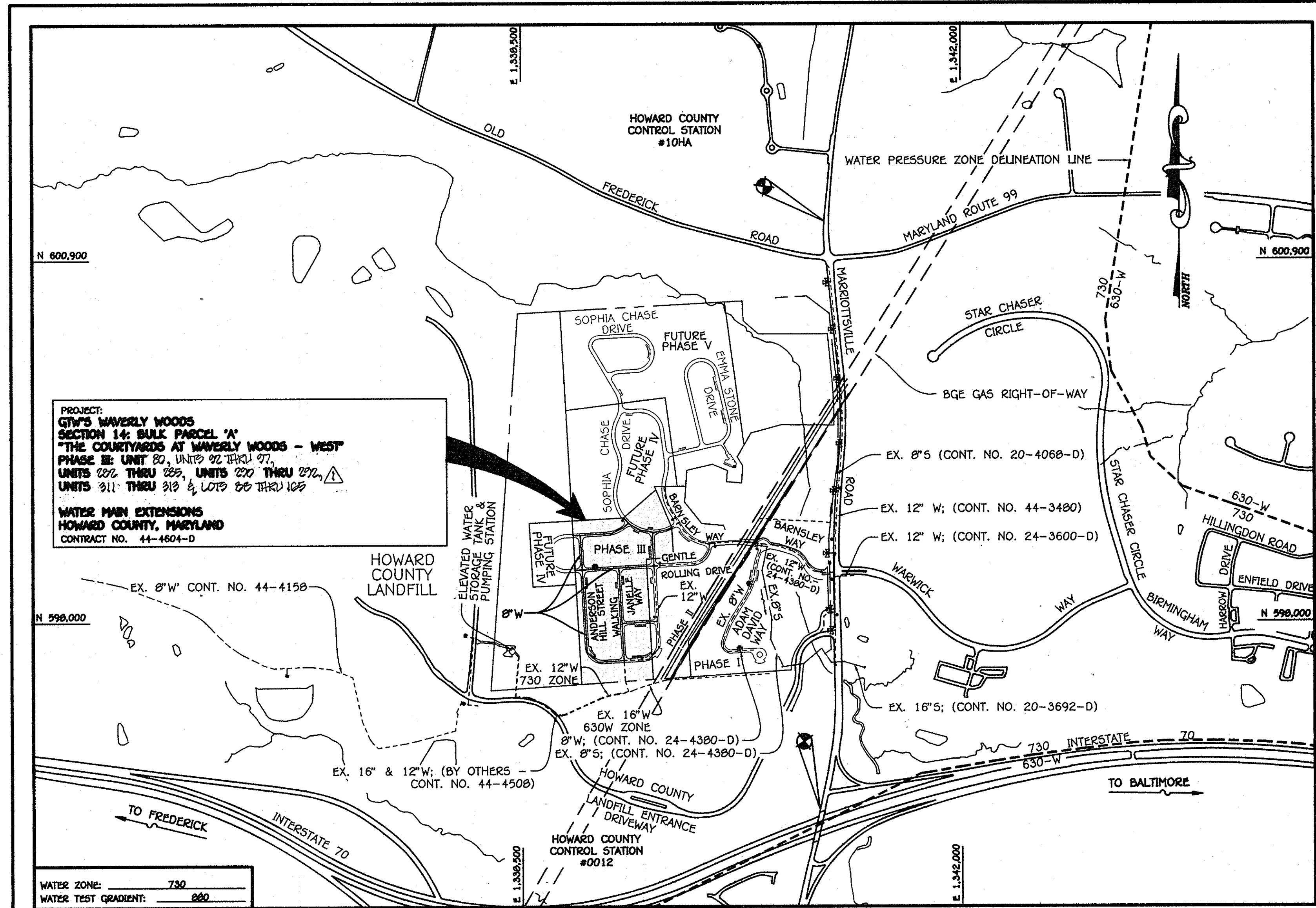


QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		SUPPLIER
		QUANTITIES	TYPE	
8" WATER	3,926 L.F.	3,502 L.F.	C-900	NORTH AMERICAN
6" WATER	106 L.F.	100 L.F.	C-900	NORTH AMERICAN
1-1/2" W.C.	1,628 L.F.	1,759 L.F.	COPPER	HOWELL METAL
8" X 8" CROSS	1 EACH	1 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
8" X 8" TEE	3 EACH	5 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
8" X 6" TEE	5 EACH	5 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
8" VALVE	10 EACH	10 EA	DIP (EPOXY)	KENNEDY
6" VALVE	5 EACH	5 EA	DIP (EPOXY)	KENNEDY
1/8" H.B.	2 EACH	4 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
1/16" H.B.	5 EACH	5 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
1/32" H.B.	2 EACH	2 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
FIRE HYDRANT	5 EACH	5 EA	C 502	KENNEDY
8" PLUG & BUTTRESS	3 EACH	3 EA	DIP (EPOXY)	STAR PIPE PRODUCTS
CONTINUITY TEST SECTION	5 EACH	5 EA		
SMALLER OUTSIDE METER SETTING	01 EACH	52	C-800	FORD METER BOX
LARGE OUTSIDE METER SETTING	17 EACH	26	C-800	FORD METER BOX

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



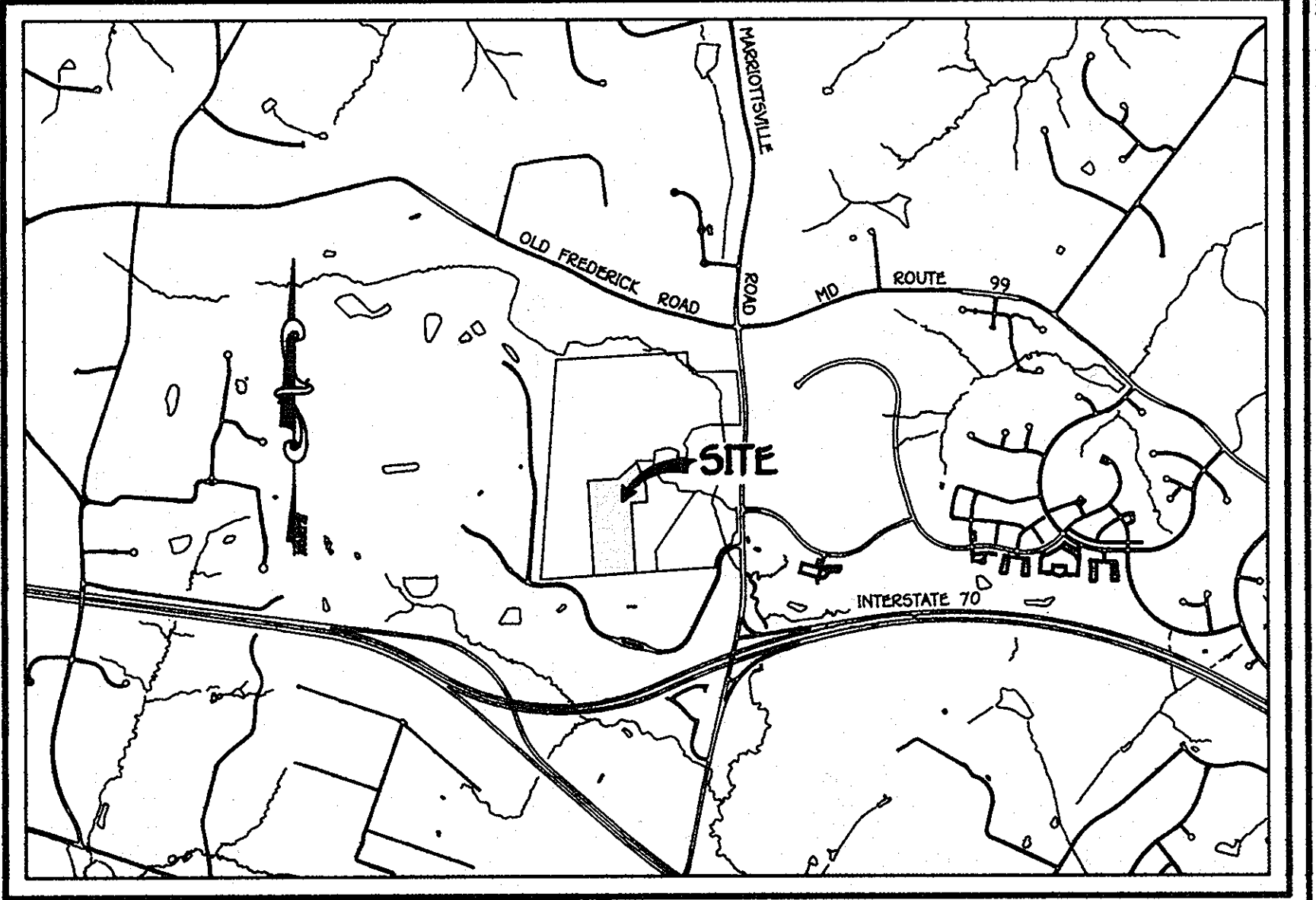
TYPE OF BUILDING:	RESIDENTIAL: SINGLE FAMILY DETACHED & TOWNHOUSE CONDOMINIUMS
NUMBER OF UNITS:	92
NO. OF WATER HOUSE CONNECTIONS:	92
NO. OF SEWER HOUSE CONNECTIONS:	0
SEWER SHED:	LITTLE PATUKENT
TREATMENT PLANT:	LITTLE PATUKENT WATER RECLAMATION PLANT, SAVAGE, MARYLAND

VICINITY MAP  
SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:	
SP-06-013	SP-09-039
SP-06-010	F-09-097
(RECORD PLAT)	

**CONTRACT NO. 44-4604-D**  
**GTW'S WAVERLY WOODS**  
**SECTION 14: BULK PARCEL 'A'**  
**"THE COURTYARDS AT WAVERLY WOODS-WEST"**  
**PHASE III: UNIT 80, UNITS 92 THRU 97,**  
**UNITS 282 THRU 285, UNITS 290 THRU 292,**  
**UNITS 311 THRU 313 & LOTS 88 THRU 165**  
**WATER MAIN EXTENSIONS**  
**HOWARD COUNTY, MARYLAND**

DESIGNED BY:	B.C.R.		
DRAWN BY:	B.C.R.		
CHECKED BY:	P.M.K.		
DATE:	DEC 10, 2009	BY:	NO.



LOCATION 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 JULY, 2005 BY FISHER, COLLINS & CARTER, INC.
  - 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. 101A & NO. 0012.
  - ALL VERTICAL CONTROLS ARE AS INDICATED IN THE BENCH MARK 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 9'-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 DAMAGED 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 (P) 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 (CONSTRUCTION SERVICES) . . . . . 410-850-4620
    - BGE (EMERGENCY) . . . . . 410-869-1400
    - BUREAU OF UTILITIES . . . . . 410-313-4900
    - COLONIAL PIPELINE CO . . . . . 410-709-1390
    - NESS 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**
- EXCEPT FOR THE 12" X 12" TAPPING SLEEVE & VALVE ALL WATER MAINS SHALL BE ANNA C900 PVC PIPE.
  - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-0" 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 RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1009 OF THE STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
  - ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
  - ALL DWELLING UNITS SHALL HAVE A 1/2" WATER HOUSE CONNECTION WITH A 1" OUTSIDE METER SETTING. SEE DETAIL W-9-200 92' W-922.
- 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 SHALL BE 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
  - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATER-TIGHT 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.

**AS BUILT**  
BY: DFI DATE: 12-13-12

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 12/16/09 DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND 12/16/09 DATE	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 10725 BALTIMORE NATIONAL PIKE ELICOTT CITY, MARYLAND 21042 (410) 461-2895	#12043 STATE OF MARYLAND PAUL W. REIDEL	WATER MAIN EXTENSIONS TITLE SHEET 600' SCALE MAP NO. 16 BLOCK NO. 3 & 4 F.C.C. WORK ORDER NO. 30770 FILE NAME: WATER MAIN EXTENSION TITLE SHEET	<b>GTW'S WAVERLY WOODS</b> SECTION 14: BULK PARCEL 'A' "THE COURTYARDS AT WAVERLY WOODS - WEST" PHASE III: UNIT 80, UNITS 92 & 97, UNITS 282 THRU 285, UNITS 290 THRU 292, UNITS 311 THRU 313 & LOTS 88 THRU 165 WATER MAIN EXTENSIONS CONTRACT NO. 44-4604-D THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	CONTRACT NO. 44-4604-D GTW'S WAVERLY WOODS SECTION 14: BULK PARCEL 'A' "THE COURTYARDS AT WAVERLY WOODS - WEST" PHASE III: UNIT 80, UNITS 92 THRU 97, UNITS 282 THRU 285, UNITS 290 THRU 292, UNITS 311 THRU 313 & LOTS 88 THRU 165 WATER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND	DEVELOPER WAVERLY WOODS DEVELOPMENT CORPORATION 5300 DORSEY HALL DRIVE SUITE 102 ELICOTT CITY, MARYLAND 21042 PHONE: 443-567-0482	SCALE AS SHOWN SHEET 1 OF 6
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K:\5054\PROJ\30770 GTW WEST\dwg SITE DEVELOPMENT PLAN\30770 Water Base Plan - Phase 3.dwg, 12/11/2009 9:25:07 AM



PLAN  
SCALE: 1" = 50'

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 2 OF 6 SUPERSEDES THE WATER & SEWER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JANUARY 11, 2010.

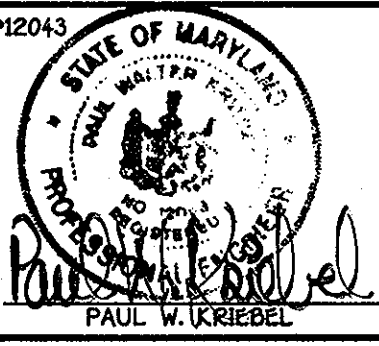
**AS BUILTS**  
DATE: 12-13-12

CONTRACT NO. 44-4604-D  
GTW'S WAVERLY WOODS  
SECTION 14: BULK PARCEL 'A'  
"THE COURTYARDS AT WAVERLY WOODS - WEST"  
PHASE III: UNIT 80, UNITS 92 THRU 97, UNITS 282 THRU 285, UNITS 290 THRU 292, UNITS 311 THRU 313 & LOTS 89-165  
WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
11/16/12  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
11/16/12  
DATE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL FREE  
ELLSWORTH CITY, MARYLAND 21114  
(410) 461-2995

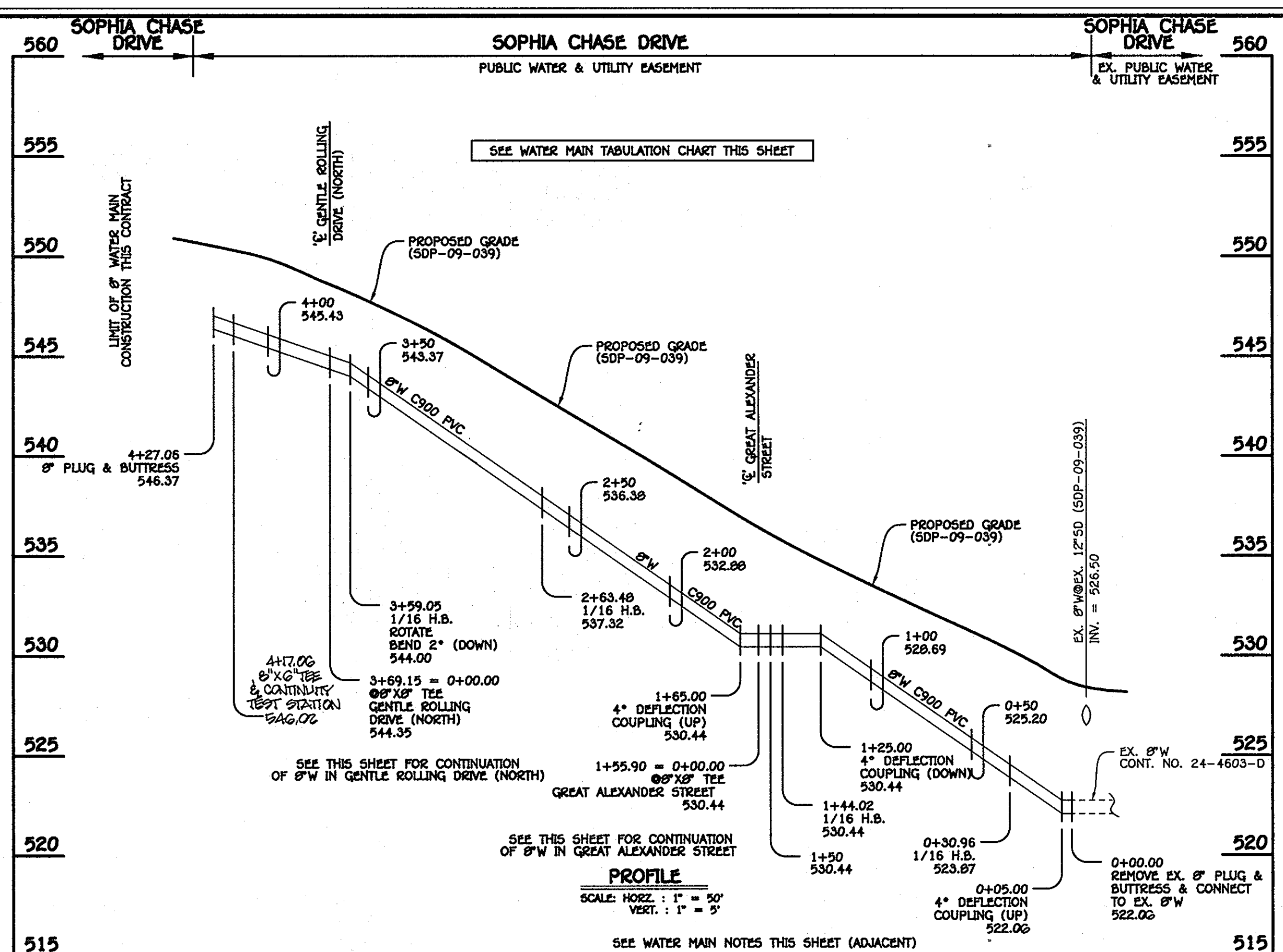


DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: OCTOBER, 2012  
BY NO. REVISION DATE

WATER MAIN EXTENSIONS PLAN  
600' SCALE MAP NO. 16 BLOCK NO. 3 & 4  
F.C.C. WORK ORDER NO. 30770  
FILE NAME: WATER MAIN EXTENSION PLAN

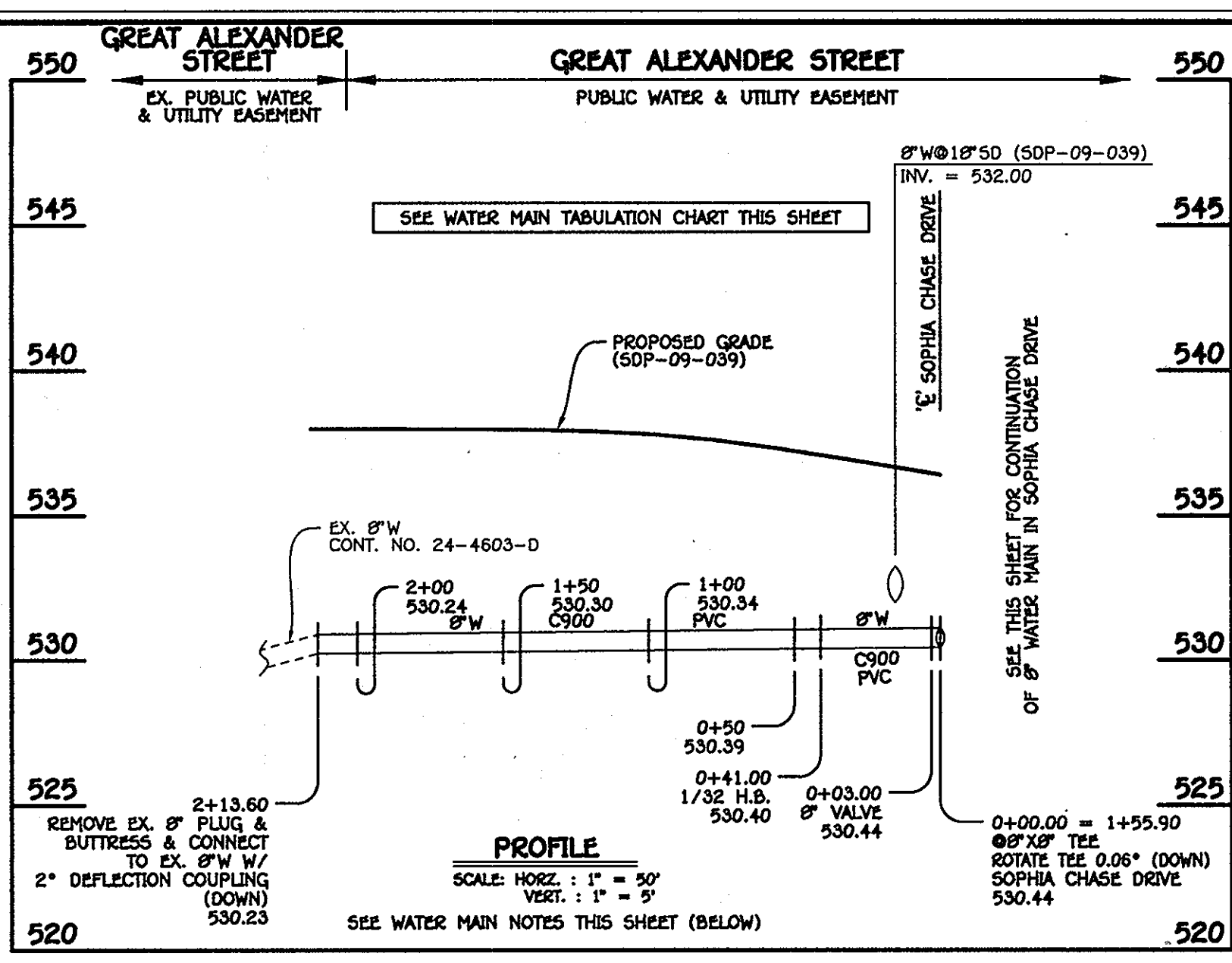
SCALE AS SHOWN  
SHEET 2 OF 6

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**8" WATER MAIN: SOPHIA CHASE DRIVE**

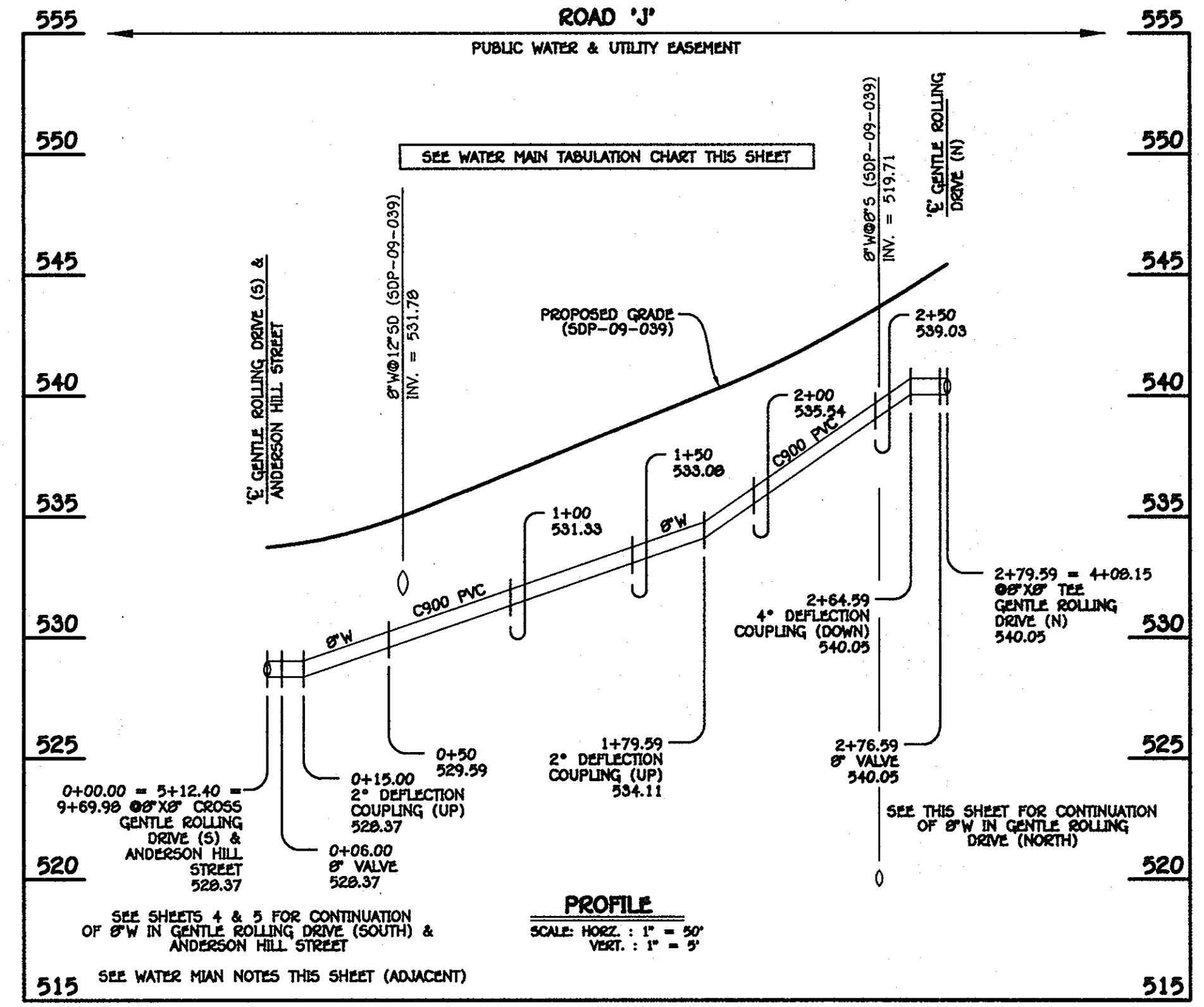
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: SOPHIA CHASE DRIVE			
0+00.00	EX. 8" PLUG & BUTTRISS	598787.48	1339883.36
0+30.96	1/16 H.B.	598770.59	1339897.40
1+44.02	1/16 H.B.	598745.48	1339547.16
1+55.90	8" X 8" TEE	598747.53	1339535.47
2+63.48	1/16 H.B.	598766.18	1339429.52
3+59.05	1/16 H.B.	598812.99	1339346.19
3+69.15	8" X 8" TEE	598820.61	1339339.58
4+17.06	8" X 8" TEE	598856.80	1339308.18
4+27.06	8" PLUG & BUTTRISS	598864.36	1339301.63



**8" WATER MAIN: GREAT ALEXANDER STREET**

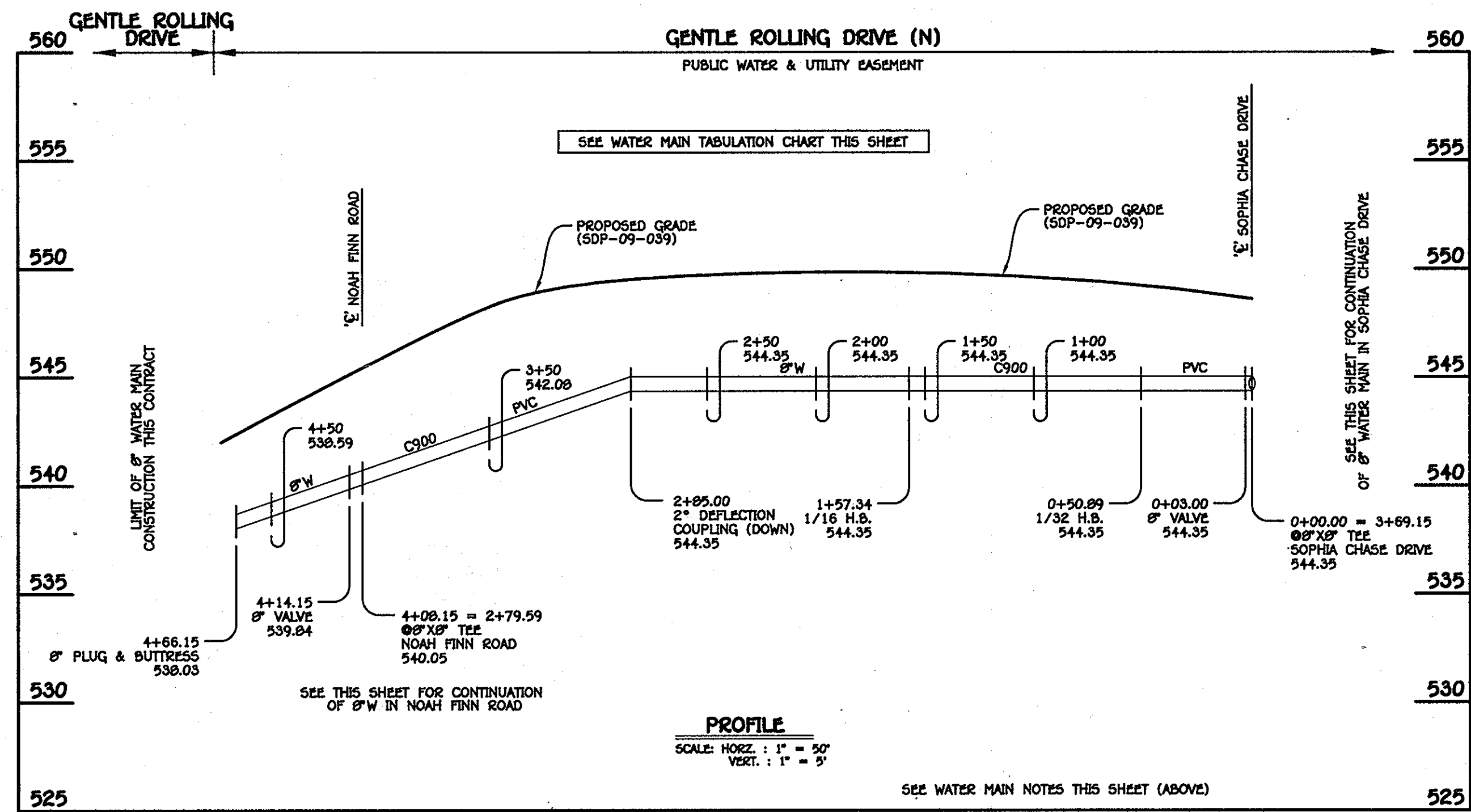
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: GREAT ALEXANDER STREET			
0+00.00	8" X 8" TEE	598747.53	1339535.47
0+03.00	8" VALVE	598744.58	1339534.95
0+41.00	1/32 H.B.	598707.15	1339528.36
2+13.60	8" PLUG & BUTTRISS	598534.81	1339537.89

- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AWMA C900 PVC PIPE.
  2. ALL PIPE BEDDING, TRACES, WIRE, LOCKING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME II - WATER AND SEWER STANDARDS FOR AWMA 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.



**8" WATER MAIN: NOAH FINN ROAD**

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: NOAH FINN ROAD			
0+00.00	8" X 8" CROSS	598445.42	1338971.56
0+06.00	8" VALVE	598451.41	1338971.22
2+76.99	8" VALVE	598721.58	1338956.29
2+79.99	8" X 8" TEE	598724.58	1338956.12



**8" WATER MAIN: GENTLE ROLLING DRIVE (N)**

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: GENTLE ROLLING DRIVE (N)			
0+00.00	8" X 8" TEE	598820.61	1339339.58
0+03.00	8" VALVE	598818.65	1339337.31
0+50.89	1/32 H.B.	598787.26	1339301.14
1+57.34	1/16 H.B.	598738.42	1339206.55
4+08.15	8" X 8" TEE	598724.58	1338956.12
4+14.15	8" VALVE	598724.24	1338950.13
4+66.15	8" PLUG & BUTTRISS	598721.37	1338988.21

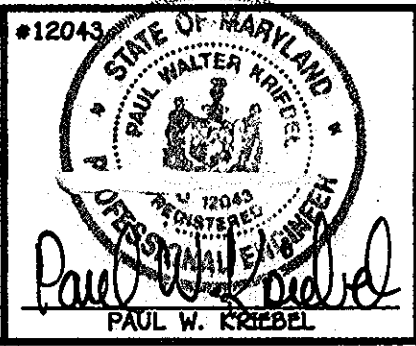
**AS BUILTS**  
BY: DFI DATE: 12-13-12

CONTRACT NO. 44-4604-D  
GTW'S WAVERLY WOODS  
SECTION 14: BULK PARCEL 'A'  
"THE COURTYARDS AT WAVERLY WOODS - WEST"  
PHASE III: UNIT 200, UNITS 201 THRU 207  
UNITS 208 THRU 209, UNITS 210 THRU 202,  
UNITS 211 THRU 213 & LOT 200 THRU 105

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
SILVER CROWN  
DATE: 12/13/12

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
DATE: 12/13/12

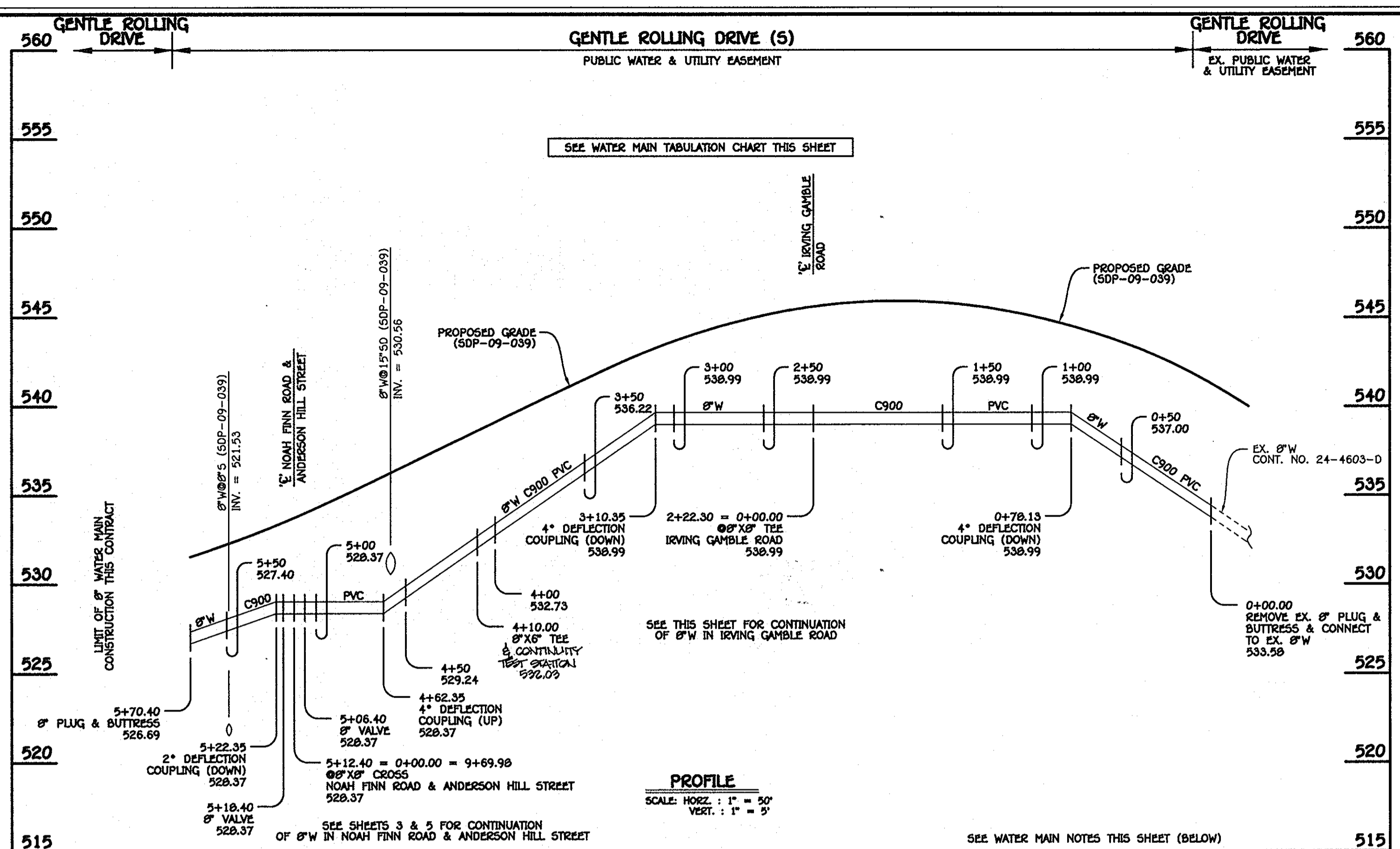
FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SOURCE OFFICE: 10272 BALDWIN NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21042  
410-461-2999



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: DECEMBER, 2009  
REVISION: 10/09/12  
FILE NAME: WATER MAIN EXTENSION PROFILE

WATER MAIN EXTENSIONS  
PROFILES & CHARTS  
600' SCALE MAP NO. 16 BLOCK NO. 3 & 4  
30770

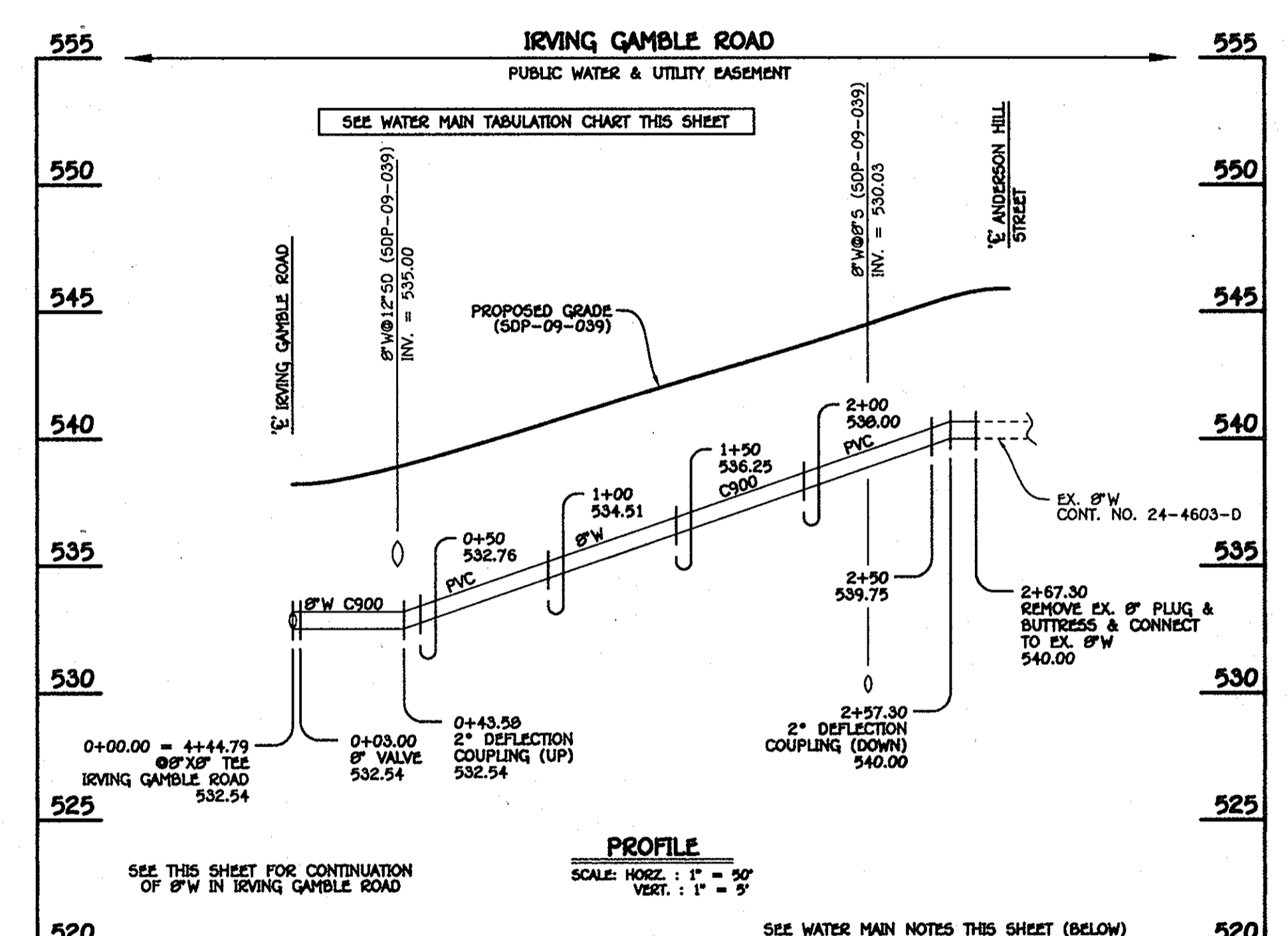
GTW'S WAVERLY WOODS  
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"THE COURTYARDS AT WAVERLY WOODS - WEST"  
PHASE III: UNIT 200, UNITS 201 THRU 207  
UNITS 208 THRU 209, UNITS 210 THRU 202,  
UNITS 211 THRU 213 & LOT 200 THRU 105  
WATER MAIN EXTENSIONS  
CONTRACT NO. 44-4604-D  
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 3 OF 6



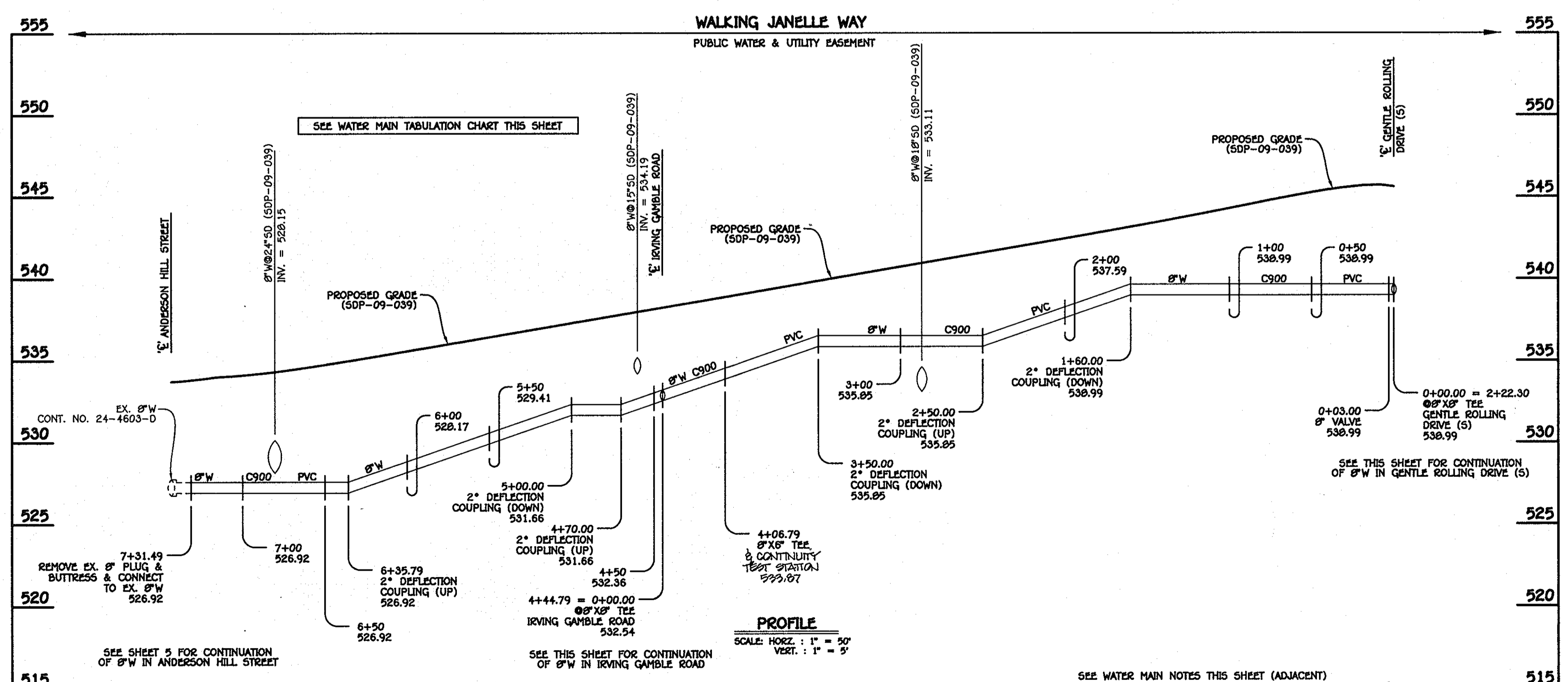
WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: GENTLE ROLLING DRIVE (S)			
0+00.00	EX. 8" PLUG & BUTTRESS	998473.70	1339483.18
2+22.30	8" X 8" TEE	998461.43	1339261.21
4+10.00	8" X 8" TEE	998451.07	1339073.80
5+06.40	8" VALVE	998445.75	1338977.55
5+12.40	8" X 8" CROSS	998445.42	1338971.56
5+18.40	8" VALVE	998445.09	1338965.57
5+70.40	8" PLUG & BUTTRESS	998442.22	1338913.65

**8" WATER MAIN: GENTLE ROLLING DRIVE (S)**

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: IRVING GAMBLE ROAD			
0+00.00	8" X 8" TEE	998017.32	1339285.76
0+03.00	8" VALVE	998017.48	1339286.76
2+67.30	EX. 8" PLUG & BUTTRESS	998032.07	1339952.66



**8" WATER MAIN: IRVING GAMBLE ROAD**



WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: WALKING JANELLE WAY			
0+00.00	8" X 8" TEE	998461.43	1339261.21
0+03.00	8" VALVE	998458.43	1339261.37
4+06.79	8" X 8" TEE	998055.26	1339283.67
4+44.79	8" X 8" TEE	998017.32	1339285.76
7+31.49	EX. 8" PLUG	997731.05	1339301.59

**8" WATER MAIN: WALKING JANELLE WAY**

- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AMWA C900 PVC PIPE.
  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-TIED PVC HIGH DEFLECTION COUPLINGS.
  4. ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.

**AS BUILTS**  
ENR DATE: 12-13-12

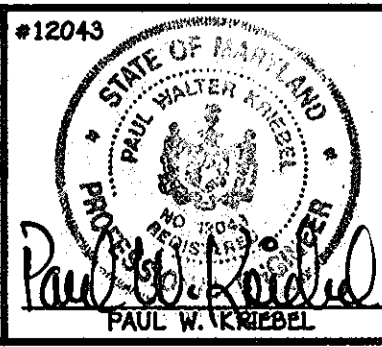
CONTRACT NO. 44-4604-D  
GTW'S WAVERLY WOODS  
SECTION 14: BULK PARCEL 'A'  
THE COURTYARDS AT WAVERLY WOODS - WEST  
PHASE III: UNIT 200, UNITS 202 THRU 207,  
UNITS 208 THRU 209, UNITS 210 THRU 212,  
UNITS 211 THRU 213 & LOTS 200 THRU 209

WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SOURCE OFFICE: P.O. BOX 1072 BALTIMORE, MARYLAND 21202  
(410) 461-2995



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: DECEMBER, 2009

600' SCALE MAP NO. 16 BLOCK NO. 3 & 4  
30770

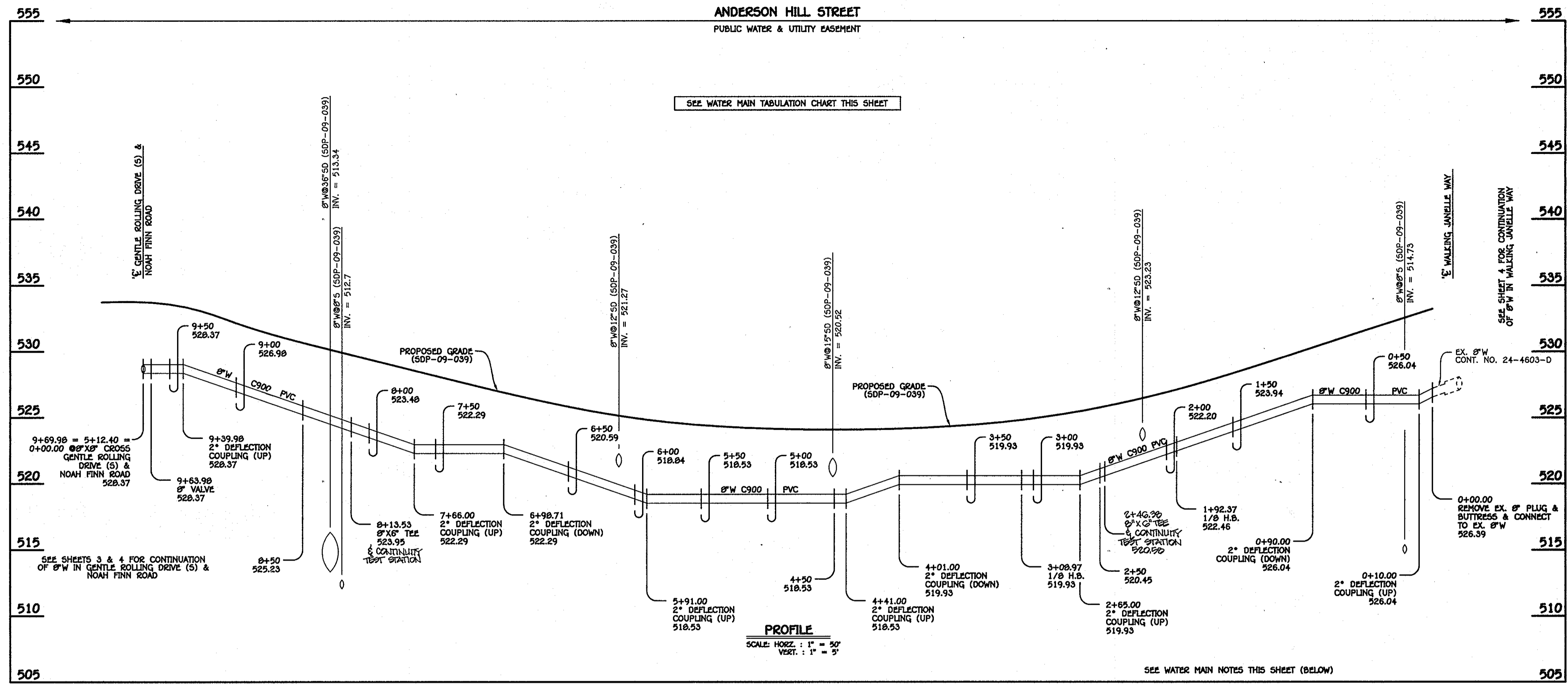
FILE NAME: WATER MAIN EXTENSION PLAN

**WATER MAIN EXTENSIONS  
PROFILES & CHARTS**

**GTW'S WAVERLY WOODS**  
SECTION 14: BULK PARCEL 'A'  
THE COURTYARDS AT WAVERLY WOODS - WEST  
PHASE III: UNIT 200, UNITS 202 THRU 207,  
UNITS 208 THRU 209, UNITS 210 THRU 212,  
UNITS 211 THRU 213 & LOTS 200 THRU 209  
WATER MAIN EXTENSIONS  
CONTRACT NO. 44-4604-D  
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 4 OF 6

K:\505KPROJ\30770 GTW WEST.dwg SITE DEVELOPMENT PLAN\30770 Water Base Plan - Phase 3.dwg, 12/11/2009 8:27:20 AM



**8" WATER MAIN: ANDERSON HILL STREET**

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: ANDERSON HILL STREET			
0+00.00	EX. 8" PLUG & BUTTRESS	597718.23	1339286.97
1+92.37	1/8 H.B.	597707.61	1339094.89
2+46.38	8"X6" TEE	597743.65	1339054.66
3+08.97	1/8 H.B.	597785.41	1339008.04
8+13.53	8"X6" TEE	598289.20	1339980.19
9+63.98	8" VALVE	598439.43	1339971.89
9+69.98	8"X8" CROSS	598445.42	1339971.56

- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE.
  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 AWWA 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.

**AS BUILTS**  
BY: DFI DATE: 12-13-12

CONTRACT NO. 44-4604-D  
GTW'S WAVERLY WOODS  
SECTION 14: BULK PARCEL 'A'  
THE COURTYARDS AT WAVERLY WOODS - WEST  
PHASE III: UNIT 80, UNITS 92 THRU 97  
UNITS 282 THRU 283, UNITS 290 THRU 292,  
UNITS 311 THRU 313 & LOTS 80 THRU 103  
WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELICOTT CITY, MARYLAND 21042  
(410) 461-2222

#12043  
STATE OF MARYLAND  
PRUL W. KRIEDEL  
CHIEF ENGINEER

DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: DEC 10, 2009  
BY: NO. 10/20/12  
REVISION

**WATER MAIN EXTENSIONS  
PROFILE & CHART**

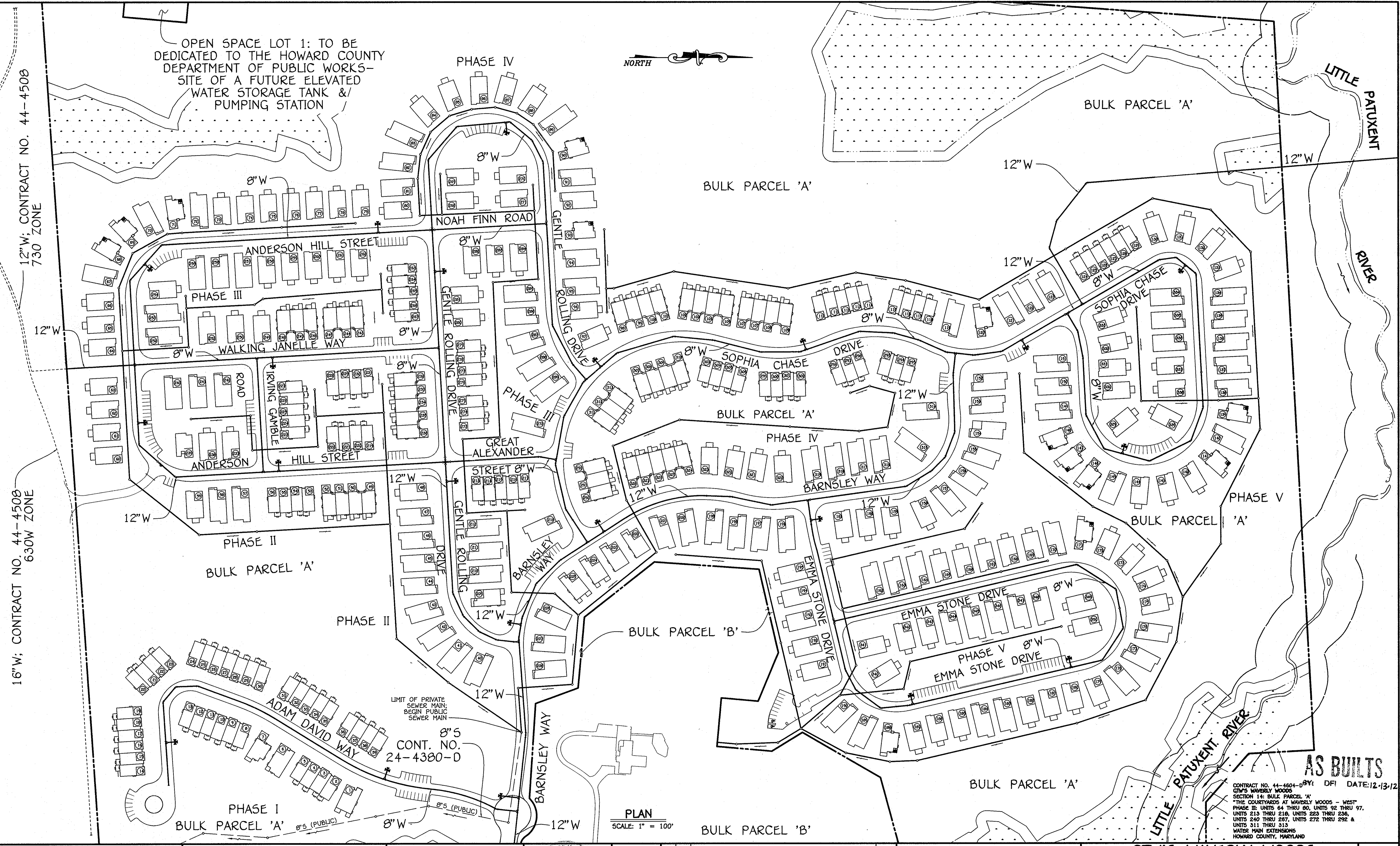
600' SCALE MAP NO. 16 BLOCK NO. 3 & 4  
30770  
FILE NAME: WATER MAIN EXTENSION PLAN

**GTW'S WAVERLY WOODS**  
SECTION 14: BULK PARCEL 'A'  
THE COURTYARDS AT WAVERLY WOODS - WEST  
PHASE III: UNIT 80, UNITS 92 THRU 97,  
UNITS 282 THRU 283, UNITS 290 THRU 292,  
UNITS 311 THRU 313 & LOTS 80 THRU 103  
WATER MAIN EXTENSIONS  
CONTRACT NO. 44-4604-D  
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 5 OF 6

K:\505K\PROJ\_30770 GTW WEST.dwg SITE DEVELOPMENT PLAN\30770 Water Base Plan - Phase 3.dwg, 12/11/2009 8:30:23 AM

OPEN SPACE LOT 1: TO BE DEDICATED TO THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS- SITE OF A FUTURE ELEVATED WATER STORAGE TANK & PUMPING STATION



12" W; CONTRACT NO. 44-4508  
730' ZONE

16" W; CONTRACT NO. 44-4508  
630' W ZONE

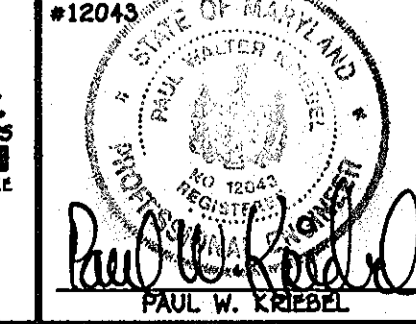
PLAN  
SCALE: 1" = 100'

AS BUILTS  
CONTRACT NO. 44-4604-D BY: DF DATE: 12-13-12  
GTW'S WAVERLY WOODS  
SECTION 14: BULK PARCEL 'A'  
"THE COURTYARDS AT WAVERLY WOODS - WEST"  
PHASE III: UNITS 64 THRU 80, UNITS 92 THRU 97,  
UNITS 213 THRU 218, UNITS 223 THRU 236,  
UNITS 240 THRU 267, UNITS 272 THRU 292 &  
UNITS 311 THRU 313  
WATER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
12/16/09  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
1/10/10  
DATE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SOURCE OFFICE PARK - 10272 BALTIMORE NATIONAL FLD.  
ELICOTT CITY, MARYLAND 21042  
(410) 441-2222



DESIGNED BY:	B.C.R.				
DRAWN BY:	B.C.R.				
CHECKED BY:	P.W.K.				
DATE:	DECEMBER, 2009	BY NO.		REVISION	

WATER MAIN EXTENSIONS  
OVERVIEW  
600' SCALE MAP NO. 16 BLOCK NO. 3 & 4  
F.C.C. WORK ORDER NO. 30770  
FILE NAME: WATER MAIN EXTENSION PHASING

GTW'S WAVERLY WOODS  
SECTION 14: BULK PARCEL 'A'  
"THE COURTYARDS AT WAVERLY WOODS - WEST"  
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WATER MAIN EXTENSIONS  
CONTRACT NO. 44-4604-D  
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE  
AS SHOWN  
SHEET  
6 OF 6

K:\5054PROJ\30770 GTW WEST.dwg SITE DEVELOPMENT PLAN\30770 Water Phasing Plan.dwg, 12/11/2009 9:31:48 AM

