

150 KSI All-Thread-Bar



Nominal Bar Diameter & Pitch	Minimum Net Area (Free Thread)	Minimum Ultimate Strength	Preloading Force	Minimum Weight	Approx. Thread Weld Size	Part Number
1/2" - 8 (12.7 mm)	0.60 in ² (388 mm ²)	120 kips (534 kN)	80 kips (357 kN)	6.5 lbs (2.9 kg)	1/8" (3.2 mm)	W150-8
3/4" - 8 (19.1 mm)	0.88 in ² (567 mm ²)	180 kips (803 kN)	120 kips (534 kN)	10.5 lbs (4.8 kg)	1/8" (3.2 mm)	W150-10
1" - 8 (25.4 mm)	1.19 in ² (771 mm ²)	240 kips (1068 kN)	160 kips (712 kN)	14.5 lbs (6.6 kg)	1/8" (3.2 mm)	W150-12
1 1/8" - 8 (31.8 mm)	1.54 in ² (993 mm ²)	320 kips (1422 kN)	210 kips (938 kN)	19.5 lbs (8.9 kg)	1/8" (3.2 mm)	W150-14
1 3/8" - 8 (34.9 mm)	1.88 in ² (1214 mm ²)	400 kips (1779 kN)	260 kips (1158 kN)	24.5 lbs (11.1 kg)	1/8" (3.2 mm)	W150-16
1 1/2" - 8 (38.1 mm)	2.22 in ² (1438 mm ²)	480 kips (2136 kN)	310 kips (1380 kN)	29.5 lbs (13.4 kg)	1/8" (3.2 mm)	W150-18
1 5/8" - 8 (41.3 mm)	2.56 in ² (1658 mm ²)	560 kips (2482 kN)	360 kips (1600 kN)	34.5 lbs (15.7 kg)	1/8" (3.2 mm)	W150-20
2" - 8 (50.8 mm)	3.47 in ² (2248 mm ²)	760 kips (3380 kN)	500 kips (2224 kN)	47.5 lbs (21.6 kg)	1/8" (3.2 mm)	W150-24
2 1/4" - 8 (60.3 mm)	4.40 in ² (2853 mm ²)	1000 kips (4448 kN)	660 kips (2943 kN)	62.5 lbs (28.4 kg)	1/8" (3.2 mm)	W150-28
2 1/2" - 8 (63.5 mm)	5.00 in ² (3227 mm ²)	1120 kips (5000 kN)	740 kips (3300 kN)	70.5 lbs (32.0 kg)	1/8" (3.2 mm)	W150-30
2 3/4" - 8 (66.7 mm)	5.69 in ² (3658 mm ²)	1240 kips (5512 kN)	820 kips (3658 kN)	78.5 lbs (35.6 kg)	1/8" (3.2 mm)	W150-32
3" - 8 (76.2 mm)	6.72 in ² (4328 mm ²)	1440 kips (6422 kN)	960 kips (4267 kN)	92.5 lbs (42.0 kg)	1/8" (3.2 mm)	W150-36
3 1/2" - 8 (88.9 mm)	8.18 in ² (5288 mm ²)	1760 kips (7840 kN)	1160 kips (5180 kN)	110.5 lbs (50.1 kg)	1/8" (3.2 mm)	W150-40
4" - 8 (101.6 mm)	10.00 in ² (6462 mm ²)	2160 kips (9632 kN)	1440 kips (6422 kN)	134.5 lbs (61.0 kg)	1/8" (3.2 mm)	W150-44

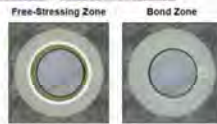
*ASTM A193, B7 indicates that the nominal shear strength of an anchor not exceed 80% of area of steel in the ultimate strength of the bar. Designers should allow appropriate resistance factors for shear based on the installation of bar.
 *The PT (pre-tensioning) force for anchoring anchors should be designed for bar.
 *The height of bar in hole must be 100% of the specified minimum tensile strength of the pre-tensioning bar.
 *The top of bar (bar) must not exceed 70% of the specified minimum tensile strength of the pre-tensioning bar.
 *The maximum bar load should not exceed 80% of the specified minimum tensile strength of the pre-tensioning bar.

Multiple Corrosion Protection I - Class 2 Protection (per PT)

Two barriers around plain bar in free-stress zone plus drill hole grout.

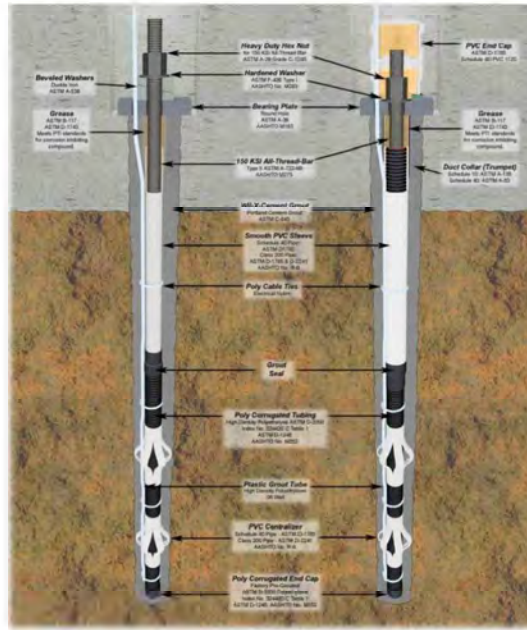
- Plain or epoxy coated bar
- Smooth PVC sleeve over bar in free-stressing zone
- Grease/wax gel or grout filled smooth PVC sleeve over bar in the free-stress zone
- Unit is covered in drill hole grout with centralizers
- Typically made with 150 KSI All-Thread-Bar or Grade 75 All-Thread Rebar

Nominal Bar Diameter & Pitch	Min. Drill Hole Dia	Common Drill Hole Dia Range
1/2" - 8 (12.7 mm)	1 1/8" (31.8 mm)	3 1/2" to 4" (89 to 102 mm)
3/4" - 8 (19.1 mm)	1 3/8" (34.9 mm)	3 1/2" to 5" (89 to 127 mm)
1" - 8 (25.4 mm)	1 5/8" (41.3 mm)	4" to 5" (102 to 127 mm)
1 1/8" - 8 (31.8 mm)	1 7/8" (47.6 mm)	4 1/2" to 6" (114 to 152 mm)
1 3/8" - 8 (34.9 mm)	2" (50.8 mm)	4 1/2" to 6" (114 to 152 mm)
1 1/2" - 8 (38.1 mm)	2 1/8" (57.1 mm)	5" to 6" (127 to 152 mm)
1 5/8" - 8 (41.3 mm)	2 3/8" (60.3 mm)	5" to 6" (127 to 152 mm)
2" - 8 (50.8 mm)	2 7/8" (73.0 mm)	5" to 6" (127 to 152 mm)
2 1/4" - 8 (60.3 mm)	3" (76.2 mm)	5" to 6" (127 to 152 mm)
2 1/2" - 8 (63.5 mm)	3 1/8" (82.5 mm)	5" to 6" (127 to 152 mm)
2 3/4" - 8 (66.7 mm)	3 3/8" (86.1 mm)	5" to 6" (127 to 152 mm)
3" - 8 (76.2 mm)	3 7/8" (98.4 mm)	5" to 6" (127 to 152 mm)



Shown with 150 KSI All-Thread-Bar.
 Note: Drill hole diameters and bond lengths are based on geotechnical recommendations. Consult your geotechnical engineer for recommendations.

MCP II & III



1 ROCK BOLT- BASIS OF DESIGN

NOTES:

1. ROCK BOLT SHALL MEET THE MINIMUM REQUIREMENTS INDICATED ON THE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE ROCK BOLTS. THE TYPE OF ROCK BOLTS INDICATED IN THIS DETAIL ARE TO BE CONSIDERED ONLY AS A BASIS OF DESIGN, AND THE CONTRACTOR MAY USE ALTERNATE MATERIALS.

100% DRAFT CONSTRUCTION DOCUMENTS

GRAPHIC SCALE	DESIGNED: DB	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
	ENGR. CEN	S4.0	PRODUCTS - BASIS OF DESIGN	412
	TECH. REVIEW: -			167062
	DATE: 06/12/2020			FMS/PKG NO. 310405
				SHEET 8 OF 27

HYDROVAC APPLICATIONS - WHAT IS HYDROVAC EXCAVATION?



The Badger Hydrovac™ system provides the safest form of non-destructive excavation.

Our Hydrovac's dig efficiently utilizing a highly pressurized water and a proprietary vacuum system to excavate or expose (daylighting) buried infrastructure.

This process uses highly pressurized water to liquefy the soil creating a slurry type mixture. Simultaneously, this mixture is extracted by the powerful Badger vacuum system into a truck mounted debris tank which can be located up to 600' away. Our system also has the ability to provide excavation service up to 50' deep.

HYDROVAC APPLICATIONS - DEBRIS REMOVAL



The Badger Hydrovac System excels at Debris Removal.

The time-consuming and daunting task of removing unwanted materials, scattered remains of structures, rubble, wreckage, ruins, refuse or natural geological fragments is well within the Badger vacuum truck's wide range of capabilities. Our vacuum trucks (Badger) Crews can remove practically any type of material (soil, water, sludge, spills, debris, etc.) from remote distances - wet or dry material can be extracted from over 600' away.

The Badger Hydrovac vacuum truck pressurized water systems also assists with cleaning during and after debris removal.

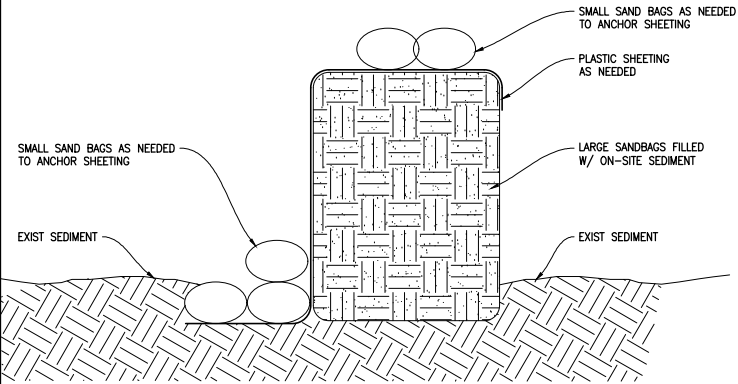


US EAST REGIONAL
US CORPORATE

8000 Motorsports Way,
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Email: useast@badger-corp.com



1 COFFERDAM- BASIS OF DESIGN

S4.1 SCALE D

NOTE:

THE DESIGN AND CONSTRUCTION OF THE TEMPORARY COFFERDAM IS THE RESPONSIBILITY OF THE CONTRACTOR. THE MATERIALS AND CONFIGURATION INDICATED ARE ONLY A BASIS OF DESIGN AND ARE NOT REQUIRED.

2 SPECIAL EXCAVATION- BASIS OF DESIGN

S4.1

NOTE:

THE EXCAVATION EQUIPMENT INDICATED IS ONLY FOR A BASIS OF DESIGN AND IS NOT REQUIRED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR SELECTING AND USING ALL EQUIPMENT NECESSARY FOR CONSTRUCTING THE WORK.

100% DRAFT CONSTRUCTION
DOCUMENTS

GRAPHIC SCALE	DESIGNED: DB BADGER CEN TECH. REVIEW: — DATE: 06/12/2020	SUB SHEET NO. S4.1	TITLE OF SHEET PRODUCTS - BASIS OF DESIGN STABILIZE SOUTH PRISM WALL	DRAWING NO. 412 167062 FMS/PKG NO. 310405 SHEET 9 OF 27
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DRAWING NO. 412 167062
PMIS/PKG NO. 310405
SHEET 10 OF 27



1 PHOTO 1
\$5.0



3 PHOTO 3
\$5.0



2 PHOTO 2
\$5.0



4 PHOTO 4
\$5.0

100% DRAFT CONSTRUCTION
DOCUMENTS

GRAPHIC SCALE	DESIGNED: DB	SUB SHEET NO. \$5.0	TITLE OF SHEET EXISTING CONDITIONS – PHOTOS STABILIZE SOUTH PRISM WALL	DRAWING NO. 412
	TECH. REVIEW: —			PMIS/PKG NO. 310405
	DATE: 06/12/2020			SHEET 12 OF 27

DEMOLITION:

- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR SHUTOFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED.
- CONTRACTOR SHALL REMOVE AND TRANSPORT ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM ALL DEMOLITION OPERATIONS TO A LEGAL DISPOSAL OFF SITE.
- REMOVAL OF ASPHALT AND CONCRETE PAVEMENT SHALL INCLUDE THE REMOVAL OF ALL SURFACE, BASE AND SUB-BASE MATERIALS.
- EXISTING CONDITIONS SHOWN HEREON WERE TAKEN FROM A SURVEY PREPARED BY NAME OF COMPANY DATED: AND FROM AVAILABLE UTILITY COMPANY RECORDS.
- ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING WATER, STORM DRAINAGE, SANITARY SEWER, ELECTRICAL, TELEPHONE AND GAS WERE TAKEN FROM AVAILABLE RECORDS AND FIELD VERIFIED WHERE POSSIBLE. THE LOCATION OF ALL UTILITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK. NOTIFY ANY DISCREPANCY TO THE ENGINEER, MARKING LOCATIONS OF EXISTING UTILITIES, CONTACT "MISS UTILITY" AT 1-800-257-7777, 48-HOURS PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR MUST HAND-DIG TEST PITS AT ALL UTILITY CROSSINGS TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES AS WELL IN DEMOLITION WORK AND PRIOR TO ORDERING PIPE MATERIALS AND STRUCTURE. UTILITIES FOUND DURING DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF ANY CONTRACTOR ENGAGED IN EXCAVATION AT THIS SITE. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY UTILITY FINDINGS WHICH DEVIATE FROM THE CONDITIONS SHOWN.
- ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE INSTALLED BEFORE THE START OF ANY EXCAVATION AND/OR DEMOLITION AS PER DISTRICT OF COLUMBIA EROSION AND CONTROL HANDBOOK. IF ANY ON-SITE INSPECTION REVEALS FURTHER EROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED. REFER TO SHEETS AND SEDIMENTATION AND EROSION CONTROL PLANS AND DETAILS.
- SEE SEDIMENTATION AND EROSION CONTROL PLAN FOR ALL EXISTING TREES TO REMAIN AND BE PROTECTED.
- NOTE: PROXIMITY OF ADJACENT STRUCTURES AND UTILITY LINES AND MAINTAIN CONTINUED SERVICE DURING CONSTRUCTION. COORDINATE WITH RESPECTIVE UTILITY COMPANIES AND ENGINEER SHOULD RELOCATION OF SERVICE BE REQUIRED.
- EXISTING UTILITIES (STRUCTURES AND LINES) NOT REQUIRED FOR FUTURE SERVICE TO BE REMOVED TO FACILITATE CONSTRUCTION. UTILITIES TO BE CAPPED AS PER UTILITY PURVEYOR'S STANDARDS AND SPECIFICATIONS. COORDINATE REQUIREMENTS WITH UTILITY PURVEYOR'S.
- REMOVAL OF ALL WALLS/RETAINING WALLS AND FENCES SHALL INCLUDE THE REMOVAL OF THEIR FOUNDATION UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
- ALL EXISTING DC STREETLIGHT POLES THAT ARE BEING PERMANENTLY REMOVED MUST BE RETURNED IN GOOD CONDITION TO THE DISTRICT OF COLUMBIA WAREHOUSE AT 1735 15TH STREET NE OFF WEST VIRGINIA AVENUE CONTACT NUMBER 202-576-5258.
- EXISTING WATER AND SEWER SERVICES NOT REQUIRED FOR FUTURE USE TO BE REMOVED TO EXTENT NECESSARY TO FACILITATE NEW CONSTRUCTION. REMAINDER OF SERVICE TO BE CAPPED AT MAIN AND EXISTING VALVES AND TEES TO BE REMOVED PER DC WATER STANDARDS SPECIFICATIONS. COORDINATE REQUIREMENTS WITH DC WATER INSPECTOR AT 202-787-4024. PAVEMENT TO BE REMOVED PER DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- CONTRACTOR TO BE RESPONSIBLE FOR LAYOUT, EXTENT AND DESIGN OF SHEETING, SHORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES. SHORING, BRACING AND UNDERPINNING SHALL BE DESIGNED BY A STRUCTURAL ENGINEER, LICENSED IN THE DISTRICT OF COLUMBIA, HIRED BY THE CONTRACTOR AS NECESSARY TO ENSURE SUPPORT OF SURROUNDING STRUCTURES AND UTILITIES.
- CONTRACTOR TO RELOCATE PARKING METERS IF REQUIRED AND AS DIRECTED BY D.C. BUREAU OF PARKING. COORDINATE REQUIREMENT WITH LARRY BROWN OF PARKING SERVICES AT 202-471-2291.
- NOTIFY DC WATER UTILITY INSPECTOR, CHIEF UTILITY INSPECTION (202) 787-4024 OF DISTRICT OF COLUMBIA WATER & SEWER AUTHORITY 48 HOURS PRIOR TO START OF CONSTRUCTION.
- UNLESS OTHERWISE SHOWN ON THESE DRAWINGS, EXISTING PAVEMENT ON STREET OR AVENUE NAME TO REMAIN. PROVIDE PRE-CONSTRUCTION VIDEO OF EXISTING PAVEMENT. EXISTING PAVEMENT, DISTURBED OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED PER DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AT NO ADDITIONAL COST.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES VERIFY INVERT ELEVATION OF EXISTING UTILITIES. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH INFORMATION SHOWN PRIOR TO ORDERING ANY STRUCTURES.
- CONTACT "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO CONSTRUCTION.
- CONTACT DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION-PUBLIC SPACE MAINTENANCE ADMINISTRATION 48 HOURS PRIOR TO START OF CONSTRUCTION AT (202) 645-6030 OR (202) 645-6031
- ALL PROPOSED UTILITY WORK TO BE PERFORMED UNDER THE INSPECTION OF THE DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY.
- USE MANHOLE ENTRY SEALS WHERE REQUIRED.
- CONTRACTOR TO PROVIDE A PRE AND POST TV VIDEO SEWER ON EXISTING SEWER AROUND THE SITE PER DC WATER STANDARDS AND SPECIFICATIONS.

SITE NOTES:

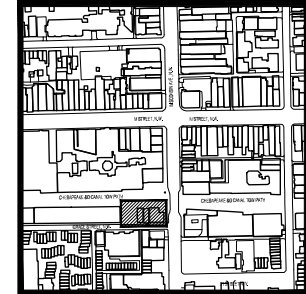
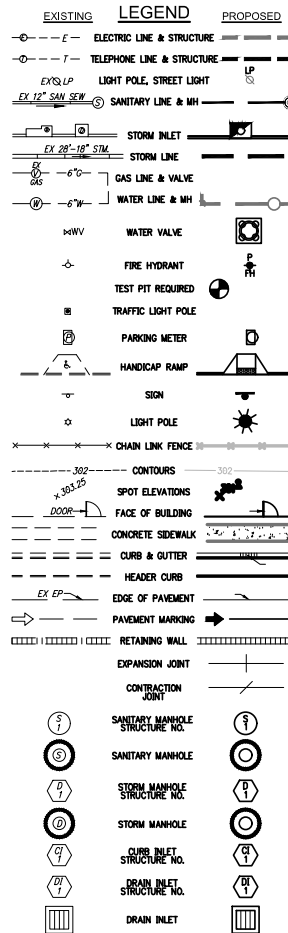
- WHERE NEW WORK MEETS EXISTING, NOTE FIELD LOCATION AND ELEVATIONS OF EXISTING FEATURES BEFORE BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCY TO THE ARCHITECT OR ENGINEER.
- VERIFY LOCATION OF EXISTING UTILITIES BEFORE PROCEEDING WITH WORK. NOTIFY OWNER'S REPRESENTATIVE, DC WATER UTILITY INSPECTOR, DC WATER (202-787-4024) AND "MISS UTILITY" (1-800-257-7777) 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATIONS. HAND DIG TEST PITS AT ALL UTILITY CROSSINGS AND DETERMINE EXACT CLEARANCE OF ALL PROPOSED INSTALLATIONS WELL IN ADVANCE OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONFLICTS WITH PLAN ELEVATIONS.
- WORK AND MATERIALS IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE APPLICABLE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. ON-SITE WORK AND MATERIALS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DISTRICT OF COLUMBIA PLUMBING CODE.
- ELEVATIONS SHOWN HEREON ARE BASED ON D.C. DATUM.
- DIMENSIONS ARE TO FACE OF WALL AND CURB, EDGE OF WALK AND PAVEMENT, CENTERLINE OF COLUMN, PIPE AND UTILITY STRUCTURE, UNLESS OTHERWISE NOTED.
- FRAMES AND COVERS OF EXISTING STRUCTURES TO BE ADJUSTED TO MATCH NEW FINISHED GRADES.
- OMISSIONS AND/OR ADDITIONS OF UTILITIES FOUND DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY OF ANY INFORMATION CONCERNING FOUND UTILITY, NOT SHOWN ON PLANS.
- EXISTING SURFACE CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO MATCH EXISTING CONDITIONS. CONTRACTOR TO COORDINATE EXTENT WITH ARCHITECT OR ENGINEER.
- TEST PITS ARE REQUIRED AT ALL LOCATION(S) WHERE PROPOSED UTILITIES CROSS EXISTING UTILITIES. INVESTIGATION(S) TO IDENTIFY HORIZONTAL LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES. THE ENGINEER IS TO BE NOTIFIED OF THIS INFORMATION.
- IF A 1' MINIMUM VERTICAL CLEARANCE CAN NOT BE MAINTAINED AT UTILITY CROSSING, THE CONTRACTOR IS TO NOTIFY THE ENGINEER BEFORE PROCEEDING WITH WORK.
- TRANSITION CURB, GUTTER, PAVING AND SIDEWALK TO MEET EXISTING IN LINE AND ON GRADE OR AS DIRECTED BY ENGINEER.
- ALL DEBRIS AND EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED OFF-SITE LOCATION.
- ALL ON-SITE WATER LINES TO HAVE A MINIMUM COVER OF 4'-0". WATER FITTINGS SHALL BE PROPERLY TIED AND ANCHORED, PER DC WATER STANDARDS AND SPECIFICATIONS.
- WHERE PORTIONS OF EXISTING BITUMINOUS OR CONCRETE PAVING ARE TO BE REMOVED, THE EXISTING PAVEMENT SHALL BE SAW-CUT.
- REMOVE FRAMES AND COVERS OF SEWER MANHOLE/INLETS AND/OR WATER MAIN VALVE CASTINGS TO BE ABANDONED AND FILL TO GRADE.
- ALL CURB SPOT SHOTS ARE TOP OF CURB, UNLESS OTHERWISE NOTED.
- NOTIFY WASHINGTON GAS AT 202-750-4205, 48 HOURS PRIOR TO ANY EXCAVATION IN THE VICINITY OF ANY TRANSMISSION MAIN. FOR FURTHER INFORMATION OR PROBLEMS, CONTACT MR. CHUCK WHITLEY AT WASHINGTON GAS AT 703-750-4265.
- PROVIDE A MINIMUM OF 5 FEET HORIZONTAL AND 1 FOOT VERTICAL CLEARANCE BETWEEN 12" DIAMETER AND SMALLER DISTRIBUTION EXISTING GAS FACILITIES AND PROPOSED FACILITIES.
- PROVIDE A MINIMUM OF 5 FEET HORIZONTAL AND 2 FEET VERTICAL CLEARANCE BETWEEN 16" DIAMETER OR GREATER TRANSMISSION GAS FACILITIES AND PROPOSED FACILITIES.
- ALL PROPOSED WORK TO BE CONSTRUCTED IN ACCORDANCE WITH LATEST STANDARDS AND SPECIFICATIONS OF THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION AND WATER AND SEWER AUTHORITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING SIDEWALK, CURB AND GUTTER TO REMAIN OR TO REPLACE SIDEWALK, CURB AND GUTTER DAMAGED DURING CONSTRUCTION.
- EXISTING FULL DEPTH PAVEMENT SECTION, CURB AND GUTTER TO BE REMOVED AND REPLACED TO EXTENT NECESSARY TO FACILITATE CONSTRUCTION OF NEW UTILITIES. MATERIALS TO COMPLY WITH DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- REFER TO SUBSURFACE EXPLORATION & GEO-TECHNICAL ENGINEERING ANALYSIS FOR GEO-TECH REPORT.

SITE LEGEND:

- TEST PITS ARE REQUIRED AT ALL PROPOSED UTILITY CROSSINGS WITH ALL EXISTING UTILITY LINES TO DETERMINE THE EXACT HORIZONTAL LOCATION, ELEVATION AND ADD SIZE OF THE EXISTING UTILITIES. A MINIMUM OF ONE FOOT VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN EXISTING AND PROPOSED UTILITIES. TEST PITS SHOULD BE COMPLETED PRIOR TO ORDERING ANY STRUCTURES OR PIPE MATERIALS. NOTIFY ENGINEER OF ANY CONFLICT WITH PROPOSED PLANS.

URBAN FORESTRY NOTES:

TREE PLANTING SHALL COMPLY WITH THE DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES SECTION 611 AND STANDARD DRAWINGS NO. 611.1B AND 611.11. DECIDUOUS TREES SHALL ONLY BE PLANTED BETWEEN OCTOBER 15 AND MAY 1 AS PER THE SPRING AND FALL PLANTING SEASON DATES. COMPANION PLANTS (I.E. PERENNIALS, GRASSES, BULBS, SHRUBS, ETC.) TO BE INSTALLED IN TREE BOXES MUST CONFORM TO DISTRICT MINIMUM HEIGHT STANDARDS TO PRESERVE SIGHTLINES, HAVE A SHALLOW ROOT SYSTEM, AND BE PLANTED AT MINIMUM 2 FEET FROM THE ROOT FLARE (CROWN) OF THE STREET TREE. DO NOT USE EXISTING SOIL ON-SITE OR AMEND AS TOPSOIL. PEAT MOSS IS NOT ALLOWED FOR USE AS A SOIL AMENDMENT. FINISH OFF 2 FOOT CLEAR ZONE AROUND TREES WITH A 2-3" LAYER OF MULCH, BUT DO NOT PLACE UP AGAINST OR MOUND AROUND ROOT FLARE. CONTACT RESPECTIVE WARD ARBORIST WHEN THE STREET TREES ARE READY TO BE PLANTED, PROVIDING AT LEAST 48 HOURS NOTICE.



VICINITY MAP

SQUARE: 1200 LOT: 52, 852, 869
ADDRESS: 3207 GRACE STREET NW
WASHINGTON, DC.

PROJECT NARRATIVE:

THE SUBJECT SITE CONSISTS OF 2,640 SF, OR APPROXIMATELY 0.061 ACRES OF LAND AREA INSIDE THE C&O CANAL PRISM, AND IS BOUNDED BY WISCONSIN AVENUE, NW, GRACE STREET, NW, THE C&O CANAL TOWPATH, AND THE GEORGETOWN PARK CONDOMINIUM TO THE WEST. THE PROJECT WILL RESULT IN REINFORCEMENT BRACING FOR THE SOUTHERN WALL OF THE C&O CANAL UNDERNEATH THE 3207 GRACE STREET, NW, AND 1948 WISCONSIN AVENUE, NW, ADDRESSES AND IN THE ADJOINING NATIONAL PARK SERVICE PROPERTY.

NO UTILITIES ARE PROPOSED TO BE CONSTRUCTED, ADDED, OR ALTERED PERMANENTLY BY THIS PROJECT.

NO STORM WATER MANAGEMENT IS REQUIRED FOR THIS PROJECT PER THE DISTRICT DEPARTMENT OF ENERGY AND ENVIRONMENT REQUIREMENTS FOR QUANTITY AND QUALITY.

CIVIL DRAWING INDEX:

- CIV0001 NOTES, LEGEND AND ABBREVIATIONS
- CIV0001A NOTES, LEGEND AND ABBREVIATIONS
- CIV0001B EXISTING CONDITIONS PLAN
- CIV0001C EXISTING CONDITIONS PHOTO EXHIBIT
- CIV0001D DEMOLITION PLAN
- CIV0001E EROSION AND SEDIMENT CONTROL PLAN
- CIV0001F EROSION AND SEDIMENT CONTROL NOTES
- CIV0001G SITE PLAN
- CIV0001H EROSION AND SEDIMENT CONTROL DETAILS
- CIV0001I EROSION AND SEDIMENT CONTROL DETAILS
- CIV0001J EROSION AND SEDIMENT CONTROL DETAILS
- CIV0001K SITE DETAILS
- CIV0001L SITE DETAILS

DOEE ESC PLAN NO: s15338



100% DRAFT CONSTRUCTION DOCUMENTS

GRAPHIC SCALE	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
	BAOP	CIV0001	NOTES LEGEND ABBREVIATIONS	412
	TECH. REVIEW:		STABILIZE SOUTH PRISM WALL	167062
	DATE:			FMS/PGK NO. 310405
	06/12/2020			SHEET 14 OF 27

STANDARDS FOR SHEETING AND SHORING

ADJACENT TO DC WATER UTILITIES:

DEFINITIONS:

1. FOR THE PURPOSE OF THIS STANDARD, THE "ZONE OF INFLUENCE" SHALL BE DEFINED AS THE WEDGE OF SOIL INSCRIBED BY A LINE DRAWN TANGENT TO AND PROJECTING UPWARD FROM THE OUTERMOST PROJECTION OF A CONDUIT AT AN ANGLE OF 45 DEGREES WITH THE HORIZONTAL.
2. THE "ENGINEER" SHALL BE DEFINED AS DIRECTOR, DEPARTMENT OF ENGINEERING AND TECHNICAL SERVICES, D.C. WATER, OR THE AUTHORIZED REPRESENTATIVE THEREOF.

POINTS OF CONTACT:

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DC WATER 24-HOUR EMERGENCY LINE AT (202) 612-3499 OF ANY EMERGENCY AFFECTING THE CONDITION OR STABILITY OF ITS UTILITIES.
2. THE CONTRACTOR SHALL NOTIFY DC WATER A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION OR CONSTRUCTION. CONTACT DC WATER UTILITY INSPECTOR AT (202) 787-4024.

LOCATION OF DC WATER UTILITIES:

IF REQUIRED BY THE ENGINEER, THE EXACT LOCATION OF DC WATER UTILITIES SHALL BE DETERMINED BY TEST PITTING PRIOR TO INSTALLATION OF SHEETING.

PILES AND SHEET PILING:

1. ALL PILES INSTALLED BY THE IMPACT DRIVING METHOD WITHIN 50 FEET OF ANY DC WATER UTILITY SHALL BE PRE-AUGERED TO THE INVERT DEPTH OF THE PIPELINE.
2. NO SHEET PILING SHALL BE INSTALLED BY THE IMPACT DRIVING METHOD WITHIN 50 FEET OF ANY DC WATER UTILITY.
3. SHEET PILING MAY BE INSTALLED WITHIN 50 FEET OF A DC WATER UTILITY BY THE USE OF APPROVED VIBRATORY EQUIPMENT. THE CONTRACTOR SHALL DEMONSTRATE TO THE ENGINEER THAT THE EQUIPMENT DOES NOT EXCEED ACCEPTABLE LIMITS OF VIBRATION BY PROVIDING VIBRATION-MONITORING INSTRUMENTATION LOCATED AT THE SHORTEST DISTANCE FROM THE SHEETING TO THE UTILITY.

VIBRATION MONITORING:

1. WHEN REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE INSTRUMENTATION AND A QUALIFIED OPERATOR TO MONITOR VIBRATIONS PRODUCED BY THE INSTALLATION OF PILES AND SHEET PILING.
2. THE EQUIPMENT OPERATOR SHALL HAVE AT LEAST FIVE YEARS EXPERIENCE IN THE INSTALLATION AND OPERATION OF VIBRATION MONITORING EQUIPMENT AND INTERPRETATION OF THE RESULTS.
3. VIBRATIONS SHALL BE MONITORED BY MEASURING THE PEAK PARTICLE VELOCITY AT THE CLOSEST POINT ON THE UTILITY TO THE LOCATION OF WORK. THE MEASURED PEAK PARTICLE VELOCITY SHALL NOT EXCEED THE FOLLOWING:
- | FREQUENCY (IN/SEC) | PEAK PARTICLE VELOCITY |
|--------------------|------------------------|
| LESS THAN 10 HZ | 0.50 |
| 10-40 HZ | 0.75 |
| GREATER THAN 40 HZ | 2.00 |

BRACING AND TIEBACKS:

1. NO RACKERS OR HEEL BLOCKS SHALL BEAR IN THE ZONE OF INFLUENCE OF ANY DC WATER PIPELINE.
2. NO TIEBACKS SHALL BE INSTALLED WITHIN FIVE FEET OF ANY DC WATER UTILITY.
3. ANY TIEBACK CROSSING OVER A DC WATER PIPELINE OR STRUCTURE SHALL BE COMPLETELY UNLOADED UPON COMPLETION OF THE WORK.

CONSTRUCTION MONITORING:

- ANY EXCAVATION OR CONSTRUCTION OCCURRING WITHIN THE ZONE OF INFLUENCE OF DC WATER UTILITIES SHALL BE MONITORED AS FOLLOWS:
1. CONDUCT DETAILED PRE- AND POST-CONSTRUCTION SURVEYS OF UTILITIES AND STRUCTURES, TO INCLUDE VIDEO INSPECTION AND/OR PHOTOGRAPHS AS REQUIRED BY THE ENGINEER.
2. INSTALL VERTICAL AND HORIZONTAL DEFLECTION MONITORING STATIONS ALONG THE UTILITY ALIGNMENT, OR AT LOCATION DESIGNATED BY THE ENGINEER, TO DETECT SETTLEMENT OR LATERAL MOVEMENT OF THE UTILITY AND SURROUNDING SOIL.
3. MONITORING STATIONS SHALL OCCUR AT A MINIMUM OF 50 FEET ON CENTER FOR THE LENGTH OF DISTURBANCE WITHIN THE ZONE OF INFLUENCE, OR AT CLOSER SPACING IF DIRECTED BY THE ENGINEER.
4. MONITORING STATIONS GENERALLY SHALL CONSIST OF TARGETS AND BENCHMARKS THAT ARE READ BY STANDARD OPTICAL SURVEY EQUIPMENT. IF WARRANTED, INCHMETER STATIONS PLACED ALONG DEEP EXCAVATIONS SHALL SUPPLEMENT MONITORING STATIONS.
5. MONITORING STATIONS SHALL BE RECORDED AND RECORDED AT LEAST ONCE EACH WEEK, OR MORE FREQUENTLY AS DIRECTED BY THE ENGINEER, AND COPIES OF ALL RECORDS SHALL BE REPORTED TO DC WATER. REPORTS SHALL DOCUMENT THE LOCATION OF EACH STATION, THE DATE AND TIME OF EACH OBSERVATION, AND SHALL PROVIDE A CONTINUOUS HISTORY OF READINGS FOR EACH STATION, INCLUDING BASELINE READINGS.
6. MONITORING SHALL CONTINUE UNTIL THE EXCAVATION HAS BEEN PERMANENTLY STABILIZED.
7. ANY HORIZONTAL OR VERTICAL MOVEMENT WITHIN THE ZONE OF INFLUENCE THAT EXCEEDS 0.01 FT. SHALL BE IMMEDIATELY REPORTED TO DC WATER.
8. GROUNDWATER LEVELS AROUND DC WATER UTILITIES SHALL BE MONITORED BY INSPECTING OBSERVATION WELLS AND PIEZOMETERS, AND SHALL BE MAINTAINED TO PREVENT SETTLEMENT DUE TO DEWATERING.

DC/WATER GENERAL CONSTRUCTION NOTES:

1. CONTACT: NOTIFY THE FOLLOWING DC WATER DEPARTMENTS PRIOR TO THE COMMENCEMENT OF UTILITY CONSTRUCTION:
- A. CONSTRUCTION INSPECTION SECTION AT 202-787-4024 AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF UTILITY CONSTRUCTION TO SCHEDULE PRE-CONSTRUCTION MEETING.
- B. DEPARTMENT OF WATER SERVICES AT 202-612-3499 AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF WATER UTILITY CONSTRUCTION.
- C. DEPARTMENT OF SEWER SERVICES AT 202-264-3862 OR 3873 AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF SEWER UTILITY CONSTRUCTION.
2. STANDARDS: ALL CONSTRUCTION, MATERIALS, AND APPURTENANCES SHALL COMPLY WITH THE LATEST EDITIONS OF THE DC WATER PROJECT DESIGN MANUAL, STANDARD DETAILS & DESIGN GUIDELINES, AND SPECIFICATIONS.
3. LEAD SERVICE REPLACEMENT: IF THIS PROJECT INCLUDES THE REPLACEMENT OF A WATER MAIN THAT HAS EXISTING LEAD WATER SERVICE LATERALS, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE DC WATER CONSTRUCTION INSPECTION SECTION AT 202-787-4024 AT LEAST 90 DAYS PRIOR TO CONSTRUCTION TO ALLOW ADEQUATE TIME TO INITIATE STANDARD LEAD SERVICE REPLACEMENT PROTOCOL. LATERAL REPLACEMENT INCLUDES THE FULL LENGTH OF PIPE IN PUBLIC SPACE.
4. OWNER RESPONSIBILITY: THE OWNER IS RESPONSIBLE FOR ALL WORK AND COSTS ASSOCIATED WITH EXCAVATION, INSTALLATION, AND RESTORATION OF PUBLIC SPACE TO PERFORM A WATER/SEWER CONNECTION/ABANDONMENT. ONCE THE CONTRACTOR HAS OBTAINED A PUBLIC SPACE PERMIT HE/SHE MUST THEN CONTACT DC WATER PRIOR TO PERFORMING THE EXCAVATION TO INSTALL/INSPECT THE UTILITY WORK. THE OWNER SHALL BE HELD RESPONSIBLE FOR ALL DAMAGES TO EXISTING STRUCTURES AND UTILITIES CAUSED BY CONSTRUCTION ACTIVITY.
5. DC WATER RESPONSIBILITY: DC WATER IS ONLY RESPONSIBLE FOR INSTALLATION OF SMALL WATER SERVICE TAPS (2" DIAMETER AND LESS) TO THE PUBLIC MAIN, SMALL WATER SERVICE TAP REMOVALS FROM THE PUBLIC MAIN, FURNISHING & INSTALLING THE METER IN PUBLIC SPACE, AND INSPECTION OF WORK PERFORMED ON THE PUBLIC SYSTEMS.
6. MISS UTILITY: CONTACT MISS UTILITY AT 800-257-7777 48 HOURS BEFORE ANY DIGGING.
7. PLAN SET: A SET OF SIGNED & SEALED AND DC WATER STAMPED PLANS SHALL BE KEPT AT ALL TIMES AT THE JOB SITE ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY.
8. ABANDONMENTS: THE OWNER MUST PHYSICALLY DISCONNECT EXISTING WATER, SEWER, AND STORM LATERALS THAT ARE TO BE ABANDONED AT THEIR CONNECTION TO THE PUBLIC MAIN.
9. UNMETERED WATER: THERE SHALL BE NO UNMETERED CONNECTIONS TO THE CITY'S WATER SYSTEM, INCLUDING CONNECTIONS BYPASSING METERS FOR TESTING ON-SITE PLUMBING OR FOR OBTAINING CONSTRUCTION WATER.
10. PRESSURE TESTING AGAINST VALVES: PRESSURE TESTING AGAINST VALVES WILL NOT BE ALLOWED.
11. WATER METER INSTALLATION: TO SCHEDULE THE INSTALLATION OF A DOMESTIC WATER METER CONTACT PERMIT OPERATIONS AT 202-646-8690. DC WATER WILL FURNISH AND INSTALL THE METER AFTER THE CONNECTION TO THE MAIN HAS BEEN MADE AND THE METER PIT/VAULT HAS BEEN INSTALLED.
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12. CROSS CONTAMINATION CONTROL: ASSE 1048 CERTIFIED BACKFLOW PREVENTION ASSEMBLIES ARE REQUIRED ON ALL FIRE SERVICES AND ARE TO BE LOCATED INSIDE THE BUILDING (UNLESS AN EXTERNAL LOCATION IS NECESSARY OR REQUIRED BY DC WATER) WHERE IT IS SUPPLIED, OWNED, OPERATED, AND MAINTAINED BY THE OWNER. DC WATER DOES NOT FURNISH NOR INSTALL FIRE DOUBLE CHECK DETECTOR FIRE PROTECTION BACKFLOW PREVENTION ASSEMBLIES.
13. UTILITY SERVICE DISRUPTIONS: PHASE ALL UTILITY WORK TO MAINTAIN UTILITY SERVICES TO THE SURROUNDING AREA DURING ALL PHASES OF CONSTRUCTION. LIMIT REQUIRED UTILITY SHUT-DOWNS IN NUMBER AND DURATION. COORDINATE THESE SHUT DOWNS WITH DC WATER CONSTRUCTION INSPECTION STAFF.
14. WATER VALVE OPERATION: THE CONTRACTOR IS REQUIRED TO COORDINATE WITH DC WATER FOR ALL NECESSARY WATER MAIN SHUT DOWNS WITH ADEQUATE ADVANCED NOTICE. ONLY DC WATER EMPLOYEES MAY SHUT DOWN A PUBLIC WATER MAIN. A CERTIFIED PLUMBER IS ONLY AUTHORIZED TO TURN OFF VALVES INSIDE METER PITS.
15. WATER GATE VALVE LOCATION: LOCATE GATE VALVES FOR DOMESTIC AND FIRE SERVICES AS CLOSE TO THE PUBLIC WATER MAIN TEE AS POSSIBLE. HOWEVER, IF NECESSARY ADJUSTMENTS ARE REQUIRED DUE TO CONFLICTS, COORDINATE WITH A DC WATER INSPECTOR.
16. MATERIAL: THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP CUTS TO THE APPROPRIATE DC WATER OFFICE FOR APPROVAL OR OBTAINING A DC WATER APPROVAL STAMP FOR ALL WORK IN PUBLIC SPACE IN ADVANCE OF INSTALLATION. ONLY APPROVED MATERIALS MAY BE USED.
17. TEMPORARY CONDITIONS MINIMUM COVER: A NOMINAL FOUR FEET OF COVER IS REQUIRED FOR ALL WATER MAINS AT FINAL GRADE. COVER OF LESS THAN FOUR FEET REQUIRES DC WATER APPROVAL.

18. AS-BUILT: DEVELOPERS, CONTRACTORS AND/OR PLUMBERS MUST SUBMIT FINAL CONSTRUCTION AS-BUILT INFORMATION TO THE APPROPRIATE DC WATER INSPECTOR(S) FOR REVIEW AND APPROVAL, UPON COMPLETION OF INSTALLATION OF NEW SERVICES OR ABANDONMENT OF EXISTING SERVICES. WHEN THE FINAL AS-BUILT IS APPROVED ALL DEPOSITS WILL BE RETURNED TO THE APPLICANT. SEE DC WATER AS-BUILT REQUIREMENTS FOR ADDITIONAL INFORMATION.
19. CONFLICTS: THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED UTILITIES. A MINIMUM OF ONE FOOT VERTICAL AND FIVE FEET HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM ANY UTILITIES AND PUBLIC WATER AND SEWER MAINS.
20. FIRE HYDRANT USE: THE USE OF A FIRE HYDRANT AS A WATER SOURCE IS PROHIBITED UNLESS A PERMIT HAS BEEN OBTAINED FROM DC WATER FOR USE OF A SPECIFIC HYDRANT(S). DAILY OR EXTENDED USE PERMITS CAN BE OBTAINED FROM THE DC WATER PERMIT OPERATIONS DEPARTMENT 202-646-8690.
21. FIRE HYDRANT STATUS: THE CONTRACTOR SHALL NOTIFY FEMS AT 202-277-1889, PRIOR TO TAKING ANY FIRE HYDRANT OUT OF SERVICE OR RENDERING ANY HYDRANT INACCESSIBLE FOR ANY REASON. FEMS IS ALSO TO BE PROVIDED WITH THE LOCATION OF ANY NEW INSTALLATION OF PRIVATE FIRE HYDRANTS.
22. DC WATER SAFETY OFFICE: THE DC WATER SAFETY OFFICE CAN BE CONTACTED AT 202-787-4350.
23. SEWER BACKFLOW PREVENTION: THE PLUMBING SYSTEM MUST BE IN COMPLIANCE WITH SECTION 715 OF THE 2006 INTERNATIONAL PLUMBING CODE WHICH STATES A BACKFLOW IS VALVE IS REQUIRED FOR ALL PLUMBING FIXTURES BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER.

UTILITY CONTACTS:

SEWER/WATER:	D.C. WATER 5000 OVERLOOK AVE. SW 5TH FLOOR WASHINGTON, DC 20032	-DEXTER HOLMES (202) 787-4024
ELECTRICITY:	PEPCO 701 9TH STREET NW, ROOM 6005 WASHINGTON, DC 20008	-SARA BISHOP (202) 872-2977
GAS:	WASHINGTON GAS CO. 6801 INDUSTRIAL ROAD SPRINGFIELD, VA 22151	-YANN JONES (703) 750-5983
COMMUNICATIONS:	VERIZON COMMUNICATIONS FDC-1 3101 COLUMBIA PIKE CONDUIT GROUP - LOWER LEVEL SILVER SPRING, MD 20904	-MARY POLK (301) 282-2463

ABBREVIATIONS:

APPROX.	APPROXIMATE	GRD	GRADE
ASPH.	ASPHALT	GRNT	GRANITE
BLDG.	BLUETON CONCRETE	IP	IRON PIPE
BFLD.	BUILDING	IN	INVERT
BFP	BACK-FLOW	LP	LIGHT POLE
PREVENTION	MAT	MATCH	MATCH
BOT.	BOTTOM OF CURB	MANH.	MANHOLE (STRUCTURE)
BRK	BRICK	MST	MEASURED
CONC.	CONCRETE CURB	O/H	OVERHEAD
CG	CURB & GUTTER	O/E	OVERHEAD LINE ELECTRIC
CI	CURB RAIL	PCC	PORTLAND CEMENT
CONTRACT	CONTRACT JOINT	CONC.	CONCRETE
CL	CENTER LINE	PM	PARKING METER
CLF	CHAIN LINK FENCE	POB	POINT OF BEGINNING
CO	CLEAN OUT	PROP	PROPOSED
CONC.	CONCRETE	RAD	RADIUS
CONC.	CONCRETE	REC	RECORD
CY	CUBIC YARD	SAN	SANITARY
DI	DRAIN INLET	SEW	SEWER
DIP	DUCTILE IRON PIPE	SF	STORM FILTER
DOM	DOMESTIC	STD	STANDARD
DRAWING	DRAWING	STM	STORM
E	ELECTRICAL	STY	STORY (FLOOR)
EC	END OF CURB	S/W	SIDEWALK
ELEV	ELEVATION	TEL	TELEPHONE
ELEV	ELEVATION	TOC	TOP OF CURB
EJ	EXPANSION JOINT	TYP	TYPICAL
ENTRANCE	ENTRANCE	USE	UNDERGROUND
EX	EXISTING	W	ELECTRIC
FI	FIRE HYDRANT	WL	WATER
FR	FROM	WM	WATER MAIN
FS	FILTRATION SYSTEM	WV	WATER VALVE
FT	FEET/FOOT		
G	GAS		

DDOT EXCAVATION NOTES:

NO WORK SHALL BE UNDERTAKEN IF THE APPLICANT, OR THE PERSON ON WHOSE BEHALF THE APPLICANT IS MADE, HAS A TEMPORARY REPAIR IN PUBLIC SPACE OLDER THAN 45 DAYS, OR TEMPORARY REPAIRS THAT HAVE FAILED AND THOSE REPAIRS HAVE NOT BEEN UNDERTAKEN WITHIN 24 HOURS.

PERSONS REGULARLY PERFORMING PUBLIC SPACE EXCAVATION AND MANHOLE WORK REQUESTED TO PROVIDE, ON A BIWEEKLY BASIS, PLANS SHOWING THEIR ANTICIPATED ACTIVITIES IN THE PUBLIC SPACE WITHIN THE TWO WEEK PERIOD. SINCE THESE PLANS ASSIST THE DEPARTMENT IN COORDINATING ACTIVITIES IN THE PUBLIC SPACE, THE FAILURE TO PROVIDE SUCH PLANS MAY RESULT IN DELAYS IN THE PERMIT REVIEW PROCESS.

1. NOTIFY THE DEPARTMENT OF TRANSPORTATION, OFFICE OF INFRASTRUCTURE OVERSIGHT AT 202-645-7050, 48 HOURS IN ADVANCE OF STARTING WORK.
2. ALL FAILED CUTS MUST BE REPAIRED WITHIN 24 HOURS OF NOTIFICATIONS.
3. D.C. LAW 3129, UNDERGROUND FACILITIES PROTECTION ACT OF 1980, REQUIRES THAT "MISS UTILITY" (1-800-257-7777) BE CONTACTED AT LEAST 48 HOURS AND NOT MORE THAN 10 DAYS (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS) PRIOR TO START OF EXCAVATION. SO NOTIFICATION CAN BE MADE TO PARTICIPATING PRIVATE UTILITY COMPANIES OF THE PROPOSED WORK.
4. 48 HOURS PRIOR TO EXCAVATING, PLEASE CALL THE WATER OPERATIONS BRANCH AT 202-673-6600 FOR LOCATIONS OF SEWER AND WATER MAIN LINES.
5. IMPROPER HOUSEKEEPING VIOLATIONS ON JOB SITE RELATING TO DIRT AND DEBRIS IN THE PUBLIC SPACE, CATCH BASINS, SEWERS, ETC. SHALL BE GROUNDS FOR A FINE AND/OR REVOCATION OF THE PERMIT.
6. WORK AUTHORIZED BY A PERMIT SHALL BE IN ACCORDANCE WITH THE SAFETY REQUIREMENTS FOR EXCAVATIONS AS OUTLINED IN THE D.C. INDUSTRIAL SAFETY BOARD MANUAL "SAFETY STANDARDS, RULES AND REGULATIONS CONSTRUCTION".
7. WORK AUTHORIZED BY A PERMIT SHALL BE IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
8. MAINTAIN ACCESS TO ALL ALLEY AND DRIVEWAYS AT ALL TIMES.
9. PLATE ALL INTERSECTION, WHERE APPLICABLE.
10. MAINTAIN A 6 TO 10 FOOT SIDEWALK AT ALL TIMES FOR PEDESTRIANS.
11. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND SALVAGING ALL CURBSTONE PAVERS AND OTHER SPECIAL PAVERS REMOVED IN CONNECTION WITH EXCAVATION. THE PAVERS ARE TO BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORKS MAINTENANCE YARD AT 201 FLORIDA AVENUE, N.E. TELEPHONE NUMBER IS 202-727-5809.
12. CAUTION STREET LIGHT CABLE BEHIND CURB.
13. CONTRACTOR TO LOCATE ALL WATER AND SEWER LINES PRIOR TO START OF WORK.



1-800-257-7777

NOTIFY "MISS UTILITY" AT 1-800-257-7777
48 HOURS IN ADVANCE BEFORE
COMMENCING THE WORK



100% DRAFT CONSTRUCTION
DOCUMENTS

GRAPHIC SCALE	DESIGNED: BAED	SUB SHEET NO. CV0001A	TITLE OF SHEET NOTES LEGEND ABBREVIATIONS STABILIZE SOUTH PRISM WALL	DRAWING NO. 412 167062 FMS/PKG NO. 310405 SHEET 15 of 27
	TECH. REVIEW:			
	DATE: 06/12/2020			