PRELIMINARY ENGINEERING

FOR

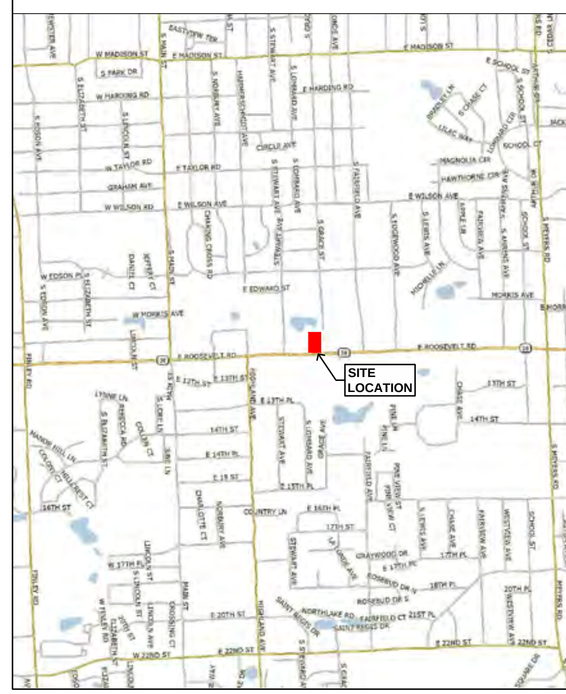
CAR WASH FACILITY

AT

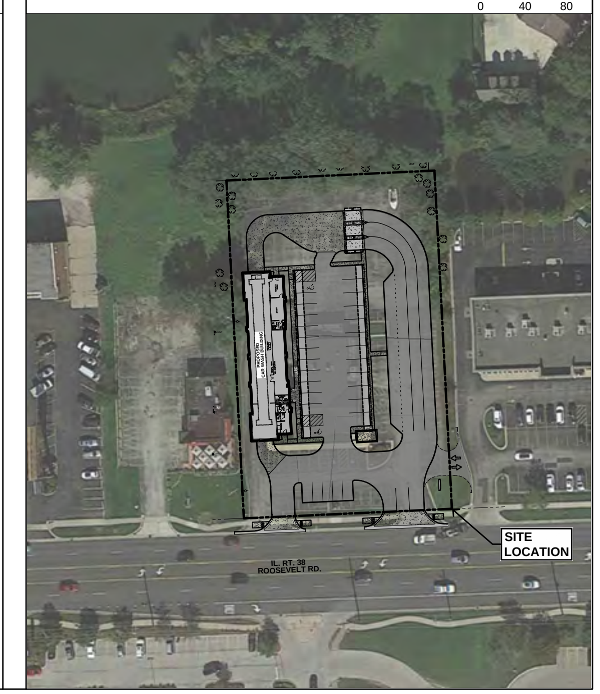
352 E. ROOSEVELT ROAD
LOMBARD, IL 60148

LOCATION MAPS

REGIONAL MAP — NOT TO SCALE



AERIAL — SCALE: 1"=80' (0, 40, 80)



LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER		
STORM SEWER		
COMBINED SEWER		
WATERMAIN	W	W
GAS	GAS	G
TELEPHONE	T	T
ELECTRIC	E	E
OVER HEAD WIRE	OHW	OHW
CURB		
FENCE		
STORM CATCHBASIN OR MANHOLE, OPEN GRATE		
SANITARY MANHOLE OR STORM MANHOLE, CLOSED LID		
INLET & FLARED END SECTION		
SEWER CLEANOUT		
FIRE HYDRANT & VALVE VAULT		
SIAMESE CONNECTION & B-BOX		
WATER METER VAULT	M	M
GAS VALVE		
LIGHTS		
UTILITY POLE & GUY ANCHOR		
DRAINAGE ARROWS		
ELEVATIONS	XXX.XX	XXX.XX
TOP OF CURB EDGE OF PAVEMENT	XXX.XX XXX.XX	XXX.XX XXX.XX
TOP OF CURB TOP OF DEPRESSED CURB EDGE OF PAVEMENT	XXX.XX XXX.XX XXX.XX	XXX.XX XXX.XX XXX.XX
OVERLAND OVERFLOW		
SOIL BORINGS	N/A	B-X
TRAFFIC SIGN		
TRAFFIC ARROW		
PARKING STALL COUNT		
CONCRETE		

MAIL BOX		MEASURED	50.00'
TRAFFIC SIGNAL BOX		RECORD/DEED	(50.00')
TRAFFIC SIGNAL		POINT OF COMMENCEMENT	P.O.C.
TELEPHONE BOX		POINT OF BEGINNING	P.O.B.
FOUND IRON PIPE		ARC	A
SET IRON PIPE		RADIUS	R
FOUND IRON ROD		CHORD BEARING	CHDBRG
SET IRON ROD		POINT OF CURVATURE	P/C
FOUND CUT CROSS		POINT OF TANGENCY	P/T
SET CUT CROSS		TOP OF FOUNDATION	T/F
FOUND P.K. NAIL		FINISHED FLOOR	F/F
SET P.K. NAIL		TOP OF CURB	T/C
FOUND CONCRETE MONUMENT		BACK OF CURB	BOC
SET CONCRETE MONUMENT		FACE OF CURB	FOC
		EDGE OF PAVEMENT	EOP
		PROPERTY LINE	PL

ALL DIMENSIONS, COORDINATES, AND PROPOSED GRADES ARE REFERENCED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
OPEN SYMBOLS AND DASHED LINES INDICATE EXISTING CONDITIONS

BENCHMARKS:

TO BE DETERMINED

SURVEYED BY:

TO BE DETERMINED

OPERATES 24 HOURS
A DAY 365 DAYS A YEAR

Call Before You Dig
JULIE
ILLINOIS
ONE CALL SYSTEM

CALL JULIE TOLL FREE
1(800) 892-0123
48 HOURS BEFORE
YOU DIG

UTILITIES CONTACTS

THE CONTRACTOR FOR ALL CONTRACTS SHALL NOTIFY:

NAME (description)	PHONE NUMBER	CONTACT PERSON
ComEd (electricity)		
Peoples Energy (natural gas)		
AT&T (telephone)		

PRIOR TO BEGINNING ANY CONSTRUCTION, SAID COMPANIES SHALL ESTABLISH ON THE GROUND, THE LOCATION OF UNDERGROUND PIPES, CONDUITS, OR CABLES ADJOINING OR CROSSING PROPOSED CONSTRUCTION.

PERMIT AGENCIES

AGENCY	APPLICATION #	PERMIT #	DATE ISSUED
VILLAGE OF LOMBARD			
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY - WATER POLLUTION CONTROL			
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY - NOTICE OF INTENT			
ILLINOIS DEPARTMENT OF TRANSPORTATION			

NOT FOR CONSTRUCTION
PENDING PERMIT REVIEW

INDEX OF SHEETS

PREPARED FOR:

CAR WASH Pro Designers
Design. Development. Consulting

PREPARED BY:

TERRA CONSULTING GROUP, LTD.
TERRALTD.COM
600 Busse Highway
Park Ridge, IL 60068
Ph: 847-698-6400

IL LICENSE #184.004548 EXP. 04/30/2021

SUBMITTALS AND REVISIONS

No.	DESCRIPTION	DATE

PRELIMINARY ENGINEERING

FOR

CAR WASH FACILITY

352 E ROOSEVELT RD.
LOMBARD, IL 60148

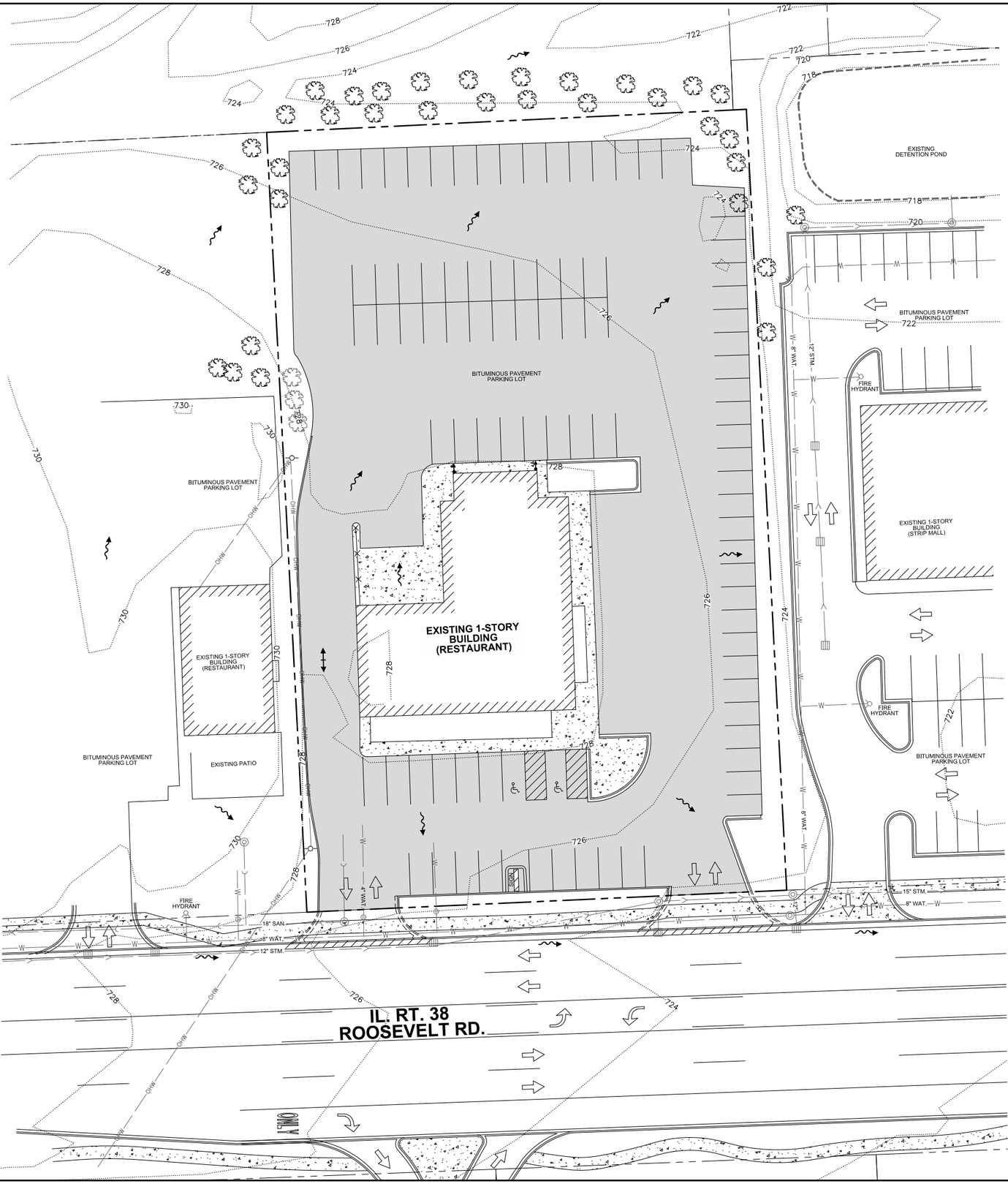
DESIGNED BY:	M.S.E.
DRAWN BY:	K.S.B.
DATE:	12/18/2020
PROJECT #:	1564

SHEET TITLE

TITLE SHEET

SHEET NUMBER

C-1



N

0 10' 20' 40'

SCALE: 1" = 20'

EXISTING LOT DATA:

ADDRESS:	352 E ROOSEVELT RD. LOMBARD, IL 60148
PIN#:	0617316007
ACREAGE:	TOTAL = 1.31 ± (FROM DuPAGE COUNTY GIS)
ZONING:	B4A - ROOSEVELT ROAD CORRIDOR DISTRICT

NOTES:

1. PROPERTY LINE DATA SHOWN WAS DOWNLOADED FROM DUPAGE COUNTY ILLINOIS GIS.
2. EXISTING IMPROVEMENTS & CONTOURS SHOWN WAS DRAWN FROM DUPAGE COUNTY AND GOOGLE AERIALS.
3. THIS PLAN IS A CONCEPTUAL PLAN NOT FOR CONSTRUCTION.
4. SANITARY, STORM AND WATERMAIN SHOWN WAS DRAWN FROM THE VILLAGE OF LOMBARD'S UTILITY ATLAS.

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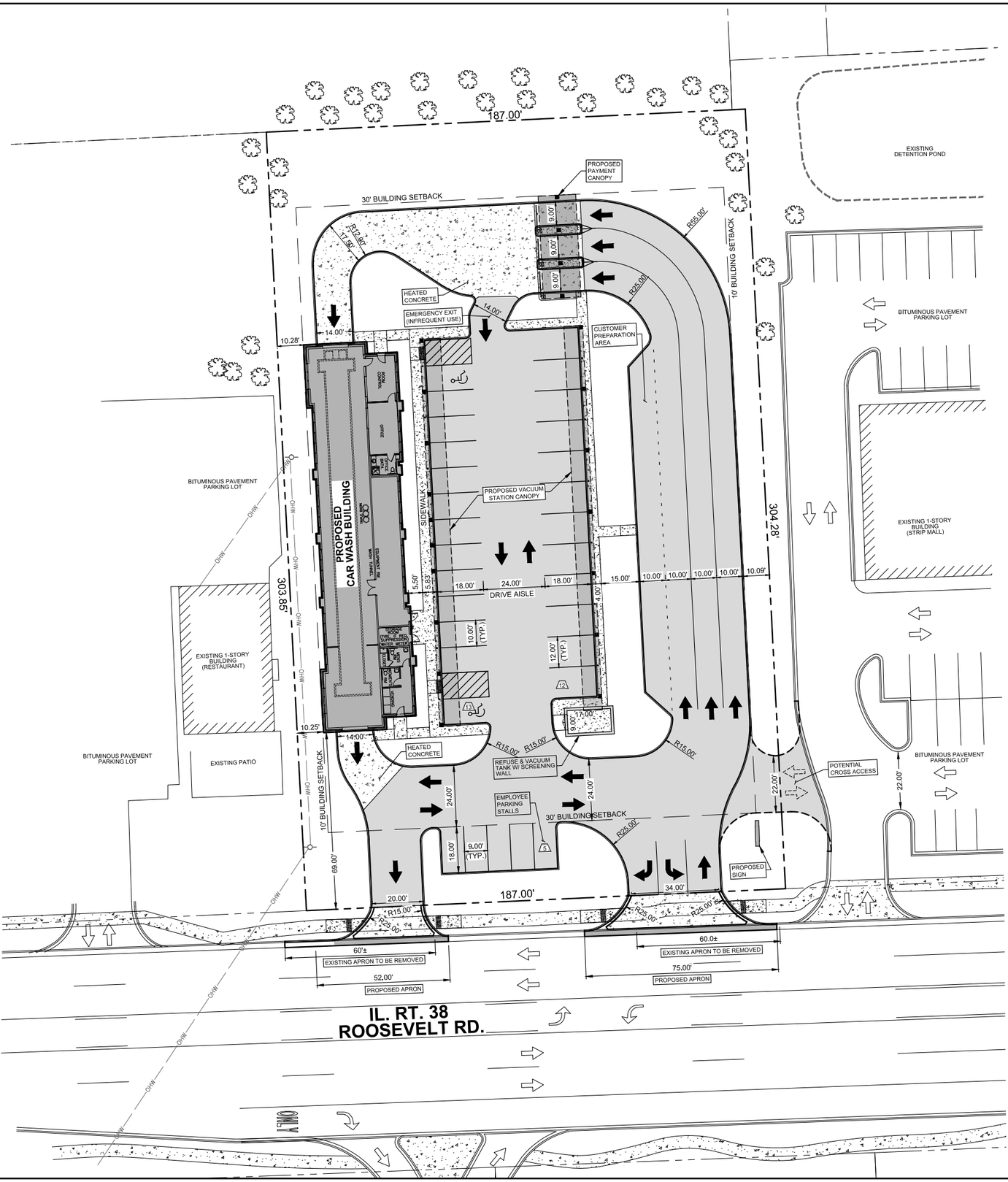
PROJECT #:	1564

SHEET TITLE

EXISTING CONDITIONS

SHEET NUMBER

C-2



PARKING SUMMARY:

EMPLOYEE STALLS:	5
ADA / VACUUM STALLS:	2
VACUUM STALLS:	23
TOTAL STALLS:	30

SITE DATA:

TOTAL PROPERTY AREA	= 1.305 AC
EXISTING IMPERVIOUS AREA	= 1.214 AC (93%)±
EXISTING PERVIOUS AREA	= 0.091 AC (7%)±
PROPOSED (POST CONSTRUCTION) CONDITIONS:	
IMPERVIOUS AREA	= 0.817 AC (63%)
PROPOSED PERVIOUS AREA	= 0.488 AC (37%)

LEGEND

- PARKING STALLS IN EACH ROW
- PAINTED ACCESSIBILITY SYMBOL
- PROPOSED B-6 CONCRETE BARRIER CURB
- DIRECTIONAL TRAFFIC ARROW
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE

NOTES:

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PRELIMINARY ENGINEERING

FOR

CAR WASH FACILITY

**352 E ROOSEVELT RD.
LOMBARD, IL 60148**

DESIGNED BY:	M.S.E.
DRAWN BY:	K.S.B.
DATE:	12/18/2020
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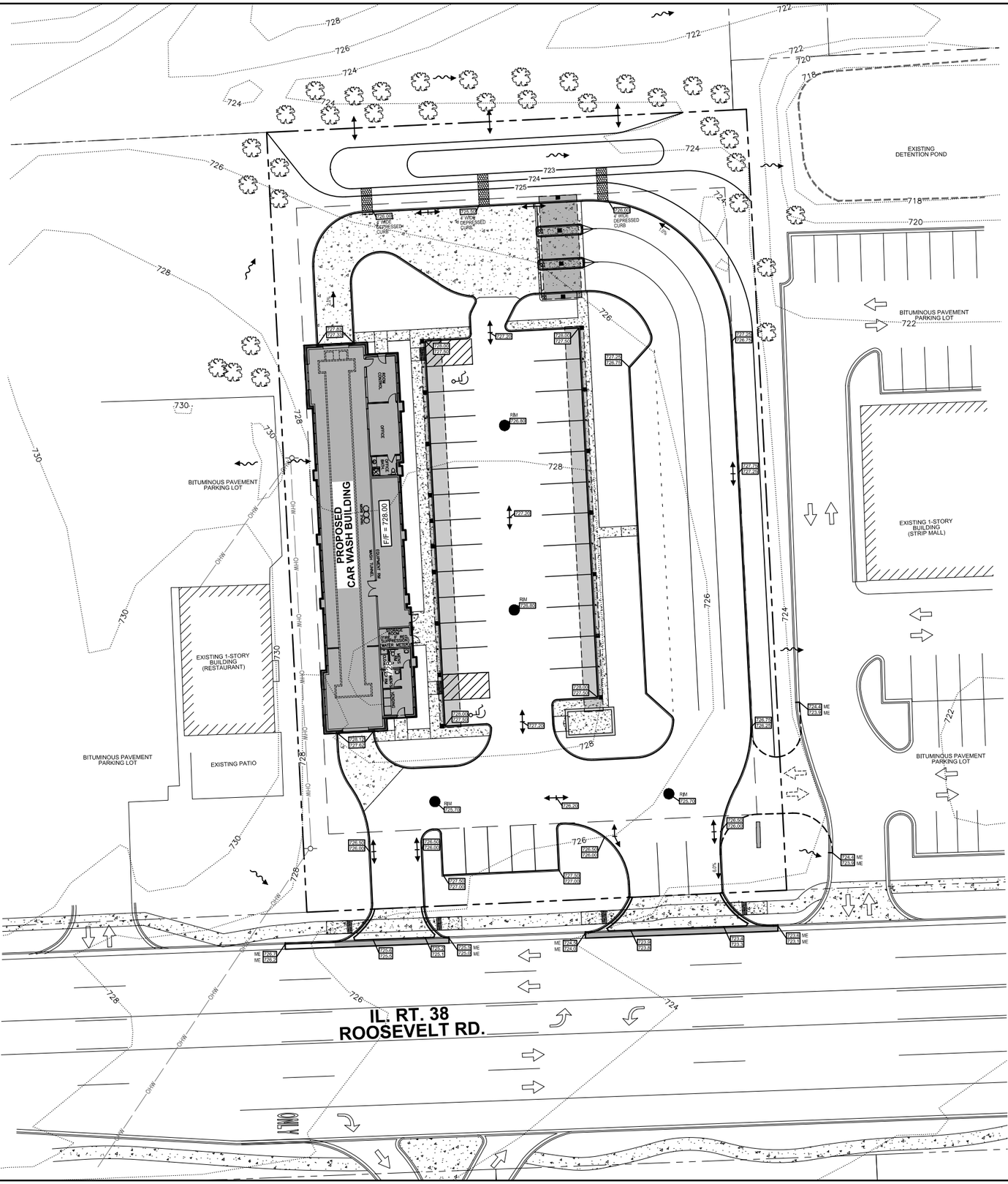
SHEET TITLE

GEOMETRIC PLAN

SHEET NUMBER

C-3



N

0 10' 20' 40'

SCALE: 1" = 20'

STORMWATER DATA:

DISTURBED AREA	= 1.305 AC
EXISTING IMPERVIOUS AREA	= 1.214 AC
PROPOSED IMPERVIOUS AREA	= 0.817 AC

DETENTION IS NOT REQUIRED.

PER DUPAGE COUNTY STORMWATER ORDINANCE, ARTICLE IX, SECTION 15-72 SITE RUNOFF STORAGE FACILITIES ARE NOT REQUIRED WHEN COMPARING THE IMPERVIOUS AREA OF THE PRE-DEVELOPMENT DEVELOPMENT SITE AS IT EXISTED AS OF FEBRUARY 15, 1992 TO THE WITH-DEVELOPMENT IMPERVIOUS AREA OF THE SAME DEVELOPMENT SITE, AND THE IMPERVIOUS AREA HAS NOT INCREASED.

PCBMPS ARE NOT REQUIRED.

PER DUPAGE COUNTY STORMWATER ORDINANCE, ARTICLE VIII, SECTION 15-63 - PCBMPS, ALSO INCLUDES VCBMPS, ARE REQUIRED ON-SITE TO TREAT STORMWATER RUNOFF FOR POLLUTANTS OF CONCERN AND REDUCE RUNOFF VOLUME FOR ALL DEVELOPMENTS WITH 2,500 SQUARE FEET OR MORE NET NEW IMPERVIOUS AREA COMPARED TO PREDEVELOPMENT CONDITIONS.

LEGEND

- XXX.XX — PROPOSED ELEVATION
- XXX.XX / XXX.XX — TOP OF CURB ELEVATION / EDGE OF PAVEMENT ELEVATION
- XXX.XX EX — EXISTING ELEVATION
- XXX.XX ME — PROPOSED ELEVATION TO MATCH EXISTING ELEVATION
- EXISTING FLOW DIRECTION
- PROPOSED GROUND DRAINAGE FLOW DIRECTION (SUMMIT, DRAINAGE DIRECTION)
- PROPOSED STORM MANHOLE WITH SOLID LID.
- PROPOSED STORM MANHOLE OR CATCH BASIN WITH OPEN GRATE.
- PROPOSED FLARED END SECTION
- OVERFLOW PATH

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DRAWN BY:	K.S.B.
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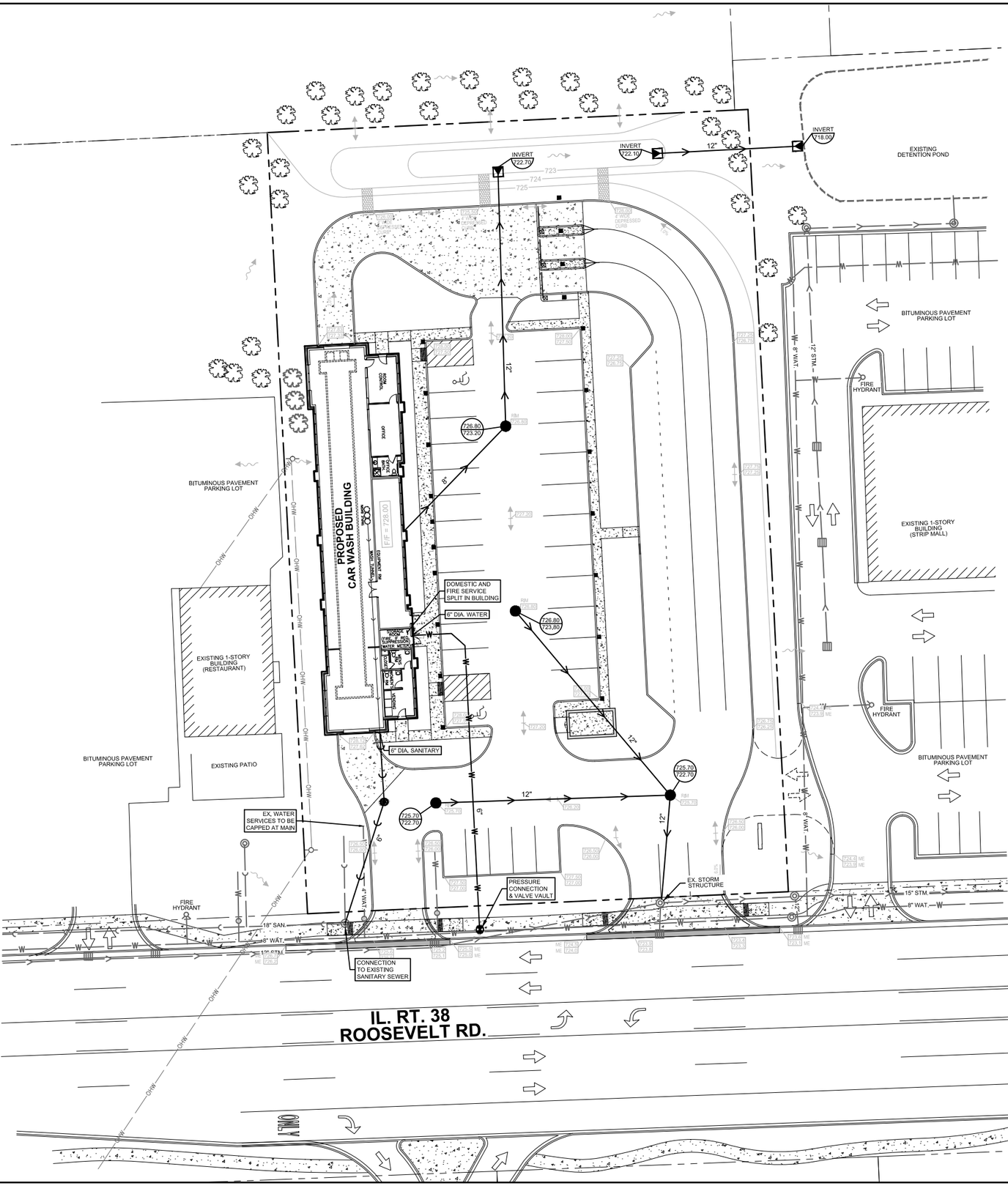
SHEET TITLE

GRADING PLAN

SHEET NUMBER

C-4



LEGEND

- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED STORM INLET STRUCTURE.
- PROPOSED STORM STRUCTURE WITH OPEN GRATE.
- PROPOSED MANHOLE STORM/SANITARY WITH SOLID LID.
- PROPOSED FIRE HYDRANT.
- PROPOSED SITE LIGHT (REFER TO ARCHITECTURE PLANS)

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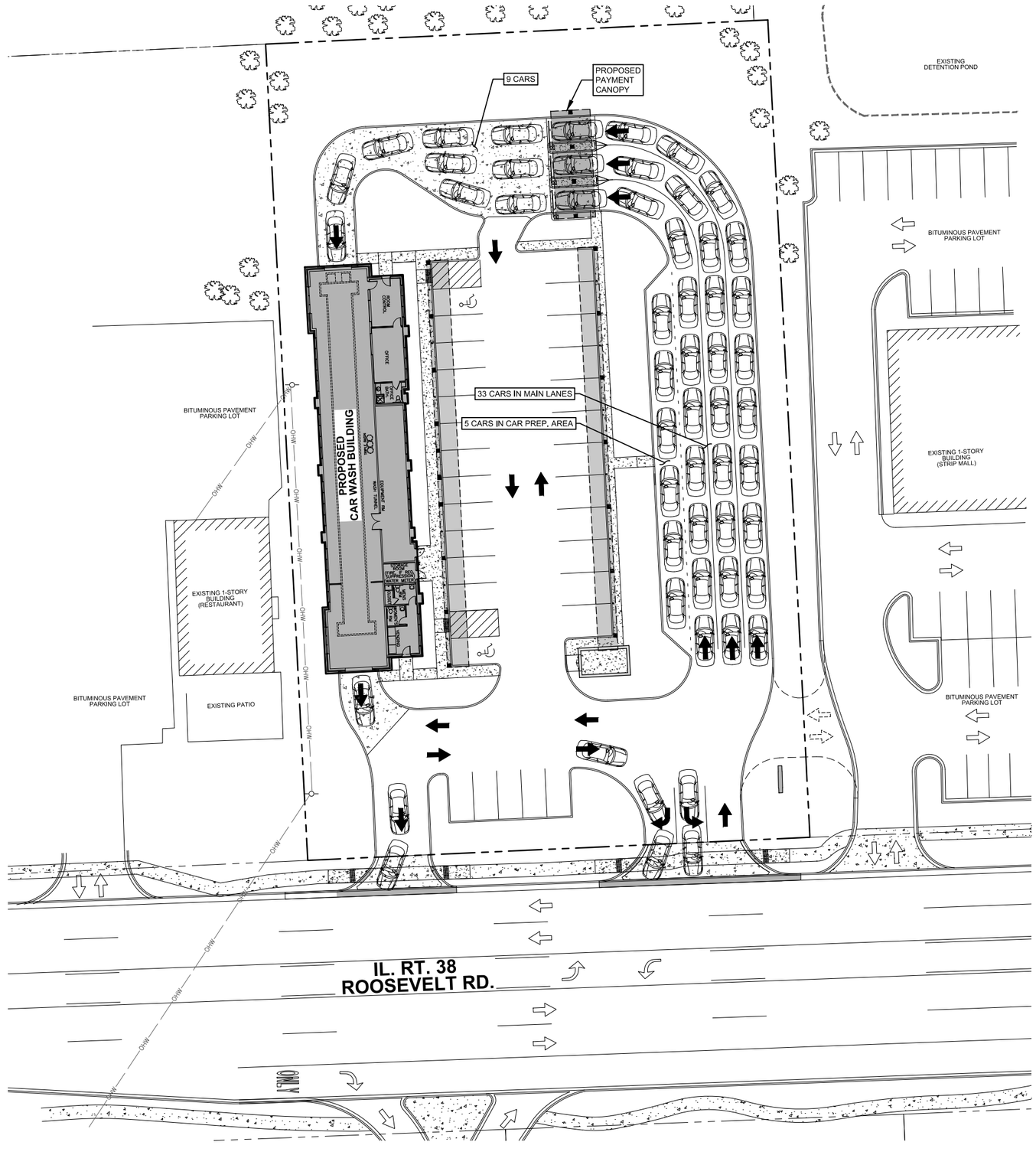
SHEET TITLE

UTILITY PLAN

SHEET NUMBER

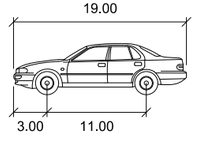
C-5



N

0 10' 20' 40'

SCALE: 1" = 20'



PASSENGER CAR (TYPICAL)
ILDOT 2017 (US)

		feet
Width	:	7.00
Track	:	6.00
Lock to Lock Time	:	6.0
Steering Angle	:	31.5

NOTE:
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).

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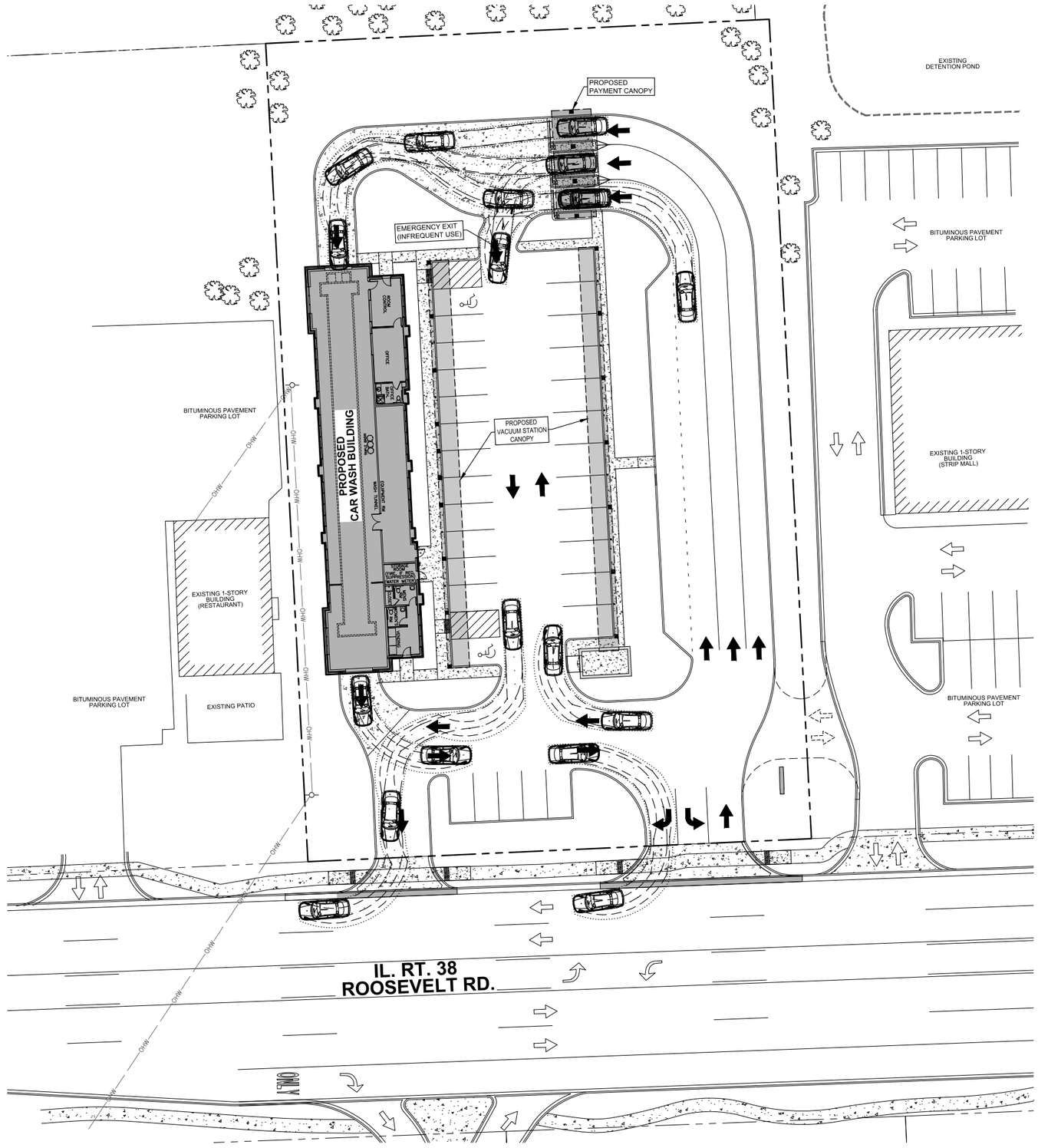
SHEET TITLE

CAR QUEUE LINE EXHIBIT

SHEET NUMBER

C-6



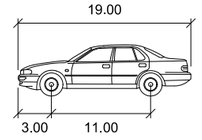
N

0 10' 20' 40'

SCALE: 1" = 20'

LEGEND

- FRONT WHEEL PATH
- REAR WHEEL PATH
- OVERHANG OF BODY



PASSENGER CAR (TYPICAL)
ILDOT 2017 (US)

		feet
Width	:	7.00
Track	:	6.00
Lock to Lock Time	:	6.0
Steering Angle	:	31.5

NOTE:
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LOMBARD, IL 60148

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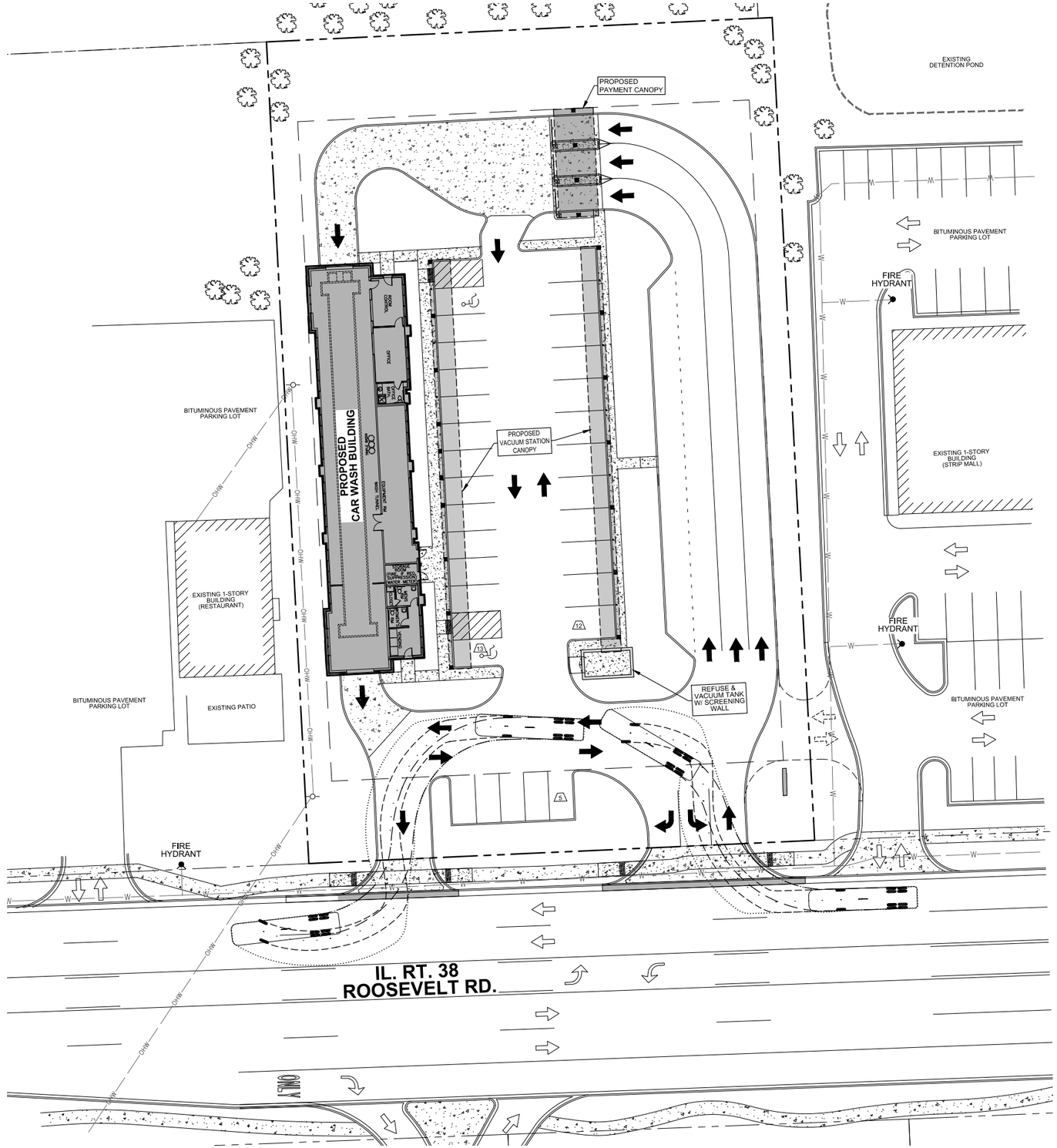
SHEET TITLE

CAR TURNING EXHIBIT

SHEET NUMBER

C-7



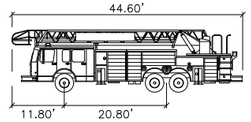
N

0 10' 20' 40'

SCALE: 1" = 20'

LEGEND

- FRONT WHEEL PATH
- REAR WHEEL PATH
- OVERHANG OF BODY



Lombard's Fire Spec.:
Aerial Platform 100', Alum Body

	feet
Overhang Width	: 8.00
Track	: 9.81
Lock to Lock Time	: 6.0
Steering Angle	: 45.0

NOTE:
DIMENSION DATA IS FROM THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND MODIFIED PER THE VILLAGE OF LOMBARD FIRE TRUCK & TURNING SPECIFICATIONS.

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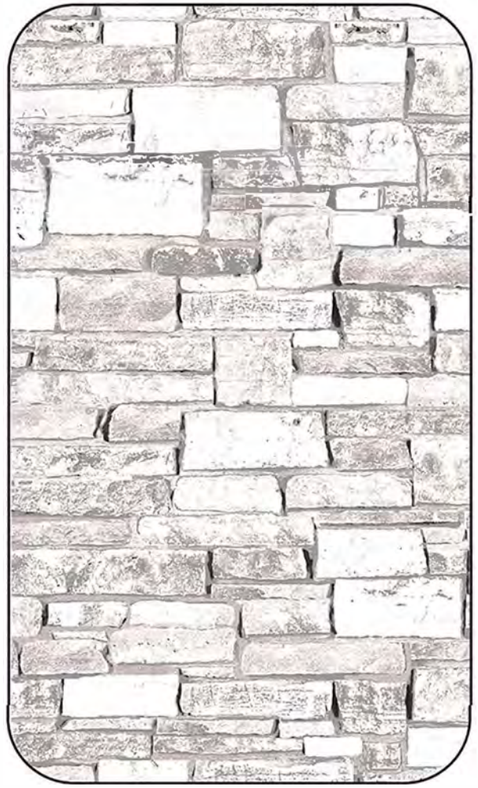
PROJECT #:	1564

SHEET TITLE

FIRE TRUCK TURNING EXHIBIT

SHEET NUMBER

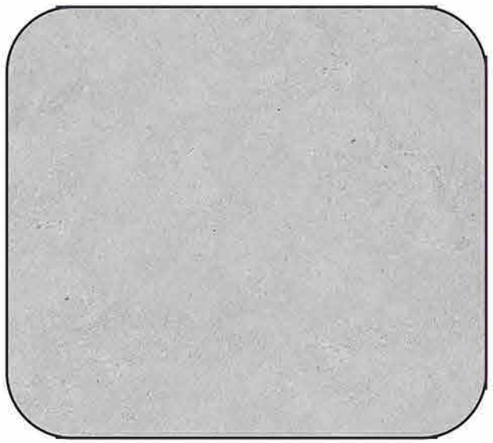
C-8



COLUMNS & BEAMS
DARK BRONZE

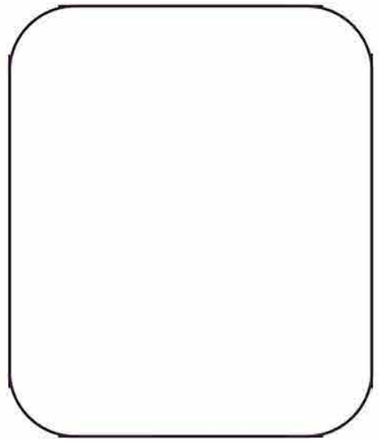
STANDING SEAM ROOF
DARK BRONZE

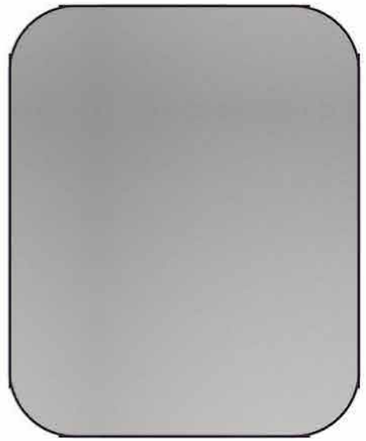
STONE VENEER
FOND DU LAC RUSTIC



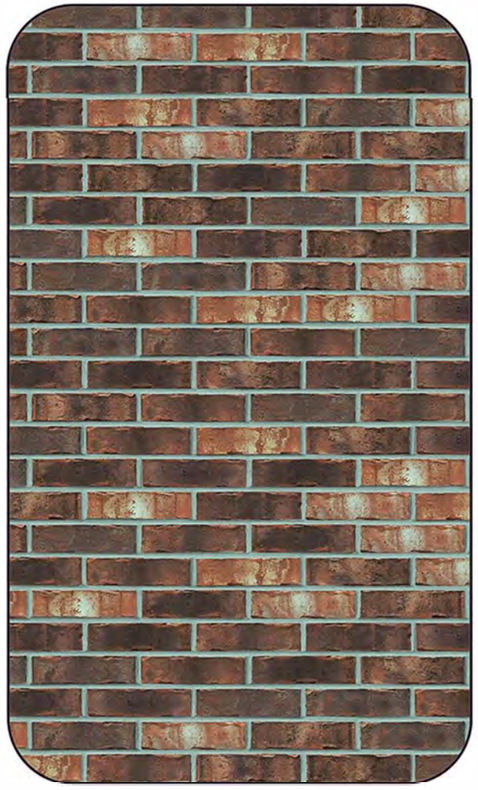
SILLS & HEADERS
CUT LIMESTONE

TOWER WINDOW FRAME
WHITE



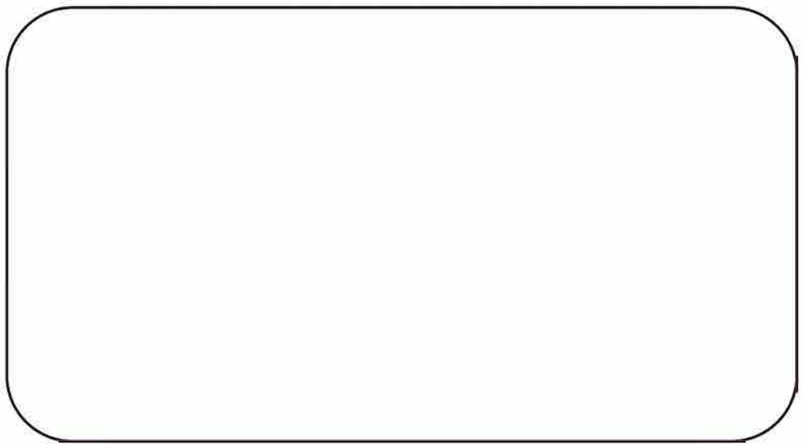


STOREFRONT WINDOW FRAME
CLEAR ANODIZED ALUMINUM



BRICK VENEER
SIOUX CITY - CHERRY CREEK
WILLIAMSBURG

UPPER WALL/ SIGN SURFACE
STUCCO - PAINTED WHITE



NEW AUTOMATED CARWASH FACILITY

352 E. ROOSEVELT ROAD
LOMBARD, IL 60148

N E R I
ARCHITECTS
6400 N NORTHWEST HWY
SUITE 4
CHICAGO IL 60631
TEL 847.825.9400

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

FEATURES

- Compact sleek design with multiple LED configurations and simple installation
- The Airo includes a universal mounting block for easy pole installation or mast arm option for 2-3/8 ft OD roadway brackets
- Capable of replacing up to 1000w HID luminaires
- Micro Strike optical distributions of Type 2, 3, 4W or 5QW
- Tool-less entry option for easy installation and maintenance
- 3G rated for high vibration applications including bridges and overpasses

RELATED PRODUCTS

RAR1 Ratio | RAR2 Ratio | Cimarron LED

C US

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Separate optical and electrical compartment for improved thermal management and optimum component operation
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- Premium engineered individual acrylic lenses deliver IES Type 2, 3, 4W and 5QW distributions
- Lens distributions are field rotatable (in 90˚ increments) or exchangeable for job site fine-tuning
- 3000K, 4000K, or 5000K (70 CRI) CCT
- 80, 160, or 320 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Tool-less entry to wiring/driver compartment optional
- Universal mounting block works with #2 drill pattern

INSTALLATION (CONTINUED)

- Fixture ships with slotted mounting block to accommodate wide range of drill patterns for easy retrofit opportunities
- Mast arm fitter accessory or option available for 2-3/8" OD brackets with vertical tilt of +3°, 0° or -3°

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40˚ C to 40˚ C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is consumed

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6

CONTROLS (CONTINUED)

- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- IP65 optical assembly
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt

WARRANTY

- 5 Year warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	6,000–36,000
Wattage Range	25–225
Efficacy Range (LPW)	118–148
Weight lbs. (kg)	14.5–17.5 (6.6–8.0)

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

ORDERING GUIDE

Example: ASL1–80L-25–3K7–2–UNV–ASQU–SWP–F–BLT

CATALOG #

ORDERING INFORMATION

Series		# LEDs		CCT/CRI		Distribution		Rotation/Orientation		Voltage		Mounting	
ASL1	ASL Microstrike Series	**80L-25**	3,000 lm	**3K7**	3000K, 70 CRI	**2**	Type II	**L**	Optic rotation left	**UNV**	Universal 120-277V	**ASQU**	Arm Square w/ Universal Mount
		80L-39	4,500 lm	**4K7**	4000K, 70 CRI	**3**	Type III	**R**	Optic rotation right	**120**	120V	**A3**	AS with 3.5-4.13" OD RPA3 & UM
		80L-50	6,000 lm	**5K7**	5000K, 70 CRI	**4W**	Type 4W			**208**	208V	**A4**	AS with 4.18-5.25" OD RPA4 & U
		160L-70	9,000 lm			**5QW**	Type 5QW			**240**	240V	**A5**	AS with 5.5-6.5" OD RPA5 & UM
		160L-100	12,000 lm							**277**	277V	**MAF**	Mast Arm Fitter for 2-3/8" OD
		160L-115	15,000 lm							**347**	347V		
		160L-135	18,000 lm							**480**	480V		
ASL2	ASL Microstrike Series	**320L-145**	21,000 lm										
		320L-170	24,000 lm										
		320L-185	27,000 lm										
		320L-210	30,000 lm										
		320L-235	33,000 lm										

Control Options Network	
SWP[1,2]	SiteSync pre-commissioned
SWPM[1,2]	SiteSync wireless pre-commissioned w/ motion detection
NXSPW14F[1]	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' (use white for WH, black for DB, GT, TT, gray for LG, PS)
NXSPW30F[1]	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' (use white for WH, black for DB, GT, TT, gray for LG, PS)
NXSP14F[1]	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' (use white for WH, black for DB, GT, TT, gray for LG, PS)
NXSP30F[1]	NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' (use white for WH, black for DB, GT, TT, gray for LG, PS)
NXWE[1]	NX Wireless Enabled (module + radio)
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor
SCP-40F	Remote control programmable line voltage sensor
Control Options Other	
7PR	7 Pin Receptacle
7PR-SC	7 Pin Receptacle with shorting cap
7PR-MD8F	7 pin receptacle with low voltage sensor at 8' mounting for external control accessory
7PR-MD40F	7 pin receptacle with low voltage sensor at 40' mounting for external control accessory
7PR-TL	7 Pin Receptacle with Photocontrol

Options	
F[3]	Fusing
BC	Backlight Control
TB[4]	Terminal Block
TE	Tooless Entry
SSF	Stainless Steel Fasteners

Color	
BLT	Black Matte Textured
BLS	Black Gloss Smooth
DBT	Dark Bronze Matte Textured
DBS	Dark Bronze Gloss Smooth
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
LGT	Light Grey Matte Textured
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured
Color Option	
CC	Custom Color

Notes:

1 Not compatible with 80L configurations

2 Not compatible with 480V configurations

3 Must specify voltage

4 Not available with a combination or 347/480 and fusing

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

MORE INFORMATION: ACCESSORIES AND SERVICES

CONTROL ACCESSORIES (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**SCP-Remote**	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
☐	**SWUSB**	SiteSync™ Software on USB
☐	**SWTAB**	SiteSync™ Windows Tablet
☐	**SWBRG**	SiteSync™ Wireless Bridge Node
☐	**SWFC**	SiteSync™ Field Commission Serve
☐	**SW7PR**	SiteSync™ on fixture module via 7PR
☐	**WIR-RME-L**	wiSCAPE External Fixture Module
☐	**NXOFM-1R1D-UNV**	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

* When ordering SiteSync at least one of these two interface options must be ordered per project

\+ Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle

ACCESSORIES (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**ASL1-HSS-90-B-XXX[1]**	House Side Shield Back 90 deg
☐	**ASL1-HSS-90-F-XXX[1]**	House Side Shield Front 90 deg
☐	**ASL1-HSS-90-S-XXX[1]**	House Side Shield Side 90 deg
☐	**ASL1-HSS-270-BSS-XXX[1]**	House Side Shield Back, Side & Side 270 deg
☐	**ASL1-HSS-270-FSS-XXX[1]**	House Side Shield Front, Side & Side 270 deg
☐	**ASL1-HSS-270-FSB-XXX[1]**	House Side Shield Front, Side & Back 270 deg
☐	**ASL1-HSS-360-XXX[1]**	House Side Shield 360 deg
☐	**ASL2-HSS-90-B-XXX[1]**	House Side Shield Back 90 deg
☐	**ASL2-HSS-90-F-XXX[1]**	House Side Shield Front 90 deg
☐	**ASL2-HSS-90-S-XXX[1]**	House Side Shield Side 90 deg
☐	**ASL2-HSS-270-BSS-XXX[1]**	House Side Shield Back, Side & Side 270 deg
☐	**ASL2-HSS-270-FSS-XXX[1]**	House Side Shield Front, Side & Side 270 deg
☐	**ASL2-HSS-270-FSB-XXX[1]**	House Side Shield Front, Side & Back 270 deg
☐	**ASL2-HSS-360-XXX[1]**	House Side Shield 360 deg
☐	**ASL-MAF**	Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms
☐	**SETA2-XX[1]**	Square pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon)
☐	**RETA2-XX[1]**	Round pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon), requires CL1S-RPA4-ACC-XX for each luminaire
☐	**RARBC80L**	Backlight Control 80L
☐	**RARBC160L**	Backlight Control 160L
☐	**RARBC320L**	Backlight Control 320L
☐	**RARBC480L**	Backlight Control 480L
☐	**CL1S-RPA4-ACC-XX[1]**	Round Pole Adapter (* denotes pole diameter; 3 = 3 ¼" -3 ¾"; 4* = 3 7/8" – 6")
☐	**ASL-ARMMTG-XX1[1]**	Arm mounting kit for side of pole attachment
☐	**WB-AREA-XX[1]**	Wall bracket, Compatible with standard arm mount option
☐	**ASL-MAF**	Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms

1 Replace XX or XXX with color choice, eg.: DB for Dark Bronze or BLT for Black Matte Textured

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G
ASL1	25	25.4	2	3430	135	2	0	2	3413	134	2	0	2	3225	127	2	0	2
			3	3465	136	2	0	2	3448	136	2	0	2	3259	128	2	0	2
			4W	3401	134	2	0	3	3384	133	2	0	3	3198	126	2	0	3
			5QW	3483	137	4	0	2	3466	136	4	0	2	3274	129	4	0	2
	40	38.0	2	5237	138	3	0	3	5211	137	3	0	3	4924	130	3	0	3
			3	5292	139	2	0	2	5265	139	2	0	2	4976	131	2	0	2
			4W	5193	137	2	0	3	5168	136	2	0	3	4883	129	2	0	3
			5QW	5318	140	4	0	2	5292	139	4	0	2	4999	132	4	0	2
	50	49.7	2	6294	127	2	0	2	6263	126	2	0	2	5918	119	2	0	2
			3	6360	128	2	0	2	6328	127	2	0	2	5980	120	2	0	2
			4W	6242	126	2	0	3	6211	125	2	0	3	5869	118	2	0	3
			5QW	6392	129	4	0	2	6360	128	4	0	2	6008	121	4	0	2
	70	68.4	2	9461	138	3	0	3	9414	138	3	0	3	8897	130	3	0	3
			3	9560	140	2	0	2	9513	139	2	0	2	8989	131	2	0	2
			4W	9383	137	2	0	3	9336	136	2	0	3	8822	129	2	0	3
			5QW	9608	140	4	0	2	9560	140	4	0	2	9032	132	4	0	2
	100	88.0	2	11945	136	2	0	2	11886	135	2	0	2	11232	128	2	0	2
			3	12070	137	2	0	2	12010	136	2	0	2	11349	129	2	0	2
			4W	11846	135	2	0	3	11787	134	2	0	3	11139	127	2	0	3
			5QW	12131	138	4	0	2	12070	137	4	0	2	11403	130	4	0	2
	115	109.7	2	15683	143	2	0	2	15605	142	2	0	2	14977	137	2	0	2
			3	15486	141	2	0	2	15411	140	2	0	2	14819	135	2	0	2
			4W	15305	140	2	0	3	15232	139	2	0	3	14646	134	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	18089	136	3	0	3	17999	135	3	0	3	17275	130	3	0	3
			3	17861	134	2	0	2	17776	133	2	0	2	17092	128	2	0	2
			4W	17653	132	2	0	3	17569	132	2	0	3	16893	127	2	0	3
			5QW	18155	136	4	0	2	18064	136	4	0	2	17338	130	4	0	2

ASL2 Performance Data on next page

1 VAC input Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G
ASL2	145	143.0	2	21007	147	3	0	4	20902	146	3	0	4	20061	140	3	0	4
			3	20842	146	3	0	4	20738	145	3	0	4	19904	139	3	0	4
			4W	20595	144	3	0	5	20492	143	3	0	5	19668	138	3	0	5
			5QW	21130	148	5	0	4	21024	147	5	0	4	20179	141	5	0	4
	170	168.0	2	24447	146	3	0	4	24325	145	3	0	4	23347	139	3	0	4
			3	24256	144	3	0	4	24134	144	3	0	4	23164	138	3	0	4
			4W	23968	143	3	0	5	23848	142	3	0	5	22889	136	3	0	5
			5QW	24591	146	5	0	4	24468	146	5	0	4	23484	140	5	0	4
	185	185.0	2	26651	144	4	0	5	26518	143	4	0	5	25452	138	4	0	5
			3	26442	143	3	0	4	26310	142	3	0	4	25252	136	3	0	4
			4W	26129	141	4	0	5	25998	141	4	0	5	24953	135	4	0	5
			5QW	26808	145	5	0	5	26674	144	5	0	5	25602	138	5	0	5
	210	210.0	2	29880	142	3	0	4	29731	142	3	0	4	28535	136	3	0	4
			3	29646	141	3	0	4	29497	140	3	0	4	28312	135	3	0	4
			4W	29294	139	3	0	5	29148	139	3	0	5	27976	133	3	0	5
			5QW	30056	143	5	0	4	29905	142	5	0	4	28703	137	5	0	4
	235	235.0	2	32959	140	3	0	4	32794	140	3	0	4	31475	134	3	0	4
			3	32700	139	3	0	4	32537	138	3	0	4	31229	133	3	0	4
			4W	32312	137	3	0	5	32151	137	3	0	5	30858	131	3	0	5
			5QW	33152	141	5	0	4	32987	140	5	0	4	31661	135	5	0	4
	255	261.2	2	36218	139	4	0	5	36037	138	4	0	5	34588	132	4	0	5
			3	35934	138	3	0	4	35754	137	3	0	4	34317	131	3	0	4
			4W	35508	136	4	0	5	35330	135	4	0	5	33910	130	4	0	5
			5QW	36431	139	5	0	5	36249	139	5	0	5	34792	133	5	0	5

1 VAC input Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations. Actual performance may differ as a result of end-user environment and application.

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

ELECTRICAL DATA

Family	Nominal Wattage	Input Voltage (Volts)	Current (AMPS)	System Power (Watts)
AIRO (ASL1)	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
		347	0.07	
		480	0.05	
	40	120	0.32	38
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.41	49.7
		208	0.24	
		240	0.21	
		277	0.18	
		347	0.14	
		480	0.10	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
		347	0.20	
		480	0.14	
	100	120	0.73	88
		208	0.42	
		240	0.37	
		277	0.32	
		347	0.25	
		480	0.18	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	
AIRO (ASL2) Next Page				

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

ELECTRICAL DATA (CONT'D)

Family	Nominal Wattage	Input Voltage (Volts)	Current (AMPS)	System Power (Watts)
AIRO (ASL2)	145	120	1.19	143.0
		208	0.69	
		240	0.60	
		277	0.52	
		347	0.41	
		480	0.30	
	170	120	1.40	168.0
		208	0.81	
		240	0.70	
		277	0.61	
		347	0.48	
		480	0.35	
	185	120	1.54	185.0
		208	0.89	
		240	0.77	
		277	0.67	
		347	0.53	
		480	0.39	
	210	120	1.75	210.0
		208	1.01	
		240	0.88	
		277	0.76	
		347	0.61	
		480	0.44	
	235	120	1.96	235.0
		208	1.13	
		240	0.98	
		277	0.85	
		347	0.68	
		480	0.49	
	255	120	2.18	261.2
		208	1.26	
		240	1.09	
		277	0.94	
		347	0.75	
		480	0.54	

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11[1] L96 60,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

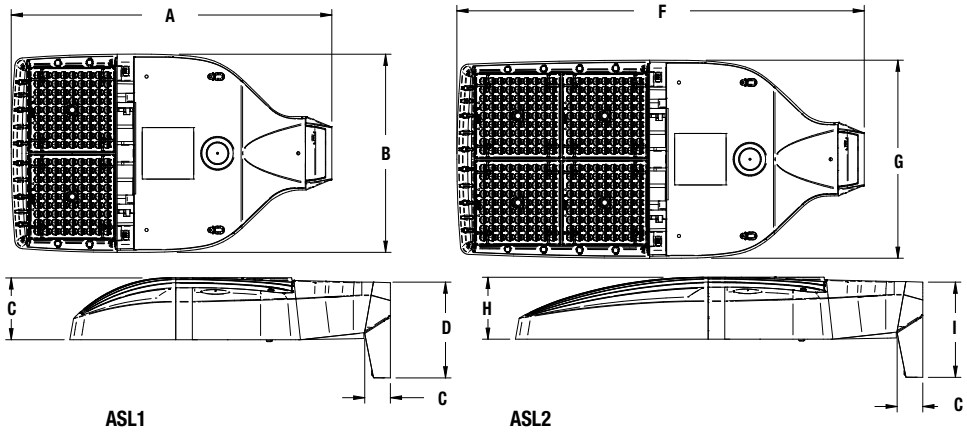
1. Projected per IESNA TM-21-11 (* Cree XP-L, 2100mA, 105°C Ts, 6,000hrs)

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0° C	32° F	1.06
10° C	50° F	1.03
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.97
50° C	122° F	0.94

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

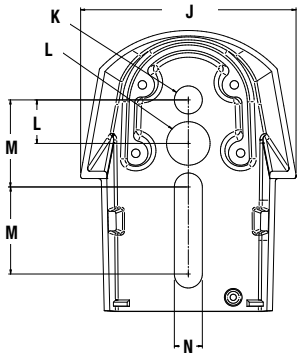
DIMENSIONS



ASL1 ASL2

A	B	C	D	E	F	G	H	I	ASL1 EPA@0°	ASL2 EPA@0°	ASL1 w/ HSS	ASL2 w/ HSS
18.9"	11.7"	3.7"	5.65"	1.5"	24.0"	11.7"	3.7"	5.62"	.46 ft.^{2}	.56 ft.^{2}	.73 ft.^{2}	1.01 ft.^{2}
480mm	297mm	94mm	144mm	38mm	610mm	297mm	94mm	143mm	.14 m^2	.17 m^2	.22 m^2	.31 m^2

	Weight
ASL1	14.47 lbs (6.56 kgs)
ASL2	17.47 lbs (7.92 kgs)

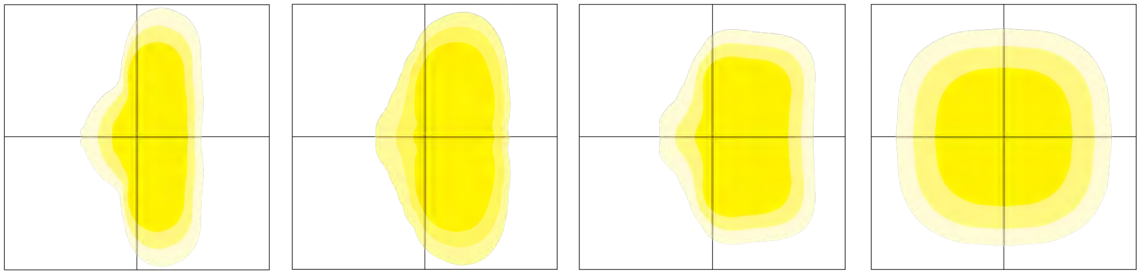


J	K	L	M	N
4.33"	.562"	.875"	1.75"	.562"
480mm	297mm	94mm	610mm	297mm

PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

Type II Type III Type IV Type V



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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

ADDITIONAL INFORMATION (CONT'D)

OCCUPANCY SENSOR

- Individual fixture control
- Dims product when space is not occupied

7-PIN RECEPTACLE

- Compatible with 3-pin, 5-pin or 7-pin photocontrols
- Turns fixture on when sun sets, off when sun rises
- Wireless networked solution
- For use with a variety of control platforms

*Additional accessories required.

NX

NX DISTRIBUTED™ INTELLIGENCE

Hubbell Controls Solutions' NX Distributed Intelligence™ platform delivers a lighting control solution capable of seamlessly connecting exterior and interior applications.

- Standalone or networked fixture control
- Astronomical time schedules
- BACnet building networking
- Connects with indoor wired, wireless or hybrid networks
- Wireless setup via app
- Occupancy Sensor option dims product when space is not occupied

SITESYNC LIGHTING CONTROL

SiteSync™ LIGHTING CONTROL

SiteSync Lighting Control delivers flexible control strategies for reducing power consumption and minimizing maintenance costs while delivering the right light levels with a simple and affordable wireless solution.

- Pre-commissioning options available
- Standalone or networked fixture control
- Astronomical time schedules
- Occupancy Sensor option dims product when space is not occupied

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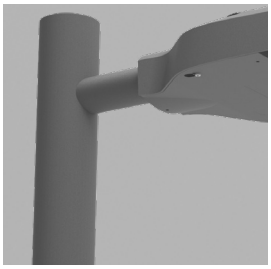
AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

ADDITIONAL INFORMATION (CONT'D)

MOUNTING

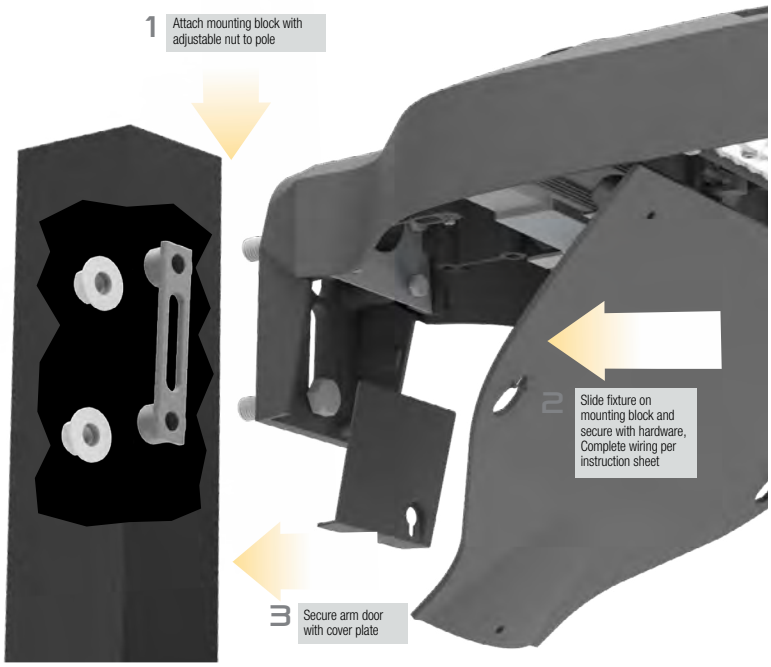
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



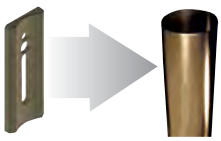
MAF – Fits 2-3/8" OD arms Roadway applications.

Wall Mount – Wall mount bracket designed for building mount applications.

Universal Mount – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



ACCESSORY



ROUND POLE ADAPTER

WB-AREA-XX

SPOKE BRACKET (single arm shown) Horizontal round arm tenon adapters for use with MAF mounting type or accessory kit. Reference SH Spoke Pole Top Brackets for ordering information.

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701 Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.hubbelloutdoor.com

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

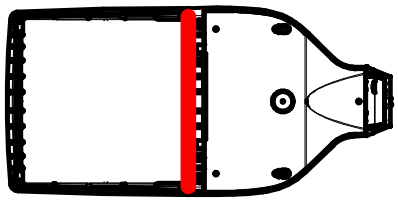
AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

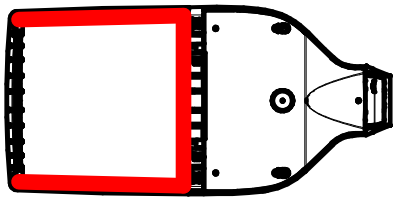
ADDITIONAL INFORMATION (CONT'D)

CONFIGURATIONS

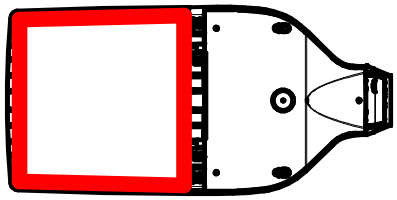
ASLx HSS-90-B-xx



ASLx HSS-270-BSS-xx



ASLx HSS-360-xx



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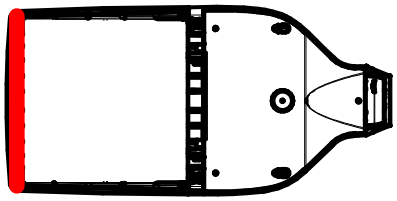

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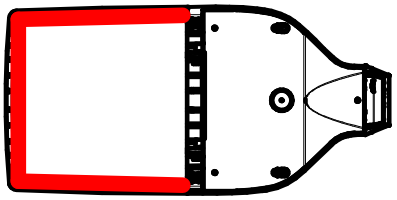

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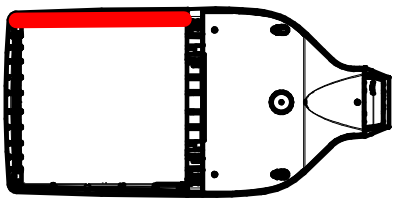

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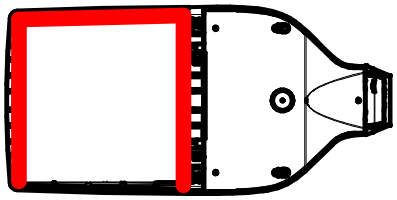

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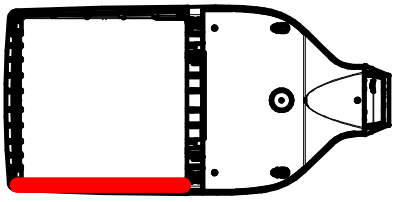

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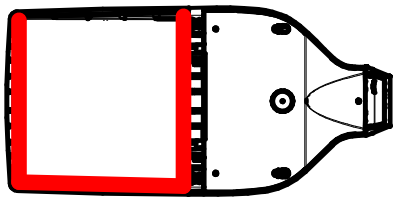

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District ____

VILLAGE OF LOMBARD

PLAN COMMISSION

— PETITION FOR PUBLIC HEARING —

- [x] CONDITIONAL USE
- [ ] REZONING
- [ ] PLANNED DEVELOPMENT
- [ ] TEXT AMENDMENT
- [ ] VARIATION(S)
- [ ] COMP. PLAN AMENDMENT
- [ ] ANNEXATION
- [ ] SITE PLAN APPROVAL
- [ ] MINOR SUBDIVISION
- [ ] MAJOR SUBDIVISION

ADDRESS OF SUBJECT PROPERTY: 352 E. Roosevelt Rd, Lombard, IL 60148

P.I.N. NO(S).: 06-17-316-007 FPA*: N/A (*Facilities Planning Area. INFORMATION REQUIRED ONLY FOR ANNEXATIONS.)

PETITIONER: Wojciech Wolny PHONE NO.: 708-388-4914

CONTACT NAME: Alan M. Jacob PHONE NO.: 847-852-0021

PETITIONER'S ADDRESS: 3109 White Oak lane FAX NO.: ____

CITY: Oakbrook STATE: IL ZIP CODE: 60523

PETITIONER'S EMAIL ADDRESS Al.wolny@dartcasting.com

RELATIONSHIP OF PETITIONER TO PROPERTY: Contingent Buyer

OWNER(S) OF PROPERTY: Lombard Property Partners LLC PHONE NO.: 630-935-3231

OWNER'S ADDRESS: 508 Drake Lane

CITY: Bloomingdale STATE: IL ZIP CODE: 60108

EXISTING ZONING: B4A AREA OF PROPERTY (in acres): 1.3

EXISTING LAND USE(S): None

EXISTING SITE IMPROVEMENTS: None

DESCRIPTION OF REQUEST (attach additional pages as needed): See Attached

THE ABOVE INFORMATION, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT:

Wojciech Wolny (name of petitioner (printed)) (petitioner's title)

Wojciech Wolny 12.10.20 (signature of petitioner) (date)

Lombard Property Partners LLC (name of owner (printed)) (owner's title)

(signature of owner) 12/8/20 (date)

SUBSCRIBED AND SWORN TO before me this 10th day of December, 2020.

GREGORY K ROSC
Official Seal
Notary Public - State of Illinois
My Commission Expires Apr 24, 2024

(Notary Public)

SUBSCRIBED AND SWORN TO before me this 8th day of December, 2020.

THOMAS G. HELLGETH
OFFICIAL SEAL
Notary Public - State of Illinois
My Commission Expires Dec 14, 2022

Thomas G. Hellgeth
(Notary Public)

Village of Lombard
Plan Commission & The Zoning Board of Appeals
255 E. Wilson Avenue, Lombard, Illinois 60148

SUBJECT: CONDITIONAL USE PETITION

PETITIONER: Wojciech Wolny

Purpose Of Request

The purpose of this application is to propose to construct and thereafter establish a new State-Of- The-Art car wash facility. The facility shall have designated and clear marked lanes of use, staff members throughout the facility (from entry to exit), and a systematic plan executed to allow a steady and smooth flow of service. Clients shall have options to choose specific service to be performed, communicated either electronically, verbally, by writing, or in some other manner thereby creating direction to the client through staff communication to proceed along the facility grounds to obtain the service or services selected.

Finding Of Facts For Granting A Conditional Use Permit

Public Convenience

In its current use, the property provides little to no benefit to the public & little to no public convenience. The subject property is located at or near the main business corridor of the Village of Lombard. It is also located near major interstate and intrastate corridors connecting Lombard to other adjacent metropolitan areas including the greater Chicagoland area. The subject property is situated along a major commercial area and would be utilized in a commercial manner. The addition of a State-of-the-Art car wash facility would add aesthetics to the area as the design is a contemporary, not traditional car wash. There are no functioning car wash facilities at or near this property similar to the proposed design & function of this project. The public convenience of a car wash facility in this location would add a desirable service for

the residents of Lombard and those who traverse Lombard to and from other destinations.

It is so designated, located and proposed to be operated that the public health, safety, and welfare will be protected;

The subject property is located adjacent to existing and established businesses improved with commercial and retail mixed uses. The proposed facility will generally follow the hours of operation of the surrounding businesses so as not to disrupt or interfere with the flow of anything already established. The proposed car wash is well suited to this location and will have a positive financial impact on the neighboring businesses and will contribute and encourage development and improvement of the surrounding properties. There are adequate roads, utilities access, drainage, and other necessary elements within the subject area which will allow for the efficient maintenance and operation of the proposed car wash. The proposed traffic movement will be self-contained on the subject property and adequate measures will be taken to provide ingress and egress to be designed to minimize traffic congestion in the public streets. Any pedestrian circulation is designed specifically for the car wash to provide safe, ADA compliant access routes between the facilities. The proposed car wash utilizes environmentally friendly procedures and uses biodegradable products. The proposed car wash shall not in any way disrupt, affect, jeopardize or otherwise impede the health, safety or welfare of the general public.

Will not cause substantial injury to the value of other property in the neighborhood in which it is to be located;

The proposal would add great value to the property upon which the facility will be located, increase the value of other property in the neighborhood (a commercial district) and attract business to adjacent properties as clients may visit those adjacent businesses upon stopping and utilizing this proposed business, take stock of surroundings and increase curiosity about surrounding businesses. In no way shall the

proposal decrease or injure the value of the neighborhood or properties in that general vicinity.

Such special use shall conform to the applicable regulations of the district in which it is located.

The proposed business shall conform to all Village regulations and adhere to permitted uses outlined in such regulations related to and current commercial zoning. as B4A. It shall also complement any comprehensive plan or future plan of the Village of Lombard.

FINDINGS OF FACT FOR GRANTING ZONING VARIANCES

That there are special circumstances or conditions, fully described in the findings, applying to the property (properties) for which the conditional use is sought, which circumstances or conditions are peculiar to such property (properties) and do not apply generally to properties in the zoning district, and that said circumstances or conditions are such that the strict application of the Village code would deprive the applicant of the reasonable use of the subject property;

Should it be required, the Petitioner seeks a conditional use in zoning to accommodate a car wash facility. If the strict application of the Village code applies to this property, the conditional use shall not hinder or otherwise disrupt the comprehensive or general plan of the Village of Lombard. A denial of this conditional use shall deprive the Petitioner of reasonable use of the subject property as its current zoning B4A requires a commercial use and that is the intended use of the Petitioner.

That, for reasons fully set forth in the findings, the granting of the conditional use is necessary for the reasonable use of the property (properties) and that the conditional use proposed is the minimum variance that will accomplish this purpose.

The proposed use as a car wash facility would result in little to no conditional use to accomplish the use of the property. The proposal is not so unique as to require a major deviation from the zoning district as Lombard already contains at least one car wash as to adjacent Villages and cities. A car wash is a staple in any commercial zoning district of nearly every such Village or City near a major metropolitan area such as the Chicagoland area.

That the result of granting by the corporate authorities of the conditional use will be in harmony with the general purpose and intent of standards set forth within this code and in harmony with the configuration and shape of lots within the subdivision in which the subject property lies, and will not be injurious to adjacent property or otherwise detrimental to the public welfare.

The proposal would add great value to the property upon which the facility will be located, increase the value of other property in the neighborhood (a commercial district) and attract business to adjacent properties as clients may visit those adjacent businesses upon stopping and utilizing this proposed business, take stock of surroundings and increase curiosity about surrounding businesses. In no way shall the proposal decrease or injure the value of the neighborhood or properties in that general vicinity.

Conditional Use
Subject Property: 352 E. Roosevelt Road Lombard, Illinois
PURSUANT TO SECTION 155.103 (F)(8) OF THE LOMBARD ZONING ORDINANCE:

The Petitioner hereby answers the standards as follows:

1. That the establishment, maintenance, or operation of the conditional use will not be detrimental to, or endanger the public health, safety, morals, comfort, or general welfare;

The subject property is located adjacent to existing and established businesses improved with commercial and retail mixed uses. The proposed facility will generally follow the hours of operation of the surrounding businesses so as not to disrupt or interfere with the flow of anything already established. The proposed car wash is well suited to this location and will have a positive financial impact on the neighboring businesses and will contribute and encourage development and improvement of the surrounding properties. There are adequate roads, utilities access, drainage, and other necessary elements within the subject area which will allow for the efficient maintenance and operation of the proposed car wash. The proposed traffic movement will be self-contained on the subject property and adequate measures will be taken to provide ingress and egress to be designed to minimize traffic congestion in the public streets. Any pedestrian circulation is designed specifically for the car wash to provide safe, ADA compliant access routes between the facilities. The proposed car wash utilizes environmentally friendly procedures and uses biodegradable products. The proposed car wash shall not in any way disrupt, affect, jeopardize or otherwise impede the health, safety or welfare of the general public.

2. That the conditional use will not be injurious to the uses and enjoyment of other property in the immediate vicinity for the purposes already permitted, not substantially diminish and impair property values within the neighborhood in which it is to be located;

The proposal would add great value to the property upon which the facility will be located, increase the value of other property in the neighborhood (a commercial district) and attract business to adjacent properties as clients may visit those adjacent businesses upon stopping and utilizing this proposed business, take stock of surroundings and increase curiosity about surrounding businesses. In no way shall the proposal decrease or injure the value of the neighborhood or properties in that general vicinity.

3. That the establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district;

The car wash facility and its operation shall not impede any development or improvement of any adjacent property for the established zoning or any variance or conditional use of any adjacent property in the area or the district. The car wash facility is not an uncommon business idea or a novel idea not previously established in like-designed villages or cities in Illinois. Many car wash facilities are established within districts similar to the subject district of this conditional use application. This car wash

facility will complement surrounding property by providing a different convenience to the general public within the business district.

4. That the adequate public utilities, access roads, drainage and/or necessary facilities have been or will be provided;

The applicant shall ensure there are adequate public utilities available to operate the car wash facility. The main utility shall be water and based upon studies conducted and because of the established use of water within this business district, the applicant believes utilities are sufficient to operate this facility adequately without disrupting the shared use by other businesses.

5. That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets;

The applicant shall conduct traffic studies to ensure no disruption or congestion of traffic in the public streets. The interior design of the parking lot and traffic flow within the subject property is designed to absorb more than enough vehicles intended to be serviced on a day-to-day basis. The ingress and egress shall be so designed as not to impede or cause any additional traffic on the public streets adjacent to the subject property.

6. That the proposed conditional use is not contrary to the objectives of the current Comprehensive Plan for the Village of Lombard; and,

The applicant has reviewed the Comprehensive Plan of the Village of Lombard and finds the establishment of a car wash facility is not contrary to any future or current plans of the Village of Lombard.

7. That the conditional use shall, in all other respects, conform to the applicable regulations of the district in which it is located, except as such regulations may, in each instance, be modified pursuant to the recommendations of the Plan Commission:

The proposed business shall conform to all Village regulations and adhere to permitted uses outlined in such regulations related to and current commercial zoning. as B4A. It shall also complement any comprehensive plan or future plan of the Village of Lombard.

STANDARDS FOR VARIATIONS

of the Lombard Zoning Ordinance and Lombard Sign Ordinance

Subject Property: 352 E. Roosevelt Road, Lombard, Illinois

SECTION 155.103.C.7 OF THE LOMBARD ZONING ORDINANCE:

The regulations of this ordinance shall not be varied unless findings based on the evidence presented are made in each specific case that affirms each of the following standards. The Petitioner answers the regulations as follows:

1. Because of the particular physical surroundings, shape, or topographical conditions of the specific property involved, a particular hardship to the owner would result, as distinguished from a mere inconvenience, if the strict letter of the regulations were to be applied. ***The Petitioner seeks to establish a car wash facility within the Village of Lombard The physical surroundings are ripe for the establishment of such facility. The shape and topographical conditions and any strict application would cause an undue hardship to the Petitioner in regards to time spent, funding required, and studies conducted and would provide little to no benefit to the general public or the Village of Lombard. Therefore, the Petitioner seeks a variance for use without strict interpretation.***

2. The conditions upon which an application for a variation is based are unique to the property for which the variation is sought, and are not generally applicable to other property within the same zoning classification. ***Because the Petitioner seeks to establish a car wash facility, it is a conditional use as well as a variance. Both are required for the establishment of a car wash facility. Since the Petitioner cannot continue without one, both are required. Within the zoning classification, this facility is unique in that a conditional use is required.***

3. The purpose of the variation is not based primarily upon a desire to increase financial gain. ***The Petitioner does not seek a variation for financial gain (eg. reselling the property). The Petitioner simply seeks to avoid unnecessary waste of time or funding in establishing and operating a business and providing a convenience to the general public.***

4. The alleged difficulty or hardship is caused by this ordinance and has not been created by any person presently having an interest in the property. ***The conditions currently existing have not been created by any person presently having an interest in the property. Neither the current owner nor the Petitioner have created these conditions and simply seek the variance for the specific purpose of establishing and operating a business.***

5. The granting of the variation will not be detrimental to the public welfare or injurious to other property or improvements in the neighborhood in which the property is located.

The subject property is located adjacent to existing and established businesses

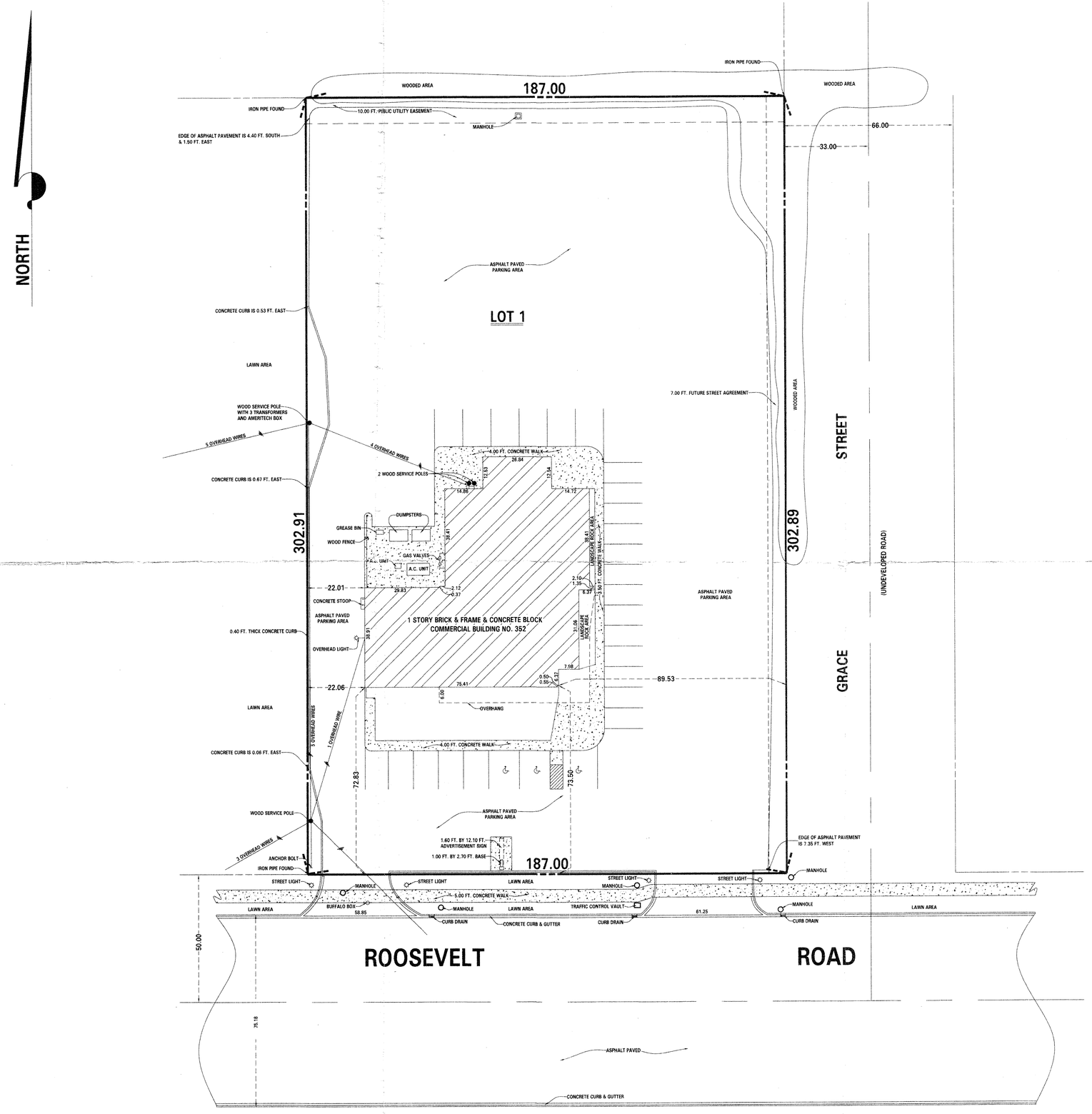
improved with commercial and retail mixed uses. The proposed facility will generally follow the hours of operation of the surrounding businesses so as not to disrupt or interfere with the flow of anything already established. The proposed car wash is well suited to this location and will have a positive financial impact on the neighboring businesses and will contribute and encourage development and improvement of the surrounding properties. There are adequate roads, utilities access, drainage, and other necessary elements within the subject area which will allow for the efficient maintenance and operation of the proposed car wash. The proposed traffic movement will be self-contained on the subject property and adequate measures will be taken to provide ingress and egress to be designed to minimize traffic congestion in the public streets. Any pedestrian circulation is designed specifically for the car wash to provide safe, ADA compliant access routes between the facilities. The proposed car wash utilizes environmentally friendly procedures and uses biodegradable products. The proposed car wash shall not in any way disrupt, affect, jeopardize or otherwise impede the health, safety or welfare of the general public.

6. The granting of the variation will not alter the essential character of the neighborhood; and,

The car wash facility shall complement and adhere to the neighborhood and the Comprehensive Plan of the Village of Lombard. The design and architecture may enhance the neighborhood and increase the value of surrounding real estate within the neighborhood.

7. The proposed variation will not impair an adequate supply of light and air to adjacent property or substantially increase the congestion of the public streets, or increase the danger of fire, or impair natural drainage or create drainage problems on adjacent properties, or endanger the public safety, or substantially diminish or impair property values within the neighborhood.

The car wash facility shall not require or use much light or air by its operation. Traffic studies shall ensure no congestion of traffic upon the public streets. The design of the interior of the parking lot, in addition to the flow of traffic within the lot and the ingress/ egress design shall minimize any impact to traffic on the public streets. The facility shall not endanger public safety nor increase the chances of any fire or other destructive cause.



PLAT OF SURVEY
MARCHESE SURVEYING, INC.
RESIDENTIAL - COMMERCIAL SURVEYS

714 Fairview Lane
Bartlett, Illinois 60103

Phone: (630)830-1570
Fax: (630)830-1844

PROPERTY DESCRIPTION

LOT 1 OF NOLDEN'S ASSESSMENT PLAT, BEING THE EAST 220.00 FEET OF THE SOUTH 350.00 FEET OF THE SOUTHWEST QUARTER OF SECTION 17, TOWNSHIP 39 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DUPAGE COUNTY, ILLINOIS.

ALSO KNOWN AS: 352 EAST ROOSEVELT ROAD IN LOMBARD, ILLINOIS.

CONTAINING 56,642.30 SQUARE FEET OR 1.30 ACRES, MORE OR LESS.

A PRELIMINARY TITLE POLICY REPORT WAS NOT FURNISHED TO MARCHESE SURVEYING INC. FOR OUR USE IN PREPARING THIS SURVEY, THEREFORE THERE MAY BE ADDITIONAL EASEMENTS AND OR SERVITUDE'S EFFECTING THIS PROPERTY WHICH ARE NOT SHOWN ON THIS PLAT OF SURVEY.

SCALE: ONE INCH = TWENTY FEET

ORDER NO: 00-0700

ORDERED BY: MR. CHRIS J. AIELLO
ATTORNEY AT LAW

COMPARE ALL POINTS BEFORE BUILDING BY SAME AND AT ONCE REPORT ANY DIFFERENCE. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEED, CONTRACT AND ZONING ORDINANCE.

STATE OF ILLINOIS
S.S.
COUNTY OF DUPAGE

I, ROCCO J. MARCHESE, HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE PROPERTY AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY.

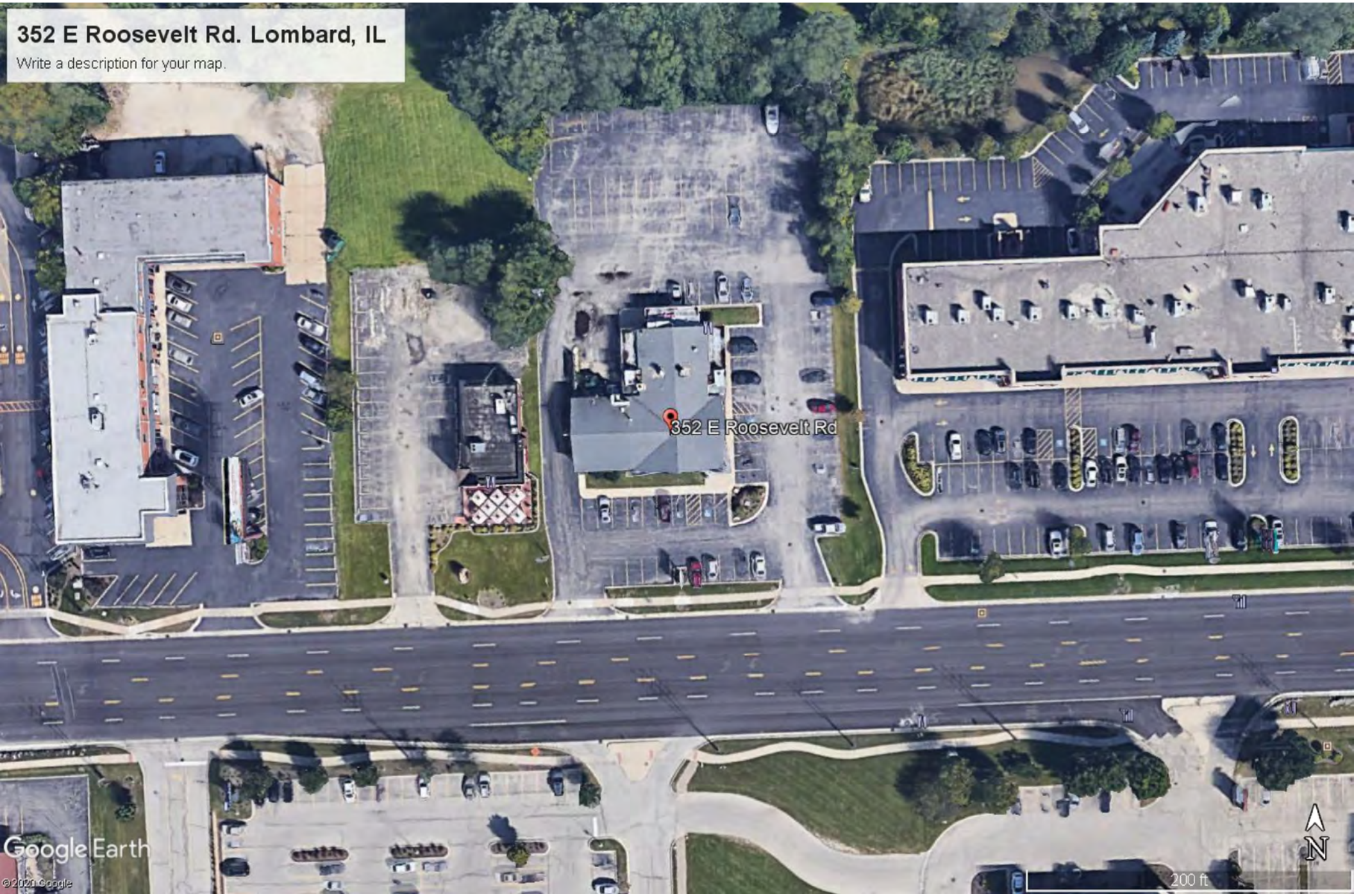
DATED AT BARTLETT, FEBRUARY 28, 2000

ROCCO J. MARCHESE
3039
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
BARTLETT, IL

Rocco J. Marchese
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3039

NOT VALID UNLESS SEAL IS IN RED INK.

ANY REPRODUCTION OF THIS PLAT IS STRICTLY PROHIBITED WITHOUT WRITTEN CONSENT FROM MARCHESE SURVEYING, INC.


352 E Roosevelt Rd. Lombard, IL
Write a description for your map.
352 E Roosevelt Rd
Google Earth
© 2020 Google
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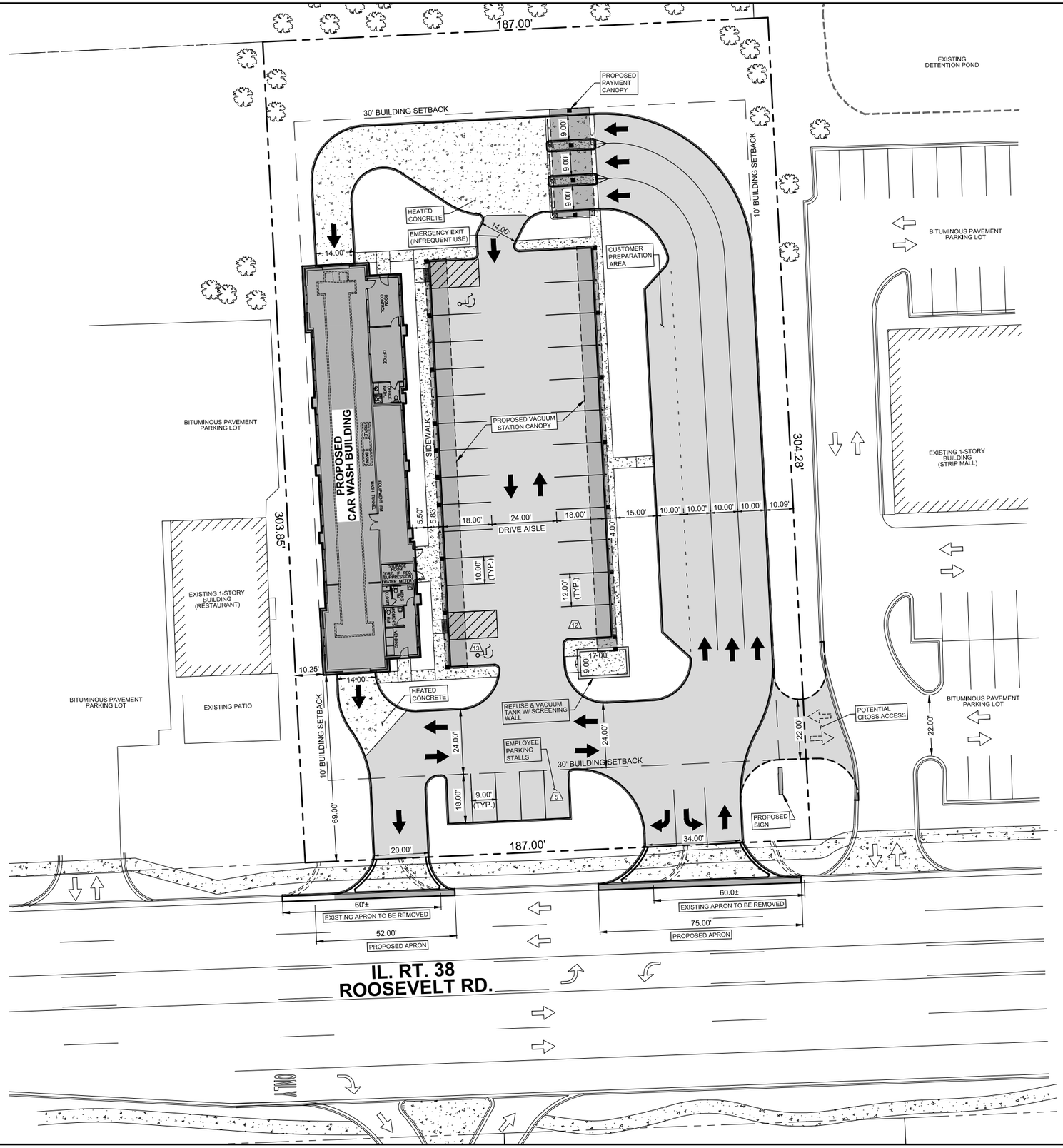


EXISTING LOT DATA:

ADDRESS:	352 E ROOSEVELT RD. LOMBARD, IL 60148
PIN#:	0617316007
ACREAGE:	TOTAL = 1.31 ± (FROM DuPAGE COUNTY GIS)
ZONING:	B4A - ROOSEVELT ROAD CORRIDOR

PARKING SUMMARY:

EMPLOYEE STALLS:	5
ADA / VACUUM STALLS:	2
VACUUM STALLS:	23
TOTAL STALLS:	30

PROPOSED LOT COVERAGE DATA:

TOTAL AREA	= 1.31 AC. ±
IMPERVIOUS AREA	= 0.84 AC. (64.1%)±
PERVIOUS AREA	= 0.47 AC. (35.9%)±

NOTES:

1. PROPERTY LINE DATA SHOWN WAS DOWNLOADED FROM DUPAGE COUNTY ILLINOIS GIS.
2. EXISTING IMPROVEMENTS SHOWN WAS DRAWN FROM DUPAGE COUNTY AND GOOGLE AERIALS.
3. THIS PLAN IS A CONCEPTUAL PLAN NOT FOR CONSTRUCTION.

LEGEND

- PARKING STALLS IN EACH ROW
- PAINTED ACCESSIBILITY PARKING SYMBOL
- PROPOSED B-6 CONCRETE BARRIER CURB
- DIRECTIONAL TRAFFIC ARROW
- PROPOSED BITUMINOUS PAVEMENT
- PROPOSED CONCRETE

PREPARED FOR:

CAR WASH Pro Designers
Design, Development, Consulting

PREPARED BY:

TERRA CONSULTING GROUP, LTD.
TERRALTD.COM
600 Busse Highway
Park Ridge, IL 60068
Ph: 847-698-6400

SUBMITTALS AND REVISIONS

No.	DESCRIPTION	DATE

PRELIMINARY SITE IMPROVEMENTS

CAR WASH FACILITY

AT

352 E ROOSEVELT RD.
LOMBARD, IL 60148

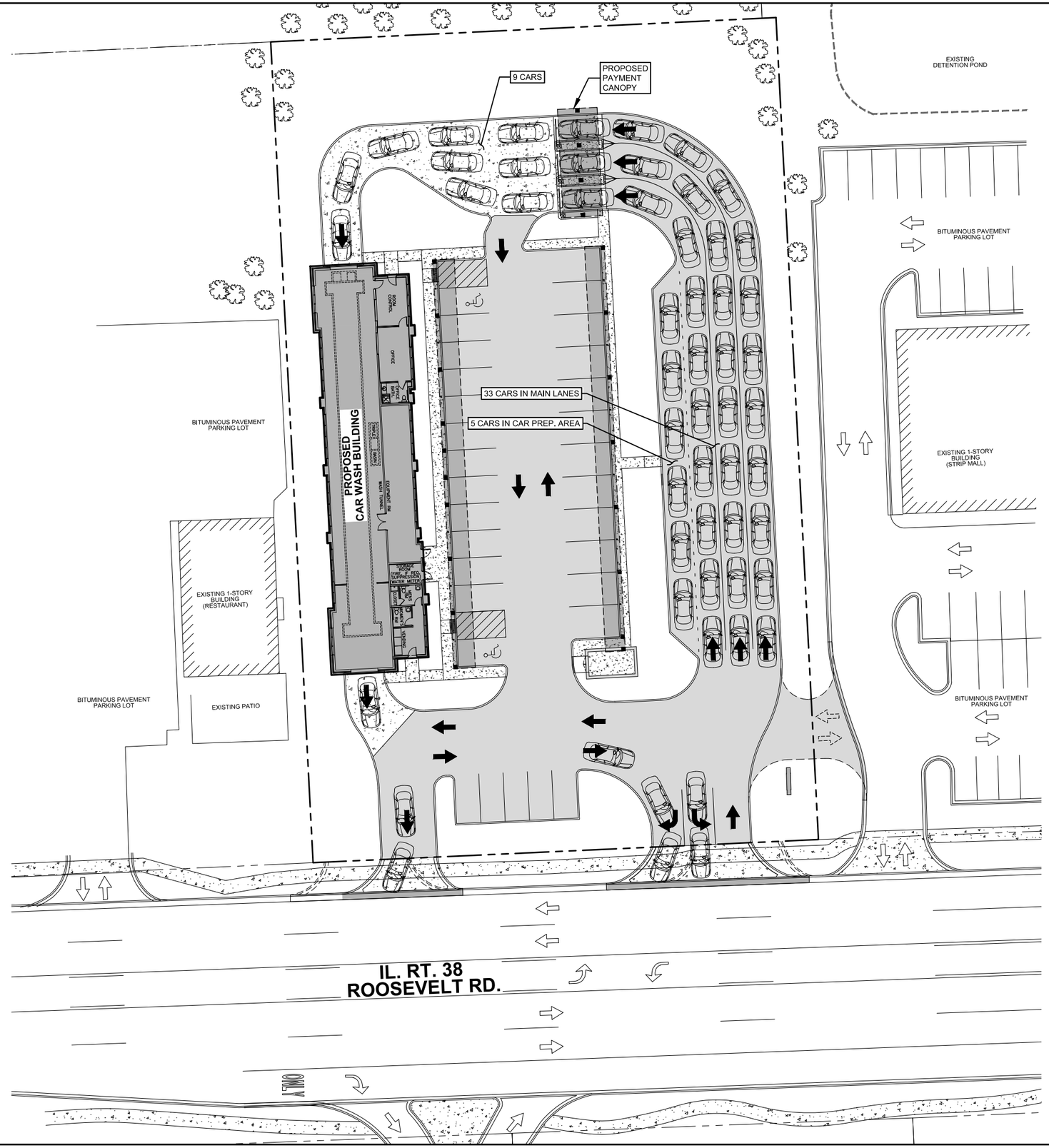
DESIGNED BY:	M.S.E.
DRAWN BY:	K.S.B.
DATE:	11/12/2020
PROJECT #:	1564

SHEET TITLE

SITE EXHIBIT

SHEET NUMBER

1
OF 4

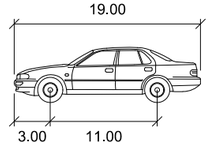


N

0 10' 20' 40'

SCALE: 1" = 20'

PRINTED ON 11"X17" WILL PRODUCE SCALE OF 1"=40'



PASSENGER CAR (TYPICAL)
ILDOT 2017 (US)

		feet
Width	:	7.00
Track	:	6.00
Lock to Lock Time	:	6.0
Steering Angle	:	31.5

NOTE:
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).

PREPARED FOR:

CAR WASH Pro Designers
Design, Development, Consulting

PREPARED BY:

TERRA CONSULTING GROUP, LTD.
TERRALTD.COM
600 Busse Highway
Park Ridge, IL 60068
Ph: 847-698-6400

SUBMITTALS AND REVISIONS

No.	DESCRIPTION	DATE

PRELIMINARY SITE IMPROVEMENTS

CAR WASH FACILITY

AT

352 E ROOSEVELT RD.
LOMBARD, IL 60148

DESIGNED BY:	M.S.E.
DRAWN BY:	K.S.B.
DATE:	11/12/2020
PROJECT #:	1564

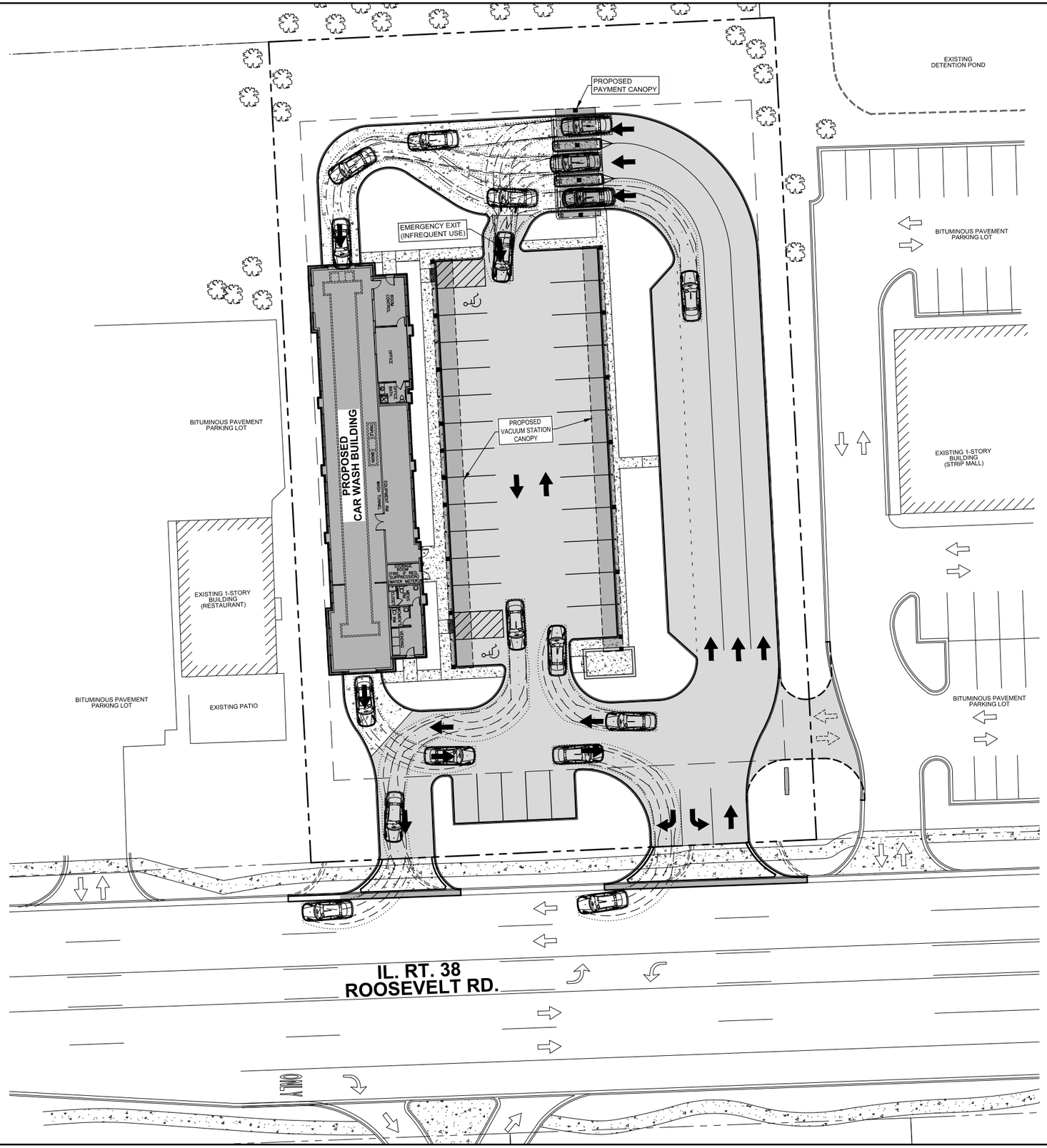
SHEET TITLE

CAR QUEUE LINE EXHIBIT

SHEET NUMBER

2

OF 4



N

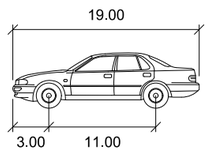
0 10' 20' 40'

SCALE: 1" = 20'

PRINTED ON 11"X17" WILL PRODUCE SCALE OF 1"=40'

LEGEND

- FRONT WHEEL PATH
- REAR WHEEL PATH
- OVERHANG OF BODY



PASSENGER CAR (TYPICAL)
ILDOT 2017 (US)

		feet
Width	:	7.00
Track	:	6.00
Lock to Lock Time	:	6.0
Steering Angle	:	31.5

NOTE:
THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO).

PREPARED FOR:

CAR WASH Pro Designers
Design, Development, Consulting

PREPARED BY:

TERRA CONSULTING GROUP, LTD.
TERRALTD.COM
600 Busse Highway
Park Ridge, IL 60068
Ph: 847-698-6400

SUBMITTALS AND REVISIONS

No.	DESCRIPTION	DATE

PRELIMINARY SITE IMPROVEMENTS

CAR WASH FACILITY

AT

352 E ROOSEVELT RD.
LOMBARD, IL 60148

DESIGNED BY:	M.S.E.
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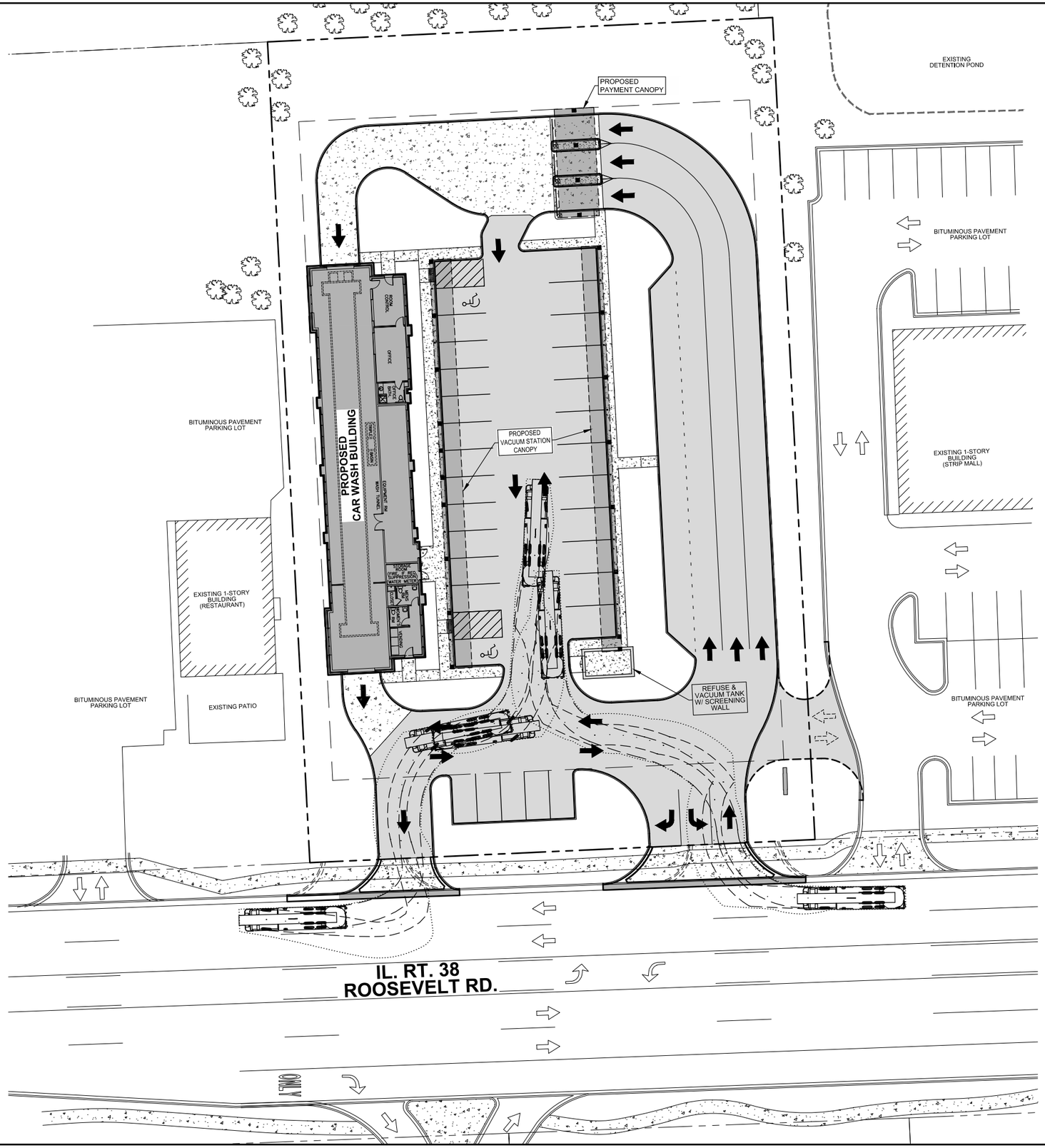
SHEET TITLE

CAR TURNING EXHIBIT

SHEET NUMBER

3

OF 4



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SCALE: 1" = 20'

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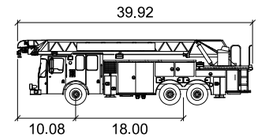
LEGEND

- FRONT WHEEL PATH
- REAR WHEEL PATH
- OVERHANG OF BODY



SMEAL AERIAL RM 100FT

	feet
Width	: 8.33
Track	: 7.92
Lock to Lock Time	: 6.0
Steering Angle	: 45.0

NOTE:
DIMENSION DATA IS FROM THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND TRUCK MANUFACTURER'S SPECIFICATIONS.

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SUBMITTALS AND REVISIONS

No.	DESCRIPTION	DATE

PRELIMINARY SITE IMPROVEMENTS

CAR WASH FACILITY

AT

**352 E ROOSEVELT RD.
LOMBARD, IL 60148**

DESIGNED BY:	M.S.E.
DRAWN BY:	K.S.B.
DATE:	11/12/2020
PROJECT #:	1564

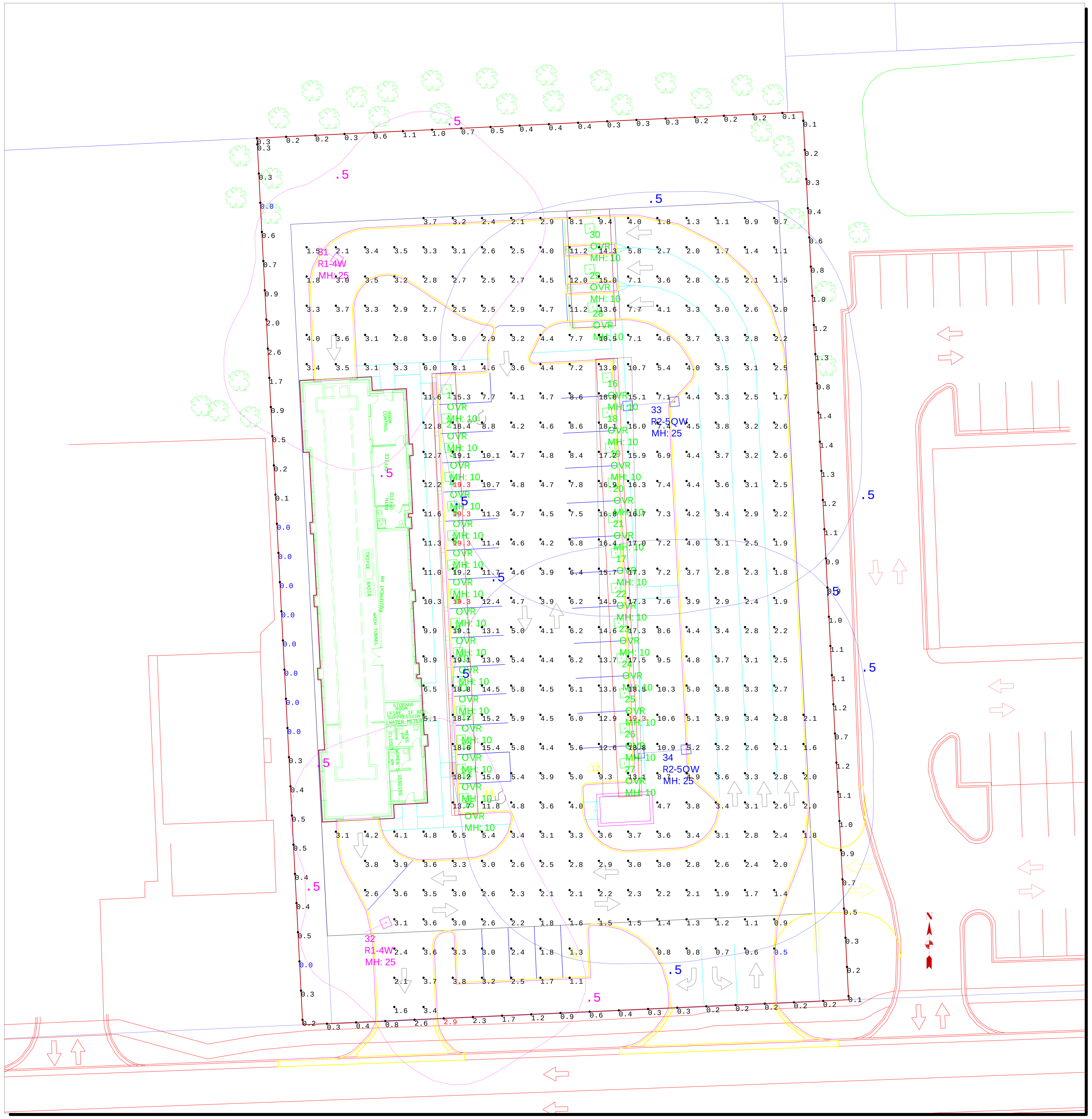
SHEET TITLE

FIRE TRUCK TURNING EXHIBIT

SHEET NUMBER

4

OF 4



Scale: 1 inch= 20 Ft.

Luminaire Location Summary

LumNo	Label	X	Y	Z	Orient	Tilt
1	OVR	1072856	1892132	10	5	0
2	OVR	1072856	1892122	10	5	0
3	OVR	1072857	1892112	10	5	0
4	OVR	1072857	1892102	10	5	0
5	OVR	1072858	1892092	10	5	0
6	OVR	1072858	1892082	10	5	0
7	OVR	1072858	1892072	10	5	0
8	OVR	1072859	1892062	10	5	0
9	OVR	1072859	1892052	10	5	0
10	OVR	1072860	1892042	10	5	0
11	OVR	1072860	1892032	10	5	0
12	OVR	1072861	1892022	10	5	0
13	OVR	1072861	1892012	10	5	0
14	OVR	1072861	1892002	10	5	0
15	OVR	1072862	1891992	10	5	0
16	OVR	1072911	1892136	10	185	0
17	OVR	1072914	1892076	10	185	0
18	OVR	1072911	1892124	10	185	0
19	OVR	1072912	1892112	10	185	0
20	OVR	1072913	1892100	10	185	0
21	OVR	1072913	1892088	10	185	0
22	OVR	1072914	1892064	10	185	0
23	OVR	1072915	1892052	10	185	0
24	OVR	1072916	1892040	10	185	0
25	OVR	1072917	1892028	10	185	0
26	OVR	1072917	1892016	10	185	0
27	OVR	1072917	1892004	10	185	0
28	OVR	1072906	1892160	10	5	0
29	OVR	1072905	1892173	10	5	0
30	OVR	1072905	1892187	10	5	0
31	R1-4W	1072812	1892181	25	325	0
32	R1-4W	1072828	1891946	25	25	0
33	R2-5QW	1072926	1892127	25	5	0
34	R2-5QW	1072930	1892008	25	185	0

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DRIVES & PKG LOT_Planar	Illuminance	Fc	5.95	19.3	0.5	11.90	38.60
PROPERTY LINE	Illuminance	Fc	0.64	2.9	0.0	N.A.	N.A.
PAY BOOTH CANOPY	Illuminance	Fc	11.93	15.0	8.1	1.47	1.85
VACUUM CANOPY 1	Illuminance	Fc	18.36	19.3	13.7	1.34	1.41
VACUUM CANOPY 2	Illuminance	Fc	16.51	19.3	10.7	1.54	1.80

Parking Lot Design Guide	Basic (for typical conditions)	Basic Enhanced Security (in consideration of personal security or vandalism)	Security (security lighting for public spaces)	High Security (security lighting for public spaces)
	lux/fc	lux/fc	lux/fc	lux/fc
Minimum Horizontal Illuminance (Measured on parking surface without any shadowing from any object)	2.0/0.2	5.0/0.5	10.0/1.0	30.0-60.0/3.0-6.0
Uniformity Ratio Maximum - to - Minimum	20:1	15:1	15:1	*4:1 *Avg-Min
Minimum Vertical Illuminance (for facial recognition measured at 5' above the parking surface at the point of lowest horizontal illuminance)	1.0/0.1	2.5/0.25	5.0-8.0/0.5-0.8	12-60/1.2-6.0

Recommendations based on RP-33-99, RP-20-98, 9th Edition IESNA Lighting Handbook

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Lum. Watts	Arr. Watts	Lum. Lumens	Arr. Lum. Lumens	LLF	Description	[MANUFAC]
	30	OVR	SINGLE	43.52	43.52	5801	5801	0.900	LCG-CP-45W-U-40K-XX-D1	SLOANLED
	2	R1-4W	SINGLE	143	143	20492	20492	0.900	ASL2-320L-145-4K7-4W-U	HUBBELL OUTDOOR
	2	R2-5QW	BACK-BACK	143	286	21024	42048	0.900	ASL2-320L-145-4K7-5QW-U	HUBBELL OUTDOOR

READINGS TAKEN @ GRADE LEVEL

Lighting Application drawings are being provided to the recipient of this disclaimer. We make no representation as to its completeness, currency or accuracy because of reasons inherent to CAD and the additional digital data used to produce a lighting application. All digital CAD data appear to be extremely accurate, however, this apparent accuracy is an artifact of the techniques used to generate it, and is in no way intended to imply actual accuracy. The user of this data takes full responsibility for the accuracy and correctness of all measurements, area, inventories or other data extracted from this, either manually or with the use of a computer. This light level analysis is an estimate only, and is based on estimated reflectance values for interior applications or estimated pole locations based on specified light levels for exterior applications. Any variance from reflectance values, obstructions, light loss factors or dimensional data will affect the actual light levels obtained. This analysis is a mathematical model and can be only as accurate as is permitted by the third party software and the IES standards used. In additioncalculated values may vary from actual measurements in certain situations due to variances, such as but not limited to, lamp output, input voltage, ballast variances, manufacturing tolerances and application variances. The presence of objects will decrease light levels and may cause some shadowing.

enlighten

#	Date	Comments

Revisions

Drawn By: Jose Saucedo
Drawn By: jose.saucedoi@pg-enlighten.com
Date:12/17/2020
Scale: 1" = 20'

Project Name:
LOMBARD CARWASH, IL

Client Name:
RAY MORGAN - NERI ARCHITECTS

NEW AUTOMATED CAR WASH FACILITY

LOCATED AT:

352 E. ROOSEVELT RD.

DECEMBER 18, 2020
SUBMITTED TO:

THE VILLAGE OF LOMBARD, ILLINOIS
PLAN COMMISSION / ZONING BOARD OF APPEALS

PROJECT DATA

SCOPE OF WORK: NEW COMMERCIAL BUILDING

APPLICABLE CODES:
VILLAGE OF LOMBARD CODE OF ORDINANCES / AMENDMENTS
INTERNATIONAL BUILDING CODE - 2012 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE - LATEST EDITION
INTERNATIONAL MECHANICAL CODE - 2012 EDITION
INTERNATIONAL FUEL GAS CODE - 2012 EDITION
ILLINOIS STATE PLUMBING CODE
NATIONAL ELECTRICAL CODE - 2017
INTERNATIONAL FIRE CODE - 2012 EDITION
- NFPA 101 LIFE SAFETY CODE
ILLINOIS ACCESSIBILITY CODE / FEDERAL ADA STANDARD - CURRENT

CLIMATE ZONE 5

EXISTING USE: COMMERCIAL BUILDING

BUILDING DESCRIPTION

USE GROUP: **COMMERCIAL CARWASH**

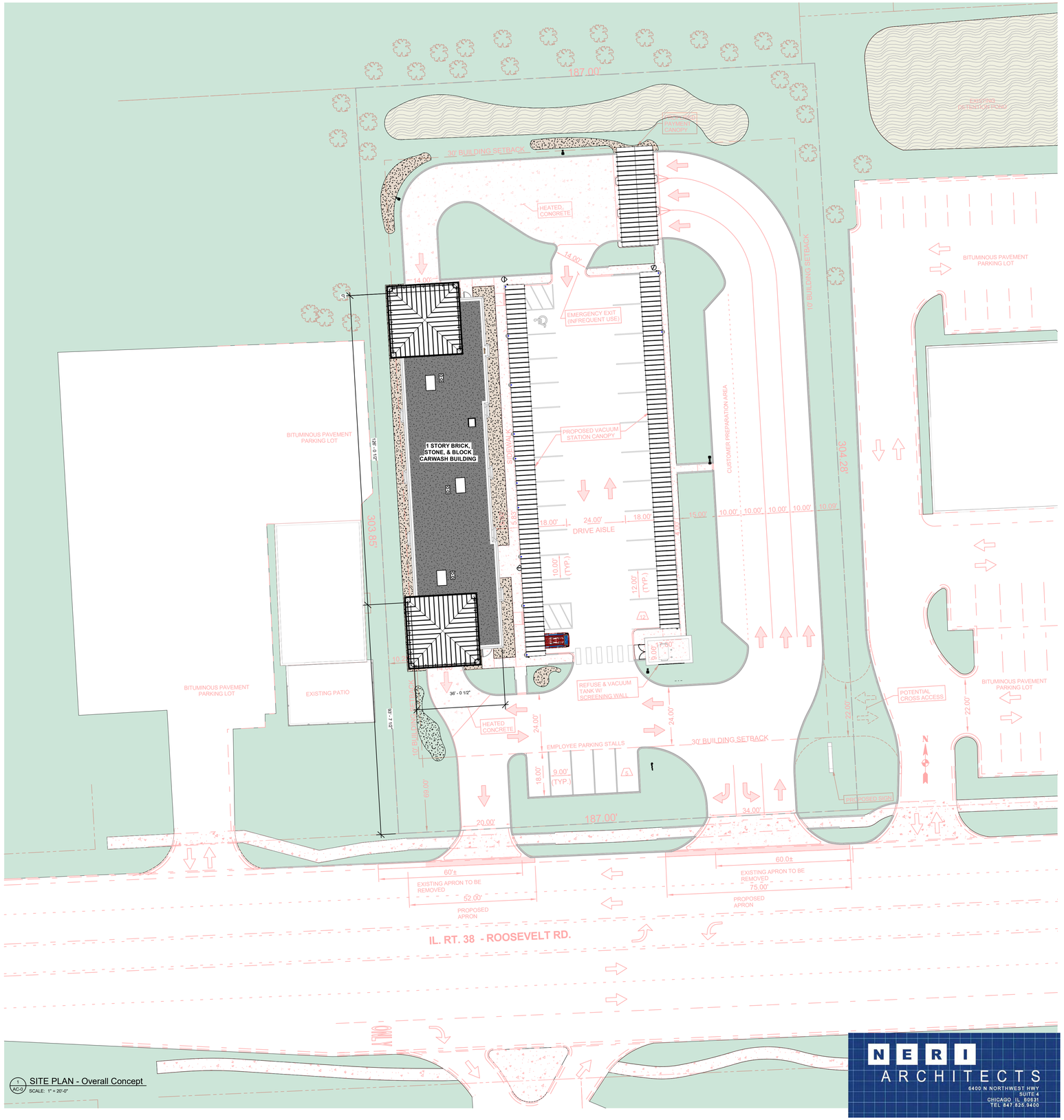
CONSTRUCTION TYPE: **II-B**

BULDING AREA: **ONE STORY (30'-0")**

ZONING DATA

352 E. ROOSEVELT RD.
LOT ZONING: B4A - ROOSEVELT ROAD CORRIDOR
LOT AREA: ± 1.31 ACRE

PROPOSED BUILDING AREA: 4,983



NERI ARCHITECTS
6400 N NORTHWEST HWY
SUITE 4
CHICAGO, IL 60631
TEL 847.825.9400

Planting Schedule per GRAND TRAVERSE BAY REGION DEVELOPMENT GUIDEBOOK

LEGEND	QUANT.	BOTANICAL NAME	COMMON NAME	SIZE	NOTES/SPECIAL CONDITIONS
LARGE TREES (Min. Size at planting 2.5' Caliper)					
AR	5	Acer Rubrum	Red Maple	2.5' caliper / 8' ht	
FN	2	Fraximus Nigra	Black Ash	2.5' caliper / 8' ht	
AB	2	Abies Balsamea	Balsam Fir	6' ht.	
PM	15	Picea Mariana	Black Spruce	6' ht	
SMALL TREES (Min. Size at planting 6' or 2" Caliper)					
MA	4	Magnolia x 'Ann'	Ann Magnolia	6' ht	
AL	2	Amelanchier Laevis	Serviceberry	6' ht	
MS	4	Magnolia Stellata	Star Magnolia	6' ht	
LARGE SHRUB (Min. Size at planting 18" to 24" - plants in mulch beds)					
AA	12	Aronia Melanocarp 'Morton'	Black Chokeberry		4' to 6' mature height
SC	6	Sambucus Canadensis	Elderberry		
FI	65	Forsythia x intermedia	Border Forsythia		
VT	36	Viburnum Trilobum	American Cranberry Bush		
SMALL SHRUB (Min. Size at planting 18" to 24" - plants in mulch beds)					
TC	24	Taxus Canadensis	Canada Yew	30" spr. / 24" ht	
PF	13	Potentilla Fruticosa	Bush Cinquefoil	30" spr. / 24" ht	
ORNAMENTAL GRASS (plants in mulch beds)					
CP	30	Carex Pensylvanica	Sedge	1ft spread	ground cover
PV	27	Panicum Virgatum	Switch Grass		
SA	55	Sesleria Autumnalis	Autumn Moor Grass		
PERENNIALS, GROUNDCOVERS - (plants in mulch beds)					
SN	177	Salvia Nemorosa	New Dimension Blue	2" pot	mature height 2'
VM	150	Vinca minor	Periwinkle	2" pot	mature height 18"
AT	75	Asclepias Tuberosa	Butterfly Weed		
EP	80	Echinacea purpurea	Purple Coneflower		
PY	60	Pycnanthemum Tenuifolium	Slender Mountain Mint		

NOTES:
EXISTING TREE CONDITIONS AND SIZES TO BE SHOWN (TBD).
SHRUBS SHALL NOT EXCEED A MATURE HEIGHT OF THIRTY INCHES (30") ABOVE PAVEMENT ON LANDSCAPE ISLANDS AT THE END OF PARKING ROWS.

Wet Prairie – Detention Basin Mix

Botanical Name	Common Name	Oz./Acre
Permanent grasses	**/ Sedges / Rushes**	
Carex cristatella	Crested Oval Sedge	1.00
Carex lurida	Bottlebrush Sedge	2.00
Carex vulpinoidea	Brown Fox Sedge	6.00
Elymus virginicus	Virginia Wild Rye	12.00
Glyceria striata	Fowl Manna Grass	1.25
Juncus effusus	Common Rush	1.00
Juncus torreyi	Torrey's Rush	0.25
Leersia oryzoides	Rice Cut Grass	1.00
Panicum virgatum	Switch Grass	8.00
Scirpus atrovirens	Dark Green Rush	1.00
Scirpus cyperinus	Wool Grass	0.50
Scirpus fluviatilis	River Bulrush	0.25
Scirpus validus	Great Bulrush	6.00
	Total Oz./Acre	**40.25**
Forbs		
Alisma spp.	Water Plantain Mix	4.25
Asclepias incarnata	Swamp Milkweed	1.50
Bidens spp.	Bidens Mix	2.00
Helenium autumnale	Sneezeweed	2.00
Lycopus americanus	Common Water Horehound	0.25
Mimulus ringens	Monkey Flower	1.00
Penthorum sedoides	Ditch Stonecrop	0.50
Polygonum pensy.	Pinkweed	4.00
Rudbeckia sub.	Sweet Black-Eyed Susan	1.00
Sagittaria latifolia	Common arrowhead	1.00
Senna hebecarpa	Wild Senna	1.00
Thalictrum das.	Purple Meadow Rue	2.00
	Total Oz./Acre	**20.50**

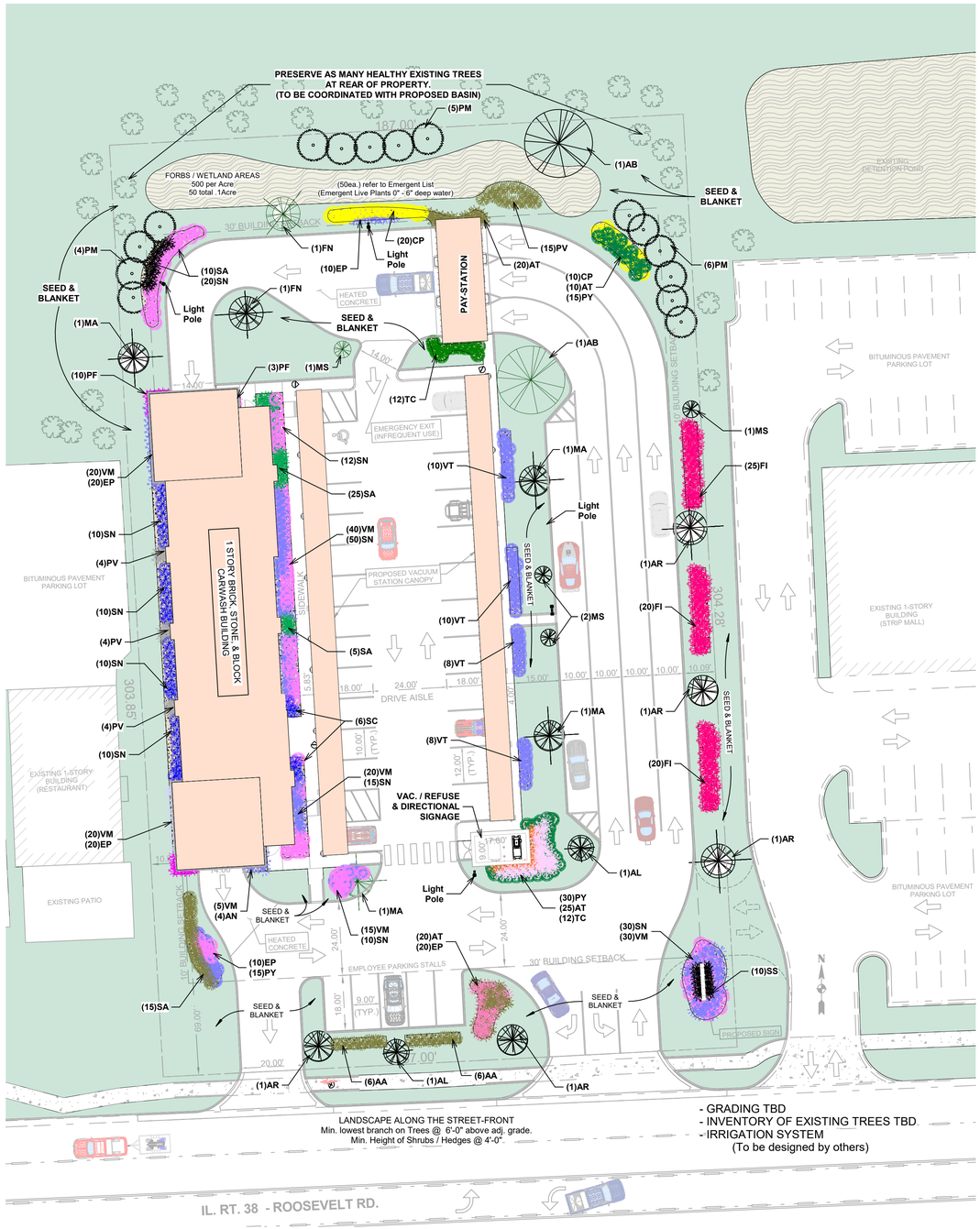
Emergent Live Plants - 0" - 6" deep water

Botanical Name	Common Name	Qty./ Acre
Acorus calamus	Sweet flag	50
Carex Lacustris	Lake Sedge	50
Iris virginica	Iris	50
Justicia americana	Water willow	50
Sagitaria latifolia	Arrowhead	50
Scirpus acutus	Hard stemmed bulrush	50
Scirpus atrovirens	Dark green bulrush	50
Scirpus fluviatilis	River bulrush	50
Sparganium americanum	Bur reed	50
Zizania aquatica	Wild rice	50

CALCULATION BREAKDOWNS PER AREAS REQUIRED PER LOCL CODES
AREAS NOTED ON SITEPLAN.

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT /OWNER IMMEDIATELY OF ANY DISCREPANCIES, OBSTACLES AND/OR PROBLEMS.
2. VERIFICATION OF DIMENSIONS AND GRADES, BOTH EXISTING AND PROPOSED, SHALL BE THE CONTRACTOR'S RESPONSIBILITY PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES.
3. ALL SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM STRUCTURES. SURFACE DRAINAGE SHALL BE DIRECTED TO EXISTING CATCH BASINS DESIGNATED FOR THE COLLECTION OF SURFACE RUN-OFF.
4. CONTRACTOR SHALL NOTIFY OWNER OF ANY UNDESIRABLE DRAINAGE CONDITIONS AND RECOMMEND SUITABLE SOLUTIONS. WHERE NECESSARY TO ACHIEVE PROPER DRAINAGE, UNDER DRAINAGE FOR TREE PITS SHALL BE INSTALLED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
5. LANDSCAPE CONTRACTOR SHALL REPAIR IN KIND ALL AREAS DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS.
6. ALL TREE AND SHRUB BEDS TO RECEIVE A MINIMUM 3" OF SHREDDED HARDWOOD MULCH.
7. ALL GROUND COVER/ PERENNIAL BEDS TO RECEIVE A MINIMUM 2" OF MUSHROOM COMPOST.
8. SIZES SHOWN ON PLANTING PLAN ARE MINIMUM ACCEPTABLE SIZES.
9. LANDSCAPE CONTRACTOR SHALL WARRANT ALL TREES, SHRUBS, VINES, GROUNDCOVERS AND PERENNIALS UNDER THIS CONTRACT WILL BE HEALTHY AND IN FLOURISHING CONDITION OF ACTIVE GROWTH ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
10. SOIL TO BE USED FOR THE PLANTING MEDIUM FOR THE PROJECT SHALL BE FERTILE, WELL DRAINED, OF UNIFORM QUALITY, FREE OF STONES OVER 1" IN DIAMETER, STICKS, OILS, CHEMICALS, PLASTER, CONCRETE AND OTHER DELETERIOUS MATERIALS.
11. THE LANDSCAPE CONTRACTOR SHALL PREPARE PLANTING BEDS BY ADDING SOIL AMENDMENTS TO TOPSOIL MIX IN THE FOLLOWING QUANTITIES: TOPSOIL MIX FOR TREES AND SHRUBS SHALL BE THREE (3) PARTS TOPSOIL, ONE (1) PART PEAT, AND ONE (1) PART SAND. TOPSOIL MIX FOR PERENNIALS, BULBS, AND GROUND COVERS SHALL BE THREE (3) PARTS TOPSOIL, ONE (1) PART SAND AND TWO (2) PARTS DECOMPOSED MUSHROOM COMPOST. SOIL SHALL MEET THE FOLLWING REQUIREMENTS: SOIL COMPOSITION-45-77% SILT, 0-25% CLAY, 25-33% SAND; SOIL ACIDITY: Ph 6.0-7.0; SOIL ORGANIC CONTENT: THREE (3) TO FIVE (5) PERCENT.
12. ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINER GROWN AS SPECIFIED ON PLANTING PLAN. ALL PLASTIC ROOT WRAPPING MATERIAL AND METAL WIRE BASKETS SHALL BE REMOVED.
13. LANDSCAPE CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREES AND PLANTING BED LINES AND HAVE LAYOUT APPROVED BY LANDSCAPE ARCHITECT/OWNER PRIOR TO PLANTING.
14. WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. FLOOD PLANTS TWICE DURING FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.
15. ALL NEW AND TRANSPLANTED PLANTS TO BE SPRAYED WITH AN ANTIDESSICANT WITHIN TWENTY FOUR HOURS AFTER PLANTING. ANTI-TRANSPIRANT SHALL BE EQUAL TO "WILTPROOF."
16. ALL MUD SHALL BE REMOVED FROM ALL TIRES BEFORE LEAVING THE SITE AND ROADS SHALL BE KEPT CLEAR OF MUD AND DEBRIS AT ALL TIMES.
17. THE LANDSCAPING AND SCREENING SPECIFIED HEREIN ARE INTENDED TO FOSTER AESTHETICALLY PLEASING DEVELOPMENT WHICH WILL PROTECT AND PRESERVE THE APPEARANCE, CHARACTER, HEALTH, SAFETY, AND WELFARE OF THE COMMUNITY. COMPLYING WITH THESE REGULATIONS ARE INTENDED TO INCREASE THE COMPATIBILITY OF ADJACENT USES, AND, IN DOING SO, MINIMIZE THE HARMFUL IMPACT OF NOISE, DUST AND OTHER DEBRIS, MOTOR VEHICLE HEADLIGHT GLARE OR OTHER ARTIFICIAL LIGHT INTRUSIONS, AND OTHER OBJECTIONABLE ACTIVITIES OR IMPACTS CONDUCTED OR CREATED BY AN ADJOINING OR NEARBY USE.



LANDSCAPE ALONG THE STREET-FRONT
Min. lowest branch on Trees @ 6'-0" above adj. grade.
Min. Height of Shrubs / Hedges @ 4'-0".

- GRADING TBD
- INVENTORY OF EXISTING TREES TBD
- IRRIGATION SYSTEM (To be designed by others)

IL. RT. 38 - ROOSEVELT RD.

AC-1 LANDSCAPE SITE PLAN-Concept
SCALE: 3/64" = 1'-0"

NERI ARCHITECTS
6400 N NORTHWEST HWY
SUITE 4
CHICAGO, IL 60631
TEL 847.825.9400

2037
12/18/2020 4:18:26 PM
AC-1

1 AC-2 ROOF PLAN -Concept
SCALE: 3/16" = 1'-0"

2037
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AC-2

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ARCHITECTS
6400 N NORTHWEST HWY
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CHICAGO IL 60631
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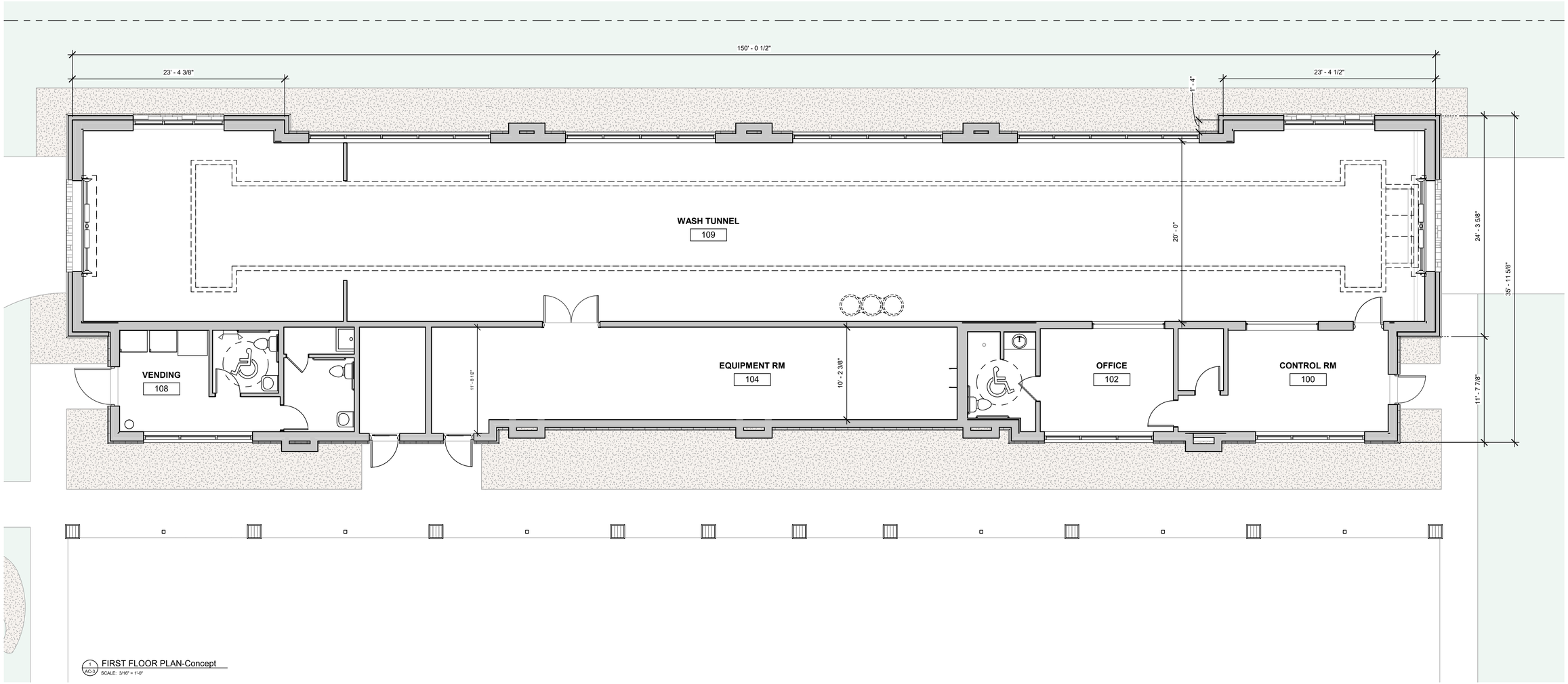

1 AC-3 FIRST FLOOR PLAN-Concept

SCALE: 3/16" = 1'-0"

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AC-3

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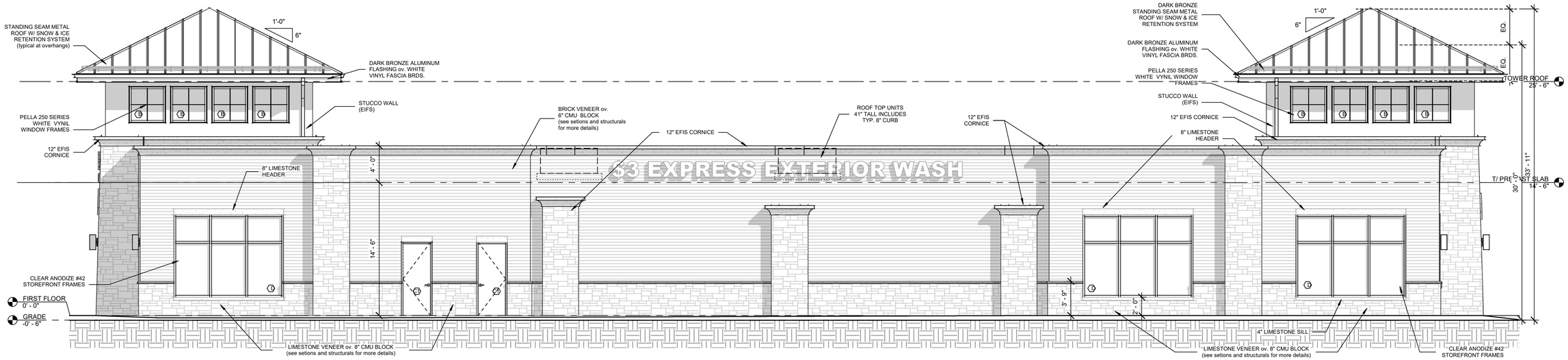


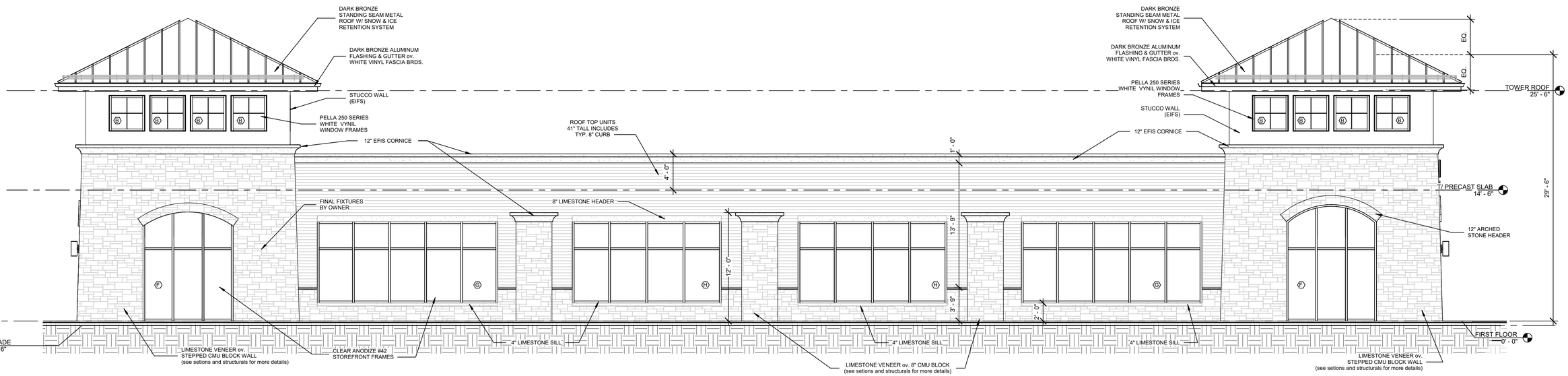
1 AC-4 Main Elevation-East - AC

SCALE: 3/16" = 1'-0"

- ALL ROOFING MATERIALS & METAL WORK SHALL BE COMPLETED by - METAL MASTER / ROOF MASTER (or similar)

- ALL STONE WORK SHALL BE COMPLETED by - ILLINOIS BRICK COMPANY (or similar)

- ALL STOREFRONT UNITS SHALL BE COMPLETED by - NEW TAYLER , Glass, Doors, & Metals INC. (or similar)



2 AC-4 Side Elevation-West - AC

SCALE: 3/16" = 1'-0"

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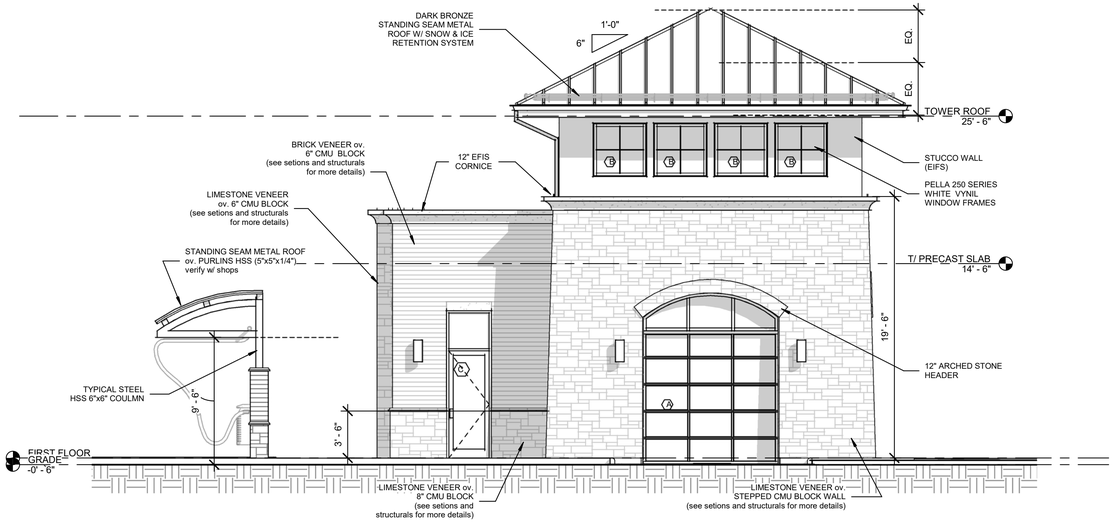
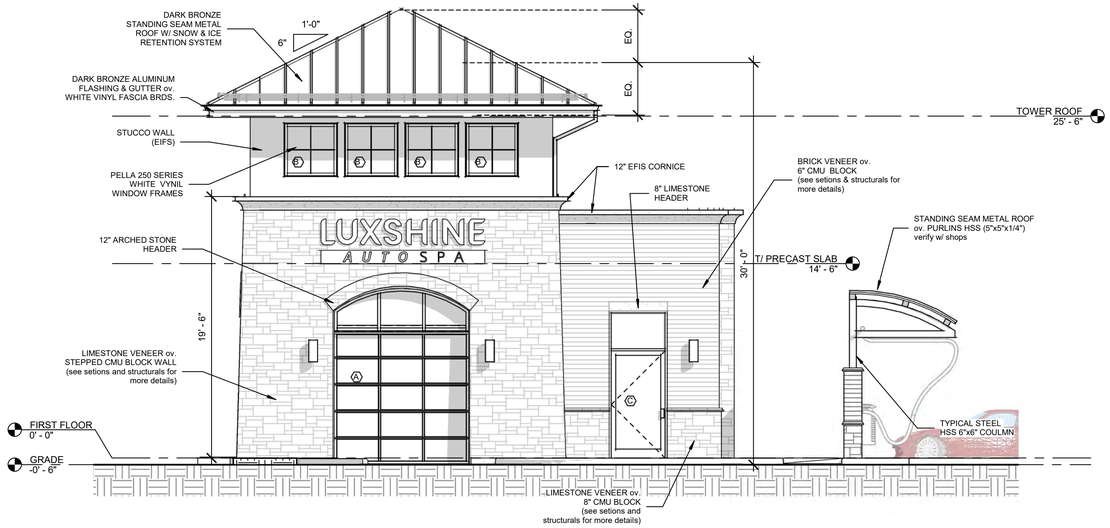
6400 N NORTHWEST HWY
SUITE 4
CHICAGO, IL 60631
TEL 847.825.9400

2037
12/18/2020 4:18:41 PM
AC-4



1 AC-5 Entry Elevation - SOUTH
SCALE: 3/16" = 1'-0"



2 AC-5 Exit Elevation - NORTH
SCALE: 3/16" = 1'-0"

7 AC-5 Pay Station Front Elevation - AC
SCALE: 3/16" = 1'-0"

8 AC-5 PAY STATION PLAN-Concept
SCALE: 3/16" = 1'-0"

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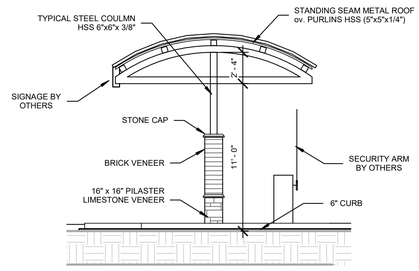
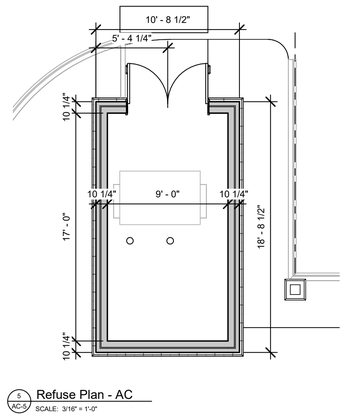
- ALL STONE WORK SHALL BE COMPLETED by - ILLINOIS BRICK COMPANY (or similar)

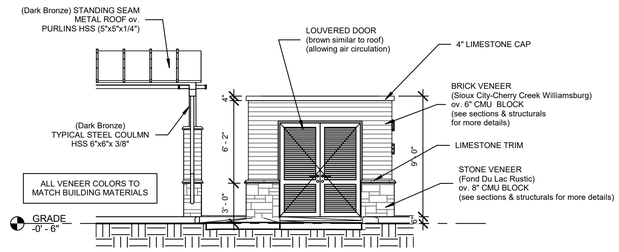
- ALL STOREFRONT UNITS SHALL BE COMPLETED by - NEW TAYLER , Glass, Doors, & Metals INC. (or similar)



6 AC-5 Pay Station Side Elevation - AC
SCALE: 3/16" = 1'-0"



5 AC-5 Refuse Plan - AC
SCALE: 3/16" = 1'-0"



4 AC-5 Refuse (West) - AC
SCALE: 3/16" = 1'-0"

3 AC-5 Refuse (North) - AC
SCALE: 3/16" = 1'-0"

NERI ARCHITECTS
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TEL 847.825.9400

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AC-5

AERIAL VIEW LOOKING NORTHWEST

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SUITE 4
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TEL 847.825.9400

STREET VIEW LOOKING NE

NERI ARCHITECTS
6400 N NORTHWEST HWY
SUITE 4
CHICAGO IL 60631
TEL 847.825.9400

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AC-7

VIEW LOOKING NORTHEAST

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ARCHITECTS
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CHICAGO IL 60631
TEL 847.825.9400

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AC-8

VIEW LOOKING NORTHWEST

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ARCHITECTS
6400 N NORTHWEST HWY
SUITE 4
CHICAGO, IL 60631
TEL 847.825.9400

LOOKING NORTHWEST VACUUMS

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ARCHITECTS
6400 N NORTHWEST HWY
SUITE 4
CHICAGO IL 60631
TEL 847.825.9400

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AC-10

VIEW LOOKING SOUTHEAST

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SUITE 4
CHICAGO IL 60631
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LOOKING SOUTHWEST PAY-STATIONS

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AC-12

NERI ARCHITECTS
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SurfLite 1

LED surface mounted canopy light

LCG-CP

- Tier 1 LED's for high efficacy and long life
- Die cast aluminum housing for excellent cooling and durability
- Superior optic design for low glare and even light distribution
- Slim design fits more applications with low overhead clearance
- Easy to install with J-Box mounting plate
- Screw out plugs on three sides for conduit wiring
- Threaded boss on back allows for pendant tube mounting
- 1-10 V dimming standard

Specifications

Electrical

Input voltage ..... 100-277 VAC, 50-60 Hz

Wattage	Lumens	Efficacy
45 W‡	5,850	130 lm/W
65 W‡	8,450	130 lm/W

Data based on 5000 K model.

Power factor ..... >0.95

Lighting

Beam angle ..... 159°

Color temperature (CCT) ..... 3000 K*, 4000 K, 5000 K

Color rendering (CRI) ..... >70

Performance

Operating temperature ..... -30° C to +45° C

Ingress protection IP65

UL location rating ..... Suitable for wet locations

Life rating ..... >50,000 hours at maximum operating conditions

Dimming ..... 1-10 VDC control on power supply

Construction

Body ..... Die cast aluminum and polycarbonate lens

Finish ..... Bronze and White* powder paint

Dimensions ..... 10.1 in (255.5 mm) square x 3.3 in (83.7 mm)

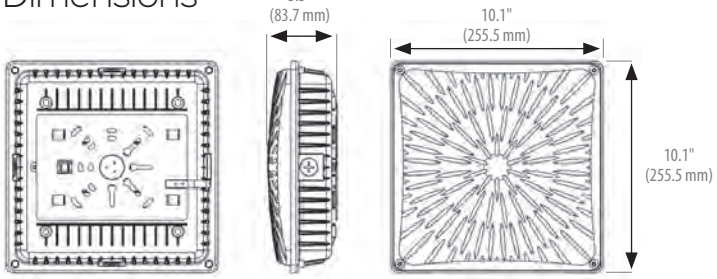
Documentation

Warranty ..... 5-year limited

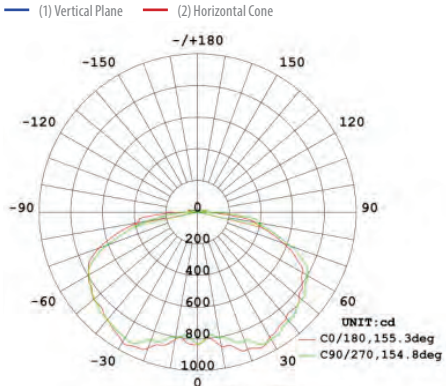
Agency listings ..... CE, DesignLights Consortium® Premium (DLC)†‡, cULus, FCC

* Available by special order, please contact SloanLED for lead times.
† DLC Classified as "Parking Garage" distribution.
‡ DLC Classified as "Low Bay" distribution.

Dimensions



Photometrics



Polar Candela Curves

Ordering information

Part number

Example: LCG-CP-45W-U-40K-BZ-D1

LCG-CP - [ ] **- U -** [ ] **-** [ ] **-D1**

Wattage

Code	Desc.
45W	45 W
65W	65 W

Kelvin temp

Code	Desc.
30K	3000 K*
40K	4000 K
50K	5000 K

Finish

Code	Desc.
BZ	Bronze
WT	White*

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SloanLED® Leaders in LED Technology

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