GENERAL NOTES:

1. CONTACT THE UTILITY OWNERS FOR ASSISTANCE IN LOCATING AND REMOVING/RELOCATING ALL UTILITIES THAT ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK. CONTACT "MISS UTILITY" AS REQUIRED BY LAW PRIOR TO BEGINNING WORK AND FIELD LOCATE EXISTING UTILITIES PRIOR TO INSTALLATION OF SHORING SYSTEM. CONTRACTOR SHALL REMOVE OR RELOCATE ALL OVERHEAD LINES TO PROVIDE OSHA REQUIRED CLEARANCES FOR THE DRILL RIG AND CRANE UTILIZED TO INSTALL THE SOLDIER PILES AND TIEBACKS.
2. MAINTAIN ANY EXISTING UTILITIES REQUIRED TO REMAIN; KEEP IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
3. DISCONNECT AND SEAL ANY ABANDONED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS. COORDINATE ALL WORK WITH LOCAL UTILITY COMPANIES HAVING JURISDICTION.
4. THIS SUPPORT OF EXCAVATION FOR DEMOLITION PACKAGE IS FOR PERMITTING PURPOSES ONLY. THE FINAL DESIGN AND DETAILING OF THE SHEETING AND SHORING SYSTEM SHALL BE DESIGNED BY GEI, HIRED BY OTHERS TO COMPLETE THE DESIGN.
5. PRIOR TO THE START OF WORK, CONDITION SURVEYS SHALL BE PERFORMED OF ALL STRUCTURES TO BE SUPPORTED AND ADJACENT STRUCTURES TO REMAIN. NOTIFY GEI IF CONDITIONS ARE FOUND TO DIFFER SIGNIFICANTLY FROM THOSE INDICATED ON THESE DRAWINGS REQUIRING MODIFICATIONS TO THE DEMOLITION PLAN.
6. INSTRUMENTATION OF ALL STRUCTURES IDENTIFIED IN THE SPECIFICATIONS TO BE MONITORING SHALL BE INSTALLED AND BASELINED PRIOR TO THE START OF WORK.
7. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE OWNER, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.
8. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. THESE NOTES HIGHLIGHT RATHER THAN REPLACE THE SPECIFICATIONS.
9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA REGULATIONS.
10. A SAFETY HANDRAIL SHALL BE INSTALLED ALONG THE TOP OF THE SOLDIER PILE AND LAGGING WALL. DETAILS OF HANDRAILS ARE NOT SHOWN ON THESE DRAWINGS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
11. INSTALL TEMPORARY CHAIN LINK SECURITY FENCING OUTSIDE OF EXCAVATIONS TO REPLACE ANY AREAS WHERE EXISTING SECURITY FENCING IS REMOVED TO FACILITATE THE WORK.
12. ALL SPECIAL INSPECTIONS REQUIRED BY THE DC BUILDING CODE SHALL BE PERFORMED.
13. ANY PERMITS REQUIRED FOR ROAD CLOSURES AND MANAGEMENT OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC): MANUAL OF STEEL CONSTRUCTION.
   b. AMERICAN WELDING SOCIETY (AWS): STRUCTURAL WELDING CODE – STEEL (AWS D1.1).
2. ALL STRUCTURAL STEEL SHALL CONFIRM TO THE FOLLOWING SPECIFICATIONS:
   a. SOLDIER PILES: ASTM A572 (FY=50 KSI).
   b. ALL OTHER STEEL COMPONENTS: ASTM A36 (FY=36 KSI).
3. ALL WELDING SHALL BE PERFORMED BY AWS D1.1 CERTIFIED WELDERS.

CONCRETE AND FLOWABLE FILL

1. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING STANDARD: AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. CONCRETE SHALL HAVE A 28–DAY COMPRESSIVE STRENGTH (F'C) EQUAL TO 4,000 PSI.
3. MAINTAIN A MINIMUM COVER OF 3 INCHES FOR SOLDIER PILES.
4. LOW STRENGTH FLOWABLE FILL SHALL HAVE A 28–DAY COMPRESSIVE STRENGTH BETWEEN 50 AND 250 PSI.

SOLDIER PILE INSTALLATION

1. SOLDIER PILES SHALL BE INSTALLED IN 30–INCH DIAMETER DRILLED HOLES. DRILLED–IN PILES SHALL BE INSTALLED IN THE FOLLOWING MANNER:
   a. DRILL 30–INCH HOLE TO THE PLANNED TIP ELEVATION. UTILIZE TEMPORARY STEEL CASING IF HOLE STABILITY BECOMES A PROBLEM, OR IF WATER IS ENCOUNTERED DURING DRILLING.
   b. CLEAN OUT THE HOLE TO ENSURE LESS THAN 1 INCH OF DRILL CUTTINGS AND/OR 1 FOOT OF WATER REMAIN AT THE BOTTOM OF THE DRILL HOLE.
   c. LOWER SOLDIER PILE INTO HOLE AND HOLD IN PLACE WITH TEMPORARY BRACING.
   d. FILL HOLE WITH CONCRETE BELOW THE FINAL EXCAVATION LEVEL AND WITH LOW STRENGTH FLOWABLE FILL ABOVE THE PROPOSED EXCAVATION LEVEL.

TIMBER LAGGING

1. TIMBER LAGGING SHALL BE HAVE A MINIMUM ALLOWABLE BENDING STRESS OF 1,200 PSI AND ALLOWABLE SHEAR STRESS OF 175 PSI.
2. LAGGING BOARDS SHALL BE ROUGH CUT, FULL DIMENSION, 3–INCH THICK.
3. BACKFILL ALL VOIDS BEHIND LAGGING BOARDS WITH HAND COMPACTED SOIL IMMEDIATELY AFTER EACH BOARD IS INSTALLED.
4. EXCAVATION ADJACENT TO SOLDIER PILE AND LAGGING WALLS SHALL NOT EXTEND MORE THAN 3 FEET UNSUPPORTED BELOW THE BOTTOM OF THE LOWEST LAGGING BOARD.

TEMPORARY SLOPES

1. TEMPORARY SLOPES USED IN CONNECTION WITH SOLDIER PILE AND LAGGING WALLS SHALL NOT BE STEEPER THAN 1.5H:1V.
2. TEMPORARY SLOPES USED AS THE SOLE SHORING SYSTEM ADJACENT TO ROADWAYS AND SIDEWALKS SHALL NOT BE STEEPER THAN 2H:1V.
3. TEMPORARY JERSEY–STYLE VEHICLE BARRIERS SHALL BE INSTALLED AT THE TOP OF ALL SLOPES ADJACENT TO ROADWAYS AND SIDEWALKS EXCEEDING 3 FEET IN HEIGHT.
4. ALL SLOPES USED ADJACENT TO ROADWAYS AND SIDEWALKS AND ANY SLOPES THAT WILL REMAIN EXPOSED FOR DURATIONS EXCEED 3 MONTHS SHALL BE STABILIZED UTILIZING SEEDING, EROSION CONTROL MATS, OR REINFORCED POLYETHYLENE SHEETS TO PREVENT LOCALIZED EROSION OF SLOPES.

TOLERANCES

1. SOLDIER PILES SHALL BE INSTALLED WITHIN 6 INCHES OF THE LOCATION SHOWN ON THESE DRAWINGS AND WITHIN 1 DEGREE OF PLUMB.
2. ELEVATION OF TIEBACK HEADS SHALL BE WITHIN 3 INCHES OF THE LOCATION SHOWN ON THESE DRAWINGS.
3. INCLINATION OF TIEBACKS SHALL BE WITHIN 3 DEGREES OF THE ANGLE SHOWN ON THESE DRAWINGS.
4. ORIENTATION OF TIEBACKS IN PLAN SHALL BE WITHIN 3 DEGREES OF PERPENDICULAR TO THE SOLDIER PILE AND LAGGING WALL.

DESIGN CRITERIA

1. CONSTRUCTION EQUIPMENT IS NOT PERMITTED TO BE OPERATED ON TOP OF THE EMPTY FILTERS.
2. SEE SUPPORT OF EXCAVATION FOR DEMOLITION CALCULATION PACKAGE FOR SPECIFIC DESIGN INFORMATION AND SOIL DESIGN PARAMETERS.
3. A MINIMUM SURCHARGE PRESSURE OF 250 PSF WAS UTILIZED FOR THE DESIGN OF ALL SUPPORT OF EXCAVATION SYSTEMS TO MODEL TYPICAL ROADWAY TRAFFIC BEHIND WALLS.
4. A CONSTRUCTION SURCHARGE PRESSURE OF 650 PSF WAS UTILIZED FOR THE DESIGN OF ALL SUPPORT OF EXCAVATION THAT WILL HAVE CONSTRUCTION EQUIPMENT OPERATING BEHIND THE WALL EITHER DURING CONSTRUCTION OF THE SUPPORT OF EXCAVATION SYSTEM OR DURING DEMOLITION OF THE FILTER CELLS. THE CURRENT SUPPORT OF EXCAVATION UTILIZED THIS CONSTRUCTION SURCHARGE FOR THE SUPPORT OF EXCAVATION WALLS THAT HAVE TIEBACKS INSTALLED.
5. STOCKPILING OF EXCAVATED SOIL OR CONCRETE DEBRIS ARE NOT PERMITTED BEHIND THE SUPPORT OF EXCAVATION WALLS OR AT THE TOP OF THE TEMPORARY SOIL SLOPES.

PROPOSED SEQUENCE OF DEMOLITION:

1. THE SUPPORT OF EXCAVATION SYSTEM PRESENTED ON THESE DRAWINGS ARE BASED ON THE SUGGESTED SUPPORT OF EXCAVATION SEQUENCE FOR DEMOLITION PROVIDED. MODIFICATIONS OF THIS SEQUENCE SHALL BE EVALUATED BY THE ENGINEER TO ENSURE THAT MODIFICATIONS TO THE SUPPORT OF EXCAVATION SYSTEM ARE NOT REQUIRED. THE SEQUENCE OF DEMOLITION OF THE FILTERS IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY ADJACENT STRUCTURES TO REMAIN.
3. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED.
4. CONDUCT DEMOLITION OPERATIONS AND THE REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
5. DO NOT CLOSE OR OBSTRUCT STREET, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
6. BEFORE COMMENCING ANY ALTERATION OR DEMOLITION WORK, SUBMIT FOR REVIEW BY THE OWNER, A SCHEDULE SHOWING THE COMMENCEMENT, THE ORDER, AND THE COMPLETION DATES FOR THE VARIOUS PARTS OF THIS WORK.
7. CONTRACTOR WILL TAKE FULL PRECAUTIONS TO PROTECT WORKMAN, PASSERSBY OR ANY OTHER PERSONS FROM FALLING DEBRIS AND OTHER HAZARDS OF DEMOLITION OPERATIONS.
8. CONTRACTOR WILL MAKE SUCH EXPLORATIONS AND PROBES AS ARE NECESSARY TO ASCERTAIN ANY REQUIRED PROTECTIVE MEASURES BEFORE PROCEEDING WITH DEMOLITION AND REMOVAL. GIVE PARTICULAR ATTENTION TO SHORING AND BRACING REQUIREMENTS AS TO PREVENT ANY DAMAGE TO EXISTING CONSTRUCTION.
9. CONSTRUCTION AND ADEQUACY OF THE SHORING SHALL BE THE ENTIRE RESPONSIBILITY OF THE CONTRACTOR.

SUPPORT OF EXCAVATION MONITORING PLAN FOR PACKAGE 2

1. PRIOR TO BEGINNING WORK, CONDUCT PRE–CONSTRUCTION CONDITION SURVEYS OF ALL STRUCTURES WITHIN THE ZONE OF INFLUENCE OF THE EXCAVATIONS. THE ZONE OF INFLUENCE SHOULD BE CONSIDERED TO EXTEND A DISTANCE EQUAL TO THE MAXIMUM DEPTH OF EXCAVATION REQUIRED FOR DEMOLITION.
2. STRUCTURAL MONITORING POINTS SHALL BE INSTALLED ALONG THE TOP OF THE SUPPORT OF EXCAVATION SYSTEM AT NO GREATER THAN 50 FEET APART TO MONITOR HORIZONTAL AND VERTICAL MOVEMENTS OF THE PILES.
3. NOTIFY THE ENGINEER IF LATERAL MOVEMENT IS MEASURED EQUAL TO 1% OF THE MAXIMUM EXCAVATION DEPTH TO DETERMINE IF MITIGATION MEASURES SHALL BE DEVELOPED FOR REINFORCING THE SUPPORT OF EXCAVATION SYSTEM.

CONSTRAINTS AND ASSUMPTIONS SPECIFIC TO PERMIT PACKAGE 2:

1. THE SERVICE COURT NO. 3 WALLS MUST REMAIN IN PLACE DURING AND AFTER DEMOLITION.
2. SERVICE COURT NO. 3 MUST REMAIN OPEN TO VEHICULAR TRAFFIC DURING DEMOLITION.
3. THE SAND BINS, REGULATOR HOUSES, AND SAND WASHER STRUCTURES MUST NOT BE DAMAGED DURING DEMOLITION.
4. NORTH CAPITOL STREET AND 1ST STREET NW MUST NOT BE DAMAGED DURING THE DEMOLITION WORK.
5. 1ST STREET NW IS CURRENTLY CLOSED TO THE PUBLIC AND WILL REMAIN CLOSED DURING DEMOLITION, BUT CAN BE USED FOR THE INSTALLATION OF THE SHORING SYSTEM REQUIRED FOR DEMOLITION.

PROPOSED SUPPORT OF EXCAVATION SEQUENCE FOR DEMOLITION FOR PERMIT PACKAGE 2:

1. INSTALL VERTICAL REINFORCING IN THE WALLS TO REMAIN ALONG SERVICE COURT NO. 3.
2. INSTALL TEMPORARY BRACING WITHIN ENTRANCE RAMP PORTALS ALONG SERVICE COURT NO. 3.
3. INSTALL LATERAL BRACING TO SUPPORT THE ENTRANCE RAMP PORTALS ALONG SERVICE COURT NO. 3 TO AN ANCHOR BLOCK LOCATED ON THE SERVICE COURT ROADWAY.
4. INSTALL INTERNAL BRACING OF ROOF ARCH IN SOUTHERN BAY OF FILTERS 20 THROUGH 24.
5. INSTALL TEMPORARY RAKERS AND HEEL BLOCKS SUPPORTING SERVICE COURT NO. 3 WALLS IN FILTERS 20, 21, AND HALF OF 22 WITH A SHALLOW FOUNDATION. MAXIMUM SPACING OF RAKERS SHALL BE 14 FEET.
6. INSTALL SOLDIER PILES ALONG SERVICE COURT NO. 2 ON THE OUTSIDE OF THE EXISTING SERVICE COURT WALL OF THE FILTERS.
7. INSTALL STRUT BETWEEN SERVICE COURT NO. 2 WALL AND SOLDIER PILES.
8. INSTALL SOLDIER PILES ALONG THE OUTSIDE OF THE WESTERN WALL OF FILTER 15 WHERE REQUIRED.
9. INSTALL SOLDIER PILES ALONG THE OUTSIDE OF THE EASTERN WALL OF FILTER 19 WHERE REQUIRED.
10. EXCAVATE SOIL FROM IN FRONT OF THE SOLDIER PILE WALL WHILE INSTALLING TIMBER LAGGING TO ALLOW FOR TEMPORARY EXCAVATION SLOPES REQUIRED FOR DEMOLITION ALONG NORTH CAPITOL STREET AND 1ST STREET NW.
11. WITH AN EXCAVATOR OPERATING ON SERVICE COURT NO. 3, REMOVE SOIL ALONG THE TOP OF THE SOUTHERN BAY OF CELLS 20 THROUGH 24 FOR A WIDTH OF 14 FEET TO THE NEXT INTERIOR PIER COLUMN LINE.
12. DEMOLISH THE TOP OF THE ARCH SECTION OF THE SOUTHERN BAY OF CELLS 20 THROUGH 24 BY SAW CUTTING INSIDE OF THE INTERNAL ROOF SUPPORT BRACING.
13. SAW CUT ALONG THE NORTHERN SIDE OF THE SERVICE COURT NO. 3 WALL TO REMAIN TO ISOLATE FILTERS 20 THROUGH 24 FROM THE SERVICE COURT NO. 3 WALL TO REMAIN.
14. BEGIN DEMOLITION OF THE FILTERS. SUGGESTED METHOD OF DEMOLITION WOULD BE TO KNOCK IN THE TOP OF THE FILTERS STARTING IN ONE CORNER AND THEN DEMOLISH OUTSIDE WALLS WORKING TOWARDS THE OTHER END OF THE STRUCTURE.
15. UTILIZE SLOPING DOWN FROM 1ST STREET NW AND NORTH CAPITOL STREET TO REMOVE FILTERS 20 AND 24.

JUNE 15, 2016

STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECITON 106.1.4.1 OF THE D.C. CONSTRUCTION CODES

PILE SCHEDULE - PACKAGE 2

PACKAGE	PILE NUMBER START	PILE NUMBER END	NUMBER OF PILES	LOCATION	PILE SIZE	PILE SPACING (FEET)	PILE CUTOFF ELEVATION (FEET)	PILE TIP ELEVATION (FEET)	PILE LENGTH (FEET)	TOP TIEBACK ELEVATION (FEET)	BOTTOM TIEBACK ELEVATION (FEET)	CELL BRACE REQUIRED
2	200	234	33	1ST STREET NW	HP12x53	8	171	146	25	-	-	No
2	235	330	96	NORTH SERVICE COURT	HP12x74	8	165	143	22	-	-	Yes
2	331	333	2	NORTH CAPITOL STREET	HP12x53	8	168	143	25	-	-	No
2	334	355	22	NORTH CAPITOL STREET	HP12x53	8	171	146	25	-	-	No

CAUTION!!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

MISS UTILITY

CALL DC ONE CALL "DOC" AT 1–800–257–7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF THE DISTRICT OF COLUMBIA CODES AND REGULATIONS.

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OFFICAL
GOVERNMENT OF THE DISTRICT OF COLUMBIA
PERMIT OPERATIONS DIVISION
PLANS APPROVED
Permit No. D1600814

- These plans are conditionally approved in accordance with any correction noted on the plans. The building permit is a license to construct in accordance with adopted codes and does not waive any code requirements, not noted during plan review.
- All work must be done in strict accordance here with and the approved plans must be kept on site. No inspection will be made if approved plans are not onsite.
- Issuance of permit does not prevent field inspections from ordering corrections to meet codes when issues are noted during inspection.
- No onsite changes to approved drawings. Changes or modifications to these plans require resubmittal with additional permit fees.
- This permit does not include approval for any work requiring a Supplemental Permit e.g. Electrical or Plumbing.

DISTRICT OF COLUMBIA
GIOVANNI ANTHONY BONITA
PE900650
REGISTERED PROFESSIONAL ENGINEER

MCMILLAN
SITE DEVELOPMENT PACKAGE
LOT 800; SQUARE 3128
WASHINGTON, DC

OWNER
DISTRICT OF COLUMBIA
Office of the Deputy Mayor for Planning & Economic Development
1350 Pennsylvania Ave. NW
Washington, DC 20004
Tel. (202) 727-6365

DEVELOPER
VISION McMILLAN PARTNERS
1508 U Street NW
Washington, DC 20009
Tel. (202) 462-1092

CONSULTANTS

ARCHITECT
PERKINS EASTMAN DC
1250 23rd Street NW
Suite 475
Washington, DC 20037
Tel. (202) 495-7430

LANDSCAPE ARCHITECT
NELSON BYRD WOLTZ
310 East Market Street
Charlottesville, VA 22902
Tel. (434) 984-1358

STRUCTURAL ENGINEER
SILMAN ASSOCIATES
1053 31st Street NW
Washington, DC 20007
Tel. (202) 333-6230

MEP ENGINEER
SETTY & ASSOCIATES INTERNATIONAL, PLLC
5185 MacArthur Boulevard NW
Suite 220
Washington, DC 20016
Tel. (202) 393-1523

LIGHTING DESIGN
STROIK LIGHTING DESIGN
1470 Waggaman Circle
McLean, VA 22101
Tel. (703) 829-0548

HISTORIC PRESERVATION
EHT TRACERIES
1121 5th Street NW
Washington, DC 20001
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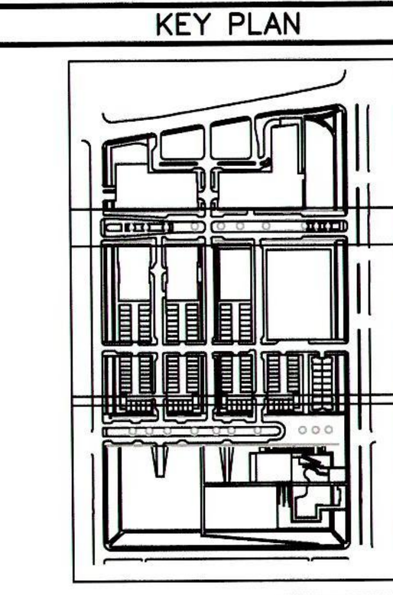
CIVIL ENGINEER
BOWMAN CONSULTING DC PC
888 17th Street NW
Suite 202
Washington, DC 20006
Tel. (202) 750-2474

SOE/GEOTECHNICAL ENGINEER
GEI CONSULTANTS
1620 I Street NW
Suite 800
Washington, DC 20006
Tel. (202) 828-9510

KEY PLAN



PLAN STATUS

NO.	DATE	DESCRIPTION

PL	TBM	GAB
DESIGN	DRAWN	CHKD

SCALE

JOB No. 6266–02–005

DATE 06/15/16

GENERAL NOTES & SEQUENCE PACKAGE 2

SHEET SOD002_2

GENERAL NOTES:

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11. INSTALL TEMPORARY CHAIN LINK SECURITY FENCING OUTSIDE OF EXCAVATIONS TO REPLACE ANY AREAS WHERE EXISTING SECURITY FENCING IS REMOVED TO FACILITATE THE WORK.
12. ALL SPECIAL INSPECTIONS REQUIRED BY THE DC BUILDING CODE SHALL BE PERFORMED.
13. ANY PERMITS REQUIRED FOR ROAD CLOSURES AND MANAGEMENT OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR.

TEMPORARY SLOPES

1. TEMPORARY SLOPES USED AS THE SOLE SHORING SYSTEM ADJACENT TO ROADWAYS AND SIDEWALKS SHALL NOT BE STEEPER THAN 2H:1V.
2. TEMPORARY JERSEY–STYLE VEHICLE BARRIERS SHALL BE INSTALLED AT THE TOP OF ALL SLOPES ADJACENT TO ROADWAYS AND SIDEWALKS EXCEEDING 3 FEET IN HEIGHT.
3. ALL SLOPES USED ADJACENT TO ROADWAYS AND SIDEWALKS AND ANY SLOPES THAT WILL REMAIN EXPOSED FOR DURATIONS EXCEED 3 MONTHS SHALL BE STABILIZED UTILIZING SEEDING, EROSION CONTROL MATS, OR REINFORCED POLYETHYLENE SHEETS TO PREVENT LOCALIZED EROSION OF SLOPES.

DESIGN CRITERIA

1. CONSTRUCTION EQUIPMENT IS NOT PERMITTED TO BE OPERATED ON TOP OF THE EMPTY FILTERS.
2. SEE SUPPORT OF EXCAVATION FOR DEMOLITION CALCULATION PACKAGE FOR SPECIFIC DESIGN INFORMATION AND SOIL DESIGN PARAMETERS.
3. STOCKPILING OF EXCAVATED SOIL OR CONCRETE DEBRIS ARE NOT PERMITTED BEHIND THE SUPPORT OF EXCAVATION WALLS OR AT THE TOP OF THE TEMPORARY SOIL SLOPES.

PROPOSED SEQUENCE OF DEMOLITION:

1. THE SUPPORT OF EXCAVATION SYSTEM PRESENTED ON THESE DRAWINGS ARE BASED ON THE SUGGESTED SUPPORT OF EXCAVATION SEQUENCE FOR DEMOLITION PROVIDED. MODIFICATIONS OF THIS SEQUENCE SHALL BE EVALUATED BY THE ENGINEER TO ENSURE THAT MODIFICATIONS TO THE SUPPORT OF EXCAVATION SYSTEM ARE NOT REQUIRED. THE SEQUENCE OF DEMOLITION OF THE FILTERS IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY ADJACENT STRUCTURES TO REMAIN.
3. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED.
4. CONDUCT DEMOLITION OPERATIONS AND THE REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
5. DO NOT CLOSE OR OBSTRUCT STREET, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
6. BEFORE COMMENCING ANY ALTERATION OR DEMOLITION WORK, SUBMIT FOR REVIEW BY THE OWNER, A SCHEDULE SHOWING THE COMMENCEMENT, THE ORDER, AND THE COMPLETION DATES FOR THE VARIOUS PARTS OF THIS WORK.
7. CONTRACTOR WILL TAKE FULL PRECAUTIONS TO PROTECT WORKMAN, PASSERSBY OR ANY OTHER PERSONS FROM FALLING DEBRIS AND OTHER HAZARDS OF DEMOLITION OPERATIONS.
8. CONTRACTOR WILL MAKE SUCH EXPLORATIONS AND PROBES AS ARE NECESSARY TO ASCERTAIN ANY REQUIRED PROTECTIVE MEASURES BEFORE PROCEEDING WITH DEMOLITION AND REMOVAL. GIVE PARTICULAR ATTENTION TO SHORING AND BRACING REQUIREMENTS AS TO PREVENT ANY DAMAGE TO EXISTING CONSTRUCTION.
9. CONSTRUCTION AND ADEQUACY OF THE SHORING SHALL BE THE ENTIRE RESPONSIBILITY OF THE CONTRACTOR.

CONSTRAINTS AND ASSUMPTIONS SPECIFIC TO PERMIT PACKAGE 3:

1. THE SERVICE COURT NO. 3 WALLS MUST REMAIN IN PLACE DURING AND AFTER DEMOLITION.
2. SERVICE COURT NO. 3 MUST REMAIN OPEN TO VEHICULAR TRAFFIC DURING DEMOLITION.
3. THE SAND BINS, REGULATOR HOUSES, AND SAND WASHER STRUCTURES MUST NOT BE DAMAGED DURING DEMOLITION.
4. NORTH CAPITOL STREET AND 1ST STREET NW MUST NOT BE DAMAGED DURING THE DEMOLITION WORK.
5. 1ST STREET NW IS CURRENTLY CLOSED TO THE PUBLIC AND WILL REMAIN CLOSED DURING DEMOLITION, BUT CAN BE USED FOR THE INSTALLATION OF THE SHORING SYSTEM REQUIRED FOR DEMOLITION.
6. EASTERN AND SOUTHERN EXTERIOR WALLS OF CELLS 25 AND 26 WILL BE COMPLETELY REMOVED BY SKANSKA AND ARE NOT A PART OF THIS DEMOLITION PACKAGE. AS A RESULT, THIS DEMOLITION PACKAGE WILL NOT INCLUDE ANY WORK ASSOCIATED WITH CELLS 25 AND 26.
7. SKANSKA WILL RESTORE THE SITE GRADE IN THE FOOTPRINT OF CELLS 25 AND 26 BACK TO ELEVATION 170 FEET PRIOR TO COMMENCEMENT OF WORK IN THIS DEMOLITION PACKAGE.
8. CELLS 27 AND 29 WILL BE FULLY DEMOLISHED AS A PART OF THIS DEMOLITION PACKAGE.
9. CELL 28 WILL BE PARTIALLY DEMOLISHED. THE PORTION THAT WILL REMAIN WILL BE LEFT IN A STATE TO ALLOW FOR THE PRESERVATION WORK TO BE PERFORMED BY OTHERS AT A LATER DATE. THIS PRESERVATION WORK IS NOT INCLUDED AS PART OF THIS PROJECT.

PROPOSED SUPPORT OF EXCAVATION SEQUENCE FOR DEMOLITION FOR PERMIT PACKAGE 3:

1. INSTALL VERTICAL REINFORCING IN THE WALLS TO REMAIN ALONG SERVICE COURT NO. 3.
2. INSTALL TEMPORARY BRACING WITHIN ENTRANCE RAMP PORTALS ALONG SERVICE COURT NO. 3.
3. INSTALL LATERAL BRACING TO SUPPORT THE ENTRANCE RAMP PORTALS ALONG SERVICE COURT NO. 3 TO AN ANCHOR BLOCK LOCATED ON THE SERVICE COURT ROADWAY.
4. INSTALL INTERNAL BRACING OF ROOF ARCH IN NORTHERN BAY OF FILTERS 27 THROUGH 29.
5. INSTALL VERTICAL BRACING WITHIN ALL BAYS TO REMAIN IN PLACE WITHIN FILTER 28 TO SUPPORT ROOF ARCHES. INSTALL SAME VERTICAL BRACING IN THE NEXT BAY ADJACENT TO THE BAYS TO REMAIN IN PLACE. MARK LIMITS OF THE INTERNAL VERTICAL SUPPORTS ON THE TOP SURFACE OF THE GROUND.
6. EXCAVATE SOIL FROM THE SOUTH SIDE OF THE SOUTHERN EXTERIOR WALL OF FILTER 28, AND THEN 27 AND 29.
7. EXCAVATE SOIL FROM THE TOP OF FILTER 28 ENTIRE AREA THAT IS INTERNALLY SUPPORTED UTILIZING SMALL CONSTRUCTION EQUIPMENT.
8. SAW CUT THE ROOF ALONG THE OUTSIDE OF ENTIRE AREA THAT IS INTERNALLY SUPPORTED TO ISOLATE FILTER 28 AREA TO REMAIN FROM REMAINDER OF FILTERS TO BE DEMOLISHED.
9. WITH AN EXCAVATOR OPERATING ON SERVICE COURT NO. 3, REMOVE SOIL ALONG THE TOP OF THE NORTHERN BAY OF FILTERS 27 THROUGH 29 FOR A WIDTH OF 14 FEET TO THE NEXT INTERIOR PIER COLUMN LINE.
10. DEMOLISH THE TOP OF THE ARCH SECTION OF THE NORTHERN BAY OF FILTERS 27 THROUGH 29 BY SAW CUTTING INSIDE OF THE INTERNAL ROOF SUPPORT BRACING.
11. SAW CUT ALONG THE SOUTHERN SIDE OF THE SERVICE COURT WALL TO REMAIN TO ISOLATE FILTERS 27 THROUGH 29 FROM THE SERVICE COURT WALL TO REMAIN.
12. BEGIN DEMOLITION OF THE REMAINDER OF FILTERS. SUGGESTED METHOD OF DEMOLITION WOULD BE TO KNOCK IN THE TOP OF THE FILTERS STARTING IN ONE CORNER AND THEN DEMOLISH OUTSIDE WALLS WORKING TOWARDS THE OTHER END OF THE STRUCTURE.
13. UTILIZE SLOPING DOWN FROM 1ST STREET NW, NORTH CAPITOL STREET, AND CHANNING STREET NW TO REMOVE CELLS 27 AND 29. SLOPING WILL ALSO BE REQUIRED WITHIN CELL 26 THAT WAS PREVIOUSLY FILLED BY SKANSKA TO ALLOW FOR DEMOLITION OF WESTERN DIVIDING WALL OF CELL 27.
14. LEAVE VERTICAL BRACING IN PLACE WITHIN BAYS TO REMAIN IN FILTER 28.

CAUTION!!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

MISS UTILITY

CALL DC ONE CALL "DOC" AT 1–800–257–7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF THE DISTRICT OF COLUMBIA CODES AND REGULATIONS.

Cad file name: X:\2015\1517010 – Vision McMillan Reservoir\CAD\Design\Working\Design Packages\Package 3\SOD002_3 – General Notes_Pk 3.dwg 6/14/2016

JUNE 15, 2016

STRUCTURAL PLANS CERTIFIED AS PROVIDED IN SECITON 106.1.4.1 OF THE D.C. CONSTRUCTION CODES

OFFICAL
GOVERNMENT OF THE DISTRICT OF COLUMBIA
PERMIT OPERATIONS DIVISION
PLANS APPROVED
Permit No. D1600814

- These plans are conditionally approved in accordance with any correction noted on the plans. The building permit is a license to construct in accordance with adopted codes and does not waive any code requirements not listed during plan review.
- All work must be done in strict accordance here with and the approved plans must be kept on site. No inspection will be made if approved plans are not onsite.
- Issuance of permit does not prevent field inspections from ordering corrections to meet codes when issues are noted during inspections.
- No onsite changes to approved drawings. Changes or modifications to these plans require resubmittal with additional permit fees.
- This permit does not include approval for any work requiring a Supplemental Permit e.g. Electrical or Plumbing.

DISTRICT OF COLUMBIA
GIOVANNI ANTHONY BONIA
PE900050
REGISTERED PROFESSIONAL ENGINEER
06/15/16

MCMILLAN
SITE DEVELOPMENT PACKAGE
LOT 800; SQUARE 3128
WASHINGTON, DC

OWNER
DISTRICT OF COLUMBIA
Office of the Deputy Mayor for Planning & Economic Development
1350 Pennsylvania Ave. NW
Washington, DC 20004
Tel. (202) 727-6365

DEVELOPER
VISION McMILLAN PARTNERS
1508 U Street NW
Washington, DC 20009
Tel. (202) 462-1092

CONSULTANTS

ARCHITECT
PERKINS EASTMAN DC
1250 23rd Street NW
Suite 475
Washington, DC 20037
Tel. (202) 495-7430

LANDSCAPE ARCHITECT
NELSON BYRD WOLTZ
310 East Market Street
Charlottesville, VA 22902
Tel. (434) 984-1358

STRUCTURAL ENGINEER
SILMAN ASSOCIATES
1053 31st Street NW
Washington, DC 20007
Tel. (202) 333-6230

MEP ENGINEER
SETTY & ASSOCIATES INTERNATIONAL, PLLC
5185 MacArthur Boulevard NW
Suite 220
Washington, DC 20016
Tel. (202) 393-1523

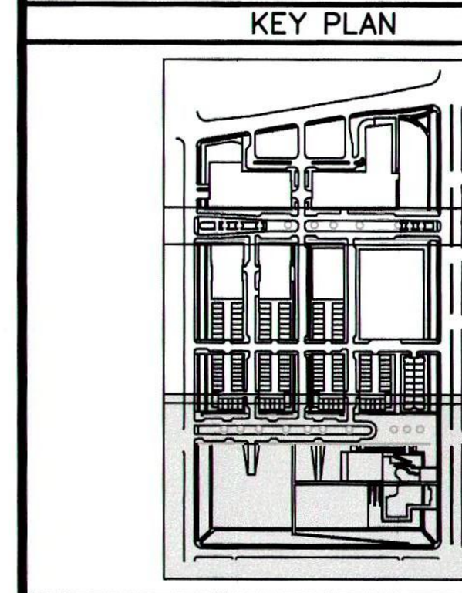
LIGHTING DESIGN
STROIK LIGHTING DESIGN
1470 Waggaman Circle
McLean, VA 22101
Tel. (703) 829-0548

HISTORIC PRESERVATION
EHT TRACERIES
1121 5th Street NW
Washington, DC 20001
Tel. (202) 393-1199

CIVIL ENGINEER
BOWMAN CONSULTING DC PC
888 17th Street NW
Suite 202
Washington, DC 20006
Tel. (202) 750-2474

SOE/GEOTECHNICAL ENGINEER
GEI CONSULTANTS
1620 I Street NW
Suite 800
Washington, DC 20006
Tel. (202) 828-9510

KEY PLAN



PLAN STATUS

NO.	DATE	DESCRIPTION

DESIGN	DRAWN	CHKD
PL	TBM	GAB

SCALE

JOB No. 6266–02–005

DATE 06/15/16

GENERAL NOTES & SEQUENCE PACKAGE 3

SHEET SOD002_3