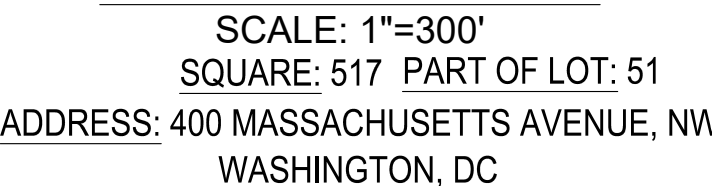


A


MISS UTILITY
1-800-257-7777
missutility.net

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



PROPOSED PROJECT:
THE PROJECT PROPOSES TO ADD A NEW PLAYGROUND SET TO EACH FENCED IN AREA. THE AREA SURROUNDING THE NEW PLAYGROUNDS WILL REMAIN GREENSPACE.

DOE:
EROSION AND SEDIMENT CONTROL WILL BE ACHIEVED THROUGH THE USE OF FILTER SOCK AND INLET PROTECTION. THE SITE ALSO INCLUDES TREE PROTECTION FENCING. THE TOTAL PROPOSED DISTURBANCE AREA FOR THE PROJECT IS BELOW 5,000 SF SO NO STORMWATER MANAGEMENT PLAN IS REQUIRED.

CIV0001	NOTES, LEGEND AND ABBREVIATIONS
CIV0101	EXISTING CONDITIONS PLAN
CIV0102	DEMOLITION PLAN
CIV0103	EROSION AND SEDIMENT CONTROL PLAN
CIV0104	EROSION AND SEDIMENT CONTROL NOTES
CIV0105	SITE PLAN
CIV0502	SITE DETAILS

SEWER/WATER:	D.C. WATER 5000 OVERLOOK AVE. SW 5TH FLOOR WASHINGTON, DC 20032	-DEXTER HOLMES (202) 787-4024
ELECTRICITY:	PEPCO 701 9TH STREET NW, ROOM 6005 WASHINGTON, DC 20068	-SARA BISHOP (202) 872-2977
GAS:	SPRINGFIELD GAS CO. 6802 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 20904	-MARY POLK (301) 282-2463

655 New York Avenue, NW
Washington DC, 20001

400 Massachusetts Avenue, NW
Playground

No.	Date	Issue/Revision
Designed By: MK	Drawn By: DR	Checked By: MS
Project No.: 24-023		Date: 06/07/2024

Notes, Legend and Abbreviations

CIV0001



400 Massachusetts Avenue NW



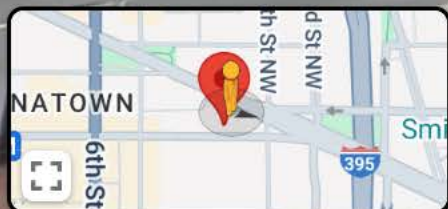
Washington, District of Columbia



Google Street View

Oct 2018

[See more dates](#)



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Image capture: Oct 2018

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400 Massachusetts Avenue NW



400 Massachusetts Ave NW

Washington, District of Columbia



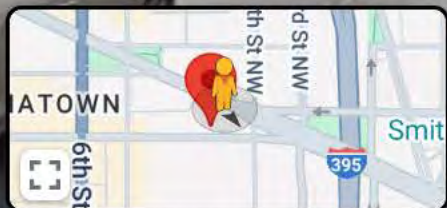
Google Street View

Jun 2023

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400 Massachusetts Avenue NW



400 Massachusetts Ave NW

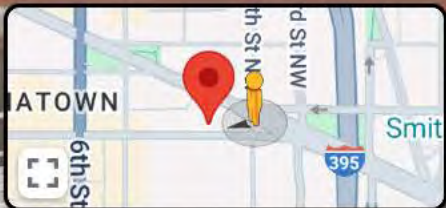
Washington, District of Columbia



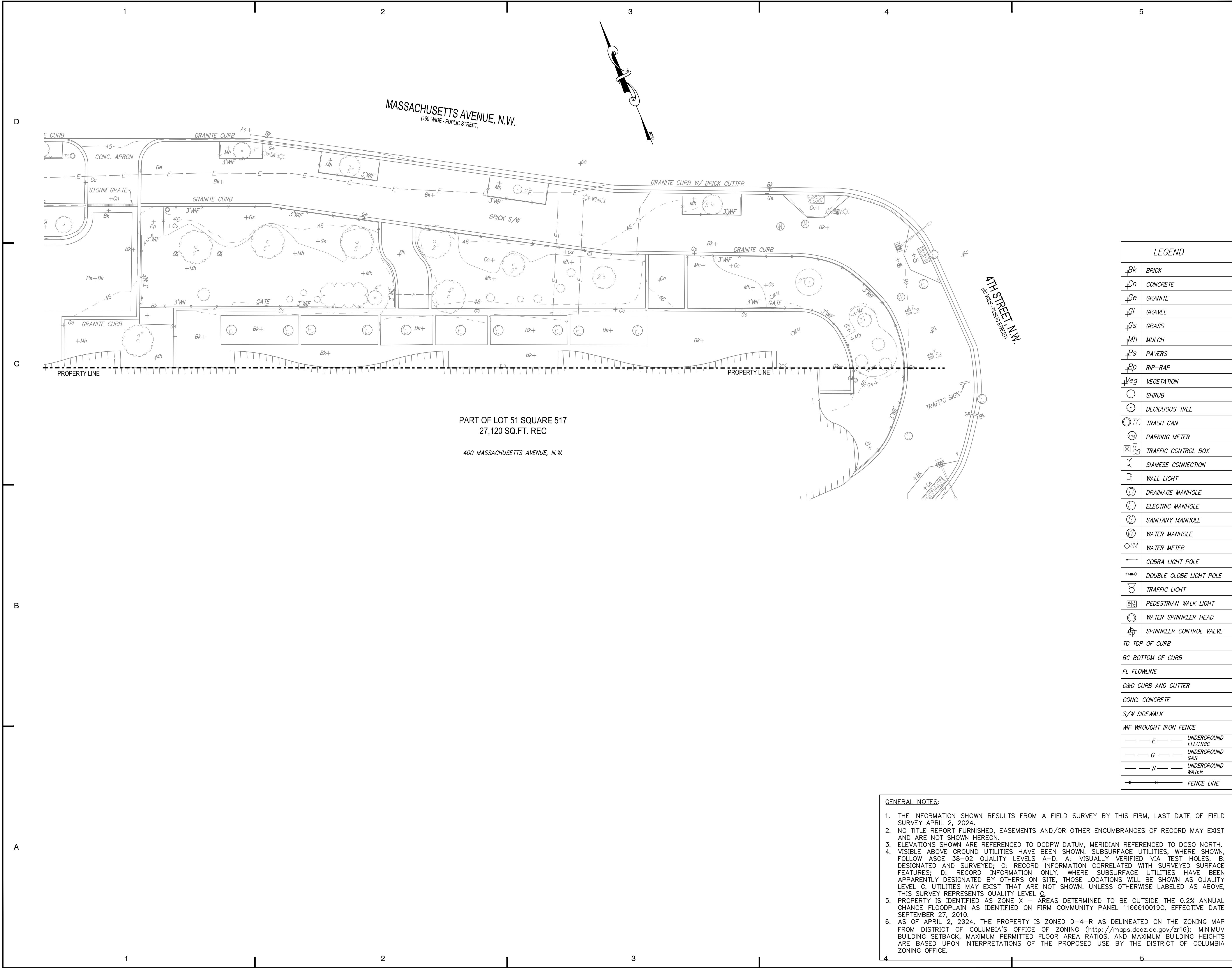
Google Street View

Jun 2023

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CIVIL | LANDSCAPE ARCHITECTURE | SURVEY
Planning, Engineering, Surveying & Landscape Architecture
510 8th Street, SE, Washington, DC 20003
(T) 202-638-4040 www.WM-DC.com

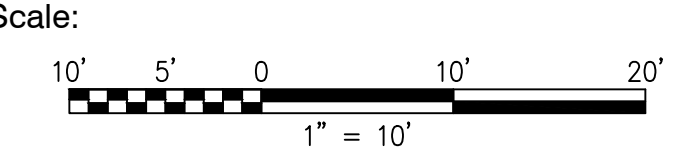


Client:
Douglas Development Corporation
655 New York Avenue, NW
Washington DC, 20001

Project:
**400 Massachusetts Avenue, NW
Playground**

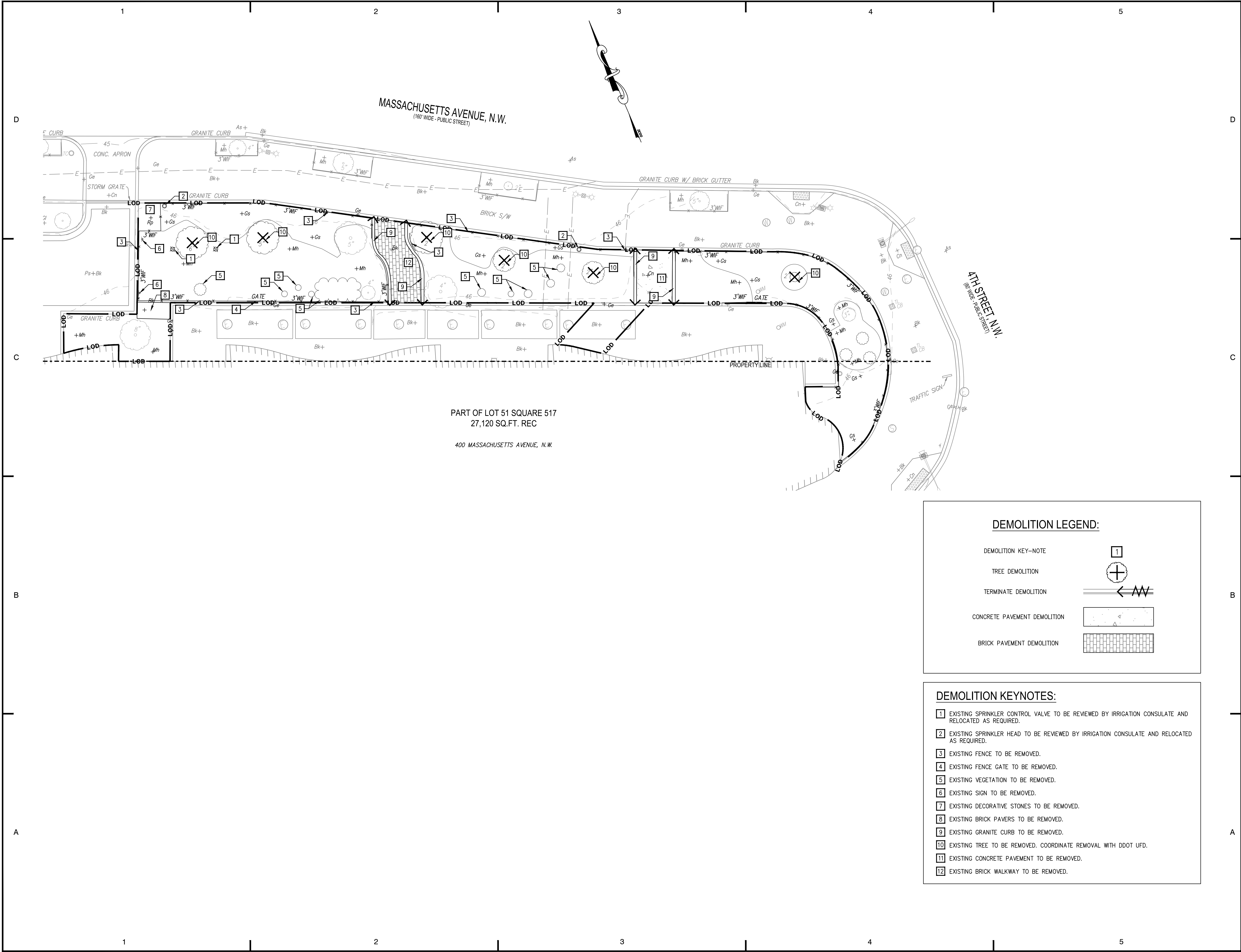
No.	Date	Issue/Revision
Designed By: MK	Drawn By: DR	Checked By: MS

Project No.: 24-023 Date: 06/07/2024



Sheet Title:
Existing Conditions

Sheet No.:
CIV0101



DEMOLITION LEGEND:

DEMOLITION KEY-NOTE	1
TREE DEMOLITION	
TERMINATE DEMOLITION	
CONCRETE PAVEMENT DEMOLITION	
BRICK PAVEMENT DEMOLITION	

DEMOLITION KEYNOTES:

- 1 EXISTING SPRINKLER CONTROL VALVE TO BE REVIEWED BY IRRIGATION CONSULATE AND RELOCATED AS REQUIRED.
- 2 EXISTING SPRINKLER HEAD TO BE REVIEWED BY IRRIGATION CONSULATE AND RELOCATED AS REQUIRED.
- 3 EXISTING FENCE TO BE REMOVED.
- 4 EXISTING FENCE GATE TO BE REMOVED.
- 5 EXISTING VEGETATION TO BE REMOVED.
- 6 EXISTING SIGN TO BE REMOVED.
- 7 EXISTING DECORATIVE STONES TO BE REMOVED.
- 8 EXISTING BRICK PAVERS TO BE REMOVED.
- 9 EXISTING GRANITE CURB TO BE REMOVED.
- 10 EXISTING TREE TO BE REMOVED. COORDINATE REMOVAL WITH DDOT UFD.
- 11 EXISTING CONCRETE PAVEMENT TO BE REMOVED.
- 12 EXISTING BRICK WALKWAY TO BE REMOVED.

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Seal:

Client:

Douglas Development Corporation

655 New York Avenue, NW
Washington DC, 20001

Project:

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Playground

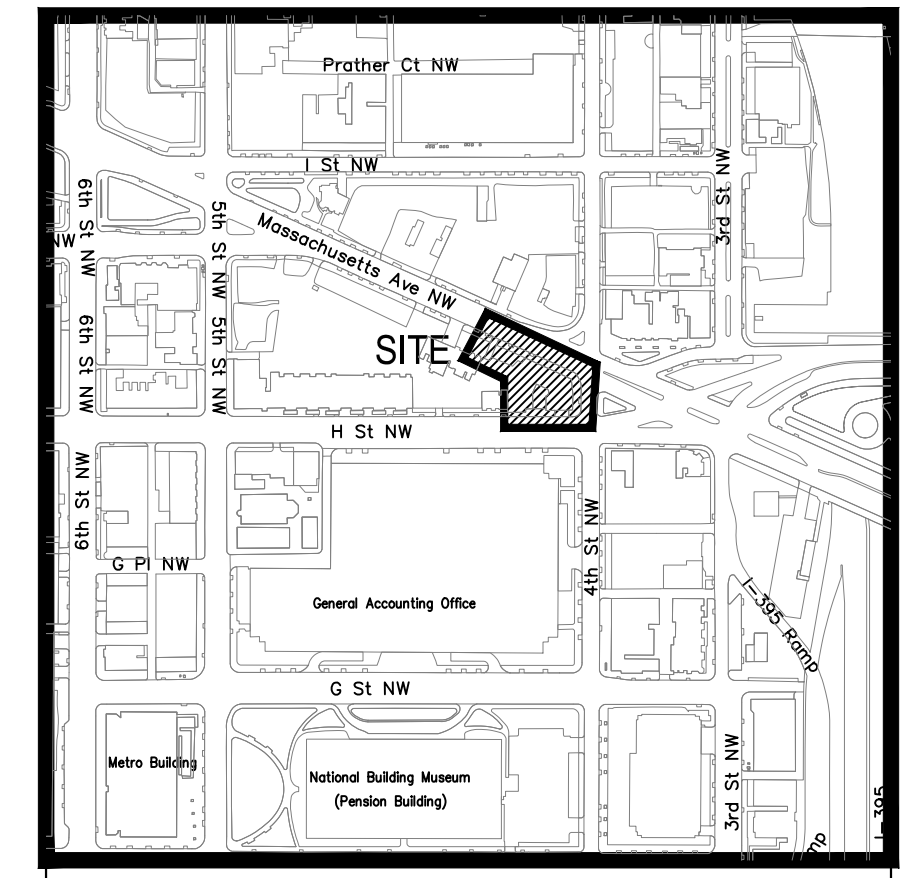
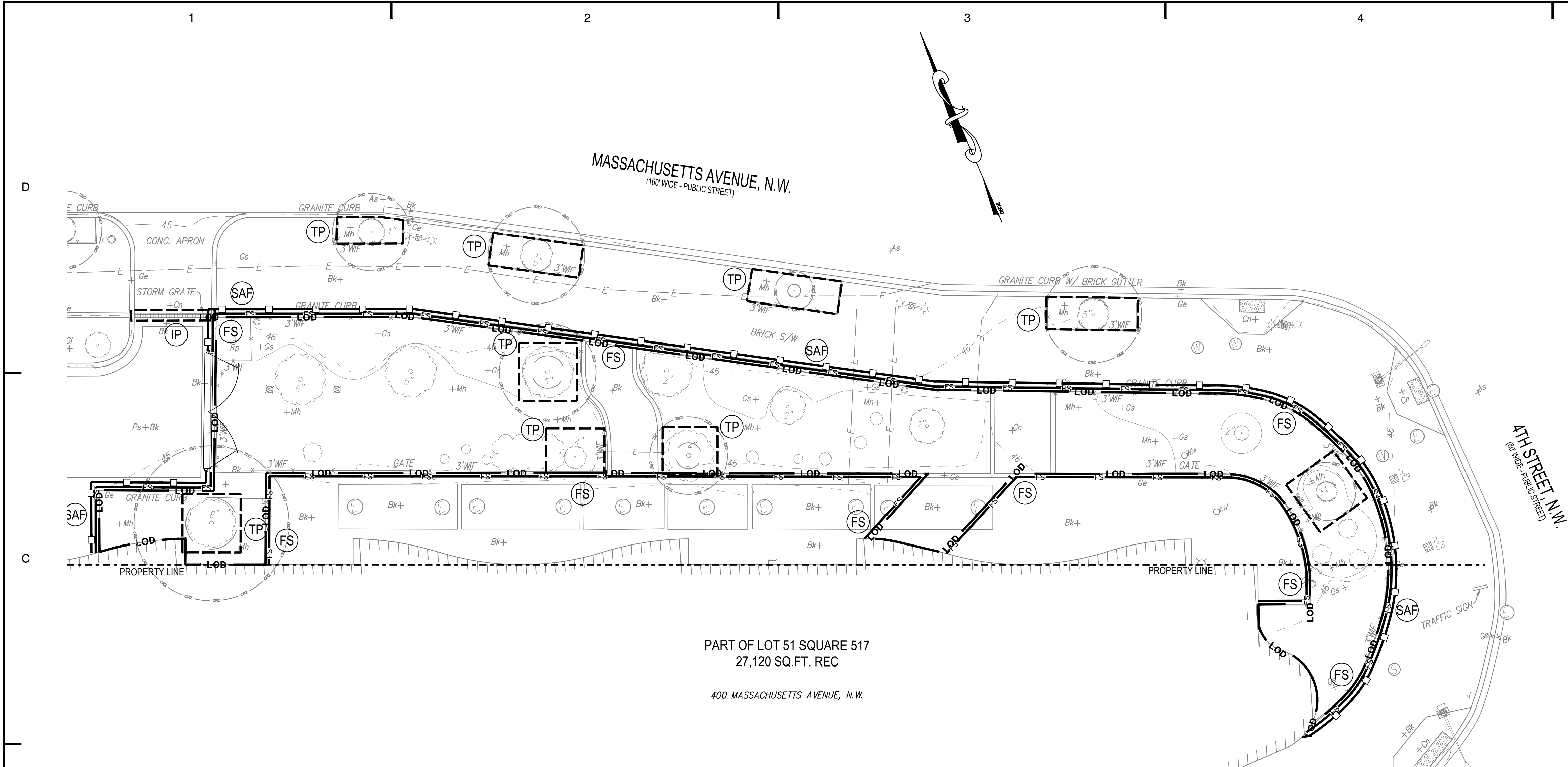
No.	Date	Issue/Revision
Designed By: MK	Drawn By: DR	Checked By: MS
Project No.: 24-023		Date: 06/07/2024
Scale:		

Sheet Title:

Demolition Plan

Sheet No.:

CIV0102



VICINITY MAP
SCALE: 1"=400'
SQUARE: 517 PART OF LOT: 51
ADDRESS: 400 MASSACHUSETTS AVENUE, NW

LEGEND		PROPOSED
FILTER SOCK	— FS —	(FS)
SAFETY FENCE	— SAF —	(SAF)
INLET PROTECTION	— IP —	(IP)
APPROXIMATE LIMIT OF DISTURBANCE	— LOD —	(LOD)
TREE PROTECTION	— TP —	(TP)

PART OF LOT 51 SQUARE 517
27,120 SQ.FT. REC

400 MASSACHUSETTS AVENUE, N.W.

ENFORCEMENT OF SIGNAGE REQUIREMENT FOR PROJECTS REQUIRING EROSION AND SEDIMENT CONTROL PLANS:
ALL CONSTRUCTION PROJECTS REQUIRING SOIL EROSION AND SEDIMENT CONTROL (ESC) PLANS MUST POST A DISTRICT-APPROVED SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DOEE IN THE EVENT OF EROSION OR OTHER POLLUTION FROM THE SITE. DOEE HAS INCREASED ITS ENFORCEMENT EFFORTS FOR THIS REQUIREMENT. A LIMITED NUMBER OF PRE-PRINTED SIGNS IS AVAILABLE AT THE DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS AND WILL BE ISSUED AT NO CHARGE WITH APPROVED SOIL EROSION AND SEDIMENT CONTROL PLANS ON A FIRST COME, FIRST SERVED BASIS. AN ELECTRONIC COPY OF THE DISTRICT APPROVED SIGN IS AVAILABLE AT [HTTP://DOEE.DC.GOV/ESC](http://doee.dc.gov/esc).

LAND DISTURBANCE ACTIVITY NOTE:
A PERSON RESPONSIBLE FOR LAND DISTURBANCE IS TO BE PRESENT OR AVAILABLE AT ALL TIMES WHILE SITE IS IN A PHASE INVOLVING LAND DISTURBING ACTIVITY. THE RESPONSIBLE PERSON IS RESPONSIBLE FOR INSPECTION OF THE SITE, EROSION & SEDIMENT CONTROL MEASURES WEEKLY AND AFTER RAINFALL EVENTS. AVAILABILITY TO RESPOND TO POTENTIAL EROSION PROBLEMS AS THEY OCCUR AND AVAILABILITY TO SPEAK ONSITE WITH DOEE TO REMEDY POTENTIAL PROBLEMS. THE RESPONSIBLE PERSON IS TO HAVE AVAILABLE ONSITE PROOF OF PROFESSIONAL LICENSING OR OF SUCCESSFUL COMPLETION OF A DEPARTMENT APPROVED TRAINING PROGRAM IN COMPLIANCE OF RESPONSIBLE PERSON DESIGNATION.

EROSION AND SEDIMENT CONTROL NARRATIVE:
EROSION AND SEDIMENT CONTROL WILL BE ACHIEVED THROUGH THE USE OF FILTER SOCK, TREE PROTECTION, AND INLET PROTECTION. THE SITE WILL ALSO INCLUDE SAFETY FENCE FOR SITE PROTECTION. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE IMPLEMENTED PRIOR TO DEMOLITION TO ENSURE ADEQUATE PROTECTION DURING THE DEMOLITION AND REMOVAL OF WASTE MATERIALS. ALL DEMO MATERIALS WILL BE TAKEN TO AN OFF-SITE DESIGNATED DUMPING AREA VIA DUMP TRUCKS OR DUMPSTERS.

- NOTES:**
- CONTACT DOEE INSPECTION AT 202-535-2977 TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST THREE (3) BUSINESS DAYS BEFORE COMMENCEMENT OF LAND DISTURBING ACTIVITY.
 - TEMPORARY CONSTRUCTION FENCE TO BE ADJUSTED PER THE CONTRACTORS PHISING OF WORK.
 - LIMITS OF DISTURBANCE, CONSTRUCTION FENCE, AND SEDIMENT EROSION CONTROL FEATURES SHOWN OFFSET FROM EACH OTHER FOR CLARITY. LOD, FENCE, AND SEDIMENT CONTROL FEATURES TO BE INSTALLED IN THE FIELD AT THE LOD LINE IN LOCATIONS WHERE THESE FEATURES ARE PARALLEL TO EACH OTHER.
 - REFER TO THE 2017 DOEE EROSION AND SEDIMENT CONTROL MANUAL FOR ADDITIONAL CONSTRUCTION SPECIFICATIONS FOR EACH ESC MEASURE.
 - DUE TO THE SIZE OF THE SITE AND SCOPE OF THE WORK, DOEE STANDARD STABILIZED CONSTRUCTION ENTRANCE AND STOCKPILE ARE NOT FEASIBLE. THE MOVEMENT OF CONSTRUCTION MATERIALS MUST BE COORDINATED WITH DOEE INSPECTOR BEFORE THE START OF CONSTRUCTION.
 - CONTACT THE WARD ARBORIST AS SOON AS POSSIBLE BEFORE CONSTRUCTION BEGINS TO DISCUSS TREE REMOVAL AND PROTECTION MEASURES. THE WARD ARBORIST FOR THIS PROPERTY IS ALEXANDER GRIEVE, AND THEIR CONTACT INFORMATION IS alexander.grieve@dc.gov OR (202) 368-3322.

DESCRIPTION OF PREDOMINANT SOIL TYPE:

DISTRICT OF COLUMBIA (DC001)			
MAP UNIT SYMBOL	MAP UNIT NAME	ACRES IN AOI	PERCENT OF AOI
Ub	Urban Land	0.1	100.0%
TOTAL FOR AREA OF INTEREST		0.1	100.0%

TOTAL SITE AREA:
TOTAL SITE AREA: 3,881 SF / 0.089 AC

TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION:
TOTAL AREA OF EXCAVATION: 1,669 SF / 0.038 AC
VOLUME OF CUT: (1,669) SQ.FT. (AREA) X (1.5) FEET (DEPTH)
27

VOLUME OF CUT: (93) cy +/-

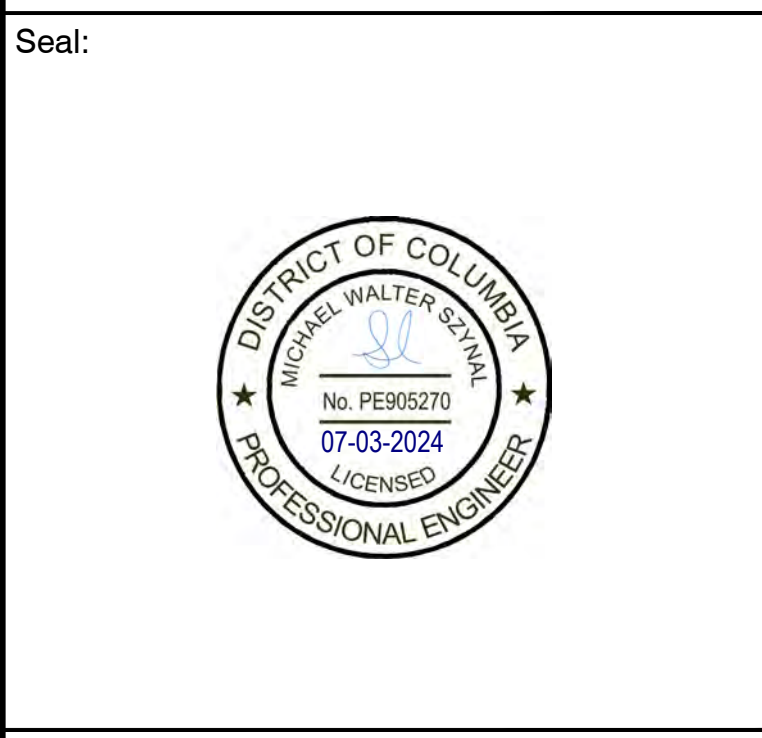
TOTAL VOLUME OF CUT /FILL FOR UTILITIES:
TOTAL AREA OF EXCAVATION: 0 SF / 0 AC
VOLUME OF CUT: (0) SQ.FT. (AREA) X (0) FEET (DEPTH)
27

VOLUME OF CUT AND FILL: (0) cy +/-

TOTAL AREA OF DISTURBANCE:
TOTAL AREA OF DISTURBANCE: 3,881 SQUARE FEET OR 0.089 AC

CONSTRUCTION DATES:
THE PROPOSED WORK DUE TO COMMENCE AUGUST 2024 AND IS ANTICIPATED TO TAKE APPROXIMATELY 1 MONTH.
EXACT BEGINNING AND END OF CONSTRUCTION IS TO BE ESTABLISHED BY THE OWNER.

UFA NOTE
NEIGHBORING TREES MUST ALSO BE PROTECTED AS PER THE TREE CANOPY PROTECTION AMENDMENT ACT OF 2016. VIOLATION OF THIS LAW IS SUBJECT TO A FINE OF NOT LESS THAN \$350 PER INCH CIRCUMFERENCE. CONTACT DDOT ARBORIST ALEXANDER GRIEVE, alexander.grieve@dc.gov OR (202) 368-3322 FOR ANY TREE RELATED CONFLICTS.



Client:
Douglas Development Corporation
655 New York Avenue, NW
Washington DC, 20001

Project:
**400 Massachusetts Avenue, NW
Playground**

No.	Date	Issue/Revision
Designed By: MK	Drawn By: DR	Checked By: MS
Project No.: 24-023		Date: 06/07/2024
Scale: 10' 5' 0 10' 20' 1" = 10'		

Sheet Title:
Erosion and Sediment Control Plan

Sheet No.:
CIV0103

THIS SHEET IS TO BE USED FOR SEDIMENTATION AND EROSION CONTROL PURPOSES ONLY

TREE PROTECTION AND REPLACEMENT NOTES:

A. DESCRIPTION:
 WORK UNDER THIS ITEM INCLUDES PROVIDING PROTECTION FOR EXISTING TREES WITHIN THE PROJECT LIMITS DURING CONSTRUCTION OPERATIONS. WORK SHALL INCLUDE PROTECTION BY FENCING OF ALL TREES, PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND SLOPES GREATER THAN THREE (3) HORIZONTAL TO ONE (1) VERTICAL (3:1); AND FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THESE REQUIREMENTS DO NOT APPLY TO AREAS SHOWN ON THE PLAN THAT ARE USED FOR MATERIAL, STORAGE OTHER THAN STOCKPILING, OR FOR THOSE AREAS ON THE PLAN WHERE ACTUAL CONSTRUCTION ACTIVITIES ARE BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY SO THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE DISTRICT OF COLUMBIA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (ESC). [21 DCMR § 542.9 (O)]

B. METHODS AND MATERIALS:
 PROTECTION FROM DAMAGE CAUSED BY THE CONTRACTOR'S EQUIPMENT OR CARELESSNESS SHALL CONSIST OF THE FOLLOWING METHODS AND MEASURES: ALL TREES TO BE PRESERVED SHALL BE PROTECTED AGAINST DAMAGE DURING CONSTRUCTION OPERATIONS BY FENCING. THE TREE PROTECTION FENCING SHALL BE PLACED BEFORE ANY EXCAVATION OR GRADING HAS COMMENCED. DETAILS OF THE MINIMUM ACCEPTABLE TREE PROTECTION ARE SHOWN IN THE CONTRACT DOCUMENTS. NO EQUIPMENT, TRAILERS OR MATERIALS MAY BE PLACED WITHIN THE DRIP LINE OF EXISTING TREES TO BE RETAINED WITHIN THE PROJECT LIMITS WITH THE EXCEPTION OF PAVED AREAS OR AREAS TO BE PAVED. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR UNDER THE DIRECTION OF AN ARBORIST FROM THE DISTRICT'S URBAN FORESTRY ADMINISTRATION. IF ANY TREES NOT DESIGNATED TO BE REMOVED ARE SEVERELY INJURED OR KILLED BY THE CONTRACTOR'S OPERATIONS FOR ANY REASON, THEY SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT, OR BY PAYMENT IN LIQUIDATED DAMAGES ACCORDING TO THE FOLLOWING SCHEDULE:

– \$200 PER INCH OF DIAMETER
 – THE DIAMETER OF THE TREE TRUNK SHALL BE MEASURED BREAST HIGH (4 TO 5 FEET) ABOVE THE GROUND. REPLACEMENT SHALL BE DONE ON A DBH INCH PER DBH INCH BASIS (1 DBH INCH OF REPLACEMENT TREES PER DBH INCH OF DAMAGED TREES). TREES REPLACED IN KIND SHALL BE PLANTED IN ACCORDANCE WITH 608.02. THE ENGINEER SHALL BE SOLELY RESPONSIBLE FOR DETERMINING WHETHER OR NOT A GIVEN INJURY IS SUFFICIENT TO WARRANT REPAIR, REPLACEMENT OR MONETARY COMPENSATION BY THE CONTRACTOR. MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS:
 TREE PROTECTION FENCING: TREE PROTECTION FENCING SHALL CONSIST OF 6 FOOT TALL CHAIN LINK FENCE MATERIALS. FENCING SHALL PROTECT AN AREA NO SMALLER THAN 9 FOOT X 4 FOOT.

C. MEASURE AND PAYMENT:
 THE UNIT OF MEASURE WILL BE EACH. NO DIRECT MEASURE WILL BE TAKEN. PAYMENT FOR TREE PROTECTION AND REPLACEMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR TREE PROTECTION. WHEN PAYMENT WILL INCLUDE ALL LABOR, TOOLS, MATERIALS, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE REQUIRED WORK. NO PAYMENT WILL BE MADE FOR REPAIR AND REPLACEMENT IN KIND FOR TREES DAMAGED OR KILLED DUE TO THE CONTRACTOR'S OPERATIONS. THIS WORK WILL BE PERFORMED AT THE SOLE EXPENSE OF THE CONTRACTOR.

TREE ROOT PROTECTION:

A. DESCRIPTION:
 THIS WORK INCLUDES PRECAUTIONS TO BE TAKEN WHILE PERFORMING UTILITY TRENCHING, ROADWAY WORK, SIDEWALK, AND CURB INSTALLATION. WORK ALSO INCLUDES FURNISHING AND PLACEMENT OF PREPARED PLANTING SOIL MIX AND FERTILIZER (FERTILIZER IS NOT NEEDED UNLESS AN ELEMENT IS DEFICIENT) BACKFILL AROUND EXPOSED AND DISTURBED ROOTS, AND THE DISPOSAL OF EXCESS MATERIALS, BRANCHES AND DEBRIS.

B. CONSTRUCTION METHODS:
 CONSTRUCTION OPERATIONS ADJACENT TO EXISTING TREES SHALL BE PERFORMED IN ACCORDANCE WITH 608.07(B) TO PREVENT TRUNK, CROWN, AND ROOT DAMAGE. TREE ROOTS SHALL NOT BE CUT UNLESS SPECIFICALLY AUTHORIZED BY THE DEPARTMENT OF TRANSPORTATION'S URBAN FORESTRY ADMINISTRATION. IF AUTHORIZED, PRUNING SHALL BE PERFORMED UNDER THEIR SUPERVISION. IN ACCORDANCE WITH 107.12 AND 608.04(B), OR BY A CERTIFIED ARBORIST MEETING THEIR APPROVAL. WHEN AUTHORIZED BY THE ENGINEER, THE CONTRACTOR MAY CUT MINOR ROOTS (LESS THAN 2 INCHES IN DIAMETER) WITH HIS OWN FORCES. WHEN TRENCHING OR WHEN OLD CURB, GUTTER, OR SIDEWALK IS REMOVED, DAMP BURLAP SHALL BE PLACED OVER EXPOSED ROOTS AND KEPT DAMP AT ALL TIMES UNTIL THE NEW WORK IS PLACED. TRENCH EXCAVATION SHALL FOLLOW 207.03 TO AVOID ROOT DAMAGE TO ROOTS LARGER THAN 2 INCHES IN DIAMETER. EXPOSED OR CUT ROOTS SHALL BE BACKFILLED WITH PREPARED FERTILIZER-ENRICHED PLANTING SOIL MIX TO ENCOURAGE ROOT GROWTH. (FERTILIZER IS NOT NEEDED UNLESS AN ELEMENT IS SHOWN TO BE DEFICIENT.)

IN ALL OPERATIONS INVOLVING UTILITY TRENCHING, THE WORK SHALL BE PERFORMED AS PER 207.03. WHENEVER POSSIBLE, ROOT CUTTING SHALL BE AVOIDED. NO PART OF THE ROOT BALL SHALL BE TRENCHED. UTILITY TRENCHING SHALL NOT BE ALLOWED IF TREE ROOTS ARE WITHIN THE TRENCH AREA DETERMINED AS THE DRIP-LINE OF THE TREE. THESE EXCAVATIONS SHALL BE AUGURED OR TUNNELED, AS NECESSARY, TO PREVENT ROOT CUTTING. IN CURB INSTALLATIONS, IT IS RECOMMENDED THAT CURBING BE BRIDGED ACROSS THE LENGTH OF THE TREE SPACE, WITHOUT A DRY MIX BACKING BLOCK, IN ORDER TO AVOID ANY TRENCHING EXCAVATION IN THE VICINITY OF THE ROOTS. THE LENGTH OF CURBING PLACED ADJACENT TO THE LENGTH OF THE TREE SPACE SHALL THEN BE DOWELED OR PINNED TO THE STANDARD CURB CONSTRUCTION OUTSIDE THE TREE SPACE.

TREES LOCATED ADJACENT TO CONSTRUCTION WORK SHALL BE WATERED AT TEN (10) DAY INTERVALS THROUGHOUT THE GROWING SEASON. THE CONTRACTOR SHALL SUPPLY WATERING BAGS OF SAME TYPE THAT ARE SOLD IN THE INDUSTRY AND FILL THEM ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS OR AT A MINIMUM KEEPING THE BAG FULL DURING THE GROWING SEASON. NO EQUIPMENT, TRAILERS, OR MATERIAL SHALL BE PLACED WITHIN 20 FEET OR WITHIN THE DRIP LINES OF ANY TREE TO BE SAVED, WHICHEVER IS GREATER.

ANY DAMAGE DONE TO EXISTING TREE TRUNKS, CROWNS, OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR. AT HIS EXPENSE, UNDER THE DIRECTION OF AN ARBORIST FROM THE DEPARTMENT OF TRANSPORTATION'S URBAN FORESTRY ADMINISTRATION.

PROTECT ROOT SYSTEMS FROM DAMAGE CAUSED BY RUNOFF OR SPILLAGE OF NOXIOUS MATERIALS WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS. PROTECT ROOT SYSTEMS FROM PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL INSIDE TREE PROTECTION ZONES. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN TREE PROTECTION ZONES; PREVENT SOIL COMPACTION OVER ROOT SYSTEMS.

MAINTAIN TREE PROTECTION ZONES FREE OF WEEDS AND TRASH. INSTALL MYCORRHIZAL FUNGAL INOCULATION INSIDE THE TREE PROTECTION ZONE AS REQUIRED BY THE MANUFACTURER.

WHERE RE-GRAING IS REQUIRED, THE FOLLOWING SHALL APPLY:

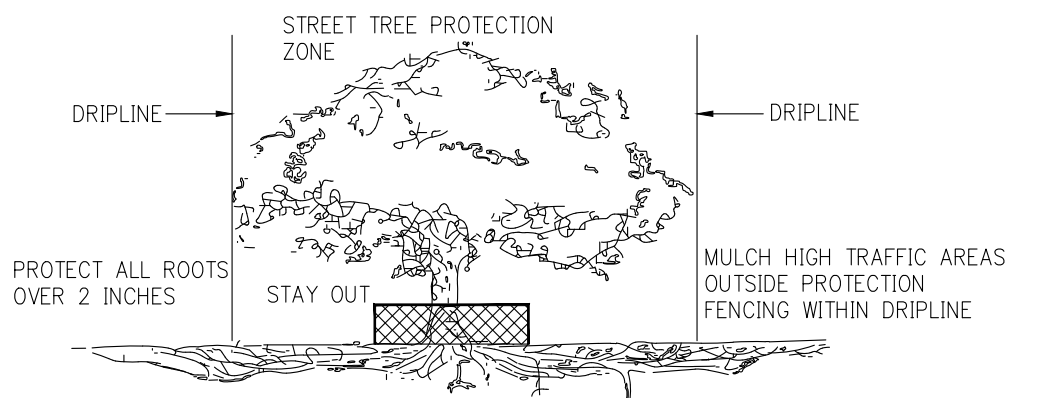
MINOR FILL: WHERE EXISTING GRADE IS 6 INCHES OR LESS BELOW ELEVATION OF FINISH GRADE, FILL WITH MATERIAL AS SHOWN IN THE CONTRACT DRAWINGS. PLACE MATERIAL IN A SINGLE UNCOMPACTED LAYER AND HAND GRADE TO REQUIRED FINISH ELEVATIONS.

MODERATE FILL: WHERE EXISTING GRADE IS MORE THAN 6 INCHES (150 MM) BUT LESS THAN 12 INCHES (300 MM) BELOW ELEVATION OF FINISH GRADE, PLACE DRAINAGE FILL, FILTER FABRIC, AND TOPSOIL ON EXISTING GRADE AS FOLLOWS: CAREFULLY PLACE DRAINAGE FILL AGAINST TREE TRUNK APPROXIMATELY 2 INCHES (50 MM) ABOVE ELEVATION OF FINISH GRADE AND EXTEND NOT LESS THAN 18 INCHES (450 MM) FROM TREE TRUNK ON ALL SIDES. FOR BALANCE OF AREA WITHIN DRIP LINE PERIMETER, PLACE DRAINAGE FILL UP TO 6 INCHES (150 MM) BELOW ELEVATION OF GRADE.

PLACE FILTER FABRIC WITH EDGES OVERLAPPING 6 INCHES (150 MM) MINIMUM. PLACE FILL LAYER OF MATERIAL TO FINISH GRADE. DO NOT COMPACT DRAINAGE FILL.

HAND GRADE TO REQUIRED ELEVATIONS.

C. MEASURE AND PAYMENT:
 NO MEASURE WILL BE TAKEN FOR THIS WORK. NO DIRECT PAYMENT WILL BE MADE. THIS WORK IS CONSIDERED INCIDENTAL TO THE WORK BEING PERFORMED, THE COST OF WHICH SHALL BE CONSIDERED WHEN PREPARING BIDS FOR WORK IN THESE AREAS.



STREET TREE PROTECTION

- ALL EXISTING STREET TREES, TO REMAIN WITHIN A WORK ZONE UNTIL A PROJECT IS COMPLETED, REQUIRE THE FOLLOWING AS TREE PROTECTION. IF FOR ANY REASON THE SCOPE OF THE PROJECT REQUIRES WORK TO BE PERFORMED WITHIN THE FENCED PROTECTION ZONE, THE PERMIT HOLDER MUST CONTACT THE DISTRICT DEPARTMENT OF TRANSPORTATION'S URBAN FORESTRY ADMINISTRATION AT 202-671-5133 BEFORE ENTERING.
 - SIX (6) FOOT TALL CHAIN LINK FENCING ON ALL SIDES.
 - INSTALL FENCING PRIOR TO AND MAINTAIN THROUGHOUT CONSTRUCTION, REMOVING ONLY AT THE END OF THE PROJECT.
 - FENCING SHALL PROTECT AN AREA NO SMALLER THAN 4 FEET BY 9 FEET.
 - FENCING SHALL HAVE VERTICAL AND HORIZONTAL SUPPORT RAILINGS TO DECREASE FLEXIBILITY AND PREVENT SAGGING.
 - FENCE POSTS SHALL BE ANCHORED IN THE GROUND TO PREVENT MOVEMENT AND PROVIDE A AUTHORIZED ENTRY ONLY: CONTACT THE WARD ARBORIST AT DDOT URBAN SECURE BARRIER.

- NO INSTALLATION OF SILT FENCE/SUPER SILT FENCE, TRENCHING, ALTERATION OR DISTURBANCE TO EXISTING GRADE, STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SOIL, OR DEBRIS; DISPOSAL OF ANY MATERIALS SUCH AS CONCRETE, GAS, OIL, PAINT, AND BLACKTOP IS ALLOWED WITHIN THE FENCED TREE PROTECTION ZONE.
- EXCAVATIONS WITHIN THE DRIP LINE SHALL PROCEED WITH CARE BY USE OF HAND TOOLS. THE DRIPLINE IS DEFINED AS THE GROUND AREA UNDER THE CANOPY OF THE TREE.
- NO ROOTS LARGER THAN TWO (2) INCHES IN DIAMETER ARE TO BE CUT WITHOUT UFA PERMISSION.
- EXPOSED ROOTS TWO (2) INCHES AND LARGER IN DIAMETER SHALL BE WRAPPED IN BURLAP OR OTHER APPROVED MATERIAL AND KEPT MOIST AT ALL TIMES.

- TREES THAT ARE PROTECTED ARE TO BE WATERED EVERY 10 DAYS FROM APRIL THROUGH SEPTEMBER.
- SECTION 608.07 TREE PROTECTION AND REPLACEMENT OF THE 2013 DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES WILL APPLY SHOULD ANY DAMAGE OCCUR TO THE EXISTING STREET TREE(S).
- ANY FINES RELATED TO DAMAGE TO A STREET TREE ON A JOB SITE SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER.

DDOT/URBAN FORESTRY ADMINISTRATION MARCH 2014

TEMPORARY SEEDING SUMMARY						
SEED MIXTURE				FERTILIZER RATE (10-10-10)	LIME RATE	
SPECIES	SEEDING RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS (IN)"2			
ANNUAL RYEGRASS	40	02/15 TO 04/30; 08/15 TO 11/30;	0.5	436 lb/oc (10lb/ 1,000 ft.)	2 tons/oc (90lb/ 1,000 ft.)	
BARLEY	96	02/15 TO 04/30; 08/15 TO 11/30;	1.0			
OATS	72	02/15 TO 04/30; 08/15 TO 11/30;	1.0			
WHEAT	120	02/15 TO 04/30; 08/15 TO 11/30;	1.0			
CEREAL RYE	112	02/15 TO 04/30; 08/15 TO 12/15;	1.0			
FOXTAIL MILLET	30	05/01 TO 08/14;	0.5			
PEARL MILLET	20	05/01 TO 08/14;	0.5			

PERMANENT SEEDING SUMMARY							
SEED MIXTURE				N	P ₂ O ₅	K ₂ O	LIME RATE
NO.	SPECIES	APPLICATION RATE (lb/oc)	SEEDING DATES	SEEDING DEPTHS (IN)"2			
11	CREEPING FESCUE	30	2/15 TO 4/30; 8/15 TO 10/31; 11/01 TO 11/30;	1.0	45 lb/oc	90 lb/oc	2 tons/oc
11	CHEWINGS FESCUE	30	2/15 TO 4/30; 8/15 TO 10/31; 11/01 TO 11/30;	1.0			
11	KENTUCKY BLUE GRASS	20	2/15 TO 4/30; 8/15 TO 10/31; 11/01 TO 11/30;	0.5			

STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
 - EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED AS SOON AS NEW SITE-RELATED RUNOFF IS DETECTED AND EMPLOYED AT ALL TIMES, TO PROTECT INLETS OR STORM SEWERS BELOW SILT-PRODUCING AREAS.
- NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURE, REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAYS.
- REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF A DOEE INSPECTOR.
- INSTALL SILT FENCE AS SHOWN.
- NO DISTURBED AREA WILL BE DENuded FOR MORE THAN 7 CALENDAR DAYS. INSTALL THE NECESSARY TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION MEASURES TO ACHIEVE ADEQUATE EROSION AND SEDIMENT CONTROL.
- ALL CONSTRUCTION TO BE INSPECTED DAILY BY THE CONTRACTOR, AND ANY DAMAGED SILTATION OR EROSION CONTROL DEVICES OR MEASURES WILL BE REPAIRED AT THE CLOSE OF THE DAY.
- PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DESTABILIZED AREAS.
- ALL SILT FENCE TO BE MAINTAINED IN WORKING CONDITION. TO BE MAINTAINED IN WORKING CONDITION.
- STABILIZED CONSTRUCTION ENTRANCES TO BE PERIODICALLY SUPPLEMENTED WITH ADDITIONAL STONE AS NEEDED.
- CONTROLS CAN BE REMOVED AFTER THEIR CONTRIBUTING BASINS HAVE BEEN PERMANENTLY STABILIZED, AND APPROVAL OF INSPECTOR IS OBTAINED.

UNDERGROUND UTILITY WORK

- WHEN CONDUCTING UNDERGROUND UTILITY WORK DO NOT OPEN MORE THAN FIVE HUNDRED LINEAR FEET (500 FT) OF TRENCH AT ANY ONE TIME.
- FILTER WATER PUMPED OUT OF TRENCH EXCAVATIONS PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.
- PLACE EXCAVATED MATERIAL FOR FILL ON THE UPHILL SIDE OF A TRENCH.
- INSTALL INTERIM OR PERMANENT STABILIZATION IMMEDIATELY AFTER A UTILITY TRENCH IS REFILLED.
- USE MULCH AND MATING ON EXCAVATED MATERIAL TO MINIMIZE THEIR EROSION WHEN NATURAL OR ARTIFICIAL GRASS FILTER STRIPS ARE INSTALLED TO RECEIVE STORMWATER RUNOFF FROM THE EXCAVATED MATERIALS.

DOEE SOIL EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES:

- INITIAL LAND DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR INTERIM STABILIZATION MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOR THE SURFACES OF ALL TREE-TRUNK CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND SLOPES GREATER THAN THREE (3) HORIZONTAL TO ONE (1) VERTICAL (3:1); AND FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THESE REQUIREMENTS DO NOT APPLY TO AREAS SHOWN ON THE PLAN THAT ARE USED FOR MATERIAL, STORAGE OTHER THAN STOCKPILING, OR FOR THOSE AREAS ON THE PLAN WHERE ACTUAL CONSTRUCTION ACTIVITIES ARE BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY SO THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE DISTRICT OF COLUMBIA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (ESC). [21 DCMR § 542.9 (O)]
- ESC MEASURES SHALL BE IN PLACE BEFORE AND DURING LAND DISTURBANCE. [21 DCMR § 543.6]
- CONTACT DOEE INSPECTION (202) 535-2977 TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST THREE (3) BUSINESS DAYS BEFORE THE COMMENCEMENT OF A LAND-DISTURBING ACTIVITY. [21 DCMR § 503.7 (A)]
- A COPY OF THE APPROVED PLAN SET WILL BE MAINTAINED AT THE CONSTRUCTION SITE FROM THE DATE THAT CONSTRUCTION ACTIVITIES BEGIN TO THE DATE OF FINAL STABILIZATION AND WILL BE AVAILABLE FOR DOEE INSPECTORS. [21 DCMR § 542.15]
- ESC MEASURES SHALL BE IN PLACE TO STABILIZE AN EXPOSED AREA AS SOON AS PRACTICABLE. AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED BUT NO LATER THAN FOURTEEN (14) DAYS FOLLOWING CESSATION, EXCEPT THAT TEMPORARY OR PERMANENT STABILIZATION SHALL BE IN PLACE AT THE END OF EACH DAY OF UNDERGROUND UTILITY WORK THAT IS NOT CONTAINED WITHIN A LARGER DEVELOPMENT SITE. [21 DCMR § 543.7]
- STOCKPILED MATERIAL BEING ACTIVELY USED DURING A PHASE OF CONSTRUCTION SHALL BE PROTECTED AGAINST EROSION BY ESTABLISHING AND MAINTAINING PERIMETER CONTROLS AROUND THE STOCKPILE. [21 DCMR § 543.16 (A)]
- STOCKPILED MATERIAL NOT BEING ACTIVELY USED OR ADDED TO SHALL BE STABILIZED WITH MULCH, TEMPORARY VEGETATION, HYDRO-SEED OR PLASTIC WHEN NOT GIVEN (15) CALENDAR DAYS AFTER ITS LAST USE OR ADDITION. [21 DCMR § 543.16 (B)]
- FILL MATERIAL MUST BE FREE OF CONTAMINATION LEVELS OF ANY POLLUTANT THAT MAY BE CONSIDERED TO REPRESENT A POSSIBLE HEALTH HAZARD TO THE PUBLIC OR MAY BE DETRIMENTAL TO SURFACE OR GROUND WATER QUALITY, OR WHICH MAY CAUSE DAMAGE TO PROPERTY OR THE DRAINAGE SYSTEM. ALL FILL MATERIAL MUST BE FREE OF HAZARDOUS MATERIALS AND COMPLY WITH ALL APPLICABLE DISTRICT AND FEDERAL REGULATIONS.
- PROTECT BEST MANAGEMENT PRACTICES FROM SEDIMENTATION AND OTHER DAMAGE DURING CONSTRUCTION FOR PROPER POST CONSTRUCTION OPERATION. [21 DCMR § 543.5]

- REQUEST A DOEE INSPECTOR'S APPROVAL AFTER THE INSTALLATION OF PERIMETER AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. [21 DCMR § 542.12 (A)]
- REQUEST A DOEE INSPECTOR'S APPROVAL AFTER FINAL STABILIZATION OF THE SITE AND BEFORE THE REMOVAL OF EROSION AND SEDIMENT CONTROLS. [21 DCMR § 542.12 (B)]

- FINAL STABILIZATION MEANS THAT ALL LAND-DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND EITHER OF THE FOLLOWING TWO CRITERIA HAVE BEEN MET: (1) A UNIFORM (FOR EXAMPLE, EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF SEVENTY PERCENT (70%) OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, OR (2) EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED (SUCH AS THE USE OF RIPRAP, GABIONS, OR GEO-TEXTILES). [21 DCMR § 542.12 (B), B.2]
- FOLLOW THE REQUIREMENTS OF THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND MAINTAIN A LEGIBLE COPY OF THIS SWPPP ON SITE. [21 DCMR § 543.10 (B)]

- POST A SIGN THAT NOTICES THE PUBLIC TO CONTACT DOEE IN THE EVENT OF EROSION OR OTHER POLLUTION. THE SIGN WILL BE PLACED AT EACH ENTRANCE TO THE SITE OR AS DIRECTED BY THE DOEE INSPECTOR. EACH SIGN WILL BE NO LESS THAN 18 X 24 INCHES IN SIZE AND MADE OF MATERIALS THAT WILL WITHSTAND WEATHER FOR THE DURATION OF THE PROJECT. LETTERING WILL BE AT LEAST 1 INCH IN HEIGHT AND EASILY READABLE BY THE PUBLIC FROM A DISTANCE OF TWELVE FEET (12 FT). THE SIGN MUST DIRECT THE PUBLIC, IN SUBSTANTIALLY THE FOLLOWING FORM: "TO REPORT EROSION, RUNOFF, OR STORMWATER POLLUTION" AND WILL PROVIDE THE CONSTRUCTION SITE ADDRESS, DOEE'S TELEPHONE NUMBER (202-535-2977), DOEE'S E-MAIL ADDRESS (IEB.SCHEDULE@DC.GOV), AND THE 311 MOBILE APP HEADING ("CONSTRUCTION-EROSION RUNOFF"). [21 DCMR § 543.22]

IF A SITE DISTURBS 5,000 SQUARE FEET OF LAND OR GREATER, THE ESC PLAN MUST CONTAIN THE FOLLOWING STATEMENT:

- A RESPONSIBLE PERSON MUST BE PRESENT OR AVAILABLE WHILE THE SITE IS IN A LAND-DISTURBING PHASE. THE RESPONSIBLE PERSON IS CHARGED WITH BEING AVAILABLE TO (A) INSPECT THE SITE AND ITS ESC MEASURES AT LEAST ONCE WEEKLY AFTER A RAINFALL EVENT TO IDENTIFY AND REMEDY EACH POTENTIAL OR ACTUAL EROSION PROBLEM, (B) RESPOND TO EACH POTENTIAL OR ACTUAL EROSION PROBLEM IDENTIFIED BY CONSTRUCTION PERSONNEL, AND (C) SPEAK ON SITE WITH DOEE TO REMEDY EACH POTENTIAL OR ACTUAL EROSION PROBLEM. A RESPONSIBLE PERSON SHALL BE (A) LICENSED IN THE DISTRICT OF COLUMBIA AS A CIVIL OR GEO-TECHNICAL ENGINEER, A LAND SURVEYOR, OR ARCHITECT; OR (B) CERTIFIED THROUGH A TRAINING PROGRAM THAT DOEE APPROVES, INCLUDING A COURSE ON EROSION CONTROL PROVIDED BY ANOTHER JURISDICTION OR PROFESSIONAL ASSOCIATION. DURING CONSTRUCTION, THE RESPONSIBLE PERSON SHALL KEEP ON SITE PROOF OF PROFESSIONAL LICENSING OR OF SUCCESSFUL COMPLETION OF A DOEE-APPROVED TRAINING PROGRAM. [21 DCMR § 547]

EROSION AND SEDIMENT CONTROL NOTE:

- THE APPLICANT MUST NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENT BY PHONE (202-535-2977) AT LEAST 72 HOURS PRIOR TO THE START OF LAND DISTURBING ACTIVITY AND WITHIN (2) WEEKS AFTER COMPLETION OF PROJECT TO REQUEST INSPECTION. IF THERE IS NEED TO MAKE CHANGES OR MODIFICATIONS IN THE APPROVED DESIGN, DEPARTMENT OF ENERGY AND ENVIRONMENT MUST BE NOTIFIED IMMEDIATELY.
- REMOVAL OF ANY EROSION AND SEDIMENT CONTROL MEASURES REQUIRES APPROVAL FROM DOEE INSPECTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF SHEETING AND SHORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES. SHORING, BRACING, AND UNDERPINNING DESIGNED BY THE CONTRACTOR'S STRUCTURAL ENGINEER LICENSED IN THE DISTRICT OF COLUMBIA SHALL BE PROVIDED AS NECESSARY TO ENSURE THEIR SUPPORT.
- PROVIDE SILT FENCE AT PERIMETER OF EXCAVATION AREA TO REMAIN IN PLACE UNTIL BELOW GRADE EXCAVATION HAS BEGUN UNLESS OTHERWISE APPROVED BY THE INSPECTOR.
- CONTRACTOR TO PROVIDE ON SITE APPROVED STAMPED AND SIGNED SEDIMENTATION AND EROSION CONTROL DRAWINGS BY DEPARTMENT OF ENERGY AND ENVIRONMENT, WATERSHED PROTECTION DIVISION.
- PROVIDE A CHAIN LINK FENCE AT PERIMETER OF SITE.
- NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURES REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAY.
- REMOVE OFF-SITE ACCUMULATION OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF DOEE INSPECTOR.
- PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DE-STABILIZATION AREAS.
- STRAW BALE DIKES WILL BE REPLACED EVERY THREE (3) MONTHS UNTIL COMMENCEMENT OF CONSTRUCTION.

2.10.5 Construction Specifications

Site Preparation

- Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms, waterways, or sediment control basins.
- Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
- Schedule required soil tests to determine soil amendment composition and application rates for sites having disturbed areas over 5 acres.
- Distribute lime and fertilizer evenly and incorporate them into the top 3 to 5 inches of soil by diskng or other suitable means.
- Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at a rate of 4 to 8 tons per acre (200 to 400 pounds per 1,000 square feet) prior to the placement of topsoil.

Seedbed Preparation

- Temporary Seeding
 - Seedbed preparation must consist of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers attached on construction equipment. After the soil is loosened, do not roll or drag smooth but leave in the roughened condition. Track sloped areas (greater than 3:1) leaving the surface in an irregular condition with ridges running parallel to the contour of the slope.
 - Apply fertilizer and lime as prescribed on the plans.
 - Incorporate lime and fertilizer into the top 3 to 5 inches of soil by diskng or other suitable means.
- Permanent Seeding – Maintain areas previously graded in conformance with the drawings in a true and even grade, then scarified or otherwise loosened to a depth of 3 to 5 inches to permit bonding of the topsoil to the surface and to create horizontal erosion check slots to prevent topsoil from sliding down a slope.

Apply soil amendments as per soil test or as included on the plans.
 Mix soil amendments into the top 3 to 5 inches of topsoil by diskng or other suitable means. Rake lawn areas to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Where site conditions will not permit normal seedbed preparation, loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface. Track steep slopes (steeper than 3:1) by a dozer leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. The top 1 to 3 inches of soil should be loose and friable. Seedbed loosening may not be necessary on newly disturbed areas.

- Methods of Seeding – Apply seed uniformly with hydroseeder (seeder includes seed, fertilizer and mulch), broadcast or drop seeder, or a cultipacker seeder.
 - Hydroseeding
 - If fertilizer is being applied at the time of seeding, the application rates will not exceed the following: nitrogen, maximum of 100 pounds per acre of soluble nitrogen; P₂O₅ (phosphorous), 200 pounds per acre; K₂O (potassium), 200 pounds per acre.
 - Lime – Use only ground agricultural limestone, (up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons per acre are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.
 - Seed and fertilizer must be mixed on site and seeding must be done immediately and without interruption.
 - Fiber mulch may be incorporated into the hydroseeding mixture. Consult Section 2.7 Mulching for standards and specifications for mulch materials.

- (b) Dry Seeding – This includes use of conventional drop or broadcast spreaders.
 - Incorporate seed spread dry into the subsoil at the rates prescribed on the Temporary or Permanent Seeding Summaries or Tables 2.4 or 2.7. The seeded area must then be rolled with a weighted roller to provide good seed to soil contact.
 - Where practical, apply seed in two directions perpendicular to each other. Apply half the seeding rate in each direction.

- (c) Drill or Cultipacker Seeding – Mechanized seeders that apply and cover seed with soil.
 - Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inches of soil covering. Seedbed must be firm after planting.
 - Where practical, apply seed in two directions perpendicular to each other. Apply half the seeding rate in each direction.

- (d) Soil Installation – During periods of excessively high temperature or in areas having dry subsoil, the subsoil must be lightly irrigated immediately prior to laying the seed. The first row of seed must be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints must be staggered to promote more uniform growth and strength. Ensure that soil and seed are in direct contact and that all joints are buried tight in order to prevent voids, which would cause air drying of the roots. Wherever possible, lay seed with the long edges parallel to the contour and with staggering joints. Roll and tamp, peg, or otherwise secure seed to prevent slippage on slopes and to ensure solid contact between seed roots and the underlying soil surface. Immediately water seed following rolling or tamping until the underside of the new seed pad and soil surface below the seed are thoroughly wet. Complete the operations of laying, tamping and irrigating for any piece of soil within eight hours.

- (e) Incremental Stabilization – Cut Slopes
 Dress, prepare, seed, and mulch all cut slopes as the work progresses. Excavate and stabilize slopes in equal increments not to exceed 15 feet.
 The construction sequence is as follows (refer to Figure 2.1):
 - Excavate and stabilize all temporary swales, side ditches, or berms that will be used to convey runoff from the excavation.
 - Perform phase 1 excavation, dress, and stabilize.
 - Perform phase 2 excavation, dress, and stabilize. Overseed phase 1 areas as necessary.
 - Perform final phase excavation, dress, and stabilize. Overseed previously seeded areas as necessary.

Note: Once excavation has begun the operation should be continuous from grubbing through the completion of grading and placement of topsoil (if required) and permanent seed and mulch. Any interruptions in the operation or completing the operation out of the seeding season will necessitate the application of temporary stabilization.

- (f) Incremental Stabilization of Embankments – Fill Slopes
 Construct embankments in lifts as prescribed on the plans. The maximum height of each lift when the grading operation ceases as prescribed in the plans. At the end of each day, construct temporary berms and pipe slope drains along the top edge of the embankment to intercept surface runoff and convey it down the slope in a non-erosive manner to a sediment trapping device.

The construction sequence is as follows (refer to Figure 2.2):

- Excavate and stabilize all temporary swales, side ditches, or berms that will be used to divert runoff around the fill. Construct Slope Silt Fence on low side of fill as shown in Figure 2.2, unless other methods shown on the plans address this area.
- Place phase 1 embankment, dress and stabilize.
- Place phase 2 embankment, dress and stabilize.
- Place final phase embankment, dress and stabilize. Overseed previously seeded areas as necessary.

Note: Once the placement of fill has begun the operation should be continuous from grubbing through the completion of grading and placement of topsoil (if required) and permanent seed and mulch. Any interruptions in the operation or completing the operation out of the seeding season will necessitate the application of temporary stabilization.

2.10.6 Maintenance

Grass Maintenance

- Inspect all seeded areas for failures and make necessary repairs, replacements, and reseeds within the planting season.
- Once the vegetation is established, the site must have 95% ground cover to be considered adequately stabilized.
- If the stand provides less than 40% ground coverage, reestablish following original lime, fertilizer, seedbed preparation and seeding recommendations.
- If the stand provides between 40% and 94% ground coverage, overseeding and fertilizing using half of the rates originally applied may be necessary.
- Maintenance fertilizer rates for permanent seedings are shown in Table 2.9.

Soil Maintenance

- In the absence of adequate rainfall, perform watering daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4 inches. Water during the heat of the day to prevent wilting.
- After the first week, soil watering is required as necessary to maintain adequate moisture content.
- Do not attempt the first mowing of sod until the sod is firmly rooted. Do not remove more than a third of the grass leaf by the initial cutting or subsequent cuttings. Maintain grass height between 2 to 3 inches unless otherwise specified.

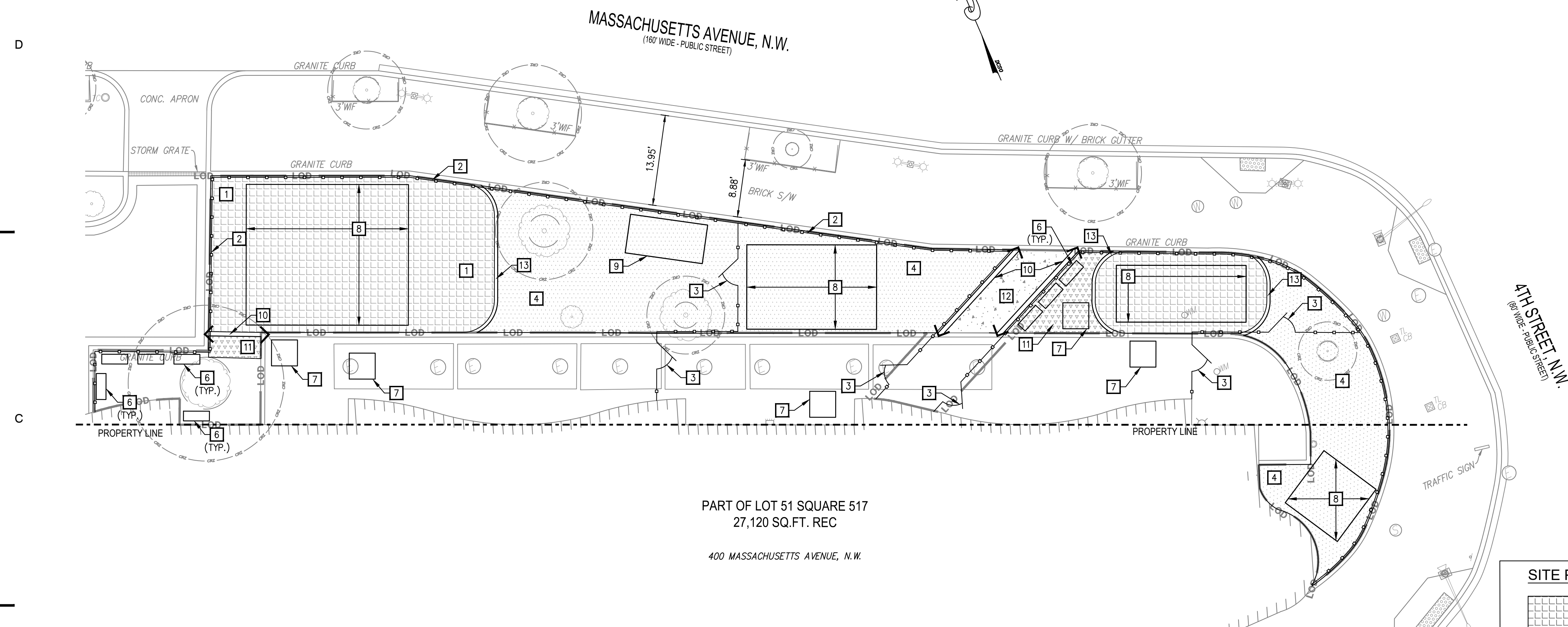
POLLUTION PREVENTION THROUGH GOOD HOUSEKEEPING:

POLLUTION PREVENTION:

THIS APPENDIX IS MEANT TO COMPLEMENT APPENDIX P. STORMWATER HOTSPOTS AND EROSION AND SEDIMENT CONTROL PLAN (ESCP), BUT NOT REITERATE EPA'S CONSTRUCTION GENERAL PERMIT REQUIREMENTS. THESE NOTES SHALL APPEAR AS STAMPED NOTES ON STORMWATER MANAGEMENT PLANS (SWMPS) WHERE LAND DISTURBANCE IS GREATER THAN 5,000 SQUARE FEET AND LESS THAN ONE ACRE. THESE NOTES SHALL CONSTITUTE A MINIMUM STORMWATER POLLUTION PREVENTION PLAN (SWPPPmin) AND PROVIDE GUIDANCE ON GOOD HOUSEKEEPING PRACTICES TO PREVENT POTENTIAL CONSTRUCTION-SITE POLLUTANT FROM INTERACTING WITH STORMWATER.

STORMWATER MANAGEMENT PLAN (SWMP) GOOD HOUSEKEEPING STAMP NOTES:

FUELS AND O



PART OF LOT 51 SQUARE 517
27,120 SQ.FT. REC

400 MASSACHUSETTS AVENUE, N.W.

MASSACHUSETTS AVENUE, N.W.
(160' WIDE - PUBLIC STREET)

4TH STREET, N.W.
(80' WIDE - PUBLIC STREET)

SITE PLAN LEGEND

-
- NEW RUBBER PLAYGROUND SURFACE
- NEW GRASS SOD
- NEW CONCRETE
- NEW MULCH AREA

NOTE:

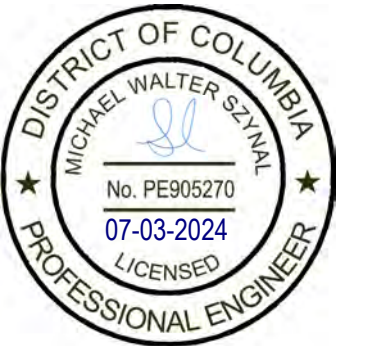
ALL PAVING MATERIAL WITHIN PUBLIC RIGHT-OF-WAY TO BE SUBMITTED TO AND APPROVED BY DDOT OFFICE OF MATERIAL PRIOR TO ORDERING OF MATERIAL OR INSTALLATION.

SITE KEYNOTES:

- 1 NEW POUR IN PLACE RUBBER SURFACING. REFER TO DETAIL THIS SET.
- 2 NEW AMERISTAR MONTAGE PLUS 6' FENCE. REFER TO DETAIL THIS SET.
- 3 NEW AMERISTAR MONTAGE PLUS 6' FENCE GATE. REFER TO DETAIL THIS SET.
- 4 NEW PLANTED GRASS AREA.
- 5 NEW PLAYGROUND EQUIPMENT. REFER TO PLAYGROUND PLANS FOR DETAILS.
- 6 NEW BENCH. REFER TO PLAYGROUND PLANS FOR DETAILS.
- 7 NEW PICNIC TABLE. REFER TO PLAYGROUND PLANS FOR DETAILS.
- 8 NEW SHADE STRUCTURE AND PLAYGROUND EQUIPMENT. REFER TO PLAYGROUND PLANS FOR DETAILS.
- 9 NEW SHED. REFER TO PLAYGROUND PLANS FOR DETAILS.
- 10 NEW AT GRADE 7" GRANITE CURB PER DDOT STANDARDS AND SPECIFICATIONS. REFER TO STANDARD DDOT DETAIL DWG NO. 606.02.
- 11 NEW MULCH AREA.
- 12 NEW CONCRETE SIDEWALK PER DDOT STANDARDS AND SPECIFICATIONS. ALL SIDEWALK TO HAVE MAXIMUM 2% CROSS SLOPE AND PROVIDE POSITIVE SLOPE TOWARDS ROADWAY. REFER TO STANDARD DDOT DETAIL DWG 605.01.
- 13 NEW FLUSH CONCRETE HEADER CURB AS EDGE RESTRAINT FOR POUR IN PLACE RUBBER SURFACING WHERE RUBBER SURFACING IS NOT ALREADY ADJACENT TO GRANITE CURB. REFER TO DETAIL THIS SET.



Seal:



Client:

Douglas Development
Corporation

655 New York Avenue, NW
Washington DC, 20001

Project:

400 Massachusetts Avenue, NW
Playground

[illegible]

No.	Date	Issue/Revision	
Designed By: MK	Drawn By: DR	Checked By: MS	

Project No.: 24-023	Date: 06/07/2024
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Project No.: 24-023	Date: 06/07/2024
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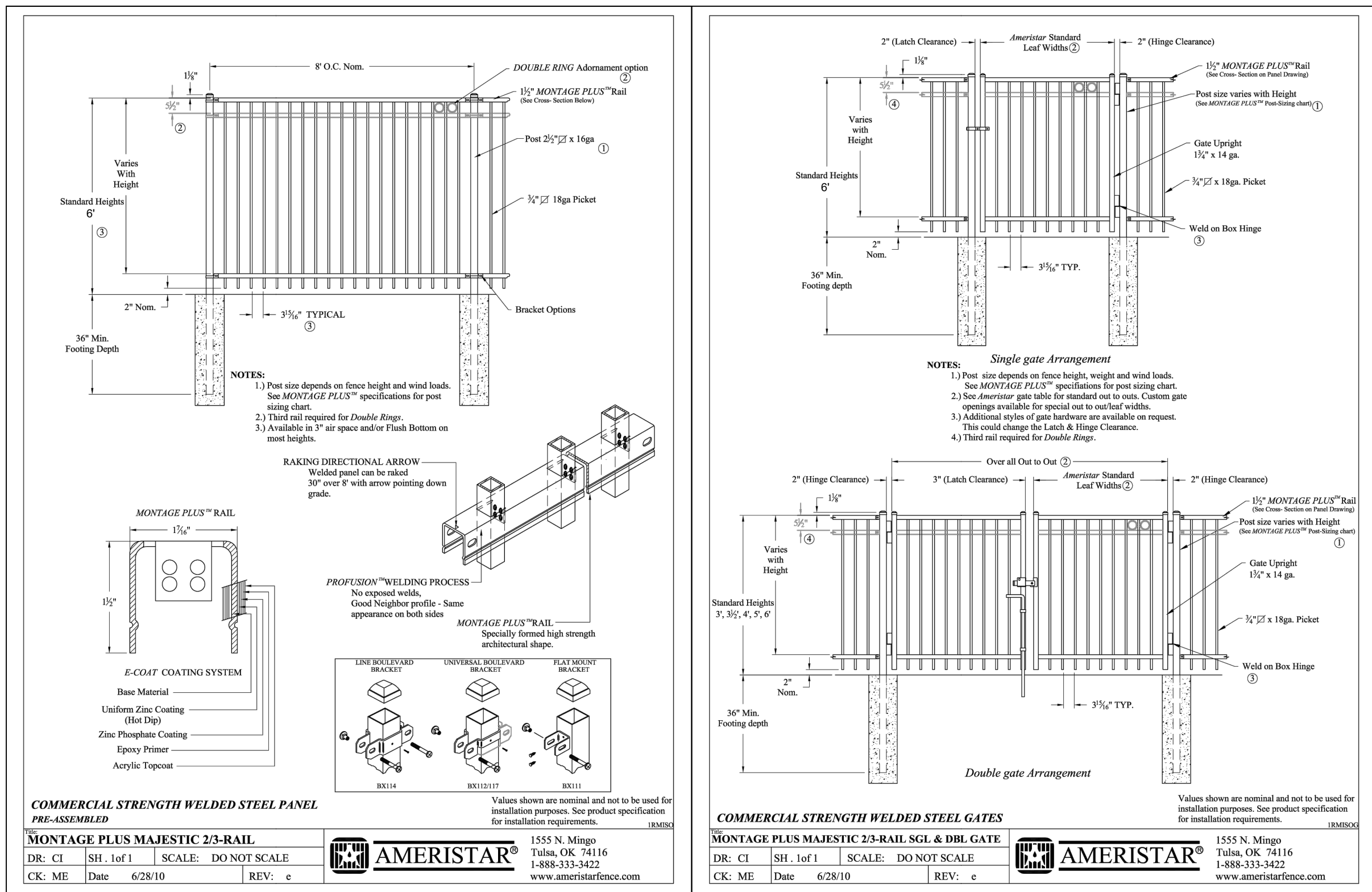
Scale:

A horizontal scale bar with alternating black and white segments. Above the bar, the markings are 10', 5', 0, 10', and 20'. Below the bar, the text 1" = 10' is centered.

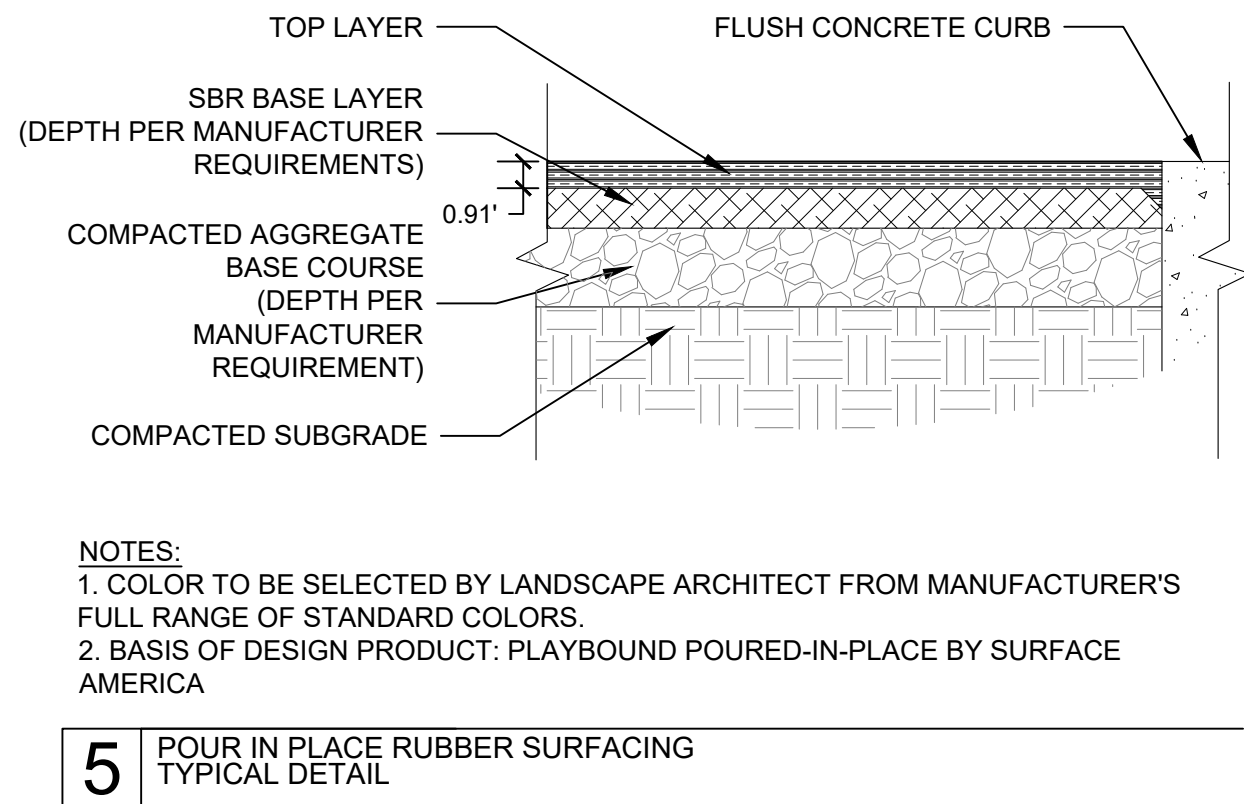
Sheet Title: **Site Plan**

Sheet No.: **CIV0105**

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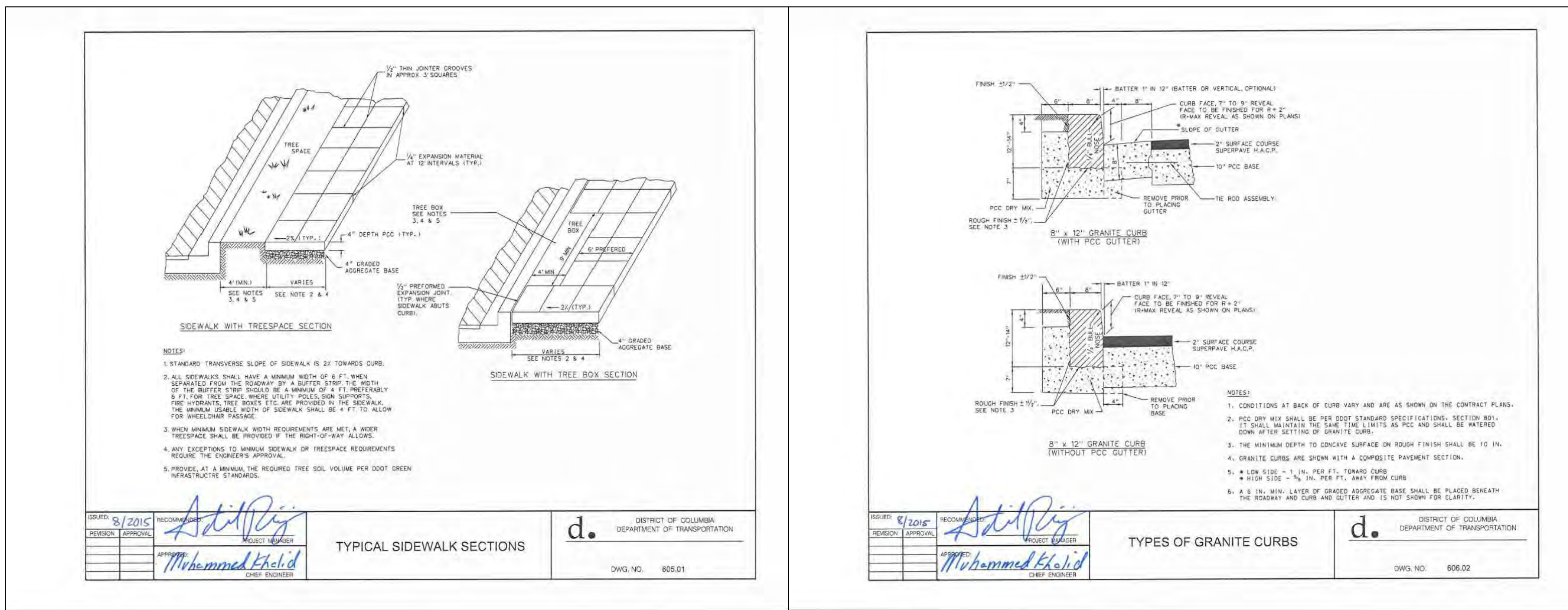


C



(C-3) STANDARD FLUSH HEADER CURB
NOT TO SCALE

B



A

D

WM WILES MENSCH
CIVIL | LANDSCAPE ARCHITECTURE | SURVEY
Planning, Engineering, Surveying & Landscape Architecture
510 8th Street, SE, Washington, DC 20003
(T) 202-638-4040 www.WM-DC.com

Seal:



Client:

Douglas Development Corporation

655 New York Avenue, NW
Washington DC, 20001

Project:

400 Massachusetts Avenue, NW
Playground

B

No.	Date	Issue/Revision
Designed By:	Drawn By:	Checked By:
MK	DR	MS

Project No.: 24-023 Date: 06/07/2024

Scale:

A

Sheet Title:

Site Details

Sheet No.:

CIV0502

COLOR KEY

- TAN
- OLIVE
- GREEN
- OLIVE/BLACK
- BROWN/TAN





SERIES Burke Basics | Synergy

GROUP:

Structure|Free Standing|Eko Cluster

DESIGNED FOR AGES:

2 to 12

400 Mass Ave

Washington, DC 20001-4593

Burke
PLAY THAT MOVES YOU

SITE PLAN VIEW

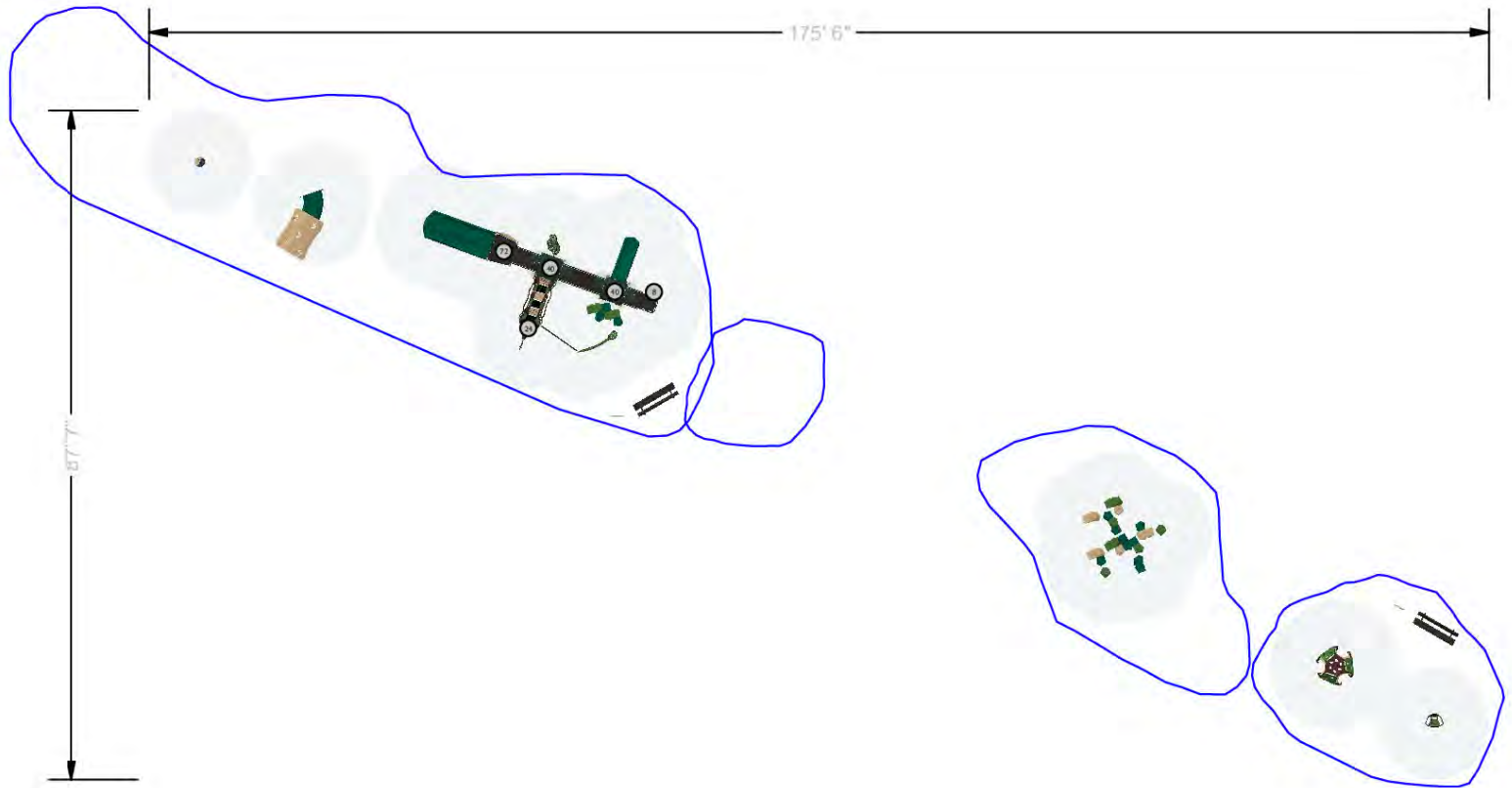
04/18/2024

All Recreation

133-184065-1

Designer: John Uelmen

BCI BURKE COMPANY, LLC | PO BOX 549 FOND DU LAC, WI 54936-0549 | 920.921.9220 | BCI@BURKE.COM



OVERALL BOUNDING OF USE ZONES

Area: 15357.3 sq.ft.
Perimeter: 525.9 ft.

STRUCTURE SIZE: 7"x175' 6"

POST SIZE(S): 5"

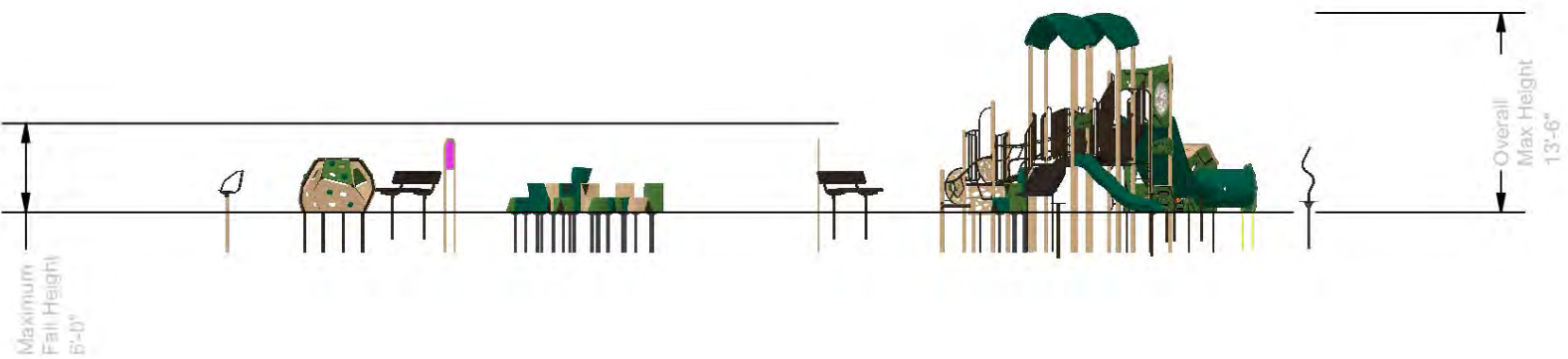
**The space requirements shown here are to ASTM standards. Requirements for other standards may be different.

PLAYGROUND ACCESSIBILITY (Provided/Required)

TOTAL EVENTS	ELEVATED EVENTS	TRANSFER ACCESSIBLE EVENTS	RAMP ACCESSIBLE EVENTS	GROUND EVENTS	TYPES OF GROUND EVENTS
27	9 / 5	7 / 0	0 / 0	18 / 3	7 / 3

The use and layout of play components identified in this plan conform to the CPSC guidelines. U.S. CPSC recommends the separation of age groups in playground layouts.

Warning: Accessible safety surfacing material is required beneath and around this equipment that is compliant with ASTM, CPSC, and ADAAG requirements.



SERIES Burke Basics | Synergy

GROUP:

Structure|Free Standing|Eko Cluster

DESIGNED FOR AGES:

2 to 12

400 Mass Ave

Washington, DC 20001-4593

Burke
PLAY THAT MOVES YOU

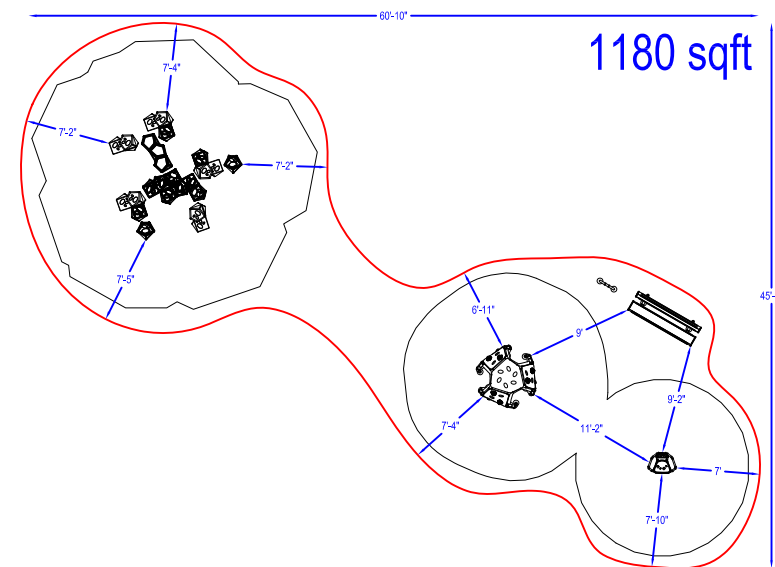
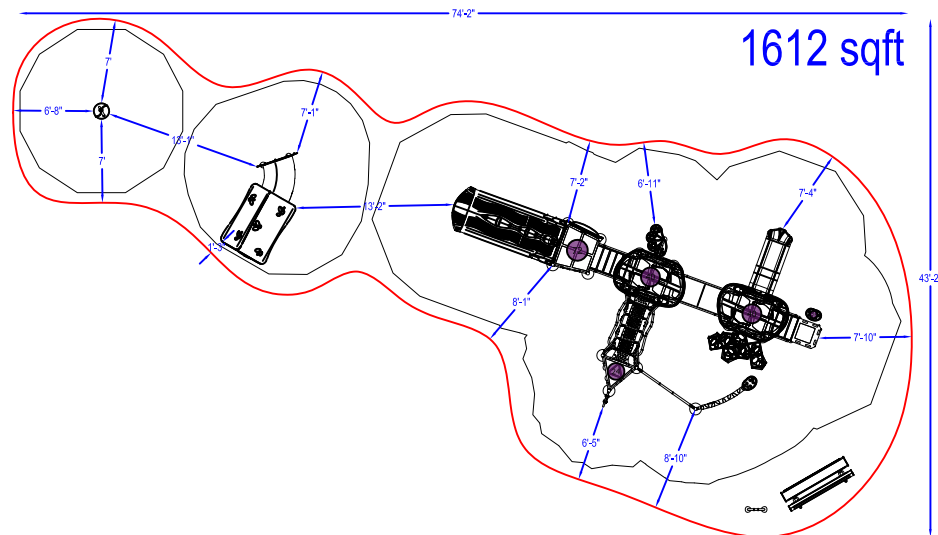
ELEVATION VIEW

04/18/2024

All Recreation

133-184065-1

Designer: John Uelmen



All Recreation of Virginia, Inc.
20609 Gordon Park Square, Ste 190
Ashburn, VA 20147
888-419-0001

400 Mass Ave
Washington, DC
24MassAve1

AREA SIZE: See Dwg
Designer: Jordan Palmer

DATE: 4/19/2024
SCALE: 1/16" = 1'0"



400 Massachusetts Avenue NW



400 H St NW

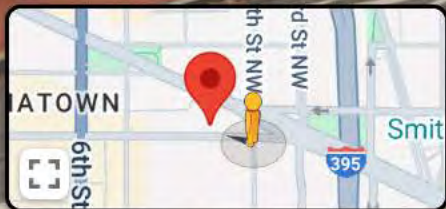
Washington, District of Columbia



Google Street View

Oct 2022

[See more dates](#)



Google



400 Massachusetts Avenue NW



417 H St NW

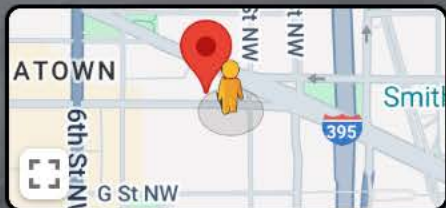
Washington, District of Columbia



Google Street View

Oct 2022

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