

3406 WS/1 GATEWAY COMMERCE CENTER PARCELS A-51-A-59  
 AS-BUILT 3-13-96

TYPE OF BUILDING	N/A (Future Res.)
NUMBER OF UNITS	N/A (Bulk Parcels)
NUMBER OF SHC's	7
NUMBER OF WHC's	5
DRAINAGE AREA	Little Patuxent

Waste Water Treatment Plant - Little Patuxent Water Reclamation Plant.

**GENERAL NOTES**

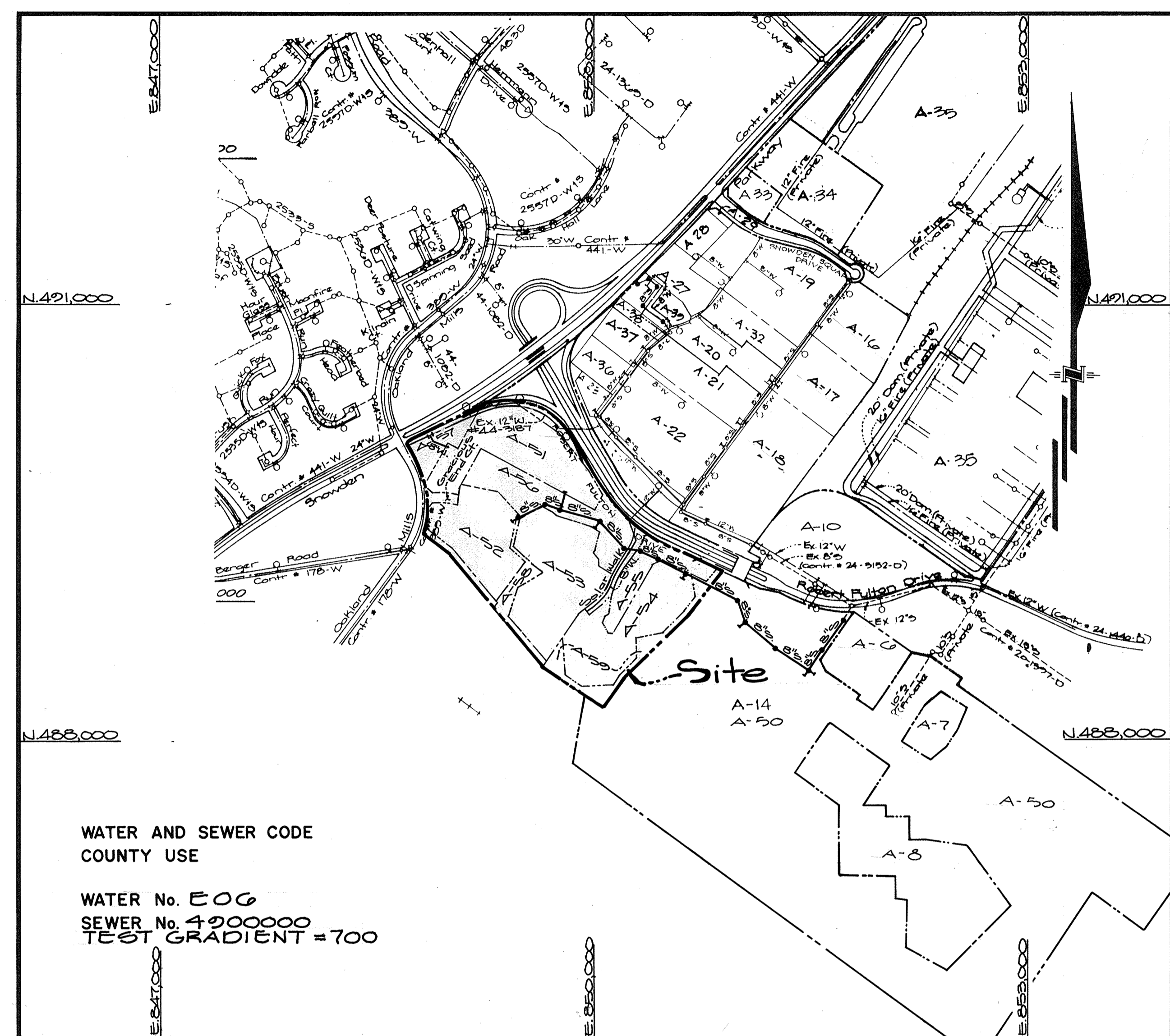
- PART I -**
- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
  - All horizontal controls are based on Maryland State Coordinates.
  - 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 a 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 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 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 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 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 Dept. of Public Works, Bur. 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.

**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 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 the existing water system.
- All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.

**PART III - SEWER**

- All sewer mains shall be D.I.P. and P.V.C. unless otherwise noted.
- The contractor shall provide a joint in all sewer mains within 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 Detail 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 the cellar cannot be served.



WATER AND SEWER CODE  
 COUNTY USE  
 WATER No. EOG  
 SEWER No. 4900000  
 TEST GRADIENT = 700

VICINITY MAP  
 SCALE: 1" = 600'

**CONTRACT NO. 24-3406-D**  
**GATEWAY COMMERCE CENTER**  
**PARCELS A-51 TO A-59**  
**HOWARD COUNTY, MARYLAND**  
**DEPARTMENT OF PUBLIC WORKS**

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications B with the site development Plan SDP 95-88, Drawings 1 thru 9 of 9 including Sediment & Erosion Control Plans and as shown on these plans. (F-95-138)

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
*Patricia Englund* 7/24/95  
 SIGNATURE DATE  
 U.S. SOIL CONSERVATION SERVICE

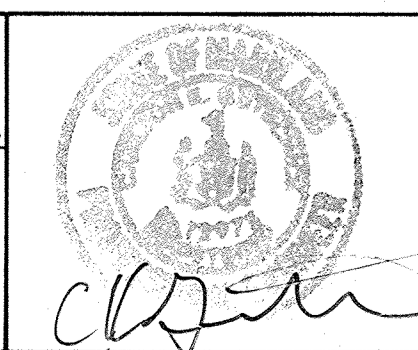
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:  
*Howard S.C.D.* 7/24/95  
 SIGNATURE DATE  
 HOWARD S.C.D.

Department of Public Works  
 Howard County, Maryland

Department of Planning & Zoning  
 Howard County, Maryland

**GOW GUTSCHICK LITTLE & WEBER, P.A.**  
 ENGINEERS, PLANNERS, SURVEYORS



DES:			
DRN:	WSJ		
CHK:	erb	2	Rev. quantities
DATE:	April 10/24/95	1	Rev. quantities
BY:	NO.		
REVISION:			

Water & Sewer Construction Plans

Scale: 1" = 600'

DATE: 600' SCALE MAP NO. 42 BLOCK NO.

ITEMS	QUANTITIES ESTIMATED	QUANTITIES AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" Water (D.I.P.)	778 LF	778 LF	DIP	GRIFFIN PIPE
12" x 8" Reducer	1 ea.	1 EA		GRIFFIN PIPE
12" / 8" H. Bend	1 ea.	1 EA		GRIFFIN PIPE
8" / 8" H. Bend	1 ea.	1 EA		GRIFFIN PIPE
8" / 6" H. Bend	1 ea.	1 EA		GRIFFIN PIPE
8" x 6" FH Tee	1 ea.	1 EA		GRIFFIN PIPE
6" Valve	1 ea.	1 EA		MUELLER CO.
Fire Hydrant	1 ea.	1 EA		AMERICAN FLOW CONTROL
8" Valve	4 ea.	4 EA		MUELLER CO.
8" cap	5 ea.	5 EA		GRIFFIN PIPE
12" x 8" T.S. Valve	2 ea.	2 EA		MUELLER CO.
6" Water (D.I.P.)	8 LF	8 LF		GRIFFIN PIPE
8" Sewer (P.V.C.)	89 LF	89 LF		J-M MFG.
Manholes	29 ea.	29 EA		ATLANTIC HARRINGTON CORP.
24" steel casing pipe	7 ea.	7 EA		
	20 LF	20 LF		BALTO. PIPE

NAME OF UTILITY CONTRACTOR: FALLSTON UTILITIES

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

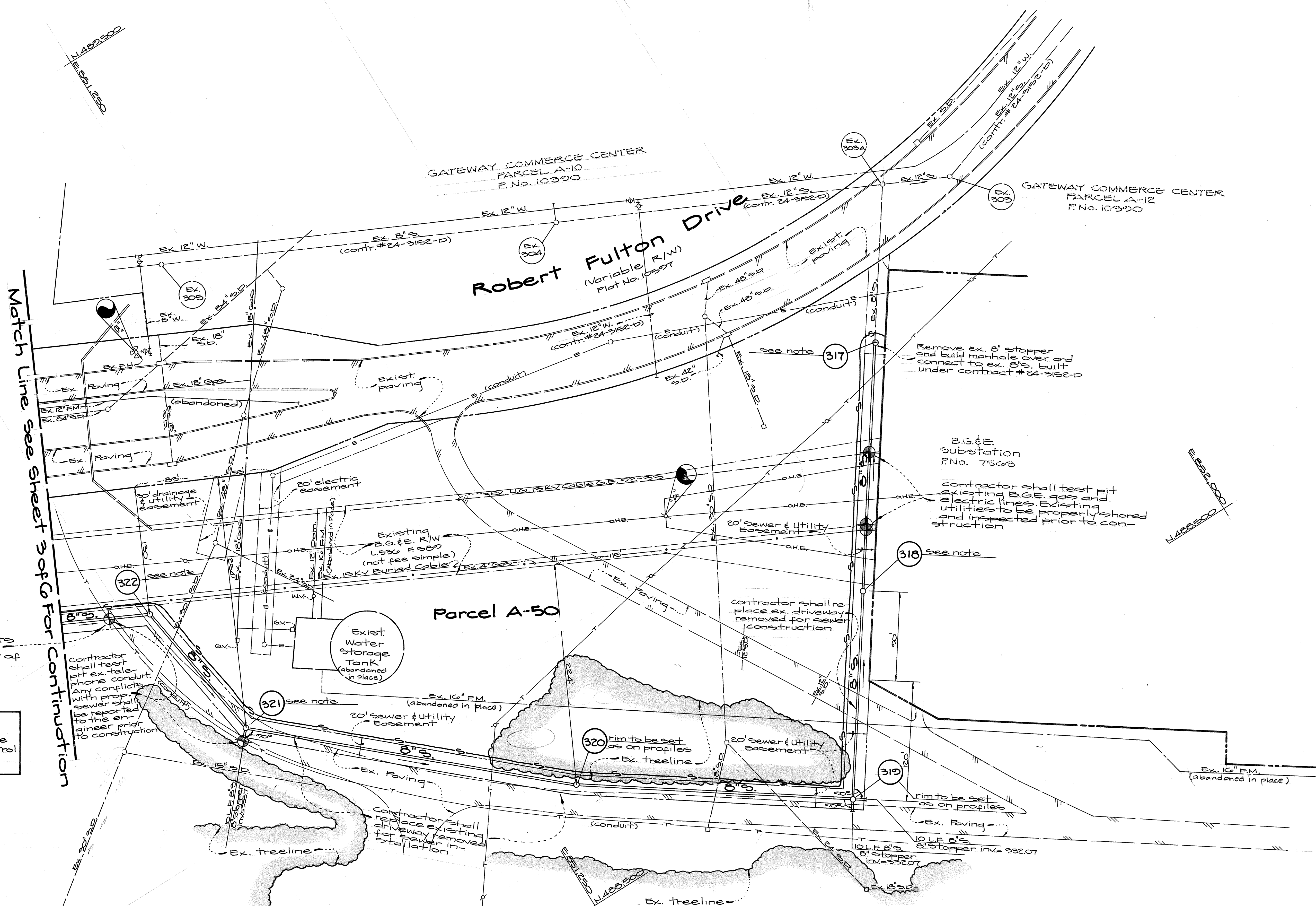
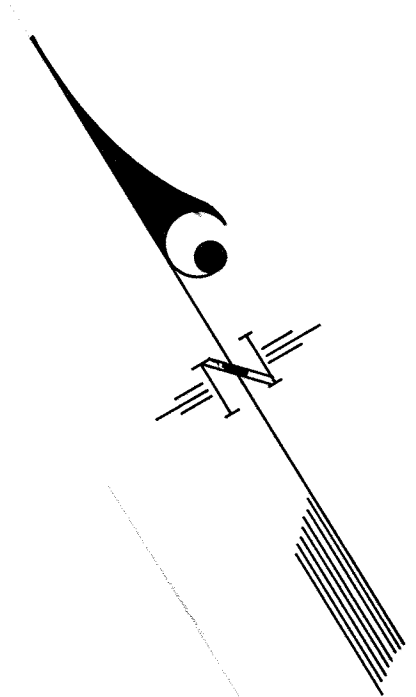
**Gateway Commerce Center**  
 Parcels A-51 thru A-59  
 (A Resubdivision of Parcel A-49)  
 Sixth Election District - Howard County, Maryland  
 Contract No: 24-3406-D

SCALE AS SHOWN

SHEET 1 OF 6



3406 WS/2 G.C.C.; PAR. A-51 → A-59



Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with sediment control measures installed under SDP 95-88

**Legend**  
 --- s --- s --- silt fence

Note: Rims of manhole # 317, 318, 321, & 322 to be set 1'-0" above existing ground. See Howard County standard detail 65.41.

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

**Bench Marks**  
 B.M. "A" x-cut in anchor bolt north side of B.G. & E. Tower Elev. = 334.18  
 B.M. "B" F.H. x-cut bonnet bolt Elev. = 332.01

For profiles see sheets 5 & 6

Note: Contractor is responsible to call Miss Utility and coordinate all work around ex. utilities with B.G. & E. and Bell Atlantic prior to construction.

Department of Public Works  
 Howard County, Maryland

Department of Planning & Zoning  
 Howard County, Maryland

Michael A. Swannin, RMB 7-17-95  
 Chief, Bureau of Utilities Date

John J. Dammann 7/25/95  
 Chief, Development Engineering Date

**GW GUTSCHICK LITTLE & WEBER, P.A.**  
 ENGINEERS, PLANNERS, SURVEYORS

3009 NATIONAL DRIVE - SUITE 250 BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MD. 20866  
 (301) 421-4024



DES:	
DRN:	W.S.J.
CHK:	
DATE:	April 1995
BY:	NO.
REVISION:	
DATE:	

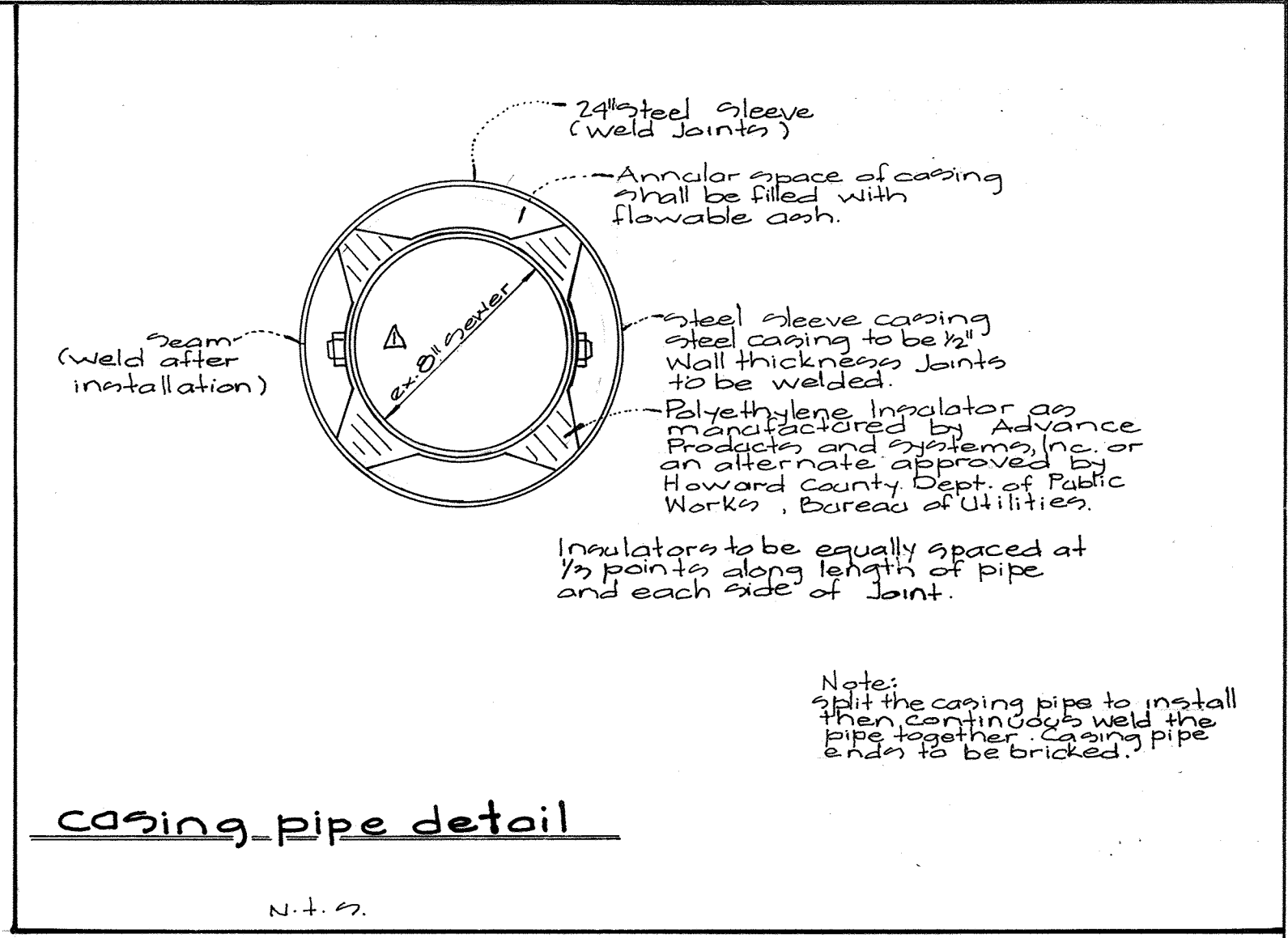
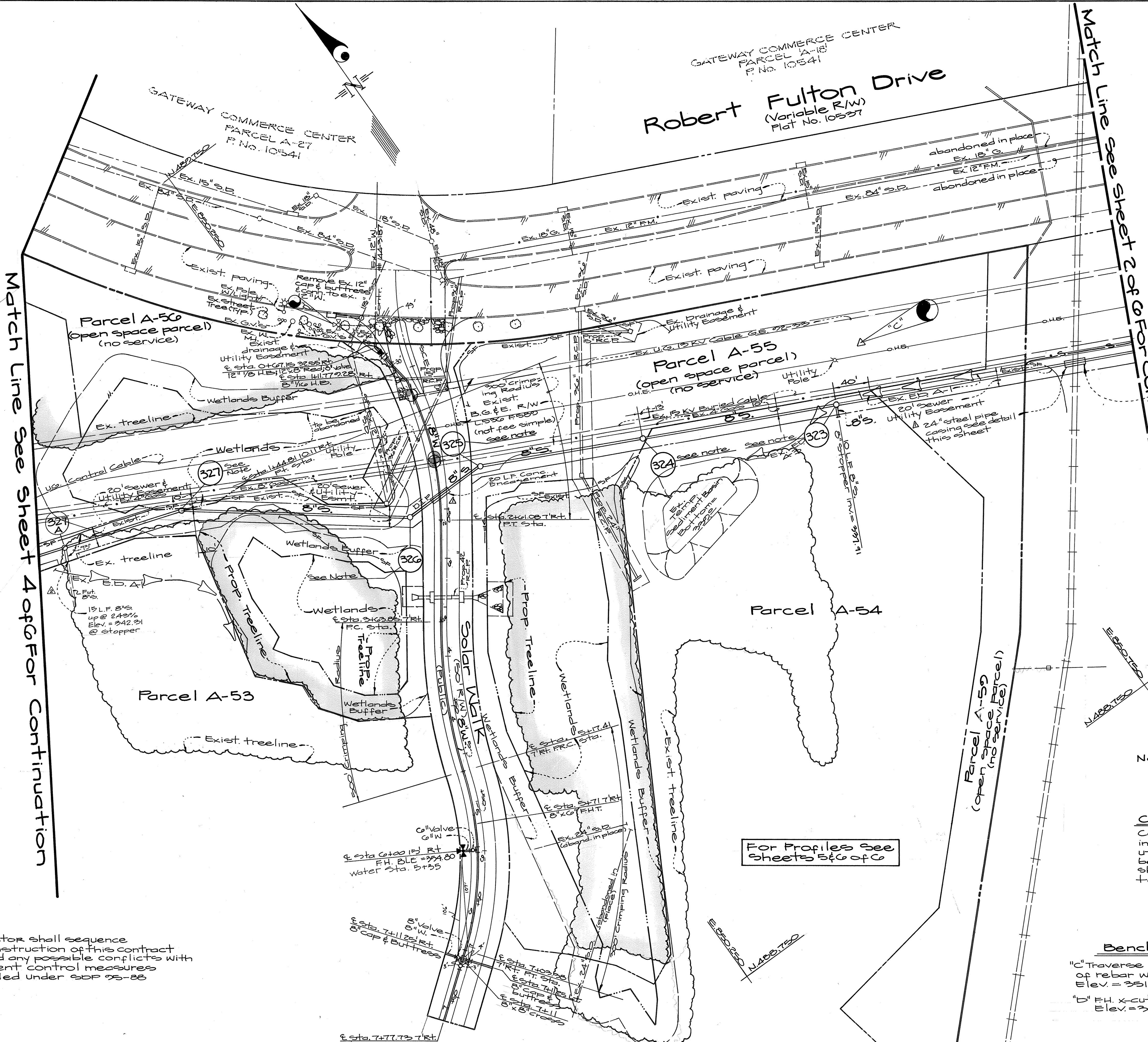
Water & Sewer Construction Plans  
 Scale: 1" = 50'  
 600' SCALE MAP NO. 42 BLOCK NO.

**Gateway Commerce Center**  
 Parcels A-51 thru A-59  
 (A Resubdivision of Parcel A-49)  
 Sixth Election District - Howard County, Maryland  
 Contract No. 24-3406 D

SCALE AS SHOWN  
 SHEET 2 OF 6



3406 WS/3 G.C.C., PAR. A-51 - A-59



Contractor shall bore & jack steel casing pipe and install 8" sewer and maintain uninterrupted rail service (see detail).

Note: Contractor is responsible to call Miss Utility and coordinate all work around ex. utilities with B.G.E. and Bell Atlantic prior to construction.

Note: Rim of manholes to be set as indicated on the profiles

**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.

**Bench Mark**  
"C" Traverse station 211 top of rebar with cap Elev. = 351.94  
"D" F.H. x-cut bonnet bolt Elev. = 343.31

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with sediment control measures installed under SOP 95-88

For Profiles See sheets 5&6 of C

Department of Public Works  
Howard County, Maryland

Department of Planning & Zoning  
Howard County, Maryland

*Michael J. ...* 7-17-95  
Chief, Bureau of Utilities Date

*...* 7/25/95  
Chief, Development Engineering Division

**GW GUTSCHICK LITTLE & WEBER, P.A.**  
ENGINEERS, PLANNERS, SURVEYORS

2909 NATIONAL DRIVE SUITE 250 BURTONTVILLE OFFICE PARK  
BURTONTVILLE, MD. 20866  
(301) 421-4024

DES: W.S.J./					
DRN: W.S.J.					
CHK:	enb	△	Delete 8" main @ 227 & add MH 327A w/stub	11-7-95	
DATE: April 1995	KP	1	Added Encasement @ W/S crossing/misc. corrections	10/2/95	
BY NO.			REVISION	DATE	

Water & Sewer Construction Plans

Scale: 1" = 50'

600' SCALE MAP NO. 42 BLOCK NO.

**Gateway Commerce Center**  
Parcels A-51 thru A-59  
(A Resubdivision of Parcel A-45)  
Sixth Election District - Howard County, Maryland  
Contract No: 24-3406-D

SCALE AS SHOWN

SHEET 3 OF 6

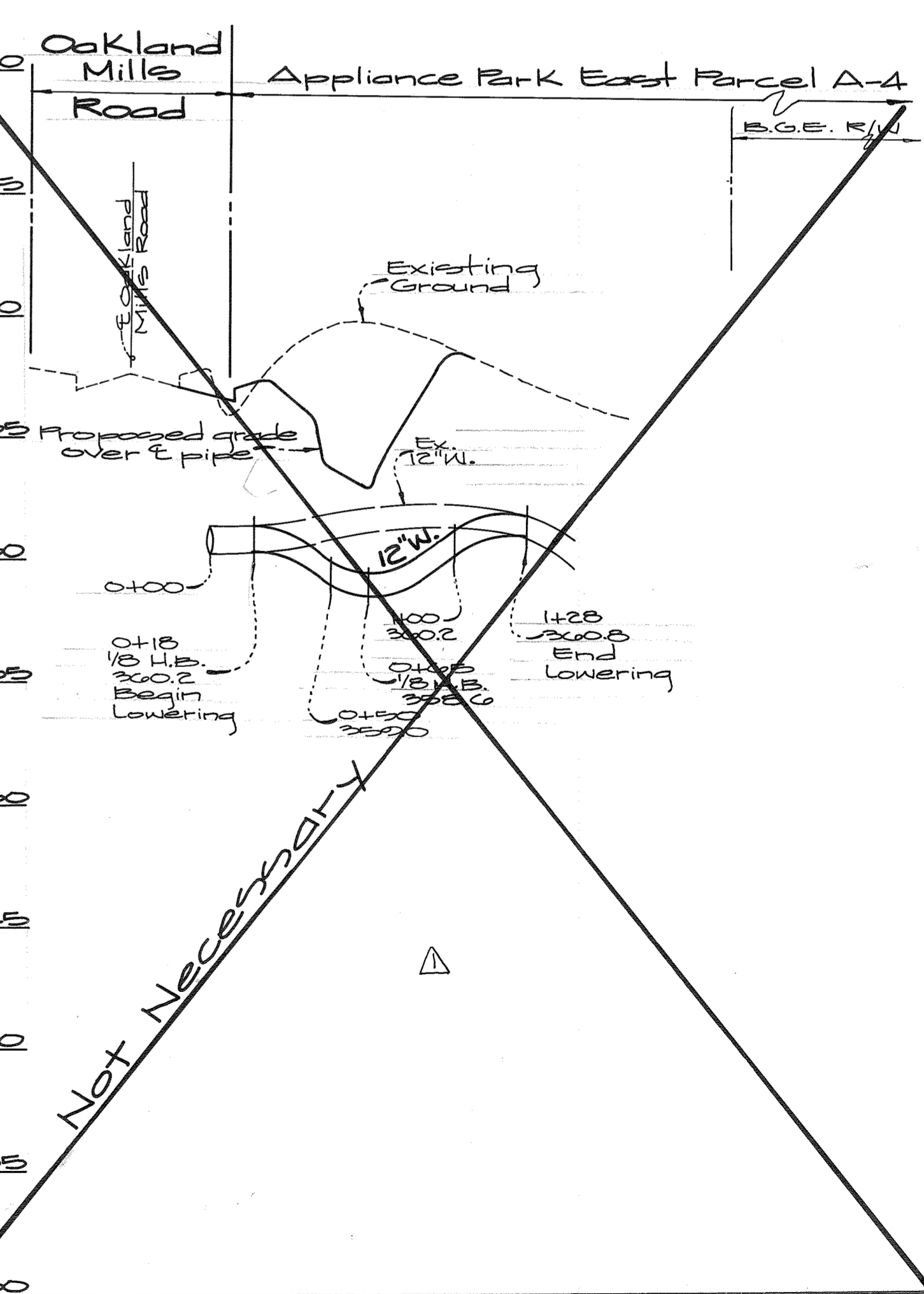
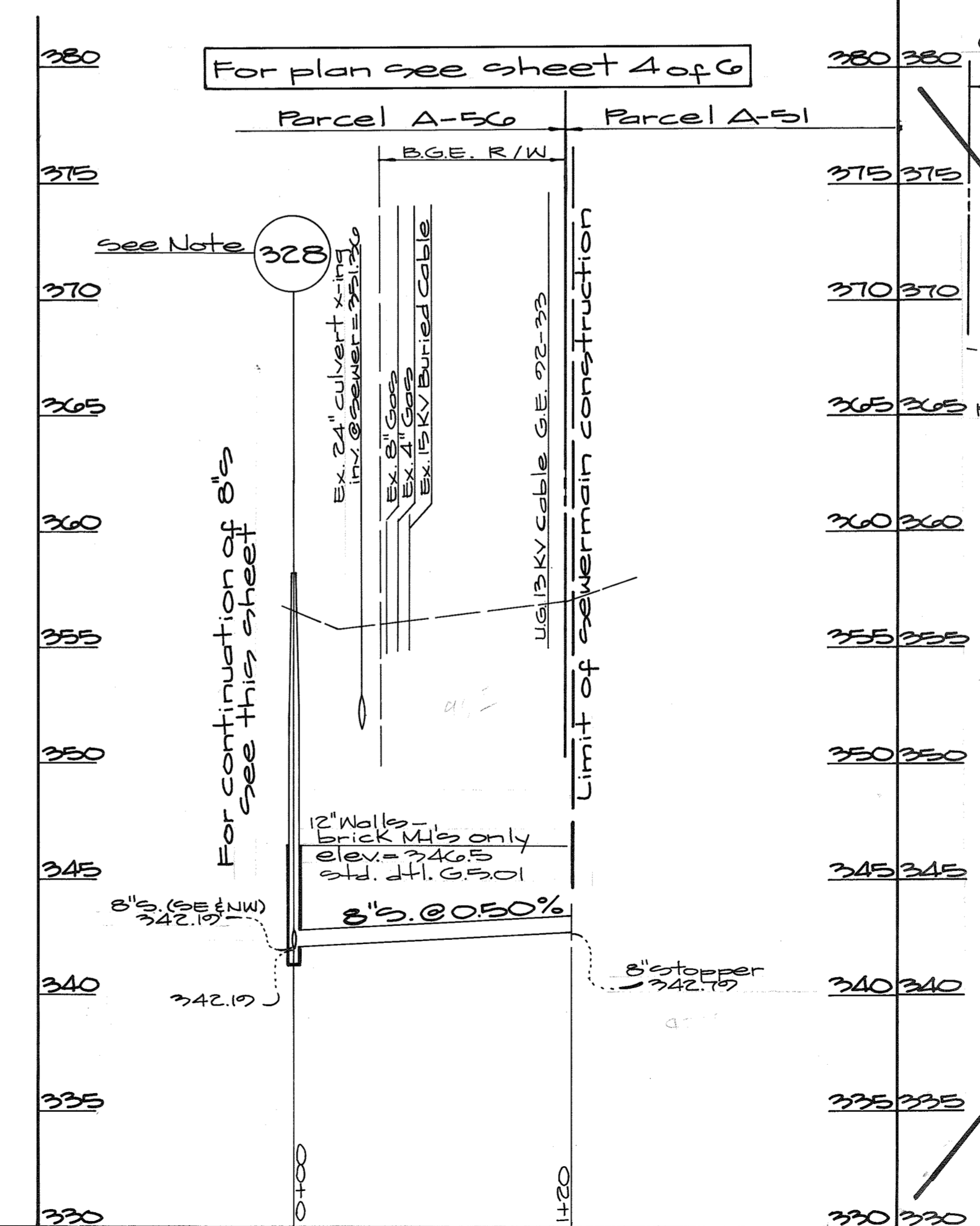
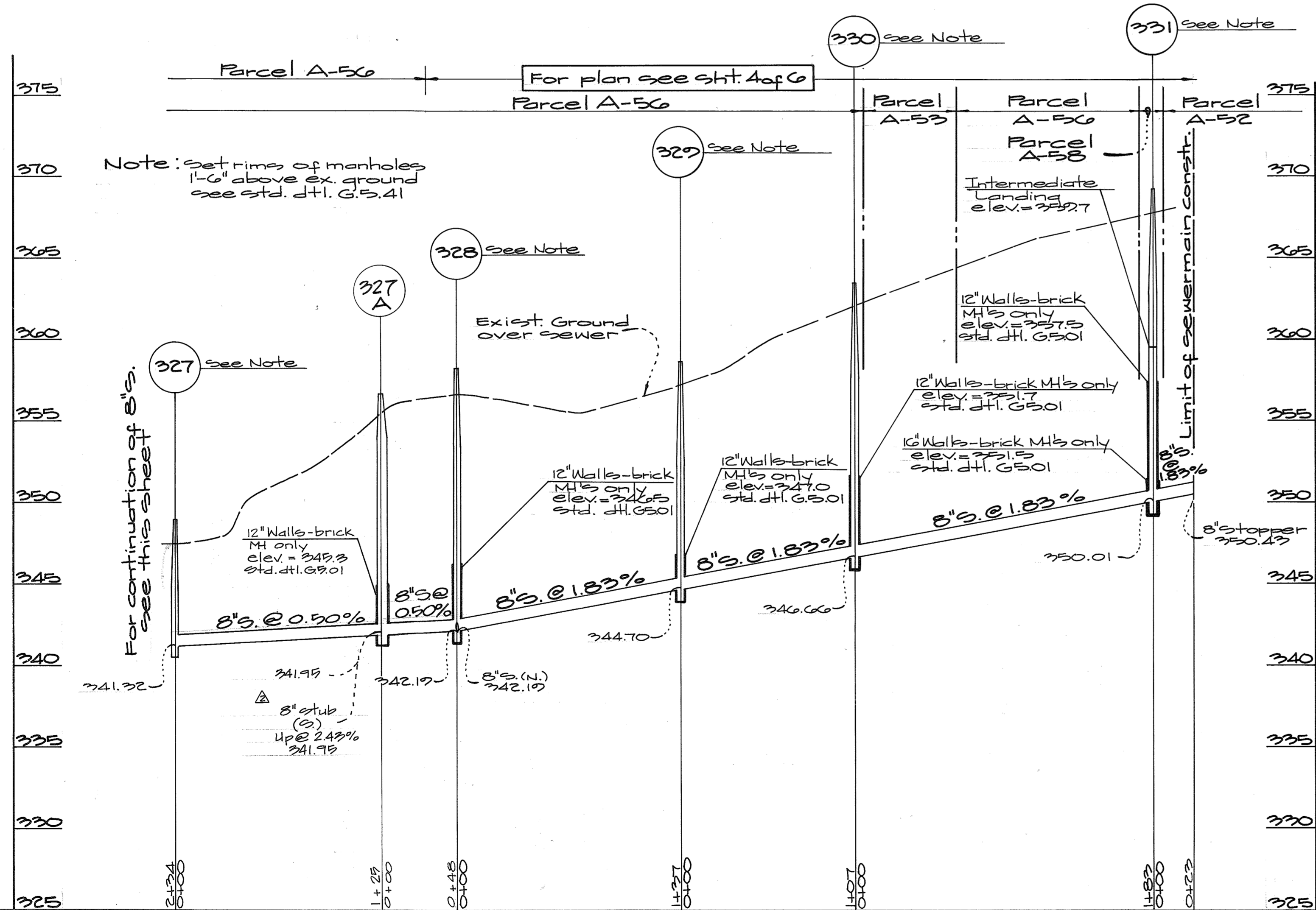
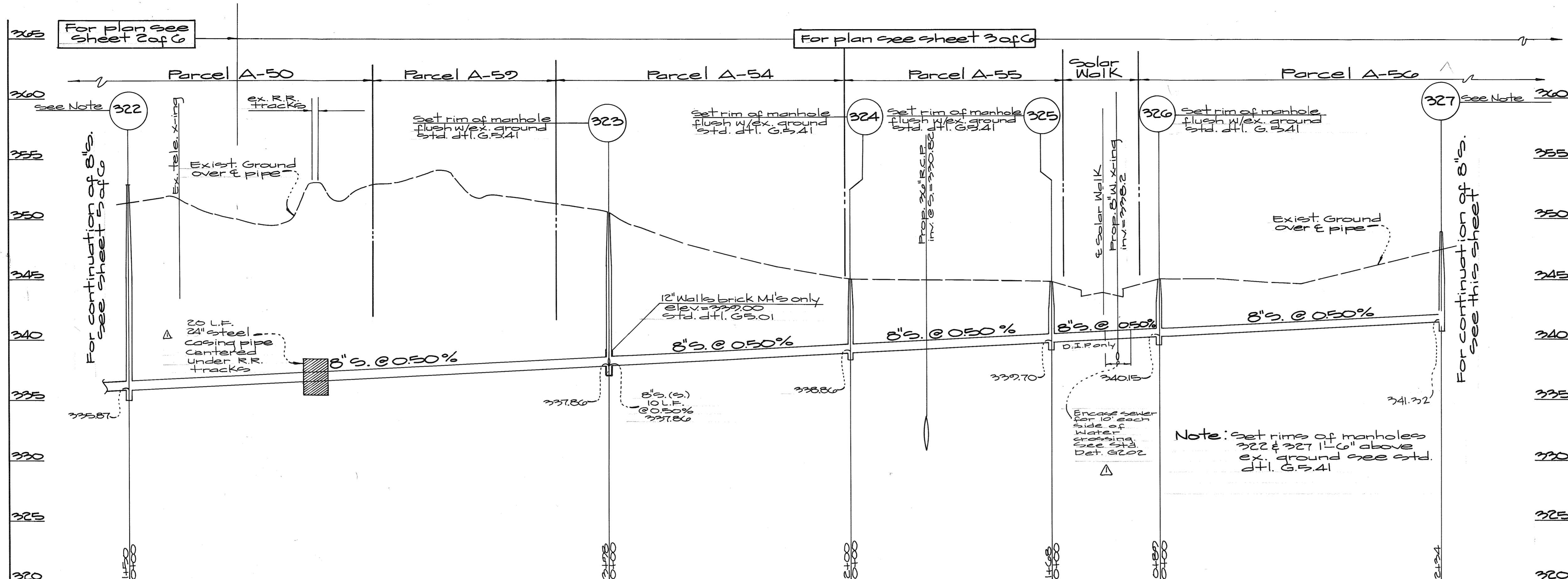








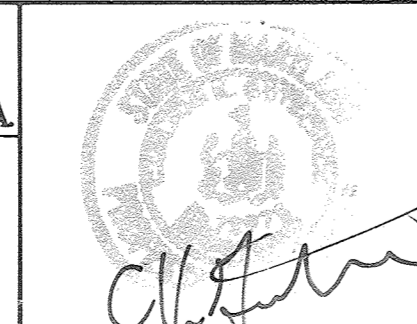
3406 w/s/g G.C.C., PAR. A-51-A-59



Department of Public Works  
Howard County, Maryland

Department of Planning & Zoning  
Howard County, Maryland

**GW GUTSCHICK LITTLE & WEBER, P.A.**  
ENGINEERS, PLANNERS, SURVEYORS  
3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MD. 20886  
(301) 421-4024



DES:	W.S.J.				
DRN:	W.S.J.				
CHK:	enb	delete 8" s. man @ M 327, add M 327A w/ 8" stub.	11-7-95		
DATE:	April 1995	eliminate W. lowering / Encasement / Misc. corrections	10/24/95		
BY:	NO.	REVISION			

Water Lowering and Sewer Profiles  
Profile Scales:  
1" = 50' Horiz.  
1" = 5' Vert.

**Gateway Commerce Center**  
Parcels A-51 thru A-59  
(A Resubdivision of Parcel A-49)  
Sixth Election District - Howard County, Maryland  
Contract No. 24-3406 D

SCALE AS SHOWN  
SHEET 6 OF 6