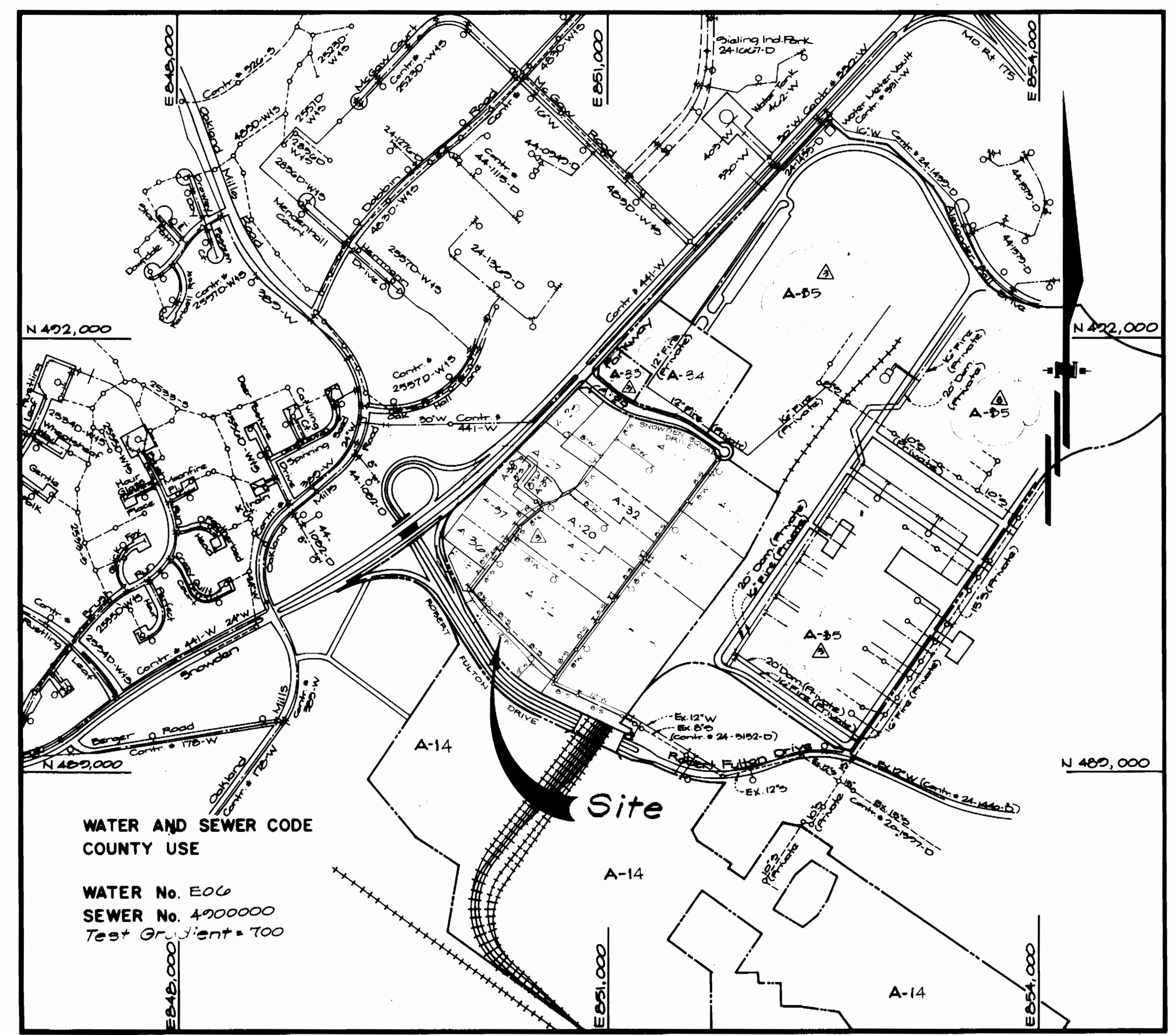


REBATE NOTE	
Water	Rebatable - Contract 24-3185-D
Sewer	Rebatable - Contract 24-3185-D

TYPE OF BUILDING	Retail Warehouse
NUMBER OF UNITS	14 Buildable Parcels
NUMBER OF SHC's	15
NUMBER OF WHC's	14
DRAINAGE AREA	Little Patuxent

WASTEWATER TREATMENT PLANT - LITTLE PATUXENT  
 WATER QUALITY MANAGEMENT CENTER SAVAGE, HOWARD COUNTY, MARYLAND  
**GENERAL NOTES**



VICINITY MAP  
 SCALE: 1" = 600'

WATER AND SEWER CODE  
 COUNTY USE  
 WATER No. E06  
 SEWER No. 4900000  
 Test Gr. Elevation = 700

- 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

- 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.

- PART III - SEWER**
- All sewer mains shall be DIP, RCP, VCPX, CSPX, RCCP 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.
  - The contractor shall notify the Bureau of Highways, Howard County, at (410) 318-2450 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 DPW requirements per Section 19.114(a) of the Howard County Code.

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with Sediment Control measures installed under SDP 22-49 (CA 92-140)

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications B with Road Construction Plan F 92-140 M, Drawings I-13 Sediment & Erosion Control M and SDP 92-49

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
 Signature: James M. Helm  
 Date: 6/3/92  
 U.S. SOIL CONSERVATION SERVICE

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

APPROVED:  
 Signature: John L. Roberts  
 Date: 6/3/92  
 HOWARD S.C.D.

**CONTRACT NO. 24-3185**  
**GATEWAY COMMERCE CENTER**  
**SECTION 1 PARCELS A-16 TO A-23, A-27**  
**TO A-29, A-32 & A-36 TO**  
**HOWARD COUNTY, MARYLAND A-39**  
**DEPARTMENT OF PUBLIC WORKS**

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" Sewer	4282 LF	3712 LF	550K-45	
8" D.I. Sewer Cl. 52	604 LF	604 LF	CL 52 PRECAST	
4' Manholes	22 ea.	17 EA.	PRECAST	
12" Water	1652 LF	1640 LF	CL 52 PRECAST	
8" Water	5884 LF	5884 LF	CL 52 PRECAST	
6" Water	700 LF	700 LF	CL 52 PRECAST	
12" Valve	3 ea.	3 EA.	SEA.	SEA.
8" Valve	19 ea.	19 EA.	SEA.	SEA.
Fire Hydrant & Valve	1 ea.	1 EA.	A425 N.P. 04	
6" Sewer	74 LF	74 LF	SEA.	
1 1/2" WHC	15 LF	15 LF	SEA.	
2" Meter	1 ea.	1 EA.	SEA.	
A-3 ADDITION				
4' MH	5 EACH	5 EACH	PRECAST	ATLANTIC PIPE PROD.
8" SEWER	507'	505'	50R 3E	CL 52 MFG.
FLU	1 EACH	1 EACH	MULLER	MULLER
8" WATER (CL 52)	300'	300'	CL 52 DIP	GRIFFIN PIPE
6" WATER	40'	40'	CL 52 DIP	"

NAME OF UTILITY CONTRACTOR: PENNSYLVANIA UTILITIES, INC.  
 WATER, SEWER, GAS, TELEPHONE

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

Signature: James M. Helm  
 Date: 6-10-92  
 CHIEF, BUREAU OF ENGINEERING

Signature: Robert M. Sullivan  
 Date: 6-1-92  
 CHIEF, BUREAU OF UTILITIES

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

1908 NATIONAL DRIVE, SUITE 250, WASHINGTONVILLE OFFICE PARK  
 WASHINGTONVILLE, MD 21158  
 (301) 421-4024



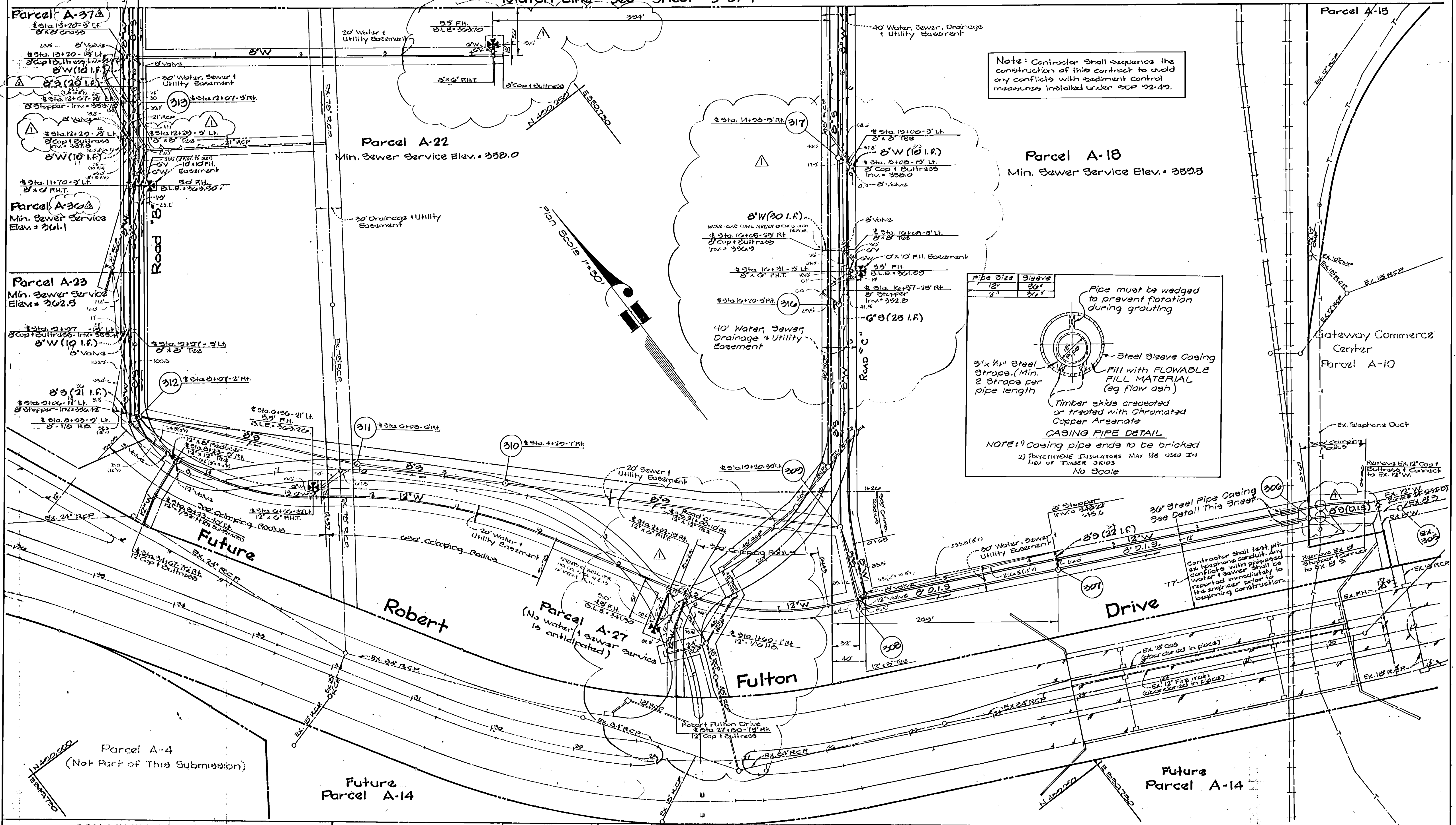
DES. G.A.H.					
DRN. G.A.H.					
CHK. C.K.G.	GAH	GAH	GAH	GAH	GAH
DATE: May 26, 1992	BY: NO	REVISION	DATE	600 SCALE MAP NO. 42	BLOCK NO. 516

Title Sheet

**Gateway Commerce Center**  
 Section 1 Parcels A-16 thru A-23, A-27 thru A-29, A-32 & A-36 thru A-39  
 (A Resubdivision of Gateway Commerce Center Parcel A-11)  
 Sixth Election District Howard County, Maryland  
 Contract No: 24-3185-D

SCALE AS SHOWN  
 SHEET 1 OF 1  
 AS-BUILT

Match Line See Sheet 3 of 7



Note: Contractor shall sequence the construction of this contract to avoid any conflicts with sediment control measures installed under SOP 92-49.

Pipe Size	Spigots
12"	30"
8"	30"

Pipe must be wedged to prevent flotation during grouting

3"x 1/4" Steel Straps (Min. 2 Straps per pipe length)

Fill with FLOWABLE FILL MATERIAL (eg flow ash)

Timber skids created or treated with Chromated Copper Arsenate

**CASING PIPE DETAIL**

NOTE: 1) casing pipe ends to be bricked  
2) POLYETHYLENE INSULATORS MAY BE USED IN LIEU OF TIMBER SKIDS  
No Scale

Contractor shall test pit at telephone conduit. Any conflicts with proposed casing & sewer shall be reported immediately to the engineer prior to beginning construction.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Pamela A. Miller*  
DIRECTOR OF PUBLIC WORKS  
DATE: 6-10-92

*Robert R. Miller*  
CHIEF BUREAU OF UTILITIES  
DATE: 6-1-92

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

3808 NATIONAL DRIVE - SUITE 200 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MD. 20986  
(301) 421-1024



DES: G.A.H.	MJT	Rev. Parcel Nos & A-20/A-21 R	2/2/92
CRN: G.A.H.	GAH	Rev. W.M.E. Intx. Road 'B' & Fulton Drive	2/10/92
CHK: C.H.G.	GAH	Rev. location of fills & storm drains	2/17/92
	RSP	Rev. 8" Dia. of Top of Cap from 12" to 12 1/2"	2/17/92
	RSP	Rev. 8" Dia. of Top of Cap from 12 1/2" to 12"	2/17/92
	RSP	Rev. 8" Dia. of Top of Cap from 12" to 12 1/2"	2/17/92
	RSP	Rev. 8" Dia. of Top of Cap from 12 1/2" to 12"	2/17/92
DATE: 10/92	BY NO.	REVISION	DATE

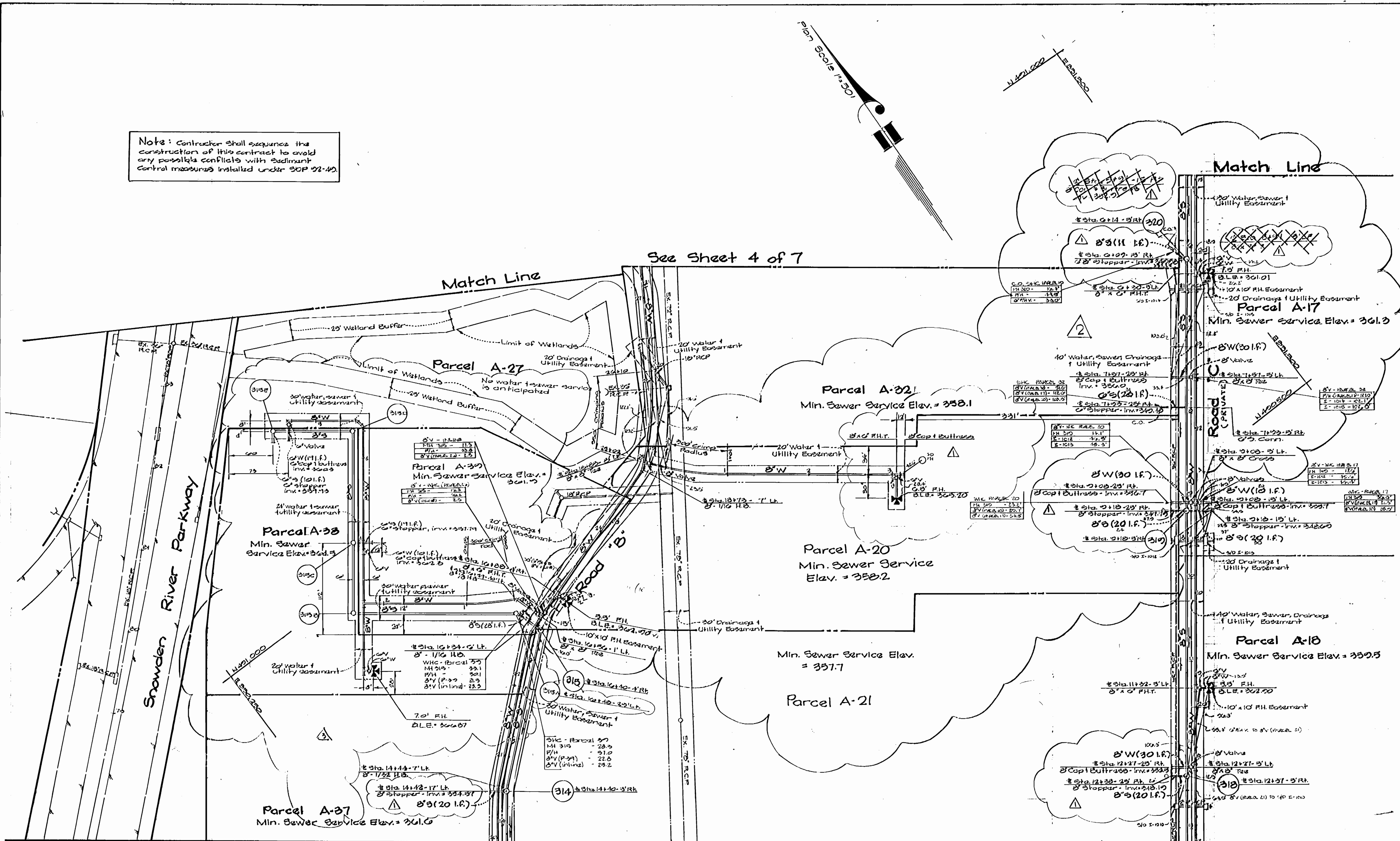
Water & Sewer Construction Plans  
Scale: 1" = 50'

600' SCALE MAP NO. 42 BLOCK NO. 316

**Gateway Commerce Center**  
Section 1 - Parcels A-16 thru A-23, A-27 thru A-29  
(A Resubdivision of Gateway Commerce Center Parcel A-11)  
Sixth Election District - Howard County, Maryland  
Contract No: 24-3105-D

SCALE AS SHOWN  
SHEET 2 OF 7

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with sediment control measures installed under SOP 02-40.



Match Line See Sheet 2 of 7

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

**GW** GUTSCHICK LITTLE & WEBER, P.A.  
ENGINEERS, PLANNERS, SURVEYORS  
3909 NATIONAL DRIVE, SUITE 100 - BUNTSVILLE OFFICE PARK  
BUNTSVILLE, MD. 20848  
(301) 422-4054



DES: G.A.H.	MJT	▲	Add W/S Main, P.H., Add W/S Conns	3/1/92
DRN: G.A.H.	GAH	▲	Rev. Parcel lines to add a parcel	4/1/92
	GAH	▲	Add a Water & Sewer Conn. between MH 312 & 313; Rev. Conn. for Parcel A-12	4/1/92
CHK: C.K.G.	RSP	▲	Rev. parcel lines, P.H.'s & Storm drain locations	4/1/92
	RSP	▲	Rev. Sta. & Stopper @ MH 314 Comitting to utility	4/1/92
	RSP	▲	Rev. Inv. & Stopper @ Sta. 315 & 316	4/1/92
	RSP	▲	Rev. Inv. of Cap. @ Sta. 312 & 313	4/1/92
DATE: 10/92	BY NO.		REVISION	DATE

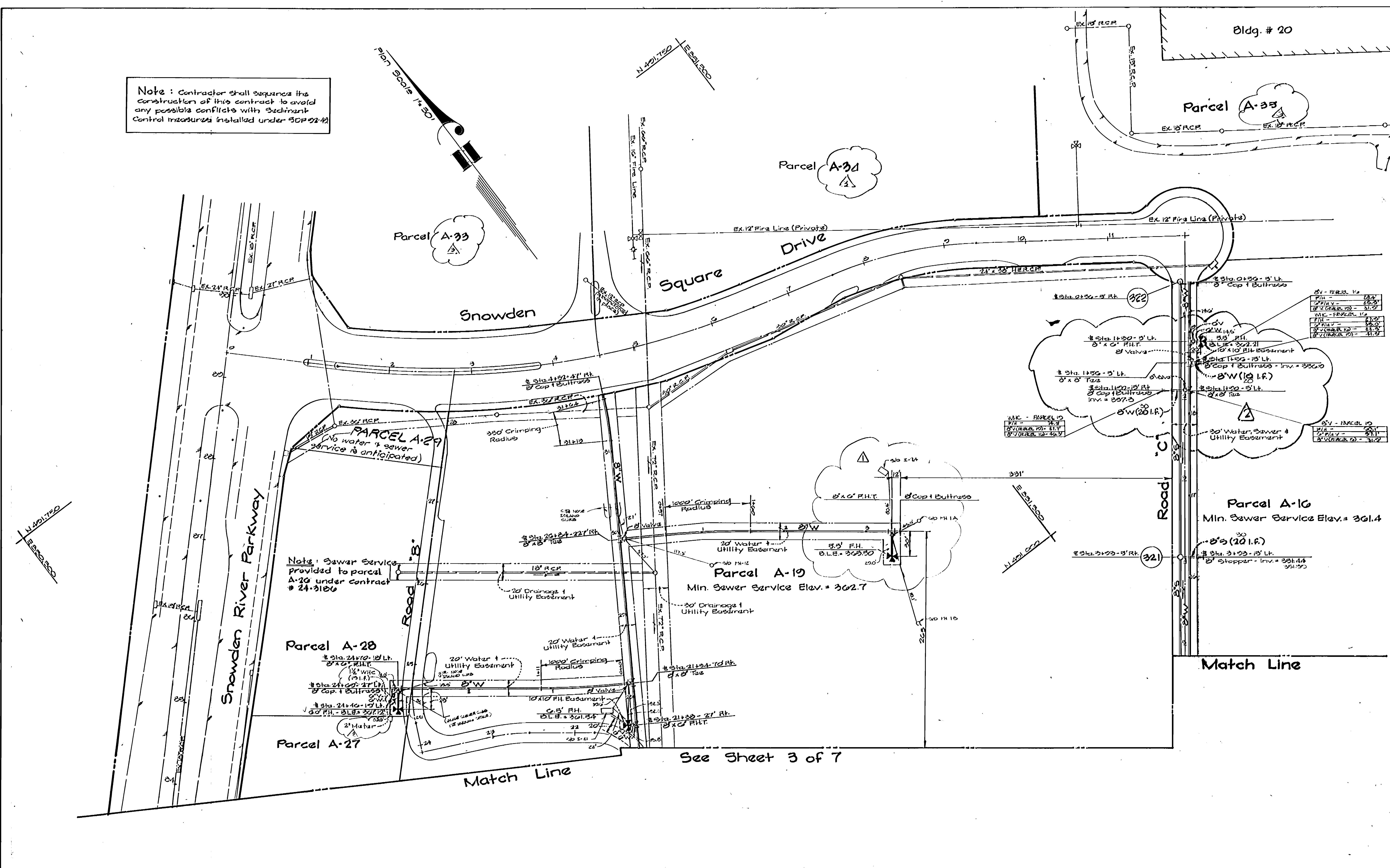
Water & Sewer Construction Plans  
Scale: 1" = 50'

**Gateway Commerce Center**  
Section 1 Parcels A-16 thru A-23, A-27 thru A-29  
(A Resubdivision of Gateway Commerce Center Parcel A-11)  
Sixth Election District - Howard County, Maryland  
Contract No: 24-2123-D

SCALE AS SHOWN  
SHEET 3 OF 7

AS-BUILT 7-15-93

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with Sediment Control measures installed under SOP 02-42



Note: Sewer Service provided to parcel A-28 under contract # 24-3186

Parcel A-28

Parcel A-10  
Min. Sewer Service Elev. = 302.7

Parcel A-16  
Min. Sewer Service Elev. = 301.4

See Sheet 3 of 7

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*[Signature]*  
DIRECTOR OF PUBLIC WORKS

*[Signature]*  
DATE

*[Signature]*  
DATE

*[Signature]*  
DATE

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

2808 NATIONAL DRIVE - SUITE 200 - BURTCHVILLE OFFICE PARK  
BURTCHVILLE, MD 20888  
(301) 421-1024



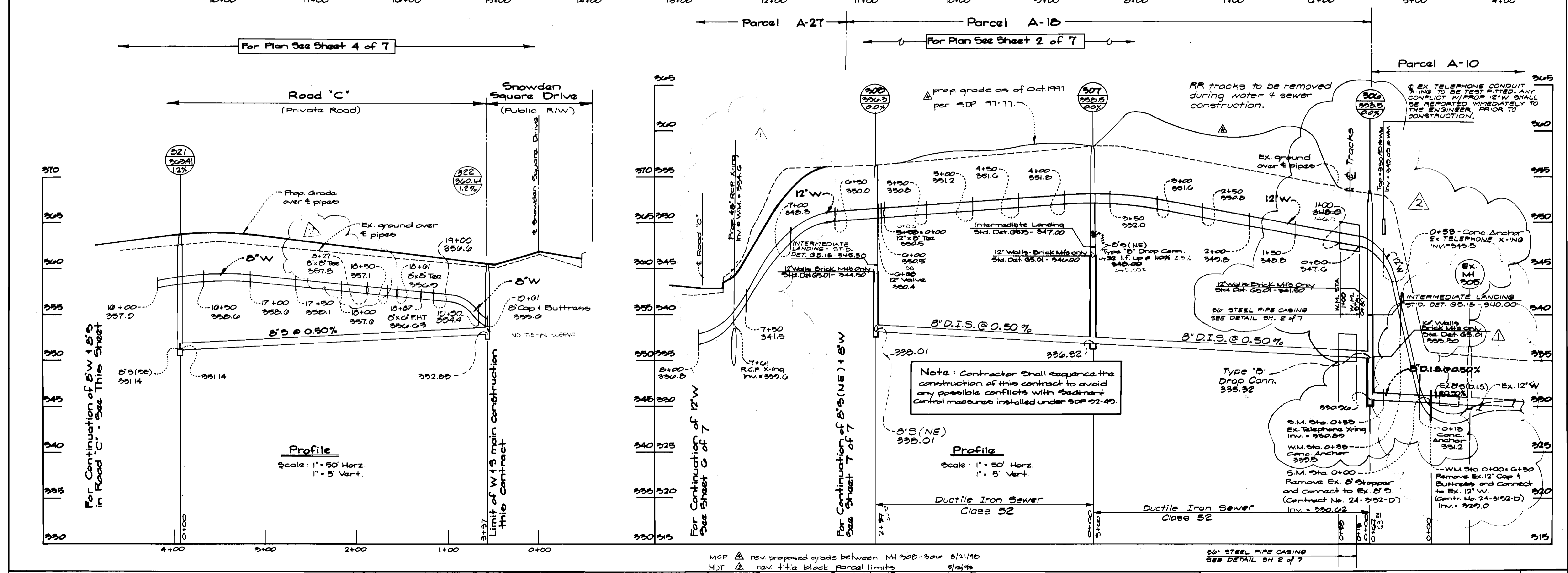
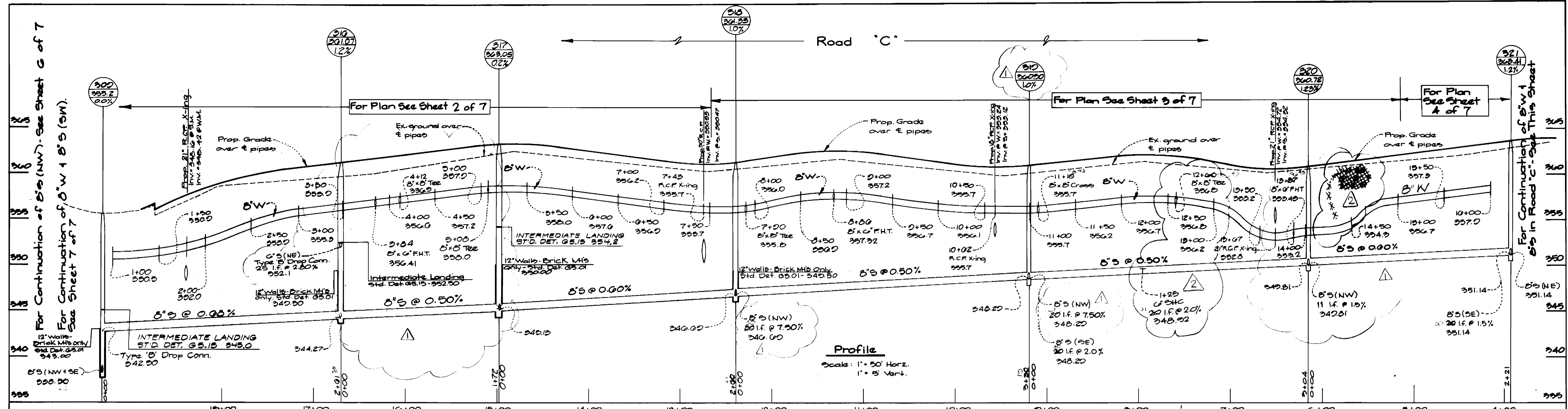
DES: G.A.H.					
DRN: G.A.H.					
CHK: C.K.G.					
DATE: May 26, 1992					
BY: NO.					
REVISION					

Water & Sewer Construction Plans  
Scale: 1" = 50'

600' SCALE MAP NO. 42 BLOCK NO. 516

**Gateway Commerce Center**  
Section 1 Parcels A-27 thru A-33 & A-21 thru A-25  
(A Resubdivision of Gateway Commerce Center Parcel A-11)  
Sixth Election District - Howard County, Maryland  
Contract No: 24-3185-D

SCALE AS SHOWN  
SHEET 4 OF 7  
AS-BUILT 7-15-93

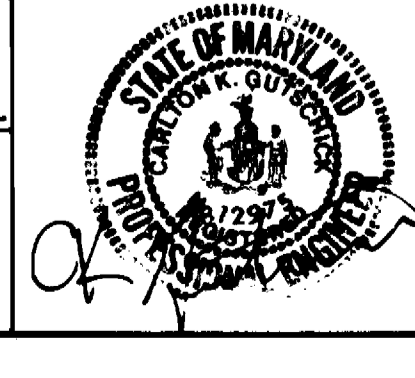


DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

Director of Public Works: *James J. [Signature]* DATE: 6-1-92  
 Chief, Bureau of Engineering: *[Signature]* DATE: 6-10-92  
 Chief, Bureau of Utilities: *[Signature]* DATE: 6-1-92  
 Chief, Land Development Div.: *[Signature]* DATE: 6/1/92

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

2908 NATIONAL DRIVE, SUITE 250, BARTHOLOMEW OFFICE PARK  
BARTHOLOMEW, MD 20886  
(301) 421-4024



DES: G.A.H.	GAH	Rev. proposed grade between M1 300-300	6/21/90
DRN: G.A.H.	GAH	Rev. title block parcel limits	5/21/90
CHK: C.K.G.	GAH	Rev. water conn. for parcel A-15	5/17/92
DATE: May 26, 1992	GAH	Add Ex. Tee @ Sta. 12+00 to 12+10	5/17/92
	GAH	Raise rim of M1 300-1 increase wall thickness	5/17/92
	RSP	Rev. 12" WM from Sta. 0+00 to Sta. 1+00	5/17/92
	RSP	Rev. WM Profiles near M1's 300-300 + 320	6/17/92
	RSP	Adj. SMC Grades @ Sta. 5+00 to 5+10	6/17/92
	RSP	Adj. RIM ELEV. @ M1 310	6/17/92
	RSP	M1 310; Rev. "Cross" @ Sta. 3+00 to Sta. 3+20	6/17/92
	RSP	Rev. Added Ex. Tee @ Sta. 12+00 to 12+10	6/17/92
BY NO.		REVISION	DATE

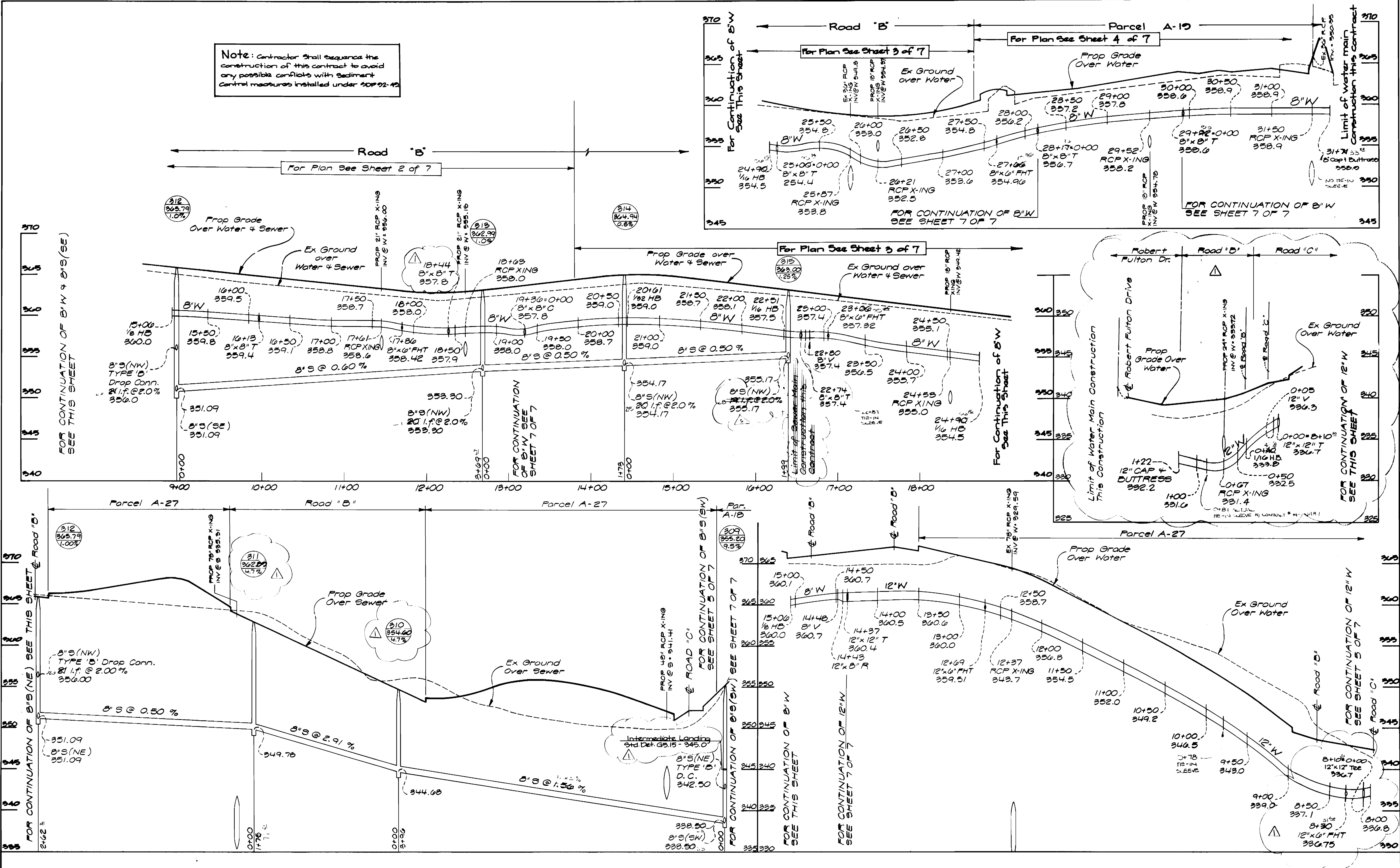
**Water and Sewer Profiles**  
Scale: 1" = 50' Horiz.  
1" = 5' Vert.

600' SCALE MAP NO. 42 BLOCK NO. 510

**Gateway Commerce Center**  
Section 1 Parcels A-10 thru A-23, A-27 thru A-29  
(A Resubdivision of Gateway Commerce Center Parcel A-11)  
Sixth Election District - Howard County, Maryland  
Contract No: 24-3125-D

SCALE AS SHOWN  
SHEET 5 OF 7  
AS-BUILT

Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with sediment control measures installed under 50P 92-42



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

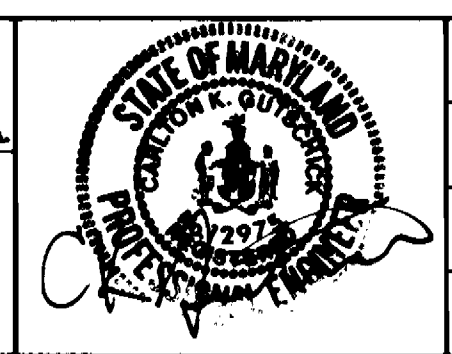
*James M. ...*  
DIRECTOR OF PUBLIC WORKS DATE

*...*  
CHIEF, BUREAU OF ENGINEERING DATE

*...*  
CHIEF, BUREAU OF UTILITIES DATE

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

3908 NATIONAL DRIVE SUITE 250 BURTOWVILLE OFFICE PARK  
BURTOWVILLE, MD 20888  
(301) 421-4024



DES: G.A.H.			
DRN: RSP			
CHK: C.K.G.			
DATE: May 26, 1992			
BY: RSP			
NO.:			

Water and Sewer Profiles

Scale: 1" = 50' Horiz.  
1" = 5' Vert.

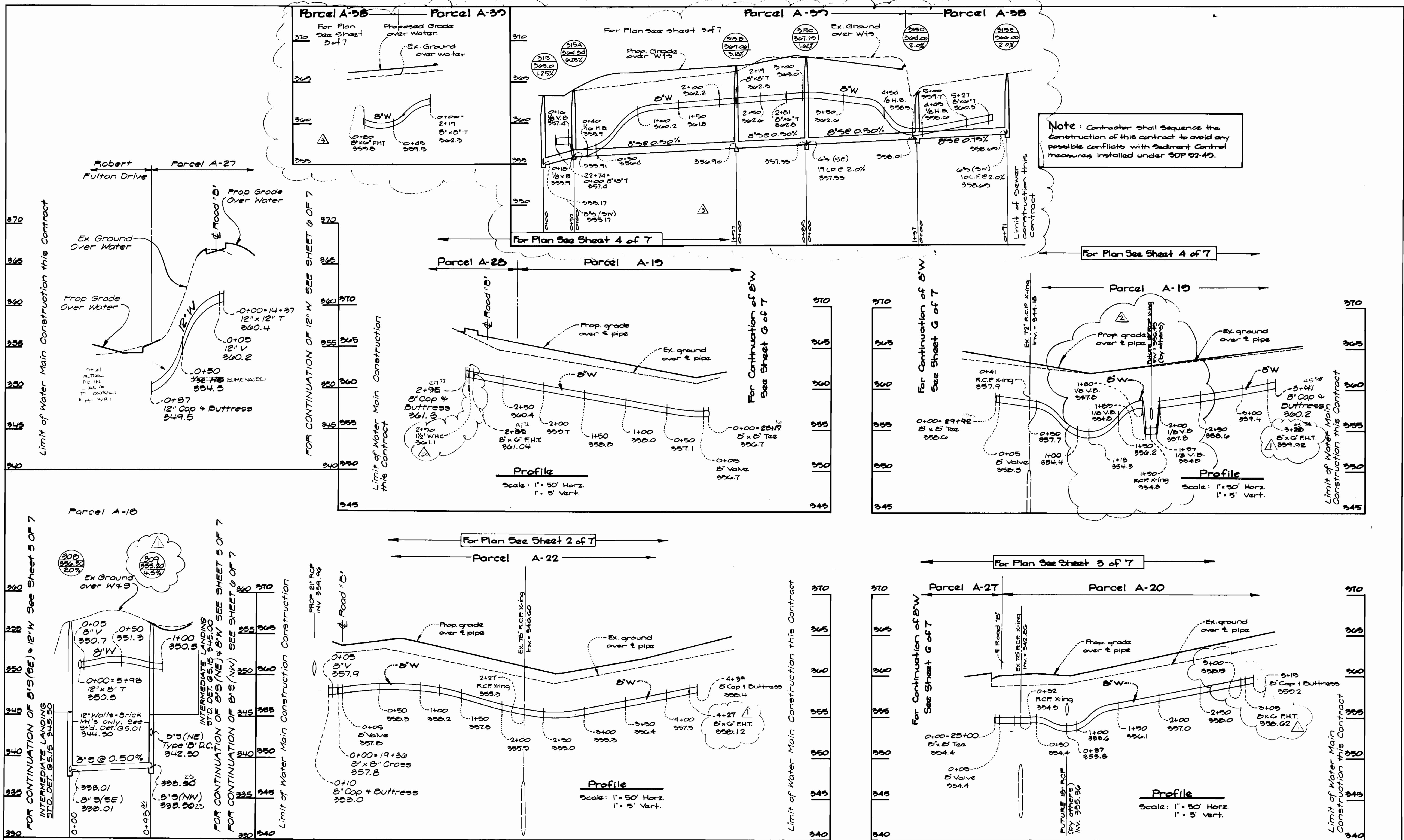
600' SCALE MAP NO. 42 BLOCK NO. 516

**Gateway Commerce Center**  
Section I  
(A Resubdivision of Gateway Commerce Center Forest Act)

Sixth Election District - Howard County, Maryland  
Contract No: 24-3183-D

SCALE AS SHOWN  
SHEET 6 OF 7

AS-BUILT 7-15-95



Note: Contractor shall sequence the construction of this contract to avoid any possible conflicts with Sediment Control measures installed under SDP 02-10.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] DATE: 6-1-92  
 Chief, Bureau of Engineering: [Signature] DATE: 6-10-92  
 Chief, Bureau of Utilities: [Signature] DATE: 6-1-92  
 Chief, Land Development Div.: [Signature] DATE: 6/1/92

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

3909 NATIONAL DRIVE, SUITE 200, BARTONSVILLE OFFICE PARK  
BARTONSVILLE, MD 21015  
(301) 421-4024



DES: G.A.H.			
DRN: G.A.H.			
CHK: C.K.G.	MJT	Add profile water station elev thru 0+50	7/12/92
	GAH	Add profile 215 thru 315, Add 1/2" W.C.	7/19/92
	GAH	Rev. 8" W. Parcel A-19 to Dip Under RCP	5/17/92
DATE: May 21, 1992	BY: NO.	Rev. stations & Elevations of P.H.T.'s & Rm 322	
		REVISION	

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

600' SCALE MAP NO. 42 BLOCK NO. 212

Gateway Commerce Center  
Section I Parcels A-18 thru A-25, A-27 thru A-29  
(A Resubdivision of Gateway Commerce Center Parcels A-18 thru A-39)  
Sixth Election District Howard County, Maryland  
Contract No: 24-3125-D

SCALE AS SHOWN  
SHEET 7 OF 7