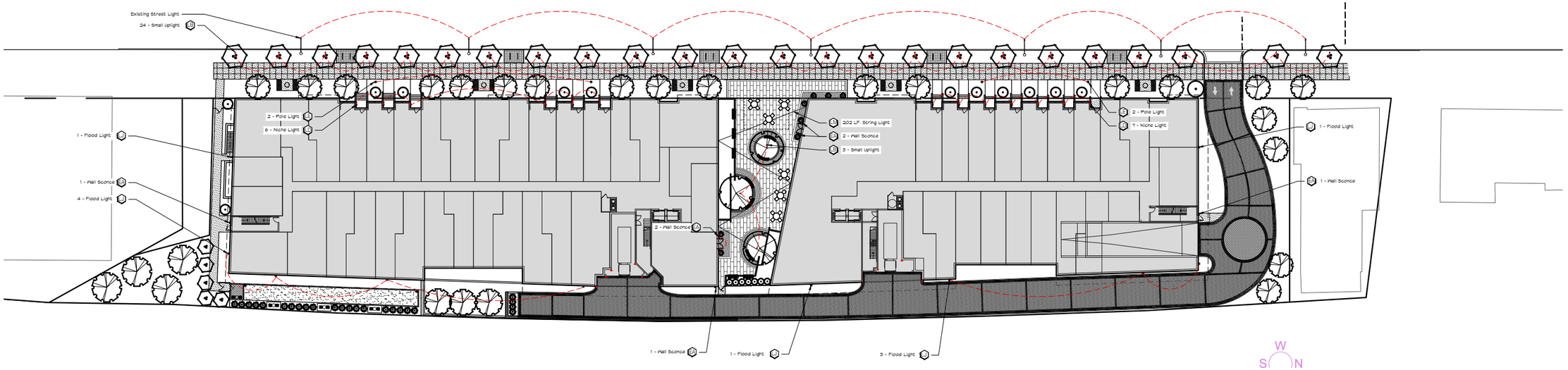

LIGHTING LEGEND

LABEL	SYMBOL	PROJECT TOTAL	DESCRIPTION & SPECIFICATION
A		27	Small Uplight (Remote Transformer) Kim EL700F3-7L4KUV/DB With AGS71 / JBR4 7W LED
B		10	Building Mounted Flood Light Re: Arch for Exact Locations
C		13	Step/Niche Lights Nora NSW800 / NSW851/32-BZ LED
D		4	Pole Light Global Lighting Perspectives (GLP) - GC7030-120LED with GP210-10 - BK Textured Black Finish

LABEL	SYMBOL	PROJECT TOTAL	DESCRIPTION & SPECIFICATION
E		7	Building Mounted Sconce Re: Arch for Exact Locations
F		202 LF	String Lights (Field Measure for Exact Run Lengths), American Lighting Festoon - LFS-12V-1.5W-LED-WW

NOTES:

1. See enlarged lighting plans for detailed lighting layouts / notes.
2. Above fixture PROJECT totals are for ENTIRE site.
3. See building electrical plans for exterior architectural lighting.

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LANDSCAPE ARCHITECTS

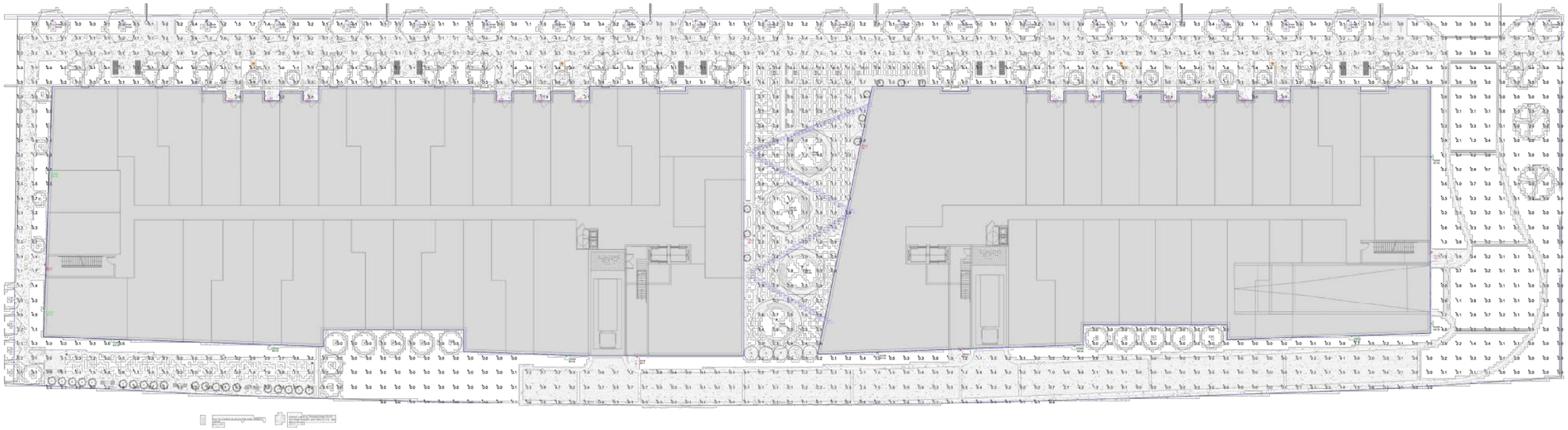
HANOVER 8TH STREET
WASHINGTON, DC # 2018-0430

CONSOLIDATED PUD SUBMISSION
APRIL 4, 2019

0 15 30 60
1" = 30'-0"

LIGHTING PLAN

L17



Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description
	5	BOL	SINGLE	1224	1.000	XBVR-ID-LED-24-400-NW-UE
	6	EA-LG	SINGLE	1624	1.000	7176-34-H16LED-40K
	10	FLOOD	SINGLE	1432	1.000	EL700NF-12L4K
	110	LAMP	SINGLE	47	1.000	LFS-12V-1.5-LED-WW
	4	POST	SINGLE	4818	1.000	GC7030-60WLED-T3
	13	STEP	SINGLE	188	1.000	FCSL105-120V-4K-190LM
	4	UP-LG	SINGLE	939	1.000	EL700F3-9L4K
	21	UP-SM	SINGLE	807	1.000	EL700F3-7L4K

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
GROUND_Planar	Illuminance	Fc	1.00	43.8	0.0	N.A.	N.A.

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LANDSCAPE
ARCHITECTS

HANOVER 8TH STREET
WASHINGTON, DC # 2018-0430

CONSOLIDATED PUD SUBMISSION
APRIL 4, 2019

N/A

PHOTOMETRIC MAP

Civil Exhibits

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STANDARD DRAWING LEGEND

FOR ENTIRE PLAN SET
(NOT TO SCALE)

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE	EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
	ONSITE PROPERTY LINE / R.O.W. LINE		OH	OVERHEAD WIRE	OH
	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE		T	UNDERGROUND TELEPHONE LINE	T
	EASEMENT LINE		C	UNDERGROUND CABLE LINE	C
	SETBACK LINE			STORM SEWER	
			S	SANITARY SEWER MAIN	S
	CONCRETE CURB & GUTTER	CURB AND GUTTER SPILL CURB | TRANSITION CURB DEPRESSED CURB AND GUTTER		HYDRANT	
			S	SANITARY MANHOLE	
			D	STORM MANHOLE	
	UTILITY POLE WITH LIGHT		WM	WATER METER	
	POLE LIGHT		WV	WATER VALVE	
	TRAFFIC LIGHT			GAS VALVE	
	UTILITY POLE			GAS METER	
	TYPICAL LIGHT			TYPICAL END SECTION	
	ACORN LIGHT			HEADWALL OR ENDWALL	OR
	TYPICAL SIGN			YARD INLET	
X	PARKING COUNTS	X		CURB INLET	
				CLEAN OUT	
170 169	CONTOUR LINE	190 187	E	ELECTRIC MANHOLE	E
TC 516.4 OR 516.4	SPOT ELEVATIONS	TC 516.00 TC 516.00 BC 515.55	T	TELEPHONE MANHOLE	T
			EB	ELECTRIC BOX	EB
SAN #	SANITARY LABEL	SAN #	EP	ELECTRIC PEDESTAL	EP
X #	STORM LABEL	X #		MONITORING WELL	
SL	SANITARY SEWER LATERAL	SL		TEST PIT	
W	UNDERGROUND WATER LINE	W		BENCHMARK	
E	UNDERGROUND ELECTRIC LINE	E		BORING	
G	UNDERGROUND GAS LINE	G			

GENERAL NOTES:

1. THE PLAN IS BASED ON THE FOLLOWING DOCUMENTS AND INFORMATION

   A. ENTITLED: "ALTA/ACSM LAND TITLE SURVEY, THE HANOVER COMPANY, LOT 15, SQUARE 3382 AND A&T LOT 804, SQUARE 3835, 3201 & 3135 8TH STREET NE, DISTRICT OF COLUMBIA", PREPARED BY: BOHLER ENGINEERING, PROJECT NUMBER: SRW182079, DATED: 08/19/18

   B. DIGITAL ARCHITECTURAL PLANS: ENTITLED: "180430 SPv28.5.DWG," PREPARED BY: KTGY ARCHITECTS, DATE RECEIVED: 03/05/19

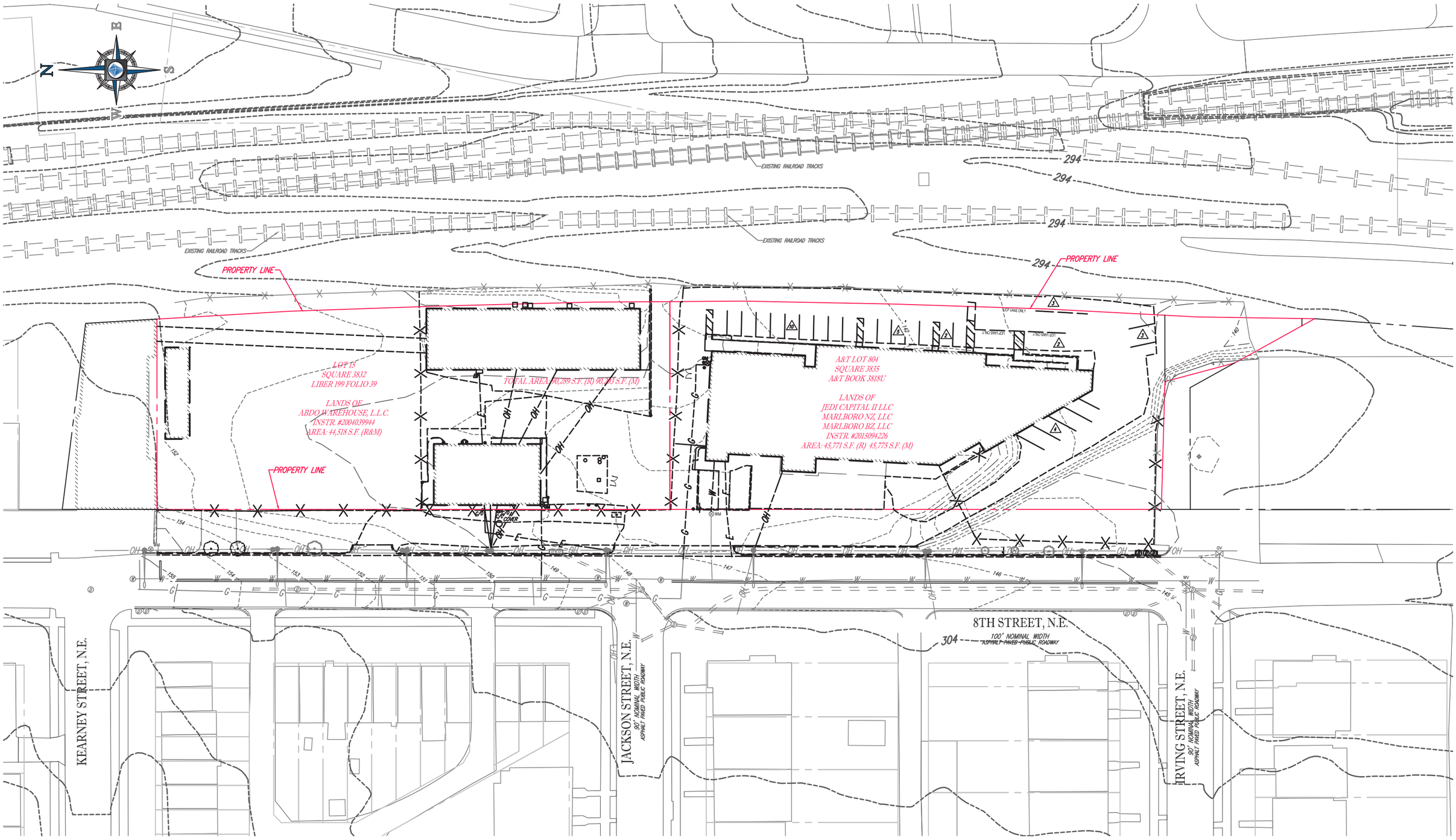
   C. DIGITAL LANDSCAPE PLANS: ENTITLED: "WSP-BROOKLAND-GROUND.DWG," PREPARED BY: GWH LANDSCAPE ARCHITECTS, DATE RECEIVED: 03/20/19

2. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARK OUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE, AND TYPE BY THE PROPER UTILITY COMPANIES.

SHEET INDEX

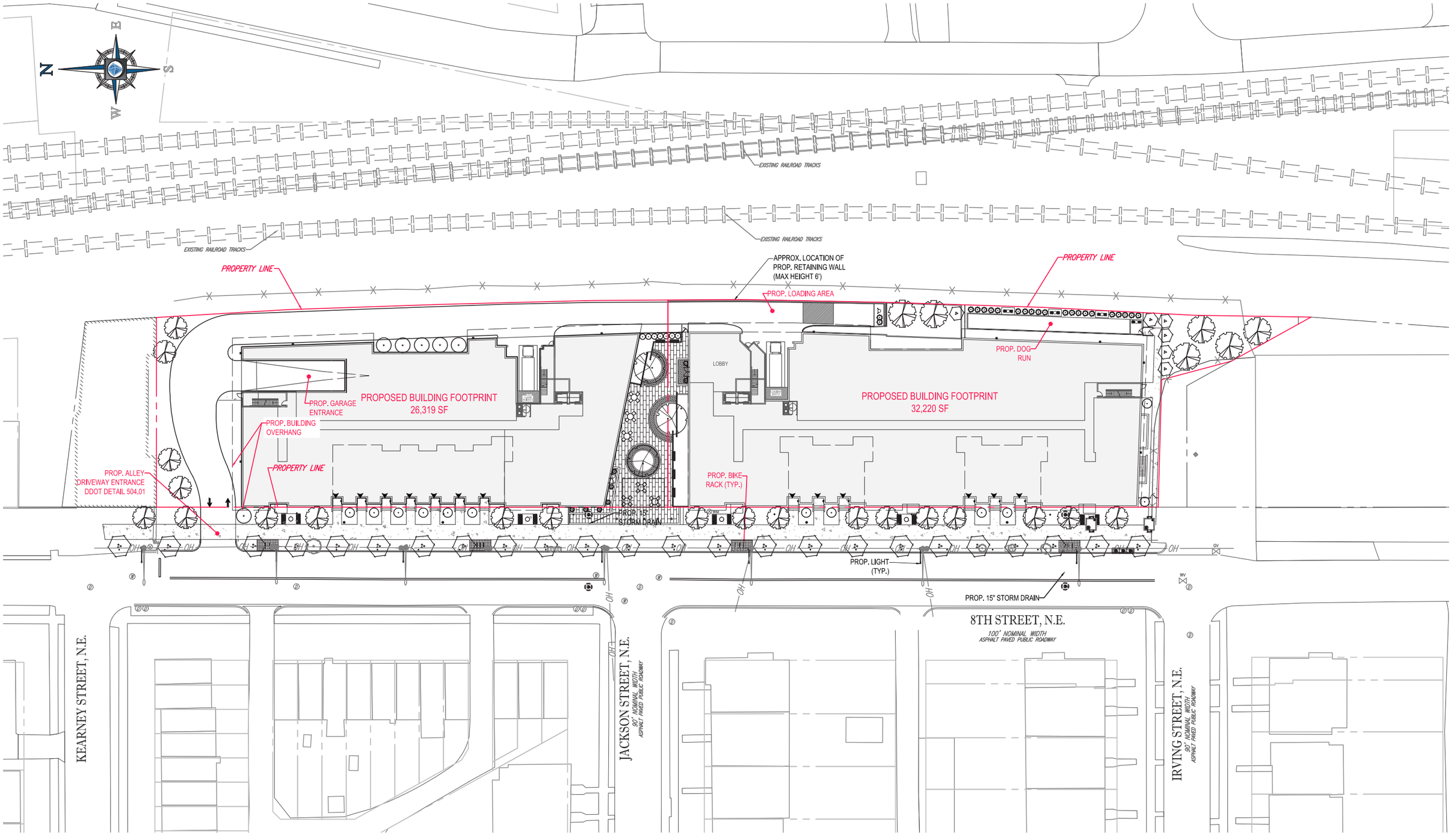
DEVELOPER
THE HANOVER COMPANY
CORPORATE OFFICE
5847 SAN FELIPE, SUITE 3600
HOUSTON, TX 77057

GENERAL NOTES AND LEGEND



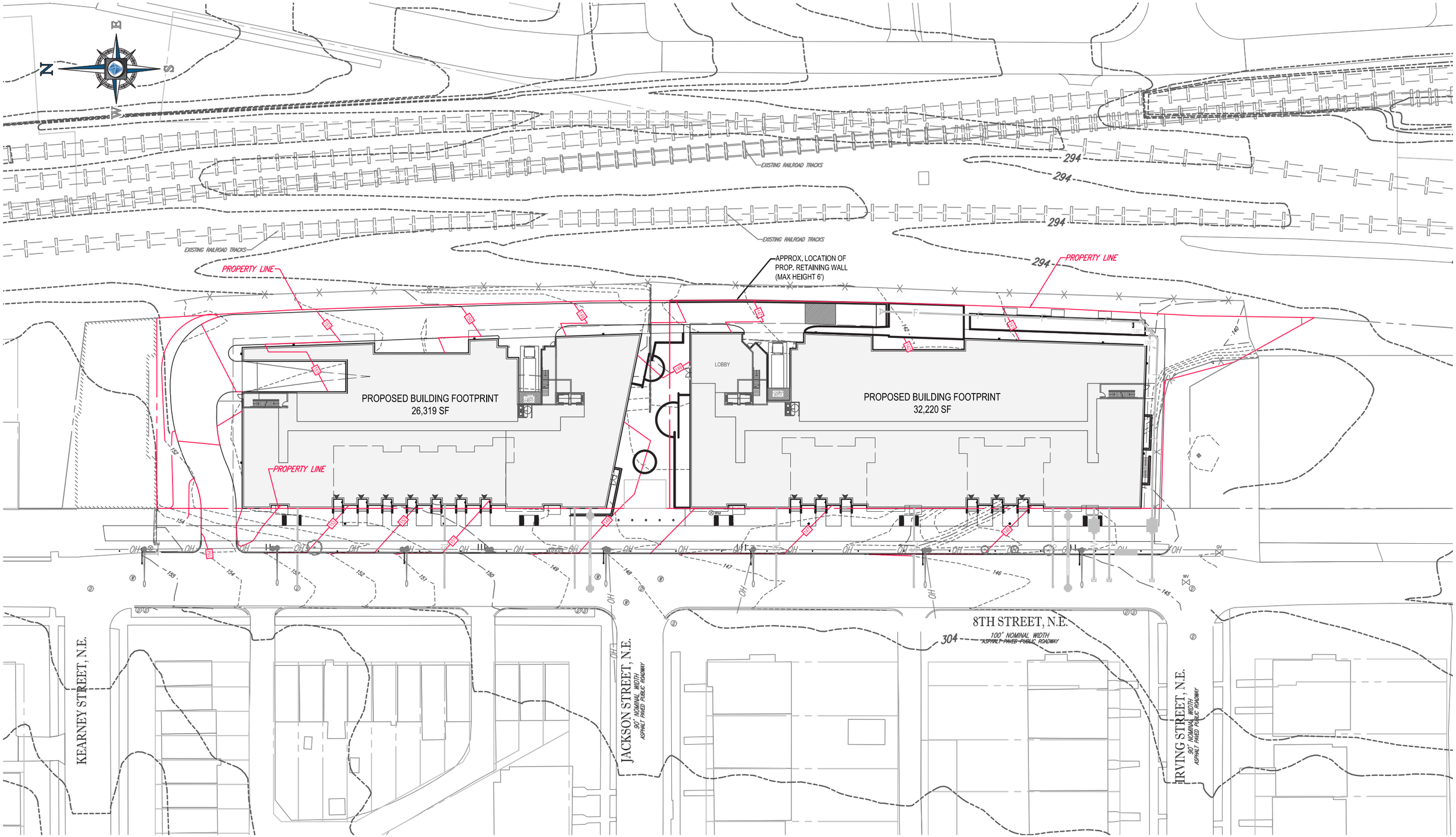
EXISTING CONDITIONS PLAN

SCALE: 1" = 60'



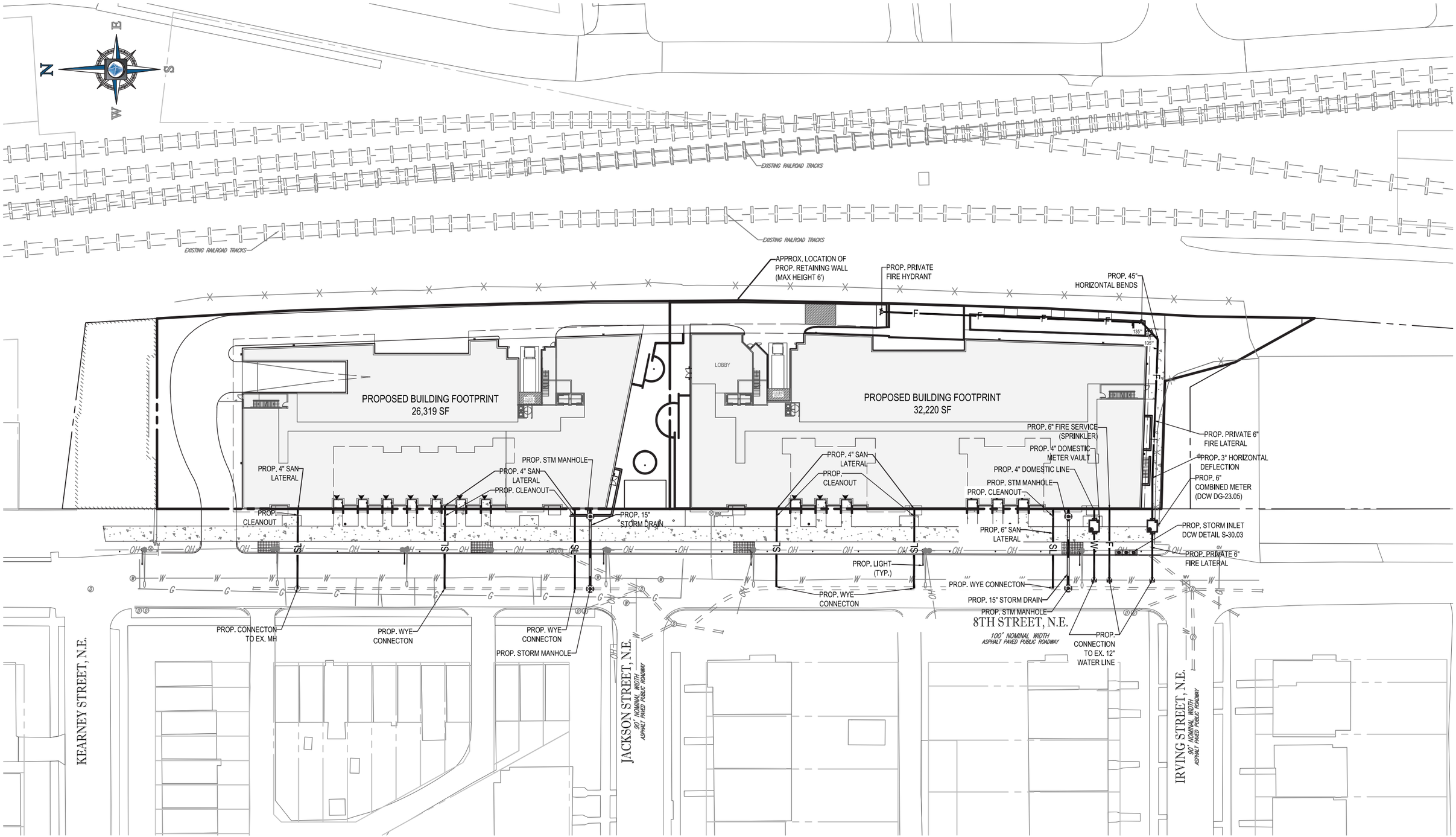
SITE PLAN

SCALE: 1" = 60'



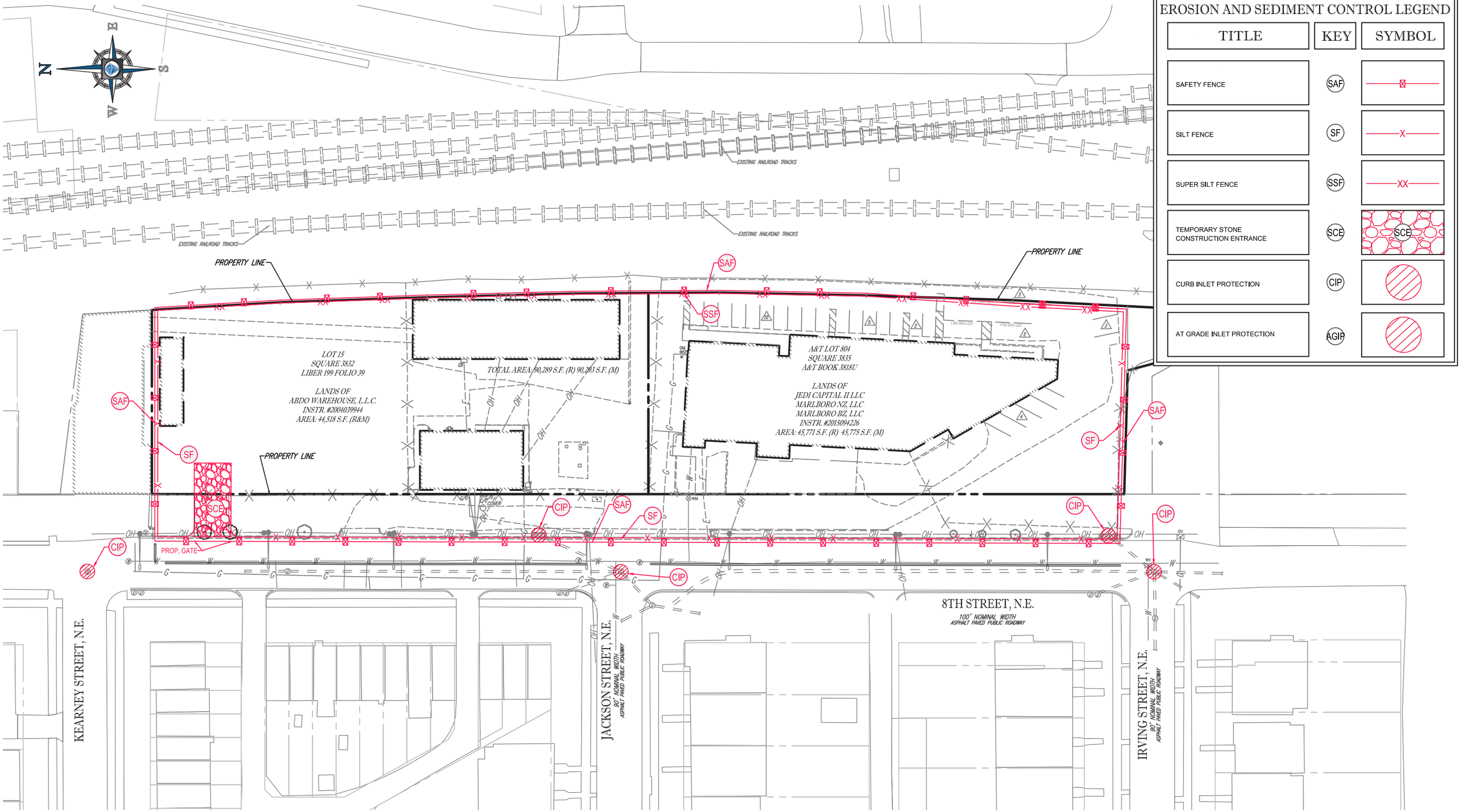
GRADING PLAN

SCALE: 1" = 60'



UTILITY PLAN

SCALE: 1" = 60'

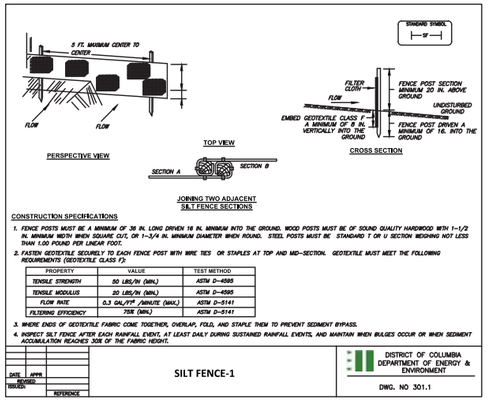


EROSION AND SEDIMENT CONTROL LEGEND

TITLE	KEY	SYMBOL
SAFETY FENCE	SAF	
SILT FENCE	SF	
SUPER SILT FENCE	SSF	
TEMPORARY STONE CONSTRUCTION ENTRANCE	SCE	
CURB INLET PROTECTION	CIP	
AT GRADE INLET PROTECTION	AGIP	

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 60'



CONSTRUCTION SPECIFICATIONS

1. FENCE POSTS MUST BE A MINIMUM OF 36 IN. LONG DRIVEN 16 IN. MINIMUM INTO THE GROUND. WOOD POSTS MUST BE OF SOUND QUALITY HARDWOOD WITH 1-1/2 IN. MINIMUM WIDTH WHEN SQUARE CUT, OR 1-3/4 IN. MINIMUM DIAMETER WHEN ROUND. STEEL POSTS MUST BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
2. FASTEN GEOTEXTILE SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION. GEOTEXTILE MUST MEET THE FOLLOWING REQUIREMENTS (GEOTEXTILE CLASS F):

PROPERTY	VALUE	TEST METHOD
TENSILE STRENGTH	50 LBS/IN (MIN.)	ASTM D-4595
TENSILE MODULUS	20 LBS/IN (MIN.)	ASTM D-4595
FLOW RATE	0.3 GAL/FT²/MINUTE (MAX.)	ASTM D-5141
FILTERING EFFICIENCY	75% (MIN.)	ASTM D-5141

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, OVERLAP, FOLD, AND STAPLE THEN TO PREVENT SEDIMENT BYPASS.
4. INSPECT SILT FENCE AFTER EACH RAINFALL EVENT, AT LEAST DAILY DURING SUSTAINED RAINFALL EVENTS, AND MAINTAIN WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 30% OF THE FABRIC HEIGHT.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

SILT FENCE-1

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 301.1

SOURCE: 2011 MARYLAND STANDARDS & SPECIFICATIONS

SILT FENCE DESIGN CRITERIA:

TABLE 3.1: SILT FENCE SLOPE LENGTH AND FENCE LENGTH CONSTRAINTS		
SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM) (FEET)	SILT FENCE LENGTH (MAXIMUM) (FEET)
FLATTER THAN 50:1 (2%)	UNLIMITED	UNLIMITED
> 50:1 TO 10:1 (2% to 10%)	125	1,000
> 10:1 TO 5:1 (10% to 20%)	100	750
> 5:1 TO 3:1 (20% to 33%)	60	500
> 3:1 TO 2:1 (33% to 50%)	40	250
> 2:1 (> 50%)	20	125

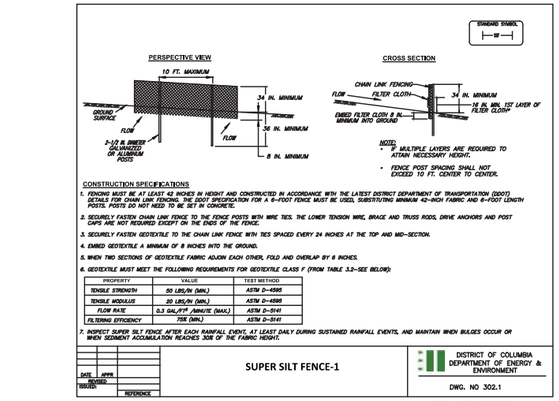
NOTE:
- IN AREAS OF LESS THAN 2% SLOPE AND SANDY SOILS (USDA GENERAL CLASSIFICATION SYSTEM, SOIL CLASS A) MAXIMUM SLOPE LENGTH AND SILT FENCE LENGTH WILL BE UNLIMITED. IN THESE AREAS A SILT FENCE MAY BE THE ONLY PERIMETER CONTROL REQUIRED.
- TO AVOID CIRCUMVENTION, EXTEND THE ENDS OF THE SILT FENCE UPSLOPE TO PREVENT WATER AND SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

SILT FENCE-2

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 301.2



NOTE:
- IF MULTIPLE LAYERS ARE REQUIRED TO ATTAIN NECESSARY HEIGHT.
- FENCE POST SPACING SHALL NOT EXCEED 10 FT. CENTER TO CENTER.

CONSTRUCTION SPECIFICATIONS

1. FENCING MUST BE AT LEAST 42 INCHES IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST DISTRICT DEPARTMENT OF TRANSPORTATION (DDOT) DETAILS FOR CHAIN LINK FENCING. THE DDOT SPECIFICATION FOR A 6-FOOT FENCE MUST BE USED, SUBSTITUTING MINIMUM 42-INCH FABRIC AND 6-FOOT LENGTH POSTS. POSTS DO NOT NEED TO BE SET IN CONCRETE.
2. SECURELY FASTEN CHAIN LINK FENCE TO THE FENCE POSTS WITH WIRE TIES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, DRIVE ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
3. SECURELY FASTEN GEOTEXTILE TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID-SECTION.
4. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES INTO THE GROUND.
5. WHEN TWO SECTIONS OF GEOTEXTILE FABRIC ADJOIN EACH OTHER, FOLD AND OVERLAP BY 6 INCHES.
6. GEOTEXTILE MUST MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F (FROM TABLE 3.2–SEE BELOW):

PROPERTY	VALUE	TEST METHOD
TENSILE STRENGTH	50 LBS/IN (MIN.)	ASTM D-4595
TENSILE MODULUS	20 LBS/IN (MIN.)	ASTM D-4595
FLOW RATE	0.3 GAL/FT²/MINUTE (MAX.)	ASTM D-5141
FILTERING EFFICIENCY	75% (MIN.)	ASTM D-5141

7. INSPECT SUPER SILT FENCE AFTER EACH RAINFALL EVENT, AT LEAST DAILY DURING SUSTAINED RAINFALL EVENTS, AND MAINTAIN WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 30% OF THE FABRIC HEIGHT.

DATE	APPR.
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ISSUED	
	REFERENCE

SUPER SILT FENCE-1

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 302.1

SOURCE: 2011 MARYLAND STANDARDS & SPECIFICATIONS

SUPER SILT FENCE DESIGN CRITERIA:

TABLE 3.3: SUPER SILT FENCE SLOPE LENGTH AND FENCE LENGTH CONSTRAINTS			
SLOPE	SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM) (FEET)	SUPER SILT FENCE LENGTH (MAXIMUM) (FEET)
0 – 10%	0 – 10:1	Unlimited	Unlimited
10 – 20%	10:1 – 5:1	200	1,500
20 – 33%	5:1 – 3:1	150	1,00
33 – 50%	3:1 – 2:1	100	500
> 50%	> 2:1	50	250

NOTE:
- TO AVOID CIRCUMVENTION, EXTEND THE ENDS OF THE SILT FENCE 5 HORIZONTAL FEET UPSLOPE AT 45–DEGREE ANGLES RELATIVE TO THE MAIN FENCE ALIGNMENT TO PREVENT SEDIMENT ACCUMULATION.

DATE	APPR.
REVISED	
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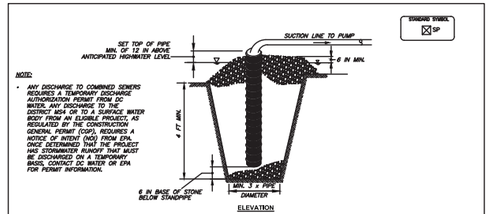
	REFERENCE

SUPER SILT FENCE-2

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 302.2



NOTE:
- ANY DISCHARGE TO COMBINED SEWERS REQUIRES A SURFACE DISCHARGE AUTHORIZATION PERMIT FROM DC WATER. ANY DISCHARGE TO THE DISTRICT MS4 OR TO A SURFACE WATER BODY FROM AN ELIGIBLE PROJECT, AS REGULATED BY THE CONSTRUCTION GENERAL PERMIT (CGP), REQUIRES A NOTICE OF INTENT (NOI) FROM EPA. ONCE DETERMINED THAT THE PROJECT HAS STORMWATER RUNOFF THAT MUST BE DISCHARGED ON A TEMPORARY BASIS, CONTACT DC WATER OR EPA FOR PERMIT INFORMATION.

CONSTRUCTION SPECIFICATIONS

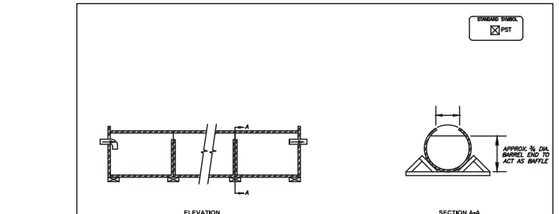
1. WRAP THE PIPE WITH ½ INCH GALVANIZED HARDWARE CLOTH AND THEN GEOTEXTILE OVER THE HARDWARE CLOTH.
2. EXCAVATE THE PIT TO 3 TIMES THE PIPE DIAMETER AND 4 FEET IN DEPTH. PLACE CLEAN ⅝ TO 1-½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 6 INCHES IN DEPTH PRIOR TO PIPE PLACEMENT.
3. SET THE TOP OF PIPE A MINIMUM OF 12 INCHES ABOVE THE ANTICIPATED WATER SURFACE ELEVATION.
4. BACKFILL PIT AROUND THE OUTER PIPE WITH ⅝ TO 1-½ INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE AND EXTEND STONE A MINIMUM OF 6 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION.
5. PLACE THE SUCTION HOSE FROM THE PUMP INSIDE THE PIPE TO BEGIN DEWATERING. PLACE THE DISCHARGE HOSE IN A STABILIZED AREA DOWNSLOPE OF UNSTABILIZED AREAS TO PREVENT EROSION. MEADOW OR WOODED AREAS ARE PREFERRED DISCHARGE LOCATIONS BUT STORM DRAINS AND PAVED AREAS ARE ACCEPTABLE.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

SUMP PIT

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 702.1



CONSTRUCTION SPECIFICATIONS

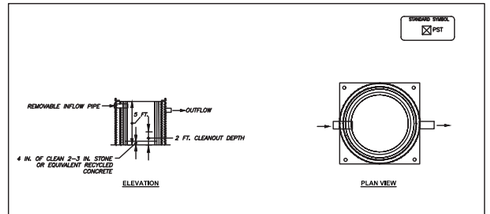
1. CONSTRUCT THE STRUCTURE WITH STEEL DRUMS, STURDY WOOD, OR OTHER MATERIAL SUITABLE FOR HANDLING THE PRESSURE EXERTED BY THE VOLUME OF WATER.
2. SEDIMENT TANKS HAVE A MINIMUM DEPTH OF 2 FEET.
3. ONCE THE WATER LEVEL NEARS THE TOP OF THE TANK, SHUT OFF THE PUMP WHILE THE TANK DRAINS AND ADDITIONAL CAPACITY IS MADE AVAILABLE.
4. DESIGN THE TANK TO ALLOW FOR EMERGENCY FLOW OVER TOP OF THE TANK.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

PORTABLE SEDIMENT TANK - 1 (HORIZONTAL)

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 703.1



CONSTRUCTION SPECIFICATIONS

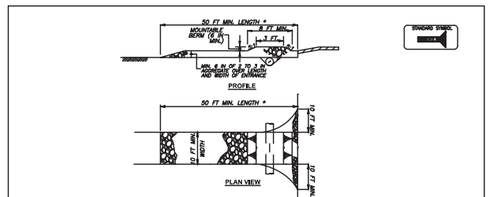
1. USE 60 INCH CORRUGATED METAL OR PLASTIC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER FOR THE INNER PIPE. LINE PIPE WITH NONWOVEN GEOTEXTILE SANDWICHED BETWEEN, AND ATTACHED TO, ½ INCH HARDWARE CLOTH.
2. OVERLAP GEOTEXTILE 8 INCHES MINIMUM AT VERTICAL SEAM AND AT THE BOTTOM PLATE.
3. ANCHOR GEOTEXTILE AT BOTTOM OF TANK WITH 4 INCHES OF 2 TO 3 INCH CLEAN STONE OR EQUIVALENT RECYCLED CONCRETE.
4. USE 72 INCH CORRUGATED METAL OR PLASTIC OUTER PIPE WITH PERMANENT OUTFLOW PIPE WITH INVERT LOWER THAN INFLOW PIPE.
5. INFLOW PIPE MUST DISCHARGE INTO INNER PIPE AND BE REMOVABLE.
6. PLACE TANK ON LEVEL SURFACE AND DISCHARGE TO A STABLE AREA AT A NON-EROSIVE RATE.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

PORTABLE SEDIMENT TANK - 2 (VERTICAL)

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 703.2



CONSTRUCTION SPECIFICATIONS

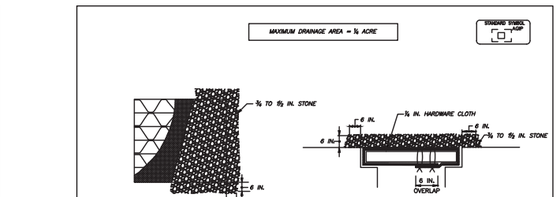
1. PLACE THE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE A MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE-FAMILY RESIDENCE LOT) AND A MINIMUM WIDTH OF 10 FEET. FLARE THE SCE AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. PROVIDE PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN THE SCE IS NOT LOCATED AT A HIGH SPOT.
3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE.
4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

STABILIZED CONSTRUCTION ENTRANCE

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 201.1



CONSTRUCTION SPECIFICATIONS

1. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS, SECURE WITH WIRE TIES, THEN SET GRATE BACK IN PLACE.
2. PLACE CLEAN ⅝ TO 1-½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE, 4 TO 6 INCHES THICK ON THE GRATE TO SECURE THE FABRIC.
3. IF THERE ARE ANY SIGNS OF STREET FLOODING OR WATER PONDING, THIS STRUCTURE MUST BE CLEANED OR REPLACED, OR REDESIGNED WITH A VIABLE ALTERNATIVE.

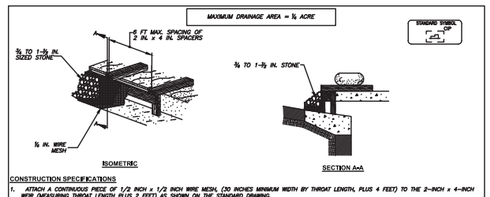
DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

AT GRADE INLET PROTECTION
STORM DRAIN INLET PROTECTION

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.2

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS



CONSTRUCTION SPECIFICATIONS

1. ATTACH A CONTINUOUS PIECE OF 1/2 INCH x 1/2 INCH WIRE MESH, (30 INCHES MINIMUM WIDTH BY THROAT LENGTH, PLUS 4 FEET) TO THE 2-INCH x 4-INCH WIER (MEASURING THROAT LENGTH PLUS 2 FEET) AS SHOWN ON THE STANDARD DRAWING.
2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E OF THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2-INCH x 4-INCH WIER.
3. SECURELY NAIL THE 2-INCH x 4-INCH WIER TO A 9-INCH LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAXIMUM 4 FEET APART).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2-FOOT LENGTHS OF 2-INCHES x 4-INCHES TO THE TOP OF THE WEIR AT SPACER LOCATIONS). EXTEND THESE 2-INCH x 4-INCH ANCHORS ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
5. PLACE THE ASSEMBLY SO THAT THE END SPACERS ARE 1 FOOT BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE 1/2-INCH x 1/2-INCH WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4 TO 1-1/2 INCH STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE GEOTEXTILE FABRIC AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
8. ASSURE THAT STORM FLOWS DO NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW TO THE INLET.
9. IF THERE ARE ANY SIGNS OF STREET FLOODING OR WATER PONDING, THIS STRUCTURE MUST BE CLEANED OR REPLACED, OR REDESIGNED WITH A VIABLE ALTERNATIVE SUCH AS 3.3 FILTER SOCK.

*NOTE: FILTER SOCK IS AN ALTERNATIVE WHICH IS EASIER TO INSTALL AND MAINTAIN THAN THIS STANDARD DESIGN.

DATE	APPR.
REVISED	
ISSUED	
	REFERENCE

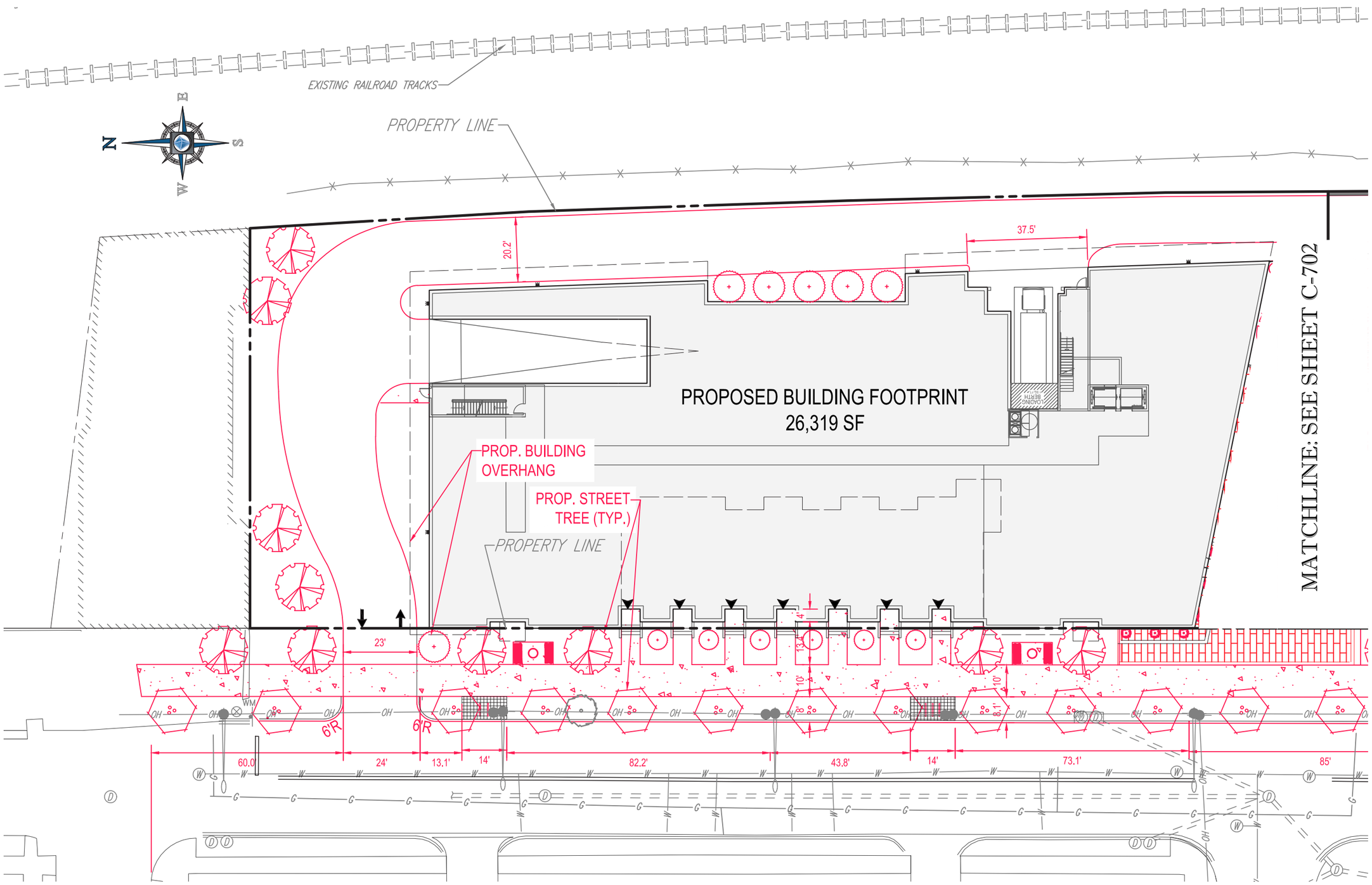
CURB INLET PROTECTION
STORM DRAIN INLET PROTECTION

DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT

DWG. NO 307.3

SOURCE: 2011 MARYLAND STANDARDS AND SPECIFICATIONS

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS



PUBLIC SPACE PLAN

SCALE: 1" = 30"

EXISTING RAILROAD TRACKS

PROPERTY LINE

N E S W

39'

47.7'

LOBBY

LOADING BERTH

PROPOSED BUILDING FOOTPRINT
32,220 SF

PROP. DOG RUN

PROP. BIKE RACK (TYP.)

MATCHLINE; SEE SHEET C-701

WM

10'

8.3'

PROP. STREET TREE (TYP.)

110.6'

PROP. LIGHT (TYP.)

85'

11.7'

2.8'

91.1'

11.8'

2.2'

50.9'

OH

GV

WV

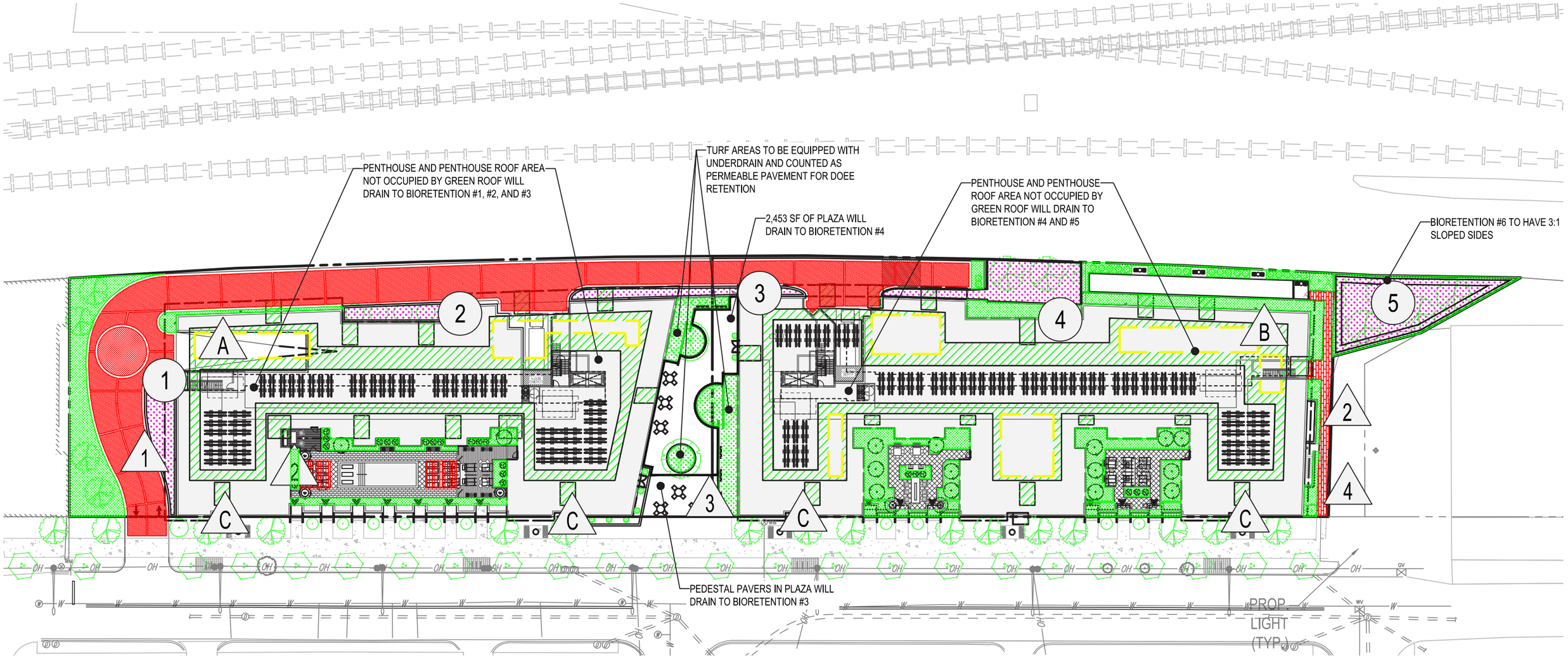
W

G

D

PUBLIC SPACE PLAN

SCALE: 1" = 30"



STORMWATER MANAGEMENT SUMMARY

THE VOLUME REQUIRED TO BE RETAINED ON-SITE (SWRv) IS 7,922 CUBIC FEET. THE VOLUME REQUIREMENT FOR THE PUBLIC RIGHT OF WAY WILL BE DETERMINED ONCE STREETSCAPE IMPROVEMENTS HAVE BEEN FINALIZED.

GREEN ROOF AREAS LOCATED ON VARIOUS LEVELS OF THE PROPOSED BUILDINGS AS WELL AS BIORETENTION, PERMEABLE PAVEMENT, AND TREE PLANTING ON THE GROUND FLOOR. SEE STORMWATER MANAGEMANT NARRATIVE ON SHEET CIV902 FOR ADDITIONAL INFORMATION AND CALCULATIONS.

THE SIZE AND DEPTH OF THE GREEN ROOF, PERMEABLE PAVEMENT, AND BIORETENTION AREAS WILL BE DETERMINED WITH FINAL CONSTRUCTION DOCUMENTS.

LEGEND

- 8" GREEN ROOF (13,994 SF)
- BIORETENTION (SEE SHEET C-902 FOR BIORETENTION-SPECIFIC MEDIA SECTIONS, 4,923 SF TOTAL)
- PERMEABLE PAVEMENT (8" RESERVOIR LAYER ASSUMED - 13,731 SF TOTAL)
- COMPACTED COVER AREA (9,373 SF ASSUMED INCLUDES PLAZA TURF, COURTYARD TURF AND GROUND COVER)
- SOLAR PANEL AREA (3,400 SF TOTAL)
- 1 — DENOTES PERMEABLE PAVEMENT
- A — DENOTES GREEN ROOF AREA
- 1 — DENOTES BIORETENTION AREA
- PROPOSED TREE (MATURE SPREAD GREATER THAN 35')

STORMWATER MANAGEMENT PLAN

SCALE: 1" = 60'

GREEN ROOF TABLE:

GREEN ROOF#	SURFACE AREA (SF)	TOTAL CDA (SF)	PROP. IMP (SF)	MEDIA DEPTH (in.)	DRAINAGE LAYER DEPTH (IN)	LOCATION	STORAGE PROVIDED	Max SWRv	**SWRv PROVIDED**	NOTES
A	5,175	5,175	5,175	8	1		1617	696	696	NORTH ROOF
B	6,212	6,212	6,212	8	1		1941	836	836	SOUTH ROOF
C	2,607	2,607	2,607	8	1		815	351	351	COMBO PENTHOUSE GR
						TOTAL	4,373	1,883	**1,883**	

MEDIA RETENTION VALUE	0.45
DRAINAGE LAYER RETENTION VALUE	0.15

PERMEABLE PAVEMENT TABLE:

FACILITY	SA (SF)	SWRv (CF)	Storage (CF)	Gravel D(ft)
1	10,999	495	2579	0.67
2	448	20	105	0.67
3	1,581	71	371	0.67
4	703	32	165	0.67
Total	**13,731**	**618**	**3220**	

BIORETENTION TABLE:

FACILITY	SURFACE AREA, BOT. (SF)	SURFACE AREA, TOP (SF)	TOTAL CDA (SF)	PROP. IMP (SF)	PROP. PERV (SF)	FREEBOARD (FT)	PONDING DEPTH (FT)	MEDIA DEPTH (FT)	GRAVEL DEPTH (FT)	STORAGE PROVIDED	SWRv (CF)	Max SWRv	**SWRv PROVIDED**
1	638	638	6,656	6,018	0	0.25	1	3.5	1	1,451	871	896	**871**
2	446	446	3,455	3,009	0	0.25	1	1.5	1	792	475	465	**465**
3	464	464	9,881	9,417	0	0.25	1	3.0	1	998	599	1,330	**599**
4	1,278	1,278	11,330	10,052	0	0.25	1	3.0	1	2,748	1,649	1,525	**1,525**
5	1,461	2,097	13,847	11,398	352	0.5	1	2.0	1	3,094	1,856	1,829	**1,829**
									TOTAL	9,082	5,449	6,044	5,288

TREE PLANTING TABLE:

Activity	Trees	SWRv (CF)	Storage
tree planting (evergreen screening)	14	140	0

SUMMARY

SWRv REQUIRED = 7,922 CF
SWRv PROVIDED = 7,929 CF

STORAGE REQUIRED = 13,880 CF
STORAGE PROVIDED = 16,675 CF

STORMWATER MANAGEMENT PLAN

SCALE: 1" = 60'

GAR SCORESHEET

Green Area Ratio Scoresheet

Address: 3135 8th Street, NE | Square: 3832, 3835 | Lot: 15, 804 | Zone District: MU-4

Other:

Lot size (enter this value first) *

Lot area (sf)	Minimum Score	Multiplier	GAR Score
90,293	0.3	SCORE:	0.308

	Landscape Elements	Square Feet	Factor		Total
A	**Landscaped areas (select one of the following for each area)**				
1	Landscaped areas with a soil depth < 24"	square feet	0.30		-
2	Landscaped areas with a soil depth ≥ 24"	9,373 square feet	0.60		5,623.8
3	Bioretention facilities	4,923 square feet	0.40		1,969.2
B	**Plantings (credit for plants in landscaped areas from Section A)**			Native Bonus	
1	Groundcovers, or other plants < 2' height	500 square feet	0.20	square feet	100.0
2	Plants ≥ 2' height at maturity - calculated at 9-sf per plant	500 # of plants / 4500	0.30	# of plants	1,350.0
3	New trees with less than 40-foot canopy spread - calculated at 50 sq ft per tree	14 # of trees / 700	0.50	# of trees	350.0
4	New trees with 40-foot or greater canopy spread - calculated at 250 sq ft per tree	# of trees / 0	0.60	# of trees	-
5	Preservation of existing tree 6" to 12" DBH - calculated at 250 sq ft per tree	# of trees / 0	0.70	# of trees	-
6	Preservation of existing tree 12" to 18" DBH - calculated at 600 sq ft per tree	# of trees / 0	0.70	# of trees	-
7	Preservation of existing trees 18" to 24" DBH - calculated at 1300 sq ft per tree	# of trees / 0	0.70	# of trees	-
8	Preservation of existing trees 24" DBH or greater - calculated at 2000 sq ft per tree	# of trees / 0	0.80	# of trees	-
9	Vegetated wall, plantings on a vertical surface	square feet	0.60	square feet	-
C	**Vegetated or "green" roofs**				
1	Over at least 2" and less than 8" of growth medium	square feet	0.60	square feet	-
2	Over at least 8" of growth medium	13,994 square feet	0.80	square feet	11,195.2
D	**Permeable Paving*** **				
1	Permeable paving over 6" to 24" of soil or gravel	13,731 square feet	0.40		5,492.4
2	Permeable paving over at least 24" of soil or grave	square feet	0.50		-
E	**Other**				
1	Enhanced tree growth systems***	square feet	0.40		-
2	Renewable energy generation	3,400 square feet	0.50		1,700.0
3	Approved water features	square feet	0.20		-
		sub-total of sq ft = 51,121			
F	**Bonuses**				
1	Native plant species	0 square feet	0.10		-
2	Landscaping in food cultivation	square feet	0.10		-
3	Harvested stormwater irrigation	square feet	0.10		-
			Green Area Ratio numerator =		27,781

*** Permeable paving and structural soil together may not qualify for more than one third of the Green Area Ratio score.
Total square footage of all permeable paving and enhanced tree growth. 5,492