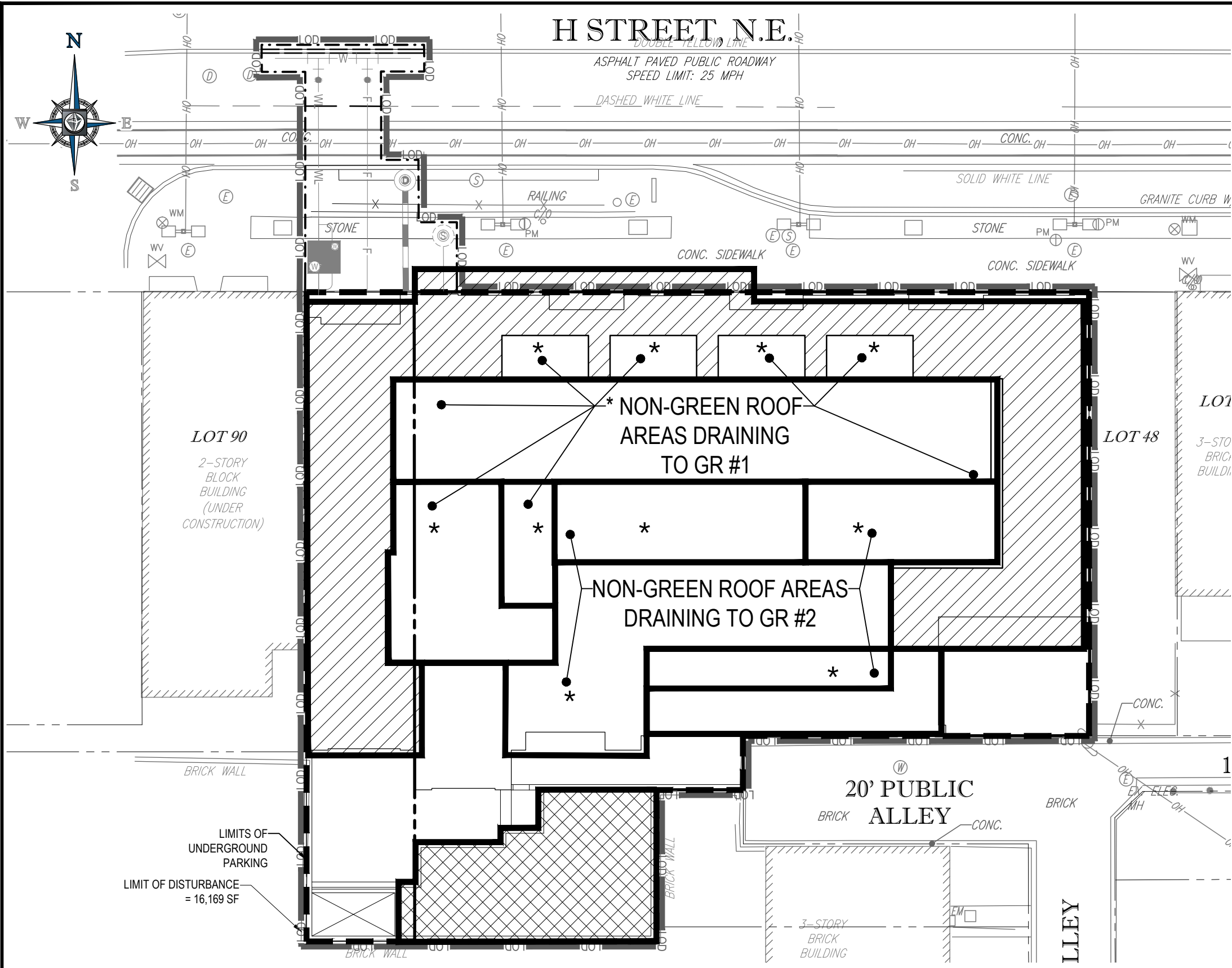




STORMWATER MANAGEMENT SUMMARY

THERE ARE TWO REQUIREMENTS TO SATISFY THE CURRENT STORMWATER REGULATIONS - THE ON-SITE RETENTION VOLUME AND THE PUBLIC RIGHT-OF-WAY (PROW) RETENTION VOLUME. THE VOLUME REQUIRED TO BE RETAINED ON-SITE (SWRV) IS EQUAL TO APPROXIMATELY 1,378 CUBIC FEET. THE VOLUME REQUIREMENT FOR THE PROW WILL BE DETERMINED ONCE STREETScape AND PUBLIC ALLEY IMPROVEMENTS HAVE BEEN DETERMINED.

TO SATISFY THE ON-SITE RETENTION VOLUME, THE CURRENT DESIGN INCLUDES TWO INTENSIVE GREEN ROOFS WITH A DRAINAGE LAYER. PROPOSED GREEN ROOF AREAS TO MEET RETENTION REQUIREMENTS ARE AN INTENSIVE ROOF WITH APPROXIMATE FOOTPRINT OF 4,350 SF AND 13" MEDIA DEPTH AND AN INTENSIVE ROOF WITH APPROXIMATE FOOTPRINT OF 1,058 SF AND 36" MEDIA DEPTH.

THE SIZE AND DEPTH OF THE GREEN ROOF AREAS WILL BE DETERMINED WITH FINAL CONSTRUCTION DOCUMENTS, HOWEVER THE FINAL DESIGN WILL MEET THE REQUIRED STORMWATER RETENTION VOLUME (1,378 CF).

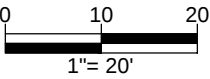
GREEN AREA RATIO SUMMARY

THE GAR FOR A SITE WITHIN THE C-2-B ZONE IS 0.30. TO SATISFY THE GAR REQUIREMENT, THE CURRENT DESIGN INCLUDES APPROXIMATELY 5,408 SF OF INTENSIVE GREEN ROOF (8" AND GREATER), 160 SF OF NATIVE PLANT SPECIES, AND 160 SF OF LANDSCAPING IN FOOD CULTIVATION.

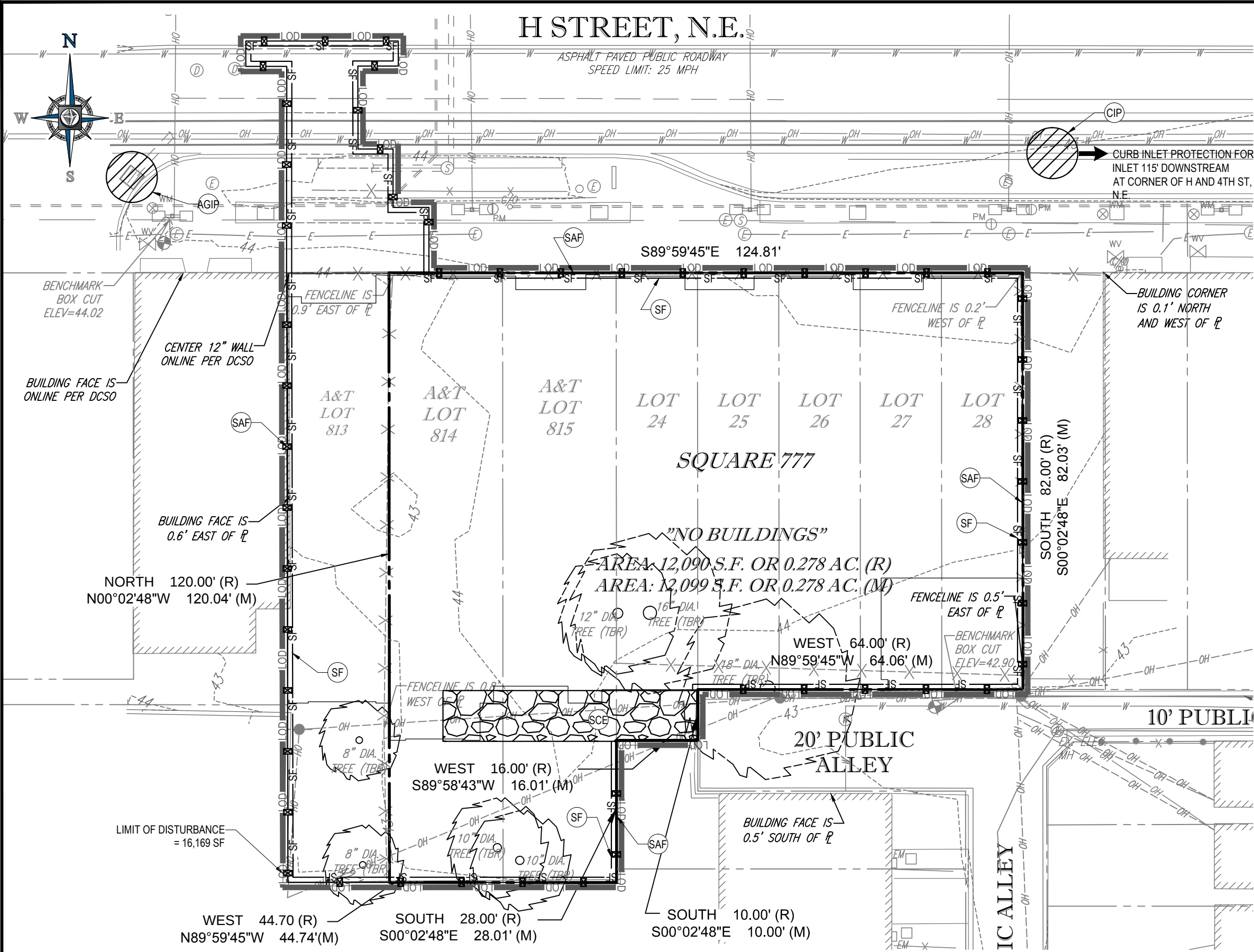
THE SIZE AND DEPTH OF THE GREEN ROOF AREAS ALONG WITH PLANT SPECIES WILL BE DETERMINED WITH FINAL CONSTRUCTION DOCUMENTS, HOWEVER THE FINAL DESIGN WILL MEET THE REQUIRED GREEN AREA RATIO (0.30).

LEGEND

- GREEN ROOF #1 (13" SOIL DEPTH)
- GREEN ROOF #2 (36" SOIL DEPTH)
- NON-GREEN ROOF AREAS DRAINING TO GREEN ROOF
- LIMITS OF UNDERGROUND PARKING



		enter sq ft		
1	Over at least 2" and less than 8" of growth medium		0.6	-
2	Over at least 8" of growth medium	5,408	0.8	4,326.4
D Permeable Paving***				
1	Permeable paving over at least 6" and less than 24" of soil or gravel	0	0.4	-
2	Permeable paving over at least 24" of soil or gravel	0	0.5	-
E Other				
1	Enhanced tree growth systems***	0	0.4	-
2	Renewable energy generation	0	0.5	-
3	Approved water features	0	0.2	-
H Bonuses				
		sub-total of sq ft = 5,408		
1	Native plant species	160	0.1	16.0
2	Landscaping in food cultivation	160	0.1	16.0
3	Harvested stormwater irrigation	0	0.1	-
				Green Area Ratio numerator = 4,358
*** 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				



EROSION & SEDIMENT CONTROL NARRATIVE

EROSION AND SEDIMENT CONTROL AND RUNOFF PROTECTION SHALL BE PROVIDED THROUGH DDOE APPROVED PRACTICES DURING ALL PHASES OF CONSTRUCTION. IT IS ANTICIPATED AT THIS TIME THAT EXISTING DRAINAGE DIVIDES SHALL BE UTILIZED FOLLOWING DEMOLITION OF EXISTING SITE FEATURES. INLET PROTECTION, SAFETY FENCE AND SILT FENCE SHALL BE USED FOR EACH DRAINAGE AREA TO MITIGATE SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. IT IS ANTICIPATED THAT DETAILS OF THIS PLAN SHALL BE DESIGNED AS CONSTRUCTION PHASING FOR THIS PROJECT IS FINALIZED.

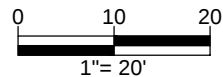
EROSION AND SEDIMENT CONTROL LEGEND

TITLE	KEY	SYMBOL
SAFETY FENCE	SAF	
SILT FENCE	SF	
CURB INLET PROTECTION	CIP	
AT GRADE INLET PROTECTION	AGIP	
STABILIZED CONSTRUCTION ENTRANCE	SCE	
LIMIT OF DISTURBANCE	LOD	

DISTURBANCE ANALYSIS

SITE AREA = 14,502 SF
(A&T LOTS 814-815 AND LOTS 24-28 IN SQUARE 777
(12,099 SQUARE FEET) AND AN ADDITIONAL LOT,
A&T LOT 813 (2403 SQUARE FEET))

DISTURBED AREA = 16,169 SF

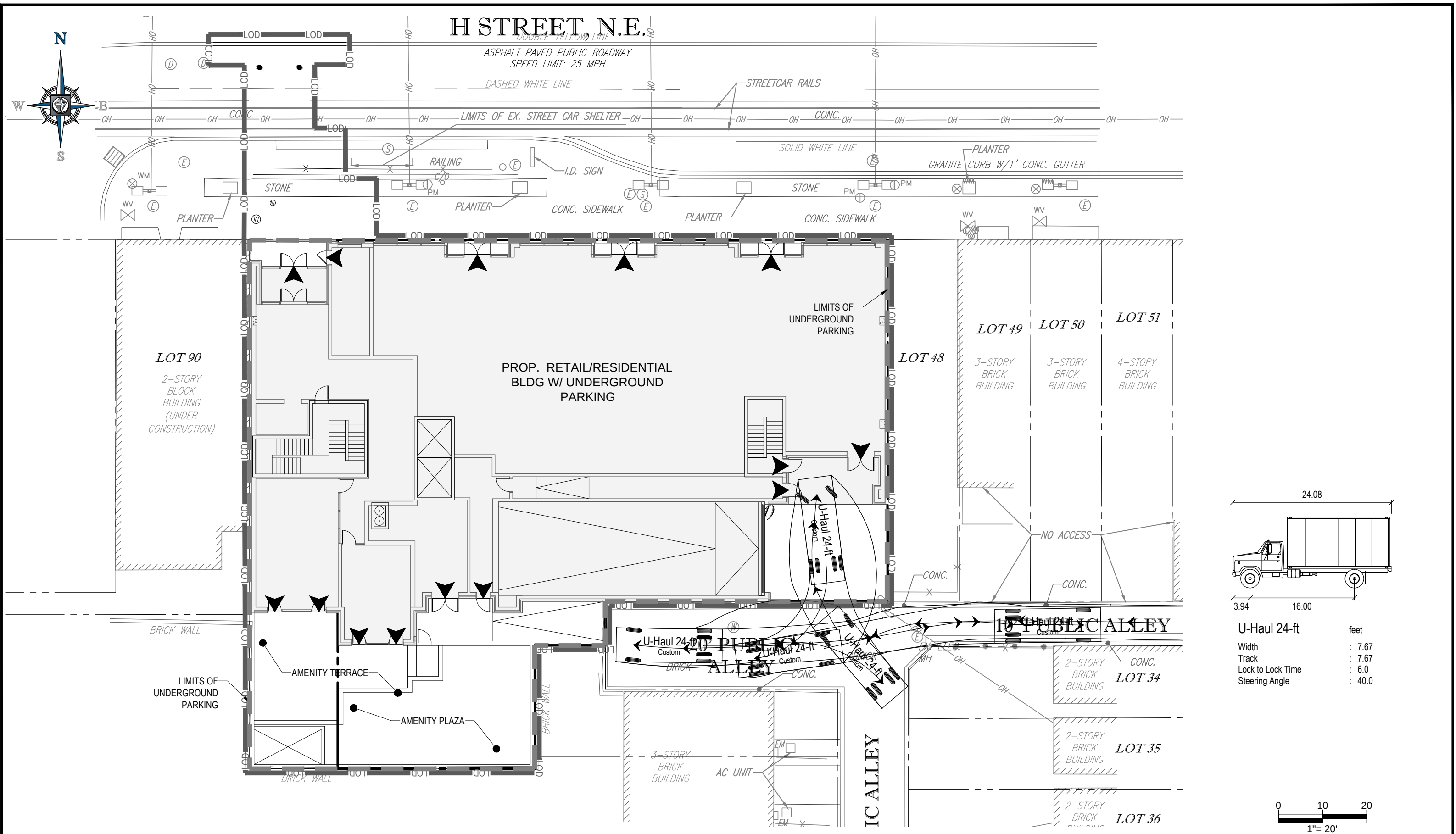


315 H STREET - MRP REALTY
315 H STREET, N.E. - SQUARE 777
DISTRICT OF COLUMBIA



BOHLERTM
DC

1301 PENNSYLVANIA AVE., NW, STE. 825 WASHINGTON, DC 20004
PHONE: (202) 524-5700 FAX: (202) 524-5701



315 H STREET - MRP REALTY
315 H STREET, N.E. - SQUARE 777
DISTRICT OF COLUMBIA

SU-24 CIRCULATION EXHIBIT

C8

SCALE:

 $1'' = 20'$

DATE:

03/19/15

CAD ID:

SS2

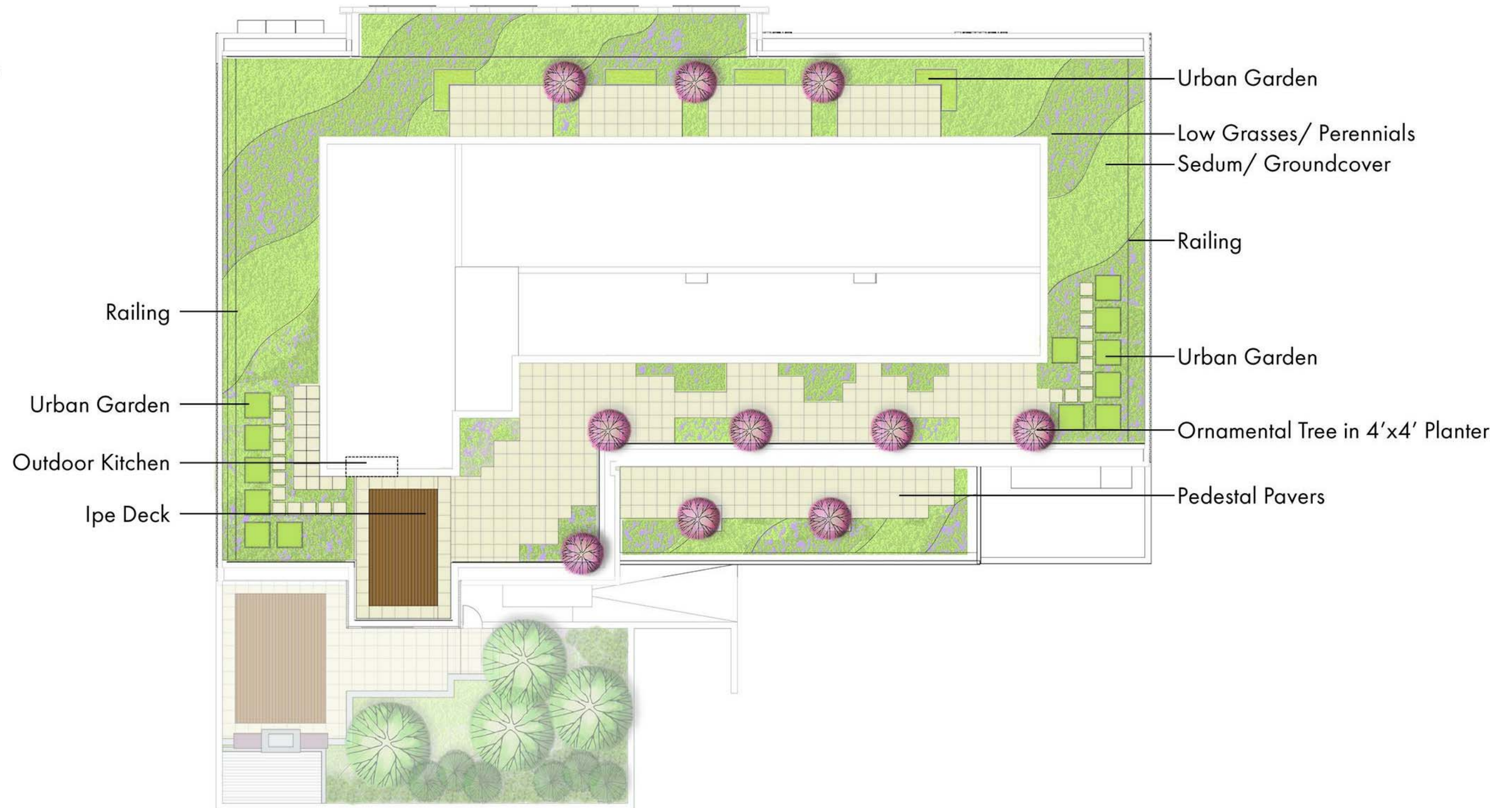
PROJECT NUMBER: DC142164

BOHLERTM
DC

1301 PENNSYLVANIA AVE., NW, STE. 825 WASHINGTON, DC 20004
PHONE: (202) 524-5700 FAX: (202) 524-5701







0 10' 20' 40'



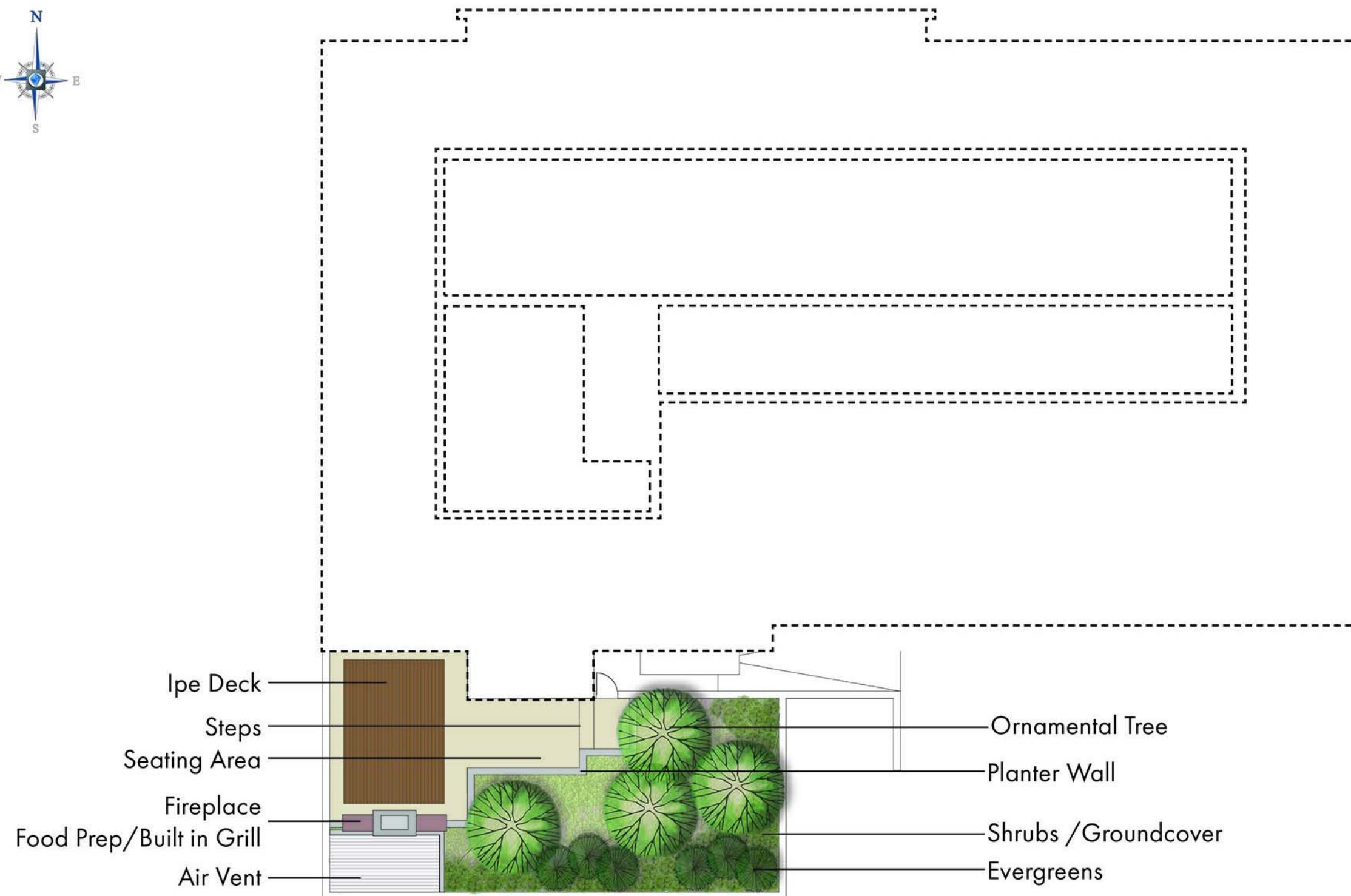
Green Roof Area Concept

hord | coplan | macht

L2

315 H Street, NE
Washington, DC

March 19, 2015



Ground Level Amenity Area Concept

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L3



Outdoor Amenity Precedents

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