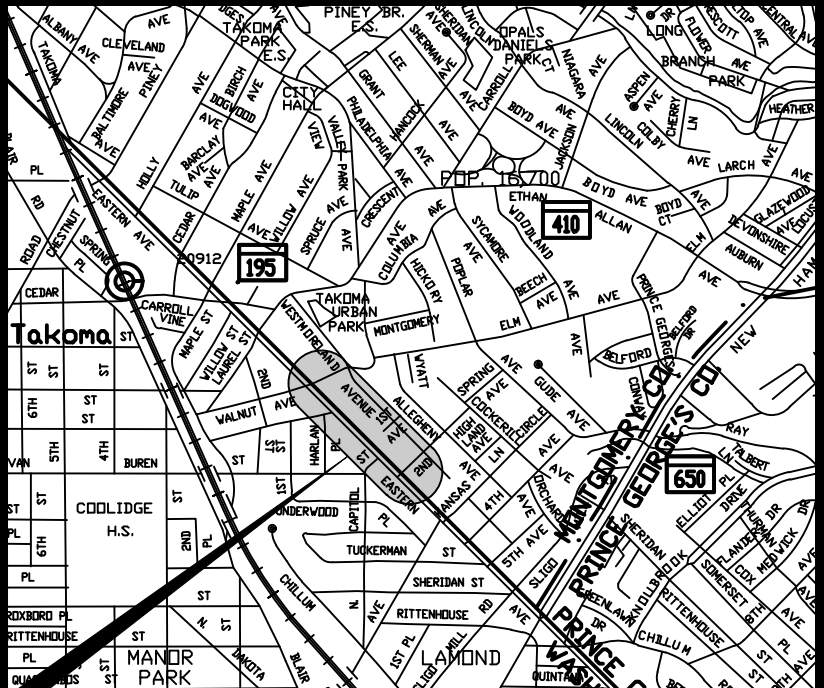


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TAKOMA PARK  
WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS  
EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND  
CONTRACT NO. BR/CR/LR5355D12 (PHASE 2)



SITE NO.  
BR/CR/LR5355D12

VICINITY MAP  
SCALE 1"=2000'  
MONTGOMERY CO. ADC MAP: 5408, GRID J5

- GENERAL NOTES
1.

ALL WATER MAINS TO BE DUCTILE IRON PIPE WITH ZINC COATING CLASS 54 MIN.

2.

ALL DUCTILE IRON WATER MAINS AND FITTINGS TO BE V-BIO ENHANCED POLYETHYLENE ENCASED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA STANDARD C105, METHOD A AND FIELD COAT UP TO 5 FEET ON EITHER SIDE OF CONNECTION, AS FIELD EXPOSURE PERMITS AND OVERLAP POLYWRAP FROM NEW DUCTILE IRON PIPE.

3.

ALL DUCTILE IRON FITTINGS TO BE FUSION BONDED EPOXY COATED.

4.

ALL GRAVITY SEWER MAINS SHALL BE PVC AWWA C900.

5.

THE COMMISSION WILL FURNISH ONLY THE MATERIALS INDICATED BY THE STANDARD SPECIFICATION AS "THE COMMISSION WILL FURNISH...". ALL OTHER MATERIALS SHALL BE FURNISHED BY THE CONTRACTOR.

6.

LICENSED GEOTECHNICAL ENGINEER TO PERFORM COMPACTION TESTING FOLLOWING ASTM D1556, ASTM D6938 OR ASTM D2937AT A MINIMUM RATE OF 1 TEST FOR EVERY 100 FEET OF FILL ALONG MAIN TRENCH AND AT EVERY LATERAL TRENCH, STRUCTURE AND VALVE BOX IN TYPE I AREAS.

7.

CONTRACTOR SHALL TEST PIT EXISTING WATER MAIN CONNECTION LOCATIONS TWO (2) WEEKS PRIOR TO WORK IN THE VICINITY. WSSC WATER IS TO BE PROMPTLY INFORMED OF ANY VARIANCES. THERE IS THE POSSIBILITY OF ENCOUNTERING POURED LEAD JOINTS. IF POURED JOINT PIPE IS FOUND, REPLACE WITH MECHANICAL JOINT PIPE AND FITTINGS. REMOVAL OF THE JOINT IS INCIDENTAL TO THE CONTRACT.

8.

EXISTING FIRE HYDRANTS AND VALVES TO BE REPLACED SHALL BE SALVAGED AND RETURNED TO WSSC WATER ANACOSTIA WAREHOUSE. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO THE PROCEDURES FOR RETURNING SCRAP MATERIALS TO WSSC WATER AS OUTLINED IN THE STANDARD SPECIFICATIONS SECTION 01110. EXISTING MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, IRON PIPE, COPPER, BRASS, VALVE BOXES, FIRE HYDRANTS AND VALVES TO BE REPLACED.

9.

CONNECT NEW SEWER MAIN TO PRECAST MANHOLES IN ACCORDANCE WITH STD. DETAIL S/1.0.

10.

ALL WHC'S ARE TO BE COPPER, TYPE "K", 1.5" DIAMETER. SEE STD. DETAIL W/5.7.

11.

ALL GRAVITY SHC'S ARE TO BE 4" DIAMETER PVC. SEE STD. DET. S/5.0 AND S/6.2. NEW SHC'S ARE TO BE INSTALLED AT CONSTANT GRADE TO THE NEW MAIN.

12.

RECONNECT EXISTING SEWER HOUSE CONNECTIONS TO THE REPLACEMENT SEWER MAIN, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

13.

PROVIDE TEMPORARY BYPASS PUMPING AS NEEDED TO MAINTAIN SEWER FLOW DURING CONSTRUCTION FOR THE SEWER REPLACEMENT.

14.

CONTRACTOR SHALL NOT STOCKPILE MATERIALS OR EQUIPMENT WITHIN THE DRIP-LINE OF ANY TREES.

15.

TREE TRUNK PROTECTION, TREE PROTECTION FENCE, ROOT PRUNING, AND SILT FENCE ARE SHOWN AT TENTATIVE LOCATIONS. ACTUAL LOCATIONS WILL BE SET DURING PRECONSTRUCTION MEETING WITH CITY OF TAKOMA PARK.

16.

PROVIDE TREE TRUNK PROTECTION PER STANDARD DETAIL SC/19.0, EXCEPT NOMINAL 2"X10" OR 2"X12" PINE BOARDS MAY BE USED.

17.

CONTRACTOR SHALL FIELD LOCATE ALL WATER AND SEWER HOUSE CONNECTIONS. THE CONTRACTOR AT NO COST TO WSSC WATER SHALL REPAIR ANY DAMAGE TO HOUSE CONNECTIONS AND WATER MAINS CAUSED BY CONTRACTOR.

18.

RELOCATED AND/OR REPLACED WHC'S SHALL BE PLACED IN LOCATIONS THAT MINIMIZE IMPACT TO TREES.

19.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING STORAGE AREA(S) AND FOR MOBILIZATION TO AND FROM SUCH AREA(S) AT NO ADDITIONAL COST TO THE COMMISSION.

20.

ALL SHUTDOWNS SHALL BE LIMITED TO 8 HOURS. ALL WATER MAIN VALVES NECESSARY FOR SHUTDOWNS TO BE LOCATED AND OPERATED BY WSSC'S UTILITY SERVICE GROUP REPRESENTATIVES PRIOR TO COMMENCEMENT OF SHUTDOWNS.

21.

CONTRACTOR MUST CONTACT THE FOLLOWING PERSONS/AGENCIES AT LEAST FOURTEEN (14) DAYS PRIOR TO START OF ANY WORK UNDER THIS CONTRACT:

-

KEVIN LETHBRIDGE, CONSTRUCTION MANAGER, PIPELINE CONSTRUCTION DIVISION OF WSSC WATER, LYTTONSVILLE DEPOT AT (301) 206-7339.

-

DARYL BRAITHWAITE, TAKOMA PARK PUBLIC WORKS DIRECTOR, (301) 891-7615

-

ENVIRONMENTAL GROUP OF WSSC WATER AT (301) 206-8075

22.

ABANDONED WATER MAINS 8" DIAMETER AND LARGER SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL (FLOWABLE FILL) PER WSSC WATER STANDARD SPECIFICATION 02510 AND 03300.

23.

VALVE STEM EXTENSIONS SHALL BE INSTALLED PER WSSC WATER STANDARD DETAIL W/2.2 ON ALL OPERATING NUTS WITH MORE THAN 4' OF COVER.
- SERVICE AREA 495A

HHG = 500'  
LHG = 410'
- DESIGNED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

FIELD REVIEW BY: \_\_\_\_\_

DATE: \_\_\_\_\_

EXISTING WATER MAINS TO BE REPLACED/ RELOCATED  
(SHEETS 3-6)

SHEET NO.	STREET	EXISTING WATER MAIN SIZE	REPLACEMENT WATER MAIN SIZE	LENGTH	RENEWAL METHOD	FROM	TO
3-4	EASTERN AVENUE	4"	8"	297'	RELOCATE	-	FH INSTALLED UNDER PHASE 1
5-6	1ST AVENUE	-	8" / 4"	155' / 24'	INSTALL NEW	WESTMORELAND AVENUE	-
9	2ND AVENUE	8"	8"	20'	REPLACE	V201	-

TOTAL 4" WATER = 24' = 0.01 MILES

TOTAL 8" WATER = 472' = 0.09 MILES

TOTAL 8" SEWER = 171' = 0.03 MILES

EXISTING SEWER MAINS TO BE REPLACED/ RELOCATED  
(SHEETS 5 & 6)

SHEET NO.	STREET	EXISTING SEWER MAIN SIZE	"NEW SEWER MAIN SIZE"	LENGTH	RENEWAL METHOD	FROM	TO
5-6	1ST AVENUE	6"	8"	171'	REPLACE	077-U	144-U

BLOCKING NOTES

1.

ALL WATER MAINS SHALL BE RESTRAINED JOINT AND FITTING.

2.

RESTRAIN ALL FIRE HYDRANTS TO WATER MAIN, SEE STANDARD DETAIL B/2.1. DO NOT BLOCK FIRE HYDRANT OR FIRE HYDRANT TEE.

3.

PROVIDE CONCRETE THRUST BLOCKING AS NOTED ON PLANS.

SEDIMENT CONTROL NOTES

1.

UTILITY CONTRACTOR TO CONTACT WSSC WATER ENVIRONMENTAL PROGRAMS UNIT AT (301) 206-8075 48 HOURS PRIOR TO STARTING ANY WORK UNDER THIS CONTRACT.

2.

ANY GROUND OR SURFACE WATER THAT IS PUMPED DURING THIS PROJECT SHALL BE DISCHARGED THROUGH A DEWATERING DEVICE APPROVED BY WSSC PRIOR TO BEING DISCHARGED OFFSITE.

3.

STREETS AND PAVED WALKWAYS SHALL BE KEPT IN BROOM SWEEP CONDITION AT ALL TIMES.

4.

INSTALL CURB INLET PROTECTION, AT-GRADE INLET PROTECTION AS NEEDED OR AS DIRECTED BY WSSC ENVIRONMENTAL STAFF. SEE STANDARD DETAIL SC/16.0.

5.

CONTRACTOR SHALL PROVIDE TEMPORARY STABILIZATION FOR ALL NON-PAVED DISTURBED AREAS BY THE CLOSE OF EACH WORK DAY.

6.

ANY EXCAVATED OR STOCKPILE MATERIAL LEFT OVERNIGHT SHALL BE COVERED WITH IMPERMEABLE MATERIAL. PROVIDE SEDIMENT CONTROL FOR ALL OFFSITE STAGING/STOCKPILE AREAS.

7.

WHEN WORKING IN PAVED SURFACES, PLACE EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH.

8.

INSTALL SILT FENCE AS NEEDED ON LOW SIDE OF EXCAVATED TRENCH WHEN WORKING IN NON-PAVED AREAS, OR AS SHOWN ON PLANS, OR AS DIRECTED BY WSSC ENVIRONMENTAL STAFF IN FIELD. SEE WSSC STANDARD DETAIL SC/1.0.

9.

SLURRY GENERATED BY PAVEMENT SAWING SHALL BE CONTAINED BY CONTRACTOR; TO PREVENT SLURRY FROM ENTERING STORM DRAIN SYSTEM OR WATERWAY; USING APPROVED METHODS, DEVICES OR AS DIRECTED BY WSSC WATER ENVIRONMENTAL STAFF. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONTAINED SLURRY PROPERLY AT THE END OF EACH WORK DAY.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SITE PLAN AND TRAVERSE - HORIZONTAL CONTROL/PAVEMENT RESTORATION
3-9	1"=10' SCALE PLAN AND PROFILE
10	ADDITIONAL PROFILES
11	WHC AND SHC CHART
TC-1 - TC-2	TRAFFIC CONTROL PLANS
SC-1	SEDIMENT AND EROSION CONTROL DETAILS

SEE SHEET NO. 2 FOR FINAL PAVEMENT RESTORATION REQUIREMENTS: WSSC SHALL BE RESPONSIBLE FOR 2 INCH MILL AND OVERLAY. WORK WILL BE DONE BY WSSC PAVING CONTRACTOR AFTER COMPLETION AND ACCEPTANCE OF UNDERGROUND UTILITY WORK.


RESTORATION SCHEDULE

AREA	GRADING TYPE	RESTORATION
ALL AREAS	I	"A" OR PAVING

PROFESSIONAL CERTIFICATION

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NAME: JONATHAN E. MARTIN  
LICENSE NO.: 33953,  
EXPIRATION DATE: 1/16/2023.\*



SLIGO CREEK MINI DRAINAGE BASIN NO. 11

WHEATON ELECTION DISTRICT NO. 13

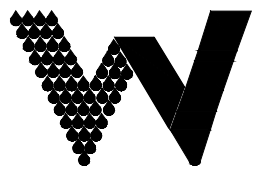
TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS

EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

ENGINEER:

NAME: THE WILSON T. BALLARD COMPANY  
ADDRESS: 17 GWYNNS MILL COURT, OWINGS MILLS, MD 21117  
PHONE: (410) 363-0150  
CONTACT: JEFF ZIEGENFUSS

THESE DOCUMENTS CONTAIN PRIVILEGED AND CONFIDENTIAL INFORMATION WHICH SHALL NOT BE REDISTRIBUTED WITHOUT PRIOR WSSC APPROVAL



FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO [www.call811.com](http://www.call811.com) or [www.missutility.net](http://www.missutility.net) 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

DATE

REVISIONS

PERMIT REQUIREMENTS

TREE	IS REQUIRED
NON-TIDAL WETLAND/WATERWAY	NOT REQUIRED
M.N.C.P.&P.C.	NOT REQUIRED
FEDERAL AID	NOT REQUIRED
STATE HWY. ADM.	NOT REQUIRED
STATE BD. HEALTH	NOT REQUIRED
MONTGOMERY CO.	NOT REQUIRED
PRINCE GEORGE'S CO.	NOT REQUIRED
SED. & EROSION CONTROL	IS REQUIRED
M.D.E. CONST.	NOT REQUIRED
CITY/TOWN	NOT REQUIRED

AS BUILT DATA

CONTRACT NO.
CONTRACTOR
INSPECTOR
L & G
DATE STARTED
DATE COMPLETED
TYPE PIPE W.
TYPE MANHOLES
DATE FINALED
FINALED BY

DRAWING INDEX

DRAWING NO.	DESCRIPTION
1 THRU 11	PLANS, PROFILES, DETAILS
S.C.1	SEDIMENT CONTROL DETAILS

PIPELINE DESIGN DIVISION

DATE	DIVISION MANAGER

WATER INFRASTRUCTURE SECTION

DATE	SECTION MANAGER

DATE

REVIEWED BY

DR.	CK.	EXAMINED FOR
WATER	SEWER	E.E.S.S.
-	JOB NO.	R/W REQ'D
		OTHER UTILITIES

CONTRACT

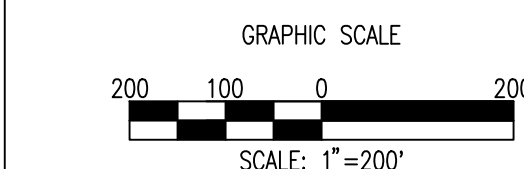
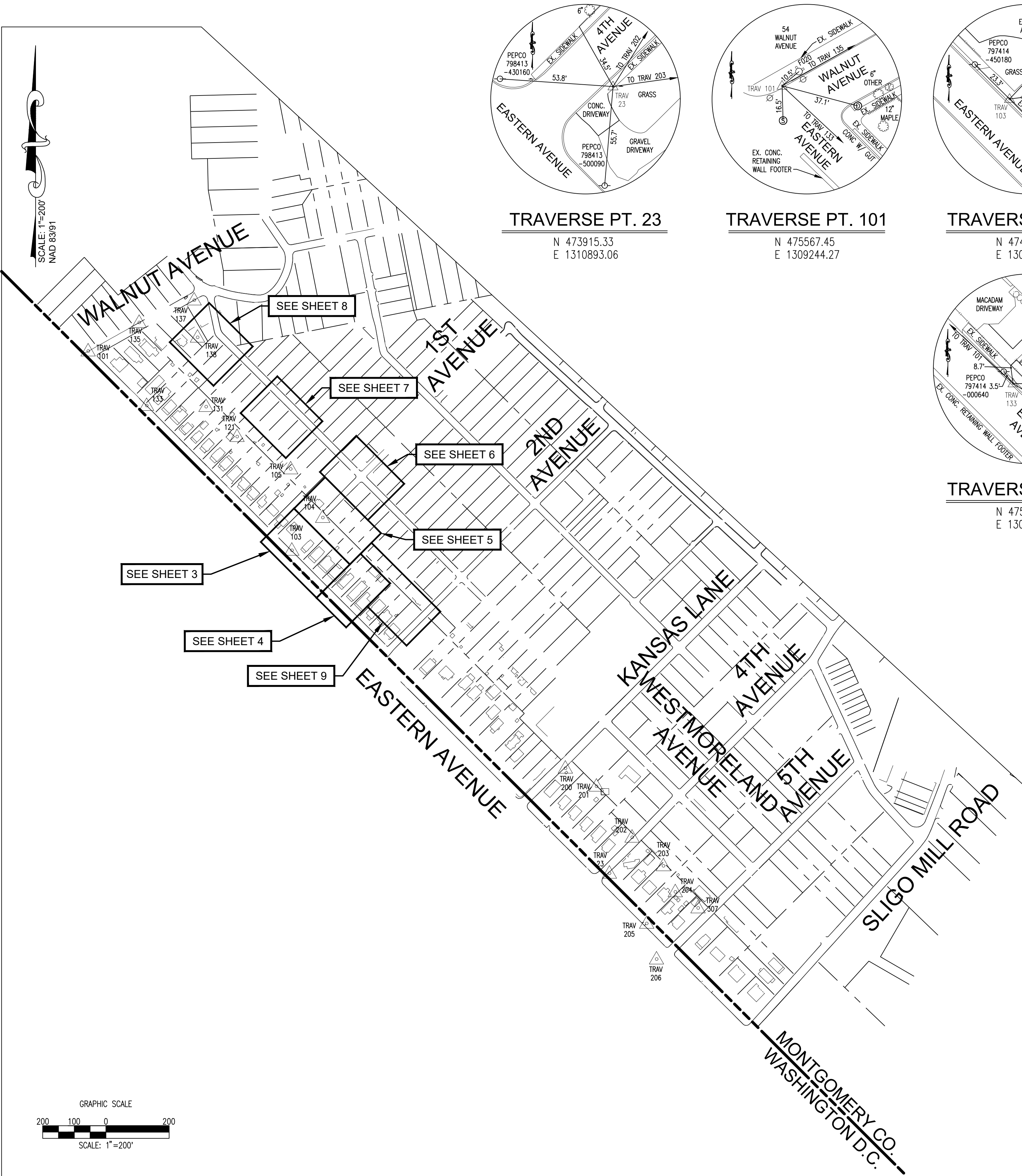
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	1 OF 11

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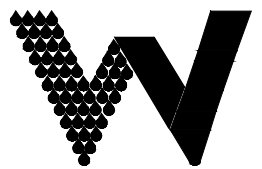
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LOCATION MAP  
SCALE: 1"=200'

SERVICE AREA 495A  
HHG = 500'  
LHG = 410'

WASHINGTON SUBURBAN SANITARY COMMISSION



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EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

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NAME: JONATHAN E. MARTIN  
LICENSE NO.: 33953  
EXPIRATION DATE: 1/16/2023.\*



DATE		REVISIONS	
WATER INFRASTRUCTURE SECTION			
_____		_____	
DATE		PROJECT MANAGER	
_____		_____	
DATE		REVIEWED BY	
CONTRACT BR/CR/LR5355D12			
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		2 OF 11	

VERIFY SCALE - BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY.



MATCH LINE - SEE SHEET NO. 5

FIRE HYDRANT INFORMATION

STREET	8" W STA.	FIRE HYDRANT NUMBER	FIRE HYDRANT LEAD LENGTH	FIRE HYDRANT BARREL HEIGHT
EASTERN AVENUE	0+00	ADD-ON	5.0'	5.5'

WATER STAKEOUT DATA  
(EASTERN AVENUE)

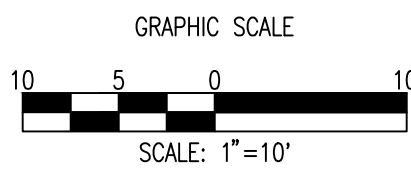
LOCATION	ITEM	NORTHING	EASTING
0+00	8"X6" F.H.T. AND 8" PLUG	474962.09	1309837.79

- SEE SHEET 4 FOR PROFILE OF  
FIRE HYDRANT AT STA. 0+00

RESTRAIN AL JOINTS AND FITTINGS  
ALONG EASTERN AVENUE SERVICE  
ROAD

LEGEND

NEW W	NEW WATER
NEW S	NEW SEWER
	NEW WATER VALVE
	NEW OUTSIDE WATER METER
	NEW CURBSTOP
S C/O	NEW SEWER CLEANOUT
	EXISTING WATER VALVE
	EXISTING WATER
	EXISTING SEWER
	EXISTING GAS
	EXISTING STORM DRAIN
	EXISTING TREE
	EXISTING SHRUB
	ROADWAY R/W
	LINE OF DIVISION
	MARYLAND/ D.C. LINE
TP-#	TEST PIT LOCATION
SB-#	SOIL BORING LOCATION
	EXISTING PAVEMENT
	WSSC EASEMENT
	WSSC CONSTRUCTION STRIP



DATE	REVISIONS

WATER INFRASTRUCTURE SECTION

DATE PROJECT MANAGER

DATE REVIEWED BY

CONTRACT BR/CR/LR5355D12

50S	
200 208 NW 01, 208 NE 01	
	3 OF 11

DATE: 8/13/2021 10:45 AM

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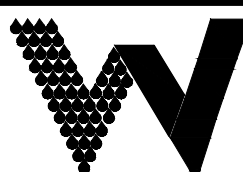
SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS  
EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
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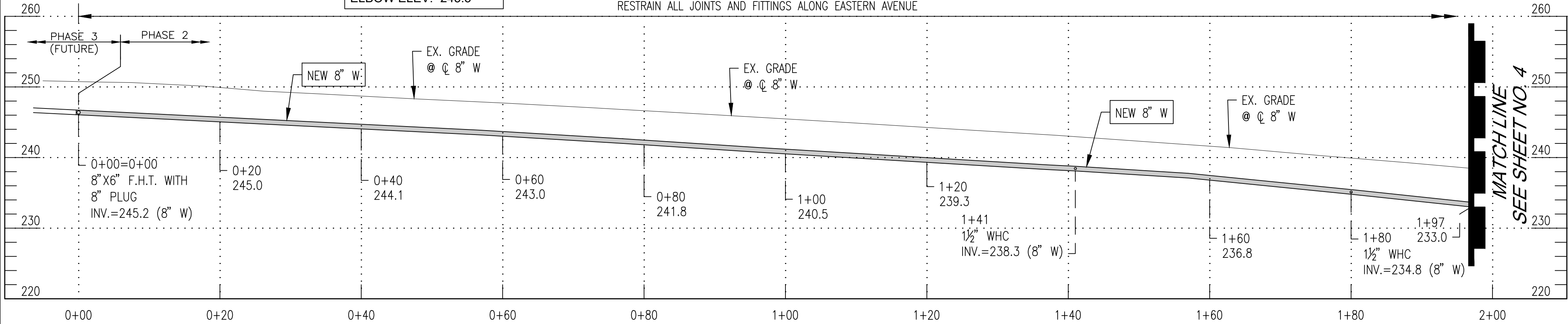
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PROFILE OF 8" W - EASTERN AVENUE STA. 0+00 TO STA. 1+97

SCALE: 1"=10' HORIZ.  
1"=10' VERT.



SERVICE AREA 495A  
HHG = 500'  
LHG = 410'

0+00  
INSTALL NEW  
8"X6" F.H.T., VALVE,  
LEAD AND 8" PLUG ON  
NORTHWEST BRANCH

FUTURE 8" W  
BY OTHERS

INSTALL NEW 8" W

INSTALL NEW 8" W

0+05  
INSTALL NEW 5.5"  
F.H.PER STD. DET. W/8.0  
ELBOW ELEV.=245.3

RESTRAIN ALL JOINTS AND FITTINGS ALONG EASTERN AVENUE

TO 2ND AVENUE

TO WALNUT AVENUE

MATCH LINE - SEE SHEET NO. 4

SCALE: 1"=10'  
NAD 83/91

1ST AVENUE  
(PAPER STREET)

MATCH LINE - SEE SHEET NO. 5

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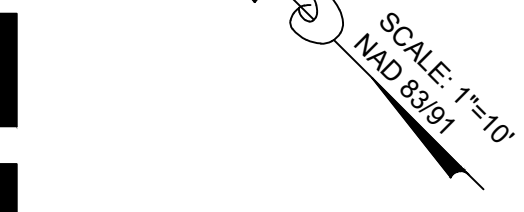
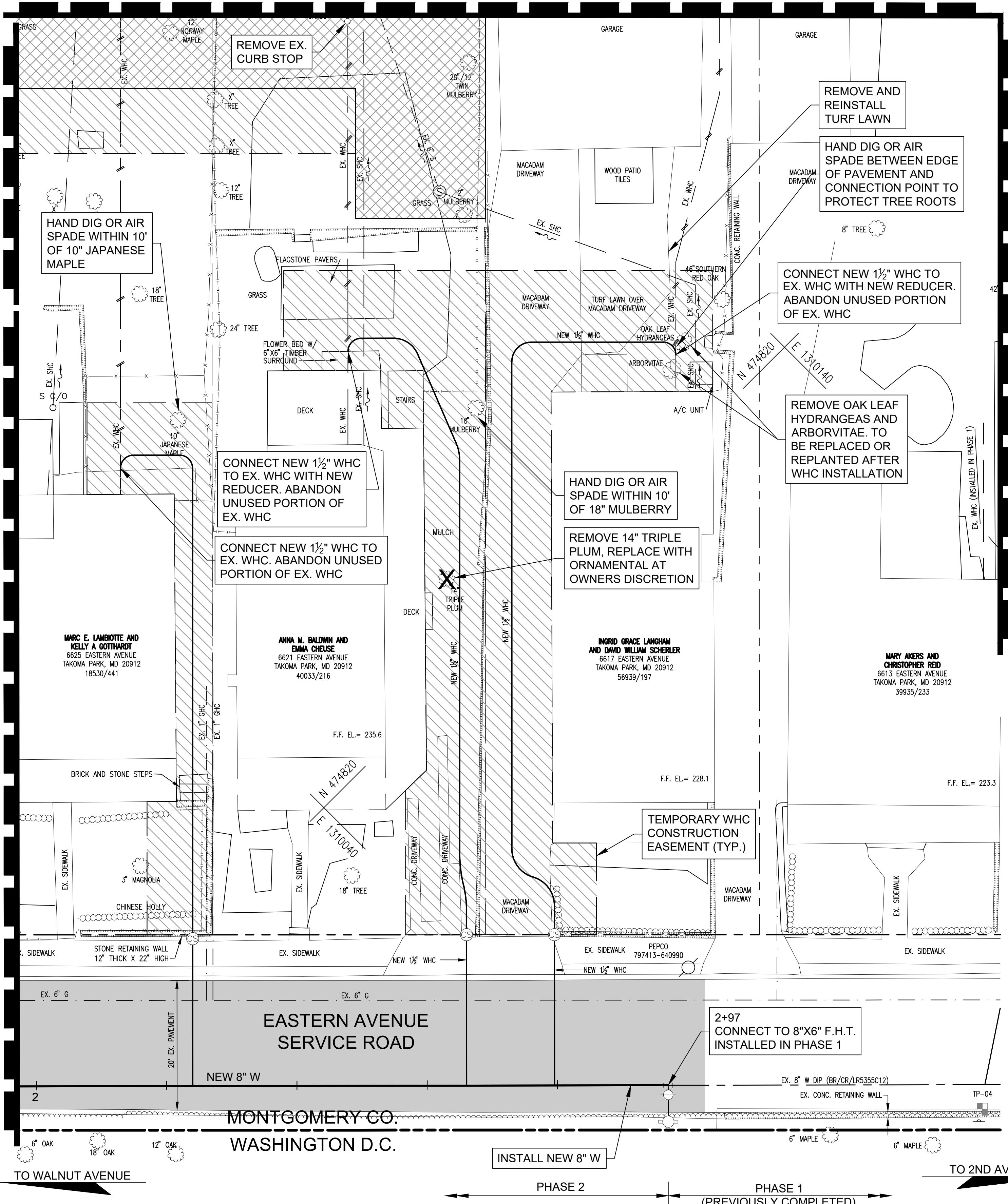
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MATCH LINE - SEE SHEET NO. 5

MATCH LINE - SEE SHEET NO. 3

MATCH LINE - SEE SHEET 9

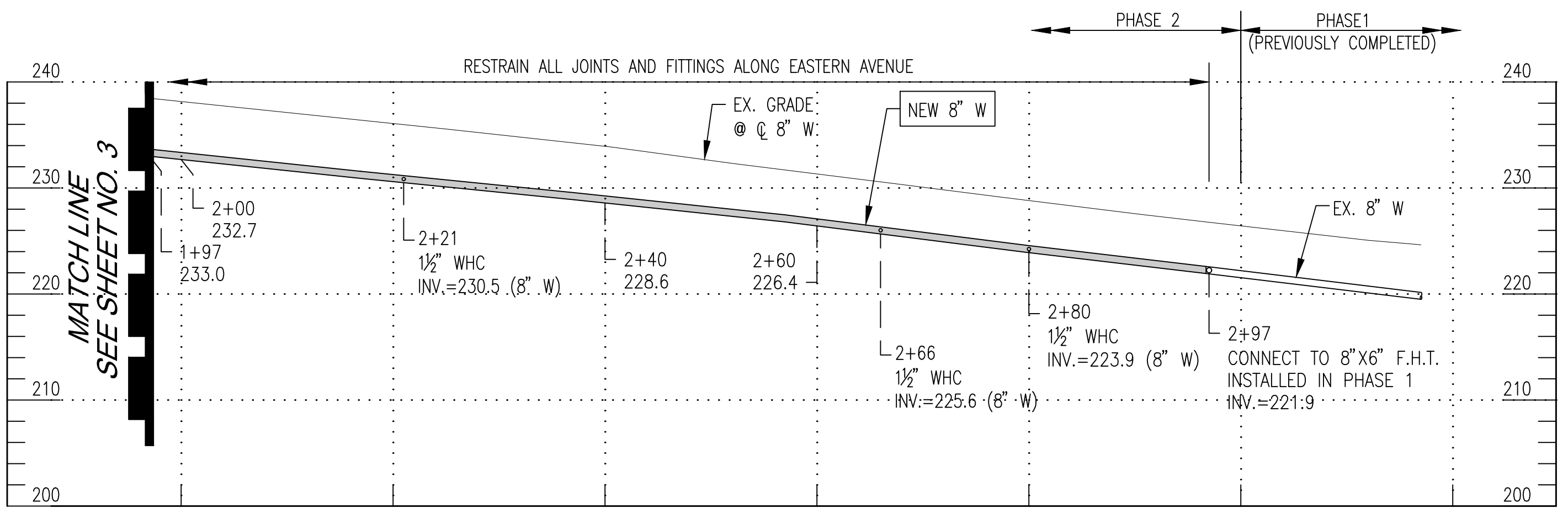
MATCH LINE - SEE SHEET 9



WATER STAKEOUT DATA (EASTERN AVENUE)			
LOCATION	ITEM	NORTHING	EASTING
2+97	CONNECT TO EX. 8" W	474752.42	1310047.24

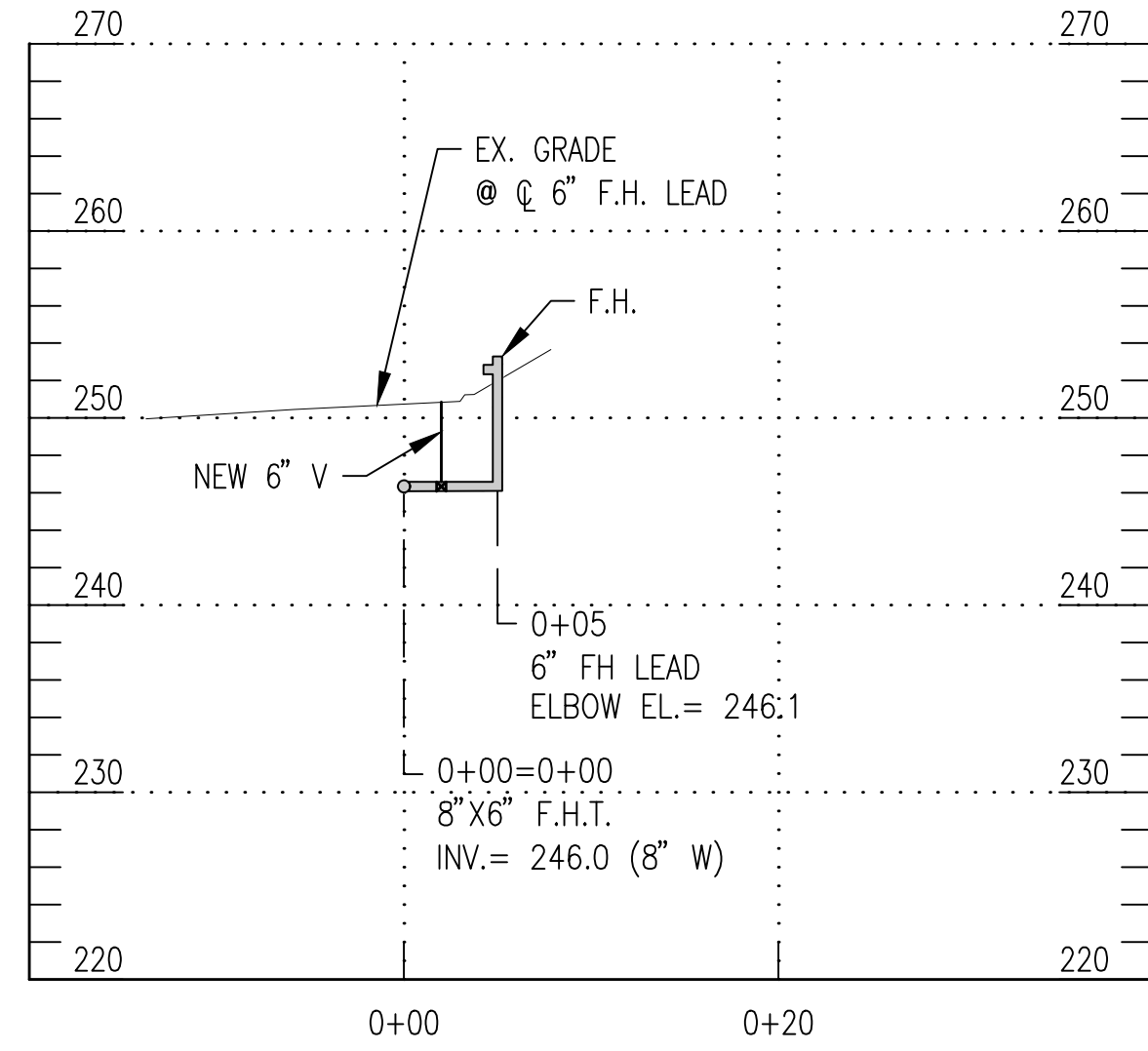
RESTRAIN AL JOINTS AND FITTINGS  
ALONG EASTERN AVENUE SERVICE  
ROAD

ABANDON APPROX. 460' OF 6" W  
BETWEEN 1ST AVENUE AND 2ND  
AVENUE



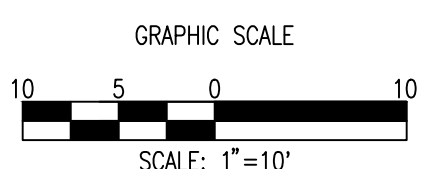
PROFILE OF 8" W - EASTERN AVENUE STA. 1+97 TO STA. 2+97

SCALE: 1"=10' HORZ.  
1"=10' VERT.



PROFILE OF 6" F.H. LEAD  
EASTERN AVENUE 8" W STA. 0+00

SCALE: 1"=10' HORZ.  
1"=10' VERT.



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NAME: JONATHAN E. MARTIN  
LICENSE NO.: 33953  
EXPIRATION DATE: 1/16/2023

STATE OF MARYLAND  
JONATHAN E. MARTIN  
No. 33953  
PROFESSIONAL ENGINEER

SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS  
EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

DATE		REVISIONS	
WATER INFRASTRUCTURE SECTION			
_____		_____	
DATE		PROJECT MANAGER	
_____		_____	
DATE		REVIEWED BY	
CONTRACT BR/CR/LR5355D12			
50S			
200		208 NW 01, 208 NE 01	
		4 OF 11	

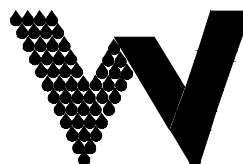
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SERVICE AREA 495A  
HHG = 500'  
LHG = 410'

WASHINGTON SUBURBAN SANITARY COMMISSION



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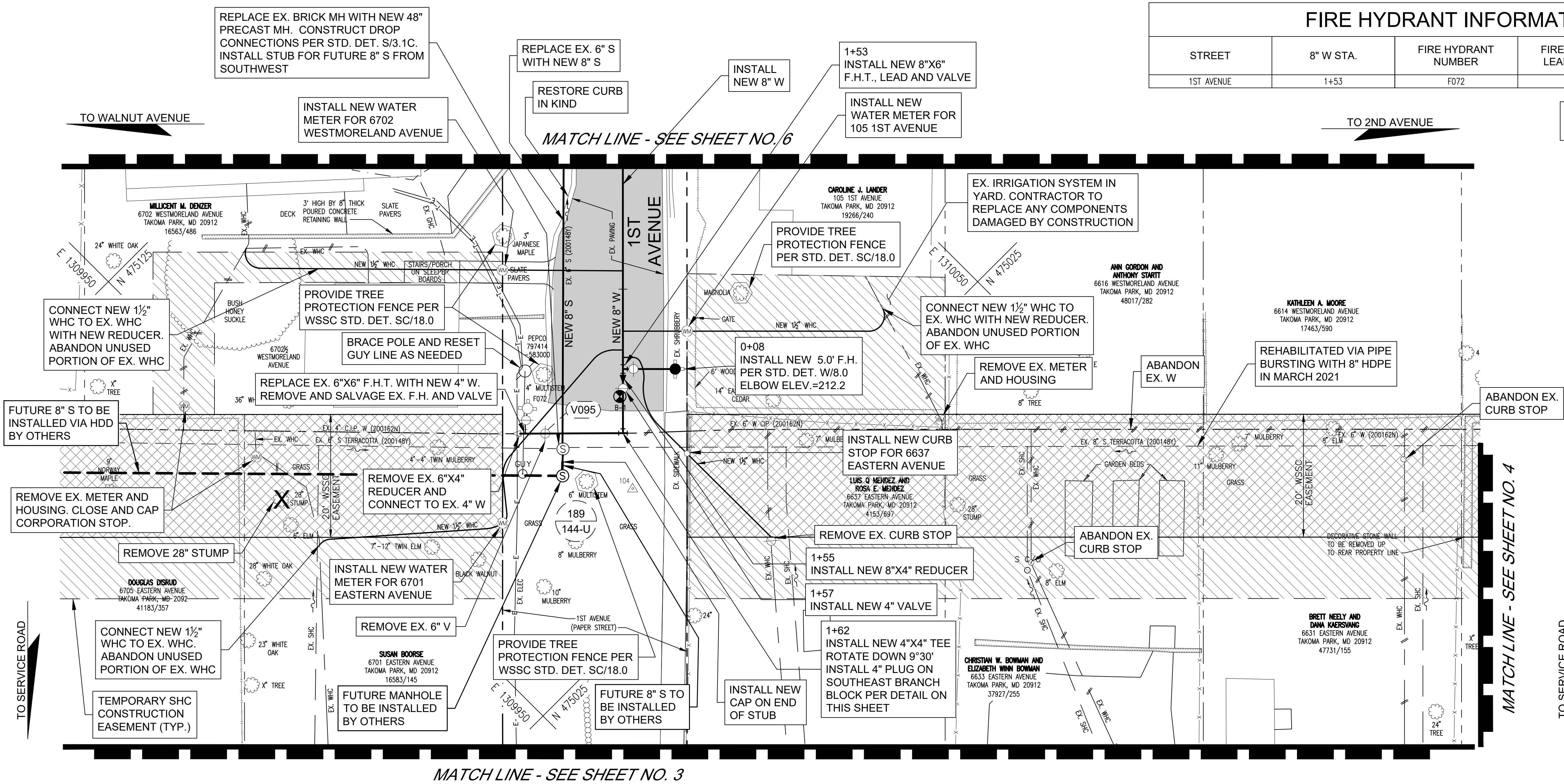
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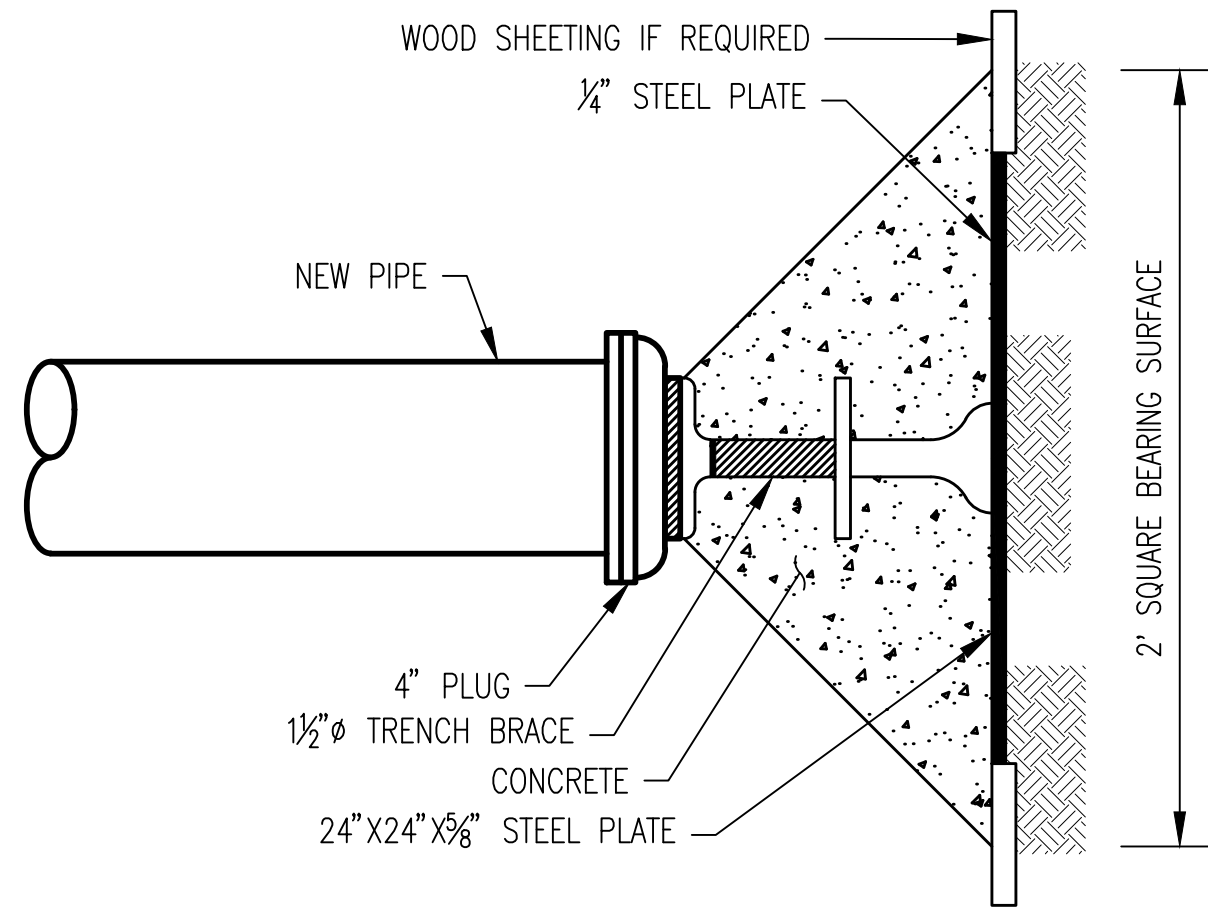
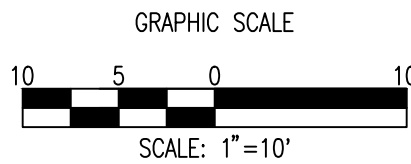
NAME: JONATHAN E. MARTIN  
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REVISIONS	
DATE	PROJECT MANAGER
DATE	REVIEWED BY
CONTRACT BR/CR/LR5355D12	
50S	
200 208 NW 01, 208 NE 01	
5 OF 11	

DATE: 8/13/2021 10:59 AM



WATER STAKEOUT DATA (1ST AVENUE)			
LOCATION	ITEM	NORTHING	EASTING
1+53	8\"X6\" F.H.T.	475055.66	1309999.18
1+55	8\"X4\" REDUCER	475054.73	1309998.12
1+57	4\" VALVE	475053.51	1309996.90
1+62	4\"X4\" TEE	475048.32	1309991.71



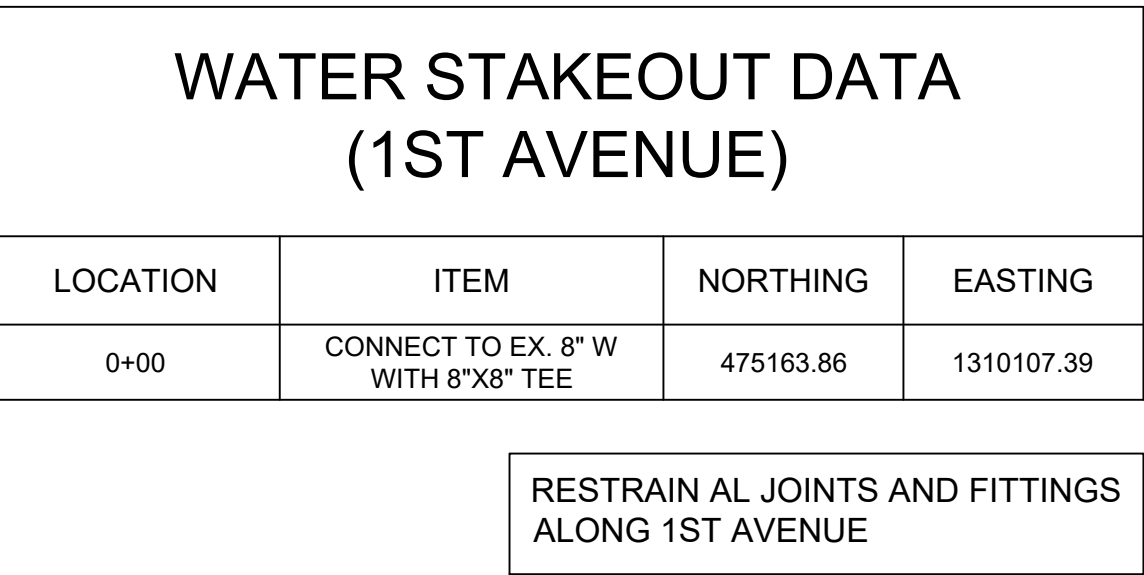
BLOCKING FOR 4" PLUG

NOT TO SCALE

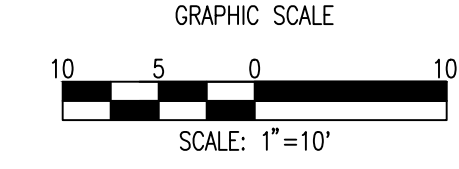
NOTES:

1. F'C=3,000 PSI @ 28 DAYS
2. STEEL PLATE: ASTM A-36
3. BEARING SURFACE SHALL BE AGAINST UNDISTURBED EARTH
4. THIS DETAIL SHALL BE USED WHEN THE WATER MAIN HAS TO BE PLACED IN SERVICE IMMEDIATELY AFTER CONSTRUCTION, OR REPAIR. USE STD. DET. B/1.4 FOR NORMAL CONSTRUCTION.

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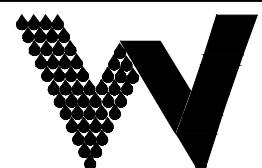


## RESTRAIN AL JOINTS AND FITTINGS ALONG 1ST AVENUE



DATE: 8/13/2021 10:44 AM

# WASHINGTON SUBURBAN SANITARY COMMISSION

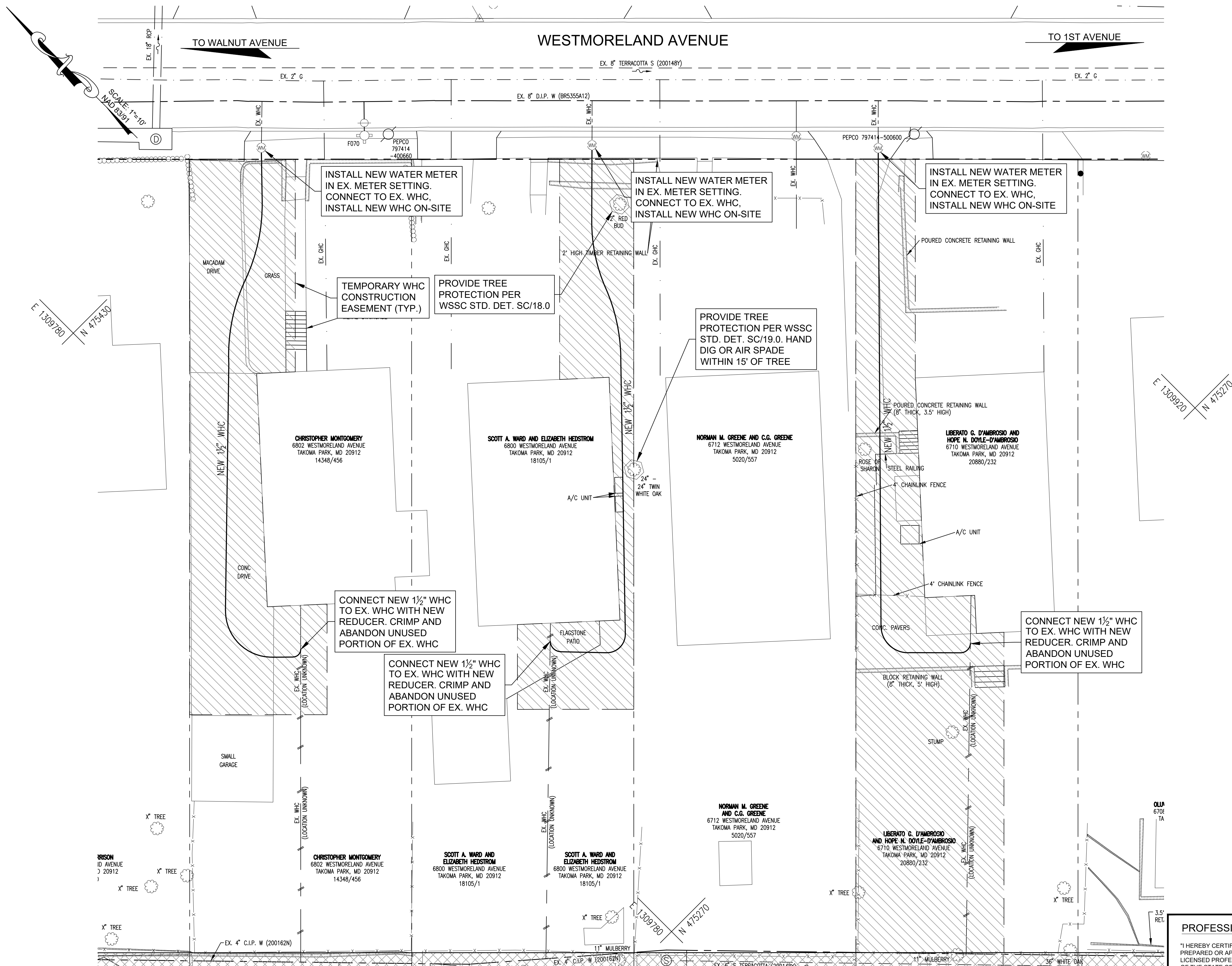


NAME: THE WILSON T. BALLARD COMPANY  
ADDRESS: 17 GWYNNS MILL COURT, OWINGS MILLS, MD 21117  
PHONE: (410) 363-0150  
CONTACT: JEFF ZIEGENFUSS

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SERVICE AREA 495A

HHG = 500'

LHG = 410'

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SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS

EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

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.

NAME: JONATHAN E. MARTIN  
LICENSE NO.: 33953  
EXPIRATION DATE: 1/16/2023.\*

DATE	REVISIONS

WATER INFRASTRUCTURE SECTION

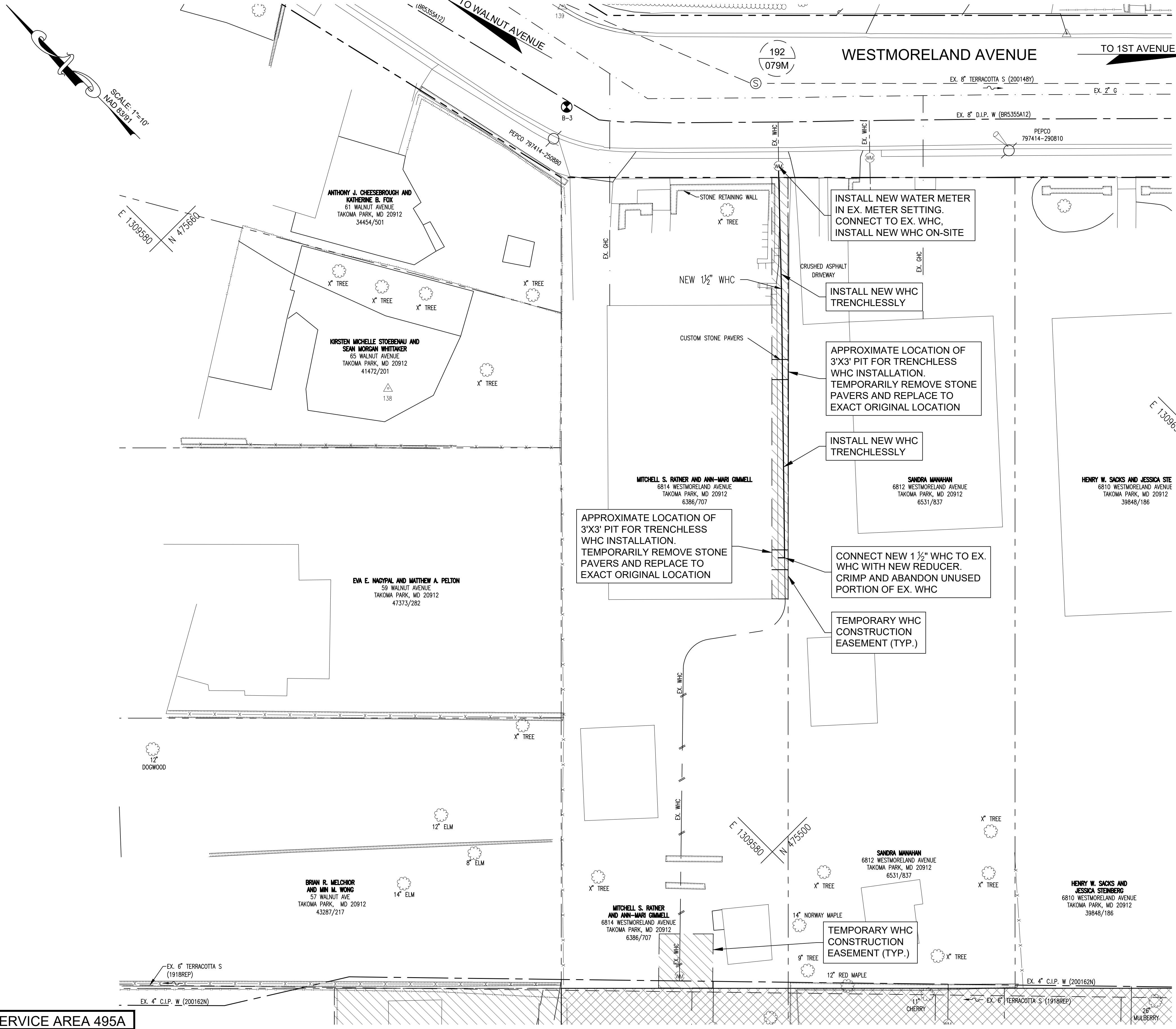
DATE	PROJECT MANAGER
DATE	REVIEWED BY

CONTRACT BR/CR/LR5355D12

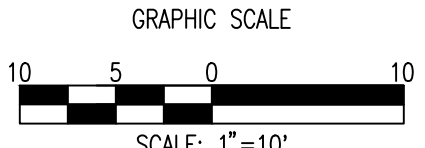
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DATE: 8/13/2021 10:44 AM

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SCALE 1"=10'  
LAD 83991



SERVICE AREA 495A

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LHG = 410'

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LICENSE NO.: 33953

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SLIGO CREEK MINI DRAINAGE BASIN NO. 11

WHEATON ELECTION DISTRICT NO. 13

TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS

EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE

TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

DATE	REVISIONS

WATER INFRASTRUCTURE SECTION

DATE	PROJECT MANAGER

DATE	REVIEWED BY

CONTRACT BR/CR/LR5355D12

50S	
200 208 NW 01, 208 NE 01	
	8 OF 11

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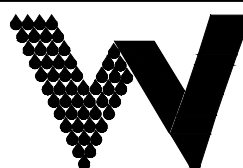
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MATCH LINE - SEE SHEET 5

MATCH LINE - SEE SHEET 4

SERVICE AREA 495A  
HHG = 500'  
LHG = 410'

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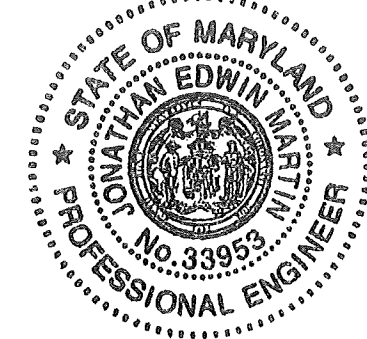
TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS  
EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

PROFESSIONAL CERTIFICATION

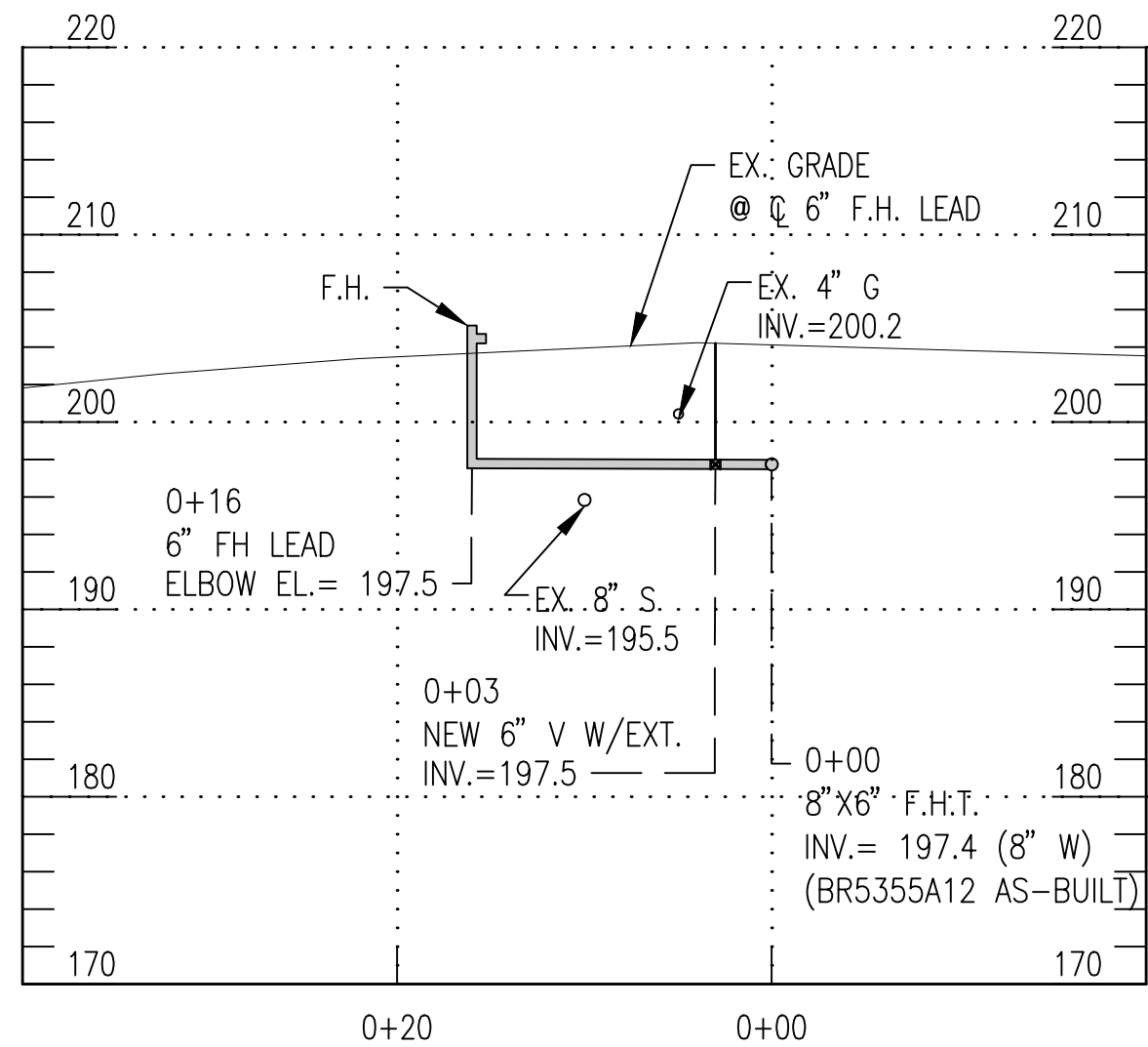
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WATER INFRASTRUCTURE SECTION			
_____ DATE _____		_____ PROJECT MANAGER _____	
_____ DATE _____		_____ REVIEWED BY _____	
CONTRACT BR/CR/LR5355D12			
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		9 OF 11	

DATE: 8/13/2021 10:44 AM



PROFILE OF 6" F.H. LEAD  
2ND AVENUE 8" W STA. 0+00

SCALE: 1"=10' HORZ.  
1"=10' VERT.

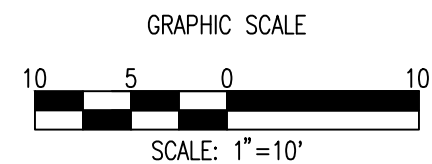
FIRE HYDRANT INFORMATION

STREET	8" W STA.	FH NUMBER	LEAD LENGTH	BARREL HEIGHT
2ND AVENUE	N/A	F073	16'	565'

ABANDON APPROX. 460' OF 6" W  
BETWEEN 1ST AVENUE AND 2ND  
AVENUE

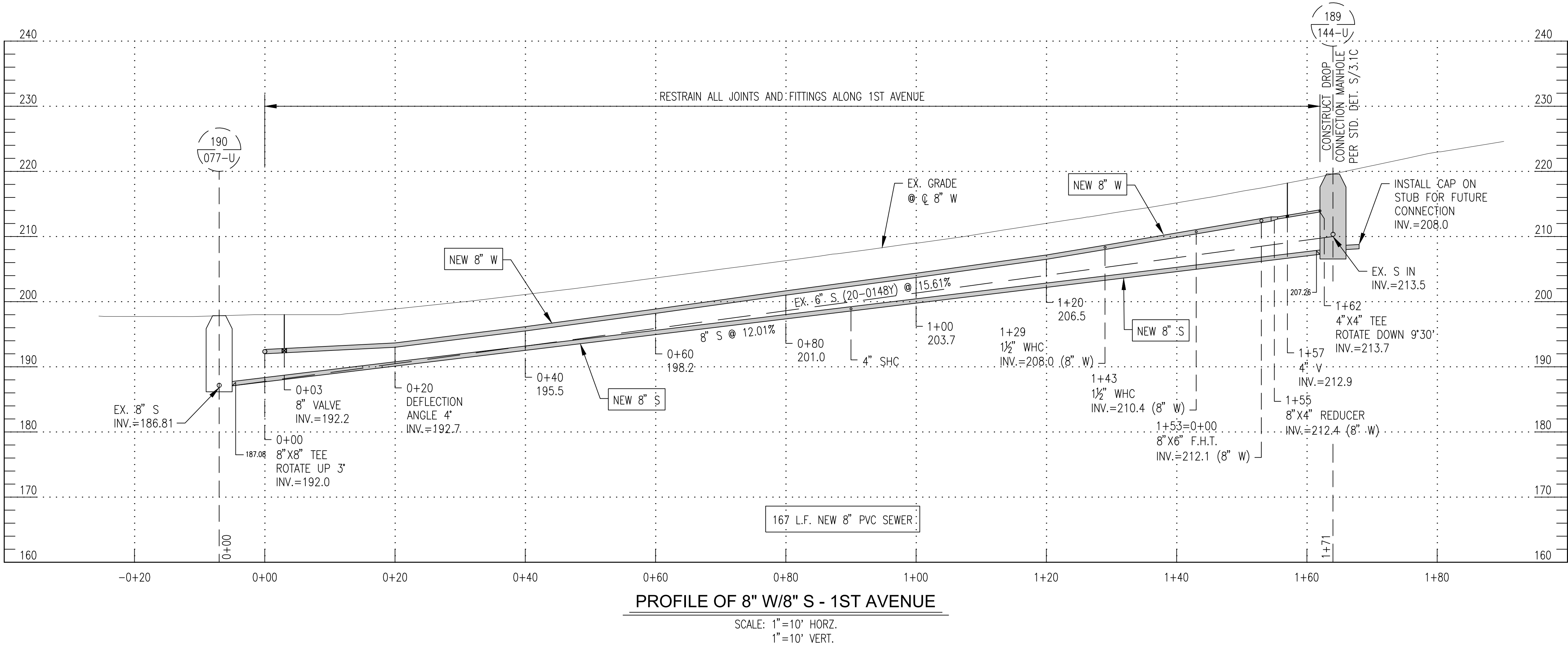
PLAN OF 8" S - 2ND AVENUE

SCALE: 1"=10'



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### SUGGESTED SEQUENCE OF CONSTRUCTION

#### NOTES:

- COORDINATE WITH ALL ONGOING CONSTRUCTION IN THE PROJECT AREA (IF ANY) TO RESOLVE ANY ISSUES THAT WOULD BE IN CONFLICT WITH OTHER PROJECTS AND TRAFFIC CONTROLS.
- PEDESTRIAN ACCESS SHALL BE SAFELY MAINTAINED AT ALL TIMES.
- RESTRICT STREET PARKING IF NECESSARY DURING HOURS OF WORK.
- VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTING WATER MAINS.
- TEST PIT CONNECTION LOCATIONS OF EXISTING WATER MAINS AND EXISTING UTILITY CROSSINGS AS NEEDED.
- SHUT DOWNS SHALL BE LIMITED TO 8 HOURS UNLESS OTHERWISE DIRECTED BY WSSC.
- TEST AND DISINFECT WATERLINE PRIOR TO PLACING IN SERVICE.

### EASTERN AVENUE SERVICE ROAD

- INSTALL PUMP AROUND AND CONSTRUCT AND TEST THE NEW 8" WATER MAIN ALONG EASTERN AVENUE BETWEEN STATIONS 0+00 AND 2+77, INCLUDING NEW MANHOLE AND ALL APPURTENANCE.
- CLOSE VALVE V201 – 2ND AVENUE, BETWEEN EASTERN AVENUE AND WESTMORELAND AVENUE.
- DURNING AN 8 HOUR SHUTDOWN CONSTRUCT AND TEST THE NEW 8" WATER MAIN AND APPURTENANCES ALONG EASTERN AVENUE BETWEEN STATIONS 2+77 AND 2+97, CONNECT TO THE EXISTING 8" WATER MAIN ALONG EASTERN AVENUE.
- OPEN VALVE V201, CLOSED IN STEP 2.
- INSTALL ALL NEW WATER HOUSE CONNECTIONS AS SHOWN ON PLANS, ABANDON EXISTING CONNECTIONS AS THE NEW ONES ARE INSTALLED.
- RESTORE THE AREA.

### 1ST AVENUE

- CONSTRUCT AND TEST THE NEW 8" SEWER MAIN ALONG 1ST AVENUE INCLUDING ALL APPURTENANCE AND SEWER HOUSE CONNECTIONS.
- CONSTRUCT AND TEST THE NEW 8" WATER MAIN ALONG 1ST AVENUE BETWEEN STATIONS 0+20 AND 1+57, INCLUDING ALL APPURTENANCE.
- INSTALL THE WATER HOUSE CONNECTIONS FOR 105 FIRST AVENUE AND 6637 EASTERN AVENUE, BUT DO NOT MAKE THE FINAL CONNECTIONS.
- CLOSE THE FOLLOWING VALVES:
  - V004 – WESTMORELAND AVENUE AT ELM AVENUE
  - V094 & V096 – WESTMORELAND AVENUE AT 2ND AVENUE
- DURNING AN 8 HOUR SHUTDOWN CONSTRUCT AND TEST THE NEW 8" WATER MAIN AND APPURTENANCES ALONG 1ST AVENUE BETWEEN STATIONS 0+00 AND 0+20.
- MAKE FINAL CONNECTIONS TO 105 FIRST AVENUE AND 6637 EASTERN AVENUE, ABANDON EXISTING CONNECTION AS SHOWN ON PLAN.
- OPEN ALL VALVES CLOSED IN STEP 4, NEW 4" VALVE AT STA. 1+57 TO REMAIN CLOSED.
- INSTALL NEW WATER HOUSE CONNECTIONS FOR 6701 EASTERN AVENUE AND 6702 WESTMORELAND AVENUE, ABANDON EXISTING CONNECTIONS AS THE NEW ONES ARE INSTALLED.
- CLOSE VALVE V094 - 2ND AVENUE AT WESTMORELAND AVENUE.
- DURING AN 8 HOUR SHUTDOWN, CONSTRUCT AND TEST THE NEW 4" WATER MAIN FROM STA. 1+57 TO 1+62 AND FROM NEW 4"x4" TEE TO EX. F072 F.H.T.
- OPEN VALVE V094 AND NEW VALVE AT STA. 1+57.
- RESTORE THE AREA.

### 2ND AVENUE

- CLOSE VALVE V094 – 2ND AVENUE AT WESTMORELAND AVENUE.
- DURNING AN 8 HOUR SHUTDOWN CONSTRUCT AND TEST THE NEW 8" WATER MAIN AND APPURTENANCES ALONG 2ND AVENUE AS SHOWN ON PLAN SHEET 9, INCLUDING NEW FHT AND 6" VALVE (TO REMAIN CLOSED). CONNECT TO THE EXISTING 8" WATER MAIN AT BOTH ENDS.
- RECONNECT ALL WATER HOUSE CONNECTIONS.
- OPEN VALVE V094, CLOSED IN STEP 1.
- INSTALL NEW FIRE HYDRANT AS SHOWN ON PLAN, OPEN 6" VALVE INSTALLED IN STEP 2.
- RESTORE THE AREA.

### WESTMORELAND AVENUE WATER HOUSE CONNECTIONS

- INSTALL ALL NEW WATER HOUSE CONNECTIONS ALONG WESTMORELAND AVENUE AS SHOWN ON PLANS, ABANDON EXISTING CONNECTIONS AS THE NEW ONES ARE INSTALLED.
- RESTORE THE AREA.

#### PROFESSIONAL CERTIFICATION

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LICENSE NO.: 33953  
EXPIRATION DATE: 1/16/2023."



SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

TAKOMA PARK WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS  
EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

DATE		REVISIONS	
WATER INFRASTRUCTURE SECTION			
DATE		PROJECT MANAGER	
DATE		REVIEWED BY	
CONTRACT BR/CR/LR5355D12			
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200 208 NW 01, 208 NE 01			
		10 OF 11	

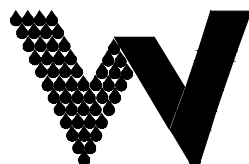
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SERVICE AREA 495A

HHG = 500'

LHG = 410'

WASHINGTON SUBURBAN SANITARY COMMISSION



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EXISTING WATER HOUSE CONNECTION INFORMATION

SHEET #	ADDRESS	EXISTNG WHC SIZE	EXISTING METER SIZE	EXISTING WHC MATERIAL	METER LOCATION	METER TYPE	APPROXIMATE LENGTH OF EXISTING WHC	APPROXIMATE LENGTH OF NEW 1 1/2" WHC TO METER	APPROXIMATE LENGTH OF NEW 1 1/2" WHC ON-SITE	REMARKS
	EASTERN AVENUE									
	WIDTH OF RIGHT OF WAY = 30'									
	WIDTH OF STREET =21'									
4	6617 EASTERN AVENUE	3/4"	5/8"	COPPER	INSIDE	SINGLE	8'	23'	112'	
4	6621 EASTERN AVENUE	3/4"	5/8"	COPPER	INSIDE	SINGLE	8'	23'	101'	
4	6625 EASTERN AVENUE	3/4"	5/8"	COPPER	INSIDE	SINGLE	8'	23'	86'	
3	6631 EASTERN AVENUE	3/4"	5/8"	COPPER	INSIDE	SINGLE	8'	23'	81'	
3	6633 EASTERN AVENUE	3/4"	5/8"	COPPER	INSIDE	SINGLE	8'	23'	64'	
3	6637 EASTERN AVENUE	3/4"	5/8"	COPPER	INSIDE	SINGLE	8'	18'	14'	
3	6701 EASTERN AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	64'	4'	
	TOTAL							197'	462'	

EXISTING WATER HOUSE CONNECTION INFORMATION

SHEET #	ADDRESS	EXISTNG WHC SIZE	EXISTING METER SIZE	EXISTING WHC MATERIAL	METER LOCATION	METER TYPE	APPROXIMATE LENGTH OF EXISTING WHC	APPROXIMATE LENGTH OF NEW 1 1/2" WHC TO METER	APPROXIMATE LENGTH OF NEW 1 1/2" WHC ON-SITE	REMARKS
	1ST AVENUE									
	WIDTH OF RIGHT OF WAY = 30'									
	WIDTH OF STREET =VARIES									
5	105 1ST AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	15'	36'	
	TOTAL							15'	36'	

EXISTING WATER HOUSE CONNECTION INFORMATION

SHEET #	ADDRESS	EXISTNG WHC SIZE	EXISTING METER SIZE	EXISTING WHC MATERIAL	METER LOCATION	METER TYPE	APPROXIMATE LENGTH OF EXISTING WHC	APPROXIMATE LENGTH OF NEW 1 1/2" WHC TO METER	APPROXIMATE LENGTH OF NEW 1 1/2" WHC ON-SITE	REMARKS
	WESTMORELAND AVENUE									
	WIDTH OF RIGHT OF WAY = 60'									
	WIDTH OF STREET =25'									
5	6702 WESTMORELAND AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	16'	44'	
6	6704 WESTMORELAND AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	0'	110'	
7	6710 WESTMORELAND AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	0'	119'	
7	6800 WESTMORELAND AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	0'	100'	
7	6802 WESTMORELAND AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	0'	116'	
8	6814 WESTMORELAND AVENUE	3/4"	5/8"	COPPER	OUTSIDE	SINGLE	8'	0'	141'	
	TOTAL							16'	630'	

EXISTING SEWER HOUSE CONNECTION INFORMATION

SHEET #	ADDRESS	EXISTNG SHC SIZE	REPLACEMENT SHC SIZE	APPROXIMATE LENGTH OF NEW 4" SHC	REMARKS
	1ST AVENUE				
	WIDTH OF RIGHT OF WAY = 30'				
	WIDTH OF STREET =VARIES				
6	105 1ST AVENUE	4"	4"	20	
	TOTAL			20	

WHC SUMMARY TABLE

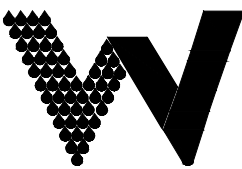
SIZE	METER TYPE	LENGTH OF WHC ON-SITE	LENGTH OF WHC TO METER	TOTAL
1½"	SINGLE	1,128'	228'	1,356'

SERVICE AREA 495A

HHG = 500'

LHG = 410'

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SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

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DATE	REVISIONS

WATER INFRASTRUCTURE SECTION

DATE PROJECT MANAGER

DATE REVIEWED BY

CONTRACT BR/CR/LR5355D12

50S	
200 208 NW 01, 208 NE 01	
11 OF 11	

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TEMPORARY TRAFFIC CONTROL REQUIREMENTS

- THE CONTRACTOR/PERMITTEE SHALL REFER TO THE ATTACHED TEMPORARY TRAFFIC CONTROL PLAN (TTCP) DRAWINGS TO SELECT THE APPROPRIATE WORK ZONE TEMPORARY TRAFFIC CONTROLS FOR EACH PHASE OF CONSTRUCTION. WORK ZONE SITUATIONS WHICH ARE NOT ADDRESSED IN THE ATTACHED TTCP SHALL CONFORM TO THE GUIDELINES SET FORTH IN SECTION 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY (MUTCD), MOST RECENT EDITION.
- THE CONTRACTOR/PERMITTEE MUST HAVE A "CERTIFIED" TRAFFIC CONTROL MANAGER ON SITE DURING ALL PHASES OF CONSTRUCTION AT ALL TIMES.
- EACH PHASE OF CONSTRUCTION, INCLUDING THE FOLLOW UP RESTORATION OPERATIONS SHALL BE PROVIDED WITH APPROPRIATE WORK ZONE TRAFFIC CONTROLS.
- ROAD CLOSURES OF ANY DURATION SHALL REQUIRE THE SUBMITTAL OF A WRITTEN REQUEST TO THE TRAFFIC ENGINEERING DESIGN AND OPERATIONS SECTION WITH JUSTIFICATION AS TO WHY WORK ACTIVITY CANNOT OCCUR WHILE TRAFFIC IS BEING MAINTAINED. ROAD CLOSURE SHALL REQUIRE ADDITIONAL TEMPORARY TRAFFIC CONTROLS INCLUDING ADVANCE NOTIFICATION, APPROACH, AND DETOUR SIGNAGE, AS APPROVED BY TRAFFIC ENGINEERING DESIGN AND OPERATIONS SECTION.
- ALL SIDEWALK CLOSURES SHALL REQUIRE THE APPROVAL OF THE TRAFFIC ENGINEERING DESIGN AND OPERATIONS SECTION. ANY SIDEWALK CLOSURE GREATER THAN TWO (2) WEEKS SHALL REQUIRE THE SUBMITTAL OF A WRITTEN REQUEST TO THE DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS AND MAY REQUIRE ADDITIONAL TEMPORARY TRAFFIC CONTROLS AND/OR TEMPORARY SIDEWALK BY-PASS. ANY WORK AFFECTING SIDEWALK SHALL BE SPECIFIED AND A PROPER PEDESTRIAN DETOUR SHALL BE SHOWN ON PLANS AND SUBMITTED FOR REVIEW. SIDEWALK CLOSURES SHALL BE LIMITED TO OCCUR ONLY DURING THE ACTUAL WORK ACTIVITY. DURING CLOSURE, SIDEWALKS SHALL BE BARRICADED TO PHYSICALLY PREVENT PEDESTRIAN PASSAGE AND APPROPRIATE PEDESTRIAN DETOURS SHALL BE POSTED. DURING ALL OTHER TIMES, PROVISIONS FOR SAFE PEDESTRIAN ACCESS THROUGH THE WORK AREA, VIA A TEMPORARY WALKWAY SHALL BE PROVIDED.
- ANY WORK WITHIN THE TRAVELED PORTION OF ROADWAYS SHALL BE RESTRICTED TO THE HOURS OF 9:00 AM TO 3:30 PM, MONDAY THROUGH FRIDAY. WORK ON HOLIDAYS AND WEEKENDS SHALL NOT OCCUR UNLESS AN EXCEPTION IS GRANTED IN WRITING BY THE COUNTY'S DPS INSPECTOR.
- CONSTRUCTION ACTIVITY, LOADING OR UNLOADING OF EQUIPMENT SHALL NOT BLOCK ANY TRAFFIC LANE OTHER THAN THOSE DELINEATED WITHIN THE WORK ZONE.
- EXCLUSIVE OF EMERGENCY WORK, THE CONTRACTOR/PERMITTEE SHALL CONTACT OCCUPANTS OF ALL ADJOINING PROPERTIES AND INFORM THEM OF THE SCOPE AND THE TIMING OF CONSTRUCTION. A MINIMUM OF 24 HOURS NOTIFICATION SHALL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY ACTIVITY ON THE SITE.
- ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS UNLESS PERMISSION FOR CLOSURE IS GRANTED BY THE PROPERTY OWNER/MANAGER. HOWEVER, ACCESSIBILITY FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
- PAVEMENT EXCAVATION SHALL BE LIMITED TO A MAXIMUM OF ONE TRAVEL LANE AT ANY TIME UNLESS OTHERWISE SPECIFIED ON THE TTCP.
- IF ANY TEMPORARY TRAFFIC CONTROL SIGNS ARE TO BE PLACED ALONG A MSHA ROADWAY OR WITHIN THE LIMITS OF AN INCORPORATED AREA, THE CONTRACTOR/PERMITTEE SHALL NOTIFY THE APPROPRIATE AGENCY OF SIGNAGE TO BE INSTALLED.
- NO HAZARDOUS MATERIALS SHALL BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACES OR SIDEWALK DURING NON-WORK HOURS.
- ALL EXISTING TRAFFIC CONTROL DEVICES (I.E. SIGNS, MARKING, ECT.) THAT MUST BE REMOVED SHALL BE REPLACED IN THEIR PROPER LOCATION PRIOR TO THE COMPLETION OF THE PROJECT. COST FOR THE REPLACEMENT AND/OR REPAIR OF DEVICES DAMAGED AS A RESULT OF THE PROJECT SHALL BE ASSESSED TO THE CONTRACTOR/PERMITTEE.
- FOR MERGING, SHIFTING, SHOULDER TAPER, THE MAXIMUM SPACING BETWEEN DEVICES EQUALS THE POSTED SPEED IN FEET.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE MUTCD. ALL SIGNS, TRAFFIC DRUMS AND CONES SHALL BE FULLY REFLECTORIZED WITH HIGH INTENSITY, REFLECTIVE SHEETING AS PER THE MUTCD.
- PROVISION SHALL BE MADE FOR SAFE MAINTENANCE OF PEDESTRIAN AND BICYCLE TRAFFIC, SUBJECT TO APPROVAL OF THE COUNTY'S DPS INSPECTOR. AT LEAST ONE 10-FOOT TRAVEL LANE SHALL BE AVAILABLE FOR TRAFFIC AT ALL TIMES.
- SIGNAGE, TRAFFIC DRUMS, TRAFFIC CONES, AND ARROW PANELS SHALL BE PLACED IN ACCORDANCE WITH THE APPROPRIATE TYPICAL AND SPACING CHART. WORK AREA AHEAD (W20-1 MODIFIED) SIGNS MUST BE INSTALLED AT THE END OF EACH WORKDAY WHEN TEMPORARY AGGREGATE RAMPING IS IMPLEMENTED. CHANNELIZING DEVICES SHALL BE PLACED ALONG EXCAVATIONS AT TEN (10) FOOT INTERVALS. ARROW PANELS (FLASHING MODE ONLY) SHALL BE USED AT THE BEGINNING OF ANY LANE CLOSURE ON A MULTI-LANE ROADWAY.
- APPROPRIATE DISTANCES FOR SIGN LEGENDS ARE "AHEAD", "500 FT", "1000 FT", "1500 FT", OR "1/2 MILE". FOR DISTANCES LESS THAN 500 FEET, "AHEAD" SHALL BE USED.
- ALL WARNING SIGNS, UNLESS OTHERWISE SPECIFIED, SHALL BE A MINIMUM OF 48" X 48", BLACK SYMBOL OR LEGEND ON ORANGE BACKGROUND AND DIAMOND SHAPED. ALL WARNING SIGNS NOT APPLICABLE TO THE ACTUAL SITUATION SHALL BE REMOVED OR COVERED DURING NON-APPLICABLE PERIODS. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF ONE (1) FOOT ABOVE THE LEVEL OF THE ROADWAY, WITH HIGHER MOUNTING HEIGHTS DESIRABLE.

- DURING NIGHT TIME OPERATIONS TRAFFIC DRUMS SHALL BE USED. HOWEVER, FOR EMERGENCY WORK ACTIVITIES WHERE TRAFFIC DRUMS ARE NOT READILY AVAILABLE, REFLECTORIZED TRAFFIC CONES THAT ARE A MINIMUM OF TWENTY EIGHT (28) INCHES IN HEIGHT AND HAVING SIX (6) INCH AND FOUR (4) INCH REFLECTIVE COLLARS WITHIN THE TOP SIXTEEN (16) INCHES OF THE CONE MAY BE USED. ALL WORK AREAS LEFT UNATTENDED AT NIGHT SHALL BE DELINEATED WITH TRAFFIC DRUMS.
- WHEN TEMPORARY CONCRETE BARRIER (TCB) IS USED, REFLECTORIZED MARKERS ARE REQUIRED AS PER TTCP 109.02. ALSO, A 12" X 36" OBJECT MARKER (VERTICAL PANEL AS PER TTCP 109.01) SHALL BE INSTALLED.
- WHEN PAVEMENT MARKINGS HAVE BEEN OBLITERATED BY THE WORK ACTIVITY, THE CONTRACTOR/PERMITTEE SHALL INSTALL ANY CRITICAL INTERIM PAVEMENT MARKINGS PRIOR TO THE END OF THE WORKDAY AS SPECIFIED BY THE COUNTY'S DPS INSPECTOR AND/OR THE DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS. ON ROAD SECTIONS THAT ARE NOT SCHEDULED TO BE OVERLAID, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE (REMOVABLE) DETOUR GRADE MARKING TAPE. ANY CONFLICTING MARKINGS, WHICH NEED TO BE TEMPORARY REMOVED, ARE TO BE MASKED USING "3M REMOVABLE BLACK LANE MASK" OR AN APPROVED EQUAL. ON ROAD SECTIONS THAT ARE TO BE OVERLAID, TEMPORARY MARKINGS CAN BE EITHER TAPE OR PAINT. ANY CONFLICTING MARKINGS SHOULD BE REMOVED WITH A PAVEMENT GRINDER.

FLAGGING OPERATIONS

- WHEN POSSIBLE, TWO-WAY TRAFFIC SHALL BE MAINTAINED, OTHERWISE, FLAGGERS SHALL BE USED TO CONTROL TRAFFIC.
- FLAGGERS SHALL BE MARYLAND STATE HIGHWAY ADMINISTRATION OR AATSA APPROVED FLAGGERS AND SHALL BE USED AT THE DIRECTION OF THE COUNTY INSPECTOR. FLAGGERS SHALL USE STOP/SLOW PADDLES TO DIRECT TRAFFIC.
- RADIO COMMUNICATION SHALL BE REQUIRED BETWEEN FLAGGERS AT THE DISCRETION OF THE COUNTY INSPECTOR OR UNDER THE FOLLOWING CONDITIONS:
  - IF THE FLAGGERS CANNOT SEE EACH OTHER.
  - IF THE LANE CLOSURE EXCEEDS 200 FEET.

PAVEMENT DROP-OFF

- ANY EXCAVATION(S) IN THE ROADWAY SHALL BE PAVED TO LEVEL GRADE OR PLATED AND THE ROADWAY REOPENED TO ITS FULL CROSS-SECTION PRIOR TO THE END OF EACH WORKDAY. "STEEL PLATES" W95-5(1) SIGNS SHALL BE PLACED APPROXIMATELY 250 FEET IN ADVANCE OF ANY STEEL PLATE. ANY EXCAVATIONS IN THE SIDEWALK SHALL BE BACKFILLED OR PLATED PRIOR TO THE END OF EACH WORKDAY AND SIDEWALK REOPENED TO ITS FULL CROSS SECTION.
- TRAFFIC SHALL NOT BE PERMITTED WITHIN TEN (10) FEET OF ANY EXCAVATION THAT RESULTS IN A VERTICAL DROP-OFF OF MORE THAN FIVE (5) INCHES IN THE LEVEL OF PAVEMENT DURING NON-WORKING HOURS UNLESS PROTECTED BY TEMPORARY CONCRETE BARRIERS OR RAMPED WITH AGGREGATE MATERIAL AT A 3:1 OR FLATTER SLOPE FROM THE EDGE OF PAVEMENT. WHEN RAMPING IS UTILIZED, TEMPORARY TRAFFIC CONTROL DRUMS SHALL BE POSITIONED ADJACENT TO THE EDGE OF THE WORK AREA ON THE TRAFFIC SIDE OF THE SLOPE.
- TRAFFIC SHALL NOT BE PERMITTED WITHIN TWO (2) FEET OF ANY EXCAVATION THAT RESULTS IN A VERTICAL DROP-OFF OF MORE THAN TWO (2) INCHES BUT NO MORE THAN FIVE (5) INCHES IN THE LEVEL OF PAVEMENT DURING NON-WORKING HOURS UNLESS EITHER RAMPED WITH AGGREGATE MATERIAL AT A 3:1 OR FLATTER SLOPE, PROVIDED WITH AN ABUTTING WEDGE BITUMINOUS MATERIAL AT A 3:1 OR FLATTER SLOPE OR PROTECTED BY TRAFFIC CONTROL DRUMS.
- IN AREAS WHERE A DROP-OFF IN THE LEVEL OF PAVEMENT IS TWO (2) INCHES OR LESS, TRAFFIC MAY BE ALLOWED TO FREELY CROSS UNDER THE FOLLOWING CONDITIONS:
  - WHERE LONGITUDINAL PAVING JOINTS OF TWO (2) INCHES OR LESS ARE EXPOSED TO TRAFFIC, WARNING SIGNS BE POSTED INDICATING "UNEVEN LANES" (W8-11). THESE SIGNS SHOULD BE PLACED 250 FEET IN ADVANCE OF THE UNEVEN JOINT AND BE SPACED AT APPROPRIATE INTERVALS THROUGHOUT THE AREA OF THE UNEVEN JOINT.
  - WHERE LATERAL PAVING JOINTS OF TWO (2) INCHES OR LESS ARE EXPOSED TO TRAFFIC, A "BUMP" (W8-1) SIGN SHALL BE POSTED 100 FEET IN ADVANCE OF THE JOINT.
  - WHEN MILLED PAVEMENT IS LEFT EXPOSED TO TRAFFIC A "ROUGH ROAD" W8-8) OR "GROOVED PAVEMENT" (W8-8A) SIGN SHALL BE PLACED 250 FEET IN ADVANCE OF THE MILLED AREA.

PARKING RESTRICTIONS

- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE MCDOT, DIVISION OF PARKING MANAGEMENT AT 240-777-6000 A MINIMUM OF 48 HOURS IN ADVANCE TO ARRANGE FOR PAYMENT AND THE BAGGING OF ALL PARKING METERS WITHIN THE WORK ZONE. METER NUMBERS AND LOCATION MUST BE SPECIFIED.
- BAGGING AGREEMENT SHALL BE KEPT AVAILABLE BY THE CONTRACTOR/PERMITTEE FOR INSPECTION BY THE DPS INSPECTOR AT ANY TIME. PROHIBITING THE USE OF METERED SPACES BY THE CONTRACTOR/PERMITTEE WITHOUT RECEIPT OF "BAGGING AGREEMENT" IS SUBJECT TO FINES.
- CONTRACTOR/PERMITTEE SHALL COORDINATE WITH DIVISION OF PARKING MANAGEMENT TO MAKE PAYMENT FOR ADDITIONAL BAGGING AND REMOVAL WHENEVER MORE SPACES ARE TEMPORARY REQUIRED.
- ALL EXISTING MONTGOMERY COUNTY "PARKING" SIGNS SHALL BE COVERED OR BAGGED BY THE CONTRACTOR/PERMITTEE FOR THE DURATION OF WORK; AND A TEMPORARY "NO PARKING ANYTIME" (R7-4) SIGN SHALL BE INSTALLED IN THE AFFECTED PARKING SPACES(S). EXISTING MONTGOMERY COUNTY PARKING METER PIPES/POLES SHALL NOT BE USED FOR TEMPORARY INSTALLATION.
- WHEN IT IS NECESSARY TO RESTRICT PARKING IN A NON-METERED AREA TO FACILITATE WORK ACTIVITY, THE CONTRACTOR/PERMITTEE SHALL CONTACT THE APPROPRIATE COUNTY POLICE STATION FOR TEMPORARY "NO PARKING" SIGNS.
- THE CONTRACTOR/PERMITTEE SHALL RESTORE ALL AFFECTED MONTGOMERY COUNTY PARKING SIGNAGE TO THEIR PREVIOUS CONDITION.

INSPECTOR AUTHORITY

- THE COUNTY'S DEPARTMENT OF PERMITTING SERVICES (DPS) INSPECTOR HAS THE AUTHORITY TO MODIFY THE TTCP AS DEEMED NECESSARY. THE INSPECTOR HAS THE AUTHORITY TO ORDER THE CONTRACTOR/PERMITTEE TO STOP WORK AND VACATE THE PUBLIC RIGHT-OF-WAY IF THE TTCP IS NOT COMPLIED WITH.
- THE IMPLEMENTATION DATE AND CONTINUANCE OF WORK ACTIVITIES MAY BE ALTERED AT THE DISCRETION OF THE COUNTY'S DPS INSPECTOR IN THE EVENT OF CONFLICTS WITH PREVIOUSLY APPROVED OR EMERGENCY ACTIVITIES.

MISCELLANEOUS

- THE CONTRACTOR/PERMITTEE WILL BE SOLELY RESPONSIBLE FOR ALL ACCIDENTS AND/OR DAMAGE TO PERSONS AND/OR PROPERTY DAMAGE RESULTING FROM HIS OPERATIONS.
- HAZARDOUS MATERIALS SHALL NOT BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACE OR SIDEWALK DURING NON-WORK PERIODS. ALL STORED MATERIALS AND EQUIPMENT SHALL BE SET BACK AT LEAST SIX (6) FEET BEHIND THE CURB ALONG A CLOSED SECTION ROADWAY AND AT LEAST TWELVE (12) FEET FROM THE EDGE OF AN OPEN SECTION ROADWAY.
- ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TTC DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- AT THE COMPLETION OF WORK ACTIVITIES, CONDITIONS WITHIN THE PUBLIC SPACE SHALL BE FULLY RESTORED TO THOSE THAT EXISTED PRIOR TO THE WORK ACTIVITY.


CONTACT INFORMATION

- CONTACT THE MCDOT TRANSPORTATION MANAGEMENT CENTER 240-777-2100 BETWEEN 5:00 AM AND 11:00 PM TO INFORM THEM OF TEMPORARY LANE CLOSURES IN THE VICINITY OF ANY TRAFFIC SIGNALS.
- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE TRANSPORTATION SYSTEMS ENGINEERING TEAM AT 240-777-2100 AT LEAST TWO WEEKS IN ADVANCE TO COORDINATE ANY MINOR TRAFFIC SIGNAL WORK. MAJOR TRAFFIC SIGNAL WORK SHALL BE COORDINATED A MINIMUM OF THIRTY (30) DAYS IN ADVANCE OF THE PROJECT. THE CONTRACTOR/PERMITTEE SHALL CONTACT THE MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER AT 240-777-2100 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK TO HAVE TRAFFIC SIGNAL EQUIPMENT MARKED.
- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE TRAFFIC ENGINEERING DESIGN & OPERATIONS SECTION (TEDO) AT 240-777-6000 AT LEAST TEN (10) WORKING DAYS IN ADVANCE OF THE FINAL PAVING OPERATION TO SCHEDULE THE INSTALLATION OF PERMANENT PAVEMENT MARKINGS AND SIGNS.
- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE DIRECTOR OF THE BETHESDA URBAN PARTNERSHIP AT 301-215-6660, THE DIRECTOR OF THE BETHESDA - CHEVY CHASE REGIONAL SERVICES CENTER AT 301-986-4325, AND THE BETHESDA TRAFFIC SERGEANT OF THE MONTGOMERY COUNTY POLICE DEPARTMENT AT 301-657-9200, A MINIMUM OF ONE WEEK PRIOR TO THE BEGINNING OF ANY WORK ACTIVITIES WITHIN THE BETHESDA BUSINESS DISTRICT.
- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE DIRECTOR OF THE UP COUNTY REGIONAL SERVICES CENTER AT 240-777-8000 AND THE GERMANTOWN TRAFFIC SERGEANT OF THE MONTGOMERY COUNTY POLICE DEPARTMENT AT 301-840-2650, A MINIMUM OF ONE WEEK PRIOR TO THE BEGINNING OF ANY WORK ACTIVITIES WITHIN THE GERMANTOWN BUSINESS AREA.
- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE DIRECTOR AT 301-565-7300 OF THE SILVER SPRING REGIONAL SERVICES CENTER AND THE SILVER SPRING TRAFFIC SERGEANT AT 301-565-7740 OF THE MONTGOMERY COUNTY POLICE DEPARTMENT, A MINIMUM OF ONE WEEK PRIOR TO THE BEGINNING OF ANY WORK ACTIVITIES WITHIN THE SILVER SPRING BUSINESS DISTRICT.
- THE CONTRACTOR/PERMITTEE SHALL CONTACT THE DIRECTOR AT 240-777-8100 OF THE MID-COUNTY REGIONAL SERVICES CENTER AND THE WHEATON TRAFFIC SERGEANT AT 301-217-4400 OF THE MONTGOMERY COUNTY POLICE DEPARTMENT, A MINIMUM OF ONE WEEK PRIOR TO THE BEGINNING OF ANY WORK ACTIVITIES WITHIN THE WHEATON BUSINESS DISTRICT.
- FIELD ASSISTANCE BY THE MCDOT DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS IS AVAILABLE UPON REQUEST. CONTACT TRAFFIC ENGINEERING DESIGN & OPERATIONS SECTION (TEDO) AT 240-777-6000.

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."

NAME: JONATHAN E. MARTIN  
LICENSE NO.: 33953,  
EXPIRATION DATE: 1/16/2023."



SLIGO CREEK MINI DRAINAGE BASIN NO. 11  
WHEATON ELECTION DISTRICT NO. 13

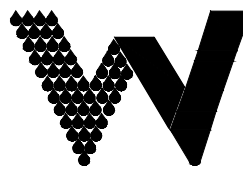
WATER AND SEWER MAIN REPLACEMENTS/RELOCATIONS  
EASTERN AVENUE BETWEEN 1ST AVENUE AND 2ND AVENUE  
TAKOMA PARK, MONTGOMERY COUNTY, MARYLAND

DATE		REVISIONS	
PIPELINE DESIGN DIVISION			
_____		_____	
DATE		DIVISION MANAGER	
WATER INFRASTRUCTURE SECTION 90% DESIGN SUBMITTAL 6/25/2021			
_____		_____	
DATE		SECTION MANAGER	
_____		_____	
DATE		REVIEWED BY	
CONTRACT BR/CR/LR5355D12			
50S			
200 208 NE 01		TC-1	
		OF TC-2	

DATE: 8/13/2021 10:41 AM

SERVICE AREA 495A  
HHG = 500'  
LHG = 410'

WASHINGTON SUBURBAN SANITARY COMMISSION



THESE DOCUMENTS CONTAIN  
PRIVILEGED AND CONFIDENTIAL  
INFORMATION WHICH SHALL NOT  
BE REDISTRIBUTED WITHOUT  
PRIOR WSSC APPROVAL

ENGINEER:

NAME: THE WILSON T. BALLARD COMPANY  
ADDRESS: 17 GWYNNS MILL COURT, OWINGS MILLS, MD 21117  
PHONE: (410) 363-0150  
CONTACT: JEFF ZIEGENFUSS

VERIFY SCALE - BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.







<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>TOP VIEW</b></p> <p><b>JOINING TWO ADJACENT SILT FENCE SECTIONS</b></p> <p><b>FRONT VIEW</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 10</b></p>	<p><b>ISOMETRIC VIEW</b></p> <p><b>SECTION A-A</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 11</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 12</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 13</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 14</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 15</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 16</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 17</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 18</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 19</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 20</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 21</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 22</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 23</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 24</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 25</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 26</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 27</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 28</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 29</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 30</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 31</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 32</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 33</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 34</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 35</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 36</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 37</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 38</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 39</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 40</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 41</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 42</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 43</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 44</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 45</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 46</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 47</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 48</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 49</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 50</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 51</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 52</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 53</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 54</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 55</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 56</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 57</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 58</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 59</b></p>	<p><b>PLAN</b></p> <p><b>STANDARD SYMBOL</b></p> <p><b>SC 60</b></p>	<p><b>PERSPECTIVE VIEW</b></p> <p><b>CROSS SECTION</b></p> <p><b>STANDARD SYMBOL</b></p>
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