

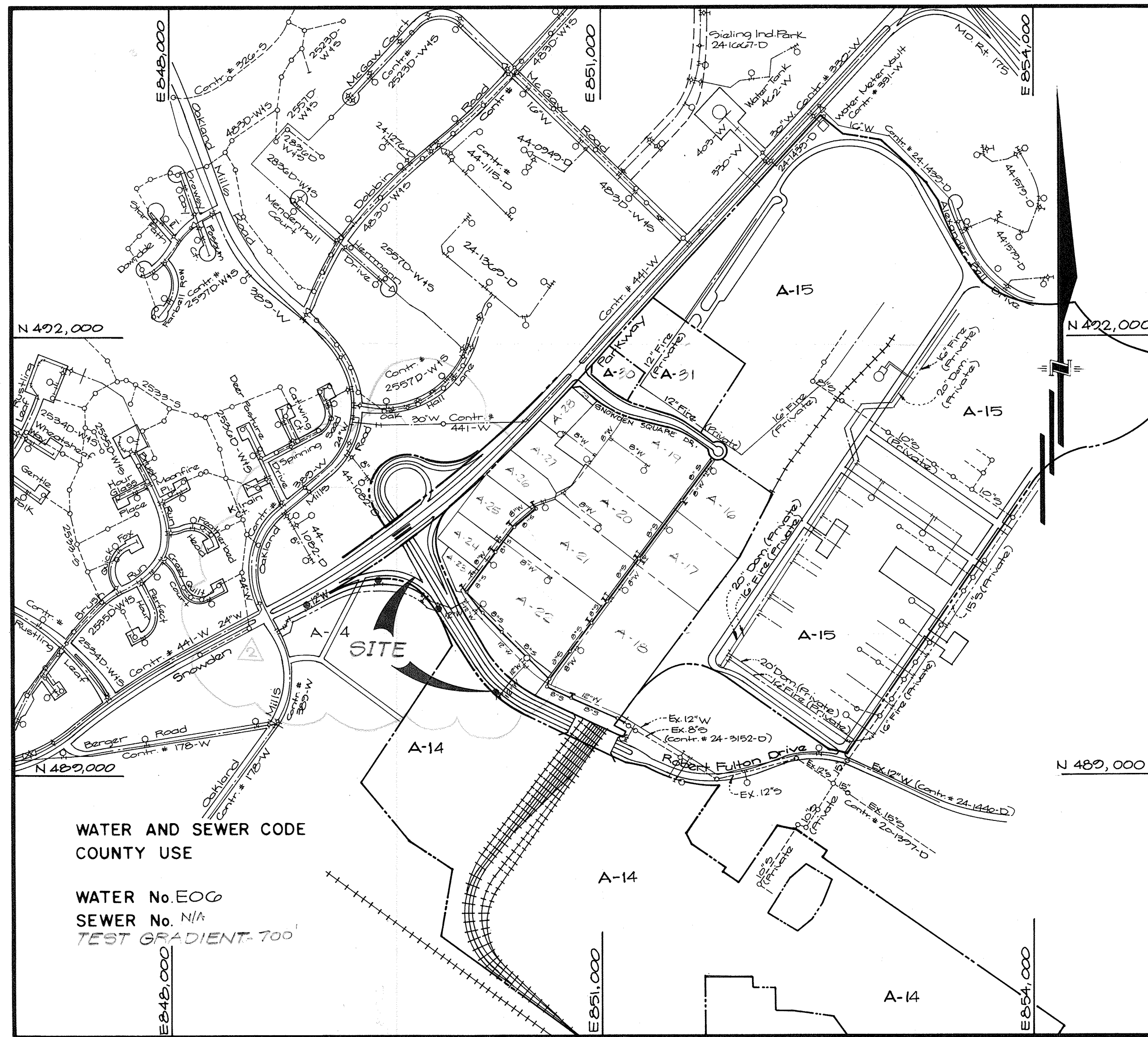
TYPE OF BUILDING	<u>Not Applicable</u>
NUMBER OF UNITS	<u>0</u>
NUMBER OF SHC'S	<u>0</u>
NUMBER OF WHC'S	<u>1</u> <i>(Note: Connection to parcel A-14 for future looping only)</i>
DRAINAGE AREA	<u>Little Patuxent</u>

**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 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

- 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 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.
  - The contractor shall notify the Bureau of Highways, Howard County, at (410) 213-2450 at least five working days before any open cut of any County road or boring/jacking operation in County roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPM requirements per Section 13.114(6), of the Howard County Code.



VICINITY MAP  
SCALE: 1" = 600'

NOTE: Contractor shall sequence the construction of this contract to avoid any possible conflicts with Sediment Control measures installed under SDF 92-49

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Construction Plan SDF 92-49; Drawings 1-13 Sediment & Erosion Control

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

U.S. SOIL CONSERVATION SERVICE

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

APPROVED: John L. Roberts 2/14/92 DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James M. Schulz* 8-17-92 DATE  
DIRECTOR OF PUBLIC WORKS

*John L. Roberts* 8-12-92 DATE  
CHIEF, BUREAU OF UTILITIES

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

BURTONSVILLE, MD 21046  
(301) 421-4024

DES: G.A.H.  
DRN: G.A.H.  
CHK: C.K.G.  
DATE: Aug. 1992

GAH: Δ Revise Quantities Box 2/31/92  
GAH: Δ Rev. alignment of 12" w in Vicinity Map 2/31/92  
GAH: Δ Add Test pit symbol to note # 7 2/22/92

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
12" Water	1537 L.F.	1601 L.F.	CL 52	ATLANTIC STATES
12" x 12" T. S. & V.	1 ea.	1 EA.	3/8" O.R.	MUELLER
Fire Hydrant & Valve	4 ea.	4 EA.	A-425 NST	MUELLER
12" Valve	1 ea.	1 EA.	O.R.	MUELLER
6" Water	90 L.F.	21 L.F.	CL 52	ATLANTIC STATES
12" - 1/8" H.B.	3 ea.	3 EA.	M.J.	TYLER
12" - 1/16" H.B.	1 ea.	1 EA.	M.J.	TYLER

NAME OF UTILITY CONTRACTOR: C. J. MILLER, INC.

WATER AS-BUILTS

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

**CONTRACT NO. 44-3187**  
**GATEWAY COMMERCE CENTER**  
**SECTION 3 - ROBERT FULTON DRIVE,**  
**PARCEL A-14 & A-4**  
**HOWARD COUNTY, MARYLAND**  
**DEPARTMENT OF PUBLIC WORKS**

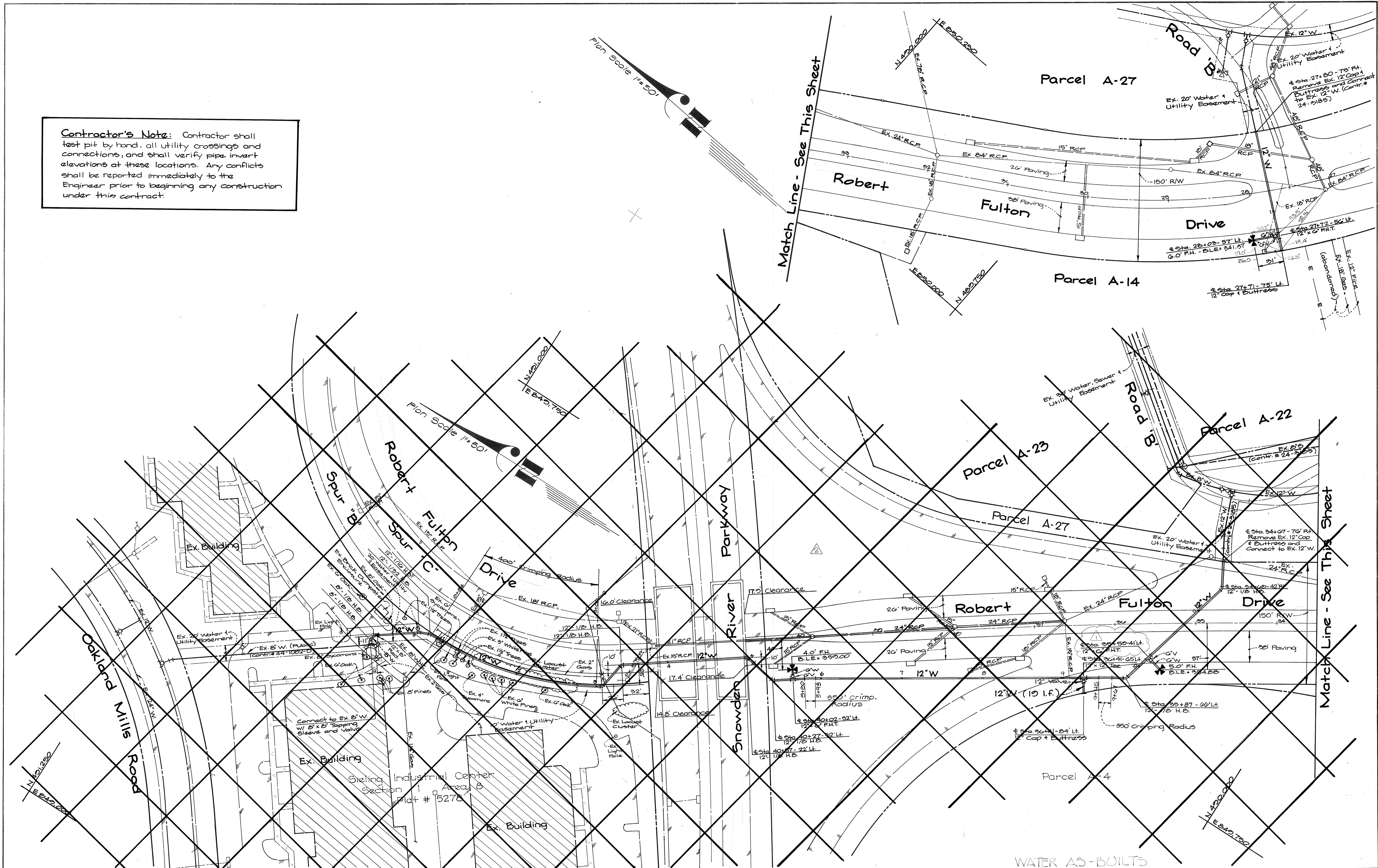
TITLE SHEET

**GATEWAY COMMERCE CENTER**  
**SECTION 3 - ROBERT FULTON DRIVE**  
**PARCEL A-14 & A-4**  
**(A Resubdivision of Gateway Commerce Center Parcel A-13)**  
 Sixth Election District Howard County, Maryland  
**CONTRACT N<sup>o</sup> 44-3187**

SCALE AS SHOWN  
SHEET 1 OF 5

AS-BUILT

**Contractor's Note:** Contractor shall test pit by hand, all utility crossings and connections, and shall verify pipe invert elevations at these locations. Any conflicts shall be reported immediately to the Engineer prior to beginning any construction under this contract.



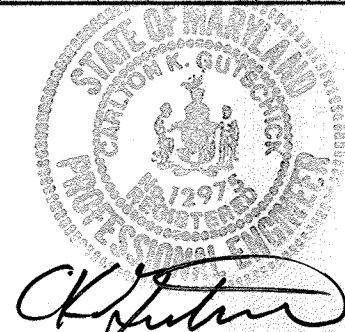
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James M. ...*  
DIRECTOR OF PUBLIC WORKS  
DATE: 8-12-92

*W. ...*  
CHIEF, BUREAU OF ENGINEERING  
DATE: 8-17-92

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

3909 NATIONAL DRIVE, SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MD. 20986  
(301) 421-4024



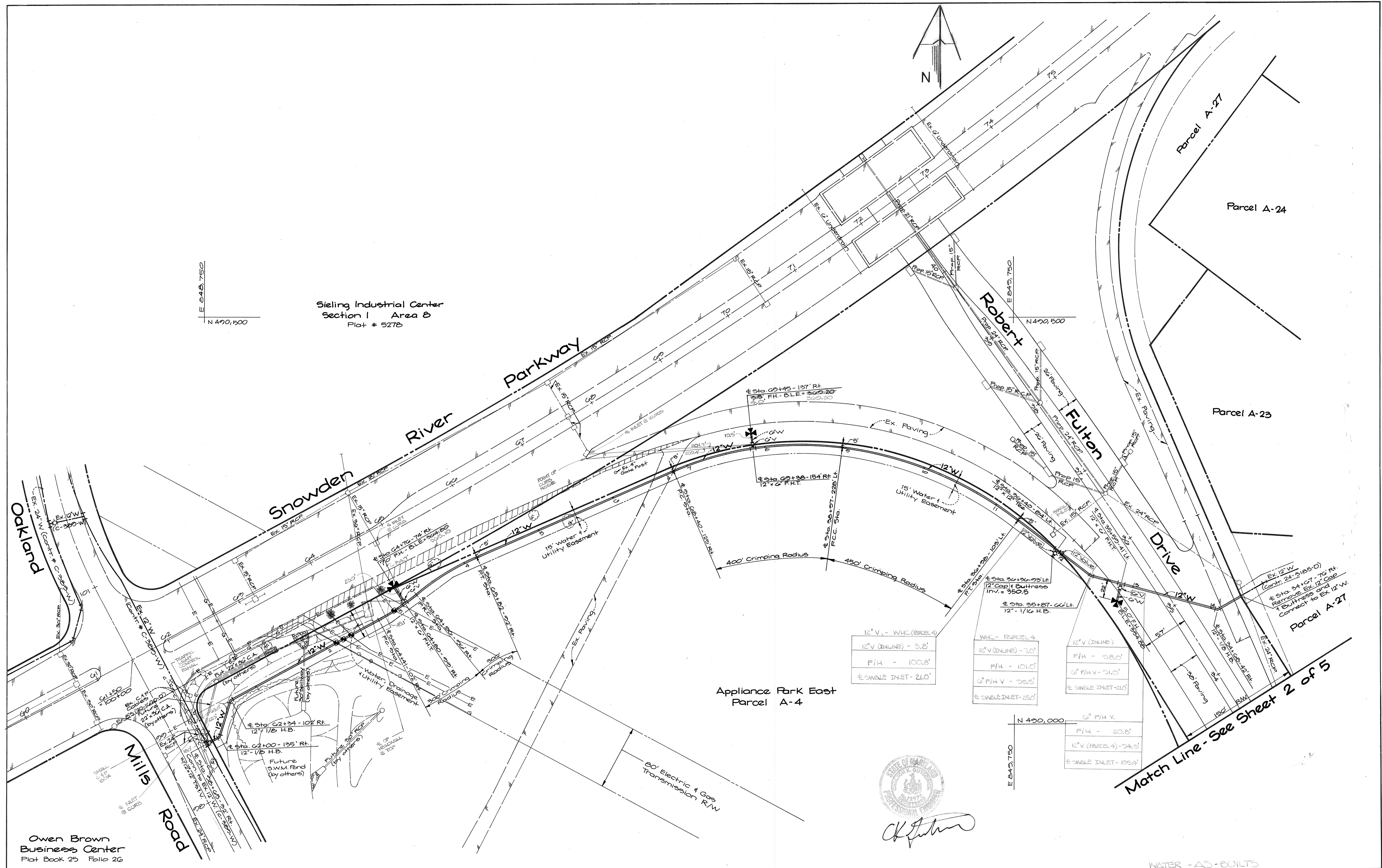
DES: G.A.H.	
DRN: G.A.H.	
CHK: C.K.G.	
DATE: Aug 1992	
BY: NO.	
REVISION	
DATE	

Water Main Construction Plans  
Scale: 1" = 50'

600' SCALE MAP NO. 42 BLOCK NO. 5

**Gateway Commerce Center**  
SECTION 3 - ROBERT FULTON DRIVE  
PARCEL A-14 & A-4  
(A Resubdivision of Gateway Commerce Center Parcel A-13)  
Sixth Election District - Howard County, Maryland  
Contract No. 44-3187

SCALE AS SHOWN  
SHEET 2 OF 5



E 848,750  
N 490,800

Sieling Industrial Center  
Section I Area B  
Plat # 5278

12" V, - W.H.C. (PARCEL 4)
12" (ONLINE) - 3.8'
F/H - 100.8'
6" SWALE INLET - 21.0'

W.H.C. - PARCEL 4
12" (ONLINE) - 7.0'
F/H - 101.0'
6" F.H.V. - 25.5'
6" SWALE INLET - 25.0'

12" V (ONLINE)
F/H - 28.0'
6" F.H.V. - 21.0'
6" SWALE INLET - 21.5'

6" F.H.V.
F/H - 20.8'
12" V (PARCEL 4) - 24.3'
6" SWALE INLET - 10.94'

Appliance Park East  
Parcel A-4

Match Line - See Sheet 2 of 5

Owen Brown  
Business Center  
Plat Book 25 Folio 26

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

12/17/92  
12-15-92  
12/17/92

**GW** GUTSCHICK LITTLE & WEBER, P.A.  
ENGINEERS, PLANNERS, SURVEYORS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MD 20866  
(301) 421-4024

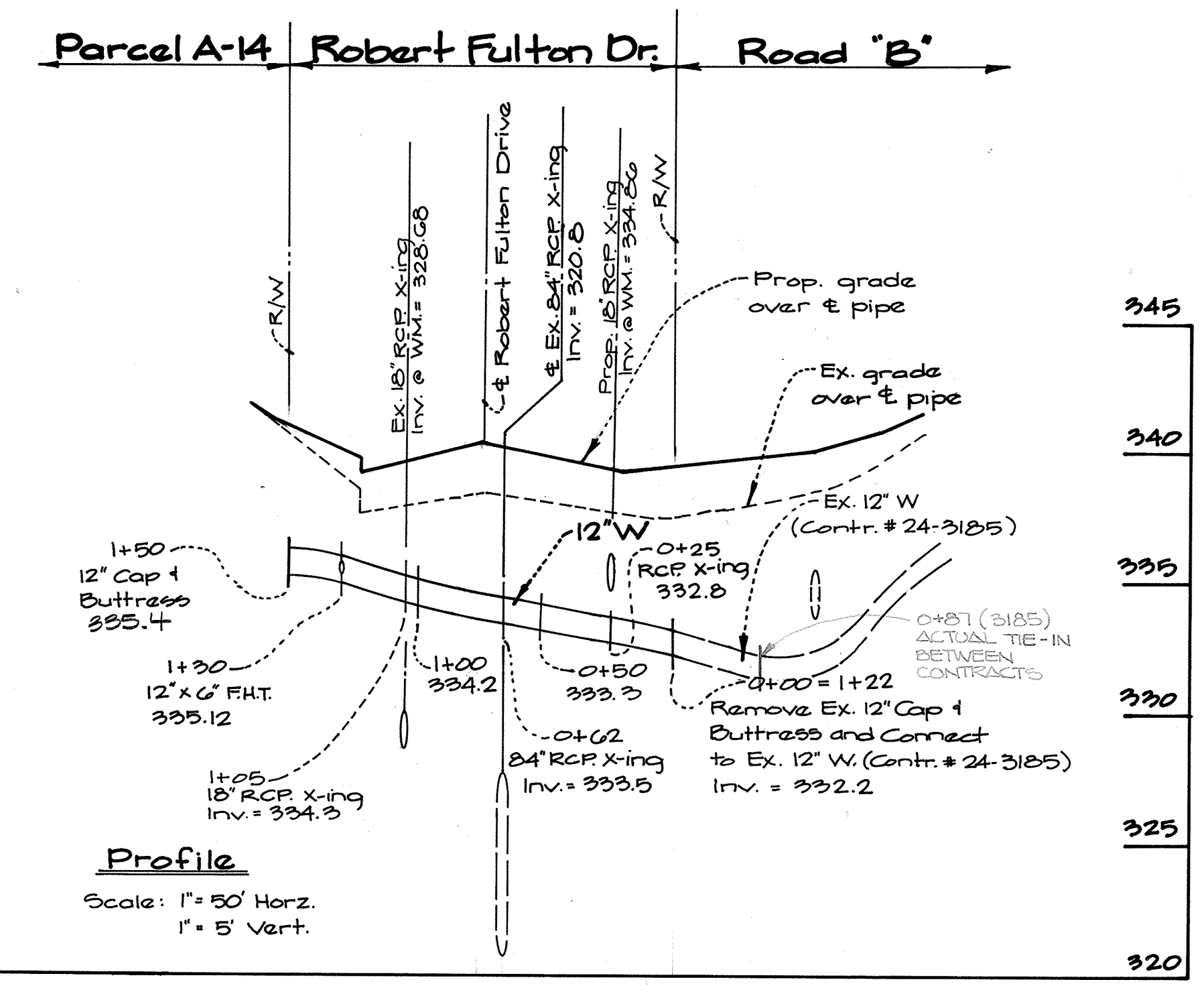
DES: G.A.H.  
DRN: G.A.H.  
CHK: C.K.G.  
DATE: Oct 1992  
BY: GAH  
NO. 1  
REVISION: Add this sheet to contract

Water Main Construction Plans  
Scale: 1" = 50'

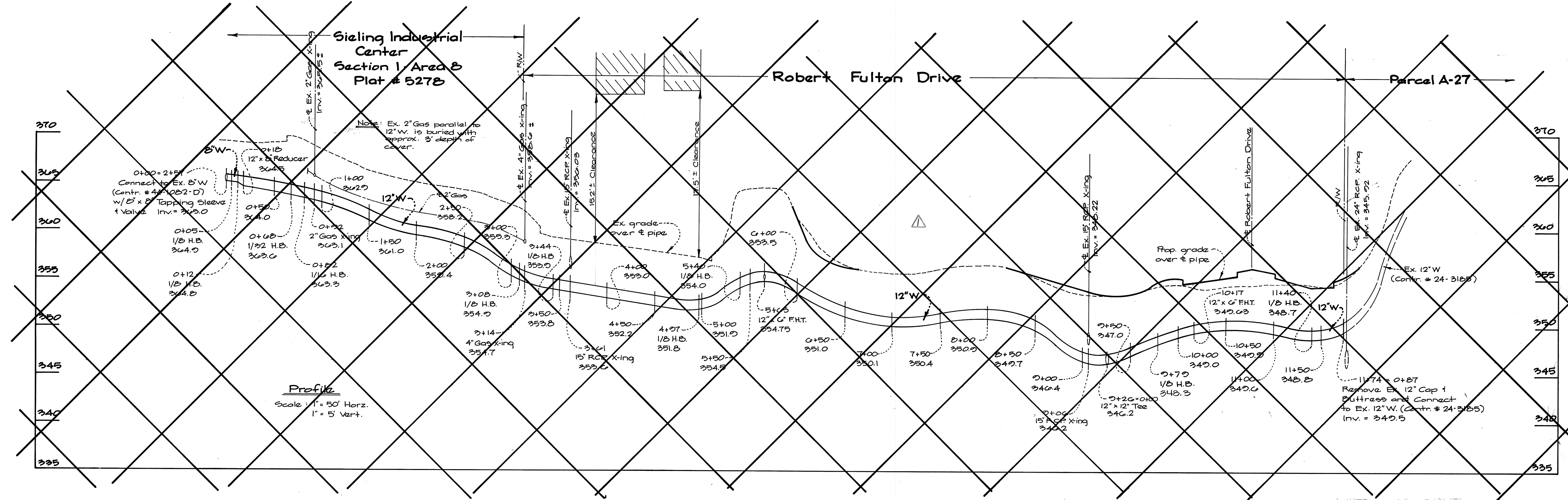
DATE: 600' SCALE MAP NO. 42 BLOCK NO. 5

GateWay Commerce Center  
Section 3  
Robert Fulton Drive + Parcel A-14 + A-4  
(A Resubdivision of GateWay Commerce Center, Parcel A-15)  
Sixth Election District - Howard County, Maryland  
Contract No: 44-3187-D

SCALE AS SHOWN  
SHEET 2 OF 5



**Contractor's Note:** Contractor shall test pit by hand, all utility crossings and connections, and shall verify pipe invert elevations at these locations. Any conflicts shall be reported immediately to the Engineer prior to beginning any construction under this contract.



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*John W. Shaw*  
DIRECTOR OF PUBLIC WORKS  
DATE: 8-12-92

*Robert Benner*  
CHIEF, BUREAU OF UTILITIES  
DATE: 8-12-92

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

3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MD. 20886  
13011 421-4024



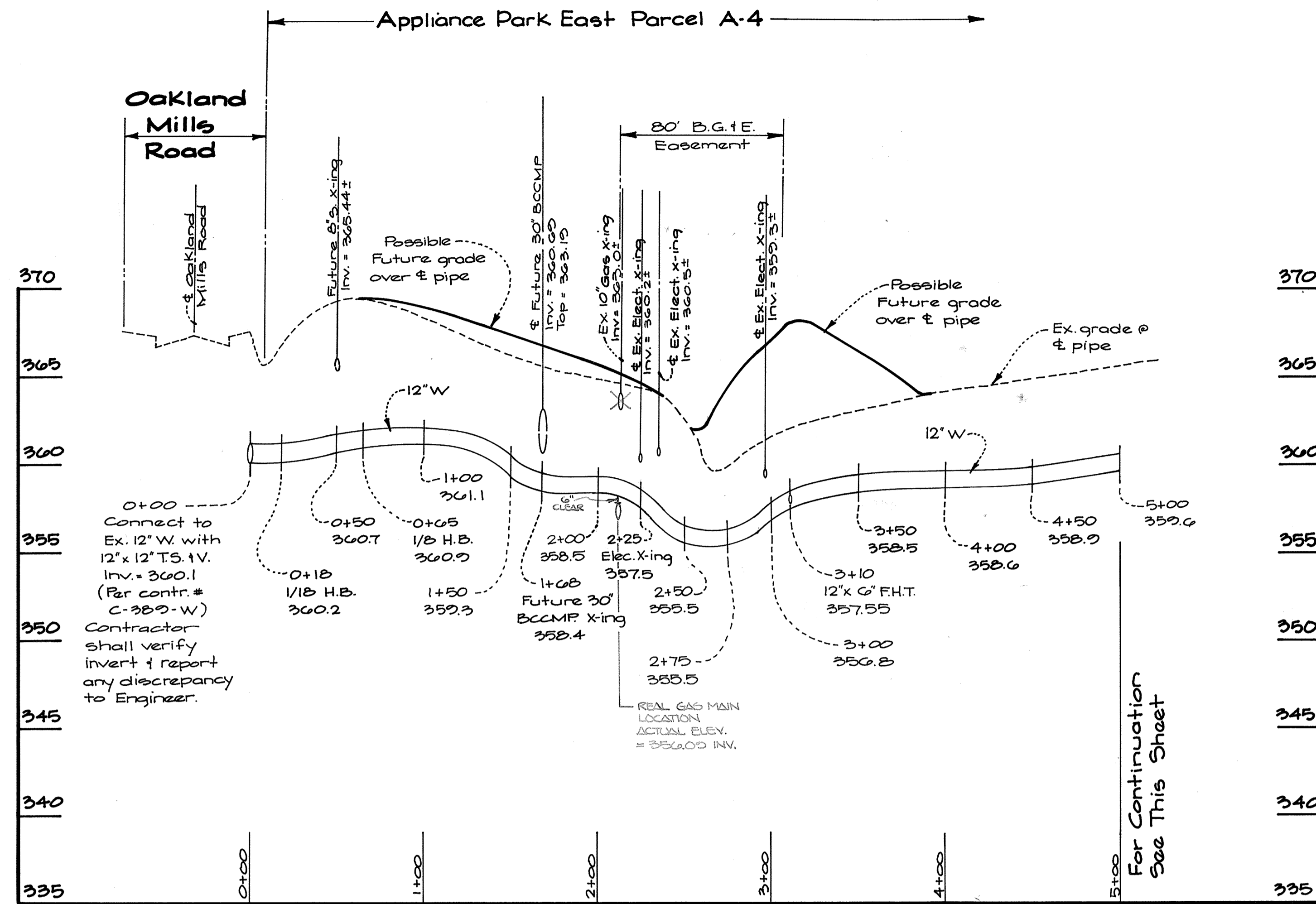
DES: G.A.H.	
DRN: G.A.H.	
CHK: C.K.G.	
DATE: Aug. 1992	
GAH	Revise Sheet numbers
GAH	Delete 12\"/>
BY NO.	REVISION

Water Main Profiles  
Scale: 1" = 50' Horiz.  
1" = 5' Vert.

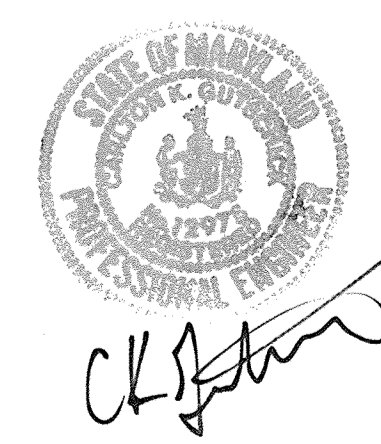
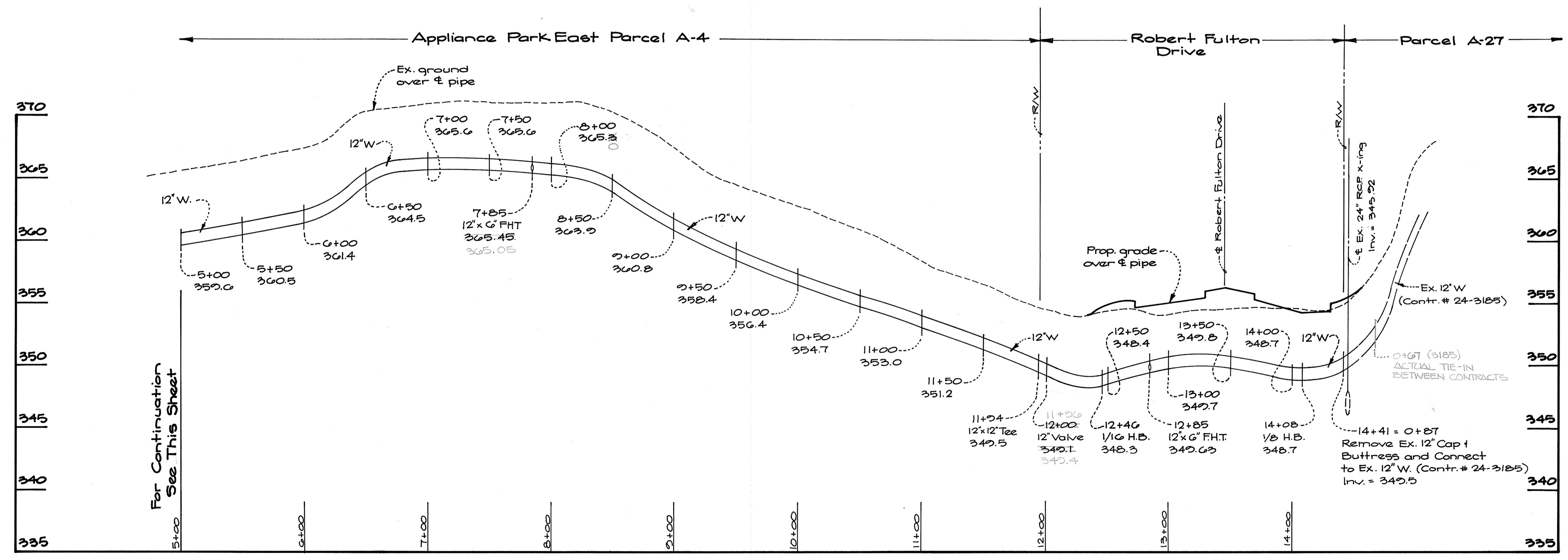
600' SCALE MAP NO. 42 BLOCK NO. 5

**Gateway Commerce Center**  
SECTION 3 - ROBERT FULTON DRIVE,  
PARCEL A-14 & A-4  
(A Resubdivision of Gateway Commerce Center Parcel A-13)  
Sixth Election District Howard County, Maryland  
Contract No. 44-3187

SCALE AS SHOWN  
SHEET 4 OF 5



**Contractor's Note:** Contractors shall test pit by hand, all utility crossings & connections, and shall verify pipe invert elevations at these locations. Any conflicts shall be reported immediately to the Engineer prior to beginning any construction under this contract.



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James M. Law* 12/17/92  
DIRECTOR OF PUBLIC WORKS DATE

*William D. Raley* 12/17/92  
CHIEF, BUREAU OF ENGINEERING DATE

*Robert B. Smith* 12-15-92  
CHIEF, BUREAU OF UTILITIES DATE

*William D. Raley* 12/17/92  
CHIEF, LAND DEVELOPMENT DIV. DATE

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

3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MD. 20886  
(301) 421-4024

DES: GAH			
DRN: GAH			
CHK: CKG			
DATE: Oct. 1992	GAH	NO.	NO.
	Add this sheet to contract		
		REVISION	

Water Main Profiles  
Scale: 1" = 50' Horiz.  
1" = 5' Vert.

600' SCALE MAP NO. 42 BLOCK NO. 5

WATER - AS-BUILT

**Gateway Commerce Center**  
Section 3  
Robert Fulton Drive & Parcel A-14 & A-4  
(A Resubdivision of Gateway Commerce Center, Parcel A-13)  
Sixth Election District Howard County, Maryland  
Contract No: 44-3187-D

SCALE AS SHOWN  
SHEET 5 OF 5