



Structural Properties		
Vield Stress	Ultimate Street	
101651 (827 MP4)	YELKSI YELMARW	
Elvergation in 20 har stameters	Reduction of Area	
15	200 000	

Unique Thread Form

Nomine Bar	Mornan	Minimum	Pressessing Force		Nominal	Approx	Part	
A Place		Strength	5.80f pu A	0.70f pic A	E80fpu A	Weight	Thread Major Dia	Numbe
TA IN	(Salt) en (Salt)	(567 kN)	1957 Alcon (454 kN)	397 kN)	(340 kN)	14.0 AgAs	1-50	271.00
1-54P - 4 (\$2 mm)	1.25 in <sup>2</sup> (lid? mm <sup>2</sup> )	188 kips (834 kN)	150 kips (867 kN)	131 kips (584 kN)	113 kips (500 kN)	451 lbs. /c dl. P1 HpfsD	dieni	907F-0
Car. A	7.68 in <sup>2</sup> 7.1819 mm <sup>2</sup> )	237 kips (1054 kN)	190 kips (843 kN)	166 kips (738 kN)	142 kips (633 kN)	6.71 tbs/R; ck.60 KgRt)	1.5kt@: 140.emp	900.0
134.342	2 50 in <sup>2</sup> (1884 mm <sup>2</sup> )	390 kips (1734 kN)	312 kips (1388 kN)	273 kips (1214 kN)	234 kips (1041 kN)	VISSING W	dime.	doce
100°100	4/08 in <sup>2</sup> (2002 mm <sup>2</sup> )	613 kips (2727 kN)	490 kips (2181 kN)	429 kips (1909 kN)	368 kips (1636 kN)	74 f. (bu.4) (00 t) (q/6)	3-12" 104 end	971.6
316.3	#E.19 in <sup>2</sup> #KM0 mm <sup>2</sup> )	778 kips (3457 kN)	622 kips (2766 kN)	545 kips (2422 kN)	467 kips (2074 kN)	162 mile (27.1 Kgt/l)	(7-levil) (7-levil)	gette
(500)	8.85 in <sup>2</sup>	1027 kips (4568 kN)	822 kips (3656 kN)	719 kips (3198 kN)	616 kips (2740 kN)	281 to 19 125 6 40 for	Self-	design

## Multiple Corrosion Protection I - Class 2 Protection (per PT) Two barriers around plain bar in free-stress zone plus drill hole grout.

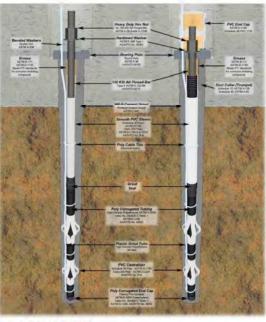
- Plajn or epony costed har
   Simooth PVC sleave over bar in free-ellerating zone
   Creaseway of lot grout filled periodit PVC sleave over bar in the free-stress zone
   Units as sevineed in diff likel grout with centralizers.
   Typically reade with 126 KEM Art Prisad-Star or Scotale TA Ail-Thread Retail

Dames	Main, Drill Heise Dia.	Common Drill Hole Dia Range
5-	315°	3-12-05 (Blb-12/nm)
149	1.12* (El. mm)	3-127 to 5" (18-to 127 mm)
St. resp	-	4" to 6" (102 to 182 mm)
(1.54° (45°cm)	450	4-127 to 7 (114 to 173 mm)
3.14	W.	57 to 6" (127 to 203 mm)
3.10 310	(11) mm)	5" to 8" (127 to 200 mon)
iTh year.	(1/7 cm)	57 to 67 (127 to 203 mm)





### MCP II & III





# ROCK BOLT- BASIS OF DESIGN

NOTES:

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:	SUB SHEET NO
	DB	
	GMTT	
	CEN	<b>\</b>
	TECH. REVIEW:	I OT.U
	DATE:	-
	06/12/2020	

TITLE OF SHEET PRODUCTS -BASIS OF DESIGN

STABILIZE SOUTH PRISM WALL

DRAWING NO. 412 167062 PMIS/PKG NO. 310405 SHEET 8 of 27

# HYDROVAC APPLICATIONS - WHAT IS HYDROVAC EXCAVATION?

### **HYDROVAC APPLICATIONS - DEBRIS REMOVAL**





### 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 siurry type mixture. Simultaneously, this mixture is extracted material can be extracted from over 600° away, 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 Badger Hydrovac vacuum truck pressurized the ability to provide extraction service up to 500° deep.

The Badger Hydrovac vacuum truck pressurized to the ability to provide extractions service up to 500° deep.

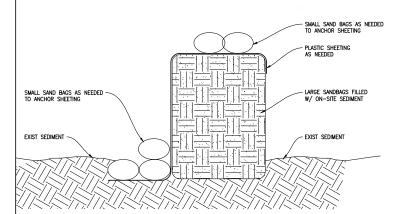
### The Badger Hydrovac System excels at Debris Removal.

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 trucks 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.







1 COFFERDAM - BASIS OF DESIGN

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

NOTE

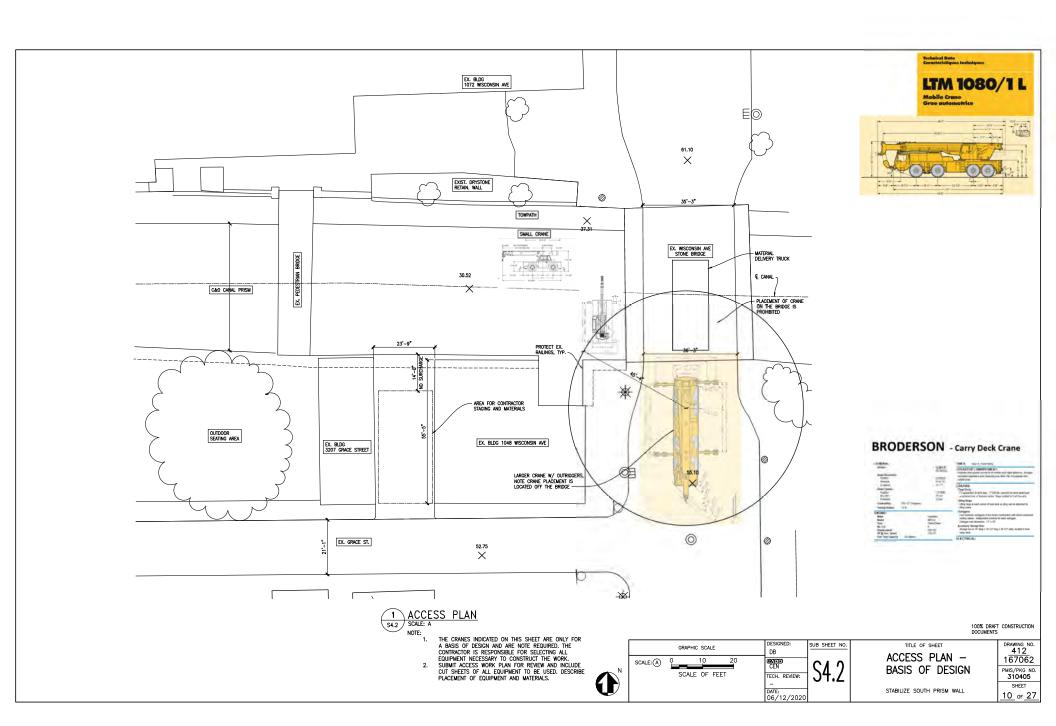
THE EXCAVATION EQUIPMENT INDICATED IS ONLY FOR A BASIS OF DESIGN AND IS NOT REQUIRED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR SELECTING AND USING ALL EQUIPMENT NECESSARY FOR CONSTRUCTING THE WORK.

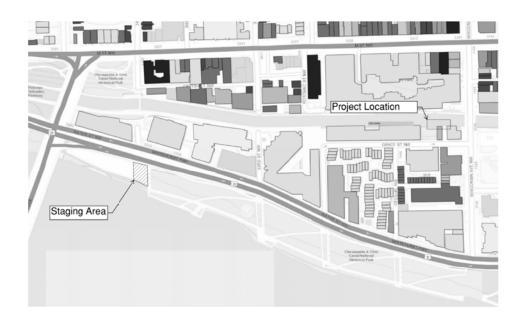
100% DRAFT CONSTRUCTION DOCUMENTS

PRODUCTS —
BASIS OF DESIGN

STABILIZE SOUTH PRISM WALL

DRAWING NO. 412 167062 PMIS/PKG NO. 310405 SHEET 9 OF 27





# 1 STAGING AREA PLAN SCALE: N/A

NOTES: 1.

STAGING AREA INDICATED IS AVAILABLE FOR CONTRACTOR USE SUBJECT TO THE SIZE LIMITATIONS PROVIDED BY THE GOVERNMENT. IF USED, THE FENCE ON THE EAST SIDE OF THE STORAGE AREA SHALL BE PROTECTED BY A TEMPORARY ERACE OR OTHER MEANS AND AT THE COMPLETION OF THE WORK, THE AREA SHALL BE RETURNED TO ITS CONDITION AT THE STAGING OF THE PROJECT, CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO THE STAGING AREA OR ADJACENT PROPERTY. THE STAGING AREA OR ADJACENT PROPERTY. THE STAGING AREA OR SHALL WORK COOPERATINELY WITH ONCOING USE OF THE AREA BY THE MATIONAL PARK SERVICE.

100% DRAFT CONSTRUCTION DOCUMENTS





PHOTO 1



2 PHOTO 2 S5.0



PHOTO 3



PHOTO 4

100% DRAFT CONSTRUCTION DOCUMENTS

GRAPHIC SCALE	DESIGNED: DB  CEN  TECH. REVIEW:	S5.0	EXISTING CONDITIONS — PHOTOS	DRAWING NO. 412 167062 PMIS/PKG NO. 310405
	- DATE: 06/12/2020		STABILIZE SOUTH PRISM WALL	SHEET 12 OF 27

### DESIGN NOTES

- CODES AND STANDARDS
  - WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT, AND THE INTERNATIONAL BUILDING CODE, 2018
- DESIGN AND LOADING CRITERIA
  - ALL CODES, REFERENCES AND STANDARDS REFERRED TO SHALL BE THE CURRENT VERSION UNLESS A DIFFERENT VERSION IS LISTED IN THE BUILDING CODE.
  - EARTH PRESSURE
    - DESIGN CRITERIA FOR BRACING AT REST PRESSURE 65 PCF
    - PASSIVE PRESSURE 270 PCF
    - ROCK COFF SLIDING 0.45 SOIL DENSITY 110 PCF
    - RÉFER TO THE PROJECT GEOTECHNICAL REPORT BY GEOCAPITAL DATED
- CONCRETE AND REINFORCING
- CONCRETE WORK SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", ACI 318. AS MODIFIED BY IBC CODE.
- CONCRETE DESIGN IS IN ACCORDANCE WITH "STRENGTH DESIGN METHOD." CONCRETE FOR FOUNDATIONS SHALL BE MINIMUM 4500 PSI WITH MAX W/C RATIO
- 0.45. ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE AT 7 DAYS (F'C) 3000 PSI., MIN. ULTIMATE STRENGTH AT 28 DAYS 4500 PSI, MIN.
- CONCRETE MATERIALS:
  - CEMENT: ASTM C-150 TYPE I OR III
- CEMENT SUBSTITUTES: ASTM C-595 TYPE '1P' (LIMIT TO 25% MAXIMUM CEMENTITIOUS CONTENT BY WEIGHT.)
- AGGREGATES: ASTM C-33 (NORMAL WEIGHT)
- AIR-FNTRAINING ADMIX: ASTM C-260
- PREFORMED JOINT FILLER: ASTM D-994 ASTM D-1190 JOINT SEALANT:
- CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED 6%, +/- 1%.
  CONCRETE SHALL BE THOROUGHLY COMPACTED DURING PLACEMENT AND WORKED
- Concrete shall be indrodent compacted during placement and worked around embedded items and into corners of forms. Contractor shall be responsible for all items embedded in concrete and shall ensure that all are accurately located and secure. Concrete slump shall = 4" plus or minus 1".
- REINFORCING BARS #3 THRU #11 SHALL BE DEFORMED AND IN ACCORDANCE WITH "SPECIFICATIONS FOR DEFORMED AND PLAIN BILLET STEEL BARS FOR CONCRETE REINFORCEMENT" ASTM A-615. GRADE 60 KSI.
  SUBMIT SHOP DRAWINGS FOR REINFORCEMENT TO THE CONTRACTING OFFICER FOR
- APPROVAL PREPARE DRAWINGS UNDER THE SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION DETAILING FABRICATING, BENDING, AND PLACING CONCRETE REINFORCEMENT. COMPLY WITH ACI 315 AND ACI DETENBULING MANUAL SP-66, SHOWING BAR SCHEDULES, STRRUP SPACING, BENT BAR DIAGRAMS, AND ARRANGEMENT OF CONCRETE REINFORCEMENT. INCLUDE SPECIAL REINFORCING REQUIRED FOR OPENINGS THROUGH CONCRETE
- BARS MARKED CONTINUOUS (CONT) SHALL BE LAPPED IN ACCORDANCE WITH REQUIREMENTS FOR SPLICES AS DEFINED IN ACI 318, MINIMUM 50 BAR DIAMETERS, UNLESS INDICATED OTHERWISE. COLUMN VERTICAL REINFORCING SHALL BE SPLICED
- BAR LENGTHS SHOWN ON PLAN DO NOT INCLUDE LENGTH OF HOOK WHERE A HOOK
- IS INDICATED. PROVIDE STANDARD HOOK UNLESS DETAILED OTHERWISE.
  MINIMUM CONCRETE COVER BETWEEN FACE OF REINFORCING BAR AND FACE OF CONCRETE SHALL BE AS FOLLOWS:
  - CONCRETE CAST AGAINST EARTH = 3" FORMED CONCRETE EXPOSED TO WEATHER OR EARTH = 2"

### IV. STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND THE "MANUAL OF STEEL CONSTRUCTION" FOURTEENTH EDITION.
- STRUCTURAL STEEL:
  - STRUCTURAL "W" & "T" SHAPES: ASTM A-992 FY = 50,000 PSI BALANCE OF STRUCTURAL STEEL SHAPES & PLATES: ASTM A-36 FY = 36,000 PSI
  - STRUCTURAL PIPE: ASTM A-53B FY = 35,000 PSI
  - HOLLOW STRUCTURAL SECTIONS SQUARE & RECTANGULAR
    ASTM A-500B FY = 46,000 PSI
  - ASTM A-325 CONN TYPE- N ASTM F-1554 GR36 OR GR 55 WITH WELDABILITY SUPPLEMENT S1. HIGH STRENGTH BOLTS:

  - SMOOTH THREADED ROD-ASTM A-36 ASTM A-108, GRADES 1015 THRU 1020. HEADED STUD TYPE.
- GALVANIZING (HOT-DIP):
- STAINLESS STEEL BARS AND SHAPE:
- STAINLESS STEEL BOLTS:
- STAINLESS STEEL NUTS:
- CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH "BEAM CONNECTIONS" AS DESCRIBED IN THE AISC MANUAL CONNECTIONS SHALL BE MADE USING HIGH STRENGTH BOLTS IN ACCORDANCE WITH ASTM A-325. SHOP CONNECTIONS MAY BE WELDED IN LIEU OF BOLTING. WHERE REACTION NOT GIVEN ON PLANS AND

ASTM A-123

ASTM F-593

ASTM A-276 TYPE 304

ASTM F-594 ALLOY GROUP (A1)

- SECTIONS CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM OF 60% FOR FILLER BEAMS AND 70 % FOR GIRDERS OF MAXIMUM BEAM CARRYING CAPACITY UNDER UNIFORM LOAD FOR SPAN SHOWN. SEE PLANS AND SECTIONS FOR OTHER THAN STANDARD CONNECTIONS. MINIMUM NUMBER OF BOLTS IN EACH OF BEAM WEB CONNECTION AND TO SUPPORTING MEMBER SHALL BE AS FOLLOWS:

  - (SECTIONS; MC, C, S, M & WF)

    D = 4" 6": 2 BOLTS HORIZONTAL

    D = 8" 10": 2 BOLTS VERTICAL

- D = 12" 15": 3 BOLTS VERTICAL D = 16" 21": 4 BOLTS VERTICAL
- BOLT SPACING SHALL BE 3" O/C. ALTERNATE CONNECTIONS TO THOSE SHOWN ON PLANS AND DETAILS WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE CONTRACTING OFFICER. IF SUCH APPROVAL IS GRANTED, CONNECTIONS, ETC. NOT IN ACCORDANCE WITH CONTRACT
- DOCUMENTS (FABRICATOR'S REDESIGN) SHALL BE SUBMITTED WITH SHOP DRAWINGS UNDER THE SEAL OF LICENSURE OF THE FABRICATOR'S ENGINEER FOR THE LOCAL UNLESS OTHERWISE NOTED, A-325 BOLTS SHALL BE TIGHTENED TO THE "SNUG
- TIGHT" CONDITION DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. THE SNUG-TIGHT CONDITION MUST ENSURE THAT THE PLIES OF THE CONNECTED MATERIAL HAVE BEEN BROUGHT INTO FIRM CONTACT.
- WELDING SHALL CONFORM TO REQUIREMENTS OF THE "STRUCTURAL WELDING CODE"
- WREDING SHALL CONFORM TO REQUIREMENTS OF THE STRUCTURE RELIGIOR
  ANS D1.1-08. USE 70 KSI LOW-HYDROGEN ELECTRODES.
  GROUT UNDER BEAM BEARING PLATES AND COLUMN BASE PLATES SHALL BE
  NON-SHRINK, NON-METALLIC AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH F'C = 7000 PSI
- REFER TO SPECIFICATION FOR PAINTING OR OTHER FINISH REQUIREMENTS.
- NO FABRICATION SHALL PROCEED PRIOR TO SHOP DRAWINGS APPROVAL.
  NO OPENINGS IN BEAMS OR COLUMNS ARE PERMITTED WITHOUT THE APPROVAL OF
- THE CONTRACTING OFFICER. PILICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT VII.

  DOCUMENTS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE CONTRACTING
- OFFICER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE. DEVELOPMENT OF STRUCTURAL STEEL SHOP DRAWINGS SHALL BE SUPERVISED BY A
  REGISTERED PROFESSIONAL ENGINEER REGISTERED IN PROJECT JURISDICTION AND REGISTERED PROFESSIONAL ENGINEER REGISTERED IN PROCESSIONAL CONTINUAL SHALL INCLUDE DETAILS FOR APPLICATION AND ASSEMBLY OF ALL STRUCTURAL MEMBERS. INCLUDE DETAILS OF CUTS, CONNECTIONS, HOLES, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS 2.1 SYMBOLS SHOWING SIZE,
- LENGTH AND TYPE OF EACH WELD. SHOP DRAWINGS SHALL BE SUBMITTED.
  ALL MISCELLANEOUS STEEL CONNECTIONS SHALL BE WELDED ALL AROUND WITH ONE-QUARTER-INCH FILLET WELD UNLESS OTHERWISE NOTED, EXCEPT FOR SLOTTED
- FULL PENETRATION WELDS SHALL BE MADE AGAINST A 1/8"x1" BACKER PLATE TACK WELDED IN PLACE BELOW THE WELD. PENETRATION WELDS SHALL BE EQUIVALENT IN DEPTH AND LENGTH TO THE PARTS JOINED.
- DO NOT RELEASE BEAMS OR DIAGONAL BRACING FROM HOISTING CABLES UNTIL ALL MEMBERS ARE SECURE WITH AT LEAST (2) BOLTS. ALL FIELD WELDED CONNECTIONS SHALL BE COMPLETED BEFORE RELEASING CABLES.

### POST- INSTALLED ANCHORS v

- EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS PROVIDED BY HILTI, INC. OR AN APPROVED EQUIVALENT MANUFACTURER.
  - ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE AND A) STONE USE:
    - HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM PER ICC ESR-2322 FOR SLOW CURE APPLICATIONS, DEWALT/POWER PURE 110+ EPOXY ADHESIVE ANCHORING SYSTEM PER ICC SR-3298 FOR SLOW CURE APPLICATIONS, (OR EQUAL).

  - REBAR DOWELING INTO CONCRETE OR STONE:
     A) ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE: HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-2322.
  - DEWALT/POWERS PURE 110+ EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC. ESR-3298, (OR EQUAL).

    SUBSTITUTION REQUESTS FOR ALTERNATE POST INSTALLED ANCHOR PRODUCTS MUST
- SUBSTITUTION NEQUESTS FOR ALLEMANE POST INSTALLED ANCHOR PRODUCTS MUST BE APPROVED IN WRITINE, PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTION PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALULATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISIMC USES, LOAD RESISTANCE, INSTALLATION CAREGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
- INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS. AS INCLUDED IN THE
- ANCHOR PACKAGING.

  OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFI SYSTEM D.
- ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. SUBMIT WRITTEN CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS, ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND
- PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN
  ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS
  CONCRETE AT TIME OF ANCHOR INSTALLATION SHALL HAVE A MINIMUM AGE OF 21
- DAYS AND A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

  CONCRETE SHALL BE AT LEAST 50 DEGREES AT THE TIME OF ANCHOR INSTALLATION.
- ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED, UNCRACKED AND SEISMIC CONCRETE RECOGNITION.
- ADHESIVE ANCHORS INSTALLED IN HORIZONTAL TO VERTICAL OVERHEAD ORIENTATIONS TO SUPPORT SUSTAINED TENSION LOADS SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI (ACI 318-11 D.9.2.2). PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED PRIOR TO COMMENCEMENT OF INSTALLATION
- PROVIDE SPECIAL INSPECTION FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER THE APPLICABLE BUILDING CODE AND PER THE CURRENT ICC-ES REPORT (IBC 2012 TABLE 1705.3 NOTE B).

### GENERAL

- INFORMATION SHOWN REGARDING EXISTING CONDITIONS HAS BEEN OBTAINED BY LIMITED VISUAL OBSERVATIONS, AREAS NOT VISIBLE HAVE BEEN ASSUMED TYPICAL
- LIMITED VISUAL DISERVATIONS, AREAS MUT VISIBLE PAVE BEEN ASSUMED THROAD.
  WITH DISERVED EXISTING CONDITIONS.
  MEASURE AND PROVIDE ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB
  SITE PRIOR TO CONSTRUCTION AND THE SUBMISSION OF SHOP DRAWINGS, AND SITE PRIOR TO CONSTRUCTION AND THE SUBMISSION OF SHUP DRAWMINS, AND NOTIFY THE CONTRACTING OFFICER IMMEDIATELY OF ANY DISCREPANCIES. VERIFICATION AND NOTIFICATION SHALL PROCEED 2 WEEKS PRIOR TO THE START OF WORK SO THAT ANY NECESSARY CHANGES CAN BE MADE WITHOUT DELAYING THE
- PROJECT SCHEDULE.

  DETAILS, SECTIONS, AND NOTES SHOWN ON THESE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE UNLESS OTHERWISE SHOWN OR NOTED.
- SHOWN OR NOTED.

  SUBMIT SHOP DRAWINGS BEARING THE CONTRACTOR'S STAMP, DATE AND SIGNATURE VERIFYING DOCUMENTS HAVE BEEN REVIEWED AND CORRECTED FOR CONFORMANCE TO AND COORDINATION WITH CONTRACT DOCUMENTS.
- FABRICATION SHALL PROCEED ONLY AFTER SHOP DRAWING APPROVAL.

  DO NOT REPRODUCE ANY PORTION OF CONTRACT DOCUMENTS IN THE SHOP
- INSPECTION REPORTS AND MATERIALS TESTING REPORTS SHALL BE SUBMITTED IN A TIMELY MANNER SUCH THAT CONSTRUCTION DELAY WILL BE AVOIDED.
- AND METHODS OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE

- SHORING AND BRACING
  A. ENGAGE A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN LOCAL JURISDICTION TO PERFORM AN ENGINEERING SURVEY OF THE WALL AND BUILDING TO DETERMINE WHETHER CONSTRUCTION COULD RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE OR ADJACENT STRUCTURES DURING CONSTRUCTION.

  1. SUBMIT SURVEY A MINIMUM OF TWO WEEKS BEFORE SCHEDULED START OF
- WORK OR EARLIER IF NECESSARY TO AVOID DELAYS.
  ENGINEER SHALL PREFORM SURVEYS AS THE WORK PROGRESSES TO DETECT
  HAZARDS RESULTING FROM STRUCTURAL DEMOLITION ACTIVITIES.
- AS A MINIMUM, SHORE AND BRACE THE EXISTING STRUCTURE TO THE EXTENT INDICATED IN THE CONSTRUCTION DOCUMENTS. INSTALL ADDITIONAL SHORING AND BRACING AS DETERMINED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER.
  CONTRACTOR'S PROFESSIONAL ENGINEER SHALL BE SOLELY AND COMPLETELY
- RESPONSIBLE FOR THE DESIGN OF ALL REQUIRED SHORING AND BRACING, TO ENSURE STABILITY OF EXISTING AND NEW STRUCTURE AND COMPLIANCE WITH DESIGN
- SUBMIT SHORING DESIGN DRAWINGS SELAED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT JURISDICTION. INDICATE ALL POINTS OF SUPPORT TO EXISTING STRUCTURE, AND ANY LOADS APPLIED TO EXSTING STRUCTURE TO REMAIN.

### VIII. TESTING AND INSPECTION

- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A TESTING AND INSPECTION AGENCY TO PERFORM THE SERVICES SPECIFIED.

  A. MINIMUM SERVICES PROVIDED SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF
- THE STATEMENT OF SPECIFICATION 01400 AND STRUCTURAL TESTS AND SPECIAL INSPECTIONS (SSTSI)
- FAILURE TO RETAIN A TESTING AGENCY TO PROVIDE REQUIRED SERVICES OR A FAILURE TO REMAIN A TESTING AGENCY TO PROVIDE REQUIRED SERVICES OF A FAILURE TO SUBMIT SIGNED AND SEALED REPORTS SHALL BE CONSIDERED NON-COMPLIANCE WITH CONTRACT DOCUMENTS.

  CONSTRUCTION CONSIDERED NON-COMPLIANT SHALL BE REMOVED AND REPLACED.
- ALL TESTING AND INSPECTION SHALL BE UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE LOCAL JURISDICTION.
  PRELIMINARY HAND WRITEN SITE VISIT REPORTS CONFIRMING VERBAL DISCUSSIONS SHALL BE PROVIDED TO THE CONTRACTOR ON RESULTS OF INSPECTIONS PRIOR TO
- FINAL REPORTS SHALL BE SUBMITTED IN A TIMELY MANNER, BUT NO LATER THAN TEN (10) DAYS FOLLOWING INSPECTION OR TESTING. UNDER THE NAME AND SIGNATURE OF THE INSPECTOR AND LICENSURE SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR TESTING AND INSPECTION. INSPECTION SHALL MINIMALLY INCLUDE THE FOLLOWING:
- FOUNDATIONS & FARTHWORK: FOOTINGS AND DEEP FOUNDATIONS. FILLS, SLAB
- SUB-GRADE, PERIMETER AND UNDERFLOOR DRAINAGE SYSTEMS.
  REINFORCING: LOCATION, ASTM DESIGNATION, BAR SIZES, QUANTITY, PLACEMENT SPACING AND CLEARANCES
- CONCRETE: ALL STRUCTURAL CONCRETE: LOCATION, STRENGTH, TYPE (NORMAL OR LIGHTWEIGHT), SLUMP, PLACEMENT, AIR TEMPERATURE, CURING AND WEATHER ACCOMMODATIONS AND CONCRETE ADDITIVES.
- STRUCTURAL STEEL: LOCATION, ASTM DESIGNATION, MEMBER SIZES, TYPE (PLAIN, PAINTED, GALVANIZED, STAINLESS), PLACEMENT AND CONNECTIONS INCLUDING WELDS AND BOLTS, POST INSTALLED ANCHORS, ANCHOR BOLTS
- AND GROUTING.
  H. MATERIAL TESTING SHALL MINIMALLY INCLUDE THE FOLLOWING:
- FOUNDATION & EARTHWORK: SOIL BEARING CAPACITIES AND COMPACTION
- REINFORCING: YIELD AND ULTIMATE STRENGTHS. (MILL REPORTS ARE ACCEPTABLE )
- ACCEPTIBILE.)
  CONCRETE: SLUMP TESTS; EVERY THIRD TRUCKLOAD OF CONCRETE AND IN ADDITION, ONE FOR EACH SET OF STRENGTH-TEST CYLINDERS AT PREPARATION. STRENGTH ISSTS; ONE SET OF CYLINDERS FOR MAXIMUM OF EACH 50. CY OF CONCRETE PLACEMENT. ONE SET OF CYLINDERS FOR EACH 2500 SQUARE SLAB AREA.
- STRUCTURAL STEEL: YIELD AND ULTIMATE STRENGTHS. (MILL REPORTS ARE ACCEPTABLE.)

- I. COMPLY WITH CODE REQUIREMENTS AND THE FOLLOWING:
  - CONCRETE CYLINDERS: ONE SET OF 6 LABORATORY CURED 6X12 CYLINDERS
    SHALL BE TAKEN FOR EACH DAY'S POUR FOR EACH MIX: (2) 7-DAY, (2) 28-DAY, (2) HOLD; ONE SET OF 4 FIELD CURED 6X12 CYLINDERS SHALL BE TAKEN FOR EACH
- DAY'S POUR FOR EACH MIX (2) 7 -DAY, (2) 28-DAY.
  FIELD CURED CYLINDERS SHALL BE CURED IN ACCORDANCE WITH CODE REQUIREMENTS OR IF NOT APPLICABLE THEN CURED IN SAME CONDITIONS AS
- SUBMIT ALL TEST AND INSPECTION REPORTS PRIOR TO FINAL PUNCH LIST.

### PERMANENT ROCK ANCHORS

- MOMENT INCO. ANUTURES AS PREPARED BY GEOCAPITAL AND DATED APRIL 14,2020
  ALL PERMANENT ROCK ANCHORS SHALL HAVE A MINIMUM DESION CAPACITY AS
  INDICATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL
  INDIVIDUAL ROCK ANCHORS INSTALLED SHALL HAVE A MINIMUM DESION CAPACITY.
  IF ANY ROCK ANCHORS INSTALLED SHALL HAVE A MINIMUM DESION CAPACITY.
  IF ANY ROCK ANCHOR CANNOT BE SUCCESSFULLY TESTED TO THE REQUIRED.
- DESIGN LOAD, THE ADDITIONAL ROCK ANCHORS SHALL BE INSTALLED FOR THE DIFFERENCE BETWEEN THE DESIGN LOAD AND THE REDUCED CAPACITY OF INDIVIDUAL
- ROCK ANCHORS AT THE CONTRACTOR'S EXPENSE.
  ROCK-ANCHOR TESTING PROCEDURES: EVERY ROCK ANCHOR SHALL BE INDIVIDUALLY TESTED BY THE FOLLOWING PROCEDURE:
  - PERFORMANCE TEST: A MINIMUM OF THREE OF ALL THE ROCK ANCHORS SHALL BE TESTED BY A PERFORMANCE TEST. THE TESTING PROCEDURE SHALL BE AS FOLLOWS:
    - LOAD SHALL BE APPLIED BY MEANS OF A HYDRAULIC
    - CENTER HOLE JACK IN STEPS 25%, 50%, 75%, 100%, 120% AND 133% OF THE DESIGN LOAD.
- F. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS

100% DRAFT CONSTRUCTION



GRAPHIC SCALE	DESIGNED: DB	SUB SHEET NO.	TITLE OF
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F SHEET DRAWING NO 412 167062 N NOTES 310405

ITH PRISM WALL

SHEET 13 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.
- 4. 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, SANTIARY SENER, ELECTRICAL, RESPHORE AND GAS WERE TAKEN FROM AVAILABLE RECORDS AND FEB DAYS WERE TAKEN THE CONTINUOUS OF ALL RECORDS AND FEB DAYS HE RECORD FROM THE PROPERTY OF A PROPERTY AND DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES PROPER TO COMMENDEN WORK, REPORT ANY DISCREPANCY TO THE ENGREEN, MARKING LOCATIONS OF EXISTING UTILITIES, CONTACT TAKES UTILITY AT 1-689-129-1777, 46-HOURS PROOF TO MAY EXCHANTION.
- 1-00-20/-///, 40-HUMS PRIOR TO MY EXCAVATION.

  6. THE CONTROLOR MIST HAPON DISTS THIS AT ALL UTILITY CROSSINGS TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITES AS WELL IN DELACITION MORE AND PRIOR TO ORDERING PER MATERIALS AND STRUCTURE. UTILITIES FOUND DURING DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF ANY COMPATIONE BONGOOD IN CONVINTION AT THIS SITE. THE DEMOLITY OF ANY CONTROL BONGOOD IN CONVINTION AT THIS SITE. THE DEMOLITY OF ANY CONTROL BONGOOD ANY UTILITY FINDINGS WHICH DEMOLITY OF ANY UTILITY FINDINGS WHICH ALL PROPERTY OF THE CONTROL SHOWN.
- 7. ALL STIDENT AND ERISSIN CONTROL METHOD SHALL BE RESTALLED BEFORE THE
  PROPERTY OF THE PROPER
- 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 REJOCATION OF SERVICE BE REQUIRED.
- 10. EXISTING UTILITIES (STRUCTURES AND LINES) NOT REQUIRED FOR FUTURE SERVICE TO BE REMOVED TO FACILITATE CONSTRUCTION. UTILITIES TO BE CAPPED AS PER UTILITY PURPEYOR'S STANDARDS AND SPECIFICATIONS. COORDINATE REQUIREMENTS WITH UTILITY PURPEYOR'S.
- 11. REMOVAL OF ALL WALLS/RETAINING WALLS AND FENCES SHALL INCLUDE THE REMOVAL OF THEIR FOUNDATION UNLESS OTHERWISE INDICATED ON THESE DRAWNIGS.
- 12. 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 262-275-2
- DECEMBER 2016 STATES STATES SUPERIOR SUPERIOR STATES SUPERIOR SU
- 14. CONTRACTOR TO BE RESPONSIBLE FOR LAYOUT, EXTENT AND DESIGN OF SHEETING, SHORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES, SHORING, BRANCON AND INDEPENDENCE SHALL BE DESIGNED BY A STRUCTURAL ENGER, LICENSED BY THE CONTRACTOR AS RECESSARY TO DENINE SUPPORT OF SURROUNDING STRUCTURES AND UTILITIES.
- 15. 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 202-871-2210.
- 16. NOTIFY DC WATER UTILITY INSPECTOR, CHIEF UTILITY INSPECTION (282) 787-4924
  OF DISTRICT OF COLUMBIA WATER & SEWER AUTHORITY 48 HOURS PRIOR TO START
  OF CONSTRUCTION.
- OF CONSIDELION.

  TO UNESS OFFENSES SHOWN ON THESE DRAWNICS, EXISTING PAVEMENT ON STREET, OR AVENUE WAVE TO REMAIN, PROVIDE PRE-CONSTRUCTION VECO OF EXISTING PAVEMENT, DISTRIED OR DAMAGED OR UNAMAGED OR DISTRIED OR STANGED OR DISTRICT OR CONSTRUCTION, SMALL BE REPLACED FOR DISTRICT OF CUILBRIA DEPARTMENT OF TRANSPORTATION STREAMEDS AND SPECIFICATIONS AT NO ADMITTANCE.
- 18. 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.
- 19. CONTACT 'MISS UTILITY' AT 1-800-257-7777 48 HOURS PRIOR TO CONSTRUCTION.
- 20. CONTACT DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION-PUBLIC SPACE MAINTENANCE ADMINISTRATION 48 HOURS PRIOR TO START OF CONSTRUCTION AT (202) 645-6839 OR (202) 645-684
- 21. ALL PROPOSED UTILITY WORK TO BE PERFORMED UNDER THE INSPECTION OF THE DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY.
- 22. 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.
- 20. SKEPANCH OF IN CAUNTED OR DEPOSED.

  VERIFY LOCATION OF EXISTING UTILITIES BEFORE PROCEEDING WITH WORK, NOTIFY OWNER'S REPRESENTATIVE, DC WATER UTILITY IN SPECIOR, DC WATER (202-787-1974) AND "MISS UTILITY" (1-800-278-77777) 48 HOURS BEFORE PROCEEDING WITH ANY EXCANTIONS. HAND DIG TEST PITS AT ALL UTILITY CONCISIONS AND DETERMINE EXCIT CLEARANCE OF ALL PROFOSED INSTALLATIONS WILL IN ADVANCE OF CONSTRUCTION, NOTIFY ENGINEER OF ANY COMPLICITS WITH PLAN ELECTRONS.
- WORK AND MATERIALS IN THE PUBLIC RIGHT-OF-MAY 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 PLUMBENC CODE.
- 4. ELEVATIONS SHOWN HEREON ARE BASED ON D.C. DATUM.
- 5. DIMENSIONS ARE TO FACE OF WALL AND CURB, EDGE OF WALK AND PAVEMENT,
  CENTERLINE OF COLUMN, PIPE AND UTILITY STRUCTURE, UNLESS OTHERWISE NOTED.
- 6. FRAMES AND COVERS OF EXISTING STRUCTURES TO BE ADJUSTED TO MATCH NEW FINISHED GRADES.
- ONISSIONS AND/OR ADDITIONS OF UTILITIES FOUND DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINE IMMEDIATELY OF ANY INFORMATION CONCERNING FOUND UTILITY, NOT SHOWN ON PLANS.
- 8. EXISTING SURFACE CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO MATCH EXISTING CONDITIONS. CONTRACTOR TO COORDINATE EXTENT WITH ARCHITECT OR ENGINEER.
- 9. TEST PITS ARE REQUIRED AT ALL LOCATION(S) WHERE PROPOSED UTILITIES CROSS EXISTING UTILITIES. INVESTIGATION(S) TO IDENTIFY HORIZONTAL LOCATION, ELEVATION AND SIZE OF DESIGNING UTILITIES. THE ENGINEER IS TO BE NOTIFIED OF
- 19. IF A 1' MINIMUM VERTICAL CLEARANCE CAN NOT BE MAINTAINED AT UTILITY CROSSING, THE CONTRACTOR IS TO NOTIFY THE ENGINEER BEFORE PROCEEDING WITH
- 11. TRANSITION CURB, GUTTER, PAYING AND SIDEWALK TO MEET EXISTING IN LINE AND ON GRADE OR AS DIRECTED BY ENGINEER.
- 12. ALL DEBRIS AND EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED OFF-SITE LOCATION.
- 13. 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.
- 14. WHERE PORTIONS OF EXISTING BITUMINOUS OR CONCRETE PAVING ARE TO BE REMOVED, THE EXISTING PAVEMENT SHALL BE SAW-CUT.
- 15. REMOVE FRAMES AND COVERS OF SEMER MANHOLE/INLETS AND/OR WATER MAIN VALVE CASTINGS TO BE ABANDONED AND FILL TO GRADE.
- 16. ALL CURR SPOT SHOTS ARE TOP OF CURR. UNLESS OTHERWISE NOTED.
- 17. NOTIFY WASHINGTON GAS AT 282-759-4285, 48 HOURS PRIOR TO ANY EXCAVATION IN THE VICINITY OF ANY TRANSMISSION MAIN. FOR FUTHER INFORMATION OR PROBLEMS, CONTACT MRC. CHUCK WHITLEY AT WASHINGTON GAS AT 783-759-4295.
- 18. PROVIDE A MINIMUM OF 5 FEET HORIZONTAL AND 1 FOOT VERTICAL CLEARANCE BETWEEN 12" DIAMETER AND SMALLER DISTRIBUTION EXISTING GAS FACILITIES AND PROPOSED FACILITIES.
- 19. PROVIDE A MINIMUM OF 5 FEET HORIZONTAL AND 2 FEET VERTICAL CLEARANCE BETWEEN 16" DIAMETER OR GREATER TRANSMISSION GAS FACILITIES AND PROPOSED FACILITIES.
- 20. 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.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING SIDEWALK, CURB AND GUTTER TO REMAIN OR TO REPLACE SIDEWALK, CURB AND GUTTER DAMAGED DURING CONSTRUCTION.
- 22. Dosting found of the print 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.
- 23. REFER TO SUBSURFACE EXPLORATION & GEO-TECHNICAL ENGINEERING ANALYSIS FOR GEO-TECH REPORT.

### SITE LEGEND:

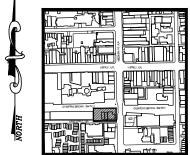
TEST PITS ARE REQUIRED AT ALL PROPOSED UTILITY CROSSINGS WITH ALL EXISTING UTILITY LINES TO DETERMINE THE EXACT HORIZONTAL LOCATION, ELEVATION AND ADD SIZE OF THE EXISTING UTILITIES. A MINIMUM OF ONE FOOT VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN EXISTING AND PROPOSED UTILITIES. TEST PITS SHOULD BE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

### URBAN FORESTRY NOTES:

URBAN FORESTRY NOTES:

TREE PLANING SAIL COMPAY WITH THE DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD STROTCHATES SECTION 611 AND STRANDARD STROTCHATES SECTION 611 AND STRANDARD DEPARTMENTS ON 611 AND 611. DECEDOUS THESE SMALL ONLY FE FLANFED DATES. COMPANION FLANTS (I.E. PREDMINALS, GRASSES, BLIES, SHRIBS, ETC.) TO BE RESTALLED IN THE EDOES MUST COMPOSE TO STROTCHATE OF THE STREET FREE DISTRIBUTION OF THE ST





# VICINITY MAP

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

### PROJECT NARRATIVE:

THE SUBJECT SITE CONSISTS OF 2,849 SF, OR APPROXIMATELY 0,061 ACRES OF LAND AREA INSIDE THE CAID CANAL PRISM, AND IS BOUNDED BY WISCONSIN AKENUE, INIC, GRACE STREET, NR, THE CAID CANAL TOWARTH, AND THE GEORGEOWIN PARK CONDOMINUAN TO THE WEST. THE PROJECT WILL RESULT IN REJINFORCIENT BRACING FOR THE SOUTHERN WALL OF THE CAO CANAL UNDERNEATH THE 3207 GRACE STREET, NW. AND 1048 WISCONSIN AVENUE, NW, ADDRESSES AND IN THE ADJOINING NATIONAL PARK SERVICE

NO LITH ITIES ARE PROPOSED TO BE CONSTRUCTED. ADDED OR ALTERED PERMANENTLY BY

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

### CIVIL DRAWING INDEX:

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EROSION AND SEDIMENT CONTROL PLAN
EROSION AND SEDIMENT CONTROL NOTES
SITE PLAN
EROSION AND SEDIMENT CONTROL DETAILS

DOEE ESC PLAN NO: s15338



100% DRAFT CONSTRUCTION

GRAPHIC SCALE	DESIGNED:	SUB SHEET NO.	
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NOTES LEGEND **ABBREVIATIONS** 

TITLE OF SHEET

STABILIZE SOUTH PRISM WALL

DRAWING NO 412 167062 310405 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 WEIGE 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:

- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DC WATER 24-HOUR EMERGENCY LINE AT (202) 612-3400 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

### LOCATION OF DC WATER UTILITIES:

F 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

- 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.
- 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 WIBRATION BY PROVIDING VIBRATION-MONITORING INSTRUMENTATION LOCATED AT THE SHORTEST DISTANCE FROM THE SHEETING TO THE UTILITY

### VIBRATION MONITORING:

- WHEN REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE.

  INSTRUMENTATION AND A QUALIFED OPERATION TO MONITOR VIBRATIONS PRODUCED

  BY THE INSTALLATION OF PILES AND SHEET PILING.
- THE EQUIPMENT OPERATOR SHALL HAVE AT LEAST FIVE YEARS EXPERIENCE IN THE INSTALLATION AND OPERATION OF VIBRATION MONITORING EQUIPMENT AND INTERPRETATION OF THE RESULTS.
- 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:

### PEAK PARTICLE VELOCITY

(IN/SEC)	
LESS THAN 10 HZ	0.5
10-40 HZ	0.7
GREATER THAN 49 H7	28

### BRACING AND TIEBACKS:

- 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.
- 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:
  CONDUCT DETAILED PRE— AND POST—CONSTRUCTION SURVEYS OF UTILITIES AND
- STRUCTURES, TO INCLUDE VIDEO INSPECTION AND/OR PHOTOGRAPHS AS REQUIRED
- 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.
- 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.
- MONITORING STATIONS GENERALLY SHALL CONSIST OF TARGETS AND BENCHMARKS
  THAT ARE READ BY STANDARD OPTICAL SURVEY EQUIPMENT. IF WARRANTED. INCLINOMETER STATIONS PLACED ALONG DEEP EXCAVATIONS SHALL SUPPLEMENT MONITORING STATIONS.
- MONITORING STATUTORS SHALL BE READ AND RECORDED AT LEAST ONCE EACH MEETS, OR MORE RESOURCHIT VS DISCREDE BY THE FROMERER AND COPES OF ALL RECORDS SHALL BE REPORTED TO DC WAITER, REPORTS SHALL DOCUMENT THE LOCATION OF EACH STATION, THE DATE AND THE OF EACH OSERVATION, AND SHALL PROVIDE A CONTINUOUS HISTORY OF READMOS FOR EACH STATION, MOLUDING DREADER READMOS.
- d. MONITORING SHALL CONTINUE UNTIL THE EXCAVATION HAS BEEN PERMANENTLY
- ANY HORIZONTAL OR VERTICAL MOVEMENT WITHIN THE ZONE OF INFLUENCE THAT EXCEEDS 6.61 FT. SHALL BE IMMEDIATELY REPORTED TO DC WATER.
- 3. GROUNDWATER LEVELS AROUND DC WATER UTILITIES SHALL BE MONITORED BY INSPECTING OBSERVATION WELLS AND PIEZOMETERS, AND SHALL BE MAINTAINED TO PREVENT SETTI EMENT DUE TO DEWATERING.

### DC/WATER GENERAL CONSTRUCTION NOTES:

- 1. CONTACT: NOTIFY THE FOLLOWING DC WATER DEPARTMENTS PRIOR TO THE
- A. CONSTRUCTION INSPECTION SECTION AT 202-787-4024 AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF UTILITY CONSTRUCTION TO SCHEDULE
- PRICONSTRUCTION MEETING.

  B. DEPARTMENT OF WATER SERVICES AT 202-612-3400 AT LEAST ONE WEEK PRIOR
- B. DEPARTMENT OF MAIRY SERVICES AT 202-012-3400 AT LEAST ONE, WEEK PRIOR TO THE COMMENCEMENT OF SEWER SERVICES AT 202-264-3862 OR 3873 AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF SEWER UTILITY CONSTRUCTION.
- 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 282-787-4924 AT LEAST 90 DAYS PRIOR TO CONSTRUCTION TO ALLOW ADEQUATE TIME TO MITTATE 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 TO PERFORM A WATER/SEWER CONNECTION/ARANDONMENT, 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 (2º 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
- 6. MISS UTILITY: CONTACT MISS UTILITY AT 800-257-7777 48 HOURS BEFORE ANY
- 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 IF THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR
- 8. ABANDONMENTS: THE OWNER MUST PHYSICALLY DISCONNECT EXISTING WATER, SEWER, AND STORM LATERALS THAT ARE TO BE ABANDONED AT THEIR CONNECTION TO THE
- 9. UNMETERED WATER: THERE SHALL BE NO UNMETERED CONNECTIONS TO THE CITY'S WATER SYSTEM, INCLUDING CONNECTIONS BYPASSING METERS FOR TESTING ON-SITE PLUMRING OR FOR ORTAINING 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 202-646-8600. 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.

- 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 SHIT DOWNS WITH DO 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 CRITITIED PLUMBER IS ONLY AUTHORIZED TO TURN OF 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.
- 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 ARANDONMENT 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.
- 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 202-646-8600.
- 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
- 23. SEWER BACKWATER PREVENTION: THE PLUMBING SYSTEM MUST BE INCOMPLIANCE WITH SECTION 715 OF THE 2806 INTERNATIONAL PLUMBING CODE WHICH STATES A BACKWATER IS VALVE IS REQUIRED FOR ALL PLUMBING FIXTURES BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE

UTILITY CO	ONTACTS:		
SEWER/WATER:	D.C. WATER 5000 OVERLOOK AVE. SW 5TH FLOOR	-DEXTER HOLMES	(202) 787-4024
ELECTRICITY:	WASHINGTON, DC 20032 PEPCO 701 9TH STREET NW, ROOM 6005 WASHINGTON, DC 20068	-SARA BISHOP	(202) 872-2977
GAS:	WASHINGTON GAS CO. 6801 INDUSTRIAL ROAD SPRINGFIELD, VA. 22151	-VANN JONES	(703) 750-5983
COMMUNICATIONS:	VERIZON COMMUNICATIONS FDC-1 3101 COLUMBIA PIKE CONDUIT GROUP - LOWER LEVEL SILVER SPRING, MD 26984	-MARY POLK	(301) 282-2463

### **ABBREVIATIONS:**

APPROX.	APPROXIMATE	GRD	GUARD
ASPH.	BITUMINOUS CONCRETE	GRNT	
BC	BLUESTONE CURB	P	IRON PIPE
BLDG.	BUILDING	INV	INVERT
BFP	BACK-FLOW	LP	LIGHT POLE
	PREVENTION	MAT	MATCH
BOC	BOTTOM OF CURB	MH	MANHOLE (STRUCTURE)
BRK	BRICK	MH MST	MEASURED
œ	CONCRETE CURB	0.04	OVERHEAD
CC	CURB & GUTTER	얪	OVERHEAD LINE ELECTRIC
CI	CURB INLET	PCC	PORTLAND CEMENT
a	CONTRACTION JOINT		CONCRETE
CL.	CENTER LINE	PM	PARKING METER
CLF	CHAIN LINK FENCE	POB	POINT OF BEGINNING
CO	CLEAN OUT	PROP	
CONC.	CONCRETE	RAD	RADIUS
COMB	COMBINE(D)	REC	RECORD
CY	CUBIC YARD	SAN	SANITARY
DI	DRAIN INLET	SEW	SEWER
DIP	DUCTILE IRON PIPE	SF	STORM FILTER
DOM	DOMESTIC	STD	STANDARD
DWG	DRAWING(S)	STM	STORM
Ē	ELECTRICAL	STY	STORY (FLOOR)
EC	END OF CURB	S/W	SIDEWALK
ELEC	ELECTRIC(AL)	ş/W	TELEPHONE
ELEV	ELEVATION	TOC	TOP OF CURB
EJ	EXPANSION JOINT	TYP	TYPICAL
ENT	ENTRANCE	UGE	UNDERGROUND
ĒΧ	EXISTING		ELECTRIC
řĤ	FIRE HYDRANT	w	WATER
FR	FROM	WL.	WATER LINE
FS	FILTERRA SYSTEM	WM	WATER MAIN
FT	FEET/FOOT	WV	WATER VALVE
ė'	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 FALED AND THOSE REPAIRS HAVE NOT BEEN UNDERTAKEN WITHIN 24 HOURS.

PERSONS REGULARLY PERFORMING PUBLIC SPACE EXCAVATION AND MANHOLE WORK PERSONS REGISTRATE PERFORMENT OF LOUGHT SPACE SCANNING THE MINISTRATE MOVING 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

- 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 QUITINED 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.
- 9. PLAIR ALL INTERSCLIANT, WHERE APPLICABLE.

  10. MANTAIN A 6 TO 19 FOOT SDEWALK AT ALL TIMES FOR PEDESTRIANS.

  11. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND SALVAGING ALL COBBLESTONE 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.



NOTIFY "MISS UTILITY" AT 1-800-257-777 48 HOURS IN ADVANCE BEFORE COMMENCING THE WORK



100% DRAFT CONSTRUCTION

GRAPHIC	SCALE	DESIGNED:	SUB SHEET NO.	TITLE OF SHEE	ET
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		00/12/2020			

DRAWING NO 412 167062 END 310405 ONS SHEET SM WALL

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