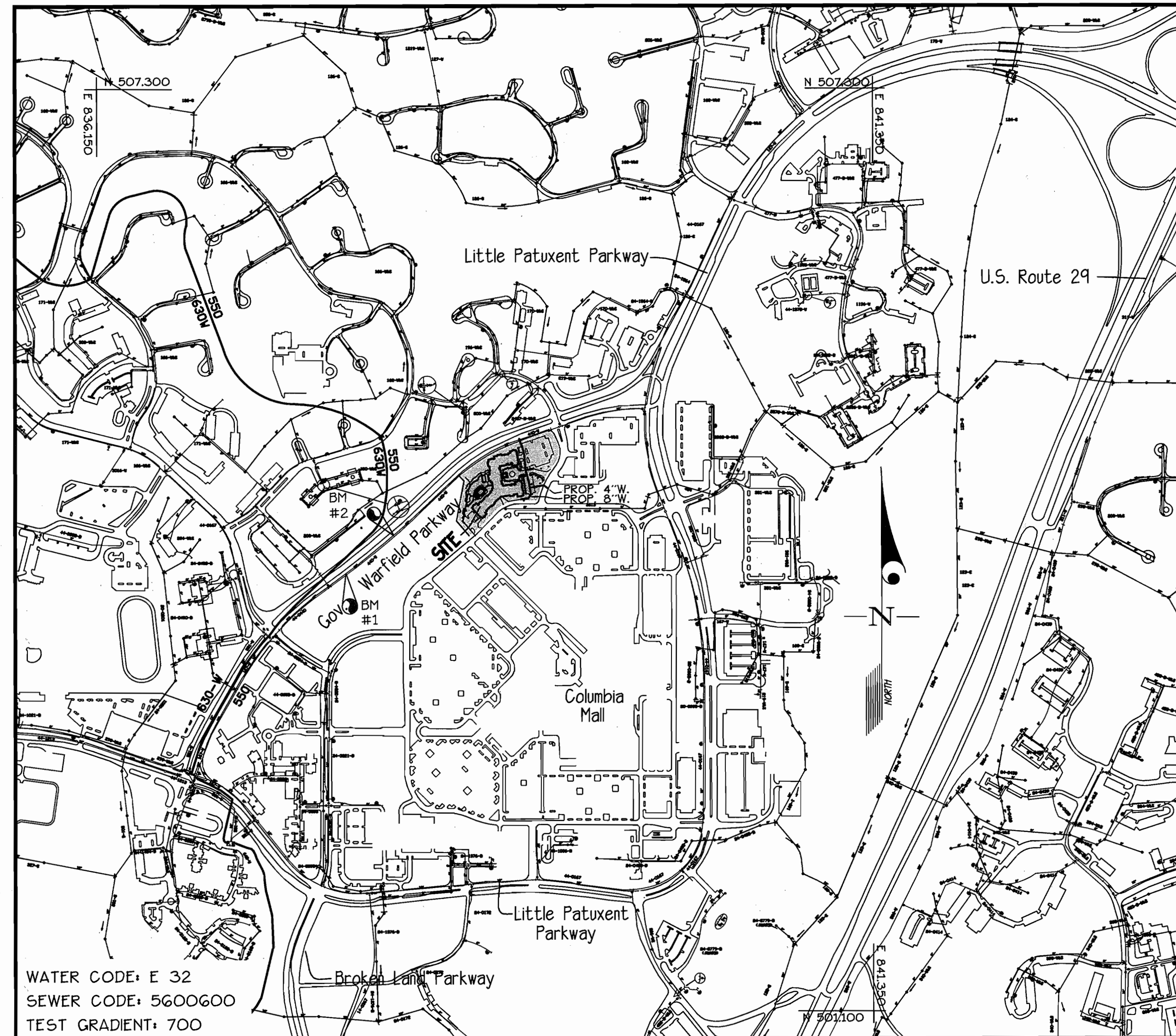


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
4" W	133 L.F.			
6" W	62 L.F.			
8" W	494 L.F.			
12" x 8" T.S.V.	1 EA.			
8" 1/8 HB	2 EA.			
4" 1/8 HB	1 EA.			
8" x 6" FHT	2 EA.			
FH	2 EA.			
8" x 4" TEE	1 EA.			
4" CAP	1 EA.			
8" CAP	1 EA.			
4" VALVE	2 EA.			
6" VALVE	3 EA.			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIV.		CHECKBOX AS-BUILT DATE:		

**BENCH MARKS**

BM #1 (GLW TRAV. 9001) TOP OF REBAR + CAP IN MEDIAN OF GOV. WARFIELD PARKWAY, 250' +/- OF INTX. OF TWIN RIVERS ROAD. ELEV.= 431.22

BM #2 (GLW TRAV. 9002) TOP OF REBAR + CAP EAST SIDE OF GOV. WARFIELD PARKWAY BEHIND ASPHALT PATH, 1000' +/- EAST OF INTX. OF TWIN RIVERS ROAD. ELEV.= 404.76



WATER CODE: E 32  
SEWER CODE: 5600600  
TEST GRADIENT: 700

VICINITY MAP  
SCALE: 1" = 600'

TYPE OF BUILDING	SENIOR HOUSING
NUMBER OF UNITS	156
NUMBER OF S.H.C.'s	N/A
NUMBER OF W.H.C.'s	2 (1-PARCEL A, 1-LOT 39)
DRAINAGE AREA	LITTLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WATER RECLAMATION PLANT

**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 SERVICE. 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 NAVD 88.
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
  - CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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 TO 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:

AT+T	1-800-252-1133
STATE HIGHWAY ADMINISTRATION	410-531-5533
BGE CONTRACTOR SERVICES	410-850-4620
BGE UNDER GROUND DAMAGE CONTROL	410-787-4068
WES UTILITY	1-800-257-7777
COLONIAL PIPELINE CO.	410-795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	410-313-4900
BUREAU OF UTILITIES	1-800-743-0033/410-224-9210
VERIZON	1-800-743-0033/410-224-9210
  - 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) 313-7450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(C) 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'-6" 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 INSTALLED 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 FAMILY 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.

CONTRACT No. 44-4133-D  
COLUMBIA TOWN CENTER  
SECTION 2 AREA 8, PARCEL A  
SECTION 2 AREA 1, LOTS 39, 41 AND 47  
HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS + WITH SITE DEVELOPMENT PLAN SDP-03-80 + CP 03-28 FOR SEDIMENT + EROSION CONTROL.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

*Jim Myler* 7/17/03  
SIGNATURE DATE  
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 V. White* 7/17/03  
HOWARD S.C.D. DATE

GLW FILE #02033  
WS1.dwg

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Ruth Beaman* 7-10-02  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
*John V. White* 7/24/03  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

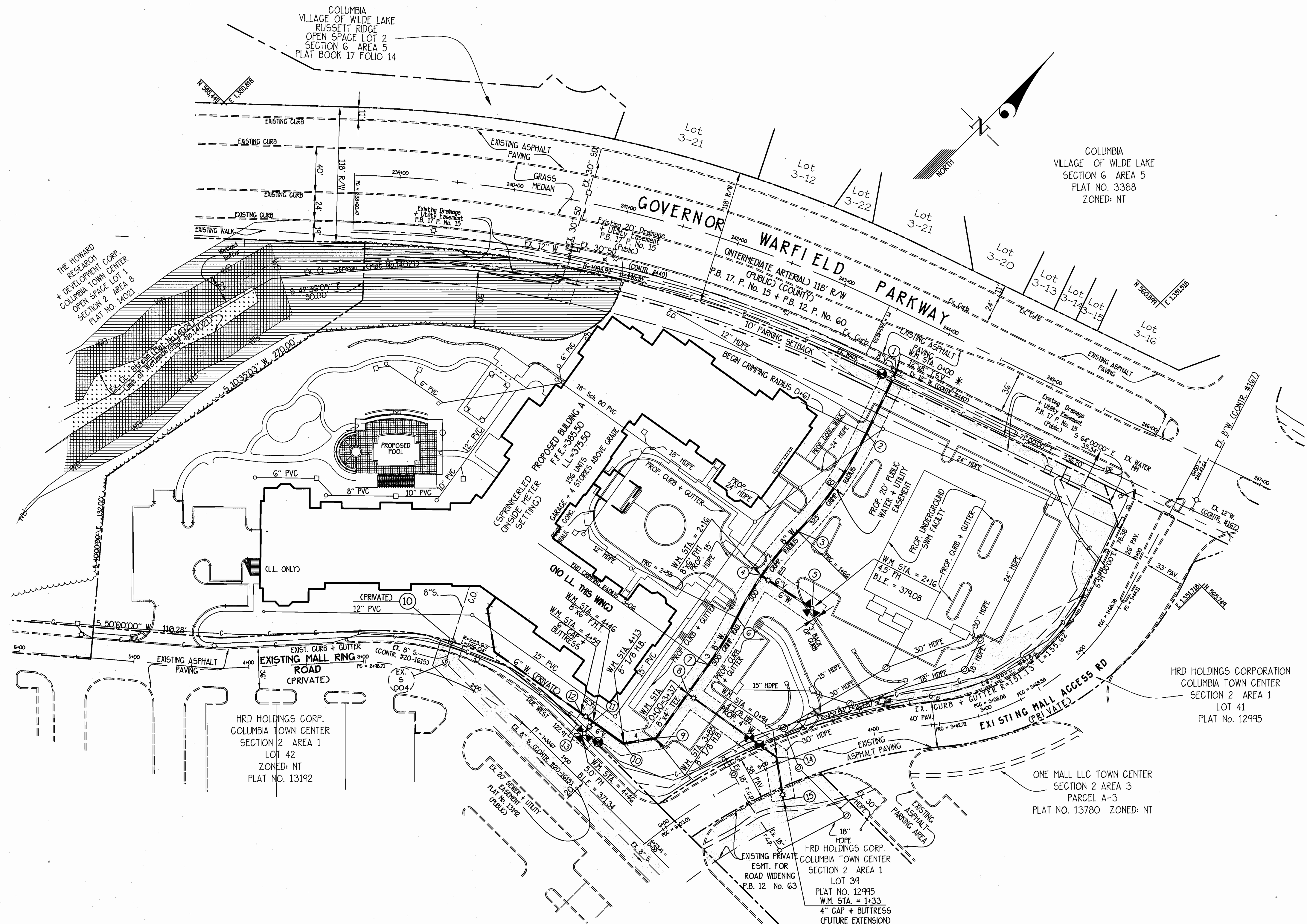
GLW GUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MARYLAND 20866  
TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



DES: Wsj					
DRN: Wsj					
CHK: rot					
DATE: JUNE 2003	BY	NO	REVISION	DATE	

COVER SHEET  
SCALE AS SHOWN  
600' SCALE MAP NO. 30+36 BLOCK NO. 19+1

COLUMBIA TOWN CENTER  
SECTION 2 AREA 8, PARCEL A  
SECTION 2 AREA 1, LOT 39, 41 AND 47  
CONTRACT No. 44-4133-D  
ELECTION DISTRICT No. 6  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 1 OF 3



• NOTE: EXISTING PIPE MATERIAL IS EITHER CAST IRON OR DUCTILE IRON PIPE CONTRACTOR TO VERIFY PIPE MATERIAL PRIOR TO CONSTRUCTION

NOTE: CONTRACTOR SHALL TEST PIT EXISTING UTILITIES + NOTIFY ENGINEER IF THE LOCATION IS OTHER THAN SHOWN. SEE GENERAL NOTE 7.

COORDINATE TABLE			
①	12" x 8" T.S.+V.	N 565.696	E 1.351.397
②	P.C.	N 565.638	E 1.351.417
③	P.R.C.	N 565.536	E 1.351.436
④	12" x 6" F.H.T.	N 565.486	E 1.351.440
⑤	FIRE HYDRANT	N 565.496	E 1.351.491
⑥	P.R.C.	N 565.445	E 1.351.451
⑦	P.T.	N 565.399	E 1.351.467
⑧	8" x 4" TEE	N 565.368	E 1.351.397
⑨	8" 1/8 H.B.	N 565.321	E 1.351.475
⑩	8" 1/8 H.B.	N 565.298	E 1.351.459
⑪	8" x 6" F.H.T.	N 565.293	E 1.351.426
⑫	6" CAP	N 565.290	E 1.351.413
⑬	FIRE HYDRANT	N 565.280	E 1.351.428
⑭	4" 1/8 H.B.	N 565.383	E 1.351.561
⑮	4" CAP	N 565.361	E 1.351.592

PLAN VIEW  
SCALE: 1" = 50'

GLW FILE #02033  
WS2.dwg

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
7-10-03  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
7/29/03  
DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.  
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
3904 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
BURTONSVILLE, MARYLAND 20666  
TEL: 301-421-4024 BALTIMORE 410-980-1800 DC/VA 301-984-2524 FAX: 301-421-4186

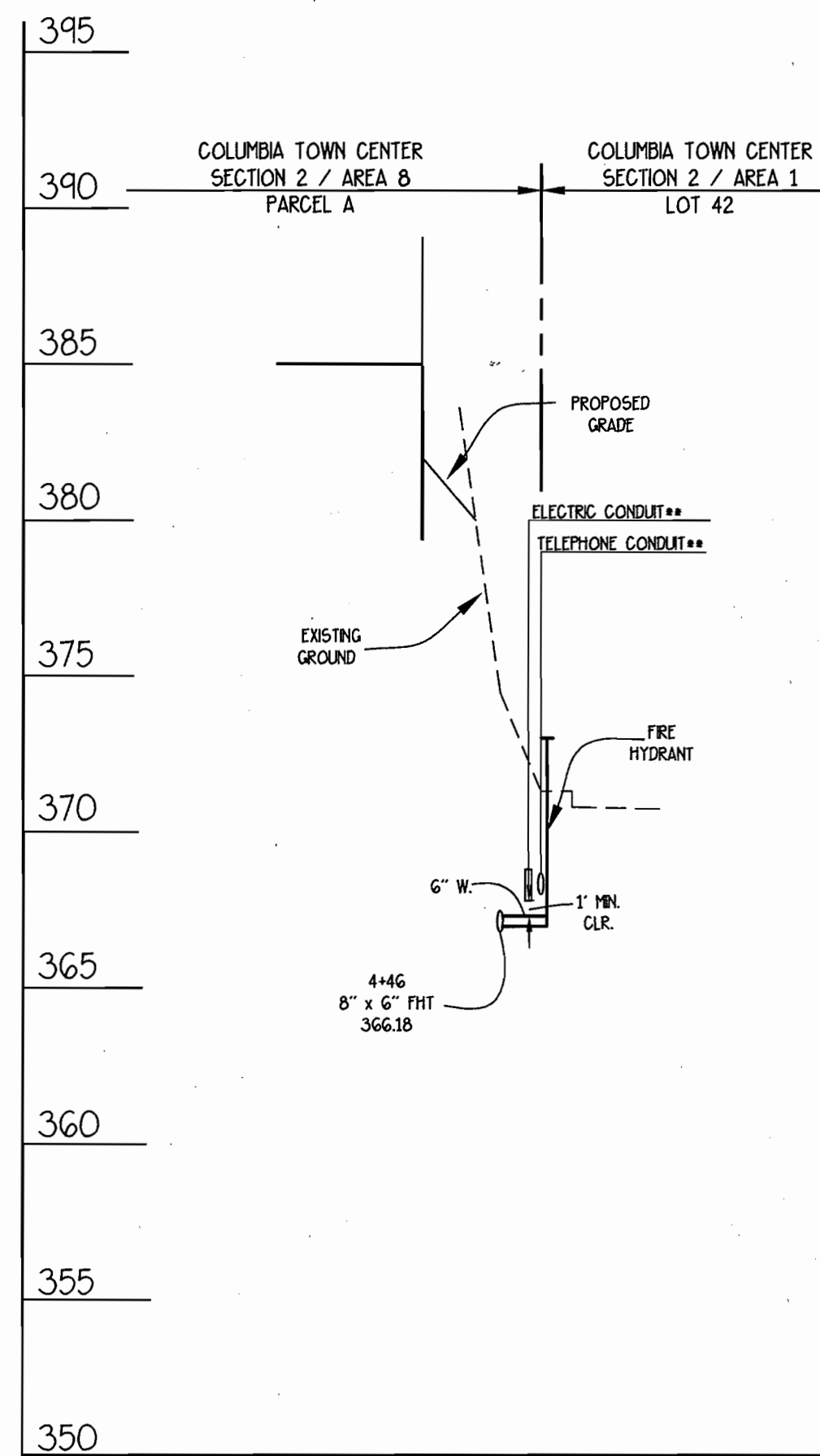
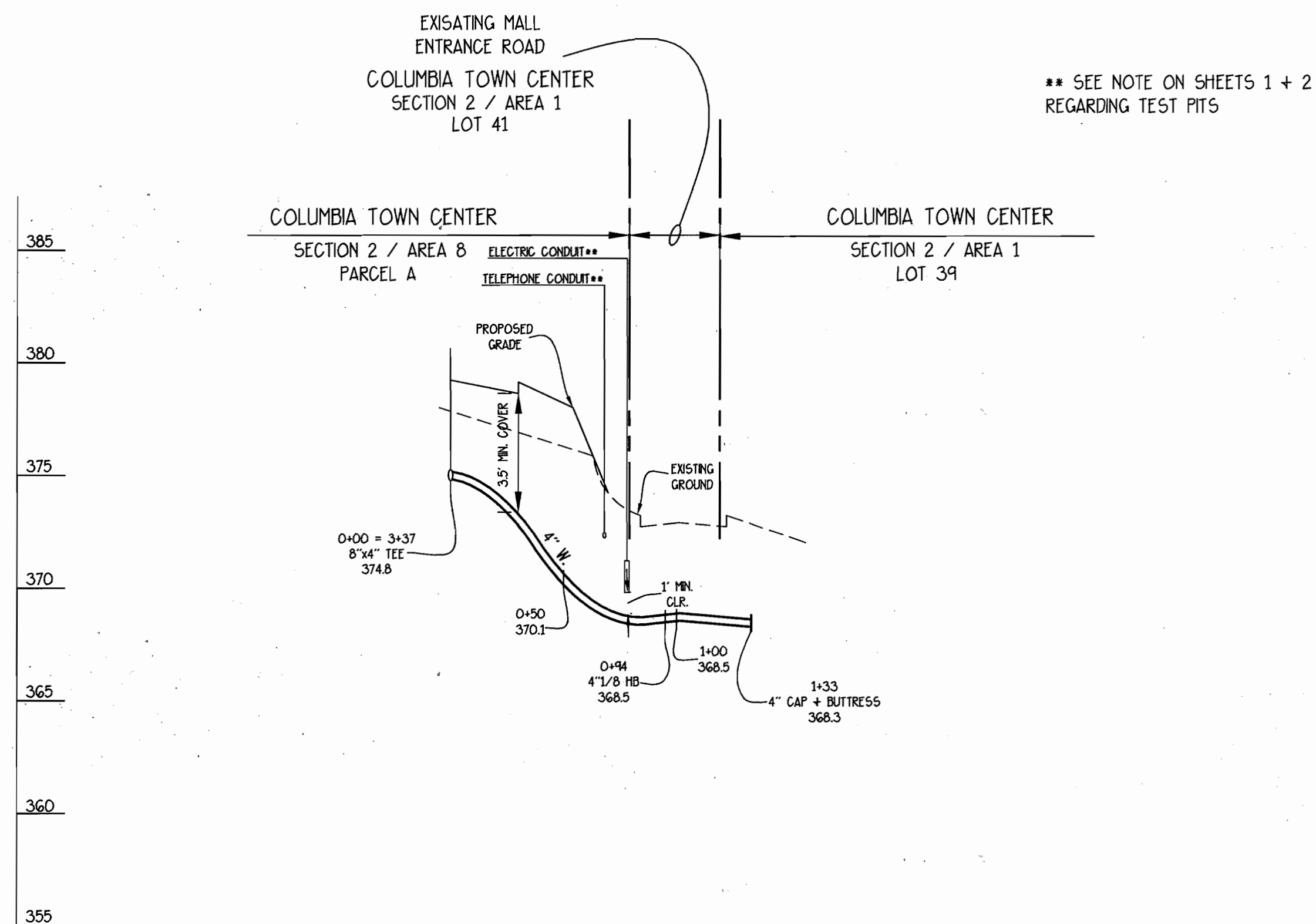
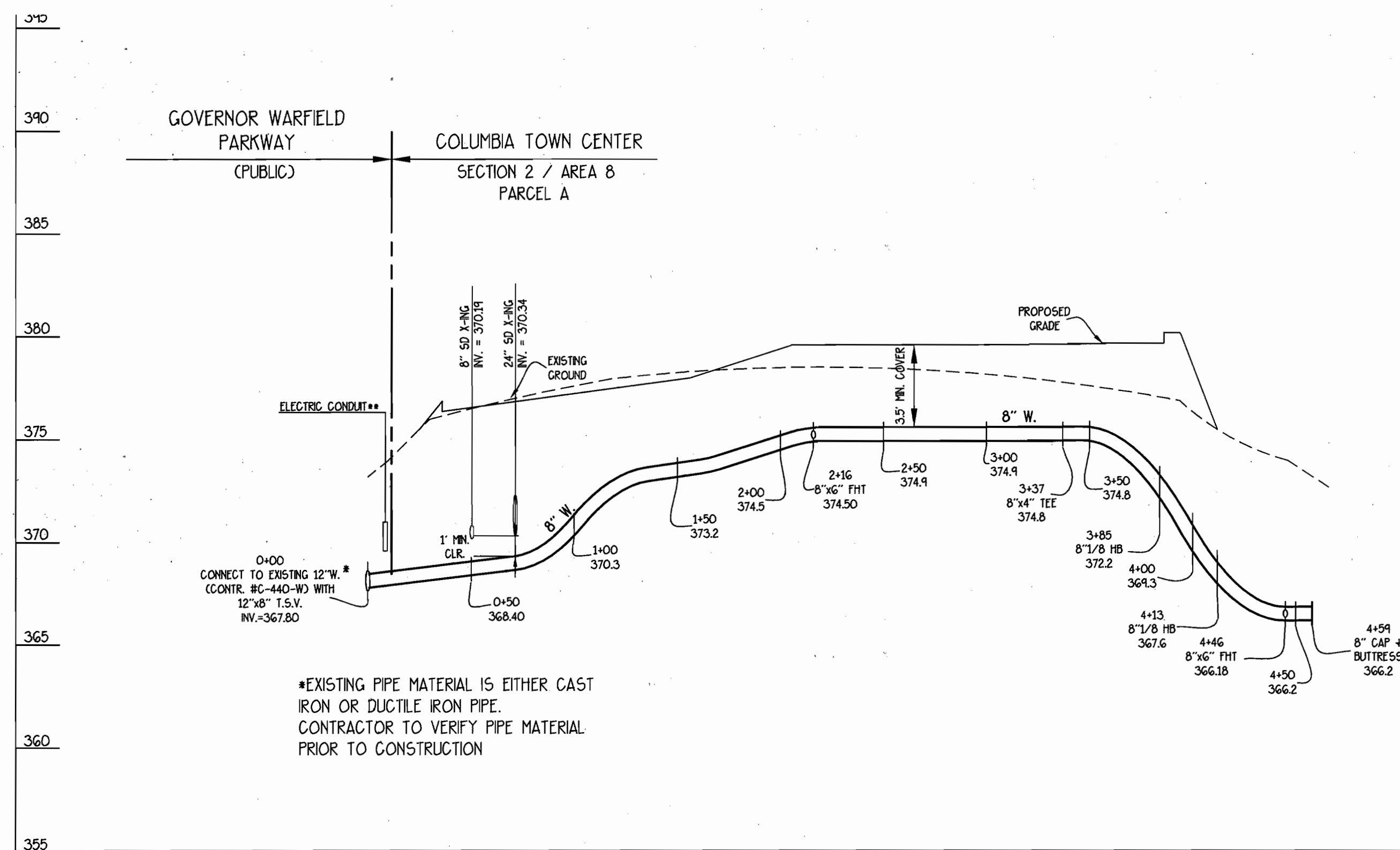


DESIGNER	DATE	BY	NO	REVISION	DATE
DRN:KLP/WSJ	JUNE 2003				

WATER EXTENSION PLAN  
600' SCALE MAP NO. 30+36 BLOCK NO. 1941

COLUMBIA TOWN CENTER  
SECTION 2 AREA 8, PARCEL A  
SECTION 2 AREA 1, LOTS 39, 41 AND 47  
CONTRACT No. 44-4133-D

SCALE AS SHOWN  
SHEET 2 OF 3



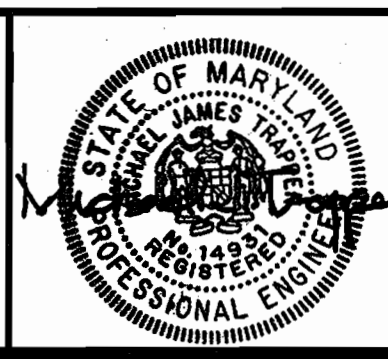
**PROFILES**  
 SCALES: 1" = 50' HORZ.  
 1" = 5' VERT.

GLW FILE #02033  
 W52.dwg

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 R. H. Bump 7-10-03  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 M. Damann 7/27/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**GLW GUTSCHICK LITTLE & WEBER, P.A.**  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3409 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MARYLAND 20886  
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-991-2524 FAX: 301-421-4186



DES: W&J					
DRN: W&J					
CHK: dt					
DATE: JUNE 2003	BY	NO	REVISION	DATE	

**WATER EXTENSION PLAN**  
 600' SCALE MAP NO. 30+36 BLOCK NO. 19+1

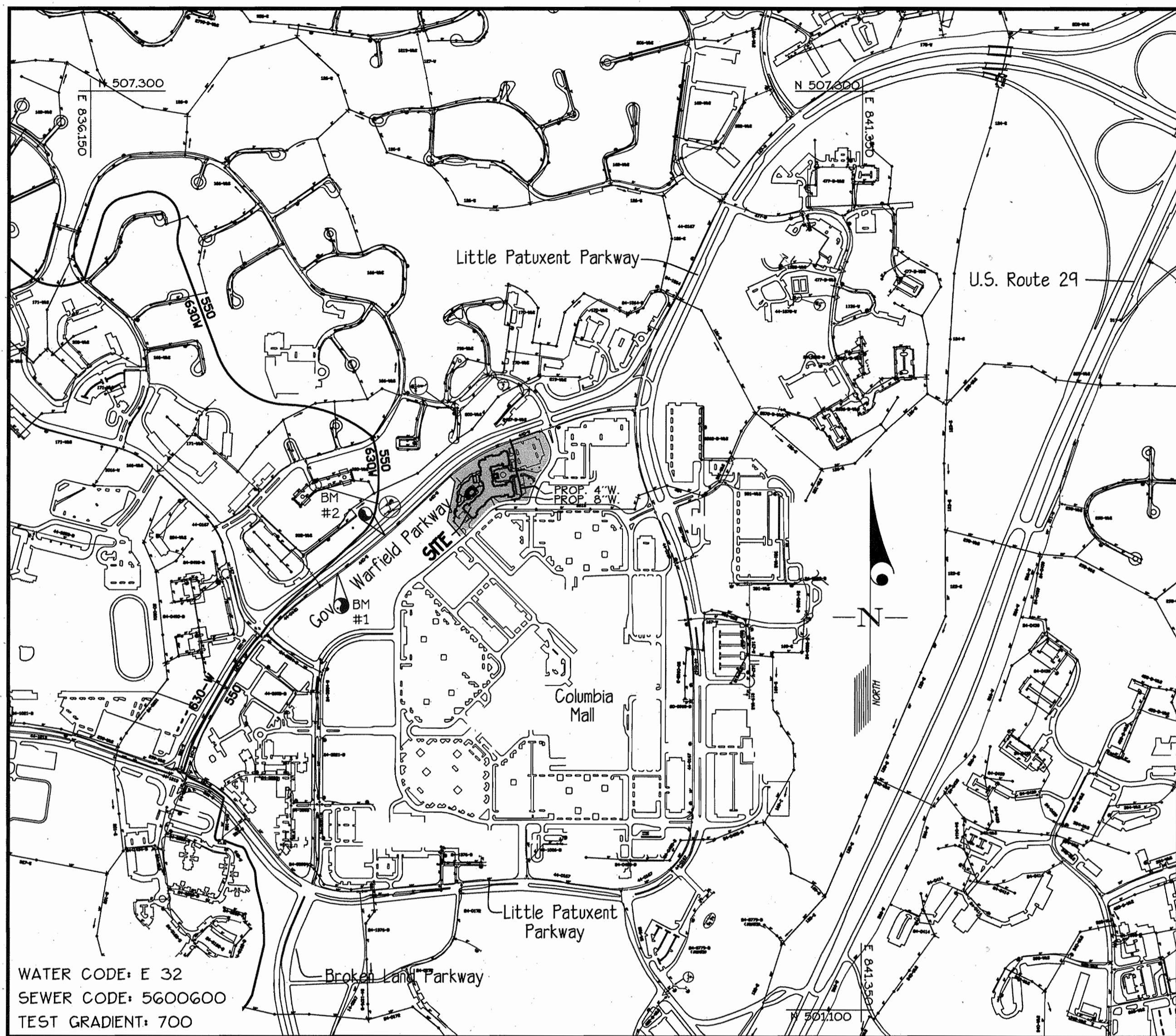
**COLUMBIA TOWN CENTER**  
 SECTION 2 AREA 8, PARCEL A  
 SECTION 2 AREA 1, LOTS 39, 41 AND 47  
 CONTRACT No. 44-4133-D

SCALE AS SHOWN  
 SHEET 3 OF 3

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
4" W	133 LF.	133 L.F.	D.I.P.	FERGUSON WATER WORKS/ATLANTIC STATES
6" W	62 LF.	53 L.F.	D.I.P.	FERGUSON WATER WORKS/ATLANTIC STATES
8" W	459 LF.	459 L.F.	D.I.P.	FERGUSON WATER WORKS/ATLANTIC STATES
12" x 8" T.S.V.	1 EA.	1 EA.	CAST IRON	SMITH BLAIR/FERGUSON WATER WORKS
8" 1/8 HB	2 EA.	2 EA.		TYLER PIPE/FERGUSON WATER WORKS
4" 1/8 HB	1 EA.	1 EA.		TYLER PIPE/FERGUSON WATER WORKS
8" x 6" FHT	2 EA.	2 EA.		TYLER PIPE/FERGUSON WATER WORKS
FH	2 EA.	2 EA.		MUELLER CO./FERGUSON WATER WORKS
8" x 4" TEE	1 EA.	1 EA.		TYLER PIPE/FERGUSON WATER WORKS
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8" CAP	1 EA.	1 EA.		TYLER PIPE/FERGUSON WATER WORKS
4" VALVE	2 EA.	2 EA.		MUELLER CO./FERGUSON WATER WORKS
6" VALVE	3 EA.	3 EA.		MUELLER CO./FERGUSON WATER WORKS
NAME OF UTILITY CONTRACTOR: AMERICAN INFRASTRUCTURE				
SURVEY AND DRAFTING DIV.		CHECKBOOK AS-BUILT DATE: AUG. 6, 2003		

**BENCH MARKS**  
 BM #1 (GLW TRAV. 9001) TOP OF REBAR + CAP IN MEDIAN OF GOV. WARFIELD PARKWAY, 250'+/- OF INTX. OF TWIN RIVERS ROAD. ELEV.= 431.22  
 BM #2 (GLW TRAV. 9002) TOP OF REBAR + CAP EAST SIDE OF GOV. WARFIELD PARKWAY BEHIND ASPHALT PATH, 1000'+/- EAST OF INTX. OF TWIN RIVERS ROAD. ELEV.= 404.76

TYPE OF BUILDING	SENIOR HOUSING
NUMBER OF UNITS	156
NUMBER OF S.H.C.'s	N/A
NUMBER OF W.H.C.'s	2 (1-PARCEL A, 1-LOT 39)
DRAINAGE AREA	LITTLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WATER RECLAMATION PLANT



WATER CODE: E 32  
 SEWER CODE: 5600600  
 TEST GRADIENT: 700

VICINITY MAP  
 SCALE: 1" = 600'

CONTRACT No. 44-4133-D  
 COLUMBIA TOWN CENTER  
 SECTION 2 AREA 8, PARCEL A  
 SECTION 2 AREA 1, LOTS 39, 41 AND 47  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS

**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 SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
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MSS UTILITY	1-800-257-7777
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HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES	410-313-4900
VERIZON	1-800-743-0033/410-224-9210
  - 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'-6" 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.
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  - FOR SPRINKLER SYSTEM FOR ALL TOWNHOMES OR MULTI-FAMILY DWELLING UNITS SHOULD HAVE A MINIMUM OF 1" CONNECTION WITH A 3/4" METER.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS + WITH SITE DEVELOPMENT PLAN SDP-03-80 + GP 03-28 FOR SEDIMENT + EROSION CONTROL.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
*Jim Myers* 7/17/03  
 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: *John V. White* 7/17/03  
 HOWARD S.C.D. DATE

**AS BUILT**  
 DATE: AUG. 6, 2003

GLW FILE #02033  
 WS1.dwg

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
*Ruth Beaman* 7-10-03  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
*Chad Ramm* 7/29/03  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**GLWGUTSCHICK 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

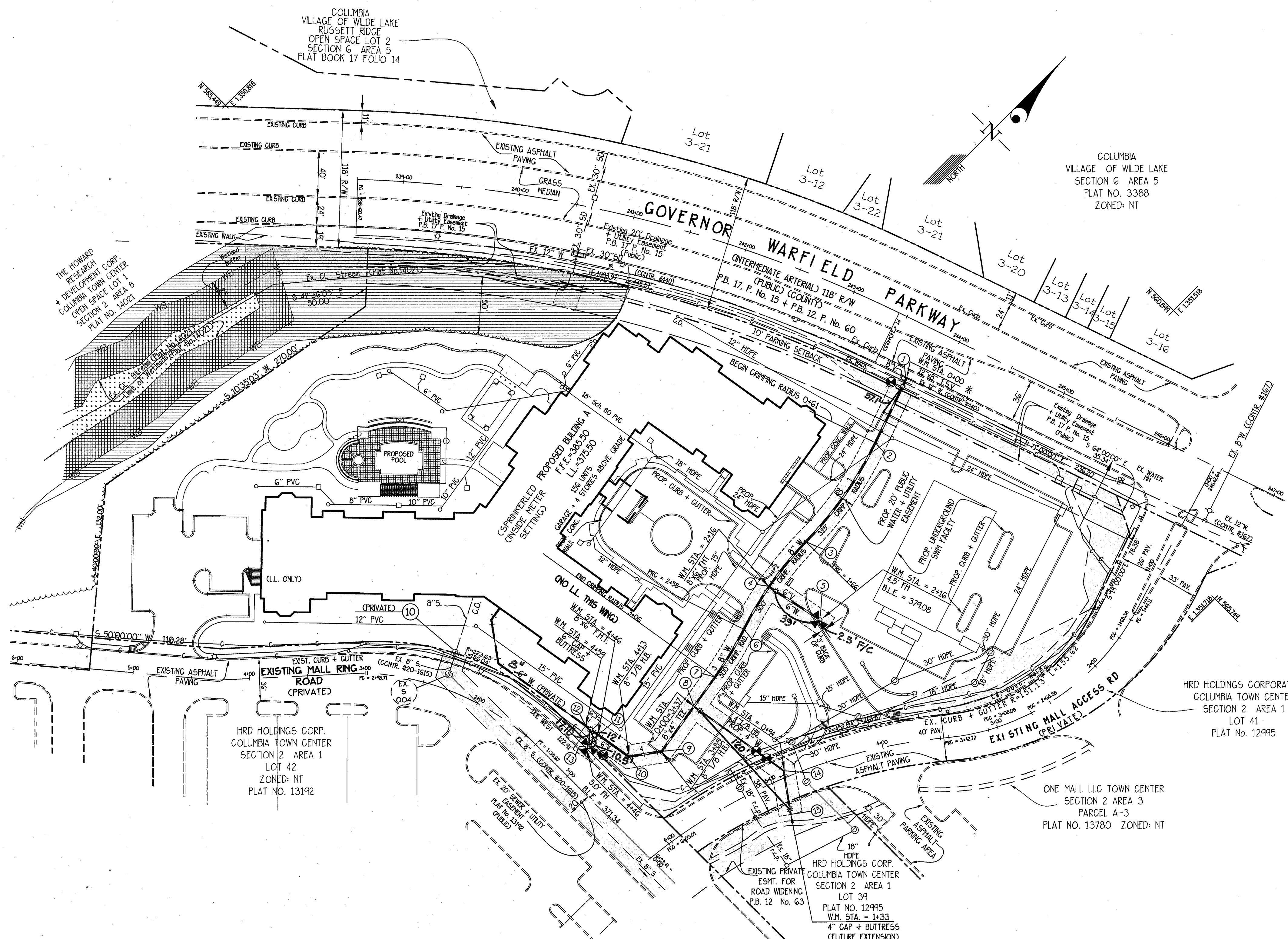


DES: Wsj					
DRN: Wsj					
CHK: <i>Wsj</i>					
DATE: JUNE 2003	BY	NO	REVISION	DATE	

COVER SHEET  
 SCALE AS SHOWN  
 600' SCALE MAP NO. 30+36 BLOCK NO. 19-1

**COLUMBIA TOWN CENTER**  
 SECTION 2 AREA 8, PARCEL A  
 SECTION 2 AREA 1, LOT 39, 41 AND 47  
 CONTRACT No. 44-4133-D  
 ELECTION DISTRICT No. 6  
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
 SHEET 1 OF 3



\* NOTE: EXISTING PIPE MATERIAL IS EITHER CAST IRON OR DUCTILE IRON PIPE CONTRACTOR TO VERIFY PIPE MATERIAL PRIOR TO CONSTRUCTION

NOTE: CONTRACTOR SHALL TEST FIT EXISTING UTILITIES + NOTIFY ENGINEER IF THE LOCATION IS OTHER THAN SHOWN. SEE GENERAL NOTE 7.

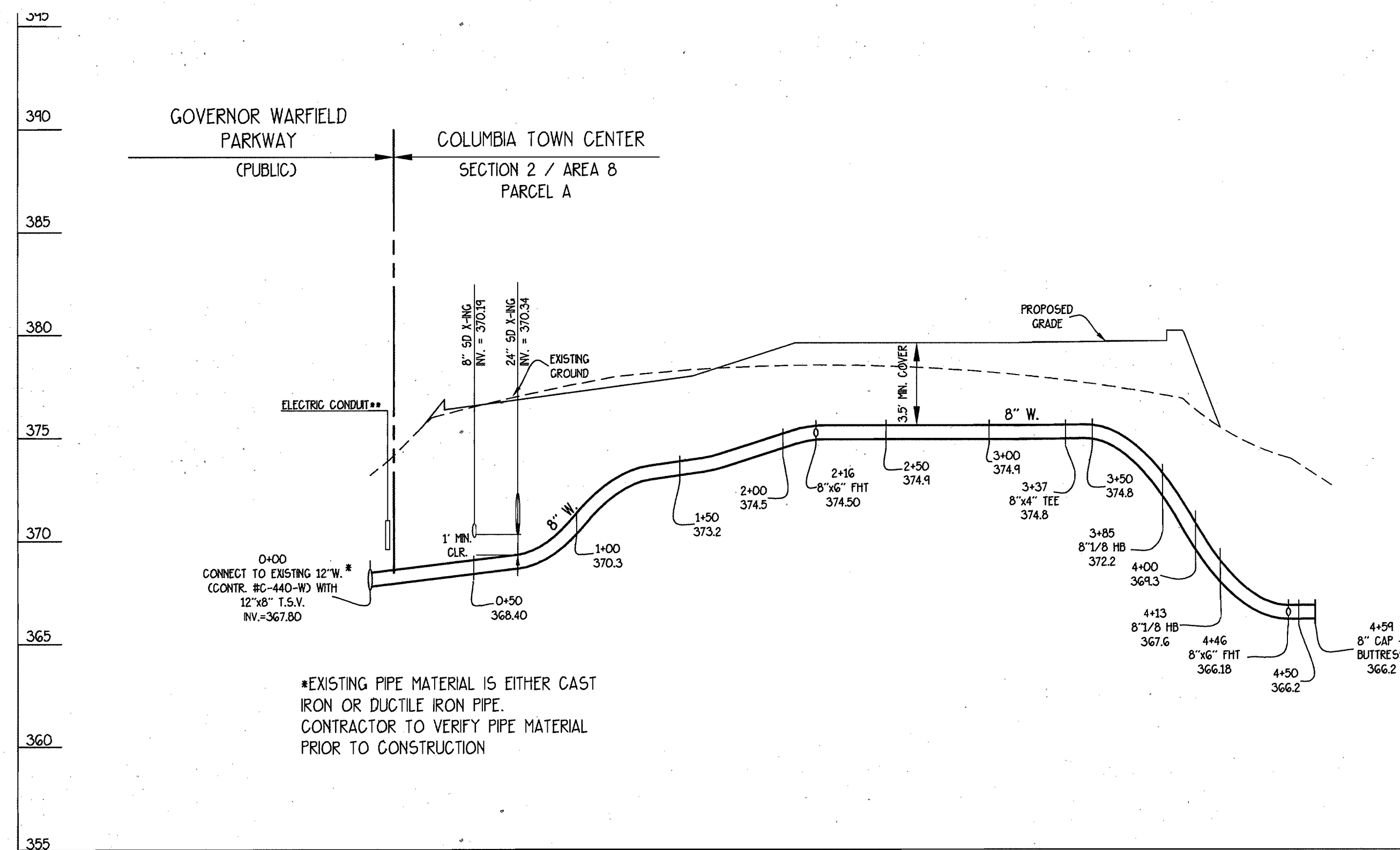
COORDINATE TABLE		
①	12"x 8" I.S.+V.	N 565.696 E 1.351.397
②	P.C.	N 565.638 E 1.351.417
③	P.R.C.	N 565.536 E 1.351.436
④	12"x 6" F.H.T.	N 565.486 E 1.351.440
⑤	FIRE HYDRANT	N 565.496 E 1.351.491
⑥	P.R.C.	N 565.445 E 1.351.451
⑦	P.T.	N 565.399 E 1.351.467
⑧	8"x 4" TEE	N 565.368 E 1.351.397
⑨	8" 1/8 H.B.	N 565.321 E 1.351.475
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⑪	8"x 6" F.H.T.	N 565.293 E 1.351.426
⑫	6" CAP	N 565.290 E 1.351.413
⑬	FIRE HYDRANT	N 565.280 E 1.351.428
⑭	4" 1/8 H.B.	N 565.383 E 1.351.561
⑮	4" CAP	N 565.361 E 1.351.592

PLAN VIEW  
SCALE: 1" = 50'

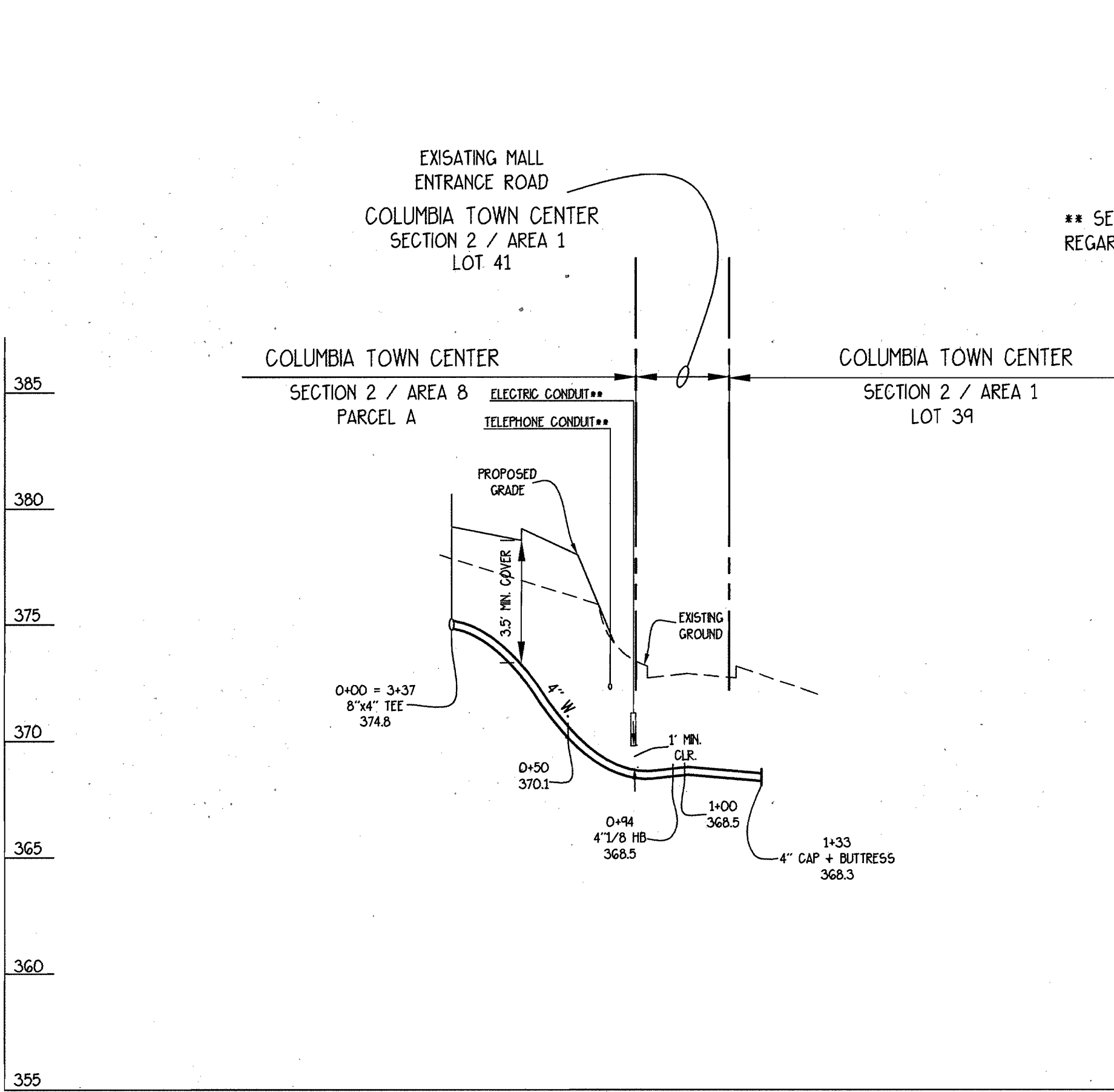
**AS BUILT**  
DATE: AUG. 6, 2003

GLW FILE #O2033  
WS2.dwg

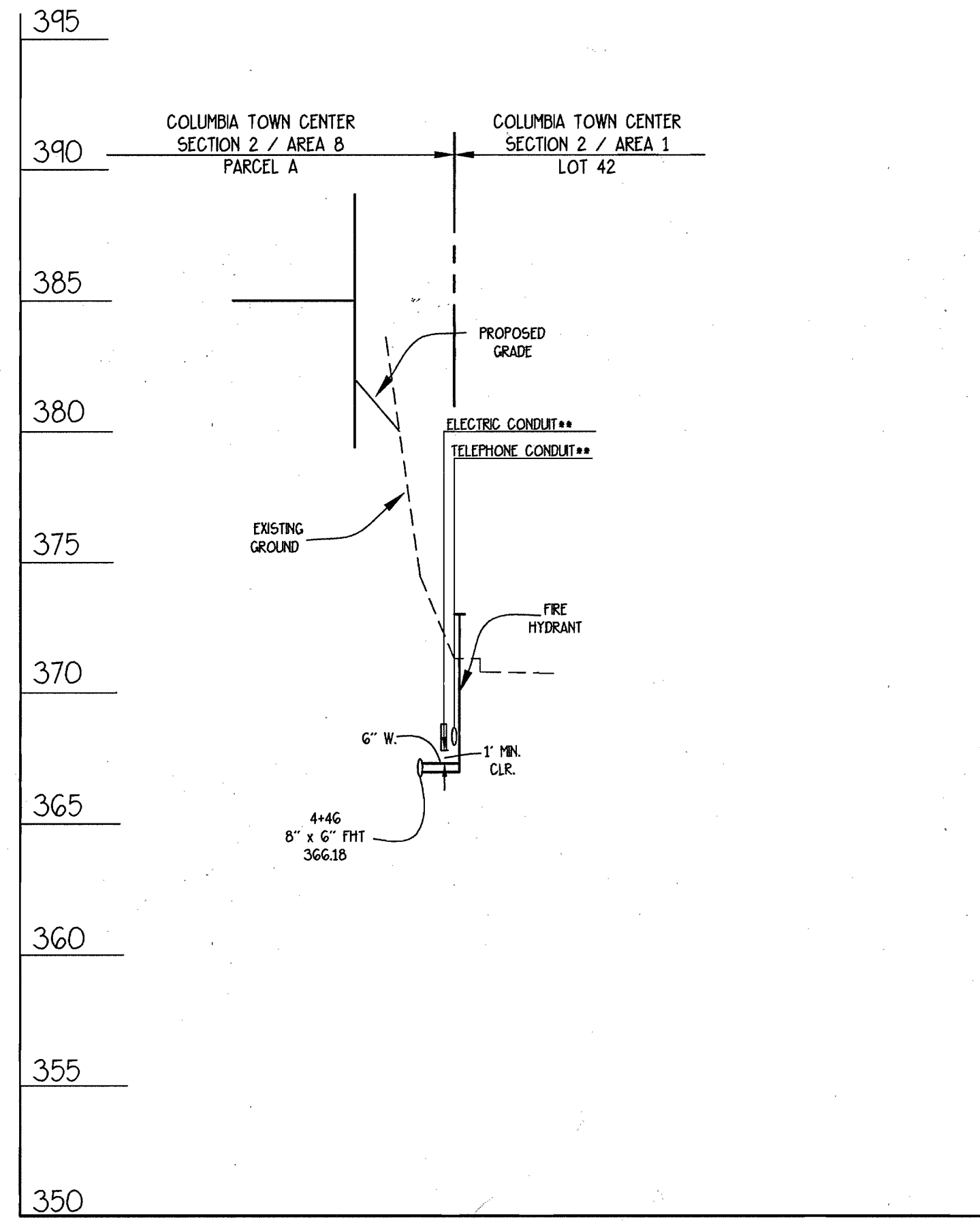
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 7-10-03 CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND 7/19/03 CHIEF, DEVELOPMENT ENGINEERING DIVISION	<b>GLW GUTSCHICK LITTLE &amp; WEBER, P.A.</b> CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS 3904 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK BURTONSVILLE, MARYLAND 20866 TEL: 301-421-4024 BAL: 410-880-1820 DC/VA: 301-997-2324 FAX: 301-421-4186		DES: DRN: KLP/WSJ CHK: <b>not</b> DATE: JUNE 2003	WATER EXTENSION PLAN 600' SCALE MAP NO. 30+36 BLOCK NO. 19+1	<b>COLUMBIA TOWN CENTER</b> SECTION 2 AREA 8, PARCEL A SECTION 2 AREA 1, LOTS 39, 41 AND 47 CONTRACT No. 44-4133-D	SCALE AS SHOWN SHEET 2 OF 3
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\*EXISTING PIPE MATERIAL IS EITHER CAST IRON OR DUCTILE IRON PIPE. CONTRACTOR TO VERIFY PIPE MATERIAL PRIOR TO CONSTRUCTION



\*\* SEE NOTE ON SHEETS 1 + 2 REGARDING TEST PITS



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

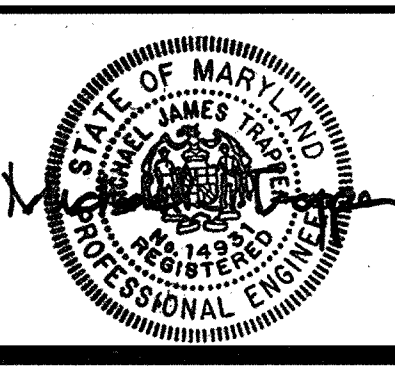
AS BUILT  
 DATE: AUG. 6, 2003

GLW FILE #O2033  
 W52.dwg

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 R. L. Bump  
 CHIEF, BUREAU OF UTILITIES  
 7-10-03  
 DATE

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 C. J. Damann  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 7/29/03  
 DATE

GLW GUTSCHICK LITTLE & WEBER, P.A.  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3904 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MARYLAND 20866  
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-991-2524 FAX: 301-421-4186



DES: Wsj					
DRN: Wsj					
CHK: [Signature]					
DATE: JUNE 2003	BY: NO	REVISION	DATE		

WATER EXTENSION PLAN  
 600' SCALE MAP NO. 30+36 BLOCK NO. 19+1

COLUMBIA TOWN CENTER  
 SECTION 2 AREA 8, PARCEL A  
 SECTION 2 AREA 1, LOTS 39, 41 AND 47  
 CONTRACT No. 44-4133-D

SCALE AS SHOWN  
 SHEET 3 OF 3