

GENERAL NOTES

PART I

- 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 IN APRIL, 2021 BY BENCHMARK ENGINEERING, 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. 50B5 AND NO. 50B0.
ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE XX05 AND XX06.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE 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 DRAWING, 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.
- WHERE TEST PITS HAVE BEEN MADE ON 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 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).....410-685-0123
BUREAU OF UTILITIES.....410-313-4900
COLONIAL PIPELINE CO.....410-795-1390
MISS UTILITY.....1-800-257-7777
STATE HIGHWAY ADMINISTRATION.....410-531-5233
VERIZON.....1-800-743-0033
- 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.
- THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(G) OF THE HOWARD COUNTY CODE.

PART II WATER

- ALL WATER MAINS TO BE PVC C900 DR18 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL PVC C900 WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
- FOR PVC C900 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 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, SEVENTEEN (17) POUND MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSES. TWELVE (12) POUND 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 INSERTIONLINE 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 AND 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. THE CONTRACTOR SHALL USE A VIBRATORY PLATE COMPACTOR OR OTHER APPROVED MEANS TO THOROUGHLY COMPACT THE #57 STONE ON BOTH SIDES 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 DEFLECTION 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, DR18 MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (PEX) BLUE, BRUTE DR18 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 INSTALL DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAN 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 MEGA-STOP, AS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL.

PART III SEWER

- 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 PVC ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL GS.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-4" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

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

Alexander Butcher 04/11/24
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER F-23-052

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
David C. ... 4/12/24
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
Chad ... 4/12/24
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

OWNER/DEVELOPER:
MEREDITH AVE., LLC
517 HORN POINT DRIVE
ANNAPOLIS, MD 21403
410-336-0708

Professional Certification: 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. 28376, Expiration Date: 01-01-2025.

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
3300 NORTH RIDGE ROAD SUITE 140 ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BEI-CIVLENGINEERING.COM



DESIGN: AM
DRAFT: AM
CHK: CAM
DATE: MAR 2024

BY	NO.	REVISIONS	DATE

FINAL
PUBLIC WATER AND SEWER
TITLE SHEET
600 SCALE MAP #50 BLOCK: 4

MEREDITH AVENUE
NORTH LAUREL PARK, BLOCK 8, LOTS 17-23
TAX MAP: 50 GRID: 4 PARCEL: 426
ZONED: R-5C
ELECTION DISTRICT NO. 8th HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-5195-D

SCALE:
AS SHOWN
SHEET NO.
1 OF 2

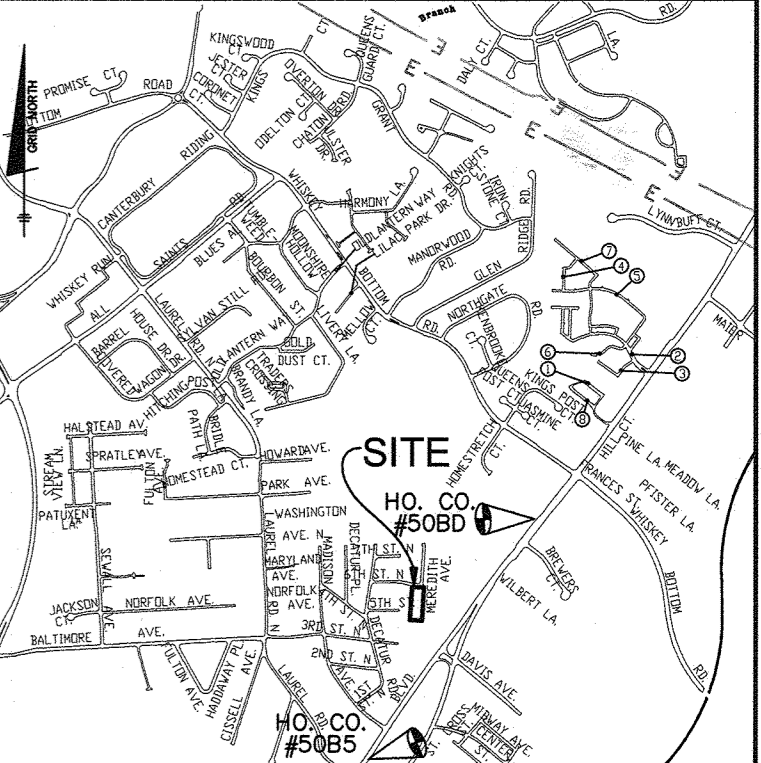
MEREDITH AVENUE

PUBLIC WATER AND PUBLIC SEWER PLANS

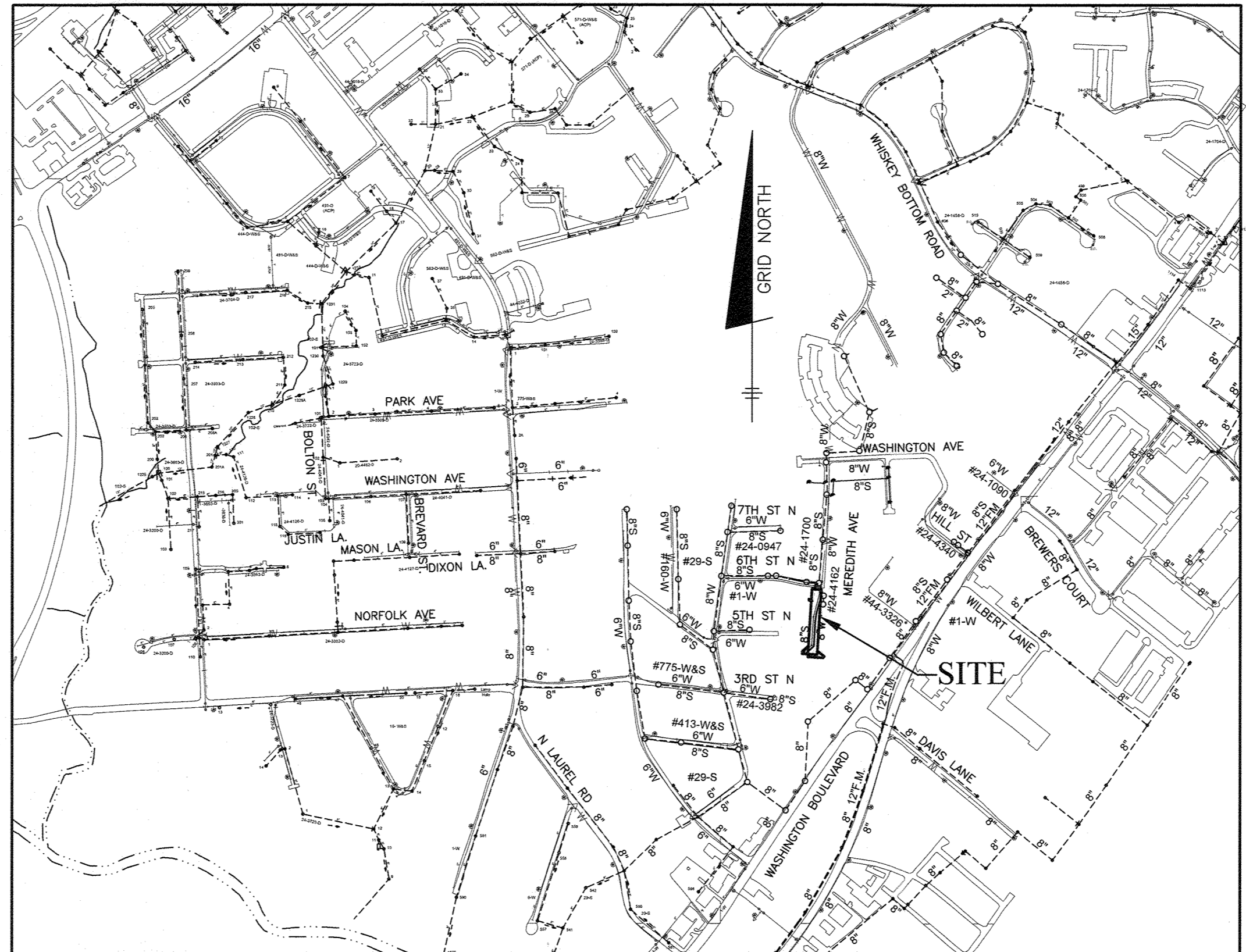
CONTRACT NO. 24-5195-D

BENCH MARKS (NAD83)

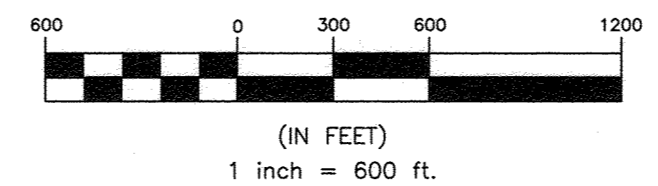
HO. CO. No. 50B5	ELEV. 177.427'
NEAR RT-1 BY DAVIS AVE	
50.2 FEET FROM FIRE HYDRANT	
12.2 FEET FROM CORNER OF PARKING LOT	
N 524999.311	E 1357925.729
HO. CO. No. 50B0	ELEV. 245.803'
BY RT-1 S OF WHISKEY BOTTOM RD	
6.9 FEET FROM FIRE HYDRANT	
17.2 FEET FROM SSMH	
N 527593.830	E 1359803.018



VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 40, GRID B8



UTILITY LOCATION MAP
SCALE: 1" = 600'



TYPE OF BUILDING: _____ RESIDENTIAL - SFD
NUMBER OF UNITS: _____ 6
NUMBER OF SHC'S: _____ 11
NUMBER OF WHC'S: _____ 8
DRAINAGE AREA: _____ LITTLE PATUXENT
TREATMENT PLANT: _____ LITTLE PATUXENT WRP
WATER ZONE: _____ 400
TEST GRADIENT: _____ 677
TEST PRESSURE: _____ 209

WATER AND SEWER INTERRUPTION CHART

ADDRESS	STREET	WATER	SEWER
9398	SIXTH STREET	NO	YES
9399	SIXTH STREET	NO	YES
9400	SIXTH STREET	NO	YES
9325	MEREDITH AVE	YES	YES
9326	MEREDITH AVE	YES	YES

CONTRACTOR SHALL NOTIFY AFFECTED HOUSES PRIOR TO SERVICE INTERRUPTION.

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
9344 MEREDITH AVE (LOT 17)		
9340 MEREDITH AVE (LOT 18)		
9338 MEREDITH AVE (LOT 19)		
9332 MEREDITH AVE (LOT 20)		
9328 MEREDITH AVE (LOT 21)		
9324 MEREDITH AVE (LOT 22)		
9300 SIXTH STREET (LOT 25)		
9398 SIXTH STREET (LOT 26)		
9399 SIXTH STREET (LOT 23)		
9329 MEREDITH AVE (LOT 32)		
9325 MEREDITH AVE (LOT 31)		

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
9344 MEREDITH AVE (LOT 17)		
9340 MEREDITH AVE (LOT 18)		
9338 MEREDITH AVE (LOT 19)		
9332 MEREDITH AVE (LOT 20)		
9328 MEREDITH AVE (LOT 21)		
9324 MEREDITH AVE (LOT 22)		
9329 MEREDITH AVE (LOT 32)		
9325 MEREDITH AVE (LOT 31)		

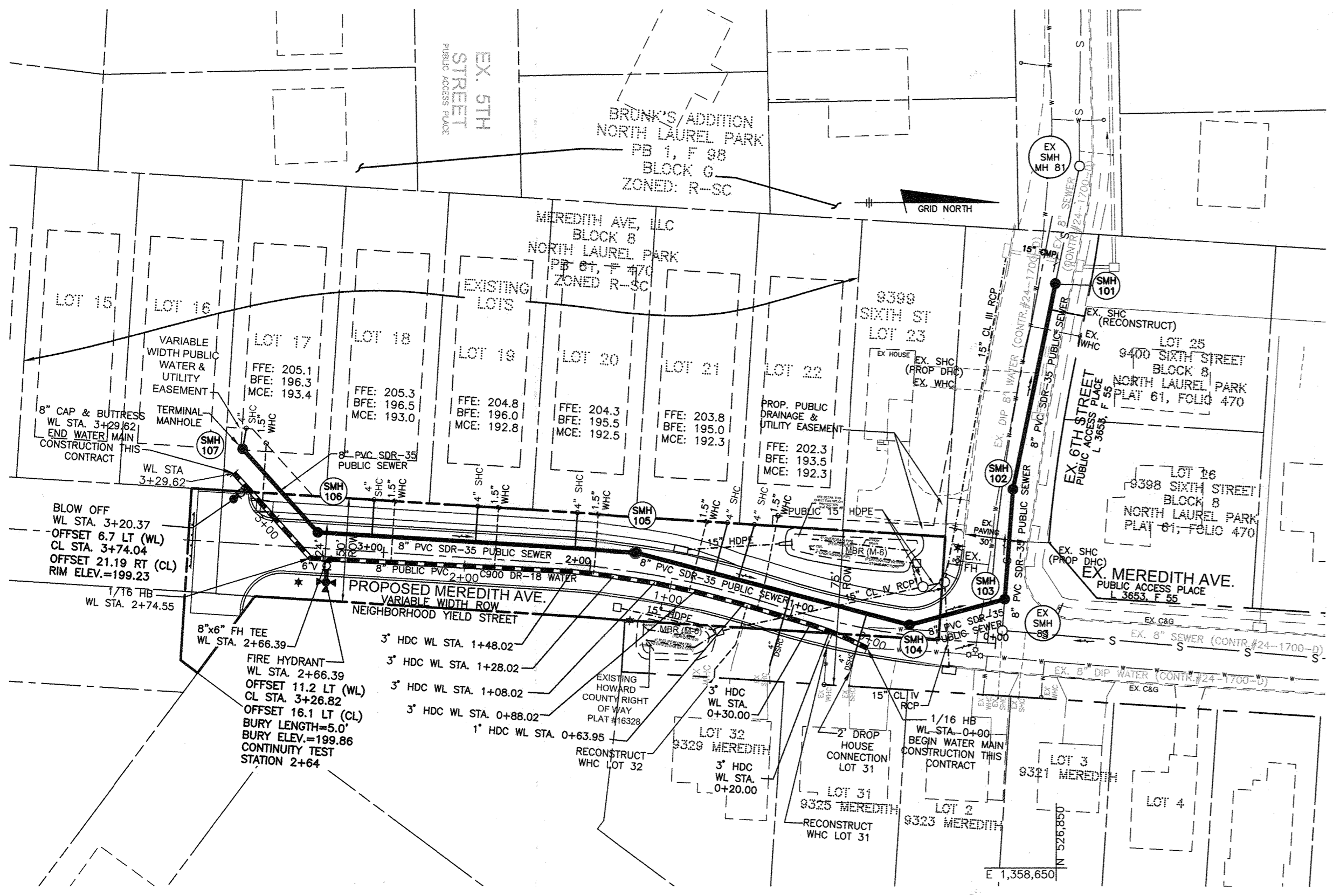
QUANTITIES

ITEMS	QUANTITIES ESTIMATED	ASBUILT		
		QUANTITIES	TYPE	MANU./SUPPLIER
8" WATER (PVC900 DR18)	330 LF			
1.5" WHC	242 LF			
1" METER VAULT	6			
6" FIRE HYDRANT, TEE & VALVE	1			
8" CAP AND BUTTRESS	1			
8" PVC SDR-35 SEWER	547LF			
MANHOLES	7			
4" SHC	180			
CLEANOUTS	6			
BLOW-OFF	1			

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

SHEET INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2	PUBLIC WATER AND SEWER PLAN AND PROFILE

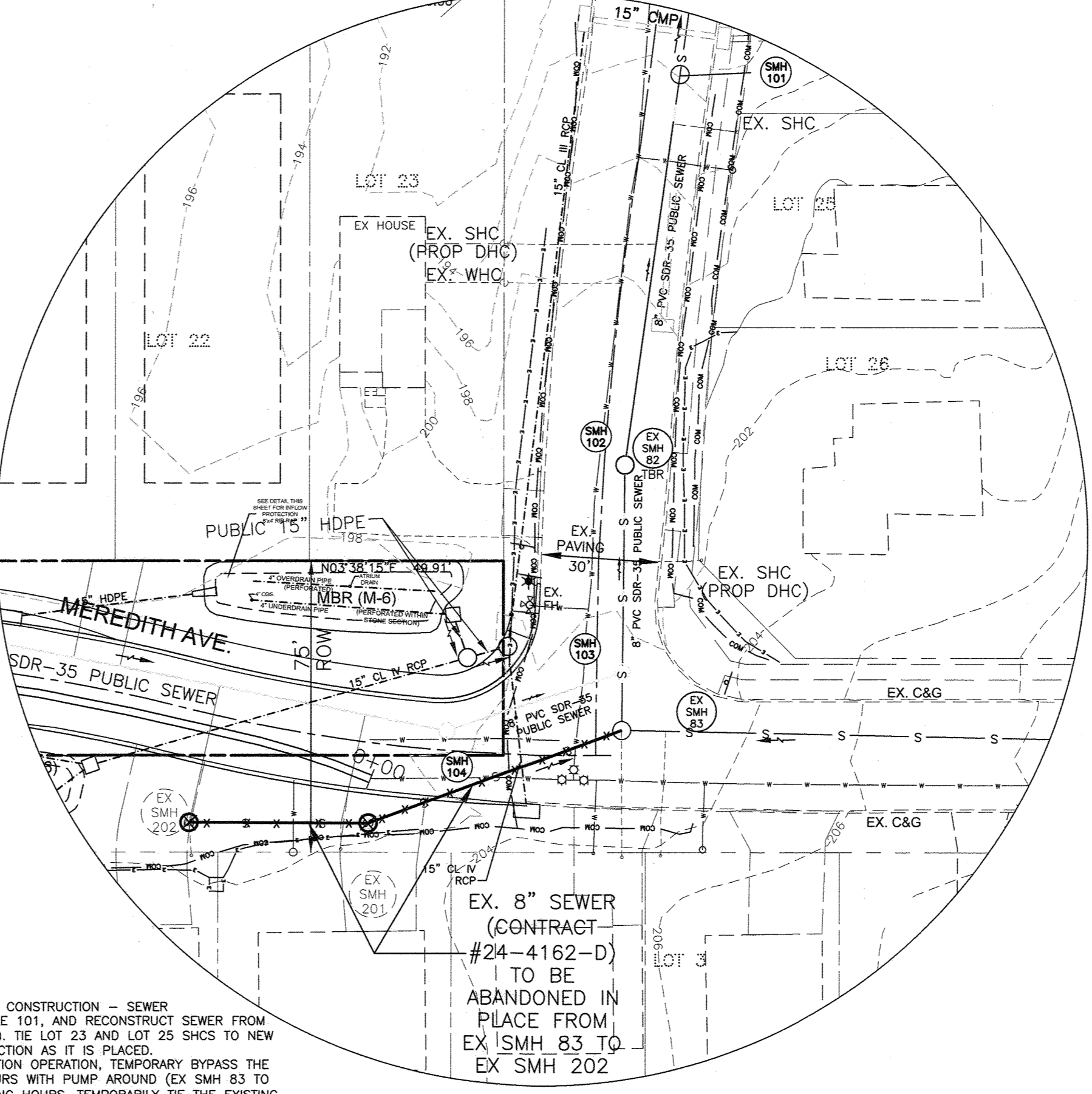


PLAN
SCALE: 1" = 50'
HORIZONTAL (IN FEET)
1 inch = 50 ft.

SHC TABLE					
LOT NO.	INVERT AT MAIN OR MH	DHC	INVERT AT EXH. ROW	MCE	REMARKS
32	188.15	Y	--	--	EXTEND EX. SHC
31	187.86	Y	--	--	EXTEND EX. SHC
26	187.28	Y	--	--	EXISTING SHC
25	185.64	Y	--	--	EXISTING SHC
23	186.47	Y	--	--	EXISTING SHC
22	187.77	--	188.33	192.30	
21	187.86	--	188.36	192.30	
20	188.27	--	188.61	192.50	
19	188.33	--	188.86	192.80	
18	188.77	--	189.11	193.00	
17	189.40	--	189.60	193.40	SHC @ MH

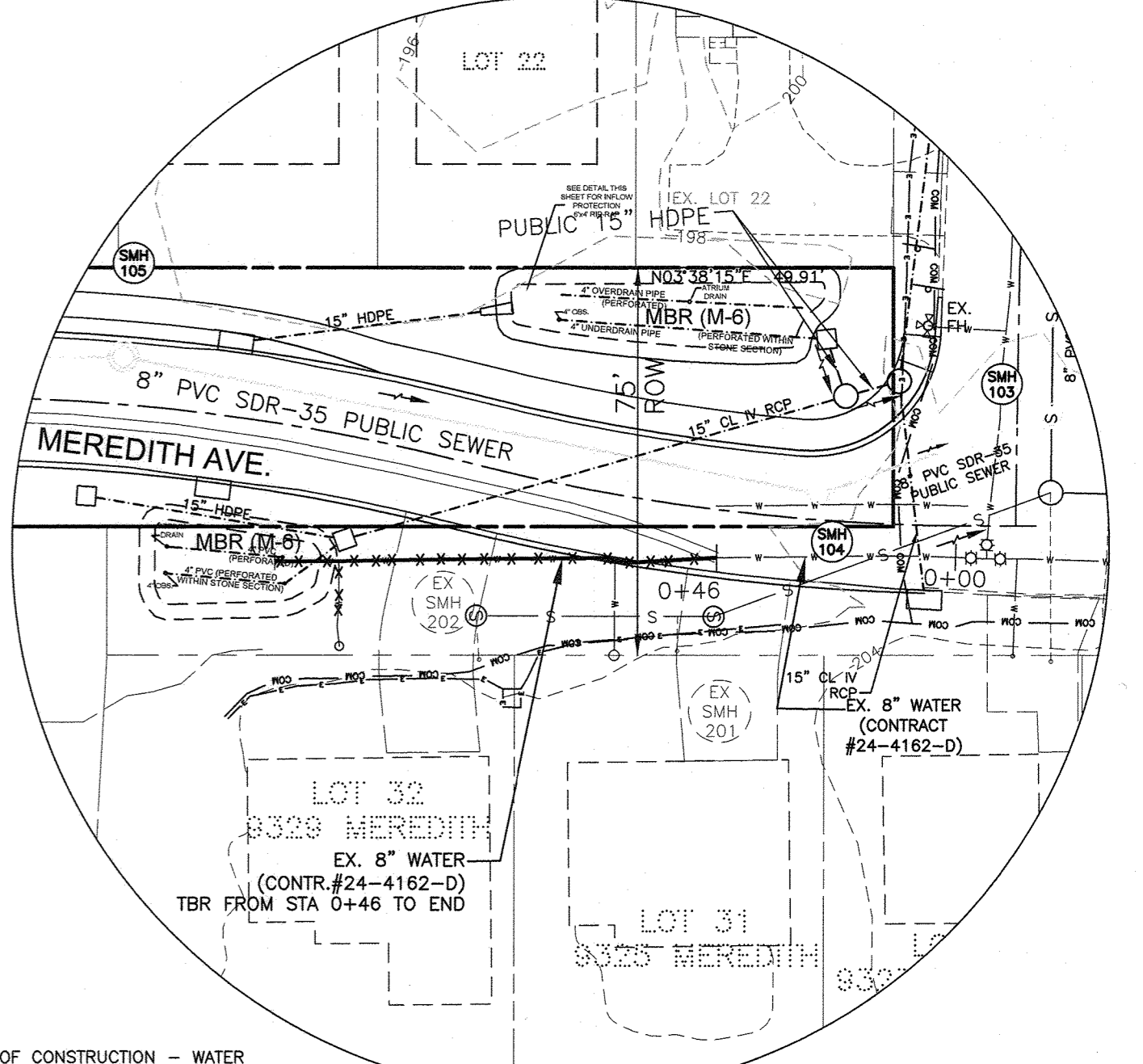
STRUCTURE TABLE							
NUMBER	TYPE	LOCATION	INVERT IN	INVERT OUT	TOP ELEV.	STD. DETAIL	REMARKS
101	48" MH	N 528849.2293, E 1358368.0343	185.35	--	193.94	HO. CO. STD. 0-5.14	DOGHOUSE MANHOLE
102	48" MH	N 528822.5129, E 1358400.2279	186.47	186.37	200.36	HO. CO. STD. 0-5.12	
103	48" MH	N 528824.9101, E 1358520.2805	186.83	186.73	202.75	HO. CO. STD. 0-5.12	DROP MANHOLE, TYPE B
104	48" MH	MEREDITH AVE. 0+42.50, 5.12' RIGHT	187.17	187.07	201.20	HO. CO. STD. 0-5.12	
105	48" MH	MEREDITH AVE. 1+79.31, 9.24' RIGHT	187.96	187.86	198.10	HO. CO. STD. 0-5.12	OFFSET CONE
106	48" MH	MEREDITH AVE. 3+32.32, 7.60' RIGHT	188.83	188.73	199.67	HO. CO. STD. 0-5.12	
107	48" MH	MEREDITH AVE. 3+71.15, 45.50' RIGHT	189.22	189.12	200.88	HO. CO. STD. 0-5.12	TERMINAL MANHOLE

WATER APPURTENANCES SCHEDULE		
APPURTENANCE	WATER LINE STATION	
1/16 HB	WL STA. 0+00.00	
2" HDC (VERT.)	WL STA. 0+01.50	
3" HDC (HORIZ.)	WL STA. 0+20.00	
3" HDC (HORIZ.)	WL STA. 0+30.00	
2" HDC (VERT.)	WL STA. 0+59.45	
1" HDC (HORIZ.)	WL STA. 0+63.95	
3" HDC (HORIZ.)	WL STA. 0+88.02	
3" HDC (HORIZ.)	WL STA. 1+08.02	
3" HDC (HORIZ.)	WL STA. 1+28.02	
3" HDC (HORIZ.)	WL STA. 1+48.02	
1" HDC (VERT.)	WL STA. 2+19.45	
8" 6" FT TEE	WL STA. 2+66.39	
FIRE HYDRANT	OFFSET 11.1' LEFT (WL)	
1" HDC (VERT.)	WL STA. 2+99.44	
BLOW-OFF	WL STA. 3+20.37	
8" CAP AND BUTTRISS	WL STA. 3+29.62	



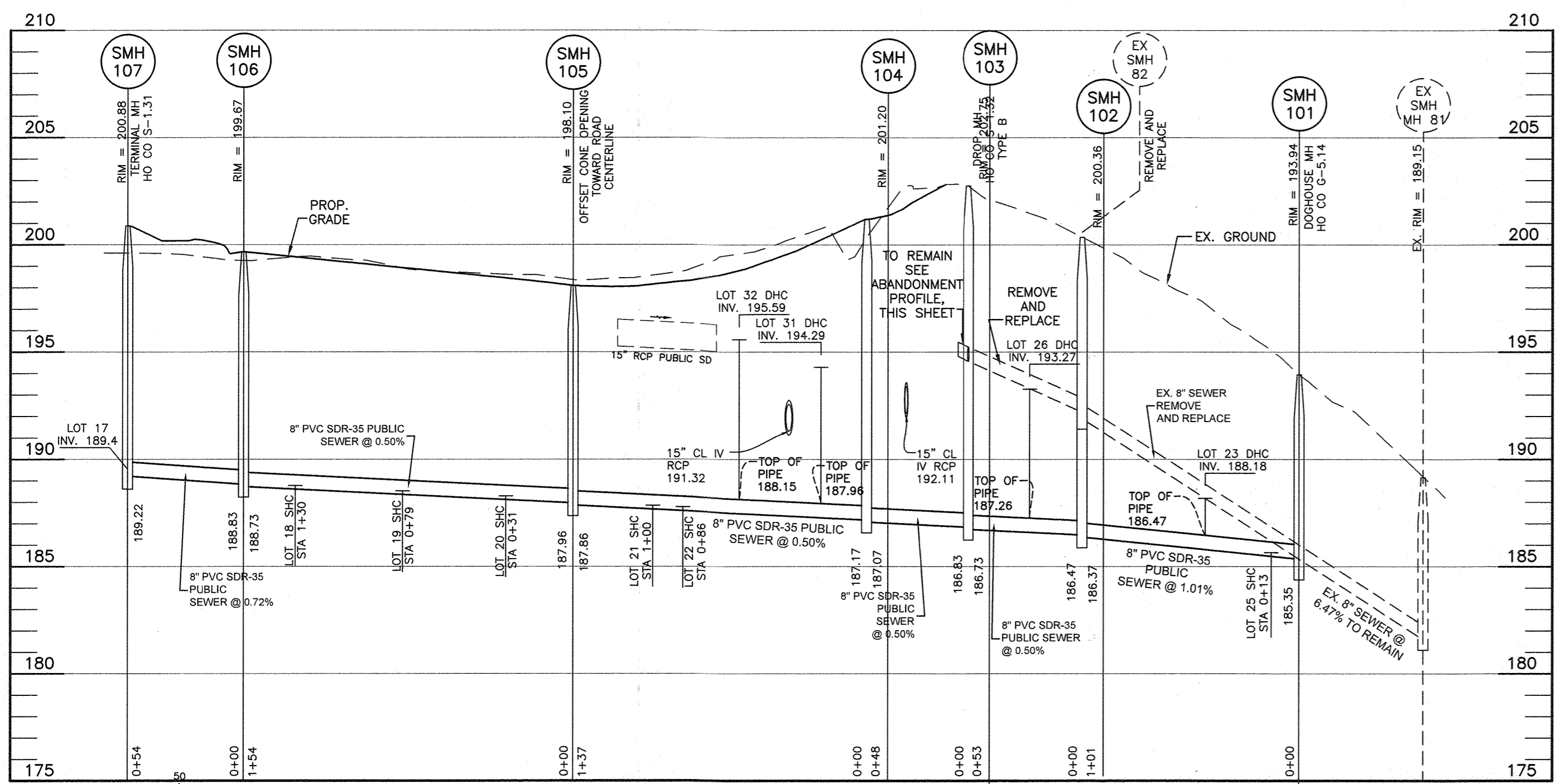
EXISTING SEWER ABANDONMENT IN-PLACE INSET
SCALE: 1"=30'

- SEQUENCE OF CONSTRUCTION - SEWER
- PLACE DOGHOUSE MANHOLE 101, AND RECONSTRUCT SEWER FROM SMH 101 TO 102 (EX 82). TIE LOT 23 AND LOT 25 SHCS TO NEW MAIN. TEST NEW CONSTRUCTION AS IT IS PLACED.
 - DURING THE RECONSTRUCTION OPERATION, TEMPORARILY BYPASS THE SEWER DURING WORK HOURS WITH PUMP AROUND (EX SMH 83 TO SMH 101). AFTER WORKING HOURS, TEMPORARILY TIE THE EXISTING SEWER INTO THE NEW SEWER AND REMOVE PUMP AROUND.
 - RECONSTRUCT SEWER FROM SMH 102 TO SMH 103. AFTER TESTING, CONNECT SHC FOR LOT 26.
 - INSTALL SEWER FROM SMH 103 TO SMH 107 AND TEST.
 - ABANDON SEWER IN PLACE WITH FLOWABLE FILL FROM EX SMH 202 TO EX SMH 83 AND THE SHCS FOR LOTS 31 AND 32, TO THE NEW MAIN.

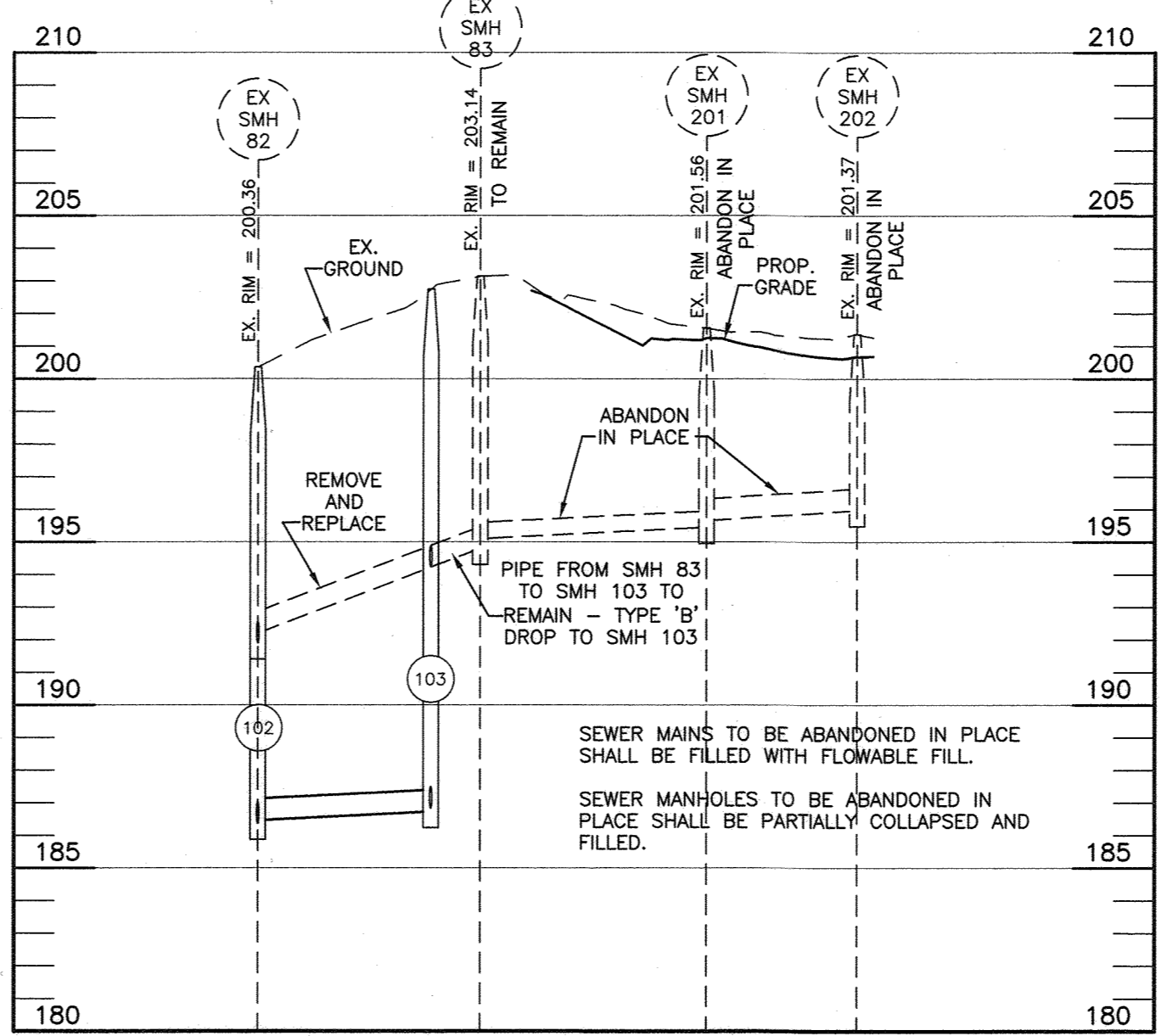


EXISTING WATER ABANDONMENT INSET
SCALE: 1"=30'

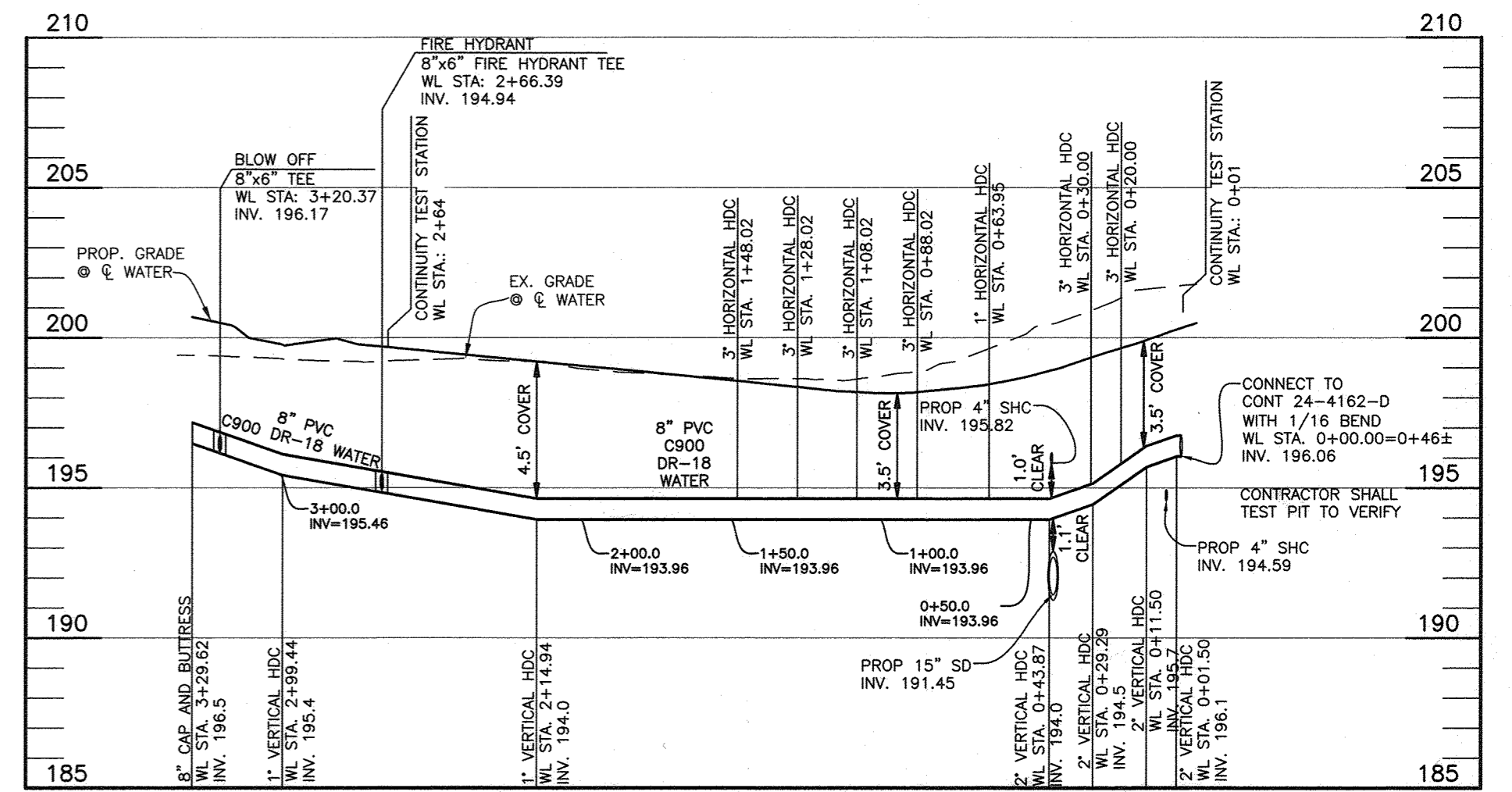
- SEQUENCE OF CONSTRUCTION - WATER
- INSTALL THE NEW 8" WATER MAIN, WITH TEMPORARY CAP AT APPROXIMATELY 0+03.
 - PERFORM HYDROSTATIC TESTING AND BACTERIA TESTING OF NEW MAIN.
 - CLOSE EXISTING VALVE ON CONTRACT 4162.
 - TIE-IN NEW MAIN TO EXISTING MAIN.
 - CONNECT EXISTING WATER HOUSE CONNECTIONS AT LOTS 31 & 32 TO THE EXISTING METER VAULTS, CUT OUT SECTIONS OF THE EXISTING MAIN, IF NECESSARY. STEPS 4 & 5 SHALL TAKE PLACE ON THE SAME DAY.
 - REMOVE EXISTING MAIN AFTER RECONNECTION OF THE EXISTING WATER HOUSE CONNECTIONS.



SMH 101 TO SMH 107 ABANDONMENT
SCALE: HORIZONTAL: 1"=50'
VERTICAL: 1"=5'



EX SMH 83 TO EX SMH 202 ABANDONMENT
SCALE: HORIZONTAL: 1"=50'
VERTICAL: 1"=5'



PUBLIC WATER PROFILE
SCALE: HORIZONTAL: 1"=50'
VERTICAL: 1"=5'

OWNER/DEVELOPER:
MEREDITH AVE., LLC
517 HORN POINT DRIVE
ANNAPOLIS, MD 21403
410-336-0708

HORIZONTAL (IN FEET)
1 inch = 50 ft.
VERTICAL (IN FEET)
1 inch = 5 ft.

ALL SHC'S AND DHC'S ARE AT A 2.0% UNLESS OTHERWISE NOTED.
ALL DROP CONNECTIONS ARE HO. CO. STD. S-2.12 TYPE 'A'

Professional Certification. 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. 28376, Expiration Date: 01-01-2025.

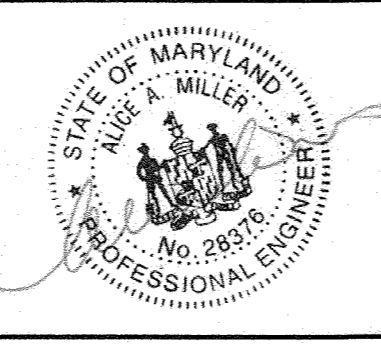
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 4/18/24
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 4/18/24
CHIEF, DEVELOPMENT ENGINEERING DIVISION

BENCHMARK ENGINEERING, INC.
ENGINEERS & LAND SURVEYORS & PLANNERS
3300 NORTH RIDGE ROAD & SUITE 140 & ELLIOTT CITY, MARYLAND 21043
(P) 410-485-6105 (F) 410-485-6644
WWW.BE-CVLENGRNG.COM



DESIGN: AAM	
DRAFT: AAM	
CHK: CAM	
DATE: MAR 2024	
BY NO.	
REVISIONS	
DATE	

FINAL PUBLIC WATER AND SEWER PLAN AND PROFILE

600 SCALE MAP #50
BLOCK: 4

MEREDITH AVENUE
NORTH LAUREL PARK, BLOCK 8, LOTS 17-23
TAX MAP: 50 GRID: 4 PARCEL: 426
ZONED: R-SC
ELECTION DISTRICT NO. 8th HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-5195-D

SCALE: AS SHOWN
SHEET NO. 2 OF 2