

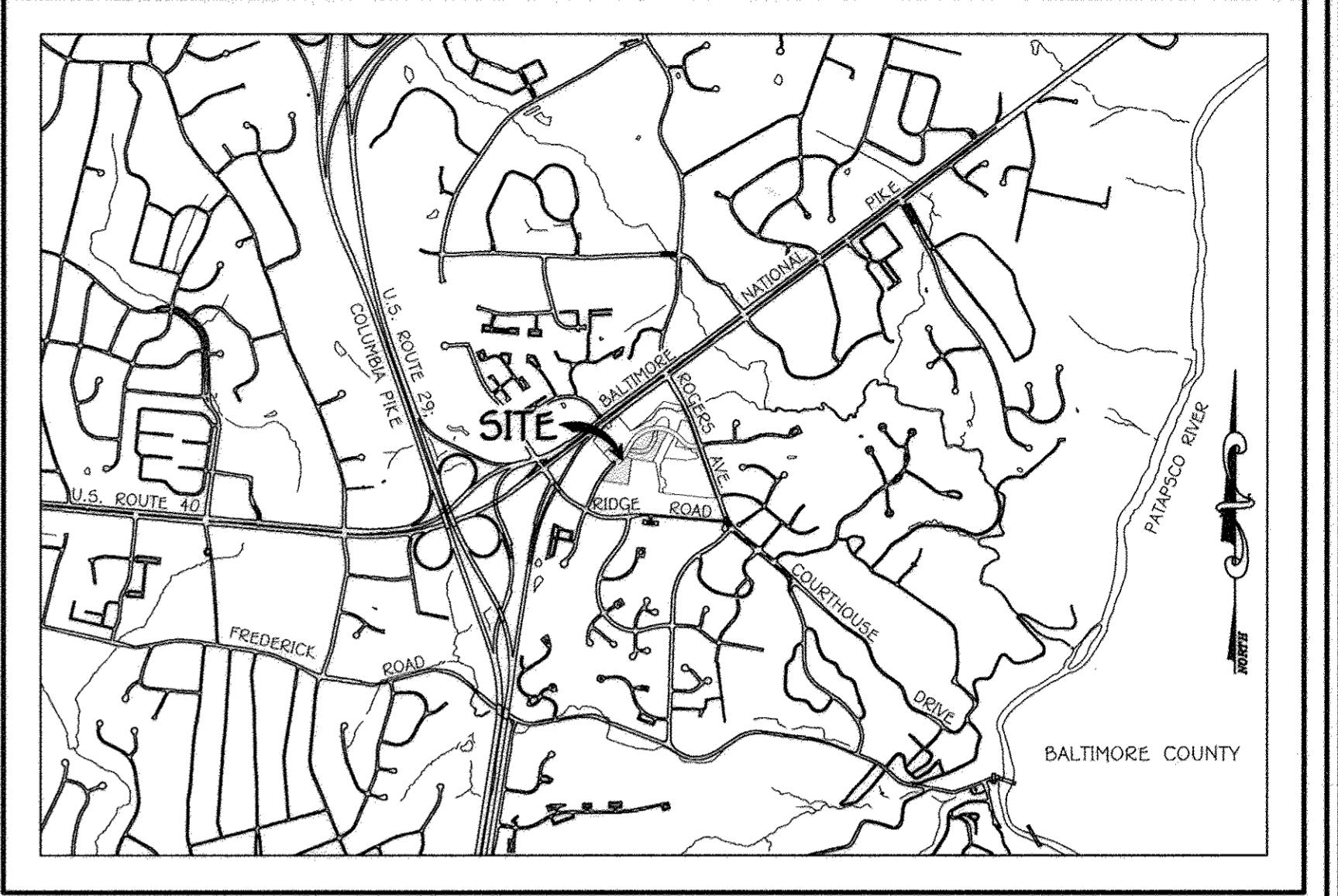
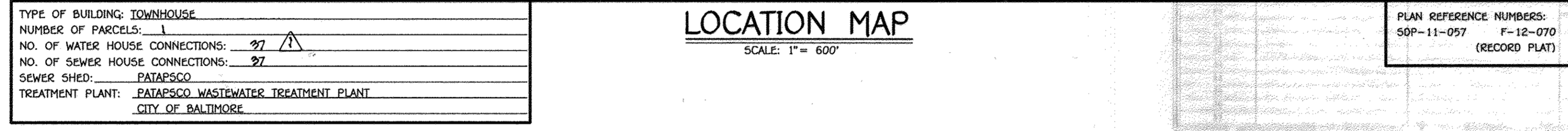
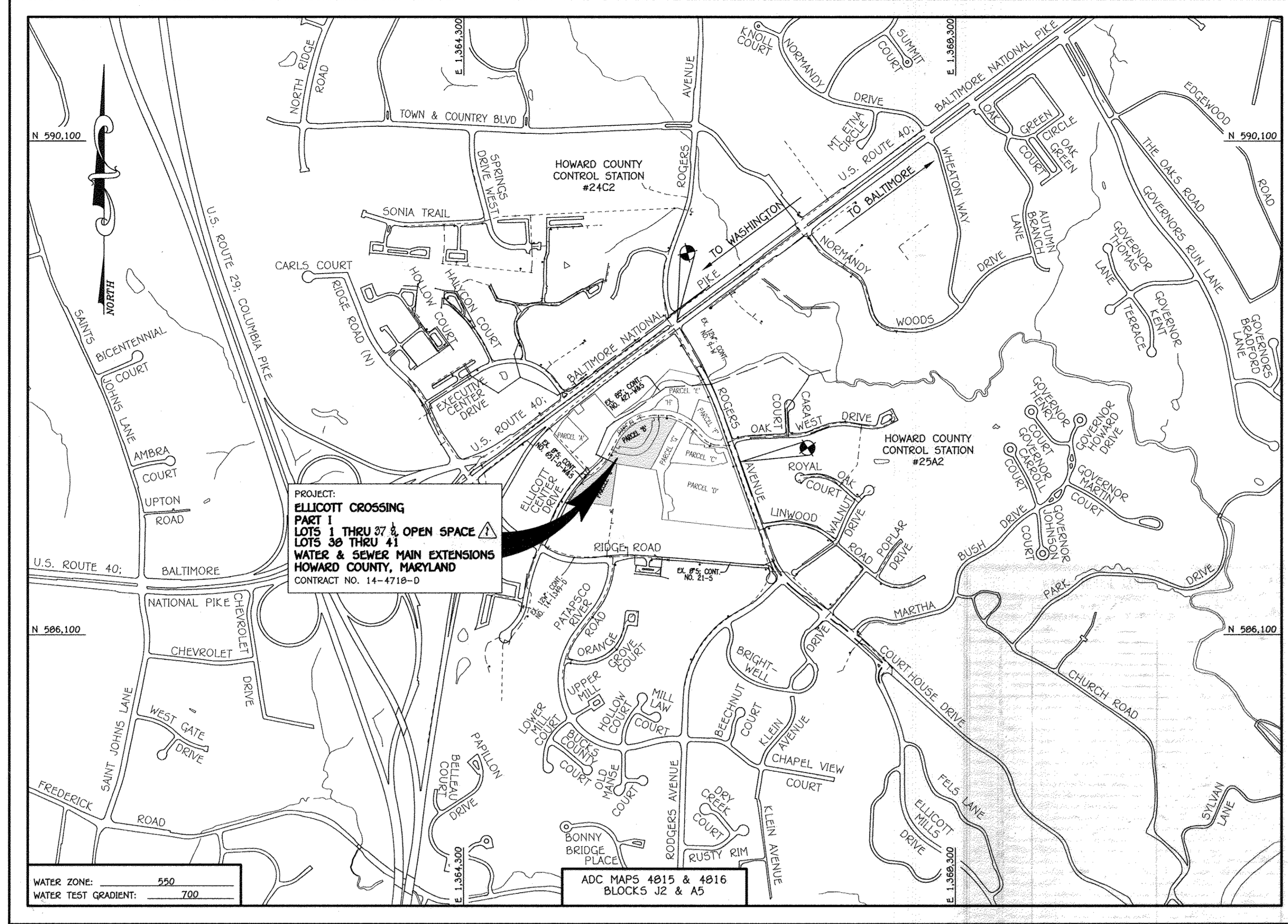
QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	AS-BUILT	SUPPLIER
8" S	617 LF.	623 LF	PVC SDR 35	JM EAGLES
4" S	1,100 LF.	1116 LF	PVC SDR 35	JM EAGLES
MANHOLE	7 EACH	7 EA.	CONCRETE	ATLANTIC
8" W	907 LF.	527	CCC	JM EAGLES
1-1/2" WHC	541 LF.	540 LF	K COPPER	CAMBRIDGE LEE
1/16 H.B.	8 EACH	3 EA.	PIC 32G	HARCO
1/32 H.B.	4 EACH	4 EA.	PIC 32G	HARCO
8" VALVE	1 EACH	1 EA.	CORE VALVE	MULLER
SINGLE OUTSIDE METER SETTING	9 EACH	3 EA.	1/2" HOWARD CO SINGLE SET	A.Y. McDONALD
TWIN OUTSIDE METER SETTING	17 EACH	17 EA.	1/2" HOWARD CO TWIN SETTING	A.Y. McDONALD

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

BENCHMARK INFORMATION

B.M.#1 - HOWARD COUNTY CONTROL STATION #24C2 - HORIZONTAL - NAD '83
 (LOCATED IN THE MIDDLE OF MD ROUTE 40; BALTIMORE NATIONAL PIKE, IN THE NORTHEAST SIDE OF THE THE MEDIAN, AT THE INTERSECTION ON ROGERS AVENUE AND MD ROUTE 40)
 N 586,648.3703
 E 1,366,6038.1386
 ELEVATION = 354.017 - VERTICAL - (NAVD '86)

B.M.#2 - HOWARD COUNTY CONTROL STATION #25A2 - HORIZONTAL - NAD '83
 (LOCATED ALONG ROGERS AVENUE, SOUTH OF OAK WEST DRIVE, APPROX. 6.2' SW OF SANITARY MANHOLE, ALONG THE EAST SIDE OF ROAD, APPROX. 67.8' NORTH OF HOUSE NO. 3329)
 N 587,502.7292
 E 1,366,556.3776
 ELEVATION = 348.145 - VERTICAL - (NAVD '86)



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- PART A
- 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 MARCH, 2011 BY FISHER, COLLINS & CARTER, INC.
 - HORIZONTAL AND VERTICAL SURVEY 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. 24C2 & NO. 25A2. ALL VERTICAL CONTROLS ARE BASED ON NAVD '86. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS.
 - 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 (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	1-800-252-1133
BGE (CONTRACTOR SERVICES)	410-637-8713
BGE (EMERGENCY)	410-665-0123
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-799-1390
MISSISSIPPI 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 REMOVE TREES, STUMPS 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 18.114(a) OF THE HOWARD COUNTY CODE.

- PART B: WATER MAIN GENERAL NOTES
- ALL WATER MAINS SHALL BE AWWA C900 PVC DR-18.
 - 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.
 - TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL D.I.P. AND PVC WATER MAINS IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL.
 - FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWWA STANDARD C900 FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.
 - UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC FITTINGS USED WITH PVC WATER MAINS IN ACCORDANCE WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSES. ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TEES" USED WITH PVC MAINS SHALL BE DUCTILE IRON.
 - TO ACCOMMODATE A SPRINKLER SYSTEM, ALL DWELLING UNITS SHALL HAVE A 1 1/2" CONNECTION WITH A 1" OUTSIDE MEASUR SETTING STD. DETAIL W-308 AND W-302.
- PART C: SEWER MAIN GENERAL NOTES
- 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 18" WALLS ARE FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. 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 THAT CELLAR CANNOT BE SERVED.

DEVELOPER'S CERTIFICATION

" I 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."

MIT Developers, LLC
 SIGNATURE OF DEVELOPER: MIT Developers, LLC DATE: 6/4/12

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. Kriebel
 SIGNATURE OF ENGINEER: Paul W. Kriebel DATE: 06/04/12

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 306 OF THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THE SITE DEVELOPMENT PLAN, SDP-11-057.

MIT Developers, LLC
 SIGNATURE OF DEVELOPER: MIT Developers, LLC DATE: 6/4/12

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

APPROVED: *Howard Soil Conservation District*
 SIGNATURE OF HOWARD SOIL CONSERVATION DISTRICT: Howard Soil Conservation District DATE: 6/25/12

CONTRACT NO. 14-4718-D
ELLICOTT CROSSING
 PART I
 LOTS 1 THRU 37 & OPEN SPACE LOTS 38 THRU 41
 WATER & SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

OWNERS
 HOWARD COUNTY, MD 3430 COURTHOUSE DRIVE ELLICOTT CITY, MD 21042 410-313-4400
 M & T DEVELOPERS, LLC 4515 MANOE LANE ELLICOTT CITY, MARYLAND 21042 443-367-0422

DEVELOPER
 M & T DEVELOPERS, LLC 4515 MANOE LANE ELLICOTT CITY, MARYLAND 21042 443-367-0422

CONTRACT NO. 14-4718-D
 ELICOTT CROSSING PART I LOTS 1 THRU 37 & OPEN SPACE LOTS 38 THRU 41 WATER & SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 CHIEF, BUREAU OF UTILITIES
 DATE: 6/12/12

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 7/2/12

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 12943 EXPIRATION DATE 5/7/16/12.

Fisher, Collins & Carter, Inc.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10722 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461-2995

STATE OF MARYLAND
 PAUL W. KRIEBEL
 PROFESSIONAL ENGINEER
 LICENSE NO. 12943

DESIGNED BY: B.C.R.
 DRAWN BY: B.C.R.
 CHECKED BY: P.W.K.
 DATE: JUNE, 2012
 BY: NO. REVISION

DATE: 1/19/12
 DATE: 4/4/12

AS BUILTS
 REVEALED PARCELS 1' FROM CONTRACT AND REVEALED SHEET NO.

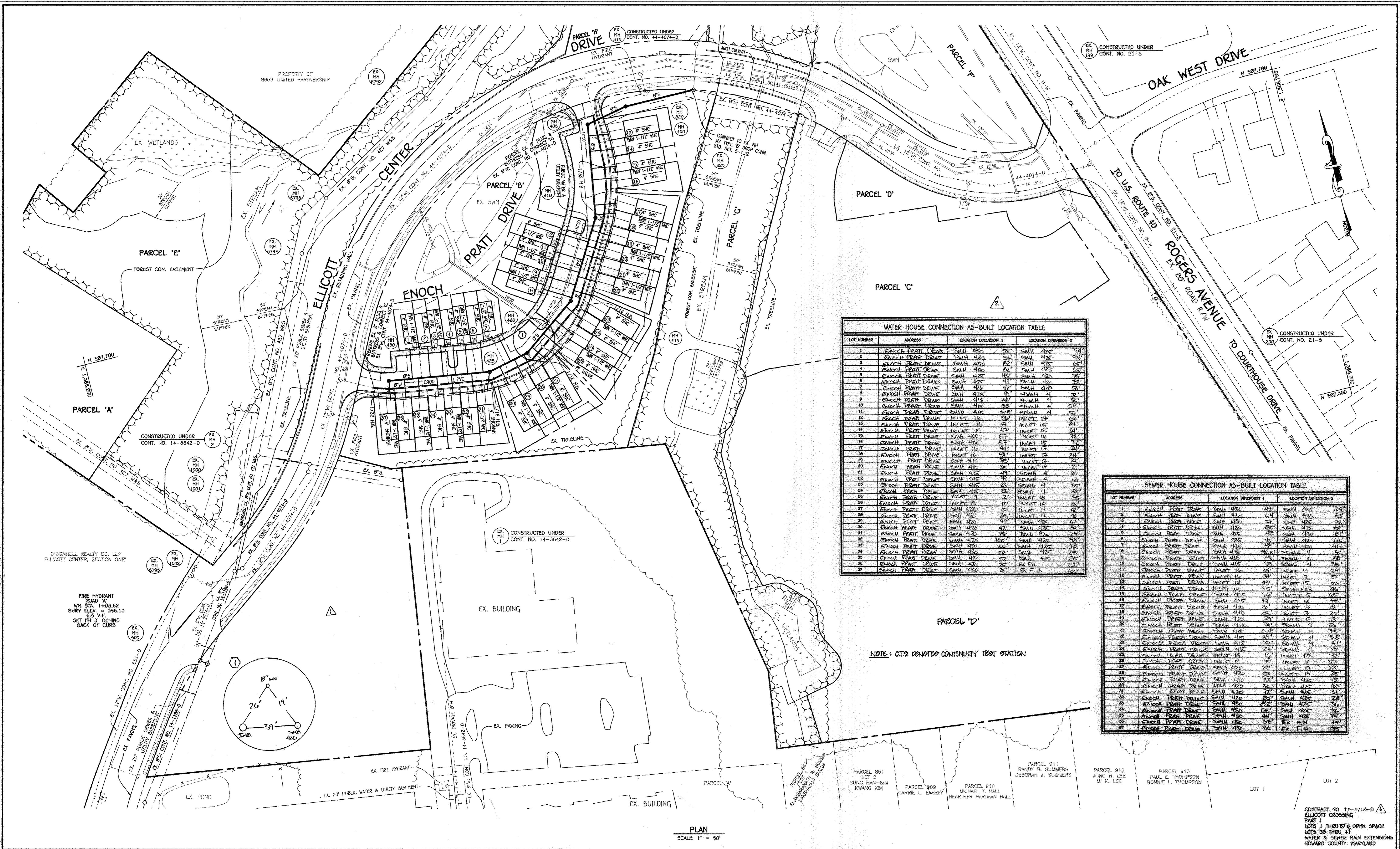
WATER & SEWER MAIN EXTENSIONS
 TITLE SHEET

600' SCALE MAP NO. 24/25 BLOCK NO. 6/1
 F.C.C. WORK ORDER NO. 10040
 FILE NAME: WATER & SEWER MAIN EXTENSION TITLE SHEET

ELLICOTT CROSSING
 PART I
 LOTS 1 THRU 37 & OPEN SPACE LOTS 38 THRU 41
 WATER & SEWER MAIN EXTENSIONS
 CONTRACT NO. 14-4718-D
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 3

14-2010-10040.dwg (10040-3001 Water and Sewer Base Plan 14-4718 (Phase 1).dwg, 6/4/2012 8:38:19 AM



WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
2	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
3	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
4	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
5	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
6	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
7	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
8	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
9	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
10	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
11	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
12	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
13	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
14	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
15	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
16	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
17	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
18	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
19	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
20	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
21	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
22	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
23	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
24	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
25	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
26	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
27	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
28	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
29	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
30	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
31	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
32	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
33	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
34	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
35	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
36	ENOCH PRATT DRIVE	SMALL 415	SMALL 415
37	ENOCH PRATT DRIVE	SMALL 415	SMALL 415

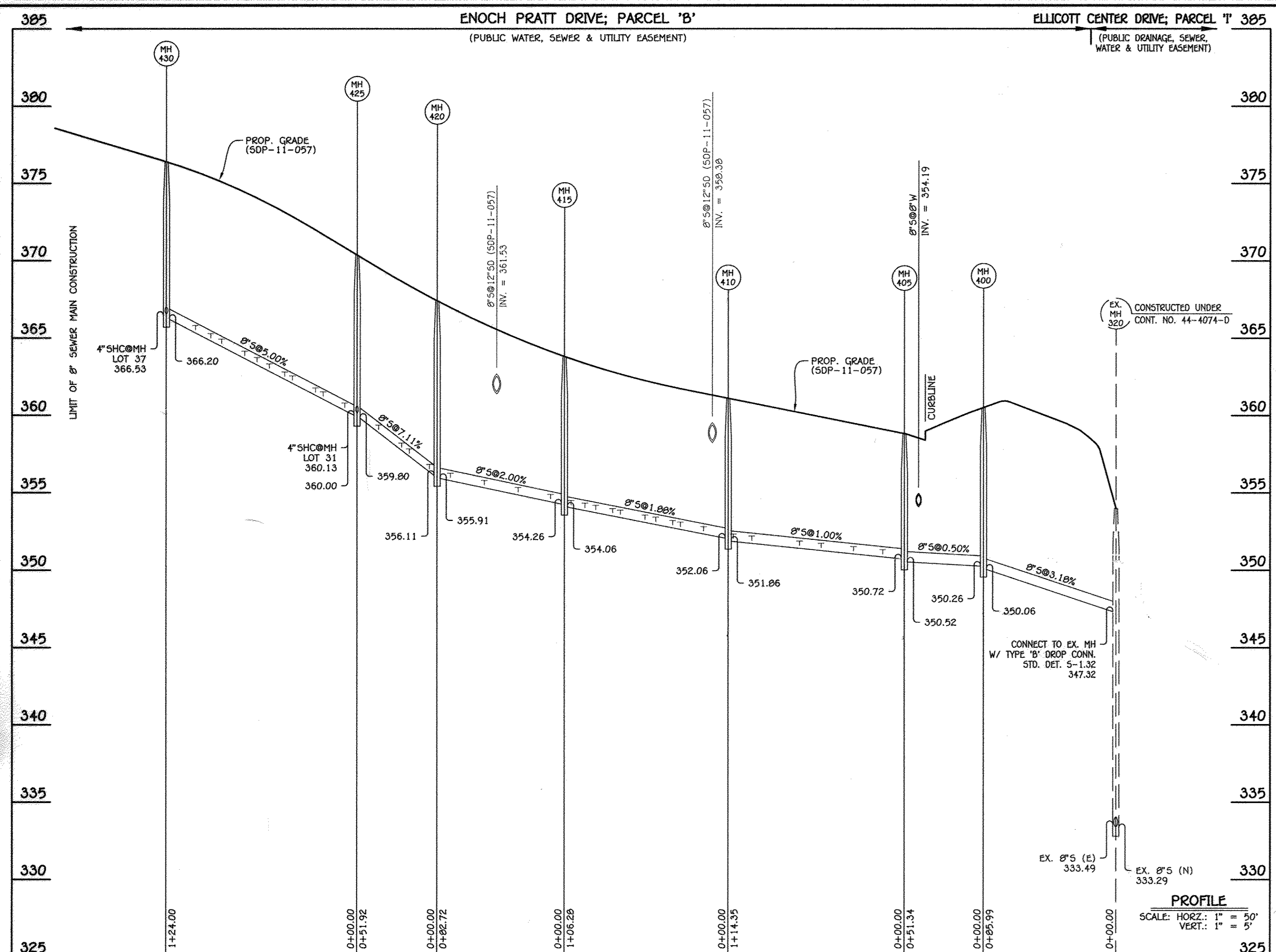
SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
2	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
3	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
4	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
5	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
6	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
7	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
8	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
9	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
10	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
11	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
12	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
13	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
14	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
15	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
16	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
17	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
18	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
19	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
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21	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
22	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
23	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
24	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
25	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
26	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
27	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
28	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
29	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
30	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
31	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
32	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
33	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
34	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
35	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
36	ENOCH PRATT DRIVE	SMALL 425	SMALL 425
37	ENOCH PRATT DRIVE	SMALL 425	SMALL 425

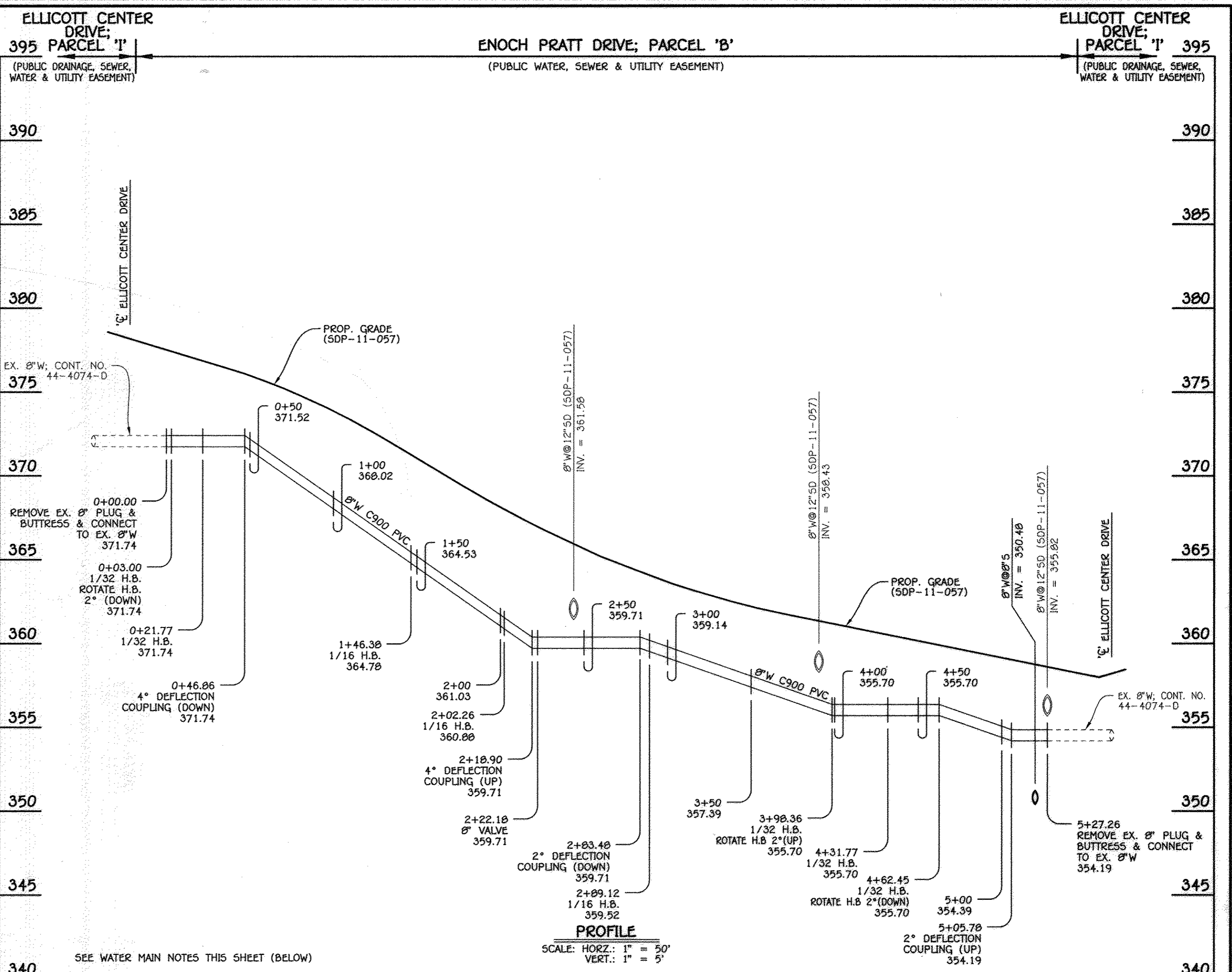
NOTE: CTS DENOTES CONTINUITY TEST STATION

PLAN
SCALE: 1" = 50'

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p>CHIEF, BUREAU OF UTILITIES</p>	<p>DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND</p> <p>CHIEF, DEVELOPMENT-ENGINEERING DIVISION</p>	<p>I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12043 EXPIRATION DATE IS 7/16/12.</p> <p>FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CONTINENTAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461-2895</p>	<p>#12043</p> <p>DESIGNED BY: B.C.R.</p> <p>DRAWN BY: B.C.R.</p> <p>CHECKED BY: P.W.K.</p> <p>DATE: JUNE, 2012</p>	<p>STATE OF MARYLAND PAUL W. KRIBBEL</p> <p>DESIGNED BY: B.C.R.</p> <p>DRAWN BY: B.C.R.</p> <p>CHECKED BY: P.W.K.</p> <p>DATE: JUNE, 2012</p>	<p>WATER & SEWER MAIN EXTENSIONS PLAN</p> <p>600' SCALE MAP NO. 24/25 BLOCK NO. 8/1</p> <p>F.C.C. WORK ORDER NO. 10040</p> <p>FILE NAME: WATER & SEWER MAIN EXTENSION PLAN</p>	<p>ELLICOTT CROSSING PART I LOTS 1 THRU 97 & OPEN SPACE LOTS 38 THRU 41</p> <p>WATER & SEWER MAIN EXTENSIONS CONTRACT NO. 14-4718-D SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	<p>SCALE AS SHOWN</p> <p>SHEET 2 OF 3</p>
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M.C.E. CHART	
LOT	M.C.E.
1	369.28
2	368.14
3	367.30
4	366.83
5	365.90
6	364.93
7	362.30
8	358.49
9	358.29
10	357.91
11	357.63
12	357.13
13	355.53
14	355.70
15	356.01
16	356.17
17	356.38
18	356.44
19	357.01
20	357.29
21	357.53
22	358.04
23	358.72
24	359.11
25	359.63
26	360.07
27	360.41
28	361.06
29	362.02
30	363.22
31	364.55
32	364.99
33	366.60
34	367.66
35	368.79
36	369.66
37	370.77



8" SEWER MAIN: ENOCH PRATT DRIVE

8" WATER MAIN: ENOCH PRATT DRIVE

SHC INVERT @ EDGE OF EASEMENT		
STATION	LOT	ELEVATION
MH 405 TO MH 410		
0+14 LT.	13	351.55
0+33 LT.	14	351.82
0+54 LT.	15	352.07
0+80 LT.	16	352.21
0+99 LT.	17	352.44
1+11 LT.	18	352.50
MH 410 TO MH 415		
0+16 LT.	19	353.01
0+31 RT.	12	353.57
0+36 LT.	20	353.39
0+47 LT.	21	353.59
0+54 RT.	11	354.01
0+70 RT.	10	354.31
0+75 LT.	22	354.12
0+86 RT.	9	354.61
0+93 LT.	23	354.46
1+02 RT.	8	354.91

SHC INVERT @ EDGE OF EASEMENT		
STATION	LOT	ELEVATION
MH 415 TO MH 420		
0+09 LT.	24	355.15
0+30 LT.	25	355.63
0+52 LT.	26	356.07
0+74 LT.	27	356.45
MH 420 TO MH 425		
0+05 LT.	28	357.14
0+18 LT.	29	358.08
0+23 RT.	7	358.64
0+38 LT.	30	359.48
0+42 LT.	31	360.61
MH 425 TO MH 430		
0+08 RT.	6	361.35
0+22 LT.	32	361.77
0+27 RT.	5	362.28
0+42 RT.	4	363.03
0+47 LT.	33	363.00
0+57 RT.	3	363.78
0+65 LT.	34	363.90
0+73 RT.	2	364.58
0+88 LT.	35	365.05
0+95 RT.	1	365.68
1+05 LT.	36	365.90
0+95 LT.	37	367.01

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
400	587846.91	1365919.62	360.50
405	587836.82	1365869.28	359.80
410	587723.90	1365891.21	361.10
415	587632.34	1365797.25	363.80
420	587583.62	1365730.40	367.40
425	587572.16	1365679.76	370.35
430	587591.06	1365557.21	376.38

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: ENOCH PRATT DRIVE			
0+00.00	EXISTING 8" PLUG & BUTTRESS	587587.90	1365536.35
0+03.00	1/32 H.B.	587586.55	1365539.04
0+21.77	1/32 H.B.	587580.99	1365556.96
1+46.38	1/16 H.B.	587561.99	1365680.12
2+02.26	1/16 H.B.	587574.33	1365734.62
2+22.18	8" VALVE	587586.05	1365750.71
2+89.12	1/16 H.B.	587625.48	1365804.81
3+98.36	1/32 H.B.	587719.59	1365860.28
4+31.77	1/32 H.B.	587750.92	1365871.90
4+62.45	1/32 H.B.	587781.18	1365876.95
5+27.26	EXISTING 8" PLUG & BUTTRESS	587843.97	1365878.51

- WATER MAIN NOTES:
1. ALL WATER MAINS SHALL BE AMWA C900 PVC PIPE; DR-18.
 2. ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME II - WATER AND SEWER STANDARDS FOR AMWA C900 PVC WATER PIPE INSTALLATION.
 3. DEFLECTION COUPLINGS SHALL BE CERTAIN-TEED PVC HIGH DEFLECTION COUPLINGS.
 4. ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

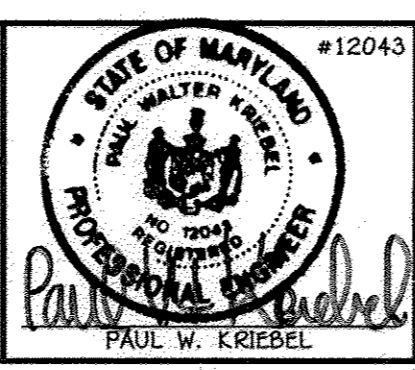
Steve C. Green
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

John J. ...
CHIEF, DEVELOPMENT ENGINEERING DIVISION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 12043 EXPIRATION DATE IS 7/16/12.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL Pk. ELLICOTT CITY, MARYLAND 21042 (410) 481-2995



DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: JUNE, 2012

REVISION: 1/4/12

FILE NAME: WATER & SEWER MAIN EXTENSION PROFILES

WATER & SEWER MAIN EXTENSIONS PROFILES & CHARTS

600' SCALE MAP NO. 24/25 BLOCK NO. 6/1
F.C.C. WORK ORDER NO. 10040

ELLICOTT CROSSING
PART I
LOTS 1 THRU 37 & OPEN SPACE LOTS 38 THRU 41

WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4718-D
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3

CONTRACT NO. 14-4718-D
ELLICOTT CROSSING
PART I
LOTS 1 THRU 37 & OPEN SPACE LOTS 38 THRU 41
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND