

DRAWING SCHEDULE

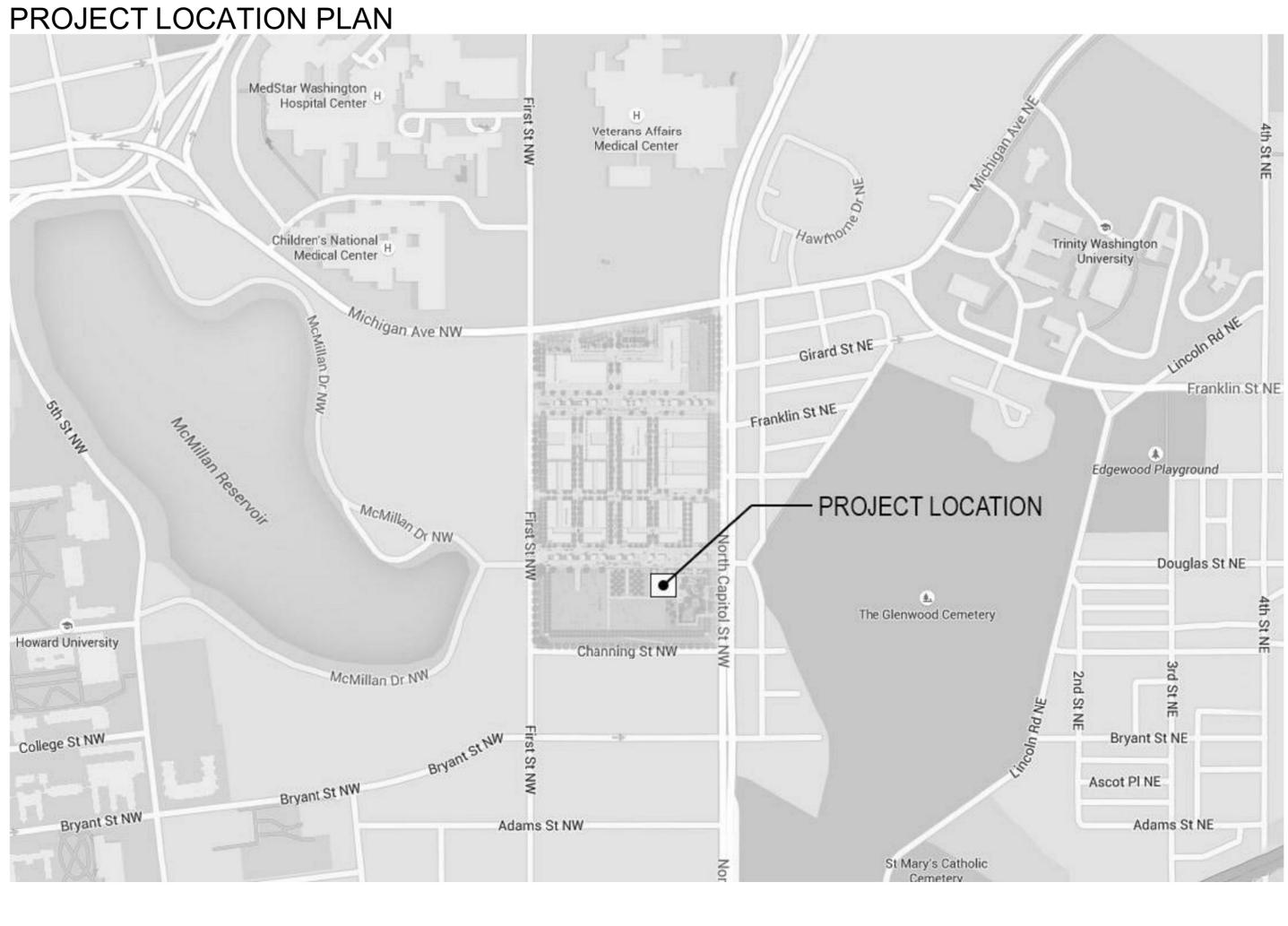
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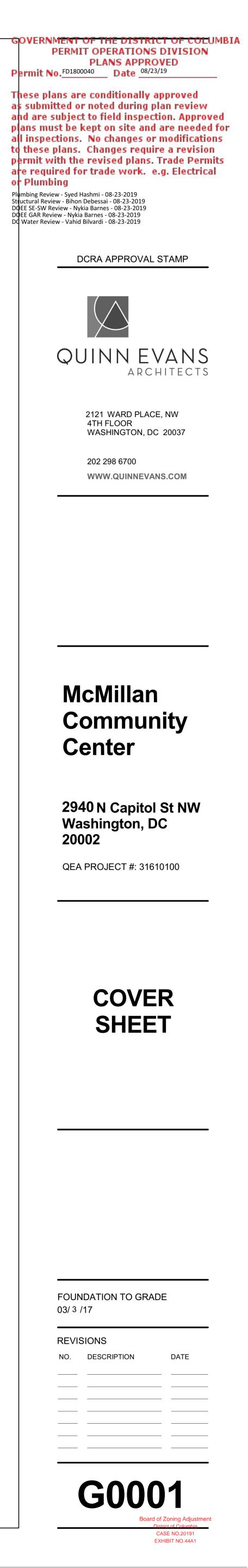
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SHEET LOOR PLAN PLUMBING SCHEDULES

PLUMBING DETAILS



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	DE	MOLITION:
	ļ	ONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR SHUTOFF, CAPPING ND CONTINUATION OF UTILITY SERVICES AS REQUIRED.
	N	ONTRACTOR SHALL REMOVE AND TRANSPORT ALL DEBRIS, RUBBISH AND OTHER IATERIALS RESULTING FROM ALL DEMOLITION OPERATIONS TO A LEGAL DISPOSAL IFF SITE.
	ļ	EMOVAL OF ASPHALT AND CONCRETE PAVEMENT SHALL INCLUDE THE REMOVAL OF LL SURFACE, BASE AND SUB-BASE MATERIALS.
	E	XISTING CONDITIONS SHOWN HEREON WERE TAKEN FROM A SURVEY PREPARED BY OWMAN CONSULTING DATED: 2010 AND FROM AVAILABLE UTILITY COMPANY ECORDS.
	S	LL UNDERGROUND UTILITY LOCATIONS, INCLUDING WATER, STORM DRAINAGE, ANITARY SEWER, ELECTRICAL, TELEPHONE AND GAS WERE TAKEN FROM AVAILABLE
	L C	ECORDS AND FIELD VERIFIED WHERE POSSIBLE. THE LOCATION OF ALL TILITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE ONTRACTOR TO VERIFY AND DETERMINE THE EXACT LOCATION AND DEPTH OF ALL
	E	TILITIES PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCY TO THE NGINEER. MARKING LOCATIONS OF EXISTING UTILITIES, CONTACT "MISS UTILITY" AT -800-257-7777, 48-HOURS PRIOR TO ANY EXCAVATION.
	ר כ	HE CONTRACTOR MUST HAND-DIG TEST PITS AT ALL UTILITY CROSSINGS O DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES AS WELL IN EMOLITION WORK AND PRIOR TO ORDERING PIPE MATERIALS AND STRUCTURE.
	F	TILITIES FOUND DURING DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE THE ESPONSIBILITY OF ANY CONTRACTOR ENGAGED IN EXCAVATION AT THIS SITE. THE NGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY UTILITY FINDINGS WHICH
	7. <i>I</i>	EVIATE FROM THE CONDITIONS SHOWN. LL SEDIMENT AND EROSION CONTROL METHODS SHALL BE INSTALLED BEFORE THE TART OF ANY EXCAVATION AND/OR DEMOLITION AS PER DISTRICT OF COLUMBIA
	E	ROSION AND CONTROL HANDBOOK. IF ANY ONSITE INSPECTION REVEALS FURTHER ROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED. EFER TO SHEETS CIV0103 AND CIV0501 SEDIMENTATION AND EROSION CONTROL
	F 8. 5	LANS AND DETAILS. EE SEDIMENTATION AND EROSION CONTROL PLAN FOR ALL EXISTING TREES TO
	9. N	EMAIN AND BE PROTECTED. OTE PROXIMITY OF ADJACENT STRUCTURES AND UTILITY LINES AND IAINTAIN CONTINUED SERVICE DURING CONSTRUCTION. COORDINATE WITH
	F	ESPECTIVE UTILITY COMPANIES AND ENGINEER SHOULD RELOCATION OF SERVICE BE EQUIRED.
	1 נ	XISTING UTILITIES (STRUCTURES AND LINES) NOT REQUIRED FOR FUTURE SERVICE O BE REMOVED TO FACILITATE CONSTRUCTION. UTILITIES TO BE CAPPED AS PER ITILITY PURVEYOR'S STANDARDS AND SPECIFICATIONS. COORDINATE REQUIREMENTS /ITH UTILITY PURVEYOR'S.
	11. F F	EMOVAL OF ALL WALLS/RETAINING WALLS AND FENCES SHALL INCLUDE THE EMOVAL OF THEIR FOUNDATION UNLESS OTHERWISE INDICATED ON THESE
	12. A	RAWINGS. LL EXISTING DC STREETLIGHT POLES THAT ARE BEING PERMANENTLY REMOVED IUST BE RETURNED IN GOOD CONDITION TO THE DISTRICT OF COLUMBIA WAREHOUSE .T 1735 15TH STREET NE OFF WEST VIRGINIA AVENUE CONTACT NUMBER
	2 13. E	02-576-5258. XISTING WATER AND SEWER SERVICES NOT REQUIRED FOR FUTURE USE TO BE
	S F V	EMOVED TO EXTENT NECESSARY TO FACILITATE NEW CONSTRUCTION. REMAINDER OF ERVICE TO BE CAPPED AT MAIN AND EXISTING VALVES AND TEES TO BE REMOVED ER DC WATER STANDARDS SPECIFICATIONS. COORDINATE REQUIREMENTS WITH DC (ATER INSPECTOR AT 202-787-4024. PAVEMENT TO BE REMOVED PER DISTRICT IF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
		ONTRACTOR TO BE RESPONSIBLE FOR LAYOUT, EXTENT AND DESIGN OF SHEETING, HORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES, HORING, BRACING AND UNDERPINNING SHALL BE DESIGNED BY A STRUCTURAL NGINEER, LICENSED IN THE DISTRICT OF COLUMBIA, HIRED BY THE CONTRACTOR AS
	N 15. (E	ECESSARY TO ENSURE SUPPORT OF SURROUNDING STRUCTURES AND UTILITIES. ONTRACTOR TO RELOCATE PARKING METERS IF REQUIRED AND AS DIRECTED BY .C. BUREAU OF PARKING. COORDINATE REQUIREMENT WITH LARRY BROWN OF
	16. N	ARKING SERVICES AT 202-671-2291. OTIFY DC WATER UTILITY INSPECTOR, CHIEF UTILITY INSPECTION (202) 787-4024 IF DISTRICT OF COLUMBIA WATER & SEWER AUTHORITY 48 HOURS PRIOR TO START
	נ 17. נ	F CONSTRUCTION. INLESS OTHERWISE SHOWN ON THESE DRAWINGS, EXISTING PAVEMENT ON NORTH APITOL STREET OR CHANNING STREET, NW TO REMAIN. PROVIDE
	F	RE-CONSTRUCTION VIDEO OF EXISTING PAVEMENT. EXISTING PAVEMENT, ISTURBED OR DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED PER ISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION STANDARDS AND PECIFICATIONS AT NO ADDITIONAL COST.
	18. F	RIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES VERIFY INVERT ELEVATION F EXISTING UTILITIES. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH INFORMATION HOWN PRIOR TO ORDERING ANY STRUCTURES.
	19. (20. (ONTACT 'MISS UTILITY' AT 1-800-257-7777 48 HOURS PRIOR TO CONSTRUCTION. ONTACT DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION-PUBLIC SPACE
	(21. A	AINTENANCE ADMINISTRATION 48 HOURS PRIOR TO START OF CONSTRUCTION AT 202) 645-6030 OR (202) 645-6031 LL PROPOSED UTILITY WORK TO BE PERFORMED UNDER THE INSPECTION OF THE
	22. l	ISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY. SE MANHOLE ENTRY SEALS WHERE REQUIRED.
		ONTRACTOR TO PROVIDE A PRE AND POST TV VIDEO SEWER ON EXISTING SEWER ROUND THE SITE PER DC WATER STANDARDS AND SPECIFICATIONS.
		EXISTING LEGEND P OPOSED
		S SANITARY LINE & MH 6"S
		EX 28'-18" STM.
		$\xrightarrow{EX} 6"G \longrightarrow GAS LINE & VALVE GAS GAS$
		WATER LINE & MH L6"WW
		WWV WATER VALVE
		FIRE HYDRANT
		TEST PIT REQUIRED
		302 contours 302
		FACE OF BUILDING DOOR
		CONCRETE SIDEWALK
		- TRANS.

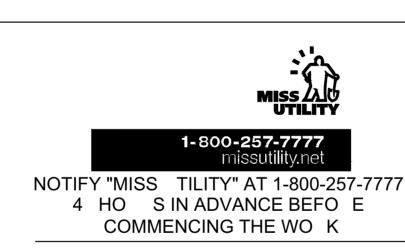
EDGE OF PAVEMENT EXPANSION JOINT _____ CONTRACTION SANITARY MANHOLE STRUCTURE NO. SANITARY MANHOLE STORM MANHOLE STRUCTURE NO. STORM MANHOLE

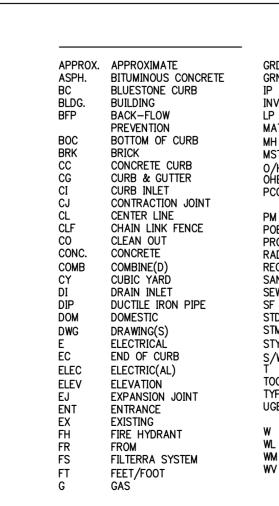
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_____ CG-6R _____

CURB INLET STRUCTURE NO. DRAIN INLET STRUCTURE NO. URBANNFORESTRY NOTES PROVIDING AT LEAST 48 HOURS NOTICE.





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. 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 EXISTING UTILITIES. THE ENGINEER IS TO BE NOTIFIED OF THIS INFORMATION 10. 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, PAVING AND SIDEWALK TO MEET EXISTING IN LINE AND
- ON GRADE OR AS DIRECTED BY ENGINEER.
- 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.
- VALVE CASTINGS TO BE ABANDONED AND FILL TO GRADE. 16. ALL CURB SPOT SHOTS ARE TOP OF CURB, UNLESS OTHERWISE NOTED.
- 17. 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 703-750-4205. 18. PROVIDE A MINIMUM OF 5 FEET HORIZONTAL AND 1 FOOT VERTICAL CLEARANCE
- 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. EXISTING FULL DEPTH PAVEMENT SECTION, CURB AND GUTTER TO BE REMOVED AND
- 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.

TEST PITS:

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.

SITE NOTES DISCREPANCY TO THE ARCHITECT OR ENGINEER.

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2. 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

DISTRICT OF COLUMBIA PLUMBING CODE.

PLAN ELEVATIONS.

FINISHED GRADES.

ILABLE UTILITY COMPANY STORM DRAINAGE.

- TAKEN FROM AVAILABLE OCATION OF ALL IBILITY OF THE ION AND DEPTH OF ALL REPANCY TO THE
- ITACT "MISS UTILITY" AT
- ALL UTILITY CROSSINGS UTILITIES AS WELL IN ERIALS AND STRUCTURE. ACTIVITIES SHALL BE TH ATION AT THIS SITE. THE UTILITY FINDINGS WHICH
- INSTALLED BEFORE THE DISTRICT OF COLUMBIA CTION REVEALS FURTHER IE SHALL BE PROVIDED. AND EROSION CONTROL
- ALL EXISTING TREES TO
- UTILITY LINES AND ON. COORDINATE WITH LOCATION OF SERVICE BE
- RED FOR FUTURE SERVICE TO BE CAPPED AS PER DORDINATE REQUIREMENTS
- ES SHALL INCLUDE THE INDICATED ON THESE
- PERMANENTLY REMOVED
- OF COLUMBIA WAREHOUSE ENUE CONTACT NUMBER
- FOR FUTURE USE TO B STRUCTION. REMAINDER C ND TEES TO BE REMOVED REQUIREMENTS WITH D REMOVED PER DISTRIC S AND SPECIFICATIONS.
- AND DESIGN OF SHEETING ADJACENT STRUCTURES GNED BY A STRUCTURAL BY THE CONTRACTOR AS TURES AND UTILITIES.
- D AND AS DIRECTED BY WITH LARRY BROWN OF PECTION (202) 787-4024
- B HOURS PRIOR TO START IG PAVEMENT ON NORTH REMAIN. PROVIDE EXISTING PAVEMENT
- HALL BE REPLACED PER ATION STANDARDS AND VERIFY INVERT ELEVATION
- ANCIES WITH INFORMATION RIOR TO CONSTRUCTION. PORTATION-PUBLIC SPACE
- RT OF CONSTRUCTION AT THE INSPECTION OF THE
- EWER ON EXISTING SEWER CATIONS.



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GUARD GRANITE GRN IRON PIPE INVERT LIGHT POLE MATCH MAT MANHOLE (STRUCTURE) MH MEASURED OVERHEAD 0/H OVERHEAD LINE ELECTRIC PORTLAND CEMENT CONCRETE PARKING METER POINT OF BEGINNING POB PROP PROPOSED RAD RADIUS RECORI SANITARY SAN SEWER STORM FILTER STANDARD STORM STM STORY (FLOOR) STY SIDEWALK TELEPHONE TOP OF CURB TYP UGE UNDERGROUND ELECTRIC WATER WATER LINE WATER MAIN WM WATER VALVE

1. WHERE NEW WORK MEETS EXISTING. NOTE FIELD LOCATION AND ELEVATIONS OF EXISTING FEATURES BEFORE BEGINNING CONSTRUCTION AND REPORT ANY

5

3. 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 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 7. OMISSIONS AND/OR ADDITIONS OF UTILITIES FOUND DURING CONSTRUCTION SHALL

12. ALL DEBRIS AND EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR

15. REMOVE FRAMES AND COVERS OF SEWER MANHOLE/INLETS AND/OR WATER MAIN

BETWEEN 12" DIAMETER AND SMALLER DISTRIBUTION EXISTING GAS FACILITIES AND

REPLACED TO EXTENT NECESSARY TO FACILITATE CONSTRUCTION OF NEW UTILITIES.

TREE PLANTING SHALL COMPLY WITH THE DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES SECTION 611 AND STANDARD DRAWINGS NO. 611.10 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 DDOT MINIMUM HEIGHT STANDARDS 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,

MISS (A)U UTILITY

STANDARDS FOR SHEETING AND SHORING ADJACENT TO DC WATER UTILITIES:

6

STABILITY OF ITS UTILITIES.

PILES AND SHEET PILING:

FEET OF ANY DC WATER UTILITY

VIBRATION MONITORING:

INTERPRETATION OF THE RESULTS.

FREQUENCY

LESS THAN 10 HZ

WATER PIPELINE.

BY THE ENGINEER.

GREATER THAN 40 HZ

BRACING AND TIEBACKS:

CONSTRUCTION MONITORING:

(IN./SEC)

10-40 HZ

LOCATION OF DC WATER UTILITIES:

(202) 787-4024.

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 THEREOF. POINTS OF CONTACT:

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DC WATER 24-HOUR EMERGENCY

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

IF REQUIRED BY THE ENGINEER, THE EXACT LOCATION OF DC WATER UTILITIES

SHALL BE DETERMINED BY TEST PITTING PRIOR TO INSTALLATION OF SHEETING.

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

3. SHEET PILING MAY BE INSTALLED WITHIN 50 FEET OF A DC WATER UTILITY BY THE

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

2. THE EQUIPMENT OPERATOR SHALL HAVE AT LEAST FIVE YEARS EXPERIENCE IN THE

3. VIBRATIONS SHALL BE MONITORED BY MEASURING THE PEAK PARTICLE VELOCITY AT

1. NO RACKERS OR HEEL BLOCKS SHALL BEAR IN THE ZONE OF INFLUENCE OF ANY DC

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

ANY EXCAVATION OR CONSTRUCTION OCCURRING WITHIN THE ZONE OF INFLUENCE OF

CONDUCT DETAILED PRE- AND POST-CONSTRUCTION SURVEYS OF UTILITIES AND

INSTRUMENTATION AND A QUALIFIED OPERATOR TO MONITOR VIBRATIONS PRODUCED

INSTALLATION AND OPERATION OF VIBRATION MONITORING EQUIPMENT AND

THE CLOSEST POINT ON THE UTILITY TO THE LOCATION OF WORK. THE MEASURED

PEAK PARTICLE VELOCITY

0.50

0.75

2.00

THE SHORTEST DISTANCE FROM THE SHEETING TO THE UTILITY.

PEAK PARTICLE VELOCITY SHALL NOT EXCEED THE FOLLOWING:

BY THE INSTALLATION OF PILES AND SHEET PILING.

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

LINE AT (202) 612-3400 OF ANY EMERGENCY AFFECTING THE CONDITION OR

- AND TECHNICAL SERVICES, D.C. WATER, OR THE AUTHORIZED REPRESENTATIVE

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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.

COMMENCEMENT OF UTILITY CONSTRUCTION:

PRE-CONSTRUCTION MEETING.

- 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.
- . ABANDONMENT: THE OWNER MUST PHYSICALLY DISCONNECT EXISTING WATER, SEWER, AND STORM LATERALS THAT ARE TO BE ABANDONED AT THEIR CONNECTION TO THE PUBLIC MAIN.
- 9. UN-METERED WATER: THERE SHALL BE NO UN-METERED 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 202-646-8600. 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 A 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 BACK FLOW 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 AND DC WATER AS BUILT SUBMISSION CHECKLIST FOR ADDITIONAL INFORMATION. DWG FILES AND PDF FILES MUST BE SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE DISTRICT OF COLUMBIA.
- 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 202-646-8600.
- 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 202-787-4350.
- 23. SEWER BACKWATER PREVENTION: THE PLUMBING SYSTEM MUST BE IN-COMPLIANCE WITH SECTION 715 OF THE 2006 INTERNATIONAL PLUMBING CODE WHICH STATES A BACKWATER VALVE IS REQUIRED FOR ALL PLUMBING FIXTURES BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER.

UTILITY CO	ONTACTS:	
SEWER/WATER:	D.C. WATER	-DEXTER
	5000 OVERLOOK AVE. SW	
	5TH FLOOR	
	WASHINGTON, DC 20032	
ELECTRICITY:	PEPCO	-SARA
	701 9TH STREET NW, ROOM 6005	
	WASHINGTON, DC 20068	
GAS:	WASHINGTON GAS CO.	-VANN
	6801 INDUSTRIAL ROAD	
	SPRINGFIELD, VA 22151	
COMMUNICATIONS:	VERIZON COMMUNICATIONS	-MARY
	FDC-1	
	3101 COLUMBIA PIKE	
	CONDUIT GROUP - LOWER LEVEL	
	SILVER SPRING, MD 20904	

GLOBAL ENGINEERING SOLUTIONS OF WASHINGTON DC 5225 WISCONSIN AVE NW, SUITE 300 WASHINGTON, DC 20015

ARCHITECT: QUINN EVANS ARCHITECTS WASHINGTON, DC 20034 202-591-2592 CONTACT: JEFF LUKER

SITE SURVEYOR: BOWMAN CONSULTING DC WASHINGTON, DC 20006 202-750-2474 CONTACT: RYAN BRANNAN

ANDSCAPE ARCHITECT: WILES MENSCH CORPORATION DC 510 8TH STREET SE WASHINGTON, DC 20003 202-638-4040 CONTACT: CRAIG ATKINS

6

202-495-7746

CIVIL ENGINEER:

202-638-4040

510 8TH STREET SE

WASHINGTON, DC 20003

CONTACT: MICHAEL SZYNAL

CONTACT: ABDULLAH AYAZI

WILES MENSCH CORPORATION DC

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- 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 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.

CONTACTS:

OWNER DC DEPARTMENT OF GENERAL SERVICES 2000 14TH STREET NW. 8TH FLOOR WASHINGTON, DC 20009 202-339-9000 CONTACT: GARETH THOMAS

STRUCTURES, TO INCLUDE VIDEO INSPECTION AND/OR PHOTOGRAPHS AS REQUIRED 2. INSTALL VERTICAL AND HORIZONTAL DEFLECTION MONITORING STATIONS ALONG THE

COMPLETELY UNLOADED UPON COMPLETION OF THE WORK.

DC WATER UTILITIES SHALL BE MONITORED AS FOLLOWS:

UTILITY ALIGNMENT, OR AT LOCATION DESIGNATED BY THE ENGINEER, TO DETECT SETTLEMENT OR LATERAL MOVEMENT OF THE UTILITY AND SURROUNDING SOIL. a. 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.

- b. 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. c. MONITORING STATIONS SHALL BE READ 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. d. MONITORING SHALL CONTINUE UNTIL THE EXCAVATION HAS BEEN PERMANENTLY
- STABILIZED. e. ANY HORIZONTAL OR VERTICAL MOVEMENT WITHIN THE ZONE OF INFLUENCE THAT
- EXCEEDS 0.01 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 SETTLEMENT DUE TO DEWATERING.

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.

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DC/WATER GENERAL CONSTRUCTION NOTES:

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. 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 b) DEPARTMENT OF WATER SERVICES AT 202-612-3400 OR 3460 AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF WATER UTILITY CONSTRUCTION. c) DEPARTMENT OF SEWER SERVICES AT 202-264-3824 OR 3829 AT LEAST ONE

WEEK PRIOR TO THE COMMENCEMENT OF SEWER UTILITY CONSTRUCTION.

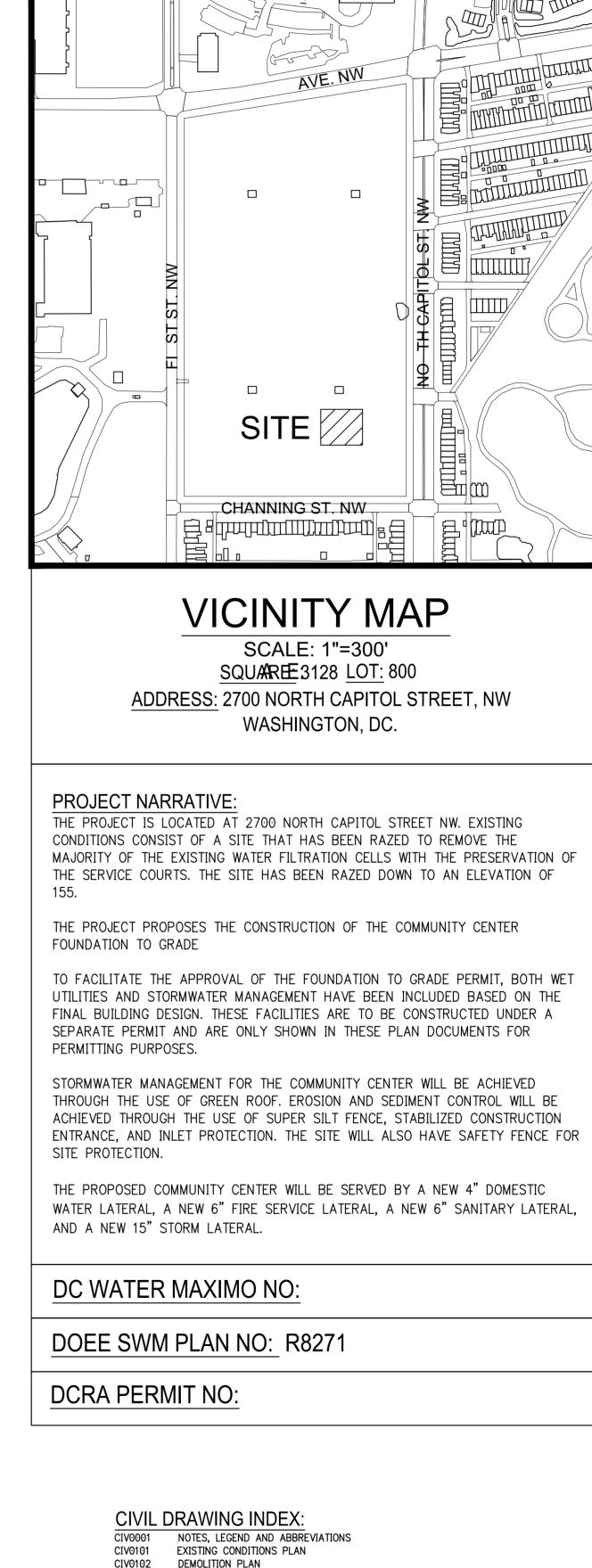
TER HOLMES (202) 787-4024 BISHOP (202) 872-2977 JONES (703) 750-5983

(POLK (301) 282–2463

2121 WARD PLACE NW, 4TH FLOOR

888 17TH STREET NW, SUITE 510

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EROSION AND SEDIMENT CONTROL PLAN CIV0104 EROSION AND SEDIMENT CONTROL NOTES

CIV0105 SITE PLAN CIV0106 UTILITY PLAN CIV0107 GRADING PLAN

CIV0103

CIV0503

CIV0701

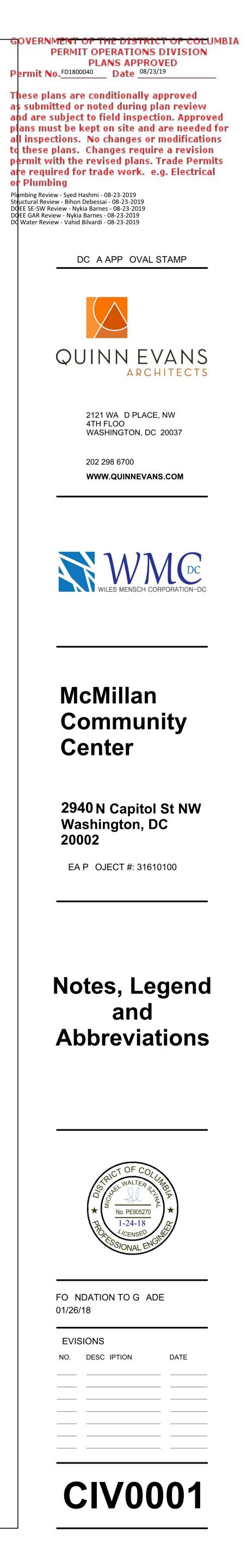
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CIV0702

- CIV0301 UTILITY PROFILES EROSION AND SEDIMENT CONTROL DETAILS CIV0501 CIV0502
 - UTILITY DETAILS SITE DETAILS, UTILITY DETAILS AND DC WATER FORMS STORMWATER MANAGEMENT PLAN DRAINAGE DIVIDE

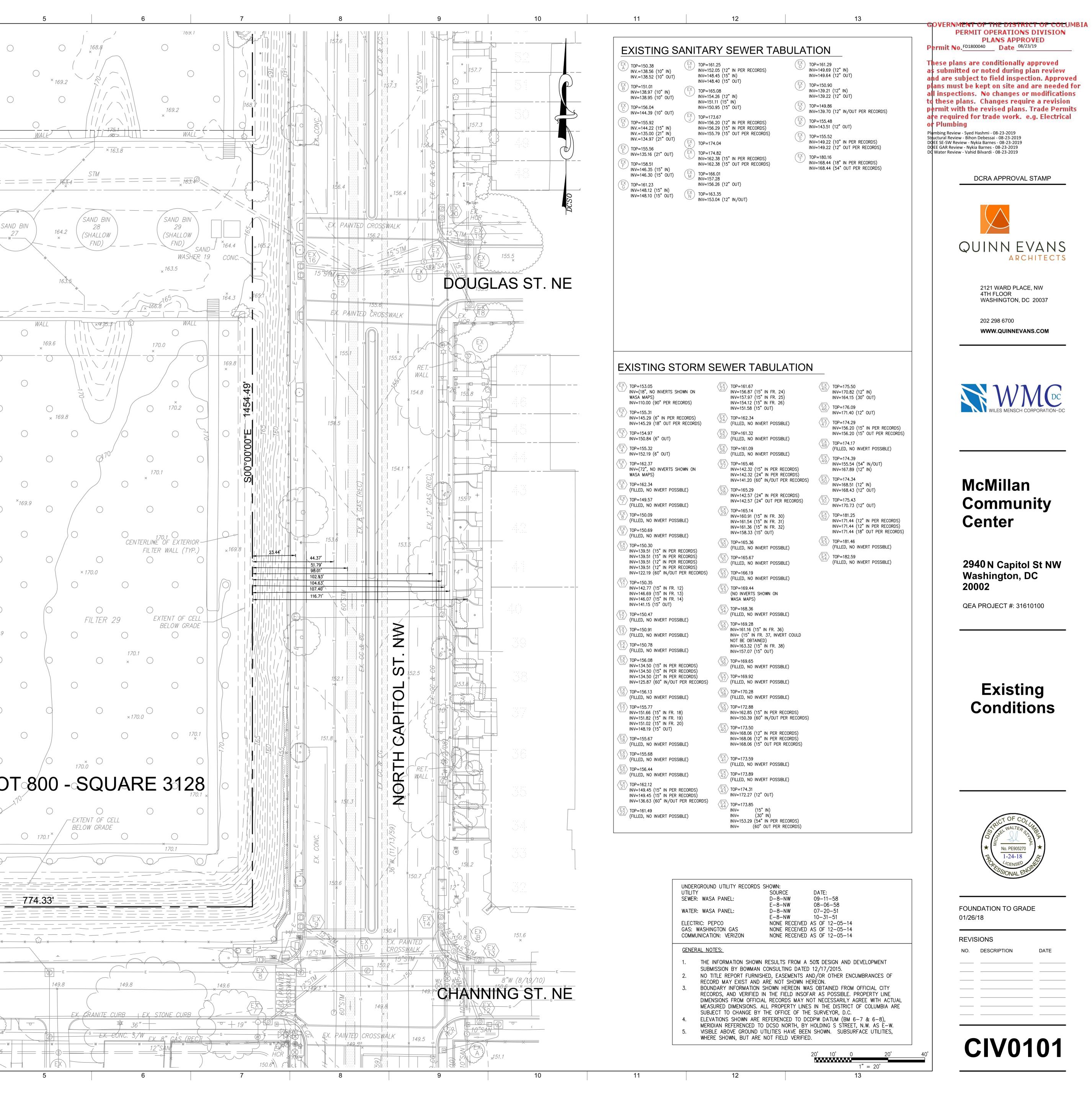
STORMWATER MANAGEMENT PLAN NOTES AND DETAILS

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GOVERNMENT OF THE DISTRICT OF COLUMBIA PERMIT OPERATION DIVISION Plans Approved

Permit # FD1800040 Date 08/23/19

All work must be done strictly in accordance herewith an approved plans. Approved plans shall be kept on the site until completion of the construction. No inspection will be made without approved plans on site. The approval does not prevent a field inspection from ordering corrections to meet codes when issues are noted during inspections

18 May 2018

Response to DCRA Comments FD1800040

RE: MCMILLAN SLOW SAND FILTRATION SITE WASHINGTON, DC QEA PROJECT # 31610100

Subject: Response to Review Comments



WASHINGTON, DC 20036

202 298 6700

2121 WARD PLACE, NW, 4TH FLOOR

CC: Cliff Dixon

To: DCRA

1. DOEE GAR Review: Nykia Barnes

Complete Green Area Ratio (GAR) application for exemption status and have it signed by the appropriate Agency. Upload signed form into Supporting Documents folder. <u>https://doee.dc.gov/node/619622</u>

Response: GAR based on Square 3128 Lot 800 to be uploaded.

2. DOEE SE-SW Review: Nykia Barnes

Enter a new plan into the DOEE Stormwater Database for this site. Pick up filing fee invoices from DOEE staff in the DCRA permit center. Once paid, upload proof of payment and drawings into the database to start the review. http://doee.dc.gov/SWDB

Response: SE-SW plan based on Square 3128 Lot 800 to be uploaded.

3. <u>EISF Review: Arlette Howard</u> Please submit the EIF for this project.

Response: See the previously approved EISF/EIF letter attached.

4. Energy Review: David Kaiser

Per the Green Building Act, please identify how this project will comply with LEED Silver requirements. Please invite green.building (at)dc.gov to the LEED Online account.

Response: When Community Center design is advanced beyond the Foundation to Grade and Construction Documents developed, the project will comply with LEED Silver requirements. See attached preliminary LEED scorecard. When project is registered with USGBC, green.building@dc.gov will be invited.

<u>Structural Review:</u> Bihon Debessai S0010 - Please upload the referenced Geotechnical soil report. [Section 1803.1 DCMR 2013]

Response: The Geotechnical soil report is uploaded.

S0030 - Provide fully executed "Statement of special inspection". [109.3.13 DCBC 2013]

Response: See attached Statement of Special Inspections.

WASHINGTON, DC ANN ARBOR, MI BALTIMORE, MD DETROIT, MI MADISON, WI

GOVERNMENT OF THE DISTRICT OF COLUMBIA PERMIT OPERATION DIVISION Plans Approved

Permit # FD1800040 Date 08/23/19

18 May 2018 Page 2 of 2 All work must be done strictly in accordance herewith an approved plans. Approved plans shall be kept on the site until completion of the construction. No inspection will be made without approved plans on site. The approval does not prevent a field inspection from ordering corrections to meet codes when issues are noted during inspections

McMillan Plat - The "Official Building Plat" shall depict the existing situation and proposed work. [Sec. 106.1.13 DCMR 2013]

Response: Plat is being provided to depict the existing situation and proposed work.

001 - Delete all plans " for reference only" from "drawings Folder" and upload them at the "Supporting Documents folder." [106.1 DCBC 2013]

Response: Plans have been moved.

6. Zoning Review: David Vollin

Please provide the building dimensions including those of the porch and all features that are counted against lot occupancy and require setbacks. show the dimensions on the plat and the plans must also provide matching dimensions. All existing structures that will remain must be shown on the plat

Response: Building dimension are added to the plat. All existing structures that will remain will be shown.



ARCHITECTS

WASHINGTON, DC ANN ARBOR, MI BALTIMORE, MD DETROIT, MI MADISON, WI

WWW.QUINNEVANS.COM