

LEFT BLANK INTENTIONALLY

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			OVERHEAD WIRE	
	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE			UNDERGROUND TELEPHONE LINE	
	EASEMENT LINE			UNDERGROUND CABLE LINE	
	SETBACK LINE			STORM SEWER	
				SANITARY SEWER MAIN	
	CONCRETE CURB & GUTTER			HYDRANT	
				SANITARY MANHOLE	
				STORM MANHOLE	
	UTILITY POLE WITH LIGHT			WATER METER	
	POLE LIGHT			WATER VALVE	
	TRAFFIC LIGHT			GAS VALVE	
	UTILITY POLE			GAS METER	
	TYPICAL LIGHT			TYPICAL END SECTION	
	ACORN LIGHT			HEADWALL OR ENDWALL	
	TYPICAL SIGN			YARD INLET	
	PARKING COUNTS			CURB INLET	
				CLEAN OUT	
	CONTOUR LINE			ELECTRIC MANHOLE	
	SPOT ELEVATIONS			TELEPHONE MANHOLE	
				ELECTRIC BOX	
	SANITARY LABEL			ELECTRIC PEDESTAL	
	STORM LABEL			MONITORING WELL	
	SANITARY SEWER LATERAL			TEST PIT	
	UNDERGROUND WATER LINE			BENCHMARK	
	UNDERGROUND ELECTRIC LINE			BORING	
	UNDERGROUND GAS LINE				

PROJECT NARRATIVE:

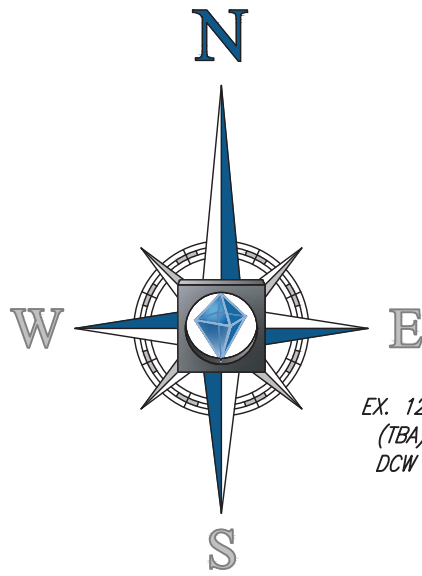
THE SITE IS AN EXISTING 2-STORY CONCRETE AND BRICK INSTITUTIONAL BUILDING (501 I STREET, SW). THE PROPOSED PROJECT INCLUDES THE DEMOLITION OF THE EXISTING BUILDING, SITE-RELATED FEATURES, AND UTILITIES. THE PROJECT ALSO INCLUDES THE CONSTRUCTION OF A NON PROFIT OFFICE/EDUCATIONAL/ART-USE/RESIDENTIAL BUILDING WITH UNDERGROUND PARKING AND SITE AMENITIES. THE UTILITY IMPROVEMENTS INCLUDE DOMESTIC WATER, FIRE, SANITARY SEWER, AND STORM DRAIN CONNECTIONS TO EXISTING UTILITY MAINS LOCATED WITHIN THE 6TH STREET, SW, AND I STREET, SW, PUBLIC RIGHT-OF-WAY. THE PROJECT PROPOSES THE USE OF A CISTERN AND 8" GREEN ROOF TO MEET THE STORMWATER RETENTION VOLUME (SWRV) REQUIREMENTS AND THE GREEN AREA RATIO (GAR) REQUIREMENTS.

REFERENCES:

- THE PLAN IS BASED ON THE FOLLOWING DOCUMENTS AND INFORMATION
 - BOUNDARY & TOPOGRAPHIC SURVEY: ENTITLED: "BOUNDARY & TOPOGRAPHIC SURVEY, ERKILETIAN, 501 I STREET, S.W. LOT 52 SQUARE 498, DISTRICT OF COLUMBIA", PREPARED BY: BOHLER ENGINEERING, PROJECT NUMBER: DC132204, DATED: 3/25/14.
 - DIGITAL ARCHITECTURAL FILES: ENTITLED: "20190301 - THE BARD - PUD - ALTERNATE.DWG", PREPARED BY: SHALOM BARANES, DATED: 03/01/19.
 - DIGITAL LANDSCAPE FILES: ENTITLED: "PRI-Base Ground.DWG", PREPARED BY: PARKER RODRIGUEZ, DATED 03/07/19.
- 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, THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY, AND INFORMATION FROM DC WATER COUNTERMAPS. 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.

DEVELOPER

ERKILETIAN
2009 14TH STREET, N, SUITE ONE
ARLINGTON, VA 22201
(703) 671-4400
C/O: BILL DENTON



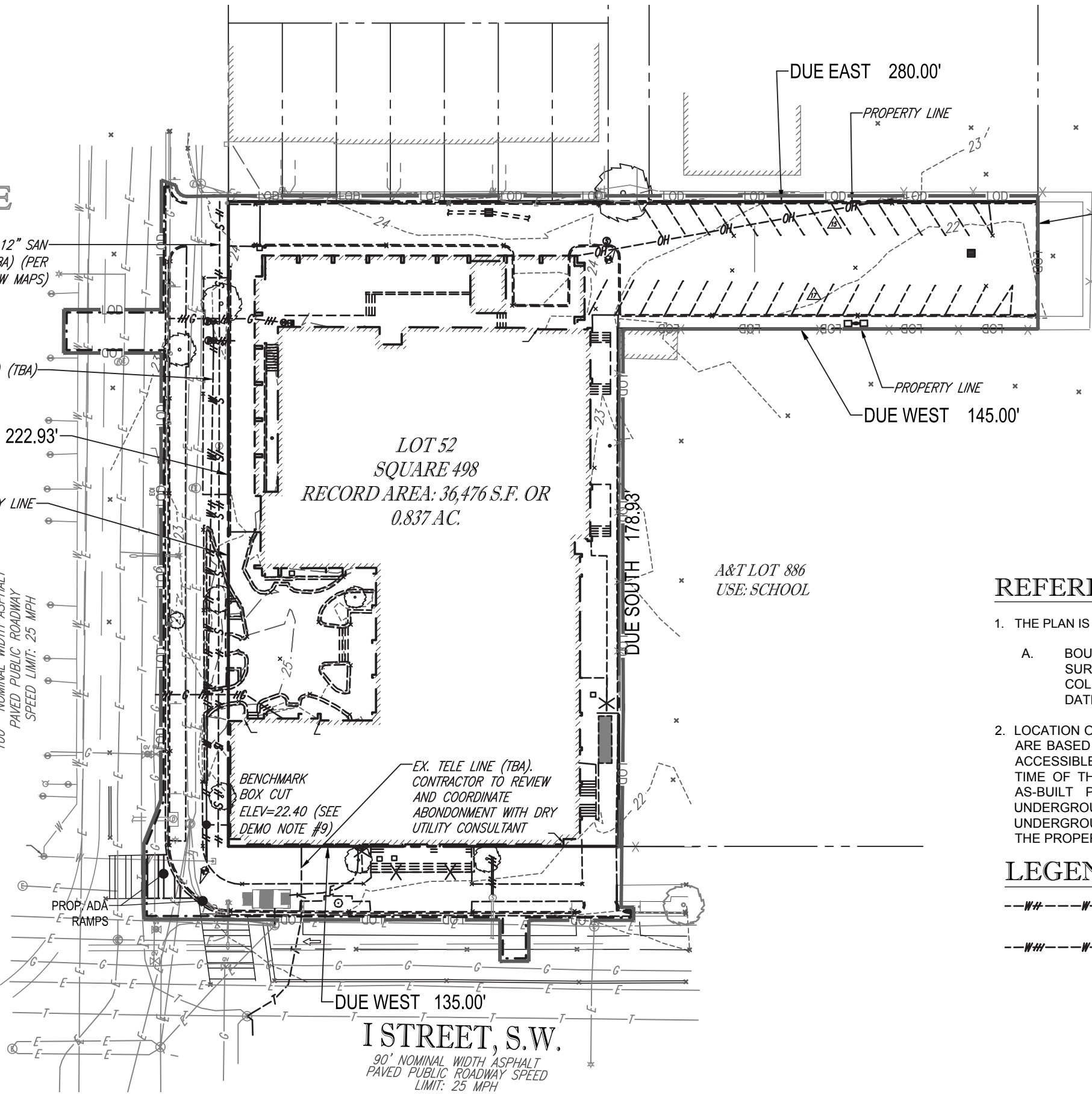
EX. 12" SAN
(TBA) (PER
DCW MAPS)

8"W(QL-C) (TBA)

DUE NORTH 222.93'

PROPERTY LINE

6TH STREET, S.W.
100' NOMINAL WIDTH ASPHALT
PAVED PUBLIC ROADWAY
SPEED LIMIT: 25 MPH



LOT 52
SQUARE 498
RECORD AREA: 36,476 S.F. OR
0.837 AC.

A&T LOT 886
USE: SCHOOL

BENCHMARK
BOX CUT
ELEV=22.40 (SEE
DEMO NOTE #9)

EX. TELE LINE (TBA).
CONTRACTOR TO REVIEW
AND COORDINATE
ABANDONMENT WITH DRY
UTILITY CONSULTANT

DUE WEST 135.00'

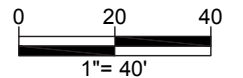
I STREET, S.W.
90' NOMINAL WIDTH ASPHALT
PAVED PUBLIC ROADWAY
SPEED LIMIT: 25 MPH

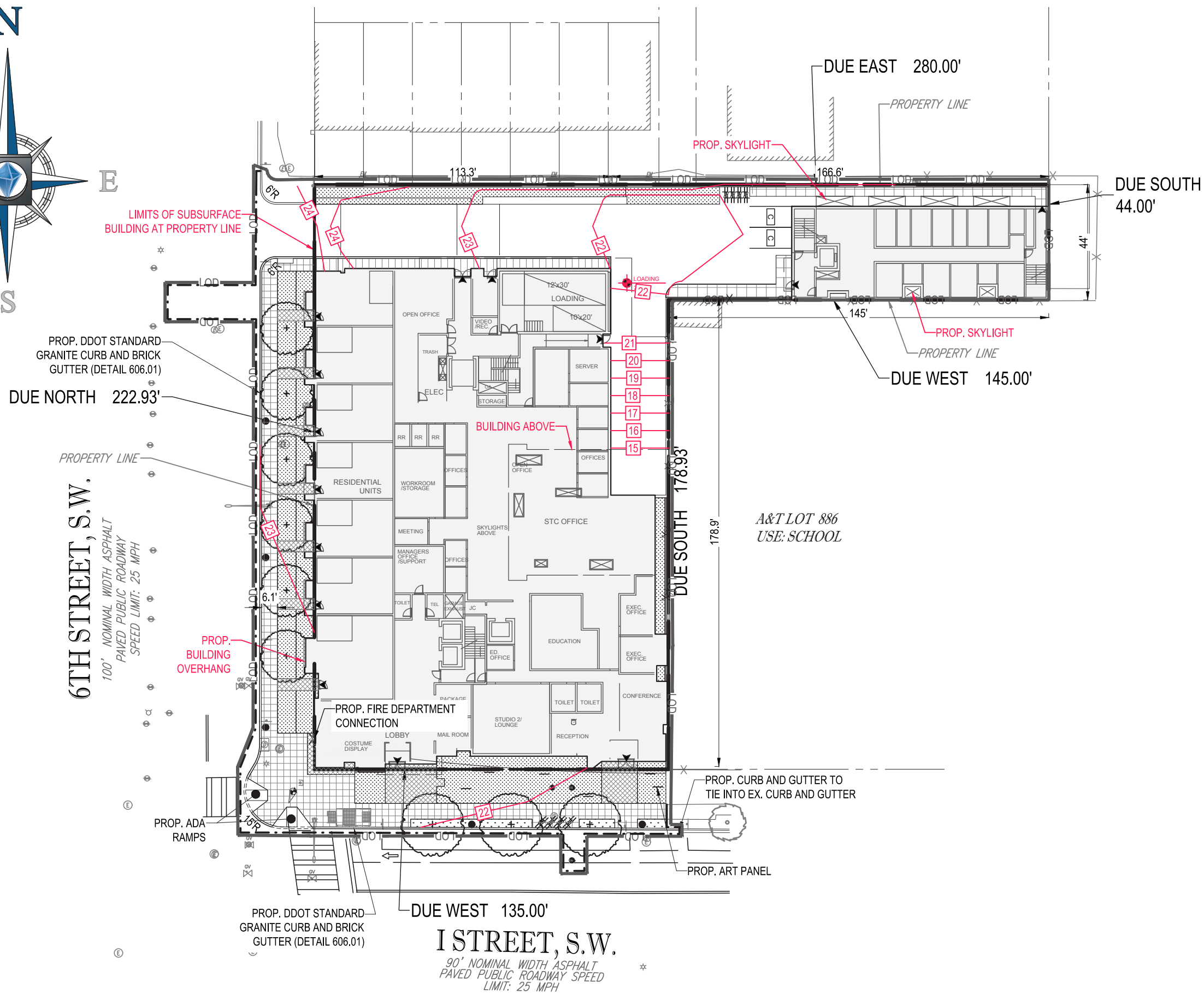
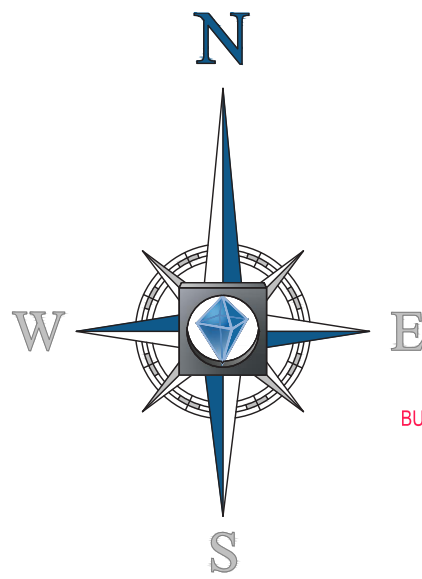
REFERENCES:

1. THE PLAN IS BASED ON THE FOLLOWING DOCUMENTS AND INFORMATION
 - A. BOUNDARY & TOPOGRAPHIC SURVEY: ENTITLED: "BOUNDARY & TOPOGRAPHIC SURVEY, ERKILETIAN, 501 I STREET, S.W. LOT 52 SQUARE 498, DISTRICT OF COLUMBIA", PREPARED BY: BOHLER ENGINEERING, PROJECT NUMBER: DC132204, DATED: 3/25/14.
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, THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY, AND INFORMATION FROM DC WATER COUNTERMAPS. 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.

LEGEND

- W#---W-#-- TBA EXISTING UTILITIES
- W##---W-##-- TBR EXISTING UTILITIES





PROJECT NARRATIVE:

THE PROJECT INCLUDES THE CONSTRUCTION OF A NON PROFIT OFFICE/EDUCATIONAL/ART-USE/RESIDENTIAL BUILDING WITH UNDERGROUND PARKING AND SITE AMENITIES. THE UTILITY IMPROVEMENTS INCLUDE DOMESTIC WATER, FIRE, SANITARY SEWER, AND STORM DRAIN CONNECTIONS TO EXISTING UTILITY MAINS LOCATED WITHIN THE 6TH STREET, SW, AND I STREET, SW, PUBLIC RIGHT-OF-WAY. THE PROJECT PROPOSES THE USE OF A CISTERN AND 8" GREEN ROOF TO MEET THE STORMWATER RETENTION VOLUME (SWRv) REQUIREMENTS AND THE GREEN AREA RATIO (GAR) REQUIREMENTS.

GRADING NARRATIVE:

THE PROPOSED GRADING WILL HONOR THE EXISTING DRAINAGE PATTERNS. INLETS WILL BE USED TO SAFELY CONVEY RUNOFF. EXACT SIZE AND LOCATION OF THESE STRUCTURES WILL BE DETERMINED WITH FINAL SITE DESIGN. THE PROJECT WILL TIE INTO THE EXISTING GRADES WITHIN THE LIMITS OF DISTURBANCE BASED ON FINAL ARCHITECTURE. FINISHED FLOOR ELEVATIONS HAVE NOT BEEN ESTABLISHED AT THIS TIME.

LEGEND

- PROP. TREE
- DDOT STANDARD CONCRETE PAVEMENT
- PROP. CONTOUR
- EX. CONTOUR
- PROP. COMPACTED COVER
- PROP. LAND COVER
- PROP. SPECIALTY PAVING



PROP. WATER SERVICE (WATER METER TO BE LOCATED WITHIN GARAGE)

PROP. FIRE SERVICE

DUE EAST 280.00'

PROPERTY LINE

DUE SOUTH 44.00'

PROP. STORM INLET (INTERIOR BUILDING CONNECTION)

PROPERTY LINE

DUE WEST 145.00'

DUE NORTH 222.93'

PROPERTY LINE

6TH STREET, S.W.
100' NOMINAL WIDTH ASPHALT
PAVED PUBLIC ROADWAY
SPEED LIMIT: 25 MPH

A&T LOT 886
USE: SCHOOL

DUE SOUTH 178.93'

PROP. FIRE DEPARTMENT CONNECTION

PROP. SANITARY SERVICE

PROP. 15" RCP STM LATERAL

PROP. ADA RAMP

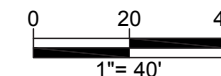
DUE WEST 135.00'

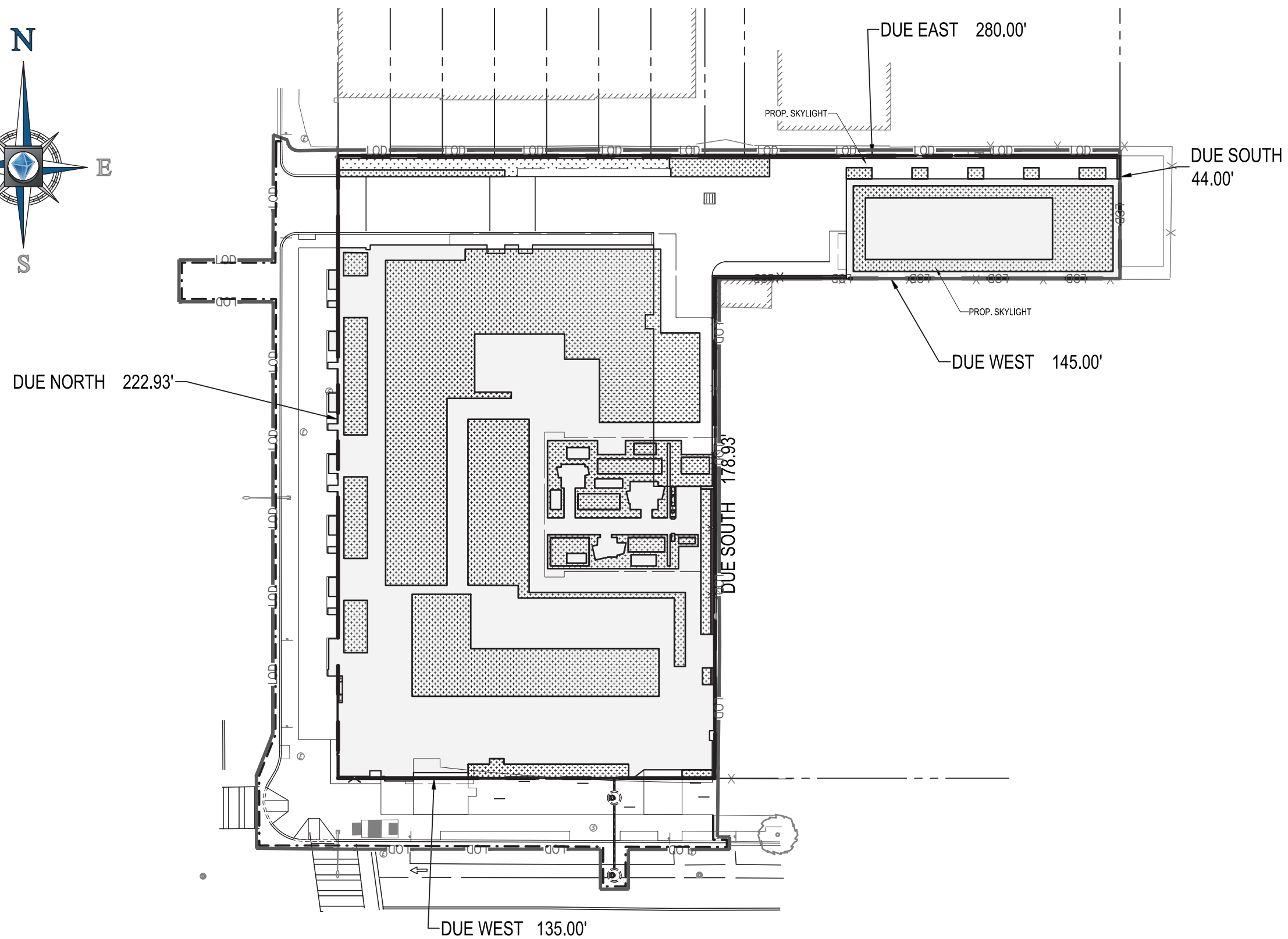
I STREET, S.W.
90' NOMINAL WIDTH ASPHALT
PAVED PUBLIC ROADWAY
SPEED LIMIT: 25 MPH

UTILITY NARRATIVE

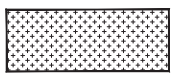
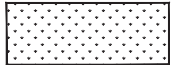
THE PROPOSED PROJECT INCLUDES CONSTRUCTION OF NEW UTILITY INFRASTRUCTURE TO SERVICE THE DEVELOPMENT. EXISTING WATER MAINS, SANITARY SEWER MAINS, AND STORM SEWER MAINS ARE AVAILABLE TO SERVE THE SITE AS WELL AS COMMUNICATION LINES, GAS MAINS, AND ELECTRIC SERVICE. PROPOSED UTILITY LATERALS SHOWN HEREON ARE APPROXIMATE. FINAL LOCATIONS OF LATERALS AND CONNECTIONS WILL BE DETERMINED DURING THE FINAL DESIGN OF THE BUILDING, ASSOCIATED UTILITY ROOM LOCATIONS, AND POINTS OF CONNECTION.

EXISTING 8" DEAD END WATER LINE WITHIN 6TH STREET SIDEWALK TO BE ABANDONED. EXISTING 12" DEAD END SANITARY LINE WITHIN 6TH STREET SIDEWALK TO BE ABANDONED. CONFIRM TOWNHOUSE TO THE NORTH DOES NOT TIE IN TO 12" DEAD END SYSTEM PRIOR TO ABANDONING; IF TOWNHOUSE TIES IN THEN THE TOWNHOUSE LINE WILL BE RECONNECTED TO THE EXISTING 10" SANITARY ON THE WEST SIDE OF 6TH STREET.





LEGEND

-  8" GREEN ROOF
-  DENOTES PLANTING AREAS W/ SOIL DEPTH GREATER THAN 24"

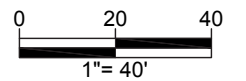
NOTE: REMAINING ROOF AREA AND COURTYARD AREA (NOT INCLUDING GREEN ROOF ITSELF OR AREA DRAINING TO THE GREEN ROOF), AS WELL AS THE DRIVEWAY AREA, WILL DRAIN TO THE CISTERN.

STORMWATER MANAGEMENT SUMMARY

THE VOLUME REQUIRED TO BE RETAINED ON-SITE (SWRV) IS EQUAL TO APPROXIMATELY 3,432 CUBIC FEET. THE VOLUME REQUIREMENT FOR THE PROW WILL BE DETERMINED ONCE STREETScape IMPROVEMENTS HAVE BEEN FINALIZED.

GREEN ROOF AREAS LOCATED ON VARIOUS LEVELS OF THE PROPOSED BUILDINGS AS WELL AS A RAINWATER HARVESTING CISTERN WILL BE USED TO SATISFY THE ON-SITE RETENTION VOLUME. SEE STORMWATER MANAGEMENT NARRATIVE ON SHEET C5 FOR ADDITIONAL INFORMATION AND CALCULATIONS.

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 (3,432 CF).



SWM NARRATIVE

I. SITE DESCRIPTION:

THE SUBJECT SITE IS LOCATED AT THE CORNER OF 6TH STREET AND I STREET SOUTHWEST AND HAS A TOTAL AREA OF 36,475 SF. THIS PROJECT WILL DISTURB APPROXIMATELY 47,000 SQUARE FEET (1.07 AC).

II. STORMWATER RETENTION VOLUME REQUIREMENTS:

THE PRIVATE STORMWATER RETENTION VOLUME (SWR_v) CALCULATIONS ARE SHOWN BELOW:

$$SWR_v = \frac{[P \times ((R_v1 \times \%I) + (R_vC \times \%C) + (R_vN \times \%N)) \times SA]}{12}$$

$$SWR_v = \frac{[1.2 \times ((0.95 \times 0.97) + (0.25 \times 0.03)) \times 36,476]}{12}$$

SWR_v REQUIRED = 3,432 CF
STORAGE REQUIRED = N/A (SEE STORM CONTROL NARRATIVE, THIS SHEET)

PUBLIC RIGHT-OF-WAY REQUIREMENTS WILL BE CALCULATED ONCE STREETScape DESIGN IS FINALIZED. THIS REQUIREMENT WILL BE TREATED TO THE MAXIMUM EXTENT PRACTICABLE.

III. STORMWATER RETENTION VOLUME PROVIDED:

PRIVATE/ON-SITE STORMWATER RETENTION WILL BE PROVIDED THROUGH THE IMPLEMENTATION OF MULTIPLE GREEN ROOFS AND A CISTERN. THE FOLLOWING CALCULATIONS WERE USED TO DETERMINE THE PROVIDED STORAGE AND MAXIMUM SWR_v

FOR EACH GREEN ROOF AREA:

$$S_v = SWR_v \text{ MAX} = \frac{[1.7 \times ((0.95 \times 1.0) + (0.25 \times 0.0)) \times SA]}{12}$$

$$S_v = \frac{SA \times [(d \times n1) + (DL \times n2)]}{12}$$

GREEN ROOF SWR_v = 1,817 CF *

SEE GREEN ROOF TABLE ON THIS SHEET FOR CALCULATIONS FOR INDIVIDUAL GREEN ROOF AREAS.

A CISTERN IS PROPOSED TO COLLECT RUNOFF TO BE REUSED ON SITE FOR IRRIGATION PURPOSES. THE AREA TO IRRIGATE IS EQUAL TO THE GREEN ROOF AREA (13,500 SF). IRRIGATION WEATHER SENSORS WILL BE PROVIDED TO ENSURE WATERING OCCURES DURING DROUGHT CONDITIONS. PER DOEE SIZING PROCEDURE, AN APPROXIMATE 30,000 GALLON CISTERN WILL COLLECT RUNOFF FROM AN APPROXIMATE 16,595 SF DRAINAGE AREA (AS DESCRIBED ON SHEET C4). NOTE THAT THE CISTERN SIZE AND DRAINAGE AREA ARE SUBJECT TO CHANGE. DETAILED CISTERN INPUT AND OUTPUT RESULTS, AS WELL AS FINAL SIZING, WILL BE PROVIDED ONCE FINAL IRRIGATION DEMAND MAKEUP HAS BEEN PROVIDED FOR THE SITE.

CISTERN SWR_v = 1,648 CF *

TOTAL SITE SWR_v PROVIDED: 3,465 CF *

*** NOTE: STORAGE VALUES ARE SUBJECT TO CHANGE BASED ON FINAL GREEN ROOF SPECIFICATIONS AND FINAL CISTERN DEMAND INPUT. ADDITIONAL STORAGE BEYOND THE REQUIREMENT IS PROVIDED TO MEET BOTH SWRV AND LEED CREDITS.**

VI. ON-SITE STORM SEWER NETWORK:

THE PROPOSED STORM SEWER SYSTEM CONVEYS AND FILTERS ONSITE STORMWATER THROUGH THE GREEN ROOF. STORMWATER FLOWS ABOVE THE 1.2" STORM EVENT WILL DISCHARGE TO A STORM LATERAL THAT CONNECTS TO THE PUBLIC STORM SEWER LINE WITHIN I STREET SW. CISTERN OVERFLOW DRAINS WILL CONNECT TO THE INTERIOR PLUMBING SYSTEM AND BE PUMPED OUT TO THE SAME CONNECTION POINT AS THE GREEN ROOF OVERFLOW.

VII. SUMMARY:

ON-SITE RUNOFF NOT ABLE TO BE STORED ON-SITE WILL BE CONVEYED TO A PROPOSED STORM SEWER LATERAL WHICH CONNECTS INTO THE EXISTING PUBLIC STORM SEWER WITHIN THE I STREET SW RIGHT-OF-WAY. THE TOTAL PROPOSED STORMWATER STRATEGY OUTLINED IN THIS NARRATIVE PROVIDES A TOTAL SWR_v GREATER THAN THE REQUIRED SWR_v. PUBLIC RIGHT-OF-WAY SWR_v REQUIREMENTS WILL BE DETERMINED ONCE STREETScape DESIGN IS FINALIZED. THIS REQUIREMENT WILL BE TREATED TO THE MAXIMUM EXTENT PRACTICABLE.

STORM CONTROL NARRATIVE

BASED ON CHAPTER 2 OF THE DOEE STORMWATER MANAGEMENT GUIDEBOOK, THIS PROJECT IS EXEMPT FROM THE DETENTION STORM CONTROL REQUIREMENT FOR THE TWO-YEAR STORM BECAUSE IT SATISFIES THE FOLLOWING THREE CRITERIA:

- (1) SITE DISCHARGES FLOW DIRECTLY TO, OR THROUGH THE SEPARATE SEWER SYSTEM, INTO THE MAIN STEM OF THE TIDAL POTOMAC OR ANACOSTIA RIVERS, THE WASHINGTON CHANNEL, OR THE CHESAPEAKE AND OHIO CANAL;
- (2) SITE DISCHARGES DO NOT FLOW INTO OR THROUGH A TRIBUTARY TO THOSE WATERBODIES THAT RUN ABOVE GROUND OR THAT THE DISTRICT DEPARTMENT OF THE ENVIRONMENT (DDOE) EXPECTS TO BE DAYLIGHTED TO RUN ABOVE GROUND;
- (3) SITE DISCHARGES WILL NOT CAUSE EROSION OF LAND OR TRANSPORT OF SEDIMENT.

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 SWR _v	Irrigated? Apply 50% storage	50% STORAGE	SWR _v PROVIDED
Ground Floor	1,057	1,057	1,057	8	1	Ground Floor	330	142	yes	165	142
Second Floor	1,463	1,463	1,463	8	1	Second Floor	457	197	yes	229	197
Fourth Floor	807	807	807	8	1	Fourth Floor	252	109	yes	126	109
Penthouse	8,261	8,261	8,261	8	1	Penthouse	2582	1112	yes	1291	1112
Roof	1,912	1,912	1,912	8	1	Roof	598	257	yes	299	257
TOTAL							4,219	1,817			1,817

13,500	
MEDIA RETENTION VALUE	0.45
DRAINAGE LAYER RETENTION VALUE	0.15

CISTERN INPUT AND OUTPUT

(NOTE: DETAILED CISTERN INPUT AND OUTPUT RESULTS, AS WELL AS FINAL SIZING, WILL BE CONFIRMED ONCE FINAL IRRIGATION DEMAND MAKEUP HAS BEEN PROVIDED FOR THE SITE AS THE DESIGN PROGRESSES.)

Input											
STORM EVENT											
Storm Event (inches)											1.7
CONTRIBUTING DRAINAGE AREA (CDA)											
How big is the impervious CDA (SF)?											16,595
IRRIGATION											
How big is the area to irrigate? (SF)											13,500
Does the irrigation system have smart controls (e.g. soil moisture sensor shutoff)? If no, leave unchecked.											<input checked="" type="checkbox"/>
Enter the average weekly irrigation application rate in inches/week for each month throughout the year (inches/week)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
0.00	0.00	0.00	1.00	1.10	1.20	1.25	1.20	1.10	1.00	0.00	0.00

Cistern Volume (gallons)	Available Storage Volume (Sv) (cubic feet)
5,000	295
10,000	565
15,000	834
20,000	1106
25,000	1381
30,000	1648
35,000	1908
50,000	2658
65,000	3335
90,000	4388

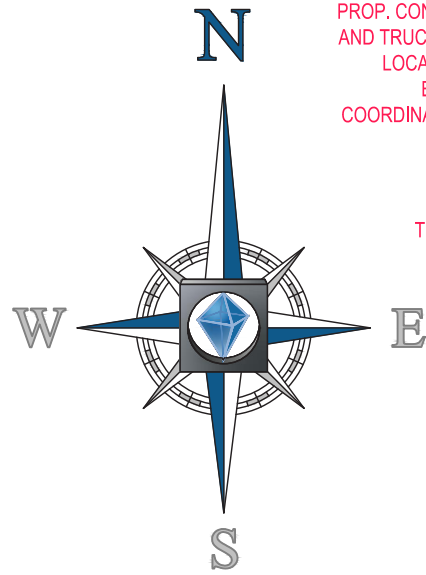
GAR SCORESHEET

Green Area Ratio Scoresheet					
***	Address	Square	Lot	Zone District	
	501 Eye Street	498	52	MU-4	
	Other	Lot area (sf)	Minimum Score	Multiplier	GAR Score
		36,476	0.3	SCORE:	0.310
Landscape Elements					
A Landscaped areas (select one of the following for each area)					
1	Landscaped areas with a soil depth < 24"	square feet	0.30		-
		0			
2	Landscaped areas with a soil depth ≥ 24"	square feet	0.60		286.2
		477			
3	Bioretention facilities	square feet	0.40		-
		0			
B Plantings (credit for plants in landscaped areas from Section A)					
1	Groundcovers, or other plants < 2' height	square feet	0.20	Native Bonus square feet	-
		0			
2	Plants ≥ 2' height at maturity - calculated at 9-sf per plant	# of plants	0.30	# of plants	216.0
		80			
3	New trees with less than 40-foot canopy spread - calculated at 50 sq ft per tree	# of trees	0.50	# of trees	-
		0			
4	New trees with 40-foot or greater canopy spread - calculated at 250 sq ft per tree	# of trees	0.60	# of trees	-
		0			
5	Preservation of existing tree 6" to 12" DBH - calculated at 250 sq ft per tree	# of trees	0.70	# of trees	-
		0			
6	Preservation of existing tree 12" to 18" DBH - calculated at 600 sq ft per tree	# of trees	0.70	# of trees	-
		0			
7	Preservation of existing trees 18" to 24" DBH - calculated at 1300 sq ft per tree	# of trees	0.70	# of trees	-
		0			
8	Preservation of existing trees 24" DBH or greater - calculated at 2000 sq ft per tree	# of trees	0.80	# of trees	-
		0			
9	Vegetated wall, plantings on a vertical surface	square feet	0.60	square feet	-
		0			
C Vegetated or "green" roofs					
1	Over at least 2" and less than 8" of growth medium	square feet	0.60	square feet	-
		0			
2	Over at least 8" of growth medium	square feet	0.80	square feet	10,800.0
		13,500			
D Permeable Paving***					
1	Permeable paving over 6" to 24" of soil or gravel	square feet	0.40		-
		0			
2	Permeable paving over at least 24" of soil or gravel	square feet	0.50		-
		0			
E Other					
1	Enhanced tree growth systems***	square feet	0.40		-
		0			
2	Renewable energy generation	square feet	0.50		-
		0			
3	Approved water features	square feet	0.20		-
		0			
F Bonuses					
sub-total of sq ft = 14,697					
1	Native plant species	square feet	0.10		-
		0			
2	Landscaping in food cultivation	square feet	0.10		-
		0			
3	Harvested stormwater irrigation	square feet	0.10		-
		0			
Green Area Ratio numerator =					11,302
*** 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.					

GREEN AREA RATIO SUMMARY

THE GAR REQUIREMENT FOR A SITE WITHIN THE SP-1 OR SP-2 ZONE IS 0.30. TO SATISFY THE GAR REQUIREMENT, THE CURRENT DESIGN INCLUDES INTENSIVE GREEN ROOF (8"), AND THE PLANTING OF GROUNDCOVERS, SHRUBS AND TREES. THIS RESULTS IN A PROPOSED GAR OF 0.310 (SEE DETAILED CALCULATIONS, THIS SHEET).

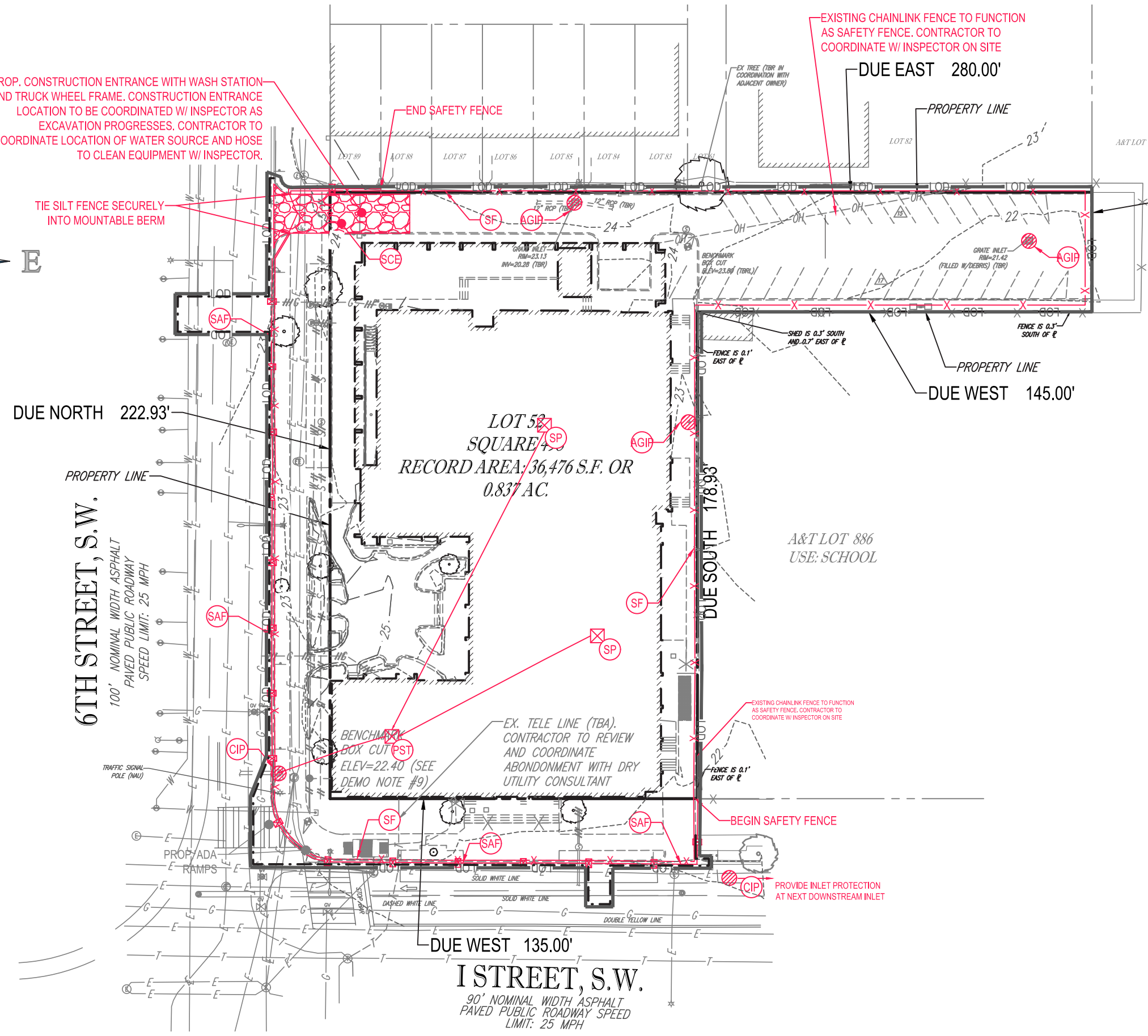
THE SIZE AND DEPTH OF THE GREEN ROOF AREAS ALONG WITH PLANT SPECIES WILL BE DETERMINED WITH FINAL CONSTRUCTION DOCUMENTS, HOWEVER THE FINAL DESIGN WILL MEET THE REQUIRED GREEN AREA RATIO (0.30).



PROP. CONSTRUCTION ENTRANCE WITH WASH STATION AND TRUCK WHEEL FRAME. CONSTRUCTION ENTRANCE LOCATION TO BE COORDINATED W/ INSPECTOR AS EXCAVATION PROGRESSES. CONTRACTOR TO COORDINATE LOCATION OF WATER SOURCE AND HOSE TO CLEAN EQUIPMENT W/ INSPECTOR.

TIE SILT FENCE SECURELY INTO MOUNTABLE BERM

EXISTING CHAINLINK FENCE TO FUNCTION AS SAFETY FENCE. CONTRACTOR TO COORDINATE W/ INSPECTOR ON SITE



DUE SOUTH 44.00'

DUE EAST 280.00'

DUE WEST 145.00'

DUE NORTH 222.93'

6TH STREET, S.W.
100' NOMINAL WIDTH ASPHALT
PAVED PUBLIC ROADWAY
SPEED LIMIT: 25 MPH

LOT 52
SQUARE
RECORD AREA 36,476 S.F. OR
0.837 AC.

A&T LOT 886
USE: SCHOOL

I STREET, S.W.
90' NOMINAL WIDTH ASPHALT
PAVED PUBLIC ROADWAY
SPEED LIMIT: 25 MPH

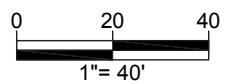
TITLE	KEY	SYMBOL
SAFETY FENCE	SAF	
SILT FENCE	SF	
CURB INLET PROTECTION	CIP	
AT-GRADE INLET PROTECTION	AGIP	
TEMPORARY STONE CONSTRUCTION ENTRANCE	SCE	
LIMIT OF DISTURBANCE	LOD	
SUMP PIT	SP	
PORTABLE SEDIMENT TANK	PST	

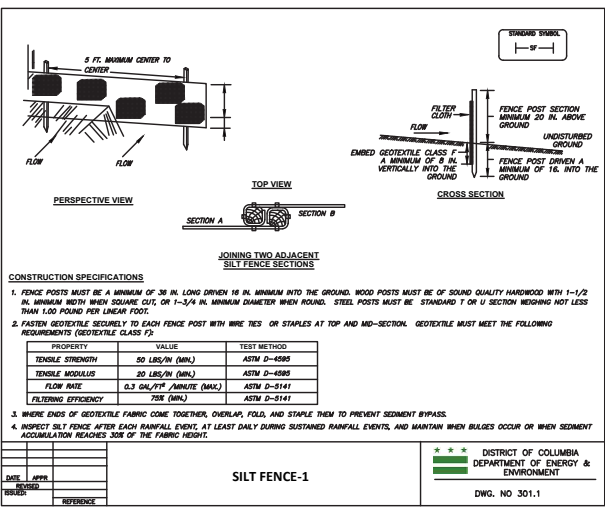
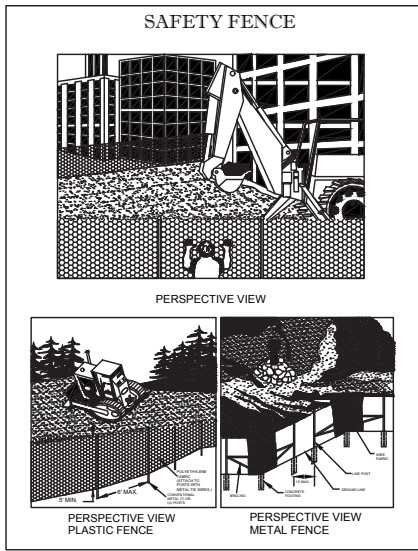
NOTE:

SPOIL MATERIAL SHALL BE DISCARDED AT A SITE WITH AN ACTIVE GRADING PERMIT AND APPROVED SEDIMENT CONTROL PLAN. BORROW MATERIAL SHALL BE OBTAINED FROM AN APPROVED SITE WITH AN ACTIVE GRADING PERMIT AND AN APPROVED SEDIMENT CONTROL PLAN.

SITE TABULATION

LOT AREA = 36,476 SF
DISTURBED AREA = 47,281 SF
CUT VOLUME = TBD
FINAL VOLUME = TBD





SILT FENCE DESIGN CRITERIA

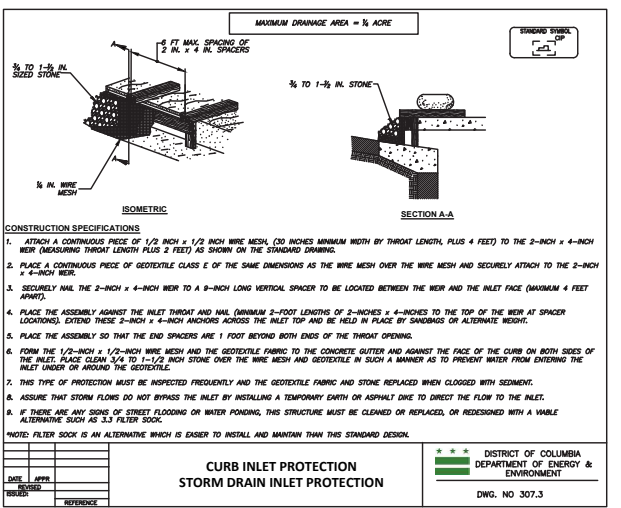
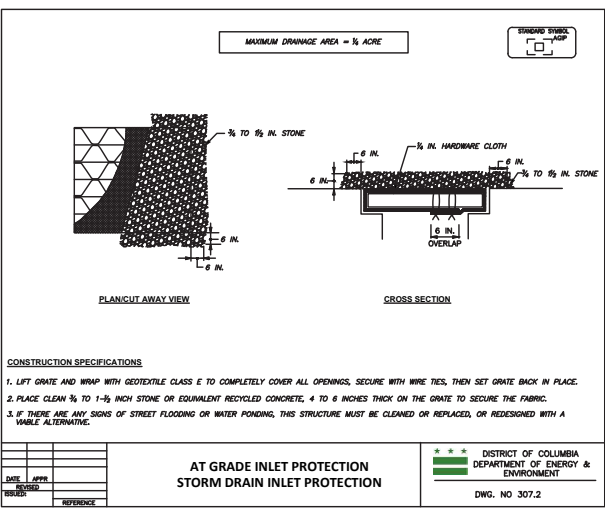
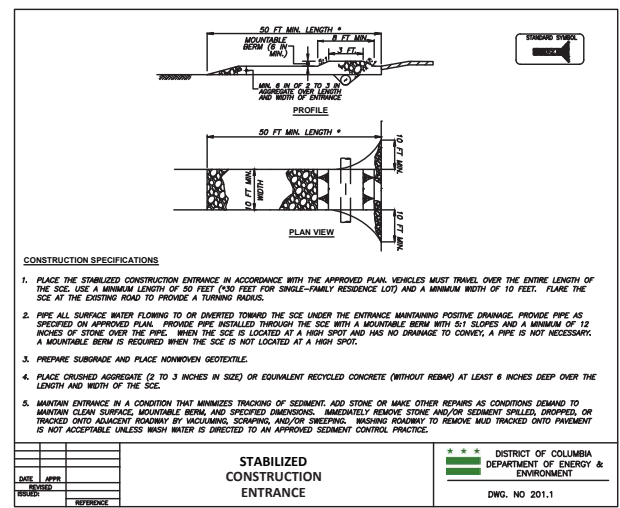
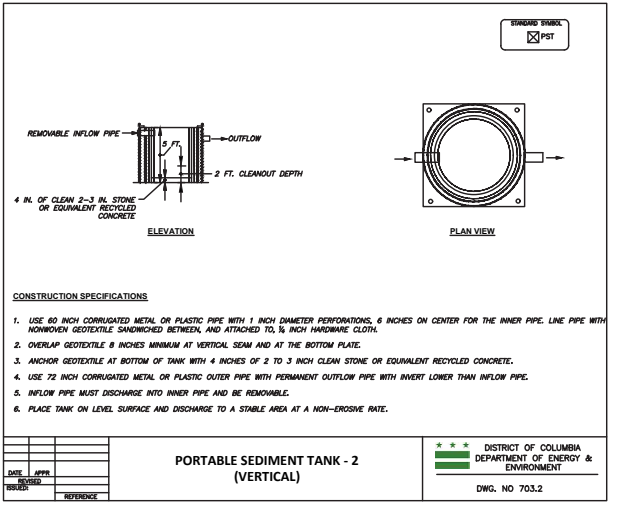
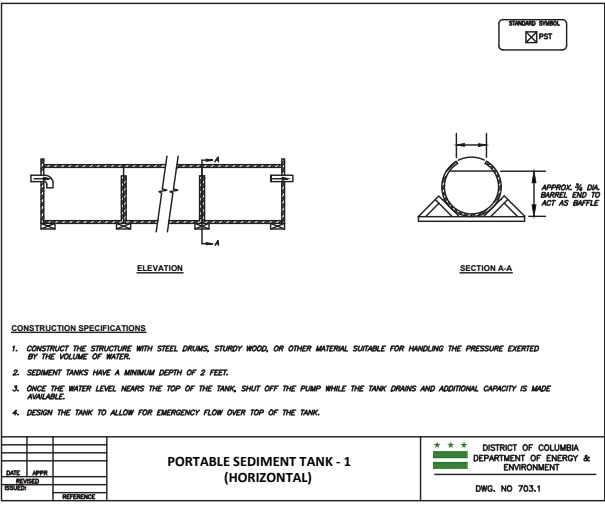
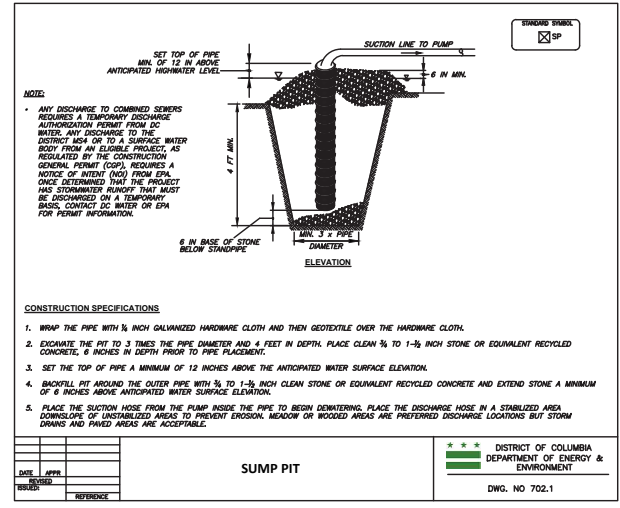
TABLE S.1: SILT FENCE SLOPE LENGTH AND FENCE LENGTH CONSTRAINTS

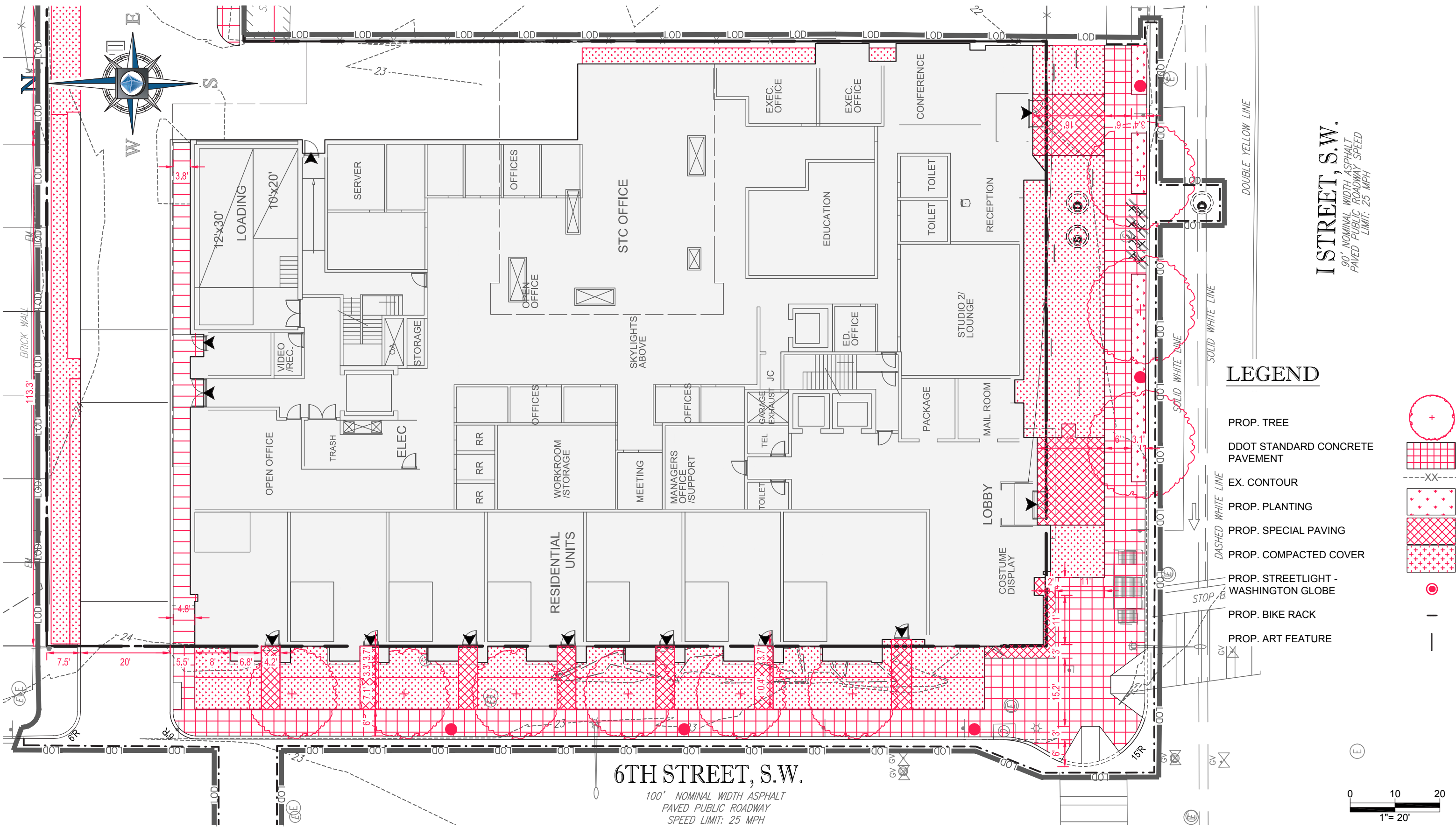
SLOPE STEEPNESS	SLOPE LENGTH (MAXIMUM) (FEET)	SILT FENCE LENGTH (MAXIMUM) (FEET)
FLATTER THAN 50:1 (2%)	UNLIMITED	UNLIMITED
> 50:1 TO 10:1 (2% to 10%)	125	1,000
> 10:1 TO 5:1 (10% to 20%)	100	750
> 5:1 TO 3:1 (20% to 33%)	60	500
> 3:1 TO 2:1 (33% to 50%)	40	250
> 2:1 (> 50%)	20	125

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.










SILT FENCE-2
DWG. NO 301.2





I STREET, S.W.
 90' NOMINAL WIDTH ASPHALT
 PAVED PUBLIC ROADWAY SPEED
 LIMIT: 25 MPH

LEGEND

- PROP. TREE 
- DDOT STANDARD CONCRETE PAVEMENT 
- EX. CONTOUR 
- PROP. PLANTING 
- PROP. SPECIAL PAVING 
- PROP. COMPACTED COVER 
- PROP. STREETLIGHT - WASHINGTON GLOBE 
- PROP. BIKE RACK 
- PROP. ART FEATURE 

6TH STREET, S.W.
 100' NOMINAL WIDTH ASPHALT
 PAVED PUBLIC ROADWAY
 SPEED LIMIT: 25 MPH

