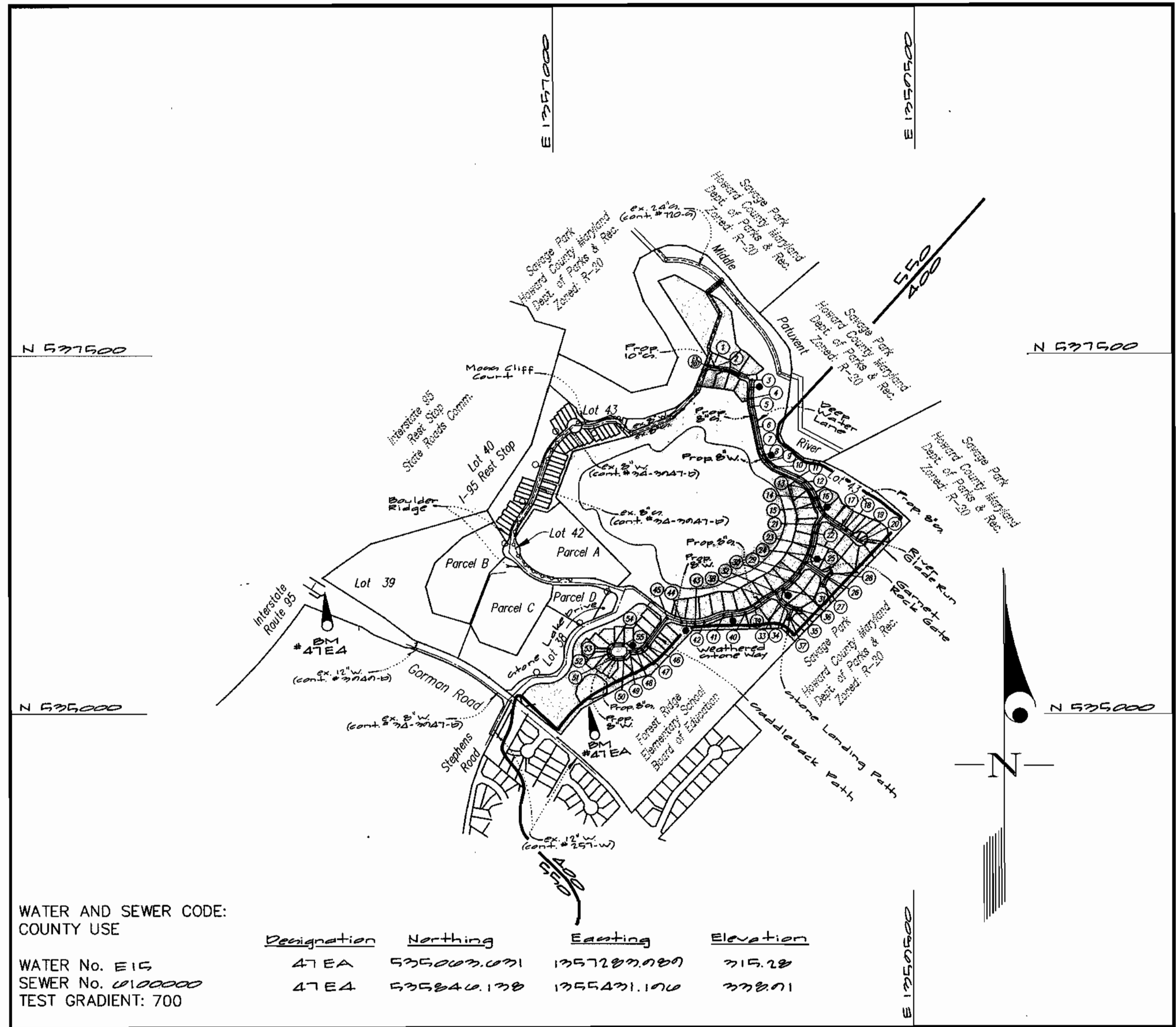


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER	412 L.F.	395 L.F.	CLASS 52	U.S. PIPE & FOUNDRY
6" WATER	517 L.F.	505 L.F.	"	"
1" WATER	1500 L.F.	1911 L.F.	SOFT K CAPTER	READING TUBE / US FILTER
8" SEWER	2502 L.F.	2475 L.F.	SDR 35	DIAMOND PLASTICS / US FILTER
8" SEWER (D.I.P.)	1213 L.F.	1209 L.F.	CLASS 52	U.S. PIPE & FOUNDRY
10" SEWER (D.I.P.)	442 L.F.	420 L.F.	"	"
MANHOLES	95 EA.	55 EA.	PRECAST	ATLANTIC CONCRETE
8" CAP	1 EA.	1 EA.	MS&P 153	UNION / US FILTER
8" x 8" TEE	2 EA.	3 EA.	"	"
8" VALVE	2 EA.	3 EA.	MS	MUELLER / US FILTER
8" 1/8 H.B.	10 EA.	10 EA.	MS&P 153	UNION / US FILTER
8" 1/16 H.B.	4 EA.	4 EA.	"	"
8" x 6" F.H.T. +1	9 EA.	8 EA. +1	MS&MOR	"
FIRE HYDRANT	9 EA. +1	8 EA. +1	Ho 12	MUELLER / US FILTER
1 1/2" Drain	1 EA.	1 EA.	"	"
8" x 6" Tee	2 EA.	2 EA.	MS&P 153	UNION / US FILTER
6" 1/2 H.B.	2 EA.	2 EA.	"	"
6" CAP	1 EA.	1 EA.	"	"
6" VALVE	2 EA. (2000)	3 EA.	MS	MUELLER / US FILTER
6" x 6" Tee	1 EA.	1 EA.	MS&P 153	UNION / US FILTER
4" Water	102 L.F.	110 L.F.	CLASS 52	U.S. PIPE & FOUNDRY
6" x 4" Reducer	2 EA.	2 EA.	MS&P 153	UNION / US FILTER
4" S.H.C.	1271 L.F.			
4" S.H.C. (Type 'A')	07 L.F.			
4" S.H.C. (Type 'B')	07 L.F.			
TOTAL	1406 L.F.	1464 L.F.	SDR 35	DIAMOND PLASTICS / US FILTER
Manhole Bore Conn. B	2 EA.			
Manhole Bore Conn. A	1 EA.			
2" WATER	29 L.F.			

NAME OF UTILITY CONTRACTOR: W.F. WILSON & SONS, INC.

SURVEY AND DRAFTING DIV. CHECKBOX: _____ AS-BUILT DATE: _____



VICINITY MAP
SCALE: 1"=600'

STONE LAKE - PHASE II (CONTRACT B)
 CONTRACT No. 34-3948-D
 LOTS 45 THRU 118
 Weathered Stone Way, Deep Water Lane, Stone Landing Path,
 Saddleback Place, Garnet Rock Gate & River Glade Run
 LIBER 5289 FOLIO 330
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

TYPE OF BUILDING	SINGLE FAMILY
NUMBER OF UNITS	70 LOTS
NUMBER OF S.H.C.'s	70
NUMBER OF W.H.C.'s	71
DRAINAGE AREA	MIDDLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WATER RECLAMATION PLANT

- 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.G.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 (circle with cross) at the location of the test pit. 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.
 - Contractor shall notify the following utility companies or agencies at least (5) working days before starting work shown on these plans:

State Highway Administration	410-531-5533
BGE Contractor Services	410-850-4620
BGE Under Ground Damage Control	410-291-4607
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	410-549-4120
Howard County Department of Public Works Bureau of Utilities	313-4900
Verizon	1-800-446-5266

- 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 & P-01-102.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

Signature: Jim Myra, Date: 1/30/02

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: John R. Robertson, Date: 1/30/02

HOWARD S.C.D.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Signature: Robert B. B... Date: 1-25-02
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Signature: ... Date: 2/1/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BAL: 410-980-1820 DC/VA: 301-980-2524 FAX: 301-421-4186



DES: RSP			
DRN: WSJ/CAD	KCI	2	AS-BUILT DATA REVISED 6/3/02
CHK: MJT	fmm	1	Revise Quantities Box + No. of Conn's 2/15/02
DATE: 2001	KCI	1	AS-BUILT DATA ADDED 12/09/02
BY: NO			REVISION DATE

TITLE SHEET
SCALE: AS SHOWN

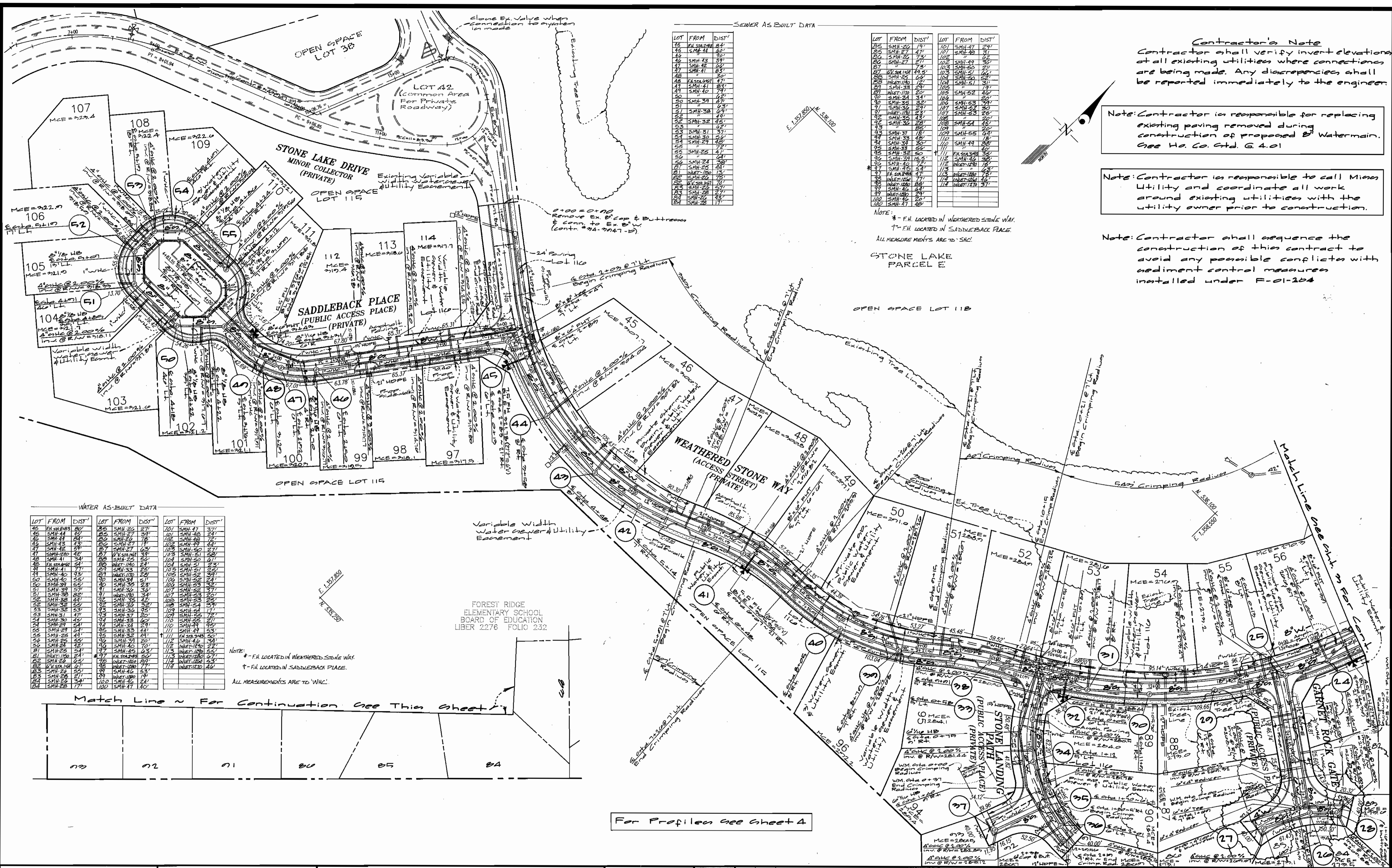
600' SCALE MAP NO. 47 BLOCK NO. 9/10

STONE LAKE
PLAT No.
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
CONTRACT No. 34-3948-D

SCALE AS SHOWN

SHEET 1 OF 5

GLW FILE No. 99140



SEWER AS BUILT DATA

LOT	FROM	DIST'
26	SMH-26	84
27	SMH-27	60
28	SMH-28	39
29	SMH-29	60
30	SMH-30	30
31	SMH-31	47
32	SMH-32	47
33	SMH-33	47
34	SMH-34	47
35	SMH-35	47
36	SMH-36	47
37	SMH-37	47
38	SMH-38	47
39	SMH-39	47
40	SMH-40	47
41	SMH-41	47
42	SMH-42	47
43	SMH-43	47
44	SMH-44	47
45	SMH-45	47
46	SMH-46	47
47	SMH-47	47
48	SMH-48	47
49	SMH-49	47
50	SMH-50	47
51	SMH-51	47
52	SMH-52	47
53	SMH-53	47
54	SMH-54	47
55	SMH-55	47
56	SMH-56	47

LOT	FROM	DIST'
101	SMH-101	29
102	SMH-102	31
103	SMH-103	32
104	SMH-104	33
105	SMH-105	34
106	SMH-106	35
107	SMH-107	36
108	SMH-108	37
109	SMH-109	38
110	SMH-110	39
111	SMH-111	40
112	SMH-112	41
113	SMH-113	42
114	SMH-114	43

NOTE:
 * - F.H. LOCATED IN WEATHERED STONE WAY.
 † - F.H. LOCATED IN SADDLEBACK PLACE.
 ALL MEASUREMENTS ARE TO 'W.M.C.'

Contractor's Note
 Contractor shall verify invert elevations at all existing utilities where connections are being made. Any discrepancies shall be reported immediately to the engineer.

Note: Contractor is responsible for replacing existing paving removed during construction of proposed Watermain. See H.C. Std. G 4.01

Note: Contractor is responsible to call Miss Utility and coordinate all work around existing utilities with the utility owner prior to construction.

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with sediment control measures installed under F-01-204

WATER AS-BUILT DATA

LOT	FROM	DIST'	LOT	FROM	DIST'	LOT	FROM	DIST'
40	SMH-40	80	101	SMH-101	29			
41	SMH-41	60	102	SMH-102	31			
42	SMH-42	39	103	SMH-103	32			
43	SMH-43	60	104	SMH-104	33			
44	SMH-44	30	105	SMH-105	34			
45	SMH-45	47	106	SMH-106	35			
46	SMH-46	47	107	SMH-107	36			
47	SMH-47	47	108	SMH-108	37			
48	SMH-48	47	109	SMH-109	38			
49	SMH-49	47	110	SMH-110	39			
50	SMH-50	47	111	SMH-111	40			
51	SMH-51	47	112	SMH-112	41			
52	SMH-52	47	113	SMH-113	42			
53	SMH-53	47	114	SMH-114	43			
54	SMH-54	47						
55	SMH-55	47						
56	SMH-56	47						

NOTE:
 * - F.H. LOCATED IN WEATHERED STONE WAY.
 † - F.H. LOCATED IN SADDLEBACK PLACE.
 ALL MEASUREMENTS ARE TO 'W.M.C.'

Match Line ~ For Continuation See This Sheet ~

For Profiles See Sheet 4

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert W. Danner 1-25-02
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 2/10/02
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
 3909 NATIONAL DRIVE - SUITE 250 - BARTONSVILLE OFFICE PARK
 BURTONSVILLE, MARYLAND 20866
 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



DES: WAJ	DRN: KLP	CHK:	DATE: 2-01-02	BY	NO	REVISION	DATE

WATER & SEWER PLAN
 SCALE: 1" = 50'
 600' SCALE MAP NO. 47 BLOCK NO. 210

STONE LAKE
 PLAT No. HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 6
 CONTRACT No. 34-3948-D
 SCALE AS SHOWN
 SHEET 2 OF 3

Contractor's Note

Contractor shall verify invert elevations at all existing utilities where connections are being made. Any discrepancies shall be reported immediately to the engineer.

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with sediment control measures installed under F-01-204

Note: Contractor is responsible to call Miss Utility and coordinate all work around existing utilities with the utility owner prior to construction.

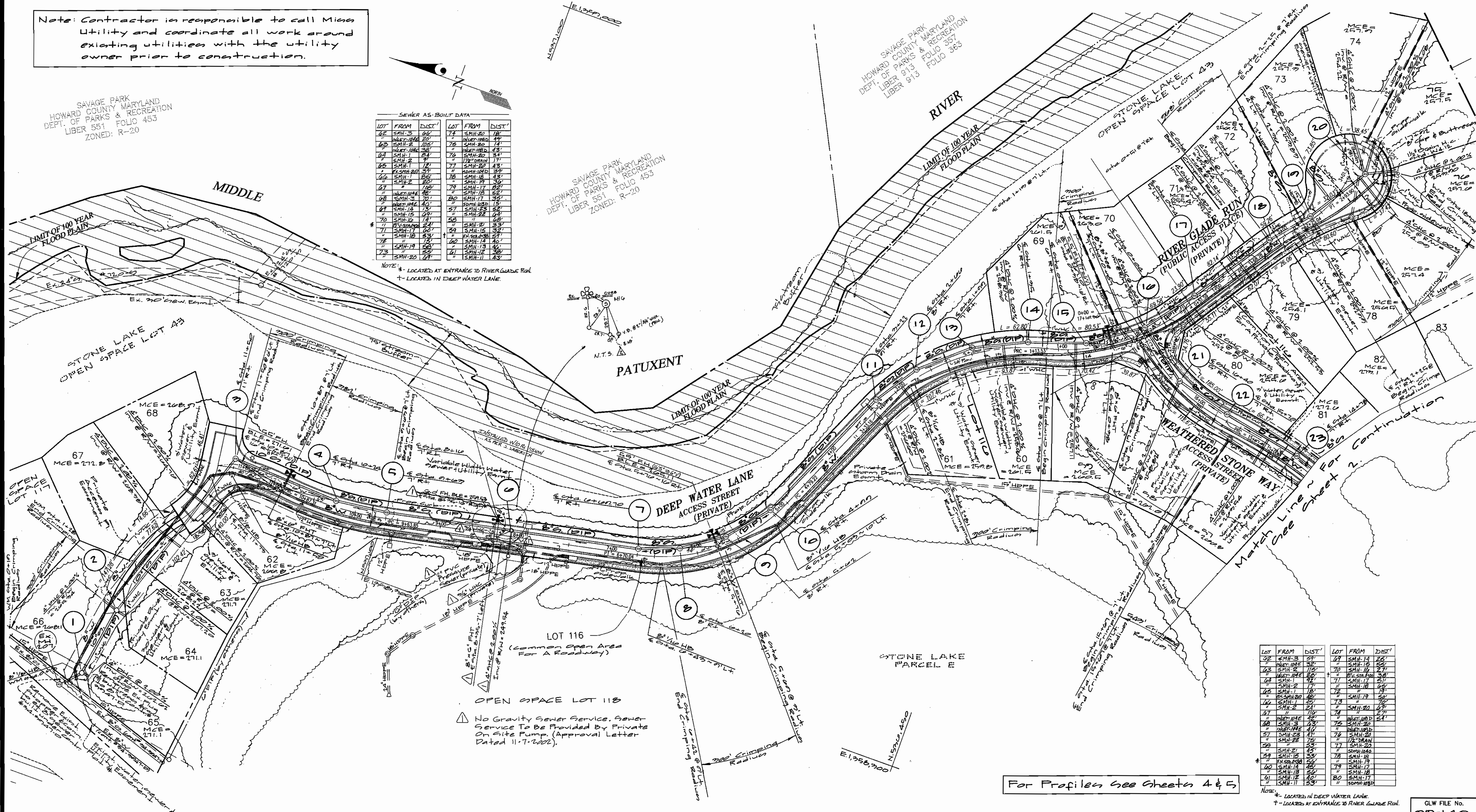
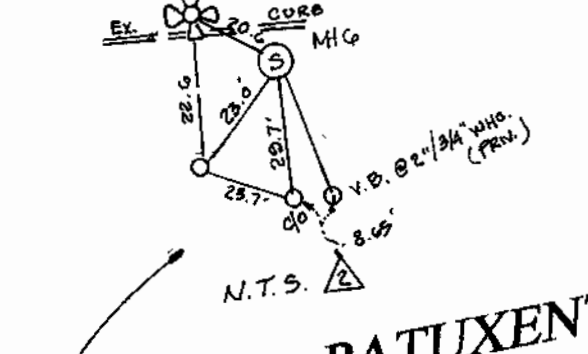
SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 551 FOLIO 453
ZONED: R-20

SEWER AS-BUILT DATA

LOT	FROM	DIST'	LOT	FROM	DIST'
62	SMH-3	06'	74	SMH-22	18'
63	INSTR. 104	20'	75	SMH-23	49'
64	SMH-1	24'	76	SMH-20	34'
65	SMH-2	11'	77	SMH-22	17'
66	SMH-1	12'	77	SMH-22	45'
66	SMH-20	34'	77	SMH-22	39'
66	SMH-1	24'	78	SMH-19	36'
67	SMH-2	11'	79	SMH-17	22'
67	SMH-1	12'	79	SMH-17	35'
67	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'

NOTE: * - LOCATED AT ENTRANCE TO RIVER GLADE RUN
+ - LOCATED IN DEEP WATER LANE.

SAVAGE PARK
HOWARD COUNTY MARYLAND
DEPT. OF PARKS & RECREATION
LIBER 551 FOLIO 453
ZONED: R-20



LOT	FROM	DIST'	LOT	FROM	DIST'
62	SMH-3	06'	74	SMH-22	18'
63	INSTR. 104	20'	75	SMH-23	49'
64	SMH-1	24'	76	SMH-20	34'
65	SMH-2	11'	77	SMH-22	17'
66	SMH-1	12'	77	SMH-22	45'
66	SMH-20	34'	77	SMH-22	39'
66	SMH-1	24'	78	SMH-19	36'
67	SMH-2	11'	79	SMH-17	22'
67	SMH-1	12'	79	SMH-17	35'
67	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'
68	SMH-1	12'	80	SMH-17	35'
68	SMH-2	11'	80	SMH-17	35'

NOTE: * - LOCATED IN DEEP WATER LANE.
+ - LOCATED AT ENTRANCE TO RIVER GLADE RUN.

For Profiles See Sheets 4 & 5

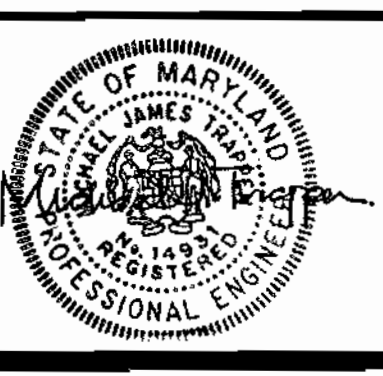
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Beiser 1-25-02
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Michael J. D... 2/1/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
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: 301-989-2524 FAX: 301-421-4186



DES: WBJ	KCI	ASBUILT DATA REVISED	06/02/02
DRN: KIP	KCI	ASBUILT DATA ADDED TO PLAN	05/09/02
CHK: fmm	KCI	Add FH, 4" SMC @ MHC, 3" WHC @ R/S	2-12-02
DATE: Nov 2001	KCI	ASBUILT DATA ADDED TO PLAN	11/09/02
BY: NO		REVISION	DATE

WATER & SEWER PLAN
SCALE: 1" = 50'

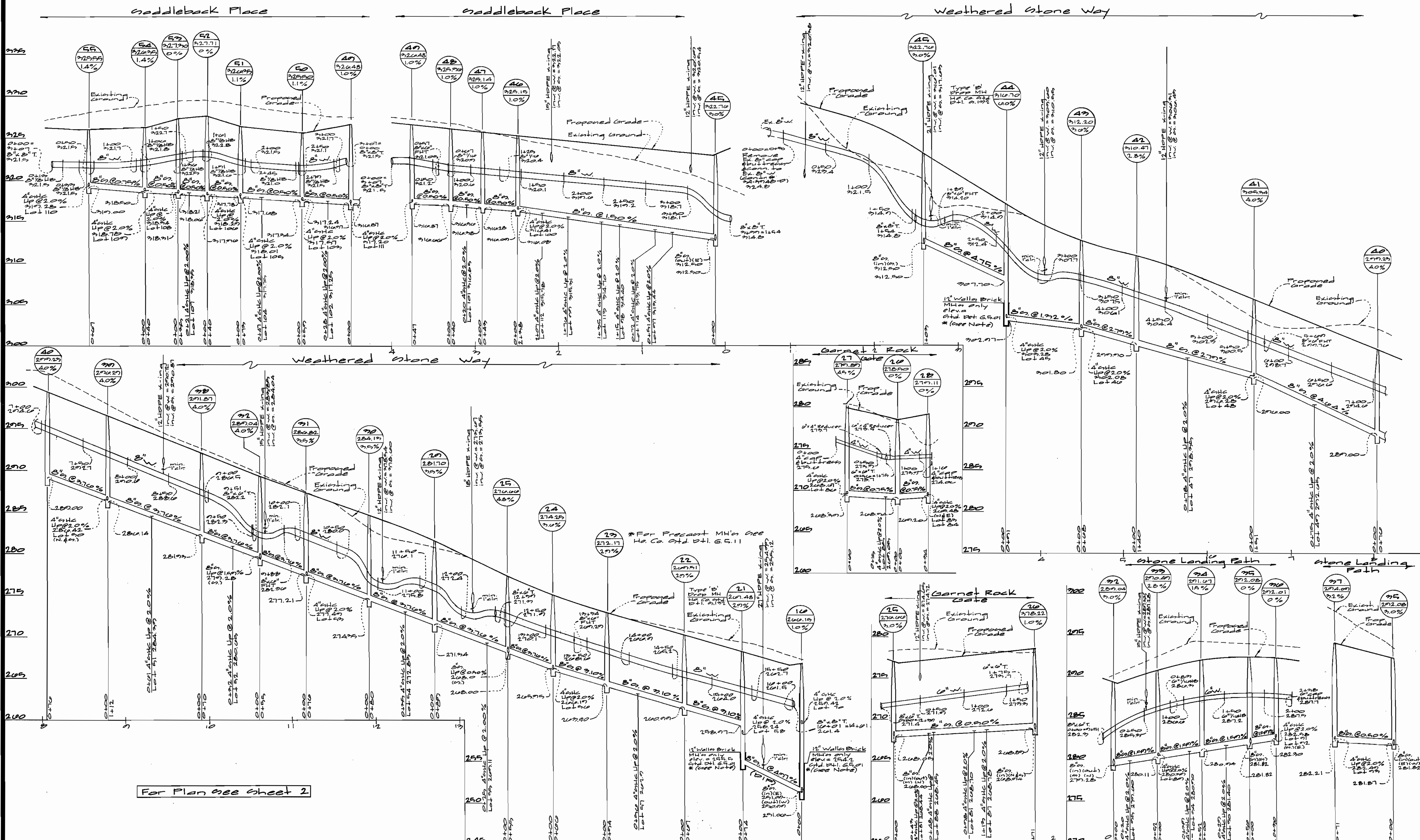
600' SCALE MAP NO. 47 BLOCK NO. 210

STONE LAKE
PLAT NO.
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
CONTRACT No. 34-3948-D

SCALE AS SHOWN

SHEET 2 OF 5

GLW FILE NO. 99-140

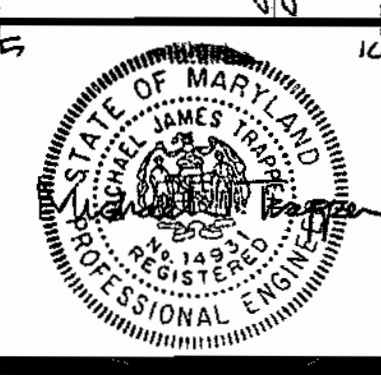


For Plan see sheet 2

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
R. J. ...
1-25-02

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
...
2/1/02

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
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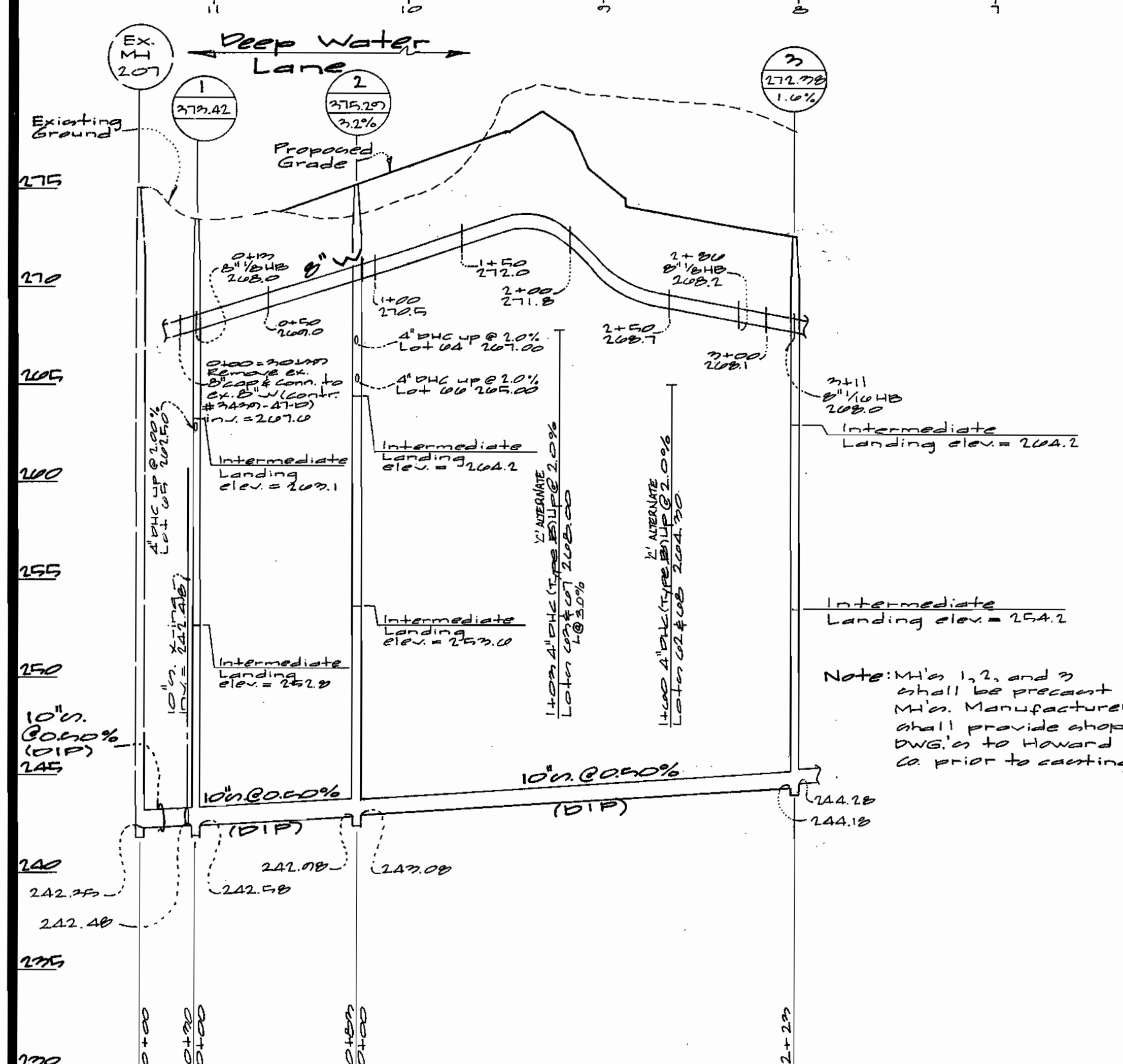
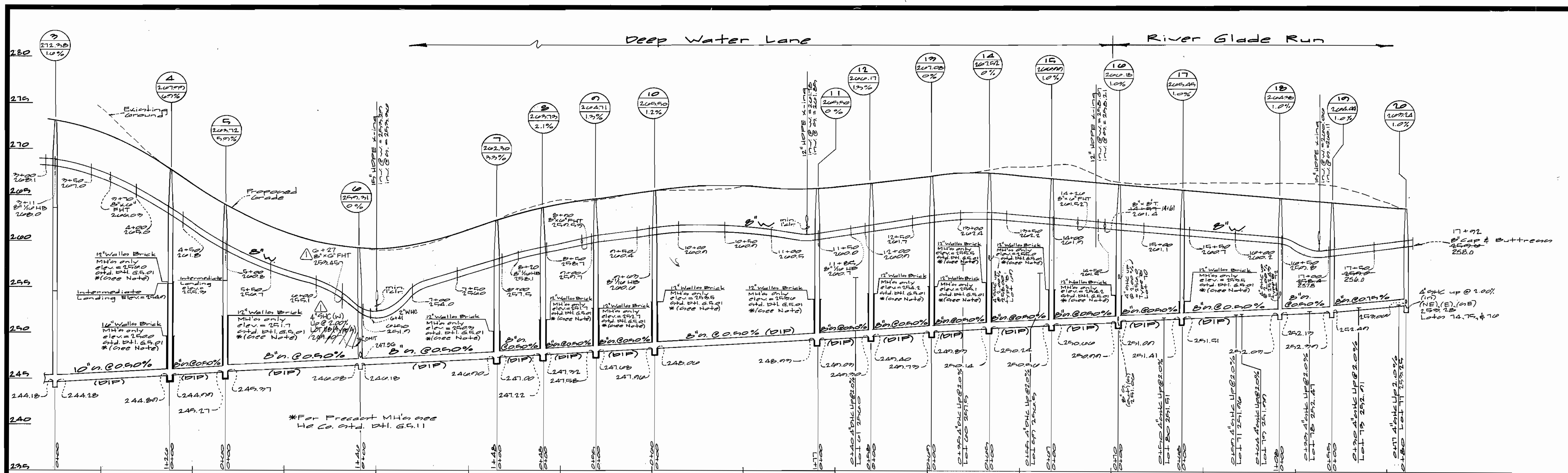


DES: WAJ	BY	NO	REVISION	DATE
DRN: WAJ				
CHK:				
DATE: 2001				

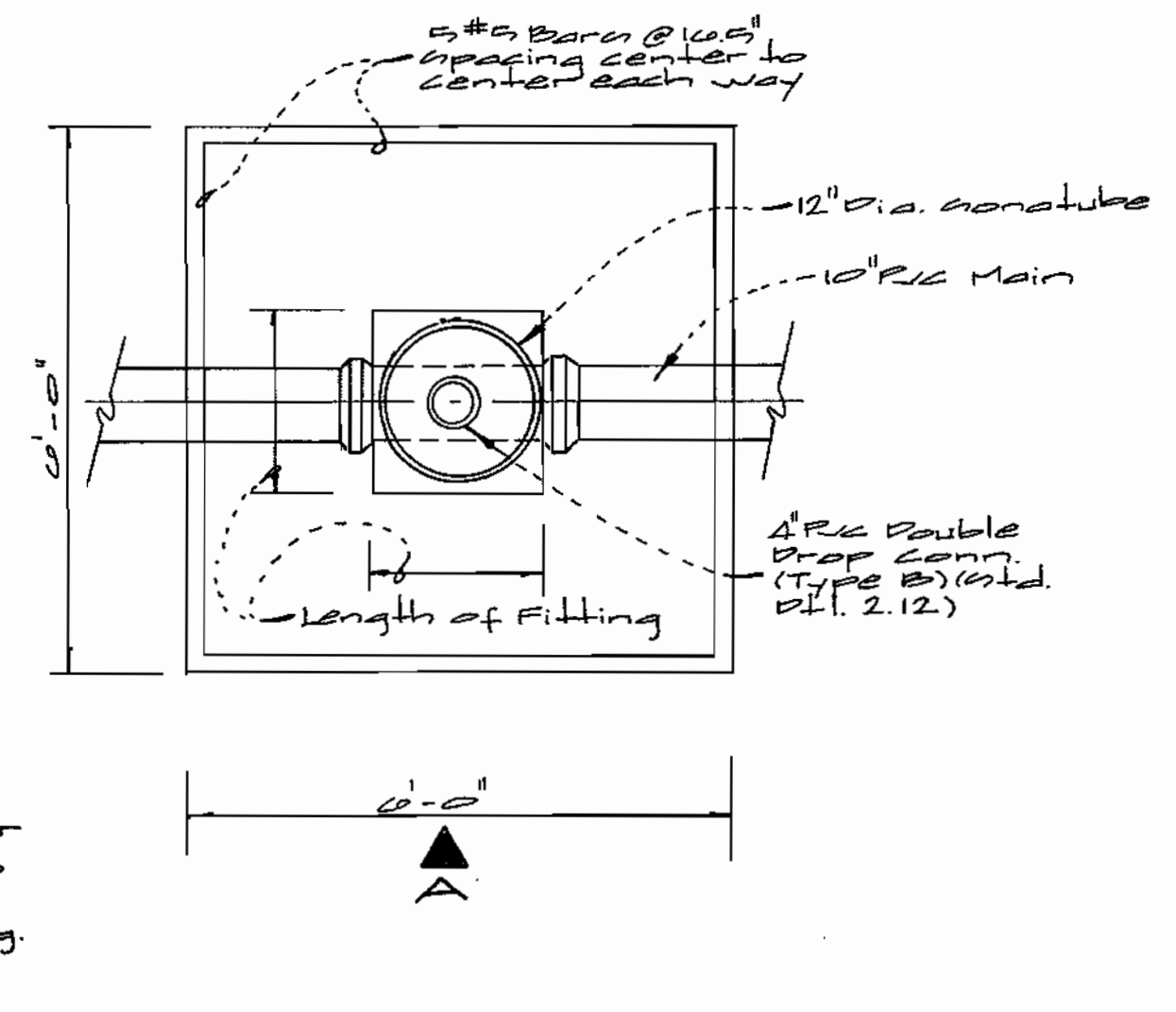
WATER & SEWER PROFILES
SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'
600' SCALE MAP NO. 47 BLOCK NO. 010

STONE LAKE
PLAT No.
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
CONTRACT No. 34-3948-D

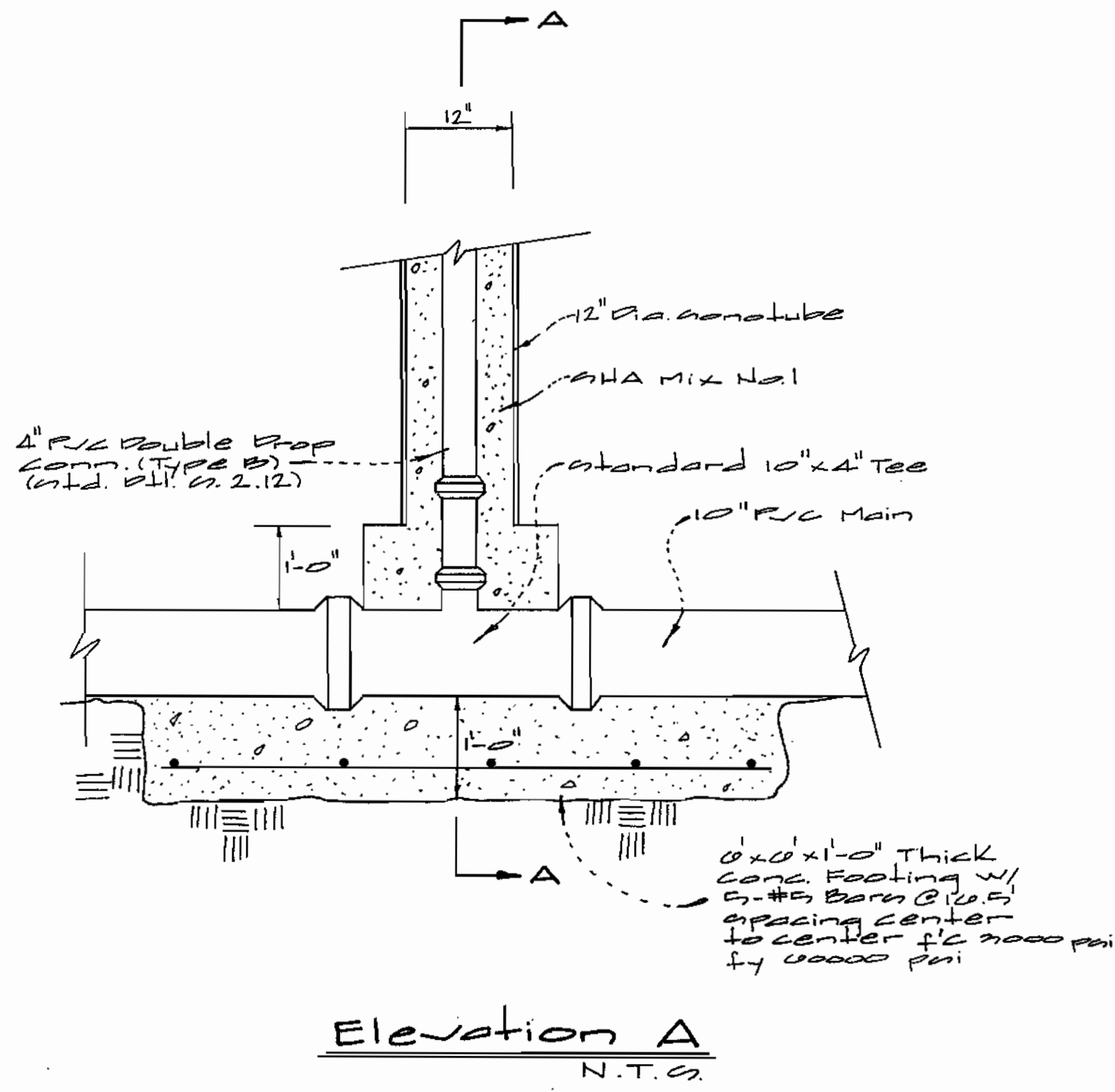
SCALE AS SHOWN
SHEET 4 OF 5



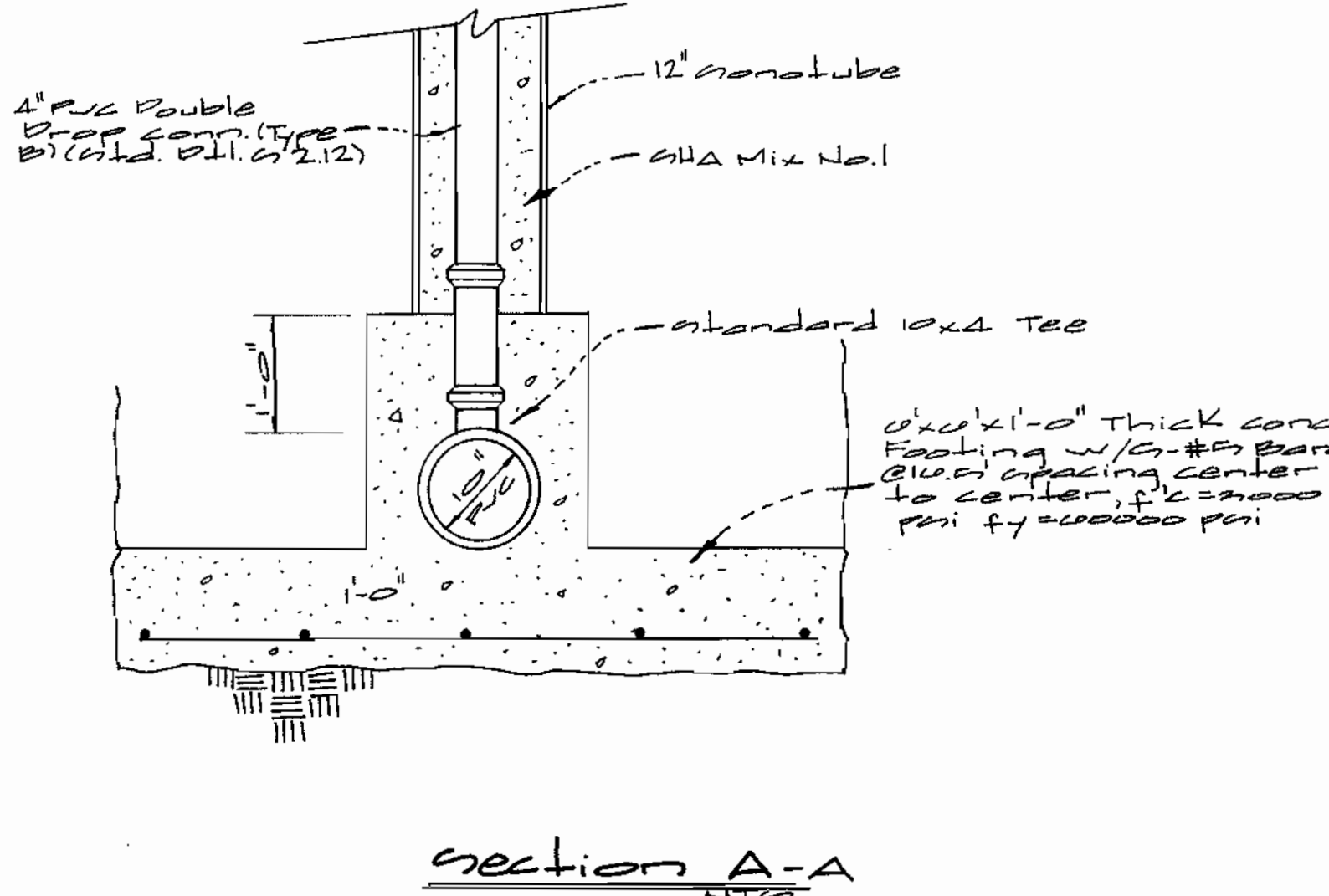
For Plan see sheet 2



Foundation Plan
Scale: 1/2" = 1'-0"



Elevation A
N.T.S.

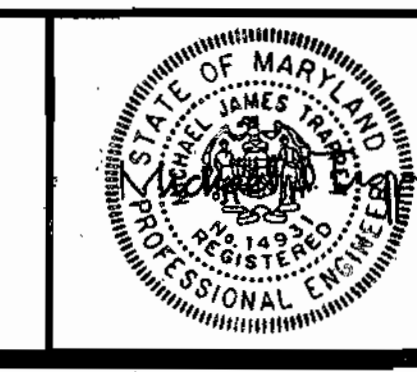


Section A-A
N.T.S.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
1-25-02
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
2/1/02
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BERTONSVILLE OFFICE PARK
BERTONSVILLE, MARYLAND 20866
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DES:	WAJ				
DRN:	WAJ				
CHK:	KCI	Z	ADDUCT DATA REVISED	06/02/03	
DATE:	1-25-02	BY:	NO	REVISION	DATE

WATER & SEWER PROFILES
SCALE:
VERTICAL: 1" = 5'
HORIZONTAL: 1" = 50'
600' SCALE MAP NO. 47 BLOCK NO. 0112

STONE LAKE
PLAT No.
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
CONTRACT No. 34-3948-D

SCALE AS SHOWN
SHEET 5 OF 5