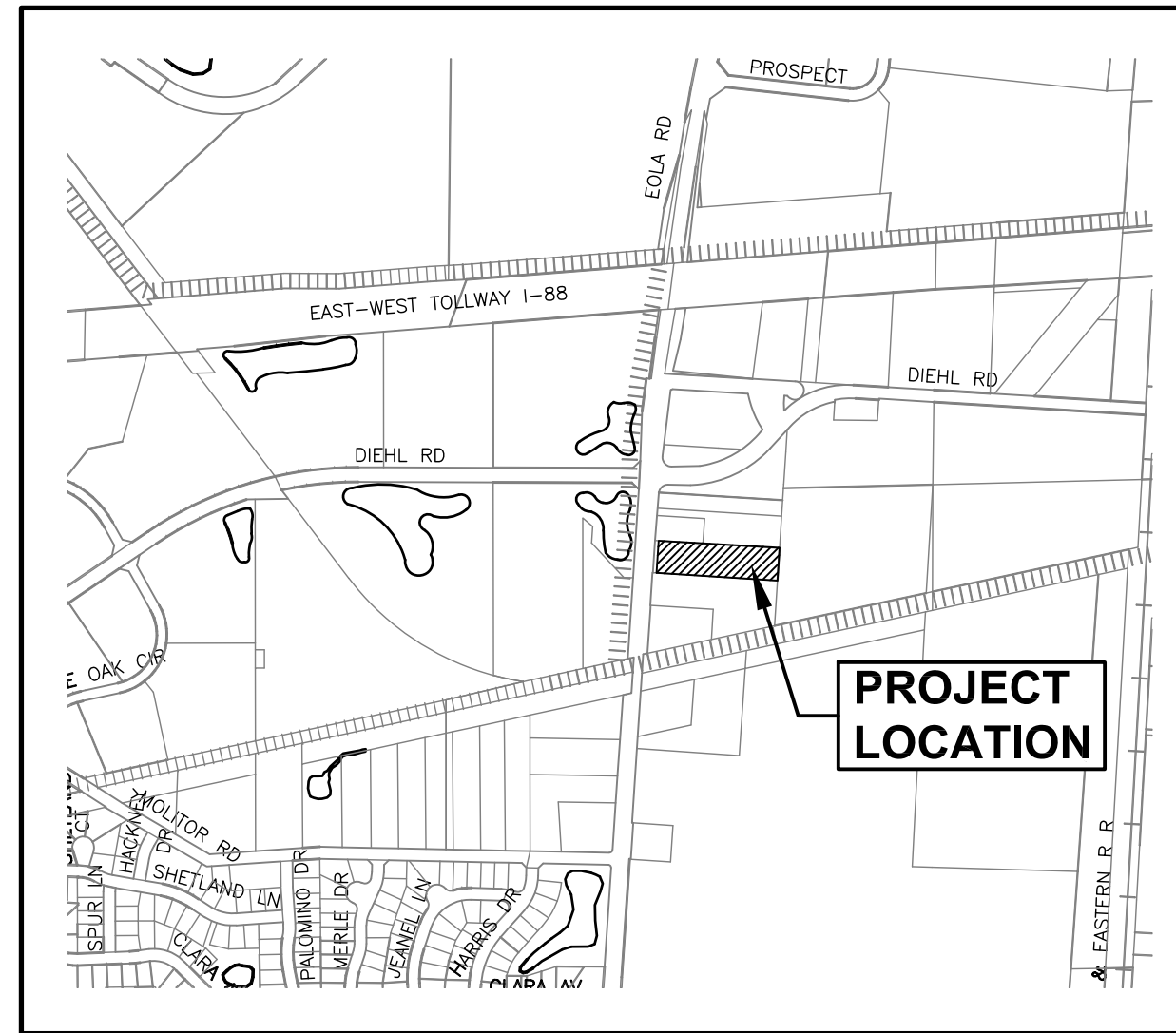


Development Data Table: Final Plan					
Description	Value	Unit	Description	Value	Unit
a) Tax/Parcel Identification Number(s) (PINs): 07-08-103-020			j) Total Number of Residential Dwelling Units	0	units
			i. Gross Density	0.00	du/acre
			ii. Net Density	0.00	Net Density
b) Proposed land use(s): Office/Warehouse/Telecommunications			k) Number of Single Family Dwelling Units	0	units
			i. Gross Density	0.00	du/acre
			ii. Net Density	0.00	Net Density
			iii. Unit Square Footage (average)	-	square feet
c) Total Property Size	1.67008724	Acres	iv. Bedroom Mx	0%	% 1 bdr
	72,749	Square feet		0%	% 2 bdr
d) Total Lot Coverage (buildings and pavement)	47,447	Square feet		0%	% 3 bdr
	65%	Percent		80%	% 4 bdr
e) Open space / landscaping	25,302	Square feet	v. Number of Single Family Corner Lots	0	units
	35%	Percent	l) Number of Single Family Attached Dwelling Units	0	units
f) Land to be dedicated to the School District	0	Acres	i. Gross Density	0.00	du/acre
g) Land to be dedicated to the Park District	0	Acres	ii. Net Density	0.00	Net Density
h) Number of parking spaces provided (individually accessible)	53	spaces	iii. Unit Square Footage (average)	-	square feet
	53	spaces	iv. Bedroom Mx	0%	% 1 bdr
i. surface parking lot	53	spaces		90%	% 2 bdr
perpendicular	51	spaces		10%	% 3 bdr
parallel	0	spaces		0%	% 4 bdr
angled	0	spaces	m) Number of Multifamily Dwelling Units	0	units
handicapped	2	spaces	i. Gross Density	0.00	du/acre
ii. enclosed	0	spaces	ii. Net Density	0.00	Net Density
iii. bike	0	racks	iii. Unit Square Footage (average)	-	square feet
i) Number of buildings	1		iv. Bedroom Mx	0%	Efficiency
	2	stories		40%	% 1 bdr
ii. Building Square Footage (typical)	16,032	square feet		50%	% 2 bdr
iii. Square Footage of retail floor area	0	square feet		10%	% 3 bdr
iv. First Floor Building Square Footage (typical)	8,016	square feet			

FINAL PLAN

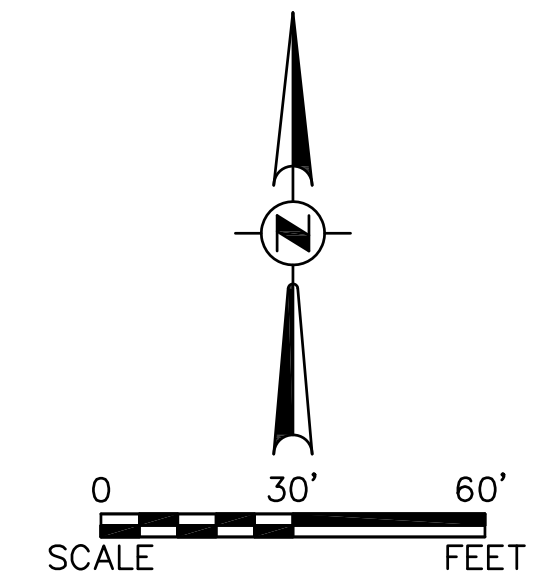
FOR
LOT 2 OF SCIENDEL SOLUTIONS SUBDIVISION
CITY OF AURORA
DUPAGE COUNTY, ILLINOIS



LOCATION MAP
1" = 1,000'

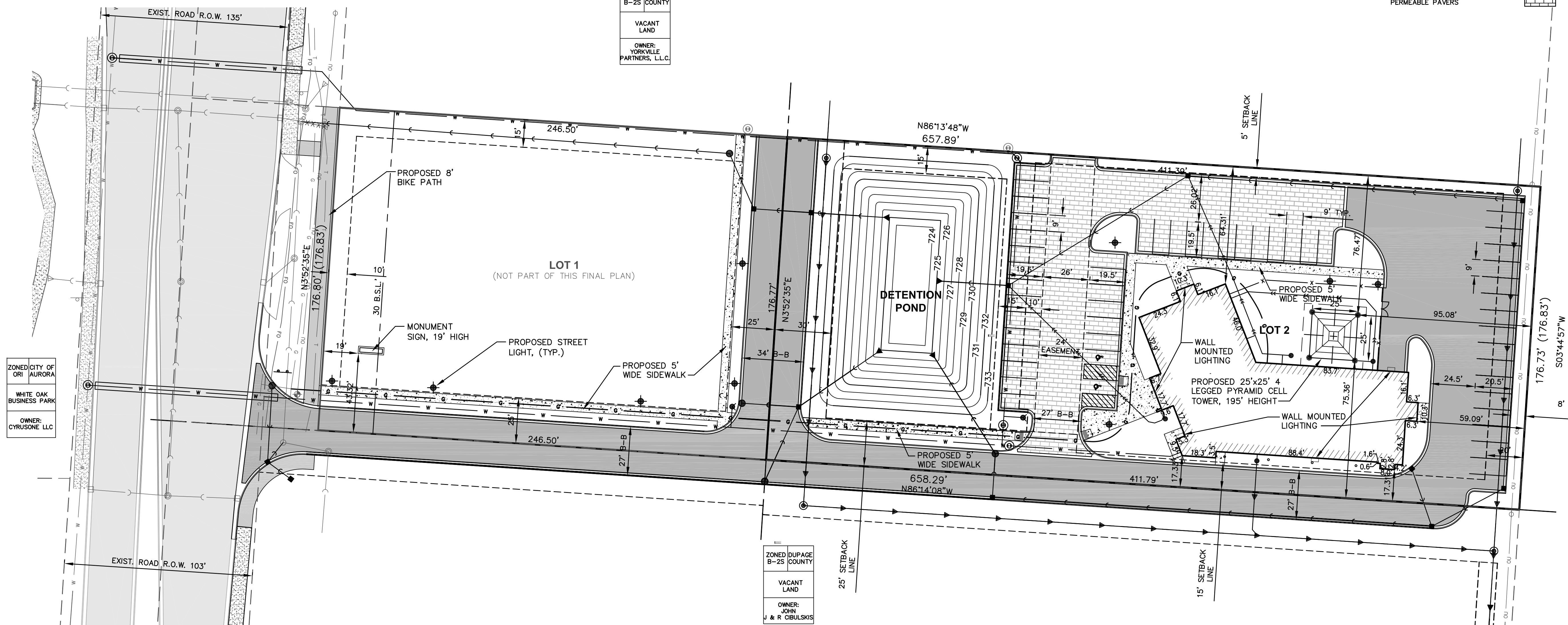
LEGEND

EXISTING	DESCRIPTION	PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	END SECTION	
	ROOF DRAIN CONNECTION	
	WATER MAIN & SIZE	
	WATER SERVICE & BOX	
	SEWER SERVICE	
	CONTOUR	
	GAS MAIN	
	TELEPHONE CABLE	
	FIBER OPTIC	
	OVERHEAD UTILITY	
	CURB AND GUTTER	
	FENCING	
	SILT FENCE	
	MANHOLE	
	CATCH BASIN	
	INLET	
	HYDRANT	
	VALVE VAULT	
	TREE	
	ELEVATION	
	TRENCH BACKFILL	
	STREET LIGHT	
	SIGNS	
	FOUND IRON PIPE	
	GUY WIRE	
	FLAG POLE	
	UTILITY POLE	
	UTILITY PEDESTAL	
	HANDHOLE	
	STRAW BALES	
	ITEM DESIGNATED FOR REMOVAL	
	TREE PROTECTION REQUIRED	
	BITUMINOUS PAVEMENT	
	BITUMINOUS BIKE PATH	
	CONCRETE	
	GRAVEL	
	PERMEABLE PAVERS	



ZONED DUPAGE
B-2S COUNTY
VACANT
LAND
OWNER:
YORKVILLE
PARTNERS, L.L.C.

ZONED DUPAGE
I-2 COUNTY
COMM ED
ELECTRICAL
SUB-STATION
OWNER:
COMMONWEALTH
EDISON



ZONED CITY OF
ORI AURORA
WHITE OAK
BUSINESS PARK
OWNER:
CYRUSONE LLC

ZONED DUPAGE
B-2S COUNTY
VACANT
LAND
OWNER:
JOHN
& R. CIBULSKIS

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Sugar Grove, Illinois 60554
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SCIENDEL SOLUTIONS
948 SPRINGER DRIVE
LOMBARD, ILLINOIS 60148

NO.	DATE	REVISIONS
2	3/29/18	PER CITY COMMENTS
1	3/15/18	PER CITY COMMENTS

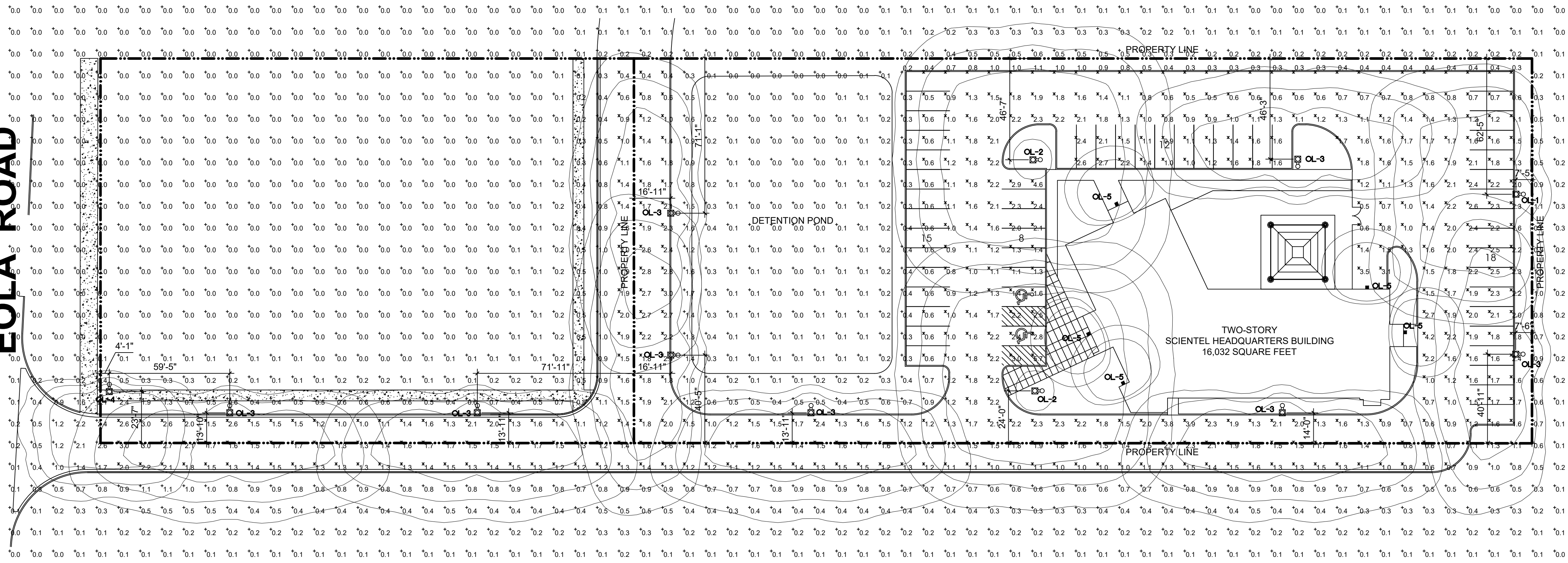
SCIENDEL SOLUTIONS
EOLA ROAD SITE
AURORA, ILLINOIS

FINAL PLAN
FOR LOT 2 OF
SCIENDEL SOLUTIONS SUBDIVISION

DATE:	MARCH 2018
PROJECT NO:	P16039
	P16039-FINAL PLAN
SHEET	1 OF 1

Plotted: April 23, 2018 @ 3:39 PM By: Kris Pung - Tab: 01 Final Plan (24x36)

Path: \\S03KPROJ\PI6039\DWG_FINAL_ENG\PI6039-FINAL.PLAN



AREA LIGHTING STUDY
SCALE: 1" = 30'-0"

GENERAL ELECTRICAL NOTES

- ALL WORK SHALL COMPLY WITH NATIONAL ELECTRICAL CODE 2008 AND ALL APPLICABLE CODES AND STANDARDS IMPOSED BY THE STATE OF ILLINOIS.
- COMPLY WITH APPLICABLE NECA/IBS BEST PRACTICE STANDARDS.
- WHERE PERTINENT TO THE INSTALLATION OF HIS WORK, THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL HIS OWN CUTTING, PATCHING, CORING, SEALING, TRENCHING, DEWATERING, SPOIL REMOVAL, BACKFILLING, COMPACTION, AND SITE RESTORATION INCLUDING ALL SIDEWALKS, SURFACES, GRADES, AND LANDSCAPING (OUTSIDE OF ANY SCHEDULED SITE RESTORATION WORK).
- ALL OVER-THE-ROAD OR TRAILERED EQUIPMENT THAT HAS BECOME MUDDY DURING THE COURSE OF THE WORK MUST BE CLEANED PRIOR LEAVING THE SITE. CONTRACTOR IS COMPLETELY RESPONSIBLE FOR IMMEDIATE CLEANING OF ABE STREET AND ACCESS ROADS OF MUD DEPOSITED BY HIS EQUIPMENT.
- VERIFY ALL EXISTING CONDITIONS IN THE FIELD. BIDS SHALL BE BASED ON FIELD MEASUREMENTS AND OBSERVATIONS. COMMENCEMENT OF WORK INFERS ACCEPTANCE OF ALL EXISTING CONDITIONS. COORDINATE FINAL LOCATION WITH FIELD LAYOUT. REVIEW WITH OWNER PRIOR TO INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR SITE UTILITY LOCATING PRIOR TO DIGGING. COORDINATE WITH OWNER FOR LOCATION OF PRIVATE FACILITIES.

J.U.L.I.E.
CALL 1-800-892-0123
48 Hours (2 working days) Before You Dig.

KEYNOTES

TSUNAMI SERIES-LED

SPECIFICATIONS

HOUSING
Heavy cast low copper aluminum assembly (A356 alloy, <2% copper) minimum wall thickness .188" with integral cooling ribs surrounding the electrical compartment. The optical and electrical compartments are integrated with the support arm to create one assembly. Minimum wall thickness is .14". Cast and hinged driver compartment cover is integrated with wiring compartment cover.

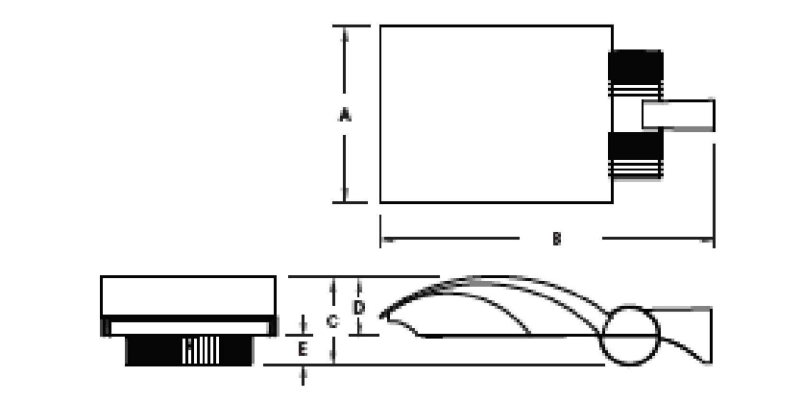
OPTICAL MODULE
Low copper A356 alloy (<2% copper) cast aluminum housing. Integrated clear tempered glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Module is sealed to meet an IP67 rating. Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module, one from 0° - 50°, one from 50° - 65°, one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord.

LED DRIVER
Drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Constant current driver is electronic and has a power factor of >0.90 and a minimum operating temperature of 40°F. Drivers accept an input of 120-277V, 50/60Hz. (0 - 10V dimmable driver is standard. Drivers accept an input of 120-277V, 50/60Hz or 347-480V, 50/60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS
High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult factory for other LED options.

AMBER LED'S
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to IPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.



FIXTURE	A	B	C	D	E
TSU	19"	37"	9.79"	4.5"	3.29"
	483mm	943mm	248mm	115mm	83mm
TSUM	15"	29.5"	7.875"	5.29"	2.425"
	381mm	749mm	200mm	133mm	61mm

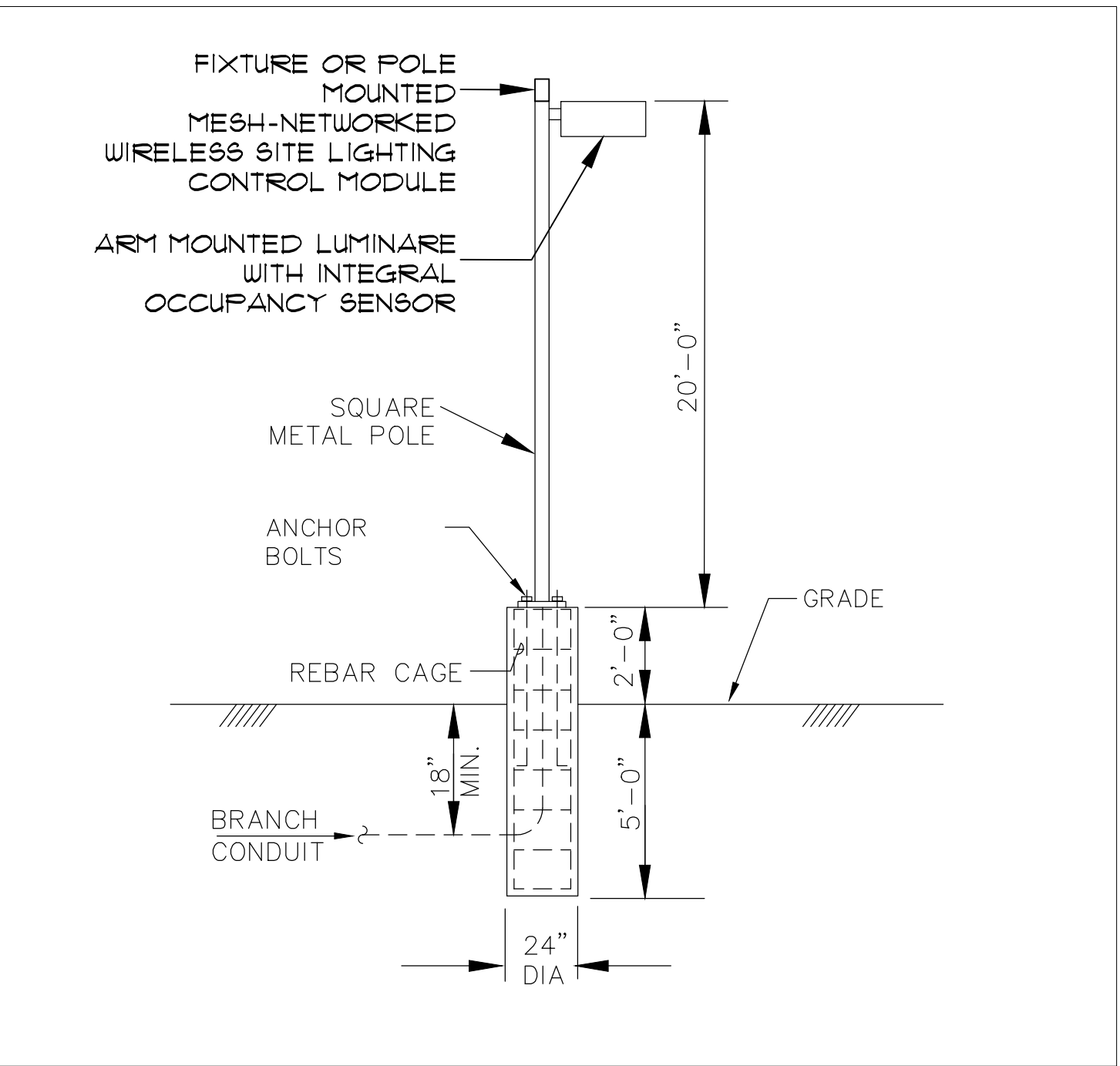


Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
General Area	+	0.6 fc	5.7 fc	0.0 fc	N/A	N/A
Driveways & Park'g	X	1.5 fc	5.7 fc	0.4 fc	14.3:1	3.8:1

Photometric Data Table

Description	Value	Unit	
Total proposed external lumens	129,749	Lumens	
Total square footage of area to be illuminated.	46,456	Square Feet	
Fixture #	Description	Value	Unit
OL1	i) Type of Fixture (i.e. Pole, Wall Mounted)	ARMPOLE	
	ii) manufacturer and model number(s)	US ARCHITECTURAL	TSU-VLED-IV-80LED-525mA-NW-HS
	iii) Number of these Fixtures Shown	1	Fixtures
	iv) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	Type IV Forward throw
	v) Lumen output and wattage per Fixture	12340/125.6	Lumen/Wattage
	vi) Mounting Height / Fixture Height	22	Feet
OL2	i) Type of Fixture (i.e. Pole, Wall Mounted)	ARMPOLE	
	ii) manufacturer and model number(s)	US ARCHITECTURAL	TSU-VLED-VSQ-120LED-525mA-NW
	iii) Number of these Fixtures Shown	2	Fixtures
	iv) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	Type V
	v) Lumen output and wattage per Fixture	18758/191.5	Lumen/Wattage
	vi) Mounting Height / Fixture Height	22	Feet
OL3	i) Type of Fixture (i.e. Pole, Wall Mounted)	ARMPOLE	
	ii) manufacturer and model number(s)	US ARCHITECTURAL	TSU-VLED-II-80LED-525mA-NW-HS
	iii) Number of these Fixtures Shown	8	Fixtures
	iv) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	TYPE II
	v) Lumen output and wattage per Fixture	7818/124.9	Lumen/Wattage
	vi) Mounting Height / Fixture Height	22	Feet
OL4	i) Type of Fixture (i.e. Pole, Wall Mounted)	ARMPOLE	
	ii) manufacturer and model number(s)	US ARCHITECTURAL	TSU-VLED-IV-64LED-350mA-NW-HS
	iii) Number of these Fixtures Shown	1	Fixtures
	iv) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	Type IV Forward throw
	v) Lumen output and wattage per Fixture	5274/67.7	Lumen/Wattage
	vi) Mounting Height / Fixture Height	15	Feet
OL5	i) Type of Fixture (i.e. Pole, Wall Mounted)	WALL MOUNTED	w/ EM BATTERY PACK
	ii) manufacturer and model number(s)	RAB	WPLED26N Series
	iii) Number of these Fixtures Shown	5	Fixtures
	iv) Lamp source type (bulb type, i.e. high pressure sodium, LED)	LED	
	v) Lumen output and wattage per Fixture	2415/29.7	Lumen/Wattage
	vi) Mounting Height / Fixture Height	15	Feet



3 CONCEPTUAL POLE MOUNTING .
SCALE: NONE

2 LUMINAIRE CUTSHEET
SCALE: NONE

1 PHOTOMETRIC STATISTICS
SCALE: NONE