

**GENERAL NOTES**

- PART 1**
- 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 OCTOBER, 2015 BY ACCURATE INFRASTRUCTURE DATA.
  - 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. 36FC, NO. 36F1, NO. 37DA, AND NO. 37DB. ALL VERTICAL CONTROLS ARE BASED ON NAVD88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE DISCS IN CONCRETE.
  - 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 BY 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	800-252-1133
BGE (CONSTRUCTION SERVICES)	410-837-8713
BGE (EMERGENCY)	410-685-0123
BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE COMPANY	410-795-1390
MISS UTILITY	800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	800-743-0033

- 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. 17 POUND MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESES. 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 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 THE 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 ON 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 OF 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.

FIVE 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 (IPEX) 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 C-900 PVC PIPELINES, THE CONTRACTOR SHALL INSTALL 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 MEGA-STOP, AS MANUFACTURED BY EBAA IRON, INC. OR APPROVED EQUAL.

**NOTE**

AS-BUILT PLANS AND CERTIFICATION ARE REQUIRED FOR WATER CONSTRUCTION. THESE MUST BE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER. HOWARD COUNTY WILL NOT PERFORM THE INSPECTION OR PREPARE THE AS-BUILT PLANS OR CERTIFICATION. THE WATER PERMIT SECURITY WILL NOT BE RELEASED UNTIL THE AS-BUILT PLAN AND CERTIFICATION ARE APPROVED BY HOWARD COUNTY.

IT IS THE CONTRACTOR'S RESPONSIBILITY, ON BEHALF OF THE OWNER, TO ENGAGE A LICENSED PROFESSIONAL ENGINEER TO CERTIFY THE WATER CONSTRUCTION AND TO PREPARE AND SUBMIT AS-BUILT DRAWINGS. "CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ONSITE OBSERVATIONS AND/OR INSPECTIONS AT CRUCIAL MILESTONES DURING CONSTRUCTION OF THE FACILITY, MATERIAL TESTS CONDUCTED DURING CONSTRUCTION, AND POST-CONSTRUCTION SURVEYING AND VERIFICATION. VERIFICATION SHALL INCLUDE PHOTODOCUMENTATION CONSISTING OF AT LEAST TEN (10) PHOTOS AT EACH STAGE OF CONSTRUCTION PROGRESS.

**WATER QUANTITIES**

ITEM	ESTIMATED QUANTITY	AS-BUILT	
		QUANTITY	MANUFACTURER/SUPPLIER
8" WATER PIPE (PVC C900 CLASS DR-14)	3200 L.F.		
6" WATER PIPE (PVC C900 CLASS DR-14)	450 L.F.		
4" WATER PIPE (PVC C900 CLASS DR-14)	15 L.F.		
2" WATER PIPE (PVC C900 CLASS DR-14)	50 L.F.		
FIRE HYDRANT	10 EA		
12"x8" TAPPING SLEEVE & VALVE	2 EA		
12"x6" TAPPING SLEEVE & VALVE	1 EA		
8"x8" TEE	3 EA		
8"x6" TEE	10 EA		
8"x2" TEE	1 EA		
6"x4" TEE	1 EA		
8" VALVE	4 EA		
6" VALVE	11 EA		
2" VALVE	1 EA		
HIGH DEFLECTION COUPLINGS	26 EA		
1/8" HORIZONTAL BENDS	19 EA		
1/32" VERTICAL BENDS	2 EA		

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

- PART II WATER**
- ALL WATER MAINS SHALL BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
  - TOPS OF ALL WATER MAINS TO 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 THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
  - FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
  - TRACER WIRES AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER MAINS IN ACCORDANCE WITH THE 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 PIPES 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.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-19-048

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. Plat #: - - - ; SDP #: SDP-19-048

APPROVED  
*John P. Robertson* 7/10/19  
HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Amara S. King* 6-25-19  
BUREAU OF UTILITIES, CHIEF DATE

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*Chad W. ...* 7-25-19  
DEVELOPMENT ENGINEERING DIVISION, CHIEF DATE

SITERESOURCES  
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14315 Jaretteville Pike, Phoenix, MD 21131-0249  
410.683.3388 www.siteresourcesinc.com

PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE Aegis OF THE STATE OF MARYLAND, LICENSE NO. 5-28-19

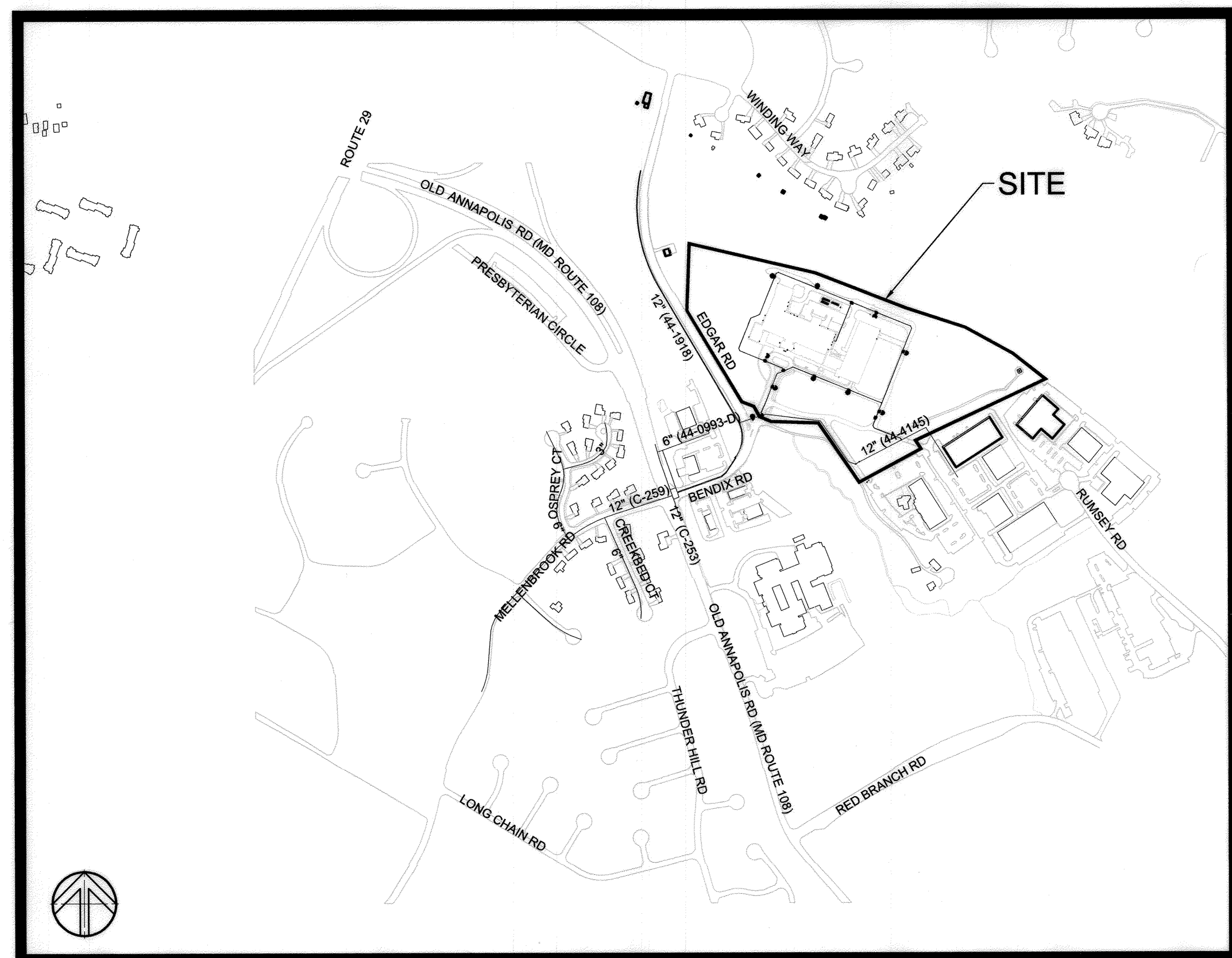
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DATE: 4/22/2019

BY	NO.	REVISION	DATE

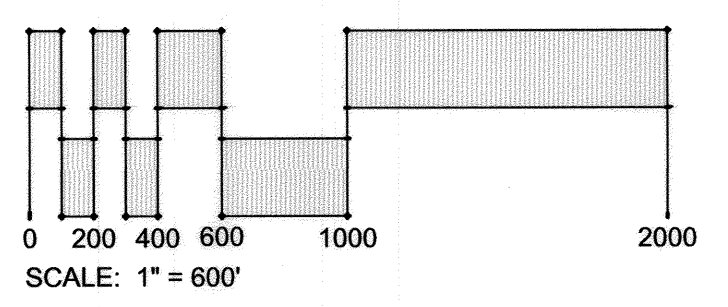
WATER ZONE: 630E  
TEST GRADIENT: 907  
TEST PRESSURE: 224 PSI

# HOWARD COUNTY CIRCUIT COURTHOUSE

## HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS CONTRACT NO. 24-5086-D



**LOCATION MAP**  
SCALE: 1" = 600'

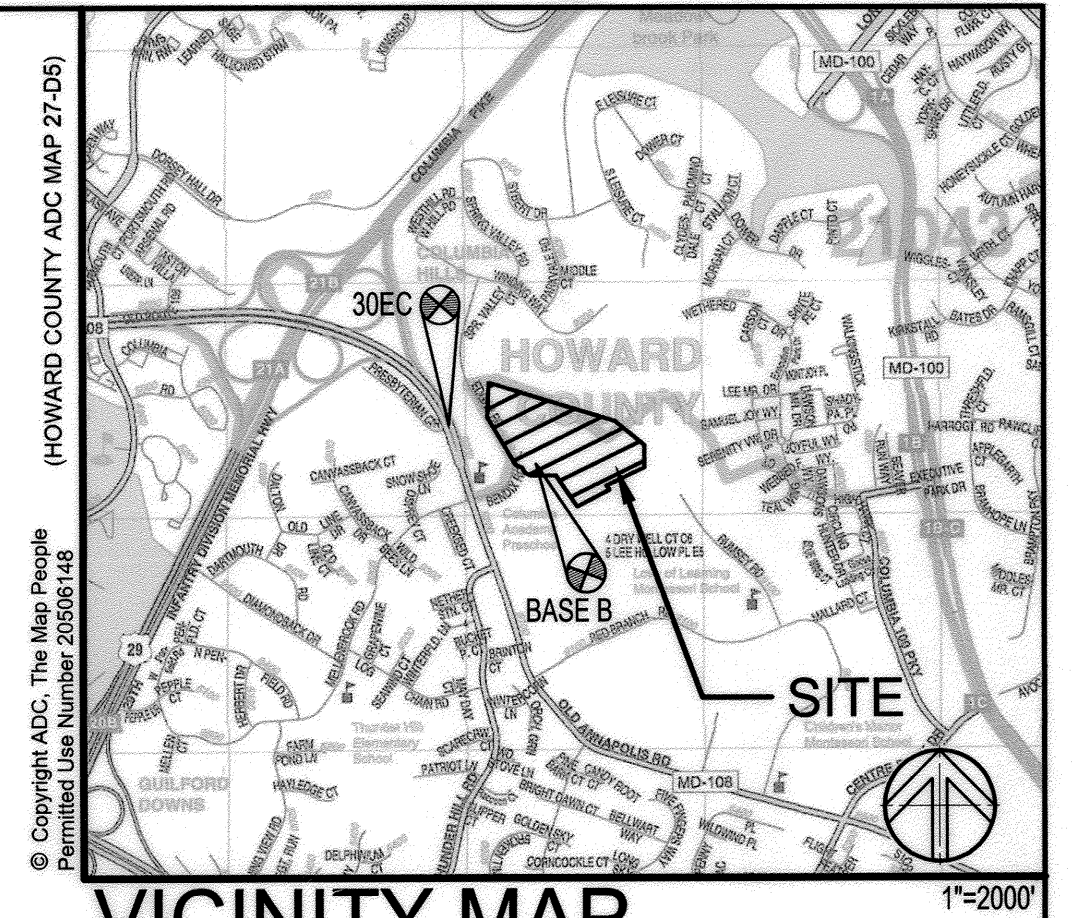


TYPE OF BUILDING:	COURT HOUSE
NUMBER OF LOTS:	1
NUMBER OF S.H.C.S.:	0
NUMBER OF W.H.C.S.:	1
AREA OF PARCEL:	28.95 AC.
SEWER SHED:	LITTLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT WATER RECLAMATION FACILITY
DISTURBED AREA:	17.57 AC.

**HOWARD COUNTY GEODETIC SURVEY CONTROL NUMBERS**

DESCRIPTION BENCH MARK: BASE B  
ALSO KNOWN AS: N/A  
NGS PID: N/A  
GENERAL LOCATION: REAR OF HOWARD C. DORSEY BUILDING (COLUMB) OR RD. NEAR LAR  
DESCRIPTION: DISC IN CONCRETE  
N: 571,690.120 E: 1,361,151.523  
NAVD88 ELEVATION: 375.747 sft.

DESCRIPTION BENCH MARK: 30EC\*  
ALSO KNOWN AS: N/A  
NGS PID: N/A  
GENERAL LOCATION: RT-108 CORNER PRESBYTERIAN CIRCLE  
DESCRIPTION: DISC IN CONCRETE  
N: 571,962.914 E: 1,360,059.950  
NAVD88 ELEVATION: 399.235 sft.



**OWNER/DEVELOPER**

HOWARD COUNTY, MARYLAND GEORGE HOWARD BUILDING ELLICOTT CITY, MD 21043 THOMAS MEUNIER, 410-313-7450	EDGEMOOR-STAR AMERICA JUDICIAL PARTNERS, LLC 7500 OLD GEORGETOWN ROAD BETHESDA, MD 20814 BRIAN DUGAN, 301-272-2998
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**SITE DATA**

ADDRESS:	9250 JUDICIAL WAY, ELLICOTT CITY, MD 21043
SECTION / AREA:	N/A
LIBER / FOLIO:	04138-00228
ZONE:	NT
TAX MAP NO.:	30
PARCEL NO.:	PARCEL 0257, LOT 61E
600 SCALE MAP NO.:	36
BLOCK NO.:	N/A
CONGRESS DISTRICT:	2
CENSUS TRACT:	602302

**LEGEND**

- PROPERTY LINE
- EXISTING WATER
- EXISTING SANITARY SEWER
- PROPOSED PUBLIC WATER
- PROPOSED PRIVATE WATER
- PROPOSED PRIVATE SEWER
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE

**DRAWING INDEX**

SHEET #	DRAWING TITLE
1	WATER COVER SHEET
2	WATER PLAN
3	WATER PROFILES
4	WATER PROFILES

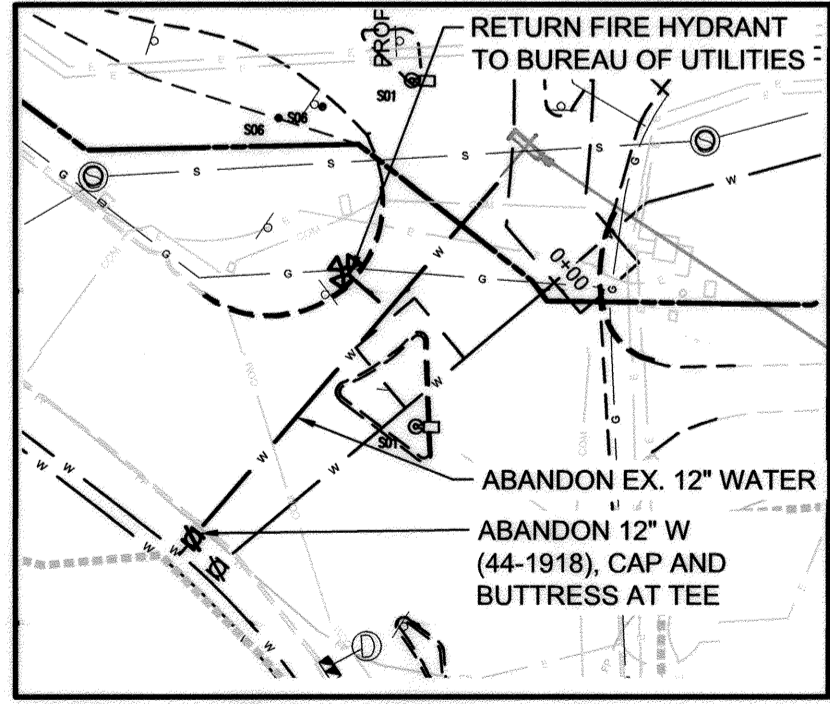
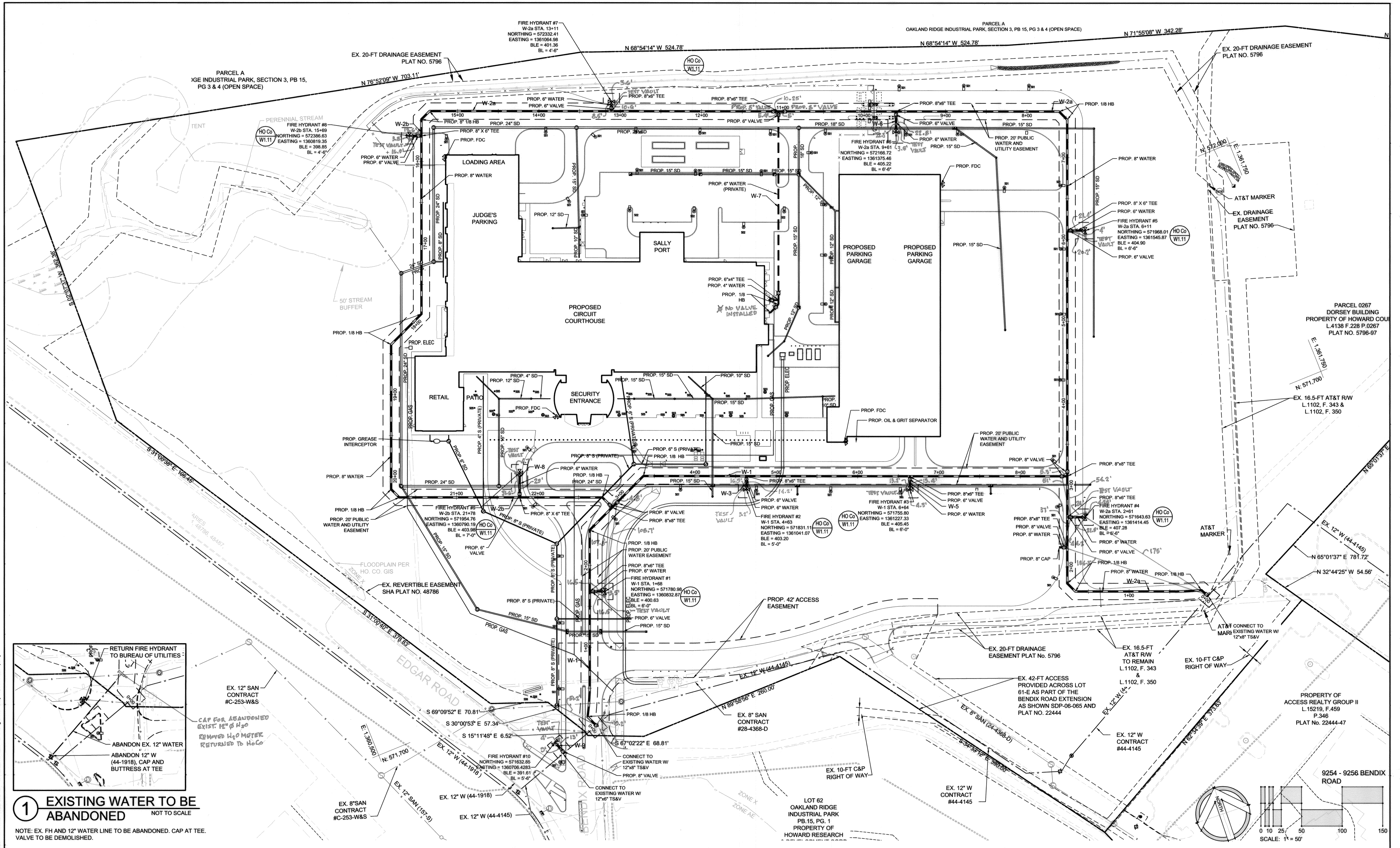
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SCALE:  
AS SHOWN  
SHEET NO.  
1 OF 4

**WATER COVER SHEET**

HOWARD COUNTY CIRCUIT COURTHOUSE  
9250 JUDICIAL WAY  
TAX MAP 30, GRID 9, LOT/PARCEL 267  
6th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 24-5086-D

TAX MAP NO. 30 BLOCK NO. N/A

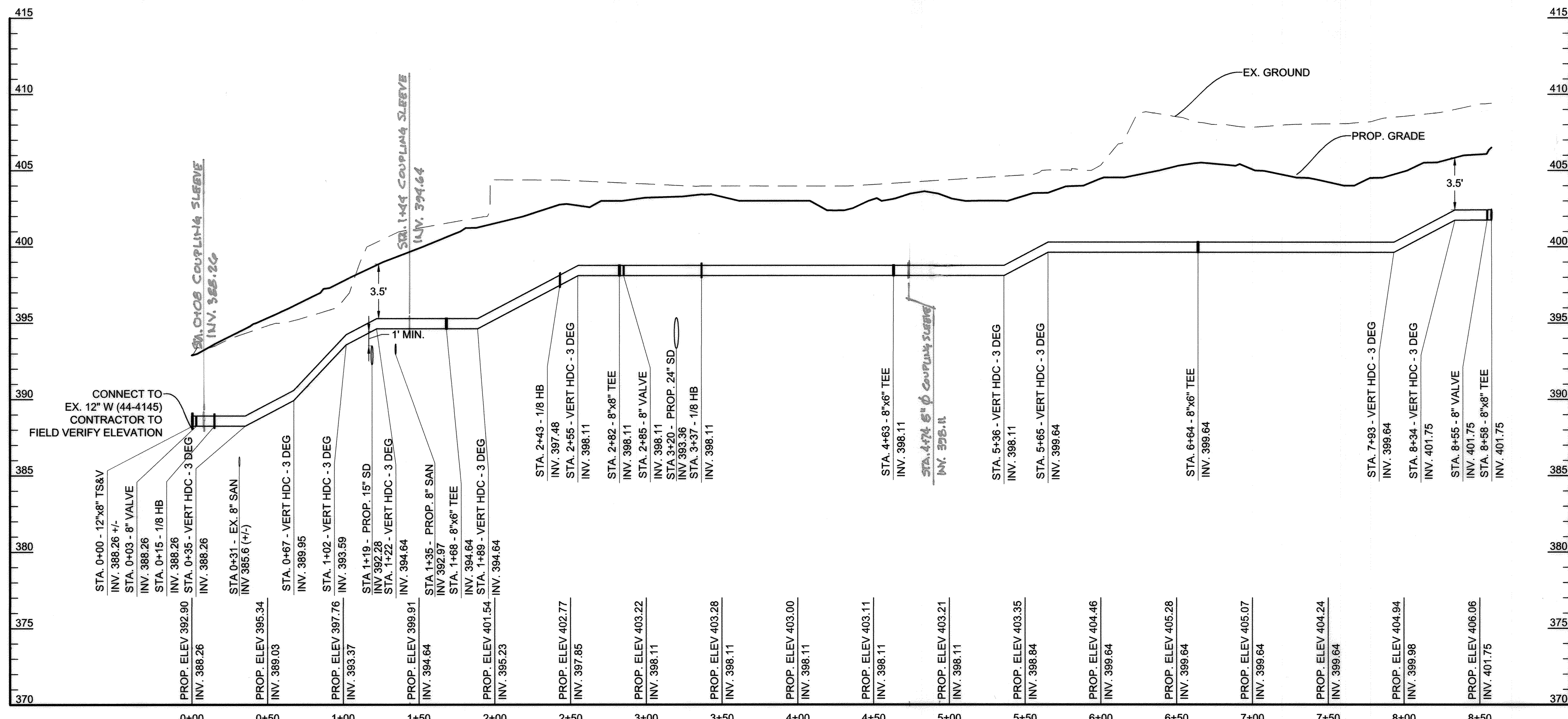


**1 EXISTING WATER TO BE ABANDONED** NOT TO SCALE

NOTE: EX. FH AND 12" WATER LINE TO BE ABANDONED. CAP AT TEE. VALVE TO BE DEMOLISHED.

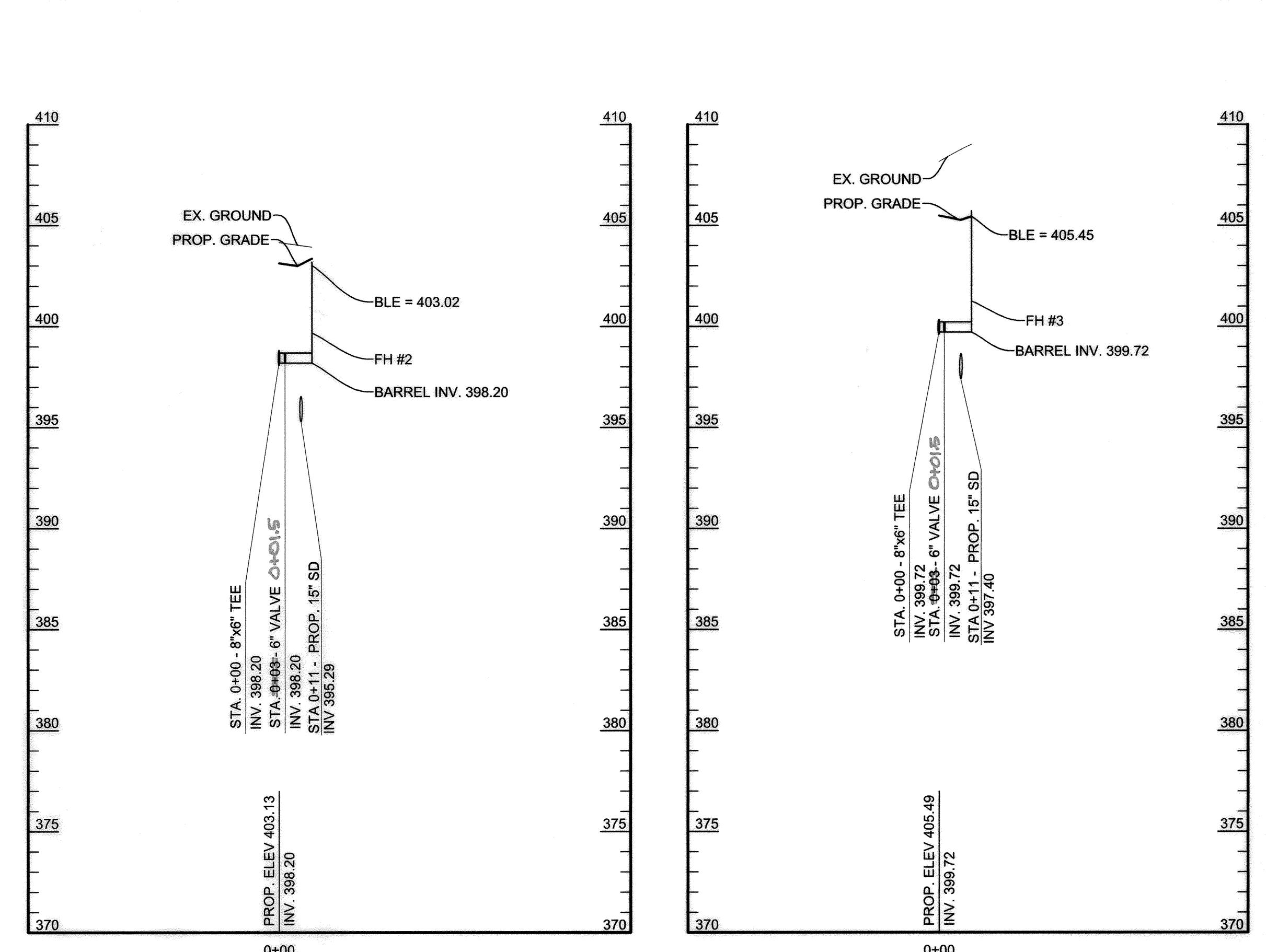
<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>Kevin P. [Signature]</i> BUREAU OF UTILITIES, CHIEF</p> <p>DATE: 6-25-19</p>	<p>DEPARTMENT OF PLANNING &amp; ZONING HOWARD COUNTY, MARYLAND</p> <p><i>[Signature]</i> DEVELOPMENT ENGINEERING DIVISION, CHIEF</p> <p>DATE: 7-23-19</p>	<p><b>SITERESOURCES</b> Creative Design. Successfully Engineered.</p> <p>14315 Jannetville Pike, Phoenix, MD 21131-0249 410.683.3398 www.siteresourcesinc.com</p> <p><i>[Signature]</i> DATE: 5-28-19</p>	<p>DES: SRI DRN: SRI CHK: SRI DATE: 4/22/2019</p> <p>BY NO. REVISION DATE TAX MAP NO. 30 BLOCK NO. N/A</p>	<p><b>WATER PLAN</b></p>	<p><b>HOWARD COUNTY CIRCUIT COURTHOUSE</b> 9250 JUDICIAL WAY TAX MAP 30, GRID 9, LOT/PARCEL 267 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 24-5086-D</p>	<p>SCALE: AS SHOWN</p> <p>SHEET NO. 2 OF 4</p>
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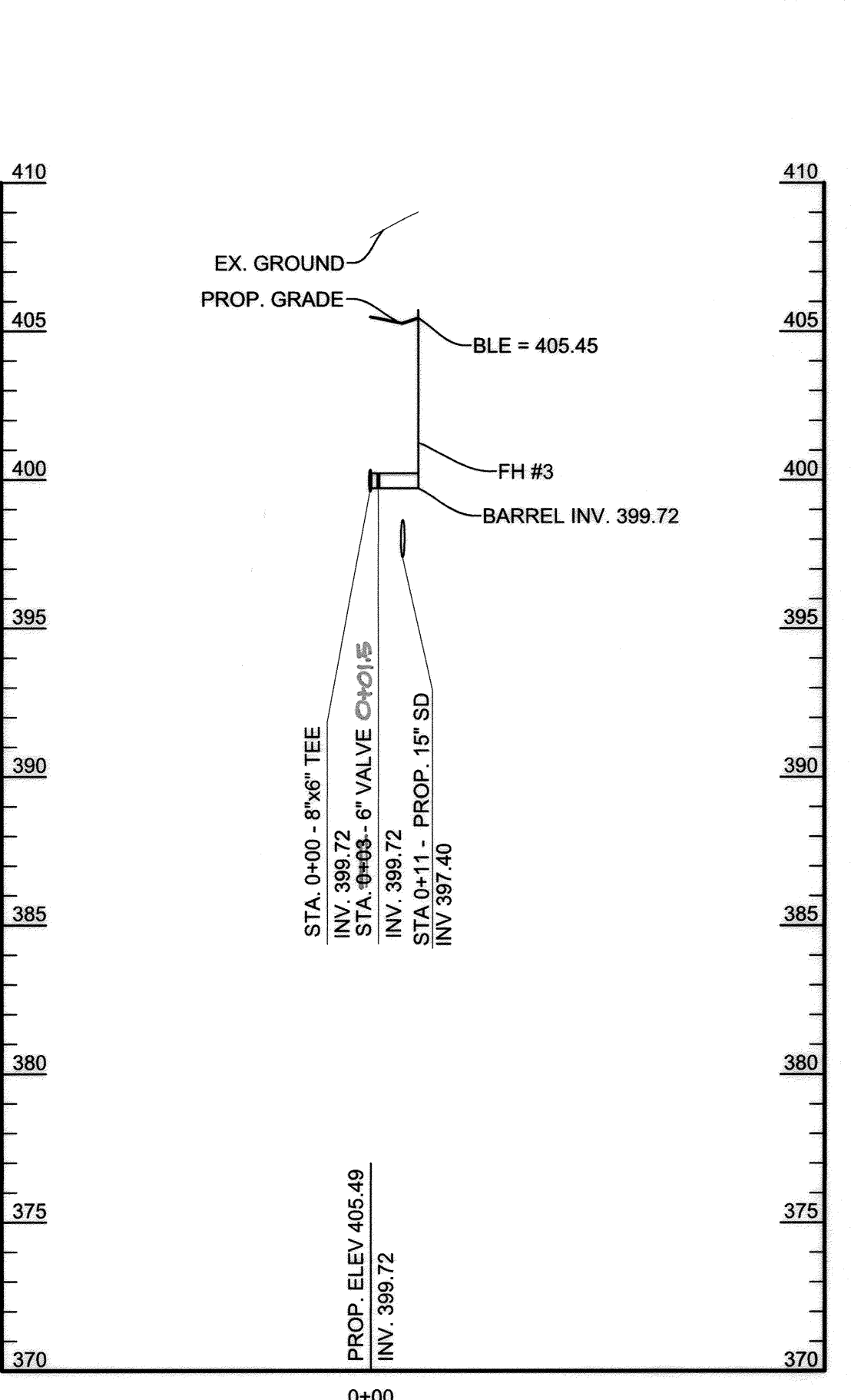
W-1 WATER PROFILE: 8" PVC C900

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



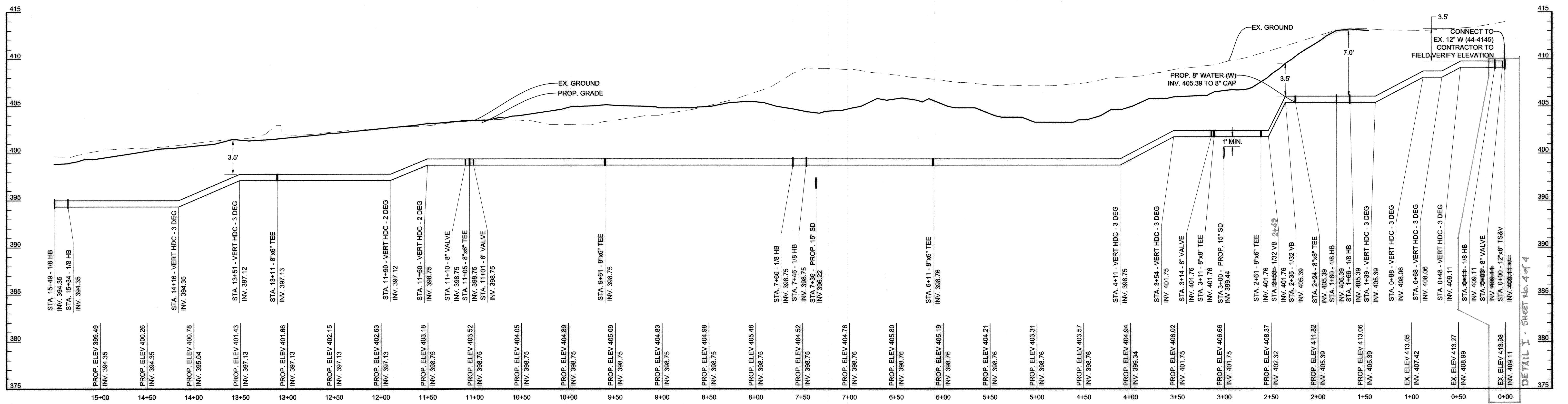
W-3 WATER PROFILE:  
6" PVC C900

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



W-5 WATER PROFILE:  
6" PVC C900

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'

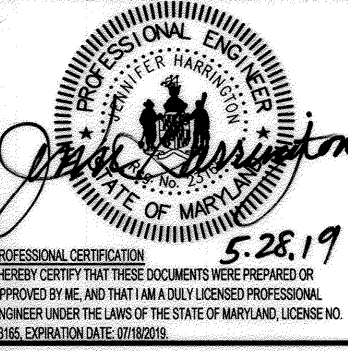


W-2a WATER PROFILE: 8" PVC C900

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND



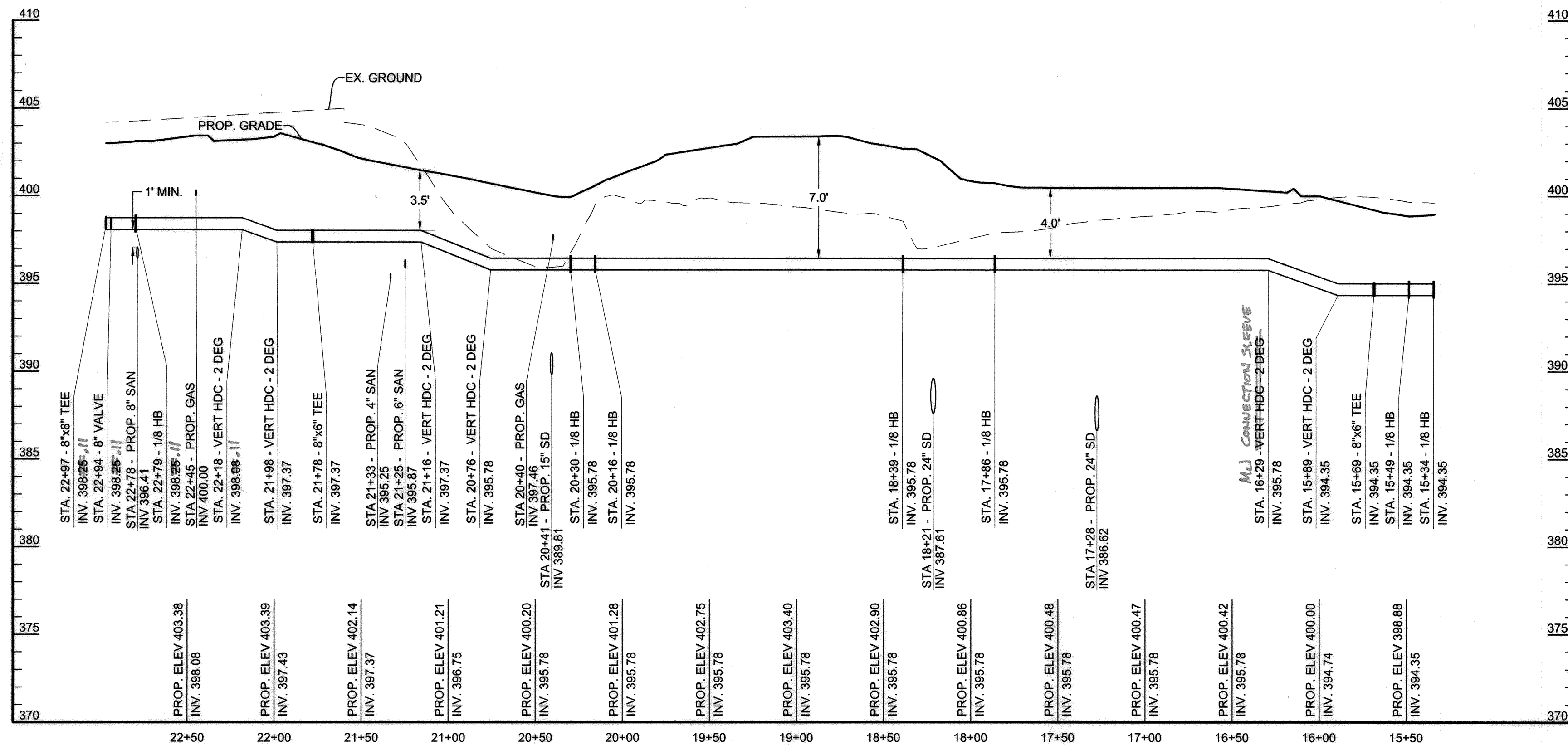
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CHK: SRI  
DATE: 4/22/2019

WATER PROFILES

HOWARD COUNTY CIRCUIT COURTHOUSE  
9250 JUDICIAL WAY  
TAX MAP 30, GRID 9, LOT/PARCEL 267  
8th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 24-5086-D

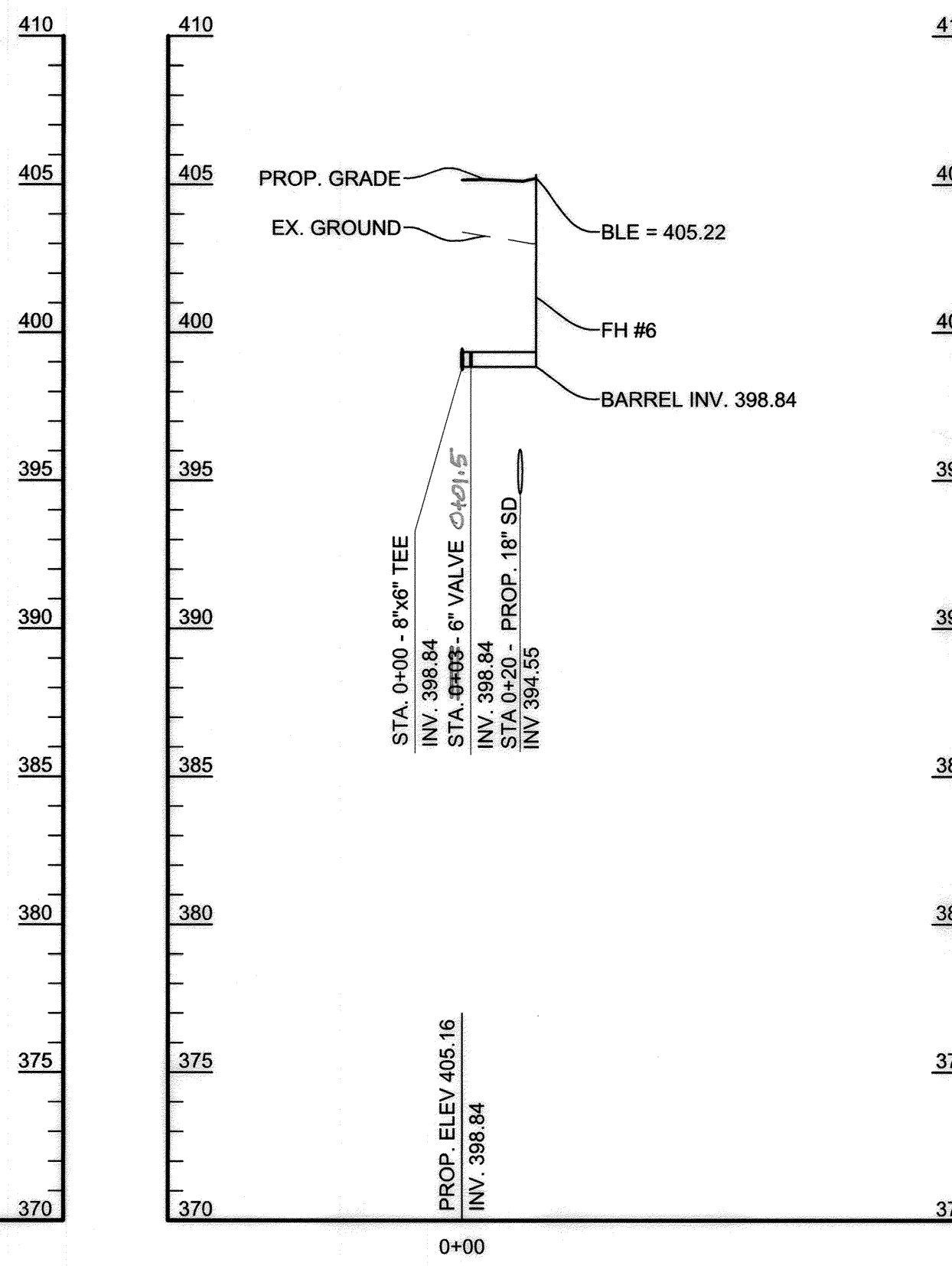
SCALE:  
AS SHOWN  
SHEET NO.  
3 OF 4

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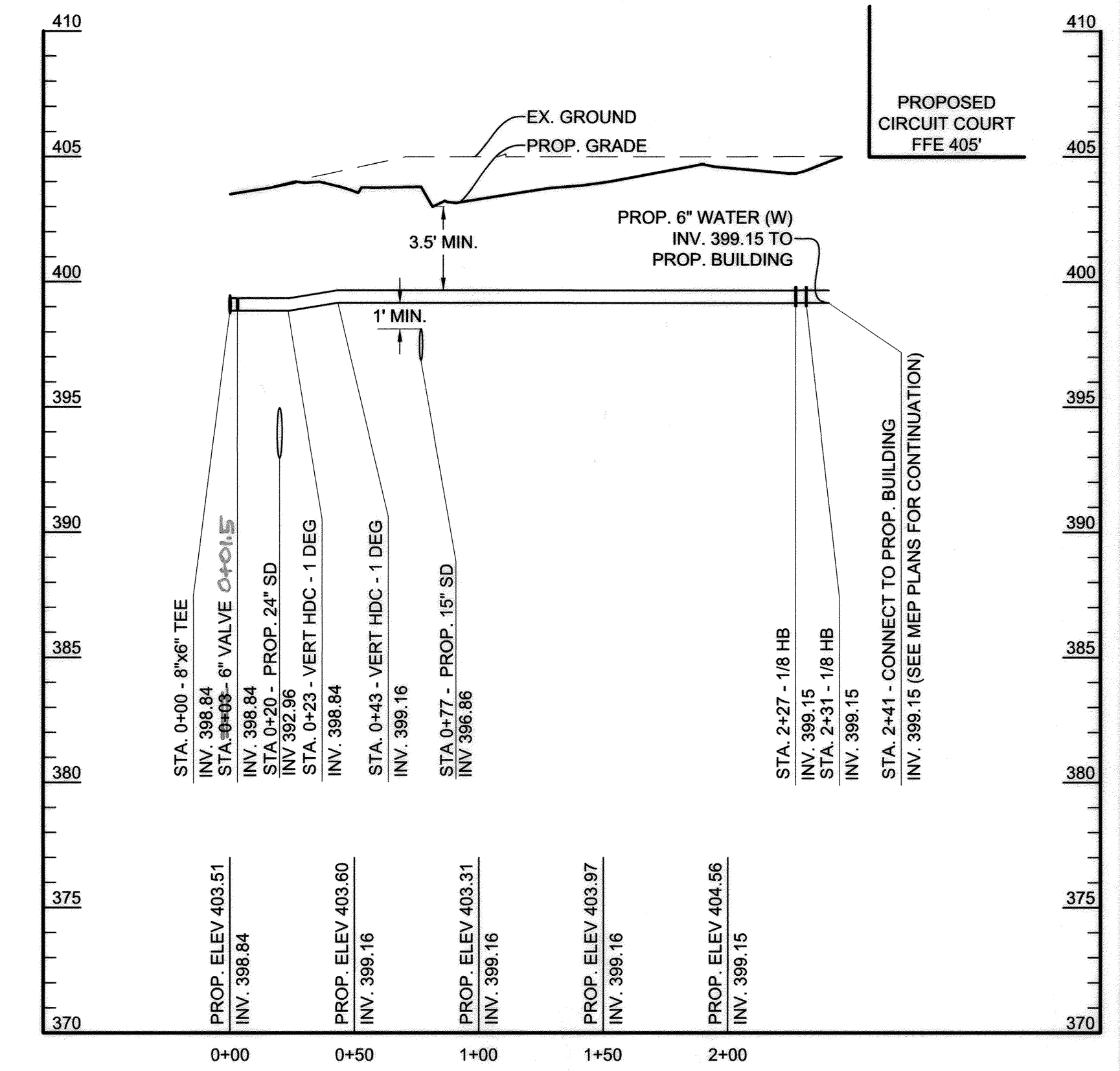
**W-2b WATER PROFILE: 8" PVC C900**

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



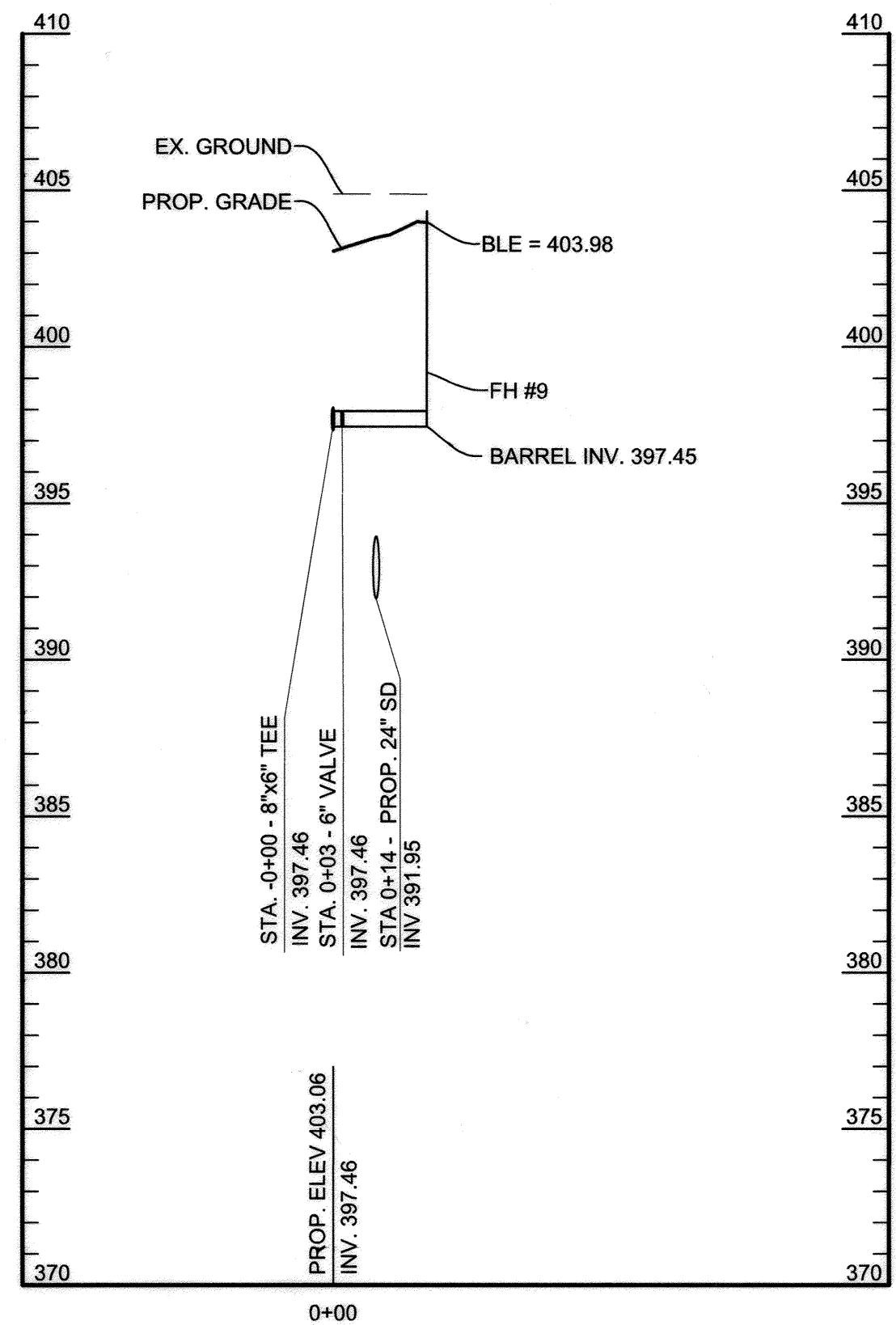
**W-6 WATER PROFILE: 6" PVC C900**

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



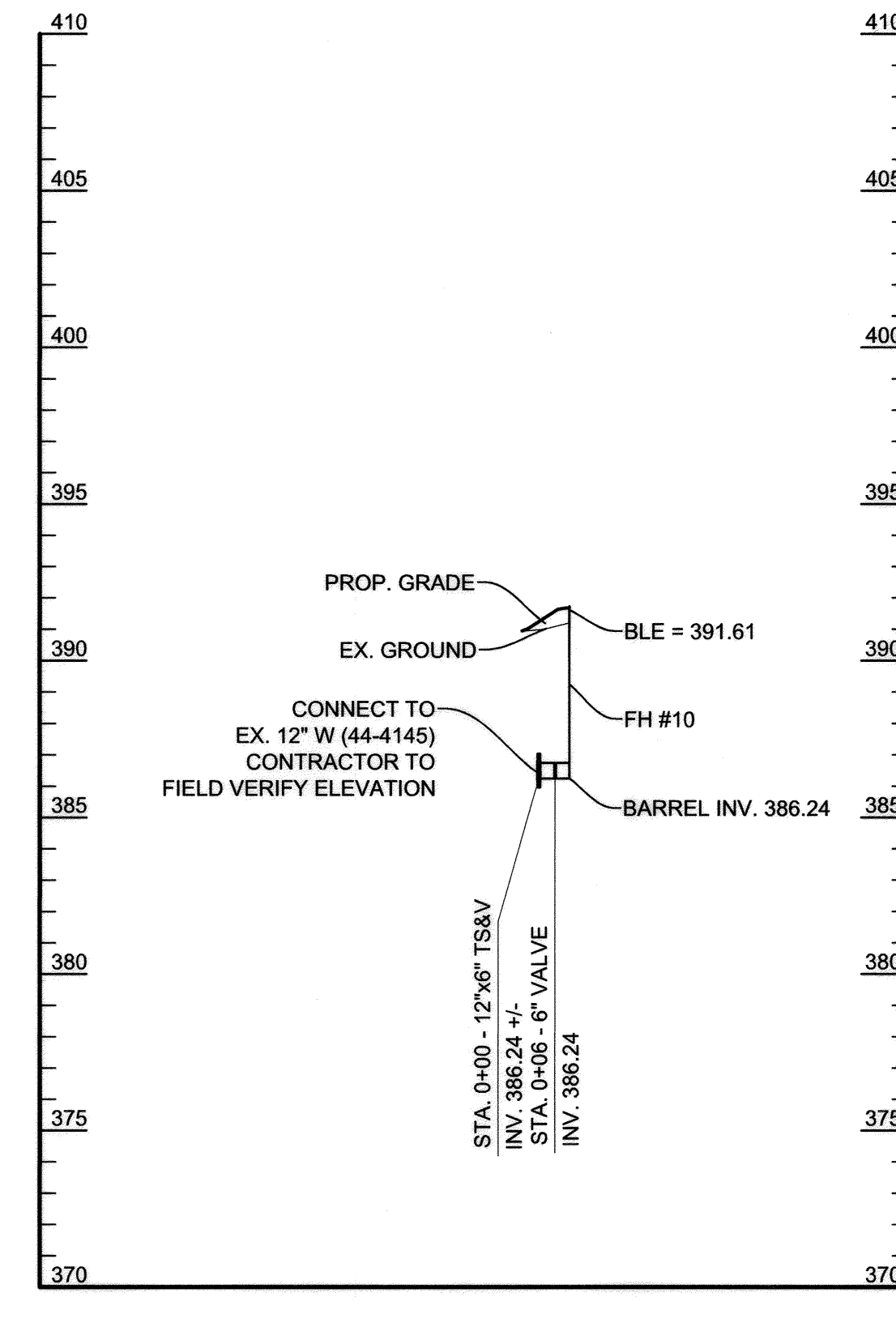
**W-7 WATER PROFILE: 6" PVC C900**

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



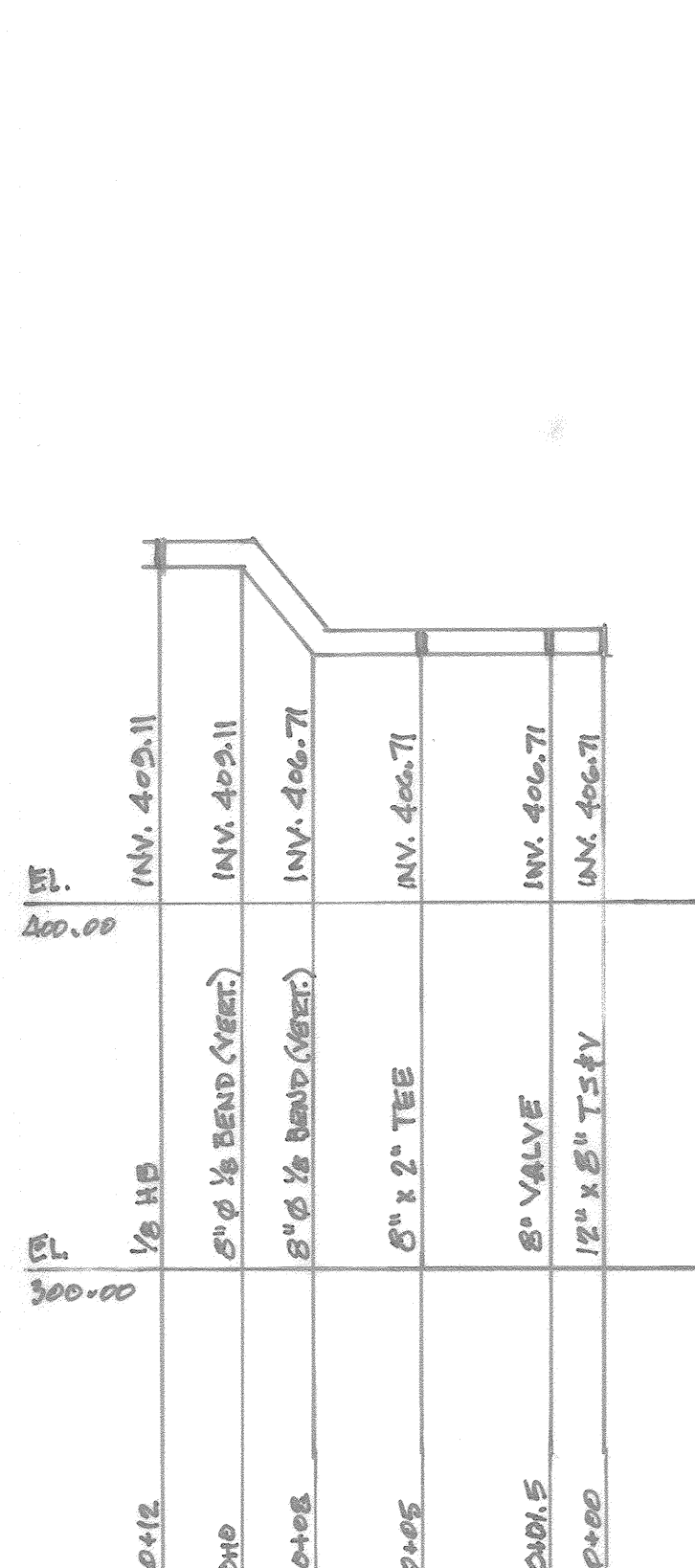
**W-8 WATER PROFILE: 6" PVC C900**

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



**W-9 WATER PROFILE: 6" PVC C900**

SCALES: HORIZ. 1" = 50'  
VERT. 1" = 5'



**DETAIL I**  
1/2" SH. NO. 1 OF 3  
SCALE: 1" = 5'

**FITTING TABLE**

STATION	APPURTENANCE TYPE	COORDINATES
W-1 AT STA. 0+00.00	PUBLIC 12"x8" TAPPING SLEEVE & VALVE	N: 571632.84 E: 1360760.53
W-1 AT STA. 0+15.00	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571647.06 E: 1360755.74
W-1 AT STA. 0+35.29	PUBLIC 8" VERT HDC - 3 DEG	N: 571665.24 E: 1360764.75
W-1 AT STA. 0+67.46	PUBLIC 8" VERT HDC - 3 DEG	N: 571694.65 E: 1360777.75
W-1 AT STA. 1+02.13	PUBLIC 8" VERT HDC - 3 DEG	N: 571726.78 E: 1360790.76
W-1 AT STA. 1+22.10	PUBLIC 8" VERT HDC - 3 DEG	N: 571745.29 E: 1360798.26
W-1 AT STA. 1+68.17	PUBLIC 8"x6" TEE	N: 571788.00 E: 1360815.56
W-1 AT STA. 1+88.76	PUBLIC 8" VERT HDC - 3 DEG	N: 571807.07 E: 1360823.29
W-1 AT STA. 2+43.12	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571857.46 E: 1360843.71
W-1 AT STA. 2+55.09	PUBLIC 8" VERT HDC - 3 DEG	N: 571862.13 E: 1360854.72
W-1 AT STA. 2+82.38	PUBLIC 8"x6" TEE	N: 571872.77 E: 1360879.86
W-1 AT STA. 3+36.66	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571893.93 E: 1360929.84
W-1 AT STA. 4+63.34	PUBLIC 8"x6" TEE	N: 571846.36 E: 1361047.25
W-1 AT STA. 5+36.15	PUBLIC 8" VERT HDC - 3 DEG	N: 571819.02 E: 1361114.73
W-1 AT STA. 5+65.25	PUBLIC 8" VERT HDC - 3 DEG	N: 571808.09 E: 1361141.71
W-1 AT STA. 6+64.25	PUBLIC 8"x6" TEE	N: 571770.92 E: 1361233.46
W-1 AT STA. 7+93.39	PUBLIC 8" VERT HDC - 3 DEG	N: 571722.42 E: 1361353.15
W-1 AT STA. 8+33.75	PUBLIC 8" VERT HDC - 3 DEG	N: 571707.27 E: 1361390.55
W-2A AT STA. 0+00.00	PUBLIC 12"x8" TAPPING SLEEVE & VALVE	N: 571497.57 E: 1361518.47
W-2A AT STA. 0+11.00	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571507.35 E: 1361513.44
W-2A AT STA. 0+47.71	PUBLIC 8" VERT HDC - 3 DEG	N: 571519.64 E: 1361478.86

**FITTING TABLE**

STATION	APPURTENANCE TYPE	COORDINATES
W-2A AT STA. 0+67.71	PUBLIC 8" VERT HDC - 3 DEG	N: 571527.15 E: 1361480.32
W-2A AT STA. 0+87.71	PUBLIC 8" VERT HDC - 3 DEG	N: 571534.66 E: 1361441.79
W-2A AT STA. 1+38.74	PUBLIC 8" VERT HDC - 3 DEG	N: 571553.82 E: 1361394.50
W-2A AT STA. 1+65.97	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571564.04 E: 1361369.26
W-2A AT STA. 1+80.11	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571577.06 E: 1361363.75
W-2A AT STA. 2+24.01	PUBLIC 8"x6" TEE	N: 571617.76 E: 1361380.23
W-2A AT STA. 2+34.59	PUBLIC 8" 1/32" VERTICAL BEND	N: 571627.56 E: 1361384.21
W-2A AT STA. 2+52.85	PUBLIC 8" 1/32" VERTICAL BEND	N: 571644.48 E: 1361391.06
W-2A AT STA. 2+60.84	PUBLIC 8"x6" TEE	N: 571651.89 E: 1361394.06
W-2A AT STA. 3+10.85	PUBLIC 8"x6" TEE	N: 571698.24 E: 1361412.84
W-2A AT STA. 3+53.95	PUBLIC 8" VERT HDC - 3 DEG	N: 571738.18 E: 1361429.02
W-2A AT STA. 4+11.17	PUBLIC 8" VERT HDC - 3 DEG	N: 571791.22 E: 1361450.51
W-2A AT STA. 6+10.84	PUBLIC 8"x6" TEE	N: 571976.28 E: 1361525.48
W-2A AT STA. 7+46.16	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 572101.70 E: 1361576.30
W-2A AT STA. 7+60.31	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 572114.72 E: 1361570.78
W-2A AT STA. 9+80.84	PUBLIC 8"x6" TEE	N: 572190.02 E: 1361384.92
W-2A AT STA. 11+05.45	PUBLIC 8"x6" TEE	N: 572244.32 E: 1361250.89
W-2A AT STA. 11+50.24	PUBLIC 8" VERT HDC - 2 DEG	N: 572261.14 E: 1361209.38
W-2A AT STA. 11+90.16	PUBLIC 8" VERT HDC - 2 DEG	N: 572276.13 E: 1361172.38
W-2A AT STA. 13+10.84	PUBLIC 8"x6" TEE	N: 572321.44 E: 1361060.53
W-2A AT STA. 13+51.07	PUBLIC 8" VERT HDC - 3 DEG	N: 572336.55 E: 1361023.25

**FITTING TABLE**

STATION	APPURTENANCE TYPE	COORDINATES
W-2A AT STA. 14+16.21	PUBLIC 8" VERT HDC - 3 DEG	N: 572361.07 E: 1360962.87
W-2A AT STA. 15+34.37	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 572405.38 E: 1360853.36
W-2B AT STA. 15+48.51	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 572399.86 E: 1360840.34
W-2B AT STA. 15+68.66	PUBLIC 8"x6" TEE	N: 572381.19 E: 1360832.77
W-2B AT STA. 15+89.24	PUBLIC 8" VERT HDC - 2 DEG	N: 572362.11 E: 1360825.04
W-2B AT STA. 16+29.22	PUBLIC 8" VERT HDC - 2 DEG	N: 572325.06 E: 1360810.03
W-2B AT STA. 17+86.16	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 572179.61 E: 1360751.10
W-2B AT STA. 18+38.94	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 572159.03 E: 1360702.50
W-2B AT STA. 20+15.56	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571995.33 E: 1360636.18
W-2B AT STA. 20+29.70	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571982.31 E: 1360641.69
W-2B AT STA. 20+75.56	PUBLIC 8" VERT HDC - 2 DEG	N: 571965.09 E: 1360684.20
W-2B AT STA. 21+15.53	PUBLIC 8" VERT HDC - 2 DEG	N: 571950.08 E: 1360721.24
W-2B AT STA. 21+77.68	PUBLIC 8"x6" TEE	N: 571926.75 E: 1360778.84
W-2B AT STA. 21+98.26	PUBLIC 8" VERT HDC - 2 DEG	N: 571919.02 E: 1360797.92
W-2B AT STA. 22+18.25	PUBLIC 8" VERT HDC - 2 DEG	N: 571911.51 E: 1360816.44
W-2B AT STA. 22+79.48	PUBLIC 8" 1/8" HORIZONTAL BEND	N: 571888.52 E: 1360873.19
W-7 AT STA. 0+23.27	PRIVATE 6" VERT HDC - 1 DEG	N: 572222.75 E: 1361242.15
W-7 AT STA. 0+43.27	PRIVATE 6" VERT HDC - 1 DEG	N: 572204.22 E: 1361234.64
W-7 AT STA. 2+27.29	PRIVATE 6" 1/8" HORIZONTAL BEND	N: 572033.64 E: 1361165.54
W-7 AT STA. 2+31.50	PRIVATE 6" 1/8" HORIZONTAL BEND	N: 572031.99 E: 1361161.63
W-9 AT STA. 0+00.00	PUBLIC 12"x8" TAPPING SLEEVE & VALVE	N: 571617.15 E: 1360712.43

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DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*David Sharp*  
BUREAU OF UTILITIES, CHIEF  
DATE: 6-25-19

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND  
*Chad Church*  
DEVELOPMENT ENGINEERING DIVISION, CHIEF  
DATE: 7-23-19

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BY	NO.	REVISION	DATE

**WATER PROFILES**

TAX MAP NO. 30      BLOCK NO. N/A

**HOWARD COUNTY CIRCUIT COURTHOUSE**  
9250 JUDICIAL WAY  
TAX MAP 30, GRID 9, LOT/PARCEL 267  
6th ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 24-5086-D

SCALE:  
AS SHOWN  
SHEET NO.  
4 OF 4