DEVELOPMENT REVIEW COMMITTEE

Tuesday, September 12, 2023, at 10:00 AM
Court Room/Council Chambers (2nd Floor) and Online
275 W. Main Street, Santaquin, UT 84655

MEETINGS HELD IN PERSON & ONLINE

The public is invited to participate as outlined below:

- **In Person –** Meetings are held on the 2nd floor in the Court Room/Council Chambers at City Hall
- **YouTube Live –** Public meetings will be shown live on the Santaquin City YouTube Channel, which can be found at https://bit.ly/2P7ICfQ
  or by searching for Santaquin City Channel on YouTube.

ADA NOTICE

If you are planning to attend this Public Meeting and due to a disability need assistance in understanding or participating in the meeting, please notify the City Office ten or more hours in advance and we will, within reason, provide what assistance may be required.

AGENDA

NEW BUSINESS

1. **Deer Haven (Vincent Ridge) Subdivision Concept Plan**

   A concept plan review for the Deer Haven Subdivision, previously known as the Vincent Ridge Subdivision, the plan includes seven lots located at approximately 450 S. 900 E.

2. **Provstgaard Acres Plat B Preliminary/Final Plan Review**

   A Preliminary/Final Plan review of a 2-lot subdivision located at approximately 39 E 900 S.

3. **BDS Commercial/Industrial Site Plan**

   A site plan review of a proposed commercial/industrial site located at approximately 390 N. Summit Ridge Parkway.

4. **Access Requirements Code Discussion**

   Discussion regarding access requirements on Main Street and other areas of town with regards to Santaquin City Code 10.48.050.E "Access to Parking Facilities."

MEETING MINUTES APPROVAL

5. **August 22, 2023**

ADJOURNMENT

CERTIFICATE OF MAILING/POSTING

The undersigned duly appointed City Recorder for the municipality of Santaquin City hereby certifies that a copy of the foregoing Notice and Agenda may be found at www.santaquin.org, in three physical locations (Santaquin City Public Safety Building, Zions Bank, Santaquin Post Office), and on the State of Utah's Public Notice Website, https://www.utah.gov/pmn/index.html. A copy of the notice may also be requested by calling (801)754-1904.

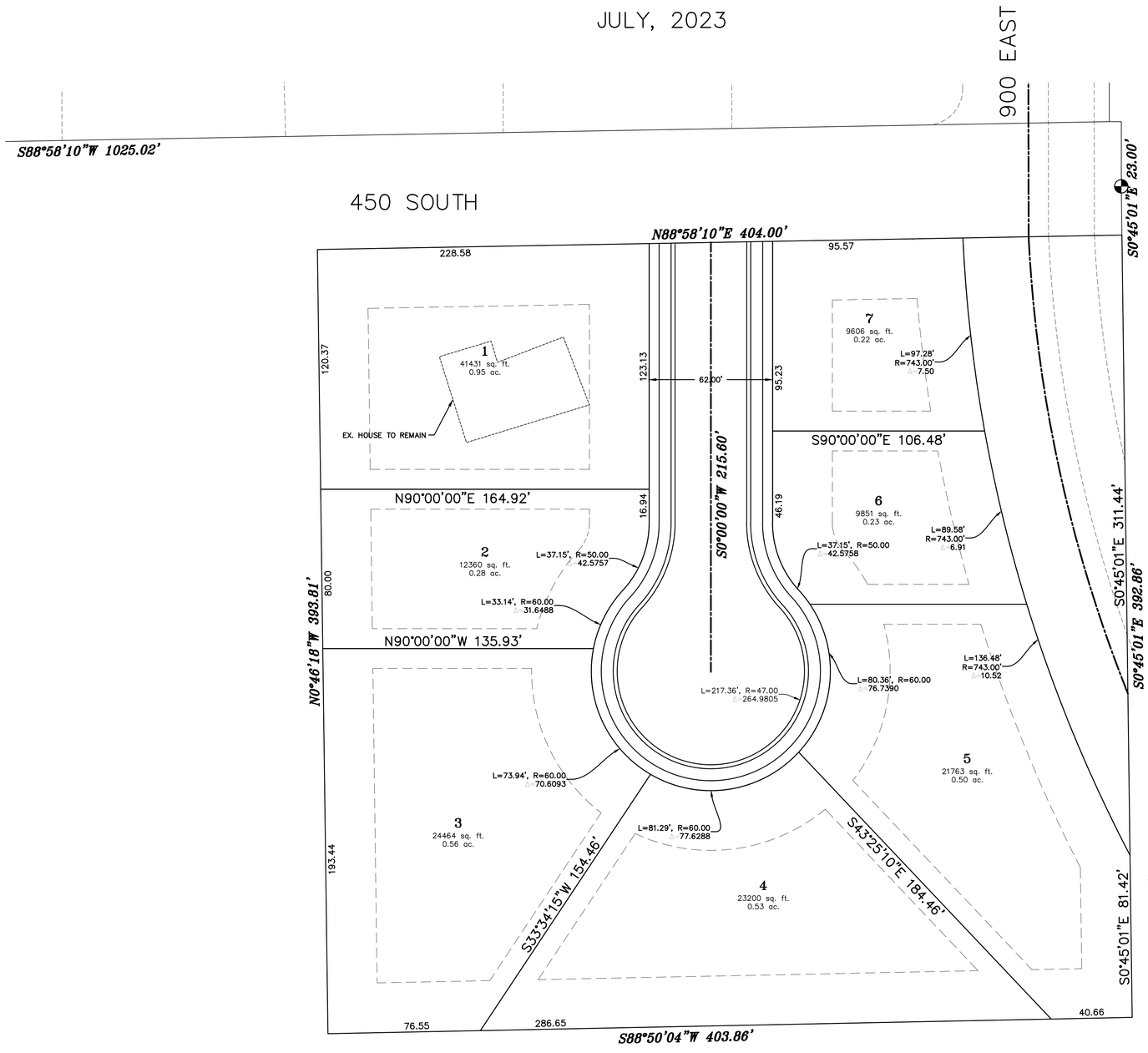
BY: 

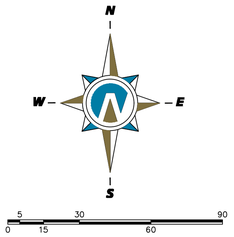
Amalie R. Ottley, City Recorder

VINCENT RIDGE

SANTAQUIN, UTAH

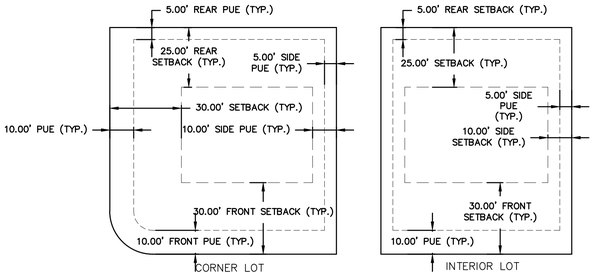
JULY, 2023





(24"x36")
SCALE 1" = 30'
(11"x17")
SCALE 1" = 60'

PROJECT INFORMATION		
TOTAL PROJECT AREA	3.65 ACRES	100 %
ZONE	R-10	
MINIMUM LOT AREA	9,600 S.F.	
NUMBER OF LOTS PROPOSED	7	



DETAIL – TYPICAL BUILDING SETBACK AND EASEMENT

NO.	REVISIONS	BY	DATE
5			
4			
3			
2			
1			

DESIGNED BY: DATE:
DRAWN BY: DATE:
CHECKED BY: DATE:
APPROVED: DATE:
COGO FILE: DATE:
REV. COGO FILE: DATE:

K:\3-23-014-00 Vincent\CAD\Design\23-014 VINCENT RIDGE CONCEPT 2.dwg

Northern ENGINEERING INC
ENGINEERING–LAND PLANNING
CONSTRUCTION MANAGEMENT
1040 E. 800 N.
OREM, UTAH 84097
(801) 802-8992

VINCENT RIDGE

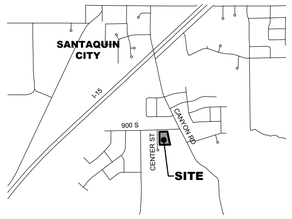
SITE PLAN

SANTAQUIN, UTAH

JOB NO. 3-23-014

SHEET NO. SP-01

VICINITY MAP

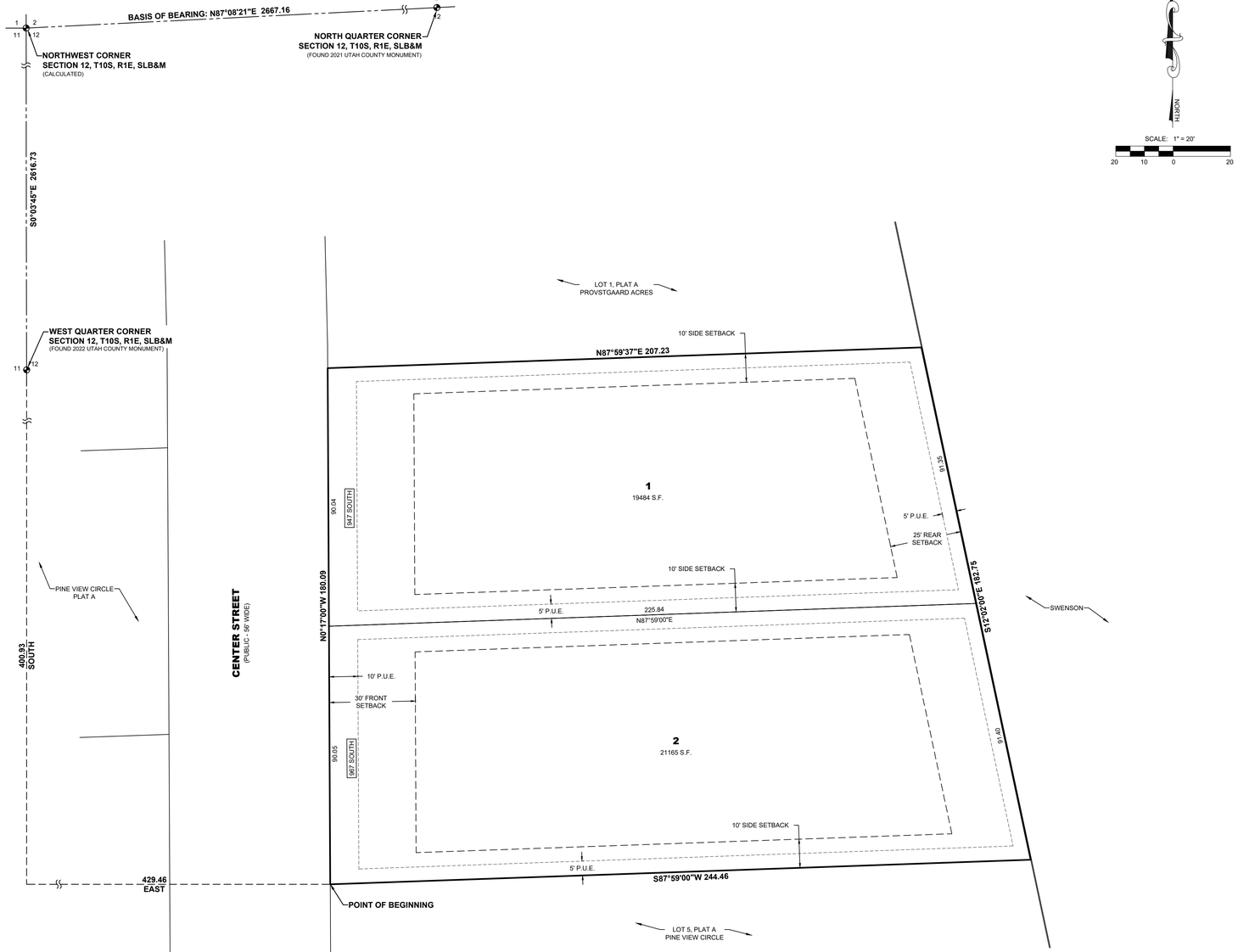


LEGEND

- BOUNDARY LINE
- CENTERLINE
- EASEMENT LINE
- EXISTING LOT LINES
- PROPOSED LOT LINES
- EXISTING MONUMENT
- PROPOSED MONUMENT
- N/A NO ACCESS

TABULATIONS

ZONE:	R-10
TOTAL AREA:	1.28 ACRES±
TOTAL LOTS:	2 LOTS



NOTES

1. THIS PROPERTY IS LOCATED IN AN AGRICULTURAL COMMUNITY IN WHICH NORMAL AGRICULTURAL USES AND ACTIVITIES ARE COMMON AND PART OF THE IDENTITY OF SANTAQUIN CITY. IT CAN BE ANTICIPATED THAT SUCH AGRICULTURAL USES AND ACTIVITIES MAY NOW OR IN THE FUTURE BE CONDUCTED NEAR THIS PROPERTY. PROPERTY OWNERS NEED TO UNDERSTAND AND ACKNOWLEDGE THAT THEY MAY EXPERIENCE ANNOYANCE OR INCONVENIENCE WHICH MAY RESULT FROM SUCH NORMAL USES AND ACTIVITIES. ADDITIONALLY, PROPERTY OWNERS MUST REFRAIN FROM TRESPASSING ON PRIVATE PROPERTY WHICH CAN NEGATIVELY IMPACT THE INTEGRITY OF AGRICULTURAL LANDS AND BUSINESSES.
2. #5 REBAR & CAP TO BE SET AT ALL LOT CORNERS. NAIL AND BRASS WASHER TO BE SET IN TOP OF CURB @ PROJECTION OF SIDE LOT LINES.

LEI
- A Utah Corporation -
ENGINEERS
SURVEYORS
PLANNERS
3302 N. Main Street
Spanish Fork, UT 84660
Phone: 801.798.0555
Fax: 801.798.9393
info@lei-eng.com
www.lei-eng.com

DRAWING DATE: JUNE 27, 2023

OWNER/DEVELOPER

BART PROVSTGAARD
39 EAST 900 SOUTH
SANTAQUIN, UTAH 84655

SURVEYOR'S CERTIFICATE

I, PAYTON JAY CHRISTENSEN , DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, AND THAT I HOLD LICENSE NO. 5046872 IN ACCORDANCE WITH TITLE 58, CHAPTER 22, OF UTAH STATE CODE. I FURTHER CERTIFY BY AUTHORITY OF THE OWNER(S), THAT I HAVE COMPLETED A SURVEY OF THE PROPERTY DESCRIBED ON THIS PLAT IN ACCORDANCE WITH SECTION 17-23-17, OF SAID CODE, AND HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS, BLOCKS, STREETS, AND EASEMENTS, AND THE SAME HAS, OR WILL BE, CORRECTLY SURVEYED, STAKED, AND MONUMENTED ON THE GROUND AS SHOWN ON THIS PLAT, AND THAT THIS PLAT IS TRUE AND CORRECT.

BOUNDARY DESCRIPTION

A PORTION OF LOT 1 AND ALL OF LOT 2, PROVSTGAARD ACRES PLAT A, ON FILE IN THE OFFICE OF THE UTAH COUNTY RECORDER, LOCATED IN THE SOUTHWEST QUARTER OF SECTION 12, TOWNSHIP 10 SOUTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF LOT 2, PLAT A, PROVSTGAARD ACRES SUBDIVISION, SAID POINT BEING LOCATED SOUTH 400.93 FEET AND EAST 429.46 FEET FROM THE WEST QUARTER CORNER OF SECTION 12, TOWNSHIP 10 SOUTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN (BASIS OF BEARING: N87°08'21"E BETWEEN THE NORTHWEST CORNER & THE NORTH QUARTER CORNER OF SECTION 12); THENCE N0°17'00"W ALONG THE EAST RIGHT-OF-WAY LINE OF CENTER STREET 180.09 FEET; THENCE N87°59'37"E 207.23 FEET TO THE EAST LINE OF SAID SUBDIVISION; THENCE S12°02'00"E ALONG SAID LINE 182.75 FEET TO THE SOUTHEAST CORNER OF SAID LOT 2; THENCE S87°59'00"W ALONG THE SOUTH LINE OF SAID LOT 244.46 FEET TO THE POINT OF BEGINNING.

CONTAINS: ±0.93 ACRES

DATE

SURVEYOR
(See Seal Below)

OWNERS DEDICATION

KNOW ALL BY THESE PRESENTS THAT WE, ALL OF THE UNDERSIGNED OWNERS OF ALL OF THE PROPERTY DESCRIBED IN THE SURVEYOR'S CERTIFICATE HEREON AND SHOWN ON THIS MAP, HAVE CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS, BLOCKS, STREETS AND EASEMENTS AND DO HEREBY DEDICATE THE STREETS, EASEMENTS AND OTHER PUBLIC AREAS AS INDICATED HEREON FOR PERPETUAL USE OF THE PUBLIC.

IN WITNESS HEREOF WE HAVE HEREUNTO SET OUR HANDS THIS_____ DAY OF _____, A.D. 20 _____

ACKNOWLEDGMENT

STATE OF UTAH
S.S.
COUNTY OF _____

ON THE_____DAY OF_____, A.D. 20__ PERSONALLY APPEARED BEFORE ME _____ THE SIGNER(S) OF THE FOREGOING DEDICATION WHO DULY ACKNOWLEDGE TO ME THAT THEY DID EXECUTE THE SAME.

NOTARY PUBLIC FULL NAME:_____
COMMISSION NUMBER: _____
MY COMMISSION EXPIRES: _____
A NOTARY PUBLIC COMMISSIONED IN UTAH

ACCEPTANCE BY LEGISLATIVE BODY

THE _____ OF _____
COUNTY OF UTAH, APPROVES THIS SUBDIVISION AND HEREBY ACCEPTS THE DEDICATION OF ALL STREETS; EASEMENTS, AND OTHER PARCELS OF LAND INTENDED FOR PUBLIC PURPOSES FOR THE PERPETUAL USE OF THE PUBLIC
THIS_____DAY OF_____, A.D. 20___

APPROVED BY _____

APPROVED _____
ENGINEER
(See Seal Below)

ATTEST_____
CLERK-RECORDER
(See Seal Below)

DOMINION ENERGY UTAH ACCEPTANCE

QUESTAR GAS COMPANY DBA DOMINION ENERGY UTAH APPROVES THIS PLAT FOR THE PURPOSE OF APPROXIMATING THE LOCATION, BOUNDARIES, COURSE AND DIMENSIONS OF THE RIGHTS-OF-WAY AND EASEMENT GRANTS AND EXISTING UNDERGROUND FACILITIES. NOTHING HEREIN SHALL BE CONSTRUED TO WARRANT OR VERIFY THE PRECISE LOCATION OF SUCH ITEMS. THE RIGHTS-OF-WAY AND EASEMENTS ARE SUBJECT TO NUMEROUS RESTRICTIONS APPEARING ON THE RECORDED RIGHT-OF-WAY AND EASEMENT GRANT(S). DOMINION ENERGY UTAH ALSO APPROVES THIS PLAT FOR THE PURPOSE OF CONFIRMING THAT THE PLAT CONTAINS PUBLIC UTILITY EASEMENTS; HOWEVER, DOMINION ENERGY UTAH MAY REQUIRE ADDITIONAL EASEMENTS IN ORDER TO SERVE THIS DEVELOPMENT. THIS APPROVAL DOES NOT CONSTITUTE ABROGATION OR WAIVER OF ANY OTHER EXISTING RIGHTS, OBLIGATIONS OR LIABILITIES INCLUDING PRESCRIPTIVE RIGHTS AND OTHER RIGHTS, OBLIGATIONS OR LIABILITIES PROVIDED BY LAW OR EQUITY. THIS APPROVAL DOS NOT CONSTITUTE ACCEPTANCE, APPROVAL OR ACKNOWLEDGMENT OF ANY TERMS CONTAINED IN THE PLAT, INCLUDING THOSE SET FORTH IN THE OWNERS DEDICATION OR THE NOTES, AND DOES NOT CONSTITUTE A GUARANTEE OF PARTICULAR TERMS OR CONDITIONS OF NATURAL GAS SERVICE. FOR FURTHER INFORMATION PLEASE CONTACT DOMINION ENERGY UTAH'S RIGHT-OF-WAY DEPARTMENT AT 801-366-8532.

QUESTAR GAS COMPANY DBA DOMINION ENERGY UTAH

APPROVED THIS_____DAY OF _____, 20____

BY- _____

TITLE- _____

CENTRACOM ACCEPTANCE

APPROVED THIS_____ DAY OF_____, 2023
CENTRACOM COMPANY

BY: _____ TITLE: _____

CENTURY LINK ACCEPTANCE

APPROVED THIS_____ DAY OF_____, 2023
CENTURY LINK COMPANY

BY: _____ TITLE: _____

ROCKY MOUNTAIN POWER ACCEPTANCE

APPROVED THIS_____ DAY OF_____, 2023
ROCKY MOUNTAIN PROPERTIES

BY: _____ TITLE: _____

PROVSTGAARD ACRES
PLAT B

SUBDIVISION

LOCATED IN THE SOUTHWEST QUARTER OF SECTION 12, TOWNSHIP 10 SOUTH, RANGE 1 EAST,
SALT LAKE BASE AND MERIDIAN
SANTAQUIN CITY, UTAH COUNTY, UTAH

(INCLUDES A VACATION OF A PORTION OF LOT 1 AND ALL OF LOT 2, PLAT A, PROVSTGAARD ACRES SUBDIVISION)

SCALE: 1" = 20' SHEET 1 OF 1

NOTARY PUBLIC SEAL	CITY-COUNTY ENGINEER SEAL	COUNTY-RECORDER SEAL

This form approved by Utah County and the municipalities therein. LEI #23-0029

VICINITY MAP

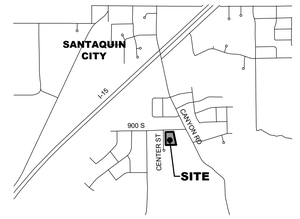


TABLE OF CONTENTS

TABULATIONS

ZONE	R-10
# OF LOTS	2 LOTS
TOTAL AREA	1.28 ACRES

NOTES

1. THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN THIS DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM THE FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS.

LEGEND

EXISTING	PROPOSED	
		BOUNDARY LINE
		STREET CENTERLINE
		EASEMENT LINE
		LOT LINES
EX SS		SEWER PIPE
Ⓢ	Ⓢ	SEWER MANHOLE
		SEWER SERVICE
EX SD		STORM DRAIN PIPE (RCP)
Ⓢ	Ⓢ	STORM DRAIN MANHOLE
		CURB INLET
		COMBO BOX
		4'x4' CATCH BASIN
		3'x3' CATCH BASIN
		INLET/OUTLET W/ GRATE
EX W		CULINARY WATER PIPE
		45° PIPE ELBOW (W)
		22.5° PIPE ELBOW (W)
		11.25° PIPE ELBOW (W)
		FIRE HYDRANT
		SERVICE & METER (W)
		PRV (W)
		AIR-VAC VALVE (W)
		BLOW-OFF (W)
		TEMP. BLOW-OFF (W)
		VALVE (W & SW)
		TEE
		CROSS
EX PI		PRESSURIZED IRRIGATION
		45° PIPE ELBOW (PI)
		22.5° PIPE ELBOW (PI)
		11.25° PIPE ELBOW (PI)
		SINGLE SW SERVICE
		DUAL SW SERVICE
		AIR-VAC VALVE (PI)
		BLOW-OFF (SW)
		TEMP. BLOW-OFF (PI)
STOP	STOP	STOP SIGN
		STREET SIGN
		MONUMENT
		FENCE
		STREET LIGHT
		POWER POLE
		DITCH
EX FO		FIBER OPTIC
EX GAS		GAS
	OHP	OVERHEAD POWER
		FLOW ARROW
		CONTOURS

DEVELOPER / OWNER
X

ENGINEER
LEI CONSULTING ENGINEERS
3302 NORTH MAIN
SPANISH FORK, UTAH 84660
(801)798-0555

PROJECT NAME
X

LEI
- A Utah Corporation -
ENGINEERS
SURVEYORS
PLANNERS
3302 N. Main Street
Spanish Fork, UT 84660
Phone: 801.798.0555
Fax: 801.798.9393
office@lei-eng.com
www.lei-eng.com

NOT FOR CONSTRUCTION

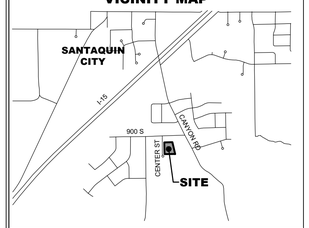
PROVSTGAARD SUBDIVISION
SANTAQUIN, UTAH

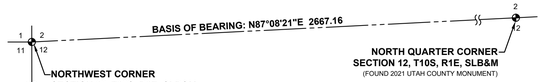
UTILITY PLAN

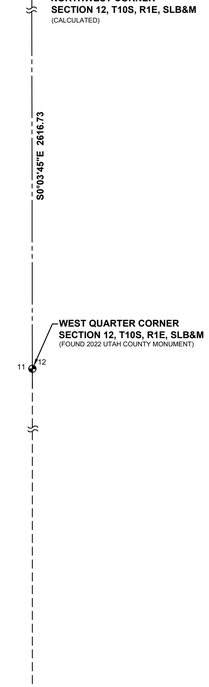
REVISIONS
1 -
2 -
3 -
4 -
5 -

LEI PROJECT #: 2023-0029
DRAWN BY: RWH
DESIGNED BY: DAF
SCALE: 1"=20'
DATE: 08/07/2023
SHEET 1

VICINITY MAP

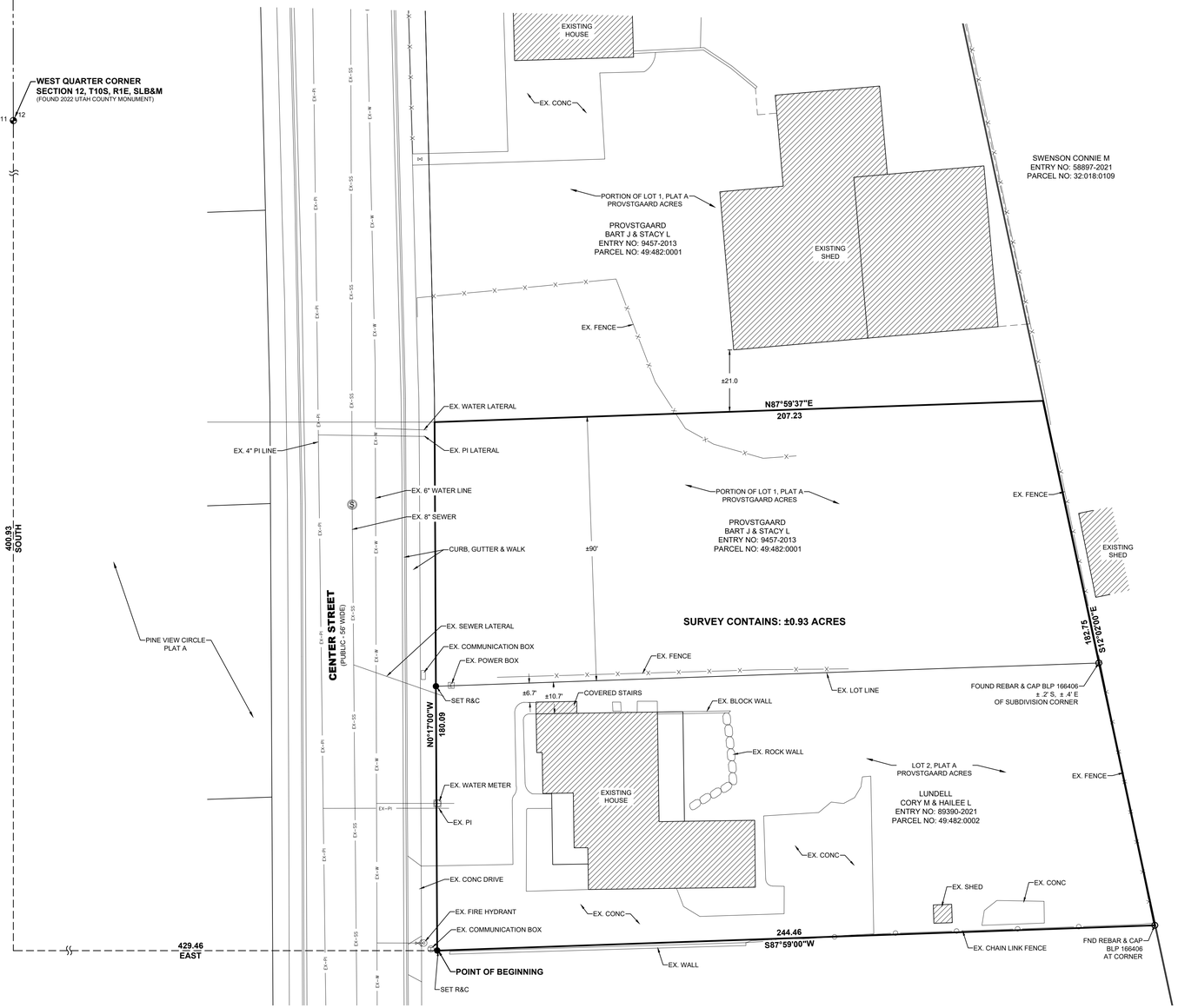


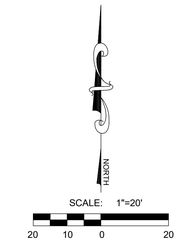




LEGEND

EXISTING	
	BOUNDARY LINE
	SECTION LINES
	EASEMENT LINE
	EXISTING EDGE OF ASPHALT
EX SS	SEWER PIPE
	SEWER MANHOLE
EX SD	STORM DRAIN PIPE (RCP)
	STORM DRAIN MANHOLE
	CURB INLET
	4'x4' CATCH BASIN
	3'x3' CATCH BASIN
EX W	CULINARY WATER PIPE
	FIRE HYDRANT
	SERVICE & METER (W)
	VALVE (W & SW)
EX PI	PRESSURIZED IRRIGATION
	FOUND SECTION MONUMENT
	#5 REBAR AND CAP SET LEI ENG
	FOUND MONUMENT (AS NOTED)
	STOP SIGN
	STREET SIGN
	FENCE
	STREET LIGHT
	POWER POLE
	DITCH
EX FO	FIBER OPTIC
EX GAS	GAS
	OVERHEAD POWER
	FLOW ARROW
	CONTOURS





NOTES

1. The purpose of this survey is to provide a Boundary Survey of the area shown hereon for the clients own intents and purposes.
2. The Basis of Bearing for this survey is N87°08'21"E along the Section Line from the Northwest Corner to the North Quarter Corner of Section 12, Township 10 South, Range 1 East, Salt Lake Base and Meridian. Deeds and plats of record have been rotated to the above mentioned basis of bearing.
3. This survey does not guarantee, grant, transfer or imply fee title ownership of any portion of this property in whole or part to any party or persons. This survey makes reference to owners names, documents and deed lines which are depicted hereon to the best of the surveyor's ability, however all information shown hereon should be verified by county records, title companies and other qualified professionals to meet the specific purposes and intents of the client. Furthermore, the filing of this survey with the respective county in which the property is situated does not serve as an instrument to subdivide, transfer, sell, or trade any portion of the property shown hereon. It is recommended that a qualified title company and/or other qualified professionals be contacted to address any and all questions regarding property ownership, title and the transfer of real property.
4. This survey makes no assumption as to any unwritten rights that may exist by and between the adjoining landowners, municipality, utility companies, government agencies, etc.
5. This drawing, its design, and invention thereof, is the property of LEI Consulting Engineers and Surveyors, Inc. and is submitted to, and is for the exclusive use of, the client referenced on the Survey. Only copies authorized in writing and individually signed and sealed by the Surveyor may be used as the official work of the Surveyor. This drawing and any copy thereof may not be relied upon for any purpose, by any party, except as stated in the agreement between LEI Consulting Engineers and Surveyors, Inc., and its client.
6. This drawing and any copy thereof, may also not be relied upon for any purpose under any of the following conditions:
   A. Original and any copies not individually signed and sealed by Surveyor.
   B. Dependent monuments and data set, or published, by others and used by the Surveyor are subsequently found to be in error.
   C. Improvements shown have been altered, changed, or added to, subsequent to the Survey.
7. Except as specifically stated or shown on this plan, this survey does not purport to reflect any of the following which may be applicable to the properties shown hereon: easements, encumbrances, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land use restrictions and any other facts that an accurate and current title search may disclose. Regarding any issues not specifically stated or shown on the survey, client is advised to seek the services of a competent title company.
8. Underground utilities have been shown hereon based on observed evidence together with information provide by Santaquin City GIS. Additional underground utilities including but not limited to: power, phone, cable TV, water, sewer and sprinkler lines may exist within the boundaries of this survey and blue stakes should be contacted prior to digging or in order to add the locations of such utilities to this survey. Engineers, contractors, and others that rely on this information should be cautioned that the locations, elevations, and pipe sizes of the existing utilities may not to be relied on as being exact or complete. Additional exploration, verification and relocation of existing utilities will be the sole responsibility of the contractor prior to or during construction of any additional improvements.
9. #5 rebar and cap have been set at all lot corners unless noted otherwise.

BOUNDARY DESCRIPTION

A portion of Lot 1 and all of Lot 2, Provstgaard Acres plat A, on file in the office of the Utah County Recorder, located in the Southwest Quarter of Section 12, Township 10 South, Range 1 East, Salt Lake Base and Meridian, more particularly described as follows:

Beginning at the southwest corner of Lot 2, Plat A, Provstgaard Acres Subdivision, said point being located South 400.93 feet and East 429.46 feet from the West Quarter Corner of Section 12, Township 10 South, Range 1 East, Salt Lake Base and Meridian (basis of bearing: N87°08'21"E between the Northwest Corner & the North Quarter Corner of Section 12); thence N0°17'00"W along the east right-of-way line of Center Street 180.09 feet; thence N87°59'37"E 207.23 feet to the east line of said subdivision; thence S12°02'00"E along said line 182.75 feet to the southeast corner of said Lot 2; thence S87°59'00"W along the south line of said lot 244.46 feet to the point of beginning.

Contains: ±0.93 Acres

SURVEYOR'S CERTIFICATE

I, Payton Jay Christensen, do hereby certify that I am a Professional Land Surveyor, and that I hold License No. 5046872, as prescribed under the laws of the State of Utah. I further certify that I have supervised a survey of the land shown on this plan and that it correctly represents the existing conditions as shown. This plan does not represent a certification to the title or ownership of the land shown hereon.

LEI
- A Utah Corporation -
ENGINEERS
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3302 N. Main Street
Spanish Fork, UT 84660
Phone: 801.798.0555
Fax: 801.798.9393
office@lei-eng.com
www.lei-eng.com

BOUNDARY SURVEY

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 12, T10S, R1E, SLB&M.

PREPARED FOR: CHELSEA CARTER

PROPERTY OF: BART & STACY PROVSTGAARD, CORY & HAILEE LUNDELL

REVISIONS
1 -
2 -
3 -
4 -
5 -

LEI PROJECT #:	2023-0029
DRAWN BY:	RWH
DESIGNED BY:	PJC
SCALE:	1"=20'
DATE:	08/07/2023
SHEET	1

BDS COMMERCIAL SITE PLAN

390 N SUMMIT RIDGE PARKWAY
SANTAQUIN, UTAH
FINAL PLAN SET
SEPTEMBER 2023

-SHEET INDEX-

REGISTERED PROFESSIONAL ENGINEER
SCOTT B. PETERSON
No. 362274
09/01/2023
STATE OF UTAH

LEGEND
(APPLIES TO ALL SHEETS)

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
- EXISTING SIGN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPERTY BOUNDARY
- CENTERLINE
- RIGHT–OF–WAY LINE
- LOT LINE
- SECTION LINE
- EASEMENT
- EXISTING DEED LINE
- EOP — EDGE OF PAVEMENT
- OHP — EXISTING OVER HEAD POWER
- EXISTING FENCE LINE
- SS — EXISTING SANITARY SEWER W/MANHOLE
- EX.SD — EXISTING STORM DRAIN W/MH
- EX.CUL — EXISTING WATER
- EX.PI — EXISTING PRESSURIZED IRRIGATION
- 8"SS — PROPOSED SEWER
- 15"SD — PROPOSED STORM DRAIN
- 8"CUL — PROPOSED CULINARY WATER
- 6"PI — PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

GENERAL NOTES:

1. THE DEVELOPER AND THE GENERAL CONTRACTOR UNDERSTAND THAT IT IS HIS/HER RESPONSIBILITY TO ENSURE THAT ALL IMPROVEMENTS INSTALLED WITHIN DEVELOPMENT ARE CONSTRUCTED IN FULL COMPLIANCE WITH ALL STATE AND SANTAQUIN CITY CODES, ORDINANCES AND STANDARDS. THESE PLANS ARE NOT ALL INCLUSIVE OF ALL MINIMUM CODES, ORDINANCES AND STANDARDS. THIS FACT DOES NOT RELIEVE THE DEVELOPER OR GENERAL CONTRACTOR FROM FULL COMPLIANCE WITH ALL MINIMUM STATE AND SANTAQUIN CITY CODES, ORDINANCE AND STANDARDS.
2. ALL RECOMMENDATIONS MADE IN A PERTINENT GEOTECHNICAL REPORT/STUDY SHALL BE FOLLOWED EXPLICITLY DURING CONSTRUCTION OF BUILDINGS AND SITE IMPROVEMENTS.

BOUNDARY DESCRIPTION:

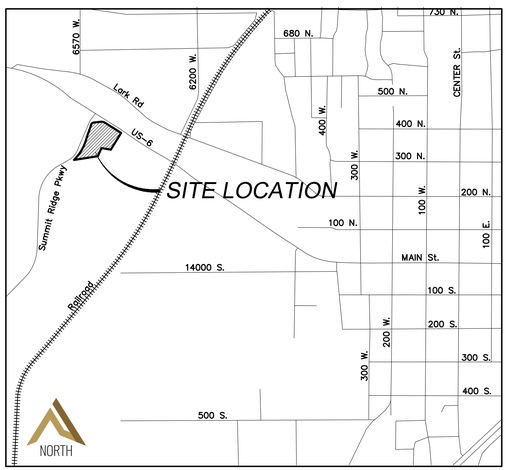
BEGINNING AT A POINT WHICH LIES N89°24'50"W 1639.74 FEET ALONG THE SECTION LINE & NORTH 87.32 FEET FROM THE NORTH 1/4 CORNER OF SECTION 3, TOWNSHIP 10 SOUTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN; AND RUNNING THENCE N83°44'19"E 117.81 FEET; THENCE SOUTHEASTERLY 77.91 FEET ALONG THE ARC OF A 116.00 FOOT RADIUS CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 38°28'48", THE CHORD BEARS S77°01'21"E 76.45 FEET; THENCE S57°47'01"E 322.08 FEET; THENCE S31°32'55"W 332.03 FEET; THENCE N81°06'25"W 160.78 FEET; THENCE S24°11'31"W 149.90 FEET; THENCE S81°11'54"W 409.61 FEET; THENCE NORTHEASTERLY 341.08 FEET ALONG THE ARC OF A 793.00 FOOT RADIUS CURVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 24°38'38", THE CHORD BEARS N33°16'32"E 338.46 FEET; THENCE N17°58'03"E 152.96 FEET; THENCE N19°15'39"E 182.05 FEET; THENCE NORTHEASTERLY 56.27 FEET ALONG THE ARC OF A 50.00 FOOT RADIUS CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 64°28'40", THE CHORD BEARS N51°29'59"E 53.35 FEET TO THE POINT OF BEGINNING.
CONTAINING 6.00 ACRES.

CONTRACTOR NOTE:

THE SIZE, ELEVATION, & LOCATIONS OF EXISTING IMPROVEMENTS AND UTILITIES SHOWN HEREON ARE ASSUMED AND APPROXIMATELY SHOWN BASED UPON THE FIELD DATA FROM THE SURVEY. ALL SIZES, LOCATIONS & ELEVATIONS ARE TO BE VERIFIED. IF THERE ARE DIFFERENCES OR DISCREPANCIES, ATLAS ENGINEERING, LLC NEEDS TO BE NOTIFIED BEFORE CONSTRUCTION. ATLAS ENGINEERING, LLC WILL NOT BE LIABLE OR RESPONSIBLE FOR REMOVAL, CONSTRUCTION, OR INSTALLATION OF IMPROVEMENTS THAT ARE NOT IN ACCORDANCE WITH THESE PLANS. ANY AND ALL CHANGES OR VARIATIONS IN THE REMOVAL, CONSTRUCTION OR INSTALLATION OF THE IMPROVEMENTS MADE WITHOUT THE APPROVAL OF THE DESIGNER WILL RESULT IN SOLE LIABILITY TO THE CONTRACTOR. IN ADDITION, ATLAS ENGINEERING, LLC ASSUMES NO RESPONSIBILITY FOR ANY AND ALL EXISTING UTILITIES NOT SHOWN ON THIS PLAN AND ASSUMES NO LIABILITY FOR FAILURE TO EXACTLY LOCATE ALL EXISTING UTILITIES, SHOULD THERE BE INCIDENT.

ENGINEER/SURVEYOR CONTACT INFO:
ATLAS ENGINEERING LLC
(801) 655–0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

OWNER/DEVELOPER
SCOTT SMITH
(801) 857–4956
PO BOX 714 MONA, UT 84645
scott@tpwusa.com



VICINITY MAP
–NTS–

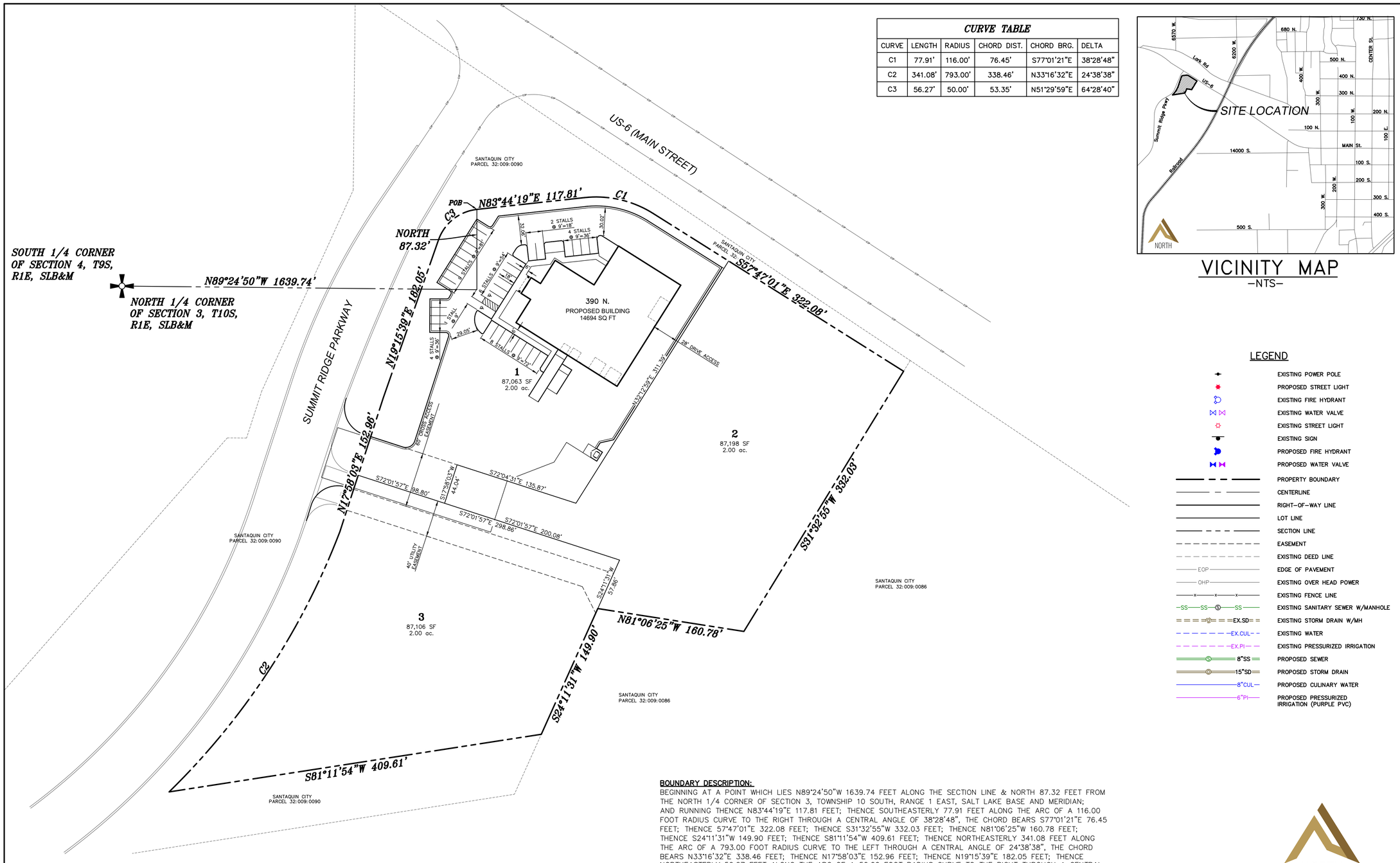
DATA TABLE
TOTAL ACREAGE=6.00 ACRES
BUILDING AREA=14,694 SQ. FT.
PARKING LOT AREA=53,592 SQ. FT.
ACREAGE IN ROADS=0.00 ACRES
LANDSCAPING AREA=18,657 SQ. FT.
SIDEWALK AREA=1,580 SQ. FT.

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
PHONE:801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2023\23–035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CADD\PRELIMINARY\01–COVER.DWG

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD DIST.	CHORD BRG.	DELTA
C1	77.91'	116.00'	76.45'	S77°01'21"E	38°28'48"
C2	341.08'	793.00'	338.46'	N33°16'32"E	24°38'38"
C3	56.27'	50.00'	53.35'	N51°29'59"E	64°28'40"



VICINITY MAP
–NTS–

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
- EXISTING SIGN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPERTY BOUNDARY
- CENTERLINE
- RIGHT–OF–WAY LINE
- LOT LINE
- SECTION LINE
- EASEMENT
- EXISTING DEED LINE
- EOP — EDGE OF PAVEMENT
- OHP — EXISTING OVER HEAD POWER
- EXISTING FENCE LINE
- SS — EXISTING SANITARY SEWER W/MANHOLE
- EX.SD — EXISTING STORM DRAIN W/MH
- EX.CUL — EXISTING WATER
- EX.PI — EXISTING PRESSURIZED IRRIGATION
- 8"SS — PROPOSED SEWER
- 15"SD — PROPOSED STORM DRAIN
- 8"CUL — PROPOSED CULINARY WATER
- 6"PI — PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

BOUNDARY DESCRIPTION:

BEGINNING AT A POINT WHICH LIES N89°24'50"W 1639.74 FEET ALONG THE SECTION LINE & NORTH 87.32 FEET FROM THE NORTH 1/4 CORNER OF SECTION 3, TOWNSHIP 10 SOUTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN; AND RUNNING THENCE N83°44'19"E 117.81 FEET; THENCE SOUTHEASTERLY 77.91 FEET ALONG THE ARC OF A 116.00 FOOT RADIUS CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 38°28'48", THE CHORD BEARS S77°01'21"E 76.45 FEET; THENCE S57°47'01"E 322.08 FEET; THENCE S31°32'55"W 332.03 FEET; THENCE N81°06'25"W 160.78 FEET; THENCE S24°11'31"W 149.90 FEET; THENCE S81°11'54"W 409.61 FEET; THENCE NORTHEASTERLY 341.08 FEET ALONG THE ARC OF A 793.00 FOOT RADIUS CURVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 24°38'38", THE CHORD BEARS N33°16'32"E 338.46 FEET; THENCE N17°58'03"E 152.96 FEET; THENCE N19°15'39"E 182.05 FEET; THENCE NORTHEASTERLY 56.27 FEET ALONG THE ARC OF A 50.00 FOOT RADIUS CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 64°28'40", THE CHORD BEARS N51°29'59"E 53.35 FEET TO THE POINT OF BEGINNING.
CONTAINING 6.00 ACRES.

NORTH
0 5 25 50 100 150

(24"x36")
SCALE 1" = 50'
(11"x17")
SCALE 1" = 100'

SHEET NO. 2

NO.	REVISIONS	BY	DATE
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OVERALL BOUNDARY

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
PHONE:801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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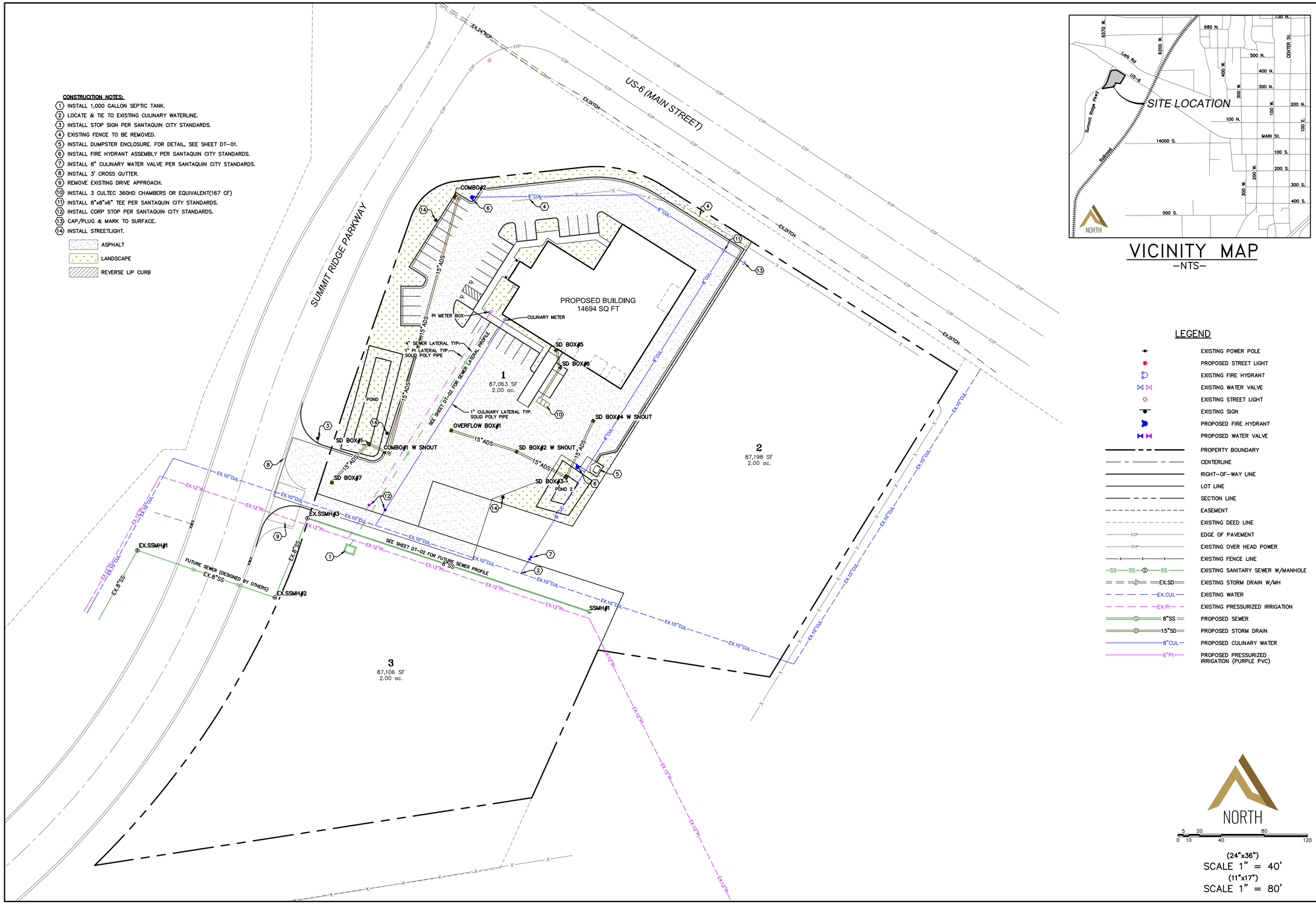
CONSTRUCTION NOTES:

1. INSTALL 1,000 GALLON SEPTIC TANK.
2. LOCATE & TIE TO EXISTING CULINARY WATERLINE.
3. INSTALL STOP SIGN PER SANTAQUIN CITY STANDARDS.
4. EXISTING FENCE TO BE REMOVED.
5. INSTALL DUMPSTER ENCLOSURE. FOR DETAIL, SEE SHEET DT-01.
6. INSTALL FIRE HYDRANT ASSEMBLY PER SANTAQUIN CITY STANDARDS.
7. INSTALL 8" CULINARY WATER VALVE PER SANTAQUIN CITY STANDARDS.
8. INSTALL 3' CROSS GUTTER.
9. REMOVE EXISTING DRIVE APPROACH.
10. INSTALL 3 CULTEC 360HD CHAMBERS OR EQUIVALENT(167 CF)
11. INSTALL 8"x8"x6" TEE PER SANTAQUIN CITY STANDARDS.
12. INSTALL CORP STOP PER SANTAQUIN CITY STANDARDS.
13. CAP/PLUG & MARK TO SURFACE.
14. INSTALL STREETLIGHT.

ASPHALT
LANDSCAPE
REVERSE LIP CURB



VICINITY MAP
–NTS–

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
- EXISTING SIGN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPERTY BOUNDARY
- CENTERLINE
- RIGHT-OF-WAY LINE
- LOT LINE
- SECTION LINE
- EASEMENT
- EXISTING DEED LINE
- EDGE OF PAVEMENT
- EXISTING OVER HEAD POWER
- EXISTING FENCE LINE
- EXISTING SANITARY SEWER W/MANHOLE
- EXISTING STORM DRAIN W/MH
- EXISTING WATER
- EXISTING PRESSURIZED IRRIGATION
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

NORTH
0 10 40 120
5 20 80

(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

SHEET NO. 3

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OVERALL UTILITY LAYOUT

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
PHONE:801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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VICINITY MAP
–NTS–

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
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- EX.SD — EXISTING STORM DRAIN W/MH
- EX.CUL — EXISTING WATER
- EX.PI — EXISTING PRESSURIZED IRRIGATION
- 8"SS — PROPOSED SEWER
- 15"SD — PROPOSED STORM DRAIN
- 8"CUL — PROPOSED CULINARY WATER
- 6"PI — PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

NORTH

0 5 10 20 40 80 120

(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

SHEET NO. 4

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DRAINAGE PLAN

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
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PHONE:801-655-0566
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SPANISH FORK, UT 84660

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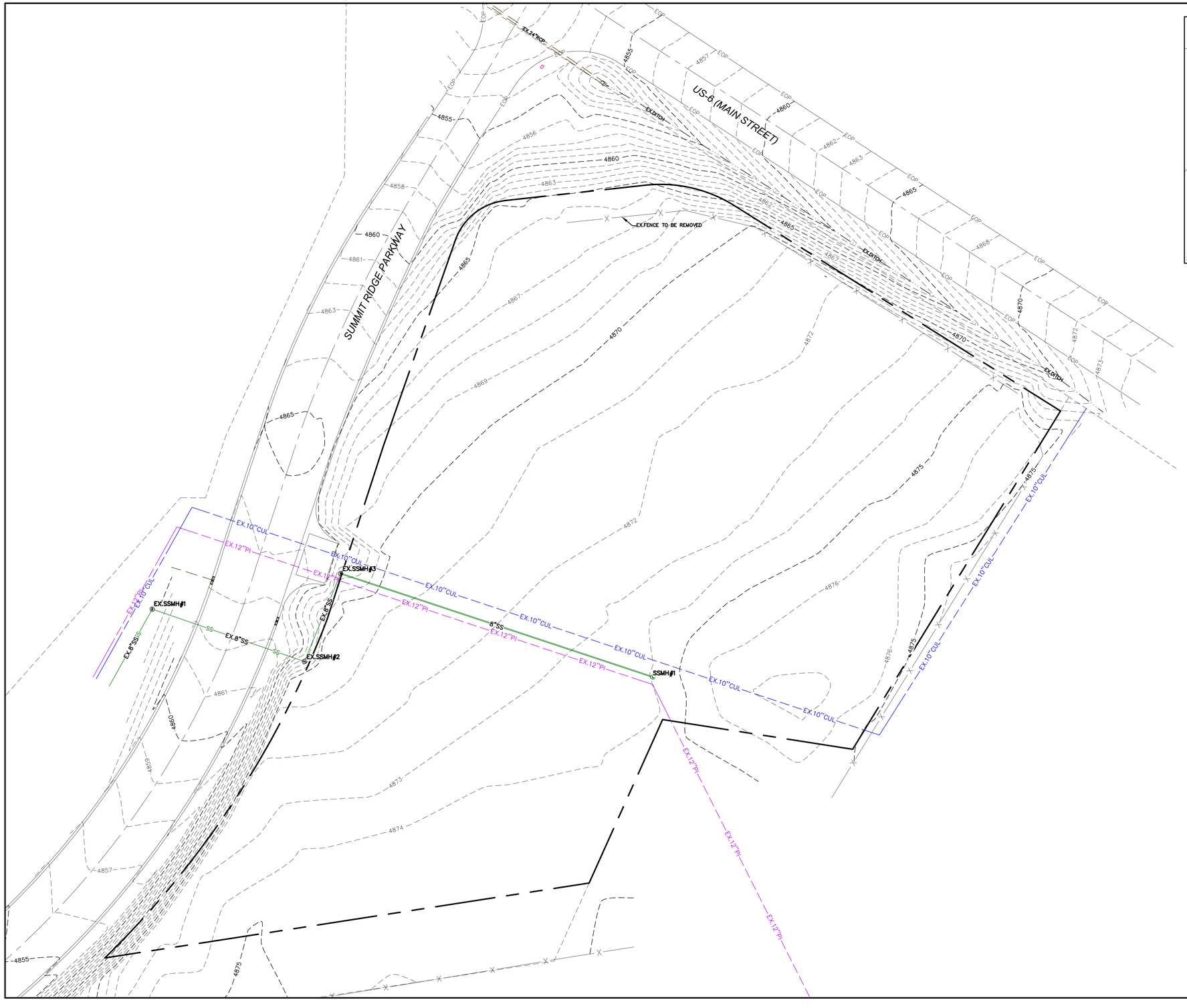

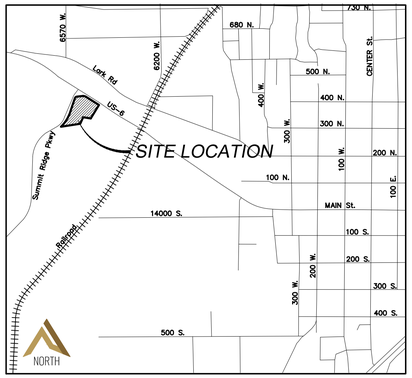

VICINITY MAP
–NTS–

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
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- EX.CUL — EXISTING WATER
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- 8"SS — PROPOSED SEWER
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- 8"CUL — PROPOSED CULINARY WATER
- 6"PI — PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

NORTH
0 5 10 20 40 80 120

(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

SHEET NO. 5

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EXISTING TOPOGRAPHY

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

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SPANISH FORK, UT 84660

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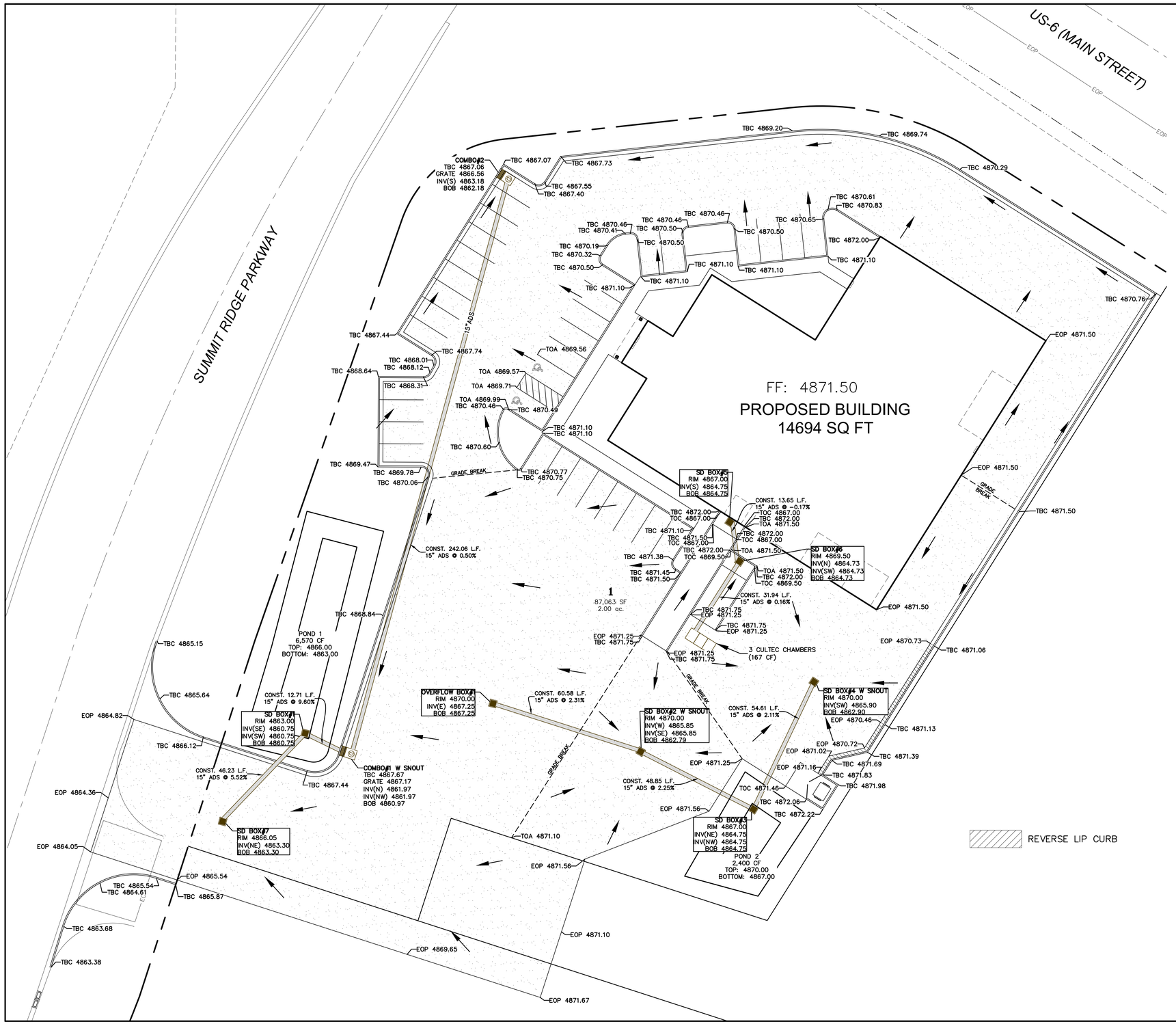

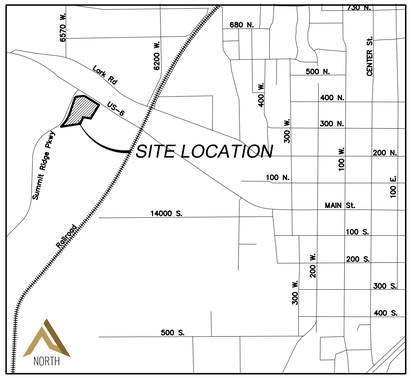

VICINITY MAP
–NTS–

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
- EXISTING SIGN
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- EXISTING OVER HEAD POWER
- EXISTING FENCE LINE
- EXISTING SANITARY SEWER W/MANHOLE
- EXISTING STORM DRAIN W/MH
- EXISTING WATER
- EXISTING PRESSURIZED IRRIGATION
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

NORTH
0 5 20 2 10 40 60

(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'

SHEET NO. 6

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TBC PLAN

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

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946 E. 800 N. SUITE A
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SUMMIT RIDGE PARKWAY

US-6 (MAIN STREET)

EOP

EOP

EOP

WB-67 - Interstate Semi-Trailer

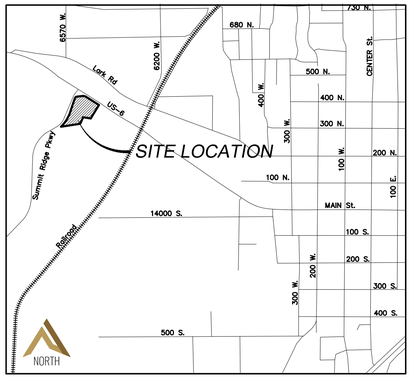
PROPOSED BUILDING
14694 SQ FT

1
87,003 SF
2.00 AC.

60' DRIVEWAY

EOP

WB-67 - Interstate Semi-Trailer	
Overall Length	73.501ft
Overall Width	8.500ft
Overall Body Height	13.500ft
Min. Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	28.40°



VICINITY MAP
–NTS–

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING STREET LIGHT
- EXISTING SIGN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPERTY BOUNDARY
- CENTERLINE
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- LOT LINE
- SECTION LINE
- EASEMENT
- EXISTING DEED LINE
- EDGE OF PAVEMENT
- EXISTING OVER HEAD POWER
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- EXISTING SANITARY SEWER W/MANHOLE
- EXISTING STORM DRAIN W/MH
- EXISTING WATER
- EXISTING PRESSURIZED IRRIGATION
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

NORTH
0 5 20 2 10 40 60

(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'

SHEET NO. 7

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ACCESS PLAN
AUTOTURN

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
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946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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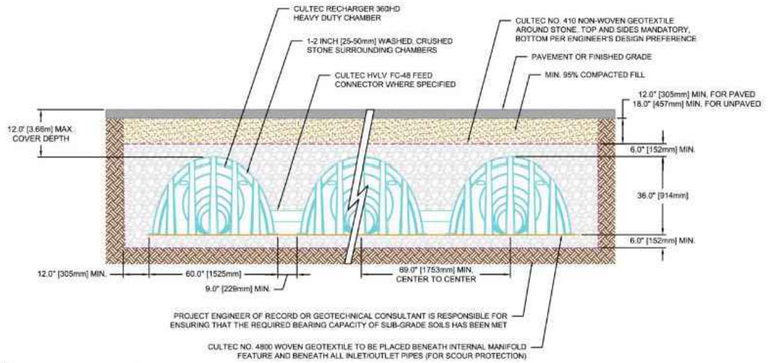
INSTALLATION INSTRUCTIONS FOR STORMWATER

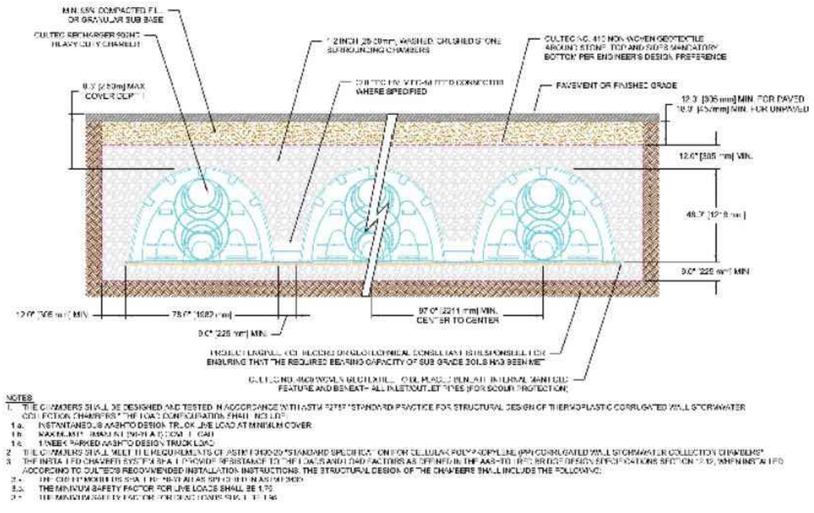
CULTEC

Recharger 360HD Typical Cross Section for Traffic Applications



NOTES:
1. THE CHAMBERS SHALL BE DESIGNED AND TESTED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS." THE LOAD CONFIGURATION SHALL INCLUDE:
   1.a. INSTANTANEOUS AASHTO DESIGN TRUCK LIVE LOAD AT MINIMUM COVER
   1.b. MAXIMUM PERMANENT (50-YEAR) COVER LOAD
   1.c. 1-WEEK PARKED AASHTO DESIGN TRUCK LOAD
2. THE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F3430-20 "STANDARD SPECIFICATION FOR CELLULAR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"
3. THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12, WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. THE STRUCTURAL DESIGN OF THE CHAMBERS SHALL INCLUDE THE FOLLOWING:
   3.a. THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F3430
   3.b. THE MINIMUM SAFETY FACTOR FOR LIVE LOADS SHALL BE 1.75
   3.c. THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95

Recharger 902HD Typical Cross Section for Traffic Applications



NOTES:
1. THE CHAMBERS SHALL BE DESIGNED AND TESTED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS." THE LOAD CONFIGURATION SHALL INCLUDE:
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2. THE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F3430-20 "STANDARD SPECIFICATION FOR CELLULAR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"
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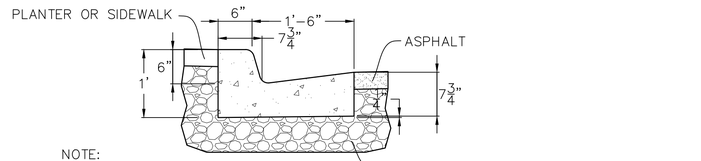
   3.a. THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F3430
   3.b. THE MINIMUM SAFETY FACTOR FOR LIVE LOADS SHALL BE 1.75
   3.c. THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95

For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.

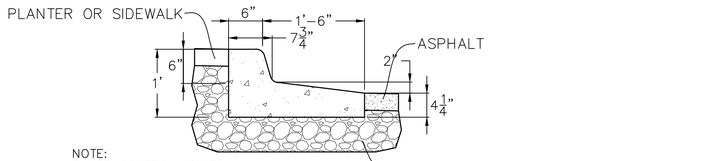


NOTE:
PLACE CONTROL JOINTS AT 10 FOOT INTERVALS

6" UNTREATED BASE COARSE (MIN) COMPACTED TO 96% OF MAX. DRY DENSITY (UNTREATED BASE COARSE AND IMPORTED FILL TO MATCH PAVEMENT SECTION)

24" STANDARD CURB & GUTTER

FOR USE IN PRIVATE STREETS
–NTS–

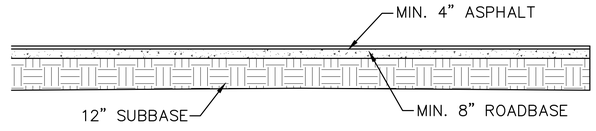


NOTE:
PLACE CONTROL JOINTS AT 10 FOOT INTERVALS

6" UNTREATED BASE COARSE (MIN) COMPACTED TO 96% OF MAX. DRY DENSITY (UNTREATED BASE COARSE AND IMPORTED FILL TO MATCH PAVEMENT SECTION)

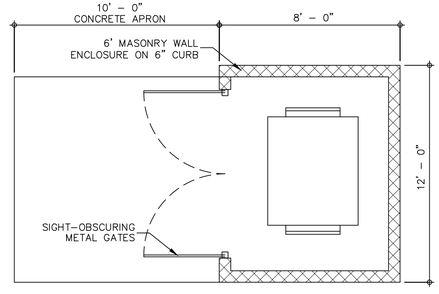
24" REVERSE LIP CURB & GUTTER

FOR USE IN PRIVATE STREETS
–NTS–



PARKING LOT CROSS SECTION

–NTS–



DUMPSTER ENCLOSURE:
1. ENCLOSURE TO BE SCREENED ON 3 SIDES WITH A MASONRY WALL HAVING A HEIGHT OF AT LEAST ONE FOOT ABOVE RECEPTACLE.
2. MASONRY WALL TO MATCH FINISH OF PROPOSED BUILDING EXTERIOR.
3. A STEEL SITE–OBSCURING GATE AT LEAST 6 FEET HIGH.
4. A MIN. 5 FOOT WIDE LANDSCAPING BUFFER REQUIRED ON 3 SIDES.

SHEET NO. DT-01

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DETAIL SHEET

SANTAQUIN, UTAH

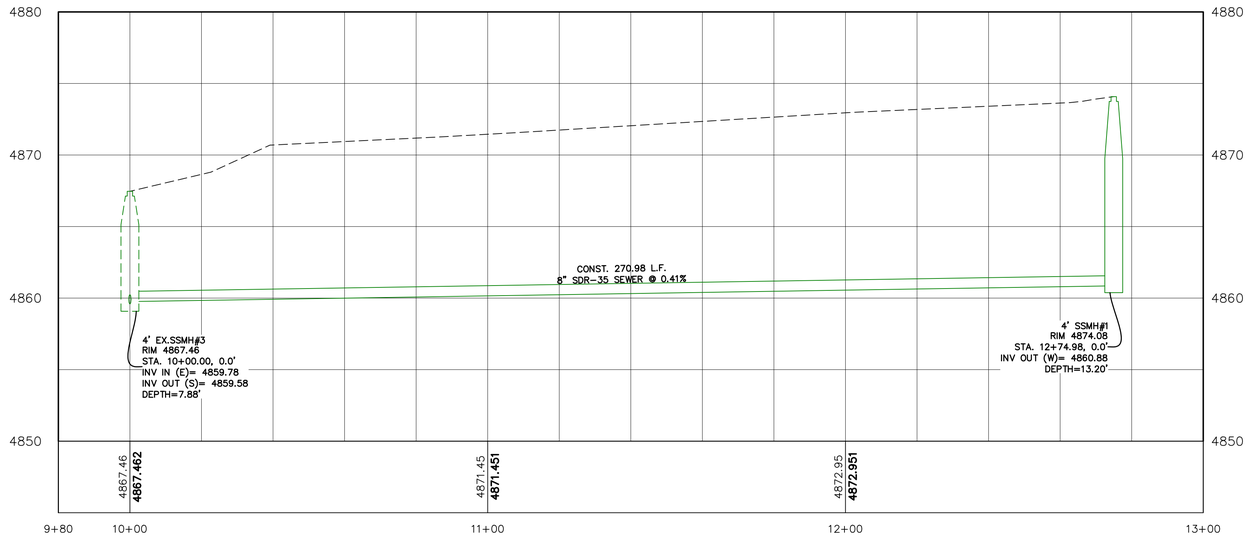
BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
PHONE:801-655-0566
946 E 800 N, SUITE A
SPANISH FORK, UT 84660

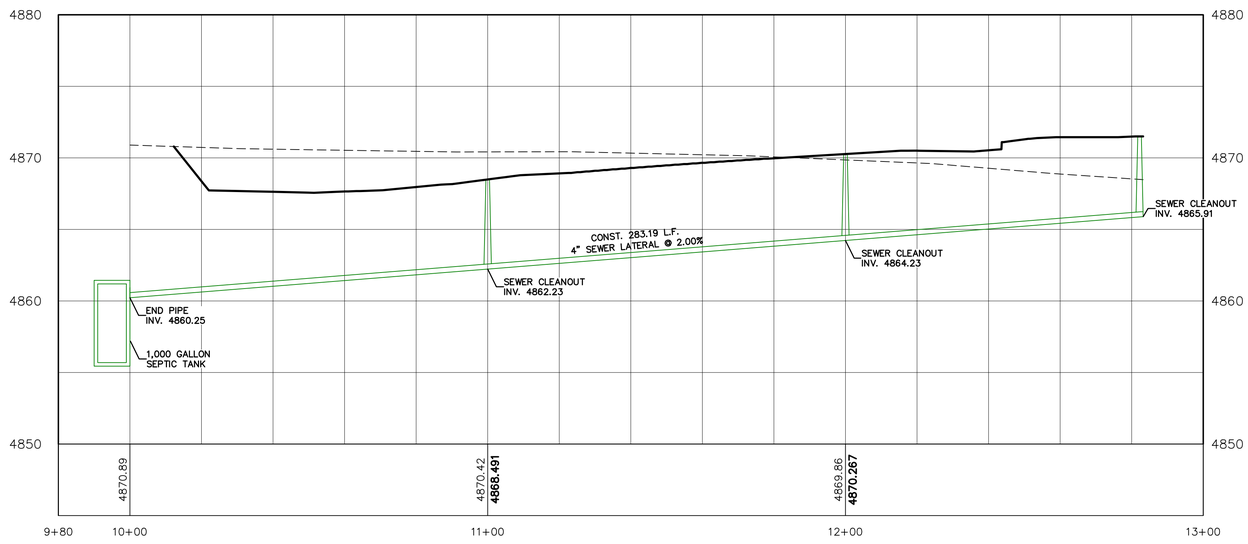
Z:\2023\23-035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CAD\PRELIMINARY\08-DETAILS.DWG

*EXISTING SEWER MANHOLE ELEVATIONS FROM SANTAQUIN PEAKS OFFSITE UTILITIES BY RIMROCK ENGINEERING & DEVELOPMENT. CONTRACTOR TO CONTACT ATLAS ENGINEERING TO FIELD VERIFY AS-BUILT SEWER ELEVATIONS.

PROFILE VIEW: SEWER 1 – 2+90
SCALE: 5
DATUM: 4850.00



PROFILE VIEW: SEWER LATERAL – 3+20
SCALE: 5
DATUM: 4850.00



SHEET NO. DT-02

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DETAIL SHEET

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY
PHONE:801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2023\23-035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CADD\PRELIMINARY\08-DETAILS.DWG

IRRIGATION PLAN

ZONE #1

- (1) RAIN BIRD DV 1" VALVE W/ INLINE FILTER
- (5') 1" SCHEDULE 40 PVC
- (1) PVC TRANSITION PVC TO POLY
- (320') 3/4 POLY DRIP LINE
- (2) 3/4" 90° ELLBOWS COMNPRESION FITTING
- (1) 3/4" END FIGURE 8

ZONE #2

- (1) RAIN BIRD DV 1" W/ INLINE FILTER
- (5') 1" SCHEDULE 40 PVC
- (1) PVC TRANSITION PVC TO POLY
- (260') 3/4 POLY DRIP LINE
- (4) 3/4" COMPRESION TEE
- (3) 3/4" END FIGURE 8
- (130') OF SCHEDULE 40 PVC CONDUIT 4"

ZONE #3

- (1) RAIN BIRD DV 1" W/ INLINE FILTER
- (1) PVC TRANSITION PVC TO POLY
- (300') 3/4 POLY DRIP LINE
- (3) 3/4" COMPRESION TEE
- (2) 3/4" END FIGURE 8
- (1) 1" PVC SCHEDULE 40 SSS TEE
- (70') OF SCHEDULE 40 PVC CONDUIT 4"

ZONE #4

- (1) RAIN BIRD DV 1" W/ INLINE FILTER
- (5') 1" SCHEDULE 40 PVC
- (1) PVC TRANSITION PVC TO POLY
- (280') 3/4 POLY DRIP LINE
- (3) 3/4" COMPRESION TEE
- (2) 3/4" END FIGURE 8
- (1) 1" PVC SCHEDULE 40 SSS TEE
- (70') OF SCHEDULE 40 PVC CONDUIT 4"

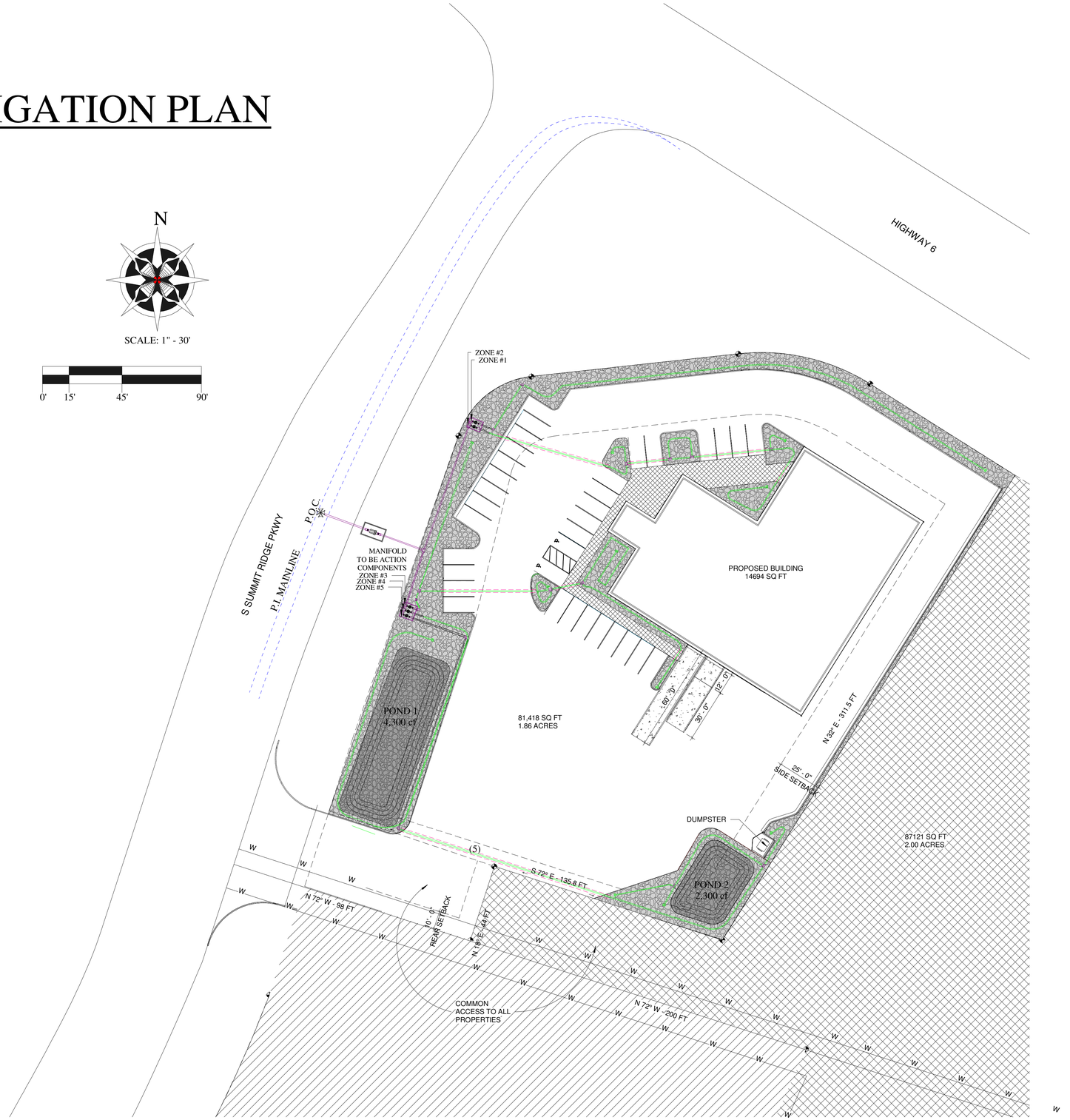
ZONE #5

- (1) RAIN BIRD DV 1" W/ INLINE FILTER
- (115') 1" SCHEDULE 40 PVC
- (1) PVC TRANSITION PVC TO POLY
- (350') 3/4 POLY DRIP LINE
- (3) 3/4" COMPRESION TEE
- (2) 3/4" END FIGURE 8
- (1) 1" COMPRESION TEE
- (1) 1" COMPRESION ELLBOW 90°
- (125') OF SCHEDULE 40 PVC CONDUIT 4"

N

SCALE: 1" - 30'

0' 15' 45' 90'



LEGEND

- POINT OF CONNECTION (P.O.C.)
- 1 1/2 METER GET FROM CITY
- LEGEND VALVE 314-264NL 1 1/2"
- ZURN 1 1/2 550 DOUBLE CHECK BACKFLOW PREVENTION DEVISE
- LCRBY125S - 1 1/4" LARGE CAPACITY SCREEN FILTER NFP
- JUMBO RAIN BIRD VBJMB-JUMBO VALVE BOX
- STANDARD VALVE BOX
- RAINBIRD 1" DV WITH A INLINE MESH RAINBIRD FILTER
- INLINE FILTER 200 MICRON SCREEN MESH
- 4" PVC CONDUIT PVC PIPE
- 1" SCHEDULE 40 PVC PIPE
- 1 1/4" SCHEDULE 40 PVC PIPE
- END OF LATTERAL LINE W/ DRAIN
- 1/2" FUNNY PIPE
- 3/4" FUNNY ELLBOW (1) FOR EACH HEAD (1) FOR EACH PVC OUTLET (BEING A FUNNY TEE OR FUNNY ELLBOW

REFERANCE ROTORS IN GENERAL NOTES

IF THE PROJECT HAS CULILNARY (CITY) WATER, THE OWNER / CONTRACTOR SHALL PROVIDE A 1 1/4 STOPE WASTE BALL VALVE TO TURN ON AND OFF OF THE WATER EACH SEASON. IT WILL BE LOCATED NEAR THE WATER METER & THEY WILL BE RESPOSIBLE TO TURN ON AND OFF THE WATER EACH YEAR. THE NEXT COMPONENT TO BE INSTALLED WILL BE A FILTER PRESSURE REDUCER LOCATED WHERE THE STOP & WATE VALVE ARE AS SHOWN ON THE PLANS. THERE WILL BE NO BACK FLOW PREVENTION DEVICE REQUIRED. 1 1/4" EWING DOUBLE CHECK VALVE AS SHOWN ON PLANS. wHERE EVER IT IS THE CITY AND STAFF DETERMIN TO CUT THE STREET AND CONNECT THE WATER CULLINARY OR PRESSURIZED IRRIGATION THERE SHALL BE 75PSI. AT THE P.O.C. THE CONTRACTOR SHALLL USE 1 1/4" COMMERCIAL GRADE RAINBIRD VALVES. THERE ARE TWO DIFFERENT ROTORS SPECT FOR THIS PROJECT (SEE LEGEND) I HAVE CALLED FOR THE 52SA PREMIUM STAINLESS STEEL 25' TO 50' SPRAY ADJUSTMENT. THERE ARE A TOTAL OF NINE OF THESE4 ROTORS AND WE HAVE TREE ON A ZONE WITH AN 1 1/4" FEED PROVIDING 20 GPM @ 65 PSI THEIR PERFORMANCE WILL BE OPTIMAL. THERE WILL BE TWO MORE ZONES USING 9 5004 + PCSR PART-PATTERN POP-UP ROTOR WIT PRS PRESSURE. ALL OF THESE ROTORS WILL BE USING 3/4" INLETS FOR THE SWING JOINT.

REVISIONS
DATE
1
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ARCHITECTURAL COALITION
962 West 800 North, Orem Utah, 84057 PH: 801-491-0275

LICENSED ARCHITECT
NO. 123134
GUILFORD A. RAND
STATE OF UTAH

A WAREHOUSE & MANUFACTURING BUILDING
FOR Scott Smith
Santaquin, Utah, 84655
X5JR+RJ

SHEET NO.
L 1.0

DATE
9/05/2023

9/5/2023 12:00:30 PM C:\Arch Coalition\PHILLIP LANDSCAPING\SCOTT SMITH NEW YH.rvt

PLANTING SCHEDULE

TREES:

SYMBOL	LATIN / BATANICAL NAME	COMMON NAME	SIZE	CONTAINER	QUANTITY
	GLEDITSISA TRIACANTHOS 'INTERMIS'	THORNLESS COMMON HONEY LOCUST 'SHADE MASTER'	2" CALIPER	CAGED, BALL AND BURLAP	(14)
	CEDRUS ATLANTICA 'GLAUCA PENDULA'	WEEPING BLUE ATLAS CEDAR	6' TO 8' TALL	CAGED, BALL AND BURLAP	(6)
SHRUBS:					
	WEIGELA FLORIDA 'ALEXANDRA'	WINE & ROSES WEGELA	5 GALLON	PLASTIC CONTAINER	(54)
	POTENTILLA FRUTICOSA 'RED ACE'	POTENTILLA	5 GALLON	PLASTIC CONTAINER	(47)
	PRUNUS X CERASIFERA VIRGINIANA 'SCHUBERT'	PURPLE LEAF SHRUB	5 GALLON	PLASTIC CONTAINER	(17)
	LILIUM	TIGER DAY LILY	3 GALLON	PLASTIC CONTAINER	(50)
	VIBURNUM TINUS.	'SPRING BOUQUET'	3 GALLON	PLASTIC CONTAINER	(23)
	DECORATIVE ROCK				
	DECORATIVE BOULDERS				

NOTE: TOTAL LANDSCAPE AREA 8,491 SQ '

LANDSCAPE PLAN

N

SCALE: 1" - 30'

0' 15' 45' 90'

REVISIONS
DATE
1
2
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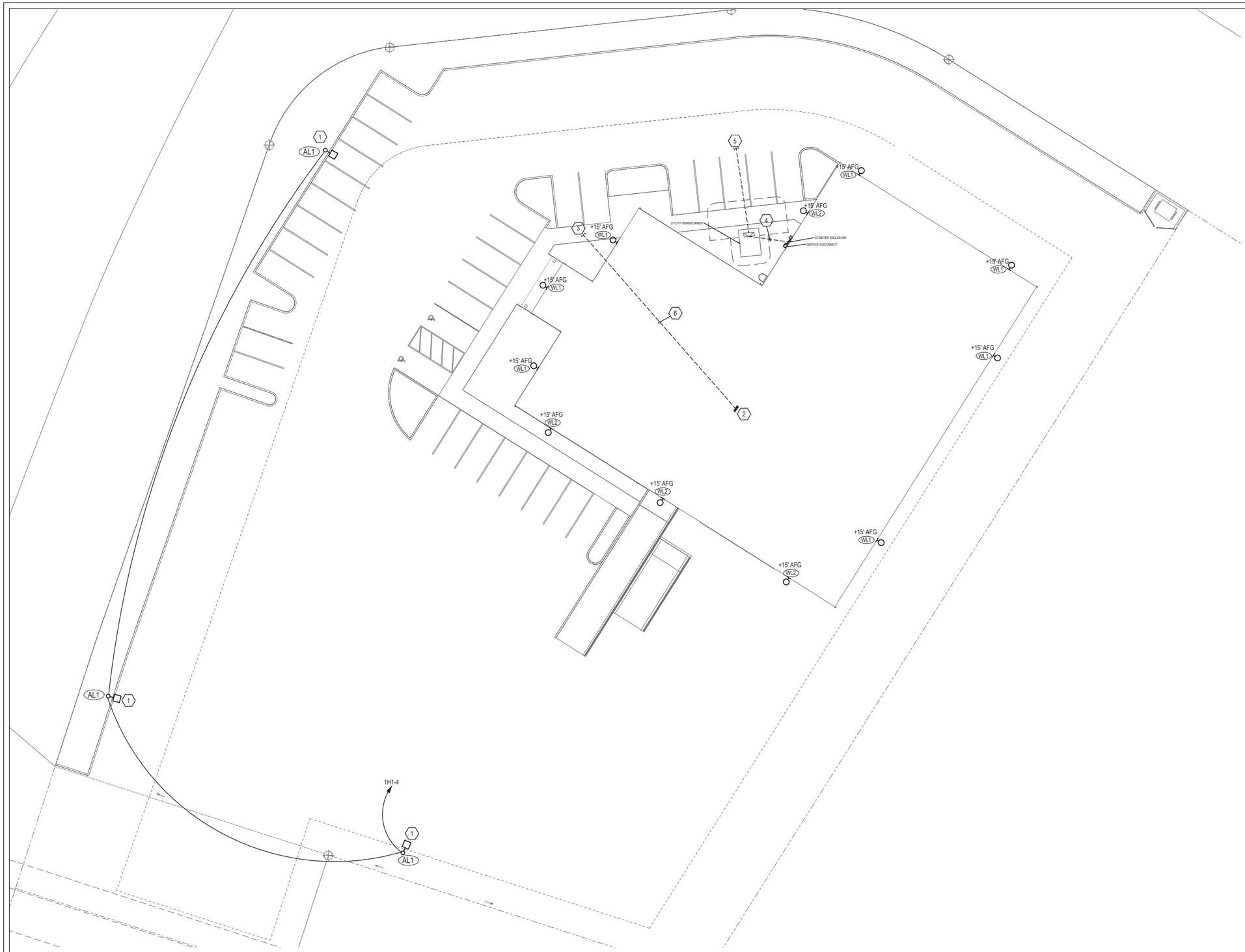
ARCHITECTURAL COALITION
962 West 800 North, Orem Utah, 84057 PH: 801-491-0275

LICENSED ARCHITECT
NO. 123134
GUILFORD A. RAND
STATE OF UTAH

A WAREHOUSE & MANUFACTURING BUILDING
FOR Scott Smith
Santaquin, Utah, 84655
X5JR+RJ2

SHEET NO.
L-2

DATE
9/05/2023



1 ES101 ELECTRICAL SITE PLAN
SCALE: 1/16"=1'-0"

KEYED NOTES

1. POLE LIGHTS SHALL HAVE INTEGRAL PHOTOCELL AND MOTION SENSOR FOR INDIVIDUAL DIMMING DOWN TO 30 PERCENT WHEN NO MOTION IS DETECTED. SEE 501(10) FOR FURTHER INFORMATION.
2. COMMUNICATION BOARD.
3. TO LOCATION AS DIRECTED BY COMMUNICATION COMPANY.
4. SEE EG701 ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR REQUIREMENTS.
5. TO LOCATION AS DIRECTED BY POWER COMPANY.
6. SEE COMMUNICATION RISER DIAGRAM FOR CONDUIT AND CONDUCTOR REQUIREMENTS.

GENERAL NOTES

A. LOCATE AND IDENTIFY EXISTING UNDERGROUND UTILITY LINES ON SITE PRIOR TO WORK. HAND DIG OR POT HOLE AROUND EXISTING UTILITIES TO AVOID DISRUPTION TO EXISTING SERVICES.

B. MINIMUM CONDUCTOR SIZE FOR EXTERIOR LIGHTING CIRCUITS TO BE 10 AWG.

C. ALL LIGHTING BRANCH CIRCUITS SHALL BE INSTALLED BETWEEN 24" MINIMUM AND 36" MAXIMUM BELOW FINISHED GRADE.

D. ALL POWER BRANCH CIRCUITS SHALL BE INSTALLED BETWEEN 24" MINIMUM AND 36" MAXIMUM BELOW FINISHED GRADE.

E. ALL COMMUNICATIONS CONDUIT AND CABLES TO BE INSTALLED 36" MINIMUM BELOW FINISHED GRADE.

F. COORDINATE UNDERGROUND UTILITY FEEDERS AND TRANSFORMER LOCATION WITH CIVIL SITE UTILITY DRAWINGS.

G. COORDINATE SERVICE CONDUIT SIZE AND QUANTITIES WITH LOCAL POWER UTILITY PRIOR TO ROUGH-IN.

H. INSTALL ALL POWER UTILITY CONDUITS A MINIMUM OF 48" BELOW FINISHED GRADE. USE LONG SWEEP STEEL RIGID OR FIBER GLASS ELBOWS. WRAP PRIMARY ELBOWS WITH 10 MIL NON-CORROSIVE TAPE.

PERMIT SET

ARCHITECTURAL COALITION
362 West 800 North, Orem Utah, 84057 PH: 801-491-0275

PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
06/13/2023
STATE OF UTAH

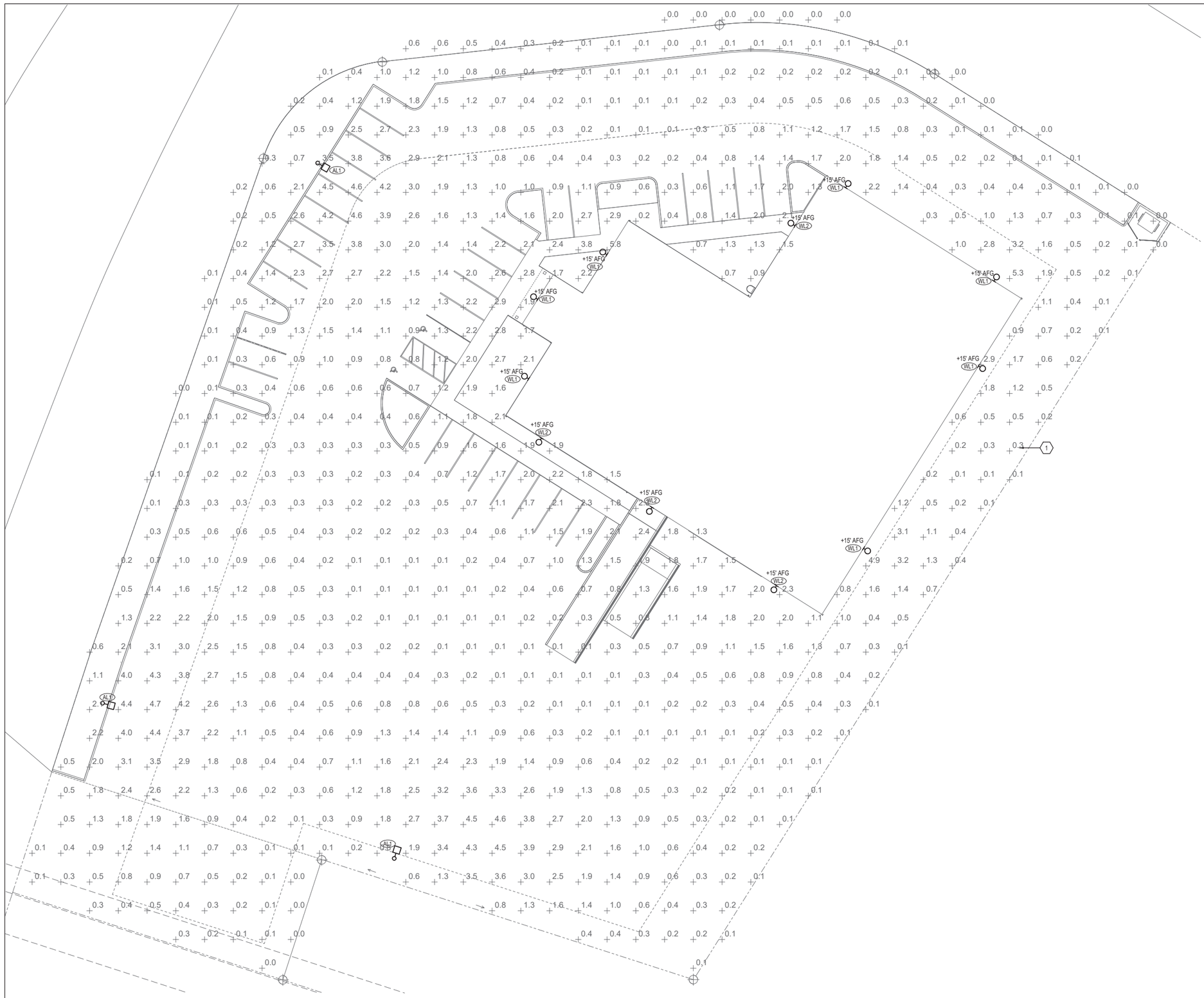
A WAREHOUSE & MANUFACTURING BUILDING
FOR Scott Smith
39°58'55.4"N 111°48'30.6"W Santaquin, Utah, 84655

VBFA
181 East 5600 South
Murray, Utah 84107
O: (801) 530-3148
F: (801) 530-3150
www.vbfa.com
vbfa project #: 23291

SHEET NO.
ES101
DATE
06/13

GENERAL NOTES

A. INDICATES FOOT CANDLE LEVELS.



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1 ES102 ELECTRICAL PHOTOMETRIC SITE PLAN

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

PERMIT SET

ARCHITECTURAL COALITION
362 West 800 North, Orem Utah, 84057 PH: 801-491-0275

PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
06/13/2023
STATE OF UTAH

A WAREHOUSE & MANUFACTURING BUILDING
FOR Scott Smith
39°58'55.4"N 111°48'30.6"W Santaquin, Utah, 84655

SHEET NO.
ES102
DATE
06/13/2023

VBFA
181 East 5600 South
Murray, Utah 84107
O: (801) 530-3148
F: (801) 530-3150
www.vbfa.com
vbfa project #: 23291

EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	ELECTRICAL									OVER CURRENT PROTECTION					STR	REMARKS
		VOLT	PHASE	LOAD	FLA	WIRE SETS	WIRE QTY	WIRE SIZE	WIRE GND	COND SIZE	OCPD/ MOCP	TYPE	DISCONNECT SIZE	DISCONNECT POLE	FUSE SIZE	NEMA SIZE	
CU - 1	CONDENSING UNIT	208	1	25.70 MCA	20.6	1	2	8	10	3/4	45	C1	60	2	35	-	9 A
CU - 2	CONDENSING UNIT	208	1	25.70 MCA	20.6	1	2	8	10	3/4	50	C1	60	2	35	-	9 A
DEF - 1	EXHAUST FAN	480	3	0.75 HP	1.6	1	3	12	12	3/4	20	C1	-	-	-	-	11 A 16A
DEF - 2	EXHAUST FAN	120	1	0.13 HP	4.4	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
F - 1	FURNACE	120	1	13.80 MCA	11.0	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
F - 2	FURNACE	120	1	13.80 MCA	11.0	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
UH - 1	UNIT HEATER	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
UH - 2	UNIT HEATER	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
UH - 3	UNIT HEATER	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
UH - 4	UNIT HEATER	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
UH - 5	UNIT HEATER	120	1	0.50 HP	9.8	1	2	12	12	3/4	20	C1	-	-	-	-	4 A
EWH - 1	ELECTRIC WATER HEATER	208	1	4.00 KW	19.2	1	2	10	10	3/4	30	C1	30	2	30	-	1 A
RCP - 1	RECIRCULATION PUMP	120	1	0.17 HP	5.8	1	2	12	12	3/4	20	C1	-	-	-	-	12 A

ABBREVIATIONS:
KW = KILOWATTS
V/PH = VOLTAGE/PHASE
HP = HORSEPOWER
W = WATTS
VA = VOLT AMPERES
KVA = KILOVOLT AMPERES
FLA = FULL LOAD AMPERES
MCA = MINIMUM CIRCUIT AMPACITY
DISC = DISCONNECT
GND = GROUND
STR = STARTER
PL = POLE
OCPD = OVERCURRENT PROTECTIVE DEVICE
COND = CONDUIT
MOCP = MAXIMUM OCPD (LISTED BY THE MANUFACTURER)

REMARKS:
1. NEMA 1 FUSED DISCONNECT SWITCH
2. NEMA 1 NON-FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER WITH THERMAL OVERLOAD
5. MANUAL MOTOR CONTROLLER W/OUT THERMAL OVERLOAD
6. MAGNETIC STARTER
7. MAGNETIC STR/NON-FUSED DISCONNECT COMBINATION
8. MAGNETIC STR/FUSED DISCONNECT COMBINATION
9. NEMA 3R FUSED DISCONNECT SWITCH
10. NEMA 3R NON-FUSED DISCONNECT SWITCH
11. VARIABLE FREQUENCY DRIVE
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. DIRECT CONNECTION
14. DUCT DETECTOR IN RETURN AIR DUCT. PROVIDE RELAY/CONTROL MODULE AND 120V POWER AS REQUIRED TO TIE TO FIRE ALARM FOR AUTOMATIC SHUT OFF.
15. CONTROLLED WITH LIGHTS
16. LM-EB DISCONNECT W/CNTRL WIRING TO VFD
17. SPLIT SYSTEM. INDOOR UNIT FED FROM OUTDOOR UNIT.

REMARKS:
A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26.
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIV 26.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIV 26.
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION.
E. FURNISHED AND INSTALLED UNDER DIV 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION.

OCPD TYPES:
C1 = THERMAL MAGNETIC CIRCUIT BREAKER
C2 = MAGNETIC ONLY CIRCUIT BREAKER

NOTES:
- THE DIVISION 26 CONTRACTOR MAY INCREASE THE CONDUIT SIZE BY ONE INCREMENTAL SIZE TO FACILITATE INSTALLATION OR TO HELP WITH MATERIAL AVAILABILITY/COST.

SHOP EQUIPMENT SCHEDULE

TYPE	DESCRIPTION	ELECTRICAL									OVER CURRENT PROTECTION						TWIST-LOCK	MOUNTING HEIGHT	REMARKS
		VOLT	PHASE	LOAD	FLA	WIRE SETS	WIRE QTY	WIRE SIZE	WIRE GND	COND SIZE	OCPD/ MOCP	TYPE	DISCONNECT SIZE	DISCONNECT POLE	FUSE SIZE	NEMA CONFIG			
AIR - 1	AIR COMPRESSOR	208	3	32.00 FLA	32.0	1	3	8	10	3/4	50	C1	-	-	-	-			12 A 17
AIR - 2	AIR COMPRESSOR	120	1	13.00 FLA	13.0	1	2	12	12	3/4	20	C1	-	-	-	-			12 A 17
DP - 1	DRILL PRESS	120	1	6.60 FLA	6.6	1	2	12	12	3/4	20	C1	-	-	-	-			12 A 17
WLD - 1	LINCOLN WELDER	208	1	52.00 FLA	52.0	1	2	4	8	3/4	80	C1	-	-	-	-			12 A 17
AP - 1	TORSION AXLE PRESS	208	3	4.00 KW	11.1	1	3	12	12	3/4	20	C1	-	-	-	-			12 A 17
GR - 1	GRINDER	120	1	13.00 FLA	13.0	1	2	12	12	3/4	20	C1	-	-	-	-			12 A 17
LTH - 1	LATHE	208	3	26.00 FLA	26.0	1	3	8	10	3/4	40	C1	-	-	-	-			12 A 17
MILL - 1	END MILL	208	1	20.00 FLA	20.0	1	2	10	10	3/4	30	C1	-	-	-	-			12 A 17
UBB - 1	U BOLT BENDER	208	3	5.00 HP	17.5	1	3	10	10	3/4	30	C1	-	-	-				12 A 17
PVR - 1	PRESS VICROC	208	3	24.00 FLA	24.0	1	3	8	10	3/4	40	C1	-	-	-	-			12 A 17
PC - 1	PLASMA CUTTER	208	3	75.00 MCA	60.0	1	3	3	8	1	90	C1	-	-	-	-			12 A 17
BS - 1	BAND SAW	120	1	13.00 FLA	13.0	1	2	12	12	3/4	20	C1	-	-	-	-			12 A 17
WLD - 2	MILLER WELDER	208	3	51.00 FLA	51.0	1	3	4	8	1	80	C1	-	-	-	-			12 A 17
CS - 1	CHOP SAW	120	1	15.00 FLA	15.0	1	2	10	10	3/4	25	C1	-	-	-	-			12 A 17

ABBREVIATIONS:
KW = KILOWATTS
V/PH = VOLTAGE/PHASE
HP = HORSEPOWER
W = WATTS
VA = VOLT AMPERES
KVA = KILOVOLT AMPERES
FLA = FULL LOAD AMPERES
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DISC = DISCONNECT
GND = GROUND
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OCPD = OVERCURRENT PROTECTIVE DEVICE
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6. MAGNETIC STARTER
7. MAGNETIC STR/NON-FUSED DISCONNECT COMBINATION
8. MAGNETIC STR/FUSED DISCONNECT COMBINATION
9. NEMA 3R FUSED DISCONNECT SWITCH
10. NEMA 3R NON-FUSED DISCONNECT SWITCH
11. VARIABLE FREQUENCY DRIVE
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. DIRECT CONNECTION
14. DUCT DETECTOR IN RETURN AIR DUCT. PROVIDE RELAY/CONTROL MODULE AND 120V POWER AS REQUIRED TO TIE TO FIRE ALARM FOR AUTOMATIC SHUT OFF.
15. CONTROLLED WITH LIGHTS
16. LM-EB DISCONNECT W/CNTRL WIRING TO VFD
17. COODINATE WITH OWNER PRIOR TO BID FOR FINAL LOCATION AND CONNECTION TYPE.

REMARKS:
A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26.
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIV 26.
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIV 26.
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OCPD TYPES:
C1 = THERMAL MAGNETIC CIRCUIT BREAKER
C2 = MAGNETIC ONLY CIRCUIT BREAKER

NOTES:
- THE DIVISION 26 CONTRACTOR MAY INCREASE THE CONDUIT SIZE BY ONE INCREMENTAL SIZE TO FACILITATE INSTALLATION OR TO HELP WITH MATERIAL AVAILABILITY/COST.

GENERAL NOTE: THE EC SHALL COORDINATE ALL REQUIREMENTS (IE: MOCP SIZE, UNIT THERMAL PROTECTION, ETC) WITH APPROVED MECHANICAL SHOP DRAWINGS/SUBMITTALS AND BRING UP ANY DISCREPANCIES WITH THE ELECTRICAL ENGINEER OF RECORD IN WRITING PRIOR TO ROUGH-IN AND ORDERING OF MATERIALS.

LUMINAIRE SCHEDULE

TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS		TYPE	MOUNTING	DIMMING	VA
HL1	HIGHBAY/LOWBAY 2X4 HIGH BAY SUSPENDED WITH OCCUPANCY SENSOR AND INTEGRATED PHOTOCELL, MOUNTED AT 24 FEET A.F.F. EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	COOPER	LHB-18-UNV-L840-CD-OEFP010VMV-U OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 18000 80 4000K	PENDANT	0-10V	132
GL1	GRID 2X4 LED FLAT PANEL RECESSED IN GRID.	COOPER	EPANL 2X4 4000LMHE MIN10 ZT MVOLT OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 4000 80 4000K	GRID	0-10V	38.8
DL1	DOWNLIGHT 6" DOWNLIGHT RECESSED WITH MATTE DIFFUSER AND MEIUM WIDE DISTRIBUTION.	GOTHAM LIGHTG	EVO6-40-15-AR-LD-MWD-MVOLT-GZ10-NLT OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 1500 80 4000K	SURFACE	0-10V	14.7
VL1	VANITY LIGHT 2' VANITY LIGHT FOR BATHROOM.	RP LIGHTING	4907 SERIES 3000K 90CRI 120V 24" OR APPROVED EQUAL	120	LUMENS: CRI: CCT:	LED 1350 90 3000K	WALL	0-10V	15
SL1	STRIP LIGHT 4 FOOT LED STRIP LIGHT WITH INTEGRAL OCCUPANCY AND DAYLIGHT SENSORS. DAMP LOCATION LISTED WITH WHITE	METALUX	4SWLED-40SL-LW-UNV-EL14W-L835-CD1-SVPD1 OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 4000 80 3500K	SURFACE	0-10V	37.9
WL1	WALL EXTERIOR WALL PACK LED MOUNTED AT 15 FEET AFG.	LITHONIA	WDGE2-LED-P3-30K-80CRI-VF OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 3014 70 3000K	WALL	NA	22.5
WL2	WALL EXTERIOR WALL PACK MOUNTED AT 15 FEET AFG WITH FORWARD THROW MEDIUM OPTIC.	LITHONIA	WDGE2-LED-P4-30K-70CRI-TFTM OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 4400 70 3000K	WALL	NA	46.6
AL1	AREA LIGHT POLE MOUNTED LED LED AT 20 FEET AFG. WITH EXTERNAL GLARE SHIELD.	LITHONIA	DSX2-LED-P2-30K-70CRI-T3M-EGSR OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 20730 70 3000K	POLE	NA	179
EL1	EMERGENCY EMERGENCY EGRESS LIGHT WITH BATTERY BACKUP.	LITHONIA	AFO W MVOLT N SD CW OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	LED 730 70 4000K	WALL	NA	5
XL1	EXIT DEVICE POLYCARBONATE WHITE EXIT SIGN WITH SELF DIAGNOSTICS AND UNIVERSAL CHEVERON KIT. NI-CAD BATTERY.	LITHONIA	LHGM LED G MX ELMRE LP220L T OR APPROVED EQUAL	MVOLT	LUMENS: CRI: CCT:	110 GREEN	AS INDICATED	NA	5

Luminaire Schedule General Notes:

1 Refer to Luminaire description for fixture requirements. Manufactures model numbers may not be specific or complete. The contractor is responsible to provide complete fixtures as described on this schedule with all mounting hardware and equipment for a complete installation.

2 Refer to the architectural reflected ceiling drawings for exact fixture locations and ceiling types. Verify exact ceiling types and bring to the attention of the architect and electrical engineer any discrepancies prior to bid. Fixtures shall match architectural ceiling types.

3 Provide all fixture support and seismic bracing to secure fixture to structure, walls and ceiling systems. Refer to mounting details for additional requirements. Provide all pole bases as shown on the details.

4 Prior approval shall be required for all manufactures who are not listed on this schedule. The prior approvals shall be submitted to the electrical engineer (7) working days prior to the bid. Prior approvals received after this time cut-off shall not be reviewed or approved.

5 Submittals for prior approval shall be equivalent to the specified fixtures and reviewed and signed by the principle of the organization that is submitting for approval. Provide complete fixture submittals as listed in the specification. All information that does not apply to the fixture being submitted shall be crossed out. The electrical engineer shall be the final determination if the fixture is equivalent or not.

6 Fixtures that have been reviewed and approved as equivalent to the specified fixtures shall be listed in and addendum prior to bid. Light fixtures without prior approval are rejected and contractor shall base their bid on the approved listed fixtures. A verbal approval will not be given or approved by VBFA at any time.

7 Any additional time required to verify if submitted fixture meets all photometric requirements shall be paid by the agency requesting approval. Photometric point-by-point plans may be required from the agency submitting for approval indicating equivalency.

8 Color temperature for all interior luminaires shall be 4000K and 3000K for exterior luminaires unless noted otherwise in the schedule.

9 Verify exact fixture finishes with the architect prior to submittal.

10 Provide minimum 5 year warranty on all light fixtures.

11 LED light fixtures shall meet LM79 and LM80 standards with +50,000 hour L70 lamp life

12 Luminaire shall be listed per NEC 410.6.

13 Lumens specified for fixtures with integral LEDs are total delivered fixture lumens

14 Fixtures identified as emergency on the plans shall be provided with an emergency battery pack or remote inverter with a 1400 lumen output minimum for each emergency fixture or full lumen output if lumen output of luminaire is less than 1400 lumens.

15 Provide battery pack for exit signs not tied to an emergency circuit on generator.

PERMIT SET

VBFA
181 East 5600 South
Murray, Utah 84107
O: (801) 530-3148
F: (801) 530-3150
www.vbfa.com
vbfa project #: 23291

Item 3.

ARCHITECTURAL COALITION
362 West 800 North, Orem Utah, 84057 PH: 801-491-0275

PROFESSIONAL ENGINEER
Lewis Wong
No. 9075170
06/13/2023
STATE OF UTAH

A WAREHOUSE & MANUFACTURING BUILDING
FOR Scott Smith
Santaquin, Utah, 84655
39°58'55.4"N 111°48'30.6"W

SHEET NO.
EG602
DATE
06/13/23

D-Series Size 2
LED Area Luminaire

Catalog Number

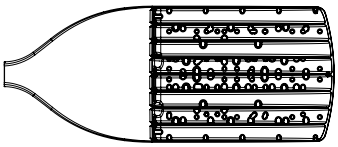
Notes

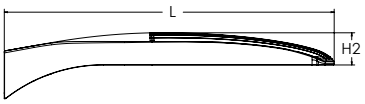
Type

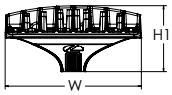
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.06 ft² (0.10 m²)
Length:	40.59" (103.1 cm)
Width:	16.76" (42.6 cm)
Height H1:	8.11" (20.6 cm)
Height H2:	3.96" (10.1 cm)
Weight:	46 lbs (20.9 kg)







Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of up to 80% vs. 1000W HID and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX2 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX2 LED

Series	LEDs	Color temperature [2]	Color Rendering Index [2]	Distribution	Voltage	Mounting
DSX2 LED	**Forward optics** P1 P5 P2 P6 P3 P7 P4 P8 **Rotated optics** P10 [1] P13 [1] P11 [1] P14 [1] P12 [1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare [3] T4M Type IV medium T4LG Type IV low glare [3] TFTM Forward throw medium T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control [3] BLC4 Type IV backlight control [3] LCCO Left corner cutoff [3] RCCO Right corner cutoff [3]	MVOLT (120V-277V) [4] HVOLT (347V-480V) [5,6] XVOLT (277V - 480V) [7,8]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling [9] RPA5 Round pole mounting #5 drilling [9] SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket [10] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options

Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient senso, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,20,21]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,20,21]
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]
PER5	Five-pin receptacle only (controls ordered separate) [14,21]
PER7	Seven-pin receptacle only (controls ordered separate) [14,21]
FAO	Field adjustable output [15,21]
BL30	Bi-level switched dimming, 30% [16,21]
BL50	Bi-level switched dimming, 50% [16,21]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]
DS	Dual switching [18,19,21]

Other options

Shipped installed

SPD20KV	20KV surge protection
HS	Houseside shield (black finish standard) [22]
L90	Left rotated optics [1]
R90	Right rotated optics [1]
CCE	Coastal Construction [23]
HA	50°C ambient operation [24]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

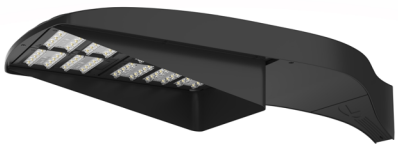
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK	Shorting cap [25]
DSX2HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX2BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

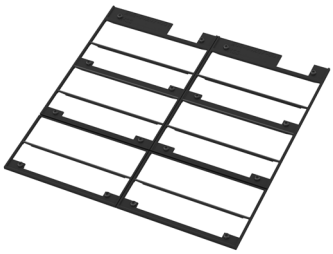
NOTES

1 Rotated optics available with packages P10, P11, P12, P13 and P14. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in package P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P10 using HVOLT. NLTAIR2 PIRHN not available with P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P10 using HVOLT. PIR not available with P10 using XVOLT.
14 14) PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads on P1, P2, P3, P4, P5 (2 drivers). Note: Provides 60/40 operation using (2) different sets of leads on P6, P7, P8, P9, P10, P11, P12, P13, P14 (3 drivers).
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
24 Option HA not available with performance packages P5, P6, P7, P8, P13 and P14.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories



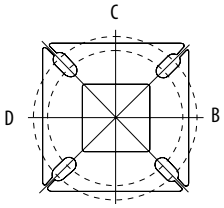
External Glare Shield (EGSR)



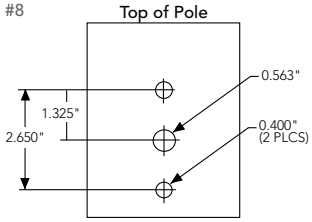
House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX2 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX2 with SPA	1.06	2.12	1.84	2.32	---	2.33
DSX2 with SPA5, SPA8N	1.07	2.14	1.90	2.43	---	2.44
DSX2 with RPA, RPA5	1.07	2.14	1.90	2.43	2.31	2.44
DSX2 with MA	1.20	2.40	2.12	3.00	2.92	3.00

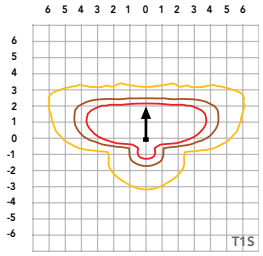
Photometric Diagrams

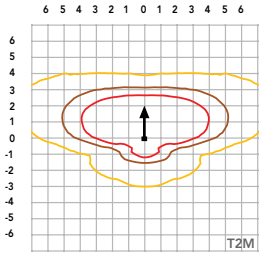
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

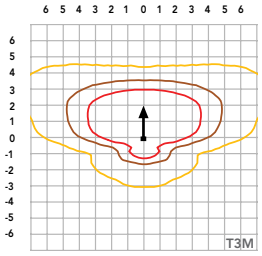
Isofootcandle plots for the DSX2 LED P8 40K 70CRI. Distances are in units of mounting height (40').

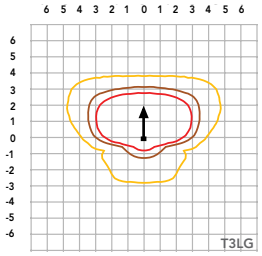
LEGEND

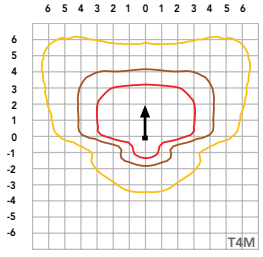
- 0.1 fc
- 0.5 fc
- 1.0 fc

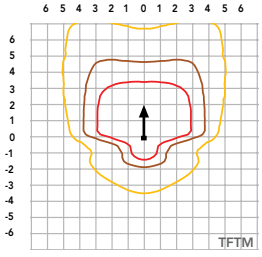


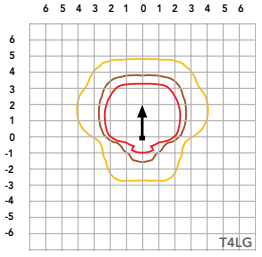


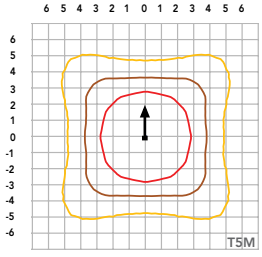


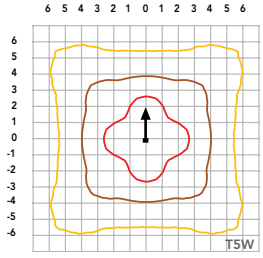


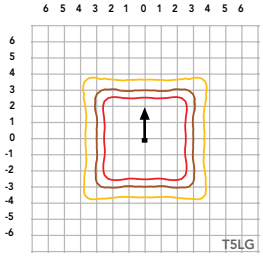


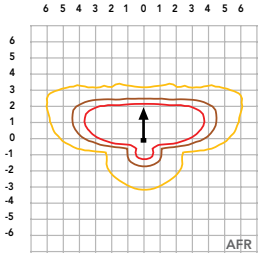


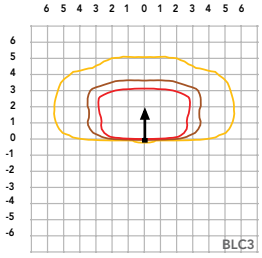


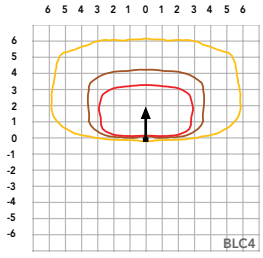


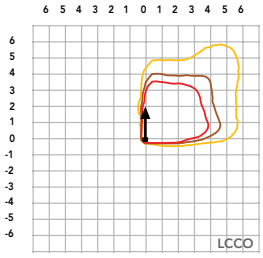


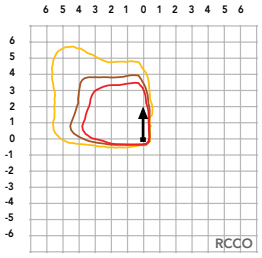












Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.03
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.82

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A) 120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	80	530	135	1.12	0.65	0.56	0.49	0.39	0.28
	P2	80	700	181	1.49	0.86	0.75	0.65	0.52	0.37
	P3	80	850	222	1.83	1.05	0.91	0.79	0.63	0.46
	P4	80	1050	277	2.27	1.31	1.14	0.98	0.79	0.57
	P5	80	1250	333	2.72	1.57	1.36	1.18	0.94	0.68
	P6	100	1050	345	2.85	1.64	1.42	1.23	0.98	0.71
	P7	100	1250	414	3.41	1.97	1.70	1.48	1.18	0.85
	P8	100	1400	466	3.85	2.22	1.93	1.67	1.33	0.96
Rotated Optics (Requires L90 or R90)	P10	90	530	152	1.27	0.73	0.63	0.55	0.44	0.32
	P11	90	700	203	1.69	0.97	0.84	0.73	0.58	0.42
	P12	90	850	249	2.06	1.19	1.03	0.89	0.71	0.52
	P13	90	1200	358	2.95	1.70	1.47	1.28	1.02	0.74
	P14	90	1400	421	3.46	2.00	1.73	1.50	1.20	0.87

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

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

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	135W	80	530	T1S	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158
				T2M	18,477	3	0	4	137	19,256	3	0	4	143	19,632	3	0	4	146
				T3M	18,691	3	0	5	139	19,480	3	0	5	145	19,859	3	0	5	148
				T3LG	16,696	2	0	2	124	17,400	2	0	2	129	17,740	2	0	2	132
				T4M	18,970	3	0	5	141	19,770	3	0	5	147	20,155	3	0	5	150
				T4LG	17,253	2	0	2	128	17,981	2	0	2	134	18,331	2	0	2	136
				TFTM	19,101	3	0	5	142	19,907	3	0	5	148	20,295	3	0	5	151
				T5M	19,517	5	0	3	145	20,341	5	0	3	151	20,737	5	0	3	154
				T5W	19,834	5	0	3	147	20,670	5	0	3	154	21,073	5	0	3	157
				T5LG	19,574	4	0	2	146	20,400	4	0	2	152	20,797	4	0	2	155
				BLC3	13,595	0	0	3	101	14,169	0	0	3	105	14,445	0	0	3	107
				BLC4	14,042	0	0	4	104	14,634	0	0	4	109	14,919	0	0	4	111
				RCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108
				LCCO	13,718	1	0	3	102	14,297	1	0	3	106	14,576	1	0	3	108
				AFR	19,946	2	0	3	148	20,787	2	0	3	155	21,192	2	0	3	158
P2	179W	80	700	T1S	25,520	3	0	3	142	26,597	3	0	3	148	27,116	3	0	3	151
				T2M	23,641	3	0	5	132	24,638	3	0	5	137	25,118	3	0	5	140
				T3M	23,915	3	0	5	133	24,924	3	0	5	139	25,410	3	0	5	142
				T3LG	21,363	3	0	3	119	22,264	3	0	3	124	22,698	3	0	3	127
				T4M	24,272	3	0	5	135	25,296	3	0	5	141	25,789	3	0	5	144
				T4LG	22,075	3	0	3	123	23,006	3	0	3	128	23,455	3	0	3	131
				TFTM	24,440	3	0	5	136	25,471	3	0	5	142	25,967	3	0	5	145
				T5M	24,972	5	0	3	139	26,026	5	0	3	145	26,533	5	0	4	148
				T5W	25,377	5	0	4	142	26,448	5	0	4	148	26,963	5	0	4	150
				T5LG	25,045	4	0	2	140	26,101	4	0	2	146	26,610	4	0	2	148
				BLC3	17,395	0	0	4	97	18,129	0	0	4	101	18,482	0	0	4	103
				BLC4	17,966	0	0	4	100	18,724	0	0	5	104	19,089	0	0	5	107
				RCCO	17,552	1	0	4	98	18,293	1	0	4	102	18,649	1	0	4	104
				LCCO	17,552	1	0	4	98	18,293	1	0	4	102	18,649	1	0	4	104
				AFR	25,520	3	0	3	142	26,597	3	0	3	148	27,116	3	0	3	151
P3	219W	80	850	T1S	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146
				T2M	27,908	3	0	5	127	29,085	3	0	5	133	29,652	3	0	5	135
				T3M	28,232	3	0	5	129	29,423	3	0	5	134	29,996	3	0	5	137
				T3LG	25,218	3	0	3	115	26,282	3	0	3	120	26,794	3	0	3	122
				T4M	28,652	3	0	5	131	29,861	3	0	5	136	30,443	3	0	5	139
				T4LG	26,059	3	0	3	119	27,159	3	0	3	124	27,688	3	0	3	126
				TFTM	28,851	3	0	5	132	30,068	3	0	5	137	30,654	3	0	5	140
				T5M	29,479	5	0	4	134	30,723	5	0	4	140	31,322	5	0	4	143
				T5W	29,957	5	0	4	137	31,221	5	0	4	142	31,830	5	0	4	145
				T5LG	29,565	4	0	2	135	30,812	5	0	2	140	31,413	5	0	2	143
				BLC3	20,535	0	0	4	94	21,401	0	0	4	98	21,818	0	0	4	99
				BLC4	21,209	0	0	5	97	22,104	0	0	5	101	22,534	0	0	5	103
				RCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100
				LCCO	20,720	1	0	4	94	21,594	1	0	4	98	22,015	1	0	4	100
				AFR	30,127	3	0	4	137	31,398	3	0	4	143	32,010	3	0	4	146
P4	273W	80	1050	T1S	35,879	3	0	4	132	37,392	3	0	4	137	38,121	3	0	4	140
				T2M	33,236	3	0	5	122	34,638	3	0	5	127	35,313	3	0	5	130
				T3M	33,622	3	0	5	123	35,040	3	0	5	129	35,723	3	0	5	131
				T3LG	30,033	3	0	4	110	31,300	3	0	4	115	31,910	3	0	4	117
				T4M	34,123	3	0	5	125	35,562	3	0	5	130	36,255	3	0	5	133
				T4LG	31,035	3	0	4	114	32,344	3	0	4	119	32,974	3	0	4	121
				TFTM	34,359	3	0	5	126	35,808	3	0	5	131	36,506	3	0	5	134
				T5M	35,108	5	0	4	129	36,589	5	0	4	134	37,302	5	0	4	137
				T5W	35,677	5	0	4	131	37,182	5	0	5	136	37,907	5	0	5	139
				T5LG	35,209	5	0	3	129	36,695	5	0	3	135	37,410	5	0	3	137
				BLC3	24,456	0	0	4	90	25,487	0	0	4	93	25,984	0	0	5	95
				BLC4	25,258	0	0	5	93	26,324	0	0	5	97	26,837	0	0	5	98
				RCCO	24,676	1	0	4	91	25,717	1	0	4	94	26,218	1	0	4	96
				LCCO	24,676	1	0	4	91	25,717	1	0	4	94	26,218	1	0	4	96
				AFR	35,879	3	0	4	132	37,392	3	0	4	137	38,121	3	0	4	140

Performance Data

Lumen Output

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

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	327W	80	1250	T1S	41,149	3	0	4	126	42,885	3	0	4	131	43,721	3	0	4	134
				T2M	38,118	4	0	5	117	39,727	4	0	5	122	40,501	4	0	5	124
				T3M	38,561	3	0	5	118	40,187	3	0	5	123	40,971	3	0	5	125
				T3LG	34,445	3	0	4	105	35,898	3	0	4	110	36,598	3	0	4	112
				T4M	39,135	3	0	5	120	40,786	3	0	5	125	41,581	3	0	5	127
				T4LG	35,594	3	0	4	109	37,095	3	0	4	114	37,818	3	0	4	116
				TFTM	39,406	3	0	5	121	41,069	3	0	5	126	41,869	3	0	5	128
				T5M	40,265	5	0	4	123	41,964	5	0	4	128	42,782	5	0	5	131
				T5W	40,918	5	0	5	125	42,644	5	0	5	131	43,475	5	0	5	133
				T5LG	40,382	5	0	3	124	42,085	5	0	3	129	42,906	5	0	3	131
				BLC3	28,048	0	0	5	86	29,231	0	0	5	90	29,801	0	0	5	91
				BLC4	28,969	0	0	5	89	30,191	0	0	5	92	30,779	0	0	5	94
				RCCO	28,301	2	0	5	87	29,495	2	0	5	90	30,070	2	0	5	92
				LCCO	28,301	2	0	5	87	29,495	2	0	5	90	30,070	2	0	5	92
				AFR	41,149	3	0	4	126	42,885	3	0	4	131	43,721	3	0	4	134
P6	342W	100	1050	T1S	45,968	3	0	4	135	47,907	3	0	5	140	48,841	3	0	5	143
				T2M	42,582	4	0	5	125	44,379	4	0	5	130	45,244	4	0	5	132
				T3M	43,076	4	0	5	126	44,894	4	0	5	131	45,769	4	0	5	134
				T3LG	38,479	3	0	4	113	40,102	3	0	4	117	40,884	3	0	4	120
				T4M	43,719	4	0	5	128	45,563	4	0	5	133	46,451	4	0	5	136
				T4LG	39,762	3	0	4	116	41,439	3	0	4	121	42,247	3	0	4	124
				TFTM	44,021	3	0	5	129	45,878	4	0	5	134	46,772	4	0	5	137
				T5M	44,980	5	0	5	132	46,878	5	0	5	137	47,792	5	0	5	140
				T5W	45,710	5	0	5	134	47,638	5	0	5	139	48,566	5	0	5	142
				T5LG	45,111	5	0	3	132	47,014	5	0	3	138	47,930	5	0	3	140
				BLC3	31,333	0	0	5	92	32,655	0	0	5	96	33,291	0	0	5	97
				BLC4	32,361	0	0	5	95	33,726	0	0	5	99	34,384	0	0	5	101
				RCCO	31,615	2	0	5	93	32,949	2	0	5	96	33,591	2	0	5	98
				LCCO	31,615	2	0	5	93	32,949	2	0	5	96	33,591	2	0	5	98
				AFR	45,968	3	0	4	135	47,907	3	0	5	140	48,841	3	0	5	143
P7	409W	100	1250	T1S	52,692	3	0	5	129	54,915	3	0	5	134	55,986	3	0	5	137
				T2M	48,811	4	0	5	119	50,871	4	0	5	124	51,862	4	0	5	127
				T3M	49,378	4	0	5	121	51,461	4	0	5	126	52,464	4	0	5	128
				T3LG	44,107	3	0	4	108	45,968	3	0	4	112	46,864	3	0	5	115
				T4M	50,114	4	0	5	122	52,228	4	0	5	128	53,246	4	0	5	130
				T4LG	45,579	3	0	4	111	47,501	3	0	4	116	48,427	3	0	4	118
				TFTM	50,460	4	0	5	123	52,589	4	0	5	129	53,614	4	0	5	131
				T5M	51,560	5	0	5	126	53,735	5	0	5	131	54,783	5	0	5	134
				T5W	52,396	5	0	5	128	54,607	5	0	5	133	55,671	5	0	5	136
				T5LG	51,710	5	0	4	126	53,891	5	0	4	132	54,941	5	0	4	134
				BLC3	35,916	1	0	5	88	37,431	1	0	5	91	38,161	1	0	5	93
				BLC4	37,095	0	0	5	91	38,660	0	0	5	94	39,413	0	0	5	96
				RCCO	36,240	2	0	5	89	37,769	2	0	5	92	38,505	2	0	5	94
				LCCO	36,240	2	0	5	89	37,769	2	0	5	92	38,505	2	0	5	94
				AFR	52,692	3	0	5	129	54,915	3	0	5	134	55,986	3	0	5	137
P8	462W	100	1400	T1S	57,662	3	0	5	125	60,094	4	0	5	130	61,266	4	0	5	132
				T2M	53,415	4	0	5	116	55,668	4	0	5	120	56,753	4	0	5	123
				T3M	54,034	4	0	5	117	56,314	4	0	5	122	57,412	4	0	5	124
				T3LG	48,267	3	0	5	104	50,304	3	0	5	109	51,284	4	0	5	111
				T4M	54,840	4	0	5	119	57,154	4	0	5	124	58,268	4	0	5	126
				T4LG	49,877	3	0	5	108	51,981	3	0	5	112	52,994	3	0	5	115
				TFTM	55,219	4	0	5	119	57,549	4	0	5	124	58,671	4	0	5	127
				T5M	56,423	5	0	5	122	58,803	5	0	5	127	59,949	5	0	5	130
				T5W	57,338	5	0	5	124	59,757	5	0	5	129	60,921	5	0	5	132
				T5LG	56,586	5	0	4	122	58,974	5	0	4	128	60,123	5	0	4	130
				BLC3	39,303	1	0	5	85	40,962	1	0	5	89	41,760	1	0	5	90
				BLC4	40,593	0	0	5	88	42,306	0	0	5	91	43,130	0	0	5	93
				RCCO	39,658	2	0	5	86	41,331	2	0	5	89	42,137	2	0	5	91
				LCCO	39,658	2	0	5	86	41,331	2	0	5	89	42,137	2	0	5	91
				AFR	57,662	3	0	5	125	60,094	4	0	5	130	61,266	4	0	5	132

Performance Data

Lumen Output

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

Rotated Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	152W	90	530	T1S	22,798	4	0	4	150	23,760	4	0	4	156	24,223	4	0	4	159
				T2M	21,119	5	0	5	139	22,010	5	0	5	145	22,439	5	0	5	148
				T3M	21,361	5	0	5	141	22,262	5	0	5	147	22,696	5	0	5	149
				T3LG	19,084	4	0	4	126	19,889	4	0	4	131	20,277	4	0	4	133
				T4M	21,679	5	0	5	143	22,594	5	0	5	149	23,034	5	0	5	152
				T4LG	19,717	4	0	4	130	20,549	4	0	4	135	20,950	4	0	4	138
				TFTM	21,833	5	0	5	144	22,754	5	0	5	150	23,197	5	0	5	153
				T5M	22,305	5	0	3	147	23,246	5	0	3	153	23,699	5	0	3	156
				T5W	22,667	5	0	3	149	23,623	5	0	4	155	24,084	5	0	4	158
				T5LG	22,370	4	0	2	147	23,314	4	0	2	153	23,768	4	0	2	156
				BLC3	15,539	4	0	4	102	16,194	4	0	4	107	16,510	4	0	4	109
				BLC4	16,048	4	0	4	106	16,725	4	0	4	110	17,051	4	0	4	112
				RCCO	15,679	1	0	3	103	16,340	1	0	3	108	16,659	1	0	3	110
				LCCO	15,679	1	0	3	103	16,340	1	0	3	108	16,659	1	0	3	110
				AFR	22,798	4	0	4	150	23,760	4	0	4	156	24,223	4	0	4	159
P11	203W	90	700	T1S	29,222	4	0	4	144	30,455	4	0	4	150	31,048	4	0	4	153
				T2M	27,070	5	0	5	134	28,212	5	0	5	139	28,762	5	0	5	142
				T3M	27,380	5	0	5	135	28,535	5	0	5	141	29,091	5	0	5	144
				T3LG	24,462	4	0	4	121	25,493	4	0	4	126	25,990	4	0	4	128
				T4M	27,788	5	0	5	137	28,960	5	0	5	143	29,525	5	0	5	146
				T4LG	25,273	4	0	4	125	26,339	4	0	4	130	26,853	4	0	4	133
				TFTM	27,985	5	0	5	138	29,165	5	0	5	144	29,734	5	0	5	147
				T5M	28,591	5	0	4	141	29,797	5	0	4	147	30,377	5	0	4	150
				T5W	29,054	5	0	4	143	30,280	5	0	4	149	30,870	5	0	4	152
				T5LG	28,673	4	0	2	142	29,883	4	0	2	148	30,465	5	0	2	150
				BLC3	19,917	4	0	4	98	20,757	4	0	4	102	21,162	4	0	4	104
				BLC4	20,570	5	0	5	102	21,437	5	0	5	106	21,855	5	0	5	108
				RCCO	20,097	1	0	4	99	20,945	1	0	4	103	21,353	1	0	4	105
				LCCO	20,097	1	0	4	99	20,945	1	0	4	103	21,353	1	0	4	105
				AFR	29,222	4	0	4	144	30,455	4	0	4	150	31,048	4	0	4	153
P12	248W	90	850	T1S	34,526	5	0	5	139	35,983	5	0	5	145	36,684	5	0	5	148
				T2M	31,984	5	0	5	129	33,333	5	0	5	135	33,983	5	0	5	137
				T3M	32,350	5	0	5	131	33,715	5	0	5	136	34,372	5	0	5	139
				T3LG	28,902	4	0	4	117	30,121	4	0	4	122	30,708	4	0	4	124
				T4M	32,832	5	0	5	133	34,217	5	0	5	138	34,884	5	0	5	141
				T4LG	29,861	4	0	4	121	31,120	4	0	4	126	31,727	5	0	4	128
				TFTM	33,064	5	0	5	134	34,459	5	0	5	139	35,131	5	0	5	142
				T5M	33,780	5	0	4	136	35,205	5	0	4	142	35,891	5	0	4	145
				T5W	34,327	5	0	4	139	35,776	5	0	4	145	36,473	5	0	4	147
				T5LG	33,878	5	0	3	137	35,307	5	0	3	143	35,995	5	0	3	145
				BLC3	23,532	5	0	5	95	24,525	5	0	5	99	25,003	5	0	5	101
				BLC4	24,303	5	0	5	98	25,328	5	0	5	102	25,822	5	0	5	104
				RCCO	23,745	1	0	4	96	24,747	1	0	4	100	25,229	1	0	4	102
				LCCO	23,745	1	0	4	96	24,747	1	0	4	100	25,229	1	0	4	102
				AFR	34,526	5	0	5	139	35,983	5	0	5	145	36,684	5	0	5	148

Performance Data

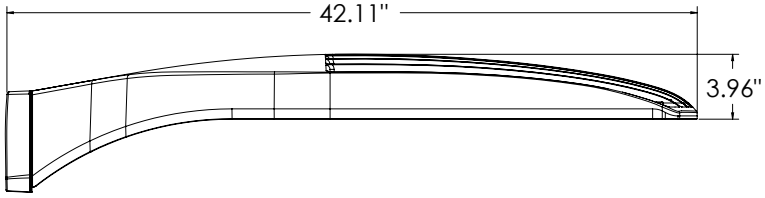
Lumen Output

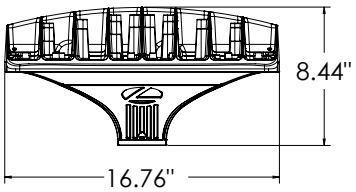
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics

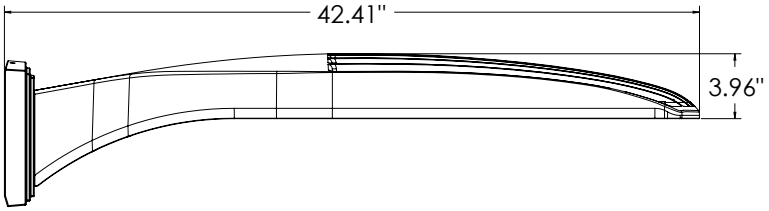
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P13	354W	90	1200	T1S	45,748	5	0	5	129	47,678	5	0	5	135	48,608	5	0	5	137
				T2M	42,380	5	0	5	120	44,168	5	0	5	125	45,029	5	0	5	127
				T3M	42,865	5	0	5	121	44,673	5	0	5	126	45,544	5	0	5	129
				T3LG	38,296	5	0	5	108	39,911	5	0	5	113	40,689	5	0	5	115
				T4M	43,503	5	0	5	123	45,339	5	0	5	128	46,222	5	0	5	131
				T4LG	39,566	5	0	5	112	41,235	5	0	5	117	42,039	5	0	5	119
				TFTM	43,811	5	0	5	124	45,659	5	0	5	129	46,549	5	0	5	132
				T5M	44,760	5	0	5	126	46,648	5	0	5	132	47,557	5	0	5	134
				T5W	45,485	5	0	5	129	47,404	5	0	5	134	48,328	5	0	5	137
				T5LG	44,889	5	0	3	127	46,783	5	0	3	132	47,695	5	0	3	135
				BLC3	31,181	5	0	5	88	32,496	5	0	5	92	33,130	5	0	5	94
				BLC4	32,202	5	0	5	91	33,561	5	0	5	95	34,215	5	0	5	97
				RCCO	31,463	2	0	5	89	32,790	2	0	5	93	33,429	2	0	5	94
				LCCO	31,463	2	0	5	89	32,790	2	0	5	93	33,429	2	0	5	94
				AFR	45,748	5	0	5	129	47,678	5	0	5	135	48,608	5	0	5	137
P14	415W	90	1400	T1S	51,272	5	0	5	123	53,435	5	0	5	129	54,476	5	0	5	131
				T2M	47,497	5	0	5	114	49,500	5	0	5	119	50,465	5	0	5	121
				T3M	48,040	5	0	5	116	50,067	5	0	5	121	51,043	5	0	5	123
				T3LG	42,919	5	0	5	103	44,730	5	0	5	108	45,602	5	0	5	110
				T4M	48,756	5	0	5	117	50,813	5	0	5	122	51,803	5	0	5	125
				T4LG	44,343	5	0	5	107	46,214	5	0	5	111	47,115	5	0	5	113
				TFTM	49,101	5	0	5	118	51,172	5	0	5	123	52,169	5	0	5	126
				T5M	50,164	5	0	5	121	52,280	5	0	5	126	53,299	5	0	5	128
				T5W	50,977	5	0	5	123	53,127	5	0	5	128	54,163	5	0	5	130
				T5LG	50,309	5	0	4	121	52,432	5	0	4	126	53,453	5	0	4	129
				BLC3	34,945	5	0	5	84	36,420	5	0	5	88	37,130	5	0	5	89
				BLC4	36,090	5	0	5	87	37,613	5	0	5	91	38,346	5	0	5	92
				RCCO	35,261	2	0	5	85	36,749	2	0	5	88	37,465	2	0	5	90
				LCCO	35,261	2	0	5	85	36,749	2	0	5	88	37,465	2	0	5	90
				AFR	51,272	5	0	5	123	53,435	5	0	5	129	54,476	5	0	5	131

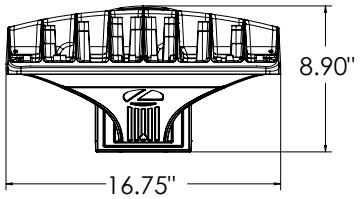
Dimensions



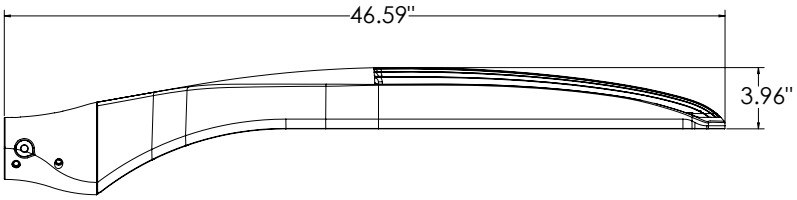


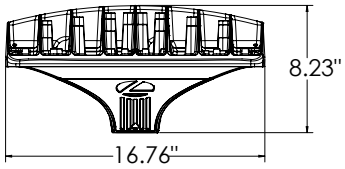
DSX2 with RPA, RPA5, SPA5, SPA8N mount
Weight: 48 lbs





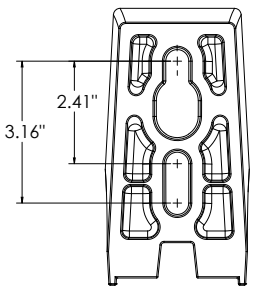
DSX2 with WBA mount
Weight: 50 lbs



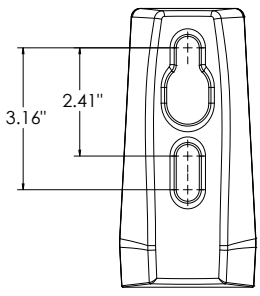


DSX2 with MA mount
Weight: 50 lbs

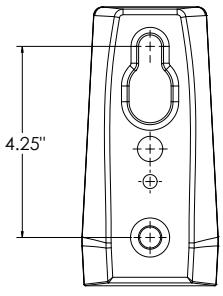
SPA (STANDARD ARM)



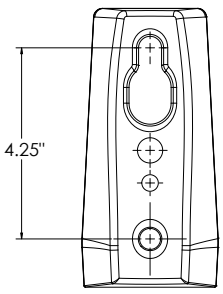
RPA



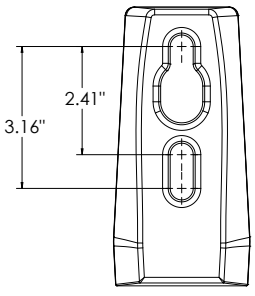
SPA5



RPA5



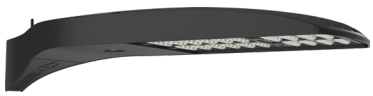
SPA8N

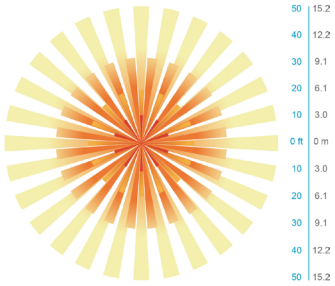


nLight Control - Sensor Coverage and Settings

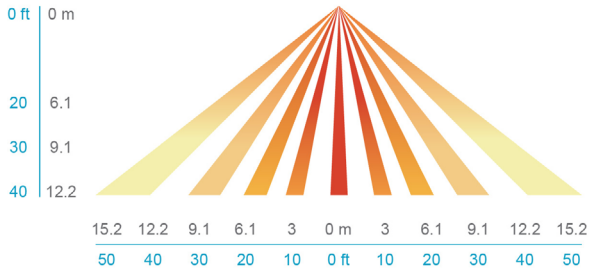
nLight Sensor Coverage Pattern

NLTAIR2 PIRHN





Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. Low EPA (1.06 ft^2) for optimized pole wind loading.

FINISH

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

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L82/100,000 hrs at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX2 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

WDGE2 LED

Architectural Wall Sconce
Precision Refractive Optic

Catalog Number

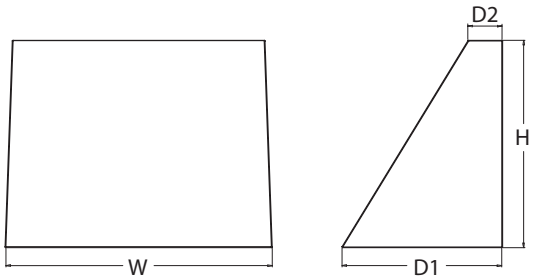
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: (without options) 13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P0[1]	27K 2700K	70CRI[4]	T1S Type I Short	MVOLT	**Shipped included**
	P1[2]	30K 3000K	80CRI	T2M Type II Medium	347[5]	SRM Surface mounting bracket
	P2[2]	40K 4000K	LW[3] Limited Wavelength	T3M Type III Medium	480[5]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[6]
	P3[2]	50K 5000K		T4M Type IV Medium		**Shipped separately**
	P4[2]	AMB[3] Amber		TFTM Forward Throw Medium		AWS 3/8inch Architectural wall spacer
						PBBW S urface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

Options

E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)
PE[7]	Photocell, Button Type
DMG[8]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.
BAA	Buy America(n) Act Compliant

Standalone Sensors/Controls

PIR	Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching
PIR1FC3V	Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V	Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls

NLTAIR2 PIR	nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.
NLTAIR2 PIRH	nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.

See page 4 for out of box functionality

Finish

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES

1 P0 option not available with sensors/controls.
2 P1-P4 not available with AMB and LW.
3 AMB and LW always go together.
4 70CRI only available with T3M and T4M.
5 347V and 480V not available with E10WH or E20WC.
6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
7 PE not available in 480V or with sensors/controls.
8 DMG option not available with sensors/controls.

Performance Data

Lumen Output

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

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode (4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

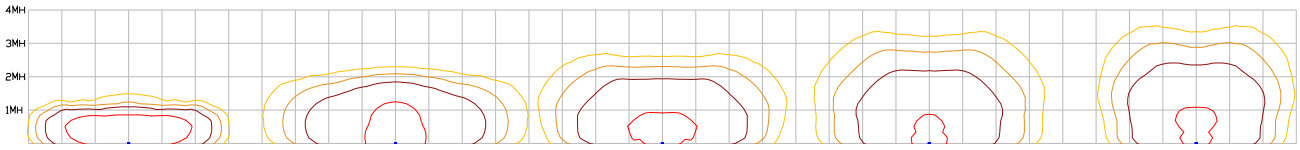
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND

0.25 fc
0.5 fc
1.0 fc
3.0 fc

MH = 10ft
Grid = 10ft x 10ft



"P3 40K 80CRI T1S" "P3 40K 80CRI T2M" "P3 40K 80CRI T3M" "P3 40K 80CRI T4M" "P3 40K 80CRI TFTM"

Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

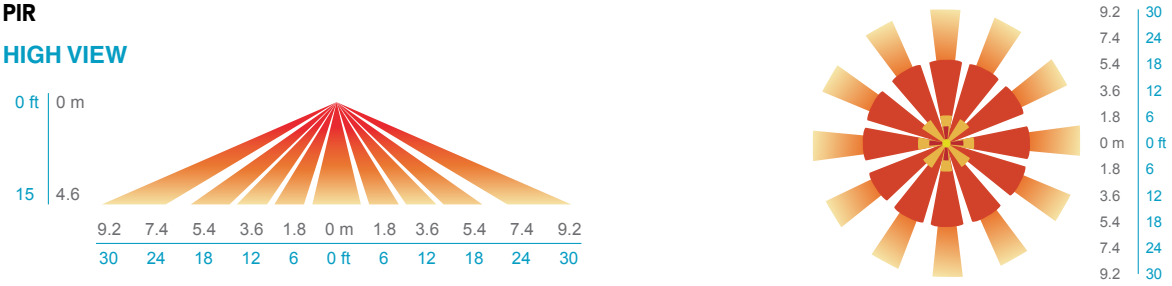
Motion/Ambient Sensor (PIR_, PIRH_)

Motion/Ambeint sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

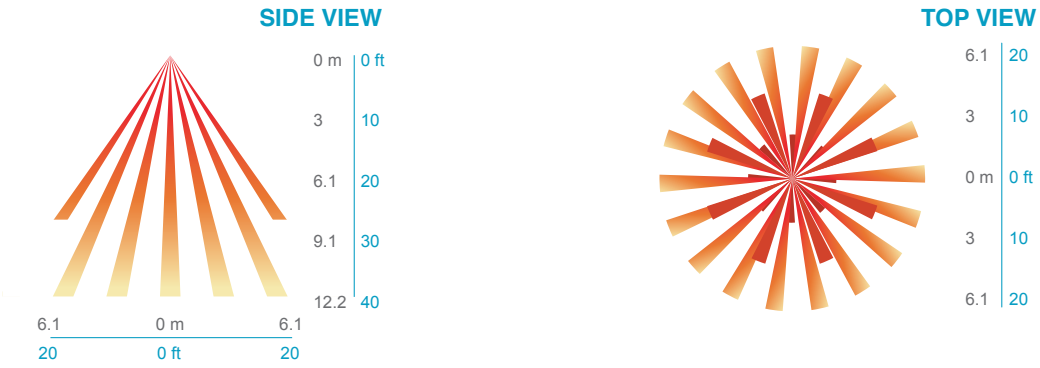
Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

PIR



PIRH



Option	Dim Level	High Level (when triggered	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

Motion/Ambient Sensor

D = 7"

H = 9" (Standalone controls)
11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)

W = 11.5"

PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"

AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

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

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

10.48.050 ACCESS TO PARKING FACILTIES

A. Access driveways shall be provided for access to and egress from all parking and loading facilities designed as provided in the Santaquin City construction standards. Each parking and loading space shall be easily accessible to the intended user.

B. Forward travel in an automobile to and from parking facilities from a dedicated street or alley shall be required for all uses, except for parking which has been provided in connection with single- and multi-family dwellings. The parking area shall be adequate to facilitate the turning of vehicles to permit forward travel upon entering a street.

C. Access to all off street parking facilities shall be designed in a manner which will not interfere with the movement of vehicular and pedestrian traffic.

D. All commercial developments shall provide access to and between adjacent nonresidential properties and their associated parking areas. Such access shall be designed based on the adjacent or anticipated use of the adjoining property. (Ord. 07-01-2016, 7-6-2016, eff. 7-7-2016)

E. Any development with a single point of access (ingress and egress) shall have a maximum ADT (average daily trips) of two hundred fifty (250) trips. Any development that exceeds an ADT of two hundred fifty (250) shall provide a secondary access for ingress to and egress from the site. (Ord. 04-02-18, 4-18-2018, eff. 4-19-2018)

HISTORY
Amended by Ord. 04-02-2018 on 4/18/2018

DRC Members in Attendance: City Manager Norm Beagley, Assistant City Manager Jason Bond, City Engineer Jon Lundell, Police Officer Kayson Shepherd, Public Works Director Jason Callaway, Building Official Randy Spadafora.

Fire Chief Lind came into the meeting at 10:05 a.m.

Others in Attendance: City Recorder Amalie Ottley, Senior Planner Ryan Harris, Engineer Megan Wilson, City Council Member Art Adcock, Kirk and Riley Greenhalgh, Kameron Spencer, Paul Watson.

Engineer Lundell called the meeting to order at 10:02 a.m.

1. BDS Commercial /Industrial Site Plan
A site plan review of a proposed industrial site located at approximately 390 N. Summit Ridge Parkway.

Due to ongoing discussions about items on the BDS Commercial site that need further attention, Assistant Manager Bond made a motion to table the current plan review on the agenda. Manager Beagley seconded the motion.

Police Officer Kayson Shepherd	Yes
Public Works Director Jason Callaway	Yes
Fire Chief Ryan Lind	Yes
City Manager Norm Beagley	Yes
Assistant City Manager Jason Bond	Yes
Building Official Randy Spadafora	Yes
City Engineer Jon Lundell	Yes

The motion passed unanimously.

2. Greenhalgh 6-lot Subdivision Concept Plan
A concept plan review of a 6-lot subdivision located at approximately 100 N 100 W.

The applicants, Kirk and Riley Greenhalgh attended the meeting.

Building Official Spadafora had no comments.

Public Works Director Callaway had no comments.

Police Officer Shepherd had no comments.

Assistant Manager Bond pointed out that the frontage on the lots is less than that required by City Code. He suggested that the radius of the cul-de-sac be expanded to meet the frontage requirements as well as allow for more room for snowplow and emergency vehicle access. Building Official Spadafora inquired what the radius of the cul-de-sac is currently proposed to be in the plans. Engineer Lundell indicated that the radius of the cul-de-sac is 60 feet. Assistant Manager Bond also asked that an area be dedicated in the cul-de-sac for snow storage during the winter. He added that lots 1 and 2 have double frontage, which is generally discouraged, but makes sense in this specific subdivision. Finally, he pointed out that

the proposed distance to the cul-de-sac from 100 West is concerning as it is too close to the intersection and will need to be moved at least 15 feet to the west. Members of the DRC and the applicant discussed the sizing of the lots in order to make setbacks work. They also discussed sizing for the concrete pad for snow storage.

Engineer Lundell discussed a possible deferral agreement for the perimeter of the subdivision that requires consideration by the City Council. Engineer Lundell discussed redlines and notes on the plans, including a checklist of permits and plans that need to be submitted to the City. Fire Chief Lind addressed his concerns regarding the current placement of fire hydrants. He indicated that he would confirm if placement of another hydrant is necessary after looking at measurements on preliminary plans.

City Council Member Art Adcock inquired if a deferral agreement would be required for both 100 North and 100 West. Engineer Lundell confirmed that a deferral agreement could be considered for both of the streets adjacent to the site. Councilor Adcock also inquired who would be responsible for incurring the cost of the cul-de-sac and improvements. Engineer Lundell and Manager Beagley confirmed that the developer (Kirk Greenhalgh) would be responsible for the street and improvements in the cul-de-sac.

3. Stratton Acres Subdivision Phase 2 Concept Plan
A concept plan review of Phase 2 of the Stratton Acres Subdivision located at approximately 840 N 200 E.

The applicants, Kameron Spencer and Paul Watson, attended the meeting.

Assistant Manager Bond discussed with the applicants an issue with the naming of the proposed subdivision. He asked that because it's a new, separate subdivision from the previous "Stratton Acres" that it be named differently. The applicant suggested that they change the name to something like "Stratton Acres East" rather than "Phase 2".

Building Official Spadafora had no comments.

Fire Chief Lind had no comments.

Public Works Director Callaway inquired if the applicant plans to install the sewer line on Royal Land Drive. The applicant and Engineer Lundell confirmed that the plans will include sewer lines running north on Royal Land Drive to Ginger Gold Rd. Manager Beagley clarified that as the sewer does not currently exist, the applicant will need to notate on these current plans that the installation of the sewer and water lines will be built during the construction of first Stratton Acres Subdivision. Director Callaway discussed an offsite well that leads to the site. He indicated the City has had concerns with it being turned on without the owner's approval. He encouraged the applicant to confirm where the well lines are and make sure those lines are capped prior to construction.

Officer Shepherd had no comments.

The applicant and members of the DRC discussed where fire hydrants and stop signs will be placed in the development. Engineer Lundell discussed with the applicant where property boundaries are in comparison to Nebo School District property. The applicant indicated that they have an easement and

written agreement for the dedication of the road with Nebo School District in place. Manager Beagley informed the applicant that the plat will need to be signed by the school district confirming their agreement. Manager Beagley added that as sewer and water lines will be installed, extensive roadcuts will need to take place and a full overlay of the road on 200 East will be required. A full review of the site will be completed when the preliminary plans are submitted to the City. Members of the DRC discussed which roads in the development will be free flow versus having stop signs placed. Officer Shepherd recommended that 200 East remain free flow at this time. Engineer Lundell pointed out that a plat note needs to be made specifying that the area is agriculturally protected.

City Councilor Adcock inquired about the numbering of the lots on the plans, pointing out that there are 28 lots plus one additional parcel for stormwater retention that will be dedicated to the City.

4. Meeting Minutes Approval
Manager Beagley made a motion to approve the DRC Meeting Minutes from August 8, 2023. Fire Chief Lind seconded the motion.

Police Officer Kayson Shepherd	Yes
Public Works Director Jason Callaway	Yes
Fire Chief Ryan Lind	Yes
City Manager Norm Beagley	Yes
Assistant City Manager Jason Bond	Yes
Building Official Randy Spadafora	Yes
City Engineer Jon Lundell	Yes

The motion passed unanimously.

Adjournment
The meeting was adjourned at 10:38 a.m.

_____ _____

Jon Lundell, City Engineer Amalie R. Ottley, City Recorder