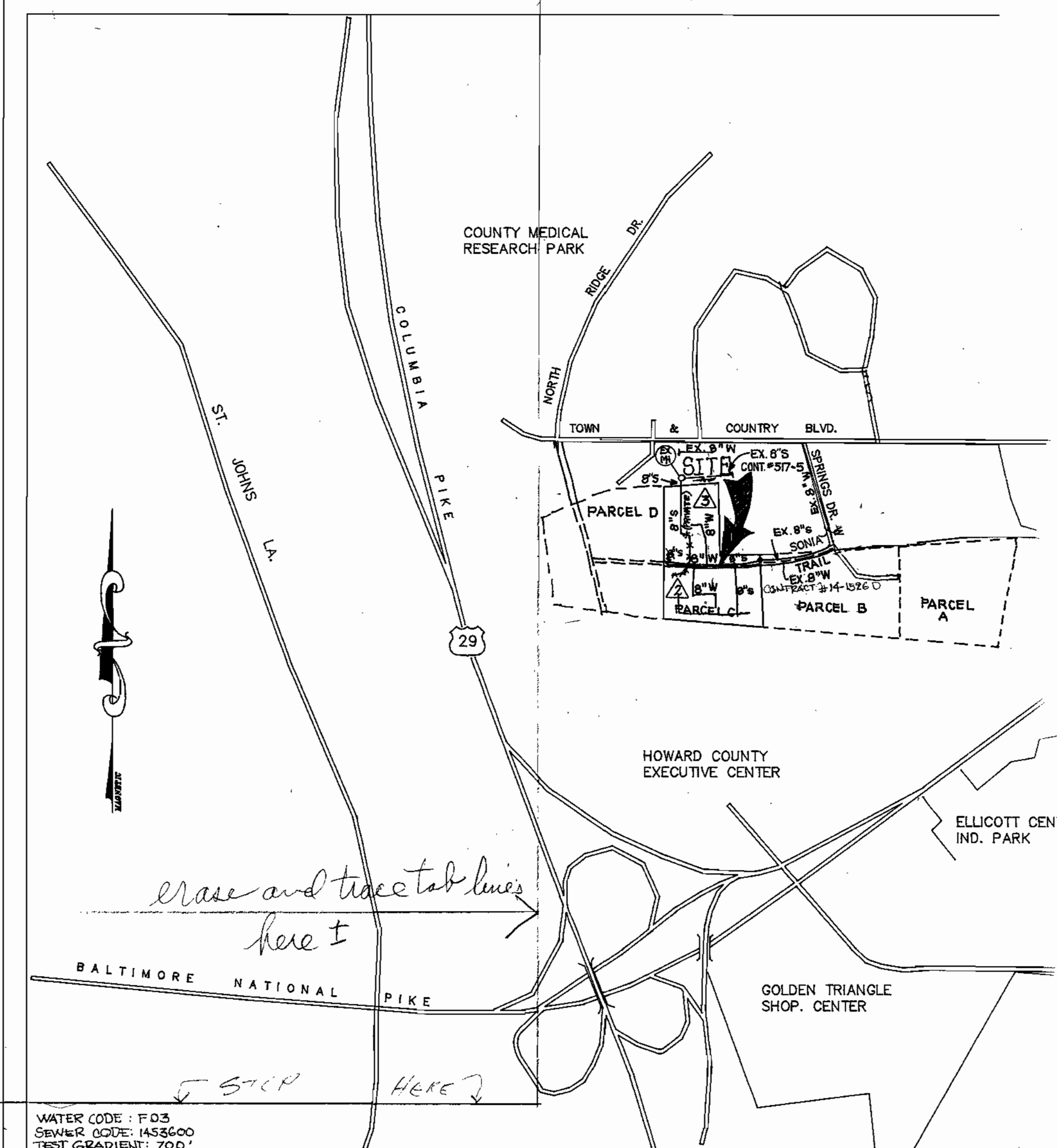
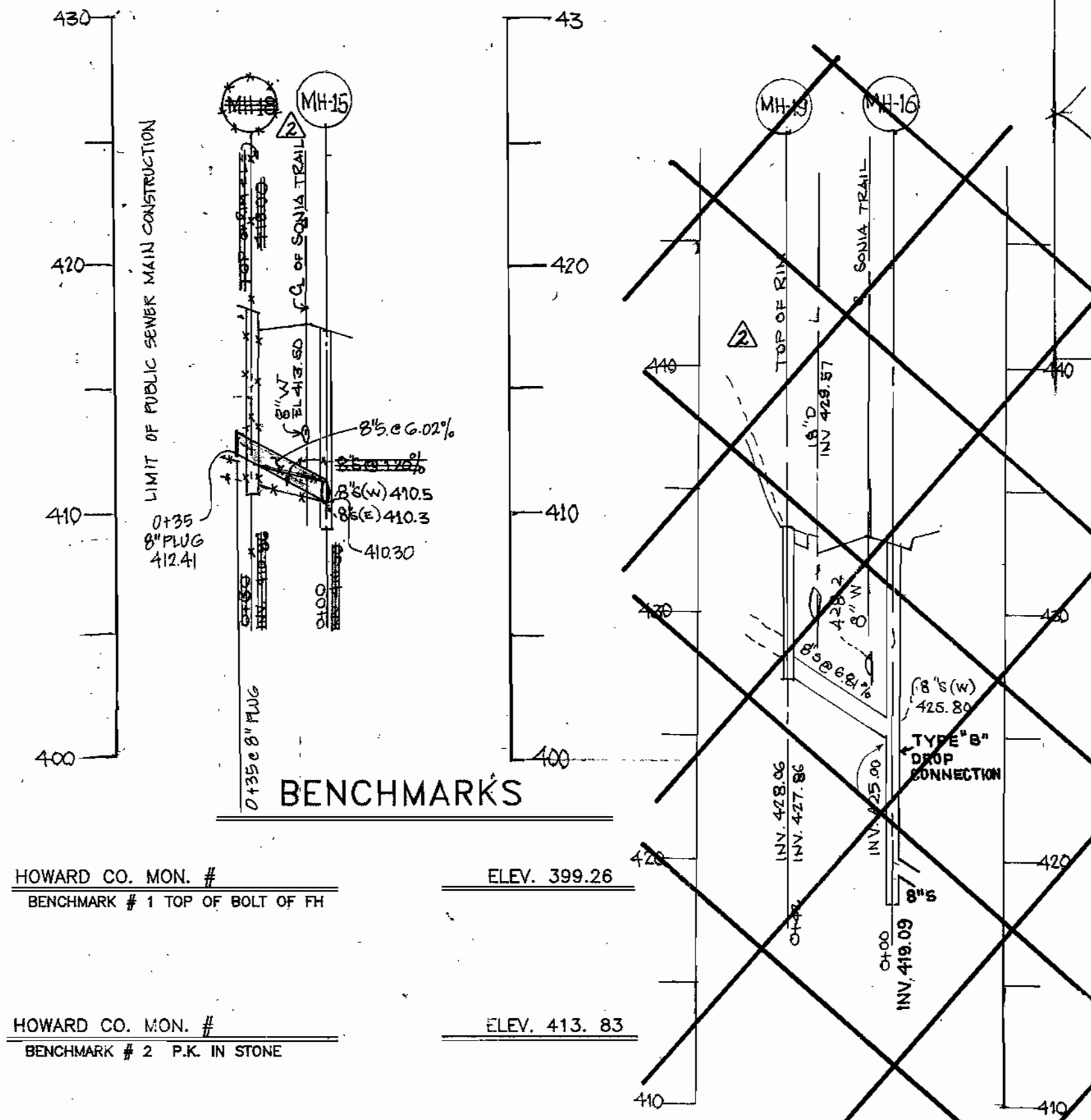


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" SEWER	236			
8" WATER	122 LF	122 LF	DIP	ATLANTIC STATES
FIRE HYDRANT	3 EACH	3 EA		MUELLER
8"x8" TEE	2 EACH	2 EA	M.T.	UNION FOUNDRY
8" VALVE	4 EACH	4 EA	R.S.	"
8"x6" TEE	4 EACH	4 EA	M.T.	"
6" VALVE	4 EACH	4 EA	R.S.	"
4" METER VAULTS	2 EACH	2 EA	PRECAST	DAVIS CONCRETE
2" METER VAULTS	1 EACH	1 EA	PRECAST	"
MANHOLES	2 EACH	2 EA		
6" WATER MAIN	45 LF	75 LF	DIP	ATLANTIC STATES
2" WATER	10 LF	12 LF	COPPER	CAMBRIDGE LEE
4" WATER	20 LF	21 LF	DIP	ATLANTIC STATES
TYPE B DROP CONN.	3 EACH			
1 1/2" DRAIN	1 EACH	1 EA		MERIT BRASS

NAME OF UTILITY CONTRACTOR:
SURVEY AND DRAFTING DIVISION AS BUILT DATE:

MANHOLE SCHEDULE		
MH No.	RIM ELEVATION	LOCATION
MH-14	403.30	STA. 4+20.75 SONIA TRAIL, 6' RIGHT
MH-15	417.48	STA. 6+22.11 SONIA TRAIL, 6' RIGHT
MH-16	432.89	STA. 8+28.11 SONIA TRAIL, 12' RIGHT
MH-17	442.92	STA. 10+30 SONIA TRAIL, 12' RIGHT



WATER CODE: F03
SEWER CODE: IAS600
TEST GRADIENT: 700'

TYPE OF BUILDING SINGLE FAMILY RESIDENTIAL

NUMBER OF LOTS 18
NO. OF WATER HOUSE CONNECTIONS 2
NO. OF SEWER HOUSE CONNECTIONS 2
DRAINAGE AREA 1.00 AC
TREATMENT PLANT 1.00 AC

LOCATION MAP
SCALE: 1" = 600'

SEWER AS-BUILT DATA			
FROM	TO	DIST	
MH 7A	LOT 1	1.5	
"	"	2.5	
"	"	3.5	
"	"	4.5	
"	"	5.5	
"	"	6.5	
"	"	7.5	
"	"	8.5	
"	"	9.5	
"	"	10.5	
"	"	11.5	
"	"	12.5	
"	"	13.5	
"	"	14.5	
"	"	15.5	
"	"	16.5	
"	"	17.5	
"	"	18.5	
"	"	19.5	
"	"	20.5	
"	"	21.5	
"	"	22.5	
"	"	23.5	
"	"	24.5	
"	"	25.5	
"	"	26.5	
"	"	27.5	
"	"	28.5	
"	"	29.5	
"	"	30.5	
"	"	31.5	
"	"	32.5	
"	"	33.5	
"	"	34.5	
"	"	35.5	
"	"	36.5	
"	"	37.5	
"	"	38.5	
"	"	39.5	
"	"	40.5	
"	"	41.5	
"	"	42.5	
"	"	43.5	
"	"	44.5	
"	"	45.5	
"	"	46.5	
"	"	47.5	
"	"	48.5	
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"	"	78.5	
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"	"	82.5	
"	"	83.5	
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"	"	90.5	
"	"	91.5	
"	"	92.5	
"	"	93.5	
"	"	94.5	
"	"	95.5	
"	"	96.5	
"	"	97.5	
"	"	98.5	
"	"	99.5	
"	"	100.5	

WATER AS-BUILT DATA			
FROM	TO	DIST	
MH 20	LOT 1	1.5	
"	"	2.5	
"	"	3.5	
"	"	4.5	
"	"	5.5	
"	"	6.5	
"	"	7.5	
"	"	8.5	
"	"	9.5	
"	"	10.5	
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"	"	95.5	
"	"	96.5	
"	"	97.5	
"	"	98.5	
"	"	99.5	
"	"	100.5	

- GENERAL NOTES:
- 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.
 - 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 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 Manuals, Vol. 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 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 the construction operations at his own expense.
 - Contractors shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531-5533
BG&E Co. Contractor Services	850-4620
BG&E Co. 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.
 - Contractors 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.
 - 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 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 buttry line elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with 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 existing water system.
 - All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
 - All sewer mains shall be D.I.P. RCP, VCPX, CSPX, RCCP and P.V.C. unless otherwise noted.
 - The contractor shall provide a joint/all sewer mains with in 2'-0" of exterior manhole wall.
 - 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 Details G5.52. Where watertight manhole frame and cover is used, set top of frame 1" - 6" above finished grade unless otherwise noted on the drawings.
 - House(s) with the symbol "C.N.S" indicates that cellar cannot be served.

WIS 3272-D / 1

WILDER SUBDIVISION PARCEL C

CONTRACT No. 14-3272-D

WATER AND SEWER MAIN EXTENSIONS

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN F-15-112, SDP No. 92-96

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

J. H. Wainwright 9/28/93
S.O. SOIL CONSERVATION SERVICE DATE

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

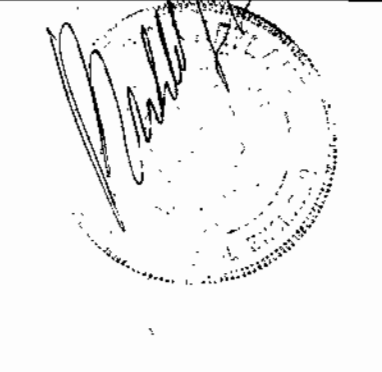
APPROVED: John K. Robertson 9/28/93
CHIEF, LAND DEVELOPMENT DIVISION DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] 7-23-93
Chief, Bureau of Utilities DATE

Chief, Bureau of Engineering: [Signature] 9/30/93
Chief, Land Development Division DATE

loria Engineering Inc.
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.
410-465-0400



DES	BY	NO.	REVISION	DATE
DES	WDJR	1	REVISED SEWER MAIN LAYOUT - PARCEL C-1	03-29-93
DRN	gnc	1	REVISED SEWER MAIN LAYOUT - PARCEL C-2	4/28/93
DRN	gnc	2	DELETE BLOW-OFF ASSEMBLY; INDICATE INSTALLATION OF 1 1/2" DRAIN	4/28/93
CHK	MLL			
DATE	8.03.93	KCI	WATER AND SEWER AS-BUILT DATA	01/14/94
BY		NO.	REVISION	

PLAN & PROFILE OF
WATER & SEWER MAINS

CONTRACT NO. 14-3272-D

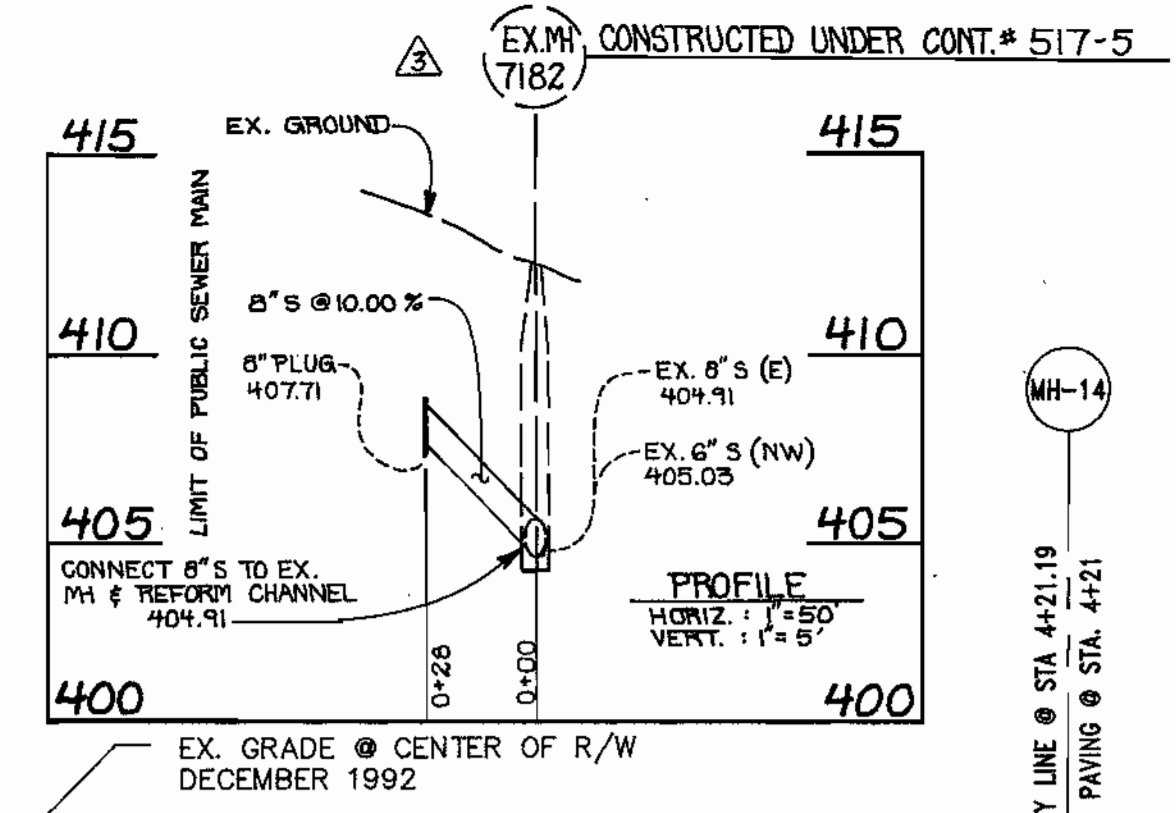
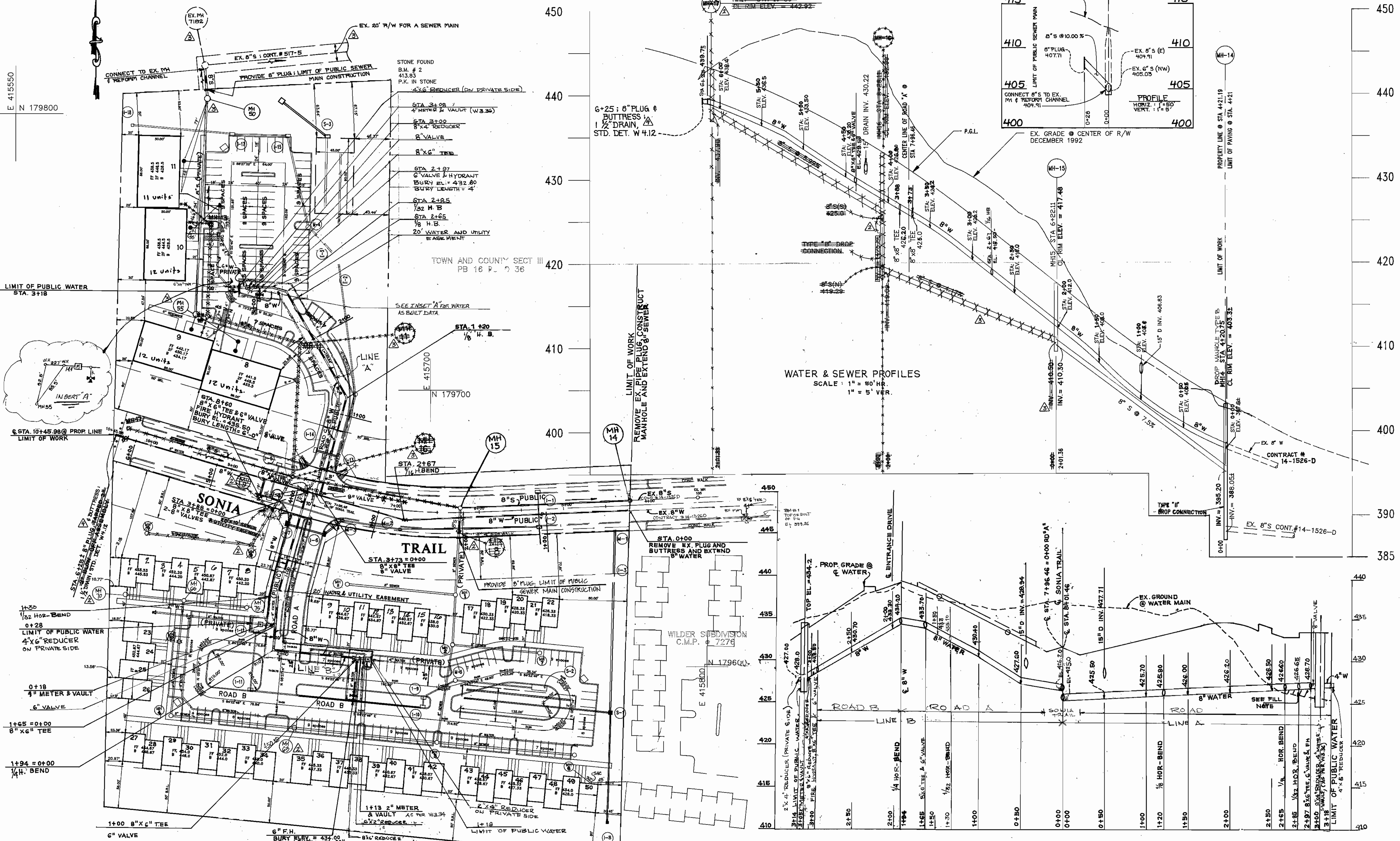
600' SCALE MAP NO. 17 BLOCK

COVER SHEET
WILDER SUBDIVISION PARCEL C-1&C-2
A RESUBDIVISION OF PARCEL C
TAX MAP 17 PARCEL 711
2nd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 2

W/S 3272-D/2

PROPERTY OF THE TC - WEST / GREENSVIEW COMPANY



LIMIT OF PUBLIC WATER STA. 3+18

STA. 10+45.98 @ PROP. LINE LIMIT OF WORK

LIMIT OF WORK REMOVE EX. PIPE PLUG, CONSTRUCT MANHOLE AND EXTEND 8\"/>

WATER & SEWER PROFILES SCALE: 1" = 50' HORIZ. 1" = 5' VERT.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

Coria Engineering Inc.
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS
3230 BETHANY LANE, SUITE 4, ELICOTT CITY, MD. 410-465-0400



DESIGNER	DATE	REVISION	DATE
DES: MLL	03-28-94	1. RED LINED REVISIONS	03-28-94
DRN: AVG	4/28/98	2. REVISE SEWER MAIN LAYOUT; PARCEL C-1	4/28/98
CHK: MLL	4/28/98	3. REVISE SEWER MAIN LAYOUT; PARCEL C-2	4/28/98
	4/28/98	4. DELETE BLIND-OFF ASSEMBLY; INDICATE INSTALLATION OF 1 1/2\"/>	4/28/98
DATE: 6-24-93	01/14/04	5. WATER/SEWER AS BUILT DATA	01/14/04
BY NO.		REVISION	DATE

PLAN & PROFILE OF WATER & SEWER MAINS
CONTRACT NO. 14-3272-D
600' SCALE MAP NO. 17 BLOCK

WILDER SUBDIVISION PARCEL C-1 & C-2
A RESUBDIVISION OF PARCEL C
TAX MAP 17 PARCEL 711
2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 2

Director of Public Works: Robert M. Berman, 7-23-93
Chief, Bureau of Utilities: [Signature], 10/1/93
Chief, Bureau of Engineering: [Signature], 2/30/03
Chief, Land Development Division: [Signature], 9/2/93