

SHEET INDEX

Table with 2 columns: NO., TITLE. Rows include: 1. TITLE SHEET, 2. PLAN OF WATER EXTENSION, 3. PROFILES OF WATER EXTENSION

WATER EXTENSION
PARCEL A
DORSEY RUN
INDUSTRIAL CENTER
1st ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 44-4213-D

GENERAL NOTES

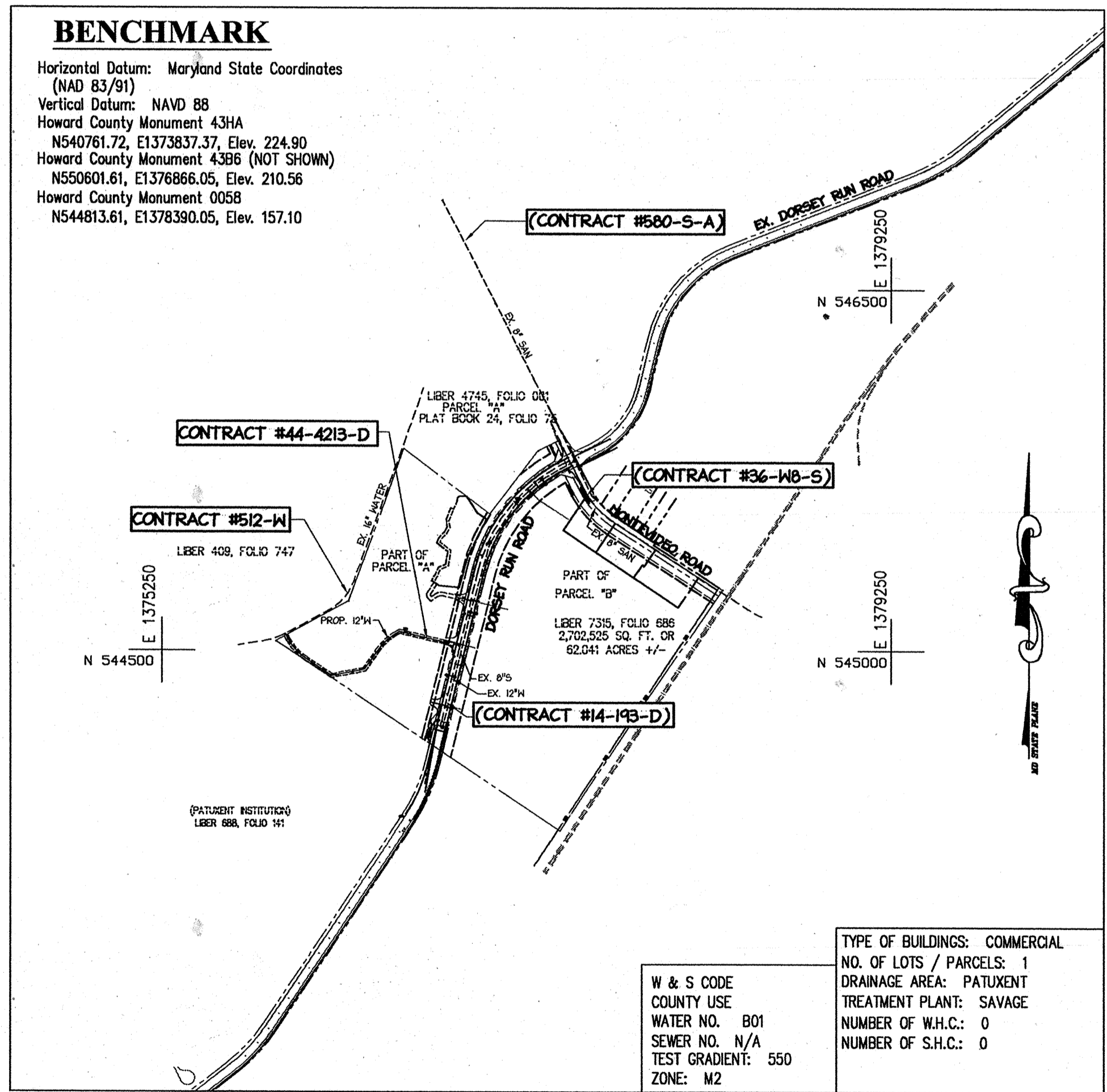
- 1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY...
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, NAD 83/91...
3. ALL VERTICAL CONTROLS ARE BASED ON NAVD 88...
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS OTHERWISE NOTED ON THE PLANS...
5. CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED...
6. 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)...
7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT...
8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS...
9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT...
10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION...
11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-7450 AT LEAST FIVE (5) WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD...
12. ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED...
13. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED...
14. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES...
15. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS...
16. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS...
17. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM...
18. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED...
19. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED...
20. FORCE MAINS SHALL BE D.I.P. ONLY...
21. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY...
22. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILES SHALL HAVE WAERTIGHT FRAME AND COVER, STANDARD DETAIL 65.52...
23. HOUSE(S) WITH THE SYMBOL " C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.

QUANTITIES

Table with columns: ITEMS, QUANTITIES ESTIMATED, AS-BUILT (QUANTITIES, TYPE, MANUFACTURER/SUPPLIER). Rows include: 12" WATER (1089 LF), 6" WATER (20 LF), 12" VALVES (1), 6" VALVES (1), 16"x 12" T.S.&V. (1), 12"x 6" TEES (1), FIRE HYDRANT-4.0 (1).

BENCHMARK

Horizontal Datum: Maryland State Coordinates (NAD 83/91)
Vertical Datum: NAVD 88
Howard County Monument 43HA
N540761.72, E1373837.37, Elev. 224.80
Howard County Monument 43B6 (NOT SHOWN)
N550601.61, E1376886.05, Elev. 210.56
Howard County Monument 0058
N544813.61, E1378390.05, Elev. 157.10



VICINITY MAP
SCALE: 1"=600'

TYPE OF BUILDINGS: COMMERCIAL
NO. OF LOTS / PARCELS: 1
DRAINAGE AREA: PATUXENT
TREATMENT PLANT: SAVAGE
NUMBER OF W.H.C.: 0
NUMBER OF S.H.C.: 0
W & S CODE
COUNTY USE
WATER NO. B01
SEWER NO. N/A
TEST GRADIENT: 550
ZONE: M2

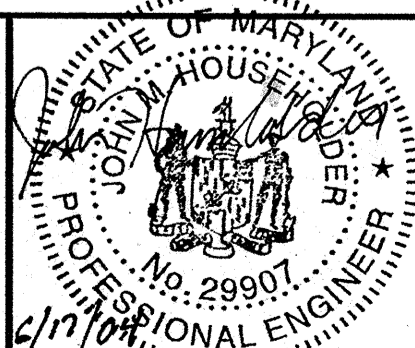
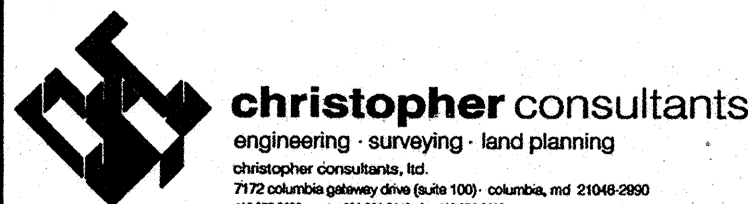
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-04-100

Review and approval boxes for Howard Soil Conservation District and Natural Resources Conservation Service, including signatures and dates (7/1/04).

OWNER / DEVELOPER
MONTWEDGO SOUTH BUSINESS TRUST
C/O TRAMMELL CROW COMPANY
7315 WISCONSIN AVENUE
SUITE 300 W
BETHESDA, MARYLAND 20814
TEL (301) 530-6200
FAX (301) 530-6131

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Signature: R. J. B...
DATE: 6-25-04

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Signature: M. J. D...
DATE: 7/6/04

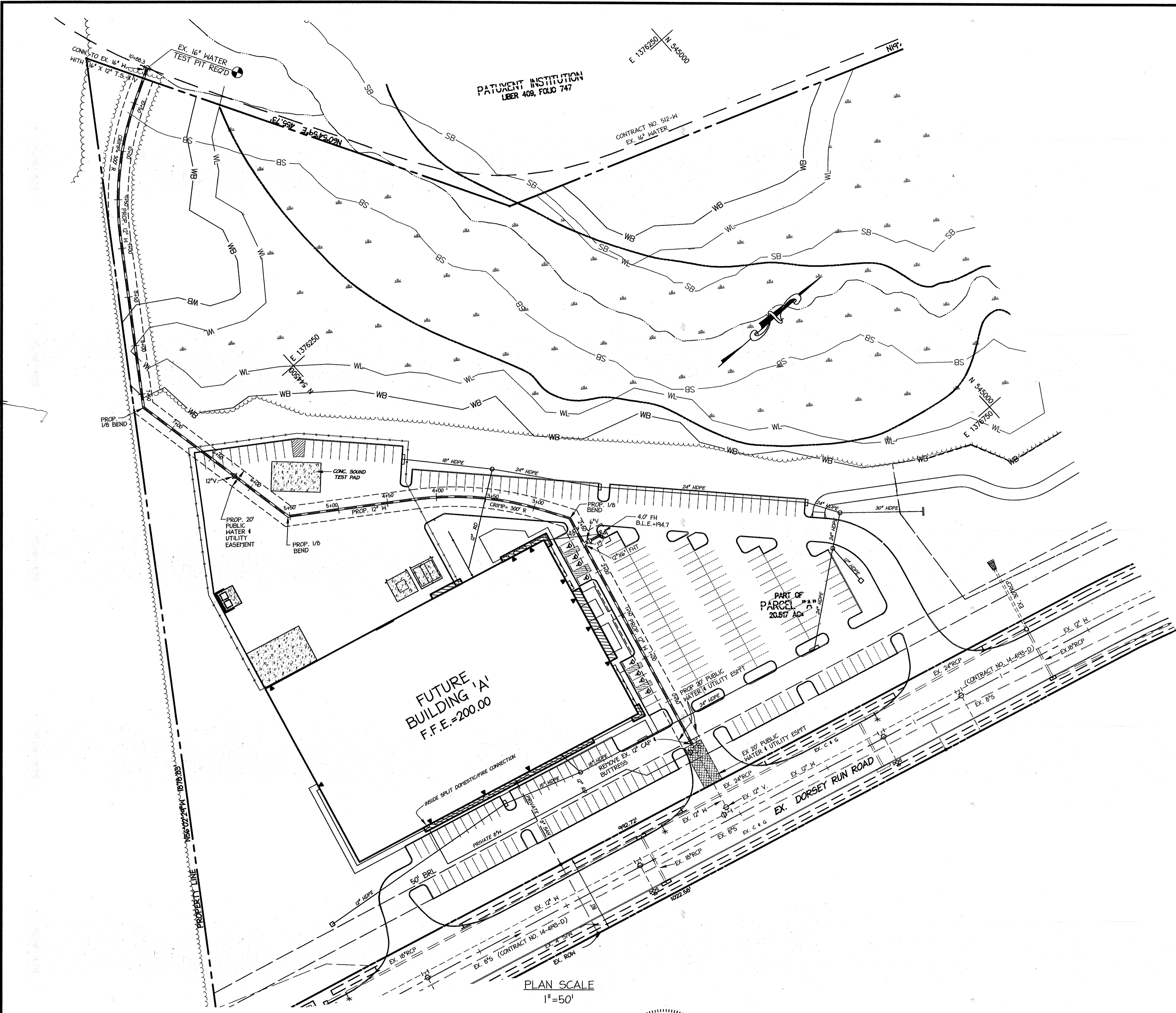


Revision table with columns: DES, DRN, CHK, DATE, BY, NO., REVISION. Includes entry: AS BUILT DATA ADDED TO PLAN, 08/04/04, JC1, 1.

TITLE SHEET

WATER EXTENSION
PARCEL A
DORSEY RUN INDUSTRIAL CENTER
CONTRACT NO. 44-4213-D
TAX MAP 43 PARCELS 100, 325, 372, 572 AND 574 ZONE: M2
1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 3



WATER CURVE DATA	
NO.	CRIMP RADIUS
①-⑤	300'
⑥-⑩	300'

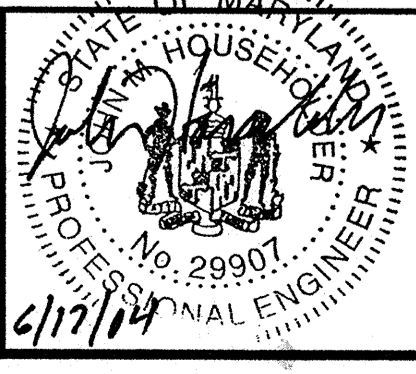
WATER LINE DATA				
NO.	STATION	DESCRIPTION	NORTHING	EASTING
①	0+00	REMOVE 12" CAP CONN. TO EX. 12" W/L	544,544.53	1,376,807.68
②	2+32.33	12" X 6" FHT	544,598.71	1,376,581.76
③	2+62.00	1/8 HB	544,605.63	1,376,552.90
④	2+93.11	P.C.	544,589.37	1,376,526.38
⑤	4+21.54	P.T.	544,501.19	1,376,434.36
⑥	5+51.68	1/8 HB	544,393.25	1,376,361.66
⑦	6+20.00	12" V	544,380.16	1,376,294.61
⑧	7+36.25	1/8 HB	544,357.89	1,376,180.51
⑨	9+09.16	P.C.	544,454.48	1,376,037.09
⑩	10+54.35	P.T.	544,561.03	1,375,940.56
⑪	10+88.32	16" X 12" T.S. & V CONN. TO EX. 16" W/L	544,590.94	1,375,924.44

PLAN SCALE
1"=50'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature]
6-25-04
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
[Signature]
7/6/04
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

christopher consultants
engineering - surveying - land planning
christopher consultants, inc.
7172 coltsville gateway drive (route 103) coltsville, md 21046-2850
410.322.8800 www.christopherconsultants.com

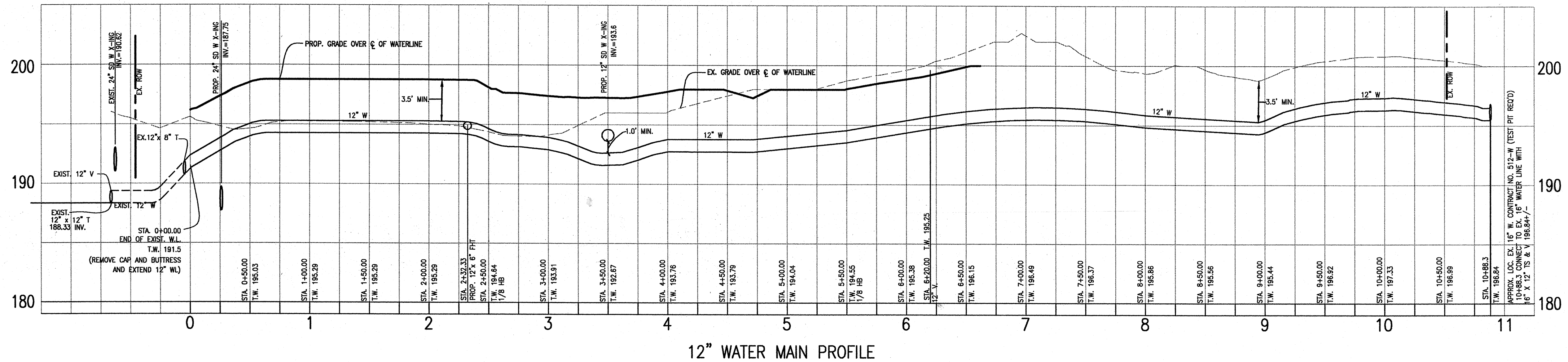


DES:	BAM		
DRN:	BAM		
CHK:	JMH		
DATE:	6/17/04		
BY:	KCI	1	AS BUILT DATA ADDED TO PLAN
NO.:			
REVISION:			
DATE:	6/17/04		

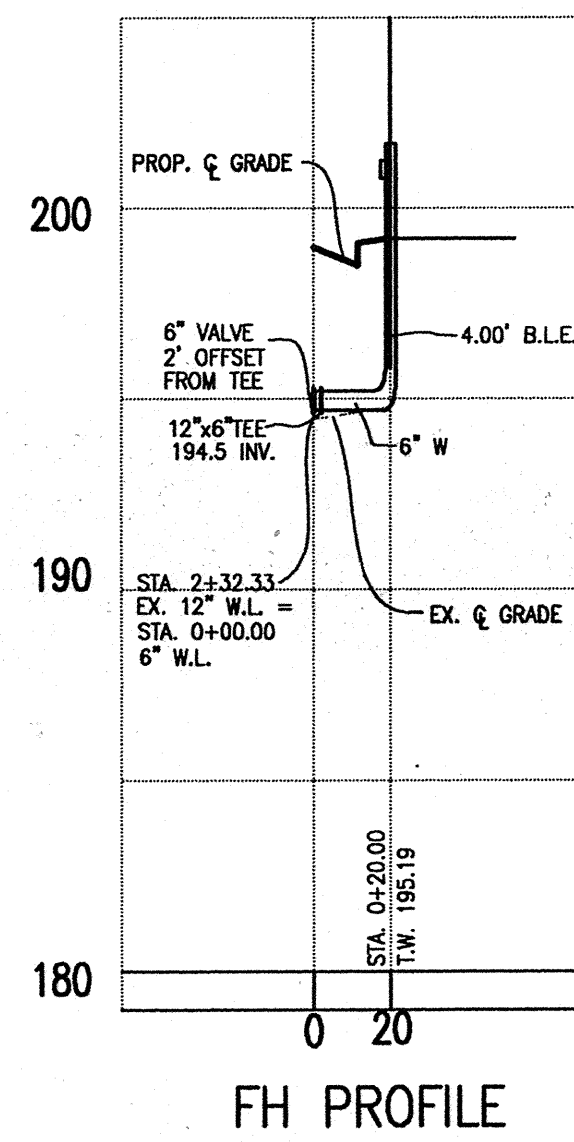
PLAN OF
WATER EXTENSION
600 SCALE MAP NO. 43 BLOCK NO. 16/17

WATER EXTENSION
PARCEL A
DORSEY RUN INDUSTRIAL CENTER
CONTRACT NO. 44-4213-D
TAX MAP 43 PARCELS 100, 325, 372, 572 AND 574 ZONE: M2
1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE
1"=50'
SHEET
2 OF 3



PROFILE SCALE
 HORIZ: 1"=50'
 VERT: 1"=5'

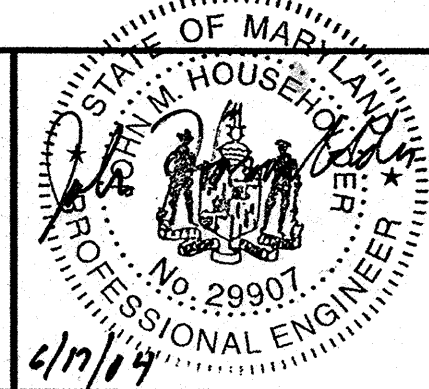


PROFILE SCALE
 HORIZ: 1"=50'
 VERT: 1"=5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 6-25-04
 DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 7/6/04
 DATE

christopher consultants
 engineering · surveying · land planning
 christopher consultants, inc.
 7172 columbia gateway drive (suite 100) · columbia, md 21046-2860
 410.322.8800 · fax: 410.322.8844 · www.cristopher.com



DES:	BAM				
DRN:	BAM				
CHK:	JMH				
DATE:	6/17/04				
BY:	NO.	REVISION	DATE	600 SCALE MAP NO.	43
				BLOCK NO.	16/17

PROFILES OF
 WATER EXTENSION

WATER EXTENSION
 PARCEL A
DORSEY RUN INDUSTRIAL CENTER
 CONTRACT NO. 44-4213-D
 TAX MAP 43 PARCELS 100, 325, 372, 572 AND 574 ZONE M2
 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE
 AS SHOWN
 SHEET
 3 OF 3