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PROJECT TITLE  
**PRIYA SENIOR LIVING CAMPUS**  
 PART OF THE SW 1/4 OF SECTION 31,  
 T.3N., R.11E,  
 ROCHESTER HILLS, MICHIGAN

REVISIONS


SPA RESUBMITTAL	08/31/2021
SPA RESUBMITTAL	07/20/2021
SPA RESUBMITTAL	06/15/2021
SPA RESUBMITTAL	04/16/2021

ORIGINAL ISSUE DATE:  
 JANUARY 6, 2021  
 DRAWING TITLE  
**PRELIMINARY DRAINAGE AREA MAP AND CALCULATIONS**

PEA JOB NO.	2020-0340
P.M.	ESB
DN.	ESB
DES.	ESB
DRAWING NUMBER:	----

**LEGEND**

● IRON FOUND	⊗ BRASS PLUG SET	⊙ SEC. CORNER FOUND
⊗ IRON SET	⊗ MONUMENT FOUND	R RECORDED
⊗ NAIL FOUND	⊗ MONUMENT SET	M MEASURED
⊗ NAIL & CAP SET		C CALCULATED

**EXISTING**

- OH-ELEC—W—O— ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
- UG-CATV— UG. CABLE TV, CATV PEDESTAL
- UG-PHONE— UG. CABLE, PEDESTAL & MANHOLE
- UG-ELEC—ELEC. U.G. CABLE, MANHOLE, METER & HANDHOLE
- GAS VALVE & GAS LINE MARKER
- WATERMAN, HYD. GATE VALVE, TAPPING BLEEVE & VALVE
- SANITARY SEWER, CLEANOUT & MANHOLE
- STORM SEWER, CLEANOUT & MANHOLE
- COMBINED SEWER & MANHOLE
- SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
- POST INDICATOR VALVE
- WATER VALVE BODY/HYDRANT VALVE BOX, SERVICE SHUTOFF
- MARB. TRANSFORMER, IRRIGATION CONTROL VALVE
- UNIDENTIFIED STRUCTURE
- SPOT ELEVATION
- CONTOUR LINE
- FENCE
- GUARD RAIL
- STREET LIGHT
- SIGN
- CONC. CONCRETE
- ASPH. ASPHALT
- GRAVEL SHOULDER
- WETLAND

**PROPOSED**

- 3" HDPE FLOW DUTY ONLY
- 3" HDPE STRENGTH

	S. Adams Drainage Area	East Drainage Area	South Blvd Drainage Area
Total Area (SF)	238,750	146,656	24,552
Pervious Cover (SF, C=0.22)	61,189	38,264	14,157
Impervious Cover (SF, C=0.95)	177,561	108,392	10,405
C-factor	0.76	0.76	0.53

**25 YEAR STORM DETENTION DESIGN EAST STORM - NORTHEAST OVERFLOW**

Contributing Area (A):	3.37 acre
Allowable Discharge (Qa):	0.67 cfs (0.2'area)
Coefficient of Runoff (Cr):	0.76

**Calculation of Required Discharge/Acre**

Qo = ((Qa)/(A))(Cr):	0.26 cfs/acre impervious
T = -25 + ((8062.5/Qo))^0.5:	150.04 minutes
Vs = (12900(T)(T+25)) - 40Qo(T):	9,478.20 cfs/acre impervious
Vt = (Vs)(A)(Cr):	24,275.55 cft

**Underground Detention Storage**

Perf. Pipe Diameter:	72 in
Perf. Pipe Volume per Linear Foot:	28.27 cft
Total Pipe Length:	710 ft
Total Pipe Volume:	20,074 cft
Length of Detention Field:	710 ft
Area of Detention Field:	8 ft
Width of Detention Field:	8 ft
Area of Detention Field:	5,680 sqft
Height of Detention Field:	6.00 ft
Volume of Detention Field:	34,078 cft
Volume of Aggregate:	14,004.45 cft
Volume of Detention Field - Total Pipe Volume:	
Percent Voids of Aggregate:	30 %
Void Volume:	4,201 cft
<b>Total Detention Volume:</b>	<b>24,275 cft</b>
Total Pipe Volume + Void Volume:	

**100 YEAR STORM DETENTION DESIGN WEST STORM - SOUTH ADAMS OVERFLOW**

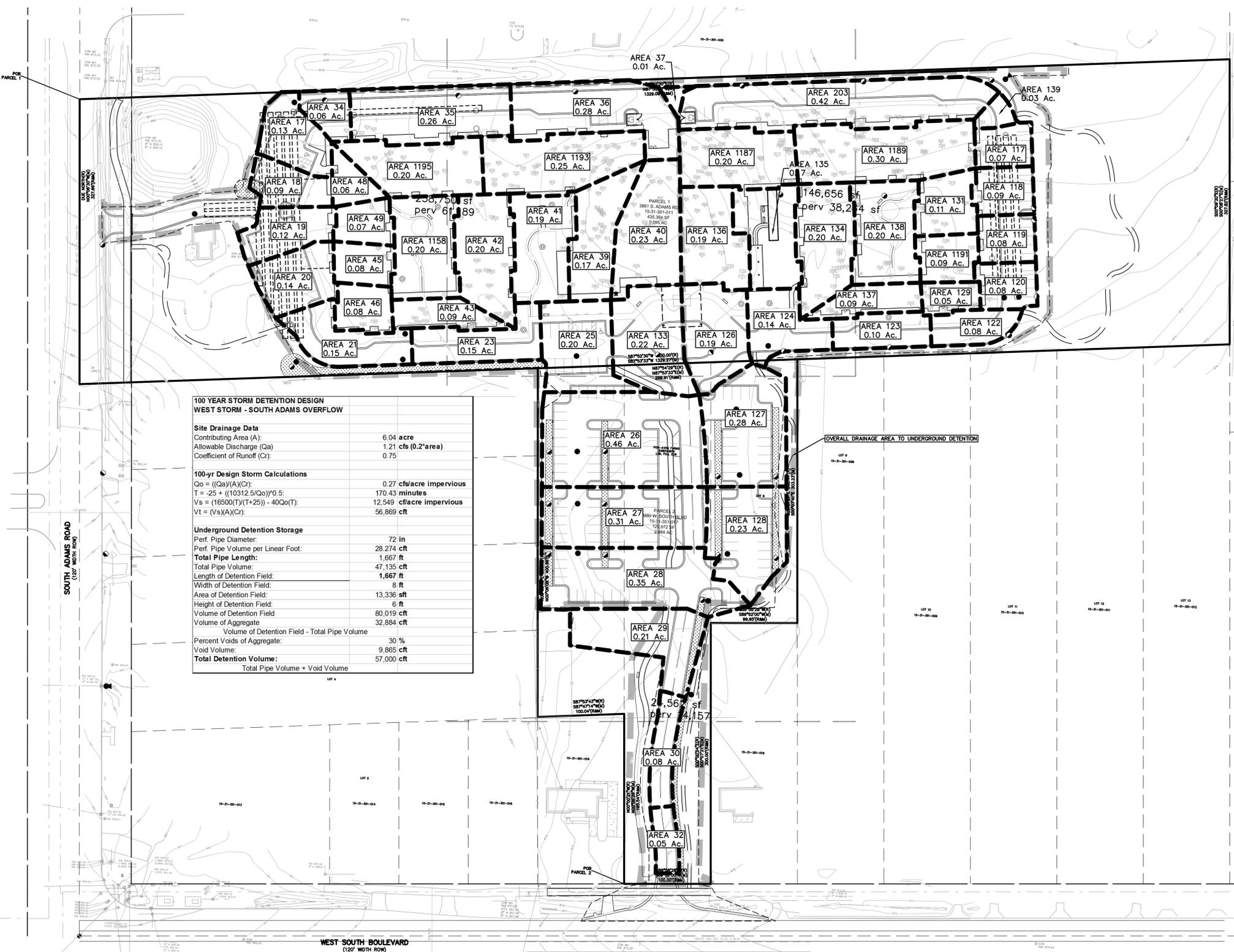
Contributing Area (A):	6.04 acre
Allowable Discharge (Qa):	1.21 cfs (0.2'area)
Coefficient of Runoff (Cr):	0.75

**100-yr Design Storm Calculations**

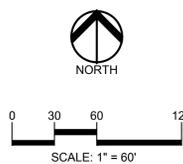
Qo = ((Qa)/(A))(Cr):	0.27 cfs/acre impervious
T = -25 + ((10312.5/Qo))^0.5:	170.43 minutes
Vs = (16500(T)(T+25)) - 40Qo(T):	12,549 cfs/acre impervious
Vt = (Vs)(A)(Cr):	56,869 cft

**Underground Detention Storage**

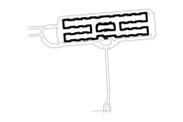
Perf. Pipe Diameter:	72 in
Perf. Pipe Volume per Linear Foot:	28.27 cft
Total Pipe Length:	1,667 ft
Total Pipe Volume:	47,135 cft
Length of Detention Field:	1,667 ft
Width of Detention Field:	8 ft
Area of Detention Field:	13,336 sqft
Height of Detention Field:	6 ft
Volume of Detention Field:	80,019 cft
Volume of Aggregate:	32,884 cft
Volume of Detention Field - Total Pipe Volume:	
Percent Voids of Aggregate:	30 %
Void Volume:	9,865 cft
<b>Total Detention Volume:</b>	<b>57,000 cft</b>
Total Pipe Volume + Void Volume:	







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**LEGEND**

- |                  |                  |                     |
|------------------|------------------|---------------------|
| ● IRON FOUND     | ⊗ BRASS PLUG SET | ⊗ SEC. CORNER FOUND |
| ⊗ IRON SET       | ⊗ MONUMENT FOUND | ⊗ R RECORDED        |
| ⊗ NAIL FOUND     | ⊗ MONUMENT SET   | ⊗ M MEASURED        |
| ⊗ NAIL & CAP SET |                  | ⊗ C CALCULATED      |
- 
- |   |   |
|---|---|
| — OH-ELEC—  | ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE  |
| — UG-CATV—  | UNDERGROUND CABLE TV, CATV PEDESTAL                 |
| — UG-PHONE—   | TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE            |
| — UG-ELEC—  | ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE      |
| — GAS VALVE & GAS LINE MARKER                         | GAS MARK, VALVE & GAS LINE MARKER                   |
| — WATERMAIN, HYD., GATE VALVE, TAPPING BLEEVE & VALVE | WATERMAIN, HYD., GATE VALVE, TAPPING BLEEVE & VALVE |
| — SANITARY SEWER, CLEANOUT & MANHOLE                  | SANITARY SEWER, CLEANOUT & MANHOLE                  |
| — STORM SEWER, CLEANOUT & MANHOLE                     | STORM SEWER, CLEANOUT & MANHOLE                     |
| — COMBINED SEWER & MANHOLE                            | COMBINED SEWER & MANHOLE                            |
| — SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN     | SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN     |
| — POST INDICATOR VALVE                                | POST INDICATOR VALVE                                |
| — WATER VALVE BODY/HYDRANT VALVE BOX, SERVICE SHUTOFF | WATER VALVE BODY/HYDRANT VALVE BOX, SERVICE SHUTOFF |
| — MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE      | MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE      |
| — UNIDENTIFIED STRUCTURE                              | UNIDENTIFIED STRUCTURE                              |
| — SPOT ELEVATION                                      | SPOT ELEVATION                                      |
| — CONTOUR LINE  | CONTOUR LINE  |
| — FENCE   | FENCE   |
| — GUARDRAIL   | GUARDRAIL   |
| — STREET LIGHT  | STREET LIGHT  |
| — SIGN  | SIGN  |
| — CONC.   | CONCRETE  |
| — ASPHL.  | ASPHALT   |
| — GRAVEL  | GRAVEL SHOULDER                                     |
| — WETLAND   | WETLAND   |

**GENERAL SITE LIGHTING NOTES:**

- THE LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS.
- ALL POLES ARE TO BE MOUNTED ON CONCRETE PEDESTALS 2 FEET ABOVE GRADE AS SHOWN IN DETAIL.
- ALL POLES LOCATED OUTSIDE OF THE PARKING LOT AREA SHALL BE LOCATED 3 FEET FROM BACK OF CURB OR EDGE OF SIDEWALKS.
- SHOP DRAWINGS FOR THE ELECTRICAL WIRING OF THE FIXTURES NEED TO BE SUPPLIED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR COORDINATION OF UNDERGROUND CONDUIT AND APPROVAL OF LAYOUT.
- ALL AREA LIGHT FIXTURES ARE TO BE DOWNWARD DIRECTED.
- CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL MATERIALS AND EQUIPMENT FOR THIS WORK UNLESS OTHERWISE NOTED.
- COORDINATE LIGHT FIXTURE PLACEMENT AND INSTALLATION WITH LANDSCAPE.
- ALL CONDUCTORS SHALL BE IN CONDUIT.

**SITE PHOTOMETRIC DATA:**

	ALLOWED	PROPOSED
1. FIXTURE HEIGHT (RESIDENTIAL):	15 FT. (MAX)	SEE SCHEDULE
2. FOOTCANDLE AT PROP LINE:	0.5 Fc. (MAX)	0.5 Fc. (MAX)
3. FOOTCANDLE AT ROW LINE:	1.0 Fc. (MAX)	1.0 Fc. (MAX)
4. SITE FOOTCANDLE MAX.:	10.0 Fc. (MAX)	10.0 Fc. (MAX)

Symbol	Label	Height (ft)	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiple	LLF	Wattage	Efficiency	Distrib. Ion
□	P1	15	15	Lithonia Lighting	DSX1 LED P6 30K TFTM MVOLT HS	DSX1 LED P6 30K TFTM MVOLT with houseshield	LED	1	DSX1_LED_P6_30K_TFTM_MVOLT_HS.ies	13797	1	0.95	163	100%	TYPE III, VERY SHORT, BUG RATING: B2 - U0 - G3
□	P2	15	4	Lithonia Lighting	DSX1 LED P2 30K TFTM MVOLT HS	DSX1 LED P2 30K TFTM MVOLT with houseshield	LED	1	DSX1_LED_P2_30K_TFTM_MVOLT_HS.ies	6447	1	0.95	70	100%	TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G2
□	P3	15	10	Lithonia Lighting	DSX1 LED P1 30K T2S MVOLT HS	DSX1 LED P1 30K T2S MVOLT with houseshield	LED	1	DSX1_LED_P1_30K_T2S_MVOLT_HS.ies	4459	1	0.95	54	100%	TYPE II, SHORT, BUG RATING: B1 - U0 - G1
□	P4	15	6	Lithonia Lighting	DSX1 LED P4 30K T5M MVOLT HS	DSX1 LED P4 30K T5M MVOLT with houseshield	LED	1	DSX1_LED_P4_30K_T5M_MVOLT_HS.ies	10070	1	0.95	250	100%	TYPE III, SHORT, BUG RATING: B2 - U0 - G2
□	P5	15	3	Lithonia Lighting	DSX1 LED P2 30K TFTM MVOLT HS	DSX1 LED P2 30K TFTM MVOLT with houseshield	LED	1	DSX1_LED_P2_30K_TFTM_MVOLT_HS.ies	6447	1	0.95	140	100%	TYPE III, VERY SHORT, BUG RATING: B1 - U0 - G2
□	P6	15	5	Lithonia Lighting	DSX1 LED P3 30K T2M MVOLT HS	DSX1 LED P3 30K T2M MVOLT with houseshield	LED	1	DSX1_LED_P3_30K_T2M_MVOLT_HS.ies	9544	1	0.95	102	100%	TYPE III, MEDIUM, BUG RATING: B1 - U0 - G2
□	P7	15	10	Lithonia Lighting	DSX1 LED P1 30K BLC MVOLT	DSX1 LED P1 30K BLC MVOLT	LED	1	DSX1_LED_P1_30K_BLC_MVOLT_HS.ies	5298	1	0.95	54	100%	TYPE III, SHORT, BUG RATING: B1 - U0 - G1

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NO.	DATE	DESCRIPTION

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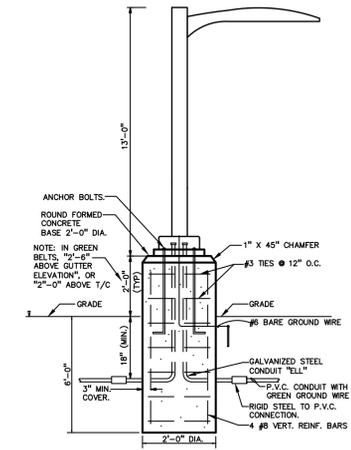
**DRAWING TITLE**  
**PHOTOMETRIC PLAN**

PEA JOB NO.	2020-0340
P.M.	ESB
DN.	CLR
DES.	ESB
DRAWING NUMBER:	

S:\PROJECTS\2020\2020-0340 PRIYA SENIOR LIVING CAMPUS\DWG\SITE PLANS\03-1\PHOTO-20200340.DWG



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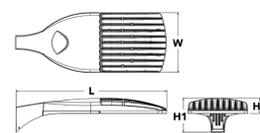


**CONCRETE BASE DETAIL**  
NOT TO SCALE



**D-Series Size 1 LED Area Luminaire**

- Specifications**
- EPA: 1.01 ft<sup>2</sup> (0.09m<sup>2</sup>)
  - Length: 33" (0.84m)
  - Width: 13" (0.33m)
  - Height H1: 7'-1/2" (0.69m)
  - Height H2: 3'-1/2" (0.24m)
  - Weight: 27 lbs (12.2kg)



**Introduction**  
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

**Ordering Information** EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAR2 PIRNH DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX1 LED	<b>Forward optics</b>					
	P1	30K 3000K	T15 Type I short (Asymmetric)	MVOLT 1	<b>Shipped included</b>	
	P2	40K 4000K	T25 Type I short	XVOLT	SPA Square pole mounting	
	P3	5000K	T25 Type I medium	(277V-480V) <sup>1,2,3</sup>	RPA Round pole mounting <sup>10</sup>	
	<b>Rotated optics</b>	P6	30K 3000K	T22 Type I medium	120*	WBA Wall bracket <sup>1</sup>
		P7	40K 4000K	T35 Type II short	208*	SPUMBA Square pole universal mounting adaptor <sup>11</sup>
		P8	5000K	T35 Type II medium	240*	RPUMBA Round pole universal mounting adaptor <sup>1</sup>
	<b>Shipped separately</b>	P10 <sup>1</sup>		T3M Type II medium	277*	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>12</sup>
		P12 <sup>1</sup>		T3M Type II medium	347*	
		P13 <sup>1,2</sup>		T3M Type II medium	480*	

Control options	Other options	Finish (optional)
<b>Shipped installed</b>		
NLTAR2 4-light AIR generation 2 enabled <sup>13</sup>	PIR High flow, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 15' <sup>14</sup>	DDBXD Dark bronze
PIRHN Network, high flow motion/ambient sensor <sup>14</sup>	PIRH High flow, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 15' <sup>14</sup>	DBXD Black
PER NEMA twist-lock receptacle only (controls ordered separately) <sup>15</sup>	PIRHCSV High flow, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 15' <sup>14</sup>	DNDXD Natural aluminum
PER5 Five-pin receptacle only (controls ordered separately) <sup>15,16</sup>	PIRHCSV Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 15' <sup>14</sup>	DWDXD White
PER7 Seven-pin receptacle only (controls ordered separately) <sup>15,16</sup>	FAO Field adjustable output <sup>15,17</sup>	DDBTDD Textured dark bronze
DNG 0-10V dimming wires pulled outside fixture for use with an external control, ordered separately <sup>17</sup>		DBDDDD Textured black
DS Dual switching <sup>18,19</sup>		DNDTDD Textured natural aluminum
		BS Bid spikes <sup>20</sup>
		EES External glare shield
		DWNGDD Textured white

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**PHOTOMETRIC DETAILS**

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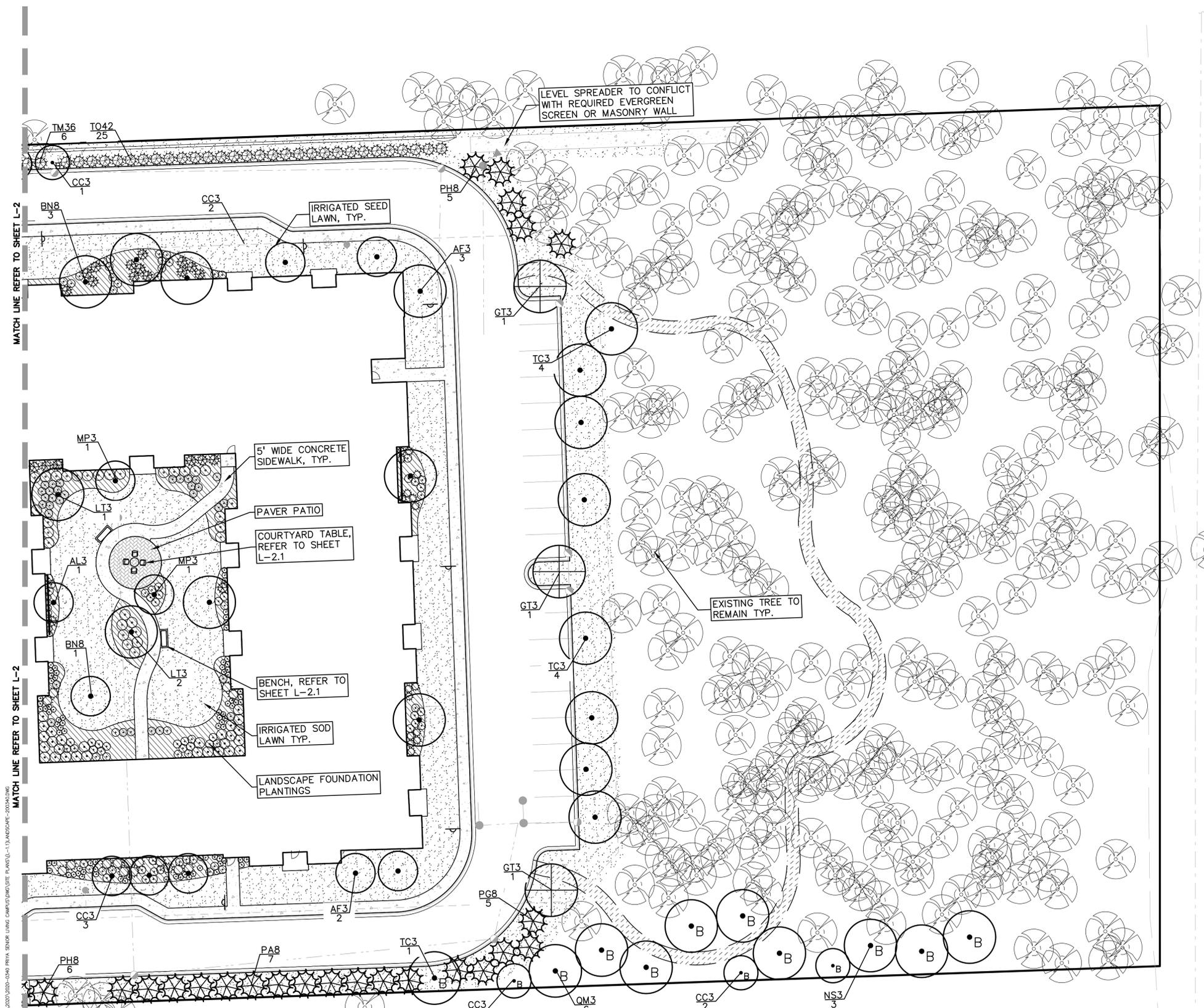
CITY FILE #21-001, SECTION #31  
NOT TO BE USED AS CONSTRUCTION DRAWINGS

**SL-1.2**









**DECIDUOUS TREE PLANT LIST:**

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
11	AL3	Serviceberry	<i>Amelanchier laevis</i>	3" Cal.	B&B
5	AF3	Armstrong Maple	<i>Acer freemanii 'Armstrong'</i>	3" Cal.	B&B
6	AS3	Green Mountain Sugar Maple	<i>Acer saccharum 'Green Mountain'</i>	3" Cal.	B&B
3	BN8	River Birch	<i>Betula nigra</i>	8" Hr.	B&B
12	CC3	Eastern Redbud	<i>Cercis canadensis</i>	3" Cal.	B&B
2	CO3	Common Hackberry	<i>Celtis occidentalis</i>	3" Cal.	B&B
4	GT3	Skyline Honeylocust	<i>Gleditsia triacanthos f. Inermis 'Skycole'</i>	3" Cal.	B&B
3	MP3	Prairie Fire Crab	<i>Malus 'Prairie Fire'</i>	3" Cal.	B&B
2	QM3	Bur Oak	<i>Quercus macrocarpa</i>	3" Cal.	B&B
48	TOTAL DECIDUOUS TREES				

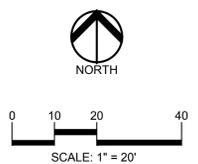
**EVERGREEN TREE PLANT LIST:**

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
8	PA8	Norway Spruce	<i>Picea abies</i>	8" Hr.	B&B
12	PG8	Black Hills Spruce	<i>Picea glauca 'Densata'</i>	8" Hr.	B&B
17	PH8	Bosnian Pine	<i>Pinus heldreichii</i>	8" Hr.	B&B
6	PS8	Eastern White Pine	<i>Pinus strobus</i>	8" Hr.	B&B
43	TOTAL EVERGREEN TREES				

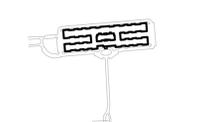
  

**SHRUB PLANT LIST:**

QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
38	TM36	Hicks Yew	<i>Taxus x media 'Hicksii'</i>	36" Hr.	B&B
25	TO42	Mission Arborvitae	<i>Thuja occidentalis 'Techny'</i>	42" Hr.	B&B
63	TOTAL SHRUBS				



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**KEY:**

- = REPLACEMENT TREES
- = INTERIOR PARKING TREES
- = RIGHT OF WAY TREES
- = MINOR ROAD TREES
- = FRONT YARD TREES
- = BUFFER TREES
- = SHRUBS
- = RAIN GARDEN SEED MIX
- = IRRIGATED SOD LAWN
- = IRRIGATED SEED LAWN
- = PERENNIALS
- = MULCH
- = RIVER ROCK OVER WEED FABRIC
- = EXISTING TREES TO REMAIN

**NOTE:**  
 REFER TO SHEET L-1.0 FOR GENERAL LANDSCAPE NOTES AND SPECIFICATIONS SHEETS L-3.0 TO L-3.2

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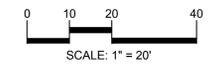
DRAWING TITLE  
**ENLARGED LANDSCAPE PLAN 3**

PEA JOB NO.	2020-0340
P.M.	ESB
DN.	ESB
DES.	ESB
DRAWING NUMBER:	

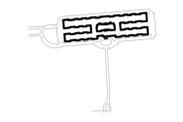
CITY FILE #21-001, SECTION #31  
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**L-1.3**

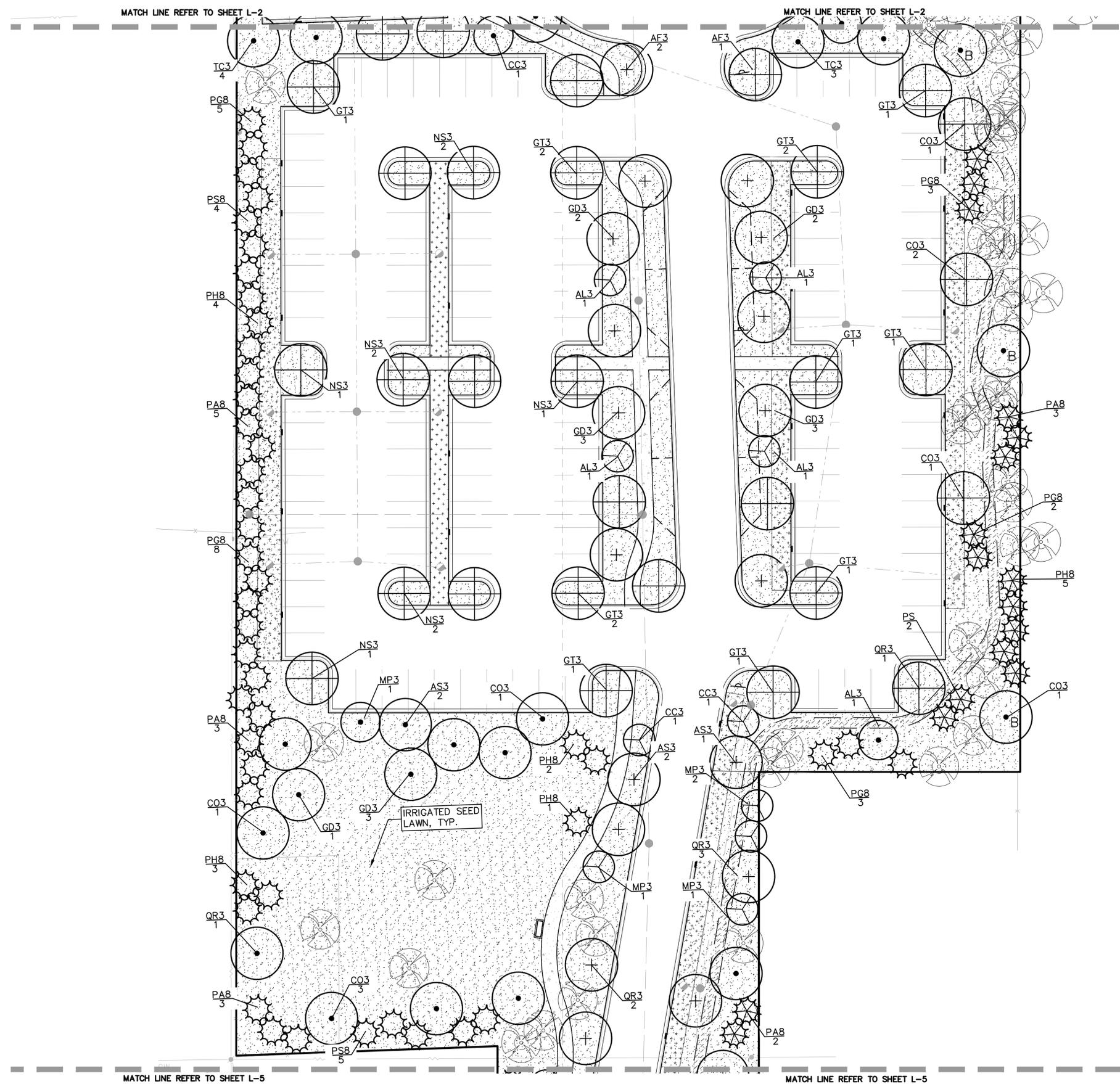
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3	AF3	Armstrong Maple	<i>Acer freemanii 'Armstrong'</i>	3" Cal. B&B
5	AS3	Green Mountain Sugar Maple	<i>Acer saccharum 'Green Mountain'</i>	3" Cal. B&B
3	CC3	Eastern Redbud	<i>Cercis canadensis</i>	3" Cal. B&B
10	CO3	Common Hackberry	<i>Celtis occidentalis</i>	3" Cal. B&B
14	GT3	Skyline Honeylocust	<i>Gleditsia triacanthos f. inermis 'Skycole'</i>	3" Cal. B&B
14	GD3	Kentucky Coffee Tree	<i>Gymnocladus dioica</i>	3" Cal. B&B
9	NS3	Sour Gum	<i>Nyssa sylvatica</i>	3" Cal. B&B
5	MP3	Prairie Fire Crab	<i>Malus 'Prairiefire'</i>	3" Cal. B&B
7	QR3	Red Oak	<i>Quercus rubra</i>	3" Cal. B&B
7	TC3	Greenspire Linden	<i>Tilia cordata 'Greenspire'</i>	3" Cal. B&B
82	TOTAL DECIDUOUS TREES			
EVERGREEN TREE PLANT LIST:				
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE SPEC
16	PA8	Norway Spruce	<i>Picea abies</i>	8' H. B&B
21	PG8	Black Hills Spruce	<i>Picea glauca 'Densata'</i>	8' H. B&B
15	PH8	Bosnian Pine	<i>Pinus heldreichii</i>	8' H. B&B
12	PS8	Eastern White Pine	<i>Pinus strobus</i>	8' H. B&B
64	TOTAL EVERGREEN TREES			



**KEY:**

- = REPLACEMENT TREES
- = INTERIOR PARKING TREES
- = RIGHT OF WAY TREES
- = MINOR ROAD TREES
- = FRONT YARD TREES
- = BUFFER TREES
- = SHRUBS
- = RAIN GARDEN SEED MIX
- = IRRIGATED SOD LAWN
- = IRRIGATED SEED LAWN
- = PERENNIALS
- = MULCH
- = RIVER ROCK OVER WEED FABRIC
- = EXISTING TREES TO REMAIN

**NOTE:**  
REFER TO SHEET L-1.0 FOR GENERAL LANDSCAPE NOTES AND SPECIFICATIONS SHEETS L-3.0 TO L-3.2

PROJECT TITLE  
**PRIYA SENIOR LIVING CAMPUS**  
PART OF THE SW 1/4 OF SECTION 31,  
T.3N., R.11E,  
ROCHESTER HILLS, MICHIGAN

REVISIONS	

SPA RESUBMITTAL	08/31/2021
SPA RESUBMITTAL	07/20/2021
SPA RESUBMITTAL	06/15/2021
SPA RESUBMITTAL	04/16/2021

ORIGINAL ISSUE DATE:  
JANUARY 6, 2021

DRAWING TITLE  
**ENLARGED LANDSCAPE PLAN 4**

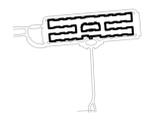
PEA JOB NO.	2020-0340
P.M.	ESB
DN.	ESB
DES.	ESB
DRAWING NUMBER:	

**CITY FILE #21-001, SECTION #31  
NOT TO BE USED AS CONSTRUCTION DRAWINGS**

**L-1.4**

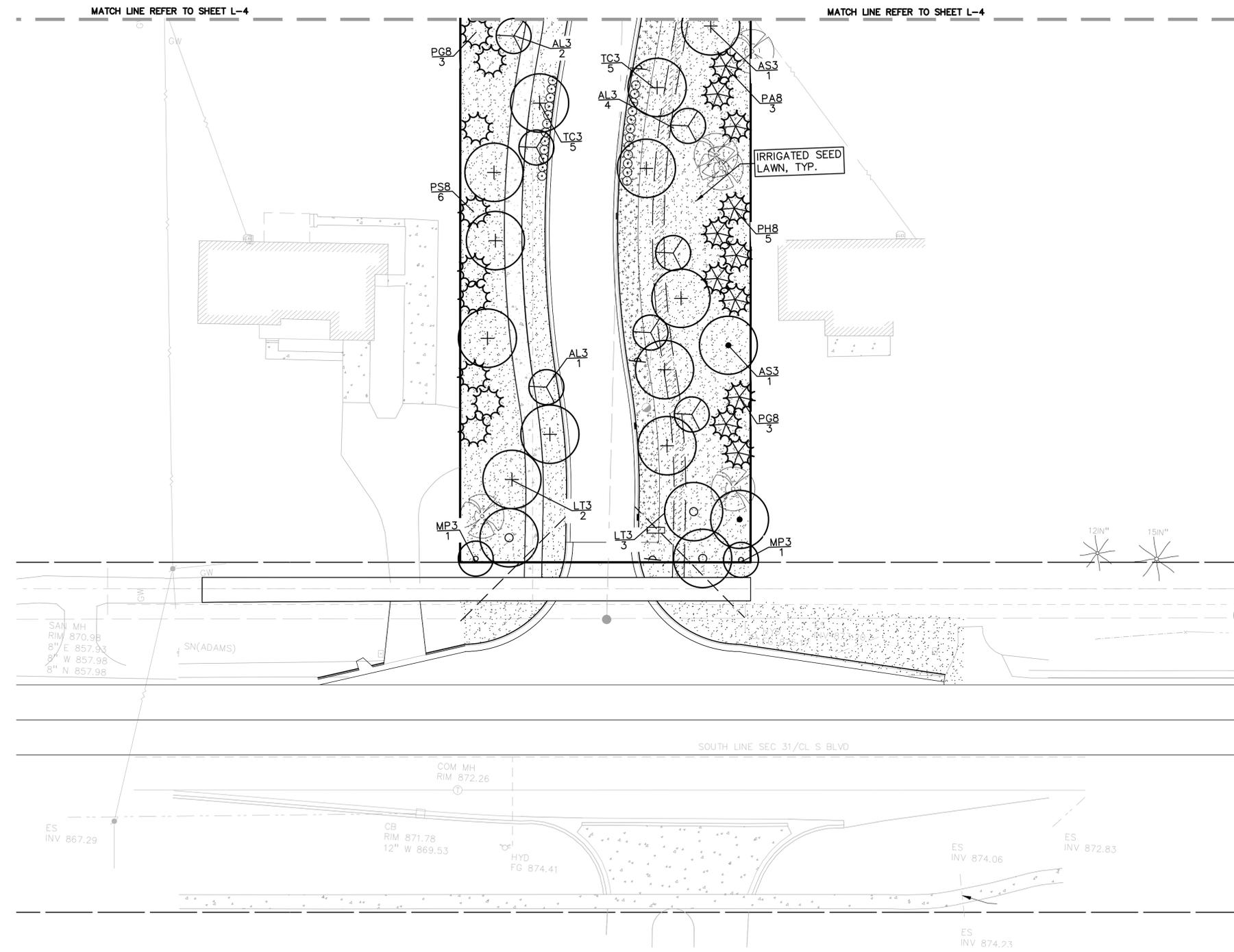


**CAUTION!**  
 THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



DECIDUOUS TREE PLANT LIST:				
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE SPEC
7	AL3	Serviceberry	<i>Amelanchier laevis</i>	3" Cal. B&B
2	AS3	Green Mountain Sugar Maple	<i>Acer saccharum 'Green Mountain'</i>	3" Cal. B&B
5	LT3	Tuliptree	<i>Liriodendron tulipifera</i>	3" Cal. B&B
2	MP3	Prairie Fire Crab	<i>Malus 'Prairie Fire'</i>	3" Cal. B&B
10	TC3	Greenspire Linden	<i>Tilia cordata 'Greenspire'</i>	3" Cal. B&B
26	TOTAL DECIDUOUS TREES			

EVERGREEN TREE PLANT LIST:				
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE SPEC
3	PA8	Norway Spruce	<i>Picea abies</i>	8' Ht. B&B
6	PG8	Black Hills Spruce	<i>Picea glauca 'Densata'</i>	8' Ht. B&B
5	PH8	Bosnian Pine	<i>Pinus heldreichii</i>	8' Ht. B&B
6	PS8	Eastern White Pine	<i>Pinus strobus</i>	8' Ht. B&B
20	TOTAL EVERGREEN TREES			



**KEY:**

- = REPLACEMENT TREES
- = INTERIOR PARKING TREES
- = RIGHT OF WAY TREES
- = MINOR ROAD TREES
- = FRONT YARD TREES
- = BUFFER TREES
- = SHRUBS
- = RAIN GARDEN SEED MIX
- = IRRIGATED SOD LAWN
- = IRRIGATED SEED LAWN
- = PERENNIALS
- = MULCH
- = RIVER ROCK OVER WEED FABRIC
- = EXISTING TREES TO REMAIN

**NOTE:**  
 REFER TO SHEET L-1.0 FOR GENERAL LANDSCAPE NOTES AND SPECIFICATIONS SHEETS L-3.0 TO L-3.2

PROJECT TITLE  
**PRIYA SENIOR LIVING CAMPUS**  
 PART OF THE SW 1/4 OF SECTION 31,  
 T.3N., R.11E,  
 ROCHESTER HILLS, MICHIGAN

REVISIONS	

SPA RESUBMITTAL	08/31/2021
SPA RESUBMITTAL	07/20/2021
SPA RESUBMITTAL	06/15/2021
SPA RESUBMITTAL	04/16/2021

ORIGINAL ISSUE DATE:  
 JANUARY 6, 2021

DRAWING TITLE  
**ENLARGED LANDSCAPE PLAN 5**

PEA JOB NO.	2020-0340
P.M.	ESB
DN.	ESB
DES.	ESB
DRAWING NUMBER:	

S:\PROJECTS\2020-0340 PRIYA SENIOR LIVING CAMPUS\DWG\SITE PLANS\L-1.5 LANDSCAPE-2020.dwg



