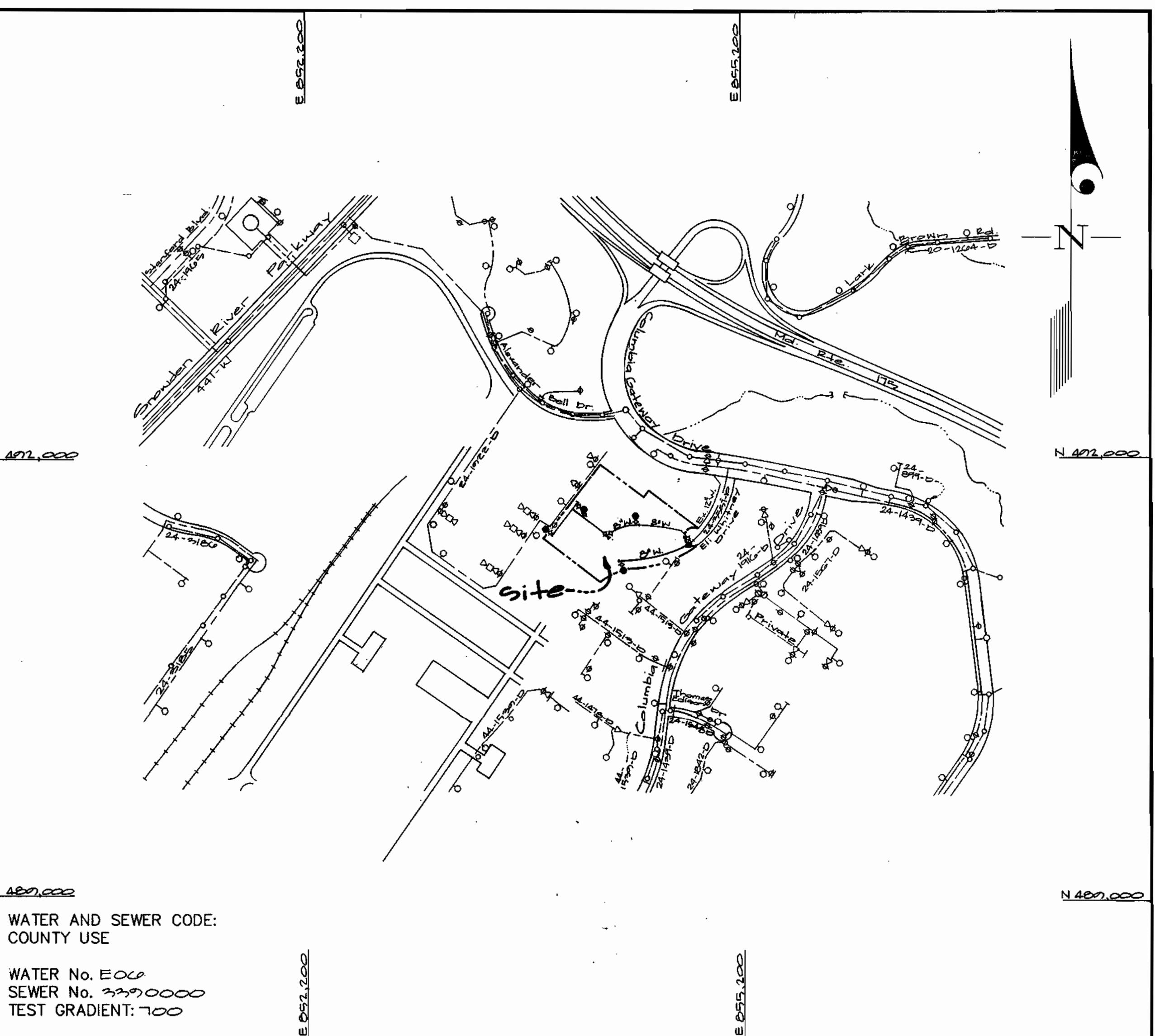


ITEMS	QUANTITIES		
	QUANTITIES ESTIMATED	AS-BUILT	MANUFACTURER/ SUPPLIER
ft Water	82 LF	81 LF	DITTO
ft Water	1705 LF	1534 LF	ATLANTIC STATES MUELLER CO.
ft Valve	7	7	"
Fire Hydrant & Valve	4	4	DITTO
10" x 8" Reducer	1	1	"
8" Cap & Buttress	3	3	"
8" x 6" FHT	4	4	"
8" x 6" Tee	5	5	UNION FOUNDRY
8" 1/2 Bend	1	1	DITTO
8" 1/2 Bend	2	2	"
8" Coupler	10 LF	720.44	JM MANUFACTURING
6" SEWER PVC		160	DITTO
MH MANHOLES		5	ATLANTIC C.A.I.
12" x 8" TS + V	1 ea		
8" x 6" TS + V	1 ea		

NAME OF UTILITY CONTRACTOR:

SURVEY AND CHECKBOX:.....  
DRAFTING DIV. AS-BUILT DATE:....12/2/98



VICINITY MAP  
SCALE: 1"=600'

TYPE OF BUILDING	office/light warehouse
NUMBER OF UNITS	3
NUMBER OF S.H.C.'s	1
NUMBER OF W.H.C.'s	3
DRAINAGE AREA	Little Patuxent
TREATMENT PLANT	Little Patuxent Water Quality Management Center Davies, Maryland

#### 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 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	531-5533
BGE Contractor Services	850-4620
BGE 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 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. Clrs 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 & with Road Drawing Plan 000-000; Drawing 1-01. for Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

*John R. Roberts* 5/6/98  
DATE

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:  
*George Simmers* 5/6/98  
Date

CONTRACT No.  
Gateway Commerce Center  
Parcel A-08  
HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING

GLW GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3509 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866

TEL: (410) 880-1820 ~ FAX: (301) 421-4186



DES: WSJ / BSL

DRN: WSJ

CHK: GAH

DATE: Apr 1998

firm: \_\_\_\_\_

BY NO: \_\_\_\_\_

Key vicinity map & quantities attached

REVISION: \_\_\_\_\_

DATE: \_\_\_\_\_

600' SCALE MAP NO. 423 BLOCK NO. 1

Title Sheet

WATER & SEWER AS-BUILT

J.H. 9/10/98

GLW FILE No. 98011

Gateway Commerce Center  
Parcel A-08

6th Election District Howard County, Maryland

Contract No. 24-3604-D

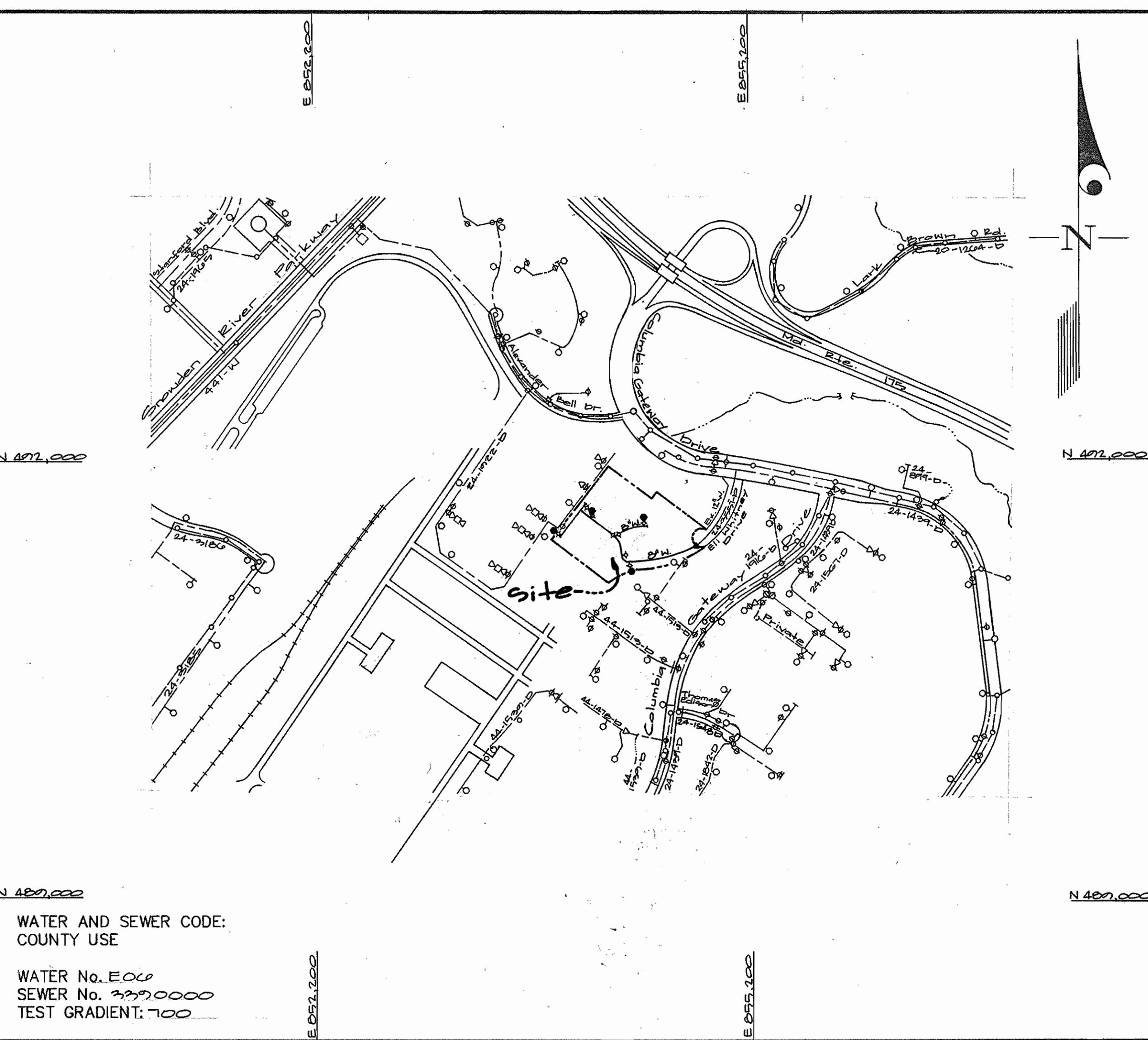
SCALE AS SHOWN

Sheet 1 of 5

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/ SUPPLIER
6" Water	82 L.F.	81 L.F.	DITTO	
6" Water	1532 L.F.	1534 L.F.	ATLANTIC STATES MUELLER CO.	
6" Valve	7	7		
Fire Hydrant & Valve	4	4	DITTO	
12" x 6" Reducer	1	1	"	
6" Cap & Buttress	3	3		
6" x 6" FHT	4	4	"	
6" x 6" Tee	5	5	UNION FOUNDRY	
6" Vice Bend	1	1	DITTO	
6" Vice Bend	2	2	"	
6" Sewer	10 L.F.	720.44	J.M. MANUFACTURING	
6" SEWER PVC	160	5	DITTO	
MH MANHOLES			ATLANTIC C.A.I.	

NAME OF UTILITY CONTRACTOR:

SURVEY AND CHECKBOX:.....  
DRAFTING DIV. AS-BUILT DATE: 12/2/98



VICINITY MAP

SCALE: 1"=600'

CONTRACT No.

Gateway Commerce Center

Parcel A-68

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

John R. Blutson 5/6/98  
SIGNATURE DATE

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:  
Cheryl Simmonds 5/6/98  
HOA 5/6/98 NRCS Date

TYPE OF BUILDING	Office/Light Warehouse
NUMBER OF UNITS	3
NUMBER OF S.H.C.'s	1
NUMBER OF W.H.C.'s	3
DRAINAGE AREA	Little Patuxent
TREATMENT PLANT	Little Patuxent Water Quality Management Center, Maryland

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.
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BGE Contractor Services	850-4620
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Miss Utility	1-800-257-7777
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Howard County Department of Public Works	
Bureau of Utilities	313-4900

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PART II - WATER

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PART III - SEWER

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- Force mains shall be D.I.P. only.
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- Houses(s) with the symbol "C.N.S." indicates that cellar cannot be served.

WATER & SEWER AS-BUILT

J.H 9/12/98

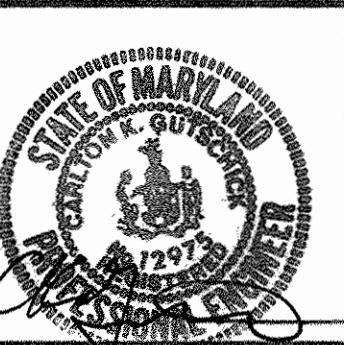
GLW FILE No.  
98011

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	CHIEF, BUREAU OF UTILITIES DATE
DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND	CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.

CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK - BURTONSVILLE, MARYLAND 20866

TEL: (410) 880-1820 ~ FAX: (301) 421-4186



DES: WSJ/BSL

DRN: WSJ

CHK: GAH

DATE: Apr 1998

BY: NO

REVISION

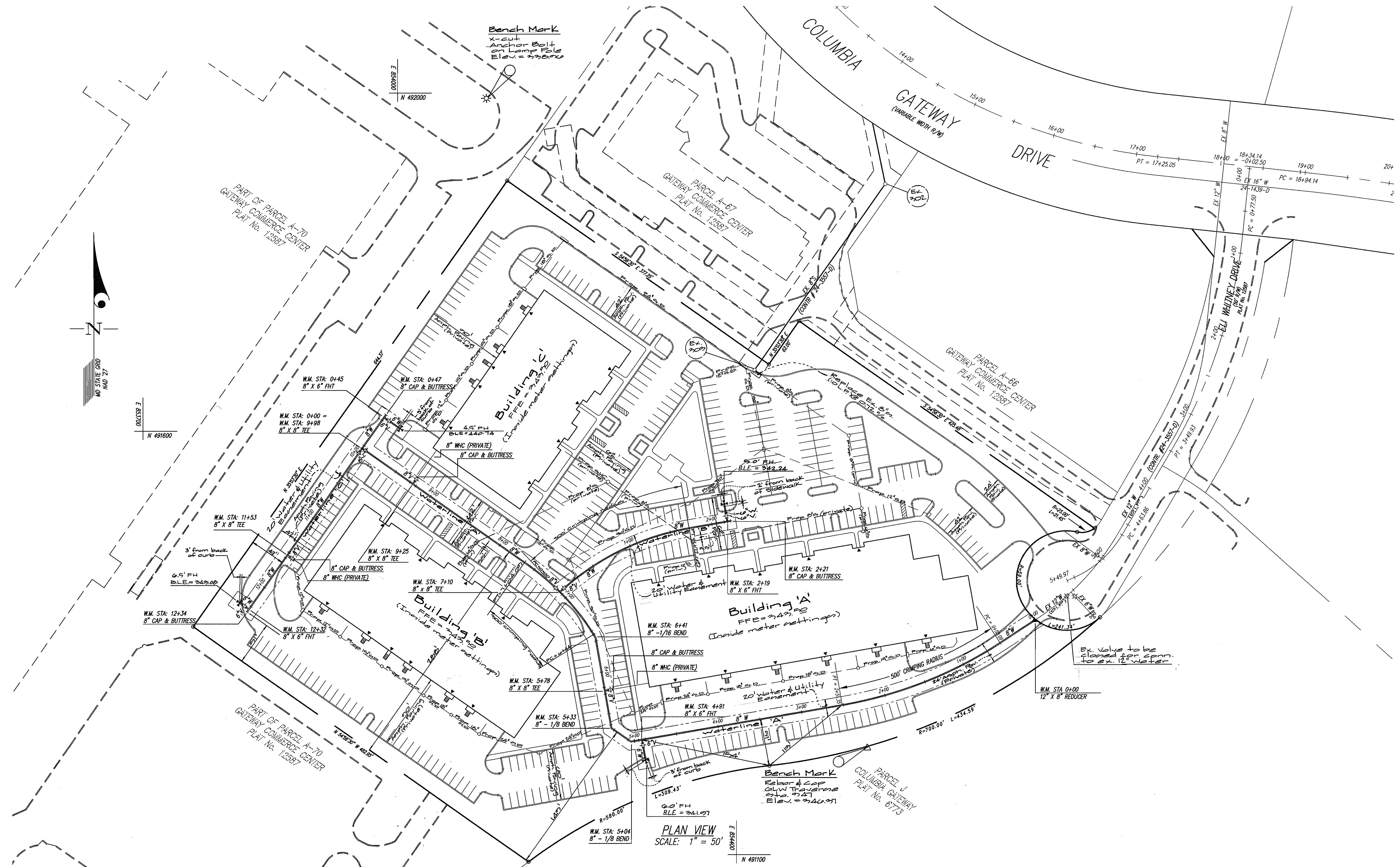
DATE

600' SCALE MAP NO. 43 BLOCK NO. 1

Title Sheet

Gateway Commerce Center  
Parcel A-68  
6th Election District Howard County, Maryland  
Contract No. 24-36084-D

SCALE AS SHOWN  
SHEET 1 OF 3

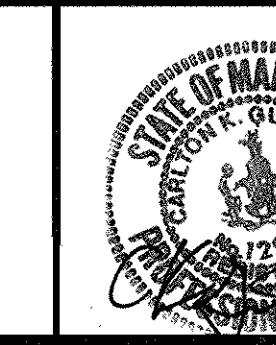


**DEPARTMENT OF  
PUBLIC WORKS  
EDWARD COUNTY, MARYLAND**

**DEPARTMENT OF  
PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND**

**GLW GUTSCHICK LITTLE & WEBER, P.A.**

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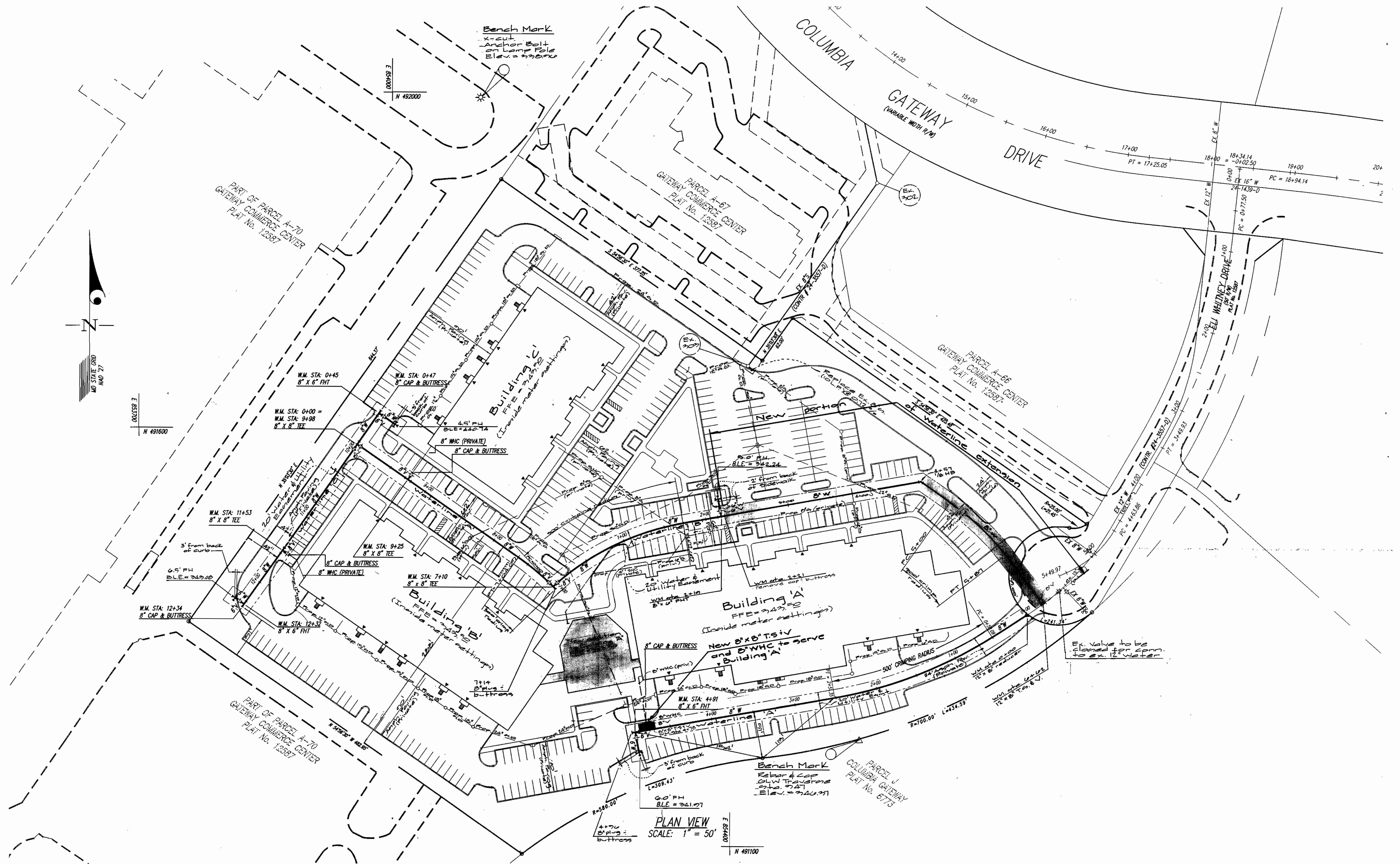


	DES: WSJ/ BSL			
	DRN: WSJ			
	CHK: GAH			
	DATE: Apr 1998	BY	NO	REVISION
				D

# PUBLIC WATER MAIN CONSTRUCTION PLANS

**GATEWAY COMMERCE CENTER**  
**PARCEL A-68**  
**CONTRACT No. 24-3084-D.**

SCALE  
AS  
SHOWN



**DEPARTMENT OF  
PUBLIC WORKS  
HOWARD COUNTY, MARYLAND**

**DEPARTMENT OF  
PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND**

**GLW GUTSCHICK LITTLE & WEBER, P.**  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MARYLAND 20866  
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4025



DES: WSJ BSL			
DRN: WSJ			
CHK: GAH			
MCP	New sheet		
DATE: Apr. 1998	BY	NO	REVISION

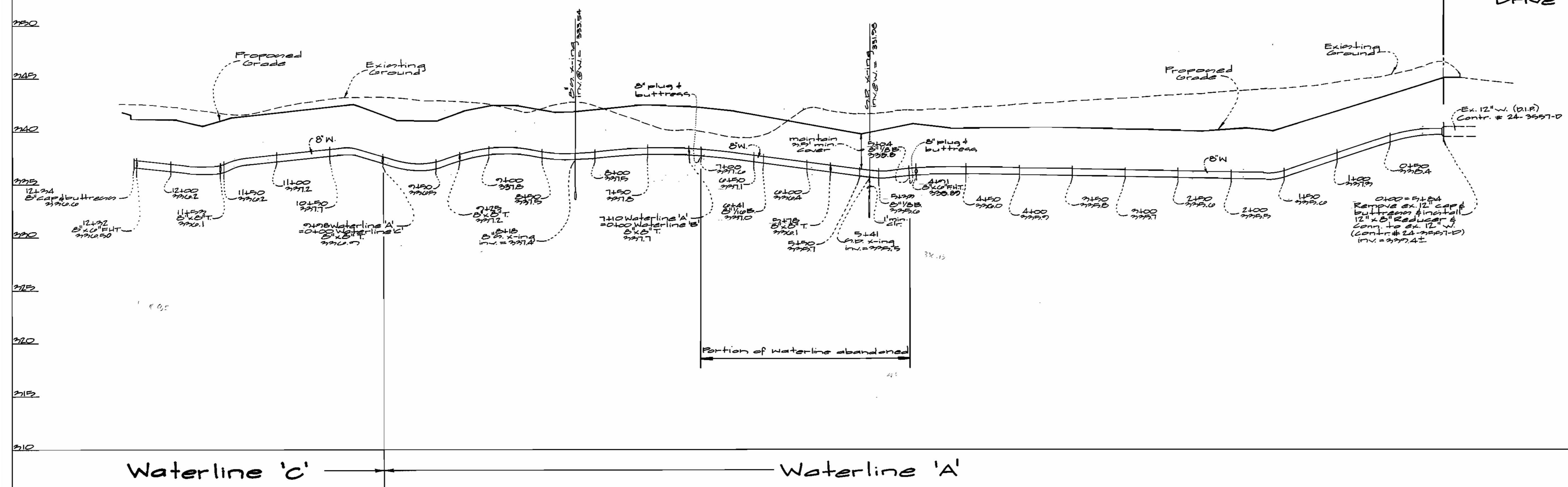
**PUBLIC WATER MAIN  
CONSTRUCTION PLANS**

**GATEWAY COMMERCE CENTER**  
**PARCEL A-68**  
**CONTRACT No. 24-3004-A-D**

SCALE  
AS  
SHOWN

Parcel A-CB

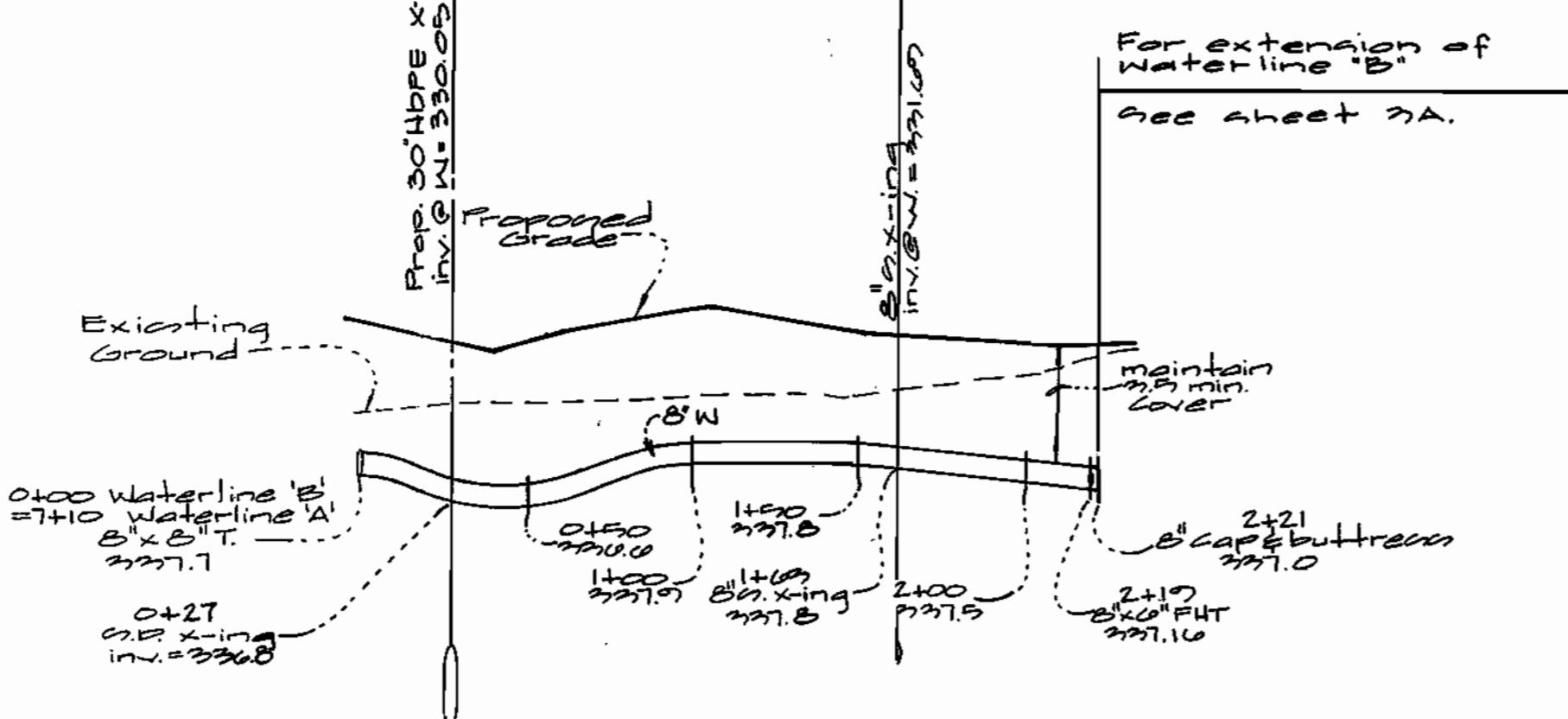
Eli Whitney  
Drive



Waterline 'C'

Waterline 'A'

Parcel A-CB

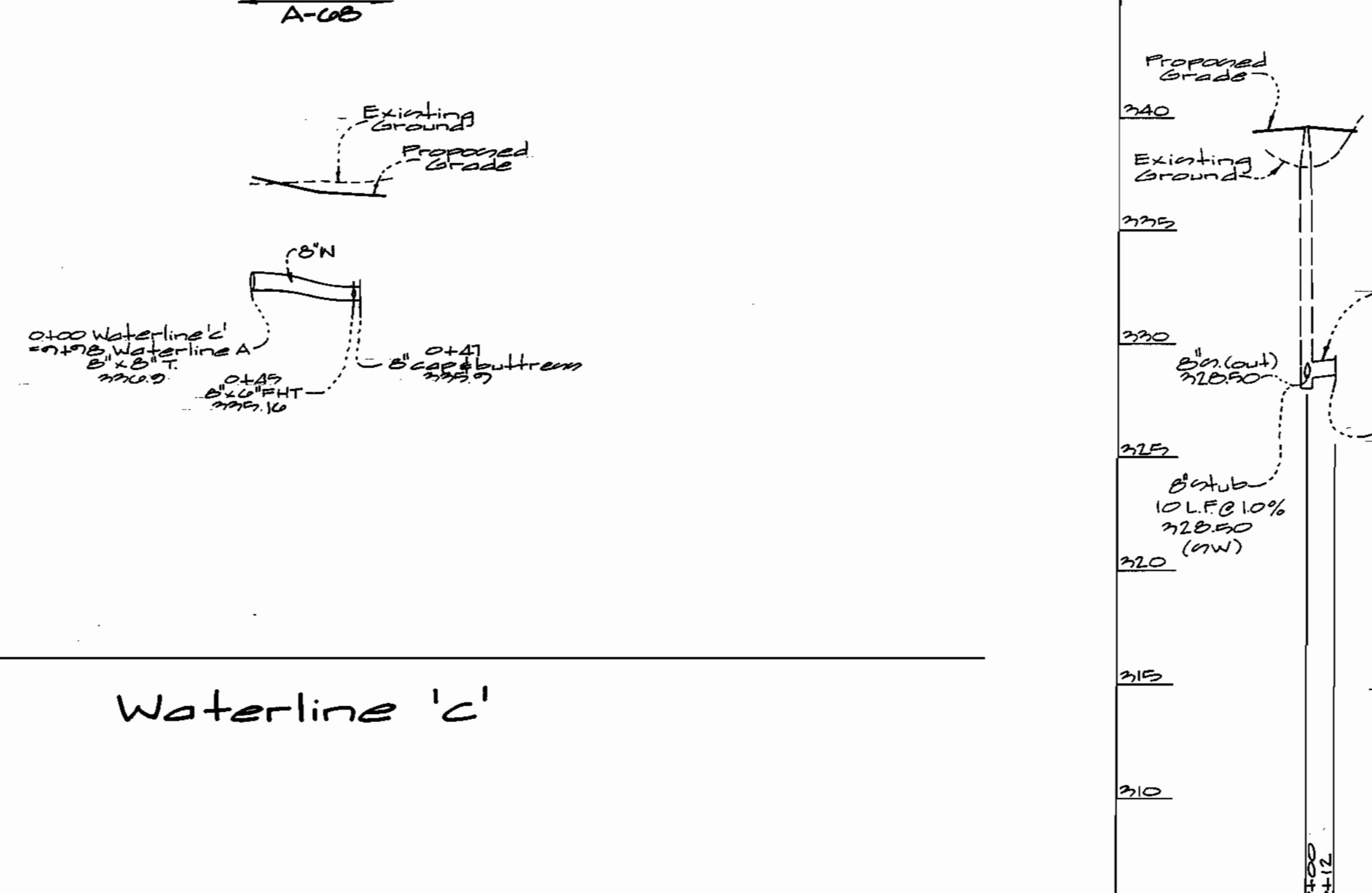


Waterline 'B'

Waterline 'C'

Parcel A-CB

(Ex.)



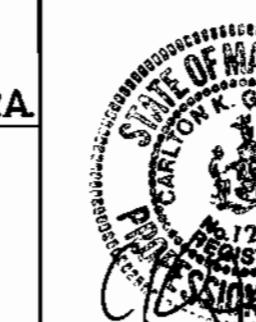
Sewer Profile  
scale: 1'=50' Horz.  
1"=5' Vert.

WATER & SEWER AS BUILT

Department of Public Works  
Howard County, Maryland

Department of Planning & Zoning  
Howard County, Maryland

**GLW GUTSCHICK LITTLE & WEBER, PA**  
ENGINEERS, PLANNERS, SURVEYORS



DES: WOJ/BSL

DRN: WOJ

CHK: GAH

DATE: Apr 1998	fmm:	Delinquent portion of waterline to be abandoned	1/1/00
BY NO.	REVISION		

Water Profiles  
scale:  
Vertical: 1"=5'  
Horizontal: 1'=50'

Gateway Commerce Center  
Parcel A-CB

4th Election District Howard County, Maryland

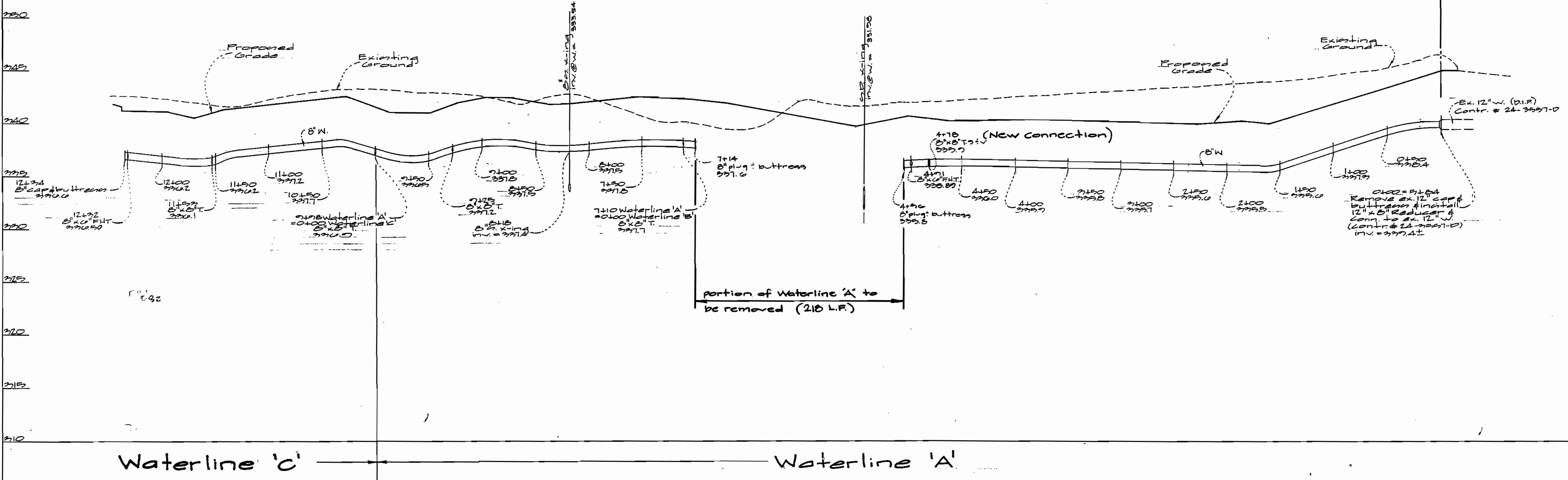
Contract No. 24-3684-D

SCALE  
AS  
SHOWN

1 OF 5

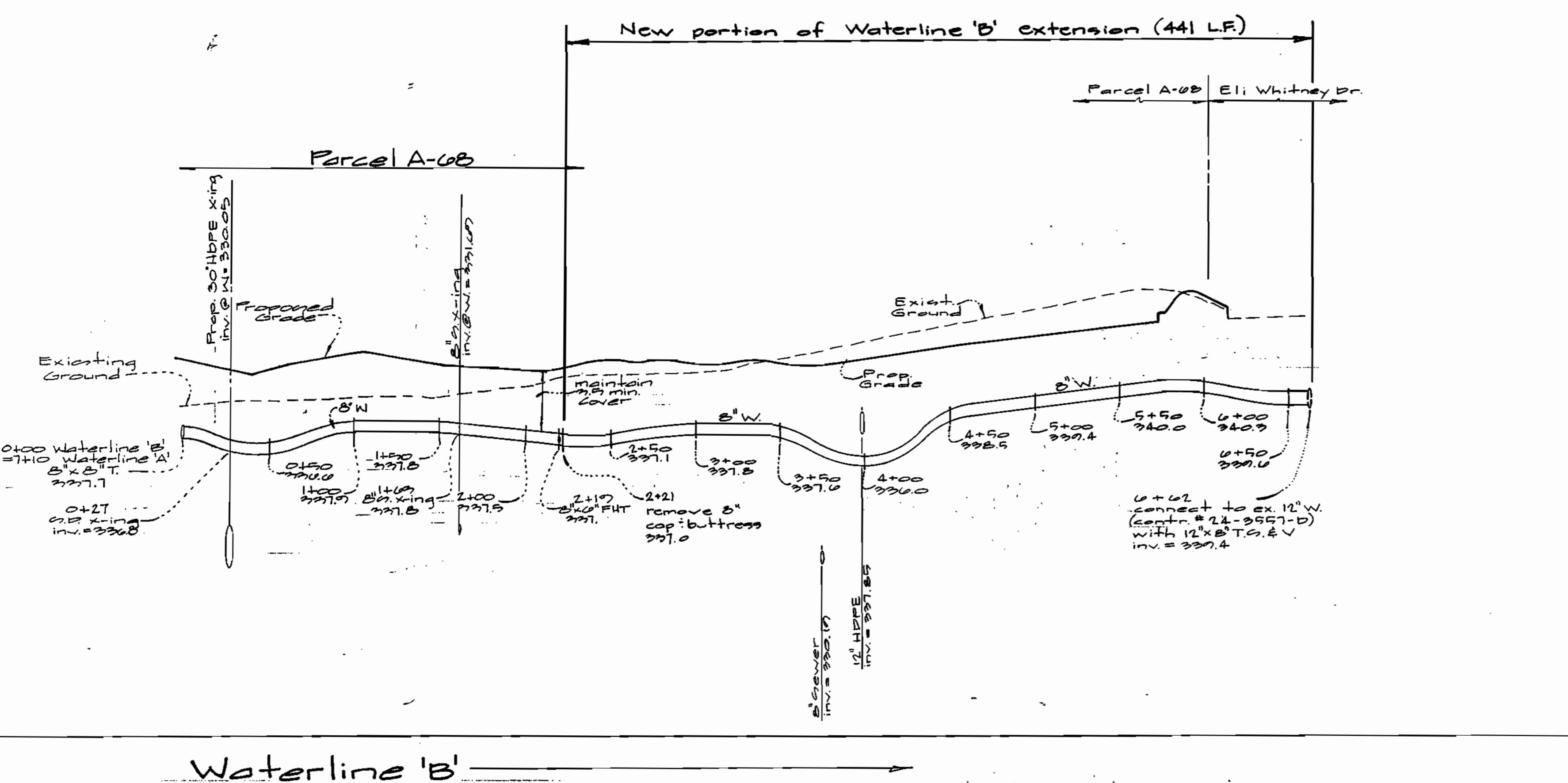
Parcel A-08

Eli Whitney  
Drive



Waterline 'C'

Waterline 'A'

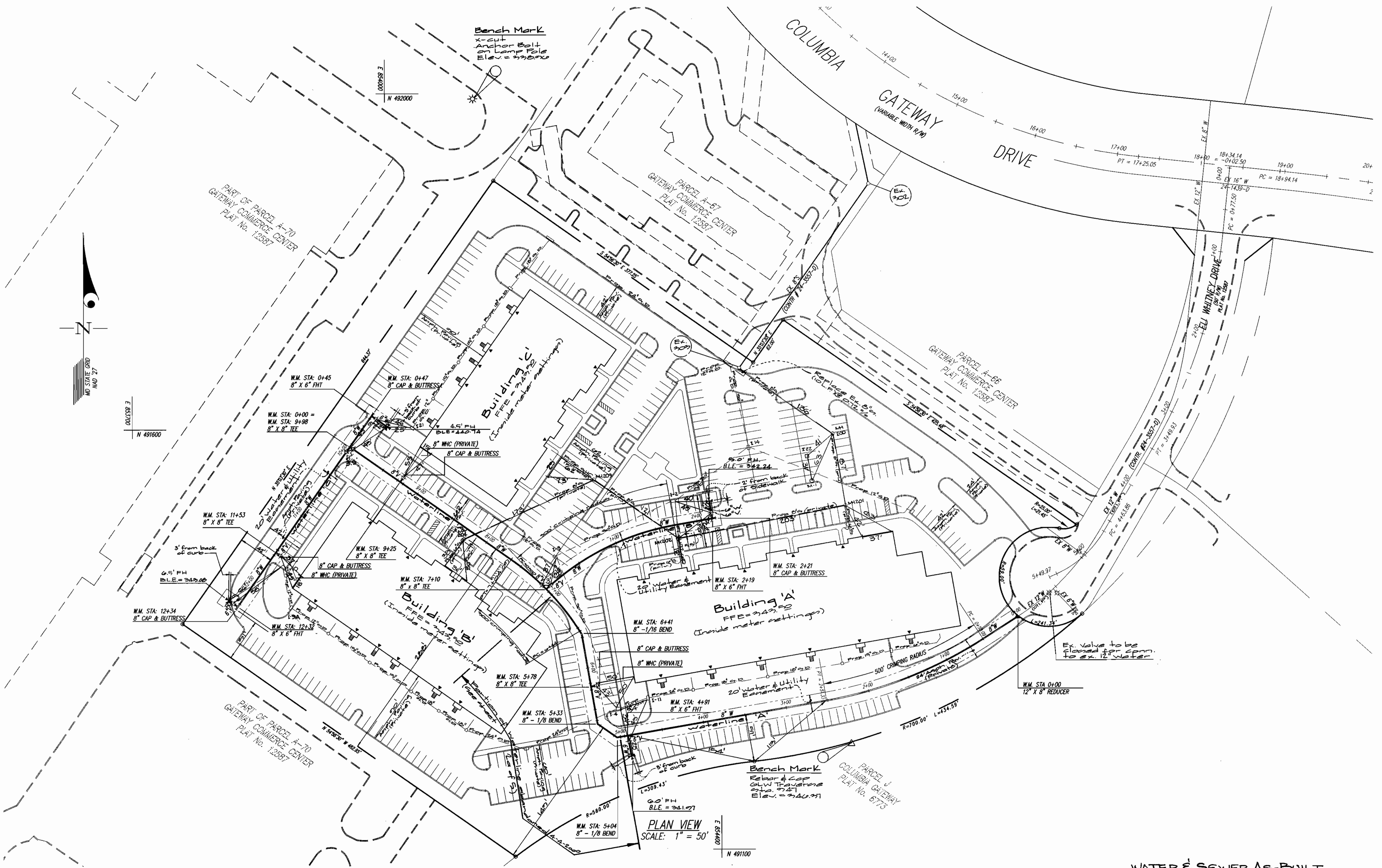


Waterline 'B'

EX.  
330

Proposed  
Grade

Existing  
Ground

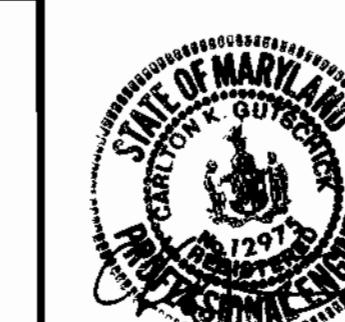


**DEPARTMENT OF  
PUBLIC WORKS  
HOWARD COUNTY, MARYLAND**

**DEPARTMENT OF  
PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND**

# GLW GUTSCHICK LITTLE & WEBER, P.A.

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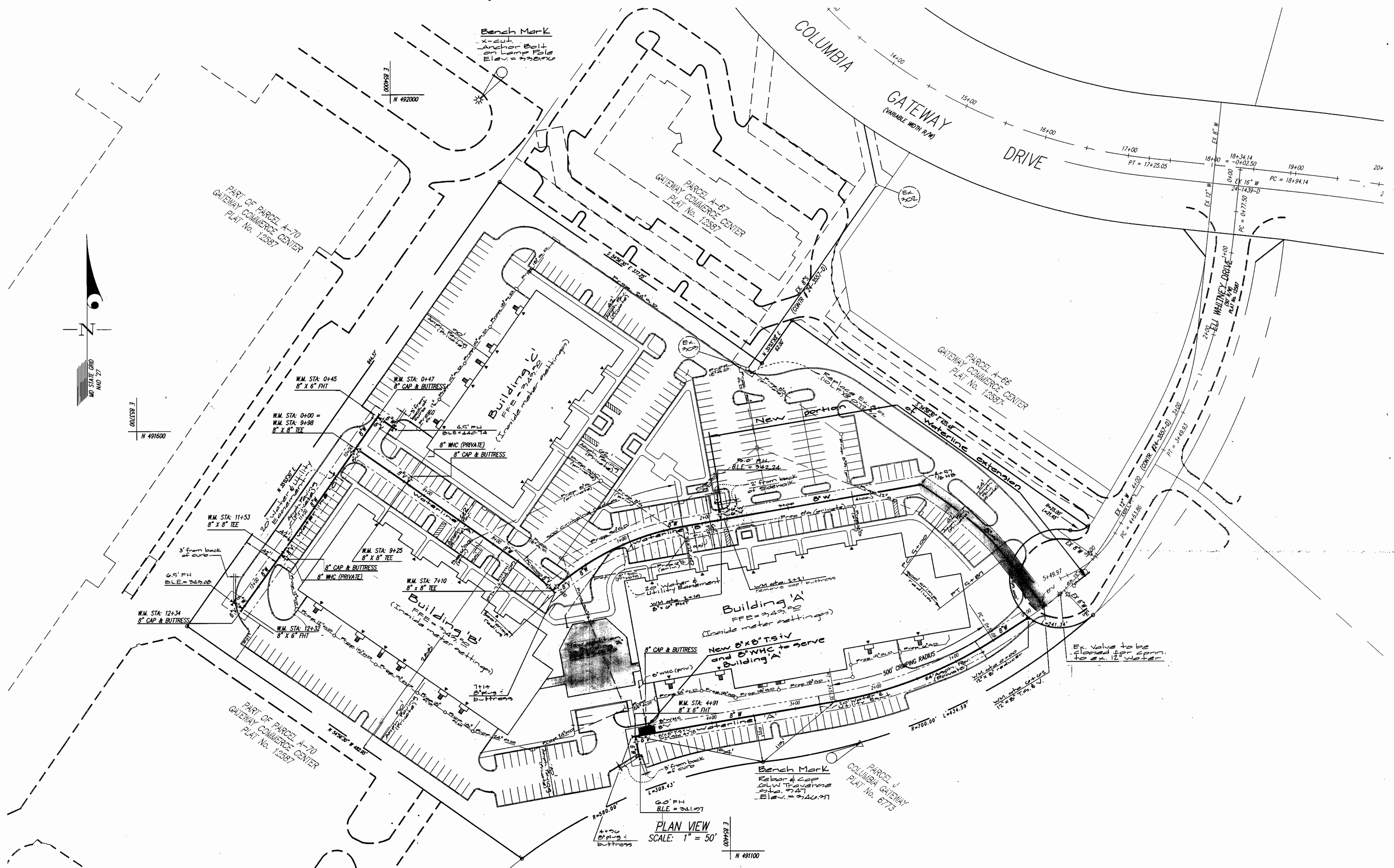


DES: WSJ/ BSL			
DRN: WSJ			
CHK: GAH			
DAT: Apr	f.m.m.	delineate waterline to be abandoned	4/4/00

*PUBLIC WATER MAIN  
CONSTRUCTION PLANS*

WATER & SEWER AS-BUILT  
**GATEWAY COMMERCE CENTER**  
PARCEL A-68  
CONTRACT No 24-3034-D

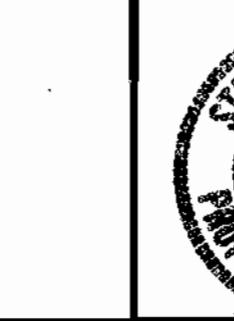
SCALE  
AS  
SHOWN



**DEPARTMENT OF  
PUBLIC WORKS  
WARD COUNTY, MARYLAND**

**DEPARTMENT OF  
PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND**

**GLW GUTSCHICK LITTLE & WEBER, P.A.**



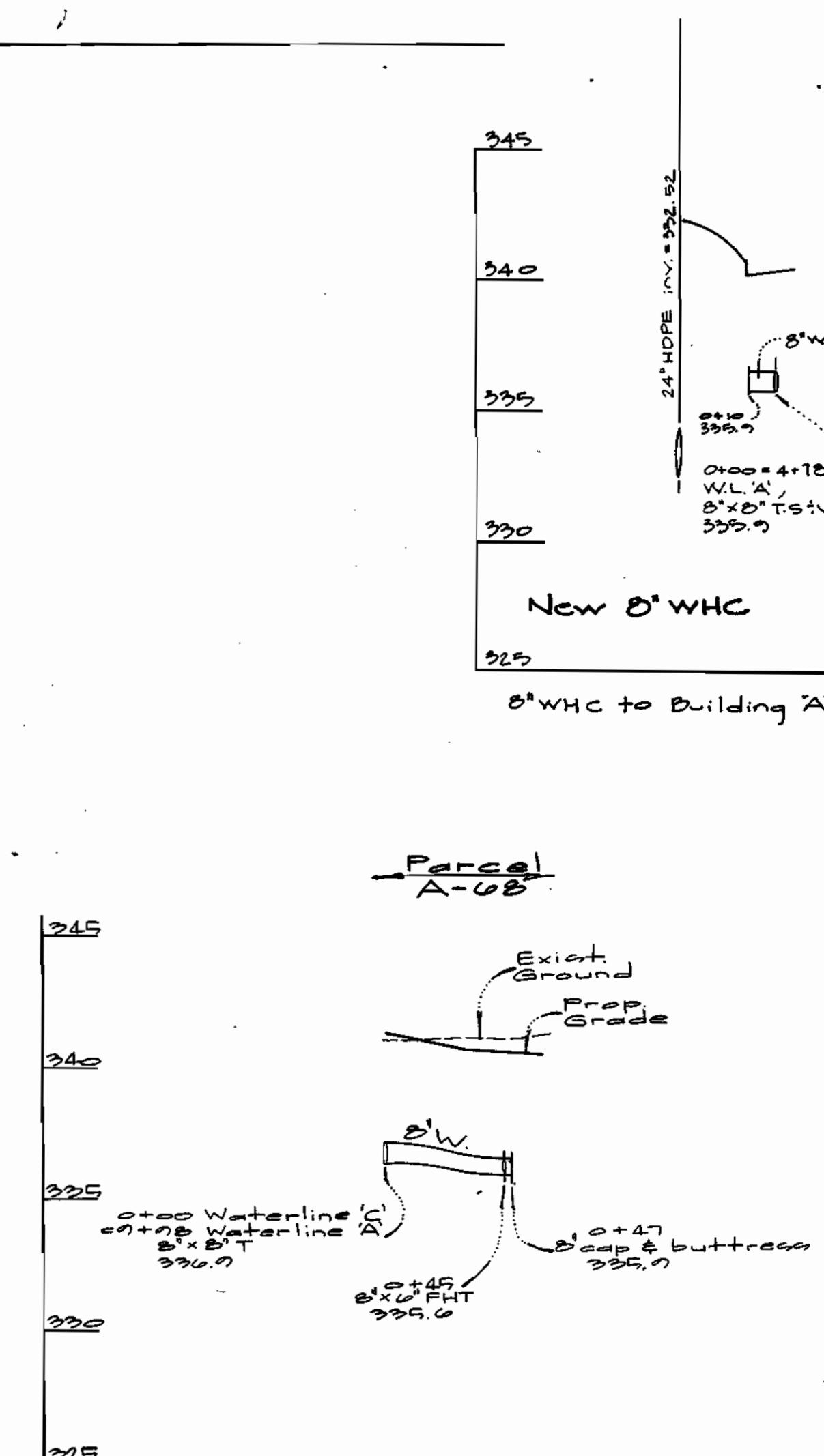
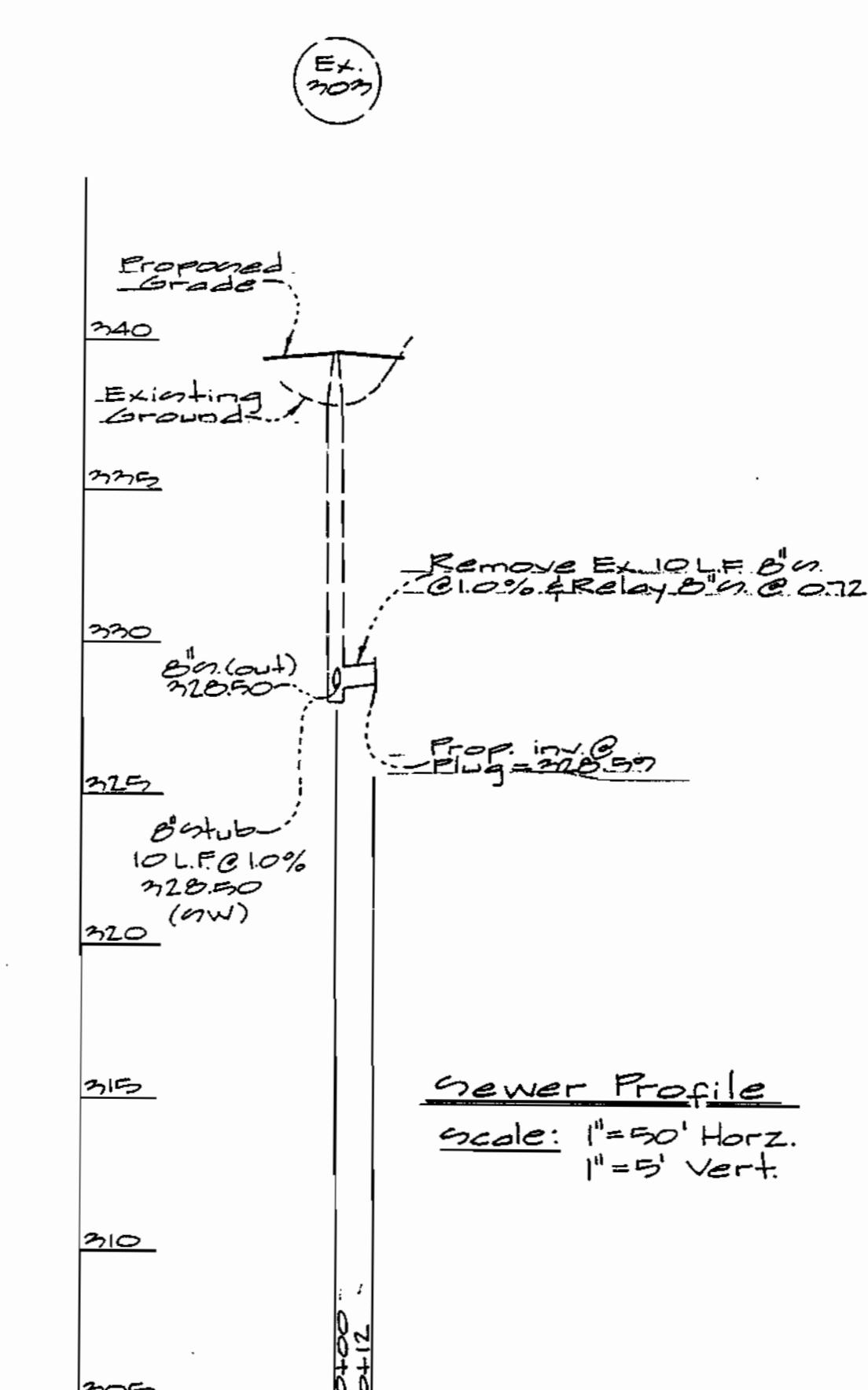
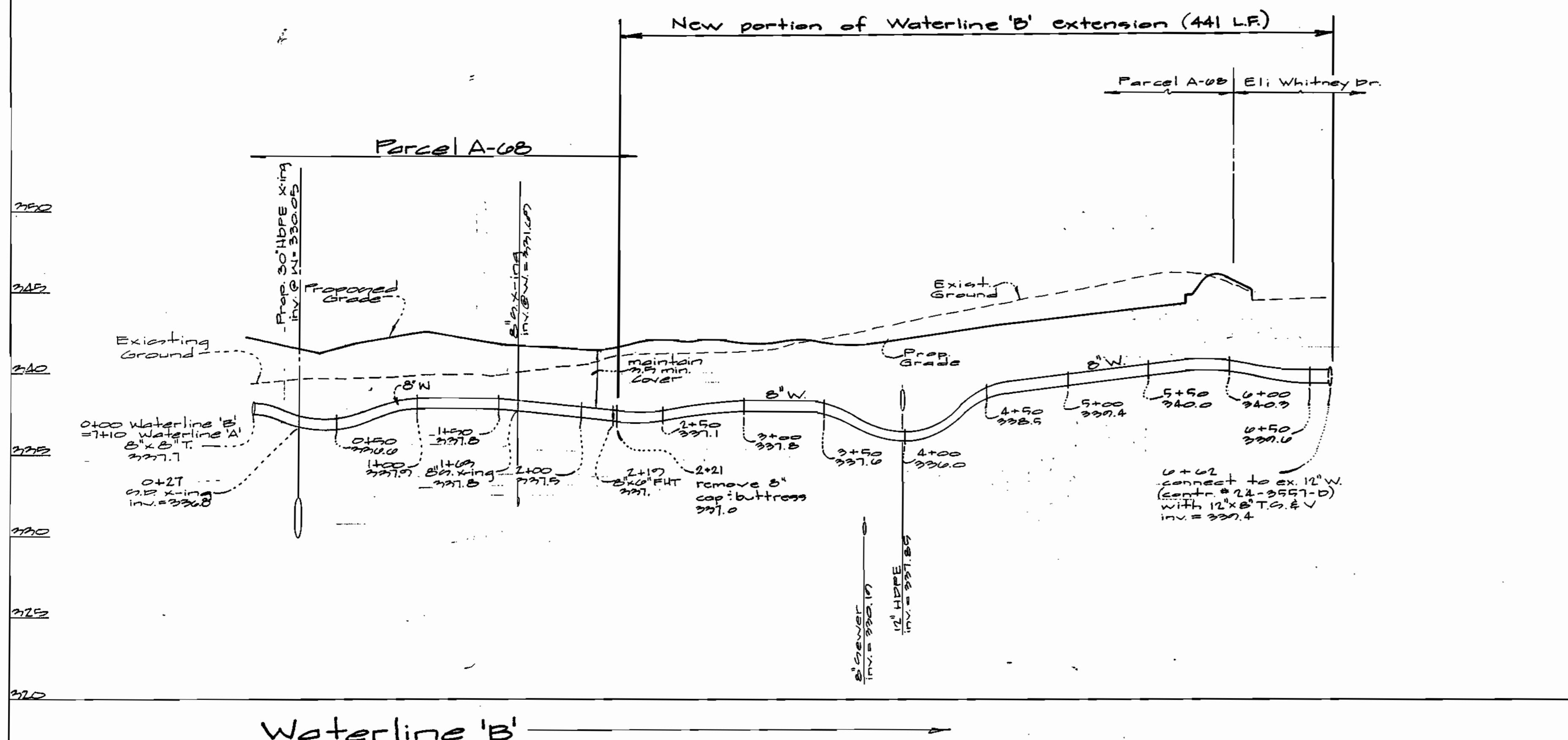
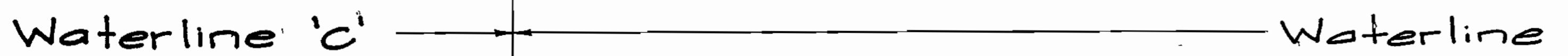
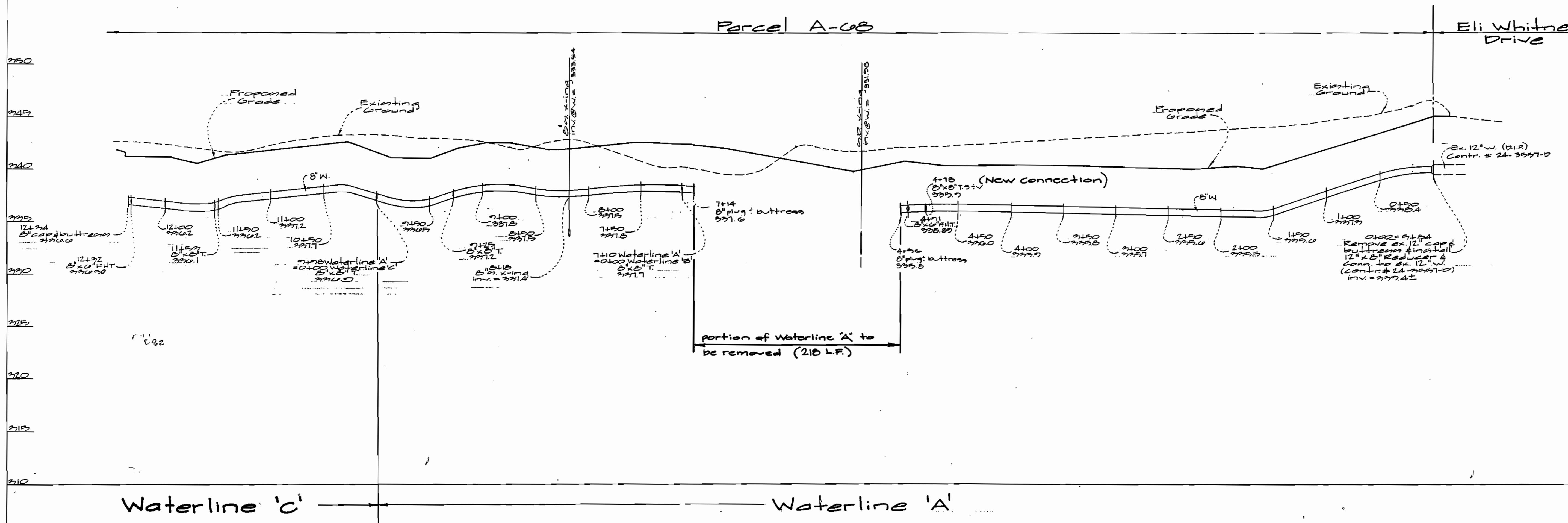
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	DRN: W3J			
	CHK: GAH			
	DATE: Apr 1998	MCP	New sheet	3,
	BY	NO	REVISION	D

*PUBLIC WATER MAIN  
CONSTRUCTION PLANS*

**GATEWAY COMMERCE CENTER**  
**PARCEL A-68**  
CONTRACT No. 24-3084-A-D

SCALE  
AS  
SHOWN

SHEET  
2a OF 5

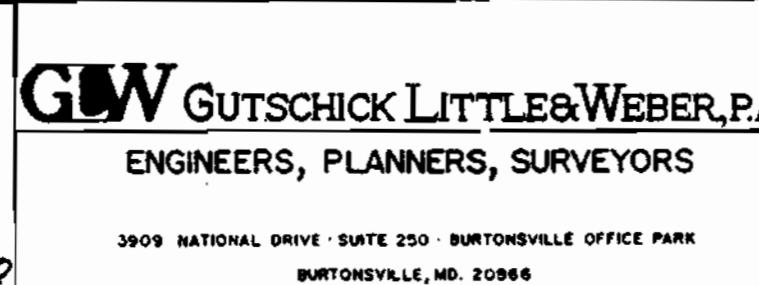


Department of Public Works

Howard County, Maryland

Department of Planning & Zoning

Howard County, Maryland



A circular stamp with a decorative border containing the text "STATE OF MAINE" at the top and "CENTRAL PRISON" at the bottom. In the center is a profile of a person, likely a convict, facing left. The date "AUGUST 20 1903" is stamped across the bottom. The word "PRISON" is partially visible on the right side.

DES: W011 B01			
DRN: W01			
CHK: GAH			
DATE: Apr. 1998	MCF	New Sheet	3/23/00
	BY NO.	REVISION	DATE

Water Profile  
Scale:  
Vertical: 1" = 5'  
Horizontal: 1" = 50'

## Water Profile

**Gateway Commerce Center**  
Parcel A-68  
6<sup>th</sup> Election District      Howard County, Maryland

SCALE  
AS  
SHOWN