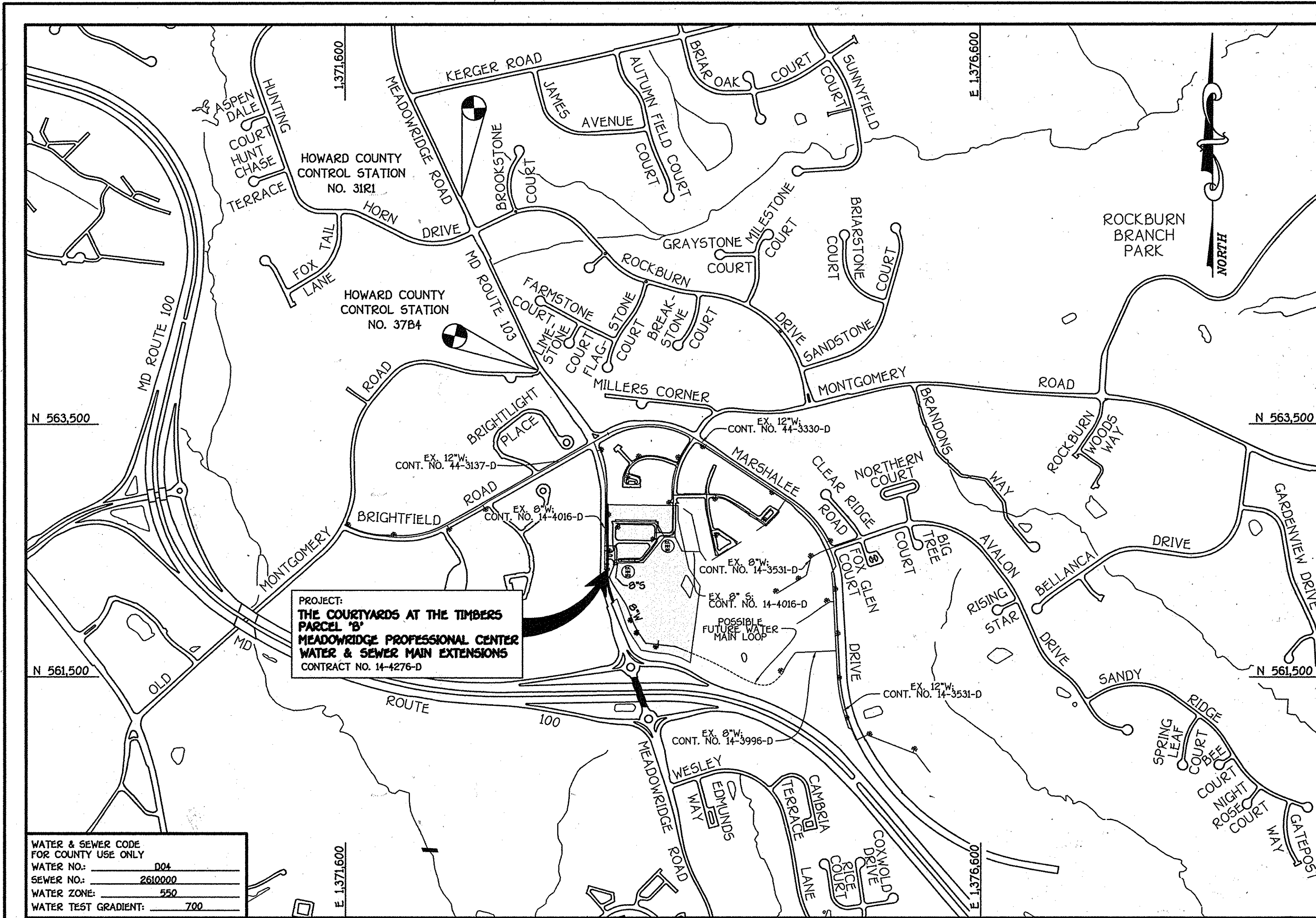


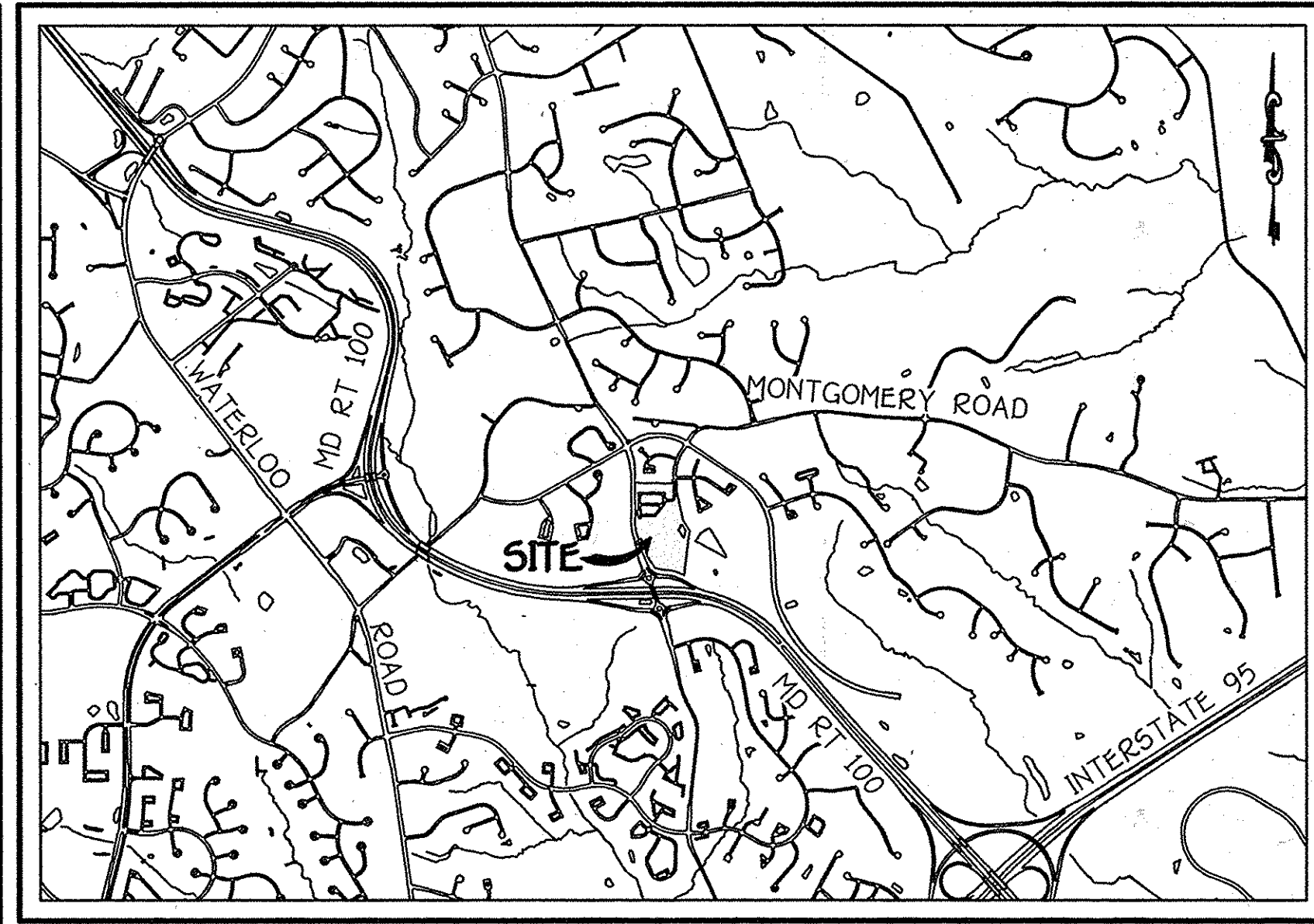
QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		SUPPLIER
		QUANTITIES	TYPE	
8" WATER MAIN	1,042 LF.	1,120.8	N/P	GRUPIN / ERS
6" WATER MAIN	43 LF.	33	"	"
8" VALVE	4 EACH	4	GATE	MUELLER / "
6" VALVE	3 EACH	3	GATE	"
8"x8" TEE	3 EACH	3	"	SIGMA / "
8"x6" TEE	3 EACH	3	"	"
1/8" H.B.	2 EACH	2	M/S	"
1/32" H.B.	1 EACH	0	"	"
8" PLUG & BUTTRESS	4 EACH	4	"	"
FIRE HYDRANTS	3 EACH	3	R.S.D.R. GATE V	MUELLER / "
8" SEWER (D.I.P.)	10 LF.	10	SDR - 35	ERS
8" PLUG	1 EACH	1	"	"

NAME OF UTILITY CONTRACTOR: CONSOLIDATED CONSTRUCTION
SURVEY & DRAFTING DIVISION AS-BUILT DATE:



WATER & SEWER CODE FOR COUNTY USE ONLY	004
WATER NO.	2610000
SEWER NO.	550
WATER ZONE	700
WATER TEST GRADIENT	

VICINITY MAP
SCALE: 1" = 600'



LOCATION MAP
SCALE: 1" = 2000'

- GENERAL NOTES**
- PART I
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES. 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 MARCH, 2004 BY FISHER, COLLINS & CARTER, INC.
 - HORIZONTAL AND VERTICAL CONTROLS: 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. 3181 & NO. 3784. 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 BRACING OF 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 \odot 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
 - BCE (CONSTRUCTION SERVICES) 410-650-4620
 - BCE (EMERGENCY) 410-685-1400
 - BUREAU OF UTILITIES 410-313-4900
 - COLONIAL PIPELINE CO. 410-795-1390
 - MISSISSIPPI UTILITY 1-800-297-7777
 - 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 REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE 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 18.114(a) OF THE HOWARD COUNTY CODE.

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. Koebel FOR:
100-103 CENTER, LLC 04-30-07
SIGNATURE OF DEVELOPER 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. Koebel 04/30/07
SIGNATURE OF ENGINEER DATE

GP-07-051

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

Jim Meyer 5-15-07
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

APPROVED: [Signature] 5-15-07
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDDIMENT 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-07-005.

Paul W. Koebel FOR:
100-103 CENTER, LLC 04-30-07
SIGNATURE OF DEVELOPER DATE

CONTRACT NO. 14-4276-D

THE COURTYARDS AT THE TIMBERS

PARCEL 'B'

MEADOWRIDGE PROFESSIONAL CENTER

WATER & SEWER MAIN EXTENSIONS

FIRST ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

BENCHMARK INFORMATION

B.M.#1 - HOWARD COUNTY CONTROL STATION *3181 NAD '83)
(APPROX. 3' OFF THE EAST SIDE EDGE OF MONTGOMERY ROAD, DIRECTLY IN FRONT OF HOUSE #529)
N 565,303.4906
E 1,372,517.7105
ELEVATION = 401.002

B.M.#2 - HOWARD COUNTY CONTROL STATION * 3784 (NAD '83)
(LOCATED ALONG THE SOUTH SIDE OF ROUTE 103 AT OLD MONTGOMERY ROAD, APPROX. 29.7' OFF THE EDGE OF PAVING)
N 563,928.5599
E 1,373,102.1034
ELEVATION = 401.395

DEVELOPER

100-103 CENTER LLC & COURTYARDS AT TIMBERS, LLC
5300 DODDYS HALL DRIVE
SUITE 102
ELLCOTT CITY, MARYLAND 21042

CONTRACT NO. 14-4276-D
THE COURTYARDS AT THE TIMBERS
PARCEL 'B'
MEADOWRIDGE PROFESSIONAL CENTER
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 5-8-07
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 5/16/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10725 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461-2022

DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: APRIL, 2007

DESIGNED BY: B.C.R.	DATE: APRIL, 2007
DRAWN BY: B.C.R.	DATE: APRIL, 2007
CHECKED BY: P.W.K.	DATE: APRIL, 2007
DATE: APRIL, 2007	DATE: APRIL, 2007

WATER & SEWER MAINS
TITLE SHEET

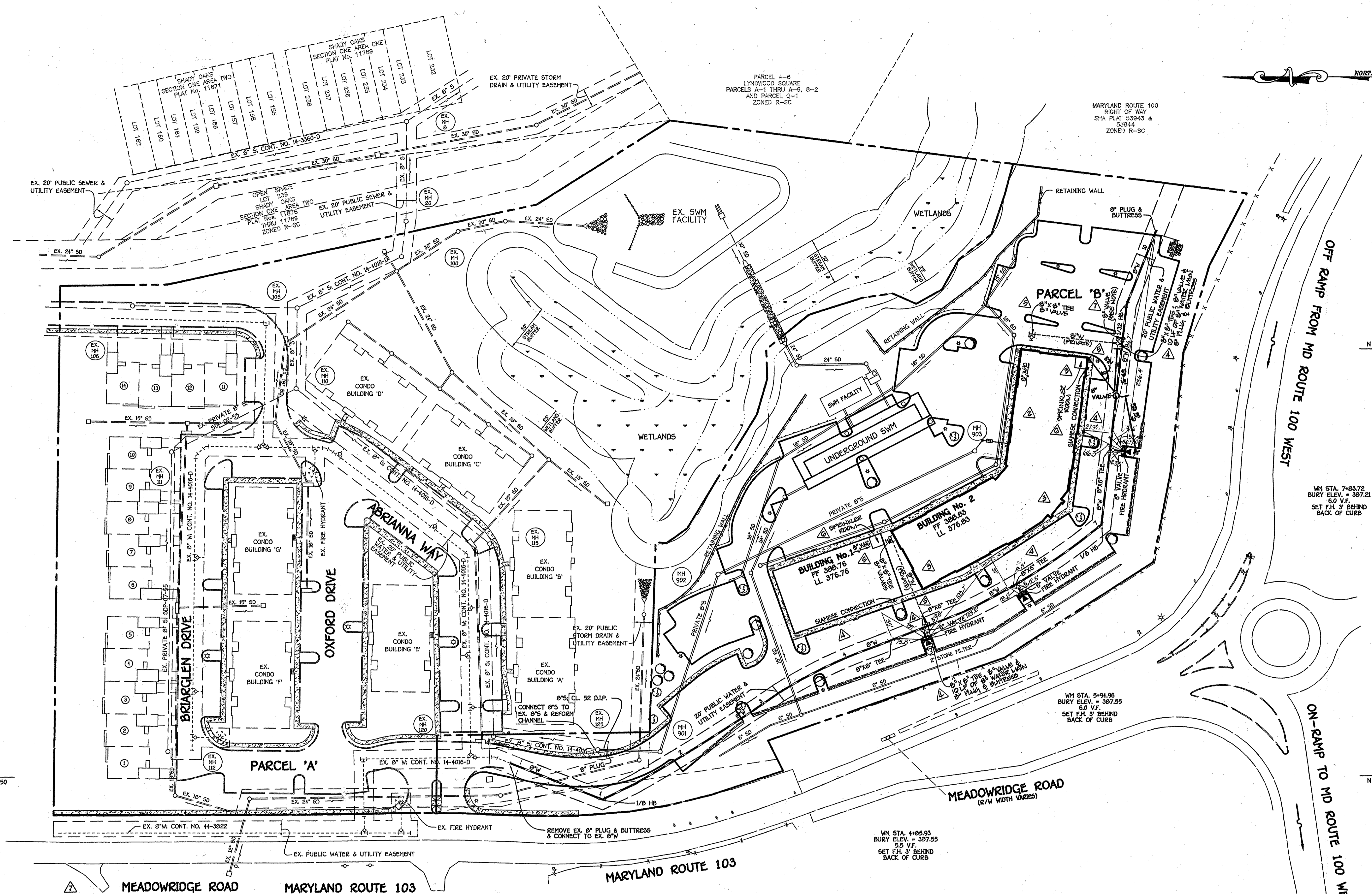
600' SCALE MAP NO. 37 BLOCK NO. 3 & 9
F.C.C. WORK ORDER NO. 04008-1001

FILE NAME: WATER MAIN EXTENSION TITLE SHEET

THE COURTYARDS AT THE TIMBERS
PARCEL 'B'
MEADOWRIDGE PROFESSIONAL CENTER
CONTRACT NO. 14-4276-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 3

13201404008dwg0408-4001 Water And Sewer Base Plan.dwg 5/20/07 4:19:01 PM, 11



NOTE: THE 8" VALVE AT WM STA. 5+94.96 AFTER THE 8" WATER CONNECTION TO BUILDING NO. 2 SHALL BE CLOSED & REMAIN CLOSED UNTIL THE 8" WATER MAIN IS EXTENDED INTO THE ADJACENT PARCEL. THIS WILL PREVENT A STAGNANT WATER CONDITION FROM DEVELOPING WITHIN THE UNUTILIZED PORTION OF THE INSTALLED WATER MAIN.

PLAN
SCALE: 1" = 50'

CLS	REVISION	DATE
NCI	AS-BUILT DATA ADDED	10/18/08
PCO	REVISE LOCATION & ORIENTATION OF 8" VALVE (ON-LINE)	1/10/11
PCO	INDICATE & REVISE SPRINKLER ROOMS FOR BLDGS. NO. 1 & 2	1/10/11
PCO	INDICATE & REVISE PRIVATE SECTIONS OF 8" HD. TO BLDGS. NO. 1 & 2	1/10/11
PCO	INDICATE & REVISE REVISED 8" HD. FOR BLDGS. NO. 1 & 2	1/10/11
PCO	INDICATE REVISED FOOTPRINT OF BUILDING NO. 2	1/10/11
PCO	REVISE REVISION OF BLDG. NO. 3 & RELATED ELEVATIONS	1/10/11

WATER & SEWER MAIN EXTENSIONS PLAN
600' SCALE MAP NO. 37 BLOCK NO. 3 & 9
F.C.C. WORK ORDER NO. 04008-4001
FILE NAME: 04008-4001 WATER & SEWER MAIN PLAN SHEET

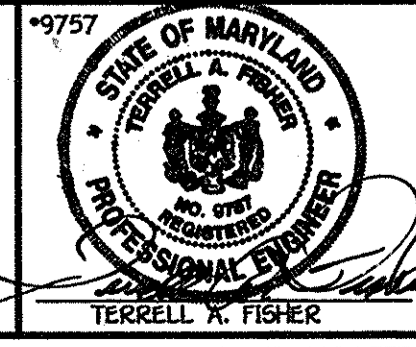
THE COURTYARDS AT THE TIMBERS
PARCEL 'B'
MEADOWRIDGE PROFESSIONAL CENTER
CONTRACT NO. 14-4276-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 of 3

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
R. J. B. 5-8-07
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
M. J. P. 5/16/07
CHIEF, DEVELOPMENT ENGINEERING DIVISION

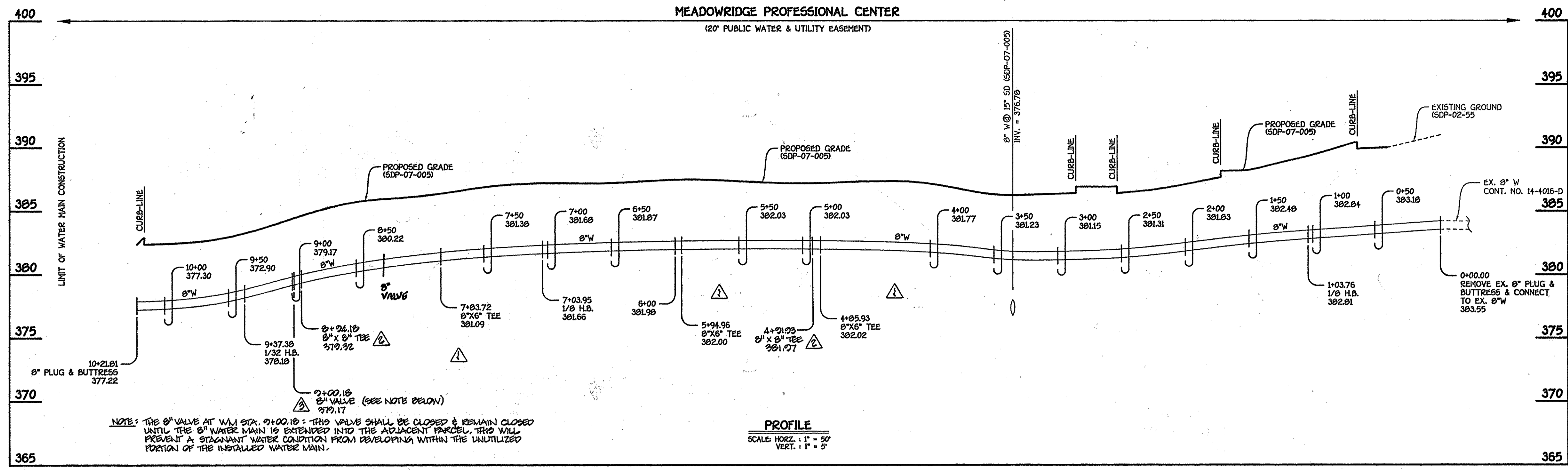
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21041
(410) 461-2995



DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: APRIL, 2007

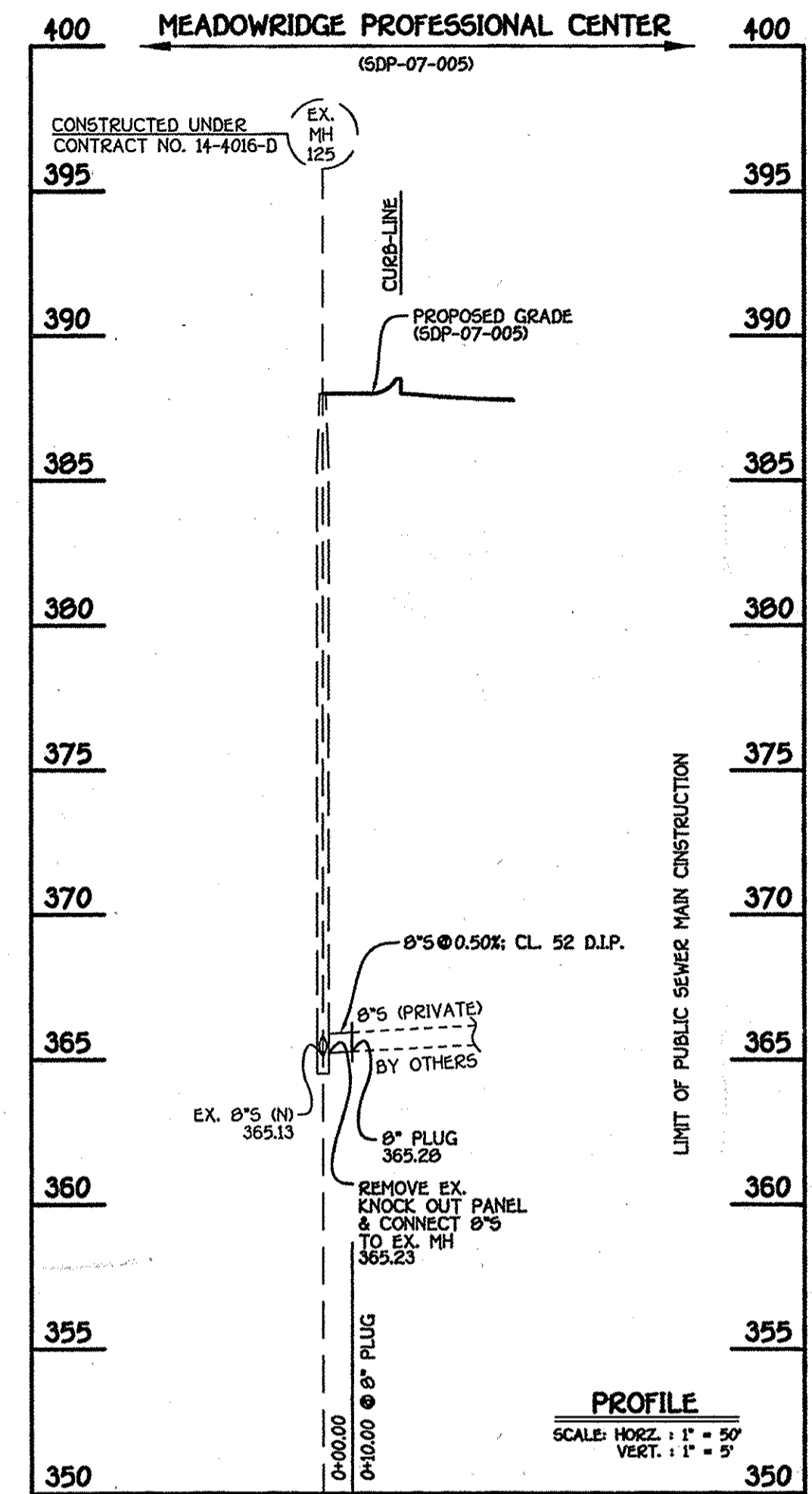
CONTRACT NO. 14-4276-D
THE COURTYARDS AT THE TIMBERS
PARCEL 'B'
MEADOWRIDGE PROFESSIONAL CENTER
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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8" WATER MAIN; BUILDINGS 1 THRU 3

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN; BUILDINGS 1 THRU 3			
0+00.00	CONNECT TO EX. 8"W	562385.33	1375713.97
1+03.76	1/8 H.B.	562288.93	1373675.58
1+41.69	PC (CRIMP RADIUS 1956)	562254.76	1373692.05
3+20.66	PRC (CRIMP RADIUS 1956)	562103.68	1373787.88
3+20.66	PRC (CRIMP RADIUS 492')	562103.68	1373787.88
4+31.18	PT (CRIMP RADIUS 492')	562004.38	1373835.88
4+91.83	8"x8" TEE	561947.90	1373856.28
4+95.93	8"x6" TEE	561953.47	1373855.99
5+31.32	PC (CRIMP RADIUS 704')	561911.25	1373872.67
5+94.96	8"x6" TEE	561854.99	1373902.35
6+75.58	PT (CRIMP RADIUS 704')	561787.94	1373947.04
7+03.95	1/8 H.B.	561765.72	1373964.68
7+83.72	8"x6" TEE	561756.63	1374043.93
8+24.18	8"x8" TEE	561744.04	1374183.87
9+00.18	8" VALVE	561743.36	1374182.82
9+37.38	1/32 H.B.	561739.12	1374196.59
10+21.81	8" PLUG & BUTTRESS	561708.11	1374275.13



8" SEWER MAIN

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
EX. MH 125	562293.77	1373728.15	---
8" PLUG	562283.73	1373727.81	---

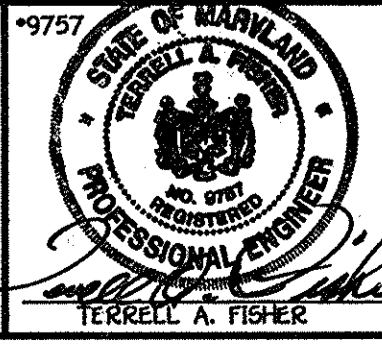
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
5-8-07
DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
5/16/07
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2855



DESIGNED BY: *[Signature]*
B.C.R.

DRAWN BY: *[Signature]*
B.C.R.

CHECKED BY: *[Signature]*
P.W.K.

DATE: APRIL, 2007

WATER & SEWER MAIN EXTENSIONS PROFILES

600' SCALE MAP NO. 37 BLOCK NO. 3 & 9
F.C.C. WORK ORDER NO. 04009-4001
FILE NAME: 04009-4001 WATER MAIN PROFILE SHEET

THE COURTYARDS AT THE TIMBERS
PARCEL "B"
MEADOWRIDGE PROFESSIONAL CENTER
CONTRACT NO. 14-4276-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3

CONTRACT NO. 14-4276-D
THE COURTYARDS AT THE TIMBERS
PARCEL "B"
MEADOWRIDGE PROFESSIONAL CENTER
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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