

QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
8" SEWER MAIN	30 L.F.	30 L.F.	PVC SDR-35	JMMFG/BRB
CLEAN-OUTS	3 EACH	3 EACH	PVC SDR-35	JMMFG/BRB
MANHOLES	1 EACH	1 EACH	SANITARY	ATLANTIC CONC.
8" WATER MAIN	94 L.F.	94 L.F.	D.I.P. CL. 52	GRIFFIN PIPE
6" WATER MAIN	103 L.F.	103 L.F.	D.I.P. CL. 52	GRIFFIN PIPE
8" VALVE	2 EACH	2 EACH	RSOR GATE	MUELLER CO.
6" VALVE	7 EACH	7 EACH	RSOR GATE	MUELLER CO.
8"x8" TEE	1 EACH	1 EACH	TEE MJ	SIGMA CORP.
8"x6" TEE	4 EACH	4 EACH	HYDRANT TEE	SIGMA CORP.
1/8" H.A.	6 EACH	6 EACH		SIGMA CORP.
8"x6" REDUCER	3 EACH	3 EACH	SEB REDUCER	SIGMA CORP.
6" PLUG & BUTTRESS	3 EACH			
FIRE HYDRANTS	4 EACH	4 EACH	MUELLER	MUELLER CO.

NAME OF UTILITY CONTRACTOR: CONSOLIDATED CONSTRUCTION SERVICES (CCS)
 SURVEY & DRAFTING DIVISION AS-BUILT DATE: FEBRUARY 2008

DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Paul W. Keibel FOR:
 CSG PATAPSCO, LLC
 SIGNATURE OF DEVELOPER
 02/22/07
 DATE

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Paul W. Keibel
 SIGNATURE OF ENGINEER
 02-22-07
 DATE

GP-07-040

MDE LETTER OF AUTHORIZATION NUMBER:

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Myers
 U.S. NATURAL RESOURCES CONSERVATION SERVICE
 DATE: 3/8/07

THE DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:
 John R. Blanton
 HOWARD SOIL CONSERVATION DISTRICT
 DATE: 3/8/07

SEDMIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON SDP-07-028.

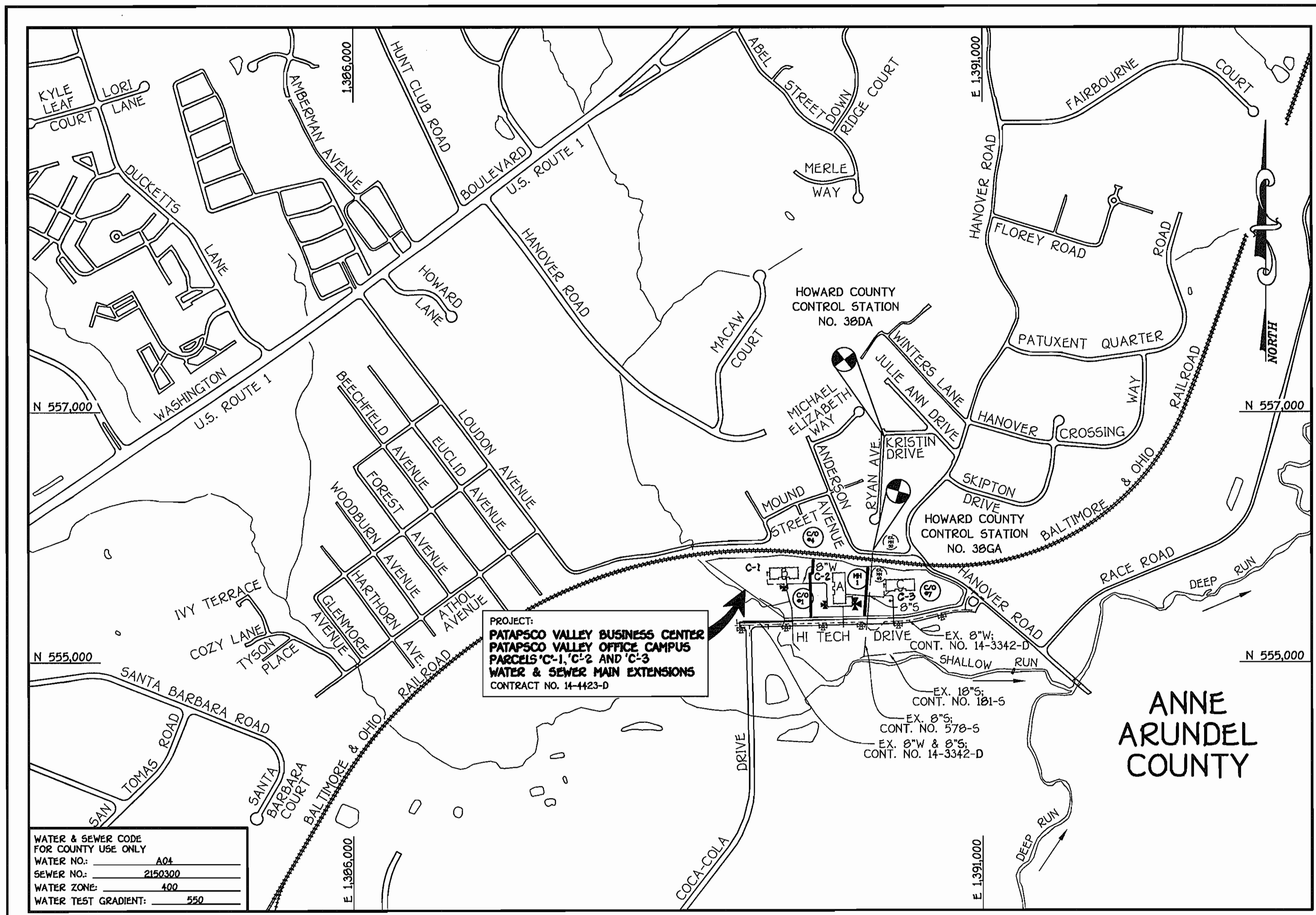
Paul W. Keibel FOR:
 CSG PATAPSCO, LLC
 SIGNATURE OF DEVELOPER
 02/22/07
 DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

Ruth B...
 CHIEF, BUREAU OF UTILITIES
 DATE: 3-1-07

...
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 3/2/07



WATER & SEWER CODE FOR COUNTY USE ONLY	
WATER NO.:	A04
SEWER NO.:	2150300
WATER ZONE:	400
WATER TEST GRADIENT:	550

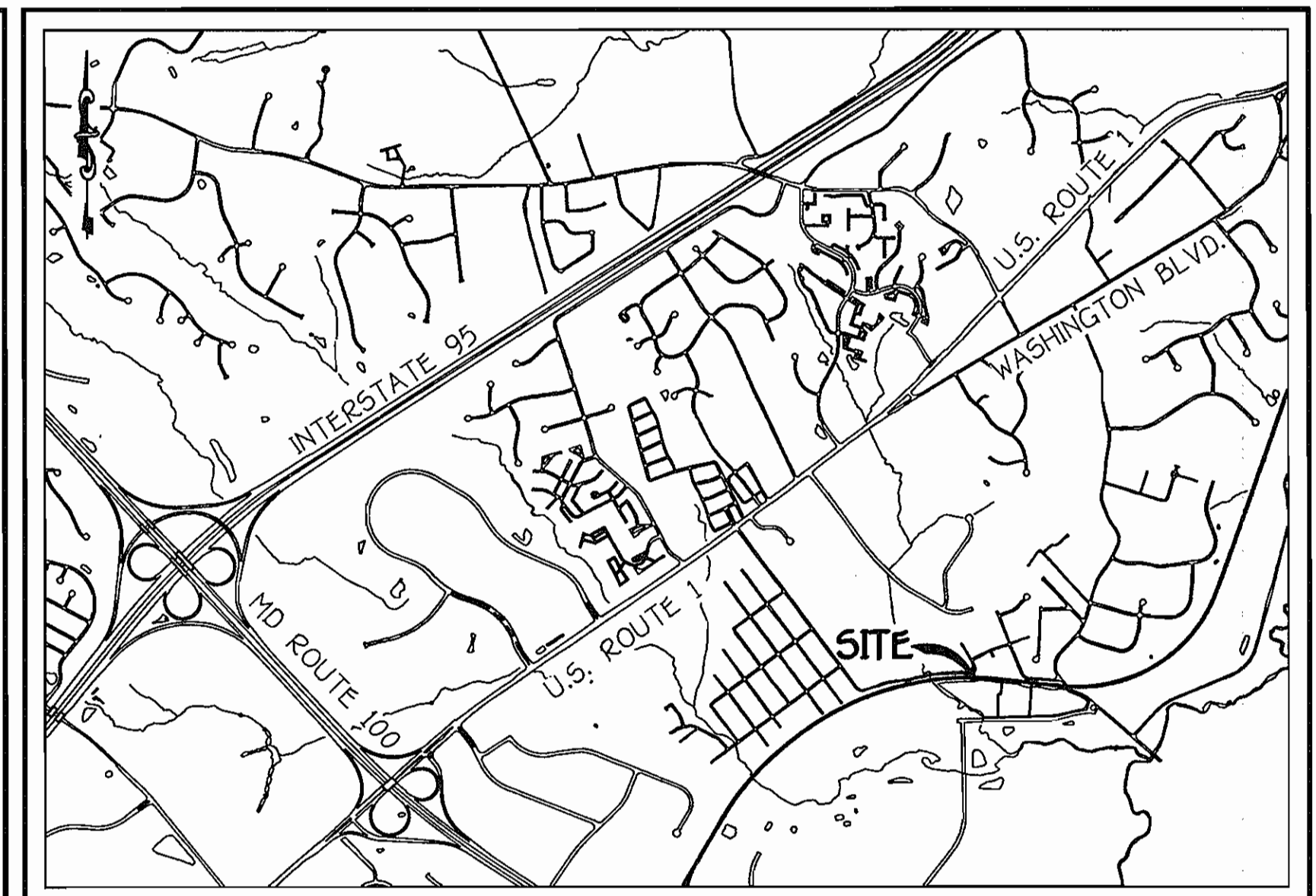
TYPE OF BUILDING:	COMMERCIAL: GENERAL OFFICE
NUMBER OF PARCELS:	1 (1 BUILDABLE)
NO. OF WATER HOUSE CONNECTIONS:	0-
NO. OF SEWER HOUSE CONNECTIONS:	0-
DRAINAGE AREA:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT: CITY OF BALTIMORE

VICINITY MAP
 SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:
 SDP-07-028

CONTRACT NO. 14-4423-D
PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY
OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

AS BUILT
 DATE: FEBRUARY 2008



LOCATION MAP
 SCALE: 1" = 2000'

PART I

- GENERAL NOTES**
- 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 OR ABOUT FEBRUARY, 2004 BY FISHER, COLLINS & CARTER, INC.
 - HORIZONTAL AND VERTICAL CONTROL POINTS ARE SHOWN ON THESE PLANS. THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 38DA & NO. 38GA. SEE THIS SHEET FOR BENCHMARK INFORMATION.
 - 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 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 DRAWINGS, 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 SITE.
 - 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 SHOWN ON THESE PLANS:
 AT&T 1-800-252-1333
 BGE (CONSTRUCTION SERVICES) 410-850-4620
 BGE (EMERGENCY) 410-695-1400
 BUREAU OF UTILITIES 410-313-4900
 COLONIAL PIPELINE CO. 410-795-1590
 MISS UTILITY 1-800-257-7777
 STATE HIGHWAY ADMINISTRATION 410-531-5533
 VERIZON 1-800-743-0033/410-224-9210
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
 - CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING UTILITIES AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 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 18.11(a) OF THE HOWARD COUNTY CODE.

PART II: WATER

- ALL WATER 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 TREES SHALL BE STRAIGHT TO TREE.
- 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 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 G5.5. 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 THAT THE CELLAR CANNOT BE SERVED.

BENCHMARK INFORMATION

B.M.#1 - HOWARD COUNTY CONTROL STATION #38DA NAD 83
 APPROX. 20' SOUTH FROM THE INTERSECTION OF RYAN AVE. AND KRISTIN DR. LOCATED ON THE EAST SIDE OF RYAN DRIVE
 N 556,796.3031
 E 1,390,221.4773
 ELEVATION = 125.145

B.M.#2 - HOWARD COUNTY CONTROL STATION # 38GA (NAD 83)
 (LOCATED ALONG THE NORTH SIDE OF LOUDON AVE. APPROX. 52.8' FROM BGE POLE #32644 AND 22.6' FROM CENTER OF LOUDON AVE.)
 N 555,897.3242
 E 1,390,132.1176
 ELEVATION = 80.853

DEVELOPER
 CSG PATAPSCO, LLC
 5024 CAMPBELL BOULEVARD
 WHITE MARSH, MARYLAND 21236

CONTRACT NO. 14-4423-D
 PATAPSCO VALLEY BUSINESS CENTER
 PATAPSCO VALLEY OFFICE CAMPUS
 PARCELS C-1, C-2 AND C-3
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND



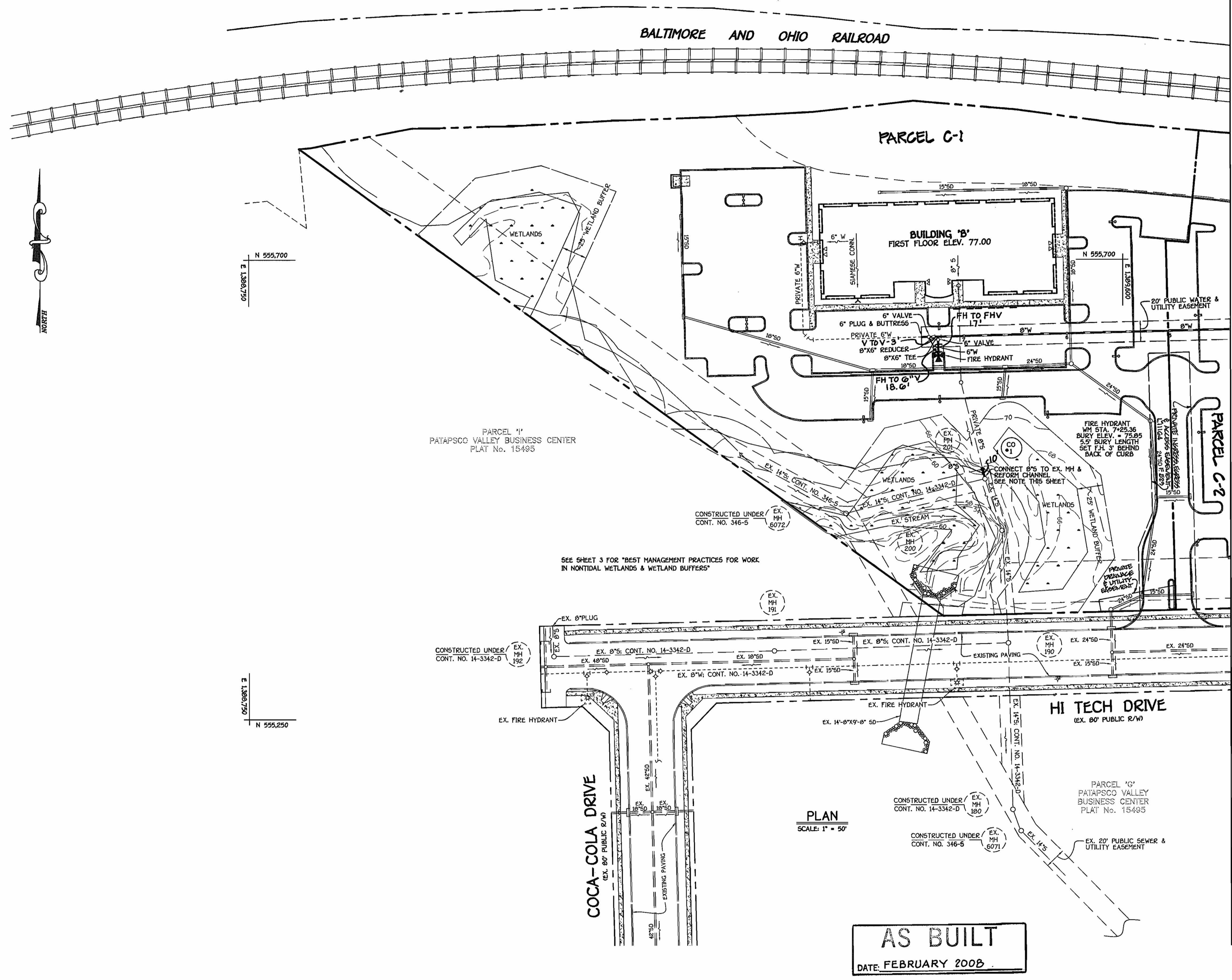
DESIGNED BY:	B.C.R.	
DRAWN BY:	B.C.R.	
CHECKED BY:	P.W.K.	
DATE:	FEBRUARY, 2007	
BY:	NO.	

WATER & SEWER MAIN EXTENSIONS TITLE SHEET	
600' SCALE MAP NO. 38	BLOCK NO. 141520 & 21
F.C.C. WORK ORDER NO. 06003-6001	
FILE NAME:	WATER MAIN EXTENSION TITLE SHEET

PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3

CONTRACT NO. 14-4423-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 of 4



PARCEL '1'
PATAPSCO VALLEY BUSINESS CENTER
PLAT No. 15495

SEE SHEET 3 FOR "BEST MANAGEMENT PRACTICES FOR WORK
IN NONTIDAL WETLANDS & WETLAND BUFFERS"

PLAN
SCALE: 1" = 50'

AS BUILT
DATE: FEBRUARY 2008

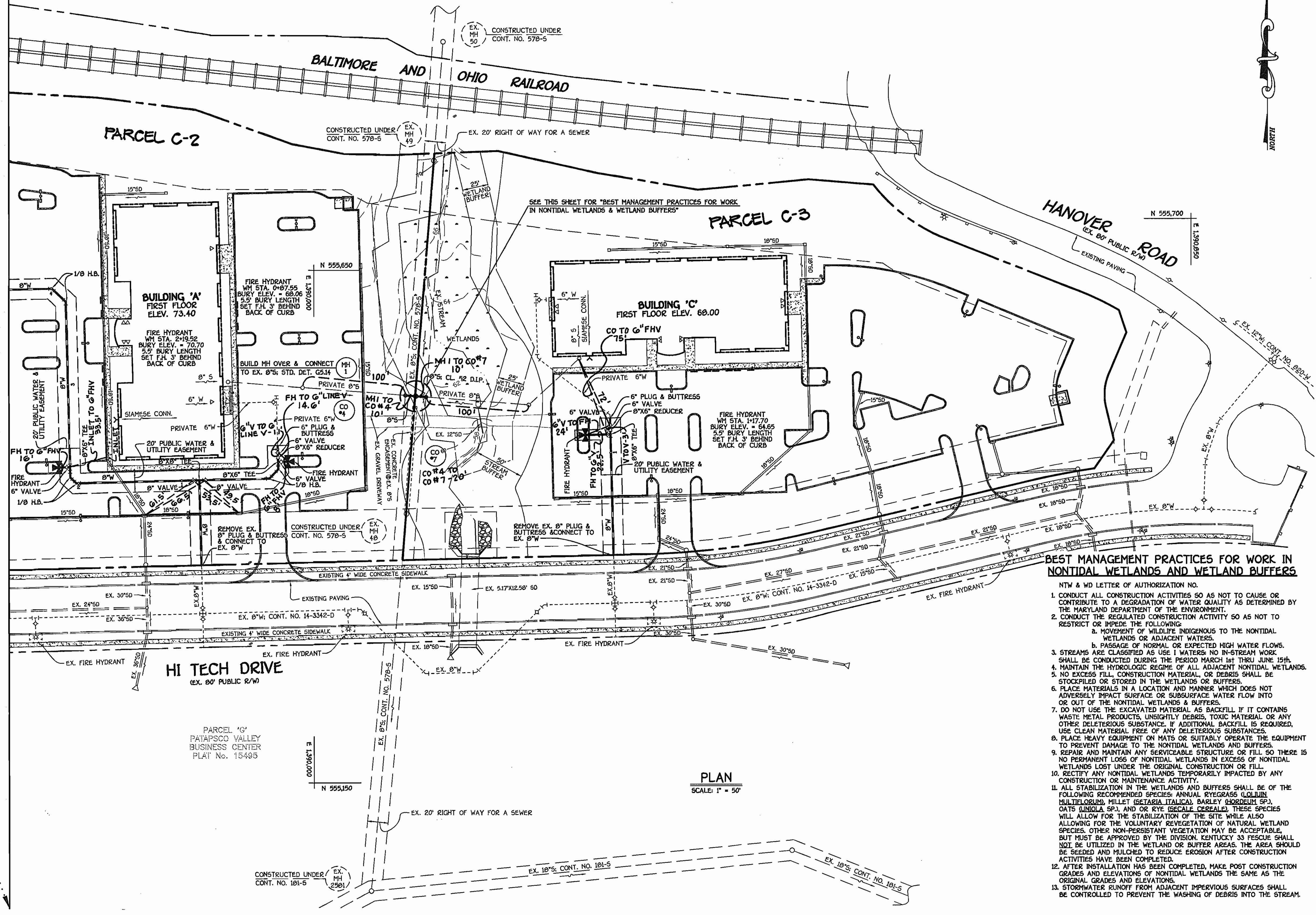
MATCHLINE: SEE SHEET 3 OF 4

CONTRACT NO. 14-4423-D
PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Ralph Bruner</i> CHIEF, BUREAU OF UTILITIES DATE: 3-1-07	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>Terrell A. Fisher</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 3/12/07			DESIGNED BY: B.C.R. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE: FEBRUARY, 2007 BY: NO. REVISION REVISION: REDESIGNED PARCEL C INTO PARCELS C-1, C-2 AND C-3 REVISION: REVISED TITLE BLOCK DATE: 3/12/08	WATER & SEWER MAIN EXTENSIONS PLAN 600' SCALE MAP NO. 30 BLOCK NO. 14,15,20 & 21 F.C.C. WORK ORDER NO. 06003-6001 FILE NAME: WATER MAIN EXTENSION PLAN SHEET	PATAPSCO VALLEY BUSINESS CENTER PATAPSCO VALLEY OFFICE CAMPUS PARCELS C-1, C-2 AND C-3 CONTRACT NO. 14-4423-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: AS SHOWN SHEET: 2 OF 4
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1:06:03pm JUSTICE DEVELOPMENT PLAN 06003-6001 Water And Sewer Base Plan Parcel C.dwg, 2/21/2007 4:21:08 PM, 1:1

MATCHLINE: SEE SHEET 2 OF 4



BEST MANAGEMENT PRACTICES FOR WORK IN NONTIDAL WETLANDS AND WETLAND BUFFERS

- NTW & WD LETTER OF AUTHORIZATION NO.
- CONDUCT ALL CONSTRUCTION ACTIVITIES SO AS NOT TO CAUSE OR CONTRIBUTE TO A DEGRADATION OF WATER QUALITY AS DETERMINED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - CONDUCT THE REGULATED CONSTRUCTION ACTIVITY SO AS NOT TO RESTRICT OR IMPERE THE FOLLOWING:
 - MOVEMENT OF WILDLIFE INDIGENOUS TO THE NONTIDAL WETLANDS OR ADJACENT WATERS.
 - PASSAGE OF NORMAL OR EXPECTED HIGH WATER FLOWS.
 - STREAMS ARE CLASSIFIED AS USE 1 WATERS; NO IN-STREAM WORK SHALL BE CONDUCTED DURING THE PERIOD MARCH 1st THRU JUNE 15th.
 - MAINTAIN THE HYDROLOGIC REGIME OF ALL ADJACENT NONTIDAL WETLANDS.
 - NO EXCESS FILL, CONSTRUCTION MATERIAL, OR DEBRIS SHALL BE STOCKPILED OR STORED IN THE WETLANDS OR BUFFERS.
 - PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF THE NONTIDAL WETLANDS & BUFFERS.
 - DO NOT USE THE EXCAVATED MATERIAL AS BACKFILL IF IT CONTAINS WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL OR ANY OTHER DELETERIOUS SUBSTANCE. IF ADDITIONAL BACKFILL IS REQUIRED, USE CLEAN MATERIAL FREE OF ANY DELETERIOUS SUBSTANCES.
 - PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO THE NONTIDAL WETLANDS AND BUFFERS.
 - REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NONTIDAL WETLANDS IN EXCESS OF NONTIDAL WETLANDS LOST UNDER THE ORIGINAL CONSTRUCTION OR FILL.
 - RECTIFY ANY NONTIDAL WETLANDS TEMPORARILY IMPACTED BY ANY CONSTRUCTION OR MAINTENANCE ACTIVITY.
 - ALL STABILIZATION IN THE WETLANDS AND BUFFERS SHALL BE OF THE FOLLOWING RECOMMENDED SPECIES: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SP.), OATS (Avena sp.), AND OR RYE (SECALE CEREALE). THESE SPECIES WILL ALLOW FOR THE STABILIZATION OF THE SITE WHILE ALSO ALLOWING FOR THE VOLUNTARY REVEGETATION OF NATURAL WETLAND SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE DIVISION. KENTUCKY 33 FESCUE SHALL NOT BE UTILIZED IN THE WETLAND OR BUFFER AREAS. THE AREA SHOULD BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
 - AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST CONSTRUCTION GRADES AND ELEVATIONS OF NONTIDAL WETLANDS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS.
 - STORMWATER RUNOFF FROM ADJACENT IMPERVIOUS SURFACES SHALL BE CONTROLLED TO PREVENT THE WASHING OF DEBRIS INTO THE STREAM.

AS BUILT
DATE: FEBRUARY 2008

CONTRACT NO. 14-4423-D
PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert B. ...
3-1-07

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
...
3/1/07

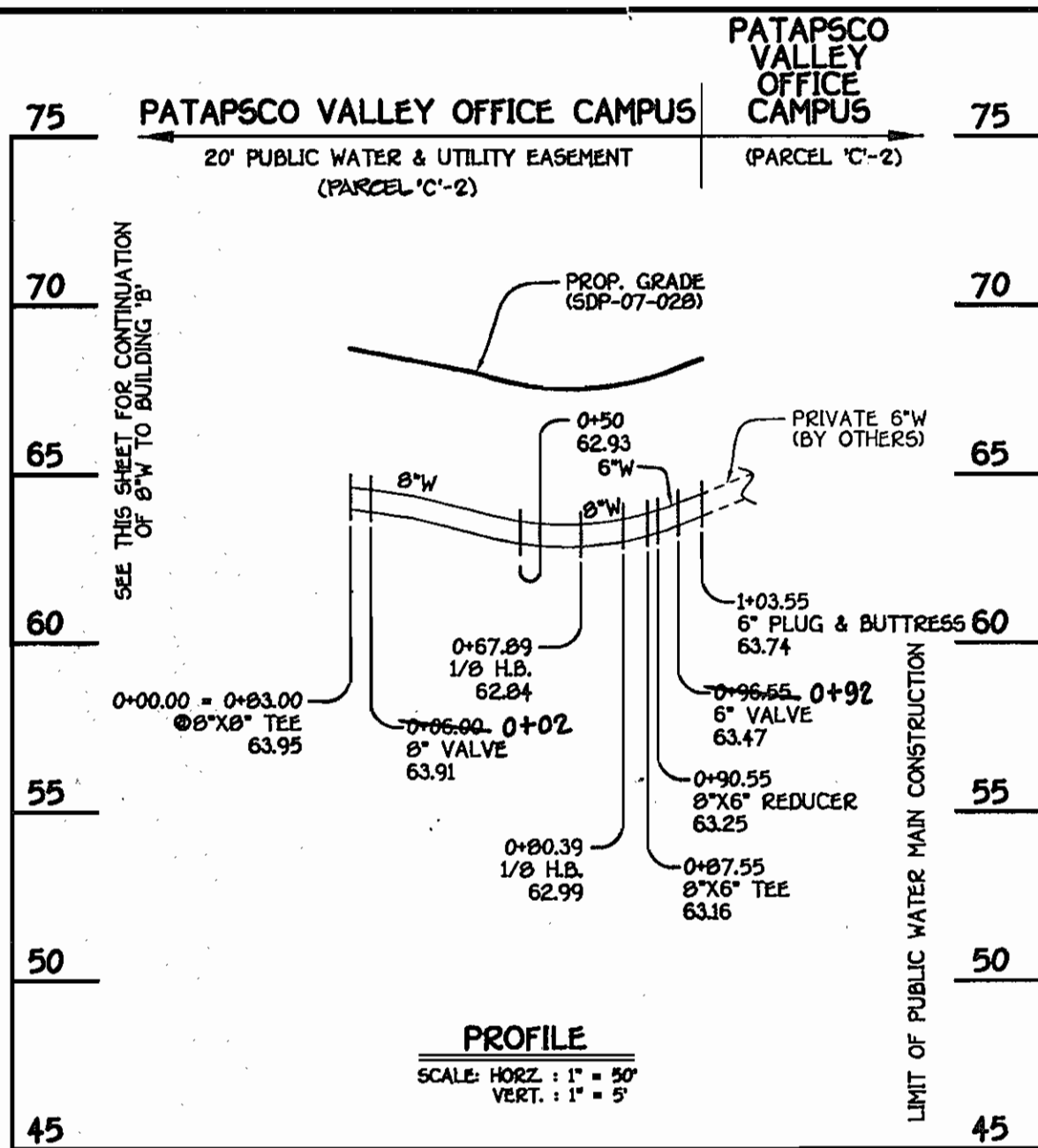
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 481-2995



DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: FEBRUARY, 2007
FCC NO. 3/1/08
REVISION: REDESIGNED PARCEL C INTO PARCELS C-1, C-2 AND C-3
REVISED TITLE BLOCK

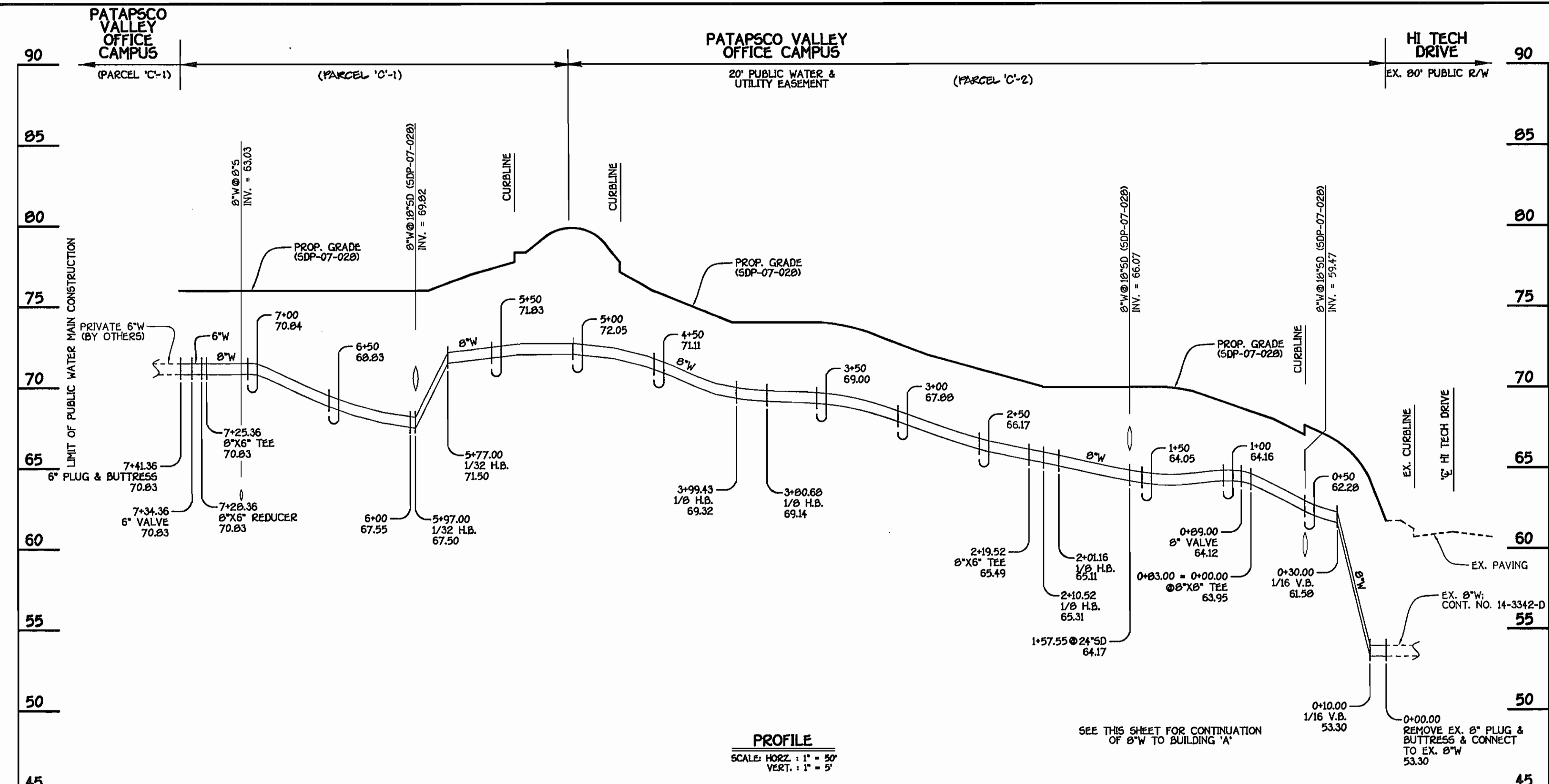
WATER & SEWER MAIN EXTENSIONS PLAN
600' SCALE MAP NO. 38 BLOCK NO. 141520 & 21
F.C.C. WORK ORDER NO. 06003-6001
FILE NAME: WATER MAIN EXTENSION PLAN SHEET

PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3
CONTRACT NO. 14-4423-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 3 OF 4

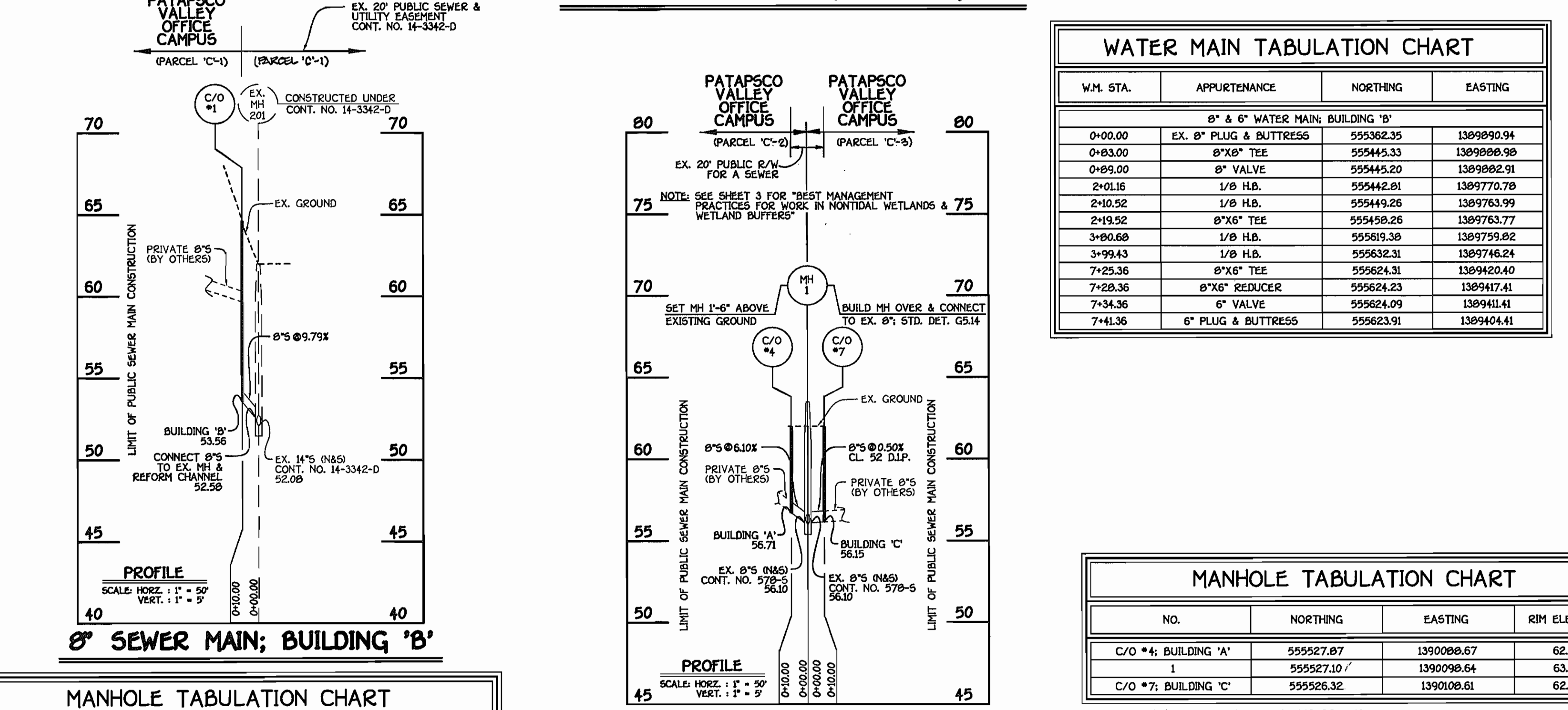


8" & 6" WATER MAIN; BUILDING 'A'

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" & 6" WATER MAIN; BUILDING 'A'			
0+00.00	8"X8" TEE	555445.33	1399880.91
0+06.00	8" VALVE	555445.47	1399894.90
0+67.89	1/8" H.B.	555446.99	1399956.77
0+80.39	1/8" H.B.	555456.05	1399965.39
0+87.55	8"X6" TEE	555463.21	1399965.22
0+90.55	8"X6" REDUCER	555466.21	1399965.14
0+96.55	6" VALVE	555472.21	1399965.00
1+03.55	6" PLUG & BUTTRESS	555479.21	1399964.82



8" & 6" WATER MAIN; BUILDING 'B'



8" SEWER MAIN; BUILDING 'B'

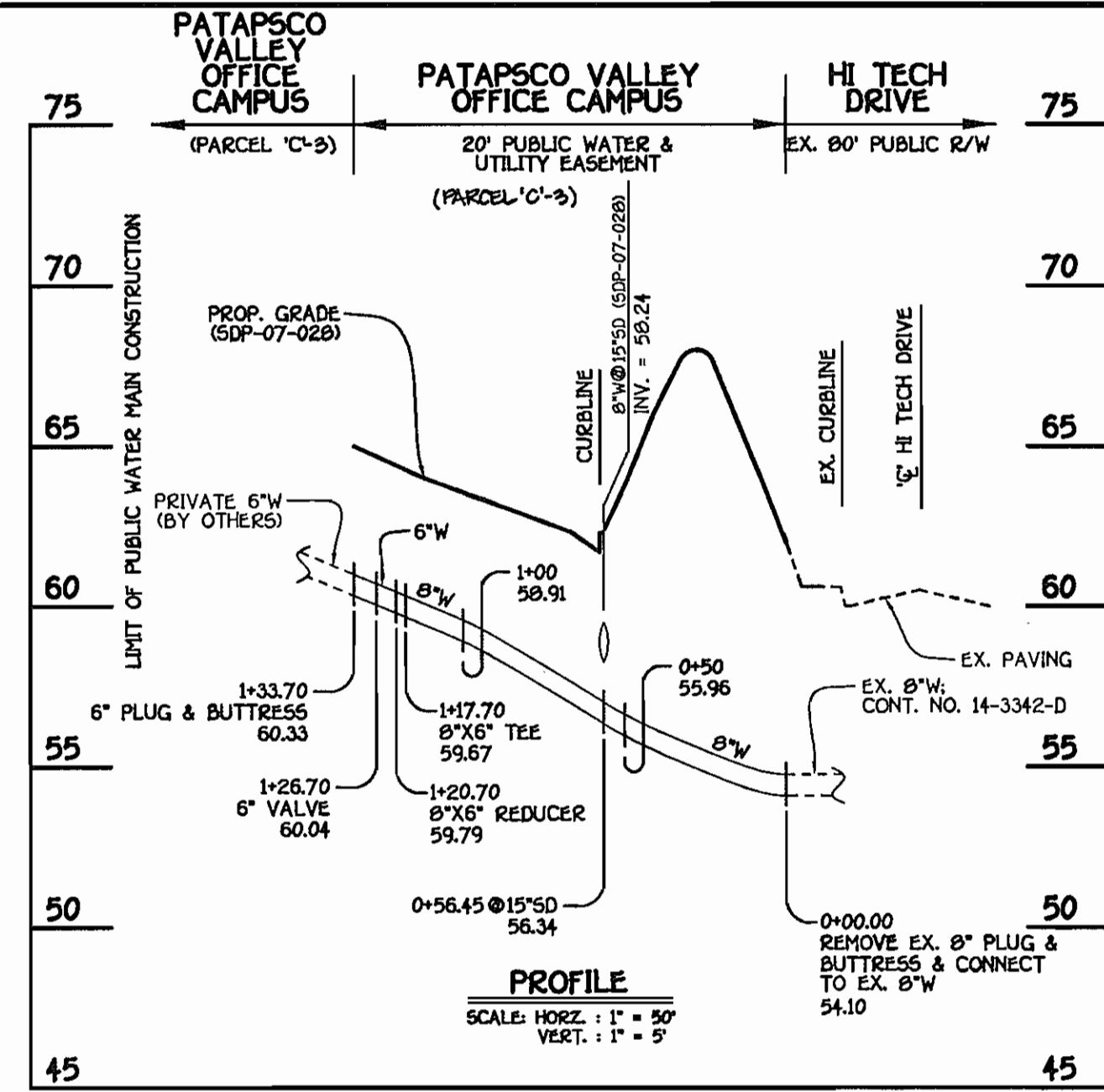
8" SEWER MAINS; BUILDINGS 'A' & 'C'

NO.	NORTHING	EASTING	RIM ELEVATION
C/O #1; BUILDING 'B'	555494.49	1399463.49	64.65

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" & 6" WATER MAIN; BUILDING 'B'			
0+00.00	EX. 8" PLUG & BUTTRESS	555382.35	1399890.94
0+83.00	8"X8" TEE	555445.33	1399880.90
0+89.00	8" VALVE	555445.20	1399882.91
2+01.16	1/8" H.B.	555442.81	1399770.78
2+10.52	1/8" H.B.	555449.26	1399763.99
2+19.52	8"X6" TEE	555458.26	1399763.77
3+80.68	1/8" H.B.	555619.38	1399759.82
3+99.43	1/8" H.B.	555632.31	1399746.24
7+25.36	8"X6" TEE	555624.31	1399420.40
7+28.36	8"X6" REDUCER	555624.23	1399417.41
7+34.36	6" VALVE	555624.09	1399411.41
7+41.36	6" PLUG & BUTTRESS	555623.91	1399404.41

NO.	NORTHING	EASTING	RIM ELEVATION
C/O #4; BUILDING 'A'	555527.87	1390080.67	62.00
1	555527.10	1390098.64	63.50
C/O #7; BUILDING 'C'	555526.32	1390108.61	62.00

NOTE: SET MH RIM 1'-6" ABOVE EXISTING GROUND.



8" & 6" WATER MAIN; BUILDING 'C'

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" & 6" WATER MAIN; BUILDING 'C'			
0+00.00	EX. 8" PLUG & BUTTRESS	555372.16	1390290.30
1+17.70	8"X6" TEE	555489.82	1390287.42
1+20.70	8"X6" REDUCER	555492.82	1390287.34
1+26.70	6" VALVE	555498.82	1390287.20
1+33.70	6" PLUG & BUTTRESS	555505.82	1390287.02

AS BUILT
DATE: FEBRUARY 2008

CONTRACT NO. 14-4423-D
PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Ruth Benja 3-1-07
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
DATE: 3/2/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION

FISHER, COLLINS & CARTER, INC.
CIVIL, ENGINEERING, CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PRZ
ELLSWORTH CITY, MARYLAND 21041
410.481.2095

STATE OF MARYLAND
PROFESSIONAL ENGINEER
TERRELL A. FISHER

DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: FEBRUARY, 2007
REVISION: 1/1/08
REVISION: 2/1/08
REVISION: 3/1/08

WATER & SEWER MAIN EXTENSIONS
PROFILES
60' SCALE MAP NO. 38 BLOCK NO. 14,15,20 & 21
F.C.C. WORK ORDER NO. 05003-6001
FILE NAME: WATER MAIN EXTENSION PROFILE SHEET

PATAPSCO VALLEY BUSINESS CENTER
PATAPSCO VALLEY OFFICE CAMPUS
PARCELS C-1, C-2 AND C-3
CONTRACT NO. 14-4423-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 4 OF 4