



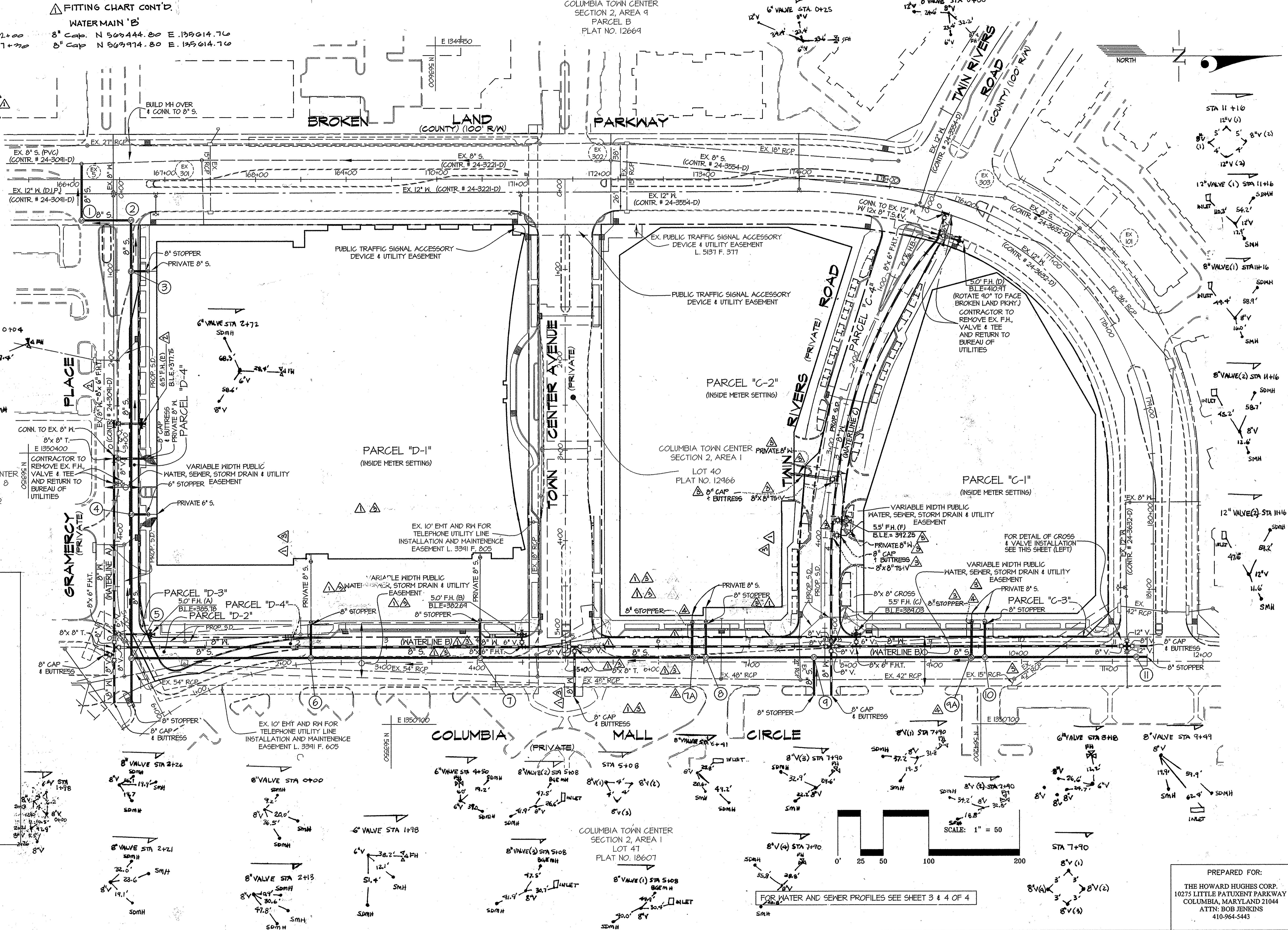
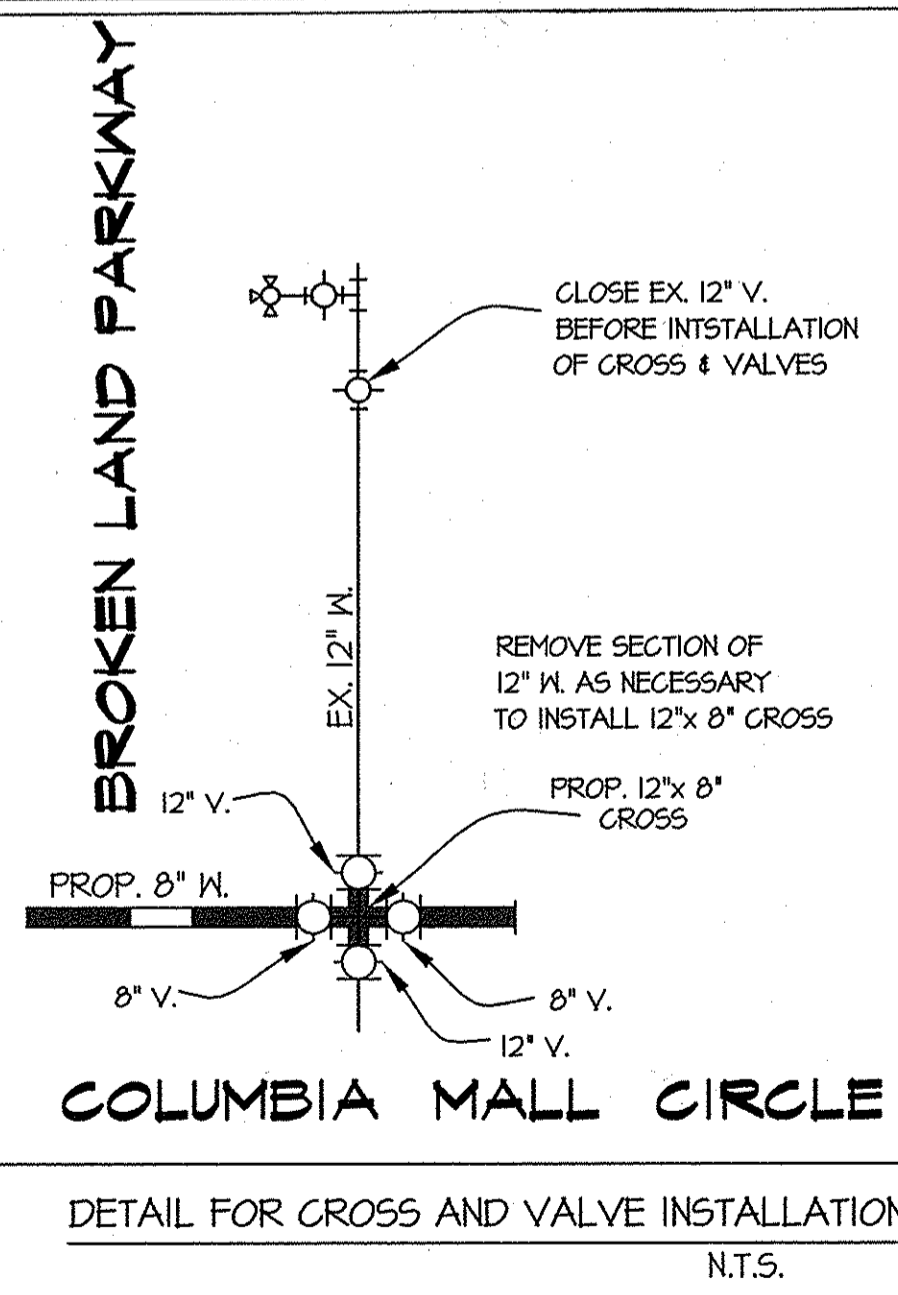


FITTING CHART			
STATION	FITTING	NAD '83/'91 COORDINATES	
WATER MAIN 'A'			
0+04	8" x 8" T.	N 563244.80	E 1350406.13
1+48	8" x 6" F.H.T.	N 563244.80	E 1350600.20
2+15	8" x 8" T.	N 563244.80	E 1350614.76
2+21	8" x 8" T.	N 563244.80	E 1350622.47
2+74	8" CAP	N 563243.80	E 1350675.80
WATER MAIN 'B'			
0+00	8" x 8" T.	N 563244.80	E 1350614.76
4+50	8" x 6" F.H.T.	N 563644.26	E 1350614.76
5+08	8" x 8" T.	N 563752.38	E 1350614.76
6+41	8" x 8" T.	N 563886.17	E 1350614.76
7+40	8" x 8" CROSS	N 564035.26	E 1350614.76
8+18	8" x 6" F.H.T.	N 564062.91	E 1350614.76
9+44	8" x 8" T.	N 564143.43	E 1350614.76
11+16	12" x 8" T.	N 564361.05	E 1350614.76
11+34	8" CAP	N 564383.48	E 1350614.76
WATER MAIN 'C'			
0+00	12" x 8" T.S. & V.	N 564161.94	E 1350135.81
0+25	8" x 6" F.H.T.	N 564154.64	E 1350154.18
0+30	8" x 1/2" H.B.	N 564152.85	E 1350164.90
5+07	8" x 8" CROSS	N 564035.26	E 1350614.76

FIRE HYDRANT CHART		
FH	NAD '83/'91 COORDINATES	
A	N 563284.61	E 1350600.34
B	N 563644.26	E 1350601.04
C	N 564062.91	E 1350601.04
D	N 564116.67	E 1350166.13
E	N 563274.91	E 1350361.71
F	N 564052.16	E 1350476.34

SEWER MANHOLE CHART		
MH	NAD '83/'91 COORDINATES	
1	N 563204.41	E 1350142.24
2	N 563263.80	E 1350142.30
3	N 563263.80	E 1350148.40
4	N 563263.80	E 350461.78
5	N 563263.80	E 1350626.76
6	N 563461.63	E 1350626.76
7	N 563648.25	E 1350626.76
8	N 563847.17	E 1350626.76
9	N 564016.26	E 1350626.76
10	N 564204.43	E 1350626.76
11	N 564371.48	E 1350626.76
7A	N 563882.17	E 1350626.76
9A	N 564189.43	E 1350626.76

FITTING CHART CONTINUED			
STATION	FITTING	NAD '83/'91 COORDINATES	
3+22	8" CAP	N 564006.36	E 1350425.41
3+23	8" x 8" T & V	N 564041.95	E 1350431.02
3+67	8" x 6" F.H.T. & V	N 564031.20	E 1350415.22
3+84	8" x 8" T & V	N 564036.16	E 1350418.83
3+84	8" CAP	N 564046.15	E 1350442.34



PREPARED FOR:  
THE HOWARD HUGHES CORP.  
10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044  
ATTN: BOB JENKINS  
410-964-5443

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Steve Clem* 2/13/13  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
*Bob Jenkins* 3/11/13  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

GLW GUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONVILLE OFFICE PARK  
BURTONVILLE, MARYLAND 20866  
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186  
G.L.W. No. 11053

DATE JAN., 2013  
PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 14931  
EXP. DATE: MAY 21, 2014

BY	NO	REVISION	DATE
3+	1	Add 2 sewer house connections	5-17-10
3+	2	REMOVE W/C FOR C1 and C2 FROM CMC, ADD TO TRR	8-20-10
3+	3	AS-BUILT REVISIONS	7/10/11
3+	4	ADDED F.H.(E)	7/11/14
3+	5	Delineate Water-Line B from 2+00 to 7+00 as future	11/26/15

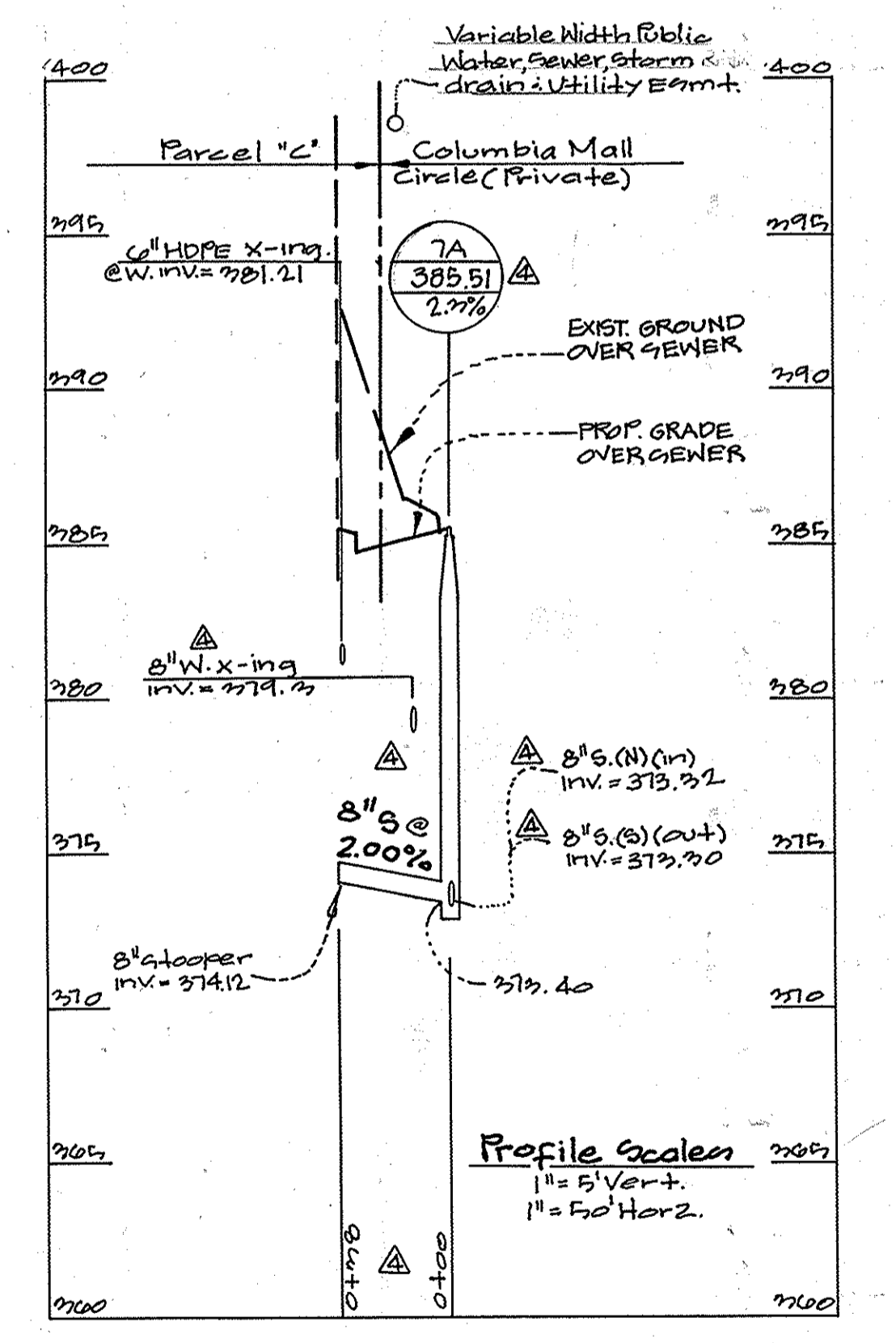
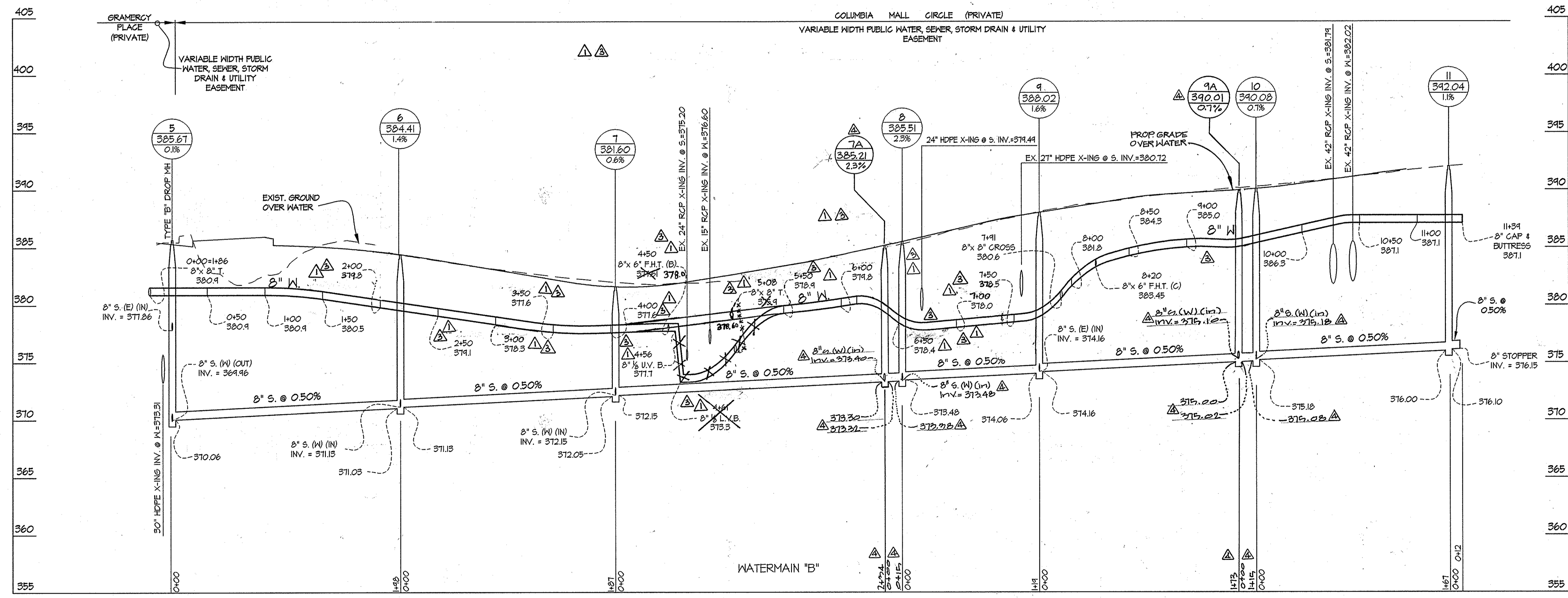
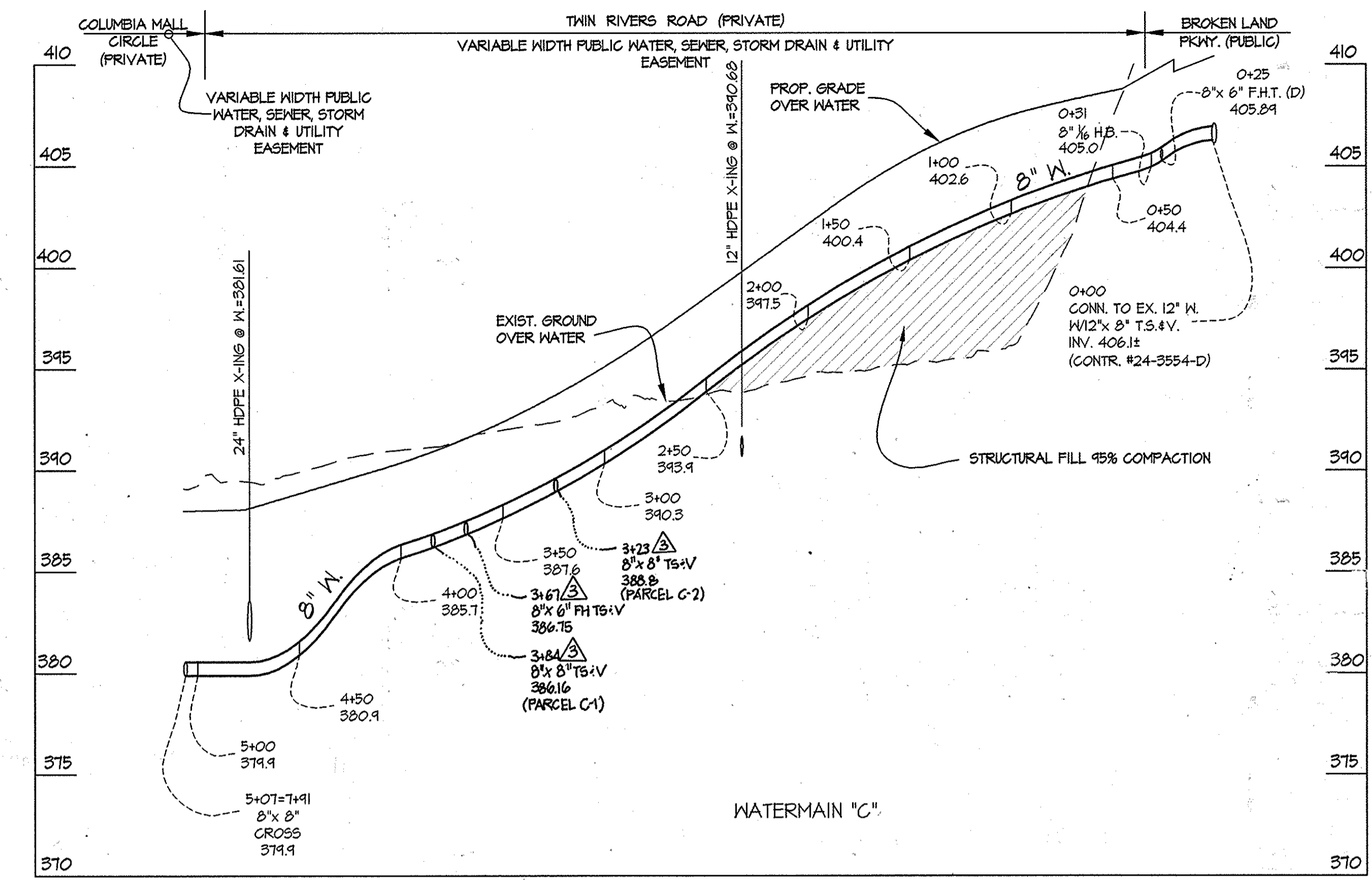
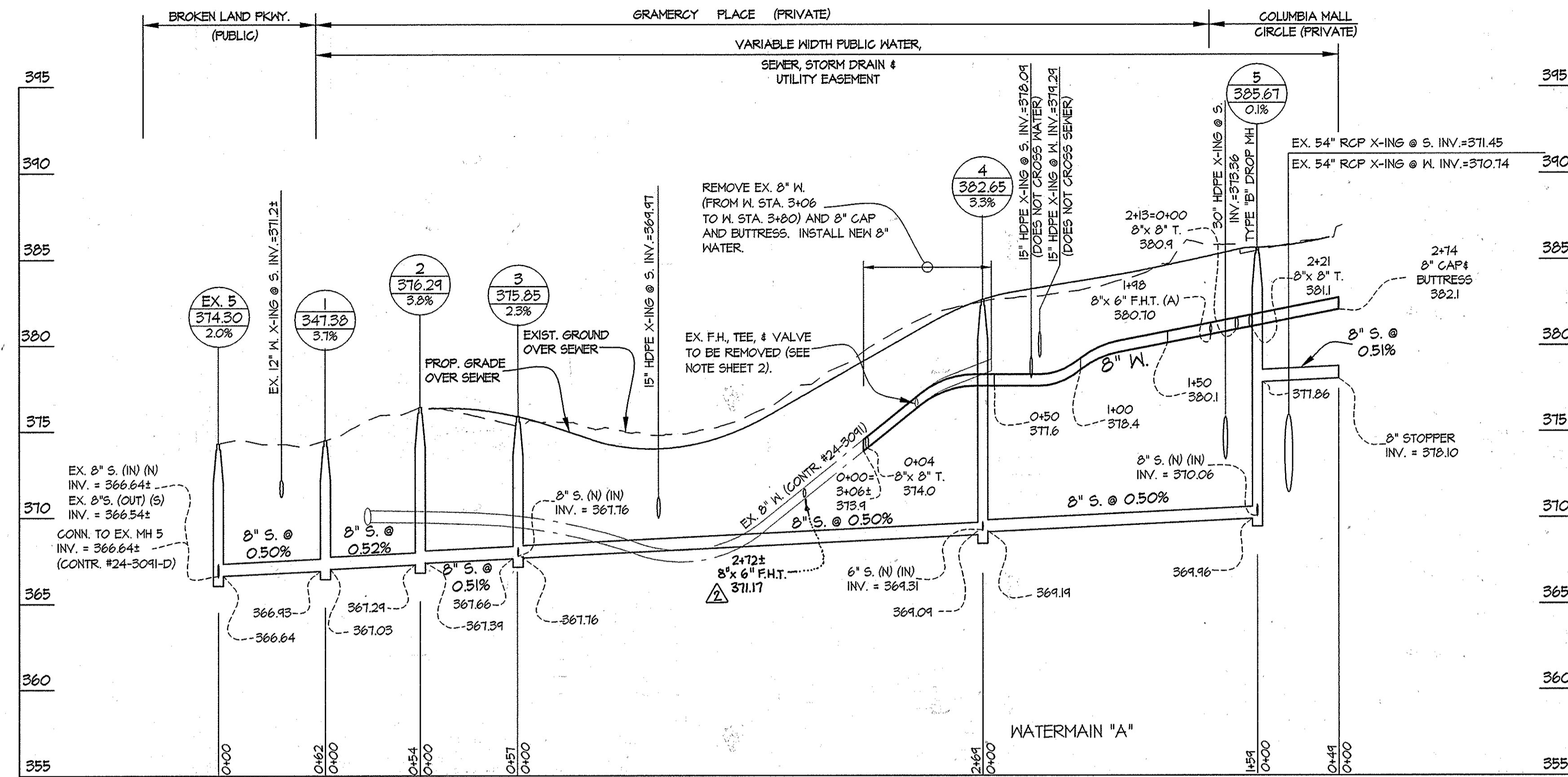
WATER & SEWER EXTENSION PLAN  
600' SCALE MAP NO. 36 BLOCK NO. 01

DOWNTOWN COLUMBIA  
WARFIELD NEIGHBORHOOD  
CONTRACT No. 24-4758-D  
PARCELS C-1 THRU C-4  
AND D-1 THRU D-4  
AND COLUMBIA TOWN CENTER  
LOTS 40 & 47, SECTION 2 AREA 1 &  
PARCEL E, SECTION 2 AREA 8  
HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT No. 5

SCALE  
1" = 50'  
SHEET  
2 OF 4

L:\CADD\PROJECTS\11053\11053.dwg PLOTTED: 2/13/13 10:53 AM LAST SAVER: 2/13/2013 6:03 PM PLOTTED BY: Mike Troppan





FOR WATER AND SEWER PLAN SEE SHEET 2 OF 4

PREPARED FOR:  
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10275 LITTLE PATUXENT PARKWAY  
COLUMBIA, MARYLAND 21044  
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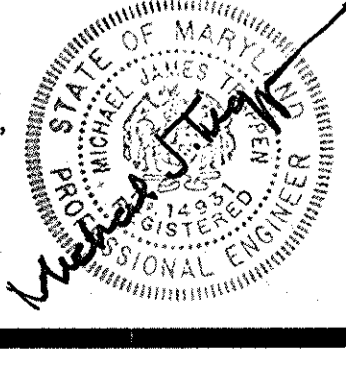
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

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BURTONSVILLE, MARYLAND 20886  
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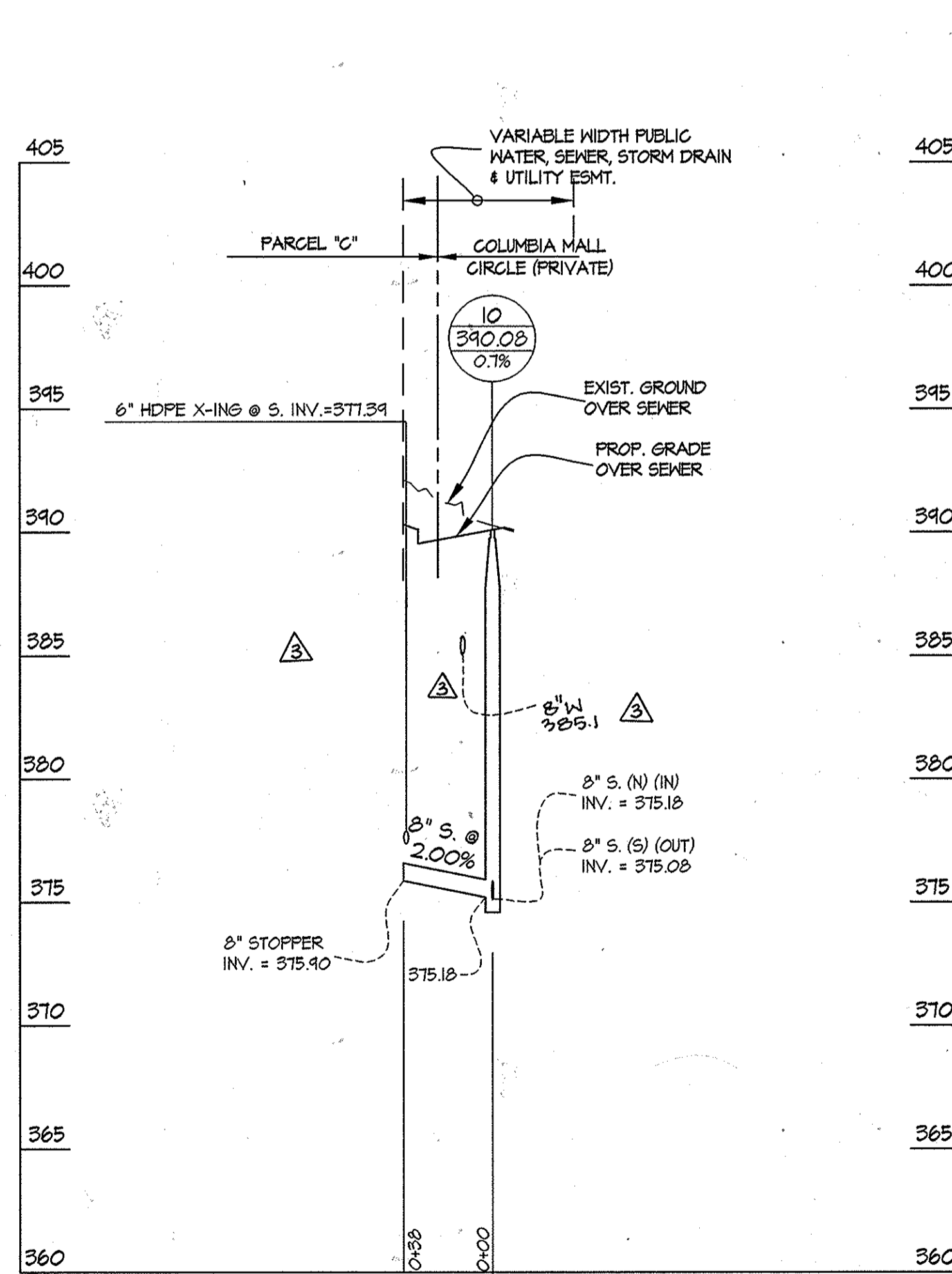
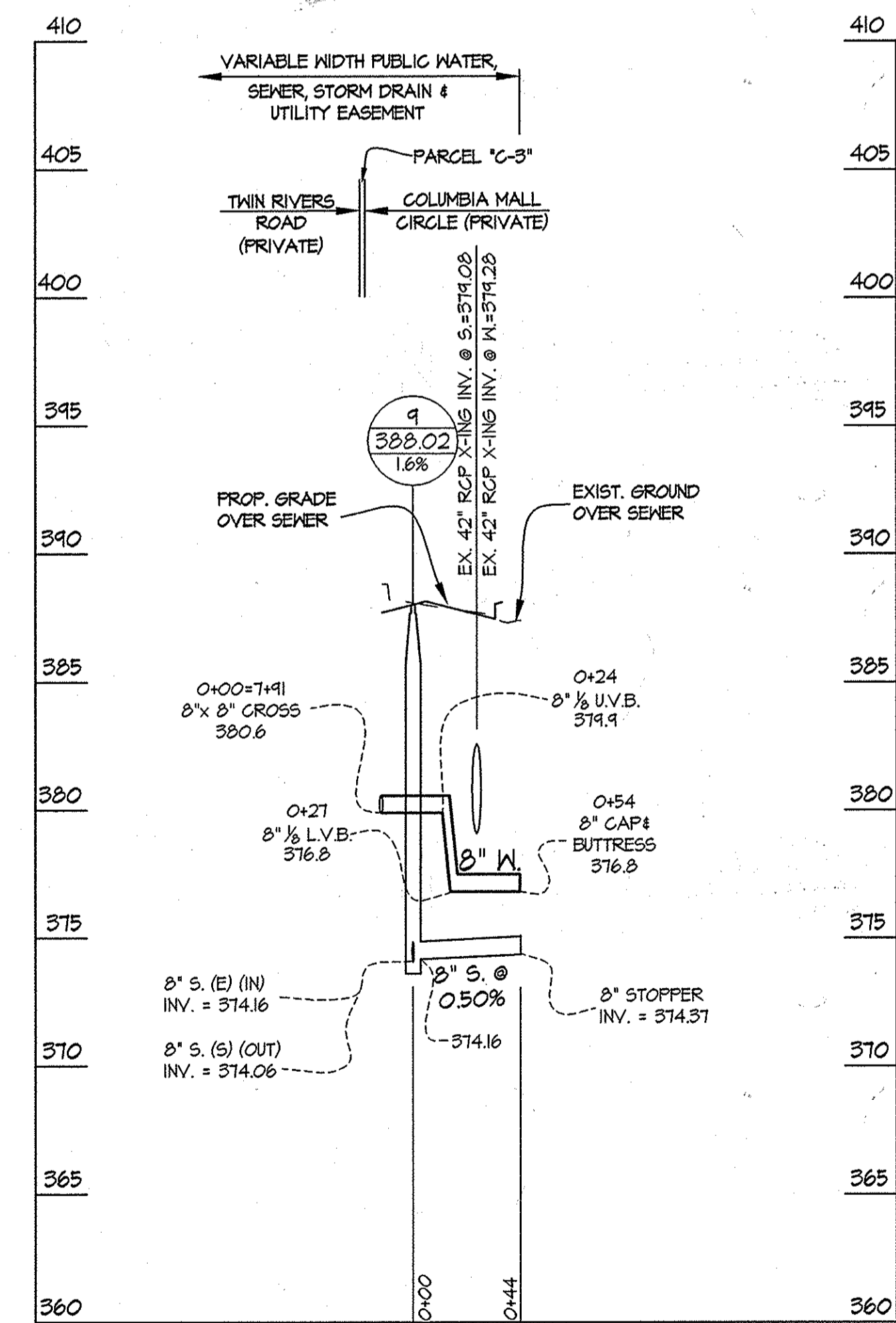
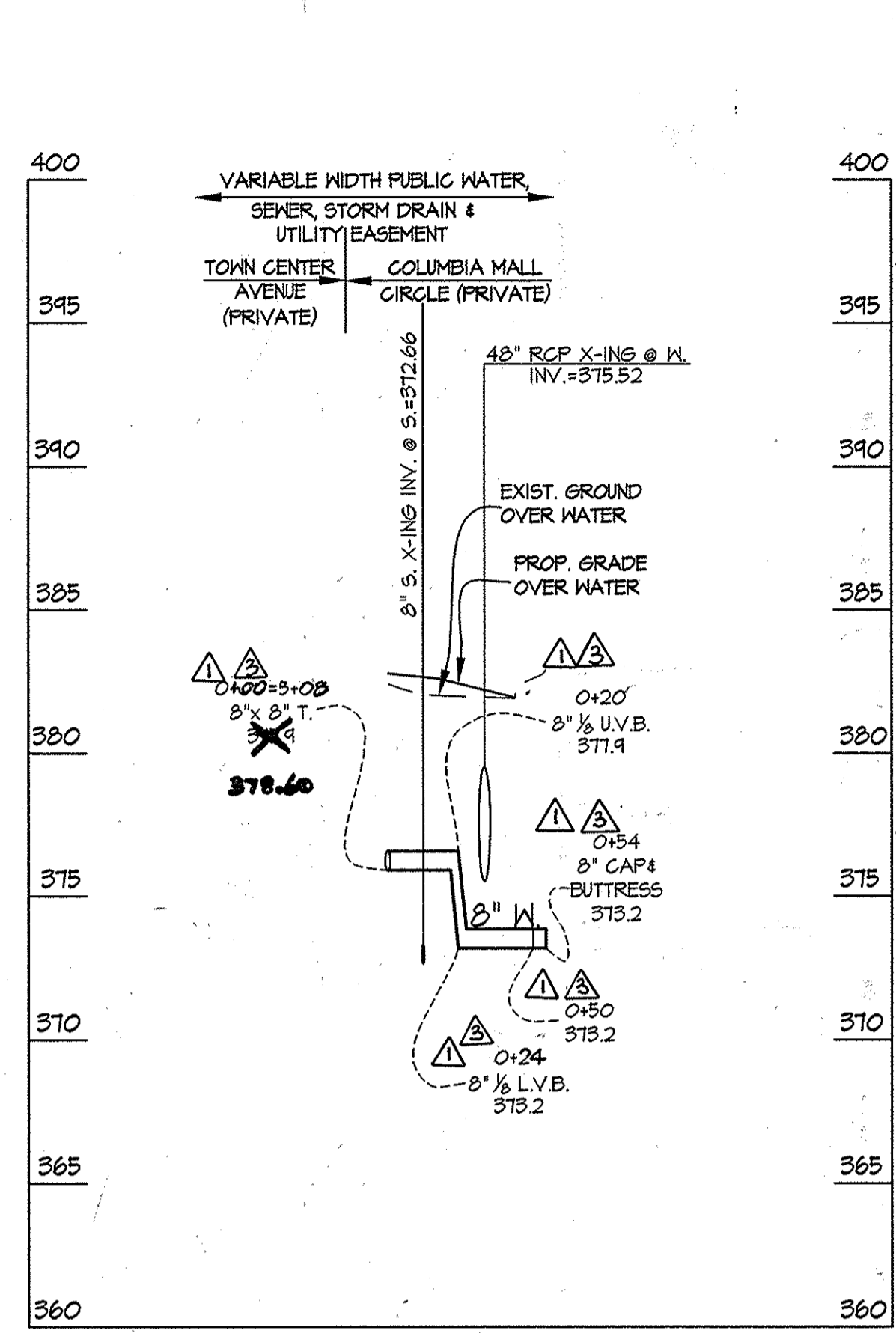
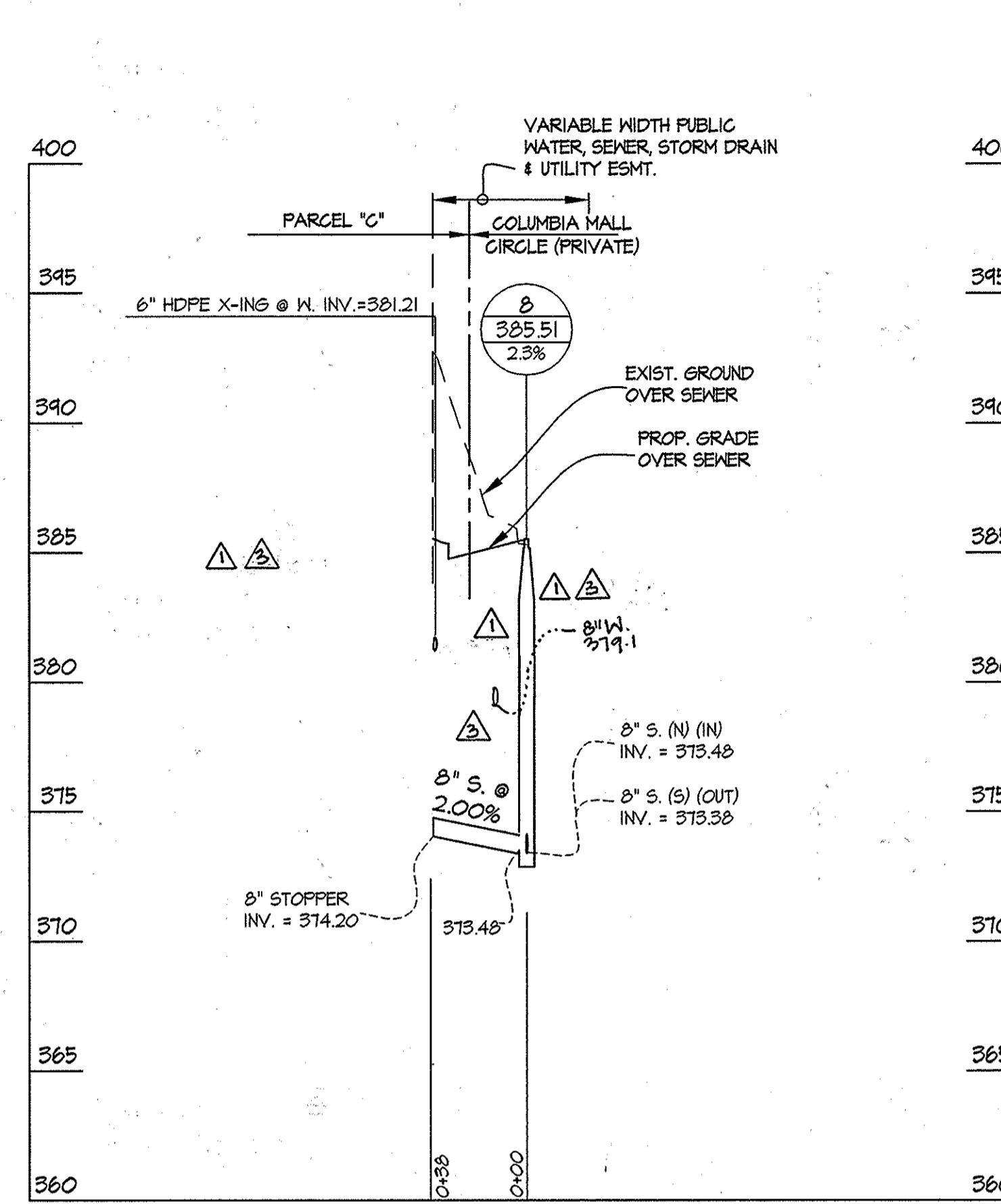
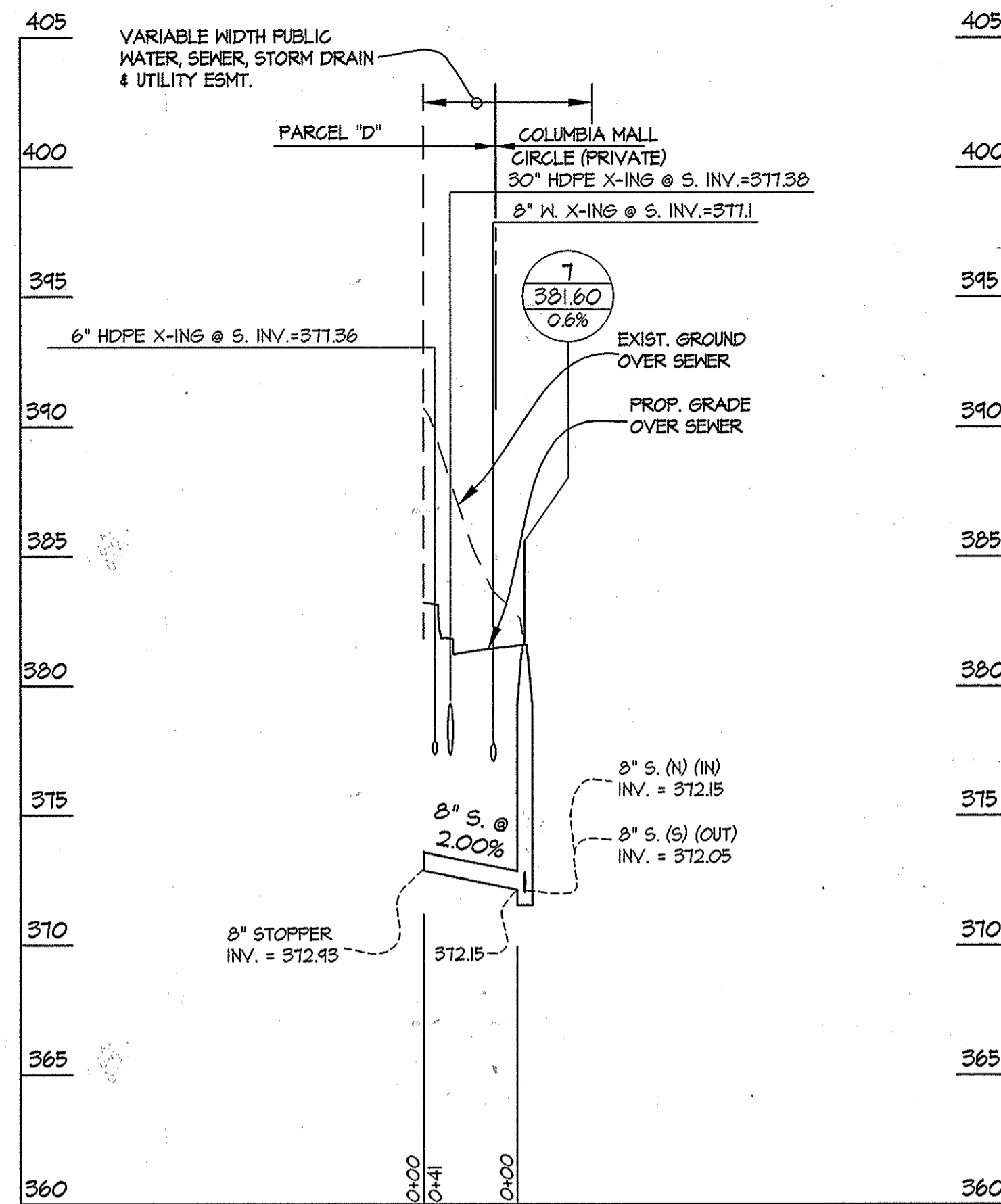
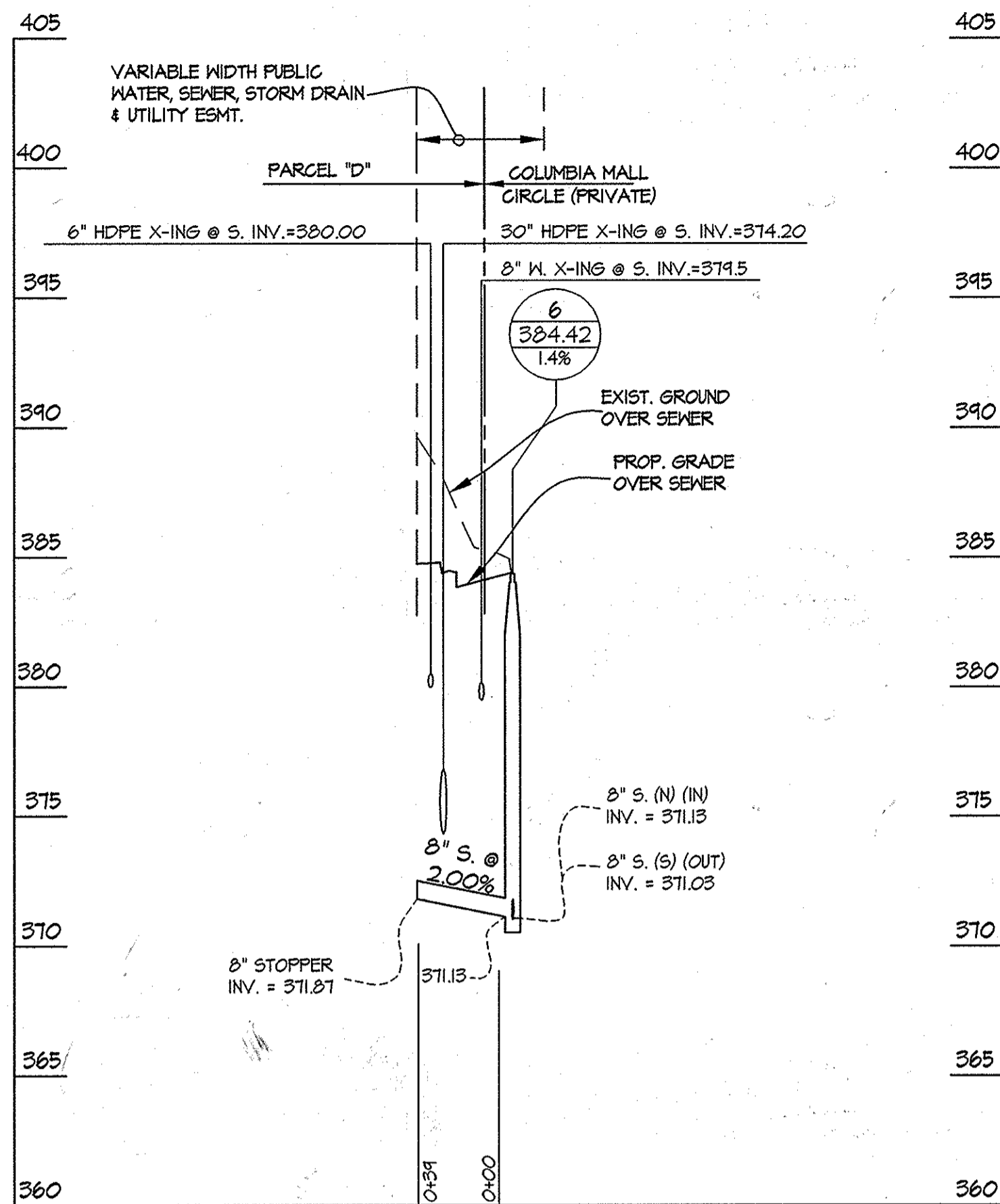


BY	NO	REVISION	DATE
3+	1	Add 2 Sewer House Connections	5-17-10
3+	2	REMOVE MHC FOR C1 AND C2 FROM CMG, ADD TO TRR	8-10-10
3+	3	AS-BUILT REVISIONS	10/1/14
3+	4	ADDED F.H.(E)	7/11/14
3+	5	Delineate Water Line B From 2+00 to 1+00 An Future	11/20/13

WATER & SEWER EXTENSION PROFILES  
600' SCALE MAP NO. 36 BLOCK NO. 01

**DOWNTOWN COLUMBIA**  
WARFIELD NEIGHBORHOOD  
CONTRACT NO. 24-4758-D  
PARCELS C-1 THRU C-4  
AND D-1 THRU D-4  
AND COLUMBIA TOWN CENTER  
LOTS 40 & 47, SECTION 2 AREA 1 &  
PARCEL E, SECTION 2 AREA 8  
HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT No. 5

SCALE  
AS SHOWN  
SHEET  
3 OF 4



PROFILE SCALES:  
1" = 5' VERT.  
1" = 50' HORZ.

FOR WATER AND SEWER PLAN SEE SHEET 2 OF 4

PREPARED FOR:  
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410-964-5443

L:\CADD\DRAWINGS\WSP\PLANS BY GHW\WSP-SEWER\FINAL\WSP-03-04.dwg  
PLOTTED: 2/6/2013 10:10 AM. LAST SAVED: 2/5/2013 6:03 PM. PLOTTED BY: Mike Trogan

DEPARTMENT OF  
PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Steve Chern*  
CHIEF, BUREAU OF UTILITIES

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*Michael J. Taylor*  
MICHAEL J. TAYLOR  
PROFESSIONAL ENGINEER

BY	NO	REVISION	DATE
3t	1	Add 2 sewer House connections	5-17-10
3t	2	REMOVE MHC FOR C1 AND C2 FROM CMG, ADD TO TRR	8-10-10
3t	2	RE-BUILT MANHOLES	9/10/10
3t	2	Revised Water Profile @ Water Line & Sta. 2+82 to be future.	
3t	2	Revised Water Profile @ MHC & to be Future	11/20/10

WATER & SEWER EXTENSION  
PROFILES  
600' SCALE MAP NO. 36  
BLOCK NO. 01

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PARCELS C-1 THRU C-4  
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LOTS 40 & 47, SECTION 2 AREA 1 &  
PARCEL E, SECTION 2 AREA 8  
HOWARD COUNTY, MARYLAND  
ELECTION DISTRICT No. 5

SCALE  
AS SHOWN  
SHEET  
4 OF 4