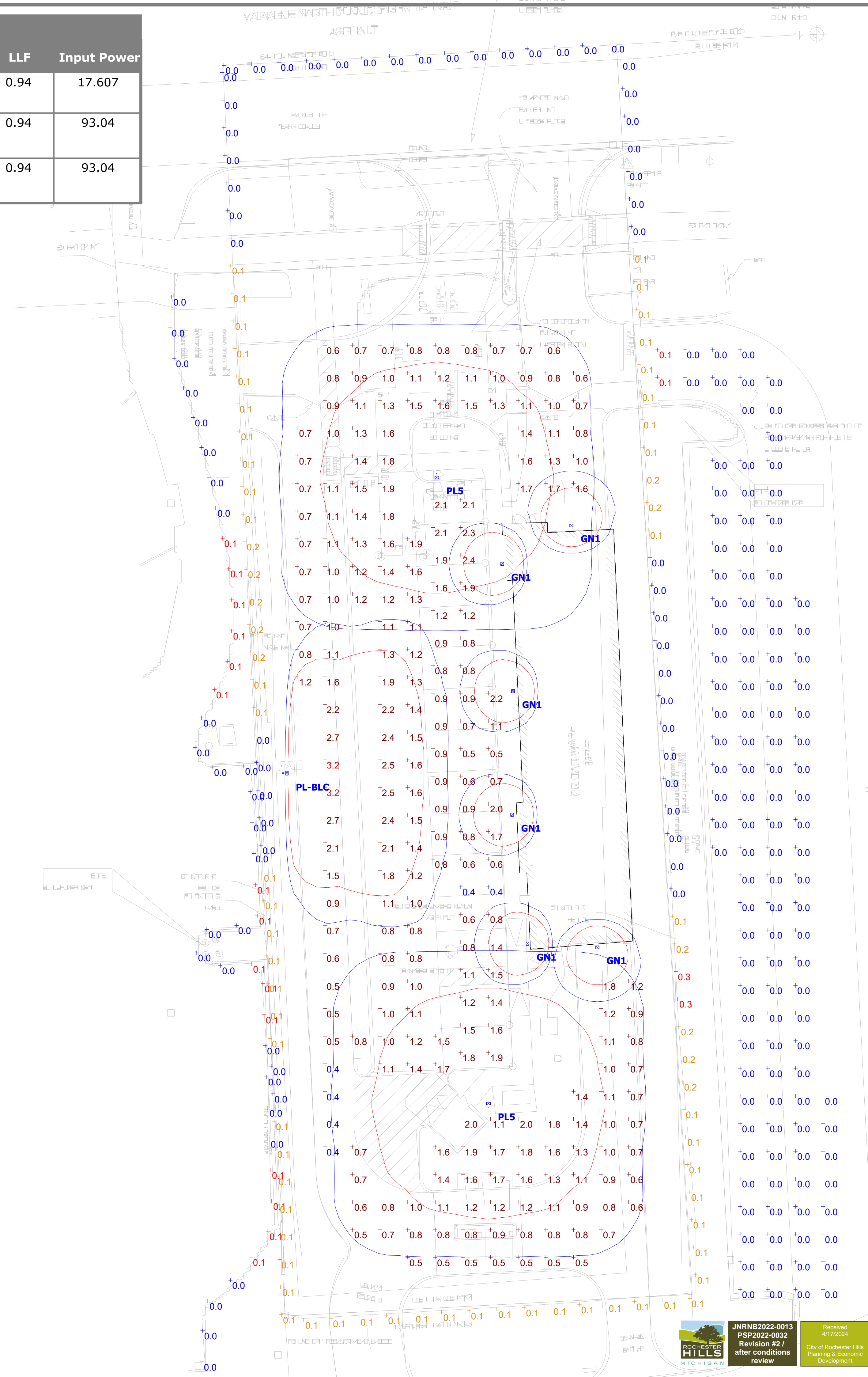


Schedule										
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	
⊗	<b>GN1</b>	6	BOCK LIGHTING	RA12-LED17	LED GOOSENECK FIXTURE	1	900	0.94	17.607	
⊗ □	<b>PL5</b>	2	Lithonia Lighting	DSX0 LED P4 30K 70CRI T5M	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Type 5 Medium	1	11152	0.94	93.04	
⊗ □	<b>PL-BLC</b>	1	Lithonia Lighting	DSX0 LED P4 30K 70CRI BLC3	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Type 3 Extreme Backlight Control	1	7768	0.94	93.04	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE - CULVERS	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
PROPERTY LINE - PENNZOIL	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
PROPERTY LINE - PERIMETER	+	0.1 fc	0.3 fc	0.0 fc	N/A	N/A
VACUUM & PARKING SPACES	+	1.2 fc	2.4 fc	0.4 fc	6.0:1	3.0:1
DRIVING LANES	+	1.2 fc	3.2 fc	0.4 fc	8.0:1	3.0:1

**Note**

1. POLE LIGHTS MOUNTED AT 17' AFG
2. 15' POLE ON A 2' POLE BASE
3. GOOSENECK WALL SCONCES MOUNTED AT 10' AFG



**CLEAN EXPRESS CAR WASH - ROCHESTER HILLS, MI**  
**SITE LIGHTING LAYOUT**

LSoc Contact:  
Scott Fenton  
Date  
08/25/2023  
Summary  
REV 6

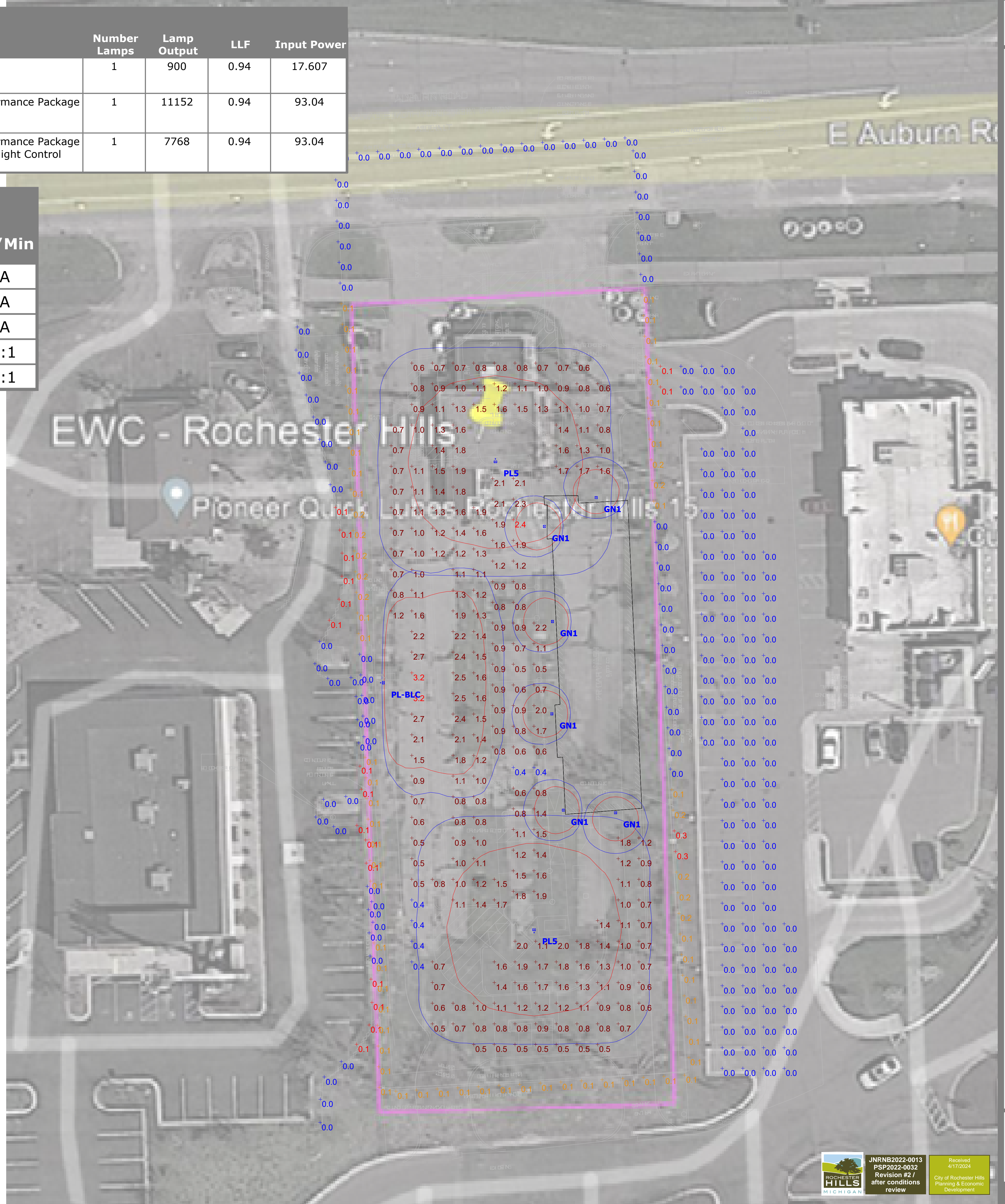
JNRRB2022-0013  
PSP2022-0032  
Revision #21  
after conditions  
review  
City of Rochester Hills  
Planning & Economic  
Development

Schedule										
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	
☒	<b>GN1</b>	6	BOCK LIGHTING	RA12-LED17	LED GOOSENECK FIXTURE	1	900	0.94	17.607	
☒ □	<b>PL5</b>	2	Lithonia Lighting	DSX0 LED P4 30K 70CRI T5M	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Type 5 Medium	1	11152	0.94	93.04	
☒ □	<b>PL-BLC</b>	1	Lithonia Lighting	DSX0 LED P4 30K 70CRI BLC3	D-Series Size 0 Area Luminaire P4 Performance Package 3000K CCT 70 CRI Type 3 Extreme Backlight Control	1	7768	0.94	93.04	

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PROPERTY LINE - PERIMETER	+	0.1 fc	0.3 fc	0.0 fc	N/A	N/A
VACUUM & PARKING SPACES	+	1.2 fc	2.4 fc	0.4 fc	6.0:1	3.0:1
DRIVING LANES	+	1.2 fc	3.2 fc	0.4 fc	8.0:1	3.0:1

**Note**

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2. 15' POLE ON A 2' POLE BASE
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**CLEAN EXPRESS CAR WASH - ROCHESTER HILLS, MI  
SITE LIGHTING LAYOUT**



### RSX2 LED Area Luminaire



Catalog Number \_\_\_\_\_

Notes \_\_\_\_\_

Type \_\_\_\_\_

#### Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral splitter and other mounting configurations are available.

#### Specifications

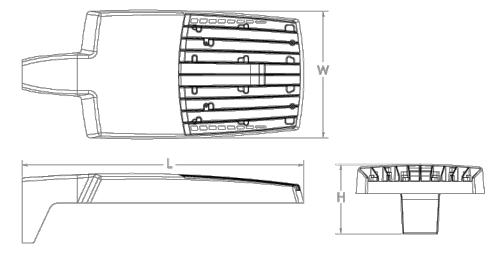
EPA (ft<sup>2</sup>@0°): 0.69 ft<sup>2</sup> (0.06 m<sup>2</sup>)

Length: 29.3" (74.4 cm) (SPA mount)

Width: 13.4" (34.0 cm)

Height: 3.0" (7.6 cm) Main Body  
7.2" (18.3 cm) Arm

Weight: (SPA mount) 30.0 lbs (13.6 kg)



#### Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

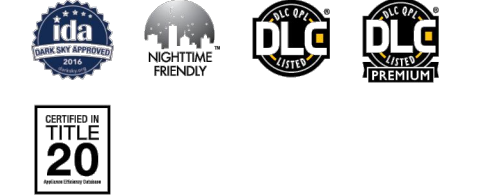
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1	30K 3000K	R2	120V 277V <sup>1</sup>	SPA Square pole mounting (10" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3	120V 277V <sup>1</sup>	RPA Round pole mounting (1.2" min. dia. RH pole for 2, 3, 4 at 90°, 3.0" min. dia. RH pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S	120V 277V <sup>1</sup>	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4		IS Adjustable splitter (fits 2-3/8" OD tenon) <sup>4</sup>
	P5		BA5		WBA Wall bracket <sup>1</sup>
	P6		RS	208 <sup>2</sup> 347 <sup>2</sup>	WBASC Wall bracket with surface conduit box
			AFR	240 <sup>3</sup> 480 <sup>3</sup>	AASP Adjustable 90° arm square pole mounting <sup>4</sup>
			AFR890		AARP Adjustable 90° arm round pole mounting <sup>4</sup>
			AFR190		AANW Adjustable 90° arm with wall bracket <sup>4</sup>
					AANWC Adjustable 90° arm wall bracket and surface conduit box <sup>4</sup>

Options	Finish
<b>Shipped Installed</b> HS House-side shield <sup>1</sup> PE Photocell, button style <sup>10</sup> PEK Photocell, external shield, adjustable <sup>10</sup> PER Seven-wire NEMA-3P receptacle only (no control) <sup>10,11</sup> CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) <sup>1</sup> DF Double fuse (208, 240, 480) <sup>1</sup> SPD6KV 20KV surge pack (10KV standard) FAO Field adjustable output <sup>11</sup> DMG 0-10V dimming preset out back of housing for external control (control ordered separately) <sup>11</sup> DS Dual switching <sup>11</sup>	DDBXD Dark Bronze DBLXD Black DNALXD Natural Aluminum DSWXD White DDBTDX Textured Dark Bronze DDLBTD Textured Black DNALTXD Textured Natural Aluminum DWHCXD Textured White
<b>Shipped Separately (requires some field assembly)</b> E65 External glare shield <sup>4</sup> E65V External glare fall riser (360° around light aperture) <sup>4</sup> BS Blot spikes <sup>11</sup>	

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### ARC2 LED Architectural Wall Luminaire



Catalog Number \_\_\_\_\_

Notes \_\_\_\_\_

Type \_\_\_\_\_

#### Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

#### Specifications

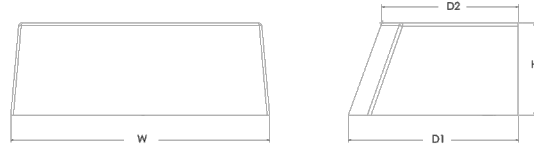
Depth (D1): 9.25"

Depth (D2): 7.5"

Height: 5"

Width: 14"

Weight: (without options) 11 lbs



#### ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, 20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	—	1,500	2,000	3,000	—	—
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

#### Ordering Information

EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC2 LED	P1	30K 3000K	120V 277V <sup>1</sup>	EAWH Emergency battery backup, EEC compliant (4W, 0°C min) <sup>1</sup>	DDBXD Dark Bronze
	P2	40K 4000K	120V 277V <sup>1</sup>	EBWC Emergency battery backup, EEC compliant (8W, -20°C min) <sup>1</sup>	DBLXD Black
	P3	50K 5000K	120V 277V <sup>1</sup>	PE Button-type photocell for dusk-to-dawn operation	DNALXD Natural Aluminum
	P4			DMG 0-10V dimming when pulled outside fixture (for use with an external control, ordered separately) <sup>11</sup>	DWHXD White
	P5			SPD6KV 6KV surge protection <sup>1</sup>	DBBTD Textured dark bronze
				FAO Field adjustable light output device. Allow for easy adjustment to the desired light levels, from 20% to 100% <sup>1</sup>	DNALTXD Textured natural aluminum
					DSWXXD Textured white

Accessories	
W8W DDBXD	Surface-mounted back box (per 90° finish)

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#### FEATURES & SPECIFICATIONS

**INTENDED USE** — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

**CONSTRUCTION** — Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable grade, hot rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 1190), or 50 KSI (0-gauge, 1193). Shaft is one piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

**Pole Top:** A flush non-metallic black top cap is provided for all poles that will receive drilling patterns for side-mount luminaire arm assemblies or when ordered with FT option.

**Handhole:** A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

**Base Cover:** A durable ABS plastic two-piece full base cover finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

**Anchor Base/ Bolts:** Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 1.7") hot-dipped galvanized per ASTM A-153.

**HARDWARE** — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc plated carbon steel or stainless steel.

**FINISH** — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors. Classic finishes include Sandstone, Charcoal Gray, Terra Green, Bright Red and Steel Blue colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Hot-dipped Galvanized, Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. Factory-applied primer paint finish is available for customer field-paint applications.

**BUY AMERICAN** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**INSTALLATION** — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claims for incorrect on-site placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**NOTE:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number \_\_\_\_\_

Notes \_\_\_\_\_

Type \_\_\_\_\_

#### Anchor Base Poles

# SSS

SQUARE STRAIGHT STEEL



See features next page. POLE-SSS

NOT TO BE USED AS CONSTRUCTION DRAWINGS

NO.	DATE	BY	DESCRIPTION

607 SHELBY ST.  
ANN ARBOR, MI 48106  
TEL: 313.963.9500  
FAX: 313.961.9509

PROJECT DATE: 12/02/2022  
PROJECT NO: MSP90020  
DRAWN BY: ESP  
CHECKED BY: MIM

TECHNICAL SKILL.  
CREATIVE SPIRIT.

**Mannik Smith GROUP**  
www.MannikSmithGroup.com

PREPARED FOR:

**EXPRESS WASH CONCRETE**  
13375 NATIONAL ROAD SW  
ETNA, OHIO 43068

SITE PLAN FOR

**CLEAN EXPRESS CAR WASH**

10 E AUBURN ROAD  
ROCHESTER HILLS, MI 48307

SITE LIGHTING DETAILS

3

**MICHIGAN Utility Notification CENTER**

811

811 or 1-800-482-7171  
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ROCHESTER HILLS MICHIGAN

JNRNB2022-0013  
PSP2022-0032  
Revision #2 / after conditions review

Received 4/17/2024  
City of Rochester Hills Planning & Economic Development

# CLEAN

EXPRESS AUTO WASH

10 E Auburn Rd,  
Rochester Hills, MI 48307

New-Build Project  
Concept Elevation Package

08.25.2023





EAST

WEST





NORTH



SOUTH