LANDSCAPE AND LIGHTING PLAN
at
GREENBELT METRO
21st ELECTION DISTRICT
PRINCE GEORGE'S COUNTY, MARYLAND

OVERALL LANDSCAPE PLAN

LEGEND

- PARKING LOT AREA EXTENTS
- INTERIOR PARKING LOT LANDSCAPED AREA
- PROPOSED MAJOR SHADE TREES
- PROPOSED INTERIOR PARKING TREE
- PROPOSED MINOR SHADE TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED SMALL EVERGREEN TREE
- PROPOSED SHRUBS
- PROPOSED FENCE
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- SITE RAIL
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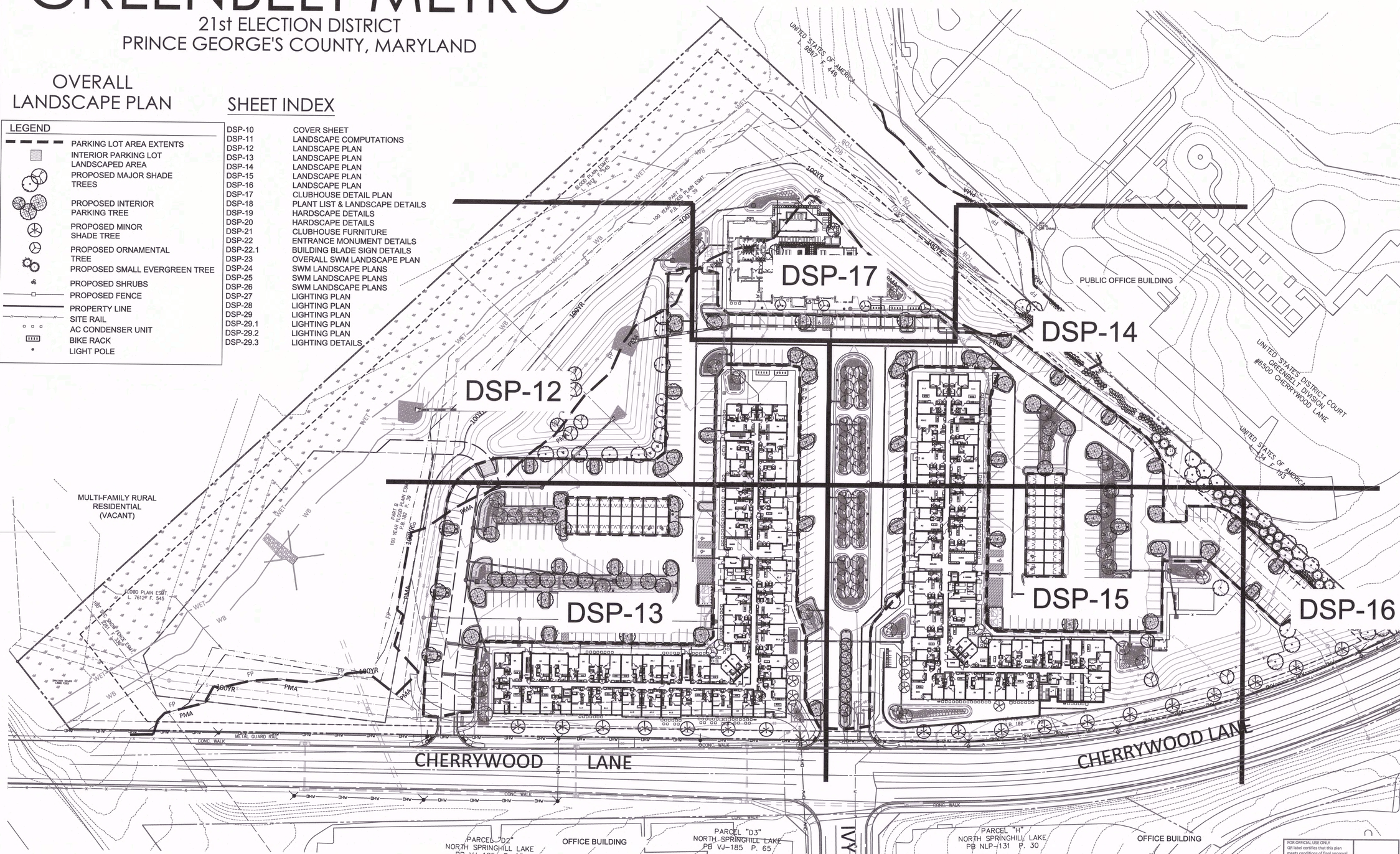

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M-NCPPC APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
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STATE OF MARYLAND KEVIN J. TANKERSLEY NO. 795 LICENSED LANDSCAPE ARCHITECT

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020.*

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
	ISSUED	06.07.2019
	ISSUED	07.16.2019
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	ISSUED	10.07.2019

Project Name
GREENBELT METRO
21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL
Project No. 18-078
Date OCTOBER 09 2019

Drawing Title
COVER SHEET

Scale: 1" = 50'-0"

Drawing Number
DSP-10

GREENBELT METRO

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LANDSCAPE COMPUTATIONS PER Z.O.

Tree Canopy Coverage Schedule for Section 25-128

Project Name:	TCP#2:	DRD Case #:	Area (acres)
Greenbelt Metro		DSP-19014	
Site Calculations	**Zone 1:**	C-0	15.91
	Zone 2:		0
	Zone 3:		0
	Zone 4:		0
	Total Acres:		15.91

Total Acres (Gross acres)	**% of TCC Required**	**TCC Required (Acres)**	**TCC Required in (SF)**
15.91	10.00%	1.59	69,304
A. Total on-site WC provided (acres)=	0.00	acres	0
B. Total area existing trees (non-WC acres)=	3.70	acres	161,172
C. Total square footage in landscape trees =			45,090
D. Total tree canopy coverage provided =			206,262
E. Total square footage required=			69,304
			Requirement Satisfied

Credit Categories for Landscape Trees	**TCC Credit per Tree Based on Size at Planting (SF)**	**Number of Trees**	**TCC Credit (SF)**
Deciduous - **columnar** shade tree (50' or less height)	**2- 1/2 - 3" = 65**	0	0
	3- 3 1/2" = 75	0	0
Deciduous - **ornamental** tree (20' or less height with equal spread). Minimum planting size 7-9' in height	**1- 1/2 - 1-3/4" = 75**	32	2,400
	2- 2 1/2" = 100	0	0
	2- 1/2 - 3" = 110	0	0
Deciduous - **minor shade** tree (25-50' height with equal spread or greater). Minimum planting size 8-10' in height	**2- 1/2 -3" = 160**	69	11,040
	3- 3 1/2" = 175	0	0
Deciduous - **major shade** tree (50' and greater ht. with spread equal to or greater than ht) Minimum planting size 12 to 14' in ht.	**2 -1/2 - 3" =225**	129	29,025
	3 - 3 1/2" = 250	0	0
Evergreen - **columnar** tree (less than 30' height with spread less than 15')	**6 - 8' = 40**	0	0
	8 - 10' = 50	0	0
	10 - 12' = 75	0	0
Evergreen - **small tree** (30-40' height with spread of 15- 20')	**6 - 8' = 75**	0	0
	8 - 10' =100	0	0
	10 - 12' = 125	0	0
Evergreen - **medium tree** (40-50' height with spread of 20-30')	**6 - 8' = 125**	21	2,625
	8 - 10' = 150	0	0
	10 - 12' = 175	0	0
Evergreen - **large tree** (50' height or greater with spread of over 30')	**6 - 8' =150**	0	0
	8 - 10' = 200	0	0
	10 - 12' = 250	0	0
TOTAL NUMBER OF TREES/TCC CREDIT (SF)		251	45,090

LANDSCAPE COMPUTATIONS PER LANDSCAPE MANUAL

LANDSCAPE MANUAL SCHEDULE
RESIDENTIAL REQUIREMENTS FOR MULTI-FAMILY (Sec 4.1-4)

1) General Plan Designation	Multifamily (1 shade tree / 1,000 sf of green space provided)	
2) Green Space Provided (sf):	118,000	
4) Number of Shade Trees Required :	118	
5) Total Number of Trees Provided:	92	Shade Trees
(Excludes trees within interior parking lot planting areas)	32	Ornamental Trees
	21	Evergreen Trees
		Existing Shade Trees

Note: Ornamental and Evergreen trees may be substitued for shade trees at a rate of 2:1, not to exceed 25% of total shade tree requirement

LANDSCAPE MANUAL SCHEDULE
Interior Planting for Parking Lots 7,000 SF or Larger (Section 4.3-C-2)

Interior Parking Lot Planting:	SF	%
1) Parking Lot Area	196,757	
2) Interior Landscaped Area **Required:**	29,514	15%
3) Interior Landscaped Area **Provided:**	29,550	15%
4) Min. No. of shade trees **required:** 1/300 sf interior planting area provided	99	
5) No. of shade trees **provided:**	99	
	YES/NO	
6) Min. of 160 SF pervious land area per shade tree?	YES	
7) Planting island on average every 10 spaces?	YES	
8) Curb or wheel stop provided all spaces abutting planting or pedestrian area?	YES	
9) Planting islands either parallel or perpendicular to parking spaces on both sides min. of 9' wide?	YES	
10) Planting islands perpendicular to parking spaces on one side min. 6' wide?	YES	
11) For parking lots 50,000 sf or larger: a) 9' wide planting island perpendicular to parking for every 2 bays?	YES	
b) or number of shade trees increased to 1/200 sf interior planting area provided		

Note: Garage Areas are excluded from Parking Lot Area

LANDSCAPE MANUAL SCHEDULE
SUSTAINABLE PLANT REQUIREMENTS (Section 4.9-1)

1) Percentage of Native Plant Material Required in Each Category		Required			Provided		
Shade Trees:	Total	191	X 50%=	96	136	71%	NATIVE
Ornamental Trees:	Total	32	X 50%=	16	20	63%	NATIVE
Evergreen Trees:	Total	21	X 30%=	6	10	48%	NATIVE
Shrubs:	Total	1347	X 30%=	404	858	64%	NATIVE
2) Are Invasive Species Proposed?							NO
3) Are existing invasive species on site in areas? That are to remain undisturbed?							NO
4) If "Yes", is a note on the plan requiring removal of invasive species prior to certification in accordance with section 1.5, certification of installation of plant							
5) Are trees proposed to be planted on slopes greater than 3:1?							NO

NOTE

PER THE DEVELOPMENT DISTRICT OVERLAY ZONE APPLICABILITY STANDARDS, PAGE 224, LANDSCAPE BUFFERS ARE REQUIRED WHEN DEVELOPMENT AREAS SHARE A PROPERTY LINE WITH EXISTING RESIDENTIAL NEIGHBORHOODS. PROPOSED DEVELOPMENT WITH THIS APPLICATION DOES NOT ABUT EXISTING RESIDENTIAL. THEREFORE, NO LANDSCAPE BUFFERS ARE REQUIRED.

STREETSCAPE TREE REQUIREMENTS (STD. 600.01)

STD. 600.01
STREET TREE REQUIREMENTS

1) Public Road (City Street)	Length	Required	Provided
Cherrywood Lane (Urban R/W)	950 LF	19 1 tree / 50 LF	20

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STATE OF MARYLAND — JOHN A. YANKOSKY — LICENSED LANDSCAPE ARCHITECT

10/7/2019

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21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title
LANDSCAPE COMPUTATIONS

Scale: N/A

Drawing Number
DSP-11

GREENBELT METRO

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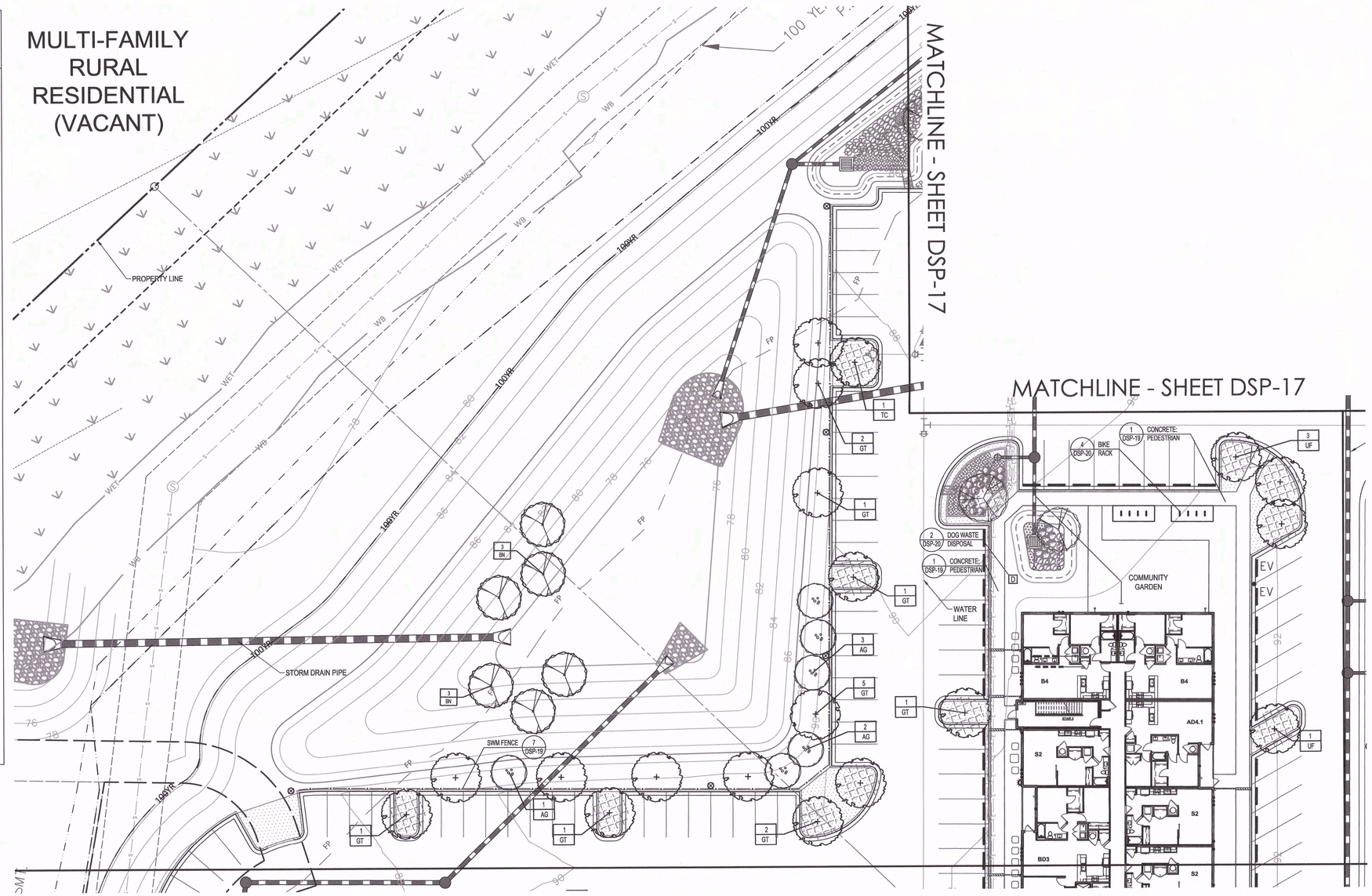

0' 10' 20' 40' 80'

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JOHN J. TANKERSTEN
LANDSCAPE ARCHITECT
10/7/2019

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GREENBELT METRO

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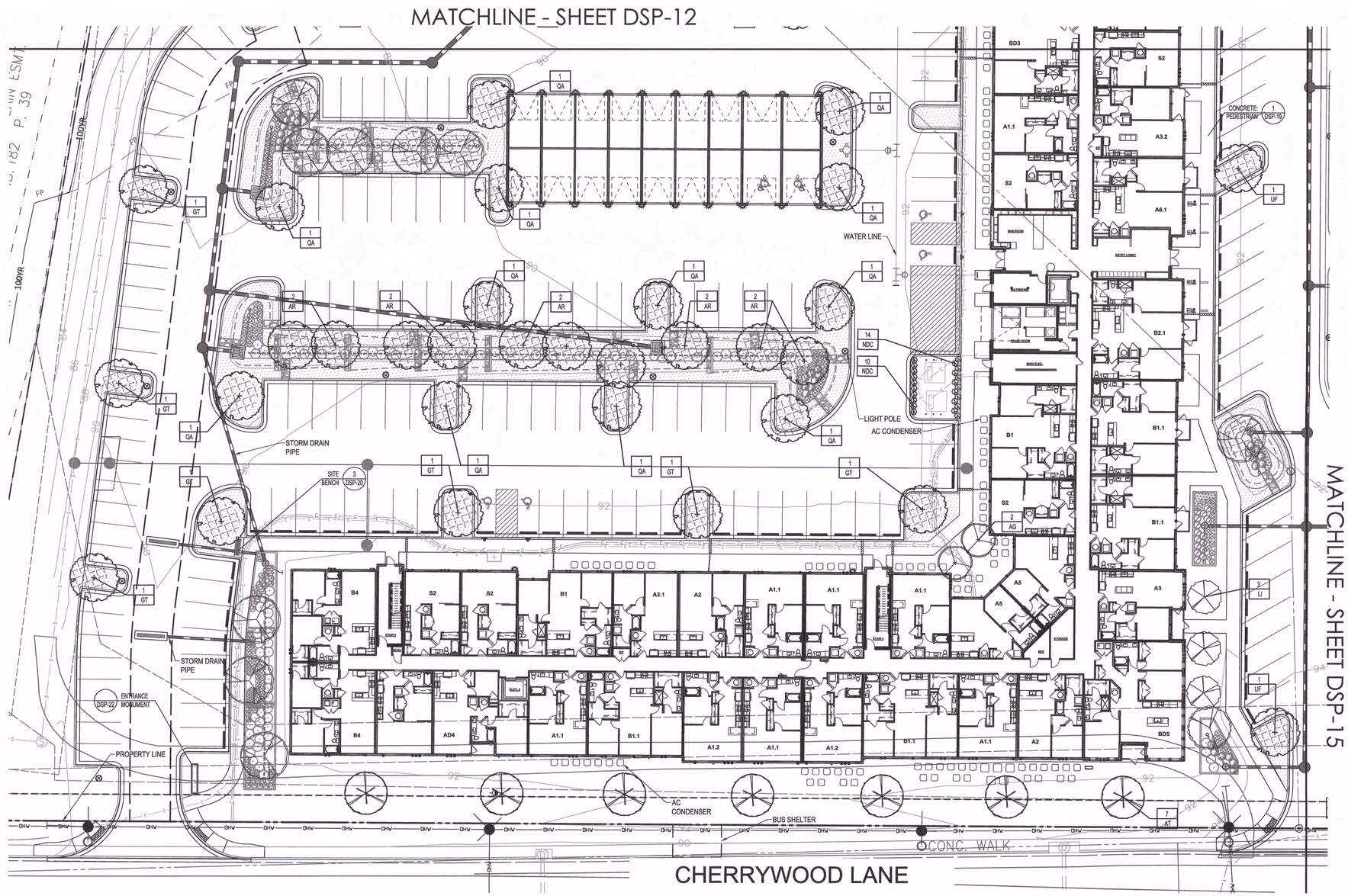

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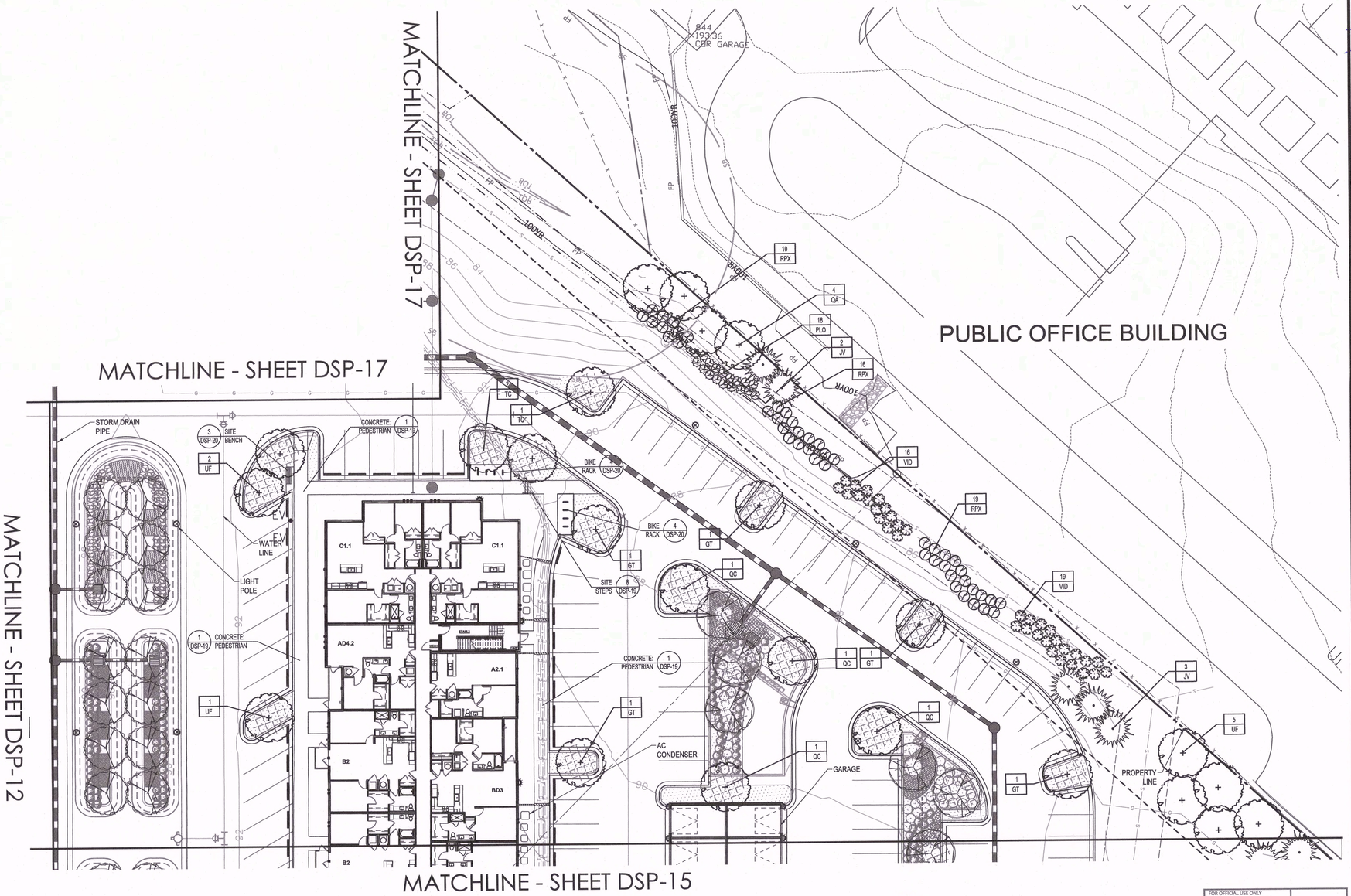

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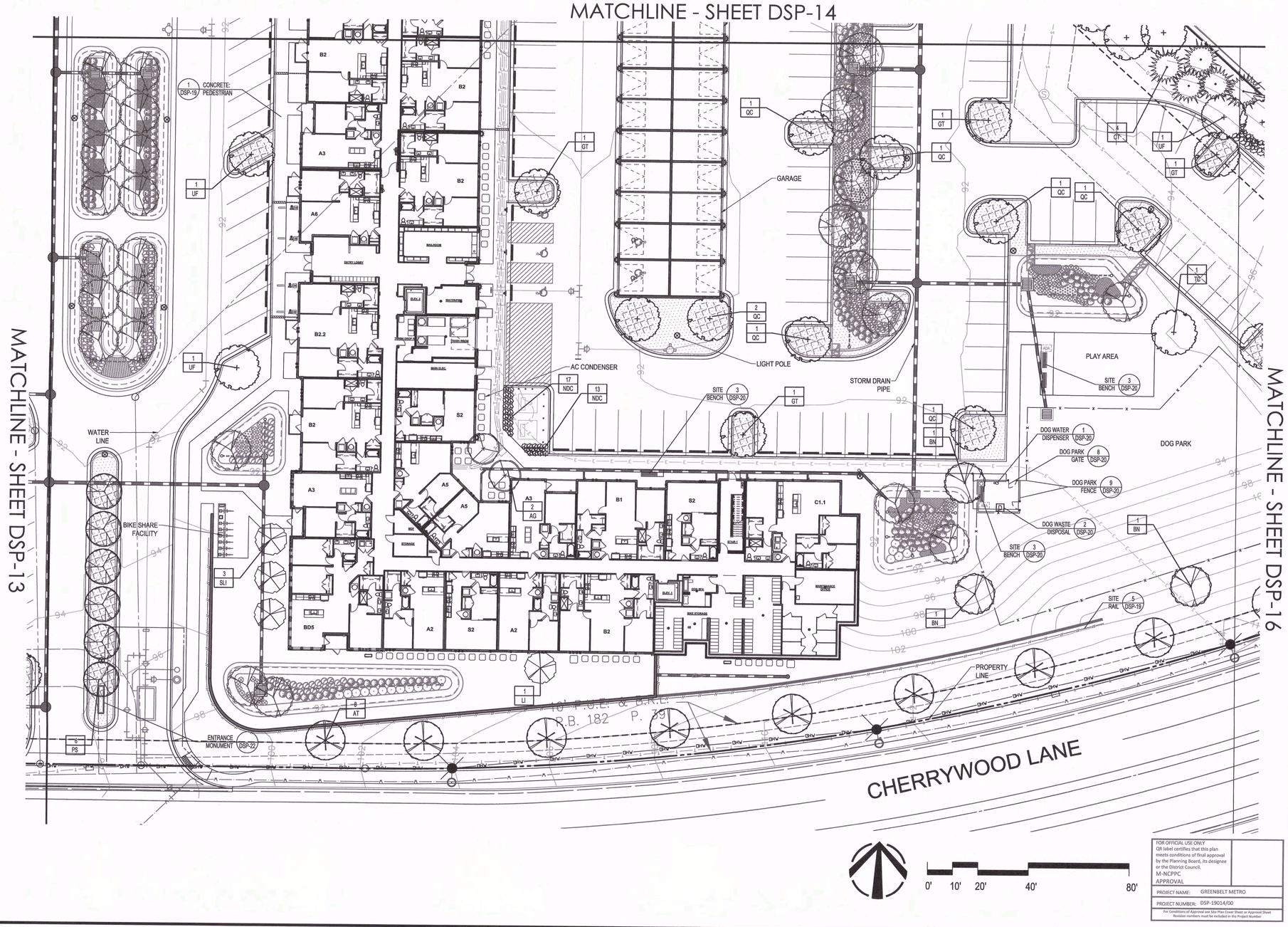

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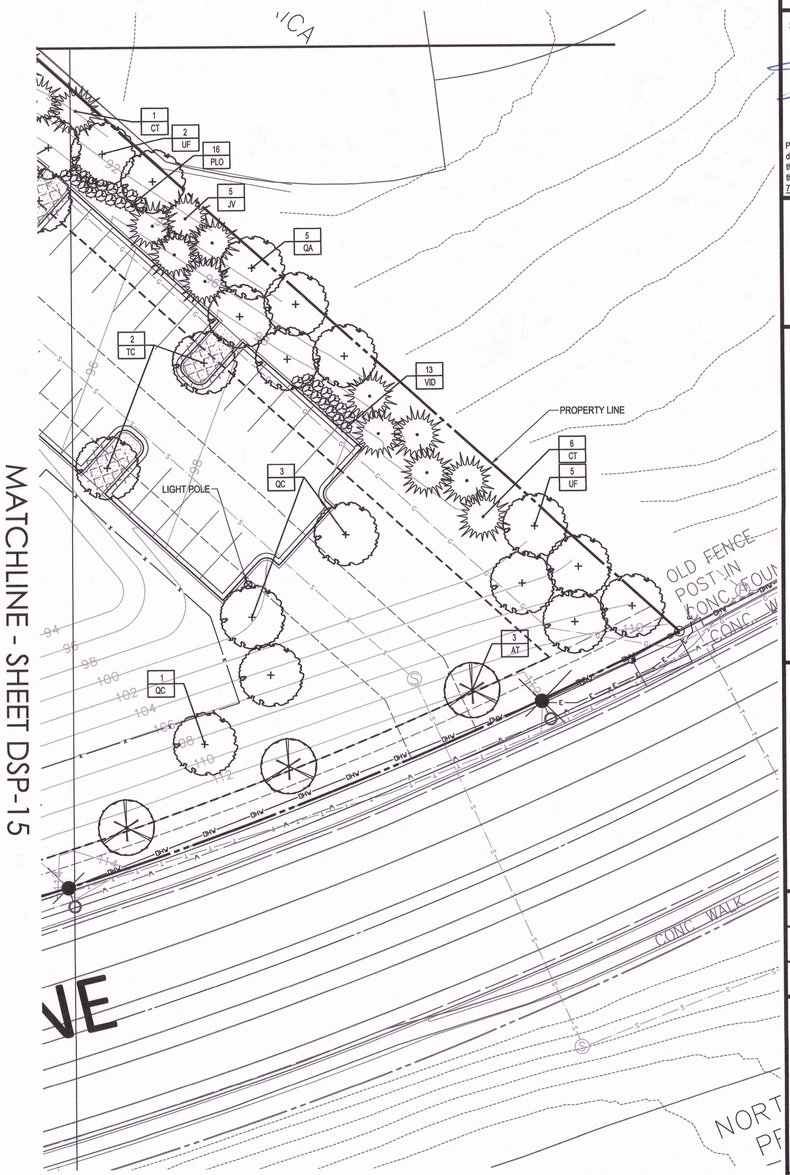

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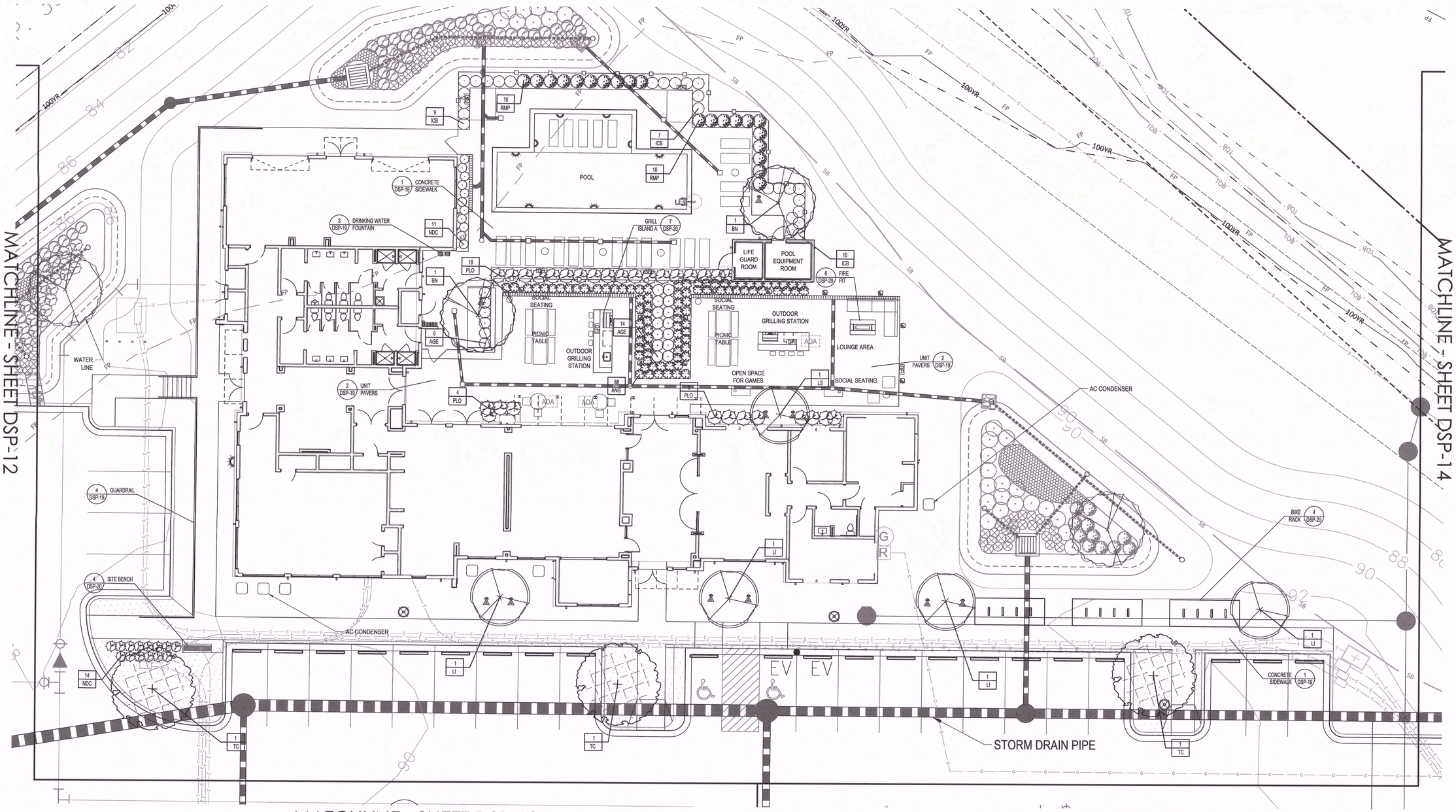

MATCHLINE - SHEET DSP-12

MATCHLINE - SHEET DSP-14

RECREATIONAL FACILITIES

- POOL
- OUTDOOR GRILLING STATIONS
- SOCIAL SEATING
- LOUNGE AREA
- FIRE PIT
- OPEN AREA FOR GAMES

RECREATIONAL AMENITIES IN COURTYARD TO BE PROVIDED AT TIME OF BUILDING OCCUPANCY

0' 5' 10' 20' 40'

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21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title

CLUBHOUSE DETAIL PLAN

Scale: 1" = 10'-0"

Drawing Number

DSP-17

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L1.00-18078-Landscape.dwg [DSP-17 CLUBHOUSE DETAIL PLAN] October 07, 2019 – 4:46pm pmathur

PLANTING NOTES

PLANTING SPECIFICATIONS SHALL BE AS OUTLINED BELOW OR AS SPECIFIED AS BEST PRACTICES IN THE INDUSTRY. ANY ITEM OR PROCEDURE NOT MENTIONED BELOW SHALL BE AS SPECIFIED IN THE LANDSCAPE SPECIFICATION GUIDELINES PUBLISHED BY THE LANDSCAPE CONTRACTORS ASSOCIATION (LATEST EDITION) OR AS SUBSEQUENTLY AMENDED.

(A) PLANT MATERIALS
THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL AND/OR DIG, BALL, BURLAP, AND TRANSPLANT ALL OF THE PLANT MATERIALS CALLED FOR ON THE DRAWINGS AND/OR LISTED IN THE PLANT SCHEDULE.

(B) PLANT NAMES
PLANT NAMES USED IN THE PLANT SCHEDULE SHALL BE IDENTIFIED IN ACCORDANCE WITH HORTUS THIRD, BY L. H. BAILEY, 1976 OR ANY SUBSEQUENT EDITION.

(C) PLANT STANDARDS
ALL PLANT MATERIALS SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF TILE "AMERICAN STANDARD FOR NURSERY STOCK," LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (HEREAFTER REFERRED TO AS "ANLA STANDARDS"). ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY, SHALL HAVE A NORMAL HABIT OF GROWTH, AND SHALL BE FIRST QUALITY, SOUND, VIGOROUS, WELL-BRANCHED, AND WITH HEALTHY WELL-FURNISHED ROOT SYSTEMS. THEY SHALL BE FREE OF DISEASE, INSECT PESTS, AND MECHANICAL INJURIES.

(1) ALL PLANTS SHALL BE NURSERY GROWN AND SHALL HAVE BEEN GROWN UNDER THE SAME CLIMATIC CONDITIONS AS TILE LOCATION OF THIS PROJECT FOR AT LEAST TWO YEARS BEFORE PLANTING. NEITHER HEELED-IN PLANTS NOR FROM COLD STORAGE WILL BE ACCEPTED.

(2) COLLECTED PLANTS OR TRANSPLANTED TREES MAY BE CALLED FOR BY THE LANDSCAPE ARCHITECT AND USED, PROVIDED, HOWEVER, THAT LOCATIONS AND SOIL CONDITIONS WILL PERMIT PROPER BALLING.

(D) PLANT MEASUREMENTS
ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE.

(1) CALIPER MEASUREMENTS SHALL BE TAKEN SIX (6) INCHES ABOVE GRADE FOR TREES UNDER FOUR (4) INCH CALIPER AND TWELVE (12) INCHES ABOVE GRADE FOR TREES FOUR (4) INCHES CALIPER AND OVER.

(2) MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE SIX (6) TO EIGHT (8) FEET.

(3) MINIMUM SIZE FOR PLANTING SHADE TREES SHALL BE TWO AND ONE HALF TO THREE (2-1/2-3) INCHES CALIPER, TWELVE TO FOURTEEN (12-14) FEET IN HEIGHT.

(4) MINIMUM SIZE FOR PLANTING MINOR SHADE TREES SHALL BE TWO AND ONE HALF TO THREE(2-1/2-3) INCHES CALIPER, EIGHT TO TEN (8-10) FEET IN HEIGHT.

(5) MINIMUM SIZE FOR PLANTING OMAMENTAL TREES SHALL BE ONE AND A HALF TO ONE AND THREE-FOURTHS (1-1/2-1-3/4) INCHES CALIPER, SEVEN TO NINE (7-9) FEET IN HEIGHT.

(6) MINIMUM SIZE FOR PLANTING EVERGREEN TREES SHALL BE SIX TO EIGHT (6-8) FEET IN HEIGHT.

(7) CALIPER, HEIGHT, AND SPREAD SHALL BE GENERALLY AS FOLLOWS:

CALIPER	HEIGHT	SPREAD
2-2-1/2"	12'-14'	6'-8'
2-1/2"-3"	12'-14'	6'-8'
3"-3-1/2"	14'-16'	6'-8'
3-1/2"-4"	14'-16'	8'-10'
4"-4-1/2"	16'-18'	8'-10'
4-1/2"-5"	16'-18'	10'-12'
5"-5-1/2"	18'-20'	10'-12'
5-1/2"-6"	18'-20'	12'-14'

ALL PLANT MATERIAL SHALL GENERALLY AVERAGE THE MEDIAN FOR THE SIZE RANGES INDICATED ABOVE AND AS INDICATED IN THE ANLA STANDARDS.(8) MINIMUM SIZE FOR PLANTING SHRUBS SHALL BE, IN GENERAL, EIGHTEEN TO TWENTY-FOUR (18-24) INCHES IN HEIGHT OR SPREAD, AS APPROPRIATE, EXCEPT THAT A LARGER SIZE MAY BE REQUIRED WHEN DEEMED APPROPRIATE BY THE PLANNING DIRECTOR (OR DESIGNEE) IN THE CASE OF PARTICULAR SPECIES OR PLANTING SITUATIONS.

(E) PLANTING METHODS
ALL PROPOSED PLANT MATERIAL THAT MEETS THE SPECIFICATIONS IN APPENDIX 4, SECTION A), PLANT MATERIALS, ARE TO BE PLANTED IN ACCORDANCE WITH THE FOLLOWING PLANTING METHODS DURING THE PROPER SEASONS AS DESCRIBED BELOW.

(1) PLANTING SEASONS
A PROFESSIONAL HORTICULTURALIST/NURSERYMAN SHALL BE CONSULTED TO DETERMINE THE PROPER TIME, BASED ON PLANT SPECIES AND WEATHER CONDITIONS, TO MOVE AND INSTALL PARTICULAR PLANT MATERIAL TO MINIMIZE STRESS TO THE PLANT. PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING THE WINTER MONTHS PROVIDED THERE IS NO FROST IN THE GROUND AND FROST-FREE TOP SOIL PLANTING MIXTURES ARE USED.

(2) DIGGING ALL PLANT MATERIAL SHALL BE DUG, BALLED, AND BURLAPPED OR BARE ROOT IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.

(3) EXCAVATION OF PLANT PITS THE LANDSCAPE CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS, HEDGE TRENCHES AND SHRUB BEDS AS FOLLOWS:

(A) ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, WITH BOWL SHAPED SIDES. THE TREE PIT SHALL BE DEEP ENOUGH TO ALLOW ONE-EIGHTH (1/8) OF THE BALL TO BE ABOVE THE EXISTING GRADE. PLANTS SHALL REST ON UNDISTURBED EXISTING SOIL OR WELL-COMPACTED BACKFILL. THE TREE PIT MUST BE A MINIMUM OF NINE (9) INCHES LARGER ON EVERY SIDE THAN THE BALL OF THE TREE.

(B) IF AREAS ARE DESIGNATED AS SHRUB BEDS OR HEDGE TRENCHES, THEY SHALL BE CULTIVATED TO AT LEAST AN EIGHTEEN (18) INCHES IN DEPTH MINIMUM. AREAS DESIGNATED FOR GROUND COVERS AND VINES SHALL BE CULTIVATED TO AT LEAST TWELVE (12) INCHES IN DEPTH MINIMUM.

(4) STAKING, GUYING, AND WRAPPING

SEE THE LANDSCAPE SPECIFICATION GUIDELINES.

(5) PLANT PRUNING, EDGING, AND MULCHING

(A) EACH TREE, SHRUB, OR VINE SHALL BE PRUNED IN AN APPROPRIATE MANNER TO ITS PARTICULAR REQUIREMENTS IN ACCORDANCE WITH ACCEPTED STANDARD PRACTICES AS STATED IN ANSI STANDARDS A300 FOR PRUNING. BROKEN OR BRUISED BRANCHES SHALL BE REMOVED WITH CLEAN CUTS MADE ON AN ANGLE FROM THE BARK RIDGE TOT HE BRANCH COLLAR, NO FLUSH CUTS, TO MINIMIZE THE AREA CUT. ALL CUTS SHALL BE MADE WITH SHARP TOOLS. TRIM ALL EDGES SMOOTH. NO TREE WOUND DRESSINGS SHALL BE APPLIED.

(B) ALL TRENCHES AND SHRUB BEDS SHALL BE EDGED AND CULTIVATED TO THE LINES SHOWN ON THE DRAWING. THE AREAS AROUND ISOLATED PLANTS SHALL BE EDGED AND CULTIVATED TO THE FULL DIAMETER OF THE PIT. SOD THAT HAS BEEN REMOVED AND STACKED SHALL BE USED TO TRIM THE EDGES OF ALL EXCAVATED AREAS TO THE NEAT LINES OF THE PLANT PIT SAUCERS, THE EDGES OF SHRUB AREAS, HEDGE TRENCHES AND VINE POCKETS.

(C) MULCH SHALL BE SHREDDED HARDWOOD MULCH THAT IS BROWN IN COLOR AND SHALL BE INSTALLED AT A (2"-3") TWO- TO THREE-INCH DEPTH. RED CEDAR MULCH OR RUBBER MULCH SHALL BE PROHIBITED.

(F) SOD

(1) SHALL BE MARYLAND CERTIFIED (LABELED), INSPECTED AND APPROVED BY THE MARYLAND DEPARTMENT OF AGRICULTURE.

(2) SOD SHALL BE A 90/10 MIX WITH 90% OF THE MIX SHALL BE A BLEND OF THREE TURF TYPE TALL FESCUES, AND AT LEAST I 0% BLUEGRASS. APPROVED VARIETIES SHALL BE SELECTED "RECOMMENDED TURFGRASS CULTIVARS FOR PROFESSIONAL SEED MIXTURES," UNIVERSITY OF MARYLAND TURFGRASS TECHNICAL UPDATE TT -77 MOST RECENT EDITION. A COPY OF THIS PUBLICATION CAN BE OBTAINED FROM M-NCPPC OR BY VISITING THE MARYLAND TURFGRASS COUNCIL WEBSITE HTTP://WWW.MDTURFCOUNCIL.ORG.

(3) SPECIFICATIONS FOR SOD MATERIALS

(A) THICKNESS OF CUT:
THE THICKNESS OF THE ROOTS AND SOIL SHOULD BE 1/2" TO 3/4".

(B) PAD SIZE:
INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIER'S STANDARD WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTH SSHALL BE 5%. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.

(C) STRENGTH OF SOD SECTIONS:
UNDER IDEAL CONDITIONS, STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY FROM A FIRM GRASP ON THE UPPER 10% OF THE SECTION WITHOUT THE USE OF NETTING. NOTE: YOUNGER TALL FESCUE WILL NOT BE STRONG ENOUGH TO PASS THIS TEST BUT IS STILL OKAY TO USE.

(D) SOD VIABILITY:
SOD SHALL NOT BE HARVESTED OR TRANSPLANTED UNDER DROUGHT CONDITIONS.

(E) TIME LIMITATIONS:
UNDER OPTIMAL CONDITIONS, SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. HOWEVER, BECAUSE SOD IS A PERISHABLE COMMODITY, IF HIGH TEMPERATURES AND LOW MOISTURE EXTREMES OCCUR, ITS VIABILITY DECLINES AND INSTALLATION SHOULD OCCUR WITHIN 24 HOURS FROM HARVEST. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED OR REJECTED.

(F) SOD STAPLES:
ON SLOPES GREATER THAN 3:1 OR STEEPER, SOD SHALL BE STAPLED AT A MINIMUM OF 4 STAPLES PER SQUARE YARD OF SOD.

(g) TOP SOIL

TOP SOIL SHALL BE RETAINED AND/OR PROVIDED ON ALL SITES AND SPREAD OVER ALL UNIMPROVED AREAS.

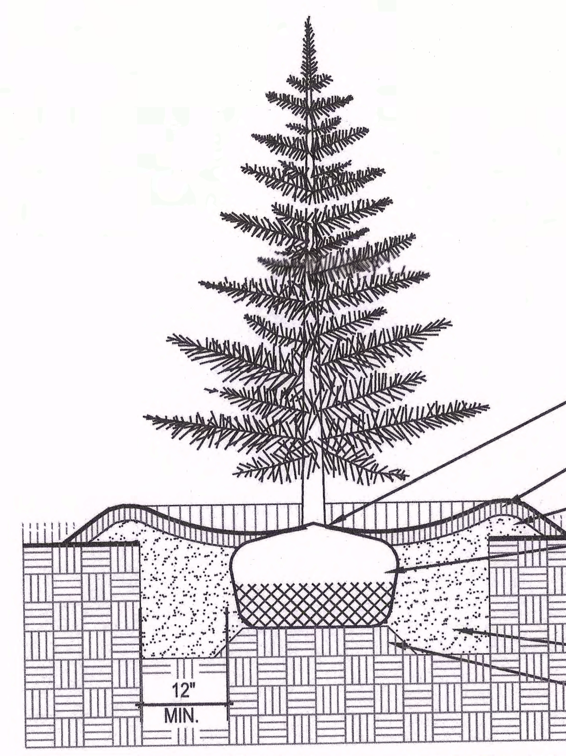
PLANTING DETAILS
SHALL BE IN ACCORDANCE WITH STANDARD PRACTICES IN THE INDUSTRY.

PLANT SCHEDULE

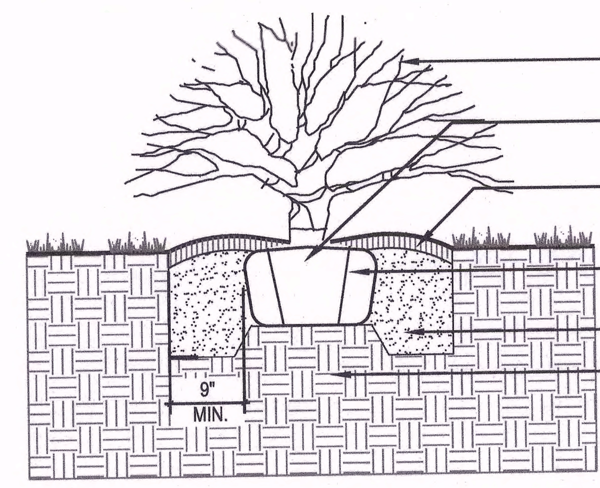
Vegetation Type	Qty.	Key	Botanical Name	Common Name	Size	Spacing	Type	Native*	Adaptive	Drought Tolerance	Remarks
SHADE TREES	10	AR	Acer rubrum 'October Glory'	October Glory Red Maple	2.5" Cal.	As Shown	B & B	X		Medium	Strong central leader
	18	AT	Acer tataricum	Tatarian Maple	2.5" Cal.	As Shown	B & B		X	High	Strong central leader
	11	BN	Betula nigra	River Birch	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
	30	GT	Gleditsia triacanthos inermis 'Shademaster'	Thornless Honeylocust	2.5" Cal.	As Shown	B & B		X	High	Strong central leader
	21	QA	Quercus borealis	Red Oak	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
	18	QC	Quercus coccinea	Scarlet Oak	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
	8	TC	Tilia cordata	Littleleaf Linden	2.5" Cal.	As Shown	B & B		X	Medium	Strong central leader
	6	PS	Prunus sargentii	Sargent Cherry	2.5" Cal.	As Shown	B & B		X	Medium	3-4 Stems
	24	UF	Ulmus americana 'Valley Forge'	Valley Forge Elm	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
ORNAMENTAL TREES	10	AG	Amelanchier grandiflora	Serviceberry	1.5" Cal.	As Shown	B & B	X		High	3-4 Stems
	11	LI	Lagerstroemia indica	Biloxi Crape Myrtle	1.5" Cal.	As Shown	B & B		X	High	3-4 Stems
	1	LS	Liquidambar styraciflua 'Slender Silhouette'	Columnar Sweetgum	1.5" Cal.	As Shown	B & B		X	High	3-4 Stems
EVERGREEN TREES	11	CT	Chamaecyparis thyoides	Atlantic White Cedar	6' Ht.	As Shown	B & B	X		Medium	Full, Dense
	10	JV	Juniperus virginiana	Eastern Red Cedar	6' Ht.	As Shown	B & B	X		High	Full, Dense
SHRUBS AND GRASSES	20	AGE	Abelia x grandiflora 'Edward Goucher'	Edward Goucher Glossy Abelia	18" Ht.	As Shown	Cont.		X	High	Full, Dense
	88	ANG	Andropogon gerardii Vitman	Big Bluestem	3 Gal.	As Shown	Cont.		X	High	Full, Dense
	26	ICB	Ilex cornuta 'Dwarf Burford'	Dwarf Burford Holly	24" Ht.	As Shown	Cont.		X	High	Full, Dense
	62	NDC	Nandina domestica 'Harbour Dwarf'	Heavenly Bamboo	18" Ht	As Shown	Cont.		X	High	Full, Dense
	64	PLO	Prunus laurocerasus 'Otto Luyken'	Otto Luyken Cherry Laurel	24" Ht.	As Shown	Cont.		X	High	Full, Dense
	45	RPX	Rhododendron periclymenoides	Pinxter Flower	24" Ht.	As Shown	Cont.	X		Medium	Full, Dense
	21	RMP	Rosa meiggili x 'Peach Drift'	Meiggili (PP 18,543) Drift Rose	18" Ht.	As Shown	Cont.		X	Medium	Full, Dense
	48	VID	Viburnum dentatum	Arrowwood Viburnum	24" Ht.	As Shown	Cont.	X		Medium	Full, Dense

BIO-RETENTION PLANT SCHEDULE

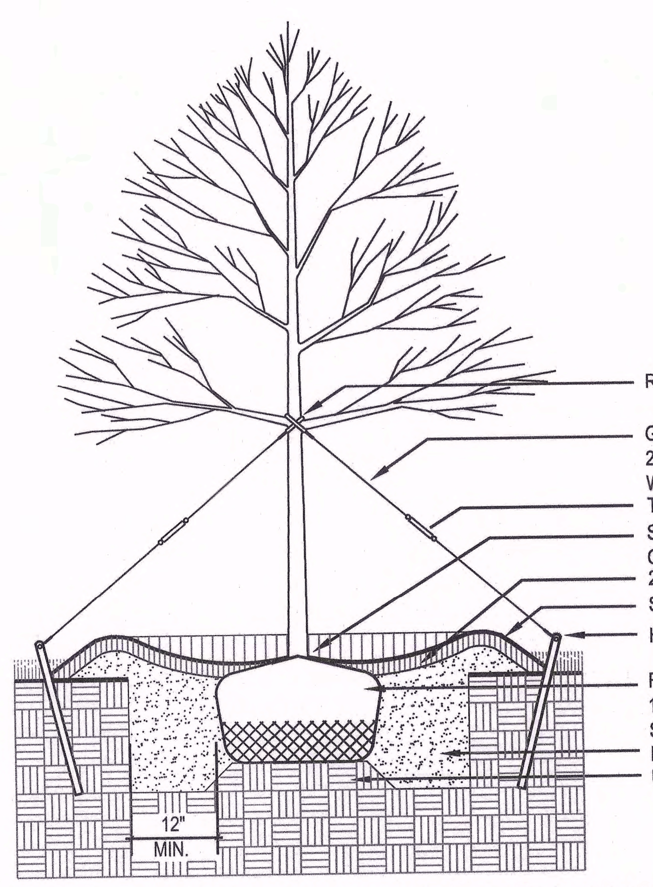
Vegetation Type	Qty.	Key	Botanical Name	Common Name	Size	Spacing	Type	Native*	Adaptive	Drought Tolerance	Remarks
BIO-RETENTION TREES	4	BAR	Acer rubrum 'October Glory'	October Glory Red Maple	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
	10	BAA	Amelanchier arborea	Downy Serviceberry	1.5" Cal.	As Shown	B & B	X		High	Strong central leader
	32	BBN	Betula nigra	River Birch	1.5" Cal.	As Shown	B & B	X		High	Strong central leader
	12	BPO	Platanus occidentalis	Sycamore	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
	2	BQA	Quercus borealis	Red Oak	2.5" Cal.	As Shown	B & B	X		High	Strong central leader
BIO-RETENTION SHRUBS	208	BCOS	Cornus sericea 'Baileyii'	Red Osier Dogwood	24" Ht.	As Shown	Cont.		X	High	Full, Dense
	396	BILG	Ilex glabra	Inkberry	18" Ht.	As Shown	Cont.	X		Medium	Full, Dense
	164	BILV	Ilex verticillata	Winterberry	18" Ht.	As Shown	Cont.	X		Medium	Full, Dense
	205	BRHM	Rhododendron maximum	Rosebay Rhododendron	18" Ht.	As Shown	Cont.	X		Medium	Full, Dense
BIO-RETENTION HERBACEOUS & PERENNIALS	90	BHIM	Hibiscus moscheutos	Swamp Rose Mallow	1 Gal.	As Shown	Cont.	X		Low	Triangular Spacing
	150	BIRV	Iris versicolor	Blue Flag Iris	1 Gal.	As Shown	Cont.	X		Low	Triangular Spacing
	520	BLOC	Lobelia cardinalis	Cardinal Flower	1 Gal.	As Shown	Cont.	X		Low	Triangular Spacing
	491	BPAV	Panicum virgatum	Switchgrass	3 Gal.	As Shown	Cont.	X		High	Triangular Spacing
	100	BPAS	Panicum virgatum 'Shenandoah'	Shenanadoah Switchgrass	3 Gal.	As Shown	Cont.		X	High	Triangular Spacing
	145	BRUL	Rudbeckia hirta	Black-Eyed Susan	1 Gal.	As Shown	Cont.	X		High	Triangular Spacing



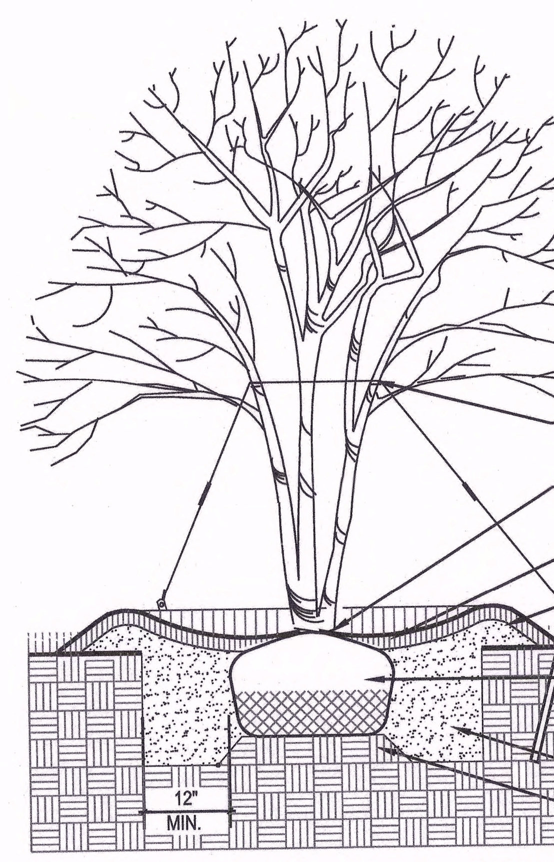
2 EVERGREEN TREE PLANTING
N.T.S.



4 TYP. B&B SHRUB PLANTING
N.T.S.



1 DECIDUOUS TREE PLANTING
N.T.S.



3 ORNAMENTAL TREE PLANTING
N.T.S.

FOR OFFICIAL USE ONLY
QR label certifies that this plan meets conditions of final approval by the Planning Board, its designee or the District Council.
M-NCPPC
APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban
4200-D Technology Court
Chantilly, Virginia 20151
TEL 703.642.2306 FAX 703.378.7888
www.urban-ltd.com

Seal

STATE OF MARYLAND KEVIN J. TANKERSLEY NO. 795 LICENSED LANDSCAPE ARCHITECT
10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020."

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
	ISSUED	06.07.2019
	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

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GREENBELT METRO

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Prince George's County, MD

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PLANT LIST & LANDSCAPE DETAILS

Scale: AS NOTED

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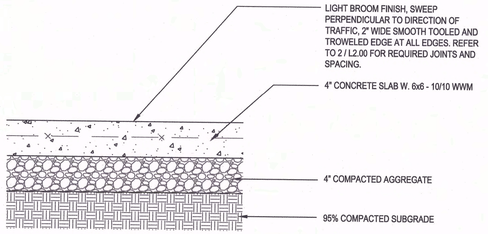
DSP-18

GREENBELT METRO

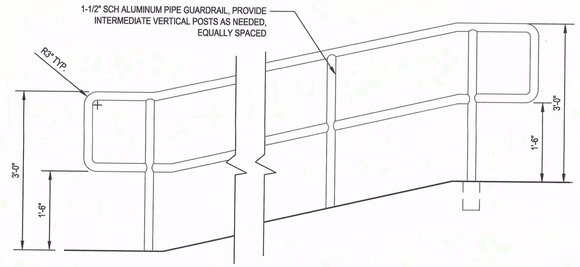
Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L2.00-18078-Details.dwg [DSP-18 PLANT LIST & LANDSCAPE DETAILS] October 07, 2019 – 4:47pm pmathur



1 CONCRETE: PEDESTRIAN

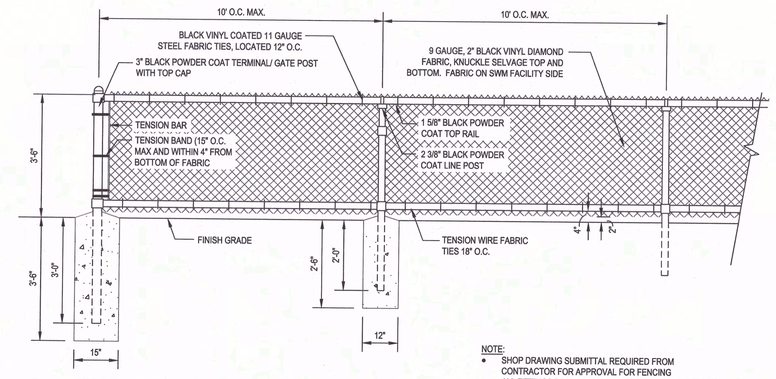
Scale: 1 1/2"=1'-0"

NOTES:
1. CONTRACTOR SHALL VERIFY EXACT SIZE AND RADII (IF REQUIRED) PRIOR TO FABRICATION.



4 GUARDRAIL

SCALE : 3/4"=1'-0"

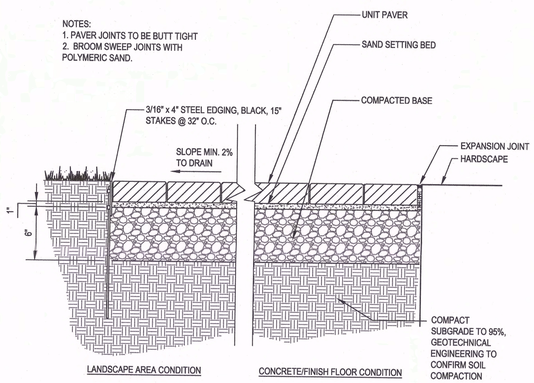


NOTE:
- SHOP DRAWING SUBMITTAL REQUIRED FROM CONTRACTOR FOR APPROVAL FOR FENCING
- ALL FITTINGS REQUIRED TO BE POWDER COATED BLACK

7 SWM FENCE

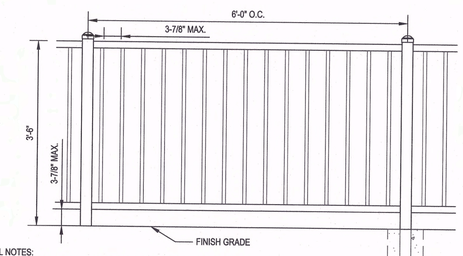
Scale: 1/2"=1'-0"

NOTES:
1. PAVER JOINTS TO BE BUTT TIGHT
2. BROOM SWEEP JOINTS WITH POLYMERIC SAND.



2 UNIT PAVERS

Scale: 1 1/2"=1'-0"

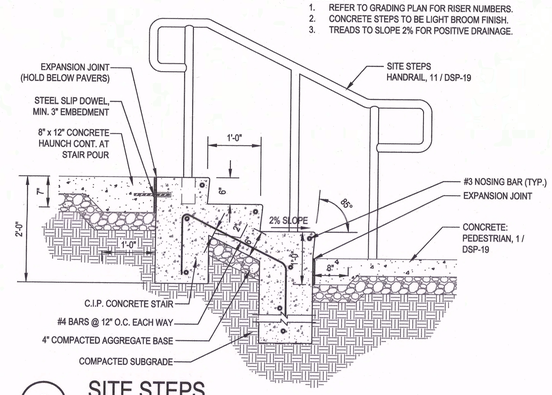


GUARDRAIL NOTES:
1. SPACE POSTS UNIFORMLY UNLESS OTHERWISE SPECIFIED ON PLANS.
2. CONTRACTOR TO CHECK EACH POST AND RAILING PANEL FOR VERTICAL ADA TOP ALIGNMENT AND MAINTAIN POSITION DURING PLACEMENT AND FINISHING OPERATIONS.
3. MATERIALS:
   - 3.1. VERTICAL POSTS: 2½" x 2½" TO BE DESIGNED BY GUARD RAIL MANUFACTURER, GALVANIZED STEEL
   - 3.2. POST CAP: FORMED STEEL, WEATHER TIGHT CLOSURE CAP
   - 3.3. HORIZONTAL RAILS: 1½" x 1½" TO BE DESIGNED BY GUARD RAIL MANUFACTURER, GALVANIZED STEEL "U" CHANNEL
   - 3.4. PICKETS: ⅜" SQUARE GALVANIZED STEEL
   - 3.5. FINISH: PRIME COAT AND EXTERIOR LATEX PAINT ON ALL POSTS, RAILS, PICKETS, FITTINGS AND ACCESSORIES
   - 3.6. COLOR: TO MATCH POOL FENCE, CONTRACTOR TO SUBMIT COLOR SAMPLE FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION.

5 SITE RAIL

Scale: 3/4" = 1'-0"

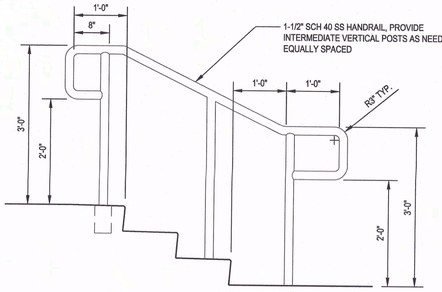
NOTES:
1. REFER TO GRADING PLAN FOR RISER NUMBERS.
2. CONCRETE STEPS TO BE LIGHT BROOM FINISH.
3. TREADS TO SLOPE 2% FOR POSITIVE DRAINAGE.



8 SITE STEPS

Scale: 3/4"=1'-0"

NOTES:
1. MINIMUM CLEAR SPACE BETWEEN HANDRAIL AND ANY ADJACENT WALL SHALL BE 2-1/4".
2. CONTRACTOR SHALL VERIFY EXACT SIZE AND RADII (IF REQUIRED) PRIOR TO FABRICATION.
3. AT THE BOTTOM OF CURVED HANDRAILS, THE HANDRAIL SHALL EXTEND PERPENDICULARLY 1'-0" PAST THE BOTTOM TREAD
4. AT THE TOP OF CURVED HANDRAILS, THE HANDRAIL SHALL EXTEND PERPENDICULARLY 1'-0" PAST THE LAST RISER

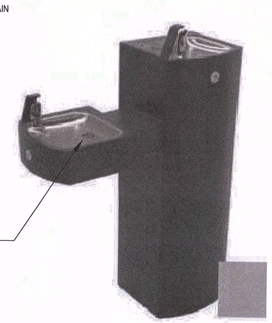


11 SITE STEPS HANDRAIL

Scale: 3/4"=1'-0"

MURDOCK BARRIER-FREE, BI-LEVEL PEDESTAL FOUNTAIN
GS SERIES
MODEL #: GSM54
FEATURES: STAINLESS-STEEL APRON
FINISH: SATIN STAINLESS FINISH

SUPPLIER:
MURDOCK SUPER-SECUR
15125 PROCTOR AVENUE
CITY OF INDUSTRY, CA 91746
TEL: 800.591.9880
www.murdockmfg.com

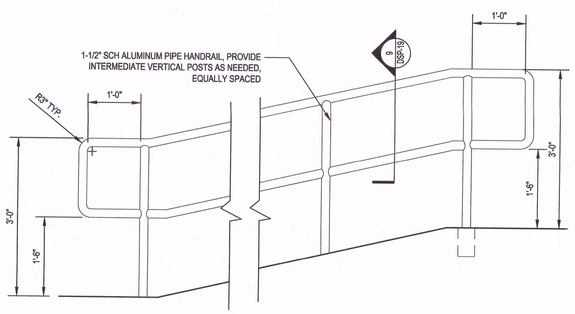


CONTRACTOR TO ENSURE > 27" HEIGHT IS PROVIDED FOR COMPLIANCE WITH ACCESSIBILITY FOR USE OF FOUNTAIN AND < 27" TO ELIMINATE HAZARD AS A PROTRUDING OBJECT.

3 DRINKING WATER FOUNTAIN

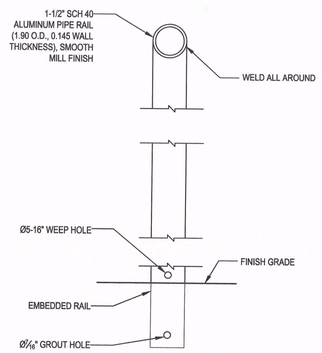
Scale: 3/4"=1'-0"

NOTES:
1. MINIMUM CLEAR SPACE BETWEEN HANDRAIL AND ANY ADJACENT WALL SHALL BE 2-1/4".
2. CONTRACTOR SHALL VERIFY EXACT SIZE AND RADII (IF REQUIRED) PRIOR TO FABRICATION.



6 RAMP HANDRAIL

SCALE : 3/4"=1'-0"



9 RAMP HANDRAIL: SECTION

Scale: 3"=1'-0"

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M-NCPPC
APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban
4200-D Technology Court
Chantilly, Virginia 20151
TEL 703.642.2306 FAX 703.378.7888
www.urban-ltd.com

Seal

STATE OF MARYLAND — KEVIN J. TANKARD — LICENSED LANDSCAPE ARCHITECT — NO. 795

10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020.

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
	ISSUED	06.07.2019
	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title
HARDSCAPE DETAILS

Scale: AS NOTED

Drawing Number
DSP-19

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L2.00-18078-Details.dwg [DSP-19 HARDSCAPE DETAILS] October 07, 2019 – 4:47pm pmathur

SUPPLIER:
MURDOCK MANUFACTURING
15125 PROCTOR AVENUE
CITY OF INDUSTRY, CA 91746
TEL: 800.591.9880
www.murdockmfg.com

MURDOCK PET FOUNTAIN WITH HOSE BIBB
MODEL # : M-PM14
MATERIAL: STAINLESS STEEL
FINISH: SATIN STAINLESS

1 DOG WATER DISPENSER
N.T.S

SUPPLIER:
TERRA BOUND SOLUTIONS
20020 HICKORY TWIG WAY
SPRING, TEXAS 77388
TEL: 877.857.2915
www.terraboundsolutions.com

MODEL: THE SENTRY DOG WASTE STATION W/ ONEPul BAGS

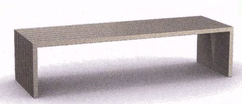
COLOR: BLACK

INSTALL SUPPORT POST W/ 6" DIA. CONCRETE FOOTER, BAG DISPENSER TO BE 18"-45" ABOVE FINISH GRADE

NOTE: LOCATE DOG WASTE DISPOSAL ADJACENT TO AN ACCESSIBLE ROUTE

TO BE SUPPLIED AND INSTALLED BY CONTRACTOR

2 DOG WASTE DISPOSAL
N.T.S

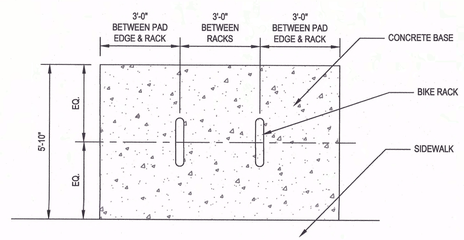


3 SITE BENCH
N.T.S.

COMPANY:
VICTOR STANLEY
P.O. DRAWER 330
DUNKIRK, MD 20754
PH:301.855.8300
WWW.VICTORSTANLEY.COM

PRODUCT:
BRWS-101
COLOR:
STAINLESS
MOUNT TYPE:
SURFACE

4 BIKE RACK
N.T.S



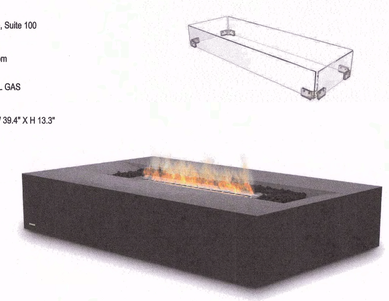
5 BIKE RACK LAYOUT PLAN
Scale: 3/8"= 1' - 0"

SUPPLIER:
BROWN JORDAN FIRES

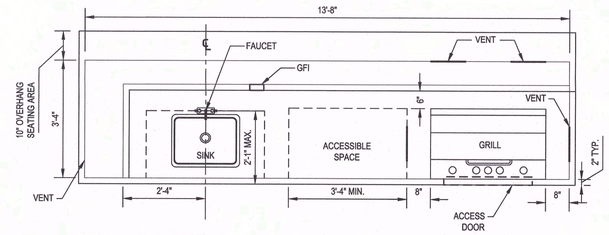
DISTRIBUTOR:
ECOSMART, INC.
5875 Green Valley Circle, Suite 100
Los Angeles, CA 90230
TEL: 888.488.4447
www.brownjordanfires.com

FLO FIRE PIT, NATURAL GAS
MODEL #: FLO
COLOR: GRAPHITE
DIMENSIONS: L 65" X W 39.4" X H 13.3"

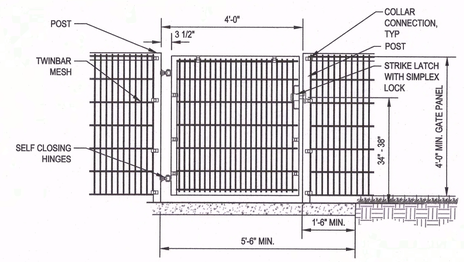
WIND FIRE SCREEN
MODEL #: L1115



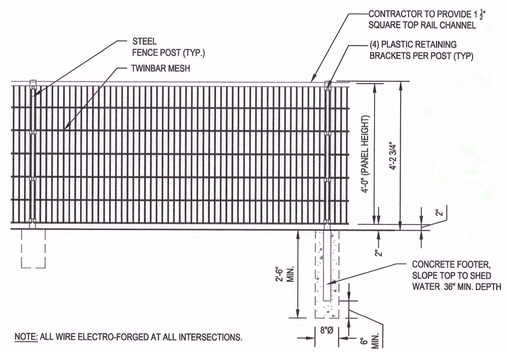
6 FIRE PIT
Scale: N.T.S.



7 GRILL ISLAND A
Scale: 1/2"=1'-0"



8 DOG PARK GATE
Scale: 1/2"=1'-0"



NOTE: ALL WIRE ELECTRO-FORGED AT ALL INTERSECTIONS.

9 DOG PARK FENCE
Scale: 1/2" = 1'-0"

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M-NCPPC
APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban
4200-D Technology Court
Chantilly, Virginia 20151
TEL 703.642.2306 FAX 703.378.7888
www.urban-ltd.com

Seal
STATE OF MARYLAND
KEVIN J. TARKINGTON
No. 795
REGISTERED
LANDSCAPE ARCHITECT
10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020.*

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
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	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL
Project No. 18-078
Date OCTOBER 09 2019

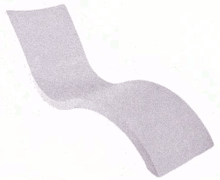
Drawing Title
HARDSCAPE DETAILS

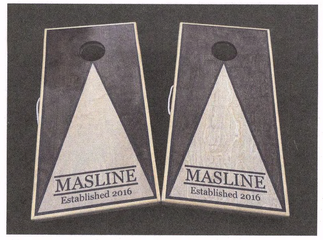
Scale: AS NOTED

Drawing Number
DSP-20

GREENBELT METRO

Urban, Ltd. - J:\JOBS\NRP Greenbelt Metro\SDRC\2.00-18078-Details.dwg [DSP-20 HARDSCAPE DETAILS] October 07, 2019 - 4:47pm pmathur





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M-NCPPC
APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
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Seal

STATE OF MARYLAND
STEVEN J. TANKERSLEY
NO. 795
LICENSED
LANDSCAPE ARCHITECT
10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020.*

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	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title
CLUBHOUSE FURNITURE

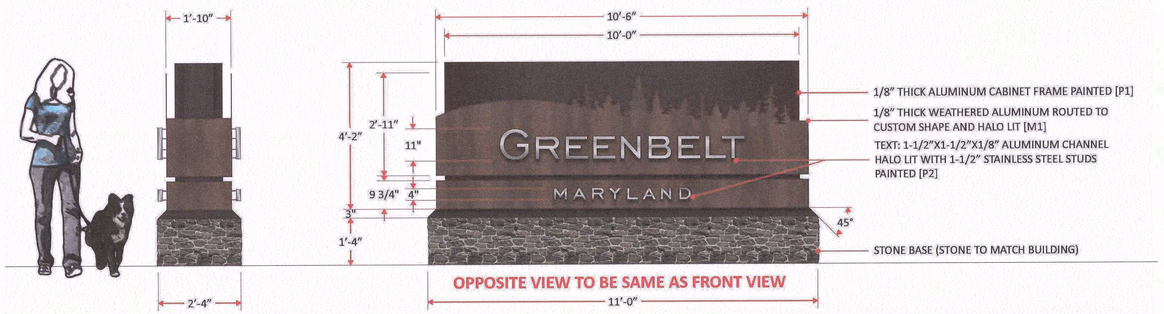
Scale: AS NOTED

Drawing Number
DSP-21

GREENBELT METRO

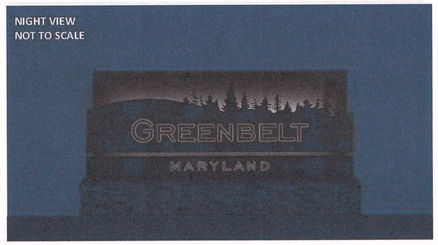
Urban, Ltd. - J:\JOBS\NRP Greenbelt Metro\SDRC\L2.00-18078-Details.dwg [DSP-21 CLUBHOUSE FURNITURE] October 07, 2019 - 4:47pm pmathur

QTY. 2 DOUBLE FACE

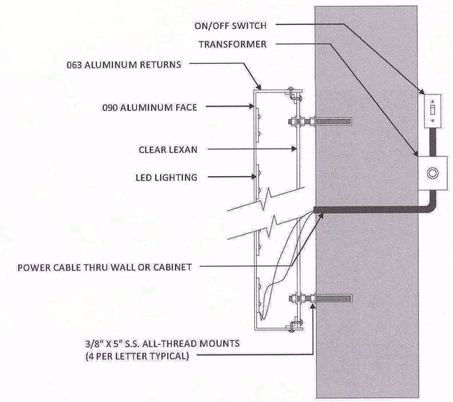


END VIEW
SCALE: 1/2"=1'-0"

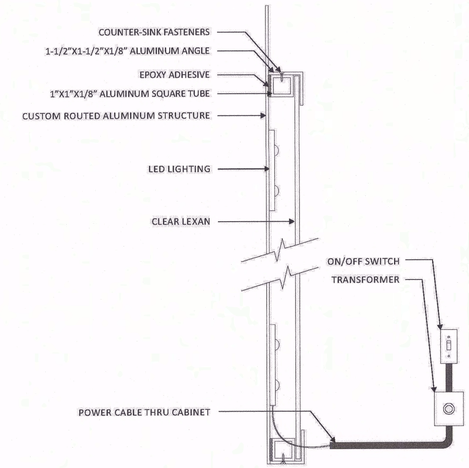
FRONT VIEW
SCALE: 1/2"=1'-0"



FABRICATION DETAIL

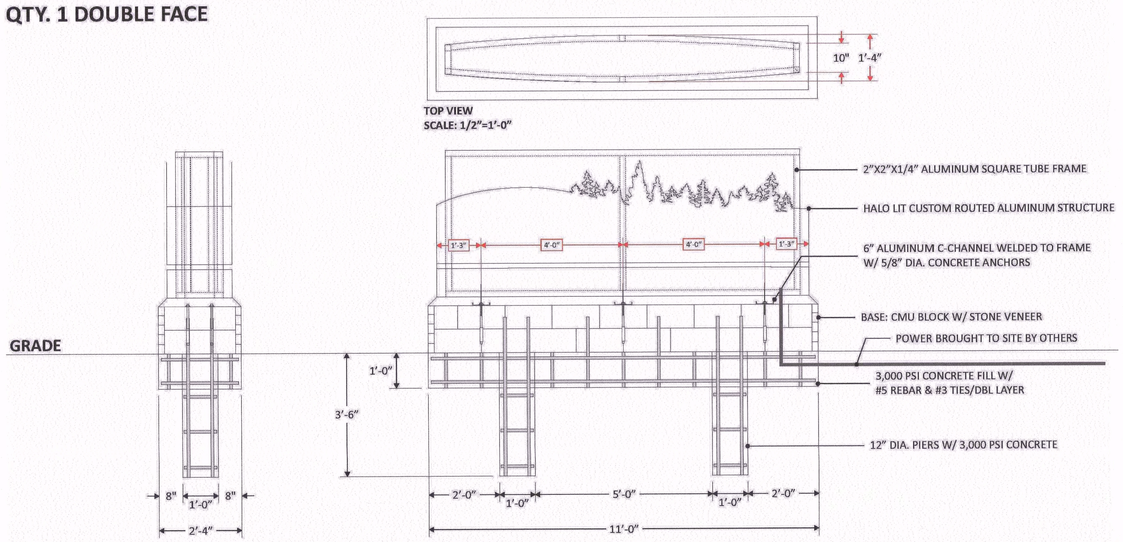


HALO LIT CHANNEL LETTER
NOT TO SCALE



HALO LIT CUSTOM ROUTED STRUCTURE
NOT TO SCALE

QTY. 1 DOUBLE FACE



TOP VIEW
SCALE: 1/2"=1'-0"

END VIEW
SCALE: 1/2"=1'-0"

FRONT VIEW
SCALE: 1/2"=1'-0"

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M-NCPPC
APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
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urban
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Chantilly, Virginia 20151
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Seal

STATE OF MARYLAND
JOHN J. TANKARD
NO. 795
LICENSED
LANDSCAPE ARCHITECT

10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020.

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

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	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title
ENTRANCE MONUMENT DETAILS

Scale: AS NOTED

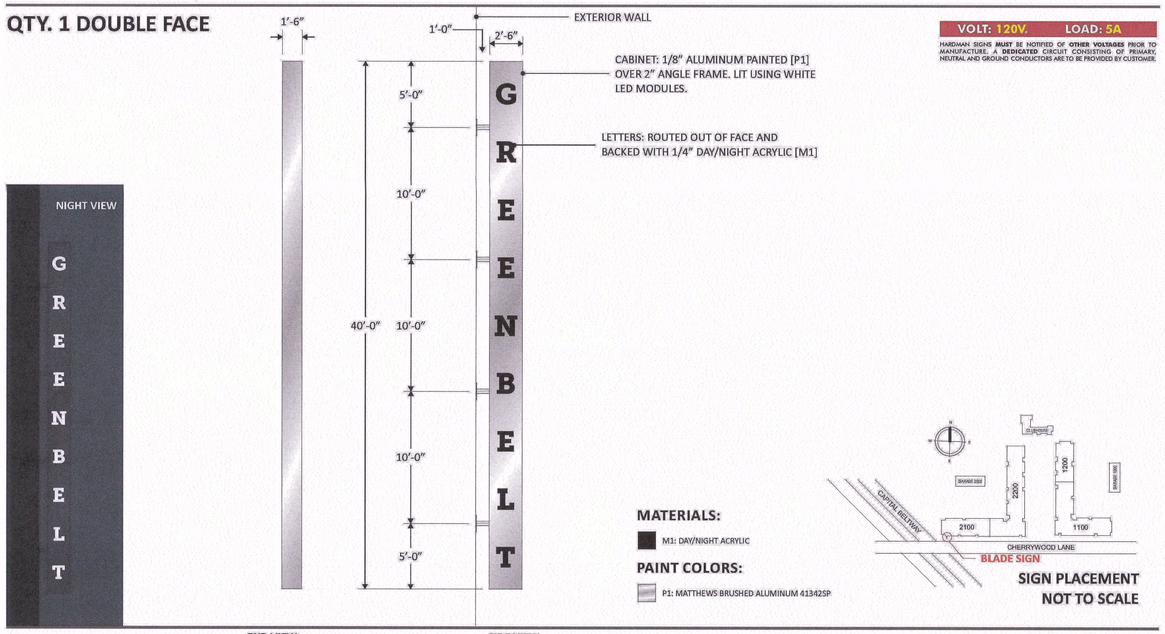
Drawing Number
DSP-22

GREENBELT METRO

Urban, Ltd. - J:\JOBS\NRP Greenbelt Metro\SDRC\L2.00-18078-Details.dwg [DSP-22 ENTRANCE MONUMENT DETAILS] October 07, 2019 - 4:47pm pmathur

SIGN TYPE: MNID | MAIN IDENTITY

QTY. 1 DOUBLE FACE



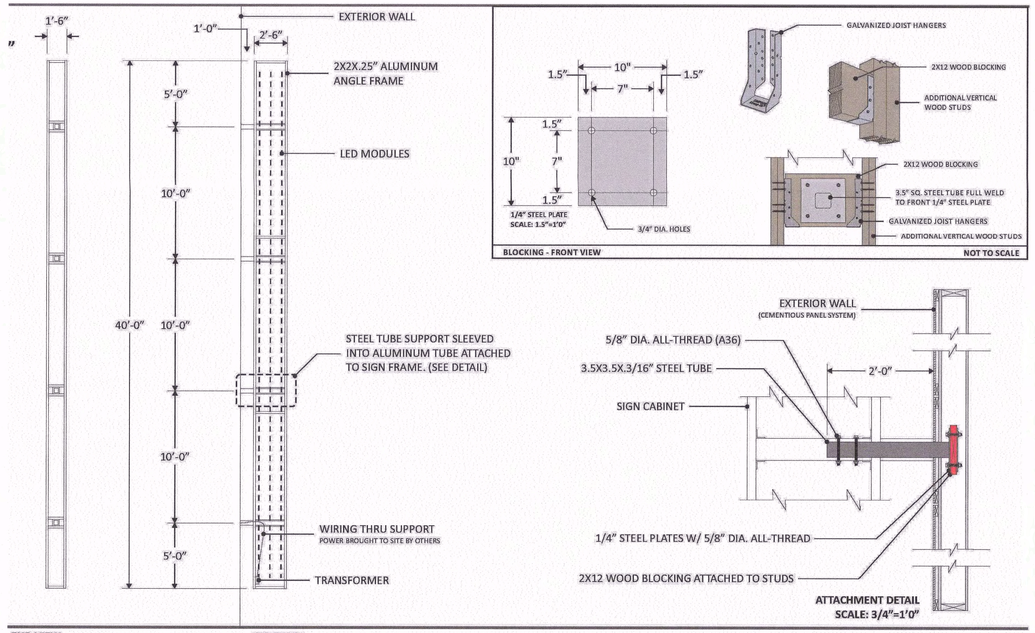
VOLT: 120V. LOAD: 5A

HARDWIRE SIGNS **MUST** BE NOTIFIED OF **OTHER VOLTAGES** PRIOR TO MANUFACTURE. A **DEDICATED** CIRCUIT CONSISTING OF PRIMARY, NEUTRAL AND GROUND CONDUCTORS ARE TO BE PROVIDED BY CUSTOMER.

END VIEW
SCALE: 3/16"=1'0"

SIDE VIEW
SCALE: 3/16"=1'0"

PROJECT FILENAME: GREENBELT 2191390



END VIEW
SCALE: 3/16"=1'0"

SIDE VIEW
SCALE: 3/16"=1'0"

PROJECT FILENAME: GREENBELT 2191390

ELEVATIONS

SCALE: 1/8"=1'0"

WEST ELEVATION

SOUTH ELEVATION

PROJECT FILENAME: GREENBELT 2191390

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M-NCPPC
APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
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Seal

STATE OF MARYLAND
KEVIN J. TANNER
No. 795
LICENSED
LANDSCAPE ARCHITECT
10/7/2019

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the NRP group
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216.584.0602

Revision / Issue

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	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

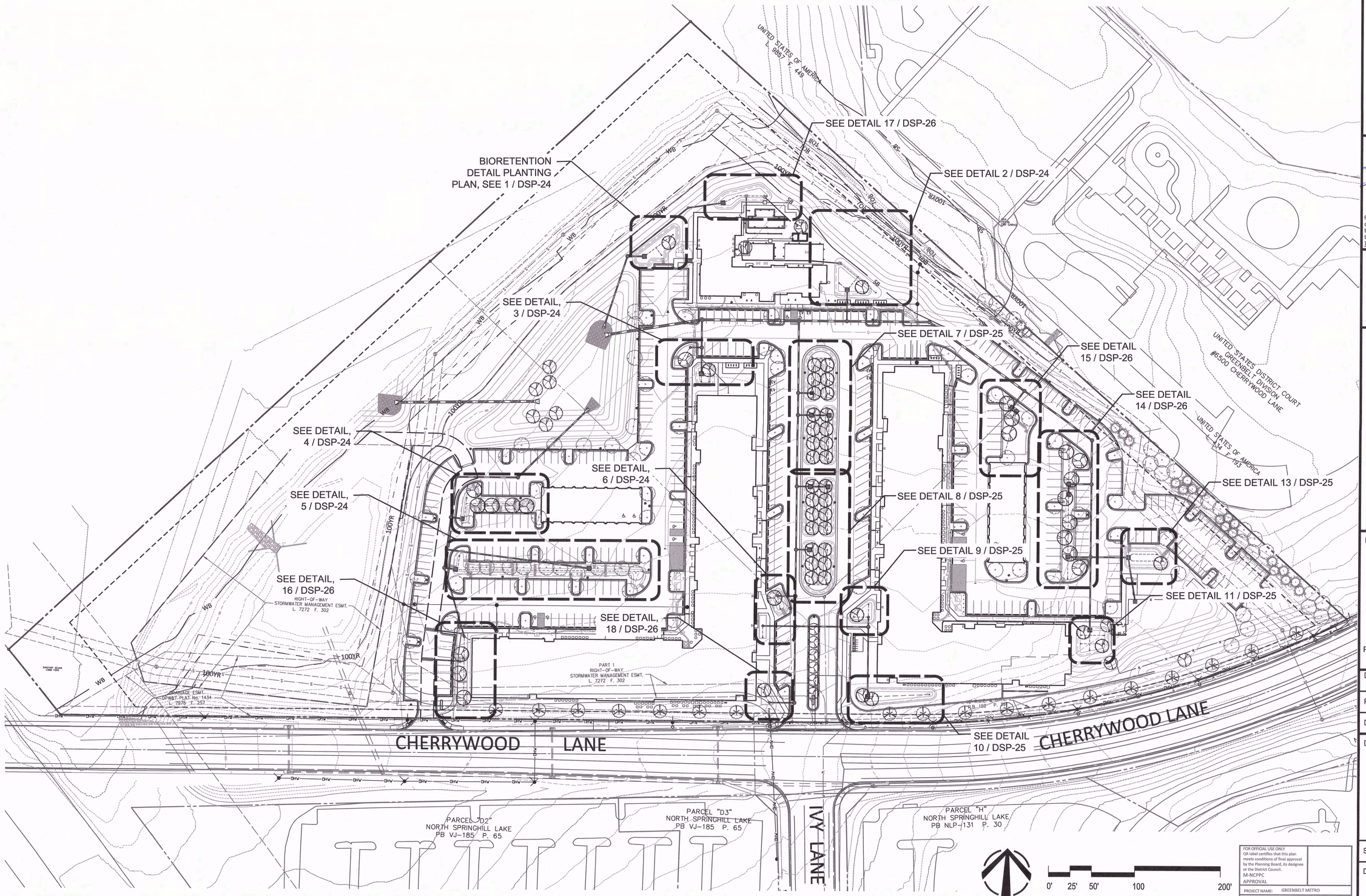
Drawing Title
BUILDING BLADE SIGN DETAILS

Scale: AS NOTED

Drawing Number
DSP-22.1

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L2.00-18078-Details.dwg [DSP-22.1 BUILDING BLADE SIGN DETAILS] October 07, 2019 – 4:47pm pmathur



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M-NCPPC APPROVAL
PROJECT NAME: GREENBELT METRO
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STATE OF MARYLAND
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Project Name

GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title

OVERALL SWM LANDSCAPE PLAN

Scale: 1" = 50'-0"

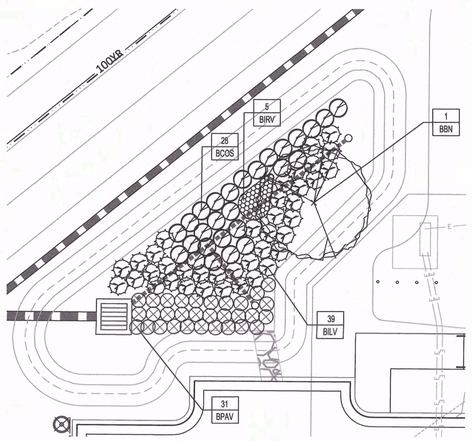
Drawing Number

DSP-23

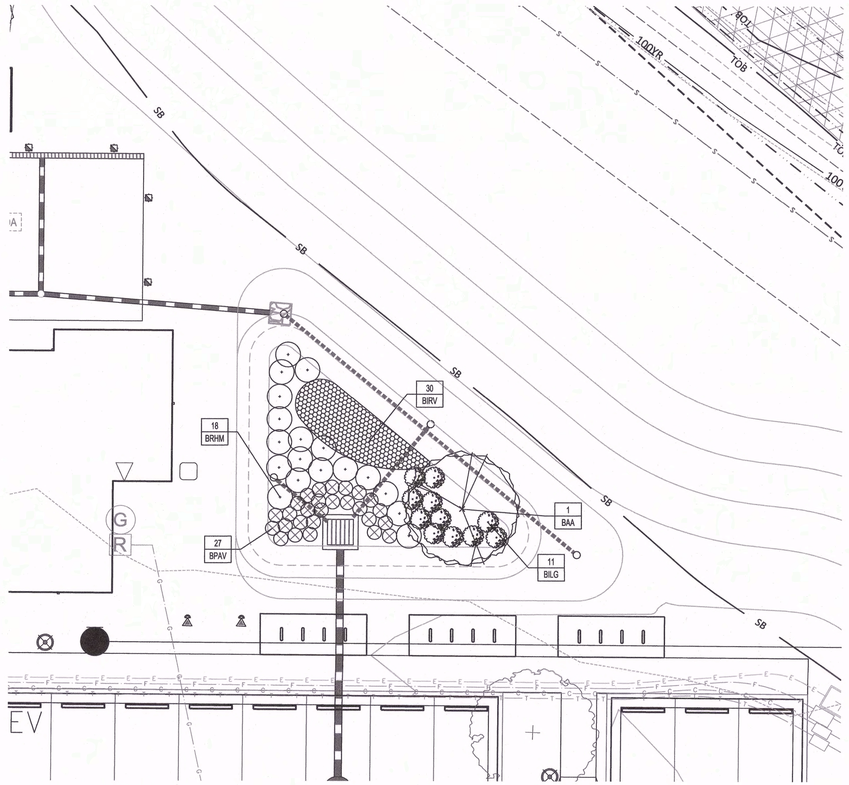
GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L3.00-18078-Bioretention.dwg [DSP-23 OVERALL SWM LANDSCAPE PLAN] October 07, 2019 – 4:47pm pmathur

NOTE: SEE SHEET DSP-18 FOR PLANT SCHEDULE, PLANTING NOTES AND DETAILS



1 MBF15
SCALE: 1" = 10'-0"



2 MBF16
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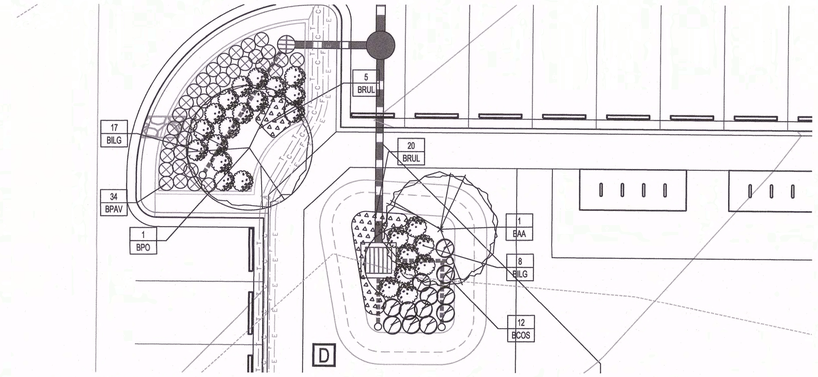
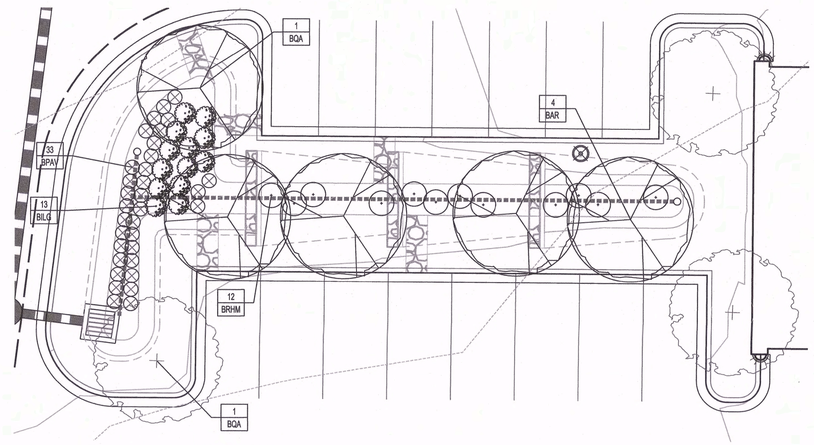
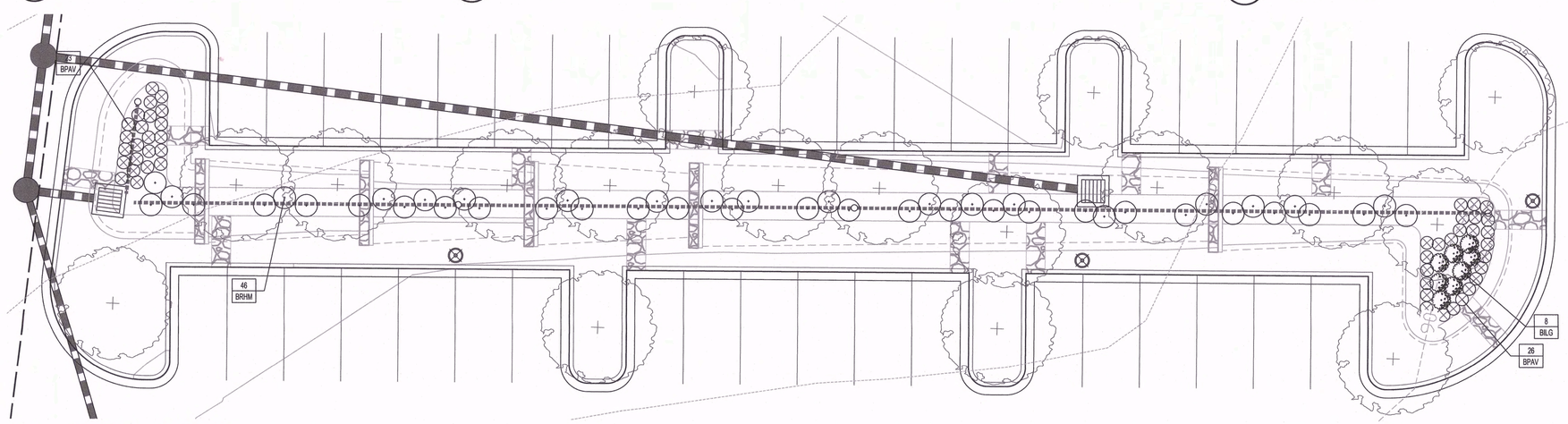


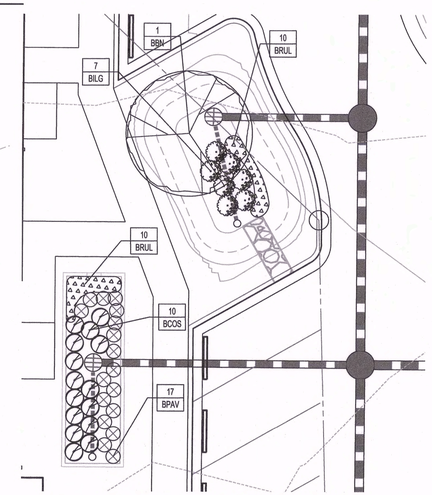
3 MBF13 & MBF14
SCALE: 1" = 10'-0"



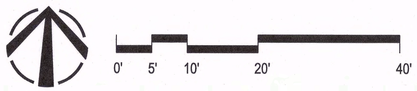
4 MBF27 - MBF30
SCALE: 1" = 10'-0"



5 MBF21 - MBF26
SCALE: 1" = 10'-0"



6 MBF6 & MBF18
SCALE: 1" = 10'-0"



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M-NCPPC
APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00

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Seal

STATE OF MARYLAND
KEVIN J. TANKERSLEY
LANDSCAPE ARCHITECT
10/7/2019

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Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

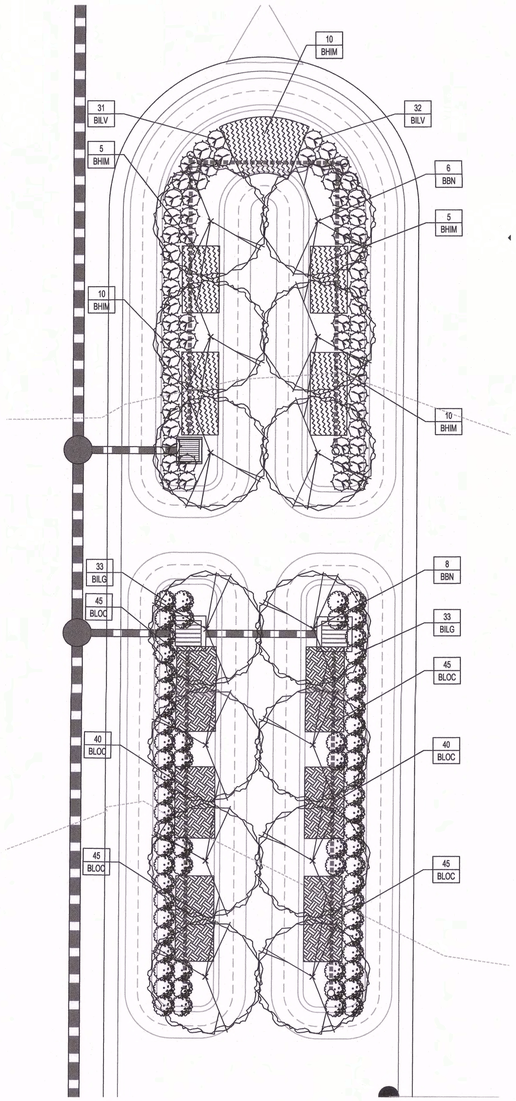
Drawing Title
SWM LANDSCAPE PLANS

Scale: 1" = 10'-0"

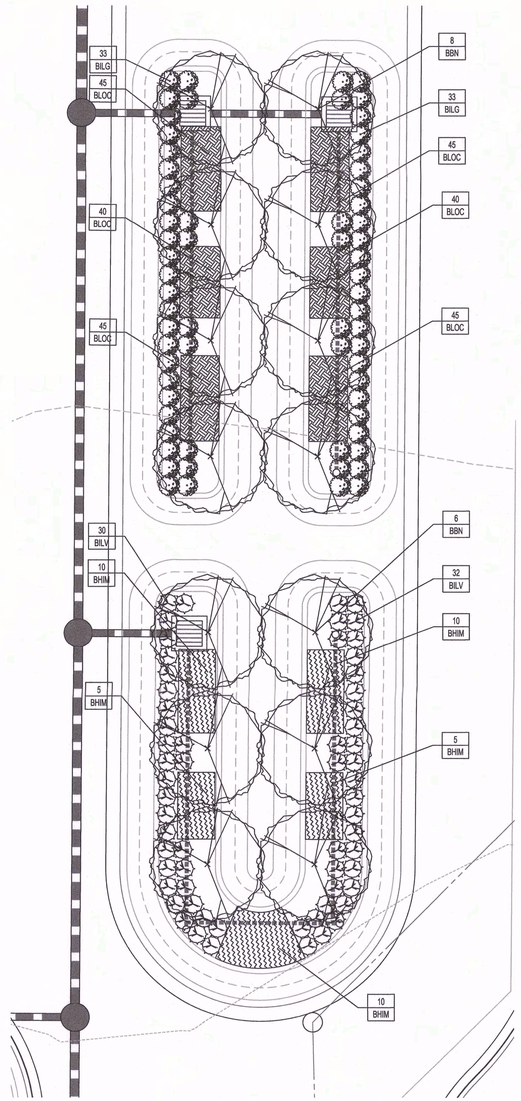
Drawing Number
DSP-24

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L3.00-18078-Bioretention.dwg [DSP-24 SWM LANDSCAPE PLANS] October 07, 2019 – 4:48pm pmathur



7 MBF10 - MBF12
SCALE: 1" = 10'-0"



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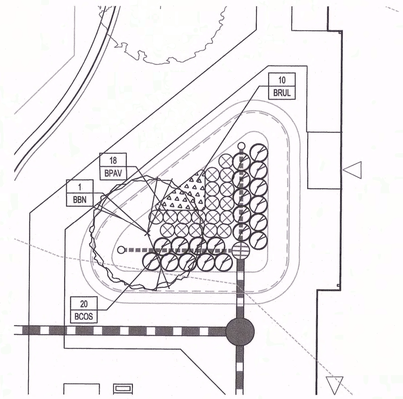

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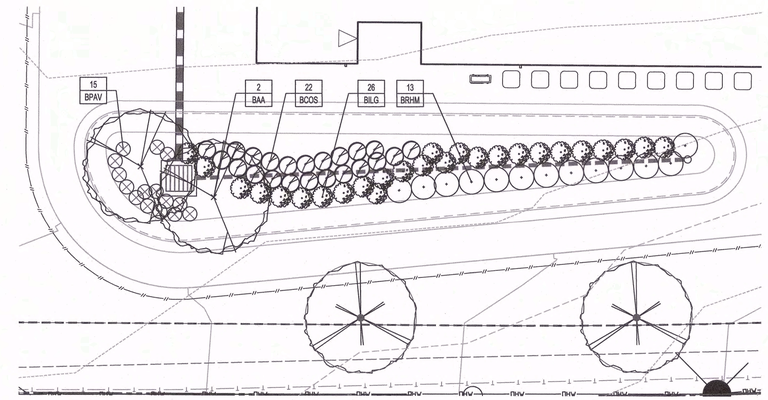

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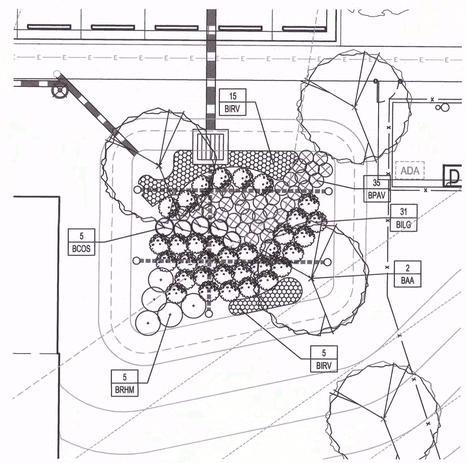
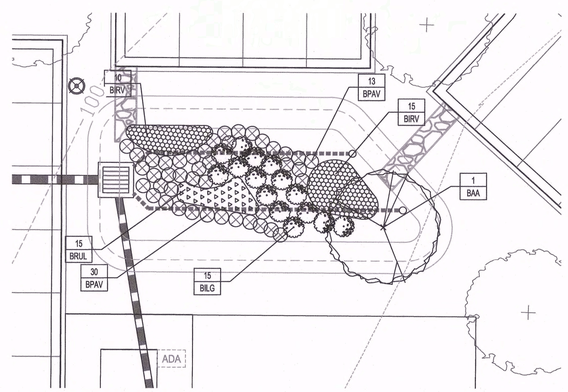
SCALE: 1" = 10'-0"



11 MBF5
SCALE: 1" = 10'-0"



13 MBF19
SCALE: 1" = 10'-0"

NOTE: SEE SHEET DSP-18 FOR PLANT SCHEDULE, PLANTING NOTES AND DETAILS

0' 5' 10' 20' 40'

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QR label certifies that this plan meets conditions of final approval by the Planning Board, its designee or the District Council.
M-NCPPC
APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban

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Chantilly, Virginia 20151
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www.urban-ltd.com

Seal

STATE OF MARYLAND
JOHN J. TANKERS
No. 795
LICENSED
LANDSCAPE ARCHITECT
10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020."

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
	ISSUED	06.07.2019
	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

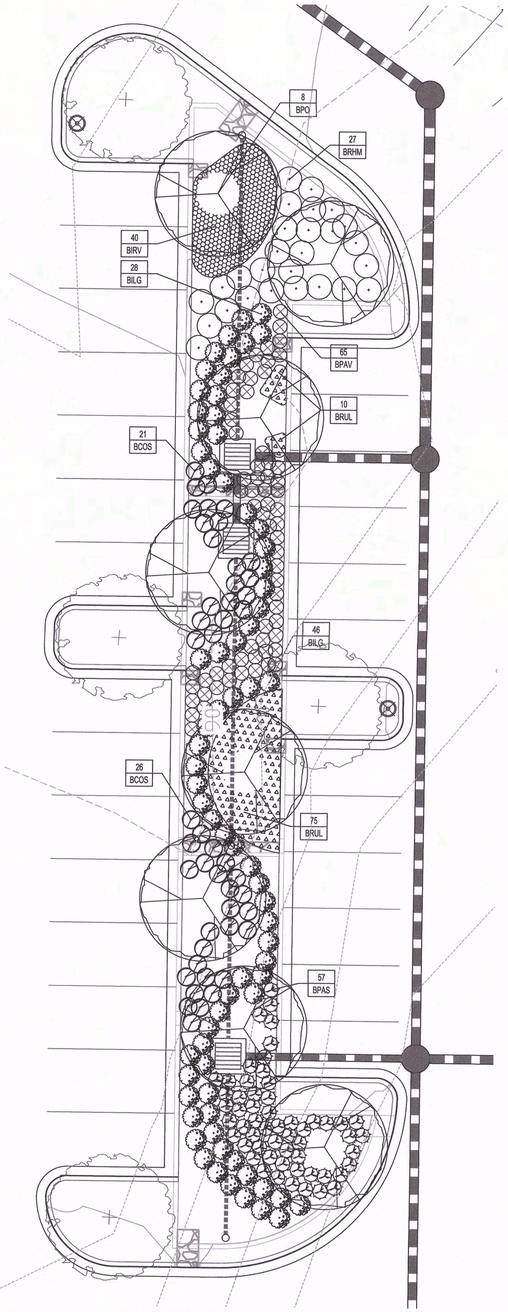
Drawing Title
SWM LANDSCAPE PLANS

Scale: 1" = 10'-0"

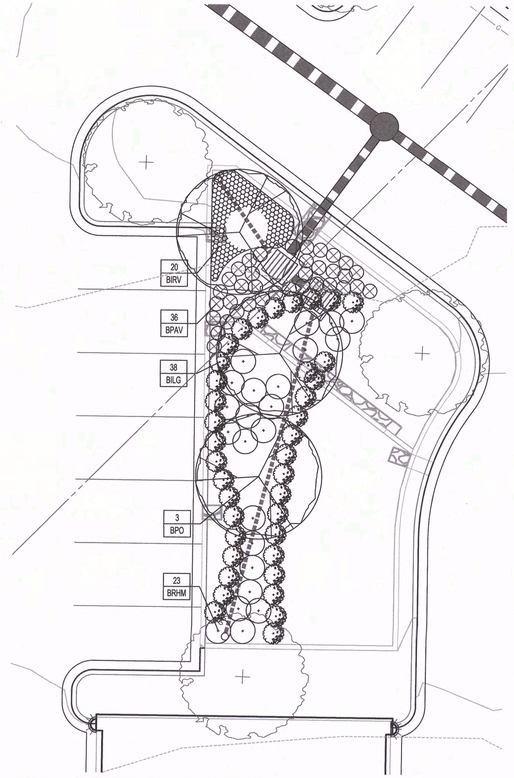
Drawing Number
DSP-25

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L3.00-18078-Bioretention.dwg [DSP-25 SWM LANDSCAPE PLANS] October 07, 2019 – 4:49pm pmathur



14 MBF33 - MBF35
SCALE: 1" = 10'-0"



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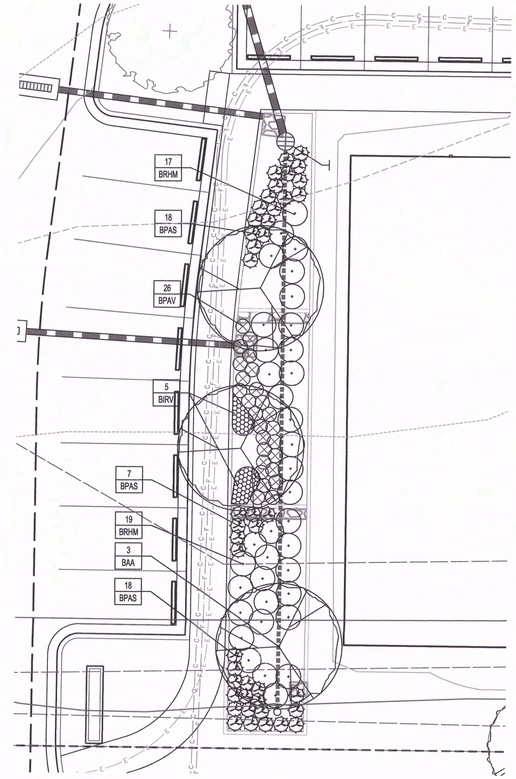
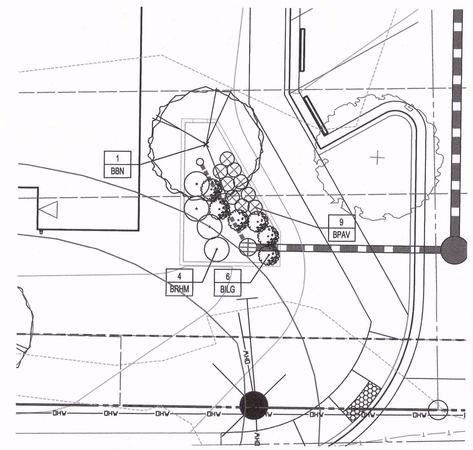
SCALE: 1" = 10'-0"

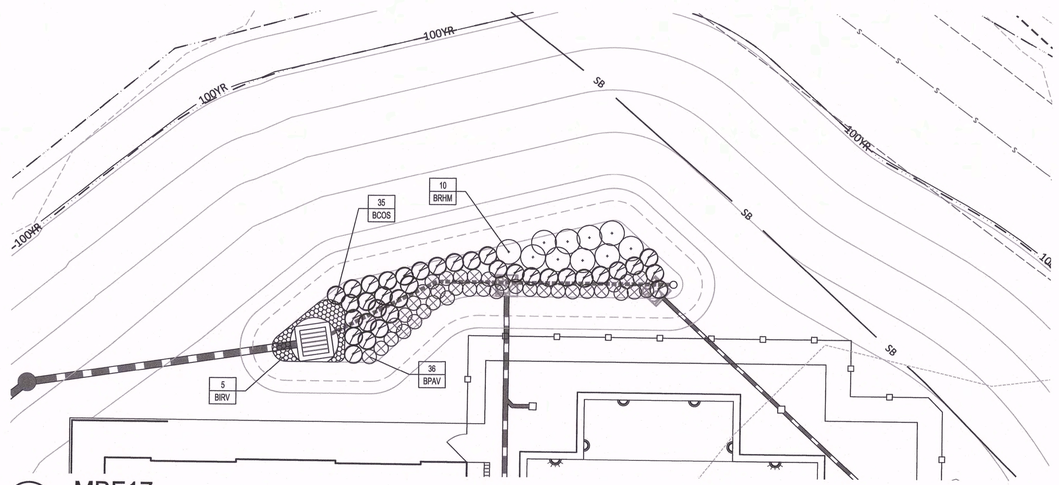


16 MBF1
SCALE: 1" = 10'-0"

NOTE: SEE SHEET DSP-18 FOR PLANT SCHEDULE, PLANTING NOTES AND DETAILS



18 MBF2
SCALE: 1" = 10'-0"



17 MBF17
SCALE: 1" = 10'-0"

0' 5' 10' 20' 40'

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M-NCPPC APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban

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Chantilly, Virginia 20151
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Seal

STATE OF MARYLAND
KEVIN J. TANKERSLEY
NO. 795
LICENSED
LANDSCAPE ARCHITECT

10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020.*

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
	ISSUED	06.07.2019
	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By KAT / PM
Checked By JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title
SWM LANDSCAPE PLANS

Scale: 1" = 10'-0"

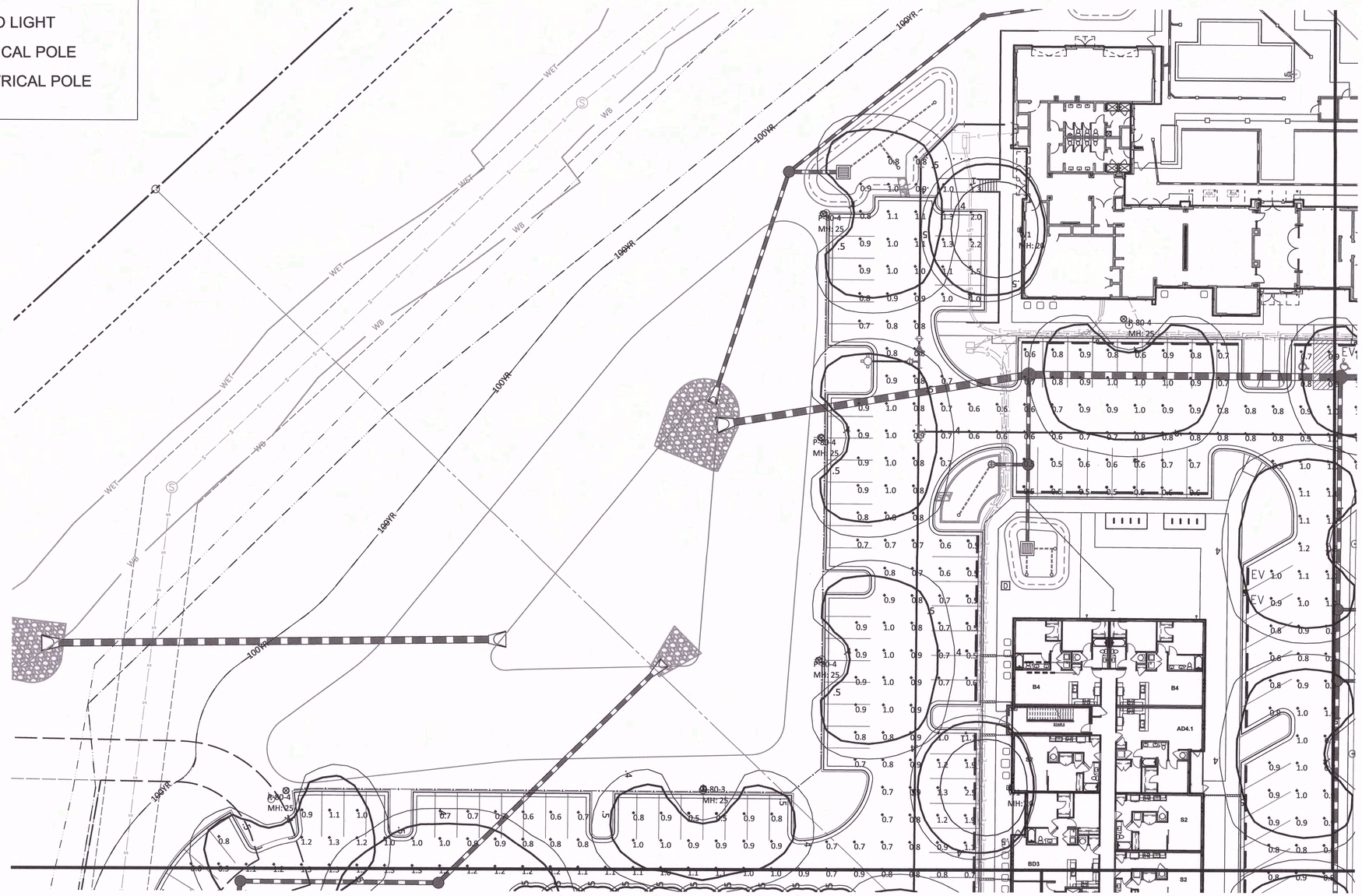
Drawing Number
DSP-26

GREENBELT METRO

Urban, Ltd. - J:\JOBS\NRP Greenbelt Metro\SDRC\L3.00-18078-Bioretention.dwg [DSP-26 SWM LANDSCAPE PLANS] October 07, 2019 - 4:49pm pmathur

LIGHTING LEGEND (OFF-SITE)

- EXISTING ELECTRICAL POLE W/O LIGHT
- EXISTING LIGHT ON EX. ELECTRICAL POLE
- PROPOSED LIGHT ON EX. ELECTRICAL POLE



MATCHLINE - SHEET DSP-29

MATCHLINE - SHEET DSP-28

MATCHLINE - SHEET DSP-29.1

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename	Type
⊗	1	P-80-3	SINGLE	6988	0.900	LCLS-APA-CP-III-80LED-NW	LCLS-APA-3-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	27	P-80-4	SINGLE	6938	0.900	LCLS-APA-CP-IV-80LED-NW	LCLS-APA-4-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	8	P-80-5-2	BACK-BACK	7541	0.900	2@180-LCLS-APA-CP-V-80LED-NW	LCLS-APA-5-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
	40	W ALT	SINGLE	1034	0.900	700OWCOS12WC830UNV	102171228CHI-035 GB 700OWCOS12WC830UNV.ies	Wall Mounted Light: W Alt, Detail 3/DSP-29.3
	10	W1	SINGLE	3468	0.900	WPLED26N-WPLED26N_D10	WPLED26N.ies	Wall Mounted Light, Detail 2/DSP-29.3

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PARKING & CIRCULATION	Illuminance	Fc	0.95	2.8	0.5	1.90	5.60	readings taken at grade

NOTES:
- TARGETING MINIMUM OF 0.5FC
- MAIN BUILDINGS BUILT AS 30' TALL BLOCKING OBJECTS (ASSUMED)
- ALL STORAGE/GARAGE UNITS BUILT AS 18' TALL (ASSUMED)

0' 10' 20' 40' 80'

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M-NCPPC
APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban
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www.urban-ltd.com

Seal

STATE OF MARYLAND
JOHN J. TANKERSLEY
NO. 795
LANDSCAPE ARCHITECT

09/20/19

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020."

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
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	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By KAT / PM
Checked By JL

Project No. 18-078

Date OCTOBER 09 2019

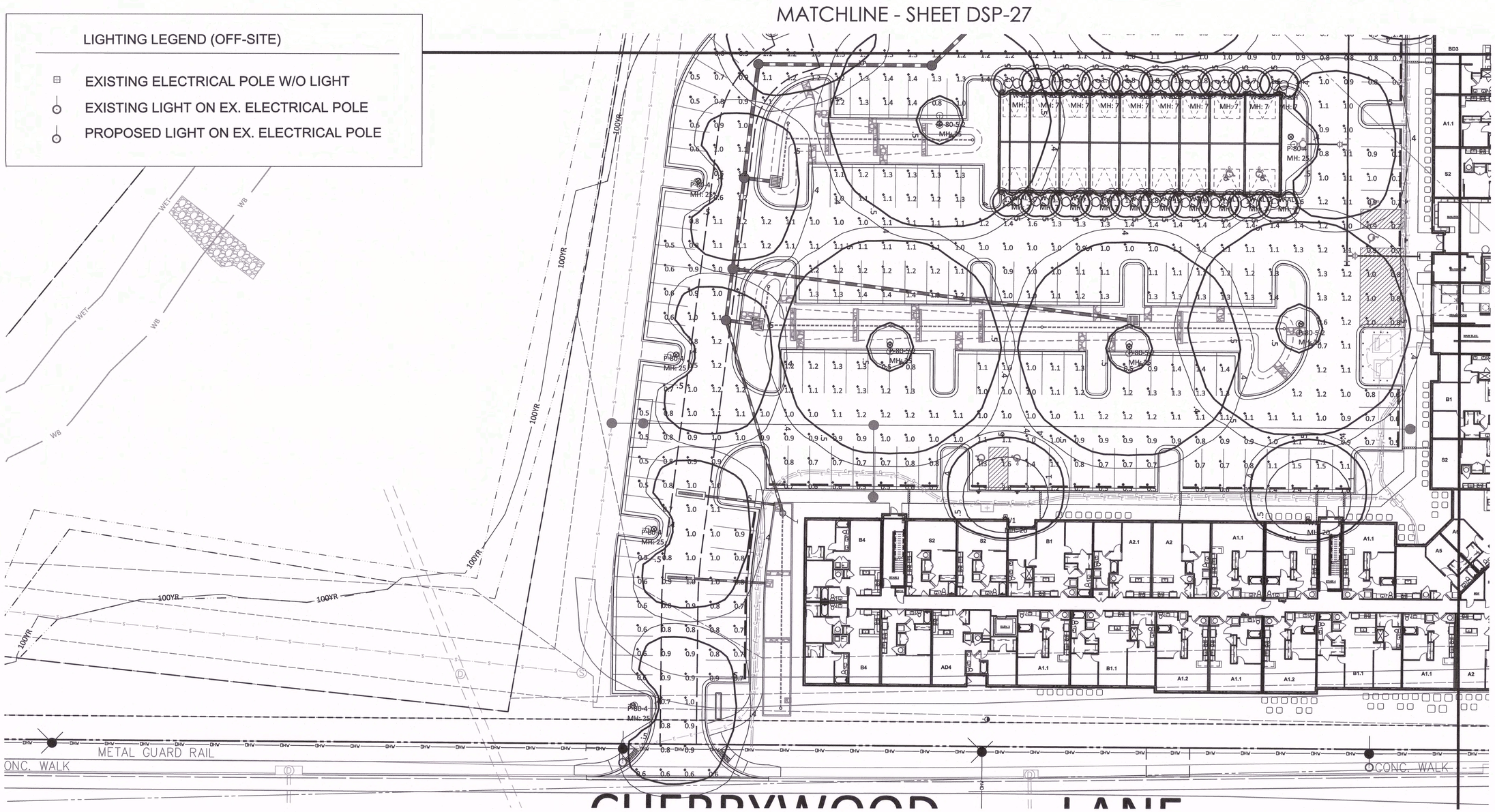
Drawing Title
LIGHTING PLAN

Scale: 1" = 20'-0"

Drawing Number
DSP-27

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L4.00-18078-Lighting.dwg [DSP-27 LIGHTING PLAN] October 07, 2019 – 4:50pm pmathur



Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename	Type
⊗	1	P-80-3	SINGLE	6988	0.900	LCLS-APA-CP-III-80LED-NW	LCLS-APA-3-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	27	P-80-4	SINGLE	6938	0.900	LCLS-APA-CP-IV-80LED-NW	LCLS-APA-4-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	8	P-80-5-2	BACK-BACK	7541	0.900	2@180-LCLS-APA-CP-V-80LED-NW	LCLS-APA-5-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⌂	40	W ALT	SINGLE	1034	0.900	700OWCOS12WC830UNV	102171228CHI-035 GB 700OWCOS12WC830UNV.ies	Wall Mounted Light: W Alt, Detail 3/DSP-29.3
⌂	10	W1	SINGLE	3468	0.900	WPLED26N-WPLED26N_D10	WPLED26N.ies	Wall Mounted Light, Detail 2/DSP-29.3

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PARKING & CIRCULATION	Illuminance	Fc	0.95	2.8	0.5	1.90	5.60	readings taken at grade

NOTES:
- TARGETING MINIMUM OF 0.5FC
- MAIN BUILDINGS BUILT AS 30' TALL BLOCKING OBJECTS (ASSUMED)
- ALL STORAGE/GARAGE UNITS BUILT AS 18' TALL (ASSUMED)

0' 10' 20' 40' 80'

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M-NCPPC
APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

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www.urban-ltd.com

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STATE OF MARYLAND
KEVIN J. TANKERSLEY
No. 795
LICENSED
LANDSCAPE ARCHITECT
10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020."

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Revision / Issue

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	ISSUED	06.07.2019
	ISSUED	07.16.2019
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	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL

Project No. 18-078

Date OCTOBER 09 2019

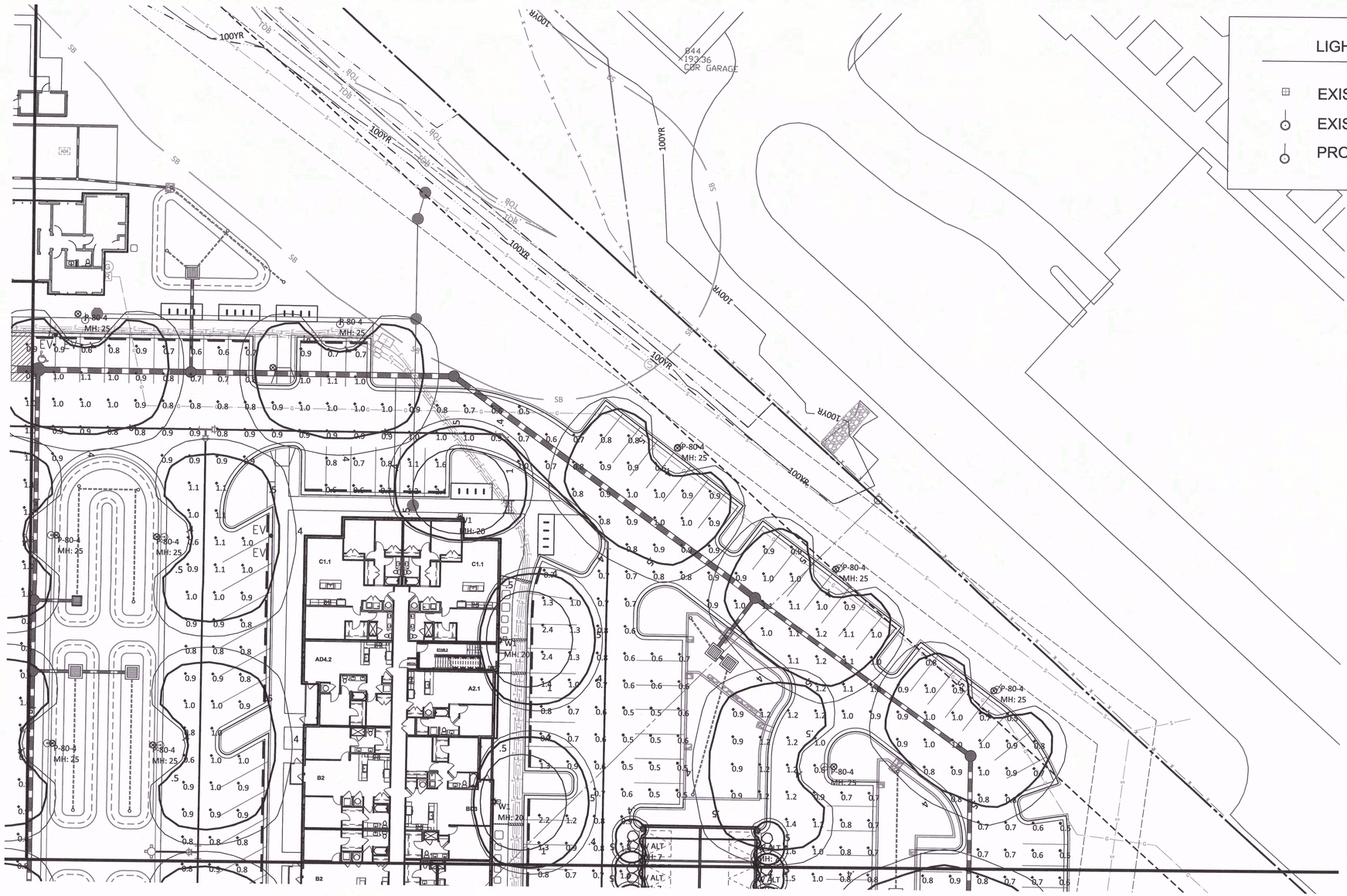
Drawing Title
LIGHTING PLAN

Scale: 1" = 20'-0"

Drawing Number
DSP-28

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L4.00-18078-Lighting.dwg [DSP-28 LIGHTING PLAN] October 07, 2019 – 4:50pm pmathur



LIGHTING LEGEND (OFF-SITE)

- EXISTING ELECTRICAL POLE W/O LIGHT
- EXISTING LIGHT ON EX. ELECTRICAL POLE
- PROPOSED LIGHT ON EX. ELECTRICAL POLE

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename	Type
⊗	1	P-80-3	SINGLE	6988	0.900	LCLS-APA-CP-III-80LED-NW	LCLS-APA-3-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	27	P-80-4	SINGLE	6938	0.900	LCLS-APA-CP-IV-80LED-NW	LCLS-APA-4-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	8	P-80-5-2	BACK-BACK	7541	0.900	2@180-LCLS-APA-CP-V-80LED-NW	LCLS-APA-5-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
	40	W ALT	SINGLE	1034	0.900	700OWCOS12WC830UNV	102171228CHI-035 GB 700OWCOS12WC830UNV.ies	Wall Mounted Light: W Alt, Detail 3/DSP-29.3
	10	W1	SINGLE	3468	0.900	WPLED26N-WPLED26N_D10	WPLED26N.ies	Wall Mounted Light, Detail 2/DSP-29.3

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PARKING & CIRCULATION	Illuminance	Fc	0.95	2.8	0.5	1.90	5.60	readings taken at grade

NOTES:
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- ALL STORAGE/GARAGE UNITS BUILT AS 18' TALL (ASSUMED)

0' 10' 20' 40' 80'

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APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
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STATE OF MARYLAND
JOHN L. LAMB
NO. 795
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LANDSCAPE ARCHITECT

10/7/2019

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Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By: KAT / PM
Checked By: JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title
LIGHTING PLAN

Scale: 1" = 20'-0"

Drawing Number
DSP-29

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\4.00-18078-Lighting.dwg [DSP-29 LIGHTING PLAN] October 07, 2019 – 4:51pm pmathur

LIGHTING LEGEND (OFF-SITE)

- EXISTING ELECTRICAL POLE W/O LIGHT
- EXISTING LIGHT ON EX. ELECTRICAL POLE
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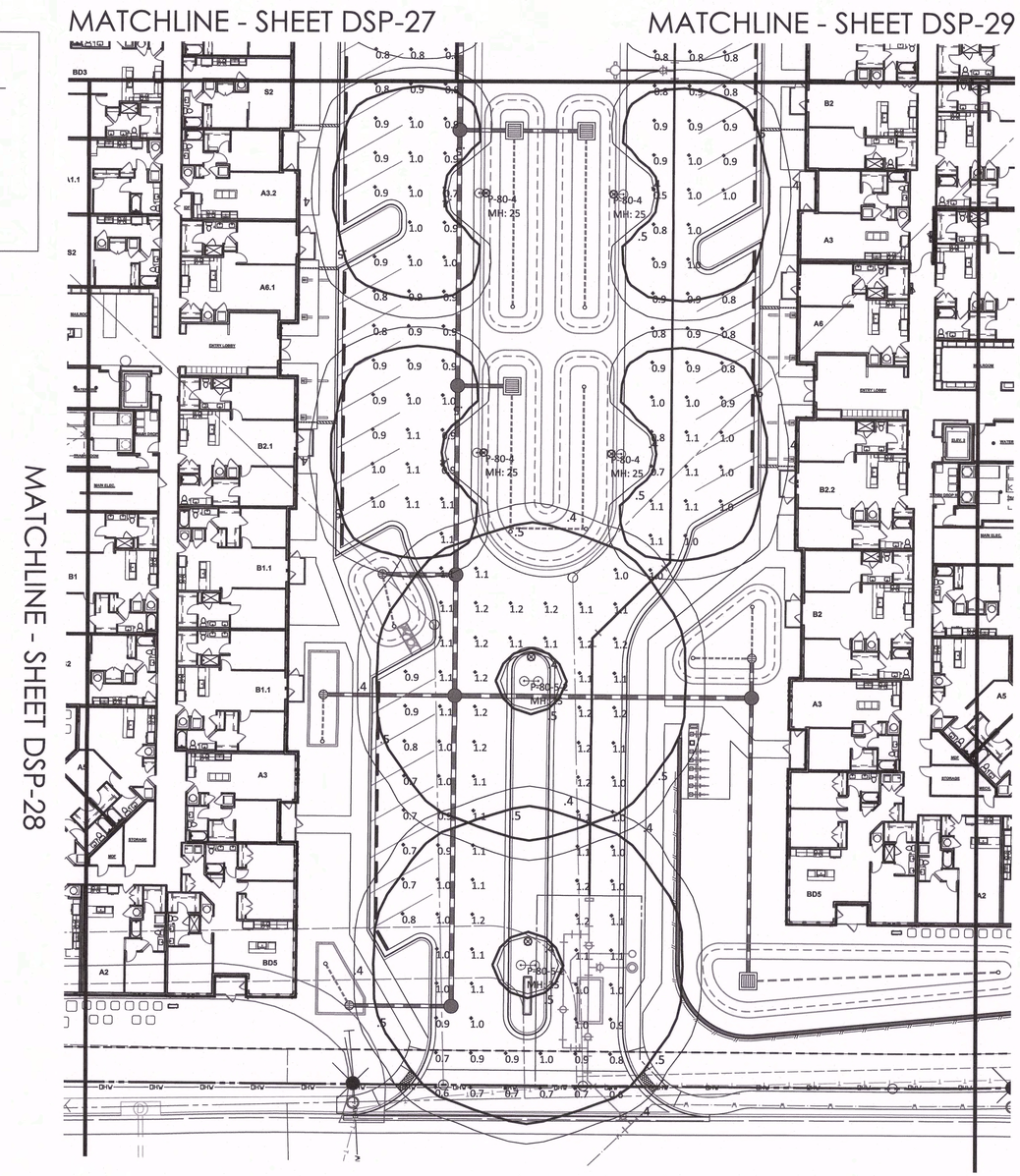

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename	Type
⊗	1	P-80-3	SINGLE	6988	0.900	LCLS-APA-CP-III-80LED-NW	LCLS-APA-3-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	27	P-80-4	SINGLE	6938	0.900	LCLS-APA-CP-IV-80LED-NW	LCLS-APA-4-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	8	P-80-5-2	BACK-BACK	7541	0.900	2@180-LCLS-APA-CP-V-80LED-NW	LCLS-APA-5-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
	40	W ALT	SINGLE	1034	0.900	700OWCOS12WC830UNV	102171228CHI-035 GB 700OWCOS12WC830UNV.ies	Wall Mounted Light: W Alt, Detail 3/DSP-29.3
	10	W1	SINGLE	3468	0.900	WPLED26N-WPLED26N_D10	WPLED26N.ies	Wall Mounted Light, Detail 2/DSP-29.3

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PARKING & CIRCULATION	Illuminance	Fc	0.95	2.8	0.5	1.90	5.60	readings taken at grade

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0' 10' 20' 40' 80'

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APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
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Seal

STATE OF MARYLAND
JOHN J. TANKERS
NO. 795
EXP. 10/03/2020
LANDSCAPE ARCHITECT

10/7/2019

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Revision / Issue

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	ISSUED	06.07.2019
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Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By KAT / PM
Checked By JL

Project No. 18-078

Date OCTOBER 09 2019

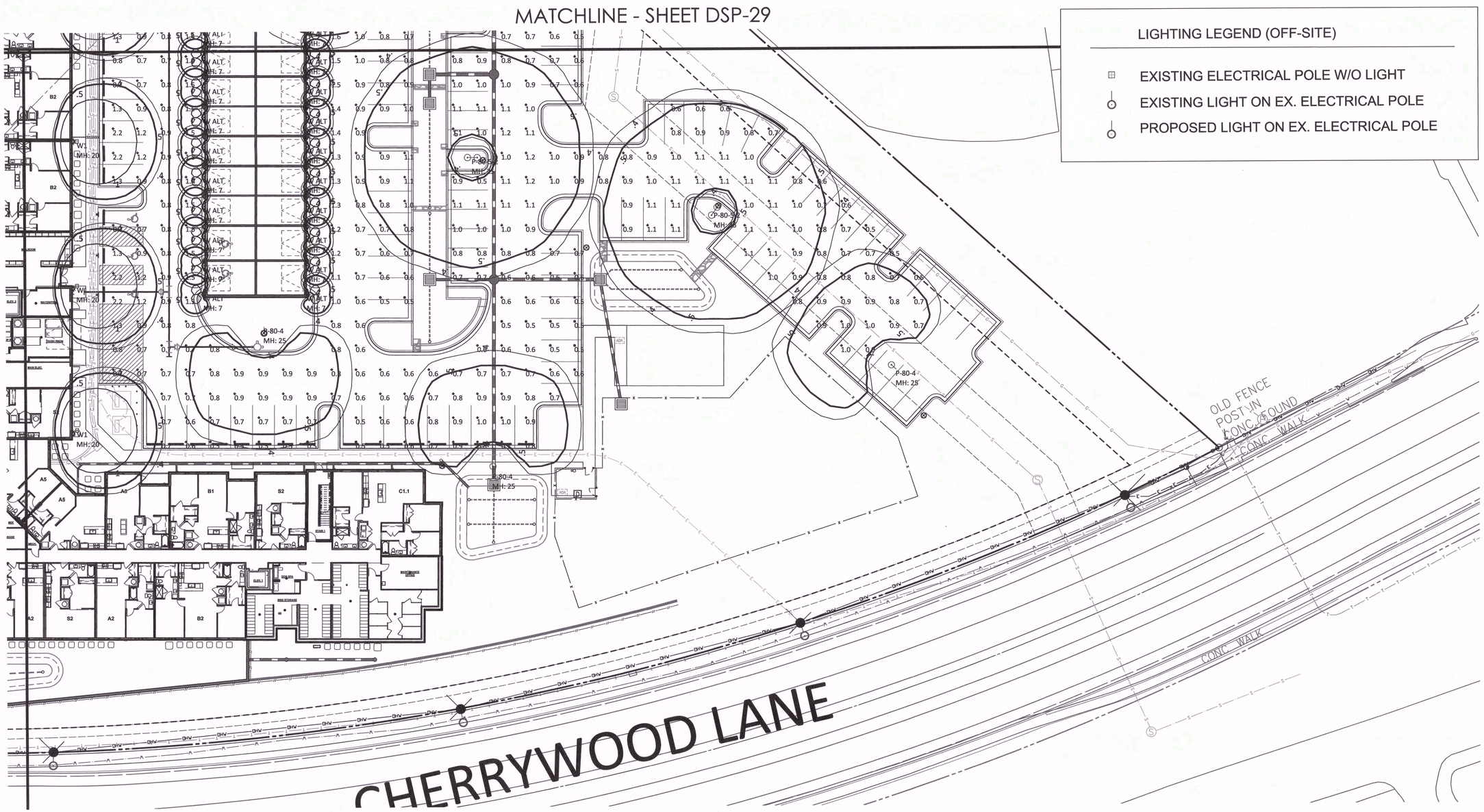
Drawing Title
LIGHTING PLAN

Scale: 1" = 20'-0"

Drawing Number
DSP-29.1

GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L4.00-18078-Lighting.dwg [DSP-29.1 LIGHTING PLAN] October 07, 2019 – 4:51pm pmathur



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- EXISTING LIGHT ON EX. ELECTRICAL POLE
- PROPOSED LIGHT ON EX. ELECTRICAL POLE

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Lum. Lumens	LLF	Description	Filename	Type
⊗	1	P-80-3	SINGLE	6988	0.900	LCLS-APA-CP-III-80LED-NW	LCLS-APA-3-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	27	P-80-4	SINGLE	6938	0.900	LCLS-APA-CP-IV-80LED-NW	LCLS-APA-4-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
⊗	8	P-80-5-2	BACK-BACK	7541	0.900	2@180-LCLS-APA-CP-V-80LED-NW	LCLS-APA-5-80LED-NW.ies	Pole Light, Detail 1/DSP-29.3
☆	40	W ALT	SINGLE	1034	0.900	700OWCOS12WC830UNV	102171228CHI-035 GB 700OWCOS12WC830UNV.ies	Wall Mounted Light: W Alt, Detail 3/DSP-29.3
☆	10	W1	SINGLE	3468	0.900	WPLED26N-WPLED26N_D10	WPLED26N.ies	Wall Mounted Light, Detail 2/DSP-29.3

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description
PARKING & CIRCULATION	Illuminance	Fc	0.95	2.8	0.5	1.90	5.60	readings taken at grade

NOTES:
- TARGETING MINIMUM OF 0.5FC
- MAIN BUILDINGS BUILT AS 30' TALL BLOCKING OBJECTS (ASSUMED)
- ALL STORAGE/GARAGE UNITS BUILT AS 18' TALL (ASSUMED)

0' 10' 20' 40' 80'

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QR label certifies that this plan meets conditions of final approval by the Planning Board, its designee or the District Council.
M-NCPPC
APPROVAL
PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
For Conditions of Approval see Site Plan Cover Sheet or Approval Sheet
Revision numbers must be included in the Project Number

urban
4200-D Technology Court
Chantilly, Virginia 20151
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Seal
STATE OF MARYLAND
JOHN J. TANKERSLEY
NO. 795
LICENSED
LANDSCAPE ARCHITECT
10/7/2019

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the State of Maryland, license number: 795, Expiration Date: 01/03/2020."

the NRP group
1228 Euclid Avenue, 4th Floor
Cleveland, Ohio 44115
216.584.0602

Revision / Issue

No.	Description	Date
	ISSUED	02.22.2019
	ISSUED	06.07.2019
	ISSUED	07.16.2019
	ISSUED	09.05.2019
	ISSUED	10.07.2019

Project Name
GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By KAT / PM
Checked By JL

Project No. 18-078

Date OCTOBER 09 2019

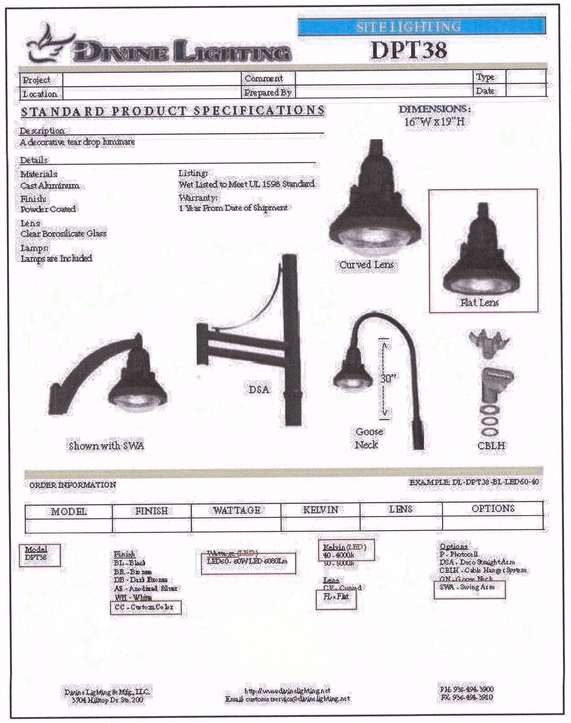
Drawing Title
LIGHTING PLAN

Scale: 1" = 20'-0"

Drawing Number
DSP-29.2

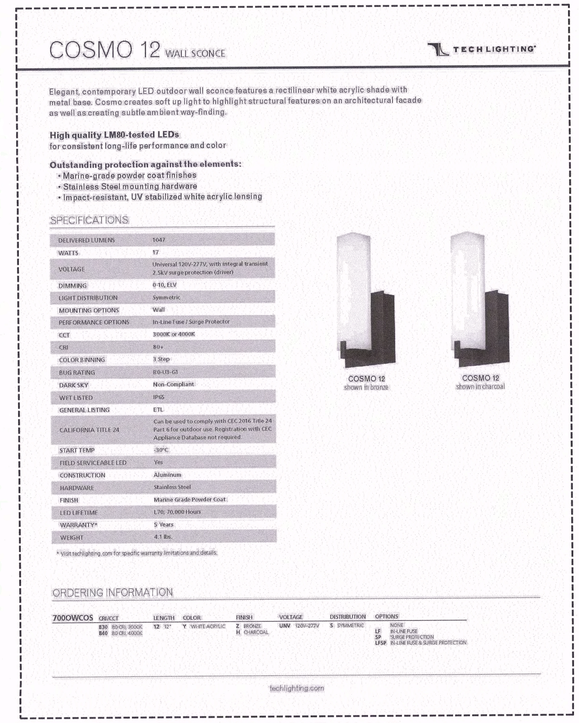
GREENBELT METRO

Urban, Ltd. – J:\JOBS\NRP Greenbelt Metro\SDRC\L4.00-18078-Lighting.dwg [DSP-29.2 LIGHTING PLAN] October 07, 2019 – 4:51pm pmathur

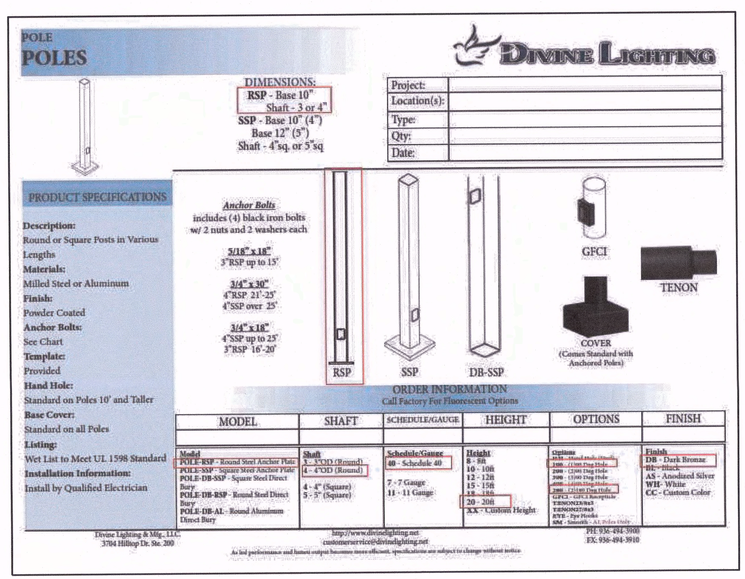


1 POLE LIGHT
NTS

2 WALL MOUNTED LIGHT
NTS



3 WALL MOUNTED LIGHT: W ALT
NTS



4 POLE LIGHT BASE
NTS

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Project Name

GREENBELT METRO

21st Election District
Prince George's County, MD

Drawn By	Checked By
KAT / PM	JL

Project No. 18-078

Date OCTOBER 09 2019

Drawing Title

LIGHTING DETAILS

Scale: N/A

Drawing Number

DSP-29.3

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M-NCPPC
APPROVAL

PROJECT NAME: GREENBELT METRO
PROJECT NUMBER: DSP-19014/00
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GREENBELT METRO

Urban, Ltd. - J:\JOBS\NRP Greenbelt Metro\SDRC\L4.00-18078-Lighting.dwg [DSP-29.3 LIGHTING DETAILS] October 07, 2019 - 4:51pm pmathur