

QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	AS-BUILT	SUPPLIER
8" PVC	1,207 L.F.	1,258 L.F.	SDR 35 3/4	L.B. WATER
4" PVC	1,362 L.F.	1,362 L.F.	SDR 35 3/4	L.B. WATER
MANHOLE	7 EACH	6EA.	PRE-CAST	
CLEAN-OUT	1 EACH	1EA.	PLASTIC	L.B. WATER
8" x 6" PVC DR-10	2,229 L.F.	2,235 L.F.	NORTH AMERICAN	L.B. WATER
6" x 6" PVC DR-10	460 L.F.	460 L.F.	NORTH AMERICAN	L.B. WATER
8" x 6" REDUCER	1 EACH	1EA.	TYLER UNION	L.B. WATER
1-1/2" WHC	1,108 L.F.	1,108 L.F.	TYLER UNION	L.B. WATER
8" MANHOLE	1 EACH	1EA.	TYLER UNION	L.B. WATER
1/16" H.B.	3 EACH	3EA.	TYLER UNION	L.B. WATER
8" x 8" TEE	6 EACH	6EA.	TYLER UNION	L.B. WATER
8" x 6" TEE	7 EACH	7EA.	TYLER UNION	L.B. WATER
8" VALVE	13 EACH	13EA.	AMERICAN F/C	L.B. WATER
6" VALVE	7 EACH	7EA.	AMERICAN F/C	L.B. WATER
FIRE HYDRANT	5 EACH	5EA.	AMERICAN F/C	L.B. WATER
CONTINUITY TEST STATION	5 EACH	5EA.	PRISM P/CAST	L.B. WATER
8" PLUG & BUTTRESS	8 EACH	8EA.	TYLER UNION	L.B. WATER
6" PLUG & BUTTRESS	1 EACH	1EA.	TYLER UNION	L.B. WATER
SINGLE 1" OUTSIDE METER SETTING	16 EACH	16 EA.	FORD M/B	L.B. WATER
TWIN 1" OUTSIDE METER SETTING	51 EACH	51 EA.	FORD M/B	L.B. WATER

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

**BENCHMARK INFORMATION**

B.M.#1 - HOWARD COUNTY CONTROL STATION #38GA - HORIZONTAL - (NAD '83)  
(LOCATED ALONG RAILROAD AVENUE, JUST SOUTH OF RYAN AVENUE, APPROX. 22.6' NORTH FROM THE CENTER LINE OF RAILROAD AVENUE.)  
N 595,297.3373  
E 1,390,132.0933  
ELEVATION = 80.783 - VERTICAL - (NAVD '88)

B.M.#2 - HOWARD COUNTY CONTROL STATION #43CB - HORIZONTAL - (NAD '83)  
(LOCATED ALONG THE SOUTHWEST CORNER OF DORSEY ROAD, APPROX. 2.2' OFF THE EDGE OF PAVING, APPROX. 46.7' EAST OF POWER POLE NO. 19)  
N 595,094,2466  
E 1,382,282,4190  
ELEVATION = 144.391 - VERTICAL - (NAVD '88)

**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 EROSION AND SEDIMENT 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. Kriebel; FOR:  
PRESTON-SCHIEFFENACKER PROPERTIES 12/17/13  
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. Kriebel; FOR:  
PRESTON-SCHIEFFENACKER PROPERTIES 12-17-13  
SIGNATURE OF ENGINEER DATE

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 SITE DEVELOPMENT PLAN, SDP-13-068.

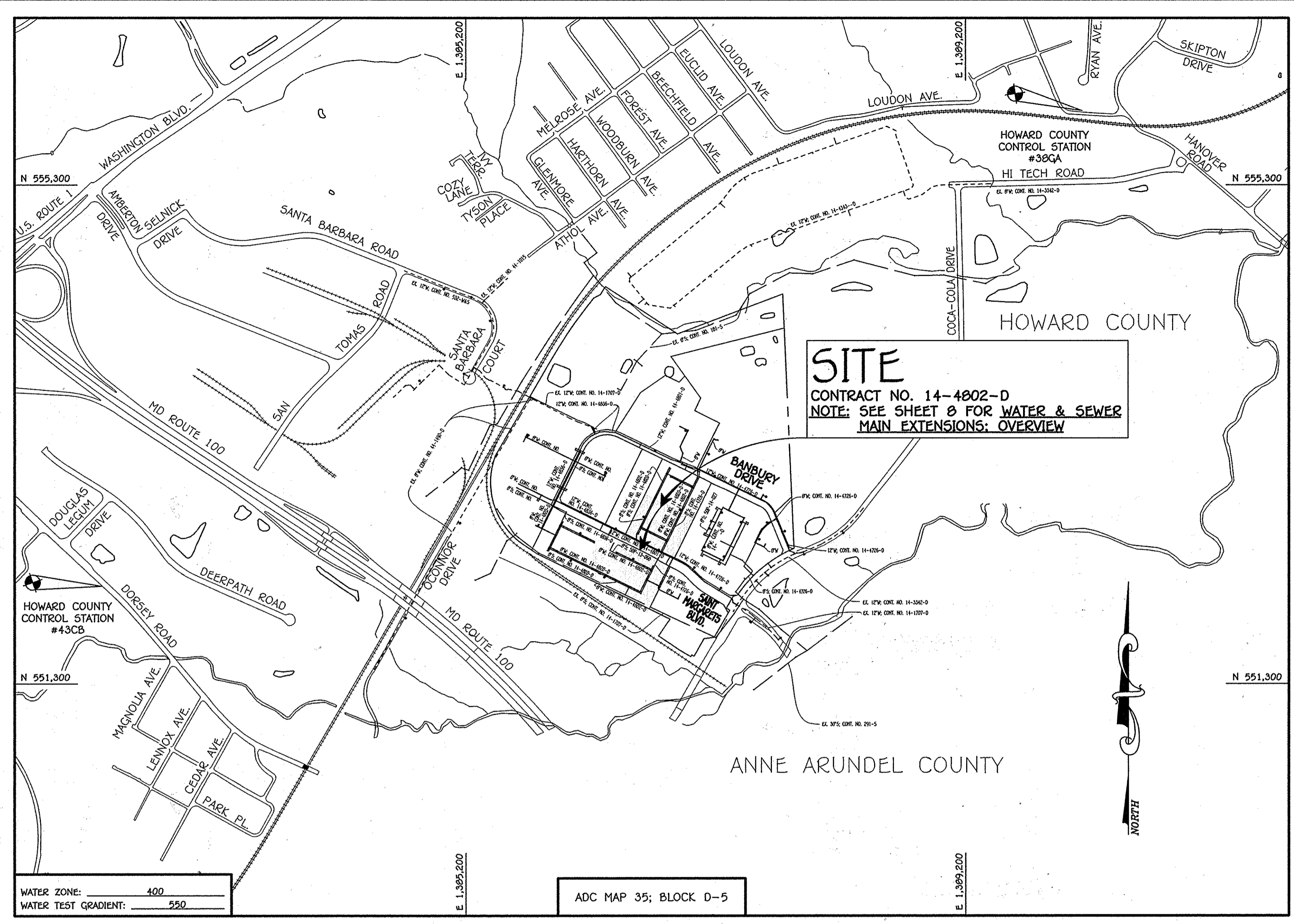
Paul W. Kriebel; FOR:  
PRESTON-SCHIEFFENACKER PROPERTIES 12-17-13  
SIGNATURE OF DEVELOPER DATE

SDP-13-068

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

APPROVED:  
Howard Soil Conservation District 12/17/14  
DATE

LEGEND	
SYMBOL	DESCRIPTION
---	EX. WATER MAIN
---	EX. SEWER MAIN
○	EX. SEWER MANHOLE
---	EX. WATER, SEWER & UTILITY EASEMENT
○	EX. FIRE HYDRANT
○	EX. VALVE
---	PROP. WATER MAIN
---	PROP. SEWER MAIN
○	PROP. SEWER MANHOLE
---	PROP. WATER, SEWER & UTILITY EASEMENT
○	PROP. WHC
○	PROP. SHC
○	PROP. FIRE HYDRANT
○	PROP. VALVE



TYPE OF BUILDING:	RESIDENTIAL TOWNHOUSES
NUMBER OF PARCELS:	2
NUMBER OF BUILDABLE LOTS:	119 (18 FUTURE)
NUMBER OF OPEN SPACE LOTS:	13
NO. OF WATER HOUSE CONNECTIONS:	118
NO. OF SEWER HOUSE CONNECTIONS:	73
SEWER SHED:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT CITY OF BALTIMORE

**LOCATION MAP**

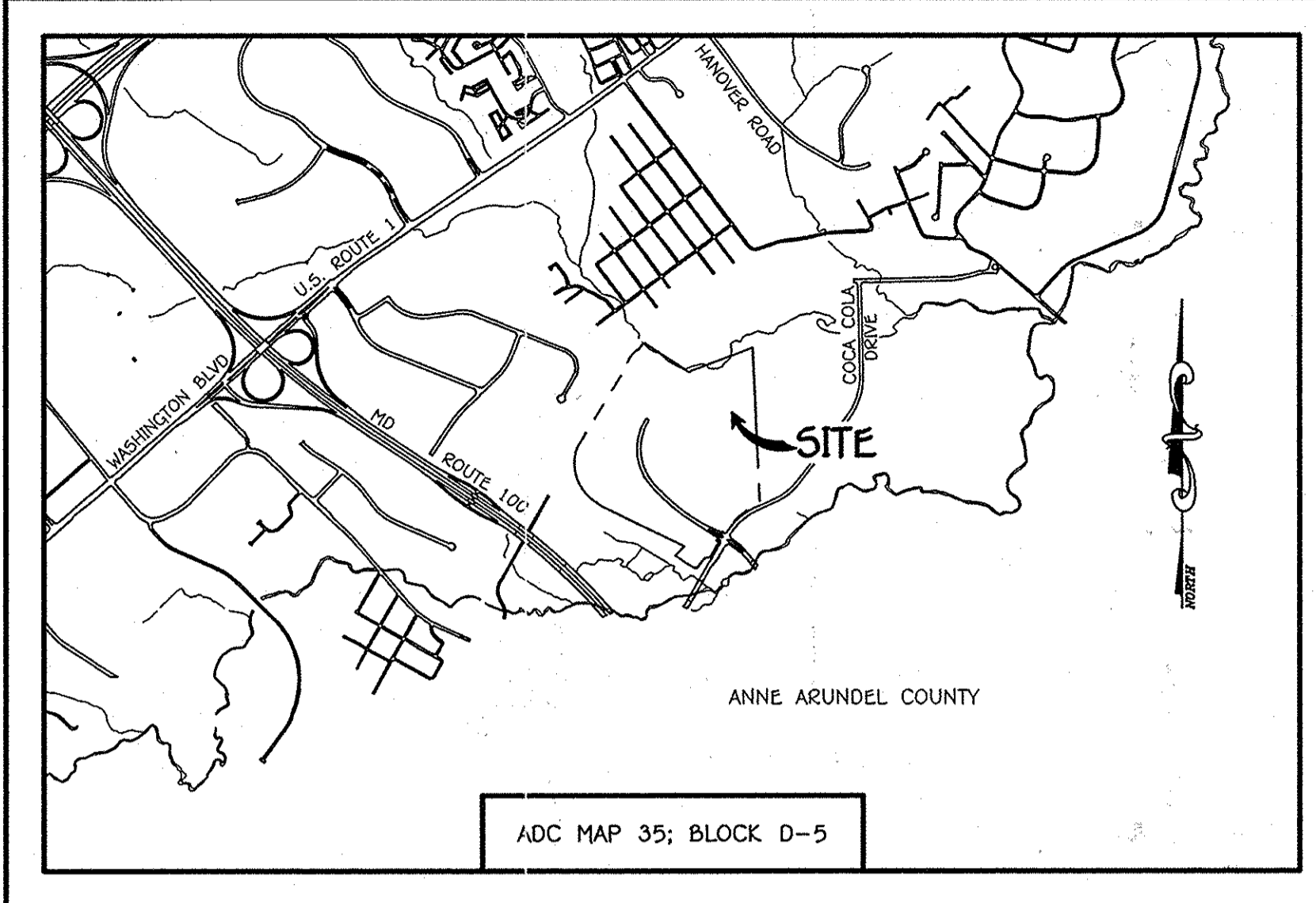
SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:  
F-13-108 (RECORDED PLAN)  
SDP-13-068

**CONTRACT NO. 14-4802-D**  
**OXFORD SQUARE**  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 &  
PARCELS 'N' & 'O'  
**WATER & SEWER MAIN EXTENSIONS**  
HOWARD COUNTY, MARYLAND

**OWNER**  
KELLOGG-COP, LLC  
c/o DAVID P. SCHEFFENACKER, JR.  
MANAGING MEMBER  
2330 WEST JOPPA ROAD, SUITE 190  
LUTHERVILLE, MARYLAND 21093-4614  
PHONE - 410-296-3800

**DEVELOPER**  
PRESTON SCHEFFENACKER PROPERTIES  
2330 WEST JOPPA ROAD, SUITE 190  
LUTHERVILLE, MARYLAND 21093-4614  
PHONE - 410-296-3800



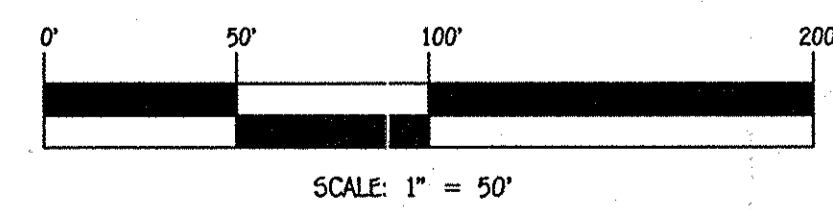
**GENERAL NOTES VICINITY MAP**

- SCALE: 1" = 2000'
- 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 MAY, 2010 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. 38GA & NO. 43CB. ALL VERTICAL CONTROLS ARE BASED ON NAVD '88 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 CONTRACTED 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 'X' 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)	410-695-0125
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-795-1390
MESSE 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 TREE 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/DRILLING OF ANY COUNTY ROAD FOR LIVING 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'-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 INSTALLED IN ACCORDANCE WITH 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 MAINTAIN 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 HANGERS. 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.
  - PROPER ASSEMBLY OF GASKETED PVC PIPE JOINTS: THE MANUFACTURER'S INSERTION LINE OF GASKETED PVC PIPE JOINTS INDICATES THE MAXIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. AFTER ASSEMBLY OF THE JOINT, THE INSERTION LINE SHALL REMAIN VISIBLE. DUAL INSERTION LINES ON GASKETED PVC PIPE INDICATE THE MAXIMUM AND MINIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. THE CONTRACTOR SHALL NOT OVER INSERT OR OVER HOME THE SPIGOT INTO THE BELL OF PVC PIPE.
  - ALL CHANGES IN HORIZONTAL OR VERTICAL DIRECTION OF PVC WATER PIPE SHALL BE MADE WITH STANDARD BENDS, 5-DEGREE SWEEPS OR HIGH DEFLECTION COUPLINGS. NO BENDING OF THE PIPE OR DEFLECTING OF PVC PIPE JOINTS IS PERMITTED, UNLESS HIGH DEFLECTION COUPLINGS OR 5-DEGREE SWEEPS ARE PERMITTED. THE CONTRACTOR SHALL PROVIDE ONE FULL PIPE LENGTH (20 FOOT LONG) ON EITHER SIDE OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP, TAKING CARE NOT TO USE COMPACTION EQUIPMENT DIRECTLY OVER THE FITTING.
  - PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL OF 3-DEGREES (1 1/2-DEGREE ON EITHER END OF THE COUPLING). SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF AWWA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTAINTED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.
  - 5-DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR-18 MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (FIS) BLUE BELLE DR-18 OR EQUAL.
  - WHEN PVC HIGH DEFLECTION COUPLINGS OR PVC 5-DEGREE SWEEPS ARE USED TO FACILITATE CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENTS OF AWWA C900 PVC PIPELINES, THE CONTRACTOR SHALL INSERT DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAIN ENDS INTO THE PUSH ON BELL JOINT ON BOTH SIDES OF THE HIGH DEFLECTION COUPLINGS AND 5-DEGREE SWEEPS. BELL STOPS SHALL BE PLACED AT THE PROPER INSERTION LINE FOR THE FITTING. THE BELL STOP SHALL BE MANUFACTURED OF DUCTILE IRON AND INSURE AN EXPANSION RESTRICTION STRIP TO ALLOW SPACE FOR THERMAL EXPANSION. CONTRACTOR THE BELL STOPS SHALL BE SERIES 5000 MEGA-STOP, AS MANUFACTURED BY EBAA IRON, INC. OR APPROVAE EQUAL.
  - TO ACCOMMODATE A SPRINKLER SYSTEM, ALL RESIDENTIAL DWELLING UNITS SHALL HAVE A 1-1/2" WATER HOUSE CONNECTION WITH A 1" OUTSIDE METER SETTING, STD. DET. 1-3-28.

- 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 WATER-TIGHT FRAME AND COVER, STANDARD DETAIL G5.92. WHERE WATER-TIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  - HOUSES (S) WITH THE SYMBOL "CLS" INDICATES THAT CELLAR CANNOT BE SERVED.



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

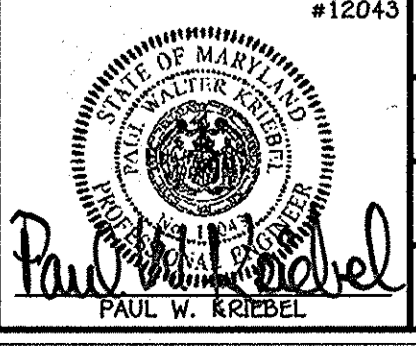
Chief, Bureau of Utilities  
12/20/13  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

Chief, Development Engineering Division  
1-24-14  
DATE

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED AND 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 IS 7/16/16.

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10772 BALDOWNE NATIONAL PARK  
ELLIOTT CITY, MARYLAND 21042  
(410) 461 - 2995



DESIGNED BY:	B.C.R.	DATE:	
DRAWN BY:	B.C.R.	DATE:	
CHECKED BY:	P.W.K.	DATE:	4/17/15
DATE:	DECEMBER, 2013	BY:	NO.

**WATER & SEWER MAIN EXTENSIONS TITLE SHEET**

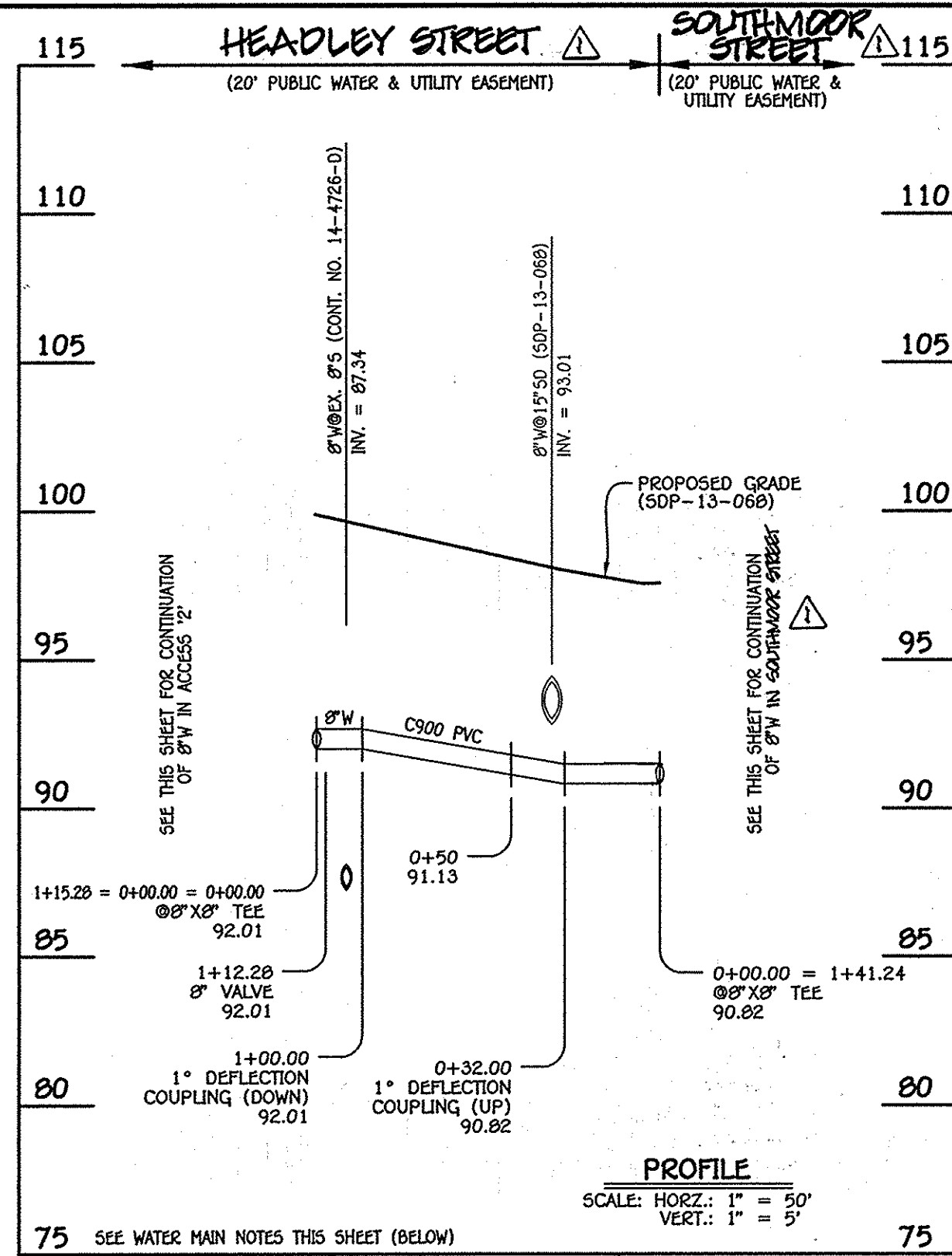
600' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
F.C.C. WORK ORDER NO. 09014-3003

FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

**OXFORD SQUARE**  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 &  
PARCELS 'N' & 'O'  
**WATER & SEWER MAIN EXTENSIONS**  
CONTRACT NO. 14-4802-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

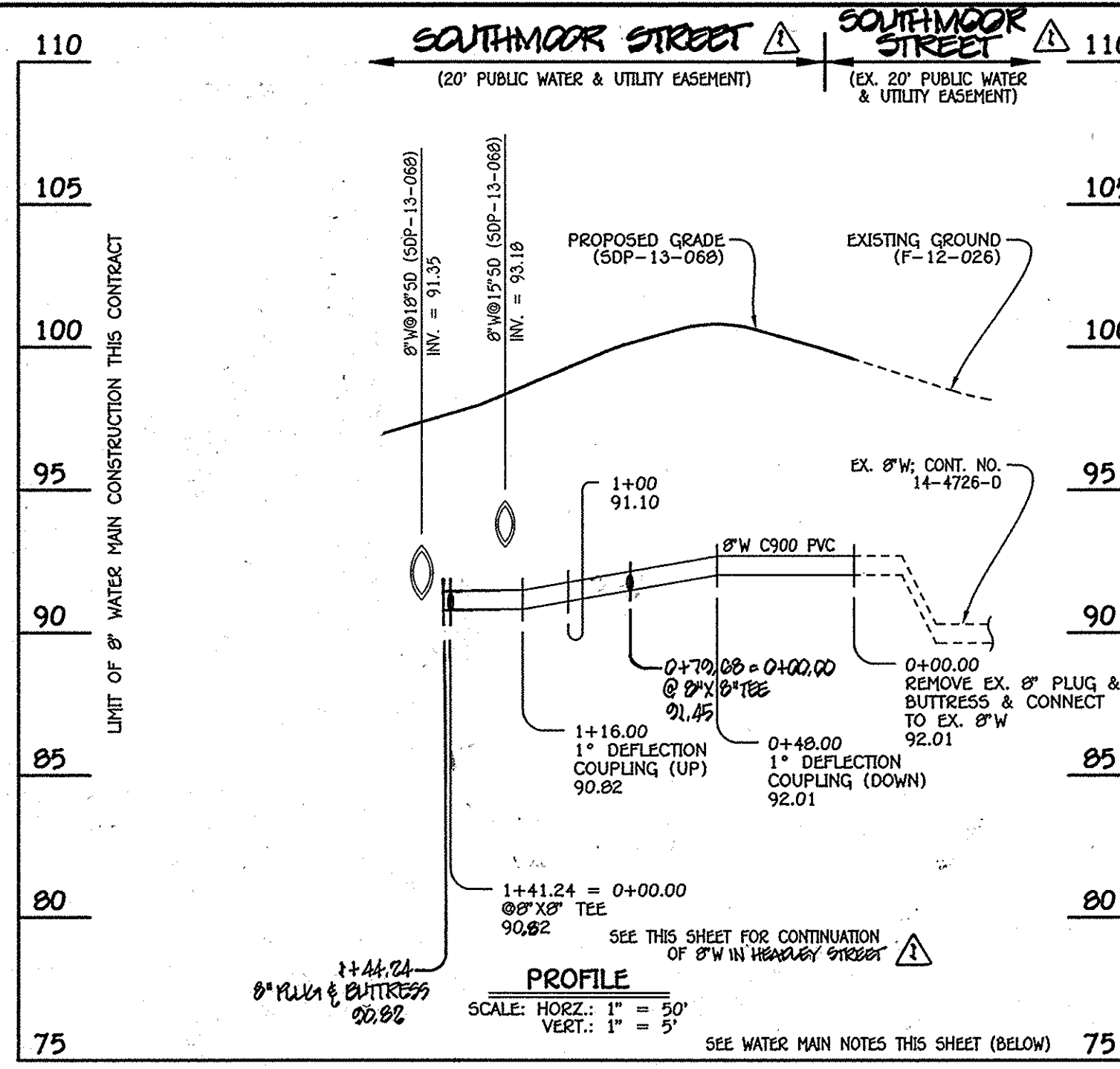
SCALE AS SHOWN  
SHEET 1 OF 8





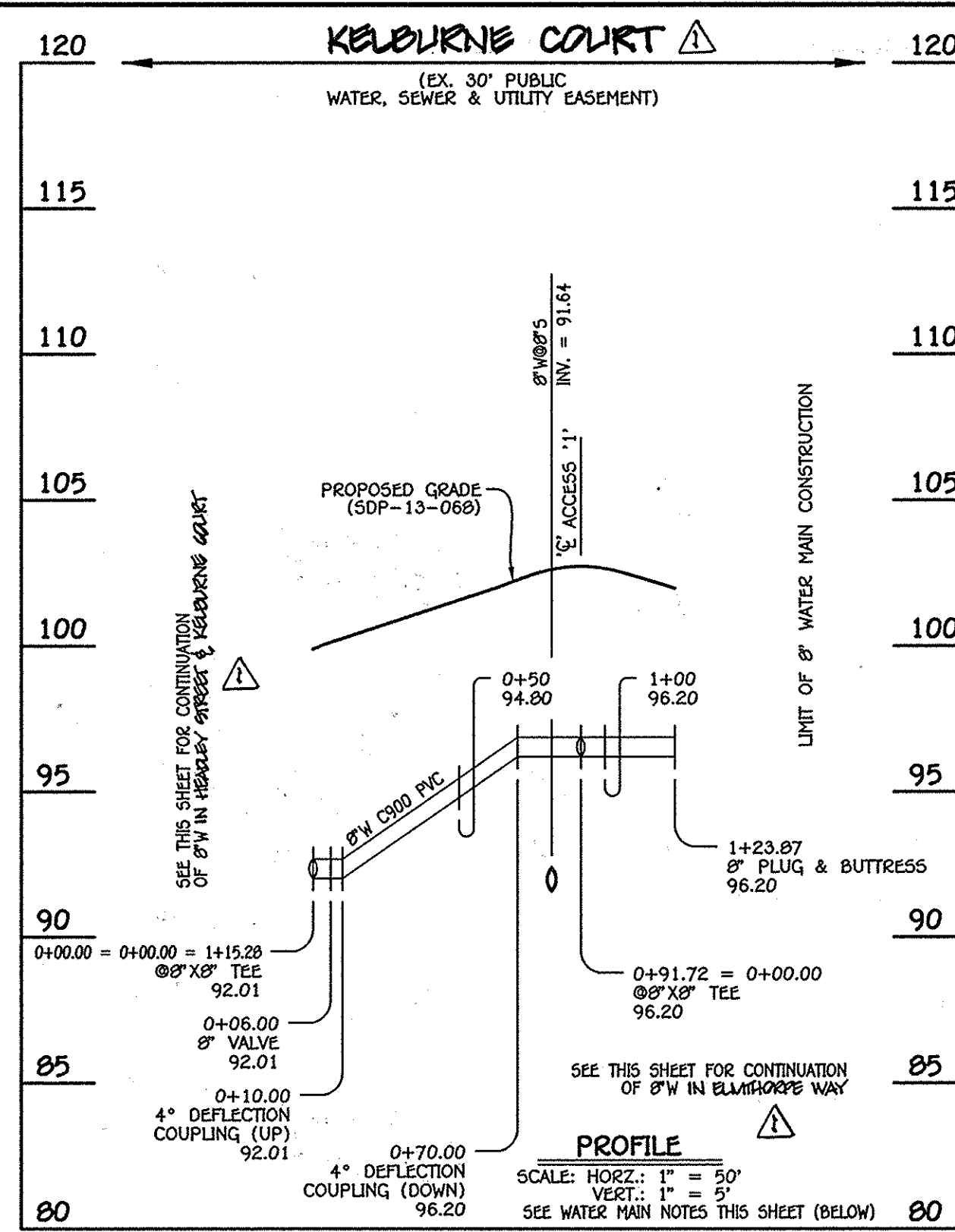
8" WATER MAIN: HEADLEY STREET

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: HEADLEY STREET			
0+00.00	8" X 8" TEE	552083.18	1386747.44
1+12.28	8" VALVE	552132.86	1386646.75
1+15.28	8" X 8" TEE	552134.19	1386644.06



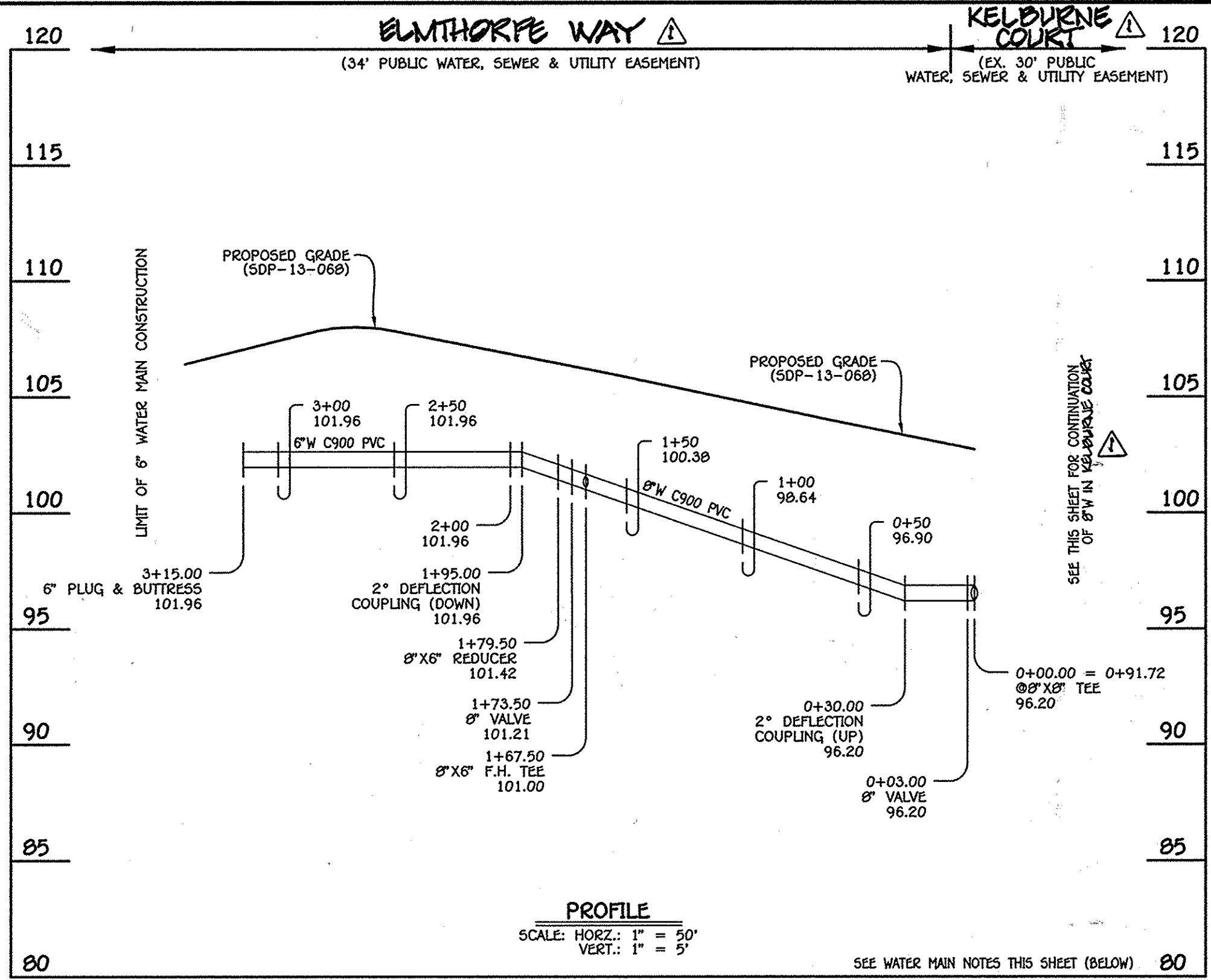
8" WATER MAIN: SOUTHMOOR STREET

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: SOUTHMOOR STREET			
0+00.00	EX. 8" PLUG & BUTTRESS	552209.82	1386809.98
1+41.24	8" X 8" TEE	552083.18	1386747.44
0+79.88	8" X 8" TEE	552198.38	1386774.70
1+41.24	8" PLUG & BUTTRESS	552080.49	1386740.12



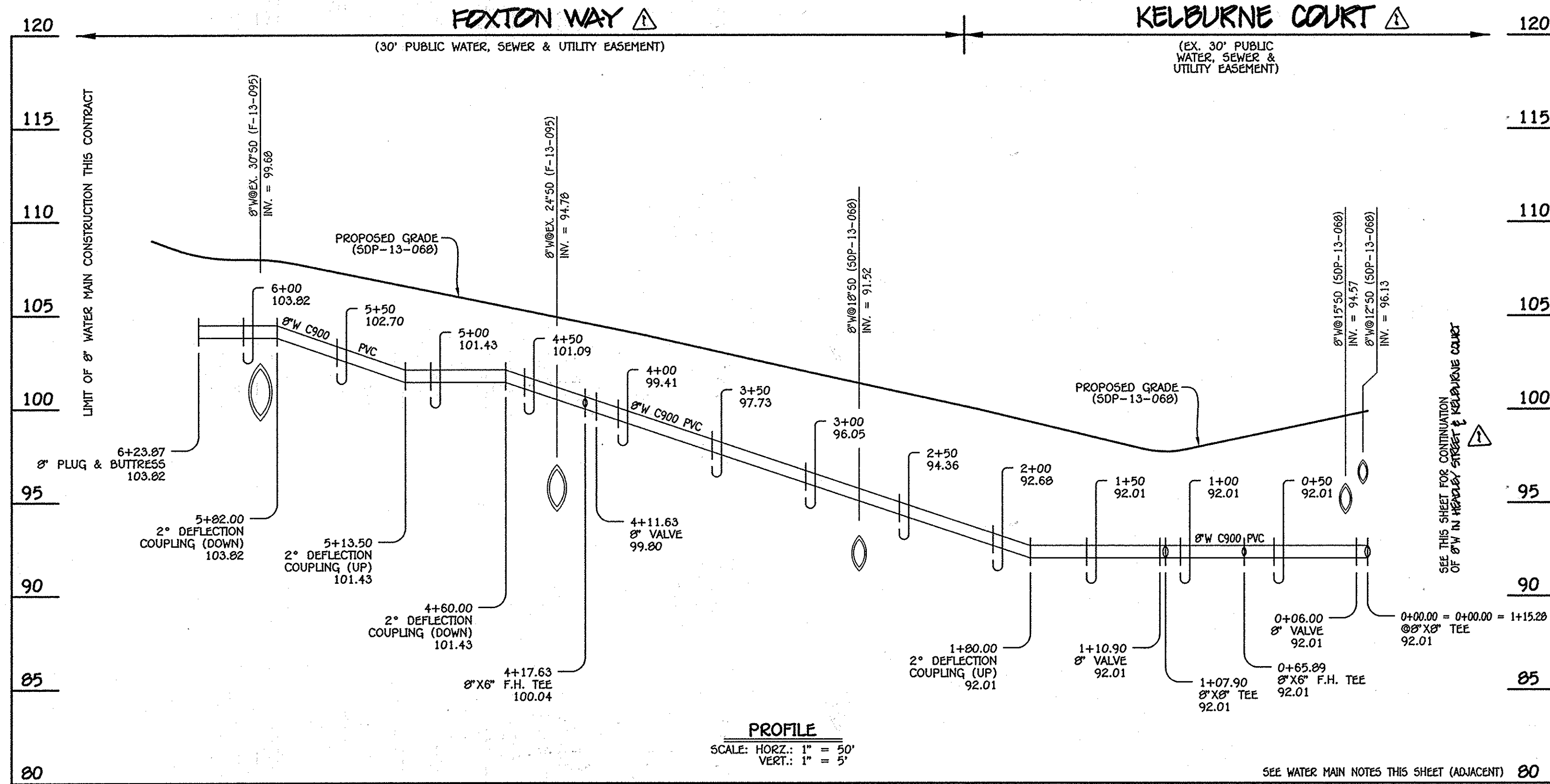
8" WATER MAIN: KELBURNE COURT

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: KELBURNE COURT			
0+00.00	8" X 8" TEE	552134.18	1386644.06
0+06.00	8" VALVE	552139.57	1386646.71
0+91.72	8" X 8" TEE	552216.44	1386684.65
1+23.87	8" PLUG & BUTTRESS	552245.27	1386698.87



8" & 6" WATER MAIN: ELMTHORPE WAY

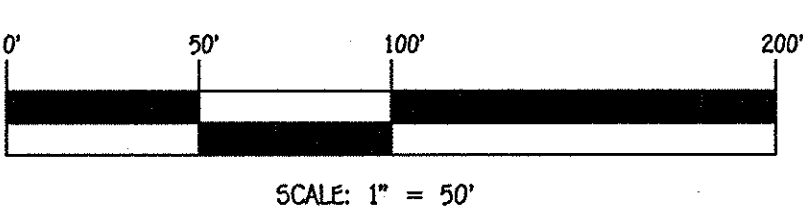
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" & 6" WATER MAIN: ELMTHORPE WAY			
0+00.00	8" X 8" TEE	552216.44	1386684.65
0+03.00	8" VALVE	552217.77	1386681.95
1+67.50	8" X 6" F.H. TEE	552290.57	1386534.44
1+73.50	8" VALVE	552293.23	1386529.06
1+79.50	8" X 6" REDUCER	552295.88	1386523.68
3+15.00	6" PLUG & BUTTRESS	552355.85	1386402.18



8" WATER MAIN: FOXTON WAY

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: FOXTON WAY			
0+00.00	8" X 8" TEE	552134.19	1386644.06
0+06.00	8" VALVE	552128.81	1386641.41
0+65.89	8" X 6" F.H. TEE	552075.10	1386614.91
1+07.90	8" X 8" TEE	552037.42	1386596.32
1+10.90	8" VALVE	552038.75	1386593.63
4+11.63	8" VALVE	552171.82	1386323.94
4+17.63	8" X 8" F.H. TEE	552174.47	1386318.56
6+23.87	8" PLUG & BUTTRESS	552265.73	1386133.60

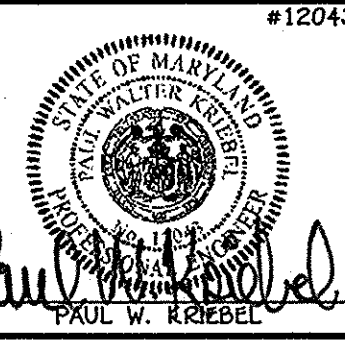
- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE, DR-18.
  2. ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV - WATER AND SEWER STANDARDS FOR AWWA C900 PVC WATER PIPE INSTALLATION.
  3. DEFLECTION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



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
12/20/13  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
1.24.14  
DATE

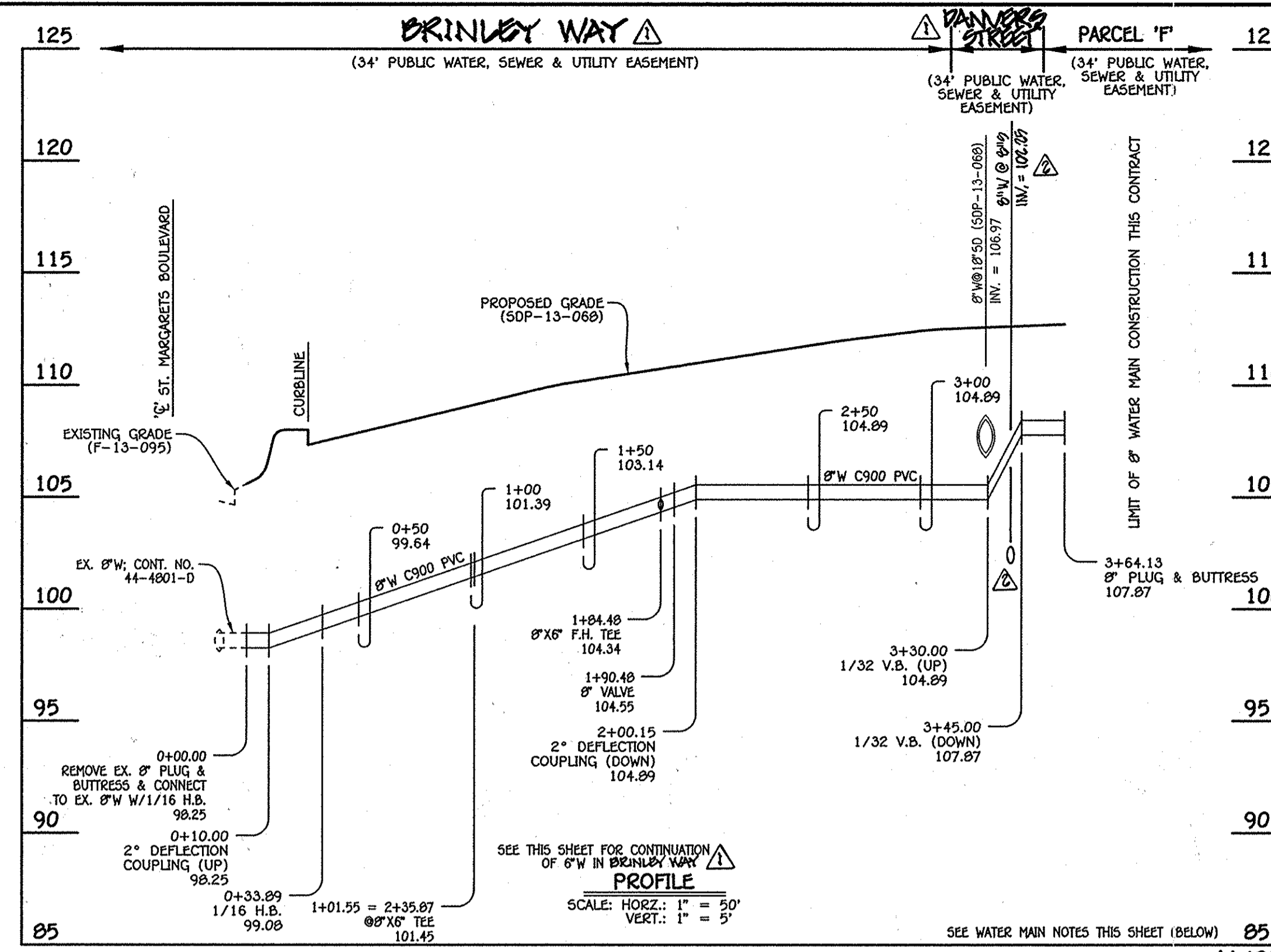
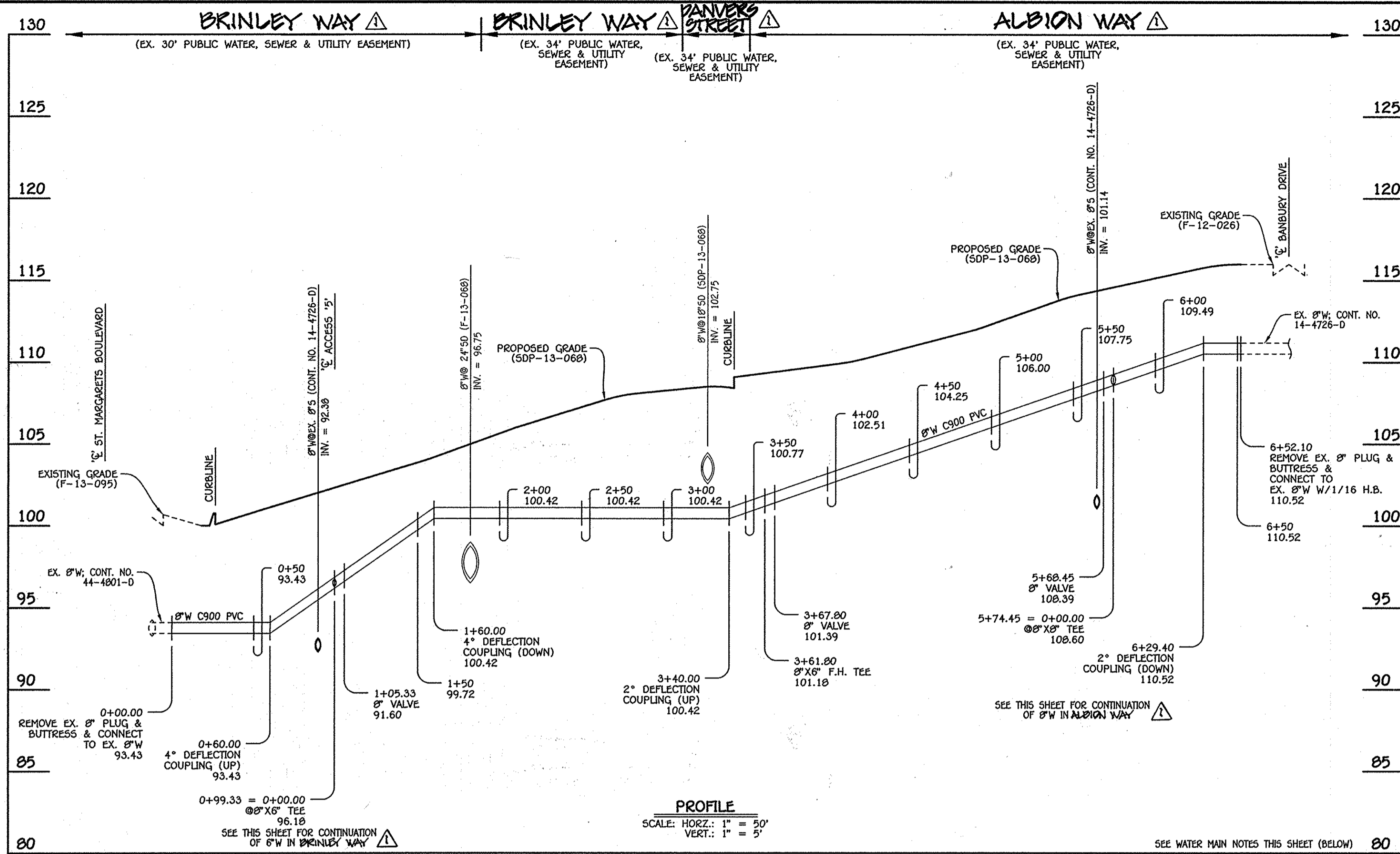
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 12043, EXPIRATION DATE 5/7/16/14.  
FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL Pkwy  
ELICOTT CITY, MARYLAND 21042  
(410) 461-2895



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: 5/29/14  
NO. 100  
REVISION

WATER MAIN EXTENSIONS  
PROFILES & CHARTS  
600' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
F.C.C. WORK ORDER NO. 09014-3003  
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

OXFORD SQUARE  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 & PARCELS 'N' & 'O'  
WATER & SEWER MAIN EXTENSIONS  
CONTRACT NO. 14-4802-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 3 OF 8

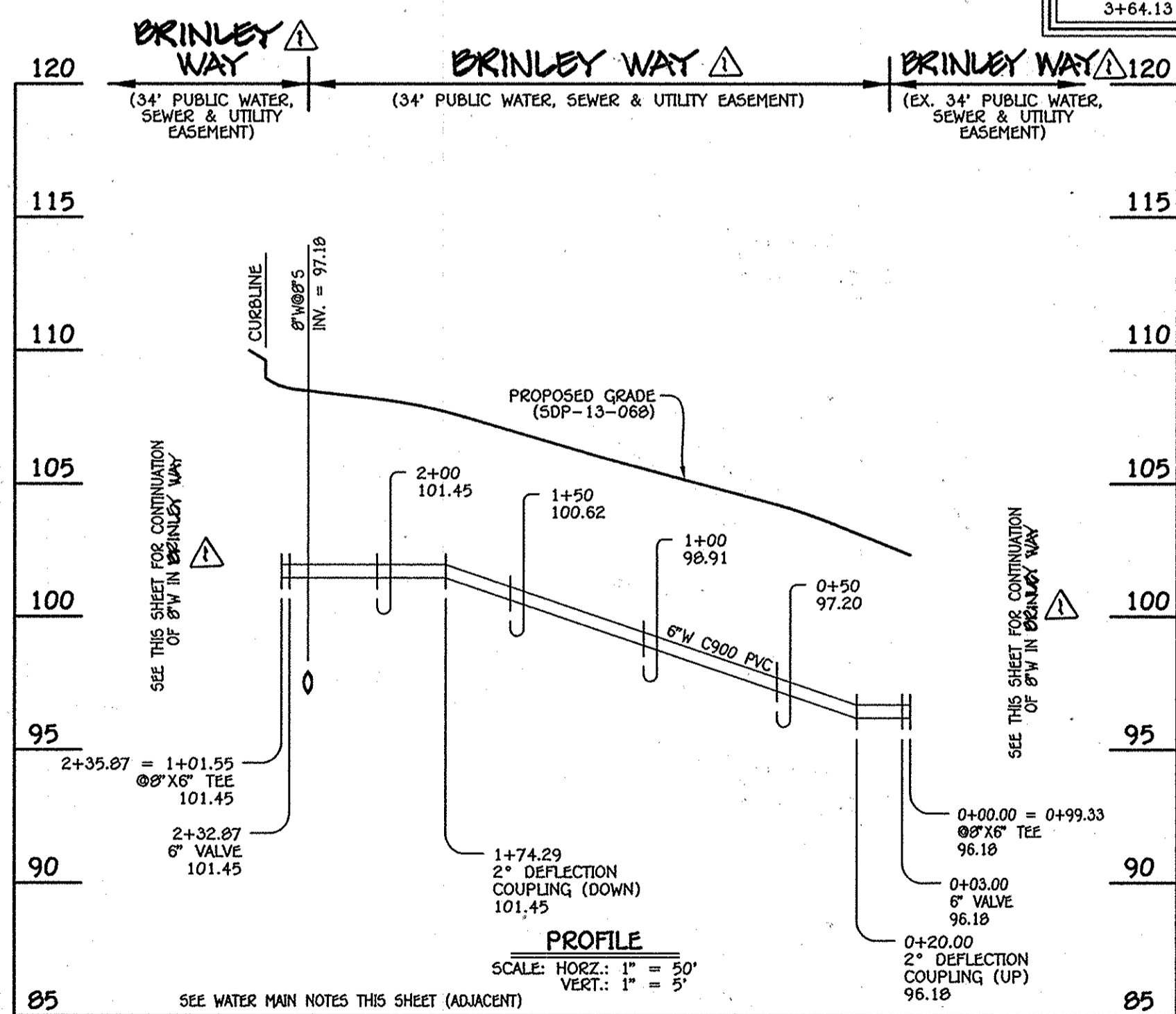


8" WATER MAIN: BRINLEY WAY & ALBION WAY

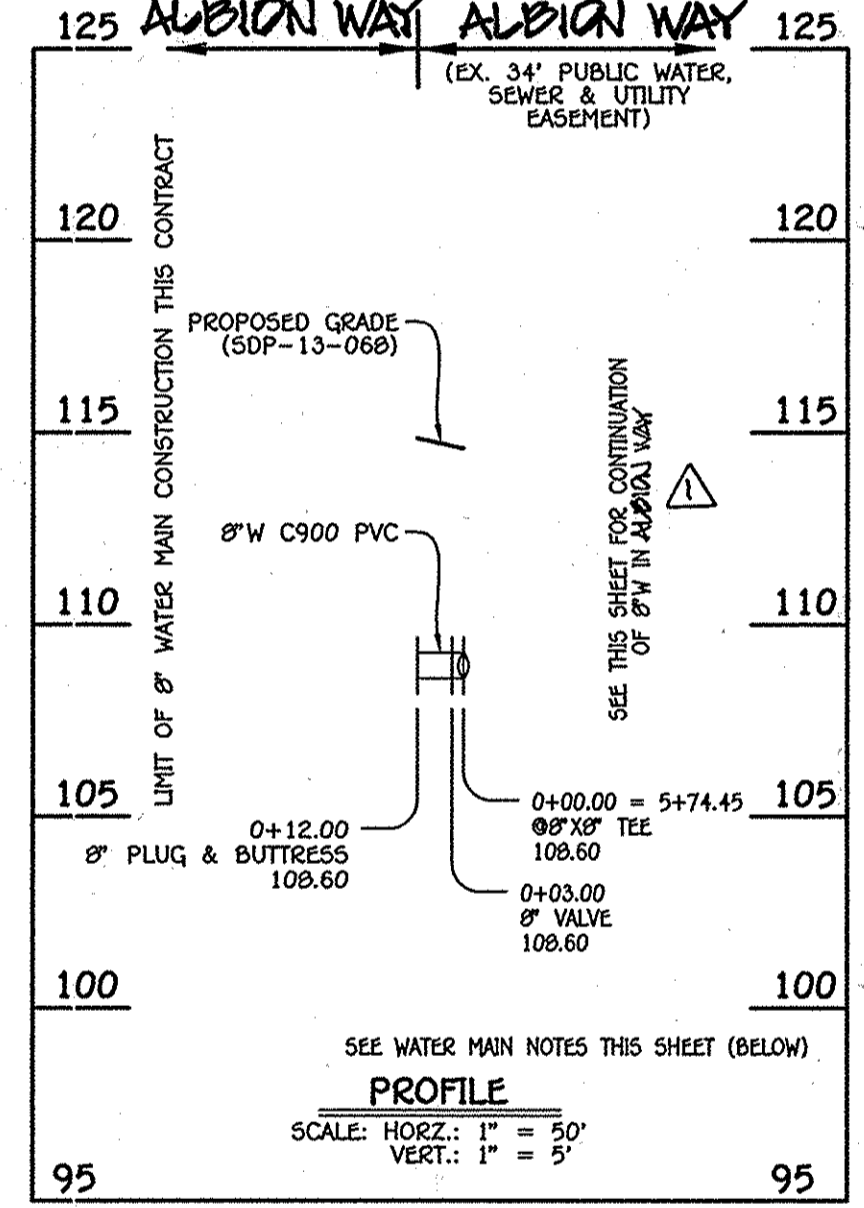
W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	EX. 8" PLUG & BUTTRESS	552364.72	1386764.60
0+99.33	8" X6" TEE	552453.80	1386808.55
1+05.33	8" VALVE	552459.18	1386811.20
3+61.80	8" X6" F.H. TEE	552689.18	1386924.70
3+67.80	8" VALVE	552694.56	1386927.70
5+68.45	8" VALVE	552874.49	1387016.13
5+74.45	8" X6" TEE	552879.87	1387018.78
6+52.10	8" PLUG & BUTTRESS & 1/16 H.B.	552949.51	1387053.14

W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	EX. 8" PLUG & BUTTRESS & 1/16 H.B.	552463.70	1386563.99
0+33.89	1/16 H.B.	552497.44	1386567.18
1+01.55	8" X6" TEE	552598.17	1386597.03
1+84.48	8" X6" F.H. TEE	552632.59	1386633.62
1+90.48	8" VALVE	552637.97	1386636.26
3+64.13	8" PLUG & BUTTRESS	552793.81	1386712.87

W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	8" X6" TEE	552453.80	1386808.55
0+03.00	8" VALVE	552455.12	1386805.87
2+32.87	8" VALVE	552556.84	1386599.72
2+35.87	8" X6" TEE	552558.17	1386597.03



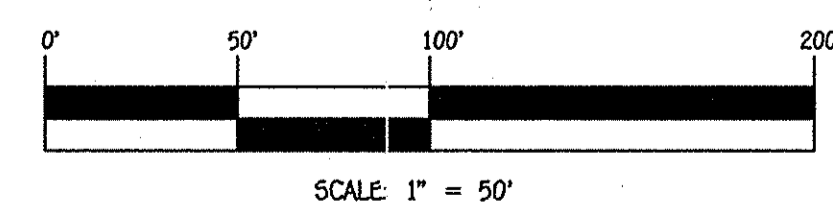
6" WATER MAIN: BRINLEY WAY



8" WATER MAIN: ALBION WAY

W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	8" X6" TEE	552879.87	1387018.78
0+03.00	8" VALVE	552881.20	1387016.09
0+12.00	8" PLUG & BUTTRESS	552885.18	1387008.02

- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AWMA 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 IV - 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.



CONTRACT NO. 14-4802-D  
OXFORD SQUARE  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 &  
PARCELS 'N' & 'O'  
WATER & SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

12/20/13

12/20/13

12/24/14

12/24/14

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 IS 7/16/14.

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK - 10272 BALDWIN NATIONAL FREE ELLIOTT CITY, MARYLAND 21842 (410) 461-2895

DESIGNED BY: B.C.R.

DRAWN BY: B.C.R.

CHECKED BY: POC

DATE: 12/10/13

BY: POC

DATE: 12/10/13

WATER MAIN EXTENSIONS PROFILES & CHARTS

600' SCALE MAP NO. 39 BLOCK NO. 19 & 20

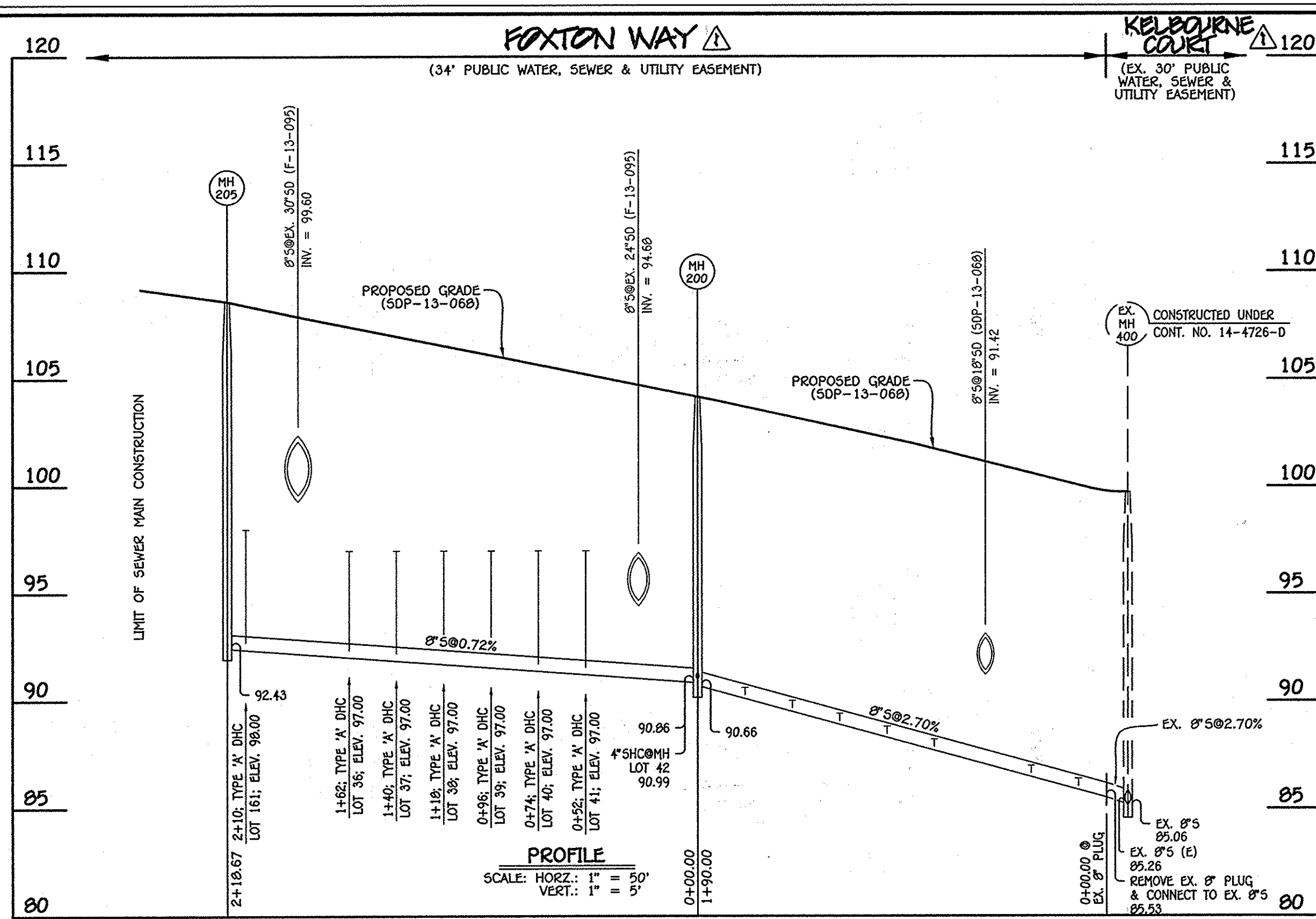
F.C.C. WORK ORDER NO. 09014-3003

FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

OXFORD SQUARE  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 &  
PARCELS 'N' & 'O'  
WATER & SEWER MAIN EXTENSIONS  
CONTRACT NO. 14-4802-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 4 OF 8

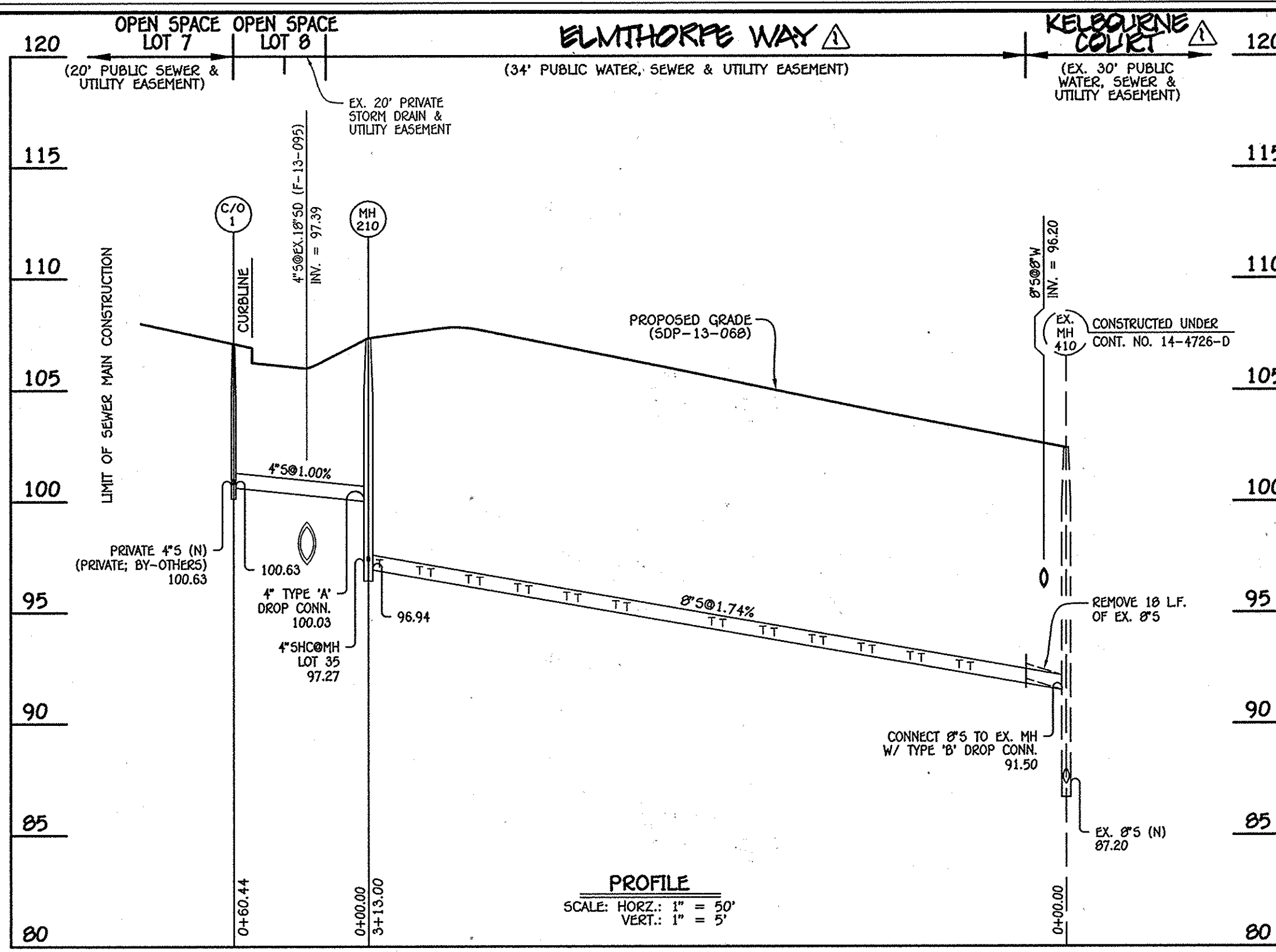


8" SEWER MAIN: EX. MH 400 - MH 205

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
EX. 8" PLUG	552075.93	1386495.66	---
200	552160.00	1386325.28	104.20
205	552256.76	1386129.18	108.61

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART					
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT R/W	M.C.E.	SLAB ELEV.
EX. MH 400 TO MH 200					
0+23 RT.	49	86.05	86.43	90.33	103.27
0+45 RT.	48	86.65	87.03	90.93	103.94
0+90 RT.	47	87.86	88.24	92.14	103.73
1+12 RT.	46	88.45	88.83	92.73	104.40
1+34 RT.	45	89.05	89.43	93.33	105.60
1+56 RT.	44	89.64	90.02	93.92	105.73
1+78 RT.	43	90.24	90.62	94.52	106.40
⊙MH 200 RT.	42	90.99	91.37	95.27	107.06
MH 200 TO MH 205					
0+52 RT.	41 (DHC)	97.00	97.38	101.28	107.97
0+74 RT.	40 (DHC)	97.00	97.38	101.28	108.64
0+96 RT.	39 (DHC)	97.00	97.38	101.28	108.64
1+18 RT.	38 (DHC)	97.00	97.38	101.28	109.30
1+40 RT.	37 (DHC)	97.00	97.38	101.28	109.30
1+62 RT.	36 (DHC)	97.00	97.38	101.28	109.97
2+10 RT.	FUTURE 161 (DHC)	98.00	98.38	102.28	110.42

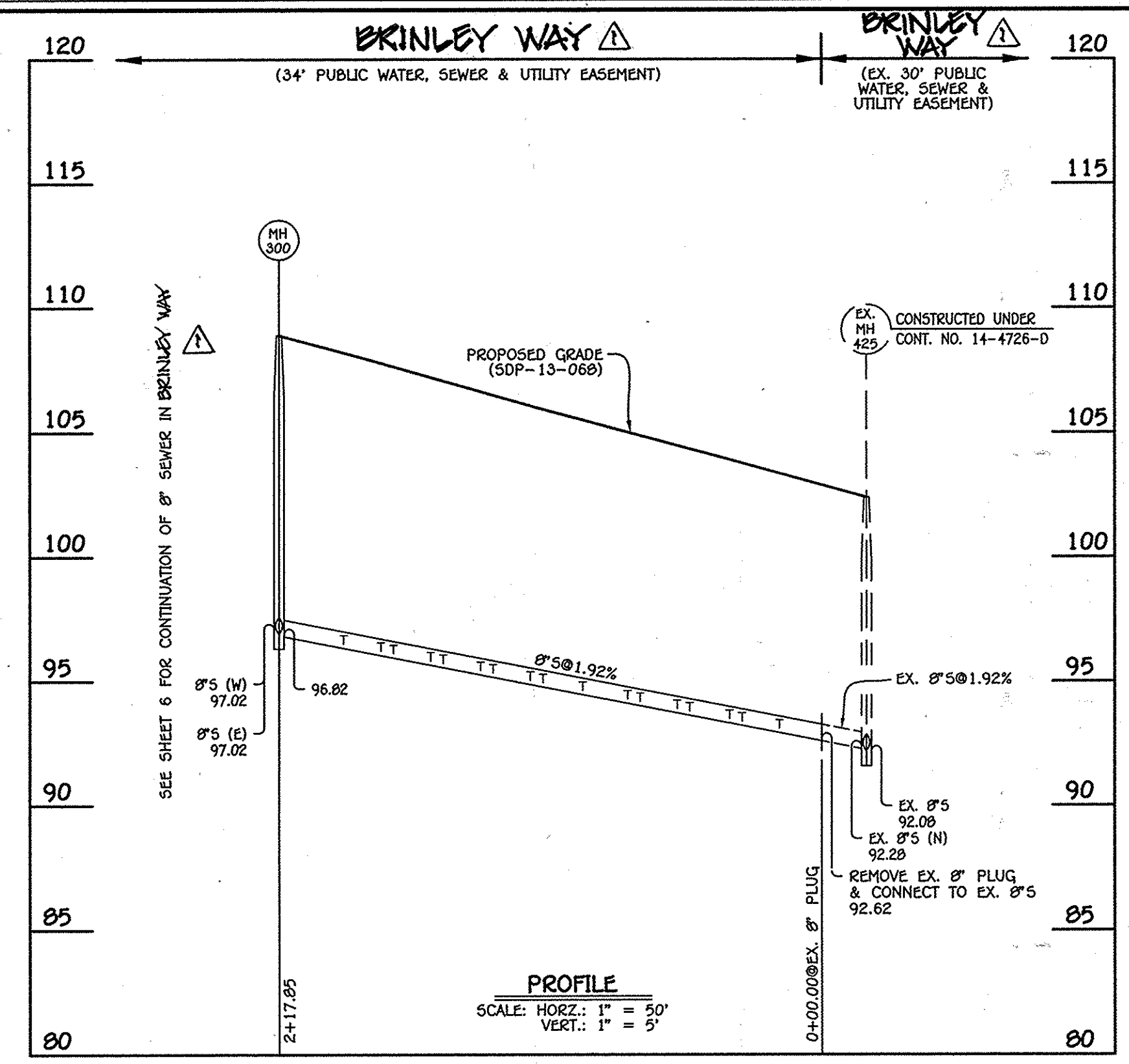


8" & 4" SEWER MAIN: EX. MH 410 - MH 210 - C/O 1

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
210	552341.57	1386408.51	107.36
C/O 1	552368.32	1386354.32	107.10

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART					
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT R/W	M.C.E.	SLAB ELEV.
EX. MH 410 TO MH 210					
0+43 RT.	14	92.42	92.86	96.76	105.07
0+48 LT.	24	92.51	92.75	96.65	105.40
0+65 RT.	13	92.80	93.24	97.14	105.74
0+70 LT.	25	92.89	93.13	97.03	105.70
0+87 RT.	12	93.18	93.62	97.52	106.41
0+92 LT.	26	93.27	93.51	97.41	105.70
1+09 RT.	11	93.57	94.01	97.91	107.07
1+14 LT.	27	93.65	93.89	97.79	106.37
1+31 RT.	10	93.95	94.39	98.29	107.74
1+36 LT.	28	94.04	94.28	98.18	107.04
1+54 RT.	9	94.35	94.79	98.69	108.41
1+59 LT.	29	94.44	94.68	98.58	107.04
1+97 RT.	8	95.10	95.54	99.44	108.17
2+02 LT.	30	95.18	95.42	99.32	108.00
2+19 RT.	7	95.48	95.92	99.82	108.83
2+24 LT.	31	95.57	95.81	99.71	108.67
2+41 RT.	6	95.86	96.30	100.20	109.50
2+46 LT.	32	95.95	96.19	100.09	108.67
2+63 RT.	5	96.25	96.69	100.59	110.07
2+68 LT.	33	96.33	96.57	100.47	109.33
2+85 RT.	4	96.63	97.07	100.97	110.07
2+90 LT.	34	96.72	96.96	100.86	109.33
3+08 RT.	3	97.03	97.47	101.37	110.17
⊙MH 210 LT.	35	97.27	97.51	101.41	108.67

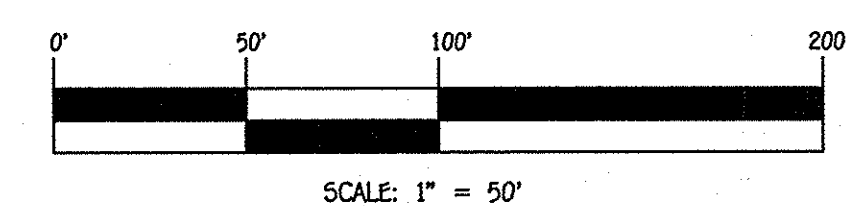


8" SEWER MAIN: EX. MH 425 - MH 300

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
EX. 8" PLUG	552448.37	1386796.96	---
300	552544.77	1386601.59	108.91

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART					
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT R/W	M.C.E.	SLAB ELEV.
EX. MH 425 TO MH 300					
0+35 LT.	61	93.12	93.36	97.16	104.59
0+50 RT.	79	93.41	93.85	97.75	107.24
0+55 LT.	60	93.51	93.75	97.55	105.25
0+71 RT.	80	93.81	94.25	98.15	107.24
0+76 LT.	59	93.91	94.15	97.95	105.92
0+91 RT.	81	94.20	94.64	98.54	107.91
0+96 LT.	58	94.29	94.53	98.33	106.59
1+14 RT.	82	94.64	95.08	98.98	108.57
1+30 LT.	57	94.95	95.19	98.99	107.48
1+35 RT.	83	95.04	95.48	99.38	108.57
1+50 LT.	56	95.33	95.57	99.37	108.14
1+55 RT.	84	95.43	95.87	99.77	109.24
1+70 LT.	55	95.71	95.95	99.75	108.81
1+75 RT.	85	95.81	96.25	100.15	109.91
1+90 LT.	54	96.10	96.34	100.14	108.81
1+95 RT.	86	96.19	96.63	100.53	111.21
2+10 LT.	53	96.48	96.72	100.52	109.48



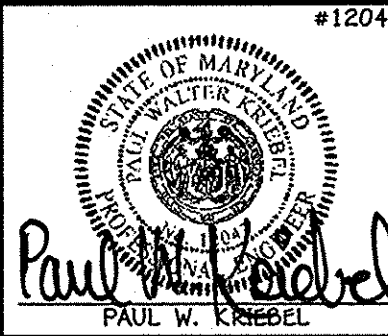
CONTRACT NO. 14-4802-D  
OXFORD SQUARE  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 &  
PARCELS 'N' & 'O'  
WATER & SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

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 5/7/16/14.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALDWIN NATIONAL PkE. ELKROTT CITY, MARYLAND 21042 (410) 461-2295



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.W.K.  
DATE: DECEMBER, 2013

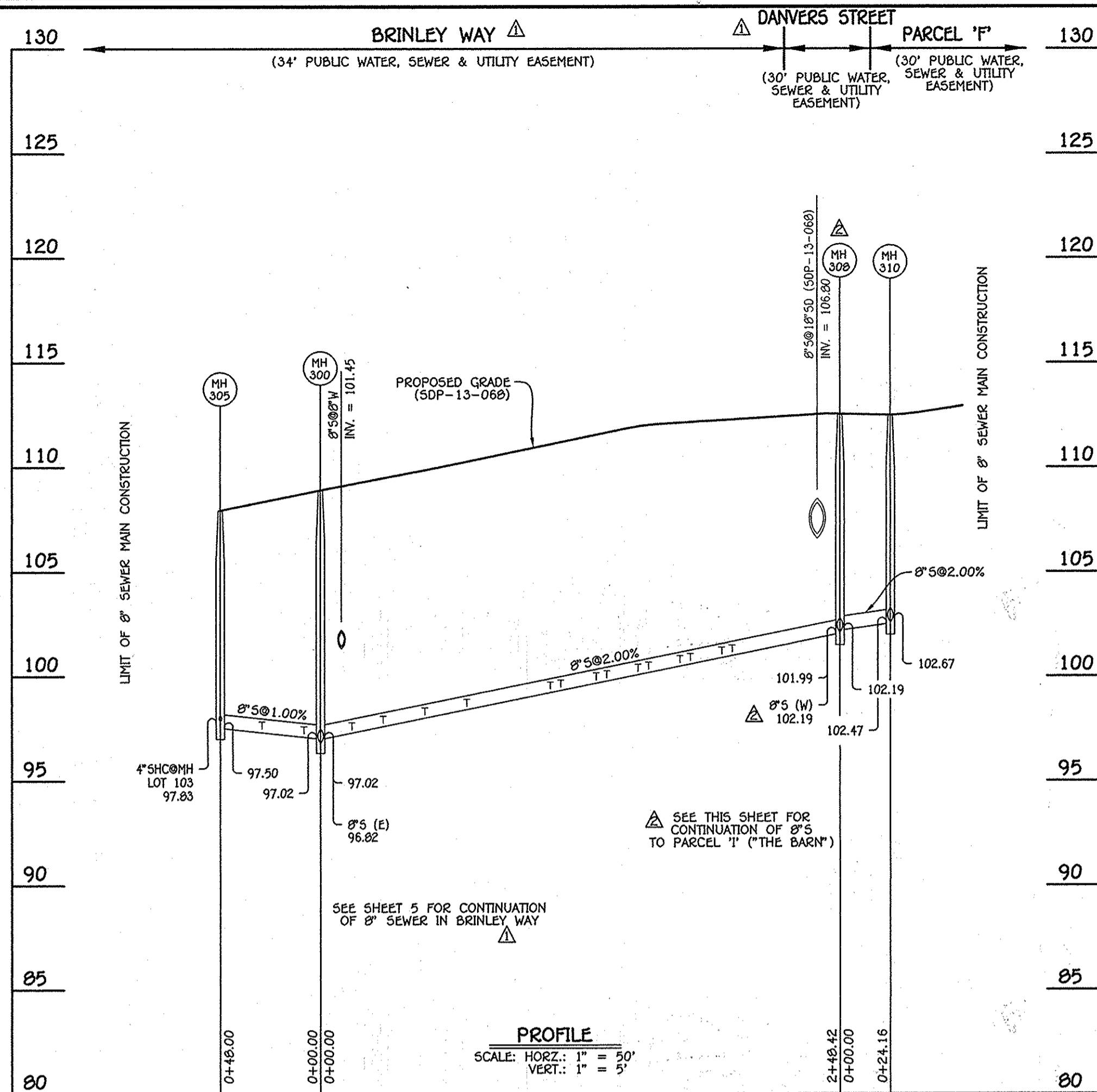
ADD STREET NAMES AT ALL APPLICABLE LOCATIONS

SEWER MAIN EXTENSIONS  
PROFILES & CHARTS

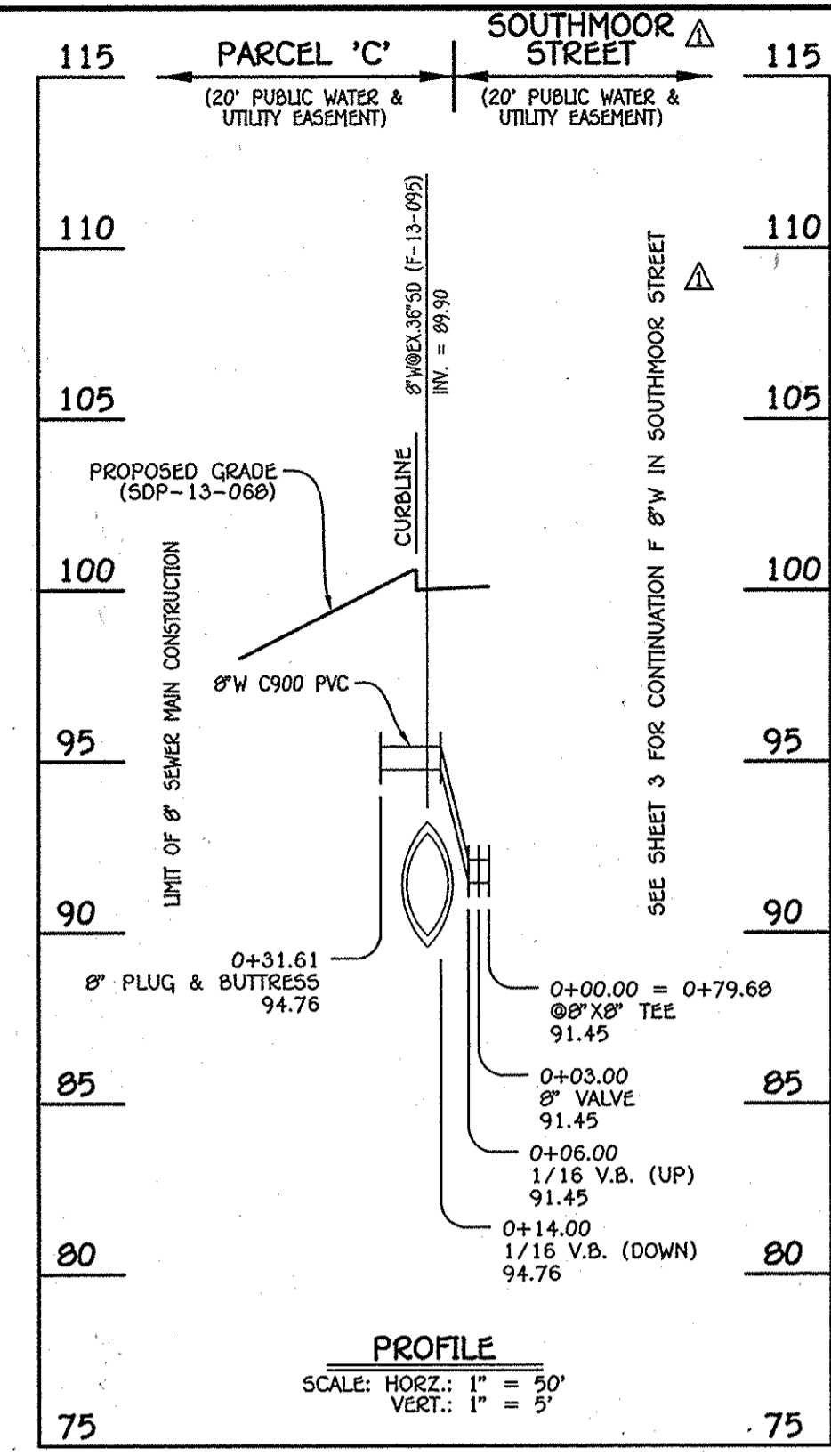
600' SCALE MAP NO. 38 BLOCK NO. 19 & 20  
F.C.C. WORK ORDER NO. 09014-3003  
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

OXFORD SQUARE  
LOTS 3 THRU 103,  
OPEN SPACE LOTS 104-116 & PARCELS 'N' & 'O'  
WATER & SEWER MAIN EXTENSIONS  
CONTRACT NO. 14-4802-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 5 OF 8

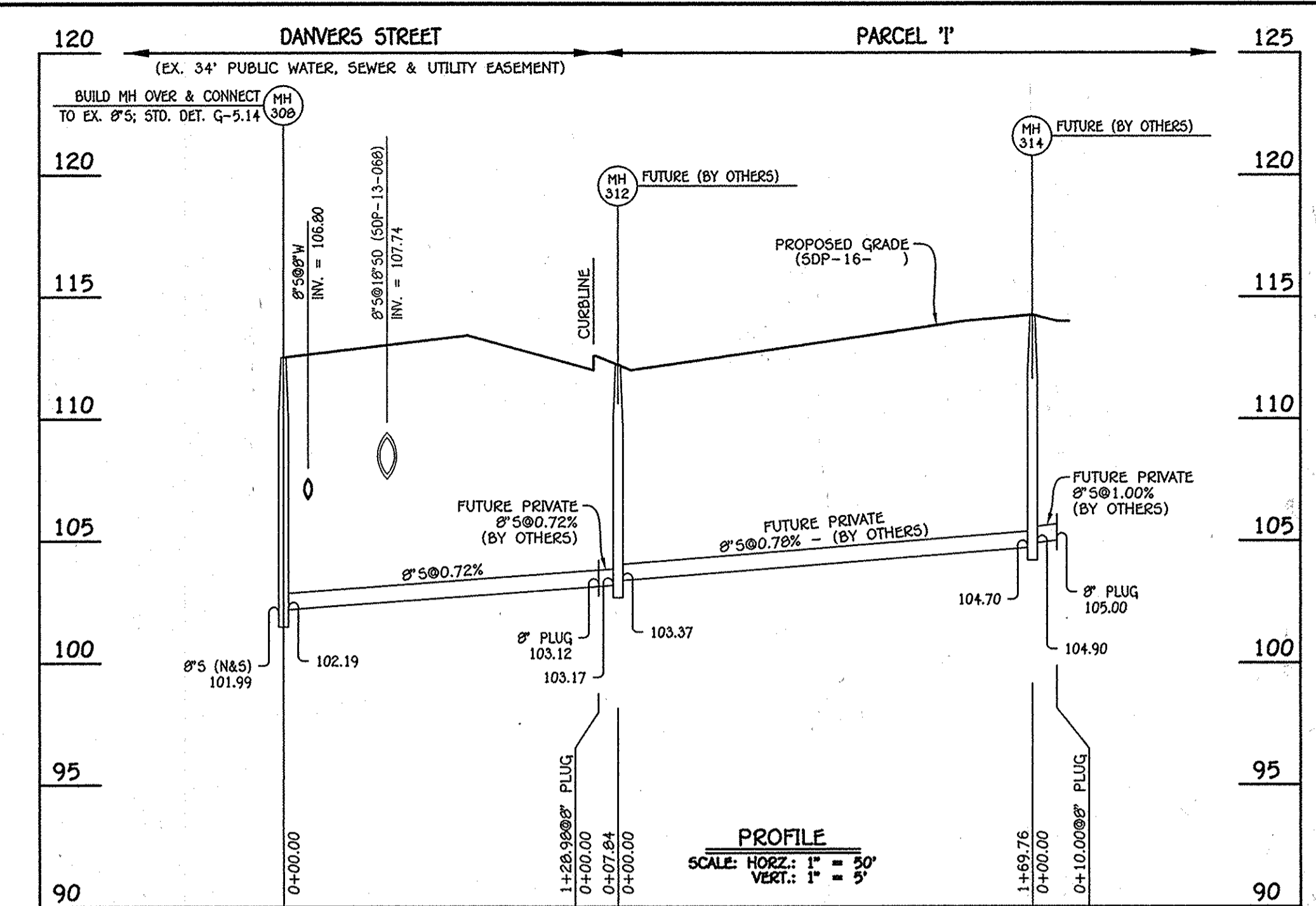


8" SEWER MAIN: MH 300 - MH 305 & MH 310



8" WATER MAIN: TO PARCEL 'C'

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
0+00.00	8" X 8" TEE	552138.38	1386774.70
0+03.00	8" VALVE	552137.05	1386777.39
0+31.61	8" PLUG & BUTTRESS	552124.38	1386803.05



8" SEWER MAIN: MH 308 TO 8" PLUG

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
308	552767.70	1386711.18	X
8" PLUG	552824.60	1386595.43	---
FUTURE 312	552828.06	1386598.40	X
FUTURE 314	552900.41	1386663.28	X
FUTURE 8" PLUG	552984.83	1386654.32	---

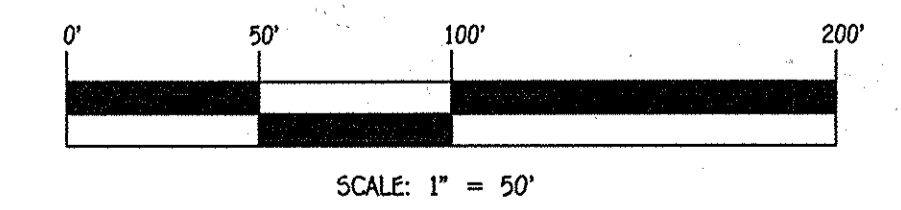
NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
300	552544.77	1386601.59	108.91
305	552501.69	1386580.41	107.94
308	552767.70	1386711.18	112.53
310	552789.39	1386721.84	112.47

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART					
STATION	LOT	ELEVATION AT MAIN	ELEVATION AT R/W	M.C.E.	SLAB ELEV.
MH 300 TO MH 305					
0+08 RT.	101	97.27	97.71	101.51	111.29
0+28 RT.	102	97.47	97.91	101.71	110.62
0+48 RT.	103	97.83	98.27	102.07	110.62
MH 300 TO MH 310					
0+15 LT.	100	97.49	97.93	101.73	111.29
0+30 LT.	99	97.79	98.23	102.03	111.95
0+50 LT.	98	98.19	98.63	102.43	112.62
0+70 LT.	97	98.59	99.03	102.83	113.29
1+10 LT.	96	99.39	99.83	103.63	113.83
1+15 RT.	87	99.49	99.73	103.53	112.67
1+32 LT.	95	99.83	100.27	104.07	113.83
1+37 RT.	88	99.93	100.17	103.97	113.33
1+52 LT.	94	100.23	100.67	104.47	114.50
1+57 RT.	89	100.33	100.57	104.37	113.33
1+72 LT.	93	100.63	101.07	104.87	114.50
1+77 RT.	90	100.73	100.97	104.77	114.00
1+92 LT.	92	101.03	101.47	105.27	115.17
1+97 RT.	91	101.13	101.37	105.17	114.67

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 6 OF 8 SUPERSEDES THE WATER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING ON JANUARY 24, 2014.



CONTRACT NO. 14-4802-D  
 OXFORD SQUARE  
 LOTS 3 THRU 103,  
 OPEN SPACE LOTS 104-116 &  
 PARCELS 'N' & 'O'  
 WATER & SEWER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHEF, BUREAU OF UTILITIES <i>John W. With</i>	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND CHIEF, DEVELOPMENT ENGINEERING DIVISION <i>M.G.</i>	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 7/16/14. <b>FISHER, COLLINS &amp; CARTER, INC.</b> CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SOURCE OFFICE BLDG. - 10722 SALTWATER NATIONAL PIKE ELKLOTT CITY, MARYLAND 21042 (410) 461 - 2895	DESIGNED BY : B.C.R. DRAWN BY : B.C.R. CHECKED BY : P.W.K. DATE : JULY, 2015	FCC <input checked="" type="checkbox"/> ADD PROFILE & MH CHART FOR SEWER MAIN EXTENSION TO PARCEL 'T' (FUTURE 'THE BARN') 7/13/15 FCC <input checked="" type="checkbox"/> ADD PROFILE & CHART: 8" WATER MAIN TO PARCEL 'C' / ADD STREET NAMES IN ALL APPLICABLE LOCATIONS 5/29/14	<b>WATER &amp; SEWER MAIN EXTENSION PROFILE &amp; CHARTS</b> 600' SCALE MAP NO. 39 BLOCK NO. 19 & 20 F.C.C. WORK ORDER NO. 09014-3003 FILE NAME : WATER & SEWER MAIN EXTENSION PLAN	<b>OXFORD SQUARE</b> LOTS 3 THRU 103, OPEN SPACE LOTS 104-116 & PARCELS 'N' & 'O' WATER & SEWER MAIN EXTENSIONS CONTRACT NO. 14-4802-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 6 OF 8
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SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

Table with 4 columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Rows 3-91.

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

Table with 4 columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Rows 92-103.

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

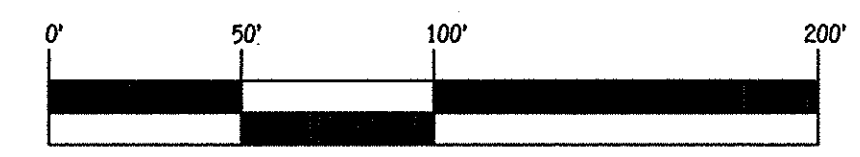
Table with 4 columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Rows 3-95.

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

Table with 4 columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Rows A-Q.

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

Table with 4 columns: LOT NUMBER, ADDRESS, LOCATION DIMENSION 1, LOCATION DIMENSION 2. Rows 86-103.



SCALE: 1" = 50'

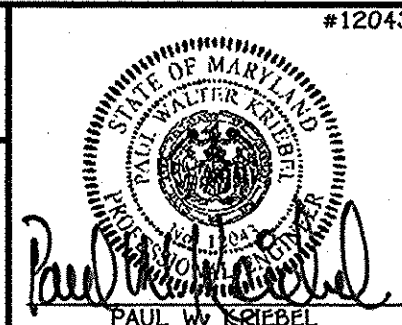
CONTRACT NO. 14-4802-D OXFORD SQUARE LOTS 3 THRU 103, OPEN SPACE LOTS 104-116 & PARCELS 'N' & 'O', WATER & SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

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 5/7/15/14.

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK 10272 BALTIMORE NATIONAL PARK ELICOTT CITY, MARYLAND 21042 (410) 461-2295



DESIGNED BY: B.C.R. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE: 4/17/13 BY NO. AS-BUILTS REVISION DATE: DECEMBER, 2013

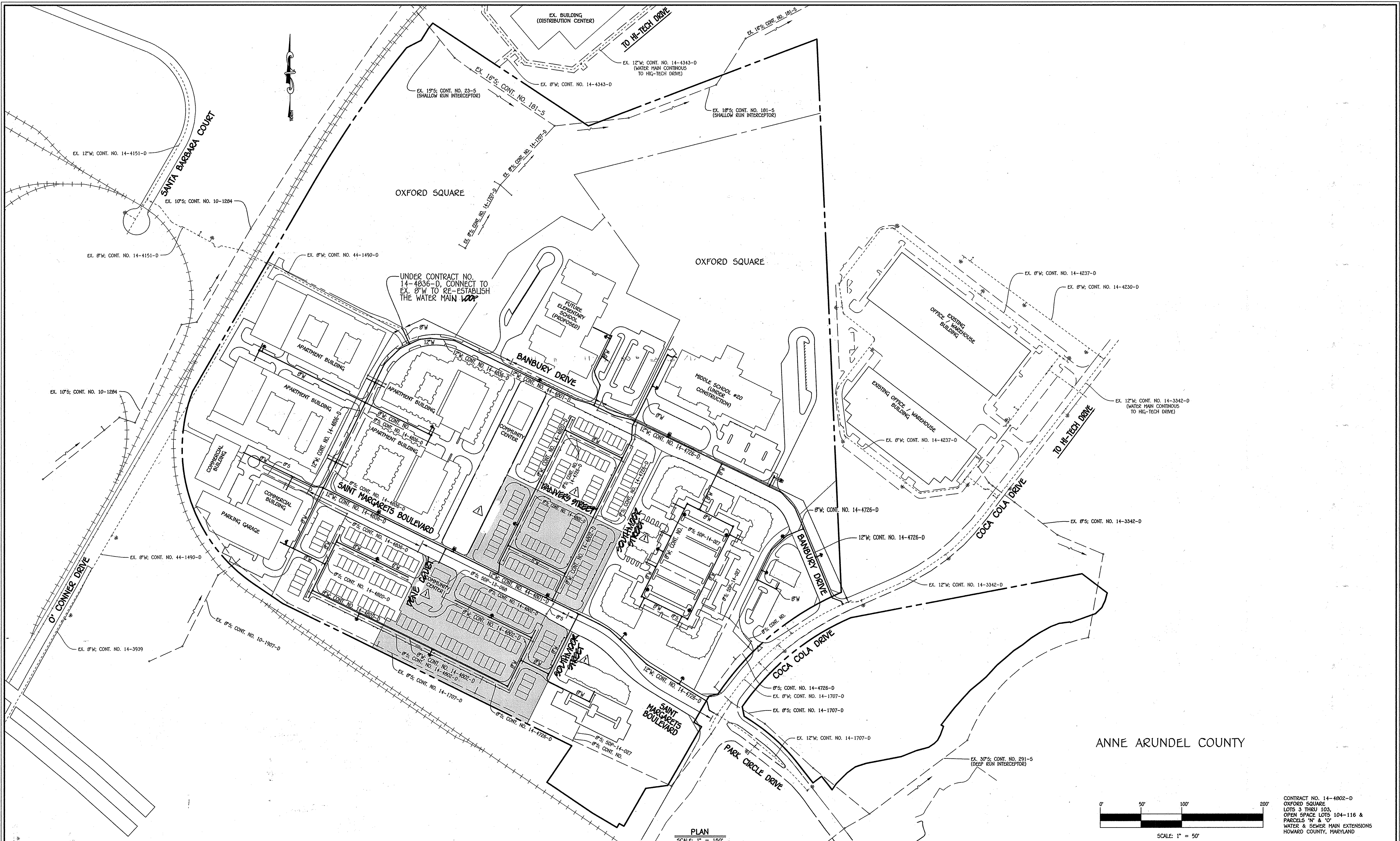
WATER & SEWER MAIN EXTENSIONS TABLES

600' SCALE MAP NO. 38 BLOCK NO. 19 & 20 F.C.C. WORK ORDER NO. 09014-3003 FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

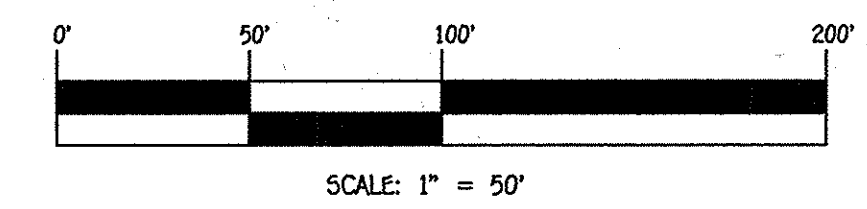
OXFORD SQUARE LOTS 3 THRU 103, OPEN SPACE LOTS 104-116 & PARCELS 'N' & 'O', WATER & SEWER MAIN EXTENSIONS CONTRACT NO. 14-4802-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN SHEET 7 OF 8

12/02/09 09:00:00 (Water & Sewer) Contract 3003 - Contract No. 14-4802-d (SDP-13-068)F-13-108YFinal(09/04/2009)04-3003 Water and Sewer Contract Plan - Phase 3.dwg Profile Sheet 7, 12/6/2013 2:33:20 PM



ANNE ARUNDEL COUNTY



CONTRACT NO. 14-4802-D  
 OXFORD SQUARE  
 LOTS 3 THRU 103,  
 OPEN SPACE LOTS 104-116 &  
 PARCELS 'N' & 'O'  
 WATER & SEWER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

<p>DEPARTMENT OF PUBLIC WORKS          HOWARD COUNTY, MARYLAND</p> <p><i>Seth C. Green</i>          CHIEF, BUREAU OF UTILITIES</p>	<p>DEPARTMENT OF PLANNING AND ZONING          HOWARD COUNTY, MARYLAND</p> <p><i>Chris Edmister</i>          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. 15243, EXPIRATION DATE 5/7/16/14.</p> <p><b>FISHER, COLLINS &amp; CARTER, INC.</b>          CIVIL ENGINEERING CONSULTANTS &amp; LAND SURVEYORS          CENTRAL SQUARE OFFICE PARK - 10275 BALDORNE NATIONAL PkE          ELLOTT CITY, MARYLAND 21042          (410) 461-2895</p>	<p>#12043</p> <p>PAUL W. CREBEL</p>	<p>DESIGNED BY: B.C.R.          DRAWN BY: B.C.R.          CHECKED BY: P.W.K.          DATE: DECEMBER, 2013</p> <p>BY: <i>Paul W. Crebel</i></p>	<p><b>WATER &amp; SEWER MAIN EXTENSIONS OVERVIEW</b></p> <p>600' SCALE MAP NO. 38 BLOCK NO. 19 &amp; 20          F.C.C. WORK ORDER NO. 09014-3003          FILE NAME: WATER &amp; SEWER MAIN EXTENSION PLAN</p>	<p><b>OXFORD SQUARE</b>          LOTS 3 THRU 103,          OPEN SPACE LOTS 104-116 &amp; PARCELS 'N' &amp; 'O'          WATER &amp; SEWER MAIN EXTENSIONS          CONTRACT NO. 14-4802-D          FIRST ELECTION DISTRICT          HOWARD COUNTY, MARYLAND</p>	<p>SCALE AS SHOWN</p> <p>SHEET 8 OF 8</p>
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1/20/2009 09:04:14.dwg (Water & Sewer Contract) 3003 - Contract No. 14-4802-d (SDP-13-088)(F-13-089)(Final)(09/14-3003 Water and Sewer Contract Plan - Phase 3 - Sheet 8.dwg, Sheet 8, 12/5/2013 10:27:07 AM