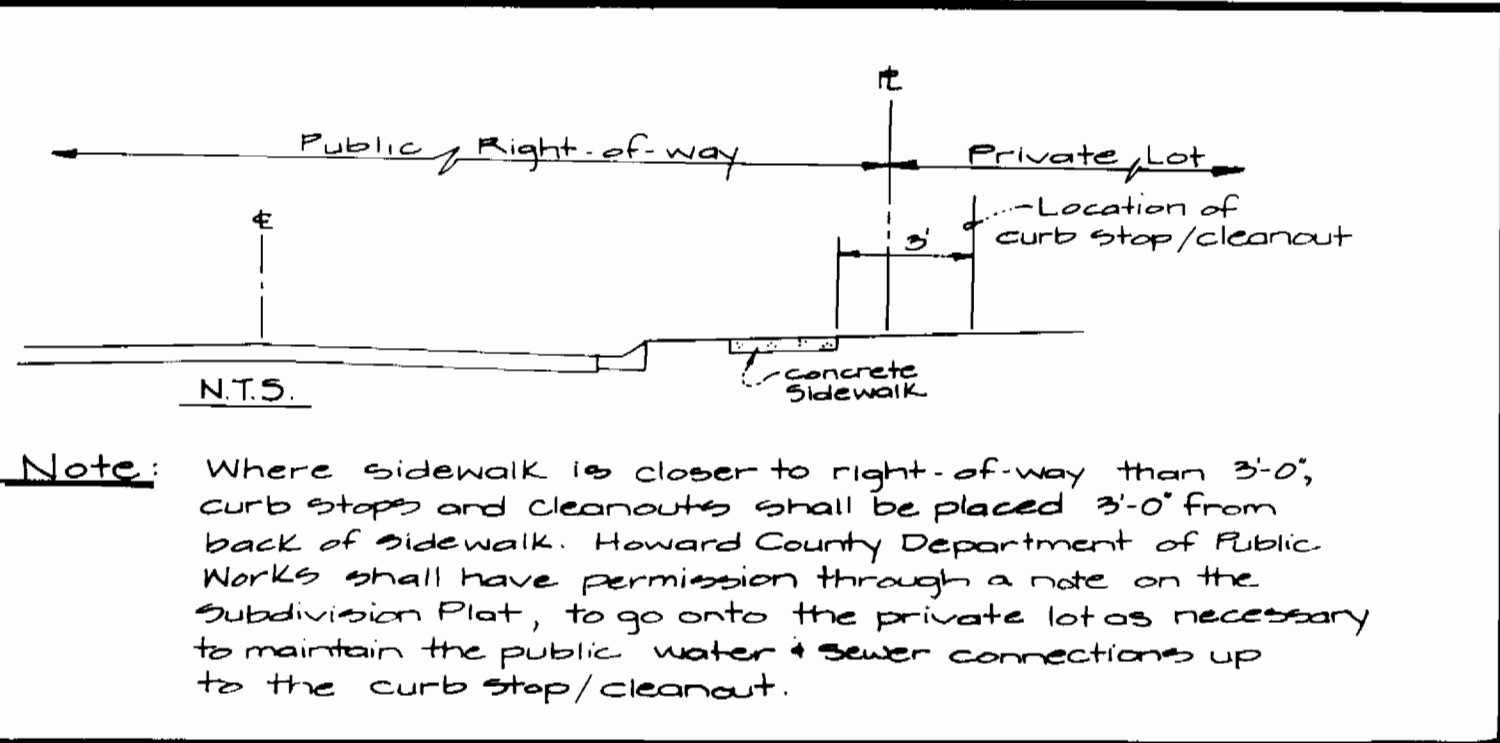


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
12" Water	886 L.F.	886 L.F.	LL 52	Artificial Pipe Products
6" Water	1830 L.F.	1830 L.F.	LL 52	Artificial Pipe Products
Fire Hydrant Valve	5 ea.	5 Ea.	Regiment	J.S. Pipe Valve
1 1/2" Drain	5 ea.	5 Ea.	H-150-24	M. Aceller/ Bel Air Rd. Supply
1/32" H.B.	3 ea.	3 Ea.	M.J.	Whitman, Reardon and Assoc.
1/16" H.B.	7 ea.	6 Ea.	M.J.	Whitman, Reardon and Assoc.
1/8" H.B.	2 ea.	3 Ea.	M.J.	Whitman, Reardon and Assoc.
12" Valve	1 ea.	1 Ea.	Regiment	J.S. Pipe Valve
1 1/2" Water	175 L.F.	183 L.F.	Type "K"	H.W. Bell Metals
3/4" W.H.C.	200 L.F.	1051 L.F.	Type "K"	H.W. Bell Metals
1" W.H.C.	840 L.F.	920 L.F.	Type "K"	H.W. Bell Metals
8" Sewer (D.I.P.)	2802 L.F.	2058 L.F.	SDR 35	J.M. Mfg. Bel Air Rd. Supply
8" Sewer (D.I.P.)	365 L.F.	3 L.F.		
4" manholes	22 ea./204 L.F.	22 EA/204 L.F.	Precaut	Atlantic Concrete Products
4" S.H.C./D.C.	1926 L.F.	2416 L.F.	SDR 35	J.M. Mfg. - Bel Air Rd. Supply
Type B drop Conn.	3 ea.	3 Ea.		
Silt fence	750 L.F.	750 L.F.		

NAME OF UTILITY CONTRACTOR: **W.F. Wilber & Sons**

SURVEY AND DRAFTING DIV. CHECKBOX: AS-BUILT DATE: 12-17-97



VICINITY MAP  
SCALE: 1"=600'

CONTRACT No. 34-3445-D  
VILLAGE OF RIVER HILL  
SECTION 4, AREA 3  
LOTS 1 - 69  
HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PUBLIC WORKS

TYPE OF BUILDING	Single Family Residential
NUMBER OF UNITS	67
NUMBER OF S.H.C.'s	60
NUMBER OF W.H.C.'s	67
DRAINAGE AREA	Middle Patuxent
TREATMENT PLANT	Little Patuxent Water Reclamation Plant, Savage

GENERAL NOTES

- PART I**
- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
  - All horizontal controls are based on Maryland State Coordinates [North American Datum 1983 (NAD '83)].
  - All vertical controls are based on U.S.C.S. data.
  - All pipe elevations shown are invert elevations.
  - Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnel as required. 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 bracing of additional poles or damages shall be deducted from money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
  - For details not shown on the drawings, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Detail 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 at the location of the test pit. A note or notes containing the results of the test pit 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.
  - Contractor shall notify the following utility companies or agencies at least (5) working days before starting work shown on these plans:
 

State Highway Administration	531-5533
BGE Contractor Services	850-4620
BGE Under Ground Damage Control	787-9068
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	795-1390
Howard County Department of Public Works Bureau of Utilities	313-4900
  - Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
  - Contractor shall remove trees, stumps and roots along 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) 313-2450 at least five (5) working days before any open cut of any County road or boring/jacking operation on County roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirement per Section 18.114(a) of the Howard County Code.

**PART II - WATER**

- All water mains to be D.I.P. Class 52 unless otherwise noted.
- Tops of all water mains to have a minimum of 3'-1/2' 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 the Standard Details unless otherwise provided for on the drawings.
- Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained and buttressed with concrete in accordance with the Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.
- All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
- For sprinkler system for all townhomes or multi-family dwelling units should have a minimum of 1' connection with a 3/4" meter.

**PART III - SEWER**

- All sewer mains shall be DIP and 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 covers, Standard Detail G5.52. Where watertight frame and cover is used, set top of frame 1'-6" above finished grade unless otherwise noted on drawings.
- House(s) with the symbol "C.N.S." indicates that cellar cannot be served.

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Drawings Plan F-20-124. Drawings G7, B & 11 and this plan, for Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

*Cheryl Simons/65* 2/5/97

U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE

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

APPROVED: *[Signature]* 2/5/97

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Michael A. Bussanville* 1-29-97  
CHIEF, BUREAU OF UTILITIES RMB DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
*[Signature]* 2/1/97  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**GLW** GUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866  
TEL: (410) 880-1820 ~ FAX: (301) 421-4186

DES: GAH			
DRN: GAH			
CHK: CKG			
DATE: Jan 1996	MCF BY NO	rev. quantities box	4/28/97
		REVISION	DATE

Public Water and Sewer Extension  
Cover Sheet  
Scale: As Shown  
600' SCALE MAP NO. 34-335 BLOCK NO. G412/187

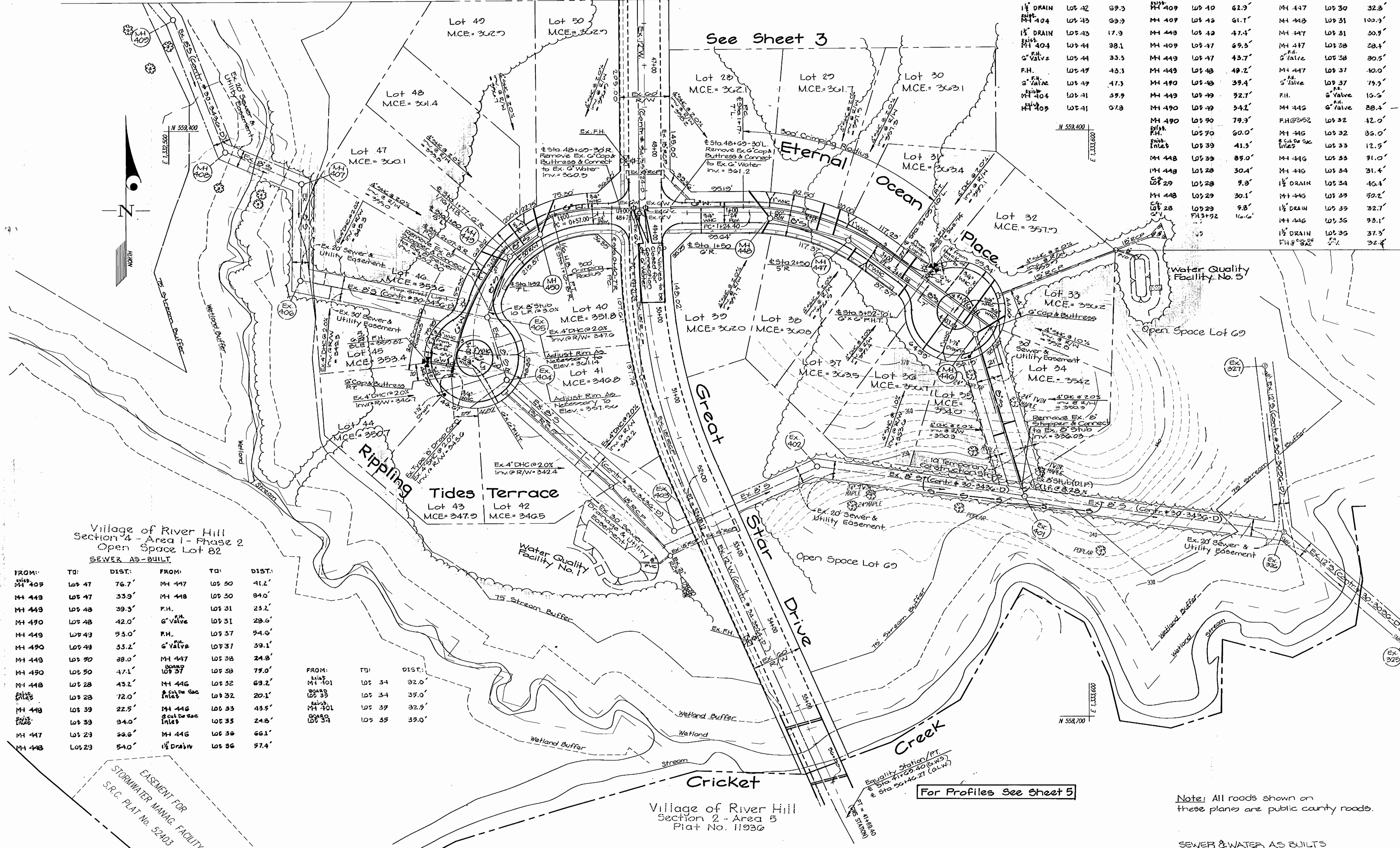
Village of River Hill  
Section 4, Area 3  
Lots 1-69  
Contract No: 34-3445-D  
Elliott City Election District No. 5 - Howard County, Maryland

SCALE AS SHOWN  
SHEET 1 OF 7

GLW FILE No. 24050

Match Line

FROM:	TO:	DIST.:	FROM:	TO:	DIST.:	FROM:	TO:	DIST.:
MH 404	Lot 42	29.2	MH 404	Lot 40	40.8	MH 448	Lot 30	38.0
1 1/2" DRAIN	Lot 42	39.3	MH 409	Lot 40	62.9	MH 447	Lot 30	32.8
MH 404	Lot 43	39.9	MH 409	Lot 43	61.7	MH 448	Lot 31	109.9
1 1/2" DRAIN	Lot 43	17.9	MH 449	Lot 43	47.4	MH 447	Lot 31	50.7
MH 404	Lot 44	38.1	MH 409	Lot 47	69.5	MH 447	Lot 38	28.4
6" Valve	Lot 44	33.3	MH 449	Lot 47	43.7	6" Valve	Lot 38	80.9
F.H.	Lot 47	45.3	MH 449	Lot 48	49.2	MH 447	Lot 37	40.0
6" Valve	Lot 49	47.3	MH 490	Lot 48	39.4	6" Valve	Lot 37	79.9
MH 404	Lot 41	37.9	MH 449	Lot 49	92.7	F.H.	6" Valve	16.6
MH 409	Lot 41	07.8	MH 490	Lot 49	34.2	MH 448	6" Valve	28.4
			MH 490	Lot 50	79.3	F.H. @ 52	Lot 32	42.0
			6" Valve	Lot 50	60.0	MH 448	Lot 32	36.0
			6" Valve	Lot 50	41.3	6" Valve @ 52	Lot 33	12.9
			MH 448	Lot 39	85.0	MH 448	Lot 33	91.0
			MH 448	Lot 28	30.4	MH 448	Lot 34	31.4
			1 1/2" DRAIN	Lot 28	9.8	1 1/2" DRAIN	Lot 34	46.4
			MH 448	Lot 29	30.1	MH 448	Lot 35	70.2
			6" Valve	Lot 28	9.8	1 1/2" DRAIN	Lot 35	32.7
			F.H. @ 52	Lot 28	16.6	MH 448	Lot 36	93.1
						1 1/2" DRAIN	Lot 36	37.3
						F.H. @ 52	Lot 36	32.4



Village of River Hill  
Section 4 - Area 1 - Phase 2  
Open Space Lot 82

FROM:	TO:	DIST.:	FROM:	TO:	DIST.:
MH 409	Lot 47	76.7'	MH 447	Lot 30	41.2'
MH 449	Lot 47	33.9'	MH 448	Lot 30	84.0'
MH 449	Lot 48	39.3'	F.H.	Lot 31	25.2'
MH 490	Lot 48	42.0'	6" Valve	Lot 31	28.6'
MH 449	Lot 43	53.0'	F.H.	Lot 37	94.6'
MH 490	Lot 49	33.2'	6" Valve	Lot 37	39.1'
MH 449	Lot 50	88.0'	MH 447	Lot 38	24.8'
MH 490	Lot 50	47.1'	Lot 37	Lot 38	75.0'
MH 448	Lot 28	43.2'	MH 446	Lot 32	69.2'
6" Valve	Lot 28	72.0'	6" Valve @ 52	Lot 32	20.1'
MH 448	Lot 39	22.5'	MH 446	Lot 33	43.5'
6" Valve	Lot 39	94.0'	6" Valve @ 52	Lot 33	24.8'
MH 447	Lot 29	62.6'	MH 446	Lot 36	66.1'
MH 448	Lot 29	54.0'	1 1/2" Drain	Lot 36	57.4'

FROM:	TO:	DIST.:
6" Valve	Lot 34	32.0'
6" Valve	Lot 34	39.0'
MH 401	Lot 35	32.5'
6" Valve	Lot 34	39.0'

Village of River Hill  
Section 2 - Area 5  
Plat No. 11936

For Profiles See Sheet 5

Note: All roads shown on these plans are public county roads.

SEWER & WATER, AS BUILTS

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Michael A. Reinhold*  
CHIEF, BUREAU OF UTILITIES

1-27-97  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*Chris Dorman*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

2/7/97  
DATE

**GLW** GUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866  
TEL: (410) 880-1820 FAX: (301) 421-4186



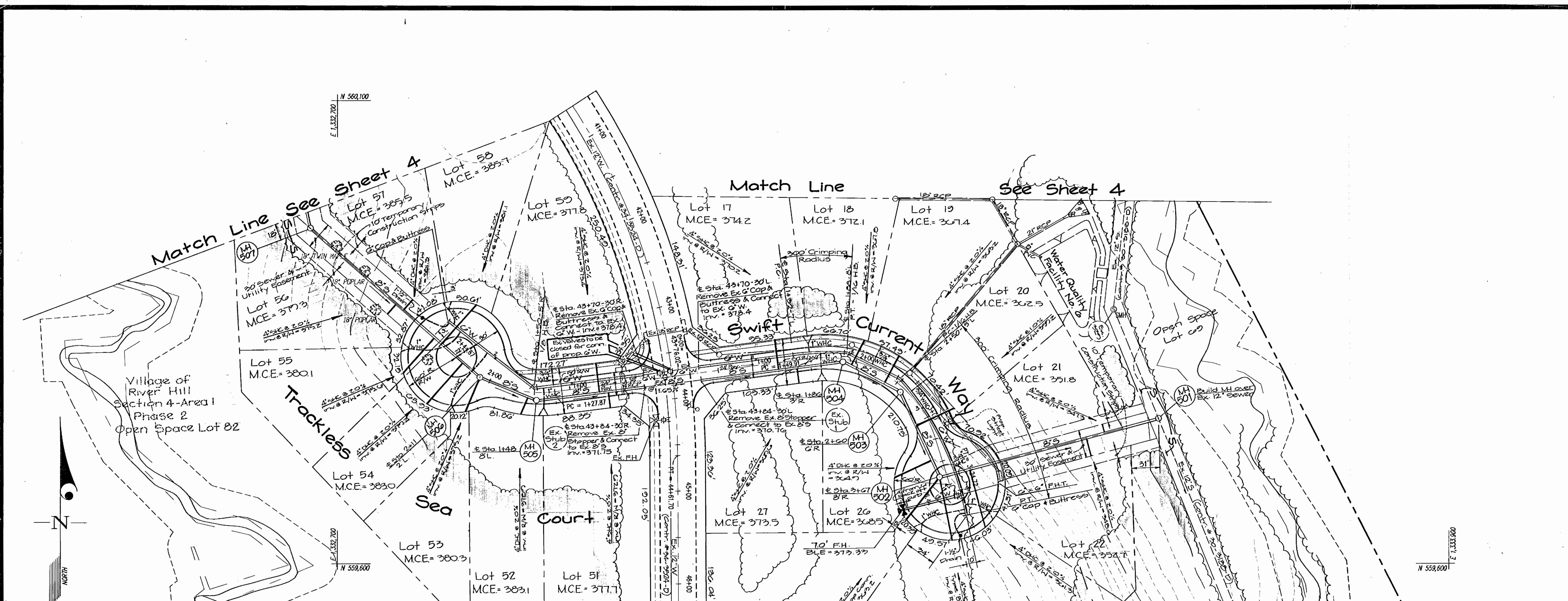
DES: GAH	
DRN: CAD/GAH	
CHK: CKG	
DATE: Jan 1997	
BY: NO	
REVISION	

WATER AND SEWER PLAN  
SCALE: 1" = 50'

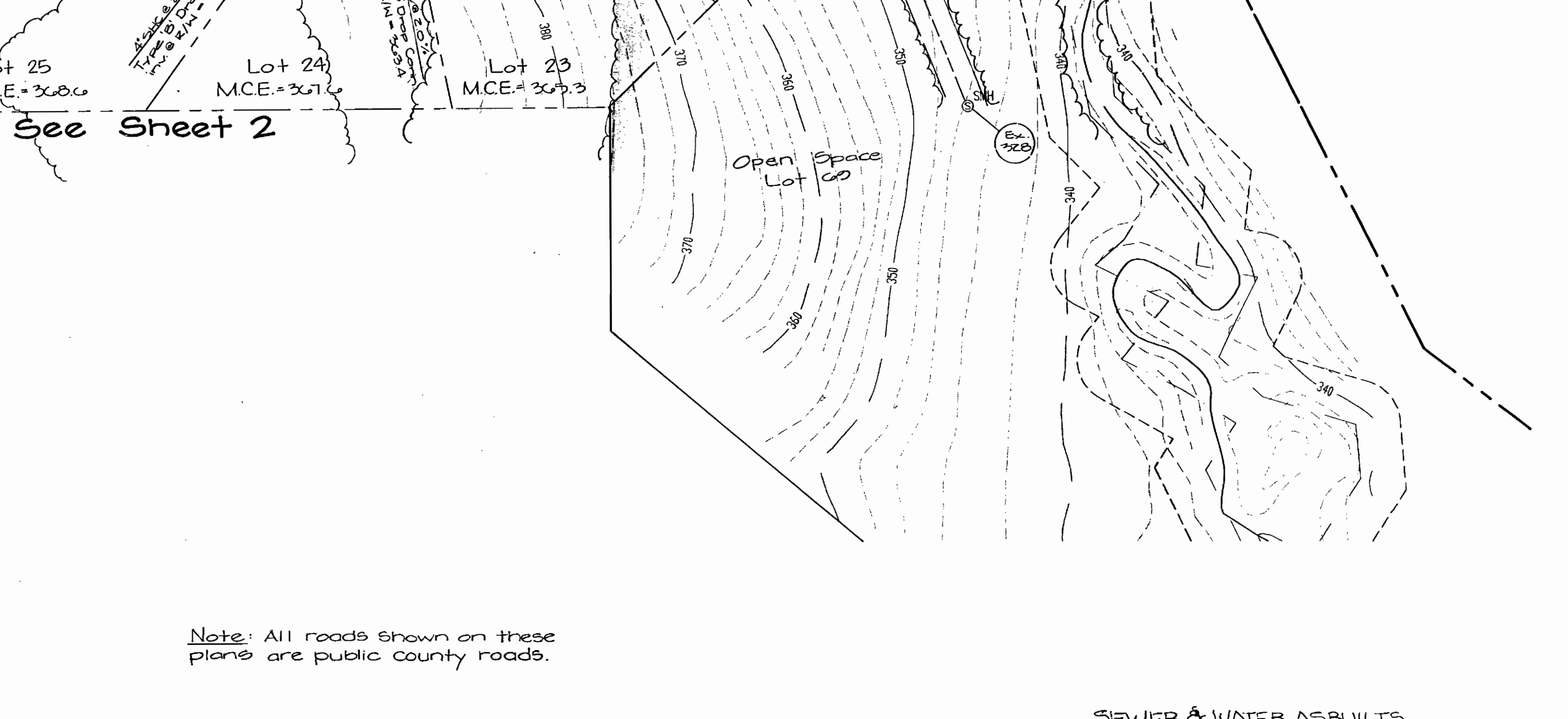
600' SCALE MAP NO. 34 & 35 BLOCK NO. 6812 / 187 ELLICOTT CITY ELECTION DISTRICT NO. 5

VILLAGE OF RIVER HILL  
SECTION 4, AREA 3  
LOTS 1 - 69  
CONTRACT NO: 34-3445-D  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 7



SEWER AS-BUILT			WATER AS-BUILT		
FROM:	TO:	DIST.:	FROM:	TO:	DIST.:
MH 506	Lot 52	78.1'	MH 506	Lot 55	90.4'
MH 505	Lot 52	22.5'	1/2" DRAIN	Lot 55	37.9'
MH 505	Lot 51	80.3'	MH 505	Lot 56	92.6'
Ex. 12' F.H.	Lot 51	51.1'	1/2" DRAIN	Lot 56	32.9'
MH 505	Lot 53	76.7'	MH 505	Lot 57	91.1'
Ex. 12' F.H.	Lot 53	30.2'	1/2" DRAIN	Lot 57	55.1'
MH 502	Lot 58	82.2'	MH 505	Lot 58	90.9'
BOARD LOT 57	Lot 58	70.5'	1/2" DRAIN	Lot 58	38.6'
BOARD LOT 58	Lot 57	70.5'	MH 505	Lot 59	77.3'
BOARD LOT 59	Lot 57	35.2'	MH 505	Lot 59	38.9'
BOARD LOT 57	Lot 56	35.2'	MH 505	Lot 51	20.2'
BOARD LOT 58	Lot 56	63.1'	MH 505	Lot 52	75.5'
MH 506	Lot 55	82.3'	MH 505	Lot 52	17.7'
BOARD LOT 56	Lot 55	25.1'	MH 506	Lot 53	48.0'
MH 505	Lot 54	65.1'	MH 505	Lot 53	31.5'
BOARD LOT 55	Lot 54	42.7'	MH 505	Lot 54	50.7'
MH 506	Lot 53	59.6'	MH 505	Lot 54	97.5'
BOARD LOT 54	Lot 53	42.7'	MH 502	Lot 17	50.8'
			MH (EXIST.)	Lot 17	93.9'
			MH (EXIST.)	Lot 18	44.7'
			MH (EXIST.)	Lot 18	49.7'
			MH 504	Lot 19	44.8'
			MH (EXIST.)	Lot 19	52.5'
			MH (EXIST.)	Lot 19	52.5'



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Michael A. Rusanillo* 1-29-97  
CHIEF, BUREAU OF UTILITIES RMB DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*Michael A. Rusanillo* 2/19/97  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**GLW** GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866  
TEL: (410) 880-1820 ~ FAX: (301) 421-4186

DES: GAH  
DRN: CAD/GAH  
CHK: CXG  
DATE: Jan 1996

WATER AND SEWER PLAN  
SCALE: 1" = 50'

600' SCALE MAP NO. 34 & 35 BLOCK NO. 6812 / 187

SEWER & WATER AS-BUILTS

VILLAGE OF RIVER HILL  
SECTION 4, AREA 3  
LOTS 1 - 69  
CONTRACT NO: 34-3445-D  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 7

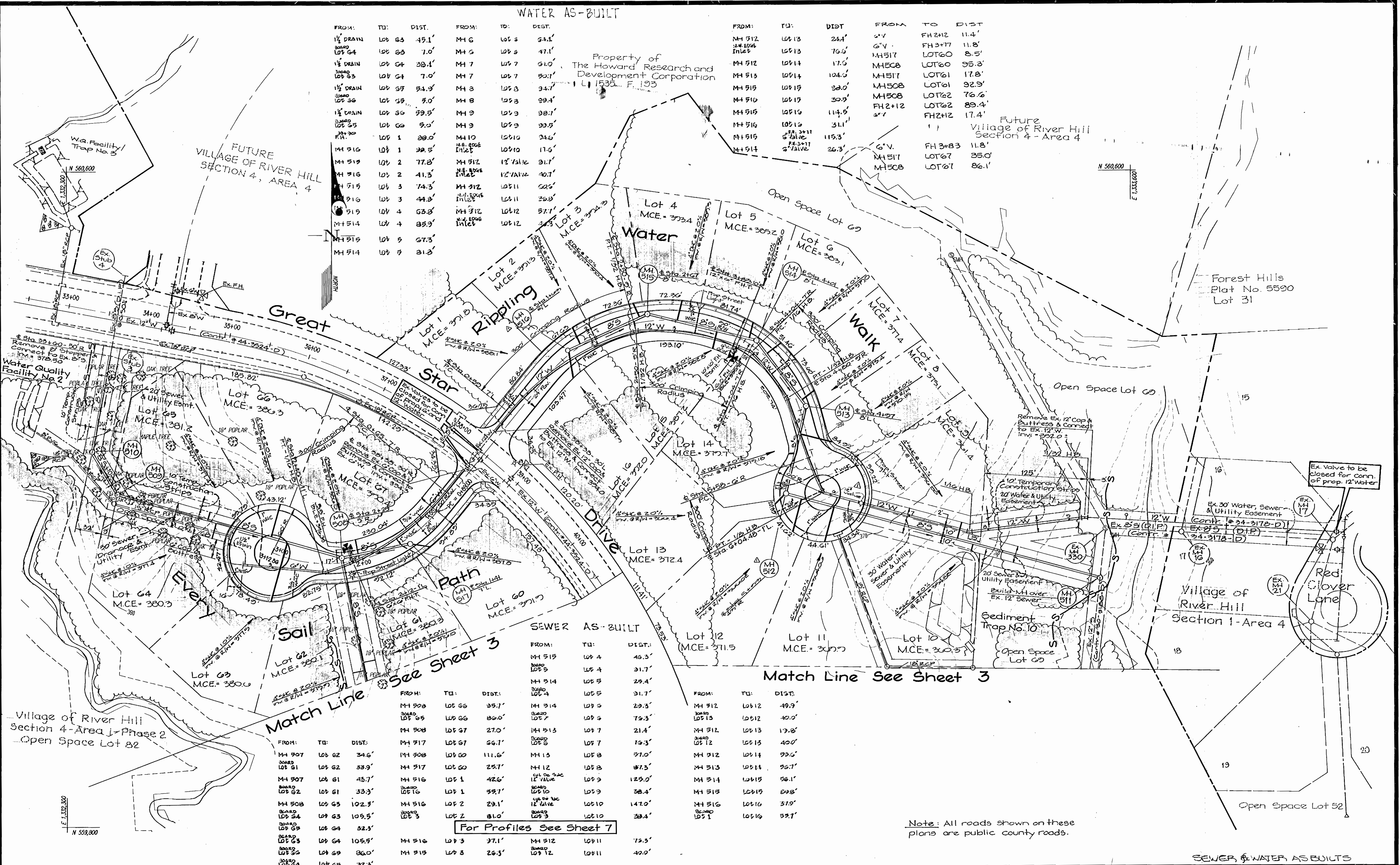
WATER AS-BUILT

FROM:	TO:	DIST.	FROM:	TO:	DIST.
1/2 DRAIN BOARD LOT 64	LOT 63	45.1'	MH 6	LOT 6	54.1'
1/2 DRAIN BOARD LOT 63	LOT 64	7.0'	MH 6	LOT 6	47.1'
1/2 DRAIN BOARD LOT 63	LOT 64	38.1'	MH 7	LOT 7	61.0'
1/2 DRAIN BOARD LOT 63	LOT 64	7.0'	MH 7	LOT 7	50.7'
1/2 DRAIN BOARD LOT 66	LOT 65	54.3'	MH 8	LOT 8	34.7'
1/2 DRAIN BOARD LOT 65	LOT 66	5.0'	MH 8	LOT 8	99.4'
1/2 DRAIN BOARD LOT 65	LOT 66	59.5'	MH 9	LOT 9	38.7'
1/2 DRAIN BOARD LOT 65	LOT 66	5.0'	MH 9	LOT 9	39.5'
1/2 DRAIN BOARD LOT 65	LOT 66	28.0'	MH 10	LOT 10	34.0'
1/2 DRAIN BOARD LOT 65	LOT 66	98.5'	MH 10	LOT 10	17.0'
1/2 DRAIN BOARD LOT 65	LOT 66	77.8'	MH 512	LOT 12	31.7'
1/2 DRAIN BOARD LOT 65	LOT 66	41.3'	MH 512	LOT 12	40.7'
1/2 DRAIN BOARD LOT 65	LOT 66	74.3'	MH 512	LOT 12	50.2'
1/2 DRAIN BOARD LOT 65	LOT 66	44.8'	MH 512	LOT 12	39.8'
1/2 DRAIN BOARD LOT 65	LOT 66	63.8'	MH 512	LOT 12	57.1'
1/2 DRAIN BOARD LOT 65	LOT 66	85.9'	MH 512	LOT 12	3.3'
1/2 DRAIN BOARD LOT 65	LOT 66	67.3'			
1/2 DRAIN BOARD LOT 65	LOT 66	81.2'			

Property of The Howard Research and Development Corporation  
L 1535 F 193

FROM:	TO:	DIST.	FROM:	TO:	DIST.
MH 512	LOT 13	24.4'	6' V.	FH 2H2	11.4'
MH 512	LOT 13	76.6'	6' V.	FH 3+7	11.8'
MH 512	LOT 14	17.6'	MH 517	LOT 60	8.5'
MH 513	LOT 14	104.6'	MH 508	LOT 60	95.3'
MH 515	LOT 15	32.0'	MH 517	LOT 61	17.8'
MH 516	LOT 15	39.9'	MH 508	LOT 61	92.9'
MH 515	LOT 16	114.5'	MH 508	LOT 62	76.6'
MH 516	LOT 16	31.1'	FH 2+12	LOT 62	89.4'
MH 515	LOT 16	115.3'	6' V.	FH 3+83	11.8'
MH 514	LOT 16	26.3'	MH 517	LOT 67	35.0'
			MH 508	LOT 67	86.1'

Future Village of River Hill Section 4 - Area 4



SEWER AS-BUILT

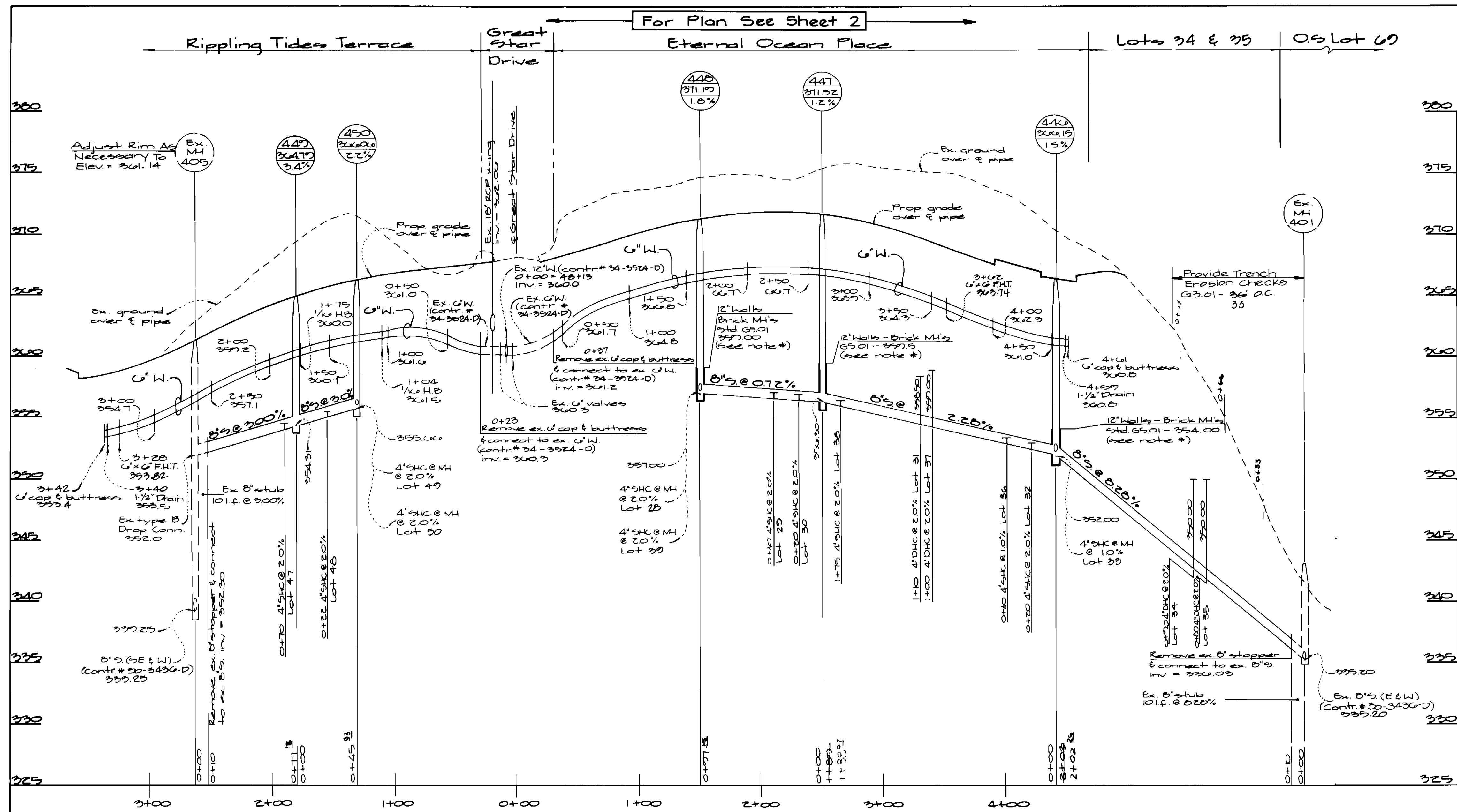
FROM:	TO:	DIST.	FROM:	TO:	DIST.
MH 515	LOT 4	46.3'	MH 512	LOT 12	49.9'
BOARD LOT 4	LOT 4	31.7'	BOARD LOT 5	LOT 5	40.0'
MH 514	LOT 5	29.4'	MH 512	LOT 7	19.2'
BOARD LOT 4	LOT 5	31.7'	MH 512	LOT 13	40.0'
MH 514	LOT 6	29.3'	MH 512	LOT 14	39.6'
MH 513	LOT 7	21.4'	MH 514	LOT 15	56.1'
BOARD LOT 6	LOT 7	19.3'	MH 513	LOT 15	69.8'
MH 13	LOT 8	37.0'	MH 516	LOT 16	31.9'
MH 12	LOT 8	87.3'	BOARD LOT 1	LOT 16	39.7'
cut on sac 12 valve	LOT 9	125.0'			
cut on sac 12 valve	LOT 9	38.4'			
cut on sac 12 valve	LOT 10	147.0'			
cut on sac 12 valve	LOT 10	39.4'			
MH 516	LOT 3	37.1'	MH 512	LOT 11	72.5'
MH 513	LOT 3	26.3'	BOARD LOT 12	LOT 11	40.0'

For Profiles See Sheet 7

Match Line See Sheet 3

Note: All roads shown on these plans are public county roads.

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>Michele A. Brannan</i> 1/27/99 CHIEF, BUREAU OF UTILITIES</p>	<p>DEPARTMENT OF ZONING PLANNING AND ZONING HOWARD COUNTY, MARYLAND</p> <p><i>John P. ...</i> 2/7/97 CHIEF, DEVELOPMENT ENGINEERING DIVISION</p>	<p><b>GLW</b> GUTSCHICK LITTLE &amp; WEBER, P.A. CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866 TEL: (410) 880-1820 ~ FAX: (301) 421-4186</p>		<p>DES: GAH DRN: CAD/GAH CHK: CKG DATE: Jan 1999</p>	<p>WATER AND SEWER PLAN SCALE: 1" = 50'</p>	<p>VILLAGE OF RIVER HILL SECTION 4, AREA 3 LOTS 1 - 69 CONTRACT NO.: 34-3445-D</p>	<p>SCALE AS SHOWN SHEET 4 OF 7</p>
---	--	---	--	--	---	--	--



**\*Note:**  
 12" and 18" walls not required for precast manholes. When using precast manholes see std. det. G5.11

SEWER & WATER ALLEYS

Dept. of Public Works  
 Howard County, Maryland  
 Michael A. Bernhardt  
 CHIEF, BUREAU OF UTILITIES  
 1-29-97  
 DATE

Dept. of Planning & Zoning  
 Howard County, Maryland  
 [Signature]  
 CHIEF DEVELOPMENT ENGINEERING DIV.  
 DATE 2/2/97

**GW** GUTSCHICK LITTLE & WEBER, P.A.  
 ENGINEERS, PLANNERS, SURVEYORS  
 3909 NATIONAL DRIVE SUITE 230 WURTONSVILLE OFFICE PARK  
 WURTONSVILLE, MD 20866  
 (301) 421-4024

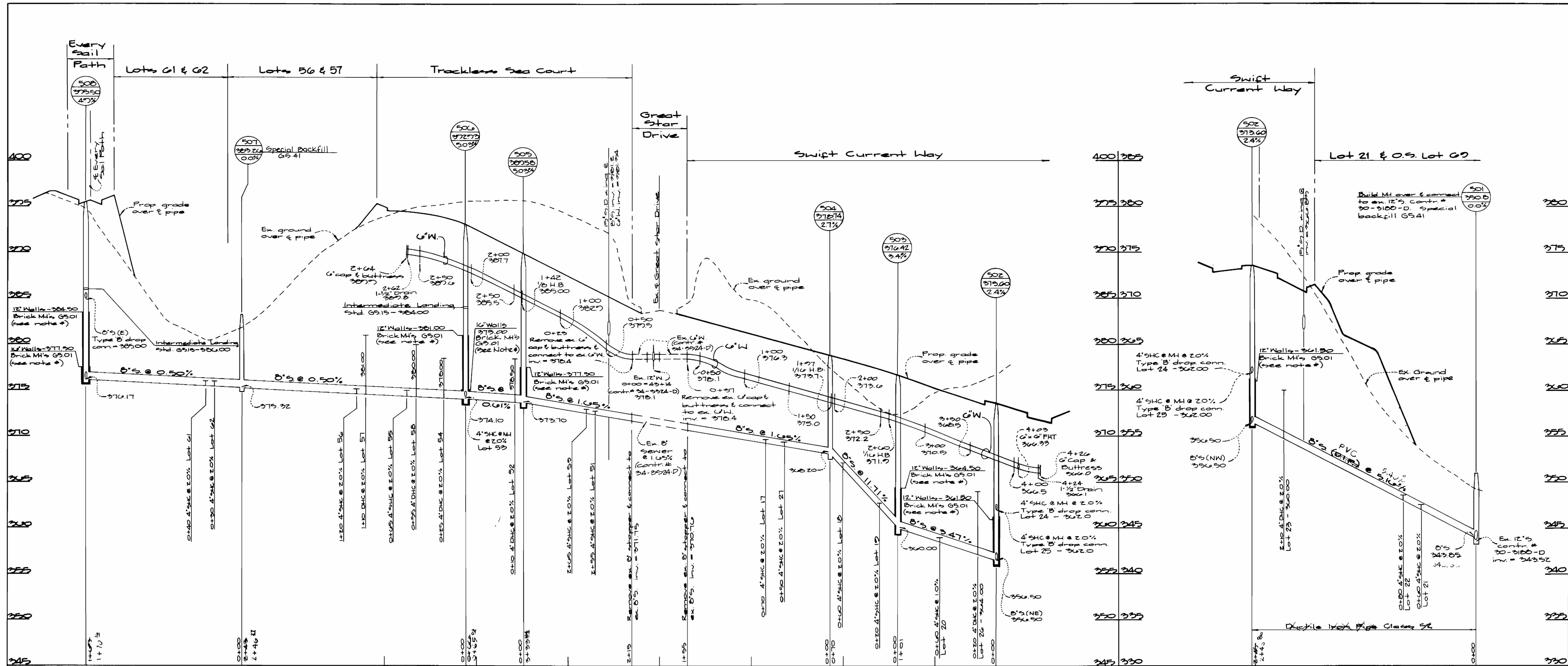
[Signature]

DES: GAH					
DRN: KLP					
CHK: CKG					
DATE: Jan. 1997	BY	NO.	REVISION	DATE	

Water & Sewer Profiles  
 scales: 1" = 5' vert.  
 1" = 30' horiz.  
 600' SCALE MAP NO. 34 & 35 BLOCK NO. 2 & 12/187

Village of River Hill  
 Section 4 - Area 3  
 Lots 1 - 69  
 Contract No.: 34-3445-D  
 Ellicott City, Election District No. 5  
 Howard County, Maryland

SCALE AS SHOWN  
 SHEET 5 OF 7



**\*Note:**  
 12" & 10" Walls not required for precast manholes. When using precast manholes see std. det. G5.11

Dept. of Public Works  
 Howard County, Maryland  
 Michael A. ...  
 CHIEF, BUREAU OF UTILITIES

Dept. of Planning & Zoning  
 Howard County, Maryland  
 ...  
 CHIEF, DEVELOPMENT ENGINEERING DIV.

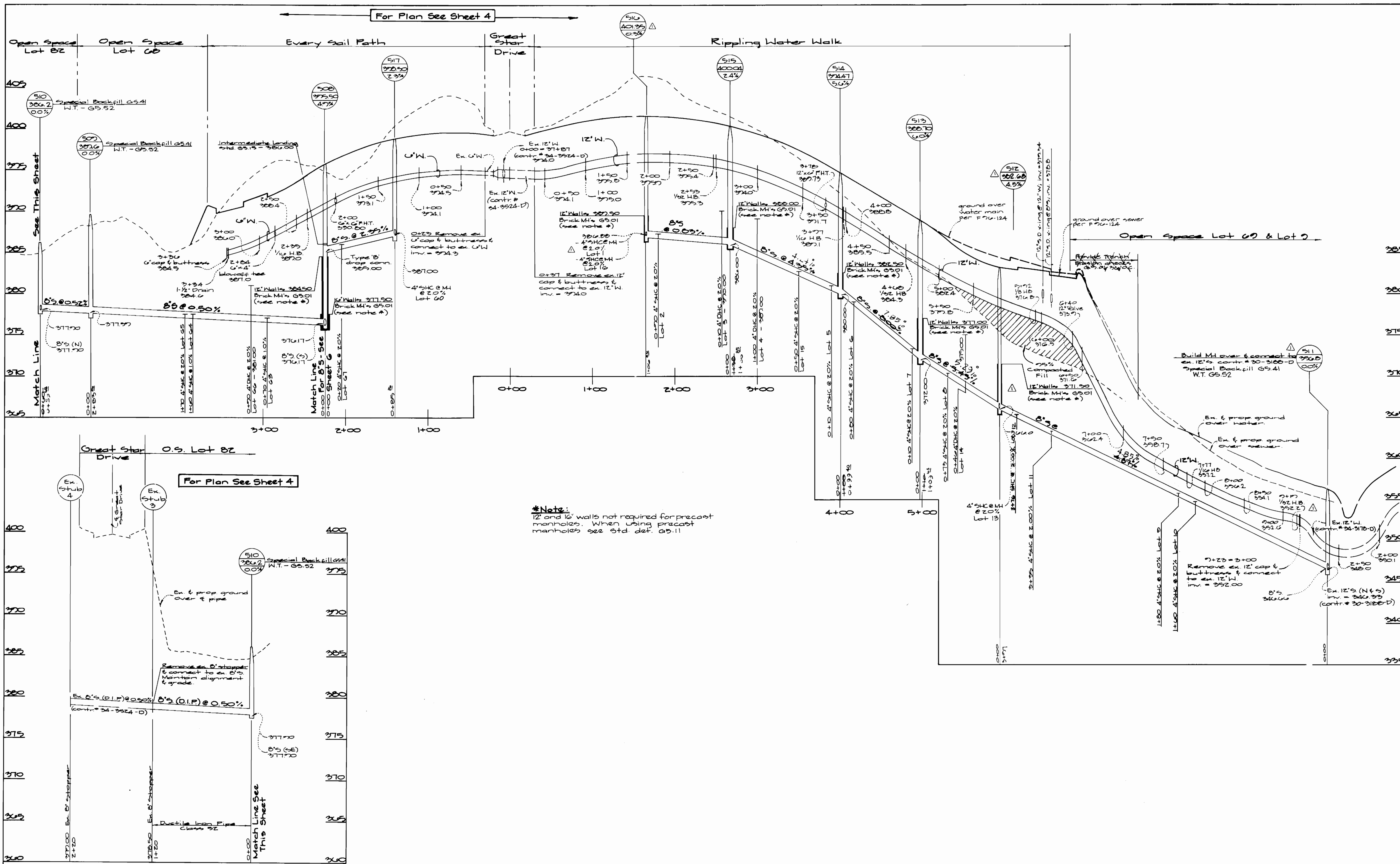
**GLW** GUTSCHICK LITTLE & WEBER, P.A.  
 ENGINEERS, PLANNERS, SURVEYORS  
 3509 NATIONAL DRIVE SUITE 250 BURTOWNVILLE OFFICE PARK  
 BURTOWNVILLE, MD. 20866  
 (301) 421-4024

DES: GAH					
DRN: KLP					
CHK: CKG					
DATE: Jan. 1996	BY: NO.	REVISION	DATE	600' SCALE MAP NO. 34 & 35	BLOCK NO. 46 & 11 & 7

Water & Sewer Profiles  
 Scales: 1" = 5' vert.  
 1" = 50' horiz.

SEWER & WATER, A.P. 111  
**Village of River Hill**  
 section 4 Area 3  
 Lots 1 - 09  
 Contract No.: 34 - 3445-D  
 Ellicott City Election District No. 3  
 Howard County, Maryland

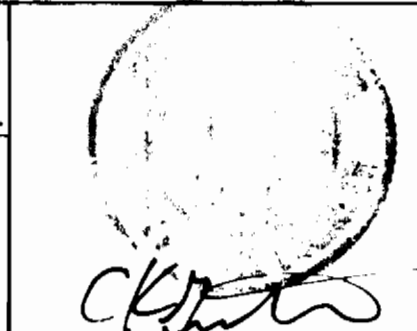
SCALE AS SHOWN  
 SHEET 6 OF 7



Dept. of Public Works  
Howard County, Maryland  
Michael A. Gussard  
CHIEF, BUREAU OF UTILITIES  
1-29-97

Dept. of Planning & Zoning  
Howard County, Maryland  
[Signature]  
CHIEF, DEVELOPMENT ENGINEERING DIV  
2/2/97

**GW** GUTSCHICK LITTLE & WEBER, P.A.  
ENGINEERS, PLANNERS, SURVEYORS  
3909 NATIONAL DRIVE SUITE 200 BURTONTVILLE OFFICE PARK  
BURTONTVILLE, MD 20866  
(301) 421-4024



DES: GAH	MCP	rev 07/98 MH 30' & MH 50' thru 80', rev. stations & elevs. on 12" W from 3140 thru 3175	4/28/97
DRN: KLP			
CHK: CKA			
DATE: Jan. 1993	BY: NO.	REVISION	DATE

Water & Sewer Profiles  
Scales: 1" = 5' vert.  
1" = 50' horiz.

SEWER & WATER, A. L. 10712  
**Village of River Hill**  
Section 4 Area 3  
Lots 1-66  
Contract No: 34-3445-D  
Elliott City Election District No 3  
Howard County, Maryland

SCALE AS SHOWN  
SHEET 1 OF 7

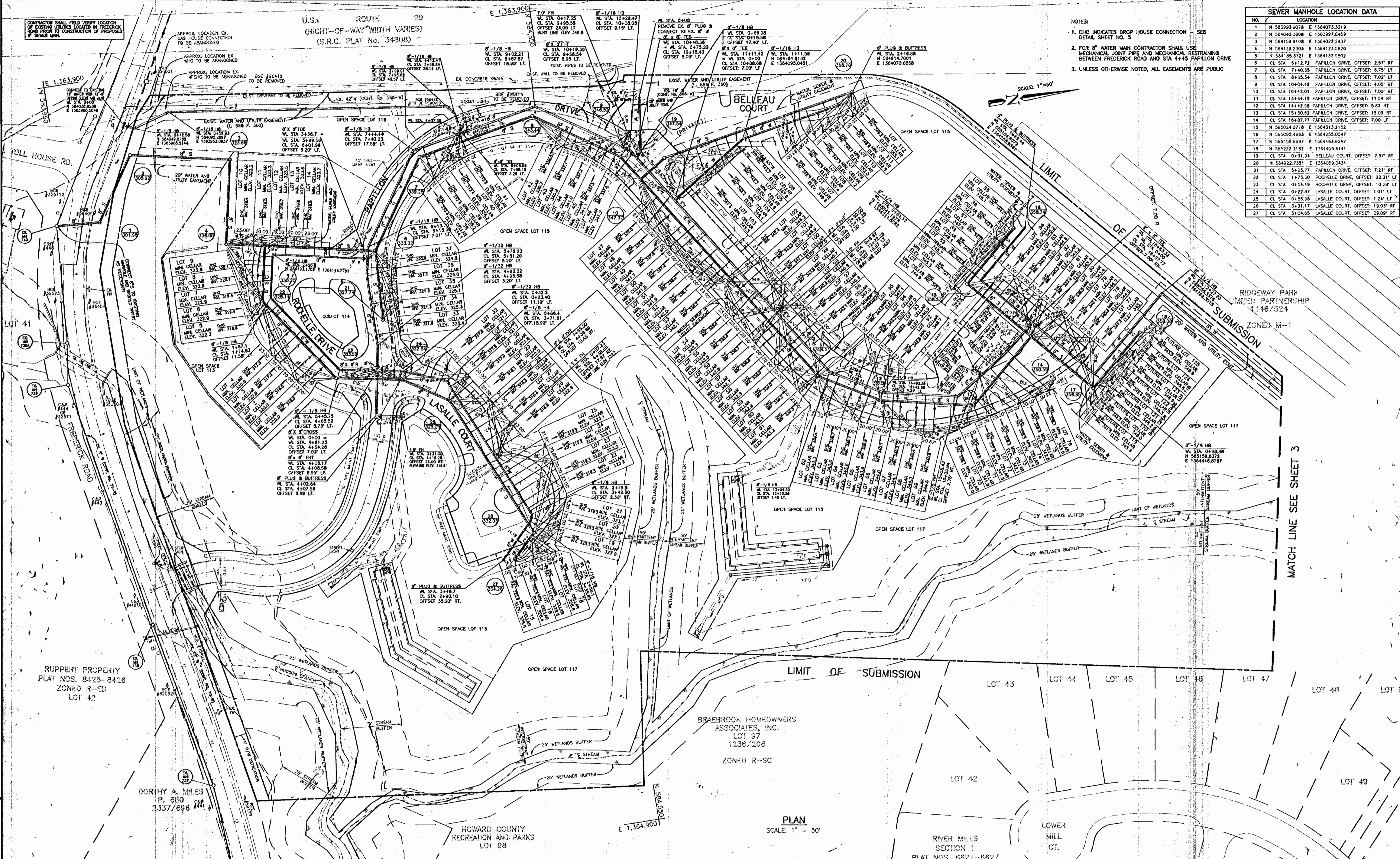
3455 W/2 PAPILLON

CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING UTILITIES LOCATED IN FREDERICK ROAD FROM TO CONSTRUCTION OF PROPOSED SEWER MAIN.

U.S. ROUTE 29 (RIGHT-OF-WAY WIDTH VARIES) (S.R.C. PLAT No. 3480B)

- NOTES:
- DHC INDICATES DROP HOUSE CONNECTION - SEE DETAIL SHEET NO. 5
  - FOR W/ WATER MAIN CONTRACTOR SHALL USE MECHANICAL JOINT PIPE AND MECHANICAL RESTRAINING BETWEEN FREDERICK ROAD AND STA 44+45 PAPILLON DRIVE
  - UNLESS OTHERWISE NOTED, ALL EASEMENTS ARE PUBLIC

SEWER MANHOLE LOCATION DATA		
NO.	LOCATION	
1	N 583990.9078	E 1364073.3019
2	N 584040.3808	E 1363997.8459
3	N 584159.9108	E 1364022.2437
4	N 584159.2509	E 1364123.5620
5	N 584165.3921	E 1364132.9802
6	CL STA 8+12.72	PAPILLON DRIVE, OFFSET: 2.5' RT
7	CL STA 7+40.35	PAPILLON DRIVE, OFFSET: 8.75' LT
8	CL STA 8+35.34	PAPILLON DRIVE, OFFSET: 7.02' LT
9	CL STA 10+04.49	PAPILLON DRIVE, OFFSET: 4.05' RT
10	CL STA 10+42.01	PAPILLON DRIVE, OFFSET: 7.00' RT
11	CL STA 13+54.15	PAPILLON DRIVE, OFFSET: 11.04' RT
12	CL STA 14+42.98	PAPILLON DRIVE, OFFSET: 5.82' RT
13	CL STA 15+50.62	PAPILLON DRIVE, OFFSET: 19.09' RT
14	CL STA 16+37.77	PAPILLON DRIVE, OFFSET: 7.00' LT
15	N 585024.0778	E 1364313.2152
16	N 585020.4983	E 1364255.0047
17	N 585155.0597	E 1364468.8247
18	N 585232.3182	E 1364405.4141
19	CL STA 0+31.34	BELLEAU COURT, OFFSET: 7.57' RT
20	N 584922.7351	E 1364059.0431
21	CL STA 5+25.77	PAPILLON DRIVE, OFFSET: 7.21' RT
22	CL STA 1+73.30	ROCHELLE DRIVE, OFFSET: 22.31' LT
23	CL STA 0+54.49	ROCHELLE DRIVE, OFFSET: 10.28' LT
24	CL STA 0+22.87	LASALLE COURT, OFFSET: 1.01' LT
25	CL STA 0+58.98	LASALLE COURT, OFFSET: 1.24' LT
26	CL STA 3+31.17	LASALLE COURT, OFFSET: 19.03' RT
27	CL STA 3+04.65	LASALLE COURT, OFFSET: 38.09' RT



RIDGEWAY PARK (LIMIT) PARTNERSHIP 1146/524

ZONED M-1

SUBMISSION

MATCH LINE SEE SHEET 3

RUPPERT PROPERTY PLAT NOS. 8425-8426 ZONED R-ED LOT 42

DOROTHY A. MILES P. 680 3337/698

HOWARD COUNTY RECREATION AND PARKS LOT 98

BRAEBROOK HOMEOWNERS ASSOCIATES, INC. LOT 97 1236/206 ZONED R-SC

PLAN SCALE: 1" = 50'

RIVER MILLS SECTION 1 PLAT NOS. 6621-6627

LOWER MILL CT.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

TSA GROUP, INC. planning • engineering • surveying 8480 Baltimore National Pike • Suite 418 Ellicott City, Maryland 21043



DES:	JH
DRN:	JH
CHK:	JME
DATE:	JAN. 1998
NOV. 1996	BY NO. REVISIONS

PLAN OF WATER & SEWER MAINS WATER AS BUILT ONLY

PAPILLON SECTION 1 LOTS 1-118 ELECTION DISTRICT NO. 2

CONTRACT NO. 14-3455-D

SCALE 1" = 50' SHEET 2 OF 5 WATER AS BUILT PLAN ONLY