

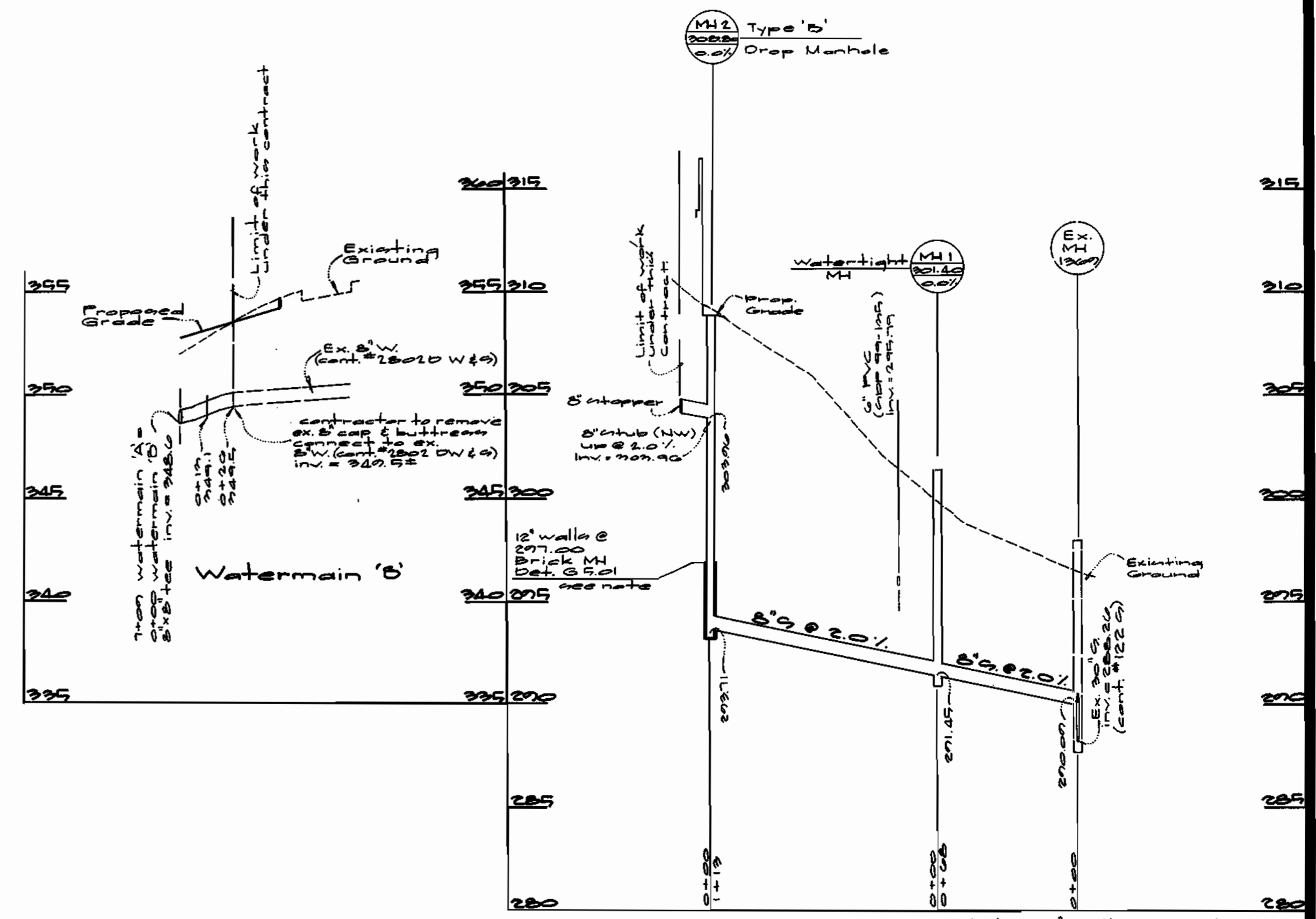
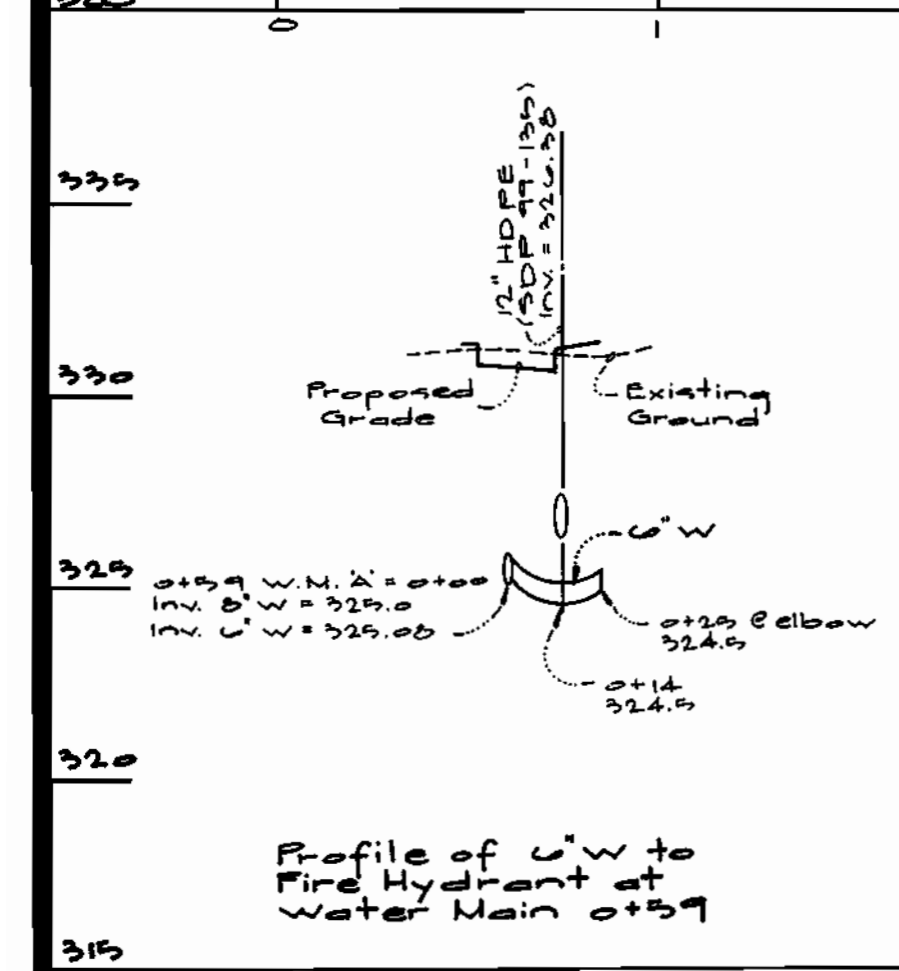
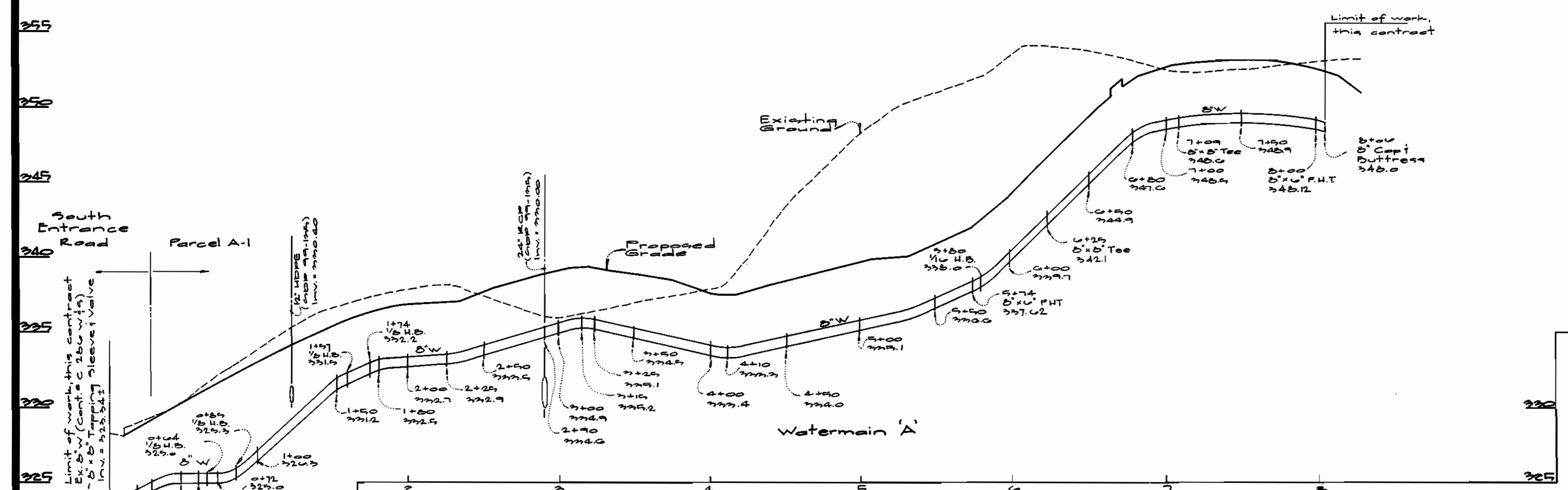
DATE:

DRAWINGS ISSUED TO:

ASN DEVELOPMENT OFFICE

ASN PRODUCTION OFFICE

GENERAL CONTRACTOR



Note: 12" walls are not required for precast manholes. When using precast manholes, see det. G.11

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert M. Bennett 2-2-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Howe 2/1/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BALT. 410-880-1820 DC/VA. 301-989-2524 FAX: 301-421-4186



DES: DEV				
DRN: KLP				
CHK: DEV				
DATE: 2-2-00				
BY	NO	REVISION	DATE	

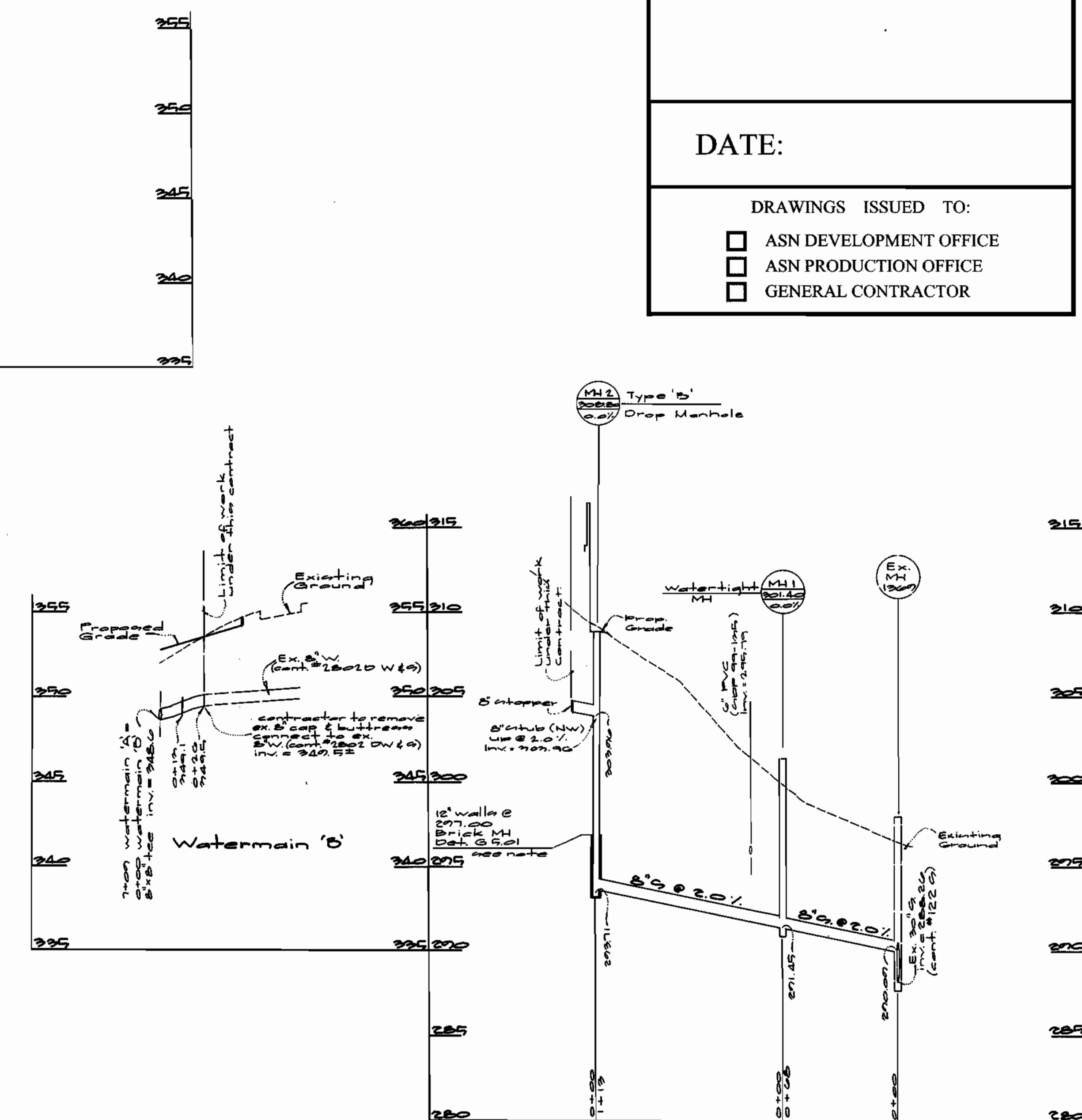
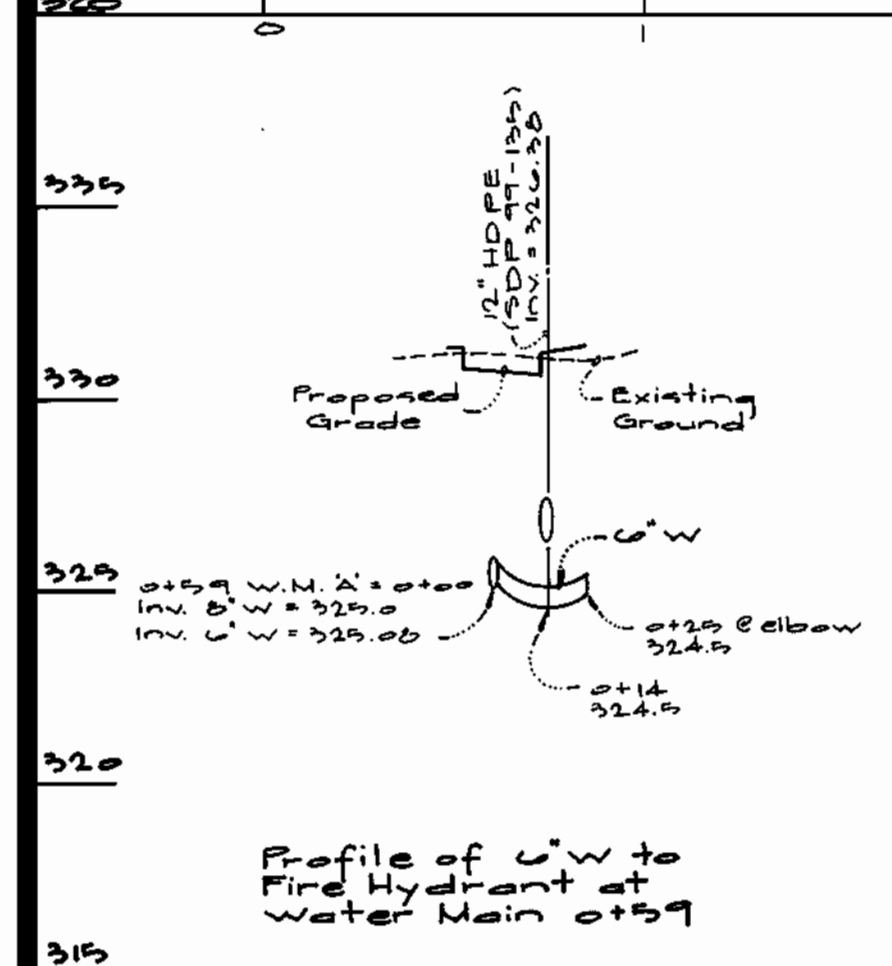
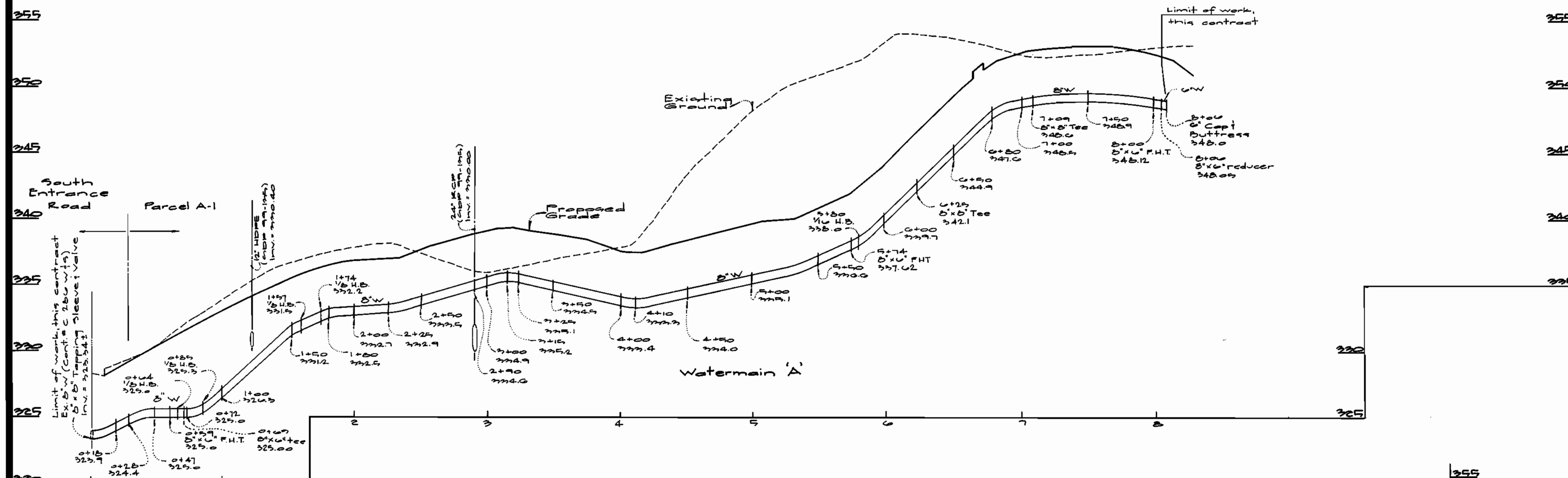
PUBLIC WATER & SEWER PROFILE

600' SCALE MAP NO. 20 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT# 24-779-0
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989
CLARKSVILLE ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 2 OF 2



DATE:

DRAWINGS ISSUED TO:

- ASN DEVELOPMENT OFFICE
- ASN PRODUCTION OFFICE
- GENERAL CONTRACTOR

Note: 12" walls are not required for precast manholes. When using precast manholes, see det. G.11

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert Deegan 2-2-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Howe 2/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
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: 301-421-4186



DES: DEV					
DRN: KLP					
CHK: DEV					
January DATE: 2000	MCP	1	Add W.C.M. and 6" W.R. reducer	4/21/00	
	BY	NO	REVISION	DATE	

PUBLIC WATER & SEWER PROFILE

600' SCALE MAP NO. 222 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT # 24-2779-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

CLARKSVILLE ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

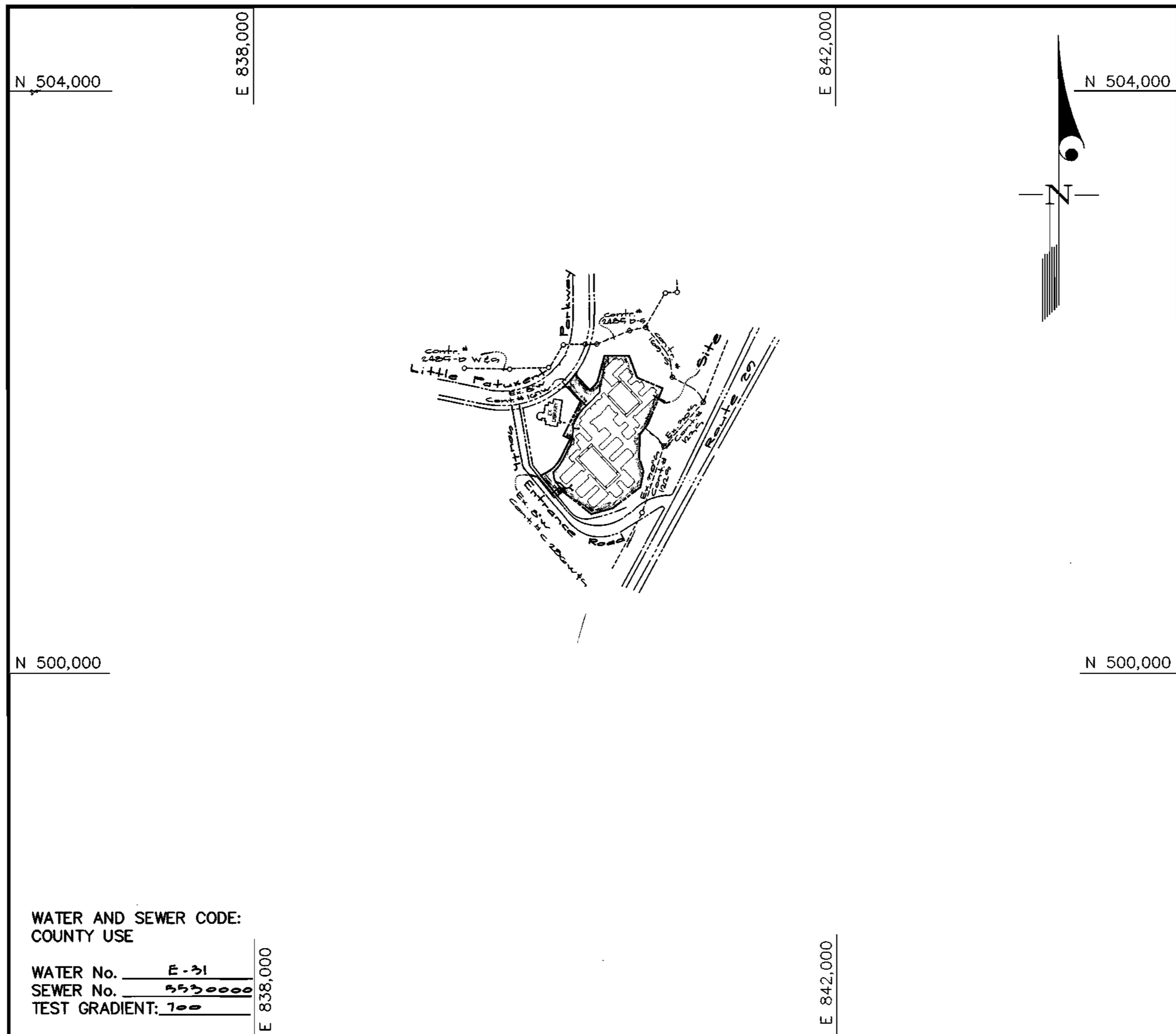
SHEET 2 OF 2

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W	921 L.F.	921		M+C/GRIFFIN
6" W	107 L.F.	107 L.F.		M+C/GRIFFIN
8" x 8" Tee Valve	1 ea.	1 EA.		FORD/M+C
Fire Hydrant	4 ea.	4 EA.		KENNEDY/M+C
		5 EA		" "
		5 EA		" "
12" B.I.P.	2 L.F.			GRIFFIN/M+C
8" S	170 L.F.	170 L.F.		

NAME OF UTILITY CONTRACTOR: C. J. MILLER

SURVEY AND DRAFTING DIV. CHECKBOX: AS-BUILT DATE: 1/2/00

TYPE OF BUILDING	Apartment
NUMBER OF UNITS	550
NUMBER OF S.H.C.'s	1
NUMBER OF W.H.C.'s	1
DRAINAGE AREA	Little Pasture
TREATMENT PLANT	



VICINITY MAP
SCALE: 1"=600'

- 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 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.
 - 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. 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 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.

CONTRACT No. 24-3779-D

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Drawings Plan SDP-89-135; Drawings 19, 20 & 21 for Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

Chief Simmons 2/3/00
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
J. Hall 2/3/00
DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert R... 2/3/00
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

H... 2/3/00
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-889-2524 FAX: 301-421-4186



DES: dev				
DRN: k.l.p.	KLI	4	AS-BUILT CONDITIONS ADDED	3/16/01
CHK: dev	JAU	2	rev. quant. of 8" W, 6" W & PH's	11/21/00
	MCF	2	rev. quantities of 8" W & 6" W	7/3/00
	MCF	1	rev. quantity of 8" W & 6" W	4/21/00
DATE: May 1999	BY	NO	REVISION	DATE

WATER & SEWER COVER SHEET

600' SCALE MAP NO. 20 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT# 24-3779-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

CLARKSVILLE ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

GLW FILE No. 98087

SCALE AS SHOWN
SHEET 1 OF 3

DATE:

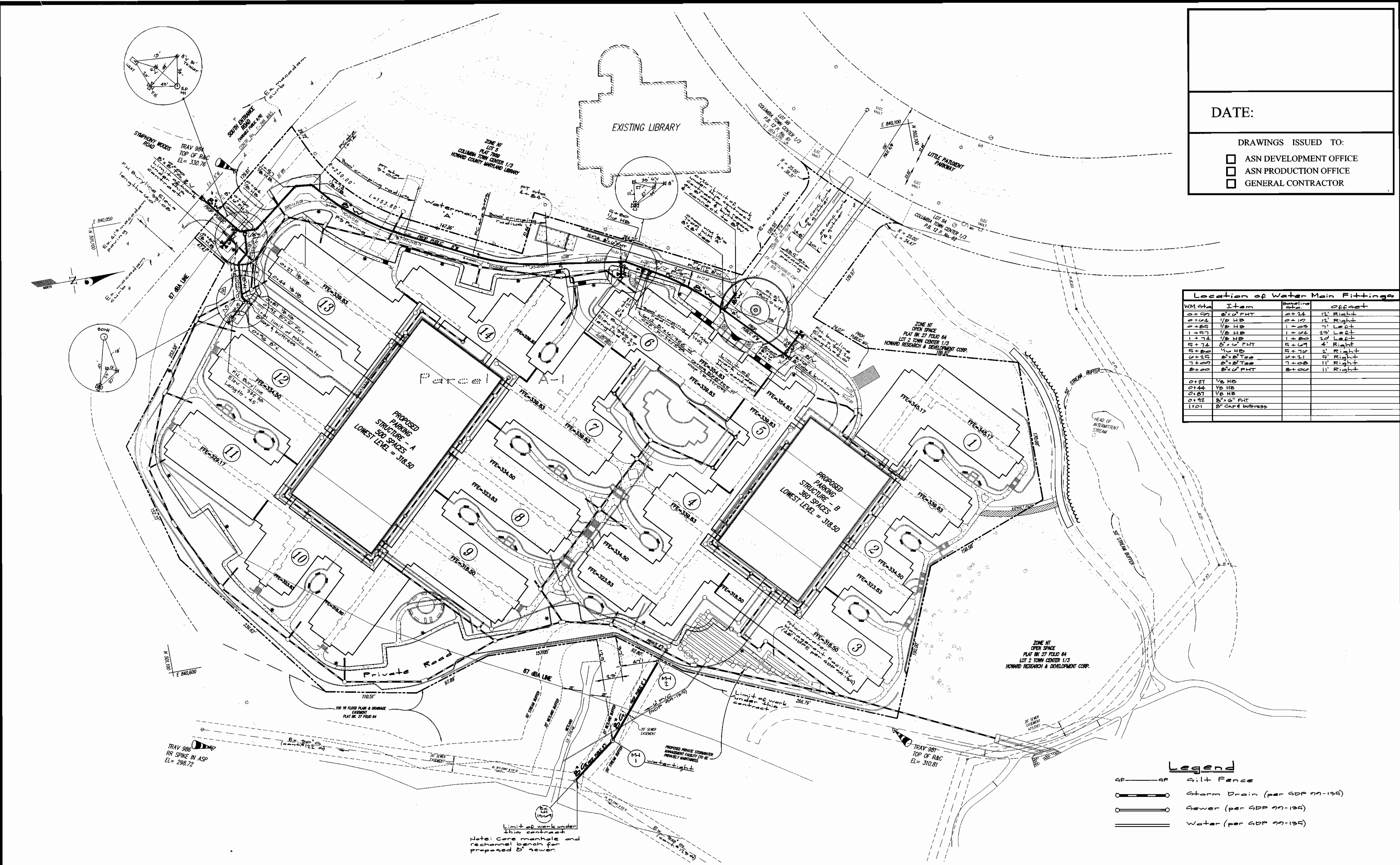
DRAWINGS ISSUED TO:

- ASN DEVELOPMENT OFFICE
- ASN PRODUCTION OFFICE
- GENERAL CONTRACTOR

WM Sta	Item	Baseline Sta.	Offset
0+57	8" x 8" PHT	0+24	12' Right
0+64	1/2" HD	0+02	12' Right
0+65	1/2" HD	1+02	7' Left
1+57	1/2" HD	1+02	12' Left
1+74	1/2" HD	1+02	12' Left
5+74	8" x 8" PHT	5+07	4' Right
5+80	1/2" HD	5+70	4' Right
6+25	8" x 8" Tee	6+21	5' Right
7+00	8" x 8" Tee	7+08	11' Right
8+00	8" x 8" PHT	8+00	11' Right
0+27	1/2" HD		
0+44	1/2" HD		
0+87	1/2" HD		
0+92	8" x 8" PHT		
1+01	8" x 4" outfall		

Legend

- SP — SP Silt Fence
- Storm Drain (per GDP 99-135)
- Sewer (per GDP 99-135)
- Water (per GDP 99-135)



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert [Signature]
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
CHIEF, DEVELOPMENT-ENGINEERING DIVISION

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



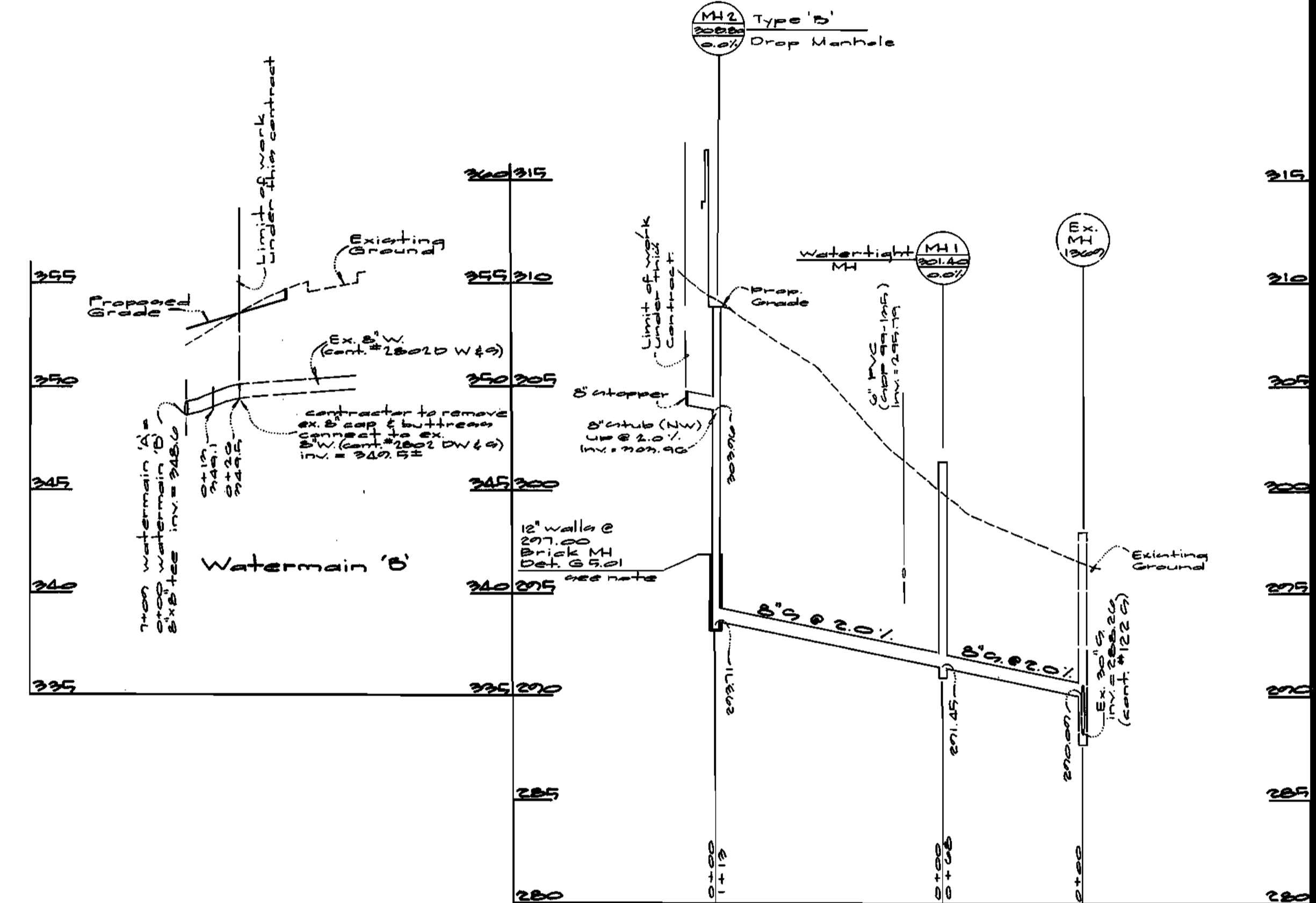
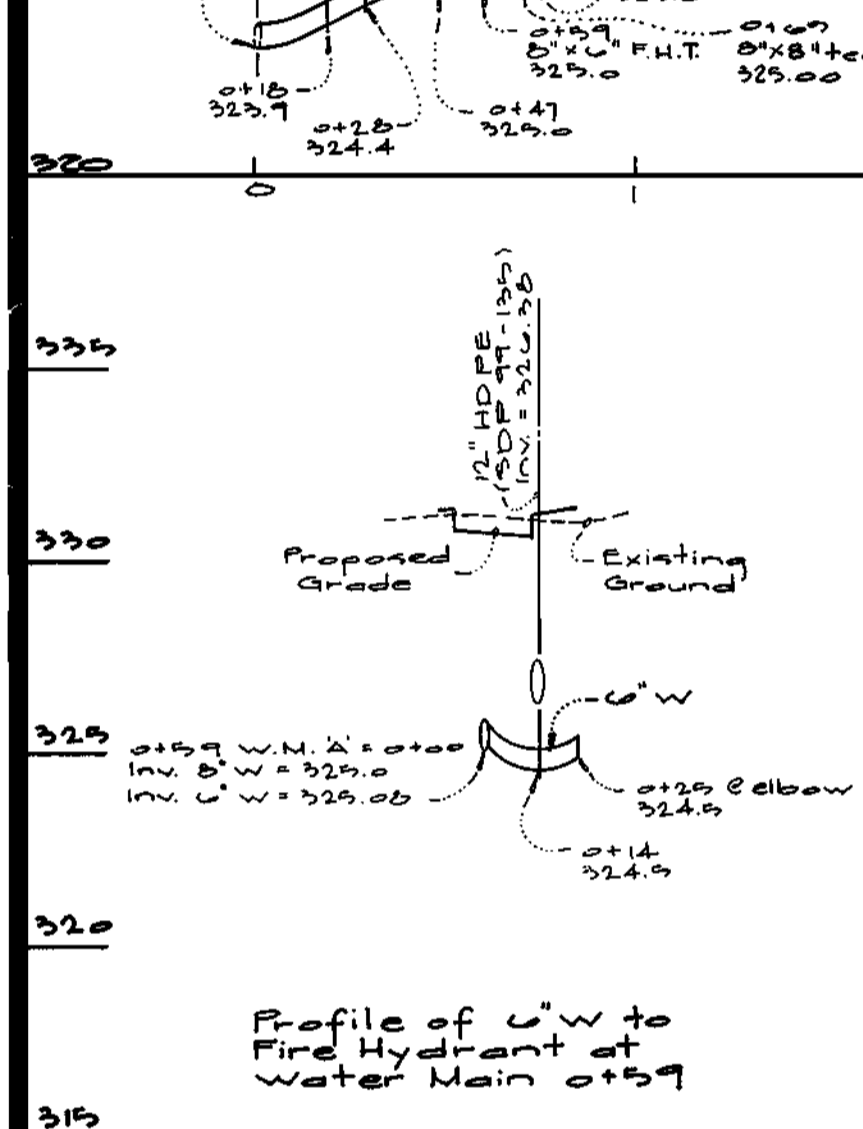
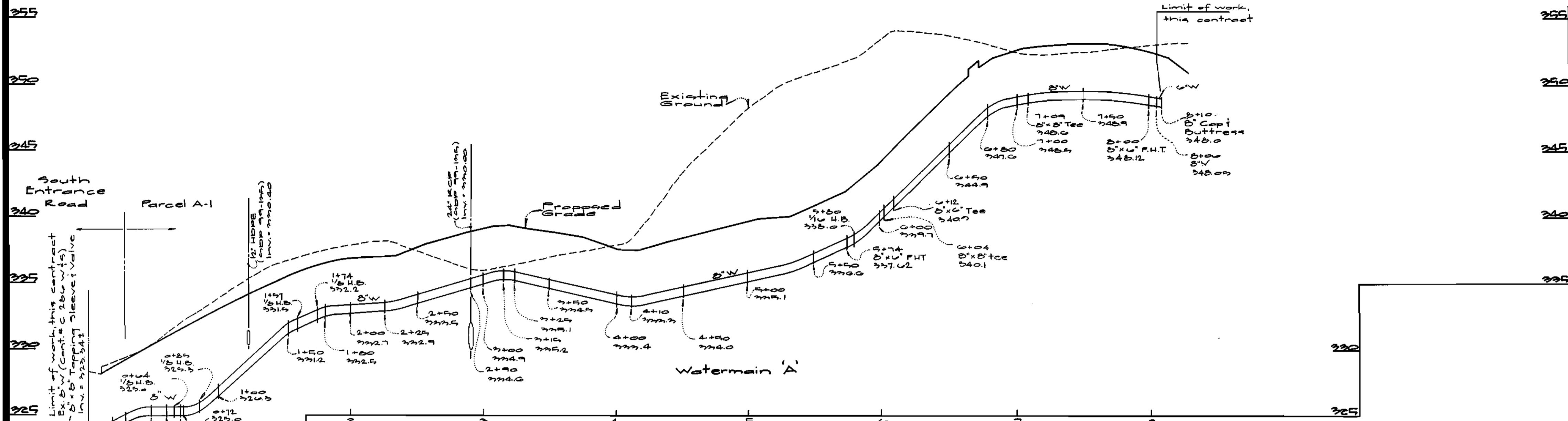
DES: DEV	DRN: KLP	CHK: DEV	DATE: 2000	BY: NO	REVISION	DATE
	KLI 4	JAL 4			ASBUILT CONDITIONS ADDED TO PLAN	3/10/01
		MCF 2			extend public BW and add PHT 200' x 12'	11/21/00
		MCF 2			rev. LWS 8' x 8' and 8' x 6' to 8' x 6', delete 8' x 6' x 25'	7/15/00
		MCF 1			Add W/O's and 8' x 6' reducer	4/11/00

PUBLIC WATER & SEWER PLAN
scale: 1" = 50'

COLUMBIA TOWN CENTER
CONTRACT # 24-2770-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

600' SCALE MAP NO. 20 BLOCK NO. 2
CLARKSVILLE ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

SCALE 1"=50'
SHEET 2 OF 3

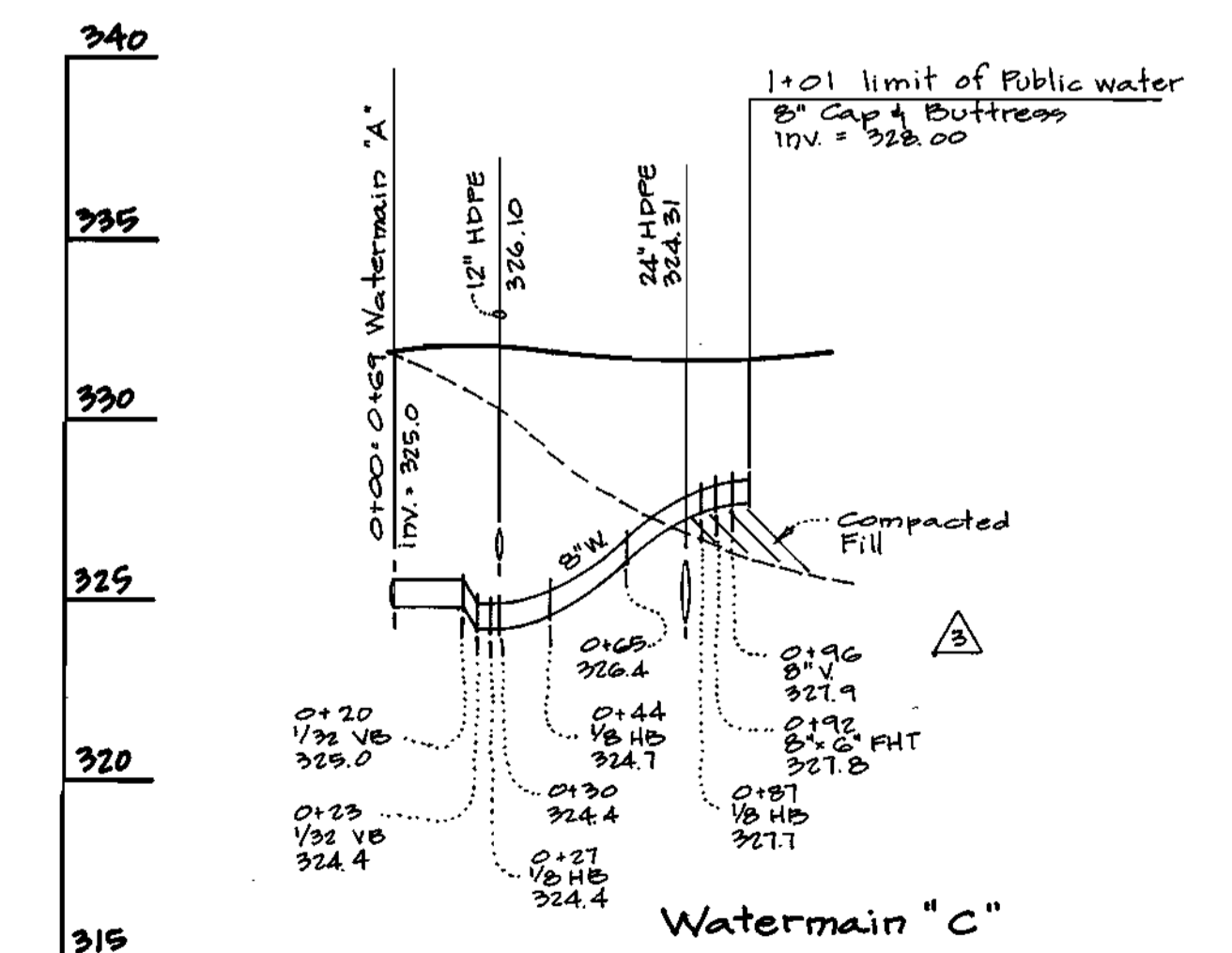


DATE:

DRAWINGS ISSUED TO:

- ASN DEVELOPMENT OFFICE
- ASN PRODUCTION OFFICE
- GENERAL CONTRACTOR

Note: 12' walls are not required for precast manholes. When using precast manholes, see det. G 5.11



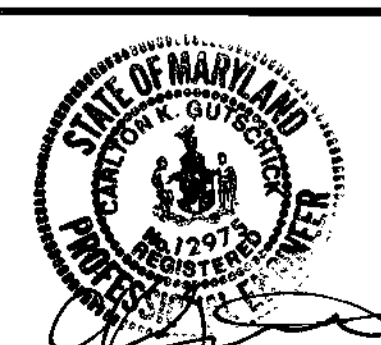
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert E. ... 2-2-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

... 2/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3609 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 22066
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



DES: DEV					
DRN: KLP					
CHK: DEV	JAL	2	Add profile for watermain 'c'	11/21/00	
	MCP	2	add valves @ pipe cross; add 1/2\"/>		
	MCP	1	Add w/c's and 8\"/>		
DATE: 2000	BY	NO	REVISION	DATE	

PUBLIC WATER & SEWER PROFILE

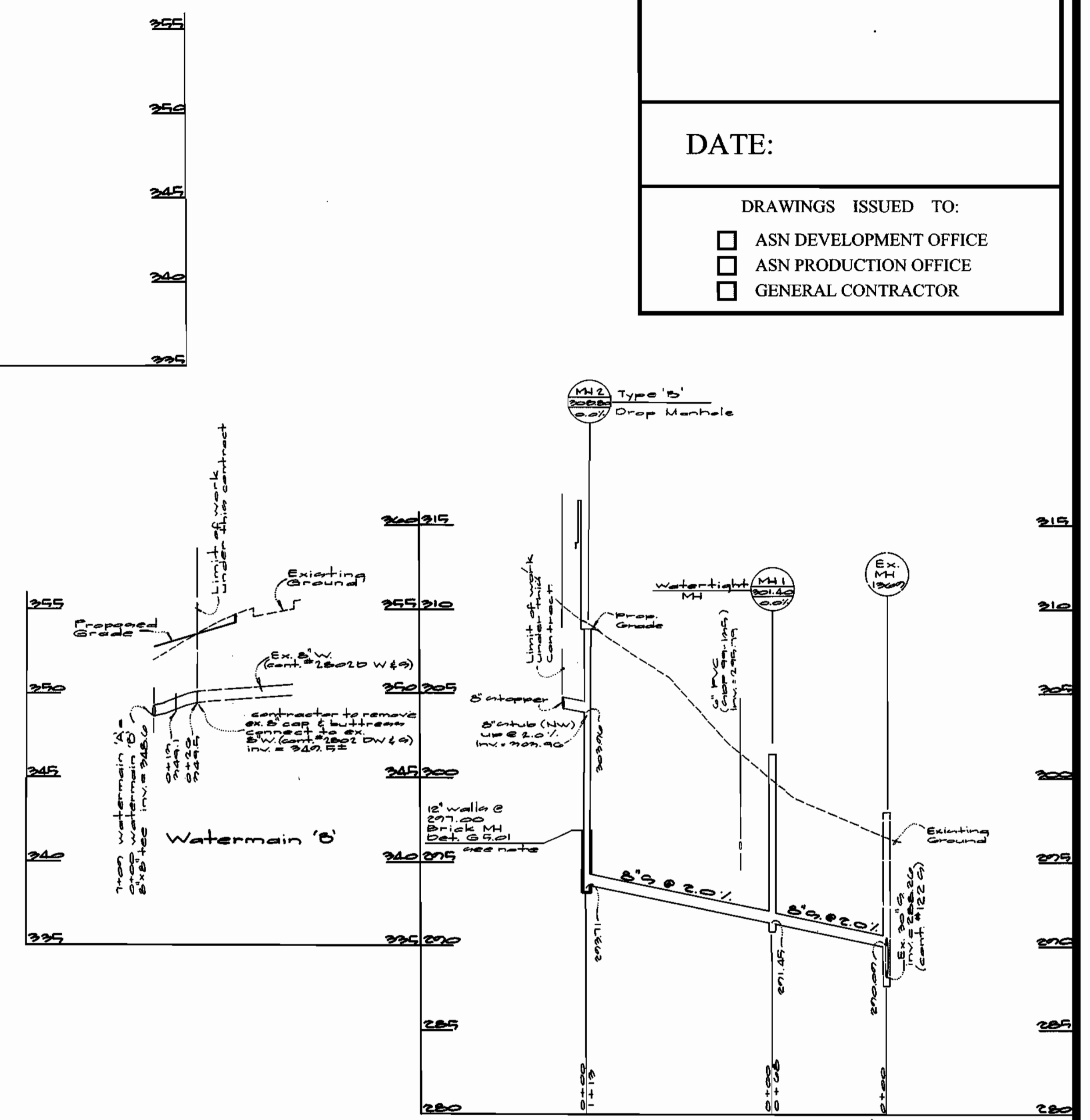
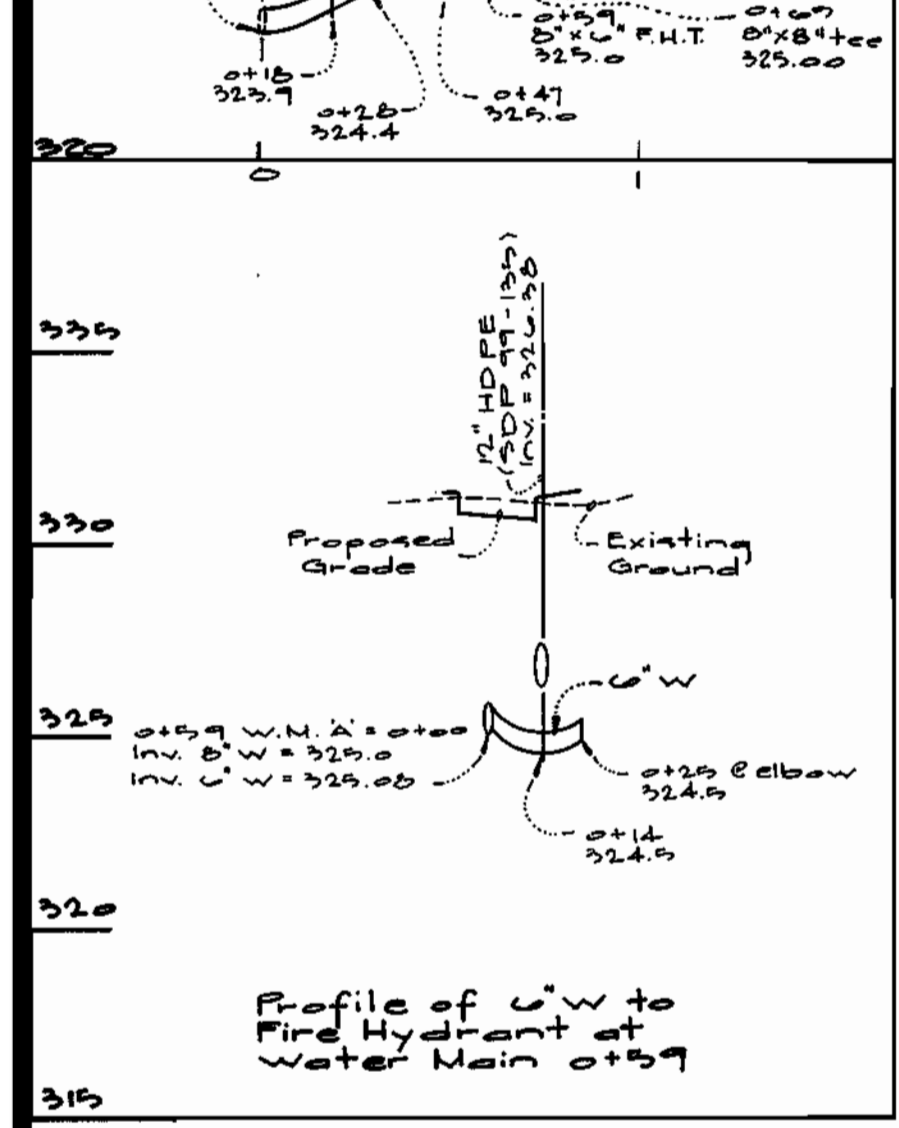
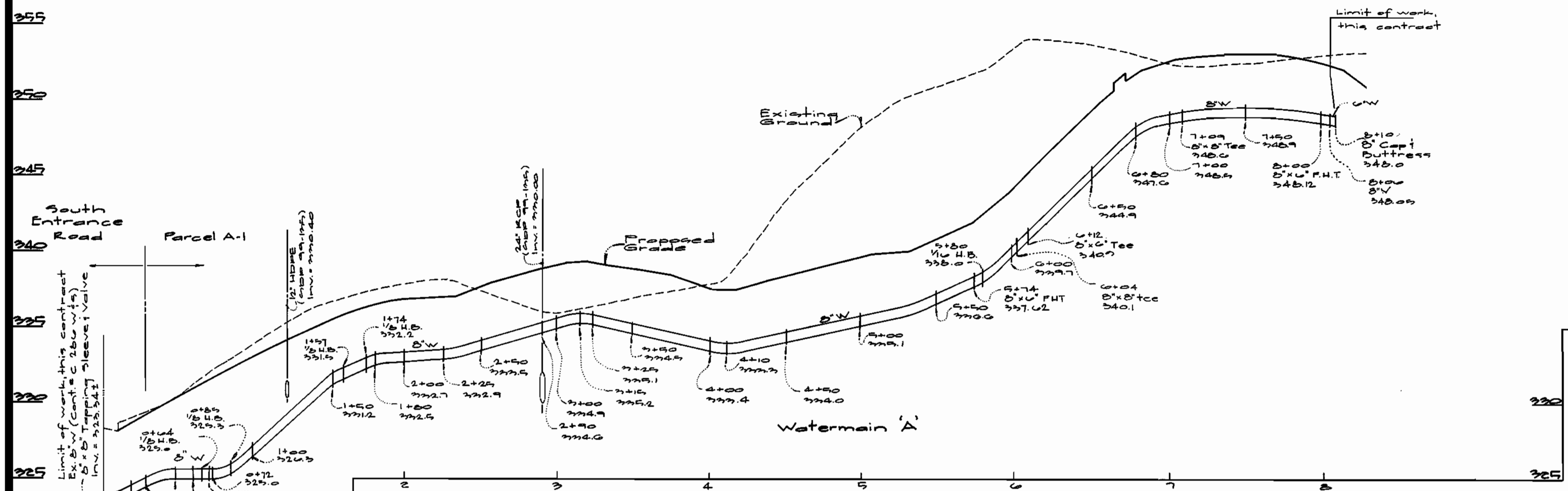
600' SCALE MAP NO. 20 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT # 24-7779-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

CLARKSVILLE ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 2 OF 2



DATE:

DRAWINGS ISSUED TO:

- ASN DEVELOPMENT OFFICE
- ASN PRODUCTION OFFICE
- GENERAL CONTRACTOR

Note: 12" walls are not required for precast manholes. When using precast manholes, see det. G 5.11

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Beatty 2-2-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Howe 2/1/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BALT. 410-880-1820 DC/VA 301-989-2524 FAX: 301-421-4188



DES: DEV				
DRN: KLF				
CHK: DEV	MCP 2	add valves etc. check civil, rev w/c ex'g, delete 8" w/ red. 8" cov	1/9/00	
January, DATE: 2000	MCP 1	add w/c's and 8" w/ reducer	4/21/00	
BY	NO	REVISION	DATE	

PUBLIC WATER & SEWER PROFILE

600' SCALE MAP NO. 22 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT # 24-3779-0
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

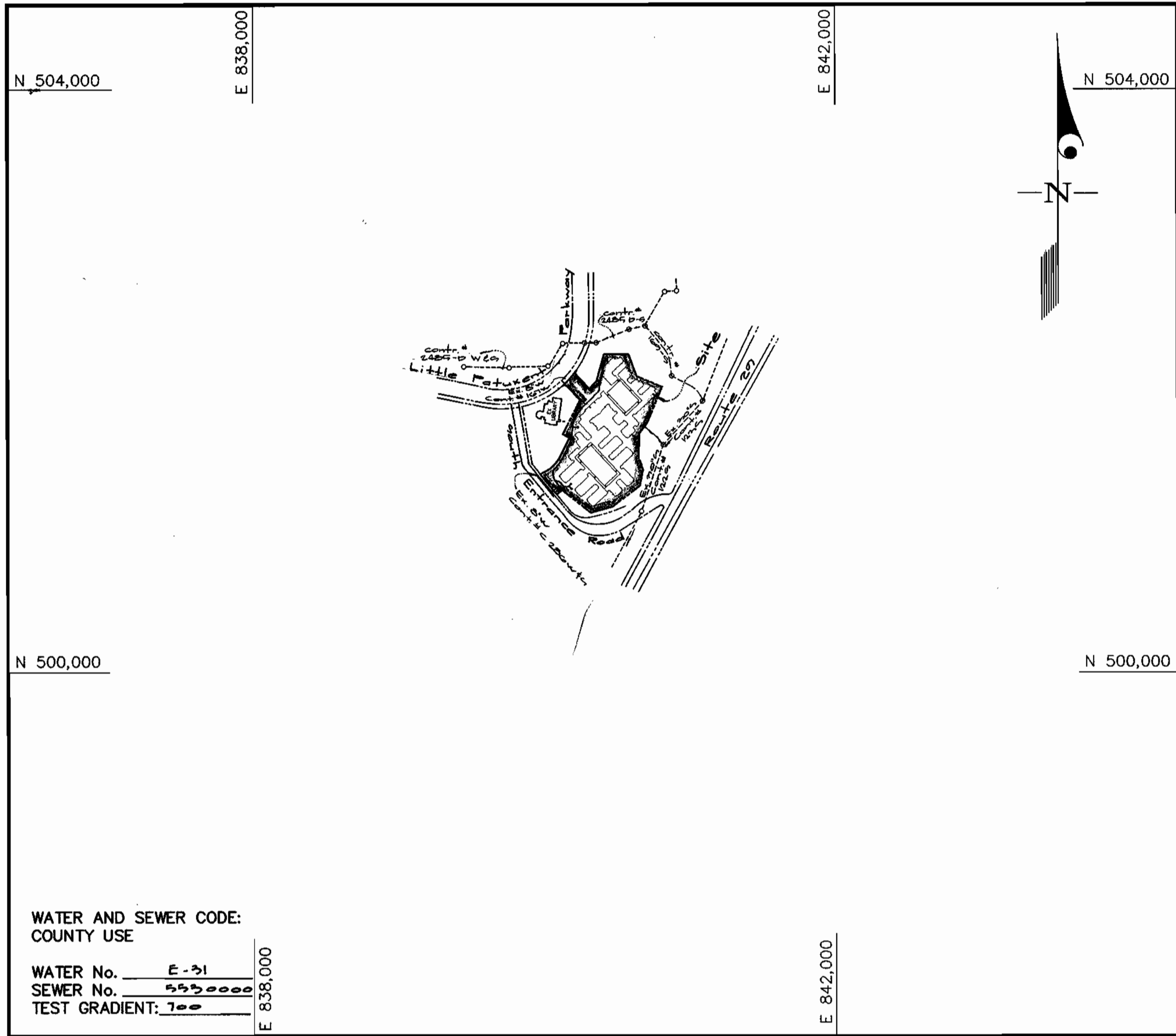
CLARKSVILLE ELECTION DISTRICT No. 5 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 2 OF 2

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" W	921 LF			
6" W	107 LF			
8" A Tee Valve	1 ea.	△		
Fire Hydrant	4 ea.			
12" B/W	2 LF			
D/S	197 LF			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIV.		CHECKBOX: . . .	AS-BUILT DATE: . . .	

TYPE OF BUILDING	Apartment
NUMBER OF UNITS	520
NUMBER OF S.H.C.'s	1
NUMBER OF W.H.C.'s	1
DRAINAGE AREA	Little Patuxent
TREATMENT PLANT	



VICINITY MAP
SCALE: 1"=600'

- 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 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.
 - 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. 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 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.

CONTRACT No. 24-3779-D

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Drawings Plan SDP-99-135; Drawings 19, 20 & 21 for Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

Chief Simmons 2/3/00
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
John Roberts 2/3/00
HOWARD S.C.D. DATE

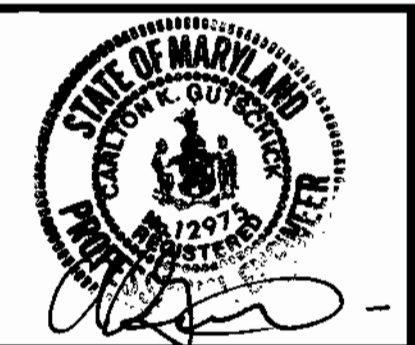
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert Beinger 2-2-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 2/2/00
CHIEF, DEVELOPMENT-ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



DES: dev				
DRN: k.l.p.				
CHK: dev	JAL	△	rev. quant of 8" W, 6" W & FH's	11/21/00
	MCF	2	rev. quantities of 8" W & 6" W	7/5/00
	MCF	1	rev. quantity of 8" W & 6" W	4/21/00
DATE: May 1999	BY: NO		REVISION	DATE

WATER & SEWER COVER SHEET

600' SCALE MAP NO. 20 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT# 24-3779-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

CLARKSVILLE ELECTION DISTRICT No. 5 HOWARD COUNTY, MARYLAND

GLW FILE No. 98087

SCALE AS SHOWN

SHEET 1 OF 2

DATE:

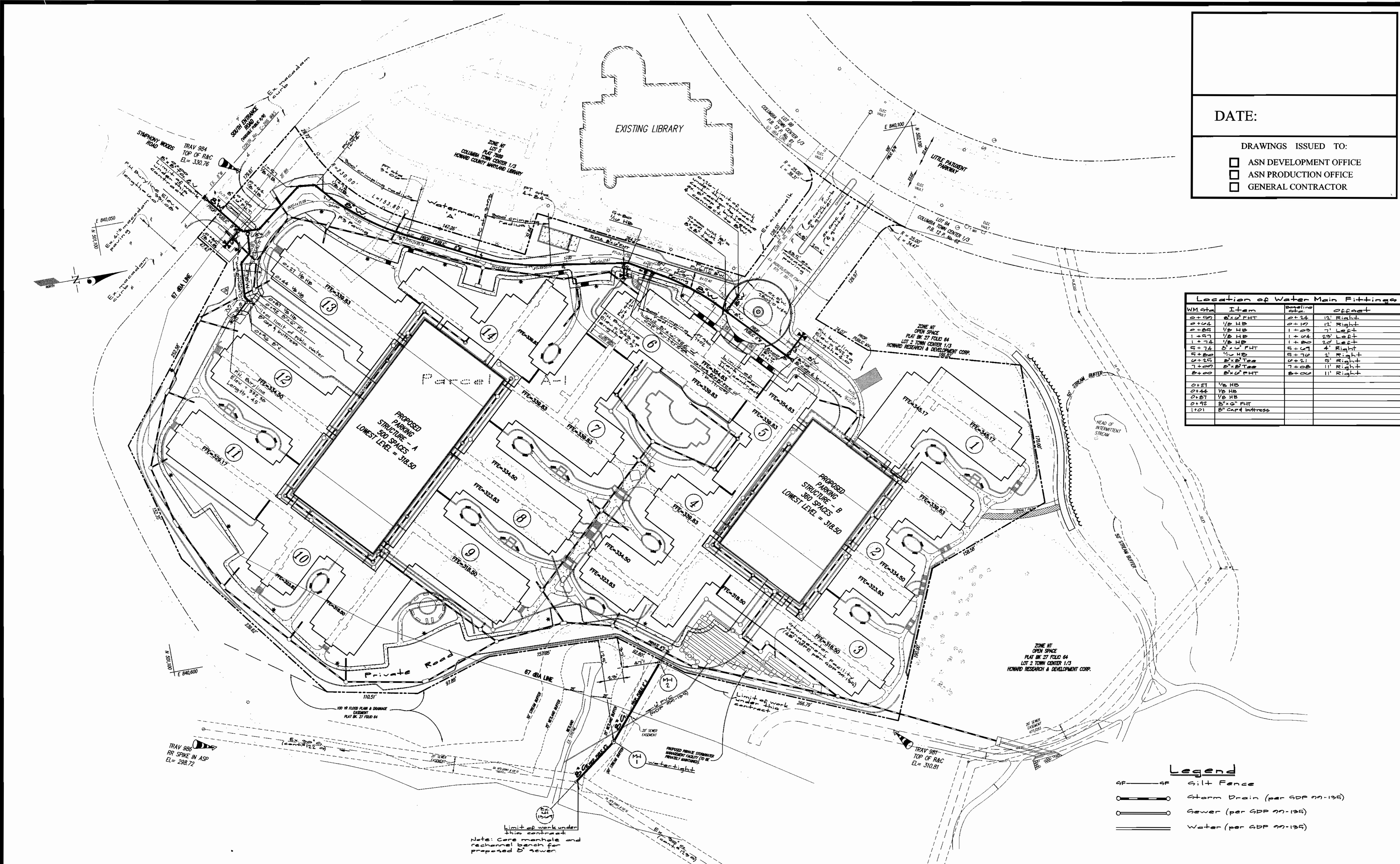
DRAWINGS ISSUED TO:

- ASN DEVELOPMENT OFFICE
- ASN PRODUCTION OFFICE
- GENERAL CONTRACTOR

WM Sta	Item	Baseline Offset	Offset
0+00	8"x8" FHT	0+12	12' Right
0+04	1/2" HB	0+12	12' Right
0+05	1/2" HB	1+03	7' Left
1+07	1/2" HB	1+04	22' Left
1+14	1/2" HB	1+00	32' Left
5+14	8"x8" FHT	5+07	4' Right
5+08	1/2" HB	5+10	2' Right
6+25	8"x8" Tee	6+21	5' Right
7+07	8"x8" Tee	7+08	11' Right
8+00	8"x8" FHT	8+00	11' Right
0+27	1/2" HB		
0+44	1/2" HB		
0+87	1/2" HB		
0+92	8"x8" FHT		
1+01	8" cast buttress		

Legend

—	Silt Fence
—	Storm Drain (per GPP 97-135)
—	Sewer (per GPP 97-135)
—	Water (per GPP 97-135)



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert J. ...
2-2-00
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
2/1/00
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20886
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



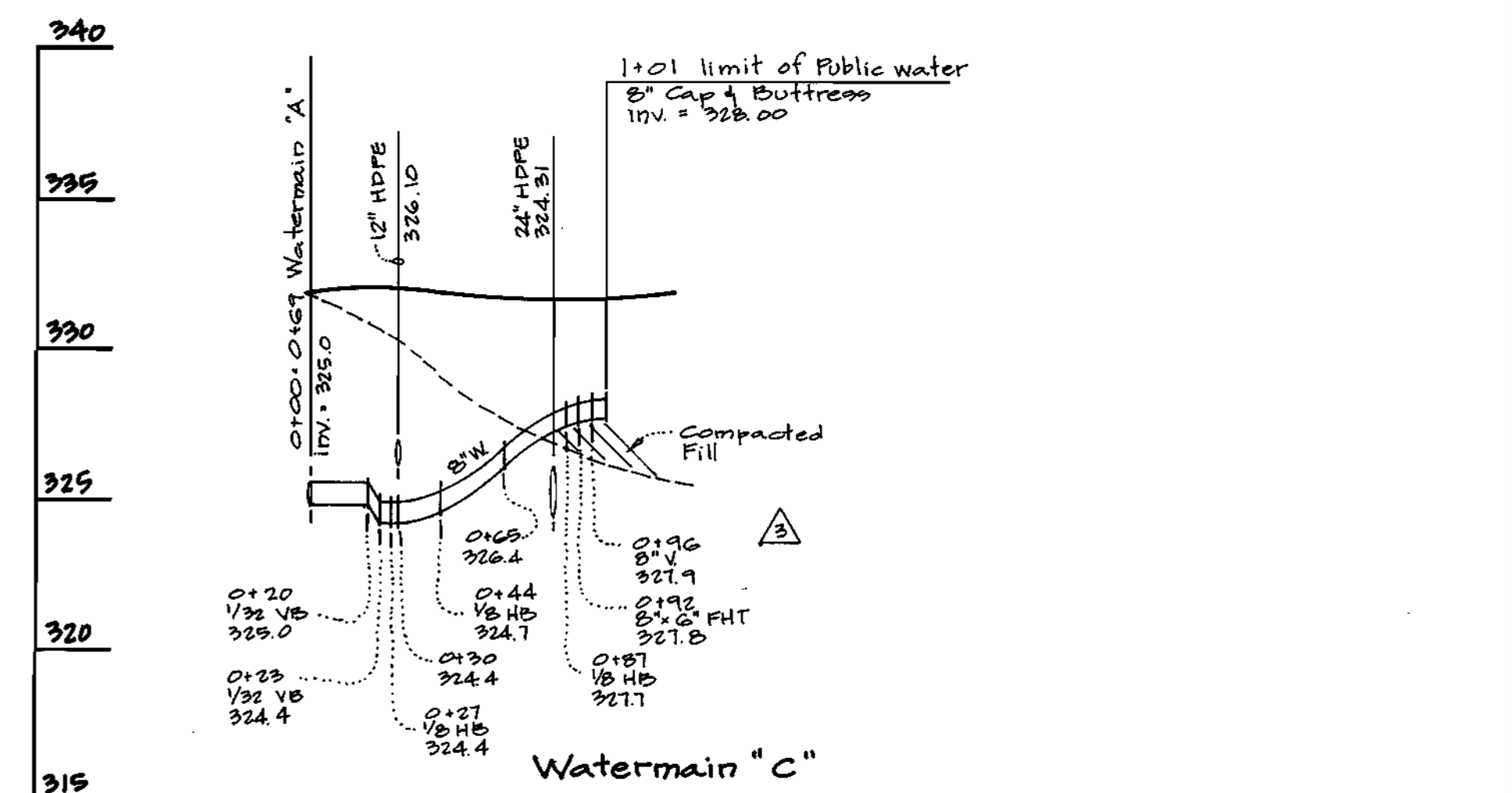
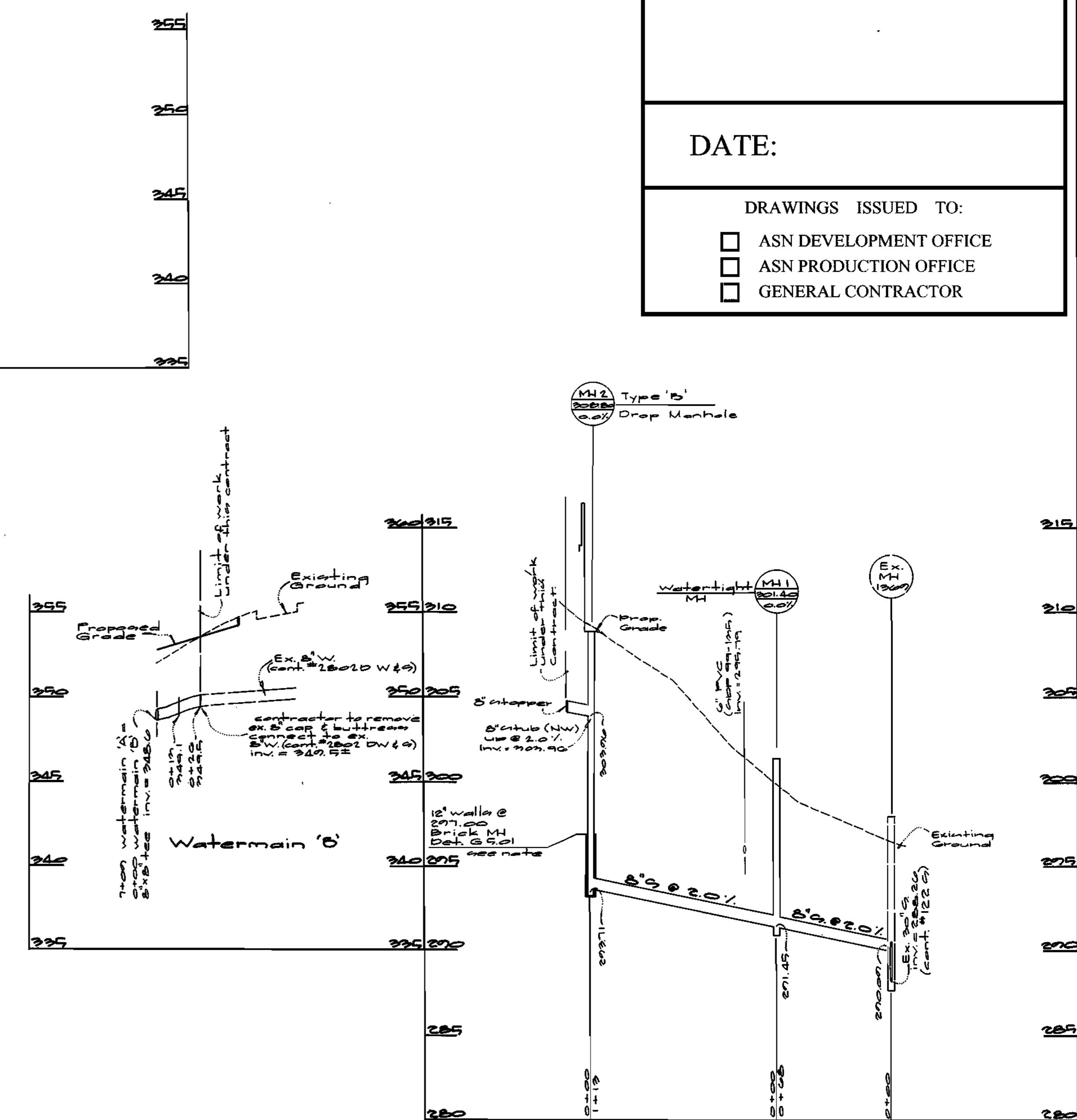
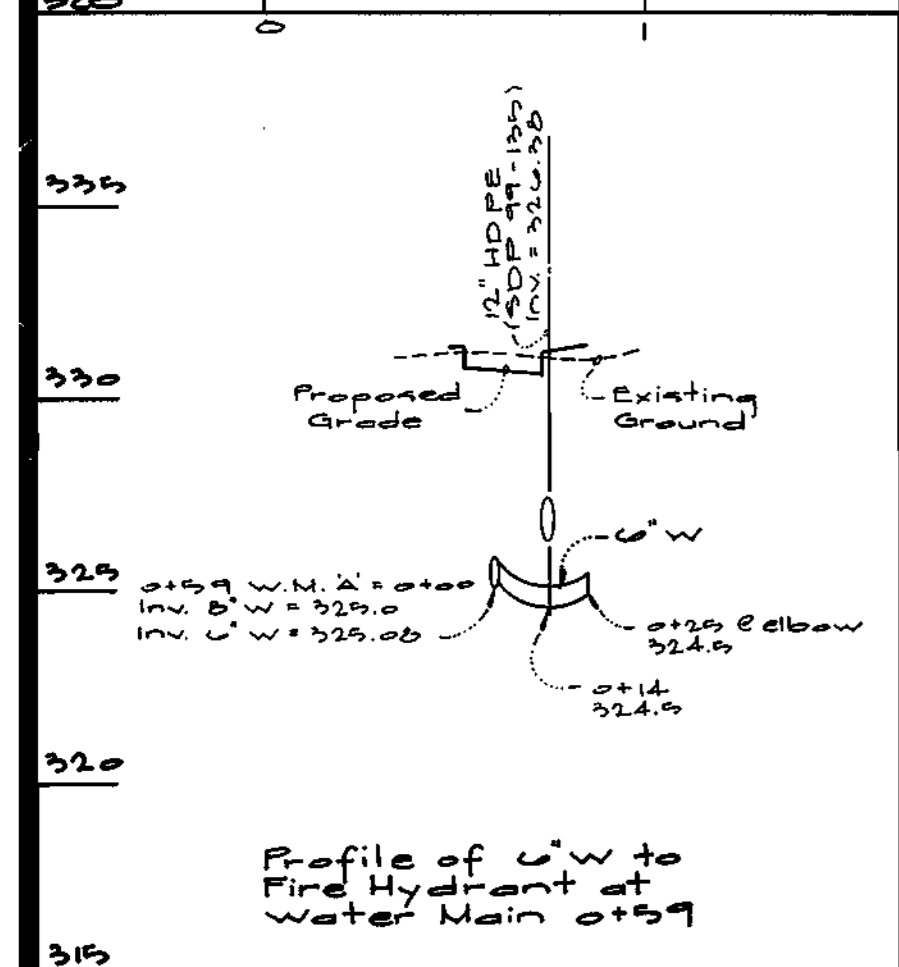
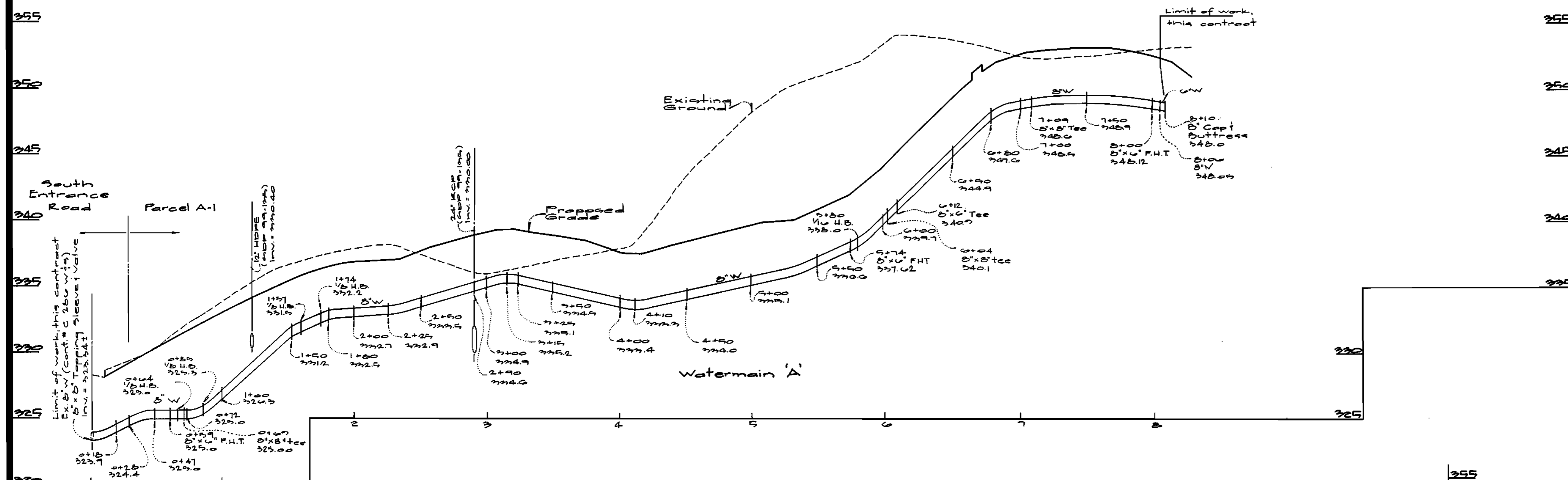
DES: DEV			
DRN: KLP			
CHK: DEV	JAW	extend public B-W and add FH near bldg 12	11/21/00
	MCF	rev. of B-W and add to SW delete B-W to 6+25	7/10/00
	MCF	Add W/C's and 8"x8" reducer	4/21/00
DATE: 2000	BY NO	REVISION	DATE

PUBLIC WATER & SEWER PLAN
Scale: 1" = 50'

COLUMBIA TOWN CENTER
CONTRACT # 24-2770-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

SCALE 1"=50'
SHEET 2 OF 3

CLARKSVILLE ELECTION DISTRICT No. 5 HOWARD COUNTY, MARYLAND



DATE:

DRAWINGS ISSUED TO:

- ASN DEVELOPMENT OFFICE
- ASN PRODUCTION OFFICE
- GENERAL CONTRACTOR

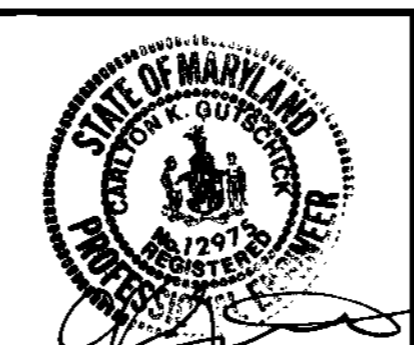
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Berger 2-2-00
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

How 2/1/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.
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: 301-421-4186



DES: DEV				
DRN: KLP				
CHK: DEV	JAL	△	Add profile for watermain 'c'	11/21/00
	MCP	Z	add watermain 'c' from 2+00 to 3+00, add 18\"/>	
	MCP	1	Add W.C.M. and 6\"/>	
DATE: 2-2-00	BY	NO	REVISION	DATE

PUBLIC WATER & SEWER PROFILE

600' SCALE MAP NO. 700 BLOCK NO. 2

COLUMBIA TOWN CENTER
CONTRACT # 24-3779-D
SECTION 1 AREA 3
PARCEL "A-1"
PLAT No. 7989

CLARKSVILLE ELECTION DISTRICT No. 5 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 2 OF 2