

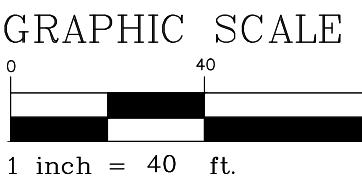
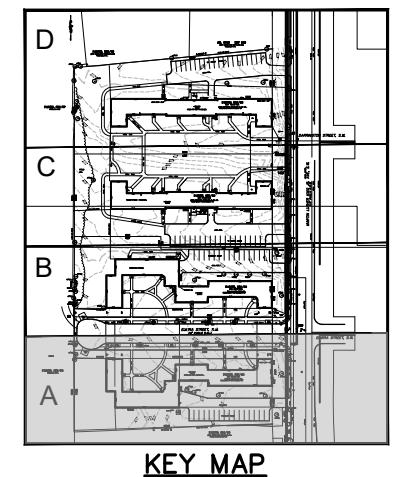
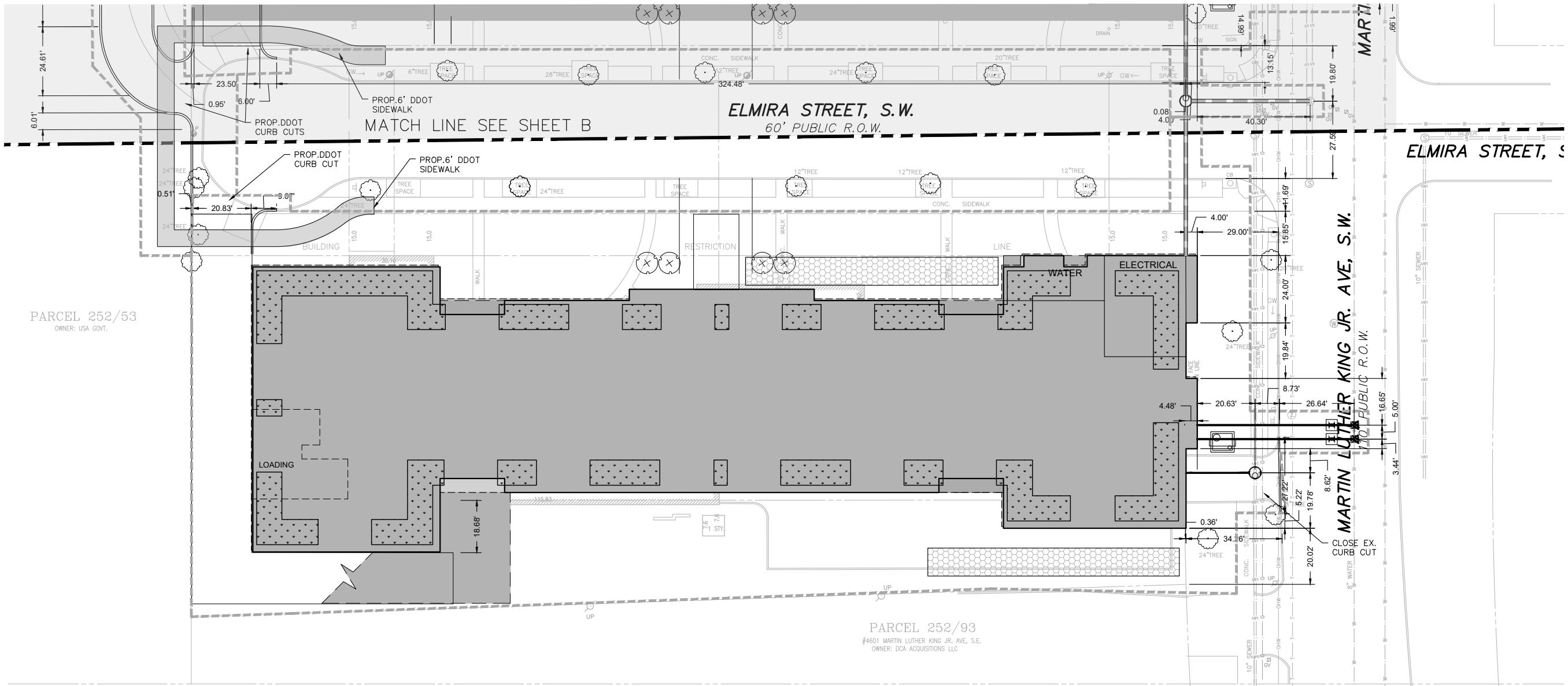
S:\0001-1000\0758A - Martin Luther King Jr Ave. & Elmira St. SW - PUD Design Package\cad\d\preliminary\VC0758A_100.dwg, ~ Nov 13, 2023 AT 2:57:22 PM

DECEMBER 19, 2023

PUBLIC SPACE EXHIBIT OVERALL

 MARTINS VIEW LLC

**ZONING COMMISSION
District of Columbia
CASE NO.23-29
EXHIBIT NO.21B9**

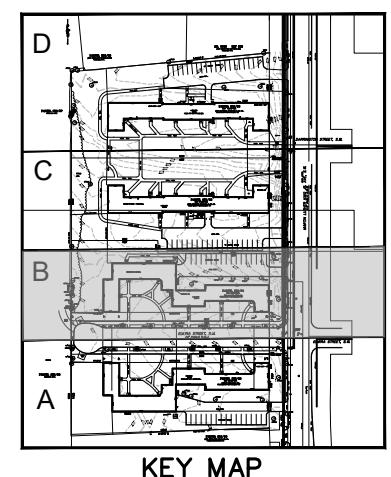
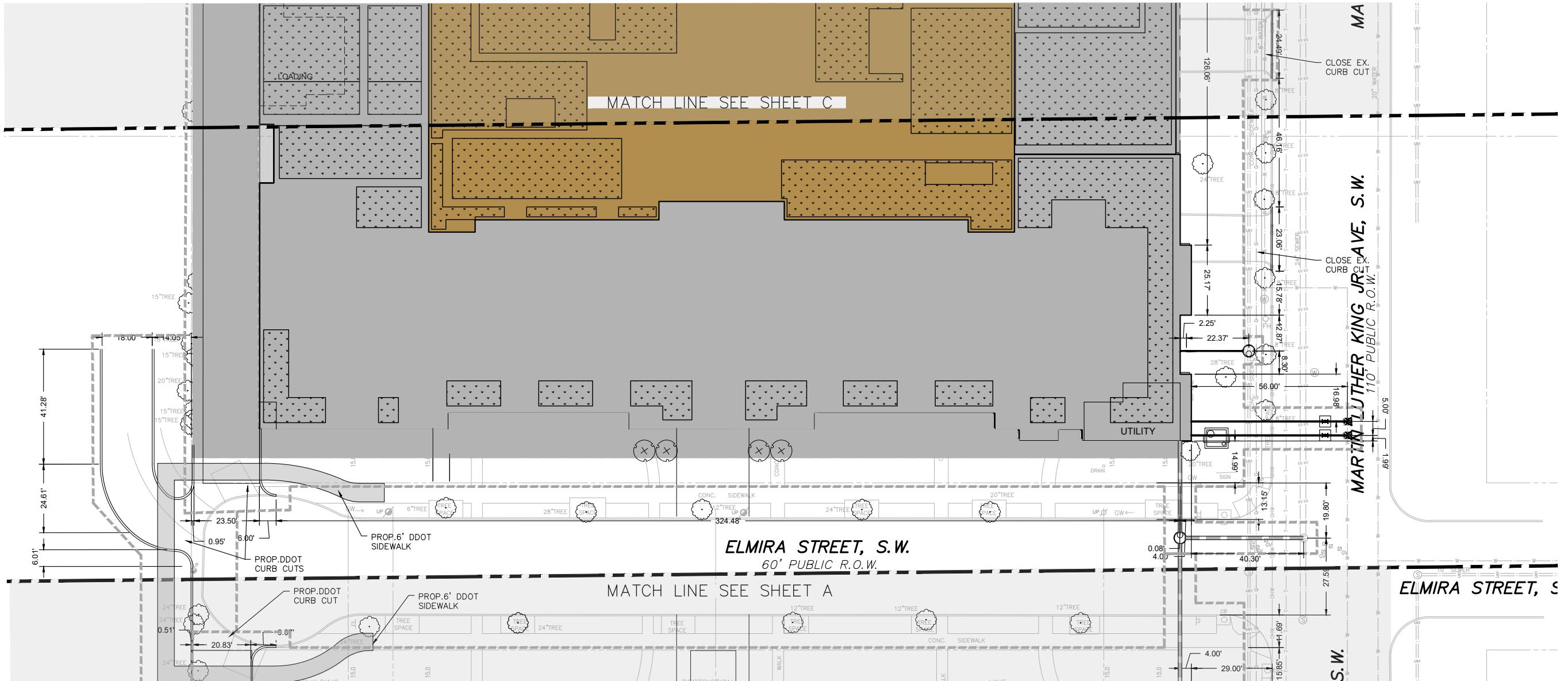


PUBLIC SPACE EXHIBIT A

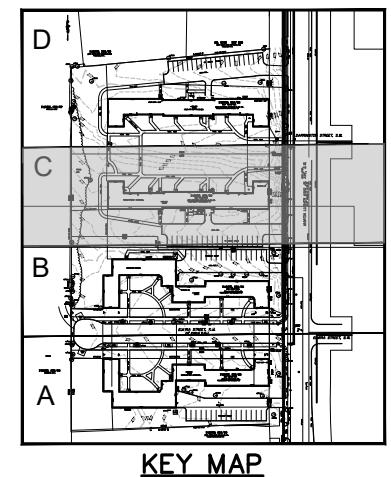
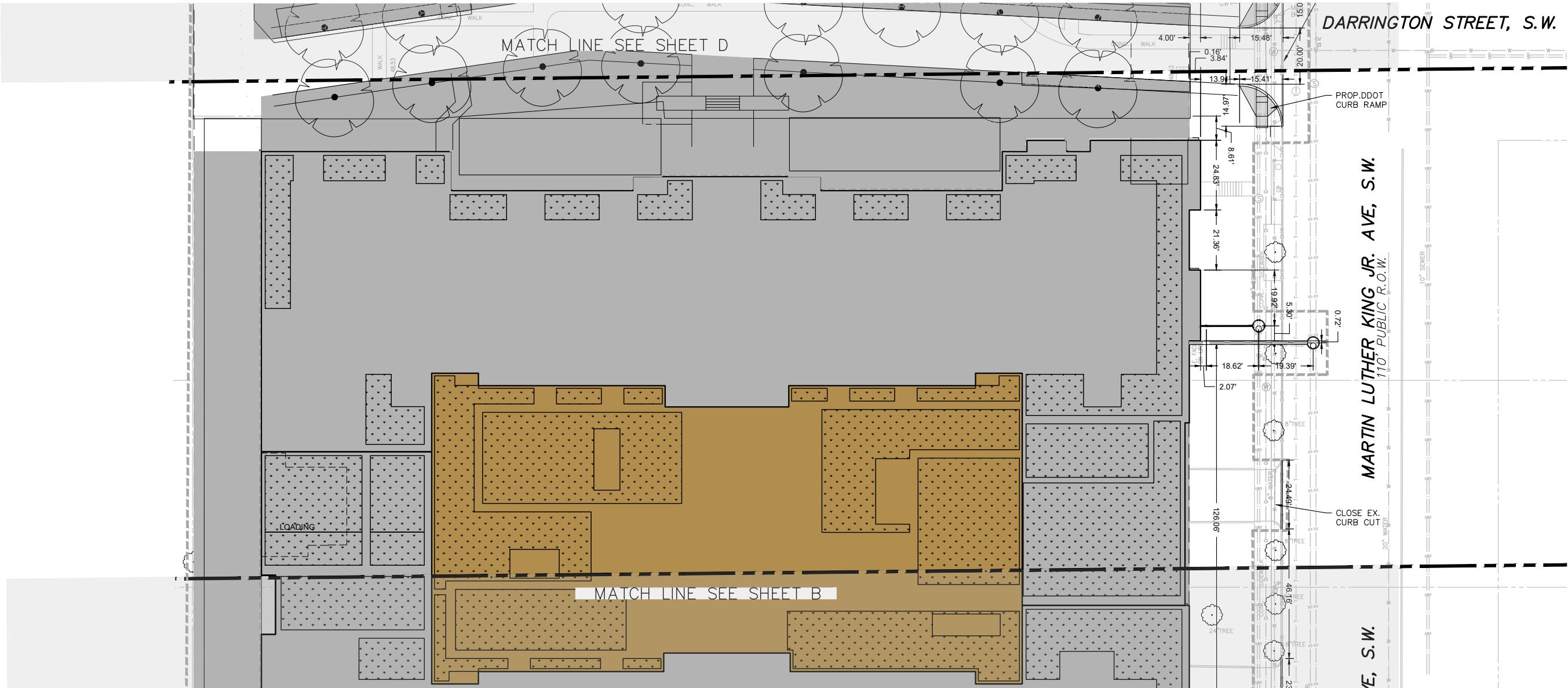
DECEMBER 19, 2023

C17

MARTINS VIEW LLC



DECEMBER 19, 2023



KEY MAP

GRAPHIC SCALE



$$1 \text{ inch} = 40 \text{ ft.}$$

PUBLIC SPACE EXHIBIT C

DECEMBER 19, 2023

C19

MARTINS VIEW LLC

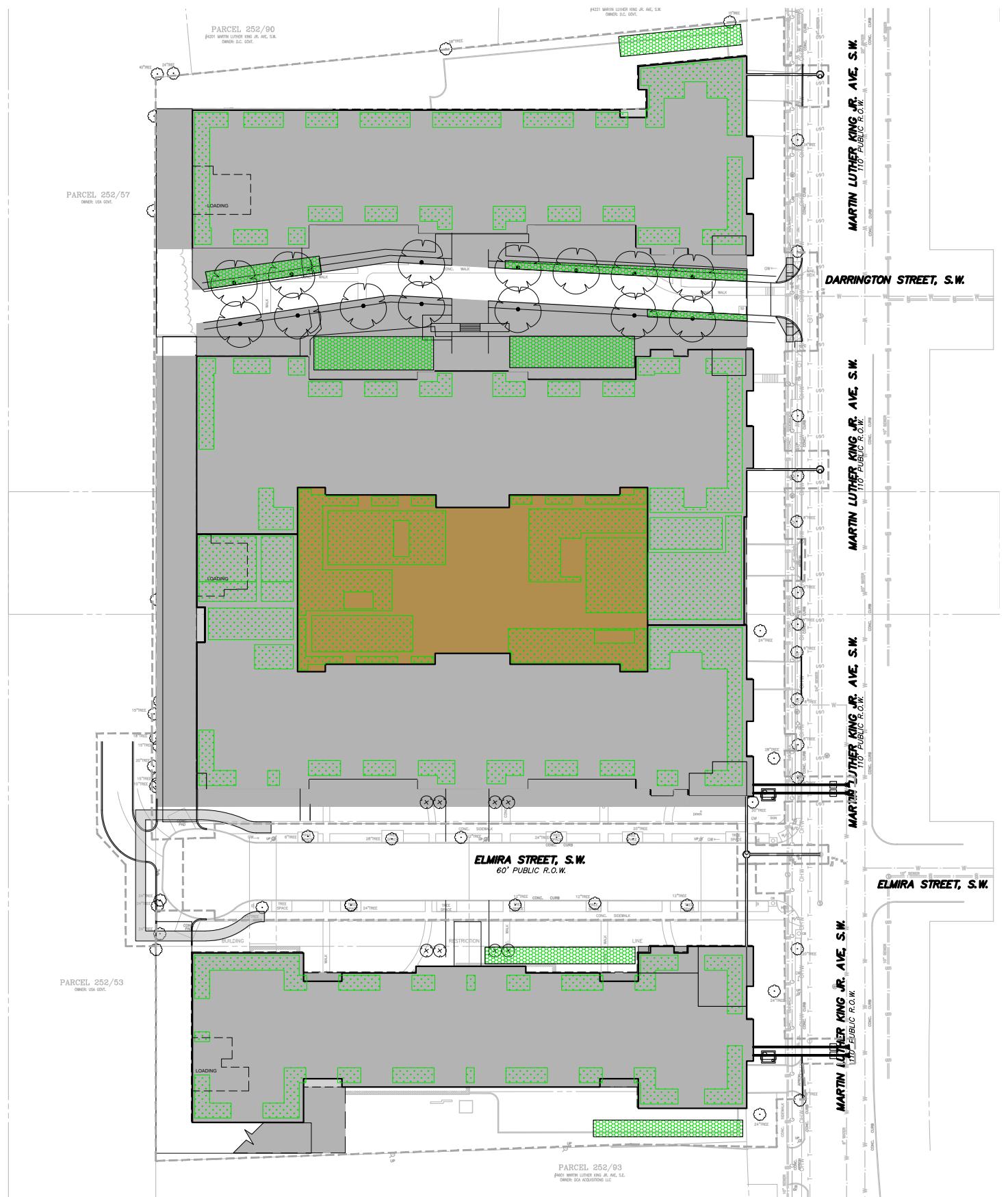
DECEMBER 19, 2023

 MARTINS VIEW LLC

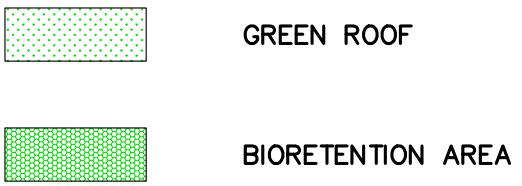
PUBLIC SPACE EXHIBIT D

C20

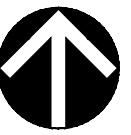
KEY MAP



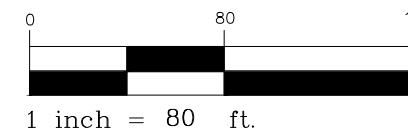
STORMWATER MANAGEMENT LEGEND

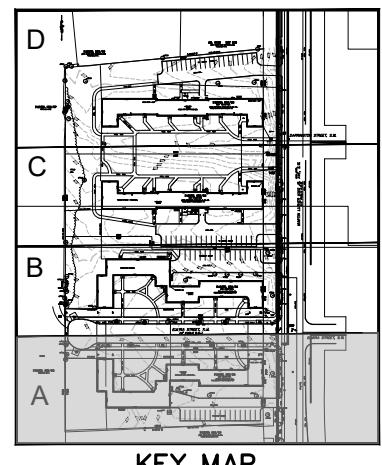
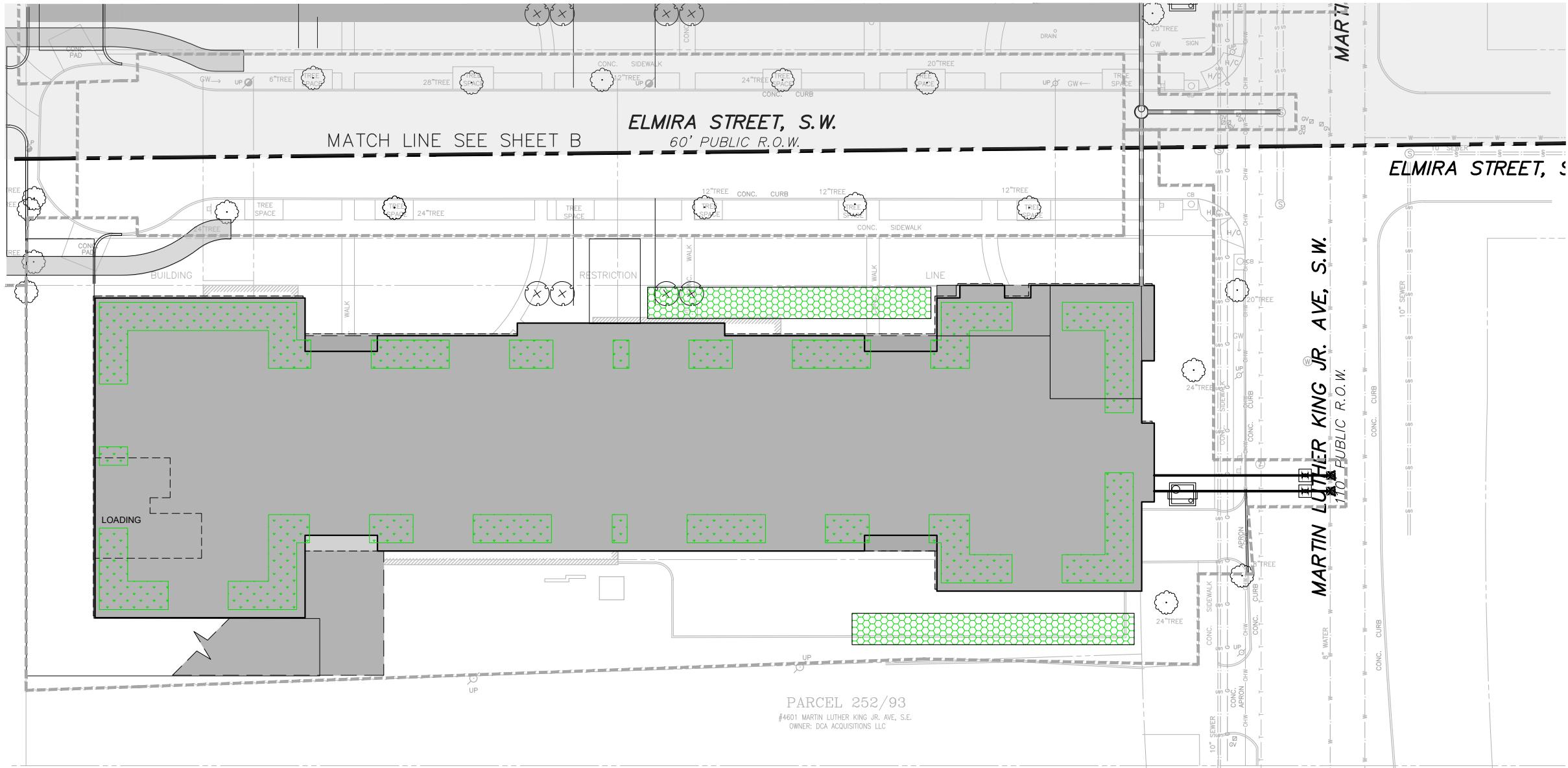


NOTE: STORMWATER MANAGEMENT (SWM) FACILITIES AND COMPUTATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. DURING THE PRODUCTION OF FINAL ENGINEERING CONSTRUCTION DOCUMENTS, THESE FACILITY TYPES AND COMPUTATIONS MAY BE ADJUSTED OR CHANGED BASED ON SITE CONDITIONS. FINAL SWM DESIGN SHALL MEET DOEE REQUIREMENTS.



GRAPHIC SCALE





GRAPHIC SCALE

0 40 80
1 inch = 40 ft.

LAYOUT: 0605 SWM A, Plotted By: ruhl

S:\DOEE\1000\0758A - Martin Luther King Jr. Ave. & Elmira St. SW - PUD Design Package\000\0758A\000.dwg ~ Nov 13, 2023 AT 2:35:08 PM

DECEMBER 19, 2023

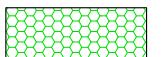
STORMWATER MANAGEMENT PLAN A



STORMWATER MANAGEMENT LEGEND

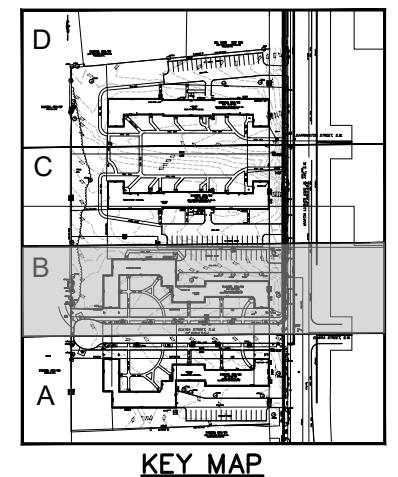


GREEN ROOF



BIORETENTION AREA

NOTE: STORMWATER MANAGEMENT (SWM) FACILITIES AND COMPUTATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. DURING THE PRODUCTION OF FINAL ENGINEERING CONSTRUCTION DOCUMENTS, THESE FACILITY TYPES AND COMPUTATIONS MAY BE ADJUSTED OR CHANGED BASED ON SITE CONDITIONS. FINAL SWM DESIGN SHALL MEET DOEE REQUIREMENTS.



KEY MAP



GRAPHIC SCALE

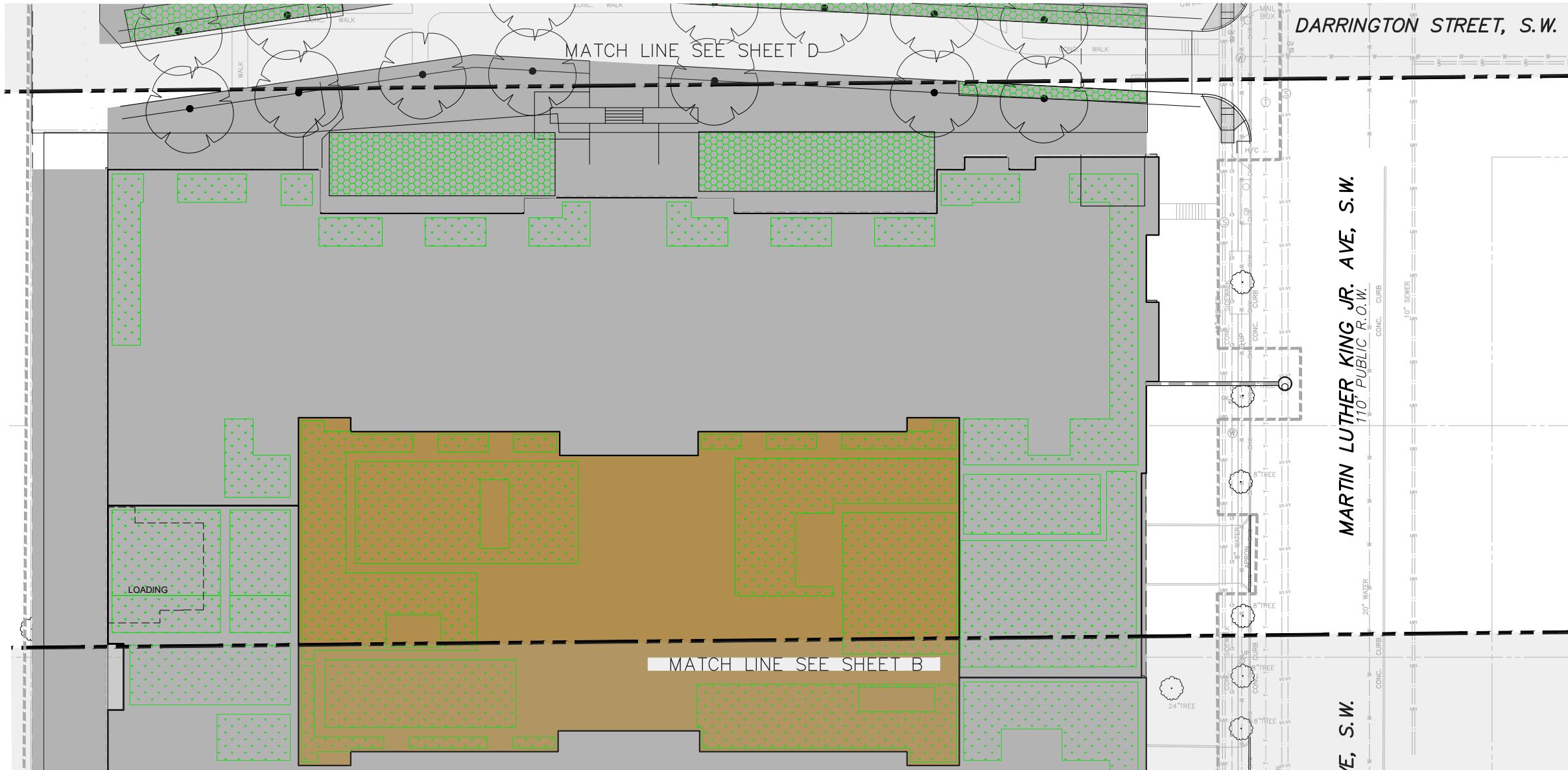
$$1 \text{ inch} = 40 \text{ ft.}$$

STORMWATER MANAGEMENT PLAN D

DECEMBER 19, 2023

C23

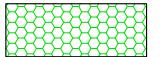
MARTINS VIEW LLC



STORMWATER MANAGEMENT LEGEND

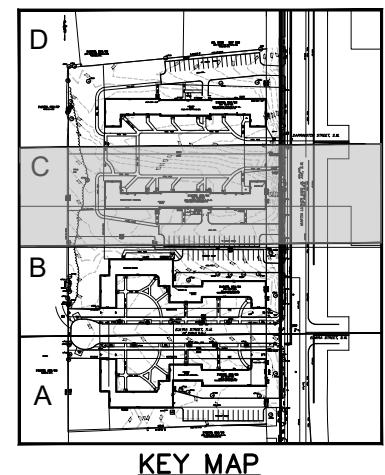


GREEN ROOF



BIORETENTION AREA

NOTE:STORMWATER MANAGEMENT (SWM) FACILITIES AND COMPUTATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. DURING THE PRODUCTION OF FINAL ENGINEERING CONSTRUCTION DOCUMENTS, THESE FACILITY TYPES AND COMPUTATIONS MAY BE ADJUSTED OR CHANGED BASED ON SITE CONDITIONS. FINAL SWM DESIGN SHALL MEET DOEE REQUIREMENTS.



KEY MAP



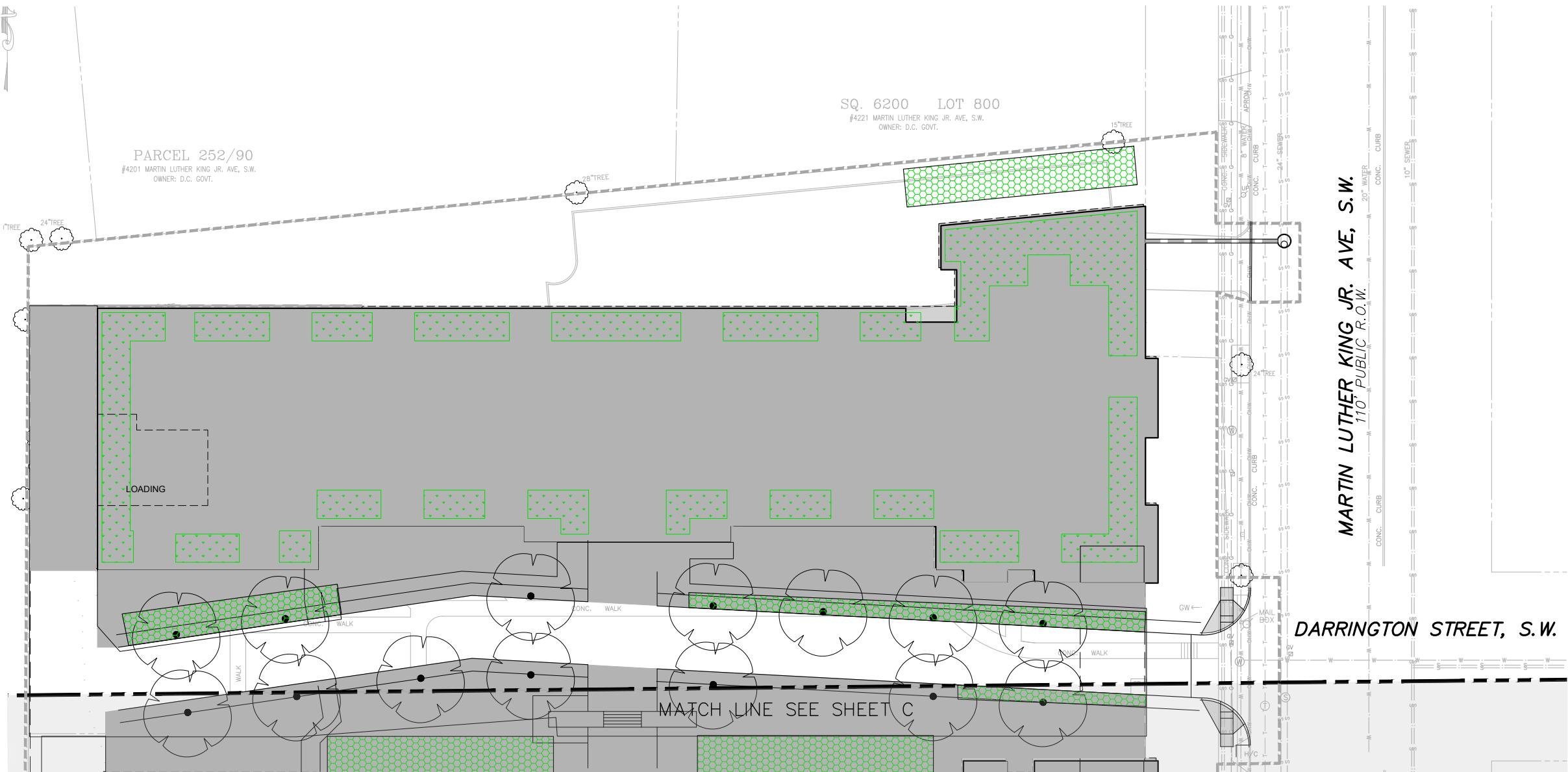
GRAPHIC SCALE

1 inch = 40 ft.

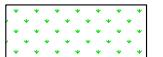
LAYOUT: 0615 SWM C, Plotted By: ruhl

DECEMBER 19, 2023

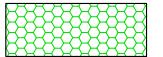
STORMWATER MANAGEMENT PLAN C



STORMWATER MANAGEMENT LEGEND

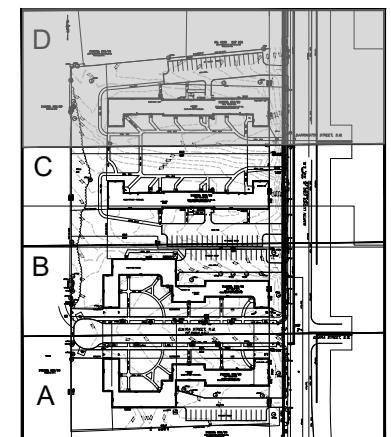


GREEN ROOF



BIORETENTION AREA

NOTE: STORMWATER MANAGEMENT (SWM) FACILITIES AND COMPUTATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE. DURING THE PRODUCTION OF FINAL ENGINEERING CONSTRUCTION DOCUMENTS, THESE FACILITY TYPES AND COMPUTATIONS MAY BE ADJUSTED OR CHANGED BASED ON SITE CONDITIONS. FINAL SWM DESIGN SHALL MEET DOEE REQUIREMENTS.

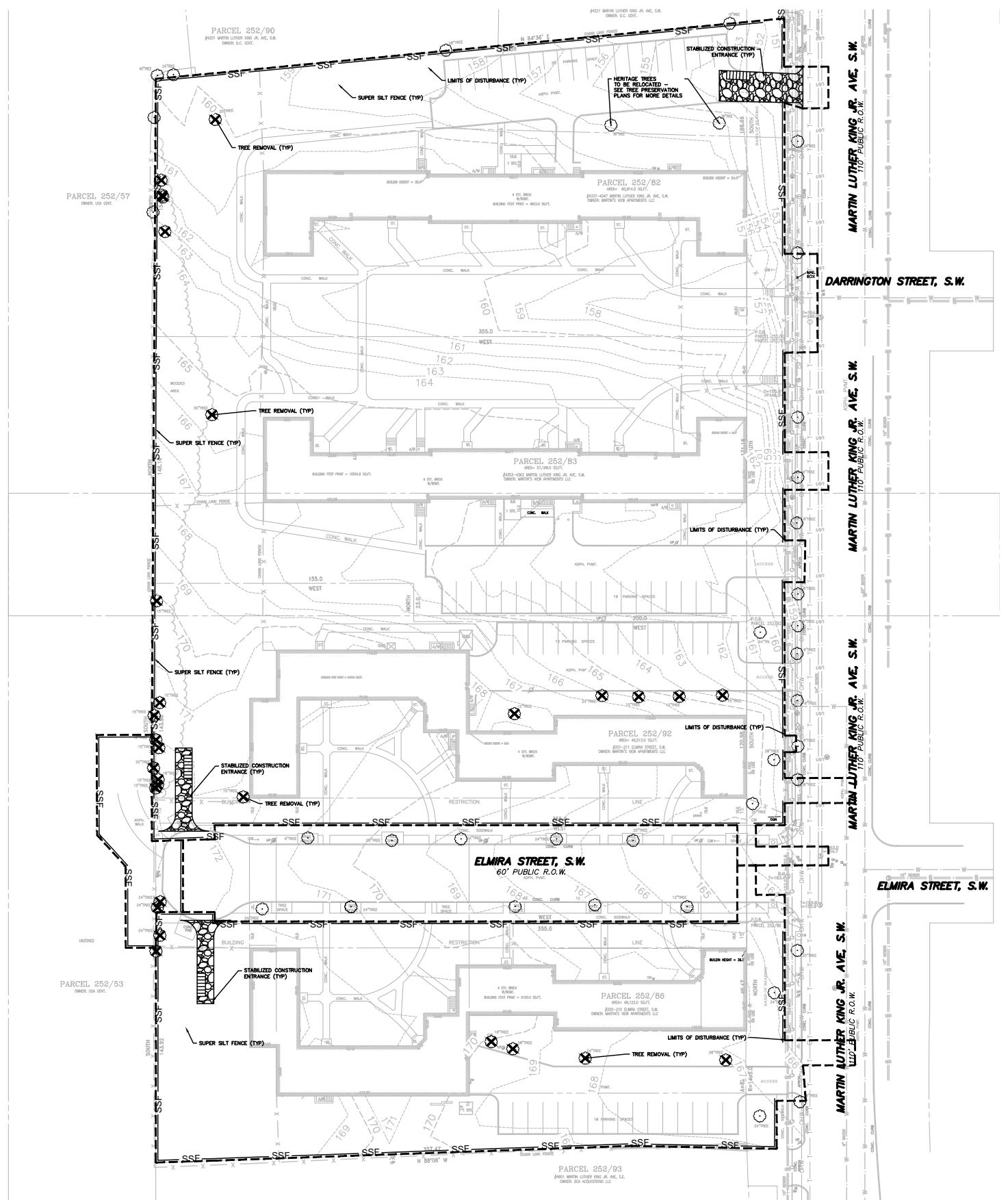


KEY MAP



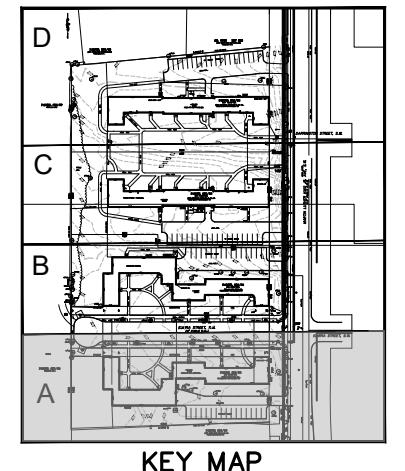
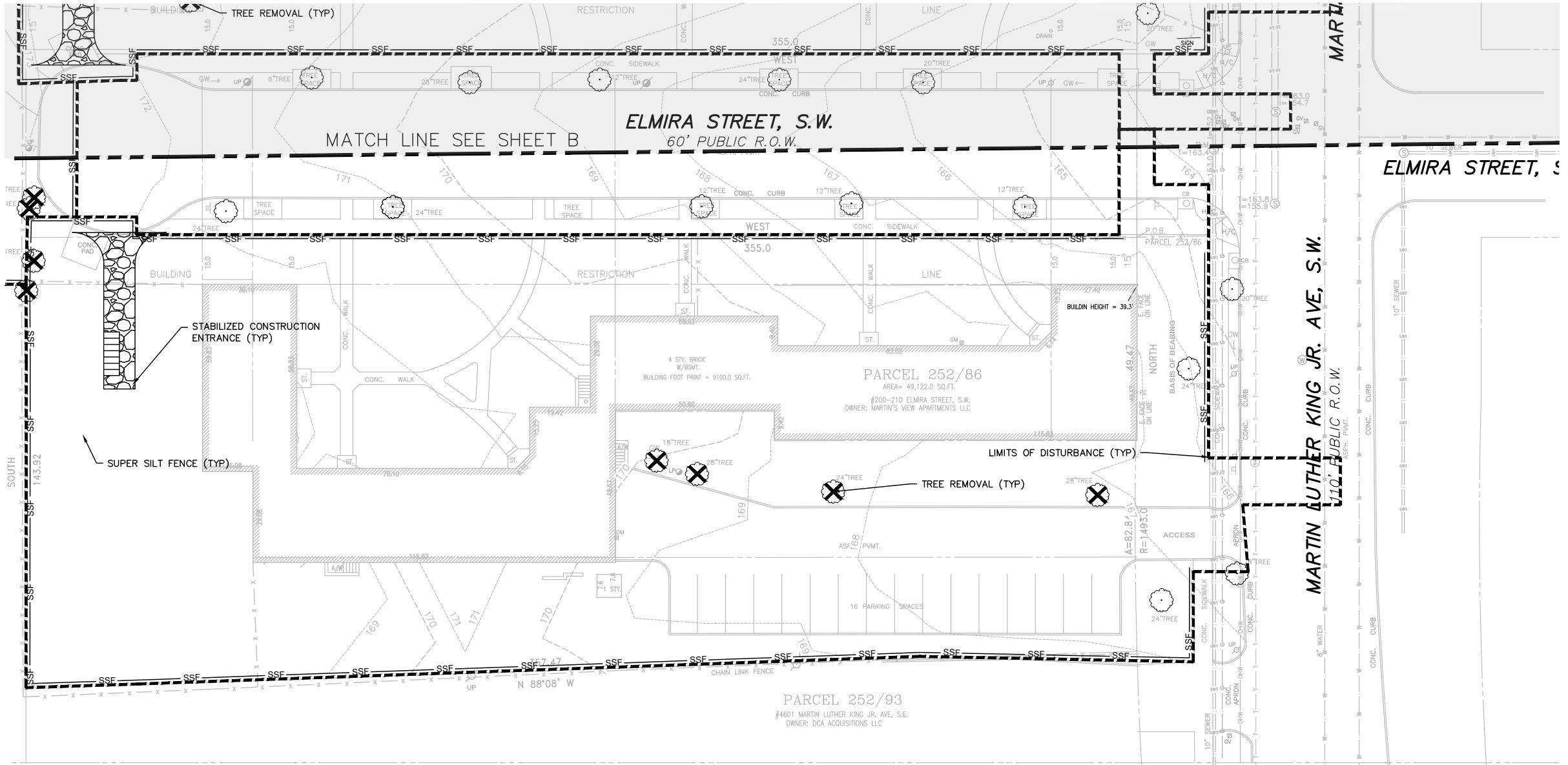
GRAPHIC SCALE

$$1 \text{ inch} = 40 \text{ ft.}$$

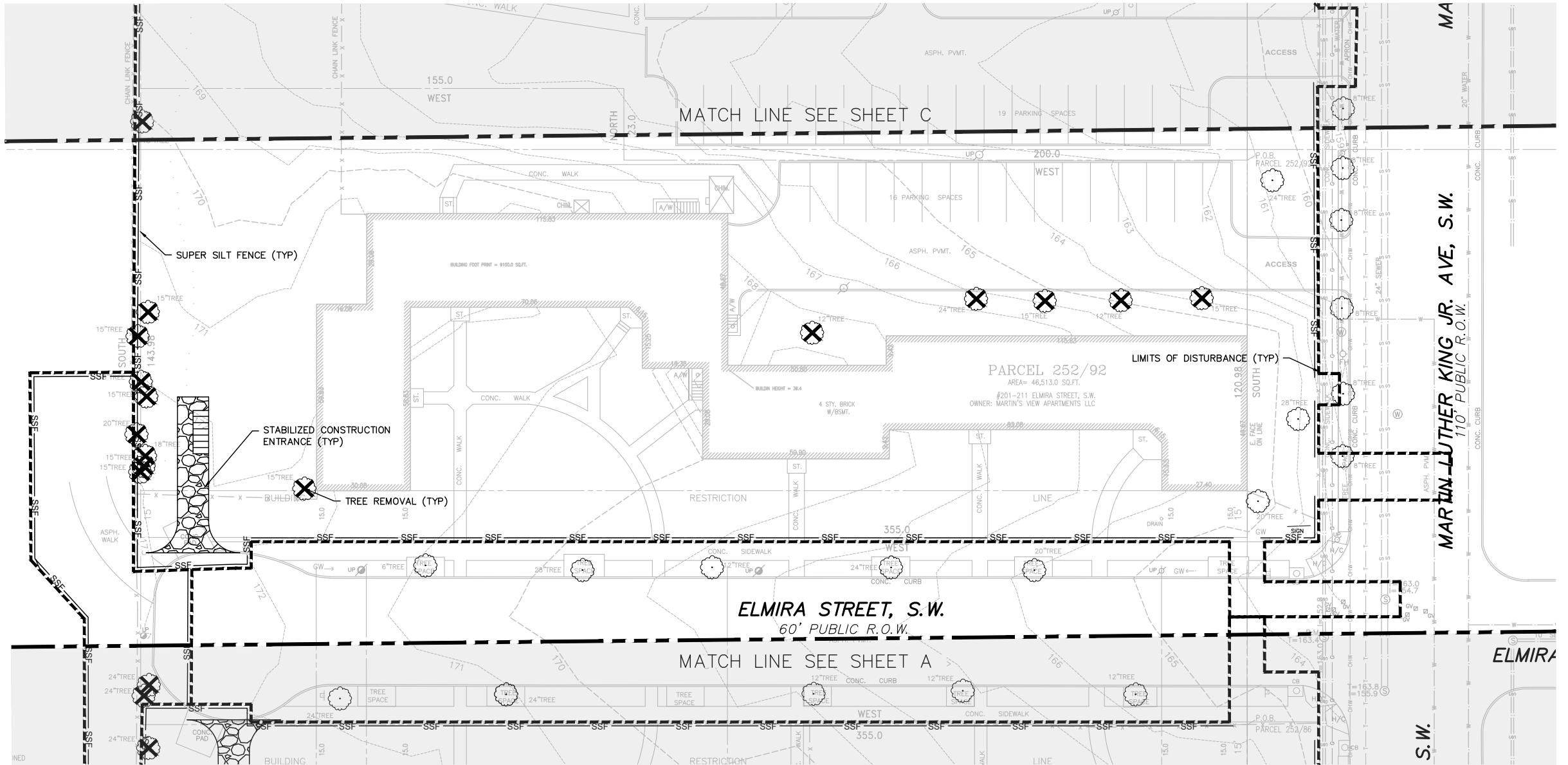


DECEMBER 19, 2023

SEDIMENT AND EROSION CONTROL PLAN OVERALL



GRAPHIC SCALE
1 inch = 40 ft.

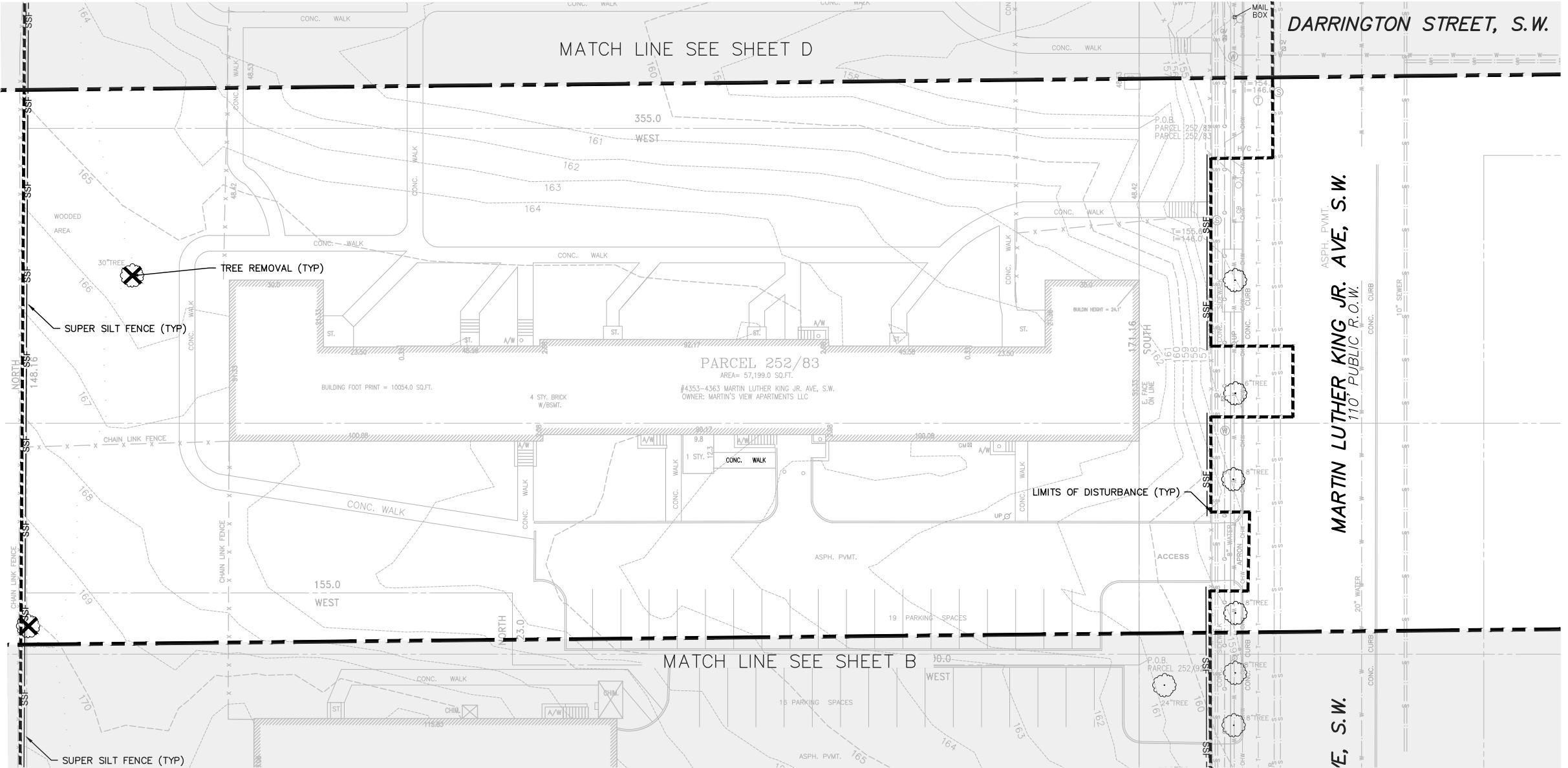


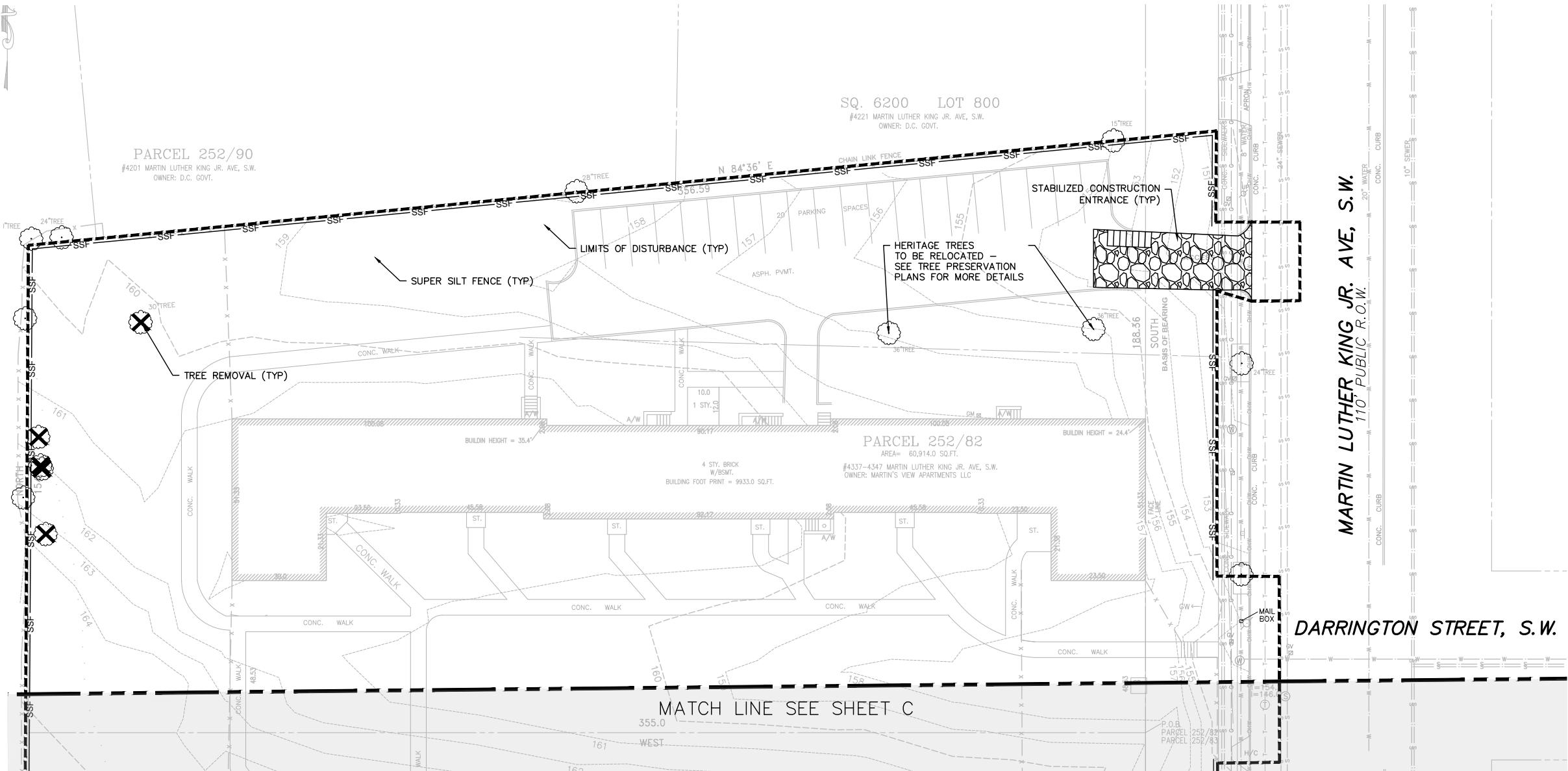
LAYOUT: 0710 SEC B, Plotted By: ruhl

S:\V0001-1000\0758A - Martin Luther King Jr. Ave. & Elmira St. - PUD Design Package\0000\0758A\000.dwg - Nov 13, 2023 AT 2:46:08 PM

DECEMBER 19, 2023

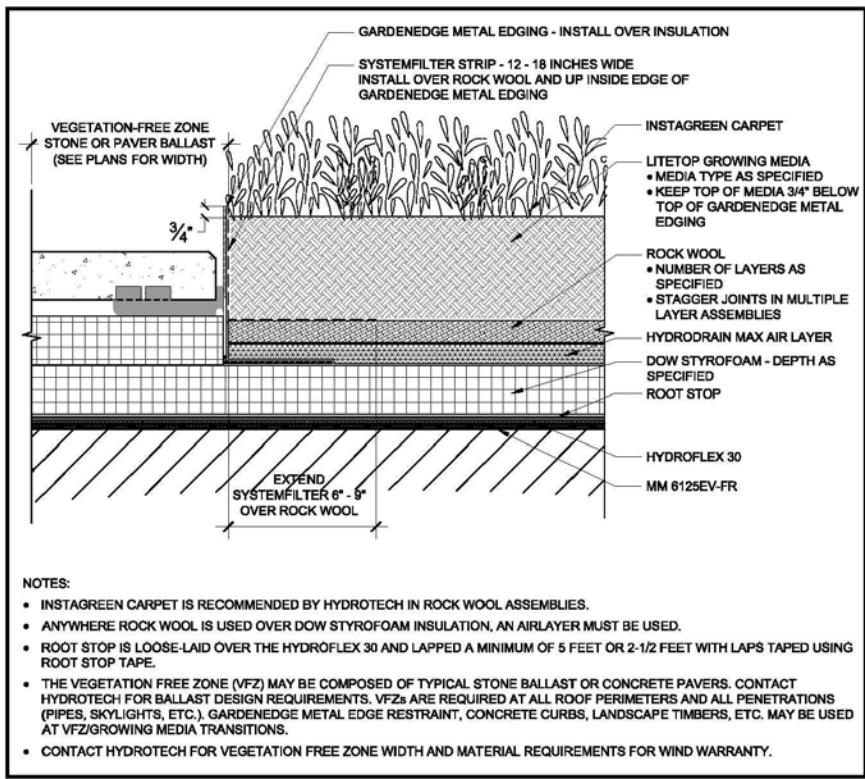
SEDIMENT AND EROSION CONTROL PLAN B





SWRv		60914			CN	Weighted CN	S	Target Rainfall Event		
Total Area =	60914	SDA 1	SDA 2	SDA 3				2-yr storm	15-yr storm	100-yr storm
Post-project Land Cover		0	0	0	70	95.20970549	0.50	3.2	5.2	8.37
Major Substantial Improvement	=	0	0	0						
Natural Cover	=	0	0	0						
Compacted Cover	=	7,082	0	0	74					
Impervious Cover	=	45,307	0	0	98					
BMP Cover	=	8,525	0	0	98					
Total Disturbed Area	=	60,914	60,914	0	0					
SWRv =		5,291 CF								
		39,577 Gallons								
On-site Retention Achieved =		5,440 CF								
		40,688 Gallons								
SRC Eligibility =		1,111 Gallons								
Storage Volume of BMP's =		8301.554167 CF								

BUILDING 4 – SWM CALCULATIONS



TYPICAL GREEN ROOF SECTION DETAIL*

SWRv		103712			CN	Weighted CN	S	Target Rainfall Event		
Total Area =	103712	SDA 1	SDA 2	SDA 3				2-yr storm	15-yr storm	100-yr storm
Post-project Land Cover		0	0	0	70	95.15921012	0.51	3.2	5.2	8.37
Major Substantial Improvement	=	0	0	0						
Natural Cover	=	0	0	0						
Compacted Cover	=	12,276	0	0	74					
Impervious Cover	=	62,999	0	0	98					
BMP Cover	=	28,437	0	0	98					
Total Disturbed Area	=	103,712	103,712	0	0					
SWRv =		8,993 CF								
		67,270 Gallons								
On-site Retention Achieved =		9,222 CF								
		68,981 Gallons								
SRC Eligibility =		1,711 Gallons								
Storage Volume of BMP's =		12711.53283 CF								

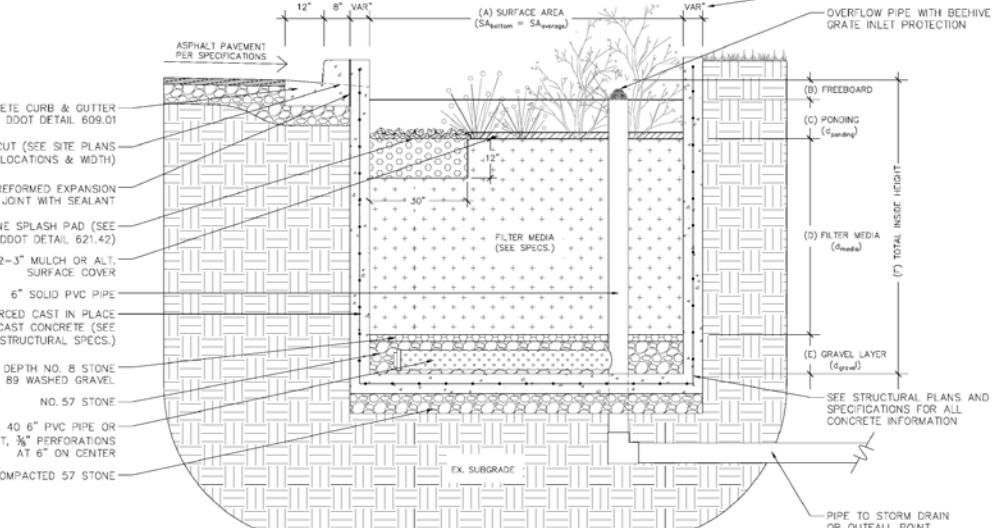
BUILDING 2 & 3 – SWM CALCULATIONS

SWRv		22610			CN	Weighted CN	S	Target Rainfall Event		
Total Area =	22610	roof 1	25452	drive aisle	5445	courtyard	9492	2-yr storm	15-yr storm	100-yr storm
Post-project Land Cover		0	0	0	70	95.15921012	0.51	3.2	5.2	8.37
Major Substantial Improvement	=	0	0	0						
Natural Cover	=	0	0	0						
Compacted Cover	=	12,276	0	0	74					
Impervious Cover	=	62,999	0	0	98					
BMP Cover	=	28,437	0	0	98					
Total Disturbed Area	=	103,712	103,712	0	0					
SWRv =		8,993 CF								
		67,270 Gallons								
On-site Retention Achieved =		9,222 CF								
		68,981 Gallons								
SRC Eligibility =		1,711 Gallons								
Storage Volume of BMP's =		12711.53283 CF								

BUILDING 2 & 3 – SWM CALCULATIONS

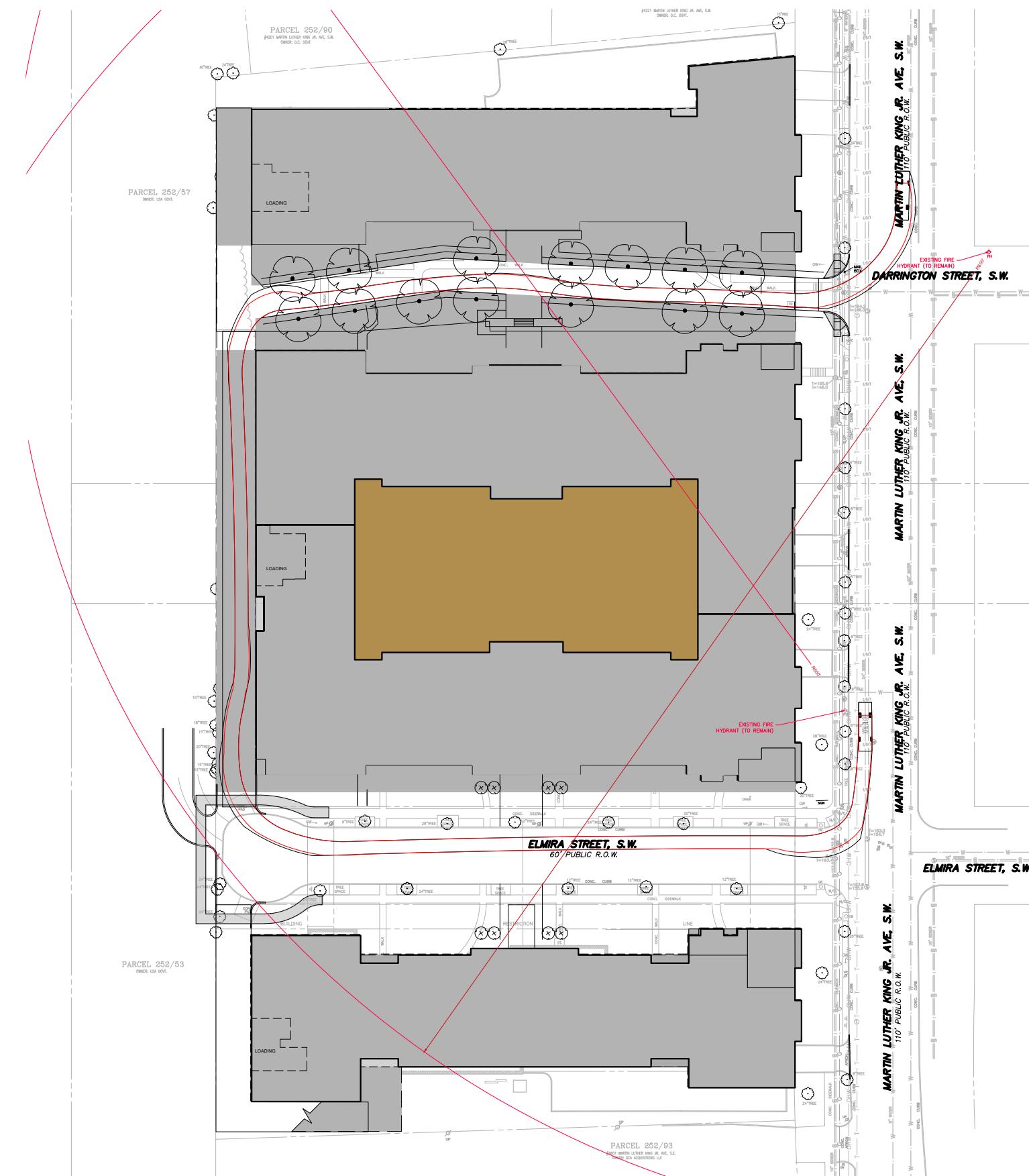
SWRv		49122			CN	Weighted CN	S	Target Rainfall Event		
Total Area =	49122	SDA 1	SDA 2	SDA 3				2-yr storm	15-yr storm	100-yr storm
Post-project Land Cover		0	0	0	70	91.28398681	0.95	3.2	5.2	8.37
Major Substantial Improvement	=	0	0	0						
Natural Cover	=	0	0	0						
Compacted Cover	=	13,746	0	0	74					
Impervious Cover	=	29,030	0	0	98					
BMP Cover	=	6,346	0	0	98					
Total Disturbed Area	=	49,122	49,122	0	0					
SWRv =		3,704 CF								
		27,709 Gallons								
On-site Retention Achieved =		3,757 CF								
		28,101 Gallons								
SRC Eligibility =		392 Gallons								
Storage Volume of BMP's =		5664.804333 CF								

BUILDING 1 – SWM CALCULATIONS



TYPICAL BIO-RETENTION SECTION DETAIL*

*NOTE: DETAILS ARE SCHEMATIC AND SUBJECT TO CHANGE BASED ON FINAL ENGINEERING CALCULATIONS

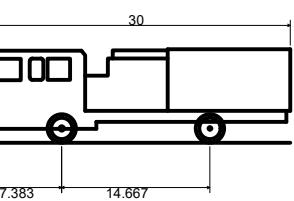


DC FIRE & EMS DEPARTMENT
ENGINE SPECIFICATIONS



LEGEND

FIRE VEHICLE TURNING MOVEMENTS



DC FIRE TRUCK
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock-to-lock time
Wall to Wall Turning Radius

30.000ft
8.000ft
9.250ft
1.367ft
8.000ft
5.00s
31.833ft

360.25" (30' 0.25") Bumper to Bumper Length
176.5" (14' 8.5") Wheelbase
88.25" (7' 4.25") Front Bumper to Front Axle
95.5" (7' 11.49") Rear Axle to Rear Bumper
112" (9' 4") Overall Height (Estimate)
96" (8' 0") Overall Width (Outside Body)
Rub Rails to Outside Body
Rub Rails

Angle of Approach is 14°
Angle of Departure is 15°

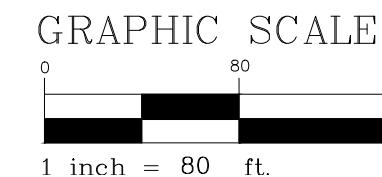
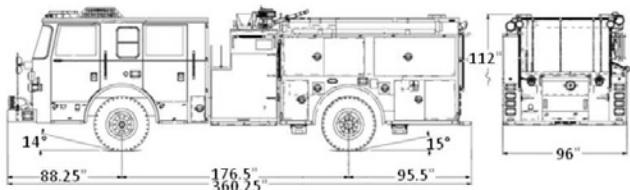


Turning Radius

164" (13' 8") Inner Curb Clearance
333" (27' 3") Curb Clearance
382" (31' 10") Wall Clearance

Weight

40,000 LBS. (Approximate total vehicle weight)



DECEMBER 19, 2023

FIRE MARSHALL SITE PLAN/FIRE HYDRANT EXHIBIT