



Full Size or Largest Size Plans

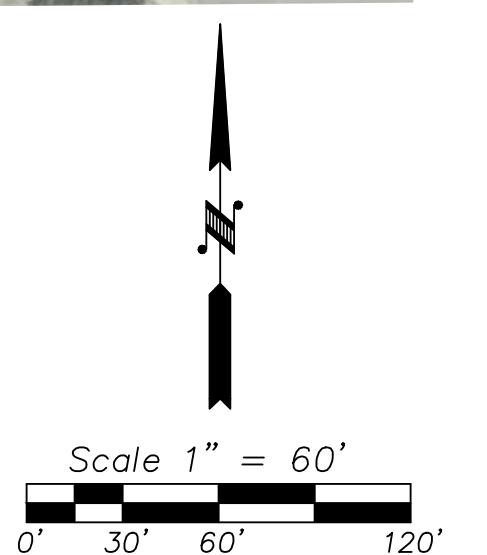
Site Plan

Landscape Plan

Elevations

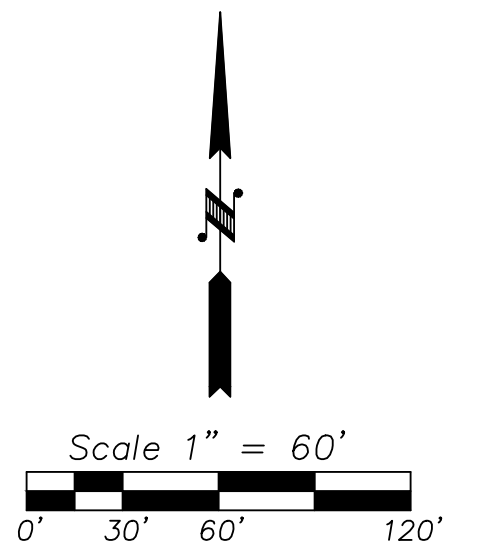


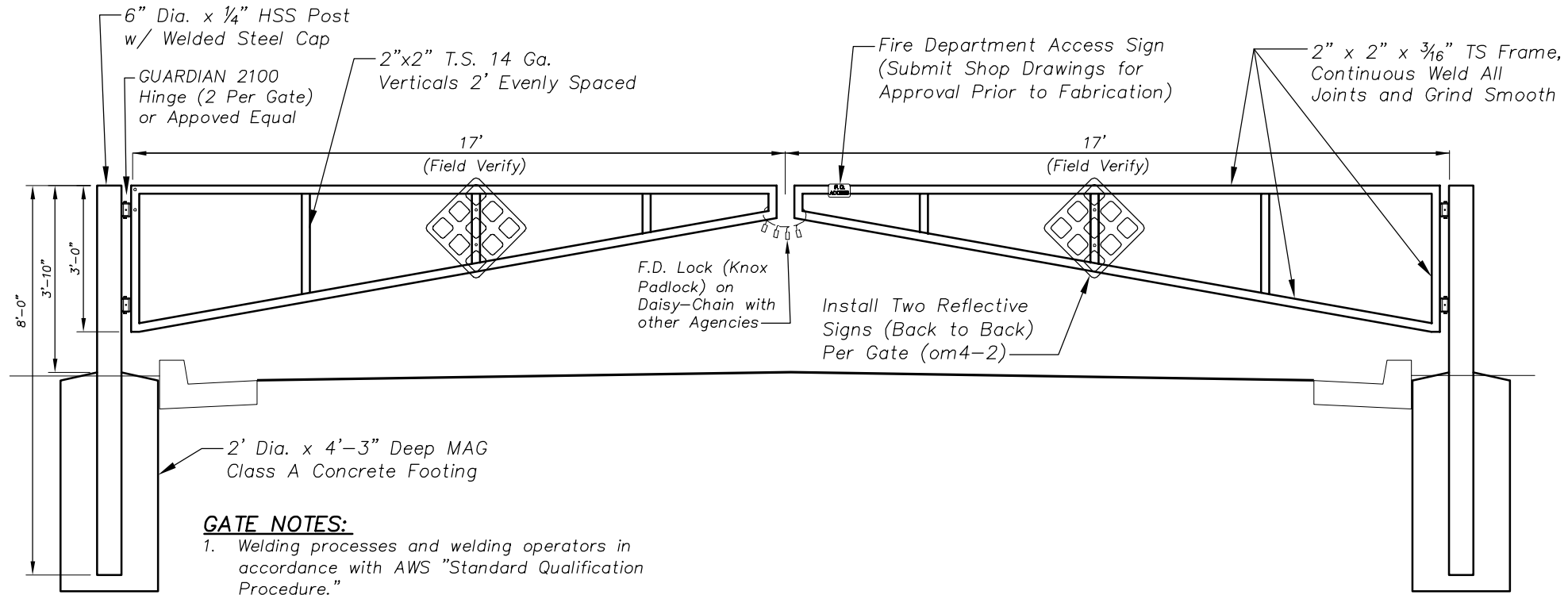
CONCEPT PLAN DC RANCH NEIGHBORHOOD PARK - PHASE 1





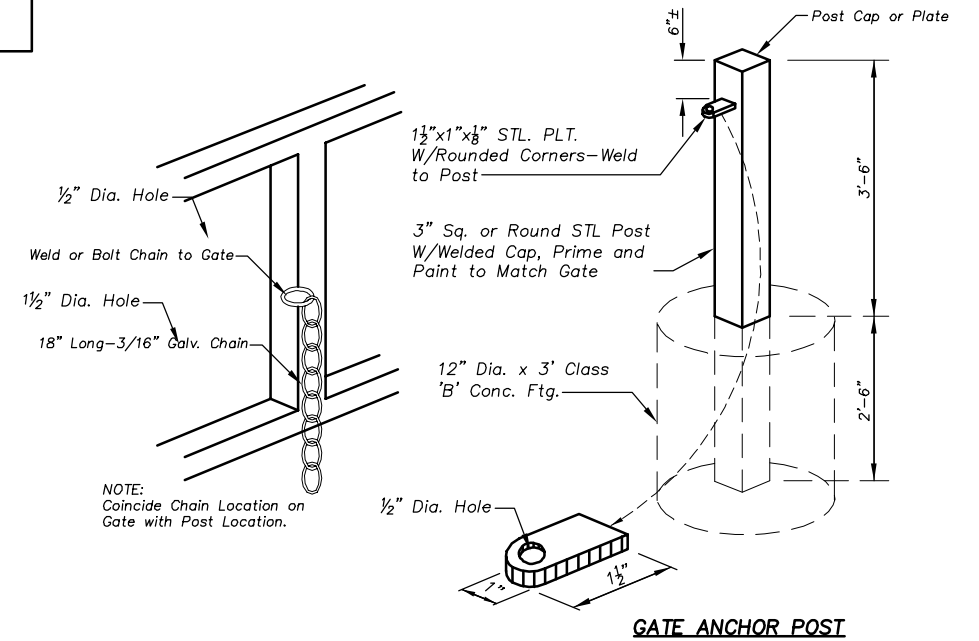
CONCEPT PLAN DC RANCH NEIGHBORHOOD PARK - PHASE 1






GATE NOTES:

1. Welding processes and welding operators in accordance with AWS "Standard Qualification Procedure."
2. All steel to have painted finish per MAG Sect. 530. One coat industrial primer, two coats industrial enamel. Color RAL 1019 (Tan).



DC RANCH NEIGHBORHOOD PARK PHASE 1 - SITE GATE

NTS


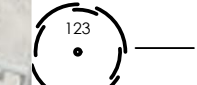






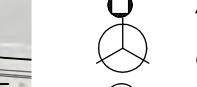
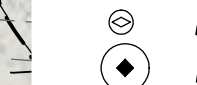



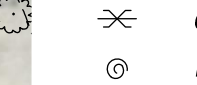





DATE	REVISION	BY
ENGINEER		
 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
Site Gate Detail		
PROJECT TITLE		
CITY OF SCOTTSDALE DC RANCH NEIGHBORHOOD PARK PHASE 1		
SCALE	DESIGNED	DATE
HORIZ.	DRAWN	A5-BUILT
VERT.		
BID NO.		SHT.
PROJECT NO.		OF

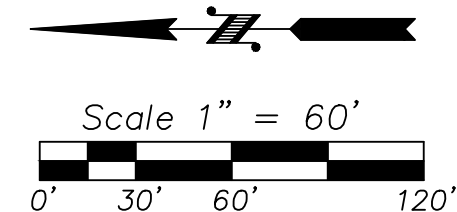
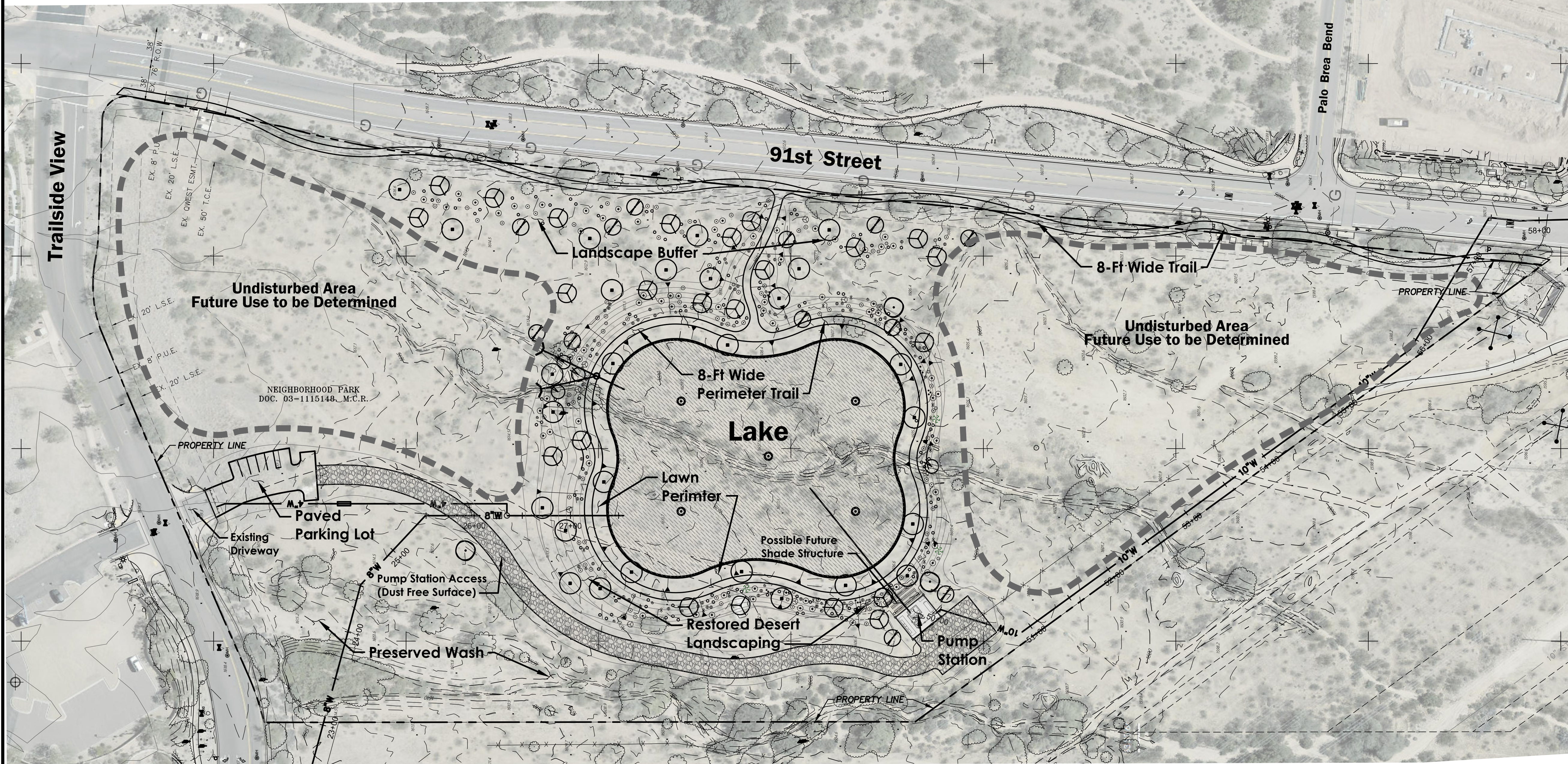
PROPERTY OWNER:
CITY OF SCOTTSDALE
7227 E INDIAN SCHOOL RD,
STE 205
SCOTTSDALE, AZ 85251


CITY OF SCOTTSDALE:
PROJECT MANAGER
JOE PHILLIPS, P.E.
7447 E. INDIAN SCHOOL RD, STE 205
SCOTTSDALE, AZ 85251
jphillips@scottsdaleaz.gov
(480) 861-4823

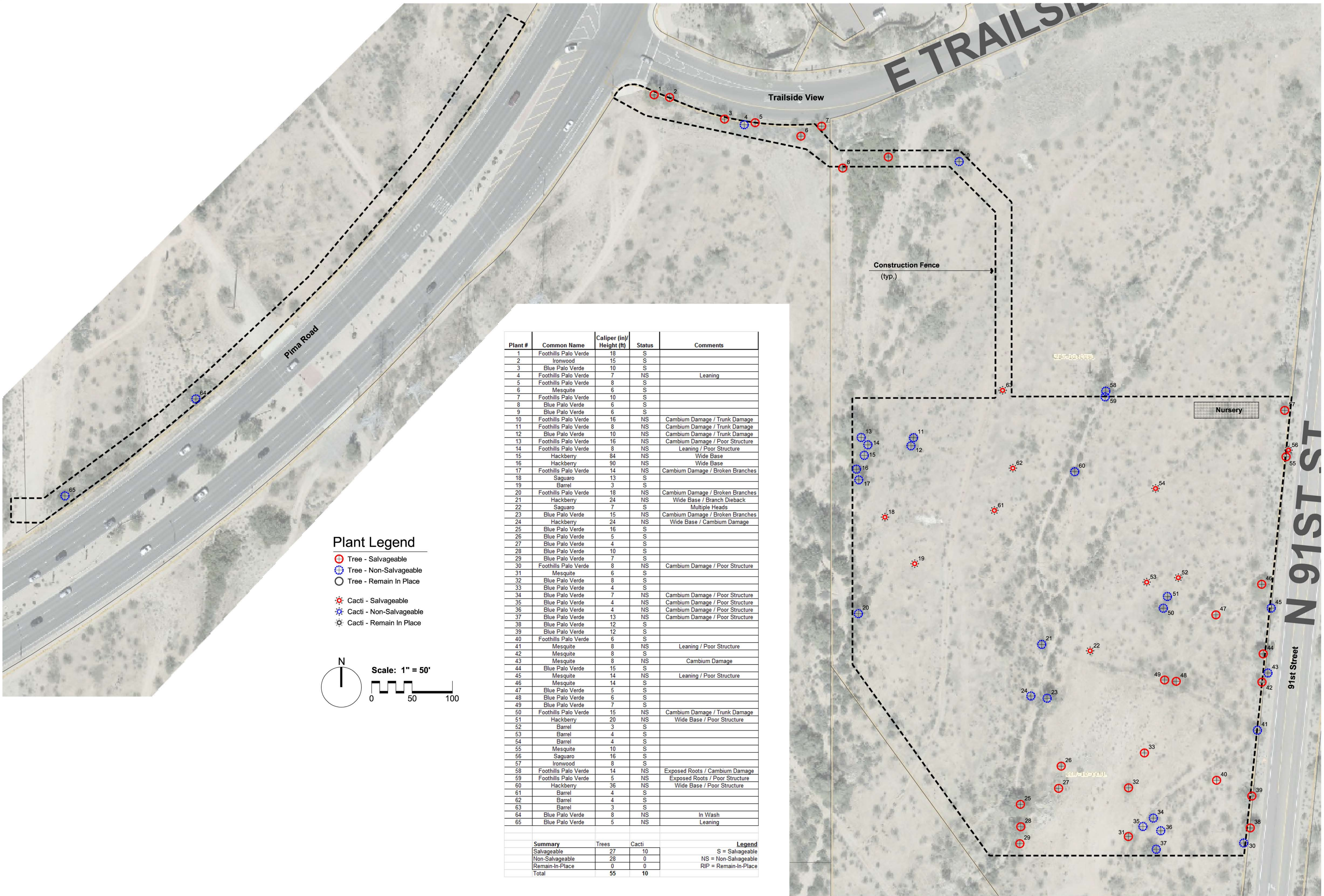
PLANT LIST

SYMBOL BOTANICAL/COMMON NAME:

-  Existing Trees & Shrubs to Remain
- SALVAGED TREES**
-  Prosopis sp. / Native Mesquite
- SALVAGED CACTI**
-  Carnegiea gigantea / Saguaro
-  Ferocactus sp. / Barrel Cactus
- TREES**
-  Chilosis linearis / Desert Willow
-  Parkinsonia florida / Blue Palo Verde
-  Parkinsonia microphyllum / Foothill Palo Verde
-  Olneya tesota / Ironwood
-  Prosopis hyb. / Thornless Mesquite
- SHRUBS**
-  Ambrosia deltoidea / Bursage
-  Calliandra eriophylla / Pink Fairy Duster
-  Encelia farinosa / Brittlebush
-  Ericameria laricifolia / Turpentine Bush
-  Larrea tridentata / Creosote
-  Baileya multiradiata / Desert Marigold
- ACCENTS**
-  Cylindropuntia bigelovii / Teddy-Bear Cholla
-  Opuntia engelmannii / Prickly Pear
-  Ferocactus wislizeni / Barrel Cactus
-  Fouquieria splendens / Ocotillo
- S.G.** Salvaged Surface Granite / Cobble
- ABC** Salvaged Surface Material (2" depth) Over 4" ABC
- Turf

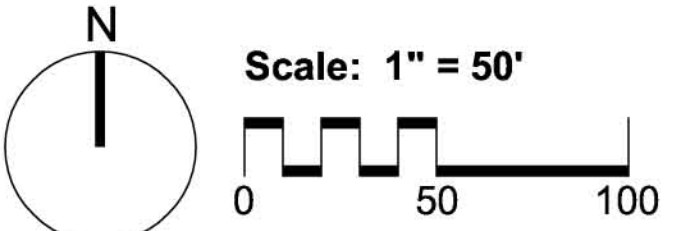


DATE	REVISION	BY
ENGINEER	 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
PRELIMINARY NOT FOR CONSTRUCTION SUBMITTAL		
SHEET TITLE		
LANDSCAPE PLAN		
PROJECT TITLE		
CITY OF SCOTTSDALE DC RANCH NEIGHBORHOOD PARK LAKE AREA		
SCALE	DESIGNED	DATE
HORIZ. 1" = 60'	JEB	11-23-20
VERT.	DRAWN	AS-BUILT
	JDH	
BID NO.	SHT.	
	G3	
PROJECT NO.		
PG09		
		1 of 6



Plant Legend

- ⊕ Tree - Salvageable
- ⊕ Tree - Non-Salvageable
- Tree - Remain In Place
- ⊕ Cacti - Salvageable
- ⊕ Cacti - Non-Salvageable
- Cacti - Remain In Place



Plant #	Common Name	Caliper (in)/ Height (ft)	Status	Comments
1	Foothills Palo Verde	18	S	
2	Ironwood	15	S	
3	Blue Palo Verde	10	S	
4	Foothills Palo Verde	7	NS	Leaning
5	Foothills Palo Verde	8	S	
6	Mesquite	6	S	
7	Foothills Palo Verde	10	S	
8	Blue Palo Verde	6	S	
9	Blue Palo Verde	6	S	
10	Foothills Palo Verde	16	NS	Cambium Damage / Trunk Damage
11	Foothills Palo Verde	8	NS	Cambium Damage / Trunk Damage
12	Blue Palo Verde	10	NS	Cambium Damage / Trunk Damage
13	Foothills Palo Verde	16	NS	Cambium Damage / Poor Structure
14	Foothills Palo Verde	8	NS	Leaning / Poor Structure
15	Hackberry	84	NS	Wide Base
16	Hackberry	90	NS	Wide Base
17	Foothills Palo Verde	14	NS	Cambium Damage / Broken Branches
18	Saguaro	13	S	
19	Barrel	3	S	
20	Foothills Palo Verde	18	NS	Cambium Damage / Broken Branches
21	Hackberry	24	NS	Wide Base / Branch Dieback
22	Saguaro	7	S	Multiple Heads
23	Blue Palo Verde	15	NS	Cambium Damage / Broken Branches
24	Hackberry	24	NS	Wide Base / Cambium Damage
25	Blue Palo Verde	16	S	
26	Blue Palo Verde	5	S	
27	Blue Palo Verde	4	S	
28	Blue Palo Verde	10	S	
29	Blue Palo Verde	7	S	
30	Foothills Palo Verde	8	NS	Cambium Damage / Poor Structure
31	Mesquite	6	S	
32	Blue Palo Verde	8	S	
33	Blue Palo Verde	4	S	
34	Blue Palo Verde	7	NS	Cambium Damage / Poor Structure
35	Blue Palo Verde	4	NS	Cambium Damage / Poor Structure
36	Blue Palo Verde	4	NS	Cambium Damage / Poor Structure
37	Blue Palo Verde	13	NS	Cambium Damage / Poor Structure
38	Blue Palo Verde	12	S	
39	Blue Palo Verde	12	S	
40	Foothills Palo Verde	6	S	
41	Mesquite	8	NS	Leaning / Poor Structure
42	Mesquite	8	S	
43	Mesquite	8	NS	Cambium Damage
44	Blue Palo Verde	15	S	
45	Mesquite	14	NS	Leaning / Poor Structure
46	Mesquite	14	S	
47	Blue Palo Verde	5	S	
48	Blue Palo Verde	6	S	
49	Blue Palo Verde	7	S	
50	Foothills Palo Verde	15	NS	Cambium Damage / Trunk Damage
51	Hackberry	20	NS	Wide Base / Poor Structure
52	Barrel	3	S	
53	Barrel	4	S	
54	Barrel	4	S	
55	Mesquite	10	S	
56	Saguaro	16	S	
57	Ironwood	8	S	
58	Foothills Palo Verde	14	NS	Exposed Roots / Cambium Damage
59	Foothills Palo Verde	5	NS	Exposed Roots / Poor Structure
60	Hackberry	36	NS	Wide Base / Poor Structure
61	Barrel	4	S	
62	Barrel	4	S	
63	Barrel	3	S	
64	Blue Palo Verde	8	NS	In Wash
65	Blue Palo Verde	5	NS	Leaning

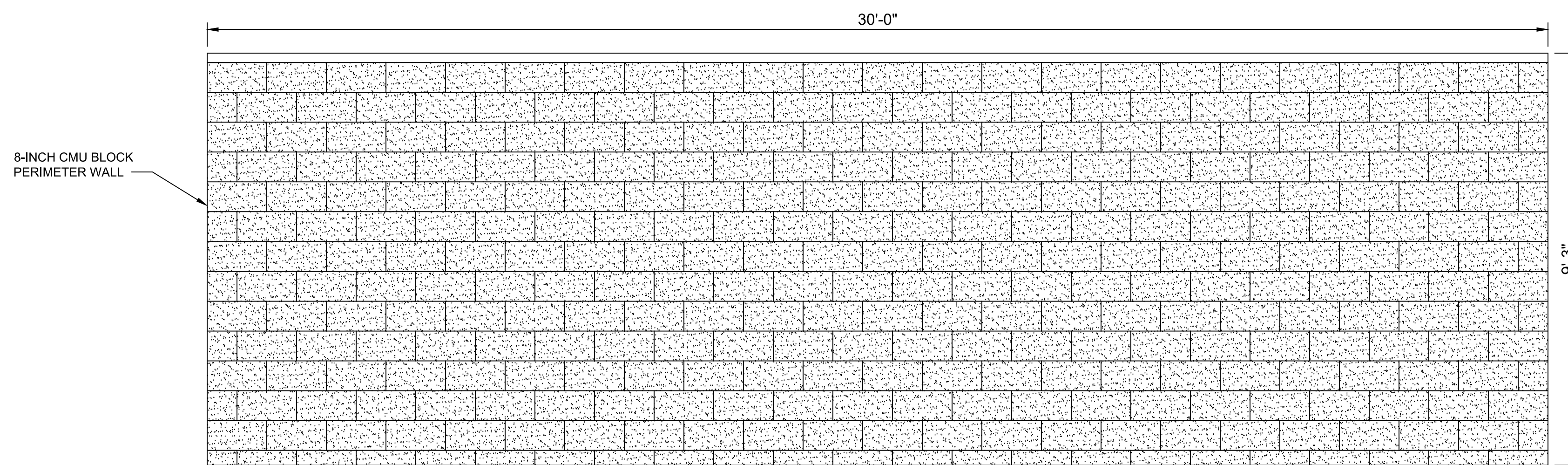
Summary	Trees	Cacti	Legend
Salvageable	27	10	S = Salvageable
Non-Salvageable	28	0	NS = Non-Salvageable
Remain-In-Place	0	0	RIP = Remain-In-Place
Total	55	10	



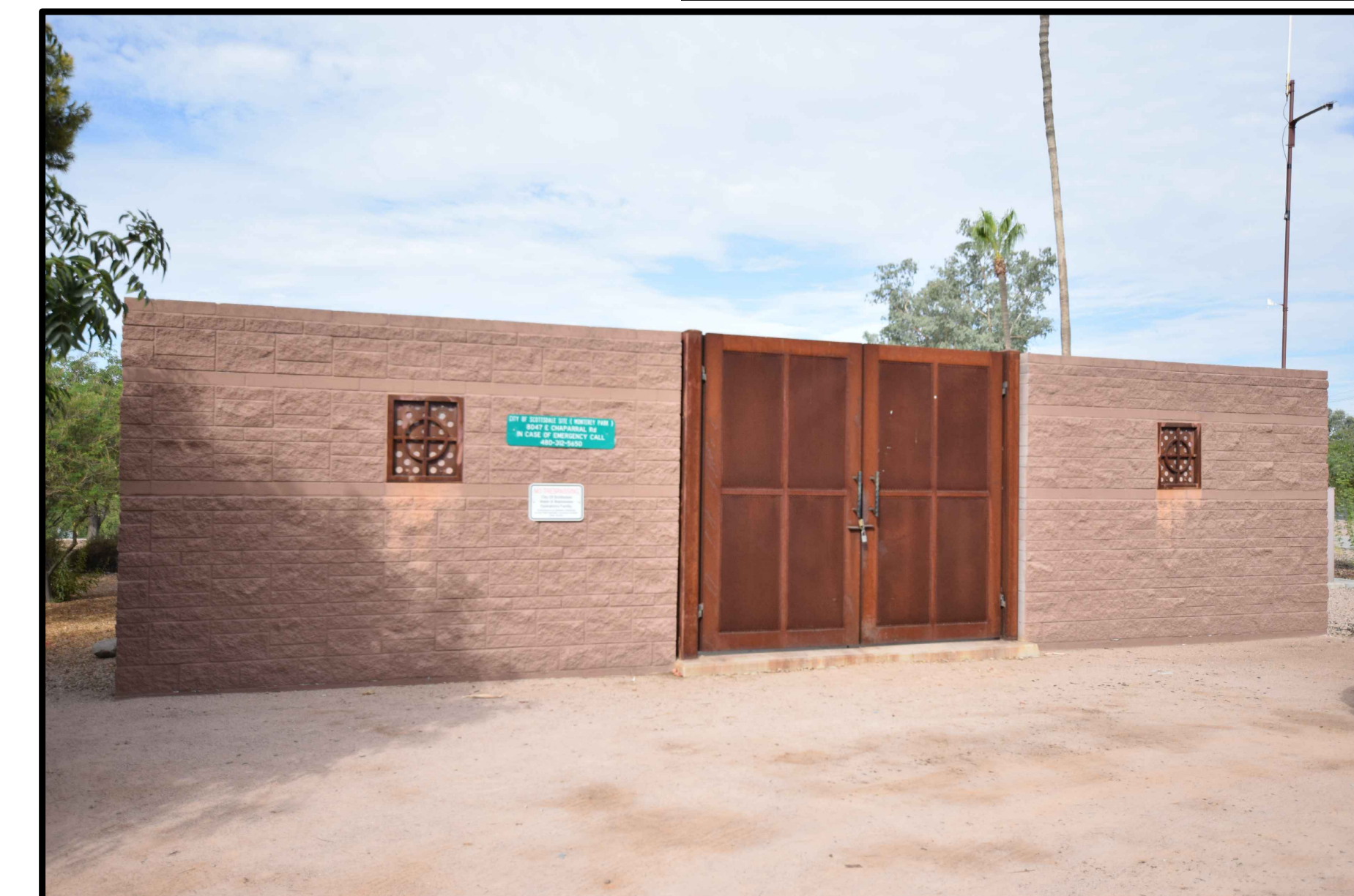
Native Resources Intl.
 1540 W Happy Valley Rd.
 Phoenix, AZ, 85027
 Phone (623) 869-6757
 Fax (623) 869-6769

Trailside & 92nd
 SW of Trailside View & 91st Street
 Scottsdale, Arizona
Native Plant Inventory Plan

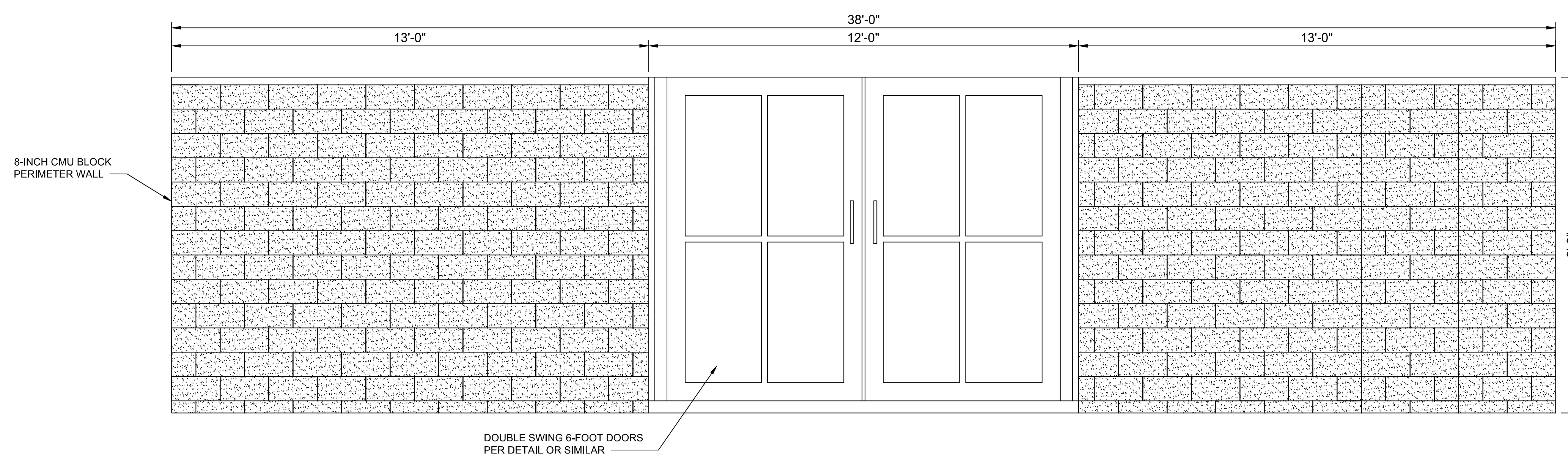
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 REVISION:
 SCALE: 1" = 50'
 CHECKED:
 DRAWN: KB
 SHEET **1** OF 1



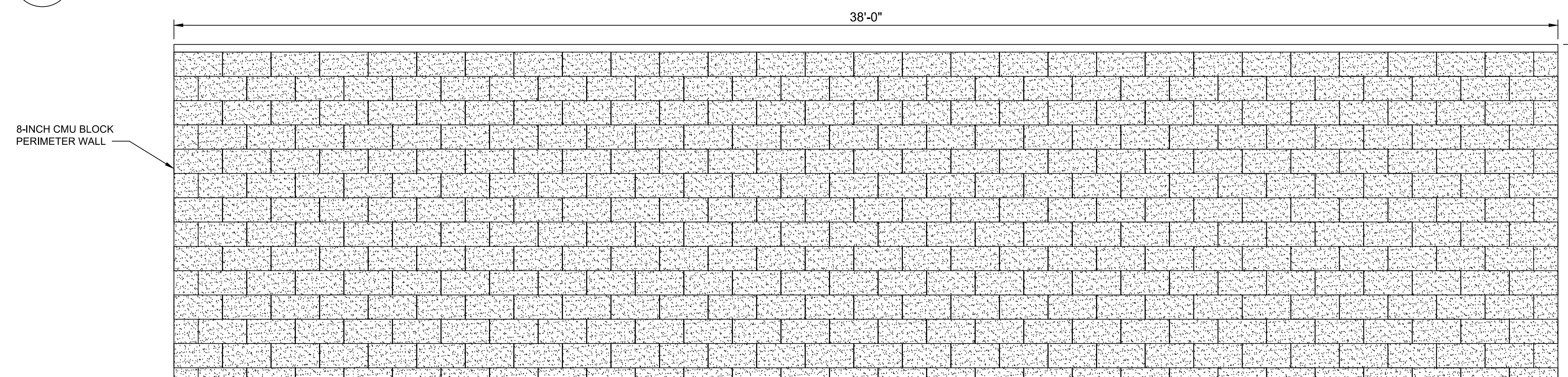
A NORTHWEST AND SOUTHEAST (SIDE) ELEVATIONS



C TYPICAL WALL AND GATE DETAIL



B SOUTHWEST (FRONT) ELEVATION



A NORTHEAST (BACK) ELEVATION



DATE	REVISION	BY
ENGINEER		
MUMSP SUBMITTAL		
PRELIMINARY NOT FOR CONSTRUCTION		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
BUILDING ELEVATIONS		
PROJECT TITLE		
IRRIGATION SUPPLY FOR SPORTS COMPLEX PIPELINE, LAKE, AND PUMP STATION		
SCALE	DESIGNED	DATE
HORIZ. 1"=2'	---	11/20
VERT. ---	DRAWN	AS-BUILT
	---	---
		BID NO.

		PROJECT NO.

		SHT.
		C103
		OF
		--



Job Name:
 HV91 LIFT STATIONS - SCOTTSDALE
 Engineer: Hardwick Engineering (Phoenix)
 Distributor: Graybar Electric Co. Inc (Phoenix)

Catalog Number:
 KAXW LED P2 40K R3 MVOLT (FINISH)
 Notes: SPECIFY FINISH

Type:

A

RCL19-99297

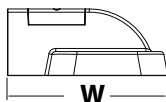
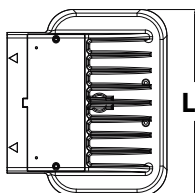


KAXW LED Wall Luminaire



Specifications

Length: 14" (35.6 cm)
Width: 12" (30.5 cm)
Height: 5" (12.7 cm)
Weight (max): 19.7 lbs (8.9 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.

A+ Capable options indicated by this color background.

Ordering Information

SPECIFY FINISH

Series	Performance package	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish (required)
KAXW LED	P1	30K 3000 K	R3 Type 3	MVOLT ¹	Shipped included	Shipped installed	Shipped installed	DDBXD Dark bronze
	P2	40K 4000 K	R4 Type 4	120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 ² 480 ²	(blank) Surface mounting bracket	PER NEMA twist-lock receptacle only (controls ordered separate) ^{3,4} PER5 Five-wire receptacle only (controls ordered separate) ^{5,5} PER7 Seven-wire receptacle only (controls ordered separate) ^{4,5} PIR 180° motion/ambient light sensor, <15' mtg ht ⁶ FAO Field adjustable output ⁷ PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5ft ⁶ PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1ft ⁶ PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1ft ⁶	SF Single fuse (120, 277 or 347V) ⁸ DF Double fuse (208, 240 or 480V) ⁹ HS House-side shield ¹⁰ LCE Left Conduit Entry ¹¹ RCE Right Conduit Entry ¹¹	DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBL BXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone
	P3	50K 5000 K					Shipped separately	BSW Bird-deterrent spikes ¹⁰ EGS External glare shield ¹⁰

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Not available in the P1 performance package.
- Not available with ROAM®. See PER5 or PER7 option.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See Accessories information.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
- Specifies the Sensor Switch MSOD-7-ODP control; see [Outdoor Control Technical Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7. Must specify 120V or 277V. Requires PER or separate on/off.

- Not available with PER5 or PER7 options.
- Must specify 120, 277, or 347V option.
- Must specify 208, 240, or 480V option.
- Also available as a separate accessory; see Accessories information.
- Requires a contractor supplied ½" EMT raintight fitting.
- Requires luminaire to be specified with PER, PER5 or PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹²
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹²
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹²
DSHORT SBK U	Shorting cap
KAXWHS U	House-side shield
KAXWBSW U	Bird-deterrent spikes
KAXWEGS U	External glare shield



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com
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KAXW-LED
 Rev. 02/11/19



Job Name:
 HV91 LIFT STATIONS - SCOTTSDALE
 Engineer: Hardwick Engineering (Phoenix)
 Distributor: Graybar Electric Co. Inc (Phoenix)

Catalog Number:
 KAXW LED P2 40K R3 MVOLT (FINISH)
 Notes: SPECIFY FINISH

Type:
A
 RCL19-99297

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	29W	R3	3,322	1	0	1	115	3,545	1	0	1	122	3,607	1	0	1	124
		R4	3,415	1	0	1	118	3,643	1	0	1	126	3,707	1	0	1	128
P2	49W	R3	5,731	1	0	1	117	6,115	1	0	1	125	6,222	1	0	1	127
		R4	5,891	1	0	1	120	6,285	1	0	1	128	6,396	1	0	1	131
P3	79W	R3	8,852	1	0	1	112	9,445	2	0	2	120	9,611	2	0	2	122
		R4	9,099	2	0	2	115	9,708	2	0	2	123	9,879	2	0	2	125

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).
 * Shaded cells include active dynamic temperature sensing.

Ambient	Lumen Multiplier		
	P1	P2	P3
0°C	1.05	1.05	1.05
10°C	1.03	1.03	1.03
20°C	1.01	1.01	1.01
25°C	1	1	1
30°C	0.99	0.99	0.99
40°C	0.97	0.97	0.93
45°C	0.96	0.96	0.84
50°C	0.95	0.95	0.74

Electrical Load

Package		120V	208V	240V	277V	347V	480V
P1	Current (A)	0.24A	0.14A	0.13A	0.11A		
	System Watts	29W	29W	29W	29W		
P2	Current (A)	0.41A	0.24A	0.21A	0.18A	0.14A	0.11A
	System Watts	49W	48W	48W	48W	47W	47W
P3	Current (A)	0.66A	0.38A	0.33A	0.29A	0.23A	0.17A
	System Watts	79W	78W	78W	78W	77W	76W

Projected LED Lumen Maintenance

Operating Hours	25,000	50,000	100,000
Lumen Maintenance Factor	>0.94	>0.89	>0.80

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)	
		Wire 4/Wire5	Wire 4/Wire5	Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	▲	Wired to dimming leads on driver	▲	Wired to dimming leads on driver
ROAM	✗	✓	Wired to dimming leads on driver	▲	Wired to dimming leads on driver
ROAM with Motion (ROAM on/off only)	✗	▲	Wires Capped inside fixture	▲	Wires Capped inside fixture
Future-proof*	✗	▲	Wired to dimming leads on driver	✓	Wired to dimming leads on driver
Future-proof* with Motion	✗	▲	Wires Capped inside fixture	✓	Wires Capped inside fixture

- ✓ Recommended
- ✗ Will not work
- ▲ Alternate

*Future-proof means: Ability to change controls in the future.



**Job Name:**

HV91 LIFT STATIONS - SCOTTSDALE
 Engineer: Hardwick Engineering (Phoenix)
 Distributor: Graybar Electric Co. Inc
 (Phoenix)

Catalog Number:

KAXW LED P2 40K R3 MVOLT
 (FINISH)

Notes: SPECIFY FINISH

Type:

A

RCL19-99297

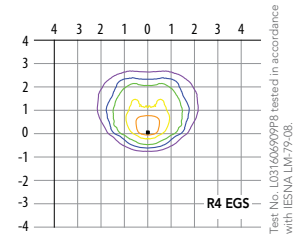
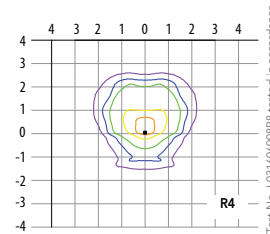
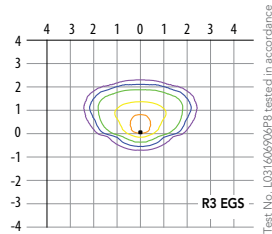
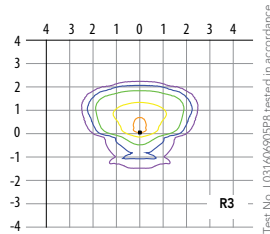
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [KAXW homepage](#).

Isofootcandle plots for the KAXW LED P3 40K. Distances are in units of mounting height (20').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc
- 5.0 fc



FEATURES & SPECIFICATIONS

INTENDED USE

This feature-rich luminaire embodies the highest level of functionality with extraordinary efficacy which maximizes your application efficiency providing high levels of light for minimal cost specifically for building-mounted doorway and pathway illumination on nearly any type of facility.

CONSTRUCTION

The die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. This modular design allows for ease of maintenance and future light engine upgrades. The LED driver is installed in a separate compartment to thermally isolate it from the light engines for low operating temperature and long life. The housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K (minimum 70 CRI) configurations. The KAXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to >L80/100,000 hours). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours.

INSTALLATION

Included wall mount plate facilitates a quick and easy installation. Mounting bolts feature a 1000-hour salt fog finish. Optional bi-level motion sensor and NEMA 3, 5 or 7 pin twist lock photocontrol receptacle are also available.

LISTINGS

CSA Listed for wet locations. Light engines and electrical compartment are IP66 rated. Rated for temperatures as low as -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Submitted by R.C. Lurie Co.



Job Name:

HV91 LIFT STATIONS - SCOTTSDALE
Engineer: Hardwick Engineering (Phoenix)
Distributor: Graybar Electric Co. Inc
(Phoenix)

Catalog Number:

KAXW LED P2 40K R3 MVOLT
(FINISH)

Notes: SPECIFY FINISH

Type:

A

RCL19-99297