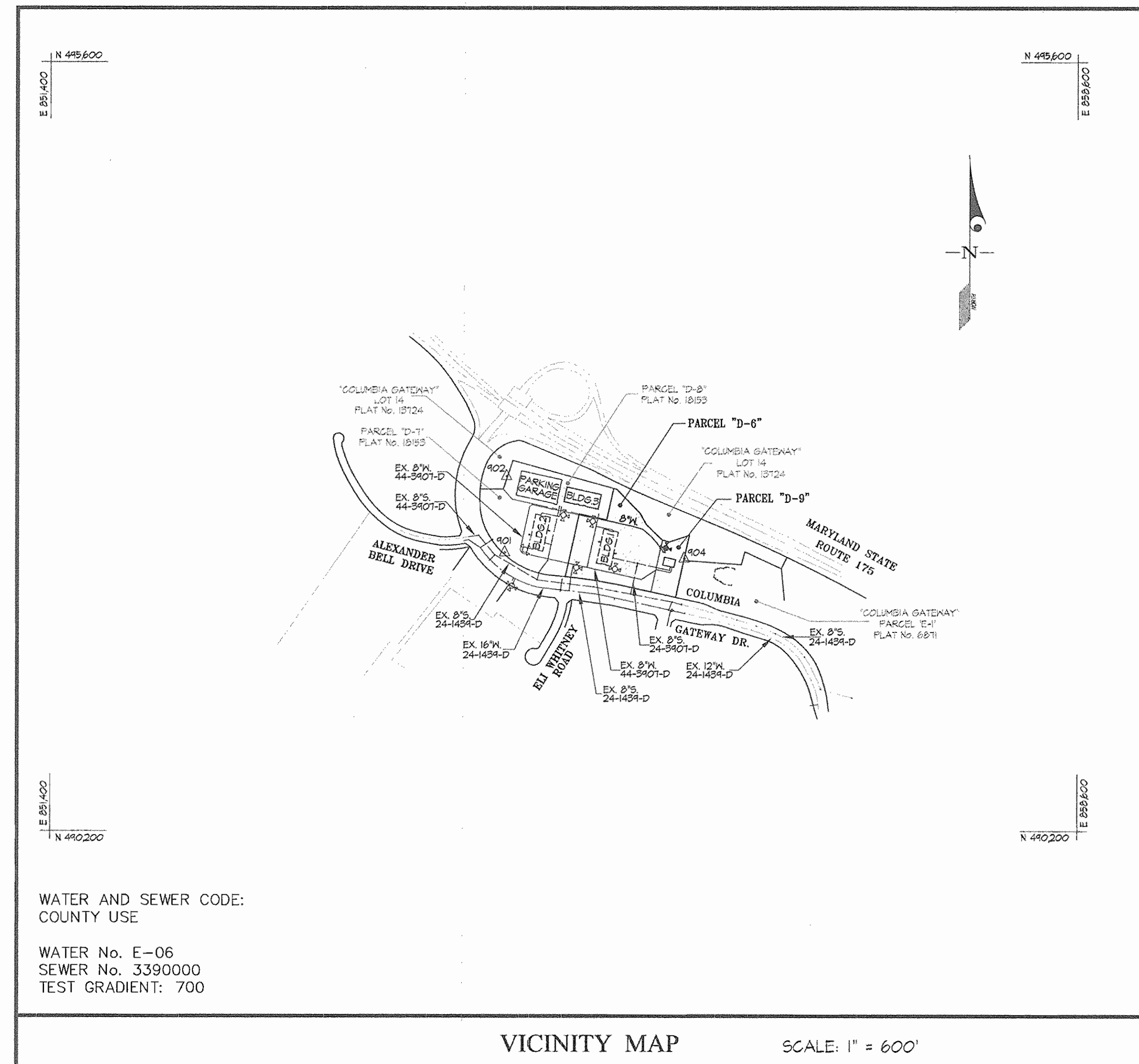


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
4" SEWER MANHOLE	1 EA.	1 EA.	4"	ATLANTIC CONCRETE
8" WATER	555 LF	555 L.F.	DIP 54	GRIFFIN PIPE
6" WATER	14 LF	14 L.F.	DIP 54	GRIFFIN PIPE
8"x8" TEE	1 EA.	1 EA.	GPK	H.D. SUPPLY
8"x6" REDUCER	1 EA.	1 EA.	GPK	H.D. SUPPLY
8"x6" FHT AND VALVE	1 EA.	1 EA.	KENNEDY	H.D. SUPPLY
8" VALVE	3 EA.	3 EA.	KENNEDY	H.D. SUPPLY
NAME OF UTILITY CONTRACTOR: H.T.I.				

SURVEY AND DRAFTING DIV. CHECKBOX: AS-BUILT DATE: 3-08

BENCHMARKS	
BM 901	
N 492156.1655	E 854566.0865
RNC=333.41	
BM 902	
N 492691.4343	E 854599.5661
RNC=346.47	
BM 904	
N 492113.6464	E 855845.1281
RNC=314.55	



WATER AND SEWER CODE:
COUNTY USE

WATER No. E-06
SEWER No. 3390000
TEST GRADIENT: 700

VICINITY MAP SCALE: 1" = 600'

TYPE OF BUILDING	COMMERCIAL (RESTAURANT)
NUMBER OF UNITS	1
NUMBER OF S.H.C.'s	ONE EXISTING SHC PER SDP-01-026
NUMBER OF W.H.C.'s	ONE 6" W.H.C.
DRAINAGE AREA	Little Potomac
TREATMENT PLANT	Little Potomac Water Quality Mgmt Cr.

GENERAL NOTES

- PART I
- APPROXIMATE LOCATIONS 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.
 - TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON FEBRUARY, 2005 BY GUTSCHICK, LITTLE & WEBER, P.A.
 - HORIZONTAL AND VERTICAL SURVEY CONTROLS:
THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 21 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS No. 901, 902 & 904.
VERTICAL CONTROLS PROVIDED ON DRAWINGS ARE NGVD '29.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. 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 BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
 - FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS 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 (S) AT THE LOCATIONS OF THE TEST PITS. 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.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK ON THESE PLANS:

AT&T	1-800-252-1183
BGE (CONTRACTOR SERVICES)	410-850-4620
BGE (UNDER GROUND DAMAGE CONTROL)	410-685-1400
BUREAU OF UTILITIES	410-315-4900
COLONIAL PIPELINE CO.	410-745-1340
MISS UTILITY	1-800-251-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-745-0033 / 410-224-4210
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION AREA STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE 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)-315-1450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING 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(g) OF THE HOWARD COUNTY CODE.

PART II - WATER

- ALL MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 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 STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.

PART III - SEWER

- ALL SEWER MAINS SHALL BE D.I.P. OR 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 THE 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL 05.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THE CELLAR CANNOT BE SERVED.

CONTRACT No. 24-4384-D
COLUMBIA GATEWAY
RESTAURANT
PARCEL D-6 & D-9
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with SDP-01-26, SDP-05-134 & SDP-06-095; Drawings for Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

Signature: Jim Moran
DATE: 12/29/06
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: Signature: [Name]
DATE: 12/29/06
HOWARD S.C.D.

AS BUILT
DATE: MARCH 2008

OWNER/DEVELOPER:
6741 GATEWAY, LLC
c/o COPT DEVELOPMENT & CONSTRUCTION SERVICES, LLC
6711 COLUMBIA GATEWAY DRIVE, SUITE 300
COLUMBIA, MD 21046

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Signature: [Name]
DATE: 12-21-06
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
Signature: [Name]
DATE: 1/15/07
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 20866
TEL: 301-421-4024 BALF: 410-880-1820 DC/VA: 301-969-2524 FAX: 301-421-4186



DES: MBT				
DRN: KLP				
CHK: MBT				
DATE: Dec 2006				
BY	NO	REVISION	DATE	

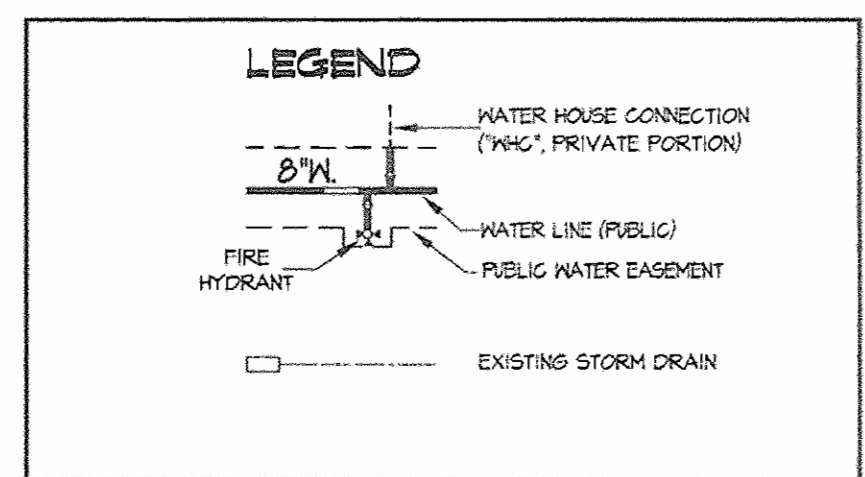
TITLE SHEET
SCALE: AS SHOWN
600' SCALE MAP NO. 37/43 BLOCK NO. 19/1

COLUMBIA GATEWAY
RESTAURANT
PARCEL D-6 & D-9
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 6
CONTRACT No. 24-4384-D

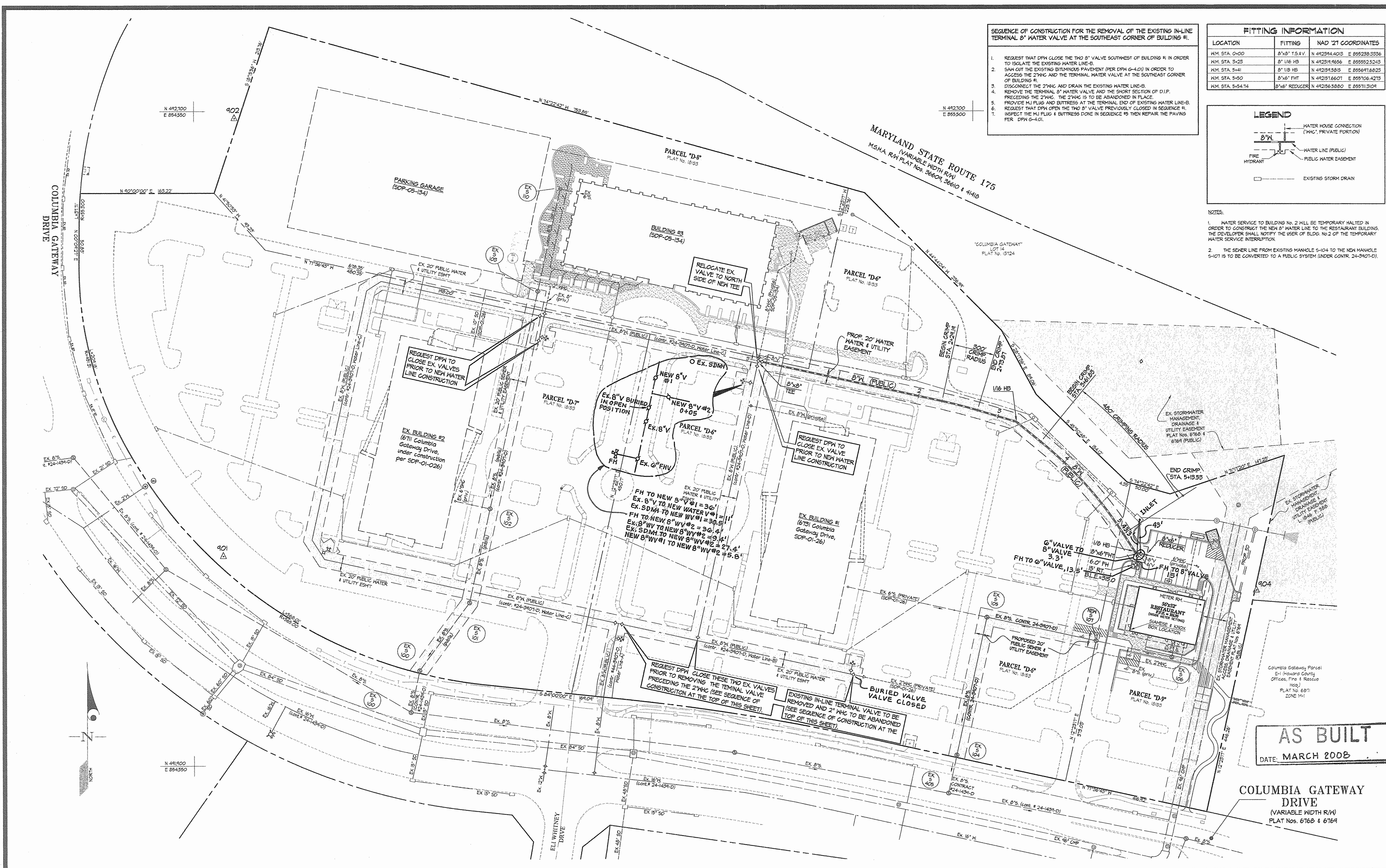
SCALE AS SHOWN
SHEET 1 OF 3

- SEQUENCE OF CONSTRUCTION FOR THE REMOVAL OF THE EXISTING IN-LINE TERMINAL 8" WATER VALVE AT THE SOUTHEAST CORNER OF BUILDING #1.
1. REQUEST THAT DPM CLOSE THE TWO 8" VALVE SOUTHWEST OF BUILDING #1 IN ORDER TO ISOLATE THE EXISTING WATER LINE-B.
 2. SAW CUT THE EXISTING BITUMINOUS PAVEMENT (PER DPM 6-4-01) IN ORDER TO ACCESS THE 2" WVC AND THE TERMINAL WATER VALVE AT THE SOUTHEAST CORNER OF BUILDING #1.
 3. DISCONNECT THE 2" WVC AND DRAIN THE EXISTING WATER LINE-B.
 4. REMOVE THE TERMINAL 8" WATER VALVE AND THE SHORT SECTION OF D.I.P. PRECEDING THE 2" WVC. THE 2" WVC IS TO BE ABANDONED IN PLACE. PROVIDE M.J. PLUG AND BUTTRISS AT THE TERMINAL END OF EXISTING WATER LINE-B.
 5. REQUEST THAT DPM OPEN THE TWO 8" VALVE PREVIOUSLY CLOSED IN SEQUENCE #1.
 6. INSPECT THE M.J. PLUG & BUTTRISS DONE IN SEQUENCE #5 THEN REPAIR THE PAVING PER: DPM 6-4-01.

FITTING INFORMATION		
LOCATION	FITTING	NAD '27 COORDINATES
K.M. STA. 0+00	8"x8" T.S.I.V.	N 442344.4015 E 855238.3336
K.M. STA. 3+25	8" 1/8" HB	N 442344.4656 E 855552.5245
K.M. STA. 5+41	8" 1/8" HB	N 442344.5805 E 855691.8825
K.M. STA. 5+50	8"x8" FHT	N 442351.6601 E 855706.4275
K.M. STA. 5+54.74	8"x8" REDUCER	N 442356.5880 E 855711.3104



- NOTES:
1. WATER SERVICE TO BUILDING NO. 2 WILL BE TEMPORARILY HALTED IN ORDER TO CONSTRUCT THE NEW 8" WATER LINE TO THE RESTAURANT BUILDING. THE DEVELOPER SHALL NOTIFY THE USER OF BLDG. NO. 2 OF THE TEMPORARY WATER SERVICE INTERRUPTION.
 2. THE SEWER LINE FROM EXISTING MANHOLE 5+104 TO THE NEW MANHOLE 5+107 IS TO BE CONVERTED TO A PUBLIC SYSTEM (UNDER CONTR. 24-3407-D).



AS BUILT
DATE: MARCH 2008

COLUMBIA GATEWAY DRIVE
(VARIABLE WIDTH R/W)
PLAT Nos. 676B & 676A

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
R. B. [Signature]
12-21-06
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
[Signature]
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 FAX: 301-989-2524 FAX: 301-421-4185



DES: mst					
DRN: klp					
CHK: rbt/ckg					
DATE: Dec 2006	BY	NO	REVISION	DATE	

WATER & SEWER EXTENSION PLAN
SCALE: 1" = 50'
600' SCALE MAP NO. 37/43 BLOCK NO. 19/1

COLUMBIA GATEWAY RESTAURANT
PARCEL 'D-6' AND 'D-9'
HOWARD COUNTY, MARYLAND
SIXTH ELECTION DISTRICT
CONTRACT No. 24-4384-D

SCALE AS SHOWN
SHEET 2 OF 3

