

QUANTITIES					
ITEM	ESTIMATED	QUANTITIES	AS-BUILT	TYPE	SUPPLIER
8" PVC; SDR-35	1,772 L.F.	1,772		PVC SDR35	North American
6" PVC; SDR-35	861 L.F.	861			
4" PVC; SDR-35	1,382 L.F.	1,382			
CLEAN-OUTS	156 EACH	156		Pre Cast	Prism Precast
MANHOLES	10 EACH	10		Pre Cast	Contractors PreCast
8" W C900 PVC; DR-18	1,772 L.F.	1,772		PVC C900	North American
6" W C900 PVC; DR-18	69 L.F.	69			
4" W C900 PVC; DR-18	296 L.F.	296			
1/2" 4" WVC	867 L.F.	867		Type K	Cambridge Lee
8" VALVE	7 EACH	7		Series 2500	AmericanFlowControl
6" VALVE	3 EACH	3			
4" VALVE	19 EACH	19			
FIRE HYDRANT	3 EACH	3		B 84 B	
8" X 8" TEE	4 EACH	4		Epoxy Coated	Tyler Union
8" X 6" TEE	3 EACH	3			
8" X 4" TEE	9 EACH	9			
8" X 4" CROSS	5 EACH	5			
CONTINUITY TEST STATION	3 EACH	3		Concrete	Prism Precast
8" PLUG & BUTTRESS	2 EACH	2		Epoxy Coated	Tyler Union
4" PLUG & BUTTRESS	19 EACH	19			
TWIN OUTSIDE METER SETTING	58 EACH	58		Single Meter Set	AT McDonald

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 555,897.3373
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 SOUTHSIDE OF DORSEY ROAD, APPROX. 2.2' OFF THE EDGE OF PAVING, APPROX. 46.7' EAST OF POWER POLE NO. 19)
N 552,084.2466
E 1,392,282.4190
ELEVATION = 144.391 - VERTICAL - (NAVD '88)

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. Kriebel, FOR:
PRESTON-SCHEFFENACKER PROPERTIES 07-16-15
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, 07/16/15
SIGNATURE OF ENGINEER DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV: STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THE SITE DEVELOPMENT PLAN, SDP-14-072.

Paul W. Kriebel, FOR:
PRESTON-SCHEFFENACKER PROPERTIES 07-16-15
SIGNATURE OF DEVELOPER DATE

SDP-14-072

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

APPROVED: John R. Rabutan 8/3/15
HOWARD SOIL CONSERVATION DISTRICT DATE

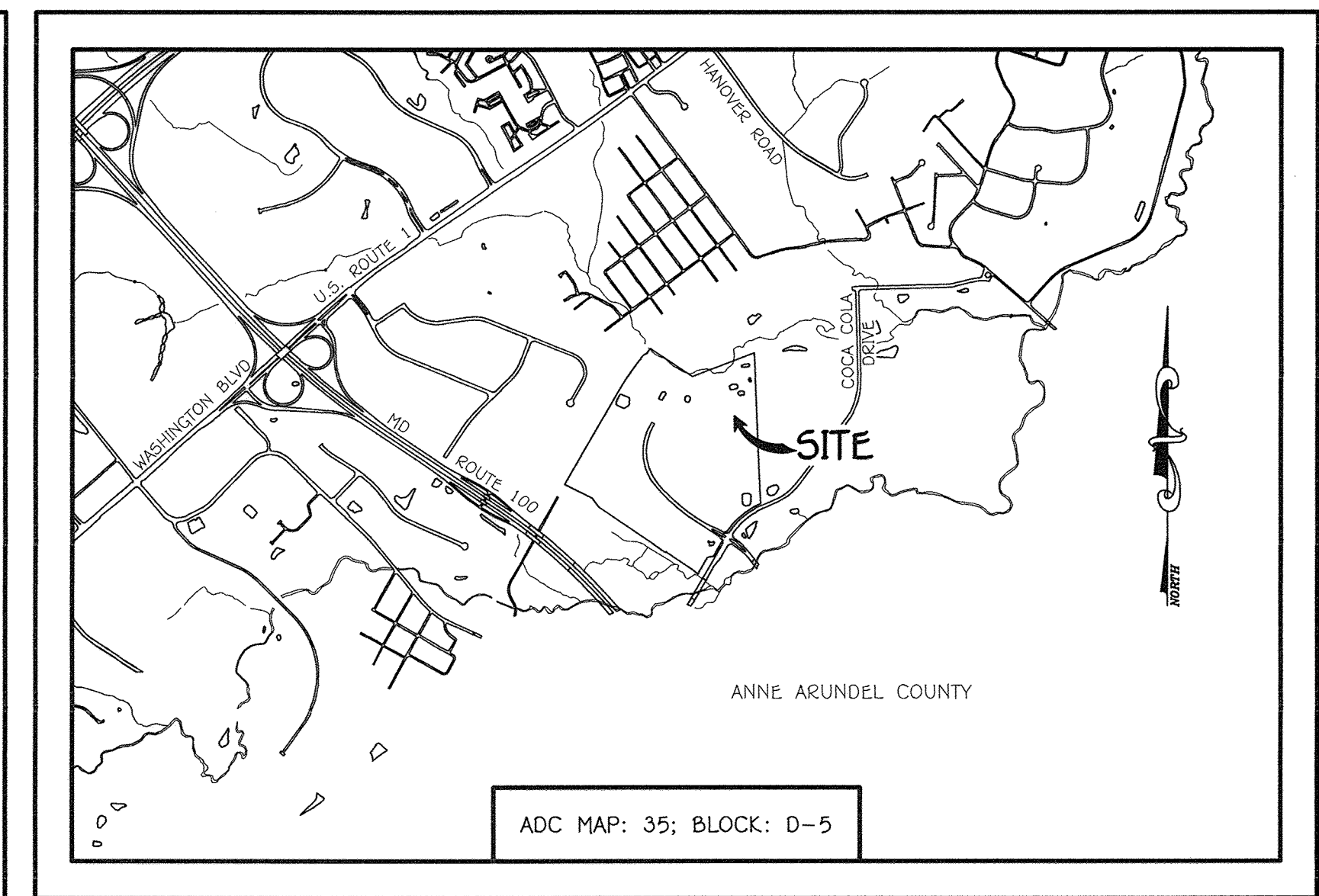
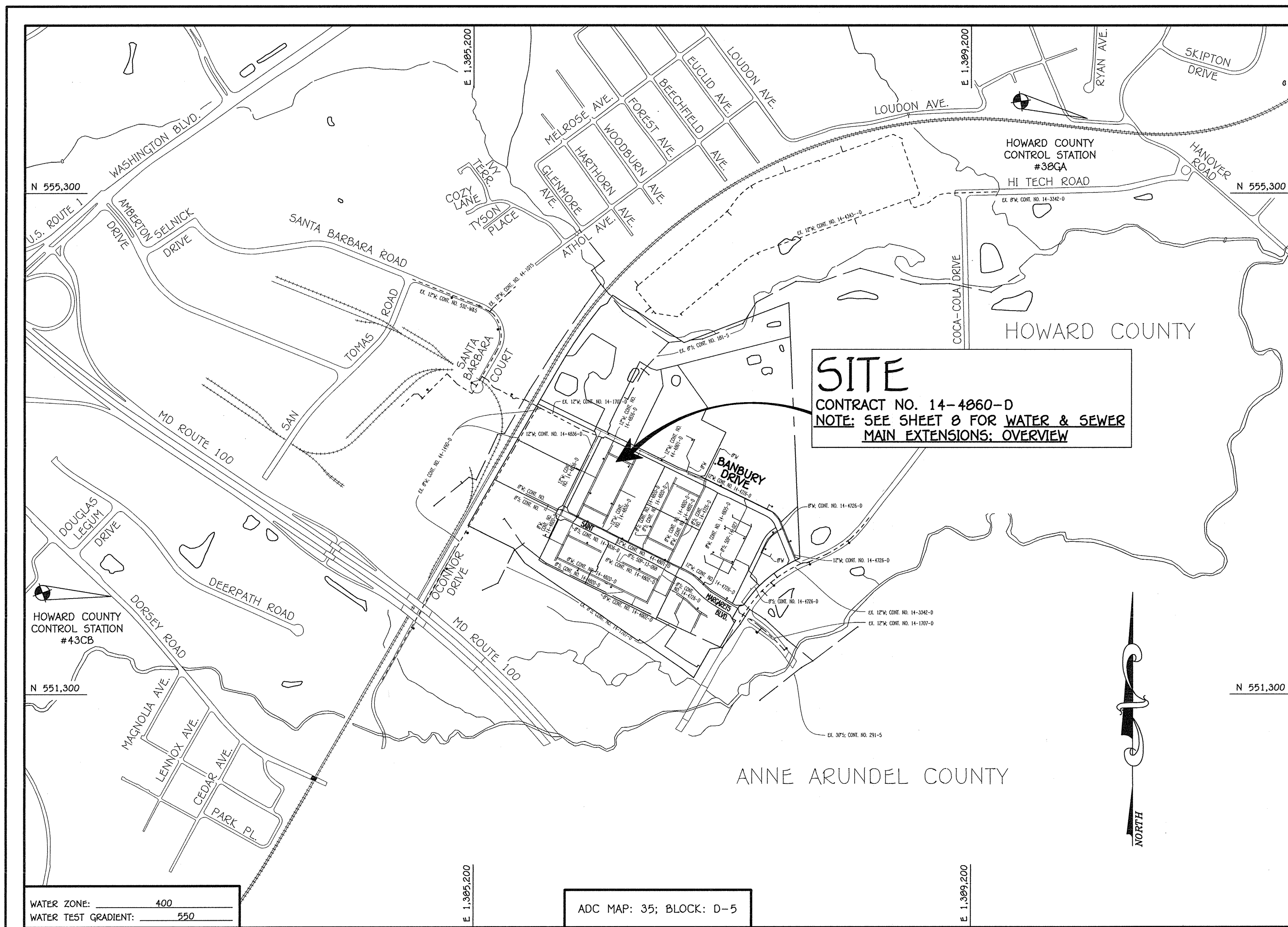
LEGEND	
SYMBOL	DESCRIPTION
---	EX. WATER MAIN
---	EX. SEWER MAIN
○	EX. SEWER MANHOLE
---	EX. WATER, SEWER & UTILITY EASEMENT
⊙	EX. FIRE HYDRANT
◇	EX. VALVE
---	PROP. WATER MAIN
---	PROP. SEWER MAIN
○	PROP. SEWER MANHOLE
---	PROP. WATER, SEWER & UTILITY EASEMENT
---	PROP. WVC
---	PROP. SHC
⊙	PROP. FIRE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

TYPE OF BUILDING:	RESIDENTIAL: CONDOMINIUM BUILDINGS
NUMBER OF PARCELS:	1
NO. OF WATER HOUSE CONNECTIONS:	156 (40 WITHIN SPINNELER ROOM)
NO. OF SEWER HOUSE CONNECTIONS:	156
SEWER SHED:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT CITY OF BALTIMORE

LOCATION MAP

SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:
F-15 (RECORDED PLAT)
SDP-14-072



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 & 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 6'-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 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 EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL ⊙ 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 MADE 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) 410-689-0123
BUREAU OF UTILITIES 410-313-4900
COLONIAL PIPELINE CO 410-799-1990
MES UTILITY 1-800-277-7777
STATE HIGHWAY ADMINISTRATION 410-531-9533
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 STUMP AND REMOVE ALL TREES 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 BRACING 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(i) OF THE HOWARD COUNTY CODE.

PART B: WATER MAIN GENERAL NOTES

- ALL WATER MAINS SHALL BE AWMA 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 1009 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 THE AWMA 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.
- PROPER ASSEMBLY OF GASKETED PVC PIPE JOINTS: THE CONTRACTOR'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 (HD) COUPLINGS. NO BENDING OF THE PIPE OR DEFLECTING OF PVC PIPE JOINTS IS PERMITTED, WHERE 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.

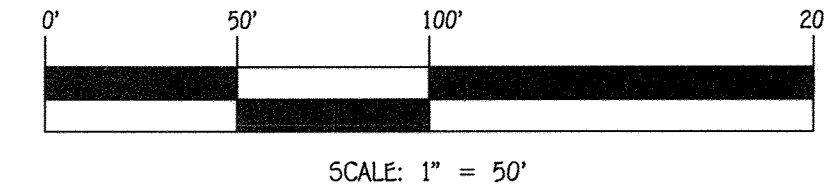
PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL OF 3-DEGREES (1 1/2-DEGREE ON EITHER END OF THE COUPLING), SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF AWMA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 9-INCHES AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTANTYED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.

FIVE DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR-18 MEETING THE REQUIREMENTS OF AWMA C900 AND SHALL BE MULTI FITTINGS (IPEX) BLUE BRUTE 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 AWMA 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 INCORPORATE AN EXPANSION RETENTION SPRING TO ALLOW FOR PIPE EXPANSION AND CONTRACTION. THE BELL STOPS SHALL BE SERIES 5000 HIGH-STOP, AS MANUFACTURED BY ESEA IRON, INC. OR APPROVED EQUAL.
- TO ACCOMMODATE A SPINNELER SYSTEM, CONDO BUILDING NOS. 1 THRU 4, 7, 8, & 11 THRU 16 SHALL HAVE A 4" INSIDE COMBINED FIRE / DOMESTIC WATER MAIN, CONDO BUILDING BUILDING NOS. 5, 6, 9 & 10 SHALL HAVE TWO (2) INSIDE COMBINED FIRE / DOMESTIC WATER MAINS. INDIVIDUAL CONDOMINIUM UNITS SHALL EACH HAVE A 1" WATER HOUSE CONNECTION WITH A 3/4" OUTSIDE METER SETTING, STD. DET. W-3-33; EXCEPT AS NOTED.

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 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.I.T. IN PLAN AND PROFILE SHALL HAVE WATERIGHT FRAME AND COVER, STANDARD DETAIL C5.52, WHERE WATERIGHT MANHOLES 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.



CONTRACT NO. 14-4860-D
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

AS-BUILT

By [Signature] Date 12/3/15

BUILDER

LENNAR
10211 WINCOPIN CIRCLE, SUITE 180
COLUMBIA, MARYLAND 22144
PH# 410-423-0460

OWNER

KELLOGG-CCP, 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

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 5/7/16/18.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FILE
ELLIOTT CITY, MARYLAND 21042
(410) 461 - 2999



DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	JULY, 2015
BY NO.	REVISION

WATER & SEWER MAIN EXTENSIONS
TITLE SHEET

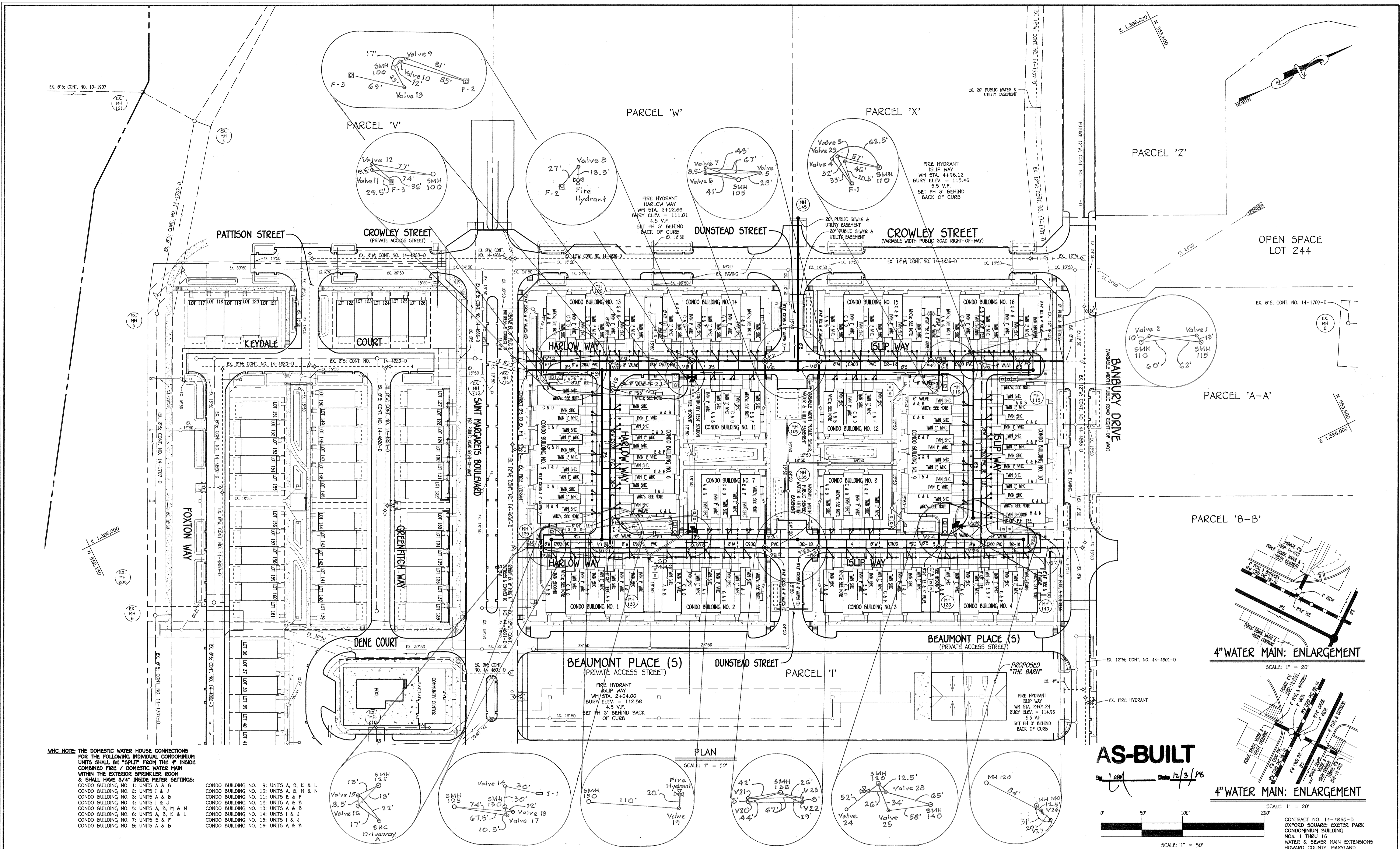
600' SCALE MAP NO. 30 BLOCK NO. 13 & 20
F.C.C. WORK ORDER NO. 0914-3010
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 12

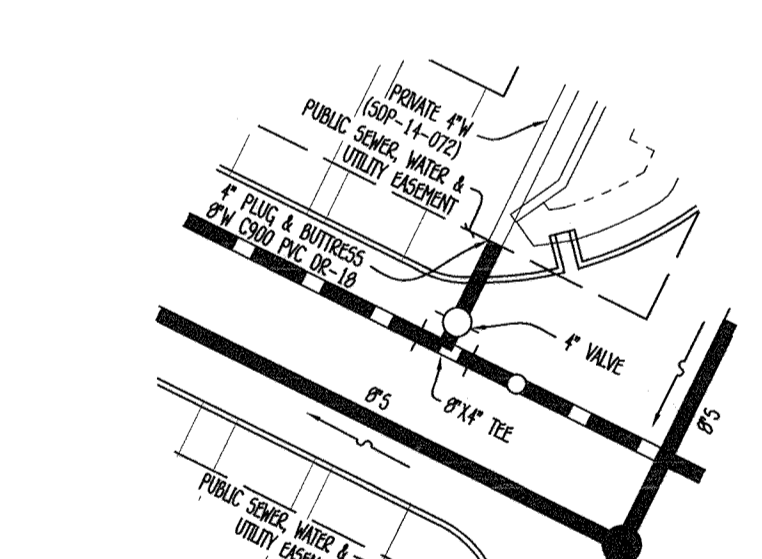
CHIEF, BUREAU OF UTILITIES [Signature] DATE 7/29/15

CHIEF, DEVELOPMENT ENGINEERING DIVISION [Signature] DATE 8/6/15



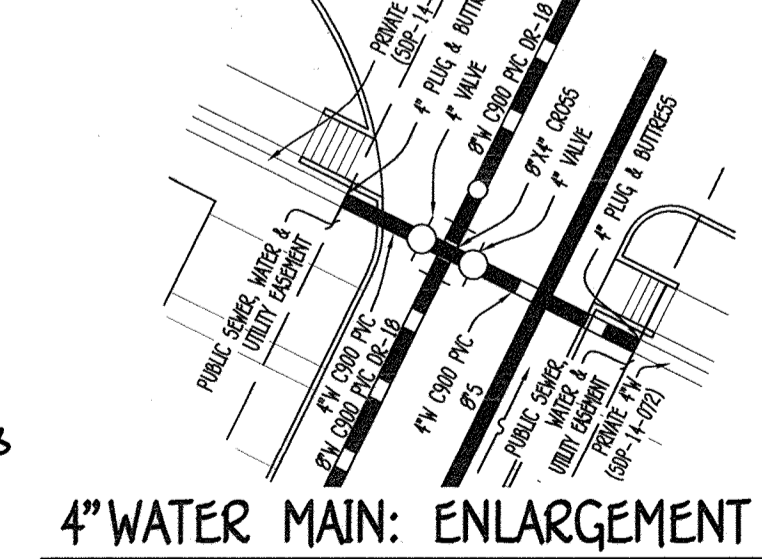
AS-BUILT

Scale: 1" = 50'



4" WATER MAIN: ENLARGEMENT

SCALE: 1" = 20'



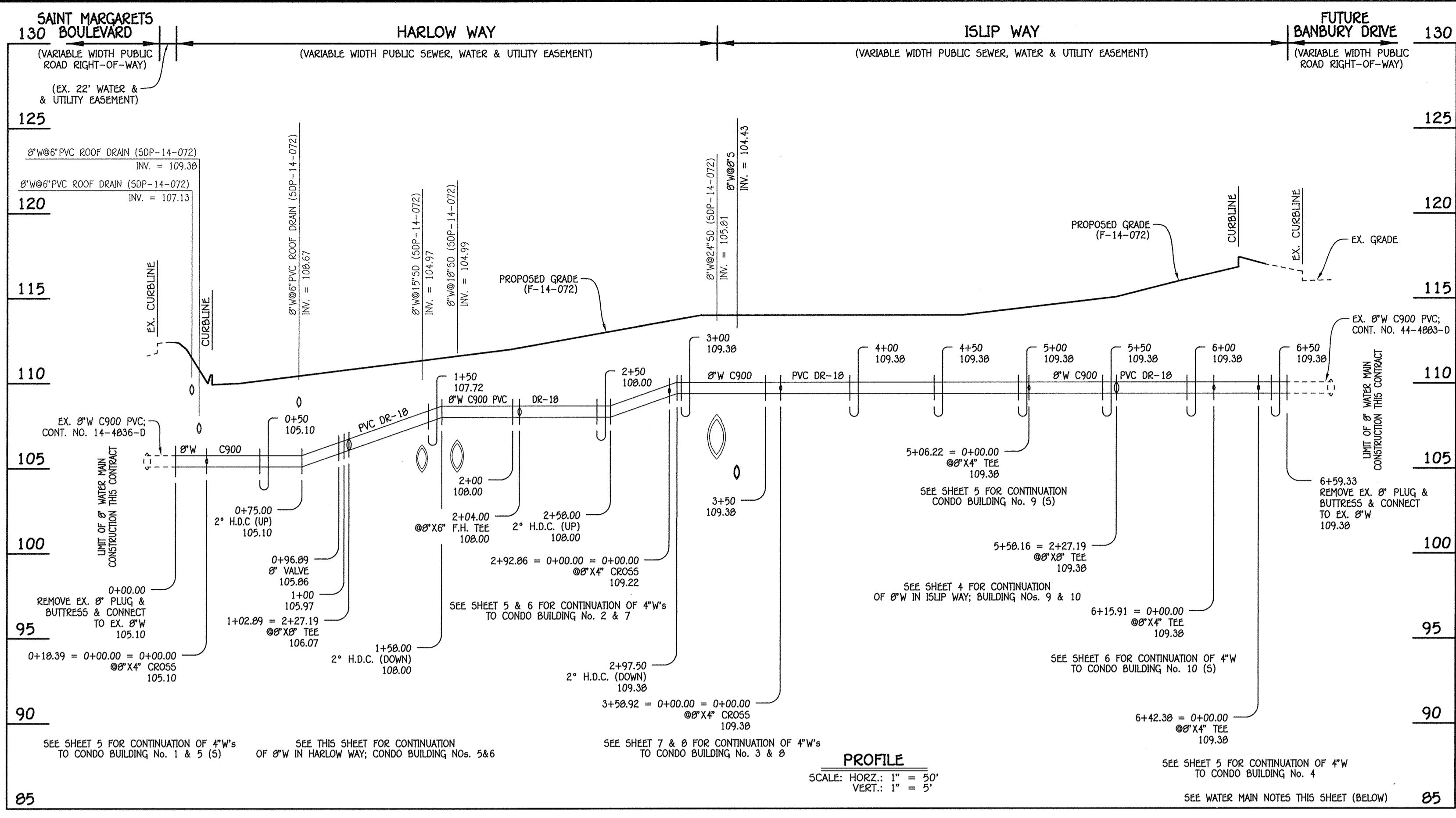
4" WATER MAIN: ENLARGEMENT

SCALE: 1" = 20'

MHC NOTE: THE DOMESTIC WATER HOUSE CONNECTIONS FOR THE FOLLOWING INDIVIDUAL CONDOMINIUM UNITS SHALL BE "SPLIT" FROM THE 4" INSIDE COMBINED FIRE / DOMESTIC WATER MAIN WITHIN THE EXTERIOR SPRINKLER ROOM & SHALL HAVE 5/8" INSIDE METER SETTINGS:

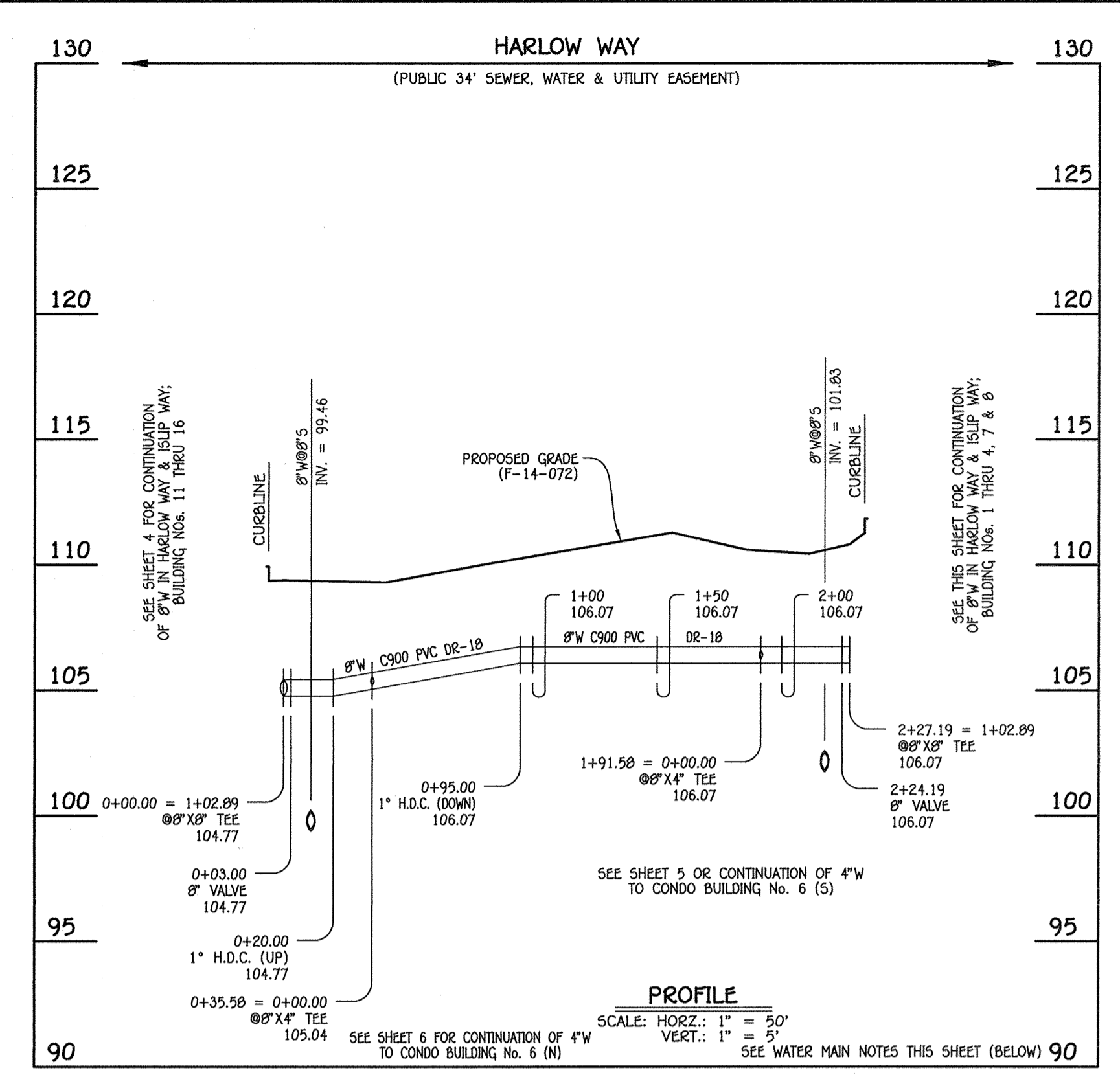
- CONDO BUILDING NO. 1: UNITS A & B
- CONDO BUILDING NO. 2: UNITS A & B
- CONDO BUILDING NO. 3: UNITS A & B
- CONDO BUILDING NO. 4: UNITS A & J
- CONDO BUILDING NO. 5: UNITS A, B, M & N
- CONDO BUILDING NO. 6: UNITS A, B, K & L
- CONDO BUILDING NO. 7: UNITS E & F
- CONDO BUILDING NO. 8: UNITS A & B
- CONDO BUILDING NO. 9: UNITS A, B, K & L
- CONDO BUILDING NO. 10: UNITS A, B, M & N
- CONDO BUILDING NO. 11: UNITS E & F
- CONDO BUILDING NO. 12: UNITS A & B
- CONDO BUILDING NO. 13: UNITS A & B
- CONDO BUILDING NO. 14: UNITS I & J
- CONDO BUILDING NO. 15: UNITS I & J
- CONDO BUILDING NO. 16: UNITS A & B

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>[Signature]</i> CHIEF, BUREAU OF UTILITIES</p>	<p>DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND</p> <p><i>[Signature]</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. 12243 EXPIRATION DATE IS 7/16/16.</p> <p>FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 10727 BALTIMORE NATIONAL PIKE ELLSWORTH CITY, MARYLAND 21042 (410) 461-2899</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: JULY, 2015</p>	<p>WATER & SEWER MAIN EXTENSIONS PLAN & 4" WATER MAIN: ENLARGEMENT</p> <p>600' SCALE MAP NO. 30 BLOCK NO. 19 & 20 F.C.C. WORK ORDER NO. 0914-3010</p> <p>FILE NAME: WATER & SEWER MAIN EXTENSION PLAN</p>	<p>OXFORD SQUARE: EXETER PARK CONDOMINIUM BUILDING NOS. 1 THRU 16 WATER & SEWER MAIN EXTENSIONS CONTRACT NO. 14-4860-0 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> <p>SCALE AS SHOWN</p> <p>SHEET 2 OF 12</p>
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8" WATER MAIN: HARLOW WAY & ISLIP WAY; BUILDING NOS. 1 THRU 4, 7 & 8

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: HARLOW WAY & ISLIP WAY; BUILDING NOS. 1 THRU 4, 7 & 8			
0+00.00	EX. 8" PLUG & BUTTRESS	552629.53	1386239.20
0+18.39 = 0+00.00 = 0+00.00	8" X 4" CROSS	552646.03	1386247.34
0+96.89	8" VALVE	552716.42	1386282.07
1+02.89 = 2+27.19	8" X 8" TEE	552721.80	1386284.72
2+04.00	8" X 6" F.H. TEE	552812.48	1386329.46
2+92.86 = 0+00.00 = 0+00.00	8" X 4" CROSS	552892.17	1386368.78
3+58.92 = 0+00.00 = 0+00.00	8" X 4" CROSS	552951.41	1386398.01
5+06.22 = 0+00.00	8" X 4" TEE	553083.50	1386463.18
5+58.16 = 2+27.19	8" X 8" TEE	553130.08	1386486.16
6+15.91 = 0+00.00	8" X 4" TEE	553181.88	1386511.72
6+42.38 = 0+00.00	8" X 4" TEE	553205.61	1386523.43
6+59.33	8" PLUG & BUTTRESS	553220.81	1386530.93



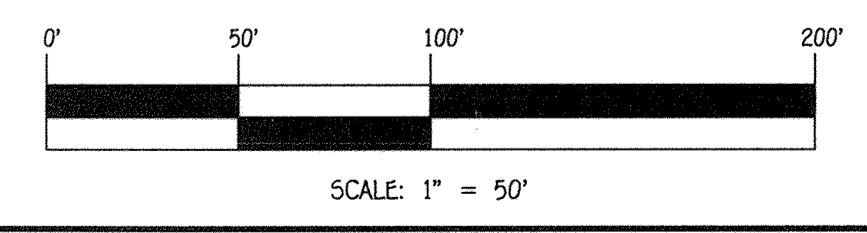
8" WATER MAIN: HARLOW WAY; BUILDING NOS. 5 & 6

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: HARLOW WAY; BUILDING NOS. 5 & 6			
0+00.00	8" X 8" TEE	552822.32	1386280.99
0+03.00	8" VALVE	552821.00	1386283.68
0+35.58 = 0+00.00	8" X 4" TEE	552806.58	1386112.90
1+91.58 = 0+00.00	8" X 4" TEE	552737.55	1386252.79
2+24.19	8" VALVE	552723.13	1386282.03
2+27.19	8" X 8" TEE	552721.80	1386284.72

AS-BUILT

DATE 12/3/18

- WATER MAIN NOTES:**
- ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE; DR-18.
 - 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.
 - DEFLECTION COUPLINGS SHALL BE CERTAIN-TEED PVC HIGH DEFLECTION COUPLINGS.
 - ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.

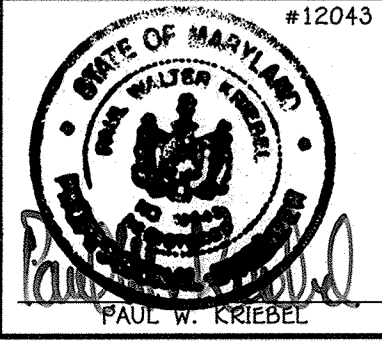


CONTRACT NO. 14-4860-D
 OXFORD SQUARE: EXETER PARK
 CONDOMINIUM BUILDING
 NOS. 1 THRU 16
 WATER & SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 CHIEF, BUREAU OF UTILITIES
 DATE 7/28/18

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 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 IS 7/16/16.
FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL FIRE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2899

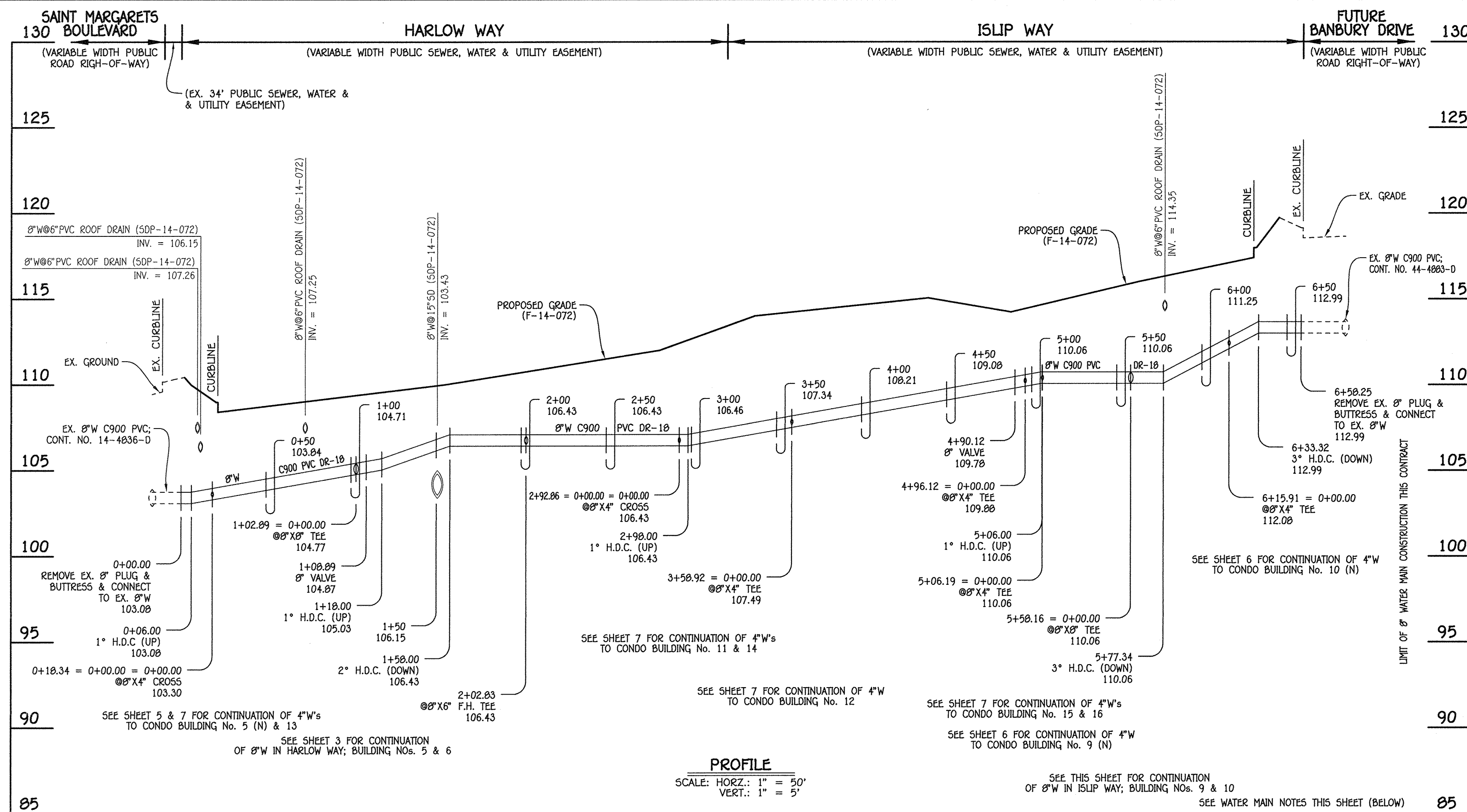


DESIGNED BY: B.C.R.
 DRAWN BY: B.C.R.
 CHECKED BY: P.W.K.
 DATE: JULY, 2015
 BY NO. REVISION

**WATER MAIN EXTENSIONS
 PROFILES, NOTES & CHARTS**
 600' SCALE MAP NO. 38 BLOCK NO. 19 & 20
 F.C.C. WORK ORDER NO. 0914-3010
 FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

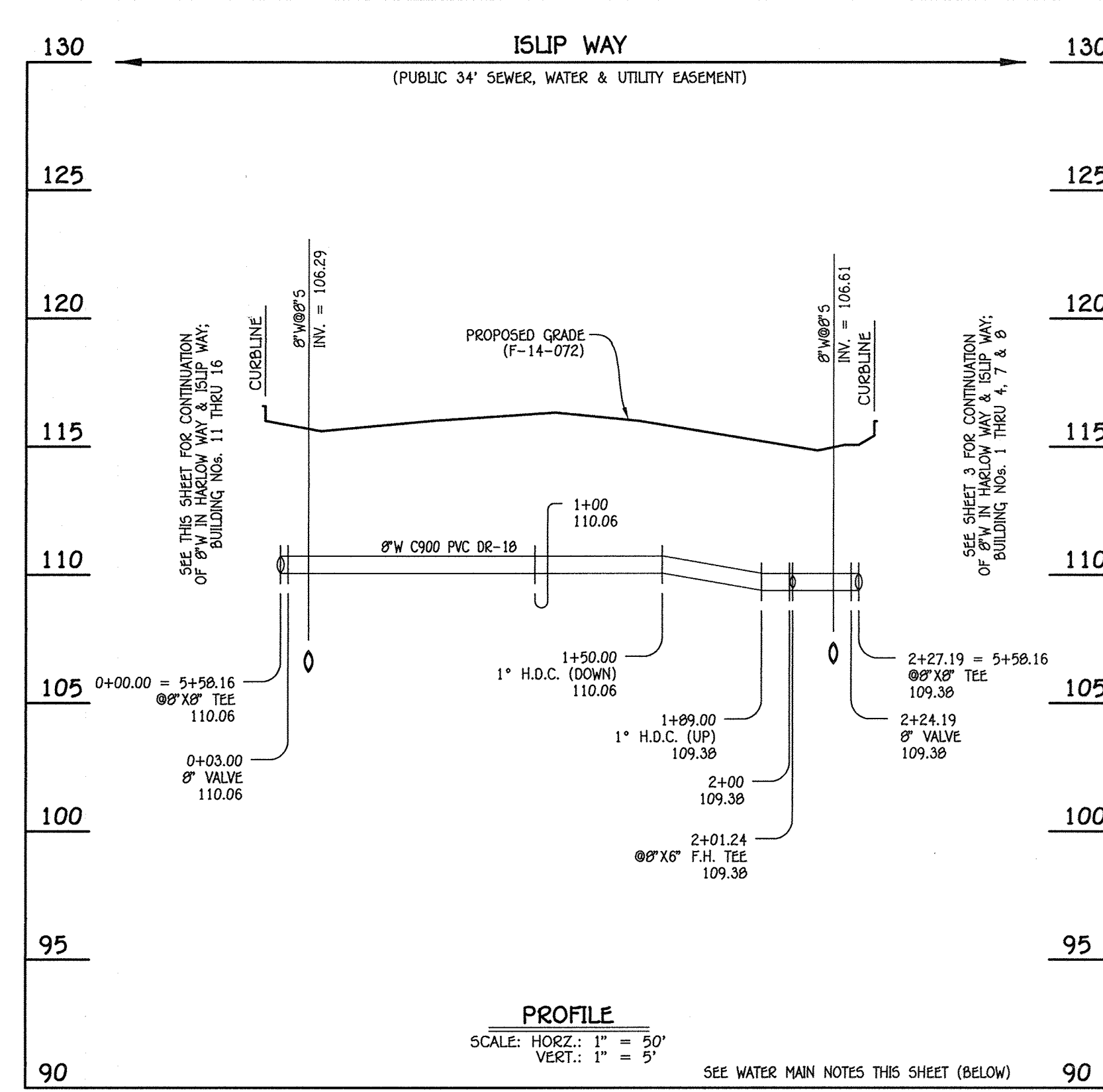
OXFORD SQUARE: EXETER PARK
 CONDOMINIUM BUILDING
 NOS. 1 THRU 16
 WATER & SEWER MAIN EXTENSIONS
 CONTRACT NO. 14-4860-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 3 OF 12



8" WATER MAIN: HARLOW WAY & ISLIP WAY; BUILDING NOS. 11 THRU 16

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: HARLOW WAY & ISLIP WAY; BUILDING NOS. 11 THRU 16			
0+00.00	EX. 8" PLUG & BUTTRESS	552730.06	1306035.46
0+18.34 = 0+00.00 = 0+00.00	8" X 4" CROSS	552746.50	1306043.50
1+02.89 = 0+00.00	8" X 8" TEE	552822.32	1306080.90
1+08.89	8" VALVE	552827.70	1306083.64
2+02.83	8" X 6" F.H. TEE	552911.97	1306125.22
2+92.86 = 0+00.00 = 0+00.00	8" X 4" CROSS	552992.69	1306165.04
3+50.92 = 0+00.00	8" X 4" TEE	553051.93	1306194.27
4+90.12	8" VALVE	553169.59	1306252.32
4+96.12 = 0+00.00	8" X 4" TEE	553174.97	1306254.98
5+06.19 = 0+00.00	8" X 4" TEE	553184.00	1306259.44
5+58.16 = 0+00.00	8" X 8" TEE	553230.60	1306282.43
6+15.91 = 0+00.00	8" X 4" TEE	553282.40	1306307.98
6+58.25	8" PLUG & BUTTRESS	553320.37	1306326.72



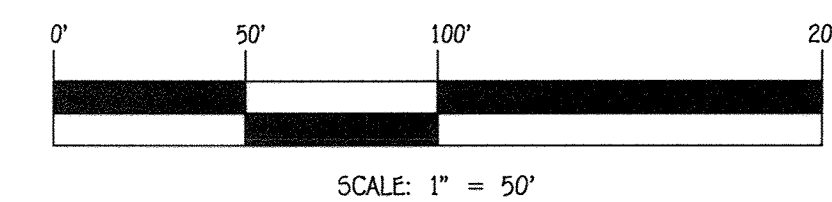
8" WATER MAIN: ISLIP WAY; BUILDING NOS. 9 & 10

W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: ISLIP WAY; BUILDING NOS. 9 & 10			
0+00.00	8" X 8" TEE	553230.60	1306282.43
0+03.00	8" VALVE	553229.28	1306285.12
2+01.24	8" X 6" F.H. TEE	553141.56	1306462.89
2+24.19	8" VALVE	553131.41	1306483.48
2+27.19	8" X 8" TEE	553130.08	1306486.17

AS-BUILT

1/24/15

- WATER MAIN NOTES:**
- ALL WATER MAINS SHALL BE AWWA C900 PVC PIPE; DR-18.
 - 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.
 - DEFLECTION COUPLINGS SHALL BE CERTAIN-TEED PVC HIGH DEFLECTION COUPLINGS.
 - ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.



CONTRACT NO. 14-4860-D
 OXFORD SQUARE: EXETER PARK
 CONDOMINIUM BUILDING
 NOS. 1 THRU 16
 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 IS 7/15/16.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2899



DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	JULY, 2015
BY NO.	
REVISION	

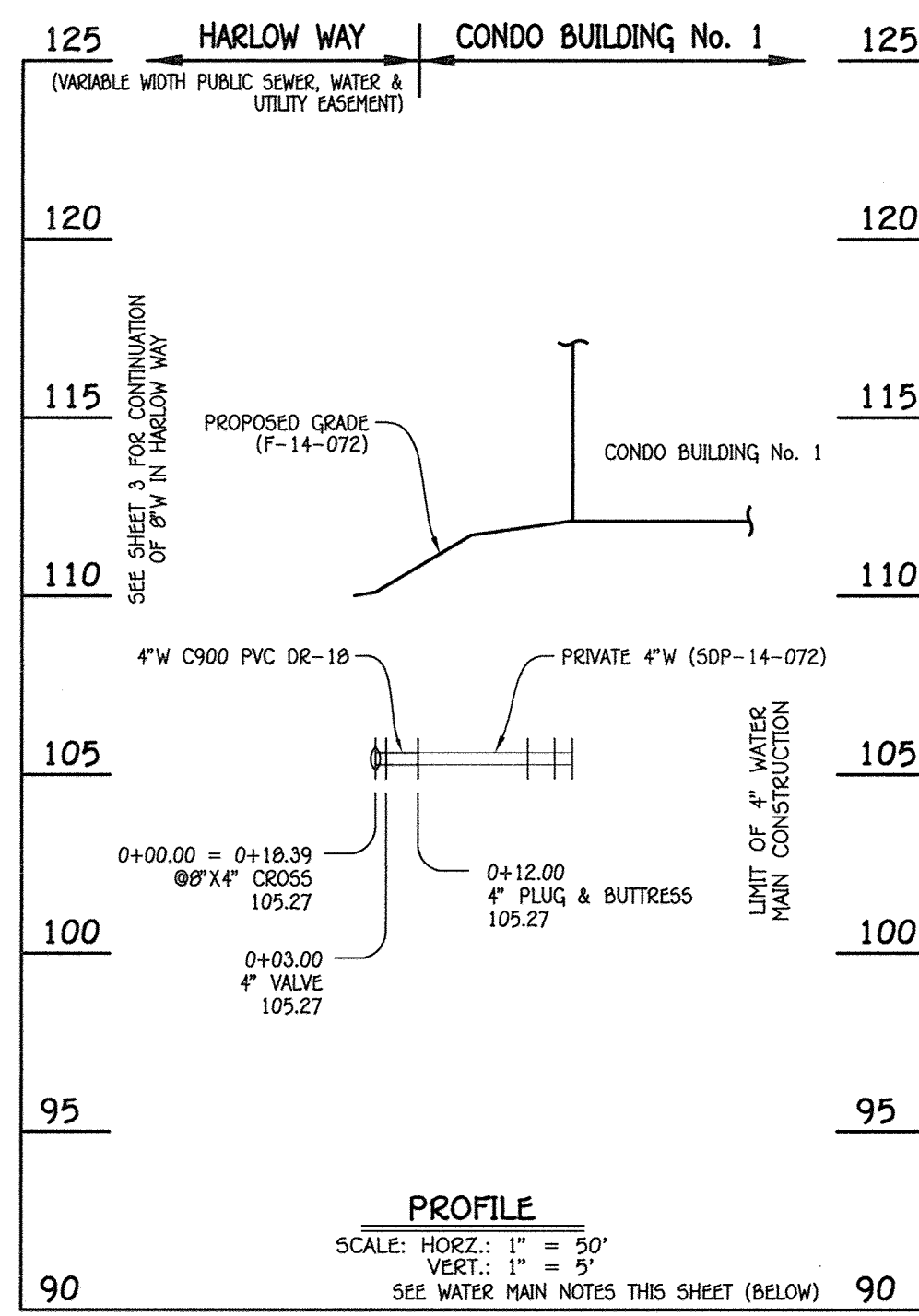
**WATER MAIN EXTENSIONS
 PROFILES, NOTES & CHARTS**

600' SCALE MAP NO. 38 BLOCK NO. 19 & 20
 F.C.C. WORK ORDER NO. 0914-3010
 FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

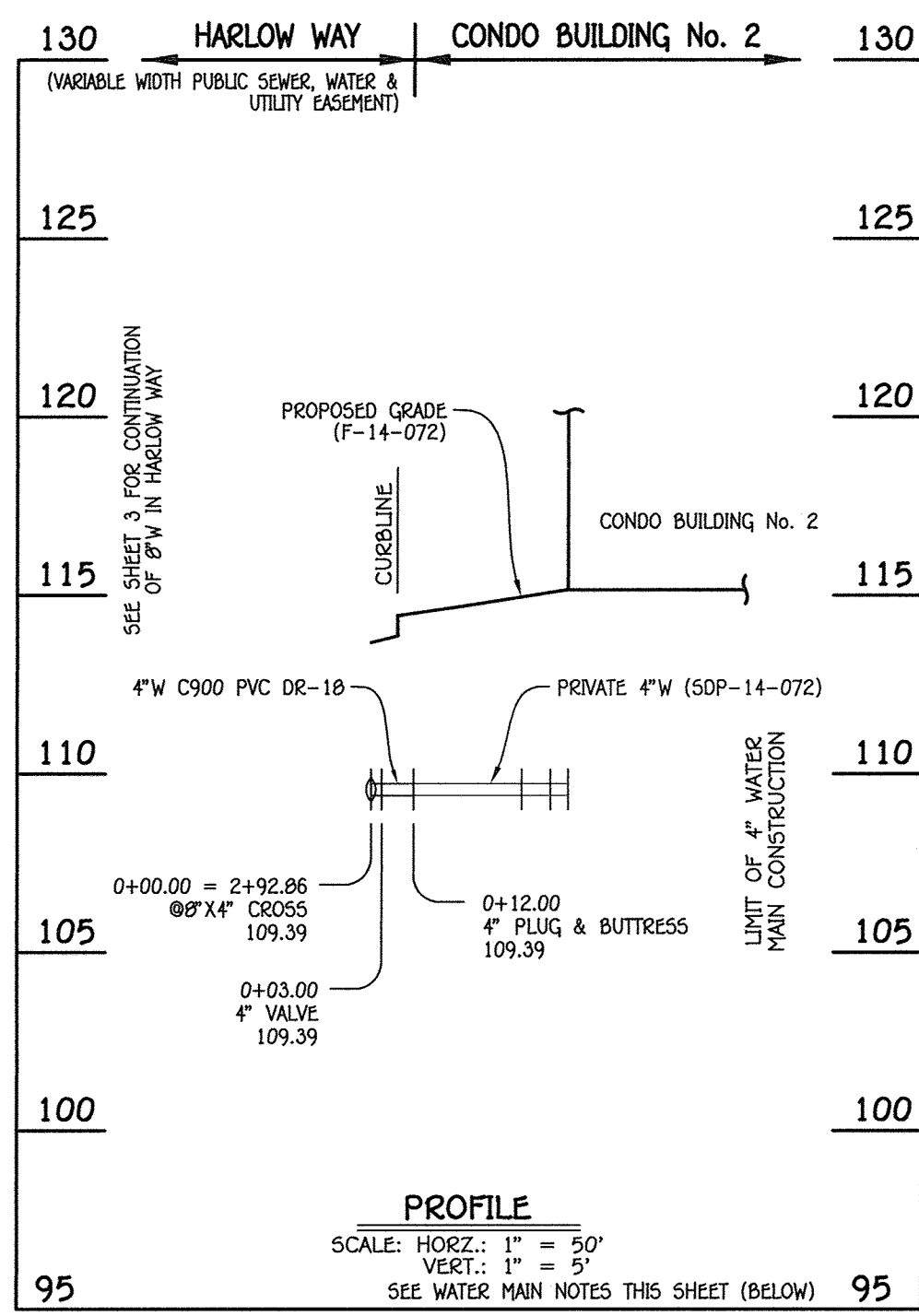
**OXFORD SQUARE: EXETER PARK
 CONDOMINIUM BUILDING
 NOS. 1 THRU 16
 WATER & SEWER MAIN EXTENSIONS
 CONTRACT NO. 14-4860-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND**

SCALE
 AS
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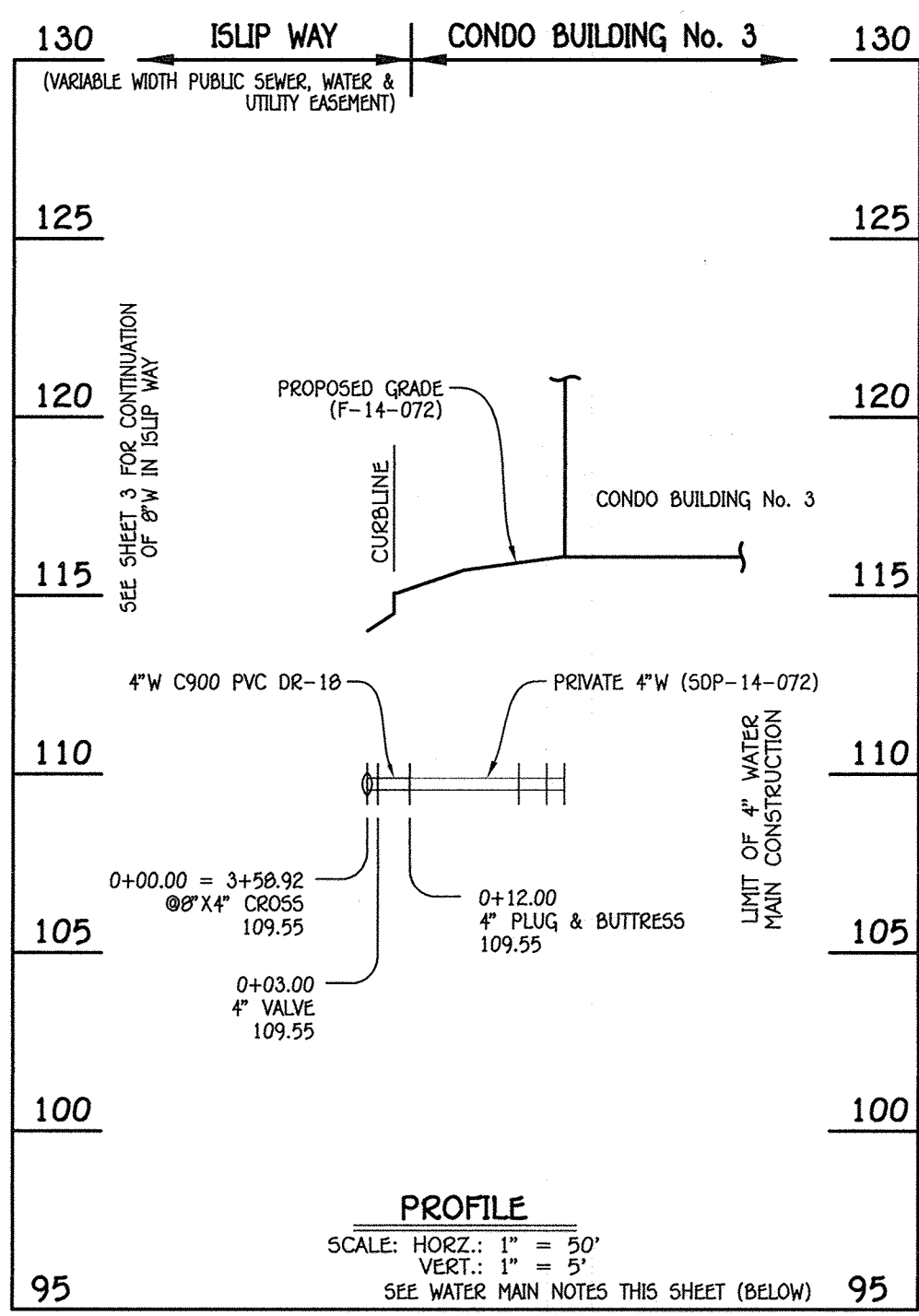
SHEET
 4 OF 12



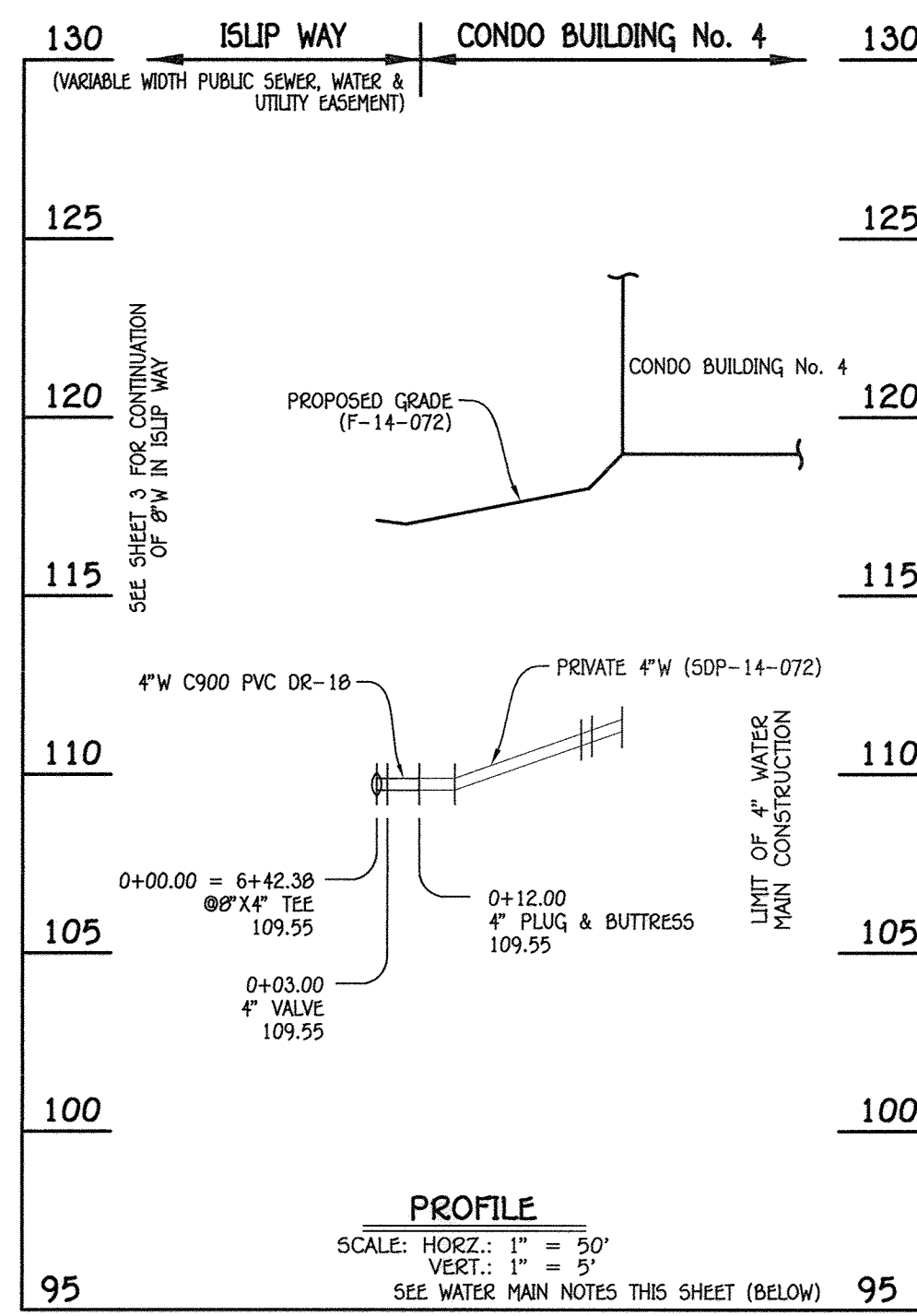
4" WATER MAIN: CONDO BUILDING No. 1



4" WATER MAIN: CONDO BUILDING No. 2



4" WATER MAIN: CONDO BUILDING No. 3



4" WATER MAIN: CONDO BUILDING No. 4

WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 1			
0+00.00 = 0+10.39	8"X4" CROSS	552646.03	1386247.34
0+03.00	4" VALVE	552644.70	1386250.03
0+12.00	4" PLUG & BUTTRESS	552640.72	1386250.10

WATER MAIN TABULATION CHART

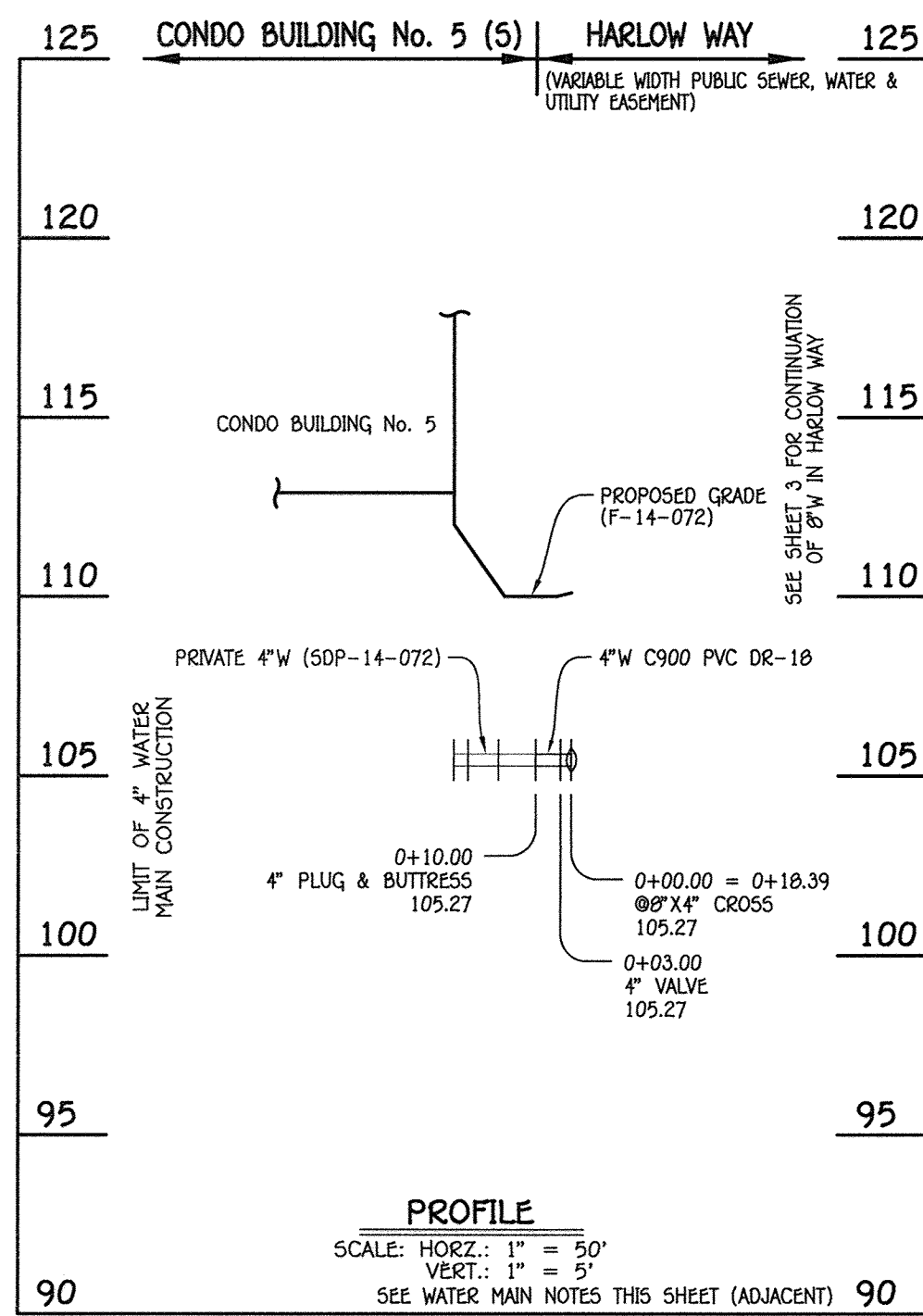
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 2			
0+00.00 = 2+92.86	8"X4" CROSS	552892.17	1386368.78
0+03.00	4" VALVE	552890.85	1386371.47
0+12.00	4" PLUG & BUTTRESS	552886.86	1386379.54

WATER MAIN TABULATION CHART

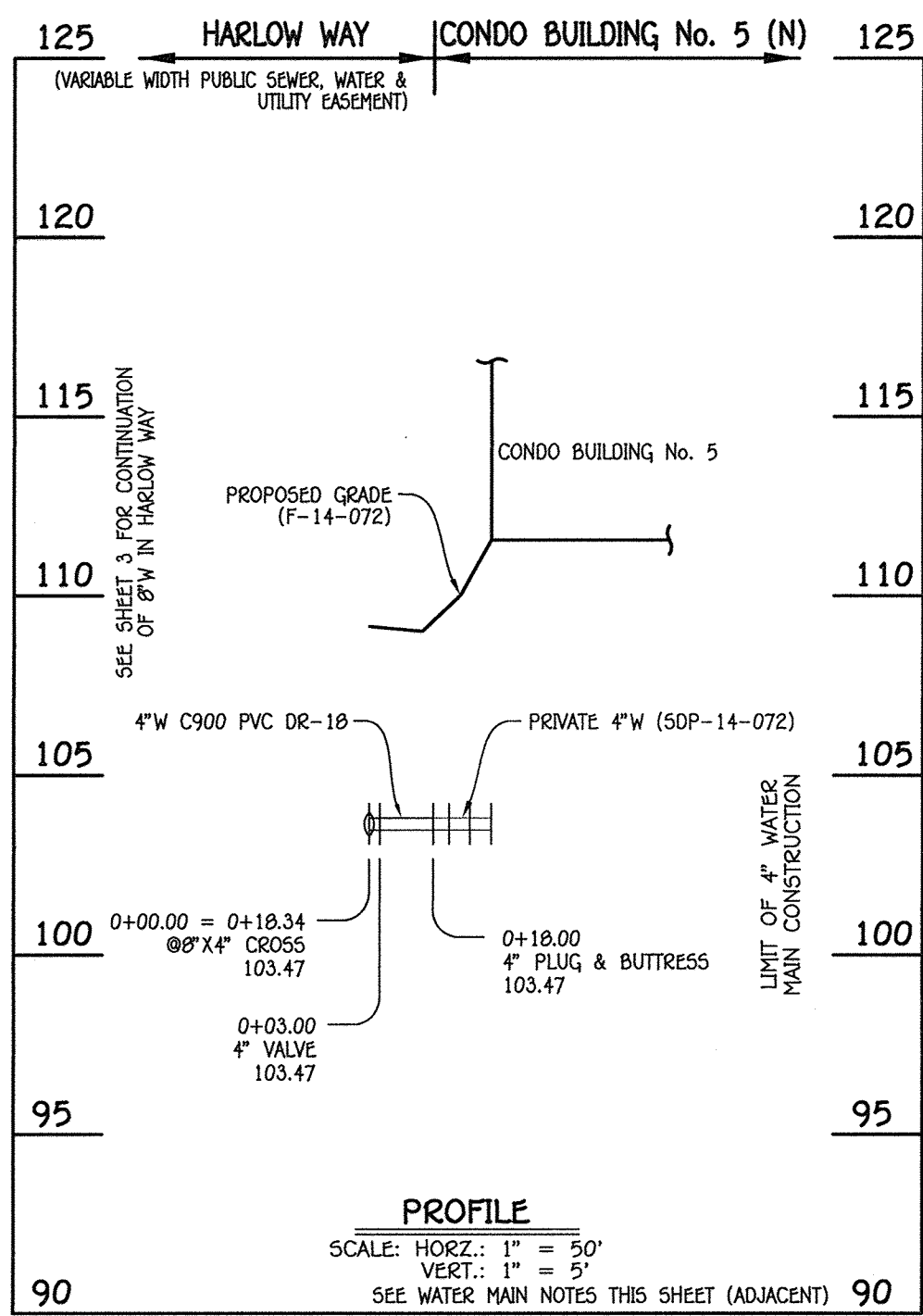
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 3			
0+00.00 = 3+58.92	8"X4" CROSS	552951.41	1386398.01
0+03.00	4" VALVE	552950.08	1386400.70
0+12.00	4" PLUG & BUTTRESS	552946.10	1386408.77

WATER MAIN TABULATION CHART

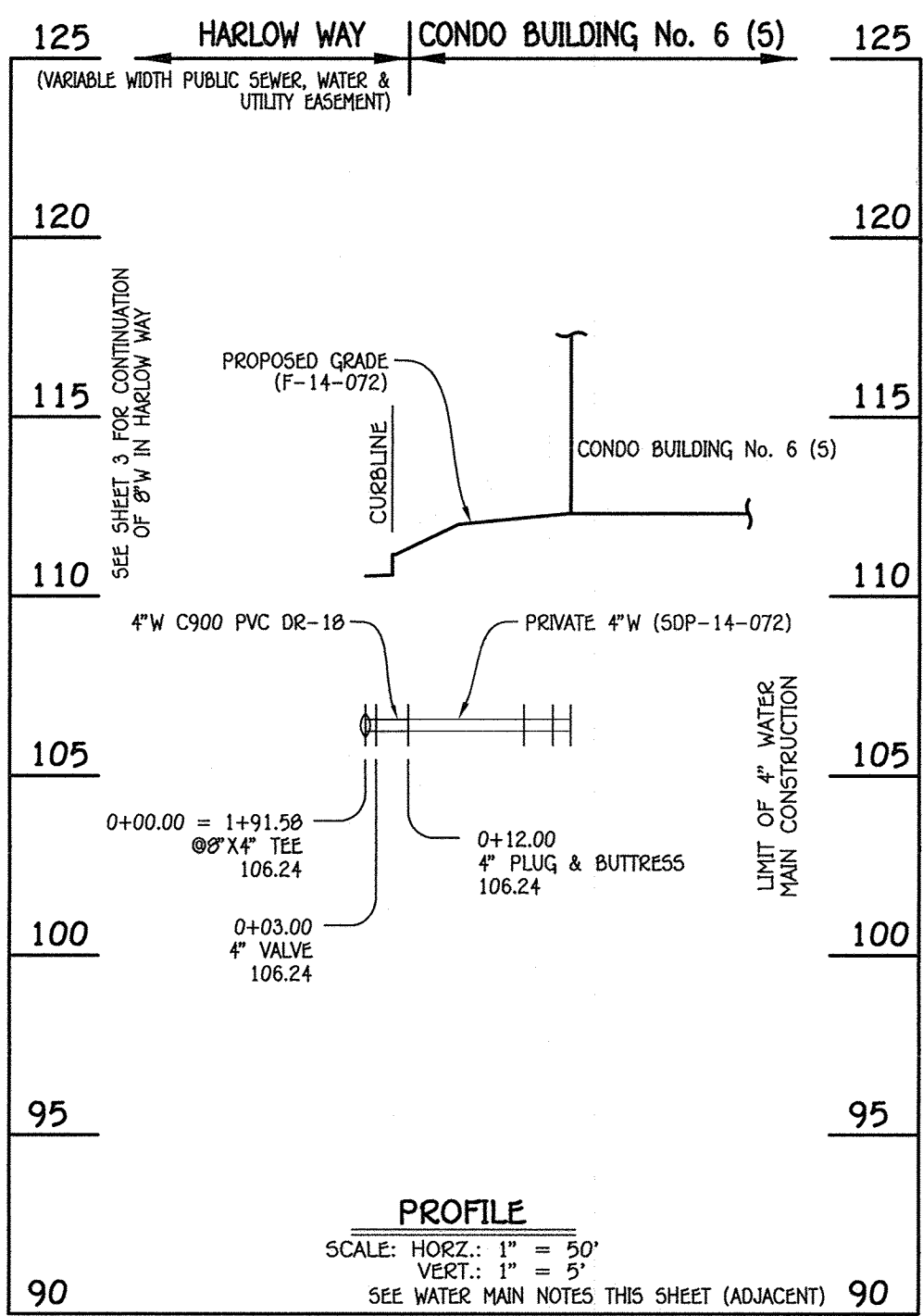
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 4			
0+00.00 = 6+42.38	8"X4" TEE	553205.61	1386523.43
0+03.00	4" VALVE	553204.29	1386526.12
0+12.00	4" PLUG & BUTTRESS	553200.31	1386534.19



4" WATER MAIN: CONDO BUILDING No. 5 (S)



4" WATER MAIN: CONDO BUILDING No. 5 (N)



4" WATER MAIN: CONDO BUILDING No. 6 (S)

WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 5 (S)			
0+00.00 = 0+10.39	8"X4" CROSS	552646.03	1386247.34
0+03.00	4" VALVE	552647.35	1386244.65
0+10.00	4" PLUG & BUTTRESS	552650.45	1386238.37

WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 5 (N)			
0+00.00 = 0+18.34	8"X4" CROSS	552746.50	1386043.58
0+03.00	4" VALVE	552745.17	1386046.27
0+18.00	4" PLUG & BUTTRESS	552738.53	1386059.72

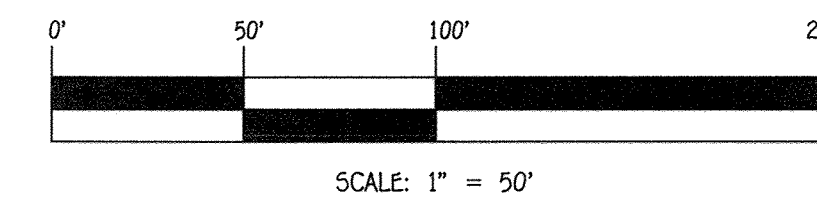
WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 6 (S)			
0+00.00 = 1+91.58	8"X4" TEE	552737.55	1386252.79
0+03.00	4" VALVE	552740.24	1386254.12
0+12.00	4" PLUG & BUTTRESS	552748.32	1386258.10

AS-BUILT

Date 12/3/18

- 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.

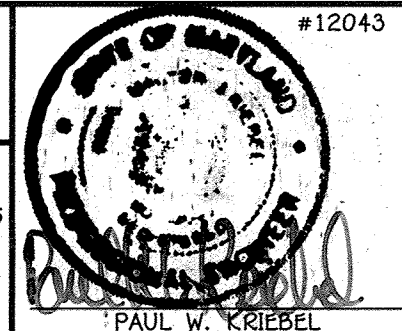


CONTRACT NO. 14-4860-D
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

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DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	JULY, 2015
BY NO.	
REVISION	
DATE	

WATER MAIN EXTENSIONS
PROFILES, NOTES & CHARTS

600' SCALE MAP NO. 38 BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 0914-3010
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN

SHEET
5 OF 12

DATE 7/26/18

DATE 7/26/18

DATE 7/26/18

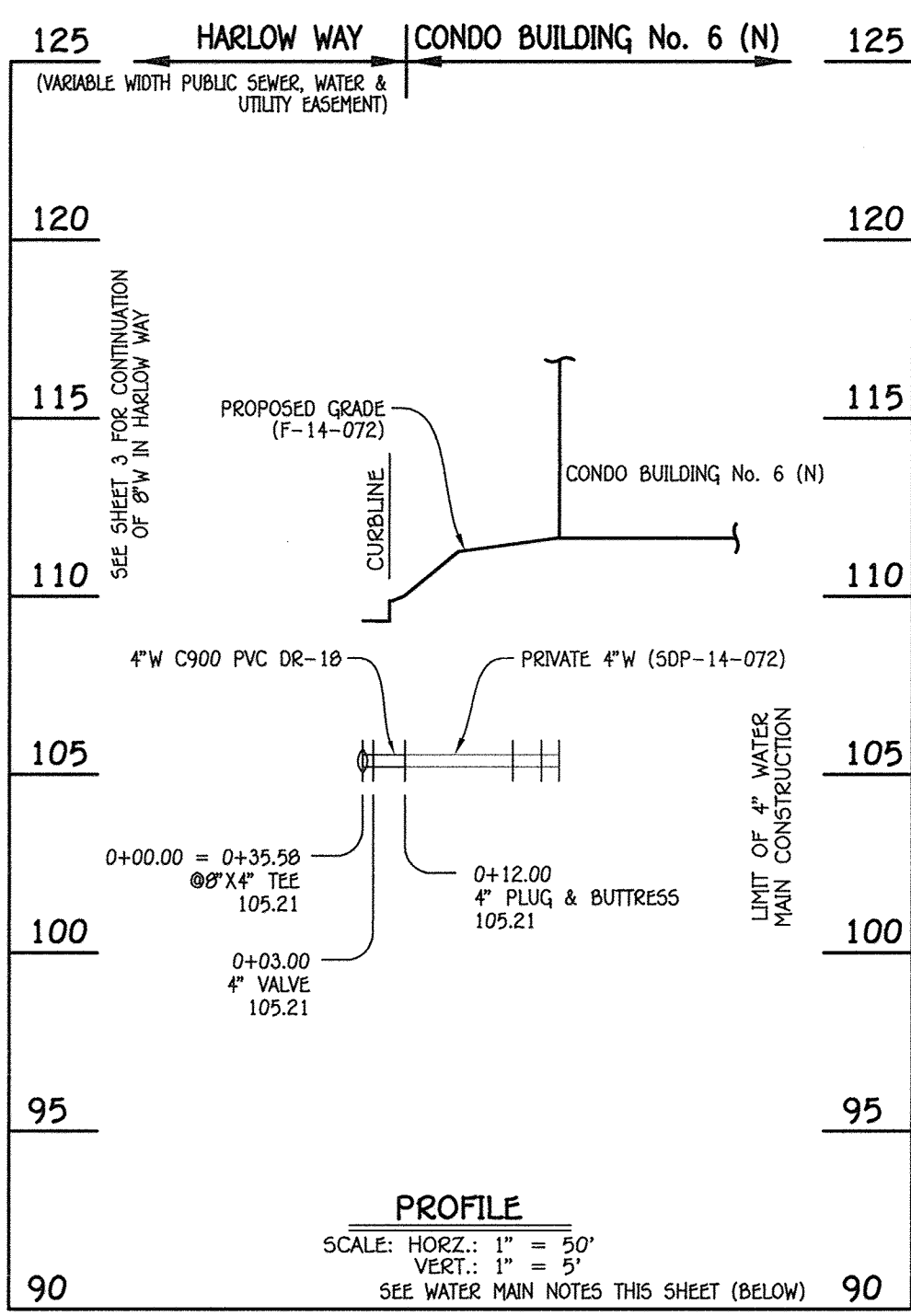
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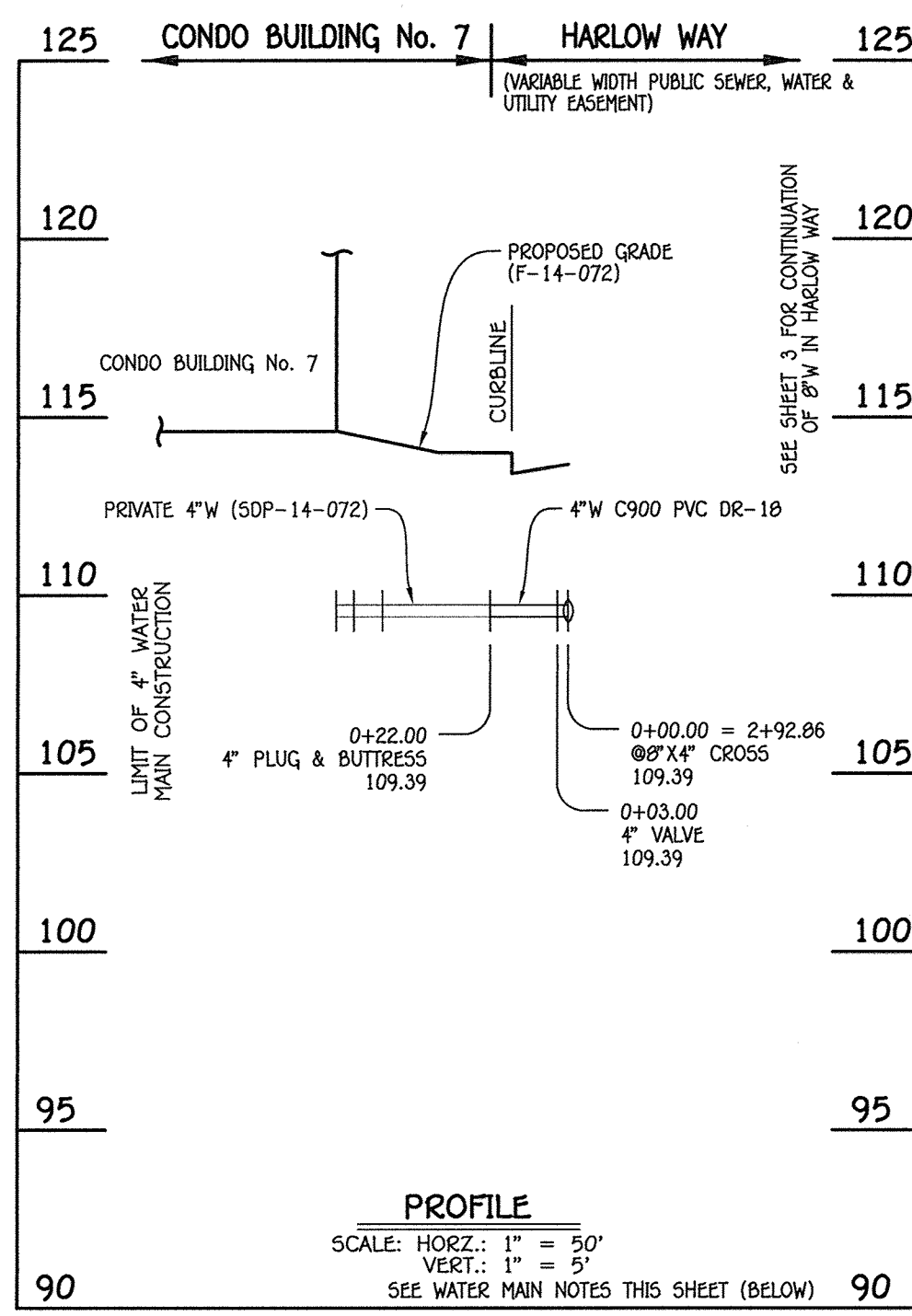
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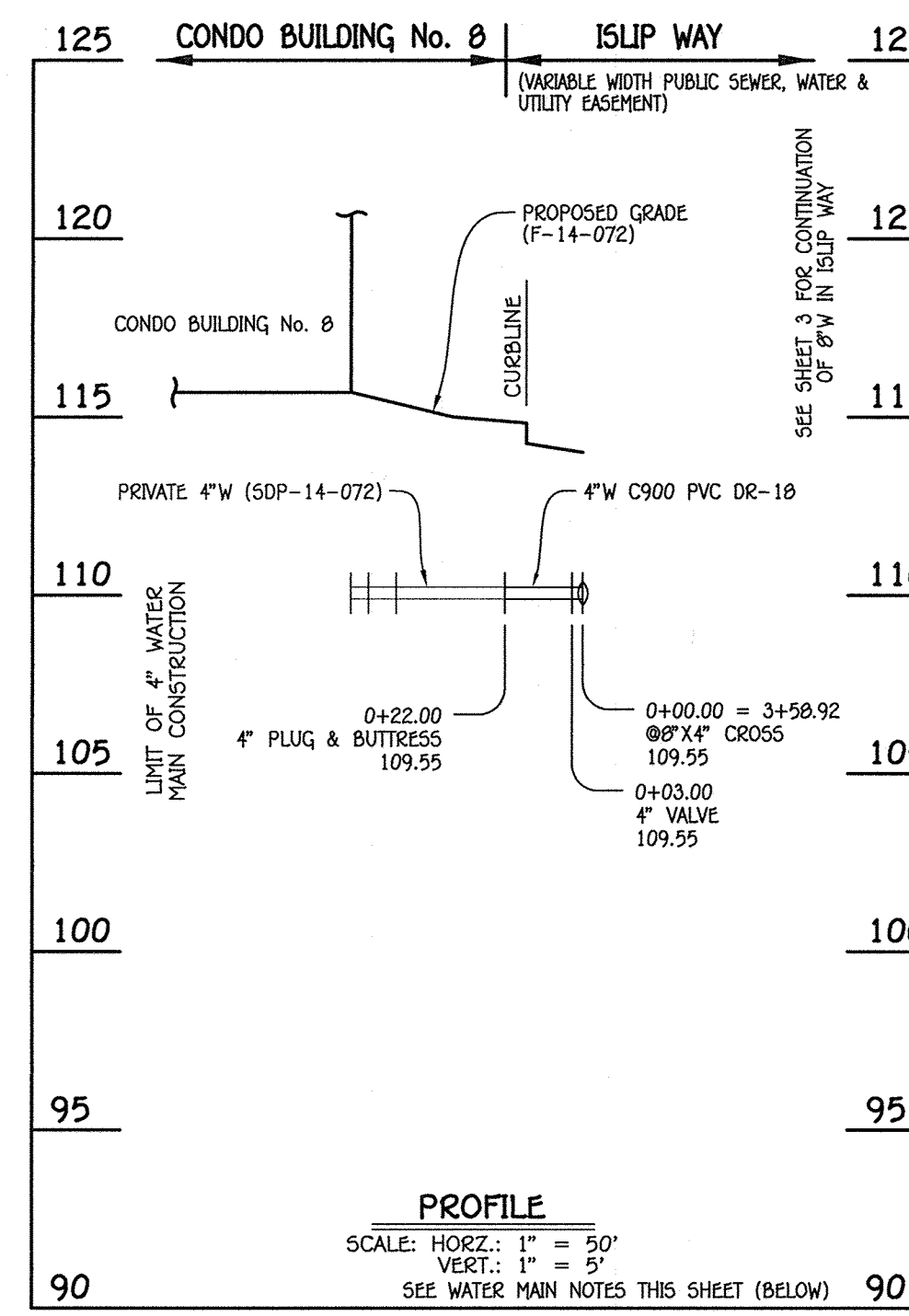
DATE 7/26/18



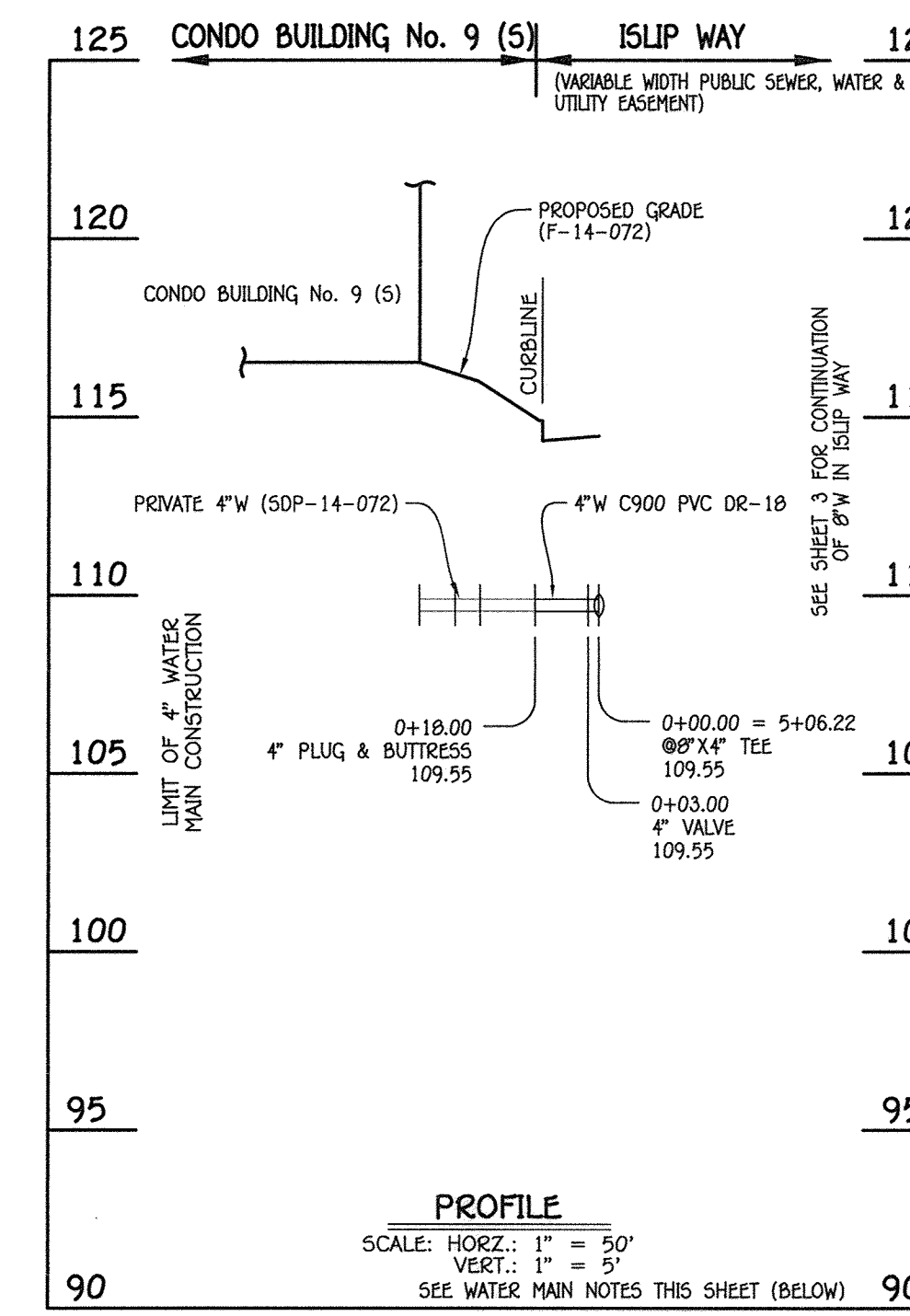
4" WATER MAIN: CONDO BUILDING No. 6 (N)



4" WATER MAIN: CONDO BUILDING No. 7



4" WATER MAIN: CONDO BUILDING No. 8



4" WATER MAIN: CONDO BUILDING No. 9 (S)

WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 6 (N)			
0+00.00 = 0+35.50	8"X4" TEE	552806.50	1386112.90
0+03.00	4" VALVE	552809.27	1386114.22
0+12.00	4" PLUG & BUTTRESS	552817.34	1386110.21

WATER MAIN TABULATION CHART

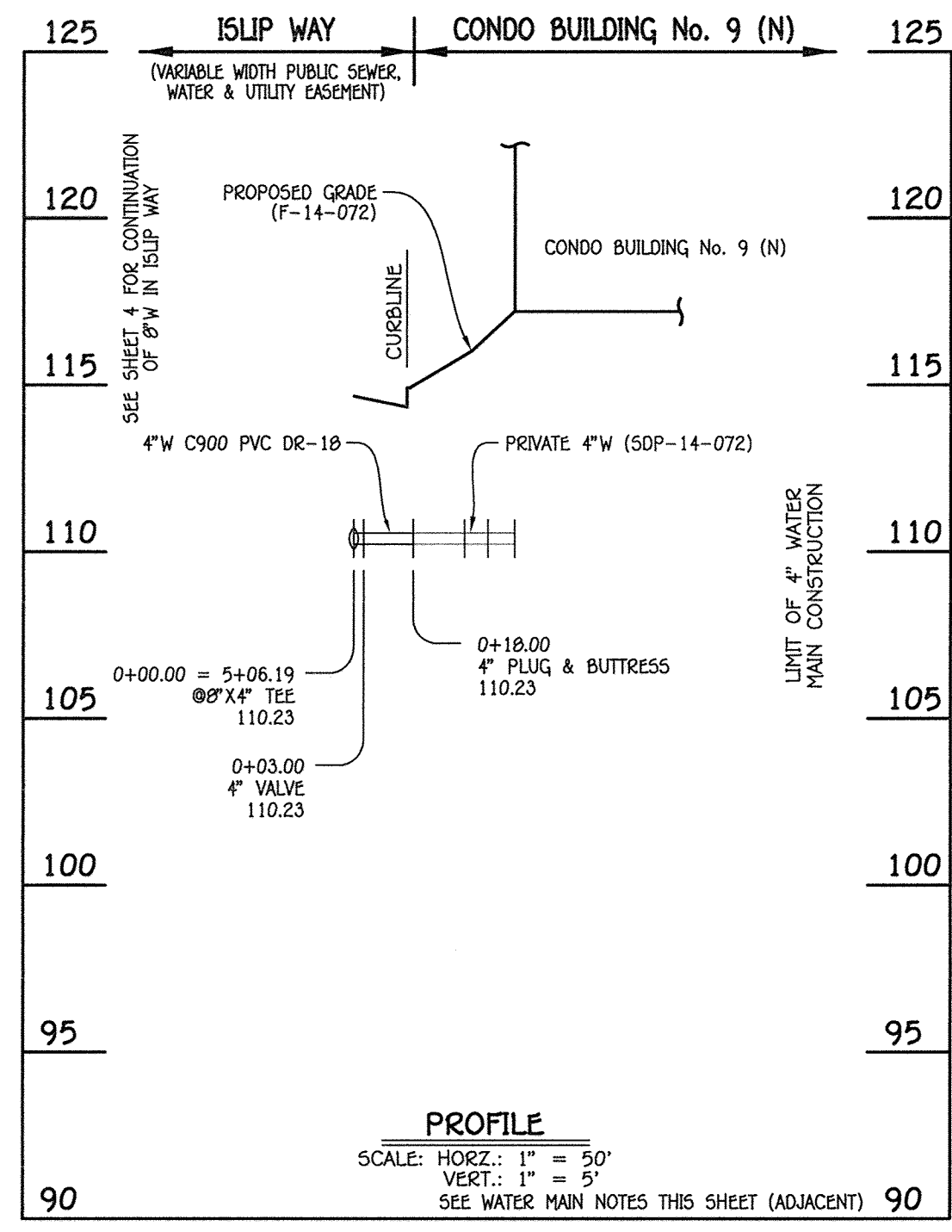
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 7			
0+00.00 = 2+92.89	8"X4" CROSS	552892.17	1386368.70
0+03.00	4" VALVE	552893.50	1386366.09
0+22.00	4" PLUG & BUTTRESS	552901.91	1386349.06

WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 8			
0+00.00 = 3+50.92	8"X4" CROSS	552951.41	1386390.01
0+03.00	4" VALVE	552952.73	1386395.32
0+22.00	4" PLUG & BUTTRESS	552961.14	1386378.28

WATER MAIN TABULATION CHART

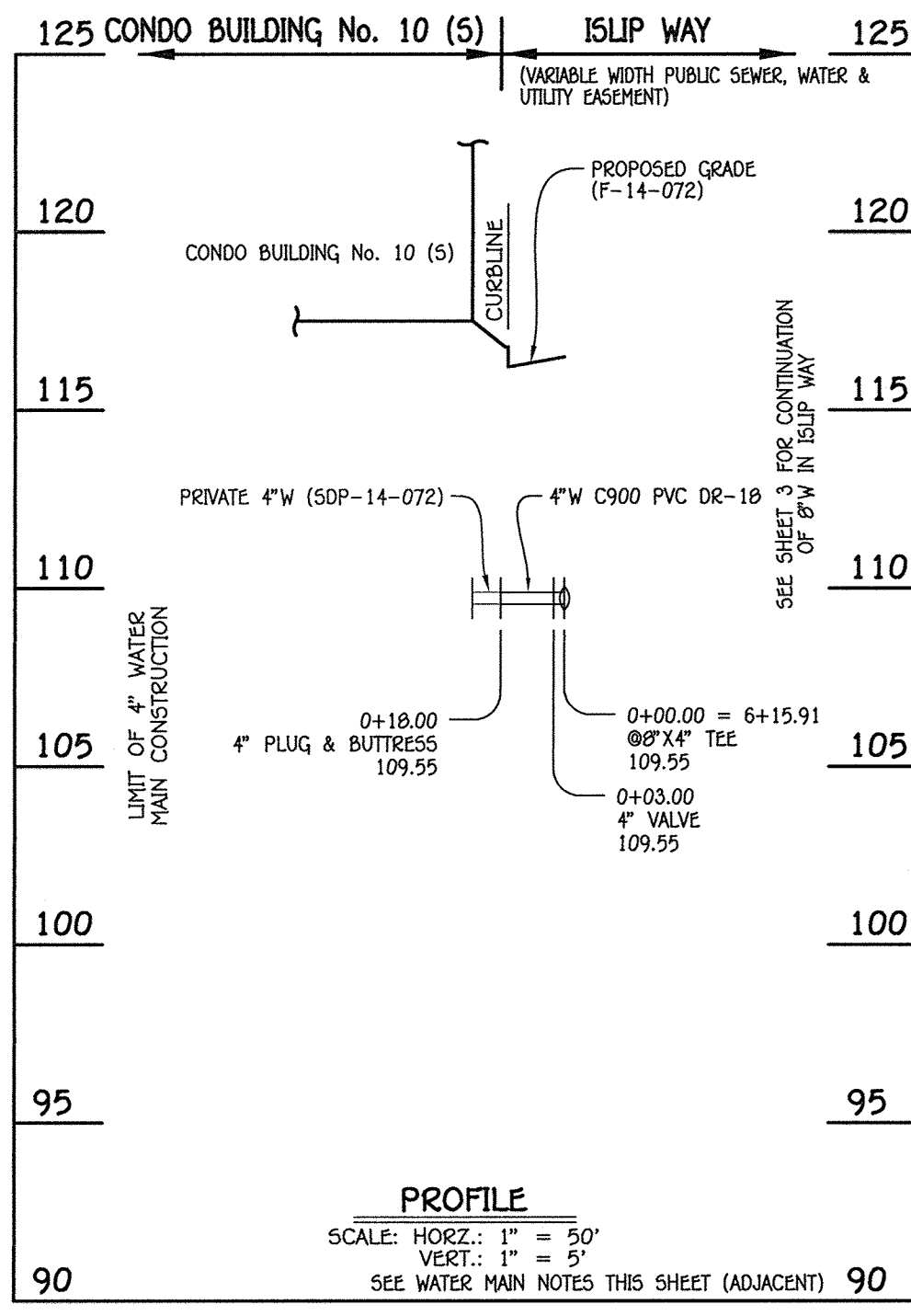
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 9 (S)			
0+00.00 = 5+06.22	8"X4" TEE	553083.50	1386463.10
0+03.00	4" VALVE	553084.83	1386460.49
0+18.00	4" PLUG & BUTTRESS	553091.47	1386447.04



4" WATER MAIN: CONDO BUILDING No. 9 (N)

WATER MAIN TABULATION CHART

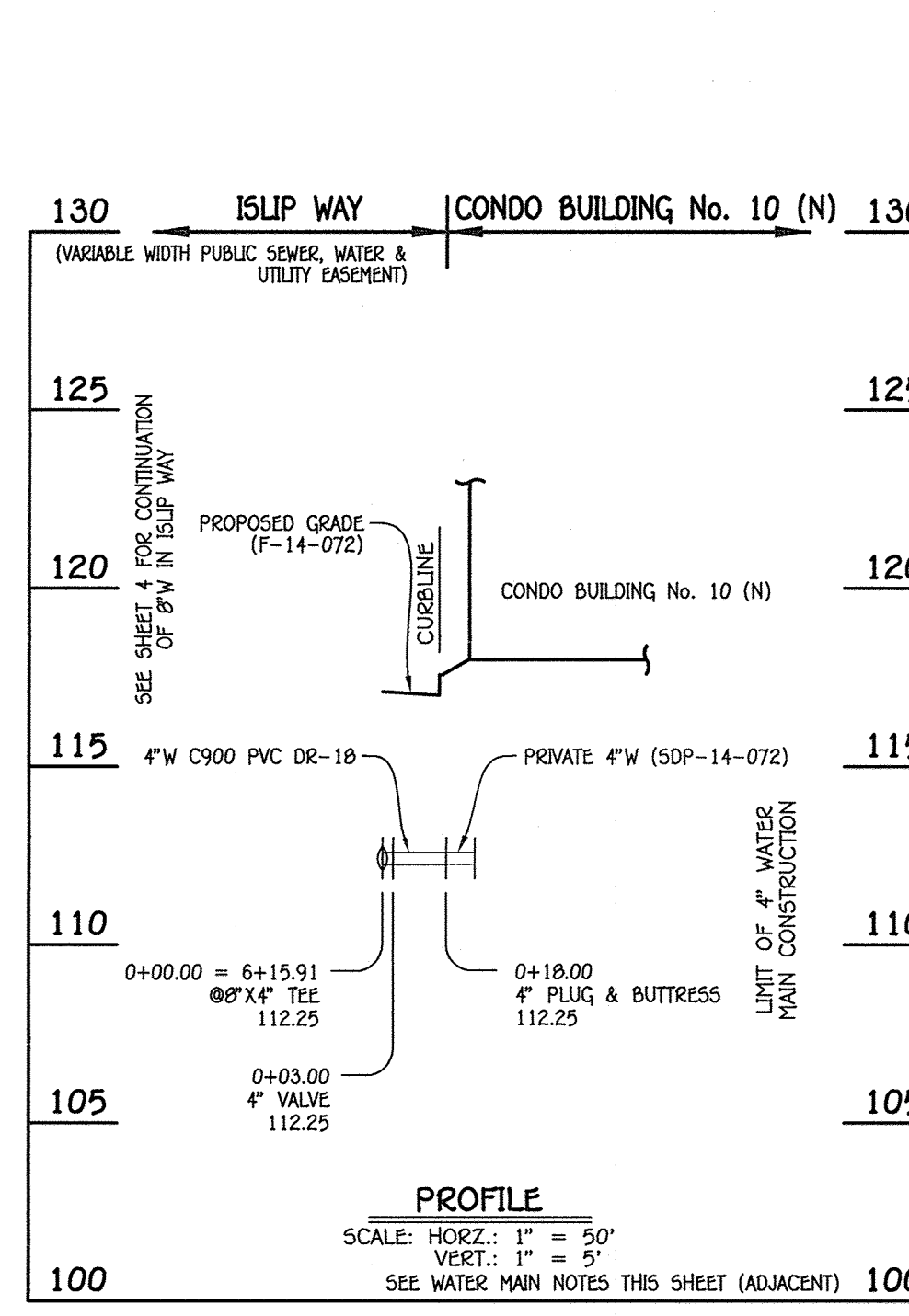
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 9 (N)			
0+00.00 = 5+06.19	8"X4" TEE	553184.00	1386259.44
0+03.00	4" VALVE	553182.68	1386262.13
0+18.00	4" PLUG & BUTTRESS	553176.04	1386275.50



4" WATER MAIN: CONDO BUILDING No. 10 (S)

WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 10 (S)			
0+00.00 = 6+15.91	8"X4" TEE	553181.80	1386511.72
0+03.00	4" VALVE	553183.20	1386509.03
0+18.00	4" PLUG & BUTTRESS	553189.84	1386495.50



4" WATER MAIN: CONDO BUILDING No. 10 (N)

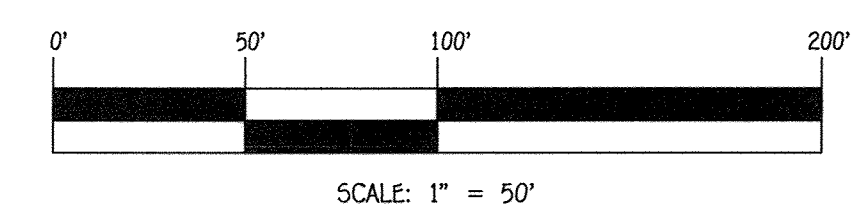
WATER MAIN TABULATION CHART

W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 10 (N)			
0+00.00 = 6+15.91	8"X4" TEE	553282.40	1386307.98
0+03.00	4" VALVE	553281.07	1386310.67
0+18.00	4" PLUG & BUTTRESS	553274.43	1386324.12

AS-BUILT

Jan 12/3/18

- 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.



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Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
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HOWARD COUNTY, MARYLAND

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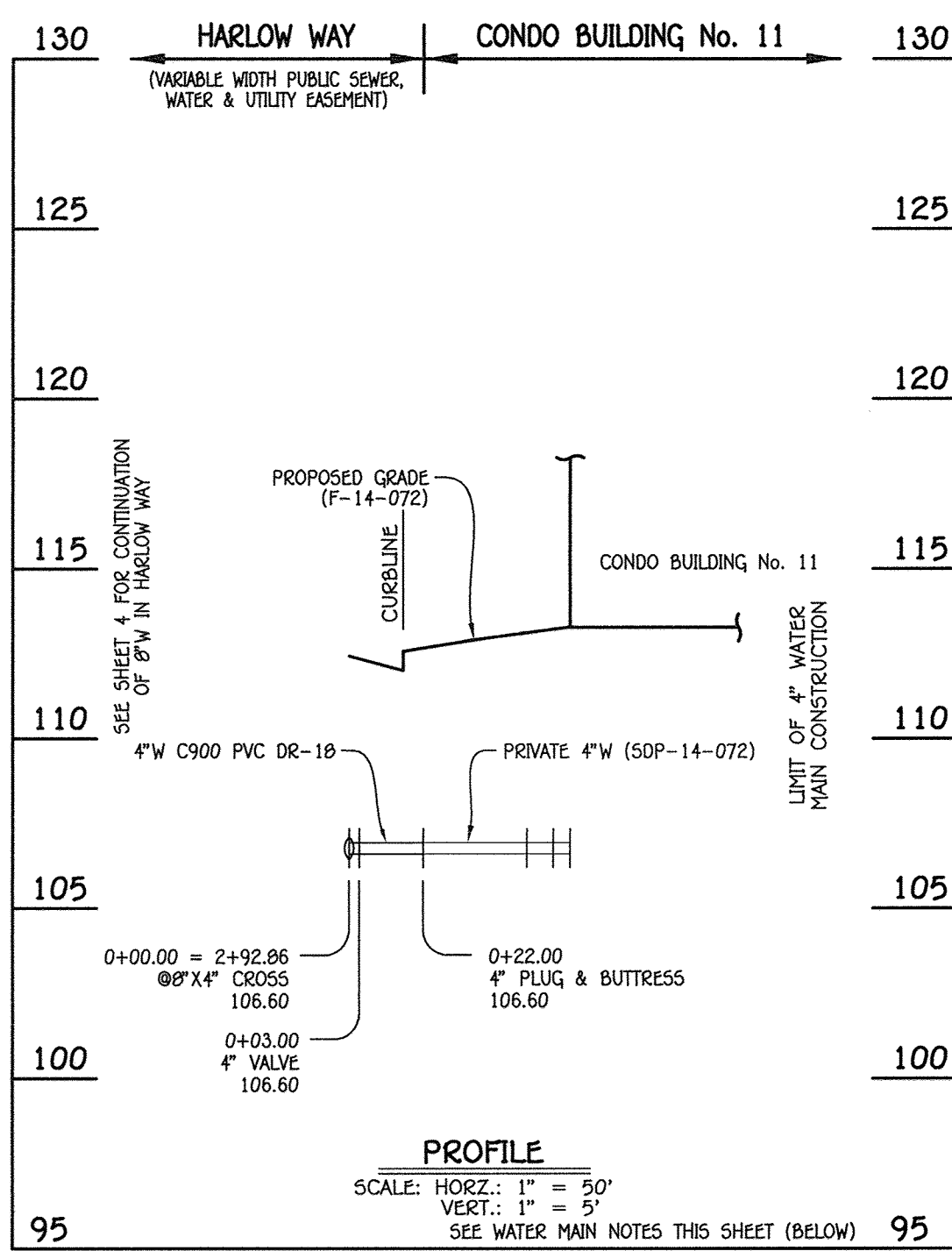
WATER MAIN EXTENSIONS
PROFILES, NOTES & CHARTS

600' SCALE MAP NO. 30 BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 0914-3010
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

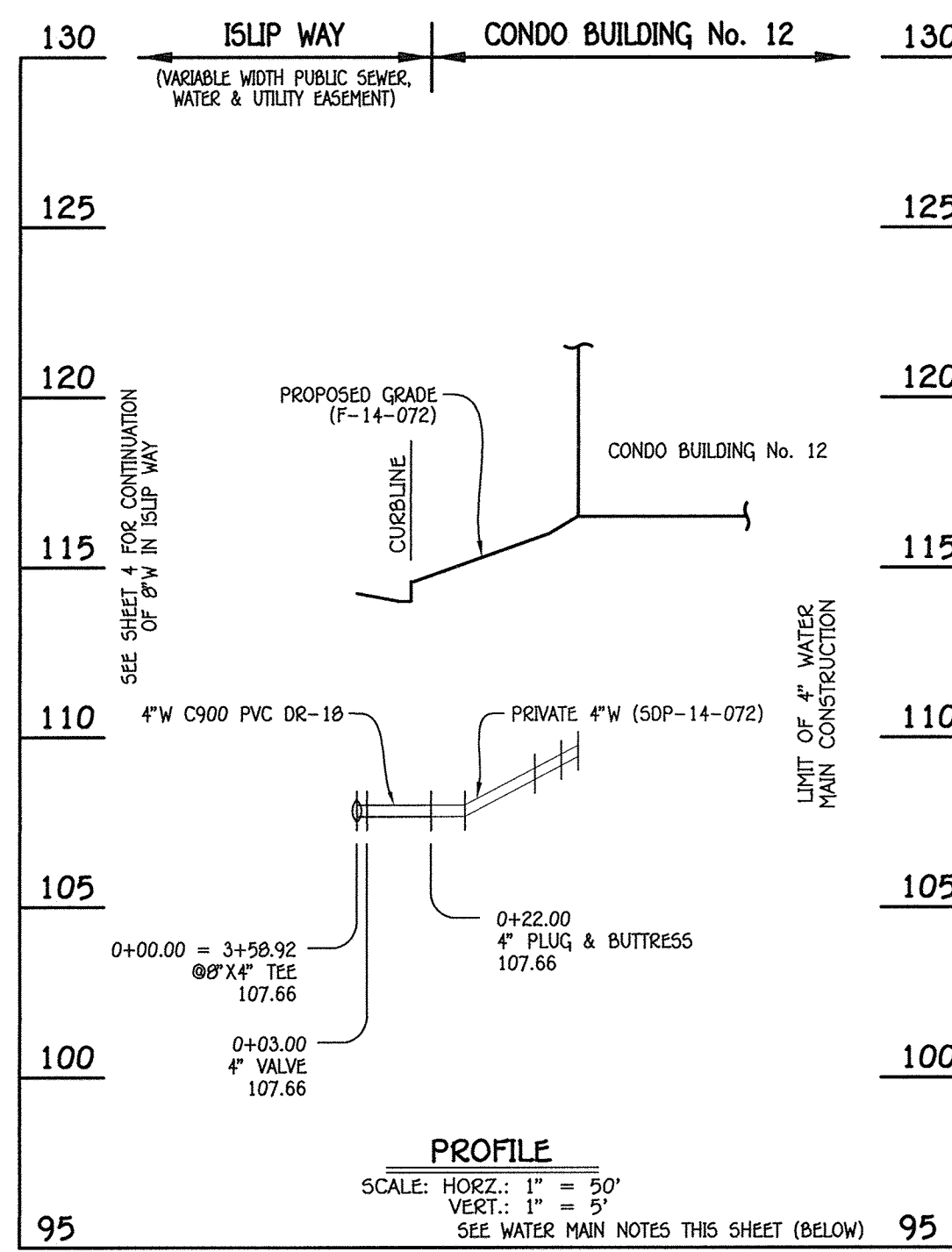
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 6 OF 12

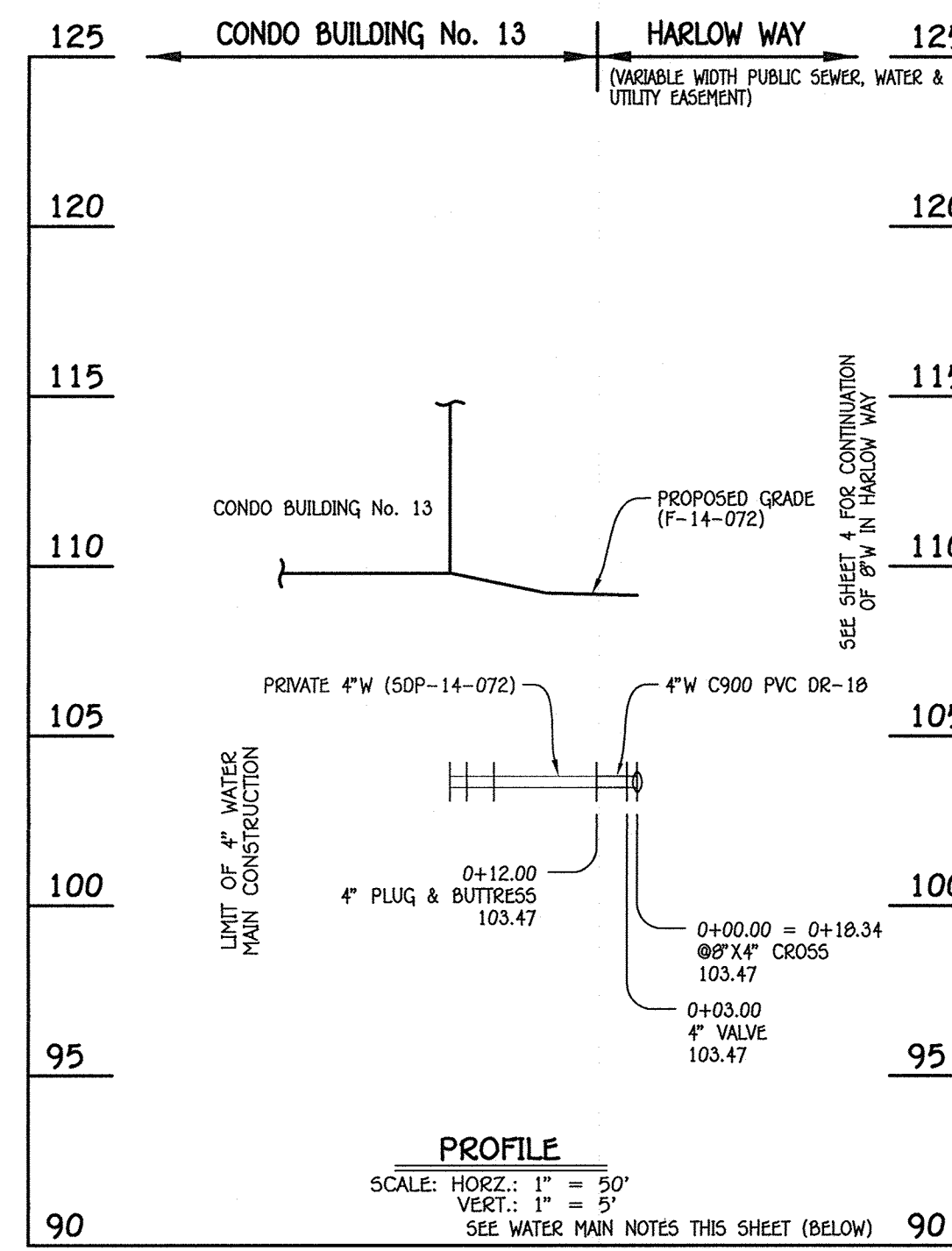
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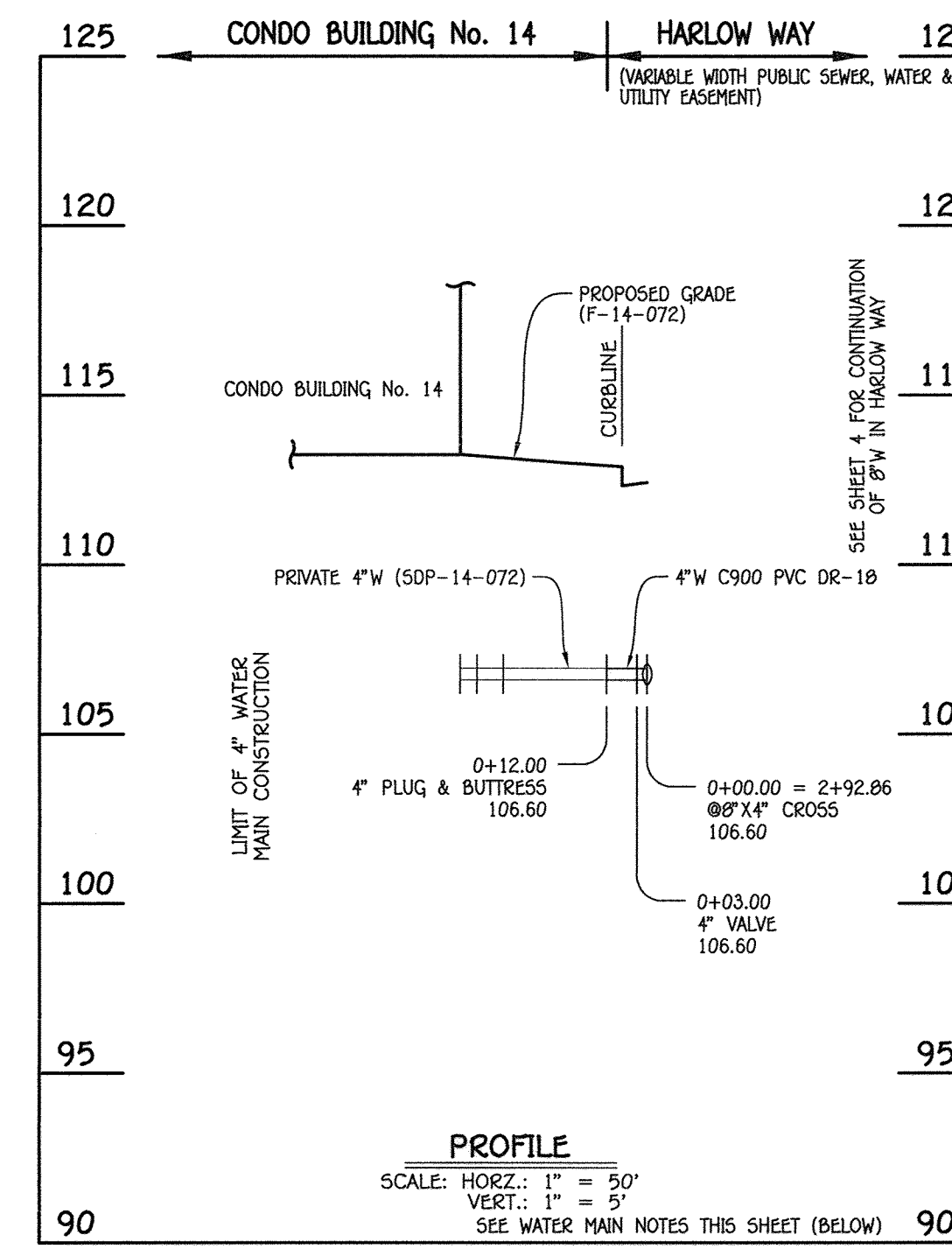
4" WATER MAIN: CONDO BUILDING No. 11



4" WATER MAIN: CONDO BUILDING No. 12



4" WATER MAIN: CONDO BUILDING No. 13



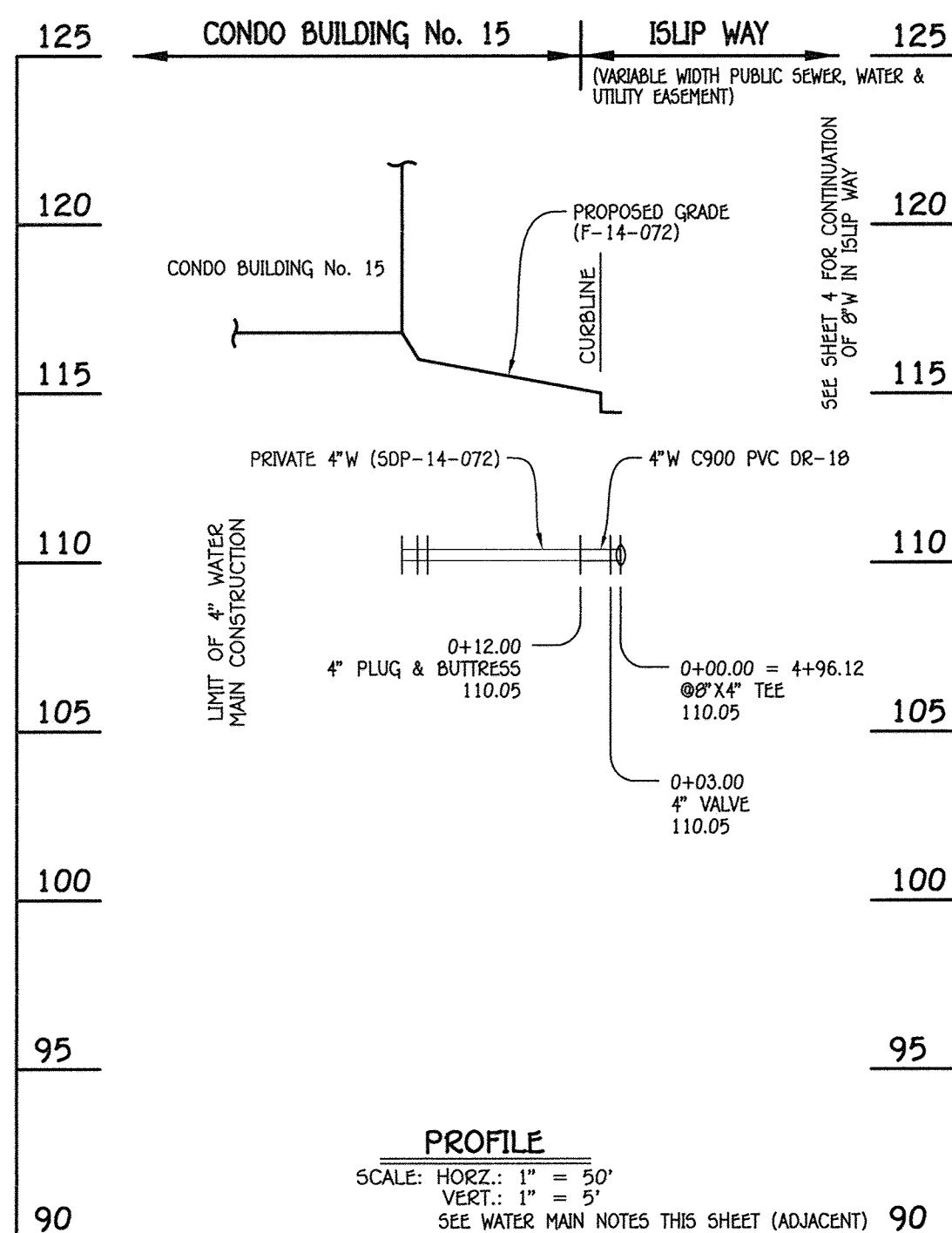
4" WATER MAIN: CONDO BUILDING No. 14

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 11			
0+00.00 = 2+92.86	8"X4" CROSS	552992.69	1386165.04
0+03.00	4" VALVE	552991.36	1386167.73
0+22.00	4" PLUG & BUTTRESS	552982.96	1386184.77

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 12			
0+00.00 = 3+58.92	8"X4" TEE	553051.93	1386194.27
0+03.00	4" VALVE	553050.60	1386196.96
0+22.00	4" PLUG & BUTTRESS	553042.19	1386214.00

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 13			
0+00.00 = 0+18.34	8"X4" CROSS	552746.50	1386043.58
0+03.00	4" VALVE	552747.83	1386040.89
0+12.00	4" PLUG & BUTTRESS	552751.81	1386032.82

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING No. 14			
0+00.00 = 2+92.86	8"X4" CROSS	552992.69	1386165.04
0+03.00	4" VALVE	552994.02	1386162.35
0+12.00	4" PLUG & BUTTRESS	552998.00	1386154.28



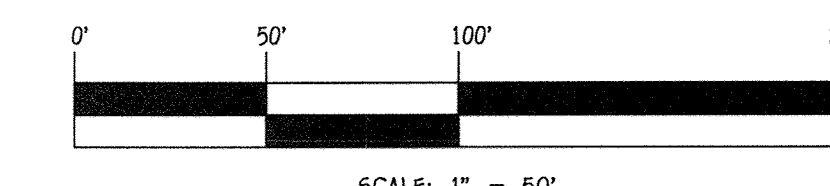
4" WATER MAIN: CONDO BUILDING Nos. 15 & 16

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
4" WATER MAIN: CONDO BUILDING Nos. 15 & 16			
0+00.00 = 4+96.12	8"X4" TEE	553174.97	1386254.98
0+03.00	4" VALVE	553176.30	1386252.29
0+12.00	4" PLUG & BUTTRESS	553180.28	1386244.22

AS-BUILT

12/3/18

- 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.



CONTRACT NO. 14-4860-D
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

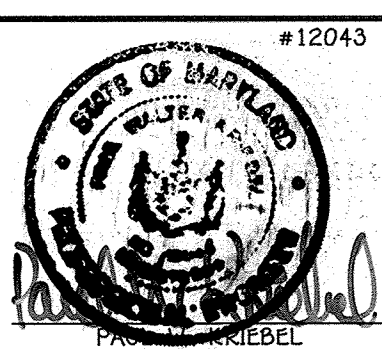
[Signature]
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
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. 12243 EXPIRATION DATE IS 7/16/16.

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



DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	JULY, 2015
BY NO.	REVISION
DATE	

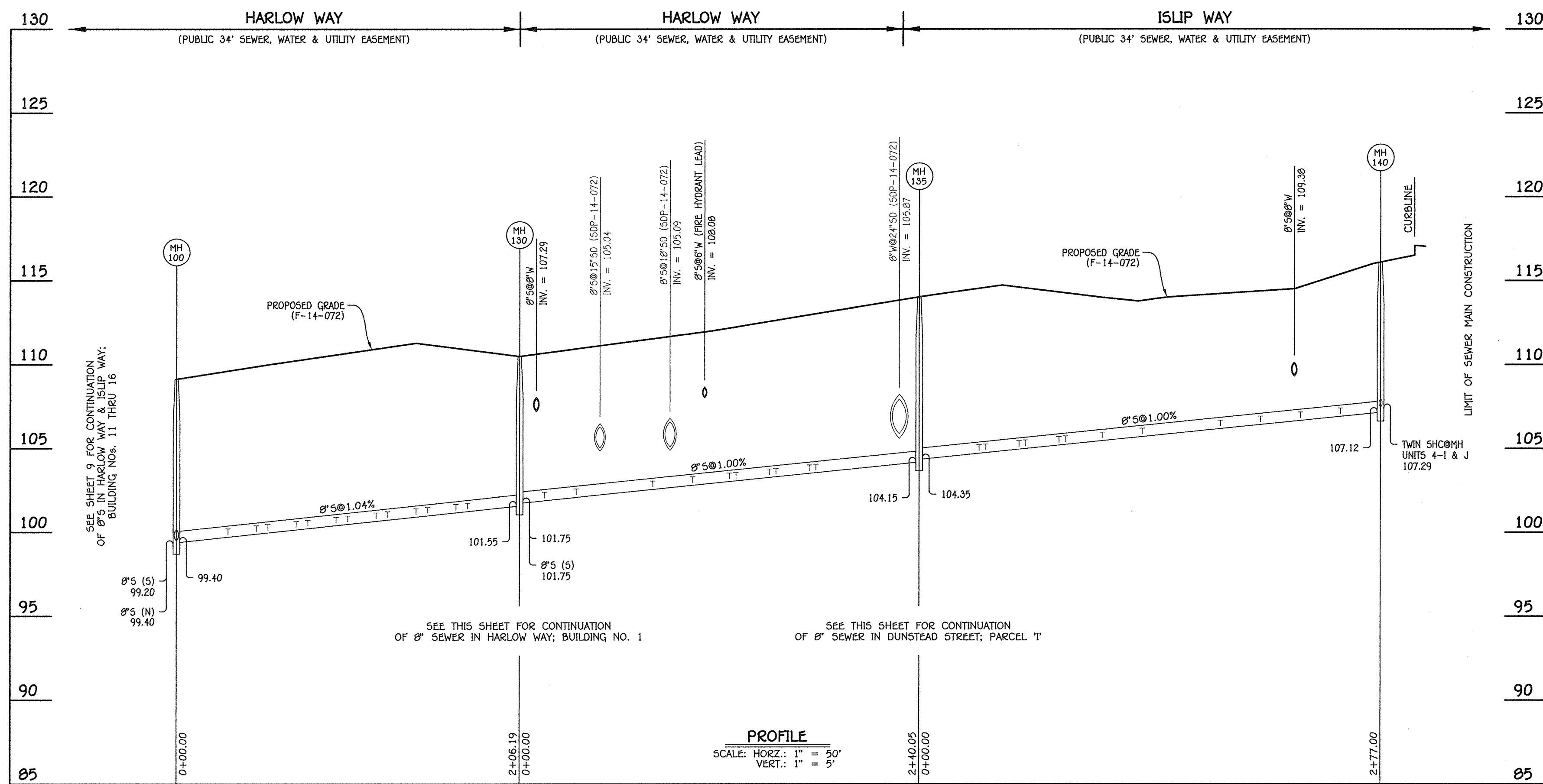
WATER MAIN EXTENSIONS
PROFILES, NOTES & CHARTS

600' SCALE MAP NO. 38 BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 0914-3010
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

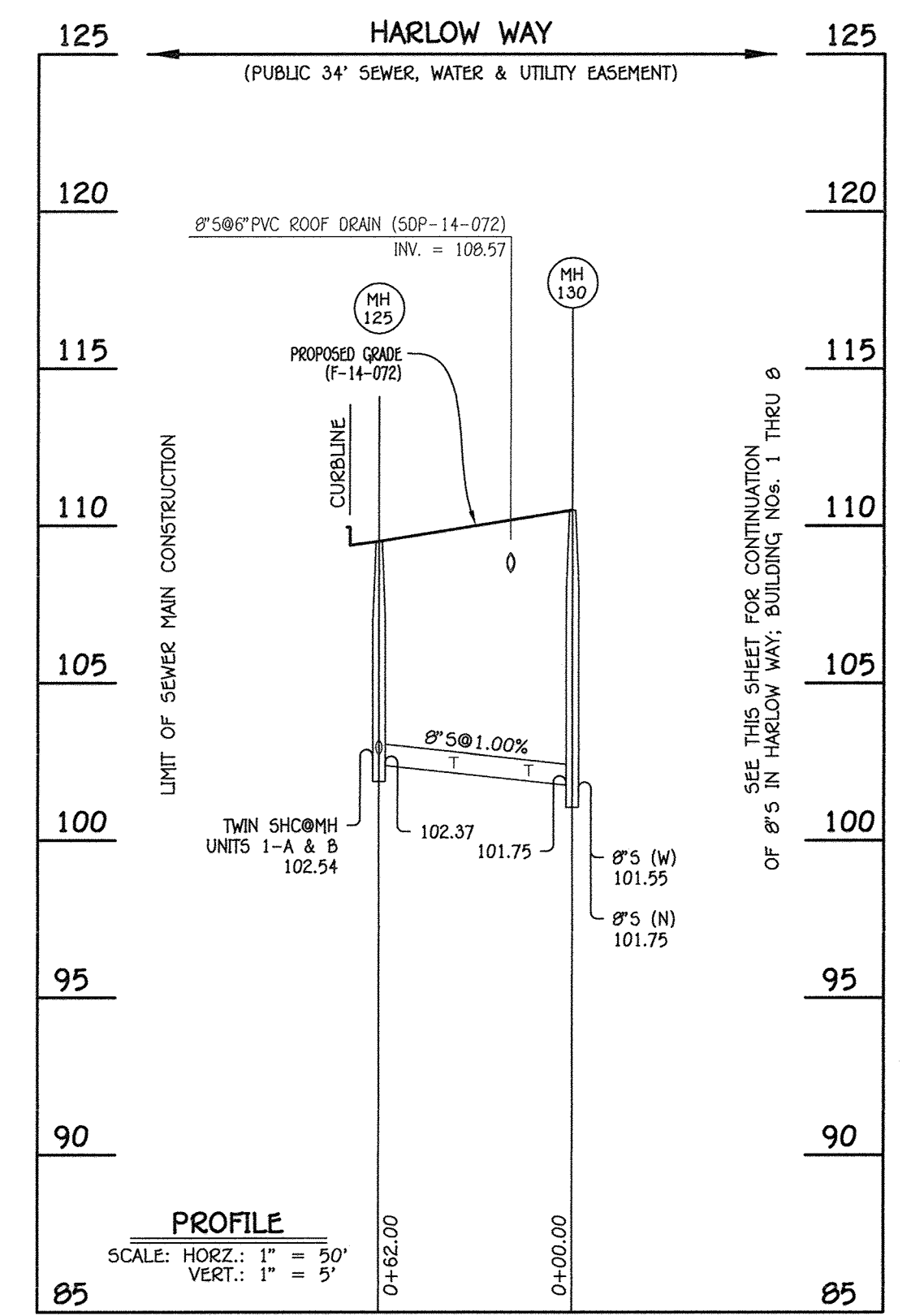
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 7 OF 12



8" SEWER MAIN: HARLOW WAY / ISLIP WAY; BUILDING NOS. 1 THRU 8



8" SEWER MAIN: HARLOW WAY; BUILDING NO. 1

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
100	522808.48	1386086.43	109.12
130	522717.26	1386271.33	110.48
135	522932.53	1386377.55	114.01
140	523180.94	1386500.11	116.10

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
130	522717.26	1386271.33	110.48
125	522661.66	1386243.90	109.49

NOTE: SET MH RIMS FLUSH W/PROPOSED GRADE.

SEWER HOUSE CONNECTION CHART					
STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
MH 100 TO MH 130					
0+31 RT.	5-A	99.80	100.08	104.28	111.56
0+31 RT.	5-B	99.80	100.04	104.24	111.56
0+48 LT.	6-A	99.98	100.46	104.66	111.64
0+48 LT.	6-B	99.98	100.42	104.62	111.64
0+55 RT.	5-C	100.05	100.33	104.53	111.56
0+55 RT.	5-D	100.05	100.29	104.49	111.56
0+72 LT.	6-C	100.23	100.71	104.91	112.31
0+72 LT.	6-D	100.23	100.67	104.87	112.31
0+79 RT.	5-E	100.30	100.58	104.78	112.23
0+79 RT.	5-F	100.30	100.54	104.74	112.23
0+96 LT.	6-E	100.48	100.96	105.16	112.31
0+96 LT.	6-F	100.48	100.92	105.12	112.31
1+03 RT.	5-G	100.55	100.83	105.03	112.23
1+03 RT.	5-H	100.55	100.79	104.99	112.23
1+20 LT.	6-G	100.73	101.21	105.41	112.31
1+20 LT.	6-H	100.73	101.17	105.37	112.31
1+27 RT.	5-I	100.80	101.08	105.28	112.90
1+27 RT.	5-J	100.80	101.04	105.24	112.90
1+44 LT.	6-I	100.98	101.46	105.66	112.31
1+44 LT.	6-J	100.98	101.42	105.62	112.31
1+51 RT.	5-K	101.05	101.33	105.53	112.90
1+51 RT.	5-L	101.05	101.29	105.49	112.90
1+68 LT.	6-K	101.23	101.71	105.91	112.31
1+68 LT.	6-L	101.23	101.67	105.87	112.31
1+75 RT.	5-M	101.30	101.58	105.78	112.90
1+75 RT.	5-N	101.30	101.54	105.74	112.90

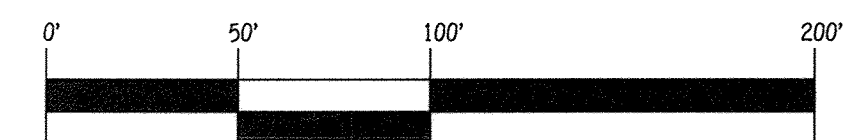
SEWER HOUSE CONNECTION CHART					
STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
MH 130 TO MH 135					
0+15 RT.	1-G	101.98	102.42	106.62	113.44
0+15 RT.	1-H	101.98	102.46	106.66	113.44
0+34 RT.	1-I	102.17	102.61	106.81	113.44
0+34 RT.	1-J	102.17	102.65	106.85	113.44
0+80 RT.	2-A	102.63	103.07	107.27	113.81
0+80 RT.	2-B	102.63	103.11	107.31	113.81
1+04 RT.	2-C	102.87	103.31	107.51	114.48
1+04 RT.	2-D	102.87	103.35	107.55	114.48
1+26 RT.	2-E	103.09	103.53	107.73	114.48
1+26 RT.	2-F	103.09	103.57	107.77	114.48
1+30 LT.	7-A	103.13	103.37	107.57	113.93
1+30 LT.	7-B	103.13	103.41	107.61	113.93
1+50 RT.	2-G	103.33	103.77	107.97	115.15
1+50 RT.	2-H	103.33	103.81	108.01	115.15
1+54 LT.	7-C	103.37	103.61	107.81	114.60
1+54 LT.	7-D	103.37	103.65	107.85	114.60
1+74 RT.	2-I	103.57	104.01	108.21	115.15
1+74 RT.	2-J	103.57	104.05	108.25	115.15
1+78 LT.	7-E	103.61	103.85	108.05	114.60
1+78 LT.	7-F	103.61	103.89	108.09	114.60

SEWER HOUSE CONNECTION CHART					
STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
MH 135 TO MH 140					
0+36 RT.	3-A	104.79	105.23	109.43	116.08
0+36 RT.	3-B	104.79	105.27	109.47	116.08
0+40 LT.	8-A	104.83	105.07	109.27	115.69
0+40 LT.	8-B	104.83	105.11	109.31	115.69
0+60 RT.	3-C	105.03	105.47	109.67	116.08
0+60 RT.	3-D	105.03	105.51	109.71	116.08
0+64 LT.	8-C	105.07	105.31	109.51	115.69
0+64 LT.	8-D	105.07	105.35	109.55	115.69
0+84 RT.	3-E	105.27	105.71	109.91	116.08
0+84 RT.	3-F	105.27	105.75	109.95	116.08
0+88 LT.	8-E	105.31	105.55	109.75	115.69
0+88 LT.	8-F	105.31	105.59	109.79	115.69
1+10 RT.	3-G	105.53	105.97	110.17	116.75
1+10 RT.	3-H	105.53	106.01	110.21	116.75
1+34 RT.	3-I	105.77	106.21	110.41	116.75
1+34 RT.	3-J	105.77	106.25	110.45	116.75
1+81 RT.	4-A	106.24	106.68	110.88	117.63
1+81 RT.	4-B	106.24	106.72	110.92	117.63
2+05 RT.	4-C	106.48	106.92	111.12	117.63
2+05 RT.	4-D	106.48	106.96	111.16	117.63
2+29 RT.	4-E	106.72	107.16	111.36	118.30
2+29 RT.	4-F	106.72	107.20	111.40	118.30
2+53 RT.	4-G	106.96	107.40	111.60	118.30
2+53 RT.	4-H	106.96	107.44	111.64	118.30
⊙MH 140 RT.	4-I	107.29	107.73	111.93	118.97
⊙MH 140 RT.	4-J	107.29	107.77	111.97	118.97

SEWER HOUSE CONNECTION CHART					
STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
MH 130 TO MH 125					
0+14 LT.	1-F	101.97	102.45	106.65	112.77
0+14 LT.	1-E	101.97	102.41	106.61	112.77
0+38 LT.	1-D	102.21	102.69	106.89	112.77
0+38 LT.	1-C	102.21	102.65	106.85	112.77
⊙MH 125 RT.	1-B	102.54	103.02	107.22	112.10
⊙MH 125 RT.	1-A	102.54	102.98	107.18	112.10

AS-BUILT

Date 12/3/18



SCALE: 1" = 50'

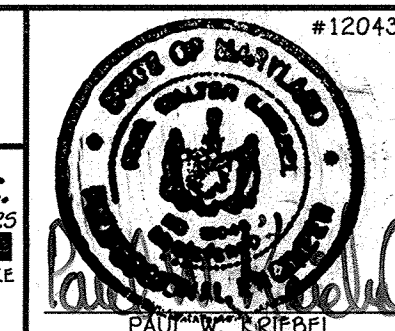
CONTRACT NO. 14-4860-D
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 18
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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 IS 7/15/16.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-2895



DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	JULY, 2015
BY NO.	
REVISION	
DATE	

SEWER MAIN EXTENSIONS
PROFILES & CHARTS

600' SCALE MAP NO. 38 BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 0914-3010
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

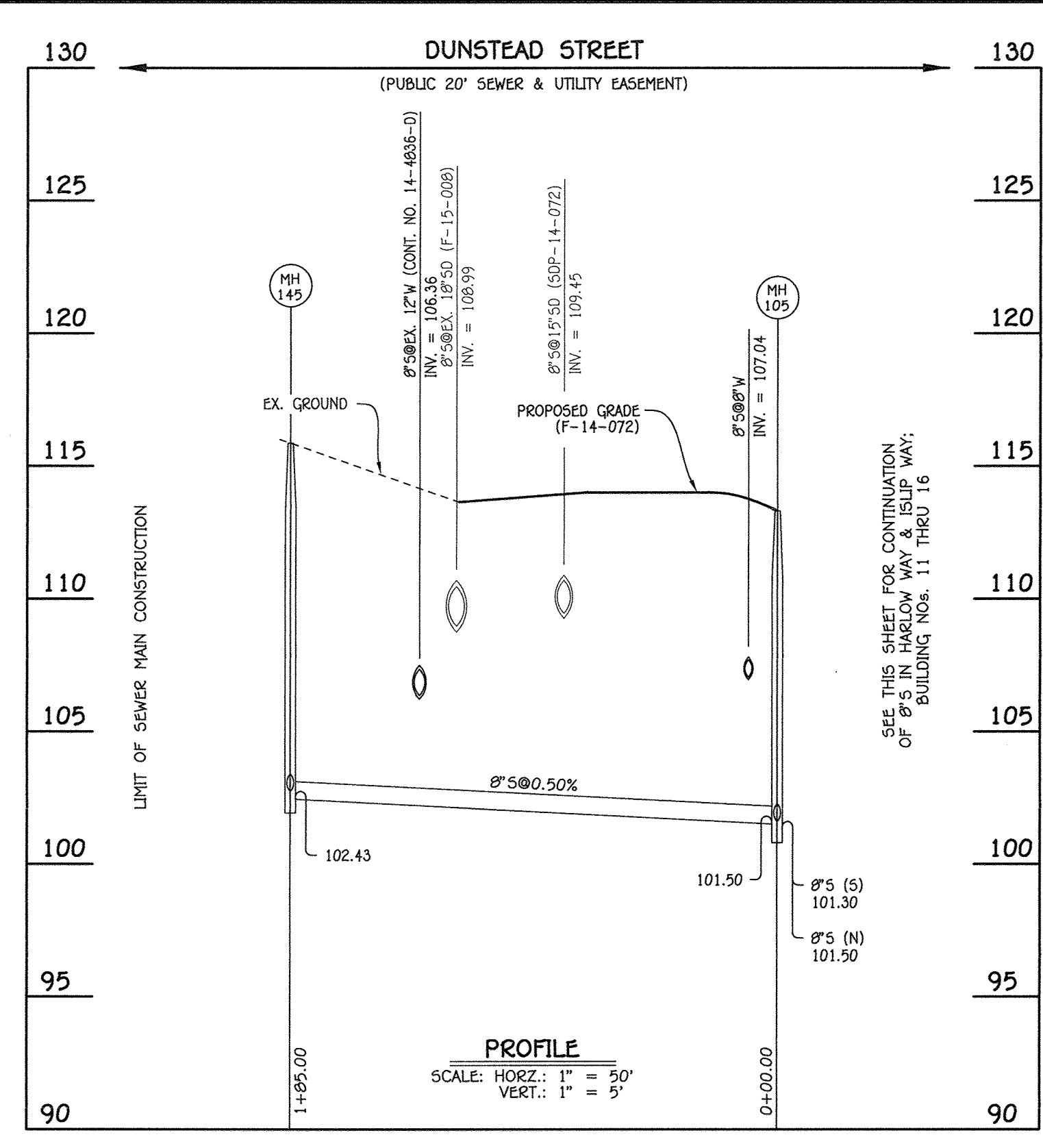
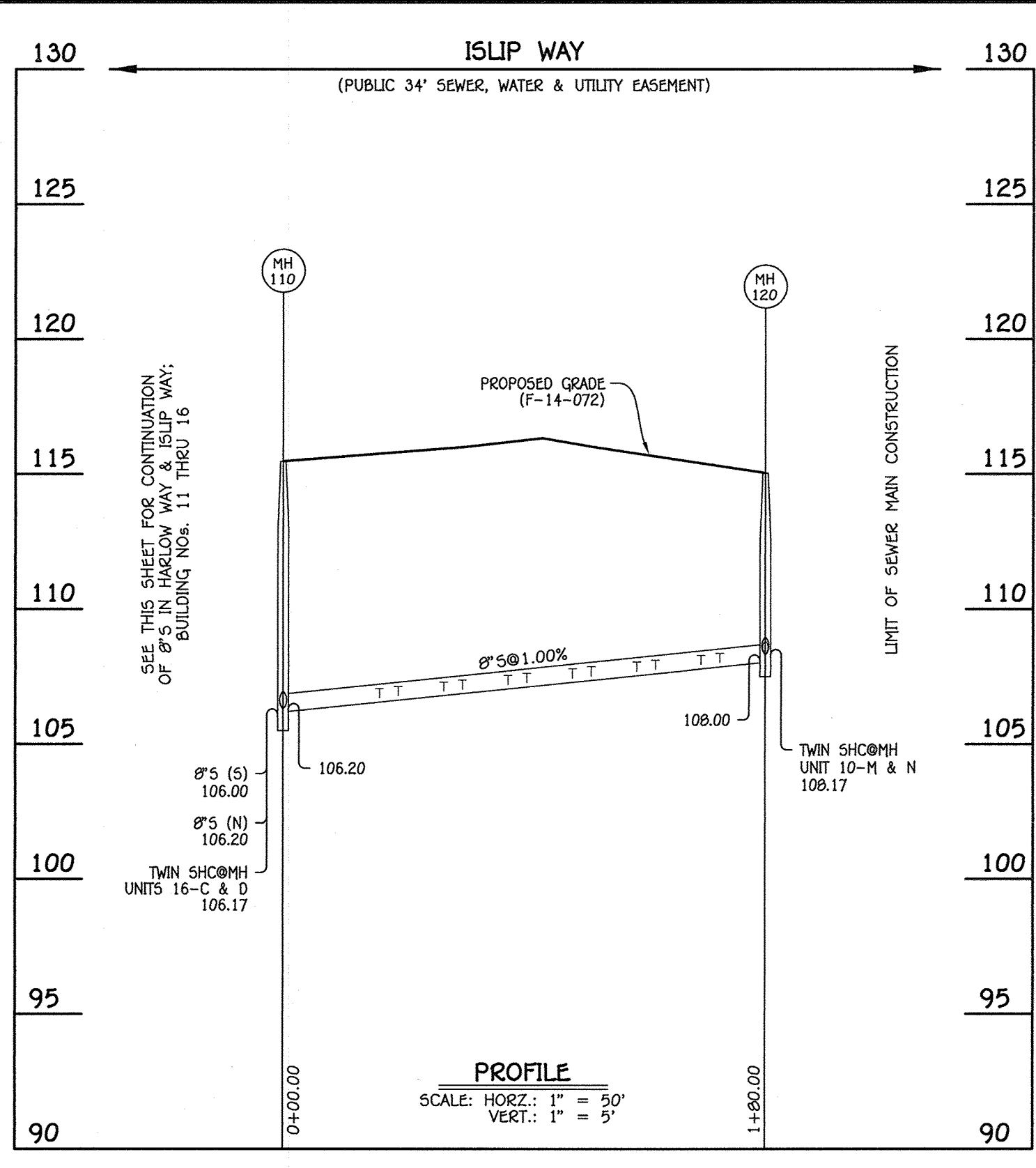
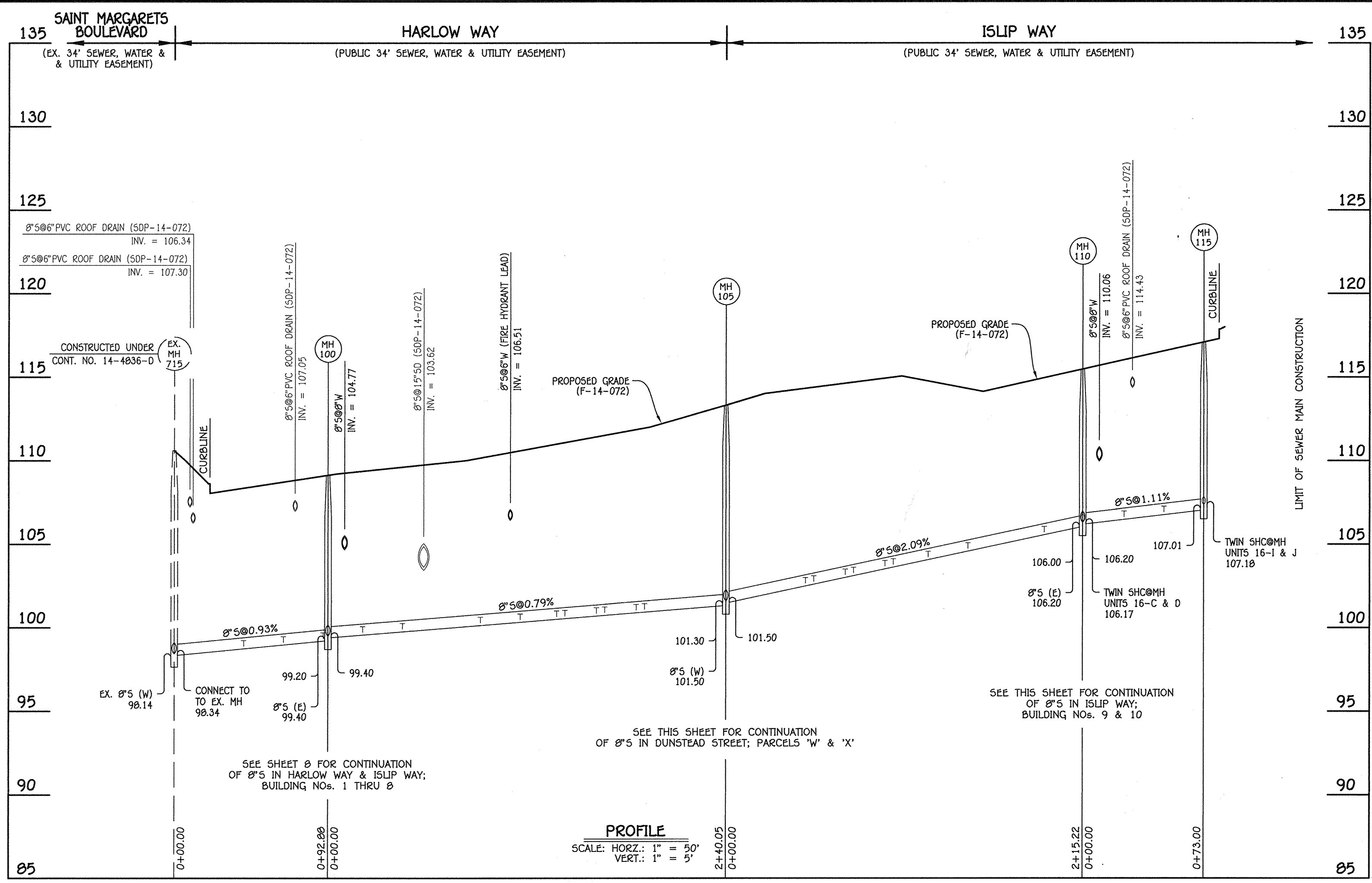
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN

SHEET
8 OF 12

CHIEF BUREAU OF UTILITIES
DATE 7/29/15

CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE 7/16/15



8" SEWER MAIN: ISLIP WAY; BUILDING NOS. 9 & 10

8" SEWER MAIN: DUNSTEAD STREET TO PARCELS 'W' & 'X'

NO.	NORTHING	EASTING	RIM ELEVATION
100	552808.48	1386086.43	109.12
105	553023.76	1386192.64	113.31
110	553216.76	1386287.87	115.46
115	553282.24	1386320.17	117.08

8" SEWER MAIN: HARLOW WAY & ISLIP WAY; BUILDING NOS. 11 THRU 16

NO.	NORTHING	EASTING	RIM ELEVATION
110	553216.76	1386287.87	115.46
120	553137.13	1386449.29	115.03

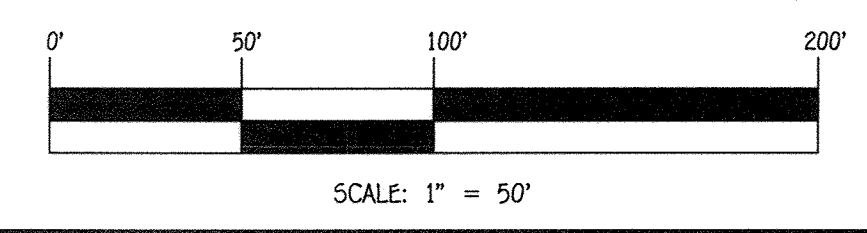
NO.	NORTHING	EASTING	RIM ELEVATION
105	553023.76	1386192.64	113.31
145	553105.62	1386026.73	115.86

STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
EX. MH 715 TO MH 100					
0+42 LT.	13-A	98.81	99.31	103.51	109.79
0+42 LT.	13-B	98.81	99.27	103.47	109.79
0+66 LT.	13-C	99.03	99.53	103.73	110.46
0+66 LT.	13-D	99.03	99.49	103.69	110.46
0+90 LT.	13-E	99.26	99.76	103.96	110.46
0+90 LT.	13-F	99.26	99.72	103.92	110.46
MH 100 TO MH 105					
0+21 LT.	13-G	99.65	100.15	104.35	111.13
0+21 LT.	13-H	99.65	100.11	104.31	111.13
0+45 LT.	13-I	99.84	100.34	104.54	111.13
0+45 LT.	13-J	99.84	100.30	104.50	111.13
0+92 LT.	14-A	100.21	100.71	104.91	111.91
0+92 LT.	14-B	100.21	100.67	104.87	111.91
1+16 LT.	14-C	100.40	100.90	105.10	112.58
1+16 LT.	14-D	100.40	100.86	105.06	112.58
1+38 RT.	11-A	100.57	100.83	105.03	112.60
1+38 RT.	11-B	100.57	100.79	104.99	112.60
1+43 LT.	14-E	100.61	101.11	105.31	112.58
1+43 LT.	14-F	100.61	101.07	105.27	112.58
1+62 RT.	11-C	100.76	101.02	105.22	112.60
1+62 RT.	11-D	100.76	100.98	105.18	112.60
1+67 LT.	14-G	100.80	101.30	105.50	113.25
1+67 LT.	14-H	100.80	101.26	105.46	113.25
1+86 RT.	11-E	100.95	101.21	105.41	113.27
1+86 RT.	11-F	100.95	101.17	105.37	113.27
1+91 LT.	14-I	100.99	101.25	105.45	113.25
1+91 LT.	14-J	100.99	101.21	105.41	113.25

STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
MH 105 TO MH 110					
0+48 RT.	12-A	102.58	102.84	107.04	116.50
0+48 RT.	12-B	102.58	102.80	107.00	116.50
0+53 LT.	15-A	102.69	103.19	107.39	116.13
0+53 LT.	15-B	102.69	103.15	107.35	116.13
0+72 RT.	12-C	103.08	103.34	107.54	116.13
0+72 RT.	12-D	103.08	103.30	107.50	116.13
0+77 LT.	15-C	103.19	103.69	107.89	116.50
0+77 LT.	15-D	103.19	103.65	107.85	116.50
0+96 RT.	12-E	103.59	103.85	108.05	116.50
0+96 RT.	12-F	103.59	103.81	108.01	116.50
1+01 LT.	15-E	103.69	104.19	108.39	116.80
1+01 LT.	15-F	103.69	104.15	108.35	116.80
1+22 LT.	15-G	104.13	104.63	108.83	116.80
1+22 LT.	15-H	104.13	104.59	108.79	116.80
1+46 LT.	15-I	104.63	105.13	109.33	116.80
1+46 LT.	15-J	104.63	105.09	109.29	116.80
1+92 LT.	16-A	105.59	106.09	110.29	117.34
1+92 LT.	16-B	105.59	106.05	110.25	117.34
0+110 LT.	16-C	106.17	106.67	110.87	118.01
0+110 LT.	16-D	106.17	106.63	110.83	118.01
MH 110 TO MH 115					
0+25 LT.	16-E	106.56	107.06	111.26	118.01
0+25 LT.	16-F	106.56	107.02	111.22	118.01
0+49 LT.	16-G	106.82	107.32	111.52	118.68
0+49 LT.	16-H	106.82	107.28	111.48	118.68
0+115 LT.	16-I	107.18	107.68	111.88	119.35
0+115 LT.	16-J	107.18	107.64	111.84	119.35

STATION	UNIT	ELEVATION AT MAIN	ELEVATION AT EASEMENT	M.C.E.	SLAB
MH 110 TO MH 120					
0+36 LT.	10-A	106.64	107.12	111.32	118.84
0+36 LT.	10-B	106.64	107.08	111.28	118.84
0+43 RT.	9-A	106.71	106.99	111.19	117.20
0+43 RT.	9-B	106.71	106.95	111.15	117.20
0+60 LT.	10-C	106.88	107.36	111.56	118.17
0+60 LT.	10-D	106.88	107.32	111.52	118.17
0+67 RT.	9-C	106.95	107.23	111.43	117.20
0+67 RT.	9-D	106.95	107.19	111.39	117.20
0+84 LT.	10-E	107.12	107.60	111.80	118.17
0+84 LT.	10-F	107.12	107.56	111.76	118.17
0+91 RT.	9-E	107.19	107.47	111.67	117.20
0+91 RT.	9-F	107.19	107.43	111.63	117.20
1+08 LT.	10-G	107.36	107.84	112.04	117.50
1+08 LT.	10-H	107.36	107.80	112.00	117.50
1+15 RT.	9-G	107.43	107.71	111.91	117.20
1+15 RT.	9-H	107.43	107.67	111.87	117.20
1+32 LT.	10-I	107.60	108.08	112.28	117.50
1+32 LT.	10-J	107.60	108.04	112.24	117.50
1+39 RT.	9-I	107.67	107.95	112.15	117.20
1+39 RT.	9-J	107.67	107.91	112.11	117.20
1+56 LT.	10-K	107.84	108.32	112.52	118.83
1+56 LT.	10-L	107.84	108.28	112.48	118.83
1+63 RT.	9-K	107.91	108.19	112.39	116.53
1+63 RT.	9-L	107.91	108.15	112.35	116.53
0+120 LT.	10-M	108.17	108.65	112.85	117.50
0+120 LT.	10-N	108.17	108.61	112.81	117.50

AS-BUILT
Date 12/3/18



CONTRACT NO. 14-4860-D
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

1. 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 7/16/16.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10272 BALDORNE NATIONAL PARK
ELLIOTT CITY, MARYLAND 21042
(410) 461-2899

PAUL W. KREBEL

DESIGNED BY: B.C.R.
DRAWN BY: B.C.R.
CHECKED BY: P.W.K.
DATE: JULY, 2015

DATE: 7/28/15
DATE: 8/6/15

SEWER MAIN EXTENSIONS
PROFILES & CHARTS

600' SCALE MAP NO. 30 BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 0914-3010
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

SCALE AS SHOWN
SHEET 9 OF 12

OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
Nos. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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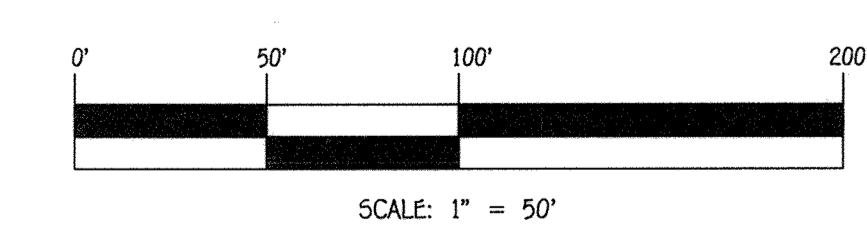
WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

UNIT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1-A	7103 A BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
1-B	7103 B BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
1-C	7105 A BEAUMONT PLACE	SMH 125 - 43.5'	SMH 130 - 39'
1-D	7105 B BEAUMONT PLACE	SMH 125 - 43.5'	SMH 130 - 39'
1-E	7107 A BEAUMONT PLACE	SMH 125 - 64'	SMH 130 - 26'
1-F	7107 B BEAUMONT PLACE	SMH 125 - 64'	SMH 130 - 26'
1-G	7109 A BEAUMONT PLACE	SMH 125 - 37'	SMH 130 - 31.5'
1-H	7109 B BEAUMONT PLACE	SMH 125 - 37'	SMH 130 - 31.5'
1-I	7111 A BEAUMONT PLACE	SMH 125 - 11'	SMH 130 - 31'
1-J	7111 B BEAUMONT PLACE	SMH 125 - 11'	SMH 130 - 31'
2-A	7115 A BEAUMONT PLACE	SMH 125 - 37'	Fire Hydrant - 40'
2-B	7115 B BEAUMONT PLACE	SMH 125 - 37'	Fire Hydrant - 40'
2-C	7117 A BEAUMONT PLACE	SMH 125 - 35'	Fire Hydrant - 34'
2-D	7117 B BEAUMONT PLACE	SMH 125 - 35'	Fire Hydrant - 34'
2-E	7119 A BEAUMONT PLACE	SMH 125 - 48'	Fire Hydrant - 44'
2-F	7119 B BEAUMONT PLACE	SMH 125 - 48'	Fire Hydrant - 44'
2-G	7121 A BEAUMONT PLACE	SMH 125 - 67'	Fire Hydrant - 62'
2-H	7121 B BEAUMONT PLACE	SMH 125 - 67'	Fire Hydrant - 62'
2-I	7123 A BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
2-J	7123 B BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
3-A	7131 A BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
3-B	7131 B BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
3-C	7133 A BEAUMONT PLACE	SDMH 13 - 77'	Inlet 11 - 72'
3-D	7133 B BEAUMONT PLACE	SDMH 13 - 77'	Inlet 11 - 72'
3-E	7135 A BEAUMONT PLACE	SDMH 13 - 67'	Inlet 11 - 55'
3-F	7135 B BEAUMONT PLACE	SDMH 13 - 67'	Inlet 11 - 55'
3-G	7137 A BEAUMONT PLACE	SDMH 13 - 63'	Inlet 11 - 44'
3-H	7137 B BEAUMONT PLACE	SDMH 13 - 63'	Inlet 11 - 44'
3-I	7139 A BEAUMONT PLACE	SDMH 13 - 71'	Inlet 11 - 45'
3-J	7139 B BEAUMONT PLACE	SDMH 13 - 71'	Inlet 11 - 45'
4-A	7143 A BEAUMONT PLACE	SMH 120 - 55'	SMH 140 - 92'
4-B	7143 B BEAUMONT PLACE	SMH 120 - 55'	SMH 140 - 92'
4-C	7145 A BEAUMONT PLACE	SMH 120 - 52'	SMH 140 - 70'
4-D	7145 B BEAUMONT PLACE	SMH 120 - 52'	SMH 140 - 70'
4-E	7147 A BEAUMONT PLACE	SMH 120 - 59'	SMH 140 - 56'
4-F	7147 B BEAUMONT PLACE	SMH 120 - 59'	SMH 140 - 56'
4-G	7149 A BEAUMONT PLACE	SMH 120 - 73'	SMH 140 - 31'
4-H	7149 B BEAUMONT PLACE	SMH 120 - 73'	SMH 140 - 31'
4-I	7151 A BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
4-J	7151 B BEAUMONT PLACE (WITHIN SPRINKLER ROOM)		
5-A	7444 A SAINT MARGARETS BOULEVARD (WITHIN SPRINKLER ROOM)		
5-B	7444 B SAINT MARGARETS BOULEVARD (WITHIN SPRINKLER ROOM)		
5-C	7442 A SAINT MARGARETS BOULEVARD	SMH 100 - 64'	Valve 13 - 45'
5-D	7442 B SAINT MARGARETS BOULEVARD	SMH 100 - 64'	Valve 13 - 45'
5-E	7440 A SAINT MARGARETS BOULEVARD	SMH 100 - 89'	Valve 13 - 67'
5-F	7440 B SAINT MARGARETS BOULEVARD	SMH 100 - 89'	Valve 13 - 67'
5-G	7438 A SAINT MARGARETS BOULEVARD	SMH 100 - 112'	Valve 13 - 70'
5-H	7438 B SAINT MARGARETS BOULEVARD	SMH 100 - 112'	Valve 13 - 70'
5-I	7436 A SAINT MARGARETS BOULEVARD	SMH 130 - 72'	Valve 14 - 75'
5-J	7436 B SAINT MARGARETS BOULEVARD	SMH 130 - 72'	Valve 14 - 75'
5-K	7434 A SAINT MARGARETS BOULEVARD	SMH 130 - 51'	Valve 14 - 53'
5-L	7434 B SAINT MARGARETS BOULEVARD	SMH 130 - 51'	Valve 14 - 53'
5-M	7432 A SAINT MARGARETS BOULEVARD (WITHIN SPRINKLER ROOM)		
5-N	7432 B SAINT MARGARETS BOULEVARD (WITHIN SPRINKLER ROOM)		
6-A	7320 A HARLOW WAY (WITHIN SPRINKLER ROOM)		
6-B	7320 B HARLOW WAY (WITHIN SPRINKLER ROOM)		
6-C	7318 A HARLOW WAY	Valve 13 - 35'	SMH 100 - 64'
6-D	7318 B HARLOW WAY	Valve 13 - 35'	SMH 100 - 64'
6-E	7316 A HARLOW WAY	Valve 13 - 60'	SMH 100 - 87'
6-F	7316 B HARLOW WAY	Valve 13 - 60'	SMH 100 - 87'
6-G	7314 A HARLOW WAY	Valve 13 - 82'	SMH 130 - 103'
6-H	7314 B HARLOW WAY	Valve 13 - 82'	SMH 130 - 103'
6-I	7312 A HARLOW WAY	Valve 14 - 50'	SMH 130 - 79'
6-J	7312 B HARLOW WAY	Valve 14 - 50'	SMH 130 - 79'
6-K	7310 A HARLOW WAY (WITHIN SPRINKLER ROOM)		
6-L	7310 B HARLOW WAY (WITHIN SPRINKLER ROOM)		
7-A	7306 A HARLOW WAY	Fire Hydrant - 32'	Valve 19 - 41'
7-B	7306 B HARLOW WAY	Fire Hydrant - 32'	Valve 19 - 41'
7-C	7304 A HARLOW WAY	Fire Hydrant - 56'	Valve 19 - 62'
7-D	7304 B HARLOW WAY	Fire Hydrant - 56'	Valve 19 - 62'
7-E	7302 A HARLOW WAY (WITHIN SPRINKLER ROOM)		
7-F	7302 B HARLOW WAY (WITHIN SPRINKLER ROOM)		
8-A	7228 A ISLIP WAY (WITHIN SPRINKLER ROOM)	Valve 23 - At valve	Valve 22 - At valve
8-B	7228 B ISLIP WAY (WITHIN SPRINKLER ROOM)	Valve 23 - At valve	Valve 22 - At valve
8-C	7226 A ISLIP WAY	Valve 23 - 55'	Valve 22 - 59'
8-D	7226 B ISLIP WAY	Valve 23 - 55'	Valve 22 - 59'
8-E	7224 A ISLIP WAY	Valve 23 - 77'	Valve 23 - 79'
8-F	7224 B ISLIP WAY	Valve 23 - 77'	Valve 23 - 79'
9-A	7210 A ISLIP WAY (WITHIN SPRINKLER ROOM)		
9-B	7210 B ISLIP WAY (WITHIN SPRINKLER ROOM)		
9-C	7212 A ISLIP WAY	SMH 110 - 76'	Valve 2 - 85'
9-D	7212 B ISLIP WAY	SMH 110 - 76'	Valve 2 - 85'
9-E	7214 A ISLIP WAY	SMH 110 - 99'	Valve 2 - 108'
9-F	7214 B ISLIP WAY	SMH 110 - 99'	Valve 2 - 108'
9-G	7216 A ISLIP WAY	Fire Hydrant - 69'	Valve 2B - 71'
9-H	7216 B ISLIP WAY	Fire Hydrant - 69'	Valve 2B - 71'
9-I	7218 A ISLIP WAY	Fire Hydrant - 44'	Valve 2B - 48'
9-J	7218 B ISLIP WAY	Fire Hydrant - 44'	Valve 2B - 48'
9-K	7220 A ISLIP WAY (WITHIN SPRINKLER ROOM)		
9-L	7220 B ISLIP WAY (WITHIN SPRINKLER ROOM)		
10-A	7087 A BANBURY DRIVE (WITHIN SPRINKLER ROOM)		
10-B	7087 B BANBURY DRIVE (WITHIN SPRINKLER ROOM)		
10-C	7085 A BANBURY DRIVE	SMH 110 - 50'	Valve 2 - 55'
10-D	7085 B BANBURY DRIVE	SMH 110 - 50'	Valve 2 - 55'
10-E	7083 A BANBURY DRIVE	SMH 110 - 93'	Valve 2 - 78'
10-F	7083 B BANBURY DRIVE	SMH 110 - 93'	Valve 2 - 78'

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

UNIT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
10-G	7081 A BANBURY DRIVE	SMH 120 - 97'	Fire Hydrant - 106'
10-H	7081 B BANBURY DRIVE	SMH 120 - 97'	Fire Hydrant - 106'
10-I	7079 A BANBURY DRIVE	SMH 120 - 76'	Fire Hydrant - 86'
10-J	7079 B BANBURY DRIVE	SMH 120 - 76'	Fire Hydrant - 86'
10-K	7077 A BANBURY DRIVE	SMH 120 - 51'	Fire Hydrant - 65'
10-L	7077 B BANBURY DRIVE	SMH 120 - 51'	Fire Hydrant - 65'
10-M	7075 A BANBURY DRIVE (WITHIN SPRINKLER ROOM)		
10-N	7075 B BANBURY DRIVE (WITHIN SPRINKLER ROOM)		
11-A	7324 A HARLOW WAY	Valve 8 - 30'	Fire Hydrant - 19'
11-B	7324 B HARLOW WAY	Valve 8 - 30'	Fire Hydrant - 19'
11-C	7326 A HARLOW WAY	Valve 8 - 47'	Fire Hydrant - 40'
11-D	7326 B HARLOW WAY	Valve 8 - 47'	Fire Hydrant - 40'
11-E	7328 A HARLOW WAY (WITHIN SPRINKLER ROOM)		
11-F	7328 B HARLOW WAY (WITHIN SPRINKLER ROOM)		
12-A	7202 A ISLIP WAY (WITHIN SPRINKLER ROOM)		
12-B	7202 B ISLIP WAY (WITHIN SPRINKLER ROOM)		
12-C	7204 A ISLIP WAY	Valve 5 - 39'	SMH 105 - 86'
12-D	7204 B ISLIP WAY	Valve 5 - 39'	SMH 105 - 86'
12-E	7206 A ISLIP WAY	Valve 5 - 62'	SMH 105 - 97'
12-F	7206 B ISLIP WAY	Valve 5 - 62'	SMH 105 - 97'
13-A	7551 A CROWLEY STREET (WITHIN SPRINKLER ROOM)		
13-B	7551 B CROWLEY STREET (WITHIN SPRINKLER ROOM)		
13-C	7549 A CROWLEY STREET	Valve 12 - 40'	SMH 100 - 44'
13-D	7549 B CROWLEY STREET	Valve 12 - 40'	SMH 100 - 44'
13-E	7547 A CROWLEY STREET	Valve 12 - 63'	SMH 100 - 28'
13-F	7547 B CROWLEY STREET	Valve 12 - 63'	SMH 100 - 28'
13-G	7545 A CROWLEY STREET	Valve 12 - 85'	SMH 100 - 30'
13-H	7545 B CROWLEY STREET	Valve 12 - 85'	SMH 100 - 30'
13-I	7543 A CROWLEY STREET	Valve 13 - 55'	SMH 100 - 41'
13-J	7543 B CROWLEY STREET	Valve 13 - 55'	SMH 100 - 41'
14-A	7539 A CROWLEY STREET	Valve 8 - 35'	Fire Hydrant - 47'
14-B	7539 B CROWLEY STREET	Valve 8 - 35'	Fire Hydrant - 47'
14-C	7537 A CROWLEY STREET	Valve 8 - 18'	Fire Hydrant - 36'
14-D	7537 B CROWLEY STREET	Valve 8 - 18'	Fire Hydrant - 36'
14-E	7535 A CROWLEY STREET	Valve 8 - 26'	Fire Hydrant - 41'
14-F	7535 B CROWLEY STREET	Valve 8 - 26'	Fire Hydrant - 41'
14-G	7533 A CROWLEY STREET	Valve 8 - 47'	Fire Hydrant - 56'
14-H	7533 B CROWLEY STREET	Valve 8 - 47'	Fire Hydrant - 56'
14-I	7531 A CROWLEY STREET (WITHIN SPRINKLER ROOM)		
14-J	7531 B CROWLEY STREET (WITHIN SPRINKLER ROOM)		
15-A	7523 A CROWLEY STREET	Valve 5 - 24'	Valve 29 - 117'
15-B	7523 B CROWLEY STREET	Valve 5 - 24'	Valve 29 - 117'
15-C	7521 A CROWLEY STREET	Valve 5 - 41'	Valve 29 - 96'
15-D	7521 B CROWLEY STREET	Valve 5 - 41'	Valve 29 - 96'
15-E	7519 A CROWLEY STREET	Valve 5 - 63'	Valve 29 - 72'
15-F	7519 B CROWLEY STREET	Valve 5 - 63'	Valve 29 - 72'
15-G	7517 A CROWLEY STREET	Valve 5 - 87'	Valve 29 - 48'
15-H	7517 B CROWLEY STREET	Valve 5 - 87'	Valve 29 - 48'
15-I	7515 A CROWLEY STREET (WITHIN SPRINKLER ROOM)		
15-J	7515 B CROWLEY STREET (WITHIN SPRINKLER ROOM)		
16-A	7511 A CROWLEY STREET (WITHIN SPRINKLER ROOM)		
16-B	7511 B CROWLEY STREET (WITHIN SPRINKLER ROOM)		
16-C	7509 A CROWLEY STREET	Valve 2 - 28'	Valve 1 - 78'
16-D	7509 B CROWLEY STREET	Valve 2 - 28'	Valve 1 - 78'
16-E	7507 A CROWLEY STREET	Valve 2 - 19'	Valve 1 - 53'
16-F	7507 B CROWLEY STREET	Valve 2 - 19'	Valve 1 - 53'
16-G	7505 A CROWLEY STREET	Valve 2 - 34'	Valve 1 - 32'
16-H	7505 B CROWLEY STREET	Valve 2 - 34'	Valve 1 - 32'
16-I	7503 A CROWLEY STREET	Valve 2 - 55'	Valve 1 - 20'
16-J	7503 B CROWLEY STREET	Valve 2 - 55'	Valve 1 - 20'

AS-BUILT
12/3/18

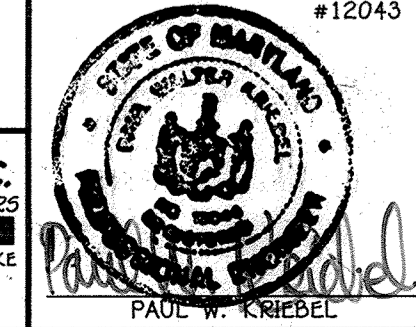


CONTRACT NO. 14-4860-D
OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
NOS. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

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 IS 7/16/16.



DESIGNED BY:	B.C.R.
DRAWN BY:	B.C.R.
CHECKED BY:	P.W.K.
DATE:	JULY, 2015
BY NO.	
REVISION	

WATER MAIN EXTENSIONS "AS-BUILT" TABLES	
600' SCALE MAP NO. 30	BLOCK NO. 19 & 20
F.C.C. WORK ORDER NO. 0914-3010	
DATE: _____	
FILE NAME: WATER & SEWER MAIN EXTENSION PLAN	

OXFORD SQUARE: EXETER PARK
CONDOMINIUM BUILDING
NOS. 1 THRU 16
WATER & SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4860-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

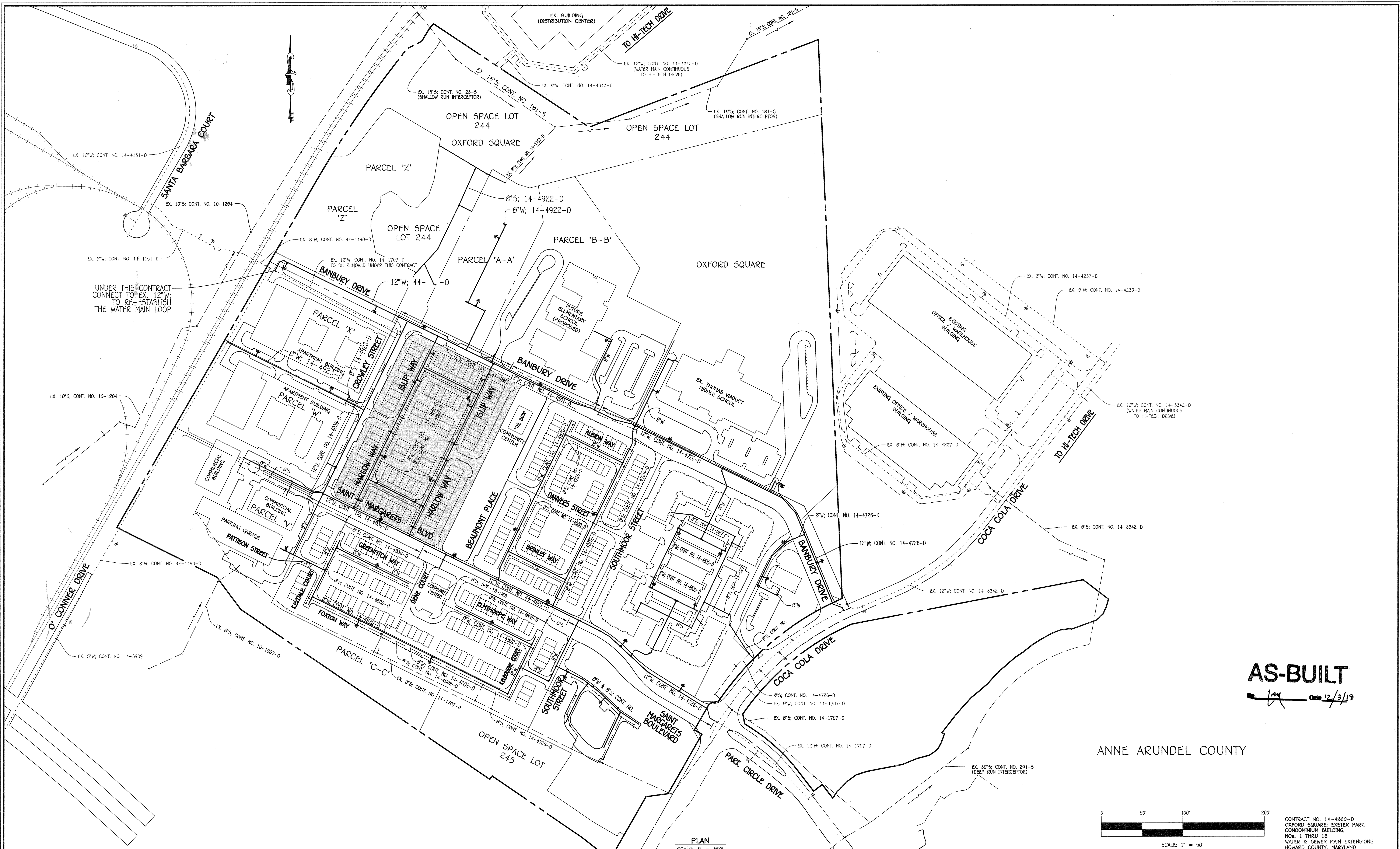
SHEET 10 OF 12

CHIEF, BUREAU OF UTILITIES
DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FLEE
ELIJAH CITY, MARYLAND 21042
(410) 461-2995

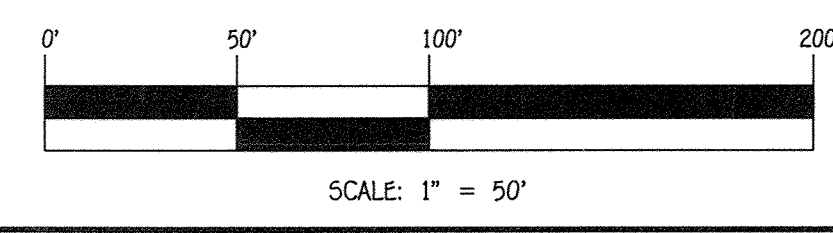
14-4860-D (SOP-14-072) NF-14 (E) Final 09/04/14-3010 Water and Sewer Contract Plans.dwg, 7/17/2015 1:35:33 PM



AS-BUILT

[Signature] Date: 12/3/15

ANNE ARUNDEL COUNTY

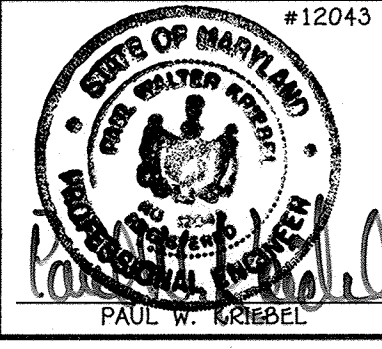


CONTRACT NO. 14-4860-D
 OXFORD SQUARE: EXETER PARK
 CONDOMINIUM BUILDING
 NOS. 1 THRU 16
 WATER & SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
[Signature] DATE: 7/29/15
 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
[Signature] DATE: 8/16/15
 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 7/16/16.
FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2899



DESIGNED BY: B.C.R.
 DRAWN BY: B.C.R.
 CHECKED BY: P.W.K.
 DATE: JULY, 2015

WATER & SEWER MAIN EXTENSIONS OVERVIEW
 600' SCALE MAP NO. 30 BLOCK NO. 19 & 20
 F.C.C. WORK ORDER NO. 0914-3010
 FILE NAME: WATER & SEWER MAIN EXTENSION PLAN

OXFORD SQUARE: EXETER PARK CONDOMINIUM BUILDING NOS. 1 THRU 16 WATER & SEWER MAIN EXTENSIONS
 CONTRACT NO. 14-4860-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 12 OF 12

I:\2015\09014.dwg, Water & Sewer Contract\15,3010 - Contract No. 14-4860-D (SDP-14-072) JF-14 (E:\Final\09014-3010 Water and Sewer Contract Plan - Sheet 12.dwg, 7/16/2015 10:19:57 AM