			QUANT	TITIES			
		AS-BUILT					
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER /SUPPLIER			
8" W.	1155						
6" W.	42						
8″ 1⁄8 HB	3						
8" 1/4 HB	1						
8" X 8" TEE	1						
8" X 6" TEE	4						
8" VALVE	2						
6" VALVE	4						
8" CAP	2						
6" CAP	2						
FIRE HYDRANT	2						
IAME OF UTILITY	CONTRACTOR:						

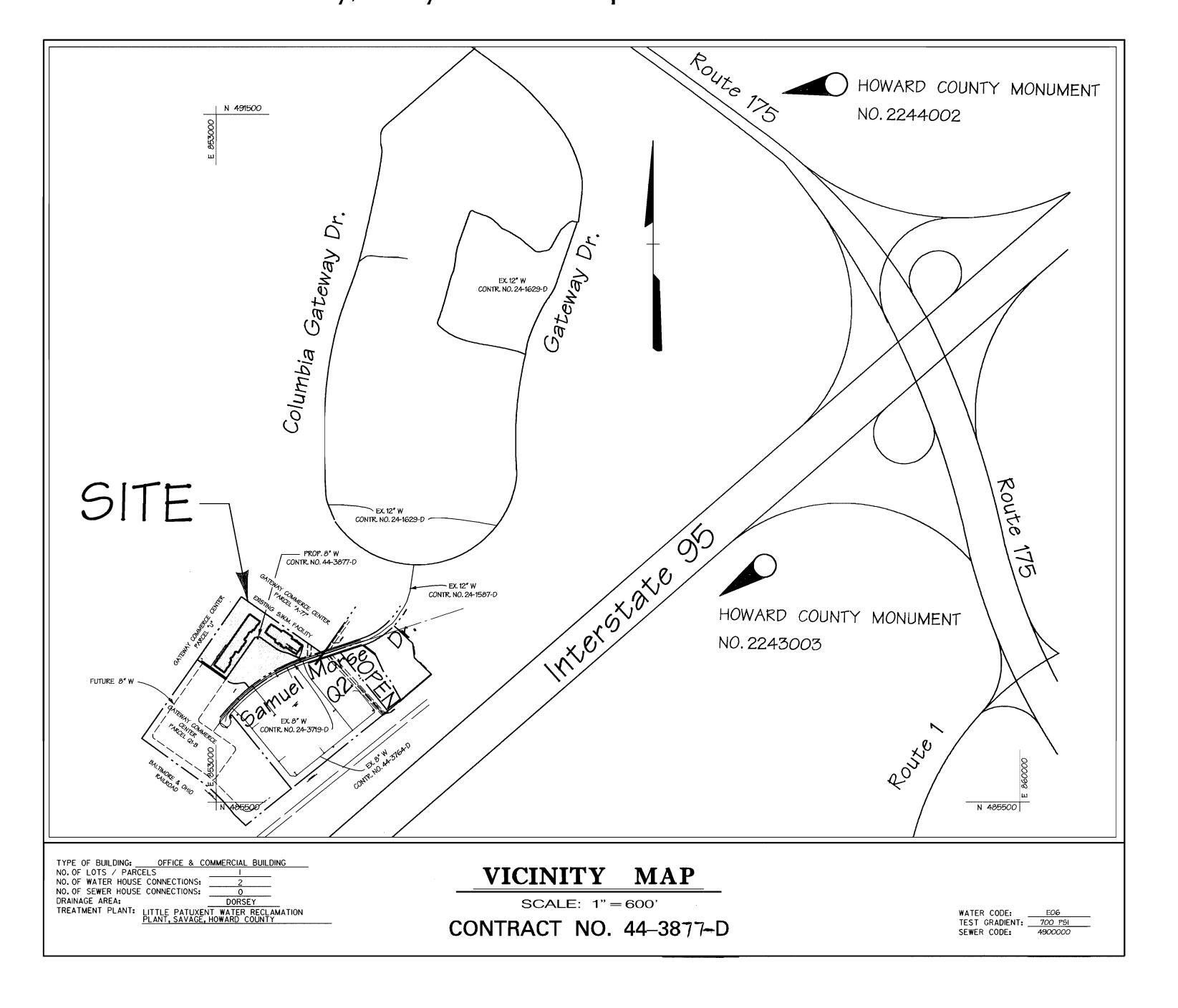
Contract No. 44-3877-D

COLUMBIA GATEWAY

PARCEL Q – 3

WATER CONSTRUCTION PLANS

Howard County, Maryland Department of Public Works



GENERAL NOTES

- 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.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS. 5. 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 CORRDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME
- 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
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 CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

 STATE HIGHWAY ADMINISTRATION (410) 531-5533

 BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES (410) 850-4620

 BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL (410) 291-4607

 MISS UTILITY 1-800 257-7777

 COLONIAL PIPELINE CO. (410) 549-4120

 BUREAUL OF UTILITIES HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS (410) 313-49 BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - (410) 313-4900
- BELL ATLANTIC- I-800-446-5266 9. 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
- IO. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION.
 PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR
- II. GENERAL NOTES (SEE ATTACHED)
- 12. 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 IN COUNTY ROADSFOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18,114(a) OF THE HOWARD COUNTY CODE.

- 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.

 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

 5. 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 1003 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER
- 7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- 8. ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153 DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND OTHER LIQUIDS.
 9. ALL EXISTING VALVES TO BE CLOSED WHEN CONNECTION TO THE SYSTEM IS MADE.

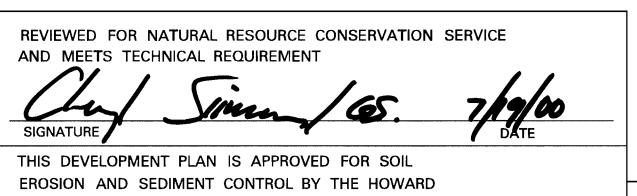
BENCHMARK

DESCRIPTION

NO. 2244002 - HOWARD COUNTY MONUMENT

NO. 2243003 - HOWARD COUNTY MONUMENT

	SHEET INDEX
SHEET No.	DESCRIPTION
1	TITLE SHEET
2	WATER PLAN
3	WATER PROFILE



SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND SITE DEVELOPMENT PLAN SDP- 00-132

Environmental Professionals

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

Daft·McCune·Walker, Inc. A Team of Land Planners, 200 East Pennsylvania Avenue Landscape Architects, Towson, Maryland 21286 Engineers, Surveyors & 410 296 3333

Fax 296 4705



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	WHJ CHECKED BY:			TITLE SHEET
	TJR III			
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	DATE:			

TITLE SHEET

Columbia Gateway Office & Commercial Buildings Parcel Q-3 - Columbia Gateway, 6th Election District, Howard County, Maryland

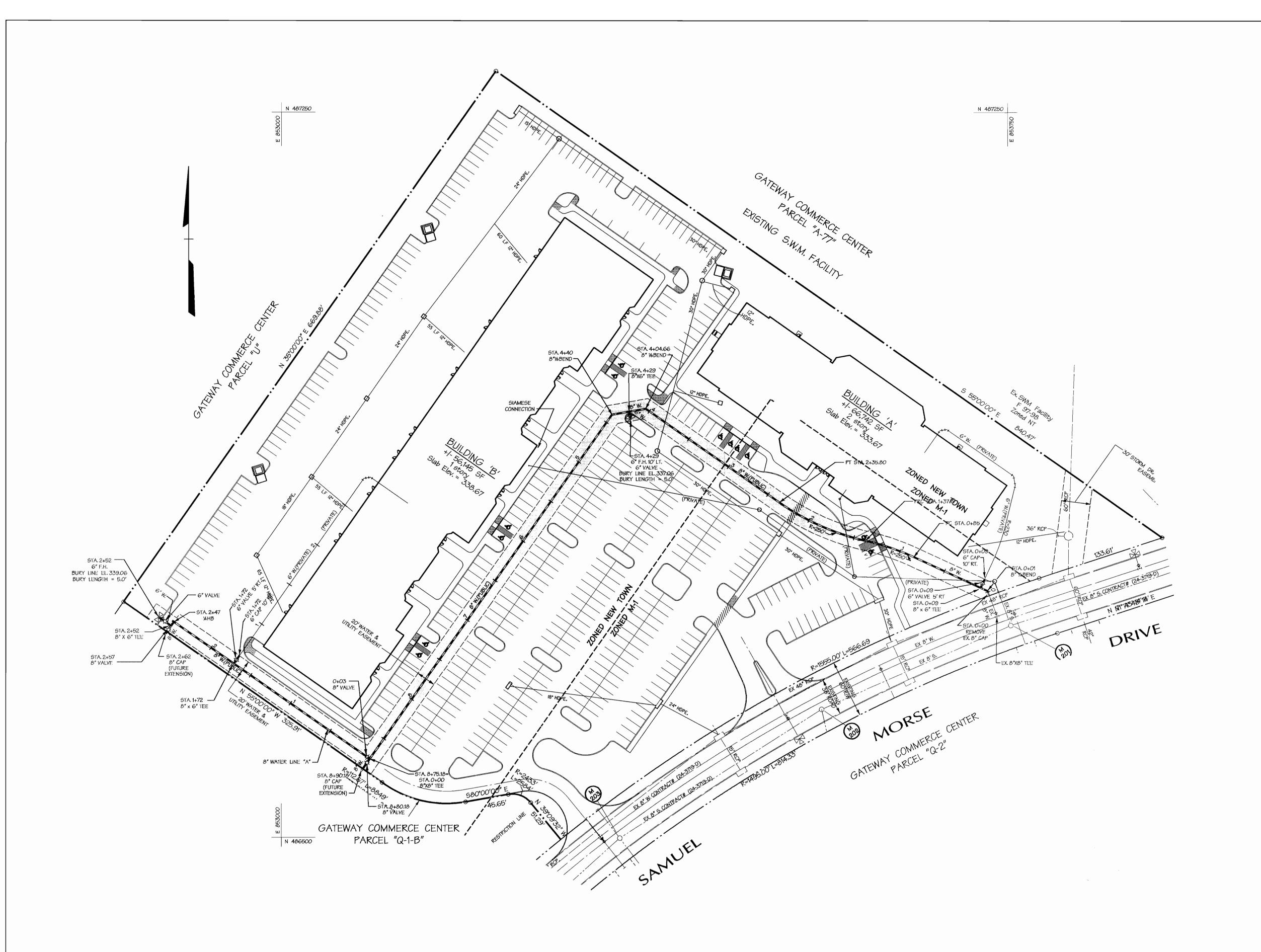
CONTRACT NO. <u>44-3877-D</u>

OWNER: THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION

10275 LITTLE PATUXENT PARKWAY

DEVELOPER: AAK III, LLC 8805 COLUMBIA 100 PKWY SUITE 101 1 OF 3 COLUMBIA, MD 21045

SHOWN



WATER MAIN S	TRUCTUR	RE SCHEDU	ILE
	COORE	DINATES	STATION
items	NORTH	EAST	
8" 1/8 BEND	+	+	0+01
PC 8" W.	486,790.4	853,653.4	0+85
PRC 8" W.	486,807.2	853,603.5	1+37.77
PT 8" W.	486,846.6	853,514.4	2+35.80
8" 1/8 BEND	486,943.7	853,376.3	4+04.66
8" 1/8 BEND	486,937.6	853,341.4	4+40
8" X 8" TEE	486,581.5	853,091.3	8+75.18
8" X 8" TEE	486,723.0	852,889.2	2+47 LINE "A"

+ TO BE LOCATED IN FIELD

CONTRACTOR TO TEST PIT TO DETERMINE ACTUAL LOCATION AND ELEVATION OF EXISTING 8" CAP PRIOR TO LAYING PIPE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

Daft·McCune·Walker, Inc. A Team of Land Planners,
Landscape Architects,
Engineers, Surveyors &
Environmental Professionals

200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax 296 4705

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KER International	DRAWN BY: WHJ						
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<u> </u>	TJR III				_		
	DATE:						
i.		BY	NO.	REVISION	DATE	600 SCALE MAP NO. 42 & 43 BLOCK NO. 12 & 7	

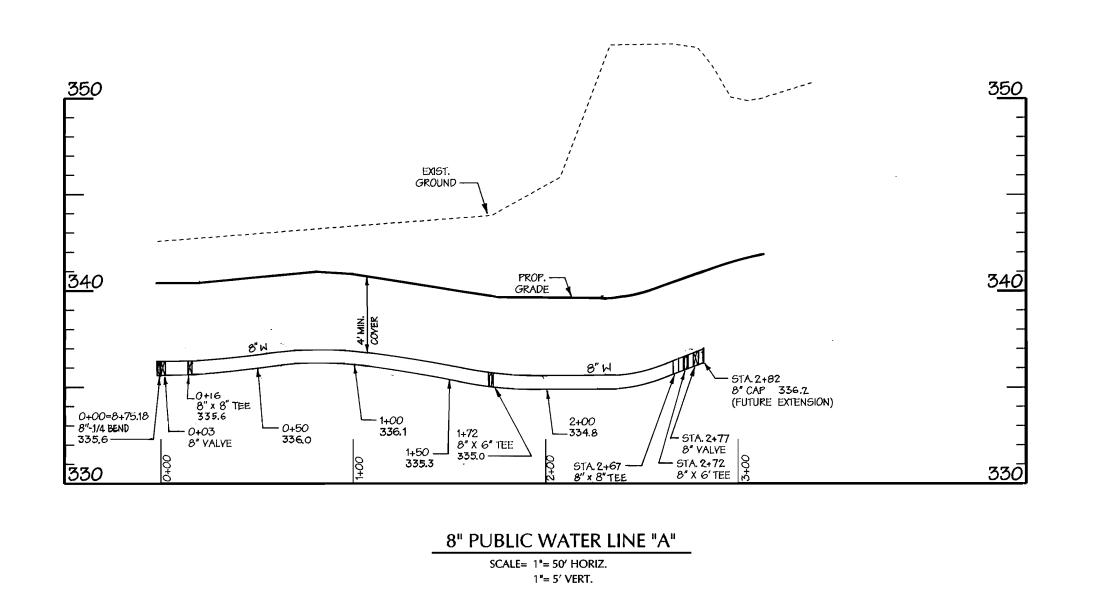
Columbia Gateway
Office & Commercial Buildings

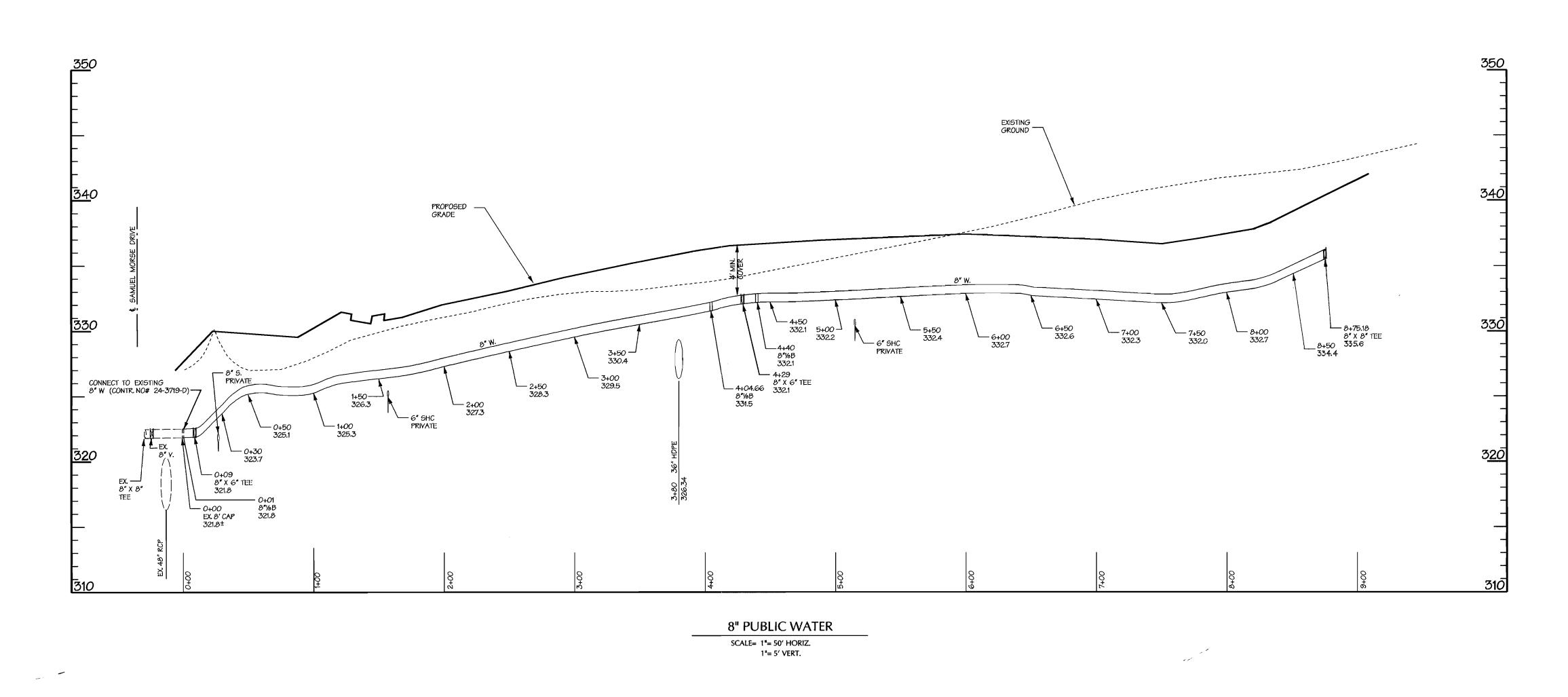
Parcel Q - 3 - Columbia Gateway, 6th Election District, Howard County Maryland OWNER:THE HOWARD RESEARCH
AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044 CON CONTRACT NO. <u>44-3877-D</u>

DEVELOPER: AAK III, LLC 8805 COLUMBIA 100 PKWY SUITE 101 COLUMBIA, MD 21045

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SCALE





DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

Daft·McCune·Walker, Inc. A Team of Land Planners, 200 East Pennsylvania Avenue Landscape Architects, Towson, Maryland 21286 Engineers, Surveyors & 410 296 3333 Environmental Professionals Fax 296 4705



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	DRAWN BY: Whj					VALATED DI ANI	Office
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	DATE:	BY	NO.	REVISION	DATE	600 SCALE MAP NO. <u>42 & 43</u> BLOCK NO. <u>12 & 7</u>	AND DEVELOPMENT COR 10275 LITTLE PATUXENT I COLUMBIA, MD 21044

Columbia Gateway
Office & Commercial Buildings

Parcel Q - 3 - Columbia Gateway, 6th Election District, Howard County Maryland DEVELOPER: AAK III, LLC 8805 COLUMBIA 100 PKWY SUITE 101 COLUMBIA, MD 21045 OWNER:THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION

CONTRACT NO. <u>44-3877-D</u>

10275 LITTLE PATUXENT PARKWAY

AS SHOWN 3 OF 3

			QUAN	NTITIES		
		AS-BUILT				
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER /SUPPLIER		
8″ W.	1155					
6" W.	42					
8″ 1⁄8 HB	3					
8" 1/4 HB	1					
8" X 8" TEE	1					
8" X 6" TEE	4					
8" VALVE	2					
6" VALVE	4					
8" CAP	2					
6" CAP	2					
FIRE HYDRANT	2					
NAME OF UTILITY	CONTRACTOR:					

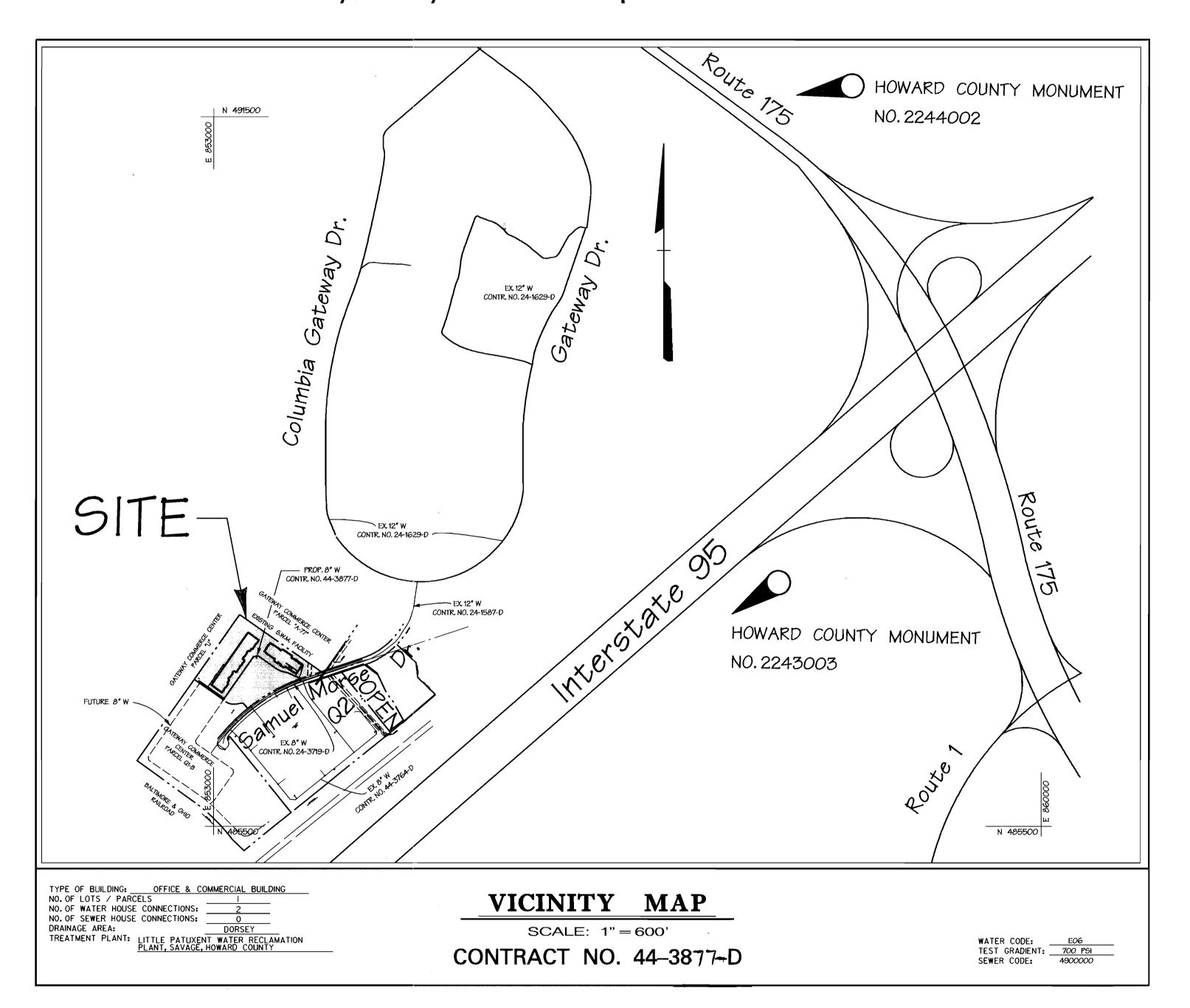
Contract No. 44-3877-D

COLUMBIA GATEWAY

PARCEL Q – 3

WATER CONSTRUCTION PLANS

Howard County, Maryland Department of Public Works



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.

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 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.

 5. 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 CORRDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
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- - COLONIAL PIPELINE CO. (410) 549-4120 BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - (410) 313-4900 BELL ATLANTIC- 1-800-446-5266
- 9. 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.
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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.

 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

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 DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND OTHER LIQUIDS. 9. ALL EXISTING VALVES TO BE CLOSED WHEN CONNECTION TO THE SYSTEM IS MADE.

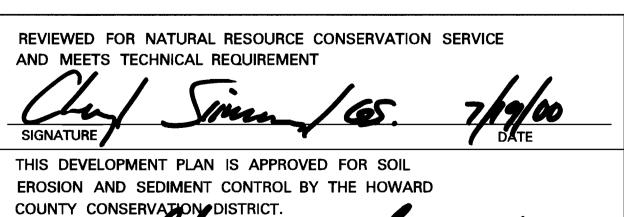
BENCHMARK

DESCRIPTION

NO. 2244002 - HOWARD COUNTY MONUMENT

NO. 2243003 - HOWARD COUNTY MONUMENT

	SHEET INDEX
SHEET No.	DESCRIPTION
1	TITLE SHEET
2	WATER PLAN
3	WATER PROFILE



HOWARD S.C.I

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND SITE DEVELOPMENT PLAN SDP- 00-132

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE



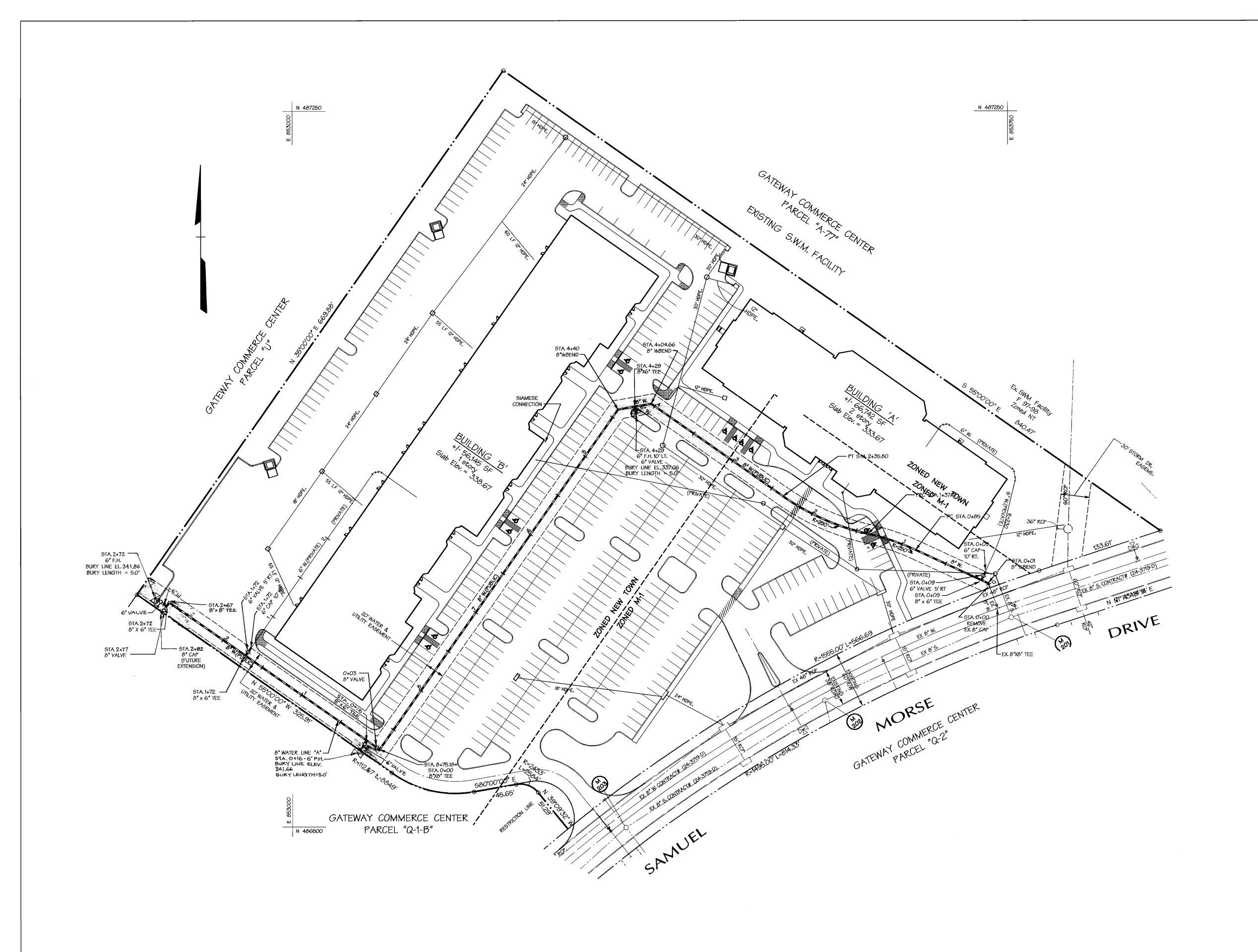


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•	DATE:	BY	NO.	REVISION	DATE

TITLE SHEET

Columbia Gateway Office & Commercial Buildings

Parcel Q-3 - Columbia Gateway, 6th Election District, Howard County, Maryland 8805 COLUMBIA 100 PKWY AND DEVELOPMENT CORPORATION 10275 LITTLE PATUXENT PARKWAY COLUMBIA, MD 21045 CONTRACT NO. <u>44-3877-D</u> 600 SCALE MAP NO. 42 & 43 BLOCK NO. 12 & 7 COLUMBIA, MD 21044



	WATER MAIN	STRUCTUR	RE SCHEDU	ILE
		COORE	DINATES	STATION
	ITEMS	NORTH	EAST	
8" 1/8 BEND		+	+	0+01
PC 8" W.		486,790.4	853,653.4	0+85
PRC 8" W.		486,807.2	853,603.5	1+37.77
PT 8" W.		486,846.6	853,514.4	2+35.80
8" 1/8 BEND		486,943.7	853,376.3	4+04.66
8" 1/8 BEND		486,937.6	853,341.4	4+40
8" X 8" TEE		486,581.5	853,091.3	8+75.18
8" X 8" TEE				2+67 LINE "A"

+ TO BE LOCATED IN FIELD

CONTRACTOR TO TEST PIT TO DETERMINE ACTUAL LOCATION AND ELEVATION OF EXISTING 8" CAP PRIOR TO LAYING PIPE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

DMW Daft · McCune · Walker, Inc. A Team of Land Planners, 200 East Pennsylvania Avenue Landscape Architects, Towson, Maryland 21286 Engineers, Surveyors & 410 296 3333 Environmental Professionals Fax 296 4705



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TJR III	-					
DATE:	BY	NO.	REVISION	DATE	600 SCALE MAP NO. 42 & 43	BLOCK NO. 12 & 7

OWNER:THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION

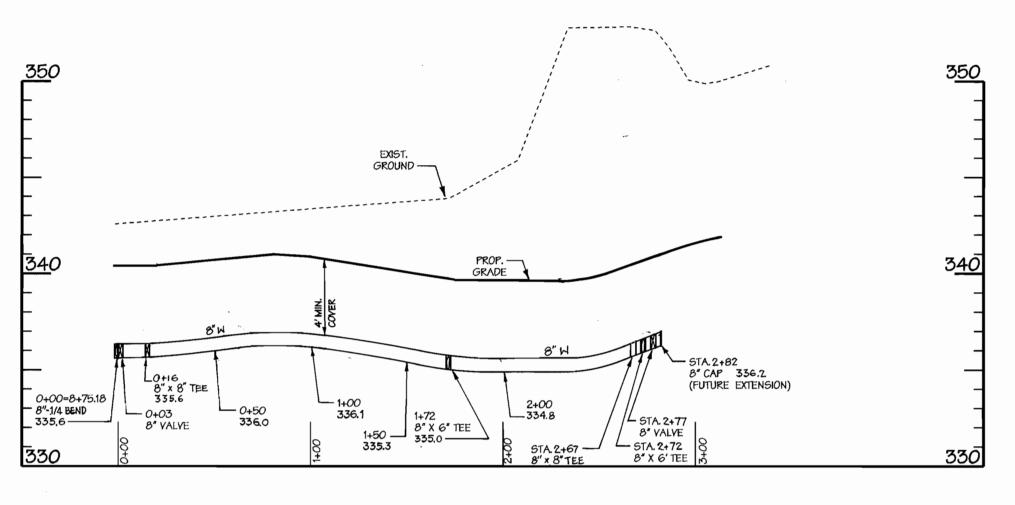
COLUMBIA, MD 21044

10275 LITTLE PATUXENT PARKWAY

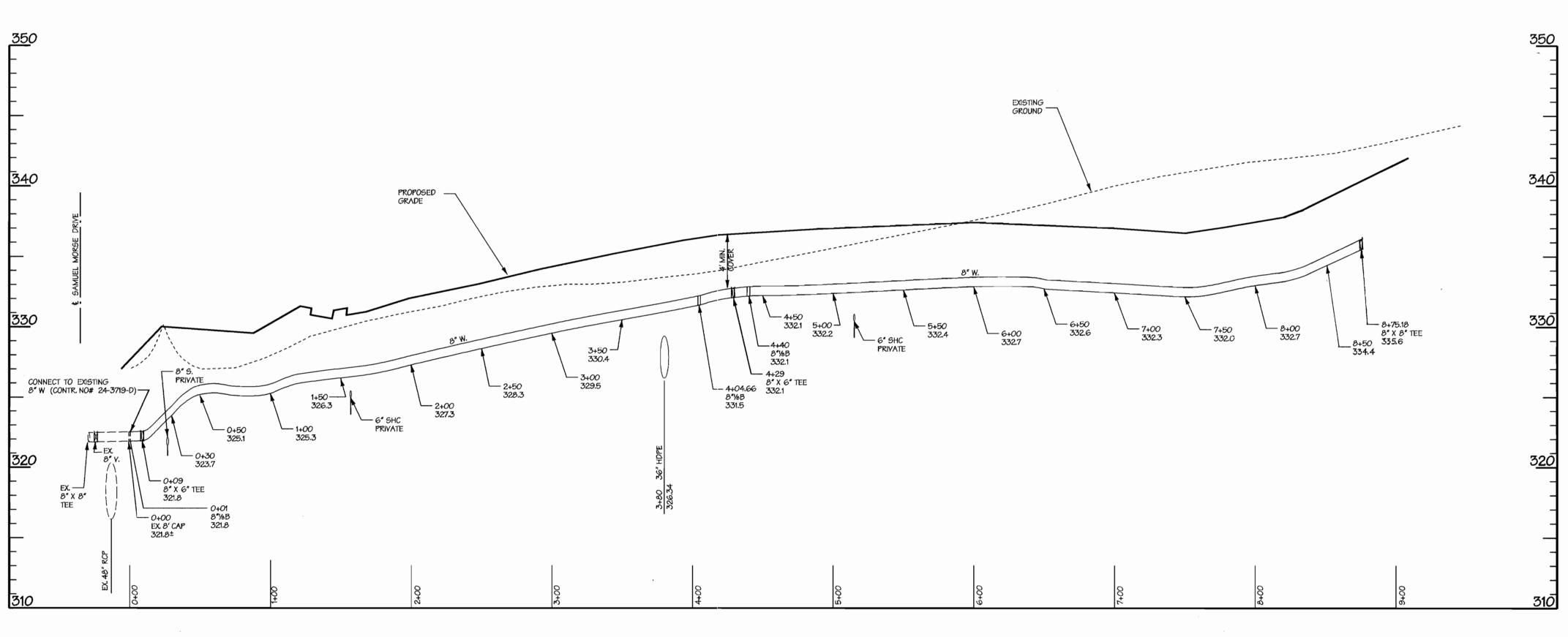
Columbia Gateway
Office & Commercial Buildings

DEVELOPER: AAK III, LLC 8805 COLUMBIA 100 PKWY SUITE 101 CONTRACT NO. <u>44-3877-D</u>

SCALE



8" PUBLIC WATER LINE "A" SCALE= 1"= 50' HORIZ. 1"= 5' VERT.



8" PUBLIC WATER SCALE= 1"= 50' HORIZ. 1"= 5' VERT.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

Daft·McCune·Walker, Inc. A Team of Land Planners, Landscape Architects, 200 East Pennsylvania Avenue Engineers, Surveyors & 7 owson, Maryland 21286 Engineers, Surveyors & 410 296 3333 Environmental Professionals Fax 296 4705



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TJR III				+	
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Columbia Gateway
Office & Commercial Buildings

WATER PLAN

Parcel Q - 3 - Columbia Gateway, 6th Election District, Howard County Maryland OWNER:THE HOWARD RESEARCH
AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044 CON DEVELOPER: AAK III, LLC 8805 COLUMBIA 100 PKWY SUITE 101 COLUMBIA, MD 21045 CONTRACT NO. <u>44-3877-D</u>

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			AUD	NTITIES				
		AS-BUILT						
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER /SUPPLIER				
8″ W.	-1155 (160	1,163 C.F.	0.1.P. CL. 5Z	U.S. PIPE & FOUNDRY BELAIR RD SUPPLY				
6" W.	42 58	58 c.F.	h µ 4	a p tr				
8″ 1⁄8 HB	3	3 EA.	D.I.P.	# P				
8″ 1⁄4 HB	+ 2	C EA.	"	py 11 15 15 15 15 15 15 15 15 15 15 15 15				
8" X 8" TEE	#			\sim \sim				
8" X 6" TEE	4 5	SEA.	D.1.P.					
8" VALVE	2	2 EA.	RESILIENT SEAT GATE	MUELLER CO. BELAIR ROAD SUPPLY				
6" VALVE	45	5 EA	w **	7 ", " 11				
8" CAP	2 (I EA.	D. 1. P.	U.S. PIPE & FOUNDRY BELAIR RO SUPPLY				
6" CAP	-2*	0		~ ~				
FIRE HYDRANT	23	3 EA.	SUPER CENTURION	MUEUER CO. BELAIR RD. SUPPY				
NAME OF UTILITY	CONTRACTOR:	KILISLEY	CONST.					

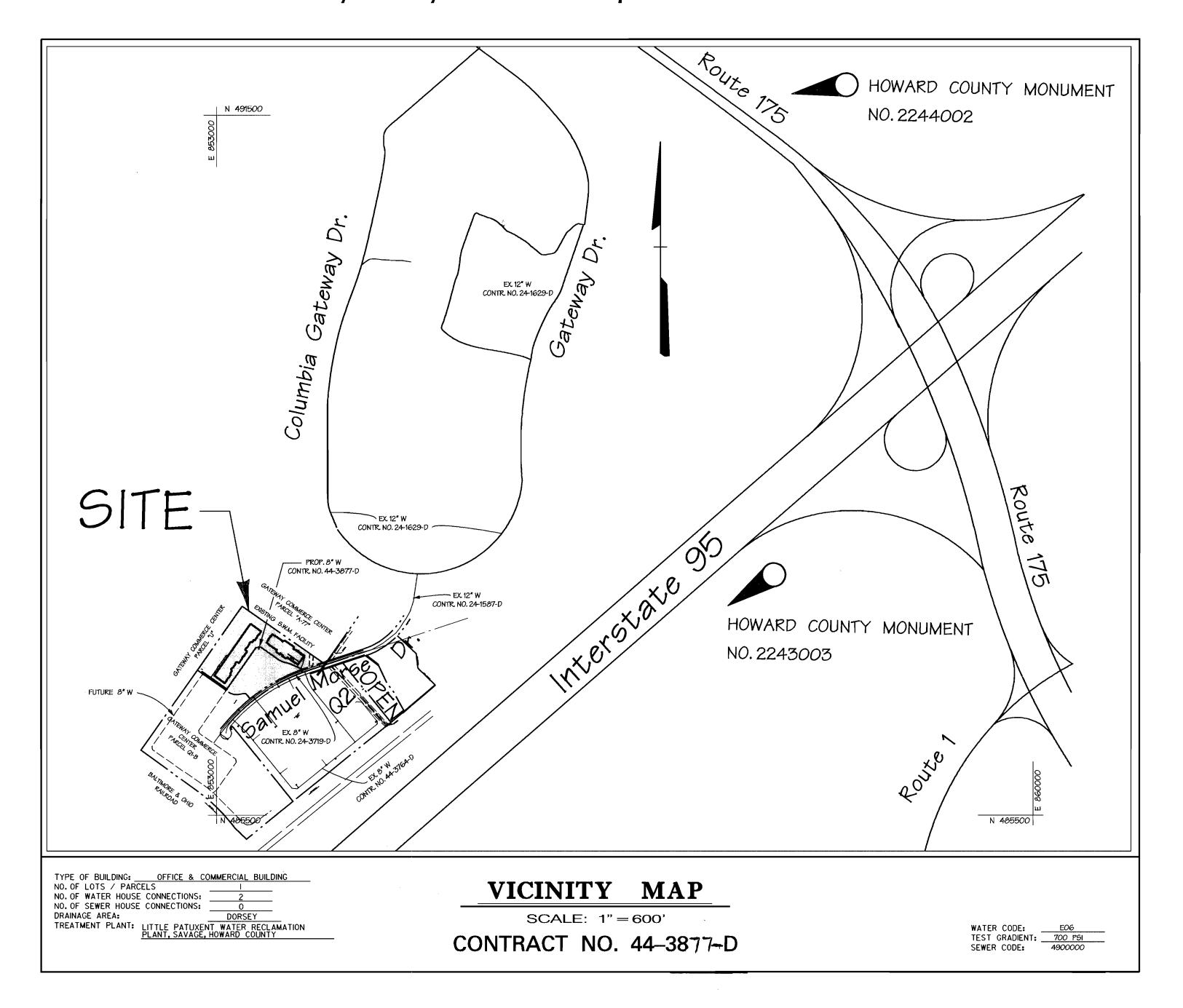
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COLUMBIA GATEWAY

PARCEL Q – 3

WATER CONSTRUCTION PLANS

Howard County, Maryland Department of Public Works



GENERAL NOTES

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 BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES (410) 850-4620

 BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL (410) 291-4607

 MISS UTILITY 1-800 257-7777
- MISS UTILITY 1-800 257-7777 COLONIAL PIPELINE CO. - (410) 549-4120
- BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS (410) 313-4900 BELL ATLANTIC- I-800-446-5266
- 9. 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.
- 10. 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. II. GENERAL NOTES (SEE ATTACHED)
- 12. 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 IN COUNTY ROADSFOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

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.

 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

 5. 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 1003 OF THE STANDARD SPECIFICATIONS.

 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- SYSTEM.
 ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153
 DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND OTHER LIQUIDS. 9. ALL EXISTING VALVES TO BE CLOSED WHEN CONNECTION TO THE SYSTEM IS MADE.

BENCHMARK

DESCRIPTION

NO. 2244002 - HOWARD COUNTY MONUMENT

NO. 2243003 - HOWARD COUNTY MONUMENT

	SHEET INDEX
SHEET No.	DESCRIPTION
1	TITLE SHEET
2	WATER PLAN
3	WATER PROFILE

REVIEWED FOR NATURAL RESOURCE CONSERVATION SERVICE AND MEETS TECHNICAL REQUIREMENT THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND SITE DEVELOPMENT PLAN SDP- 00-132

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

HOWARD S.C.I

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

CHIEF - DEVELOPMENT ENGINEERING DIVISION

Landscape Architects, Engineers, Surveyors &



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	BIS	K.C.I.	2	ASBUILT DATA ADDED TO PLAN	10/1/01	
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	DATE:					
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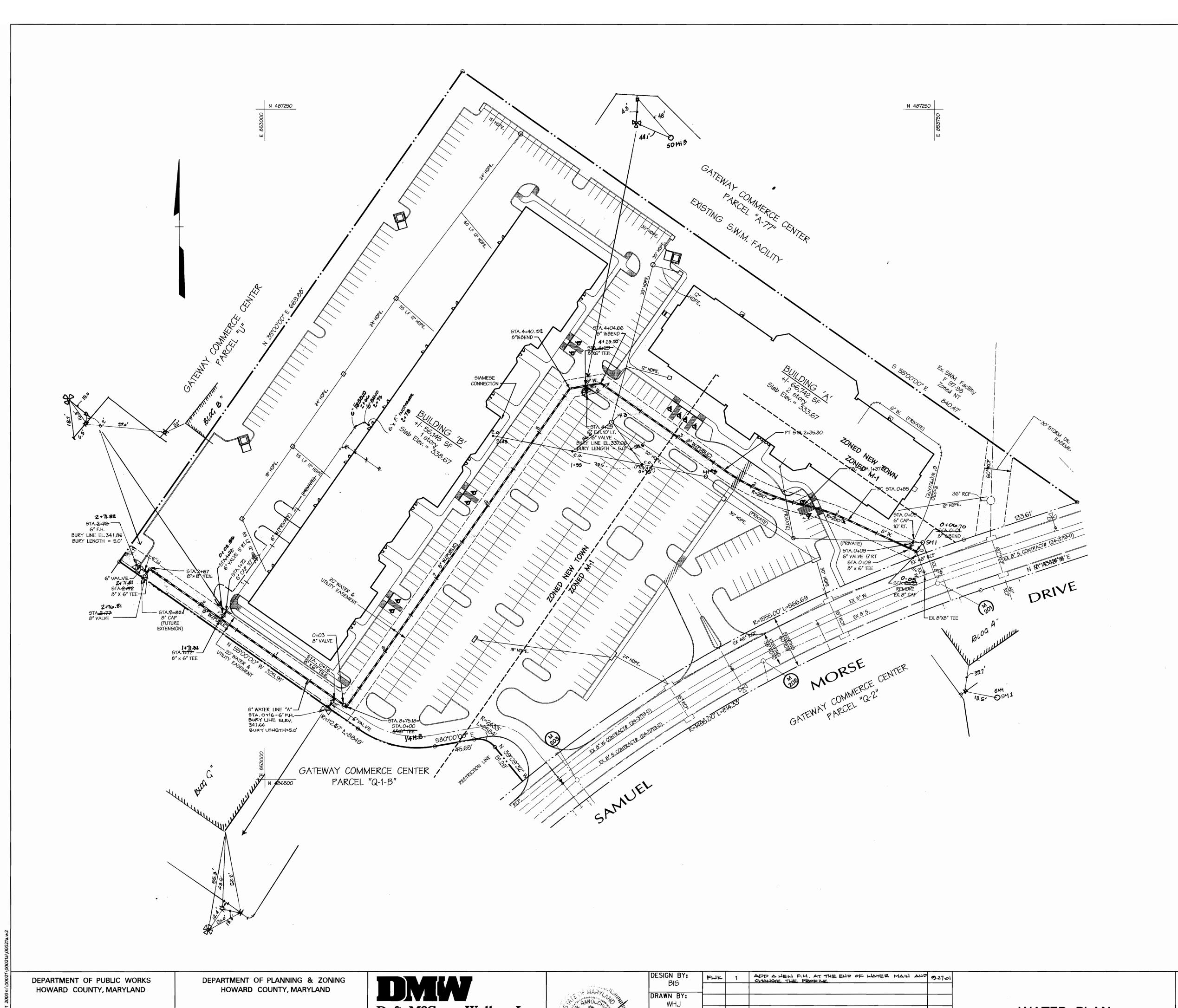
TITLE SHEET

Columbia Gateway Office & Commercial Buildings

AAK III, LLC 8805 COLUMBIA 100 PKWY SUITE 101 COLUMBIA, MD 21045

Fr1 Jul 7 09:03:47 2000 n:\0002\0002ld\0002ld\0002lawl

Daft·McCune·Walker, Inc. A Team of Land Planners, 200 East Pennsylvania Avenue Towson, Maryland 21286 410 296 3333 Fax 296 4705 Environmental Professionals



CHECKED BY:

TJR III

K.C.I. 1

BY NO.

ASBUILT DATA ADDED TO PLANE

REVISION

Daft·McCune·Walker, Inc.

A Team of Land Pianners, 200 East Pennsylvania Avenue Landscape Architects, Towson, Maryland 21286 Engineers, Surveyors & 410 296 3333 Environmental Professionals Fax 296 4705

WATER MAIN S	TRUCTUR	SCHEDU	LE	
	COORE	DINATES	STATION	
ITEMS	NORTH	EAST		
8" 1/8 BEND	+	+	0+01	
PC 8" W.	486,790.4	853,653.4	0+85	
PRC 8" W.	486,807.2	853,603.5	1+37.77	
PT 8" W.	486,846.6	853,514.4	2+35.80	
8" 1/8 BEND	486,943.7	853,376.3	4+04.66	
8" 18 BEND	486,937.6	853,341.4	4+40	
8" X 8" TEE	486,581.5	853,091.3	8 + 75.18	
8" X 8" TEE 1/4 BEHD			2+67 LINE "A"	
				

+ TO BE LOCATED IN FIELD

ACTUAL LOCATION AND ELEVATION OF EXISTING 8" CAP PRIOR TO LAYING PIPE

Columbia Gateway
Office & Commercial Buildings

CONTRACT NO. <u>44-3877-D</u>

WATER PLAN

DATE | 600 SCALE MAP NO. 42 & 43

BLOCK NO. 12 & 7 COLUMBIA, MD 21044

Office & Commercial Buildings

Parcel Q - 3 - Columbia Gateway, 6th Election District, Howard County Maryland

OWNER: THE HOWARD RESEARCH

AND DEVELOPMENT CORPORATION

10275 LITTLE PATUXENT PARKWAY

COLUMBIA MD 2004

CONTRACT NO. 44 2977 D.

Tue Jul II 16:23:41 2000 n:\0002\0002la\0002la\0002law2