

BDS COMMERCIAL SITE PLAN

390 N SUMMIT RIDGE PARKWAY

SANTAQUIN, UTAH

FINAL PLAN SET

SEPTEMBER 2023

-SHEET INDEX-

SHEET

SHEET NAME

1	COVER
2	OVERALL BOUNDARY LAYOUT
3	OVERALL UTILITY LAYOUT
4	DRAINAGE PLAN
5	EXISTING TOPOGRAPHY
6	TBC PLAN
7	ACCESS PLAN – AUTOTURN
DT-01	DETAIL SHEET
DT-02	DETAIL SHEET

GENERAL NOTES:

- 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.
- 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 57°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:

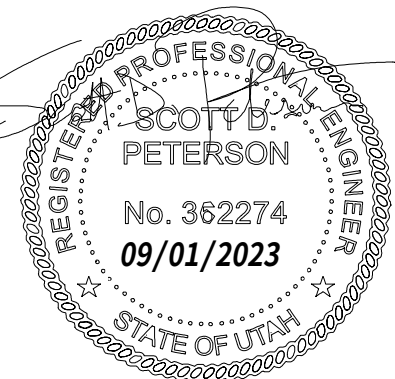
THE SIZE, ELEVATION, & LOCATIONS OF EXISTING IMPROVEMENTS AND UTILITIES SHOWN HEREON ARE ASSUMED AND APPROXIMATELY SHOWN BASED UPON THE FIELD DATA FROM THE SURVEY. ALL SIZES, LOCATIONS & ELEVATIONS ARE TO BE VERIFIED. IF THERE ARE DIFFERENCES OR DISCREPANCIES, ATLAS ENGINEERING, LLC NEEDS TO BE NOTIFIED 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



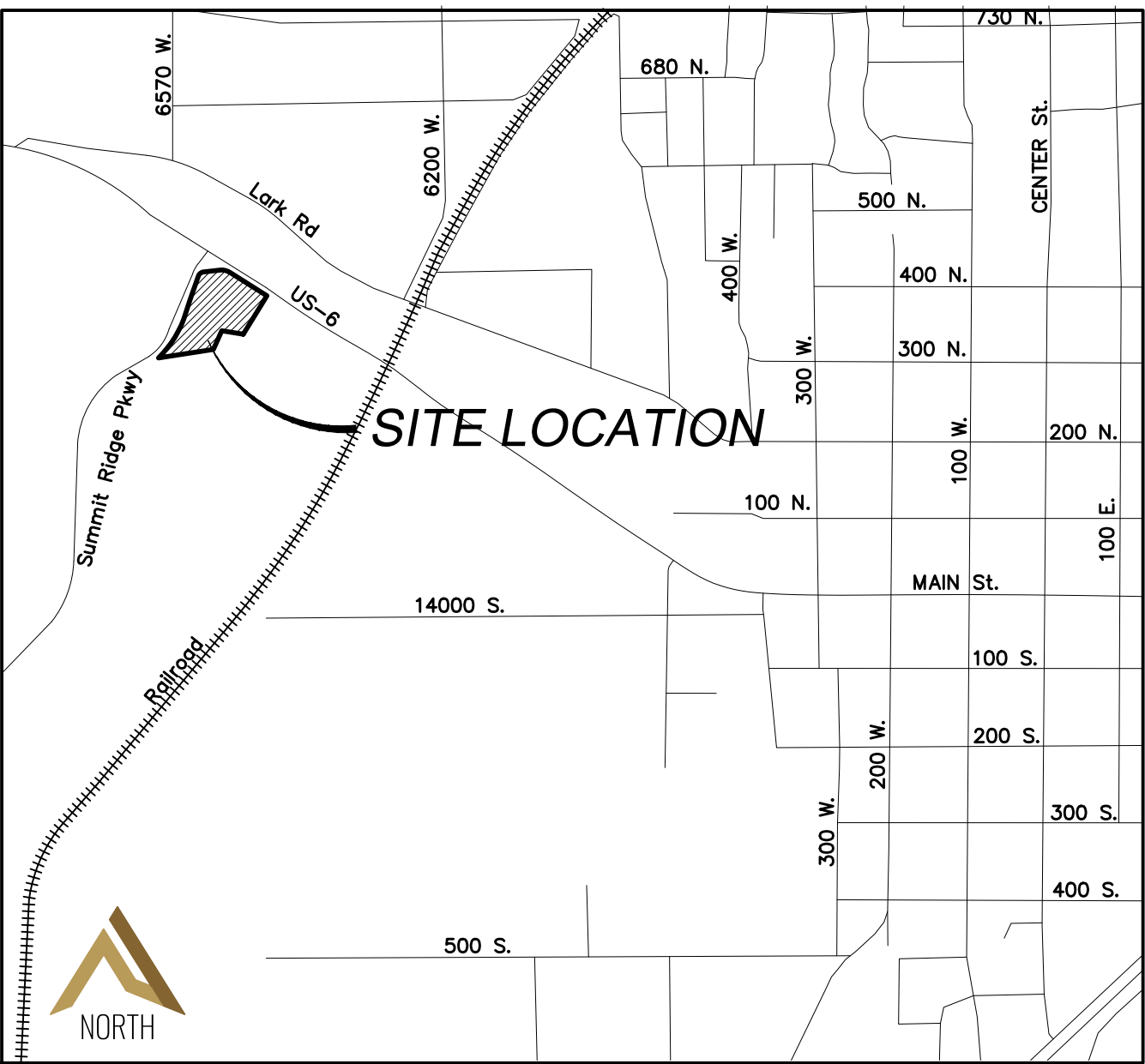
LEGEND

(APPLIES TO ALL SHEETS)

	EXISTING POWER POLE
	PROPOSED STREET LIGHT
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	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)

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.



VICINITY MAP

-NTS-

BDS COMMERCIAL SITE PLAN



ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY

PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

SOUTH 1/4 CORNER
OF SECTION 4, T9S,
R1E, SLB&M

N89°24'50"W 1639.74'
NORTH 1/4 CORNER
OF SECTION 3, T10S,
R1E, SLB&M



N89°24'50"W 1639.74'

SANTAQUIN CITY
PARCEL 32.009.0090

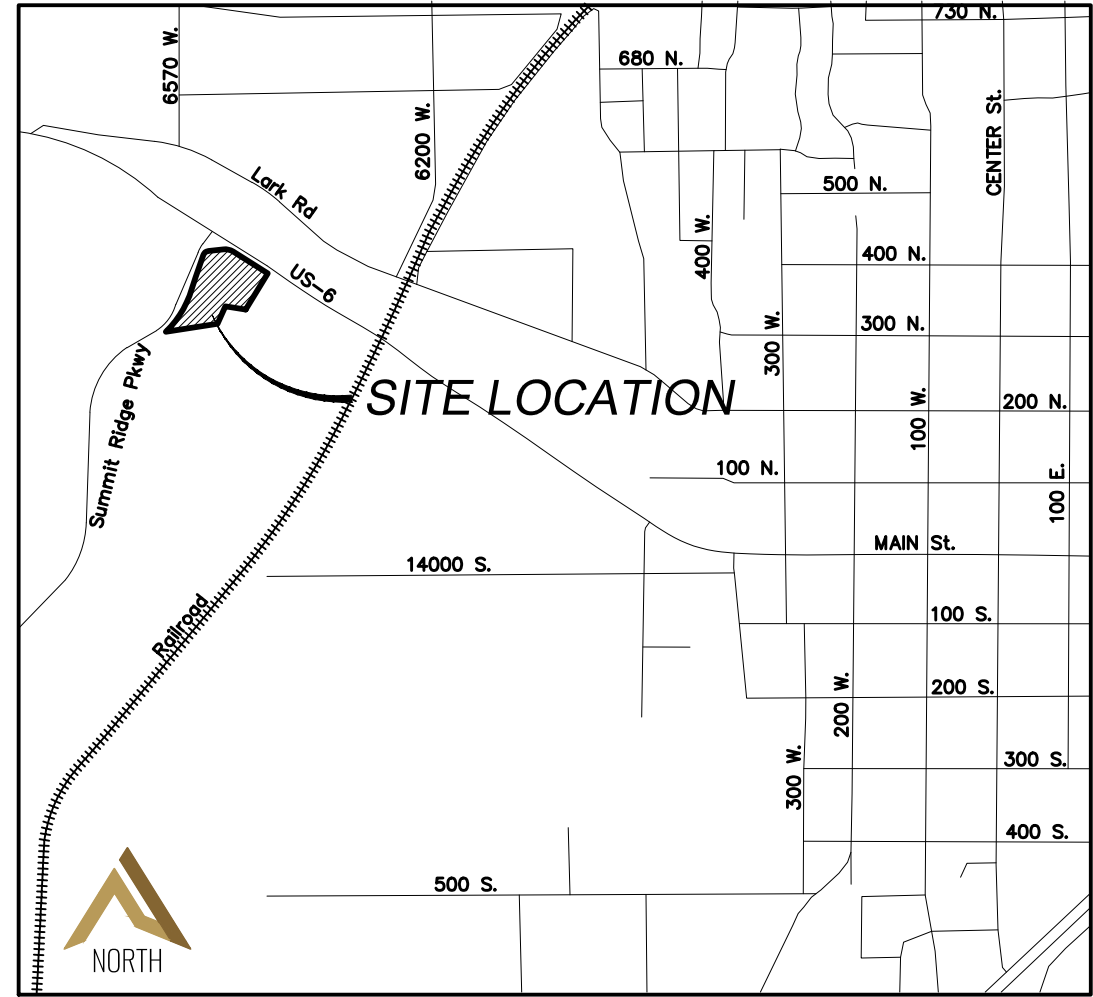
SANTAQUIN CITY
PARCEL 32.009.0090

SANTAQUIN CITY
PARCEL 32.009.0090

SANTAQUIN CITY
PARCEL 32.009.0086

SANTAQUIN CITY
PARCEL 32.009.0086

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD DIST.	CHORD BRG.
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
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- EXISTING PRESSURIZED IRRIGATION
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)



0 50 100 150
SCALE 1" = 50'
SCALE 1" = 100'

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 S74°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 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.

SHEET NO.

2

OVERALL BOUNDARY

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
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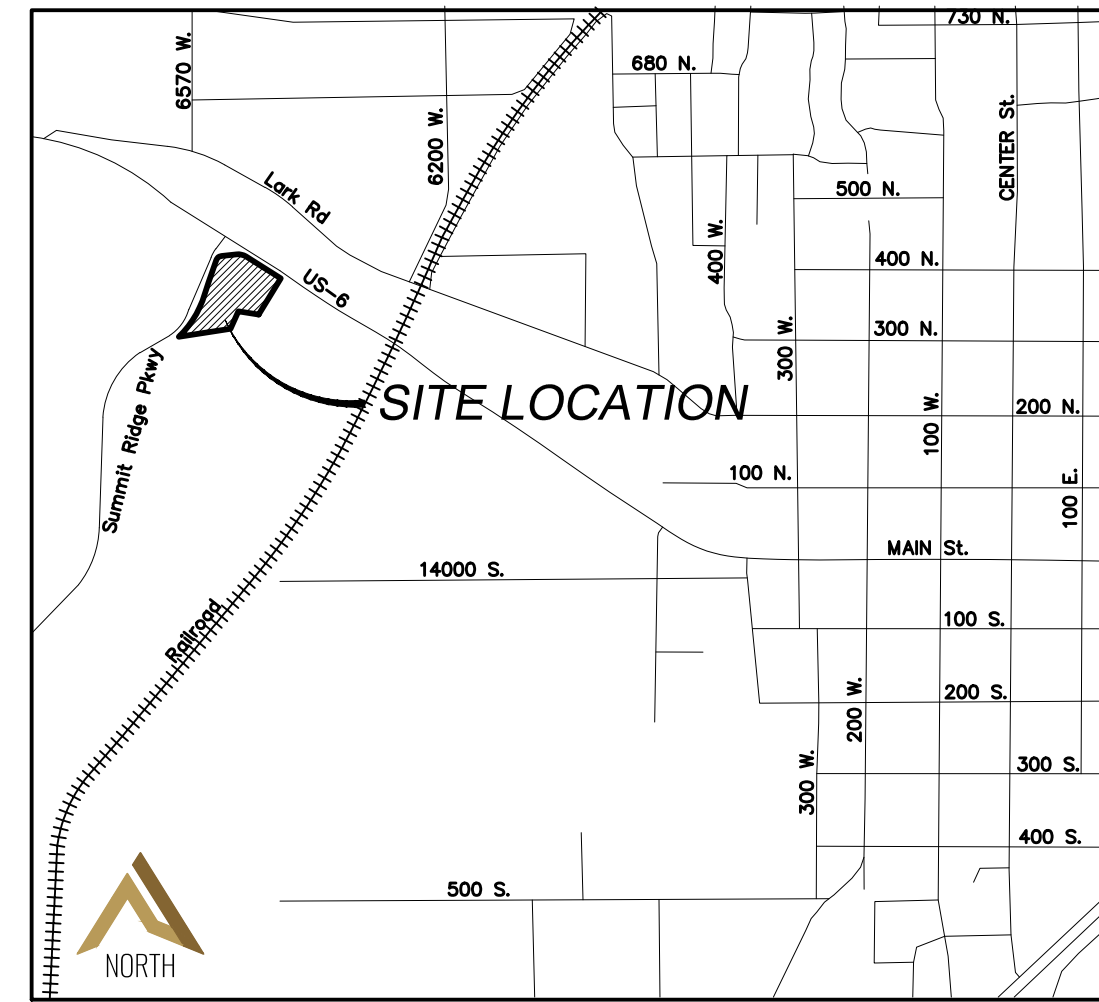
PHONE 801-655-6565
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660



Z:\2023\23-035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CADD\PRELIMINARY\02-OVERALL SITE PLAN.DWG

- 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
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- EXISTING WATER
- EXISTING PRESSURIZED IRRIGATION
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)



SCALE 1" = 40'
SCALE 1" = 80'

SHEET NO.

3

OVERALL UTILITY
LAYOUT

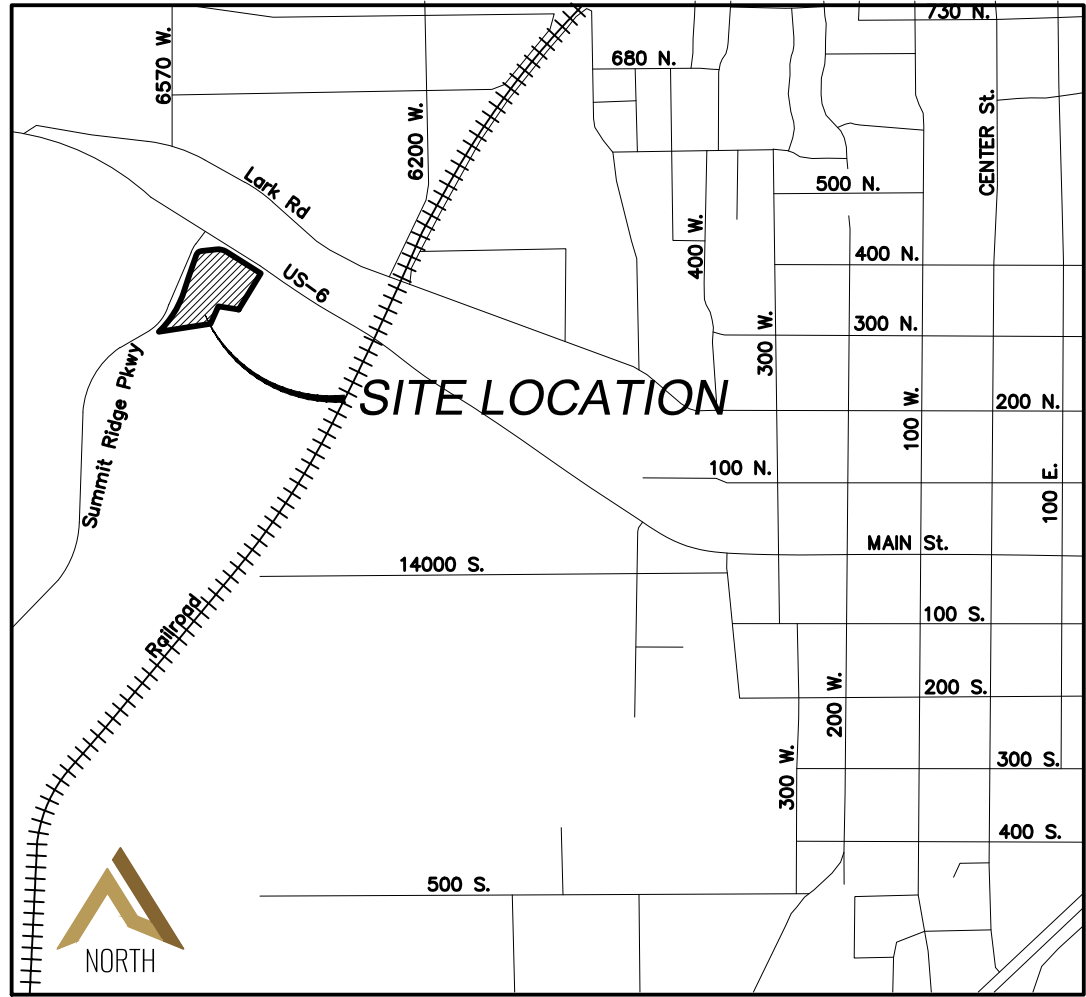
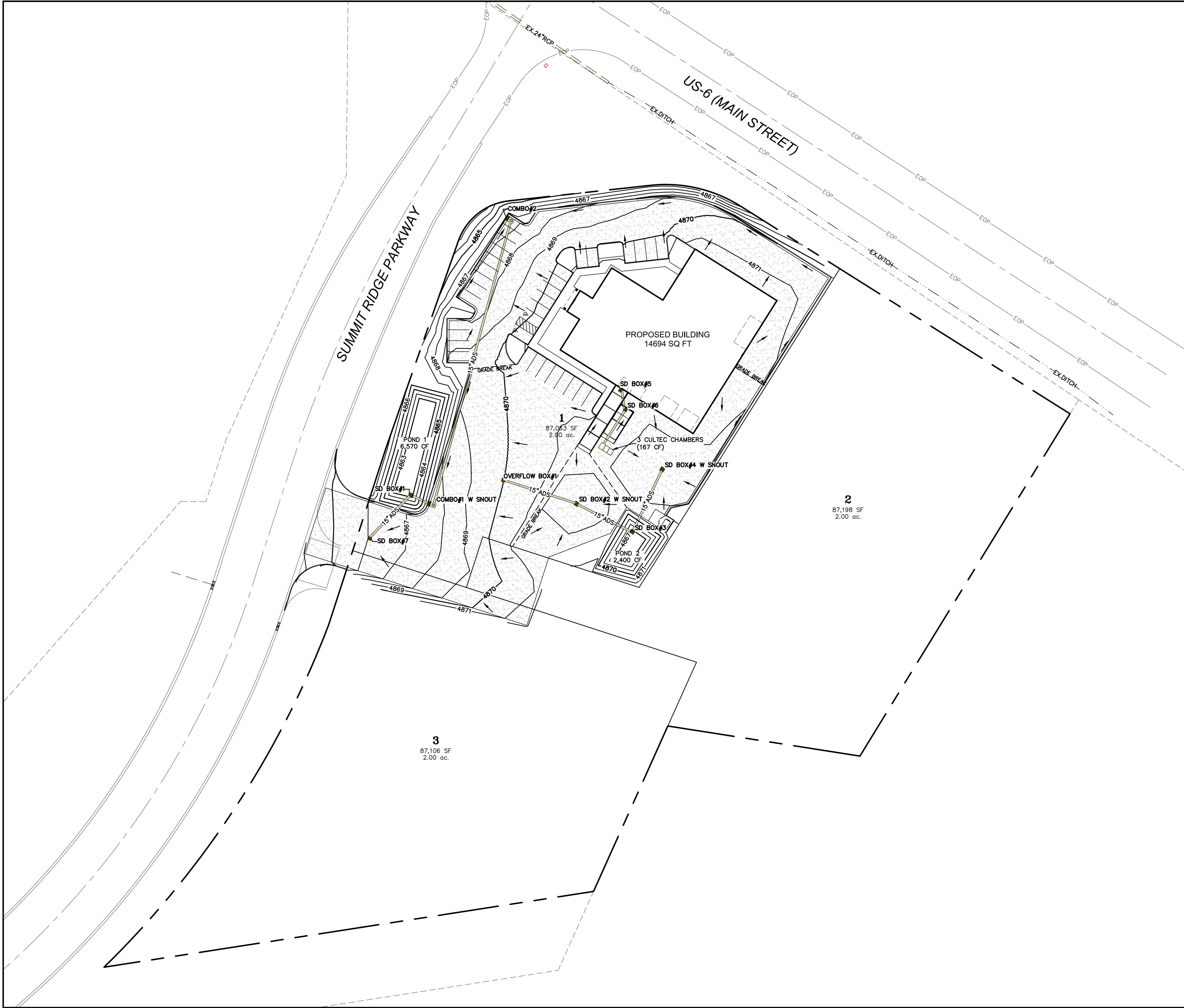
SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

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PHONE 801-655-1665
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2023\23-035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CADD\PRELIMINARY\03-UTILITY PLANDWG



VICINITY MAP
-NTS-

LEGEND

- EXISTING POWER POLE
- PROPOSED STREET LIGHT
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(24"x36")
SCALE 1" = 40'
(11"x17")
SCALE 1" = 80'

SHEET NO.

4

DRAINAGE PLAN

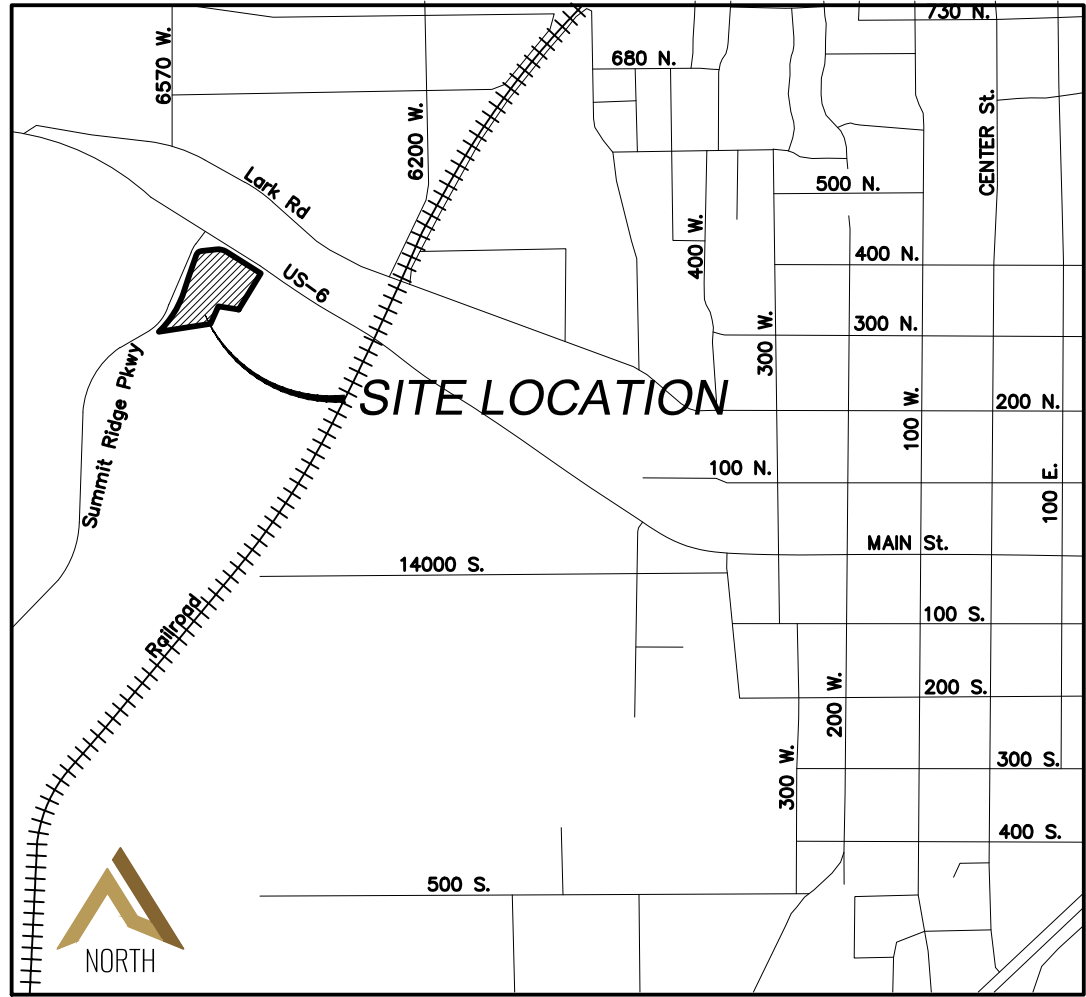
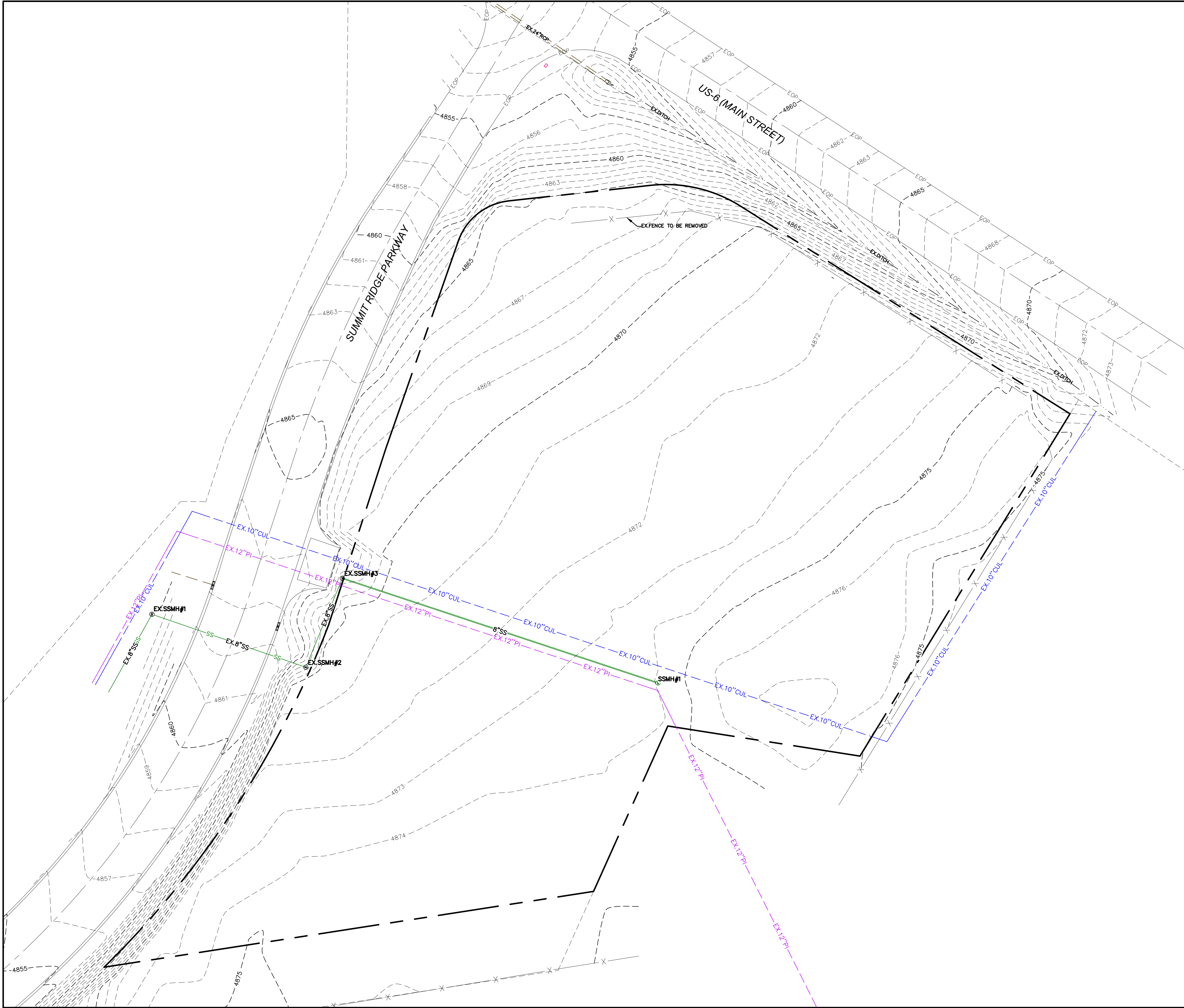
SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

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PHONE 801-655-1665
946 E. 800 N. SUITE A
SPANISH FORK, UT 84601

Z:\2023\23-035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CADD\PRELIMINARY\04-DRAINAGE PLANDWG



VICINITY MAP
-NTS-

LEGEND

- EXISTING POWER POLE
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- PROPOSED STORM DRAIN
- PROPOSED CULINARY WATER
- PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)



0 10 20 40 80 120

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

SHEET NO.

5

EXISTING TOPOGRAPHY

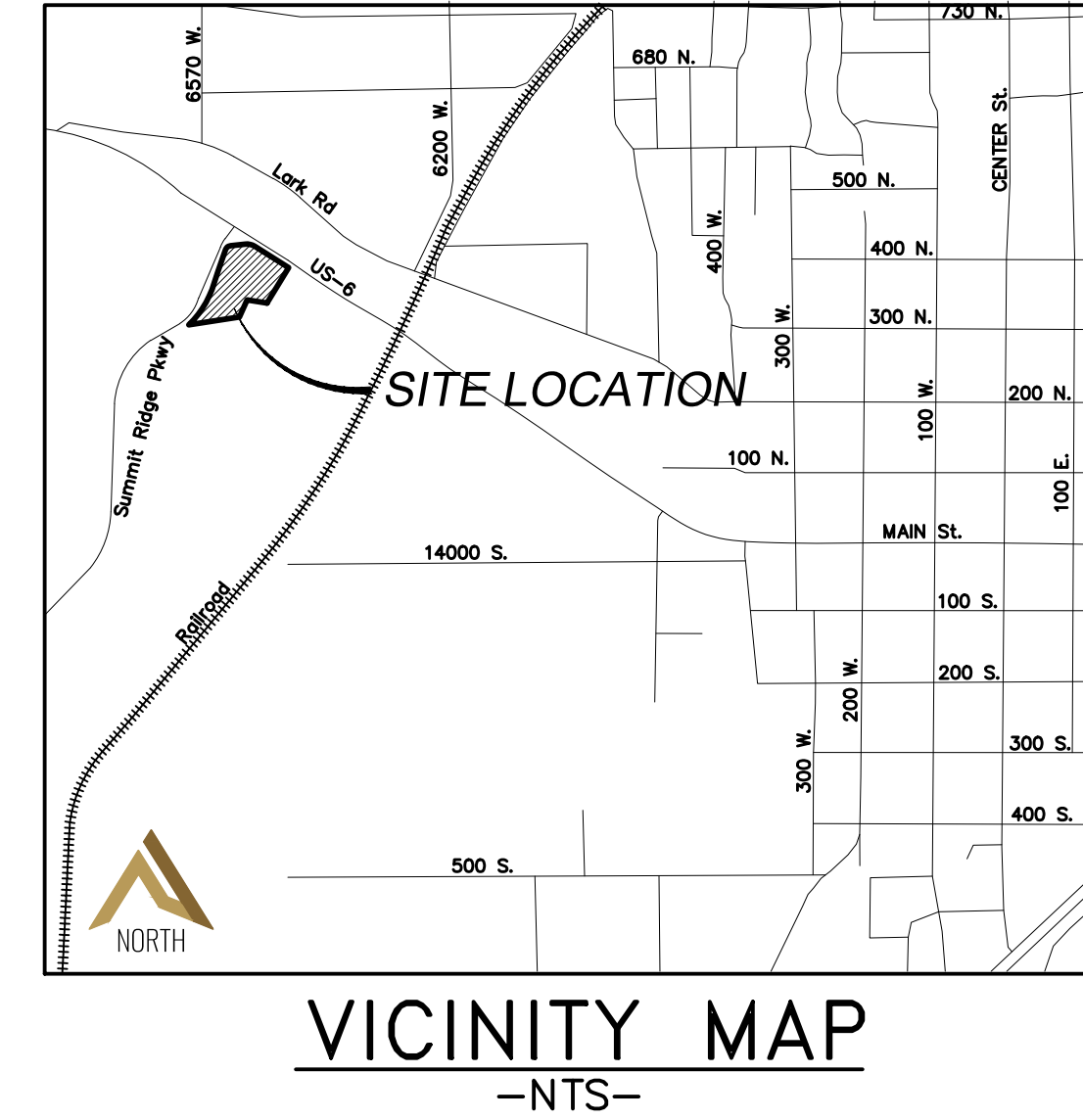
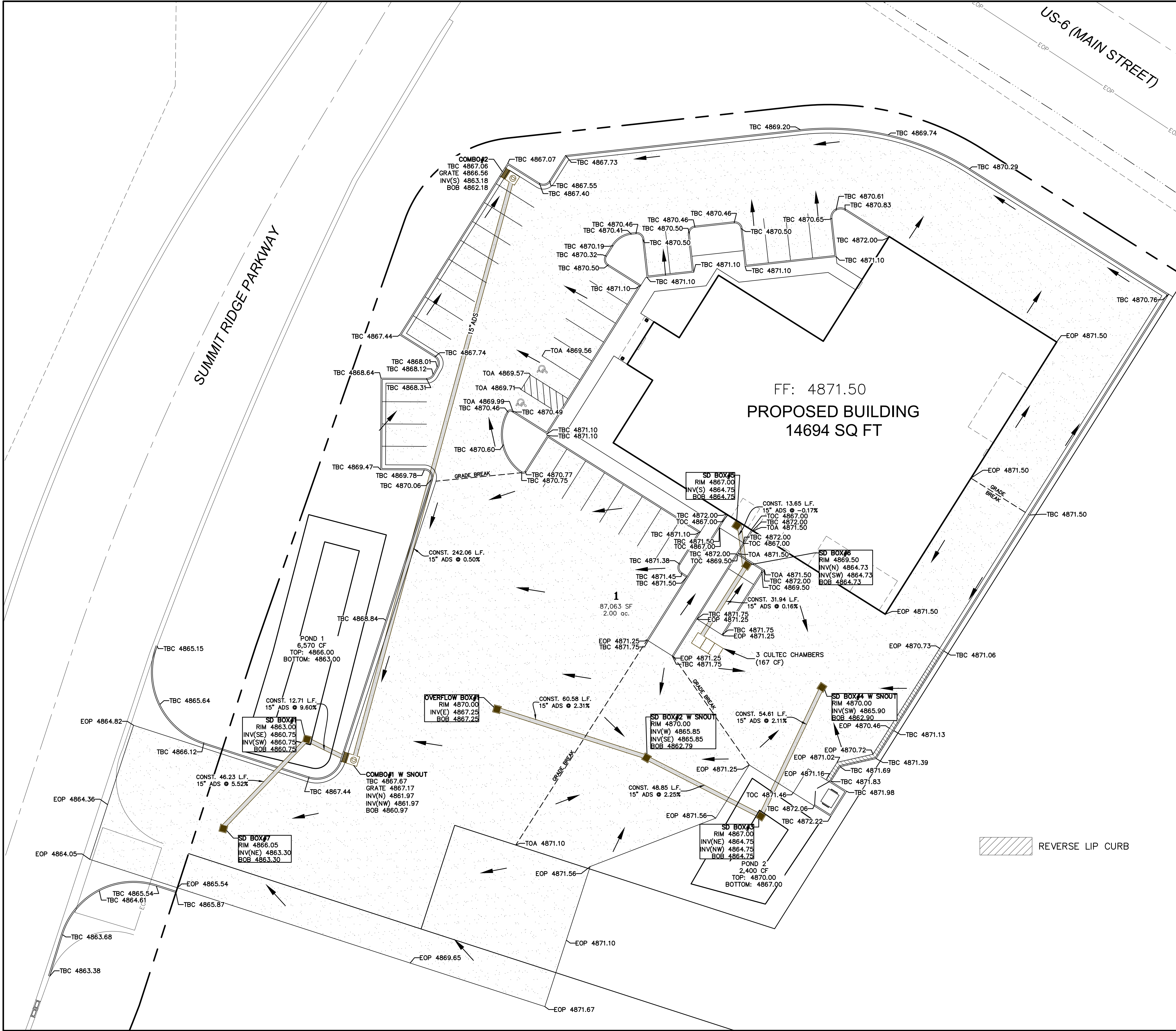
SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

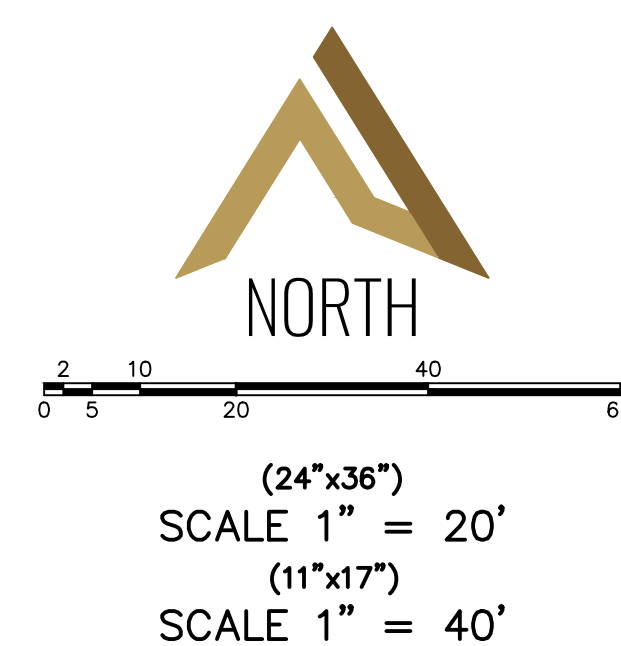
ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY

PHONE 801-655-6565
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2023\23-035 BDS COMMERCIAL WAREHOUSE SITE PLAN\CADD\PRELIMINARY\05-EXISTING TOPO.DWG



- LEGEND**
- EXISTING POWER POLE
 - PROPOSED STREET LIGHT
 - EXISTING FIRE HYDRANT
 - EXISTING WATER VALVE
 - EXISTING STREET LIGHT
 - EXISTING SIGN
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 - PROPOSED SEWER
 - PROPOSED STORM DRAIN
 - PROPOSED CULINARY WATER
 - PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)



SHEET NO.
6

REVISIONS		BY	DATE
12			
11			
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1			
NO.			

TBC PLAN

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY

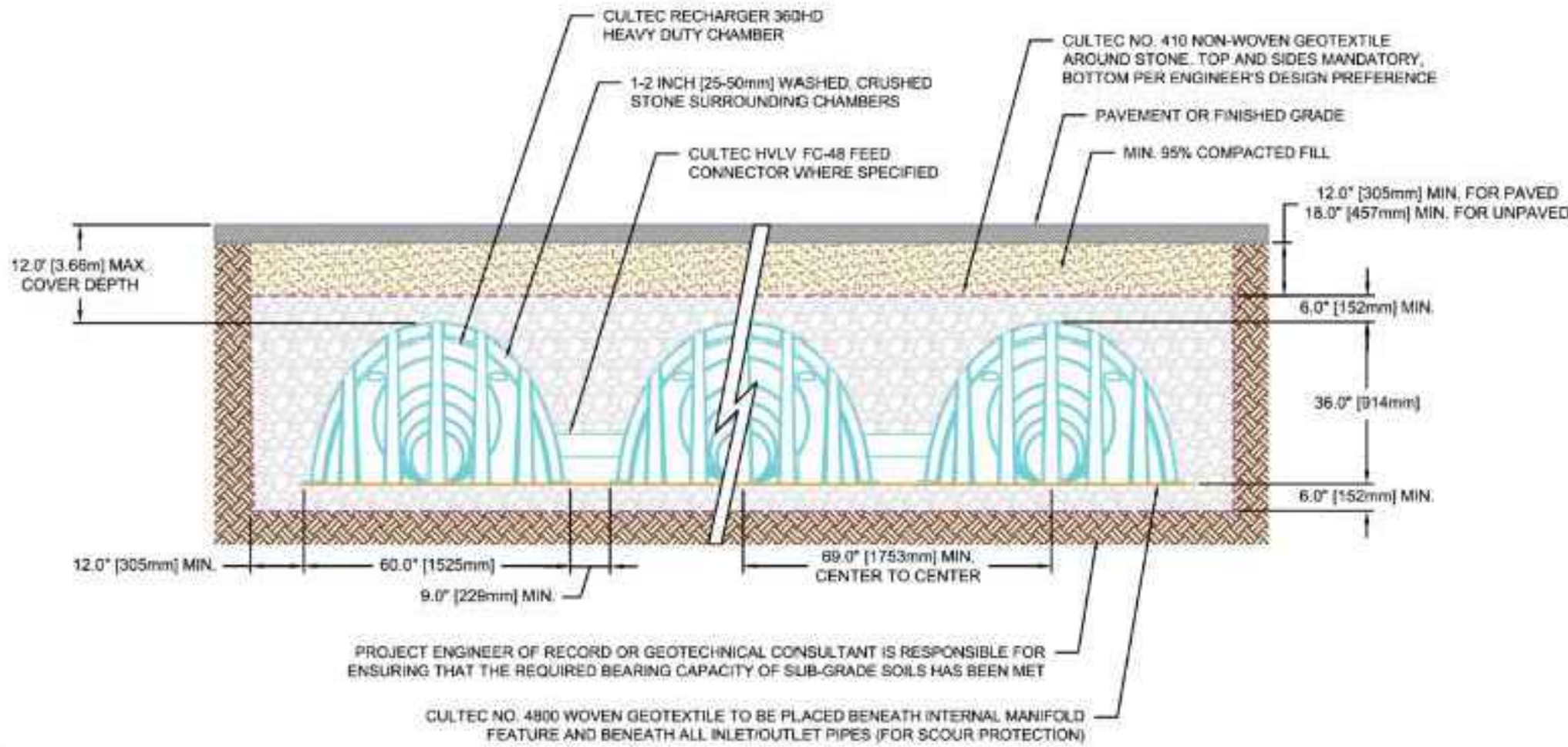
PHONE: 801-555-1555
946 E. 800 N. SUITE A
SPRINGDALE, UT 84660

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INSTALLATION INSTRUCTIONS FOR STORMWATER

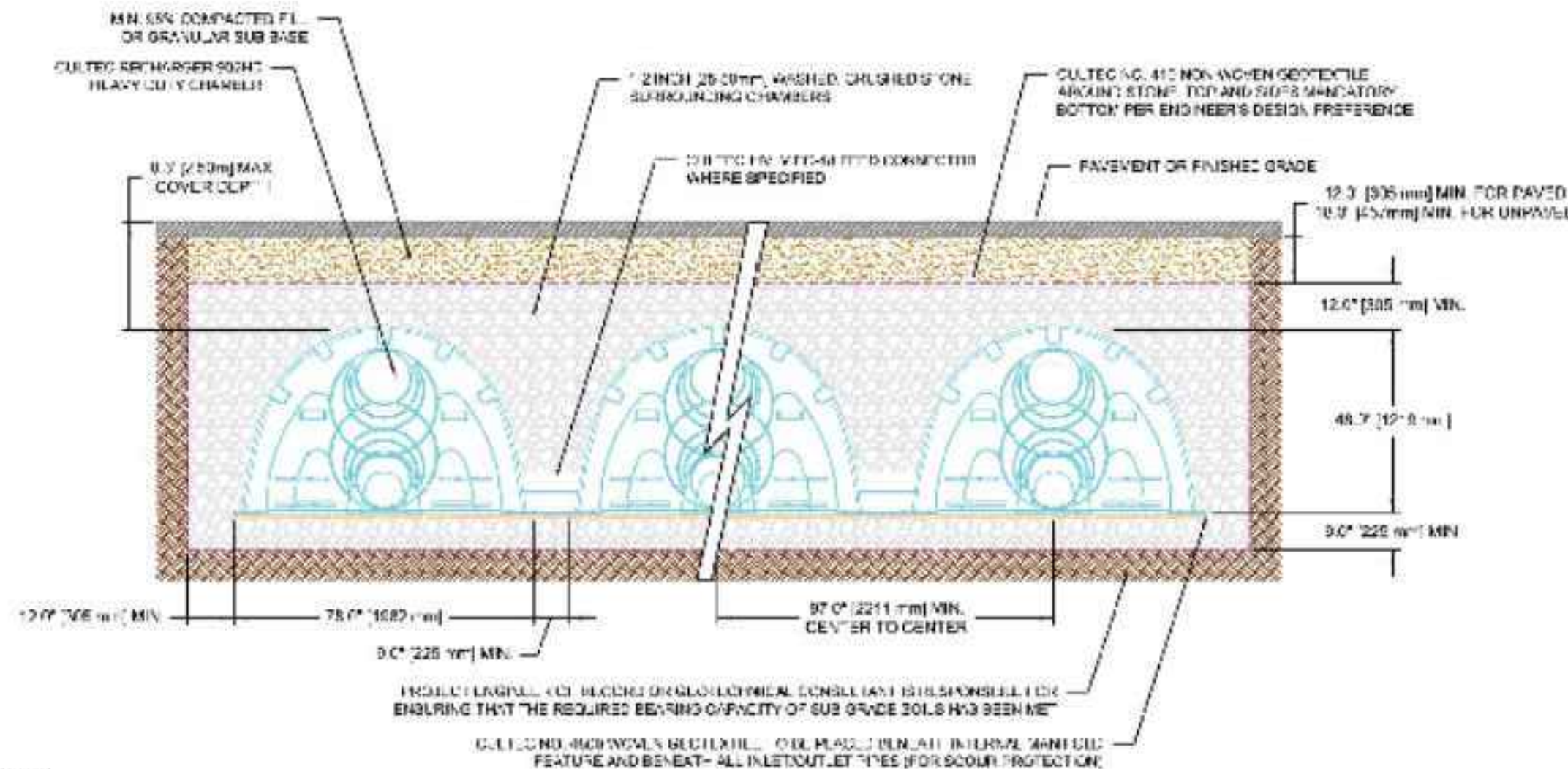


Recharger 360HD Typical Cross Section for Traffic Applications



- NOTES:
- 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:
 - INSTANTANEOUS AASHTO DESIGN TRUCK LIVE LOAD AT MINIMUM COVER
 - MAXIMUM PERMANENT (50-YEAR) COVER LOAD
 - 1-WEEK PARKED AASHTO DESIGN TRUCK LOAD
 - THE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F3430-20 "STANDARD SPECIFICATION FOR CELLULAR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - 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:
 - THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F3430
 - THE MINIMUM SAFETY FACTOR FOR LIVE LOADS SHALL BE 1.75
 - THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95

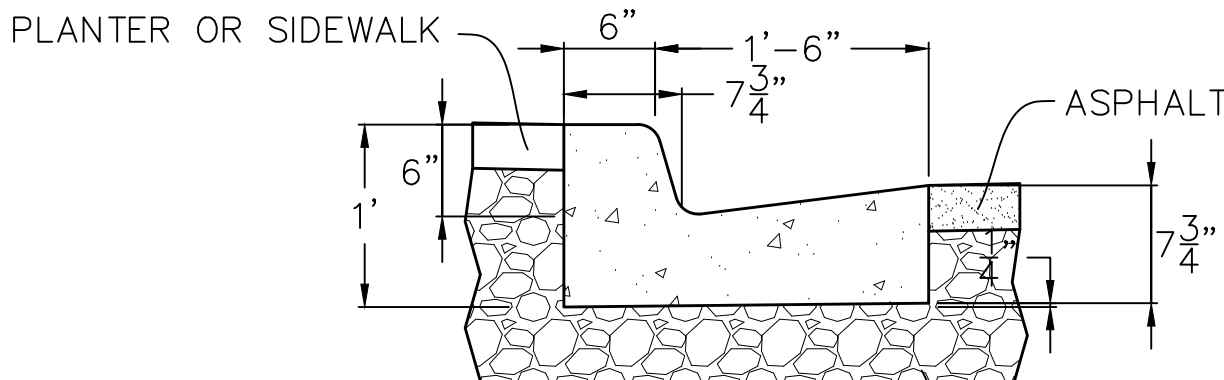
Recharger 902HD Typical Cross Section for Traffic Applications



- NOTES:
- 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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 - MAXIMUM PERMANENT (50-YEAR) COVER LOAD
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For more information, contact CULTEC at (203) 775-4416 or visit www.cultec.com.

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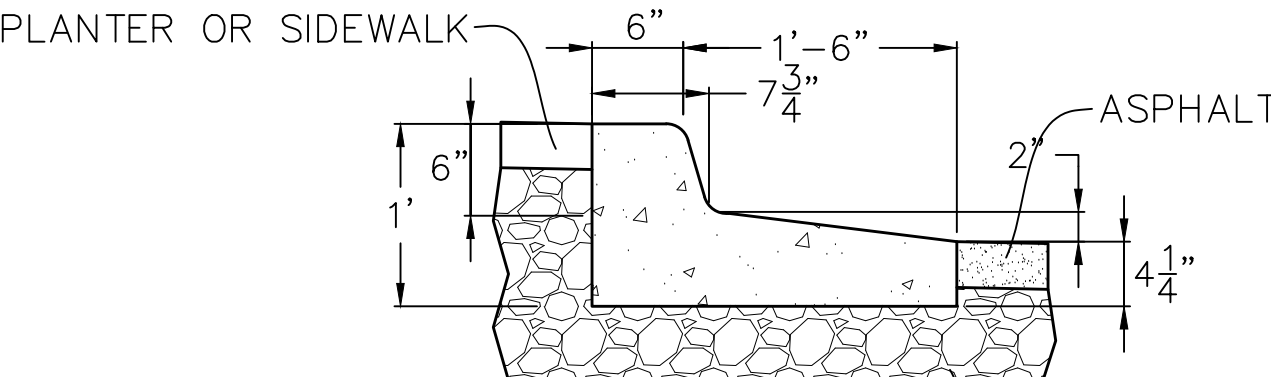


NOTE:
PLACE CONTROL JOINTS AT 10 FOOT INTERVALS

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-

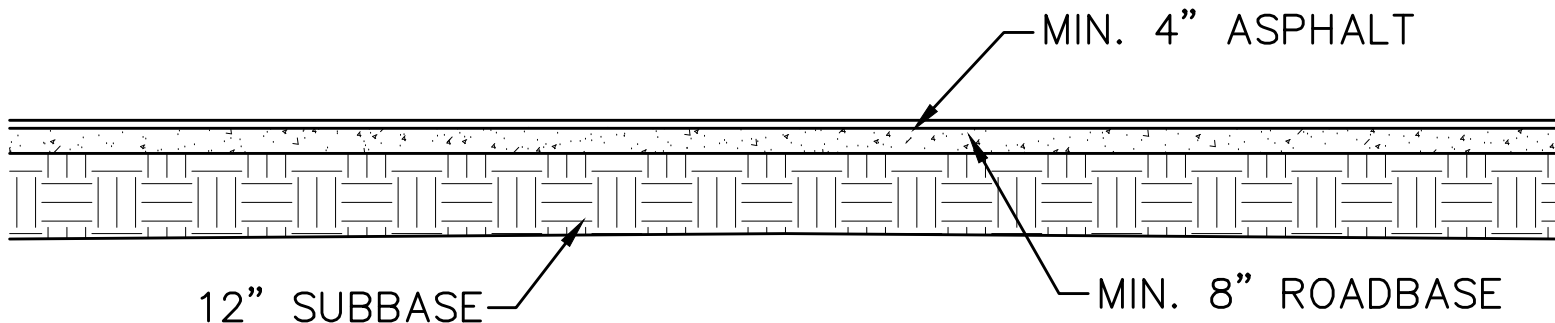


NOTE:
PLACE CONTROL JOINTS AT 10 FOOT INTERVALS

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

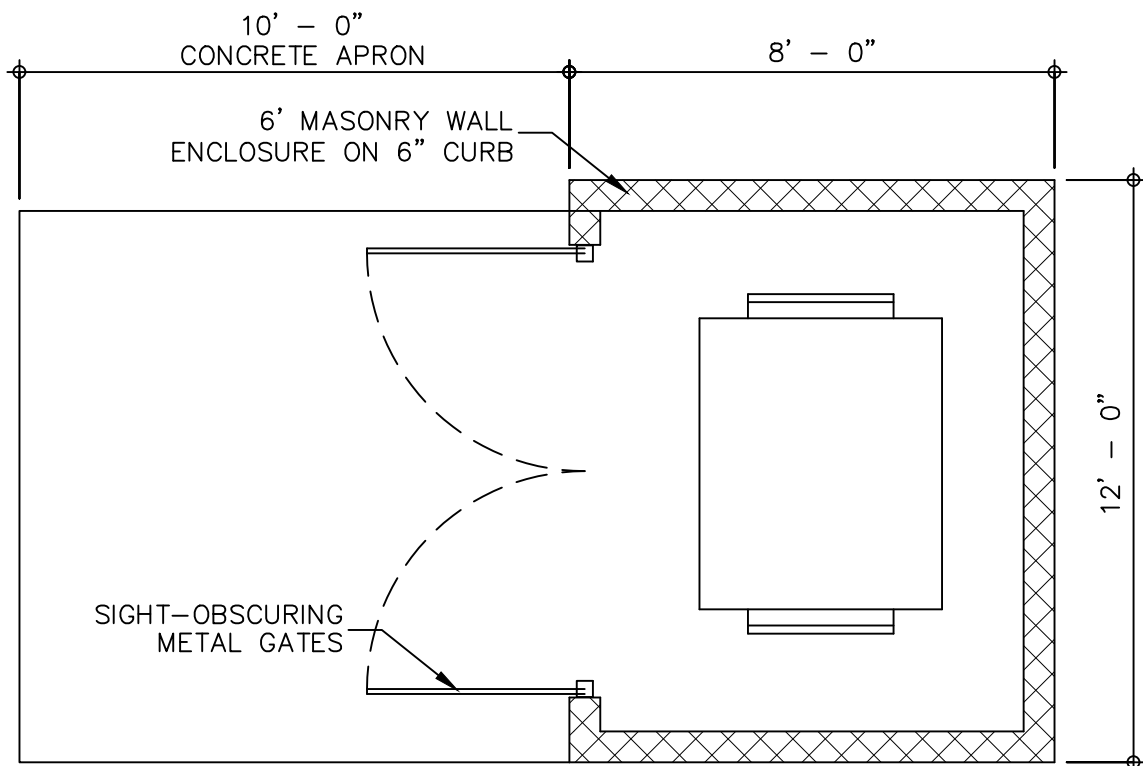
24" REVERSE LIP CURB & GUTTER

FOR USE IN PRIVATE STREETS
-NTS-



PARKING LOT CROSS SECTION

-NTS-



DUMPSTER ENCLOSURE:

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

SHEET NO.

DT-01

NO.	DATE
12	
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1	

REVISIONS

DETAIL SHEET

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY

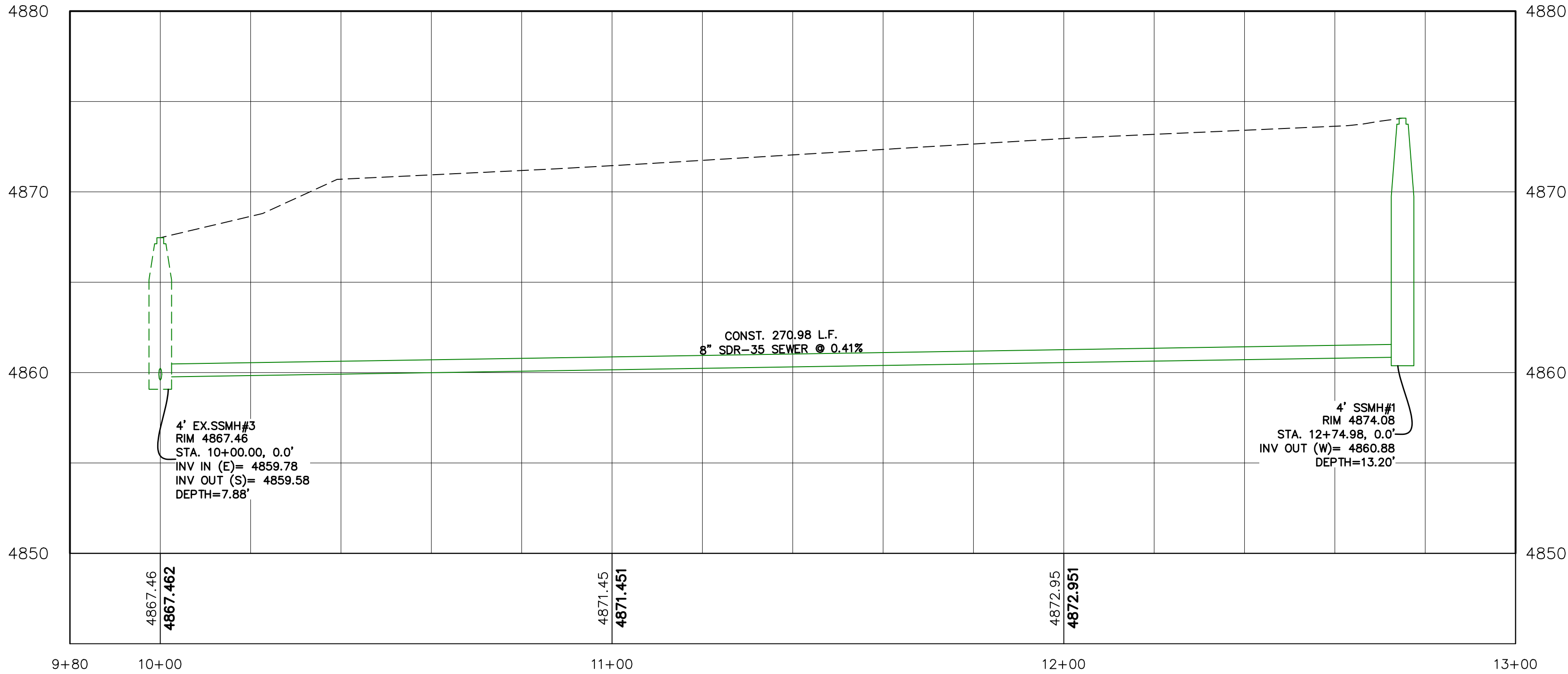
PHONE 801-655-6565
946 E. 800 N. SUITE A
SPANISH FORK, UT 84601



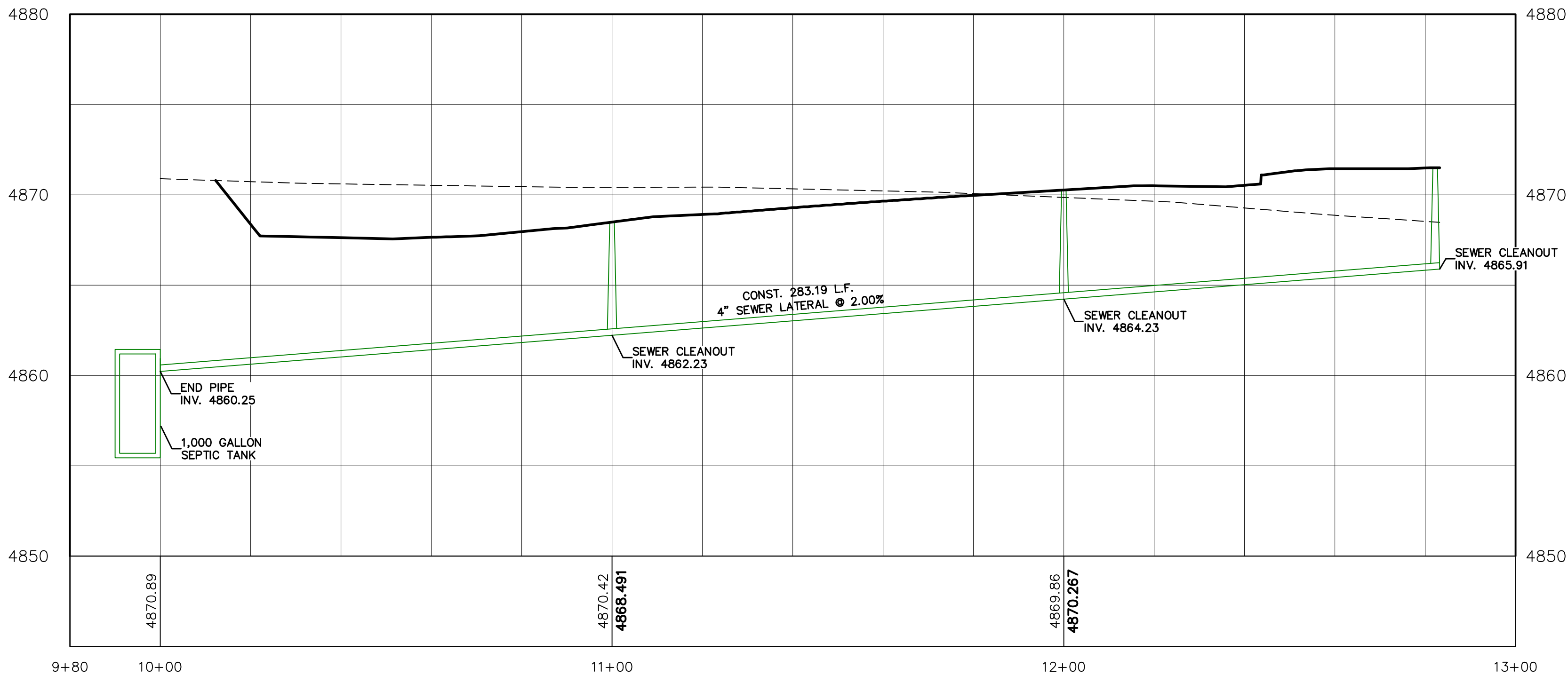
Z:\2023\23-03-35 BDS COMMERCIAL WAREHOUSE SITE PLAN\CAD\PRELIMINARY\08-DETAILS.DWG

*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

DETAIL SHEET

SANTAQUIN, UTAH

BDS COMMERCIAL SITE PLAN

ATLAS ENGINEERING
CIVIL · STRUCTURAL · SURVEY

PHONE 801-655-0565
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 COMPRESSION 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" COMPRESSION 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" COMPRESSION 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" COMPRESSION TEE
- (2) 3/4" END FIGURE 8
- (1) 1" PVC SCHEDULE 40 SSS TEE
- (70) OF SCHEDULE 40 PVC CONDUIT 4"

ZONE #5

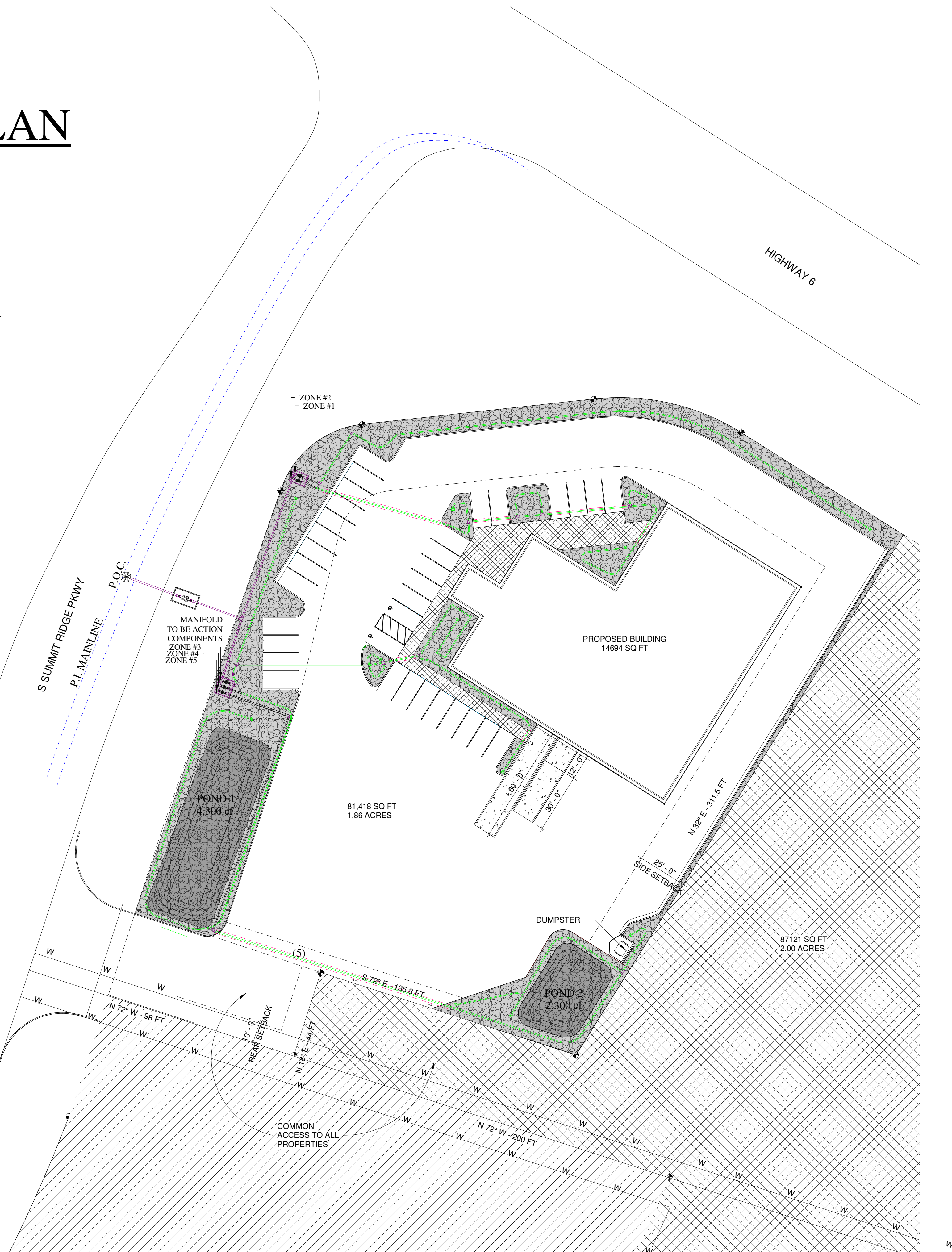
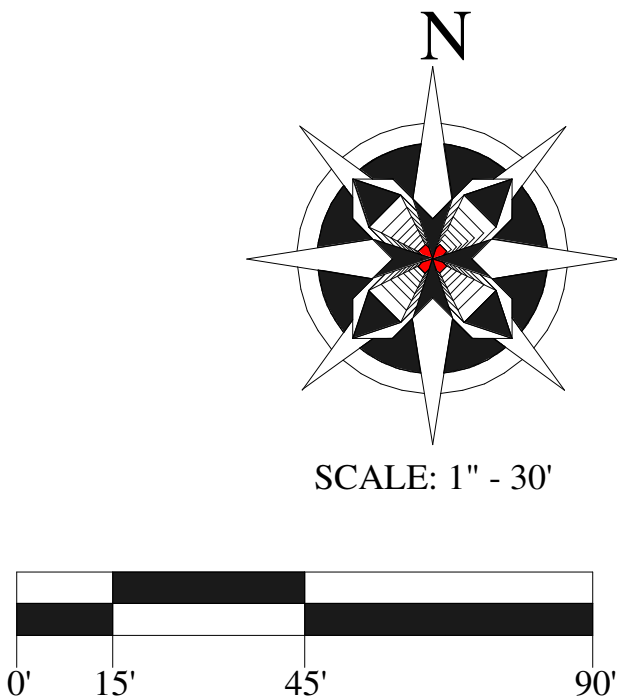
- (1) RAIN BIRD DV 1" W/ INLINE FILTER
- (115) 1" SCHEDULE 40 PVC
- (1) PVC TRANSITION PVC TO POLY
- (350) 3/4 POLY DRIP LINE
- (3) 3/4" COMPRESSION TEE
- (2) 3/4" END FIGURE 8
- (1) 1" COMPRESSION TEE
- (1) 1" COMPRESSION ELLBOW 90°
- (125) OF SCHEDULE 40 PVC CONDUIT 4"

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 VJBMB-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)

REFERENCE ROTORS IN GENERAL NOTES

IF THE PROJECT HAS CULINARY (CITY) WATER, THE OWNER / CONTRACTOR SHALL PROVIDE A 1 1/4 STOPS WASTE BALL VALVE TO TURN ON AND OFF OF THE WATER EACH SEASON. IT WILL BE LOCATED NEAR THE WATER METER & THEY WILL BE RESPONSIBLE 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 & WASTE 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 CULINARY OR PRESSURIZED IRRIGATION THERE SHALL BE 75PSI. AT THE P.O.C. THE CONTRACTOR SHALL 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 THESE 4 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

ARCHITECTURAL COALITION

962 West 800 North, Orem Utah, 84057
801-491-0275
84057

NO. 123134
GUILFORD A
RAND
STATE OF UTAH

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A WAREHOUSE & MANUFACTURING BUILDING
FOR Scott Smith
X5UR+R/2
Santaquin, Utah, 84655

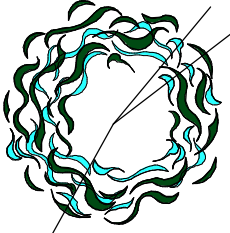
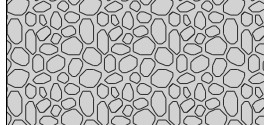
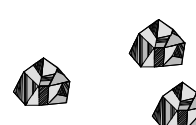
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9/05/2023

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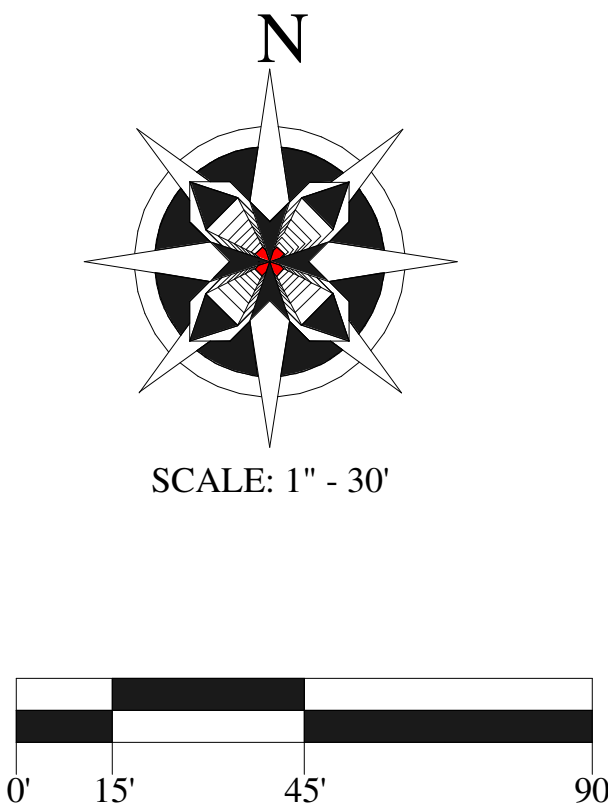
PLANTING SCHEDULE

TREES:

SYMBOL	LATIN / BATANICAL NAME	COMMON NAME	SIZE	CONTAINER	QUANTITY
	GLEDITSIA 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



REVISIONS
DATE

ARCHITECTURAL COALITION

962 West 800 North, Orem Utah, 84057
Ph: 801-491-0275

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

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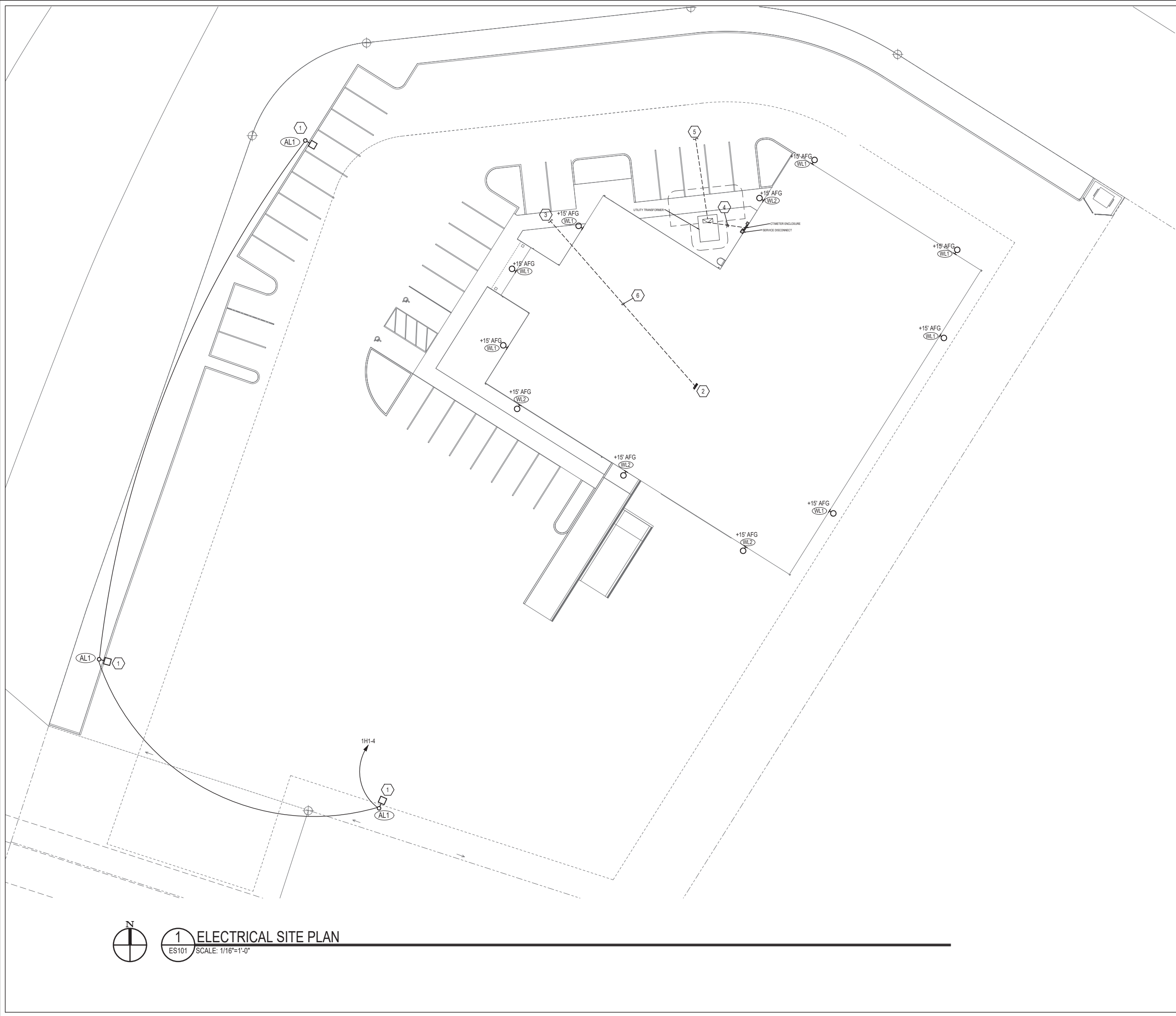
A WAREHOUSE & MANUFACTURING BUILDING

FOR Scott Smith

X5UR+R/J2 Santaquin, Utah, 84655

SHEET NO.
L-2

DATE
9/05/2023



1 ELECTRICAL SITE PLAN
ES101 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.

REVISIONS
DATE

ARCHITECTURAL COALITION

962 West 800 North, Orem Utah, 84057 Ph: 801-491-0275

PROFESSIONAL ENGINEER
Lewis Wong
No. 9076170
06/13/2023
STATE OF UTAH

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

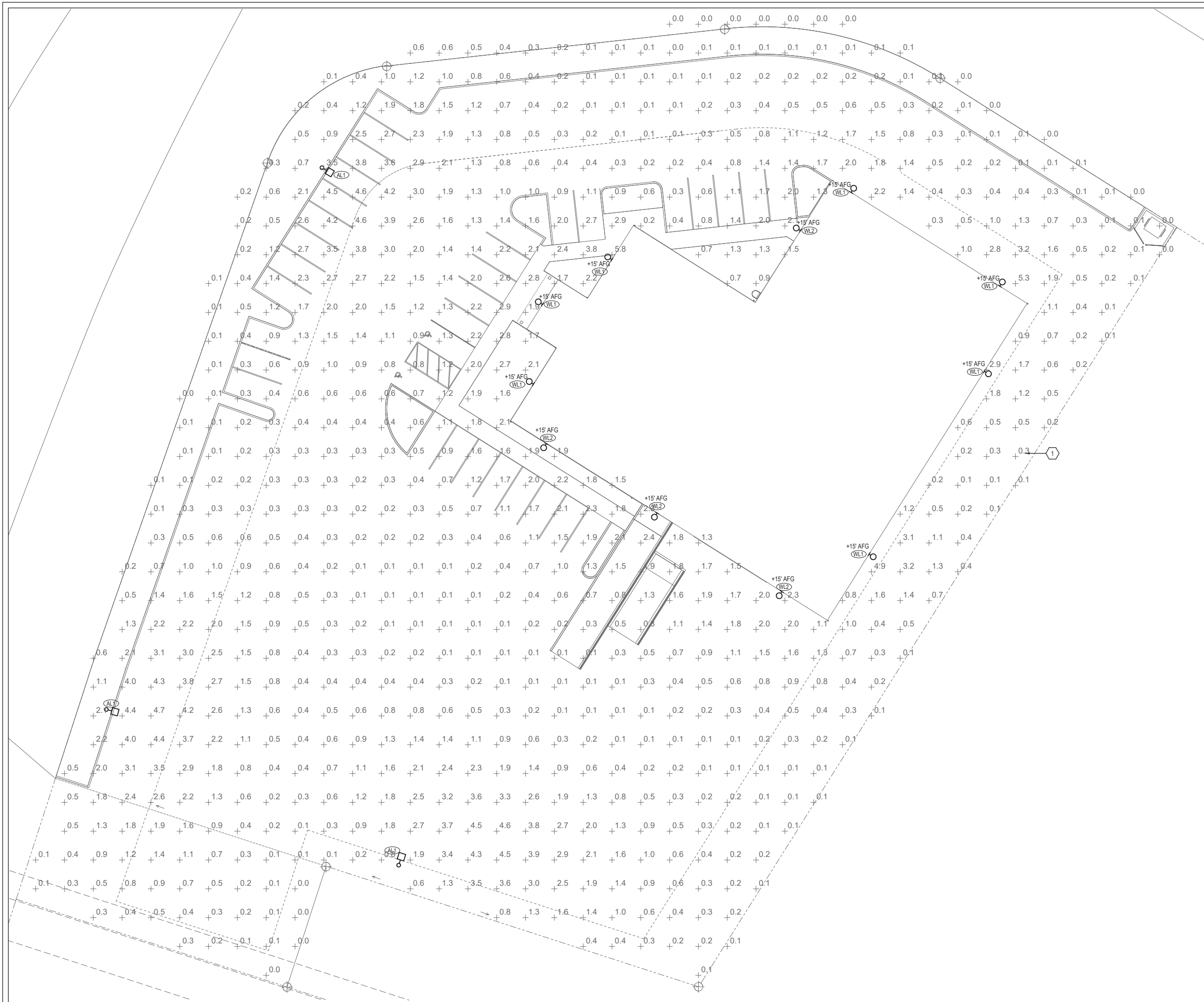
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SHEET NO.
ES101

DATE
06/13/2023

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

VBFA



GENERAL NOTES

A. INDICATES FOOT CANDLE LEVELS.

ELECTRICAL PHOTOMETRIC SITE PLAN
ES102 SCALE: 1/16"=1'-0"

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

PERMIT SET

REVISIONS
DATE

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ARCHITECTURAL COALITION

962 West 800 North, Orem Utah, 84057 Ph: 801-491-0275

PROFESSIONAL ENGINEER
Lewie Wong
No. 9076170
06/13/2023
STATE OF UTAH

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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

EQUIPMENT SCHEDULE																		
TYPE	DESCRIPTION	ELECTRICAL								OVER CURRENT PROTECTION						REMARKS		
		VOLT	PHASE	LOAD	FLA	WIRE				COND SIZE	OCPD/ MOC	TYPE	DISCONNECT		FUSE SIZE	NEMA		
						SETS	QTY	SIZE	GND				SIZE	POLE				
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	
EW - 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 VPH = 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/CTRL WIRING TO VFD 17. SPLIT SYSTEM. INDOOR UNIT FED FROM OUTDOOR UNIT.																		

SHOP EQUIPMENT SCHEDULE																					
TYPE	DESCRIPTION	ELECTRICAL								OVER CURRENT PROTECTION						TWIST-LOCK	MOUNTING HEIGHT	REMARKS			
		VOLT	PHASE	LOAD	FLA	WIRE				COND SIZE	OCPD/ MOC	TYPE	DISCONNECT		FUSE CONFIG						
						SETS	QTY	SIZE	GND				SIZE	POLE							
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 VPH = 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/CTRL WIRING TO VFD 17. COODINATE WITH OWNER PRIOR TO BID FOR FINAL LOCATION AND CONNECTION TYPE. 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-OEPD10/MV-U OR APPROVED EQUAL	MVOLT	LED LUMENS: 18000 CRI: 80 CCT: 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	LED LUMENS: 4000 CRI: 80 CCT: 4000K	GRID	0-10V	38.8		
DL1	DOWNLIGHT 6" DOWNLIGHT RECESSED WITH MATTE DIFFUSER AND MEIUM WIDE DISTRIBUTION.	GOTHAM LIGHTG	EV06-40-15-AR-LD-MWD-MVOLT-GZ10-NLT OR APPROVED EQUAL	MVOLT	LED LUMENS: 1500 CRI: 80 CCT: 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	LED LUMENS: 1350 CRI: 90 CCT: 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	LED LUMENS: 4000 CRI: 80 CCT: 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	LED LUMENS: 3014 CRI: 70 CCT: 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	LED LUMENS: 4400 CRI: 70 CCT: 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	LED LUMENS: 20730 CRI: 70 CCT: 3000K	POLE	NA	179		
EL1	EMERGENCY EMERGENCY EGRESS LIGHT WITH BATTERY BACKUP.	LITHONIA	AFO W MVOLT N SD CW OR APPROVED EQUAL	MVOLT	LED LUMENS: 730 CRI: 70 CCT: 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: 110 CRI: GREEN CCT: 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									



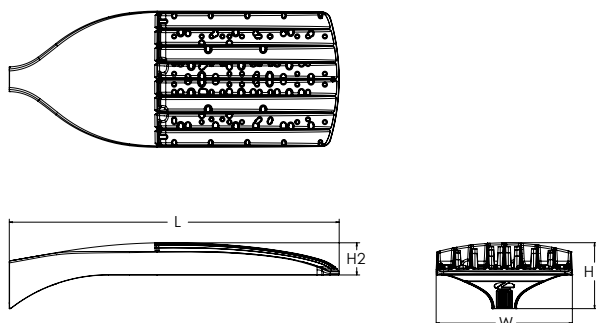
D-Series Size 2 LED Area Luminaire



d#series

Specifications

EPA:	1.06 ft ² (0.10 m ²)
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)



Catalog

Number

Notes

Type

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

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	(this section 70CRI only)		AFR Automotive front row	TSM Type V medium	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)
	P1 P5	30K 3000K	70CRI	T1S Type I short	TSLG Type V low glare	
	P2 P6	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	
	P3 P7	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	
	P4 P8	(this section 80CRI only, extended lead times apply)		T3LG Type III low glare ³	BLC4 Type IV backlight control ³	
	Rotated optics			T4M Type IV medium	LCCO Left corner cutoff ³	
	P10 ¹ P13 ¹	27K 2700K	80CRI	T4LG Type IV low glare ³	RCCO Right corner cutoff ³	
	P11 ¹ P14 ¹	30K 3000K	80CRI	TFTM Forward throw medium		
	P12 ¹	35K 3500K	80CRI			
		40K 4000K	80CRI			
		50K 5000K	80CRI			

Control options	Other options	Finish (required)
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}	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)	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
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}		



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DSX2-LED
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COMMERCIAL OUTDOOR

Ordering Information

Accessories

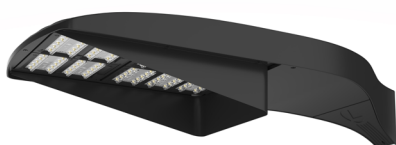
Ordered and shipped separately.

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)
DSXRPAS (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX2B5DB (FINISH)	Bird spike deterrent bracket (specify finish)

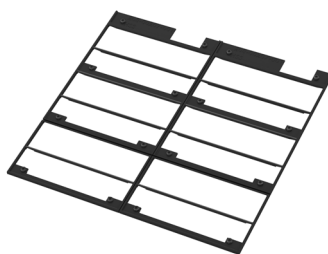
NOTES

- Rotated optics available with packages P10, P11, P12, P13 and P14. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in package P10.
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- 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.
- 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.
- 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.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- 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).
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option B5 and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P5, P6, P7, P8, P13 and P14.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories



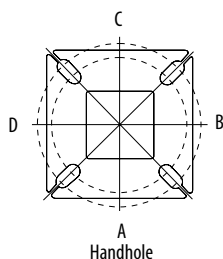
External Glare Shield (EGSR)



House Side Shield (HS)

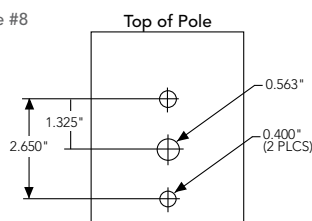
Drilling

HANDHOLE ORIENTATION



Handhole

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

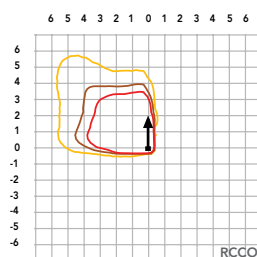
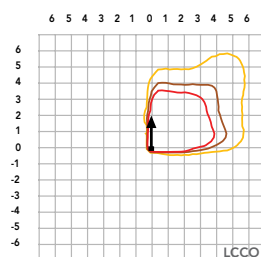
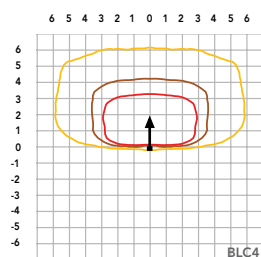
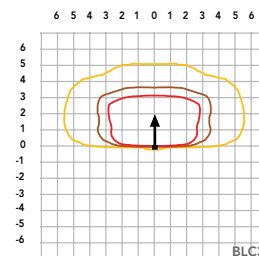
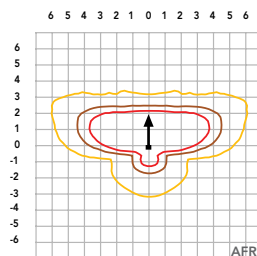
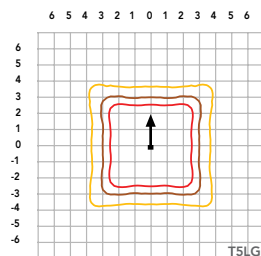
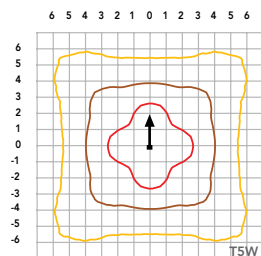
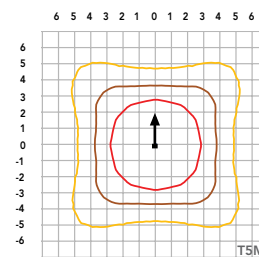
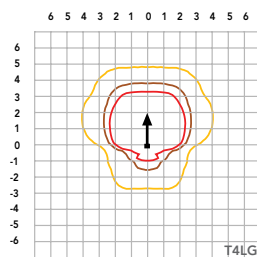
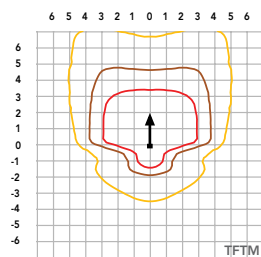
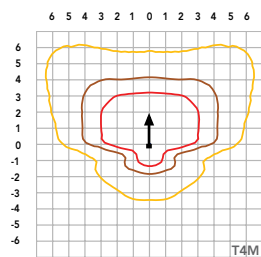
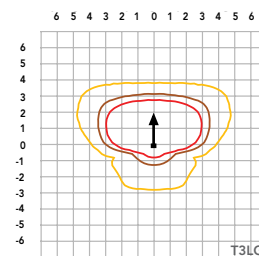
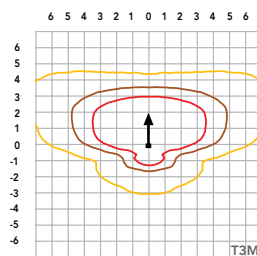
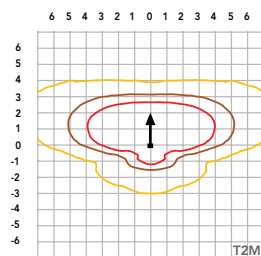
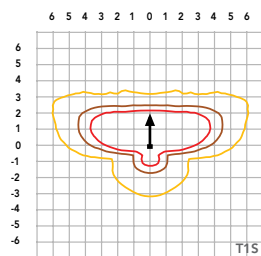
Photometric Diagrams

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	59°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.
PERS 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 Eclipse.	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					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(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					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(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						40K						50K					
					(3000K, 70 CRI)						(4000K, 70 CRI)						(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

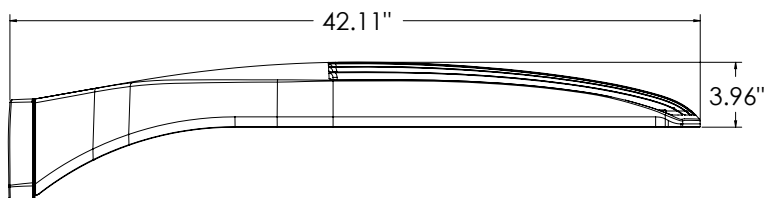
Lumen Output

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.

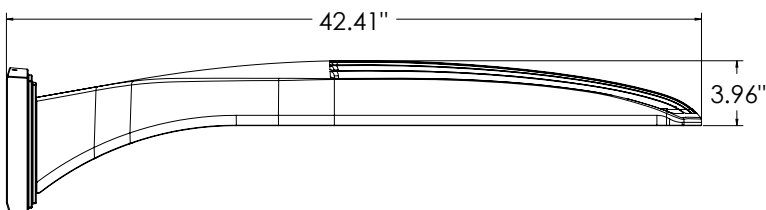
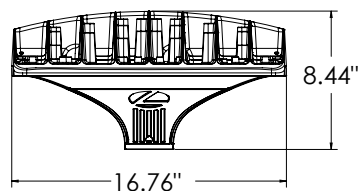
Rotated Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(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

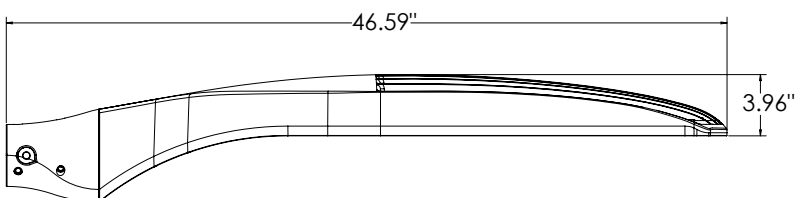
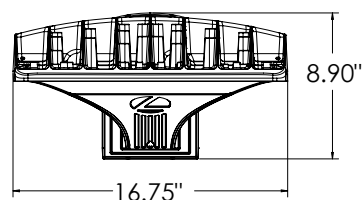
Dimensions



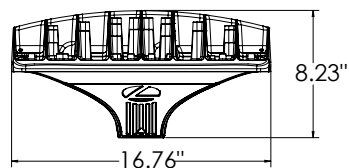
DSX2 with RPA, RPA5, SPA5, SPA8N mount
Weight: 48 lbs



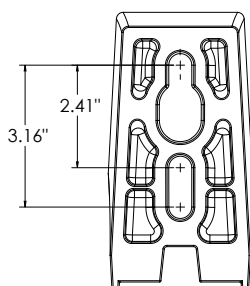
DSX2 with WBA mount
Weight: 50 lbs



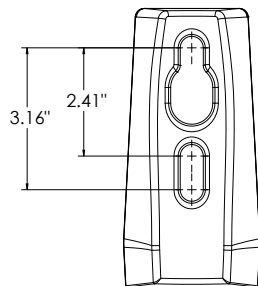
DSX2 with MA mount
Weight: 50 lbs



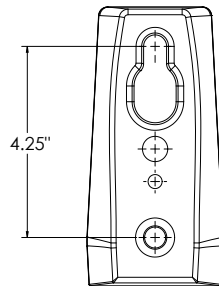
SPA (STANDARD ARM)



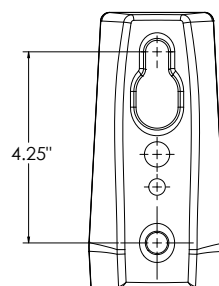
RPA



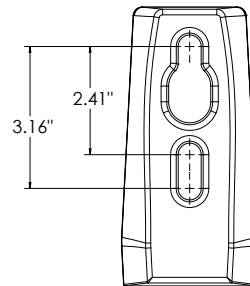
SPA5



RPA5

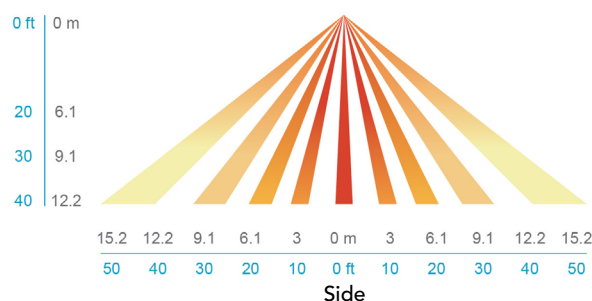
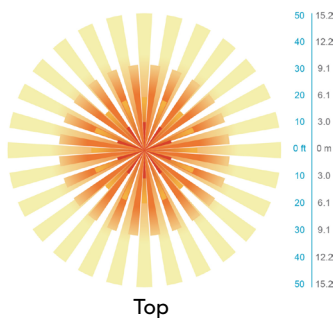
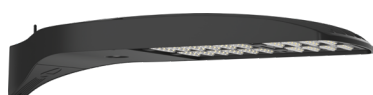


SPA8N



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



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 ft²) 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 programming 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 luminaires 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 Eclipse. 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

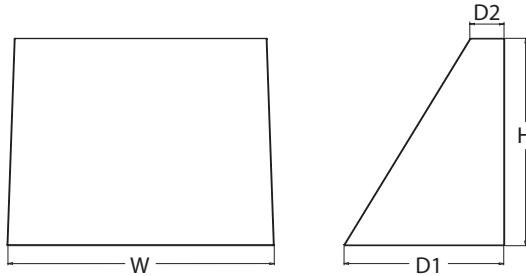
Notes

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: 13.5 lbs
 (without options)



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 SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶ Shipped separately AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.
	P1 ²	30K 3000K	80CRI	T2M Type II Medium	347 ⁵	
	P2 ²	40K 4000K	LW ³ Limited Wavelength	T3M Type III Medium	480 ⁵	
	P3 ²	50K 5000K		T4M Type IV Medium		
	P4 ²	AMB ³ Amber		TFTM Forward Throw Medium		

Options				Finish	
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	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	DDBXD	Dark bronze	
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)		DBLXD	Black	
PE ⁷	Photocell, Button Type		DNAXD	Natural aluminum	
DMG ⁸	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)		DWHXD	White	
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.		DSSXD	Sandstone	
BAA	Buy America(n) Act Compliant		DDBTXD	Textured dark bronze	
			DBLBDX	Textured black	
			DNATXD	Textured natural aluminum	
			DWHGXD	Textured white	
			DSSTXD	Textured sandstone	



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 Rev. 11/21/22

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD WEDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2P8BW DDBXD U WEDGE2 surface-mounted back box (specify finish)

NOTES

- 1 PO 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



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Rev. 11/21/22

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).

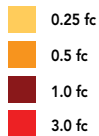
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

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

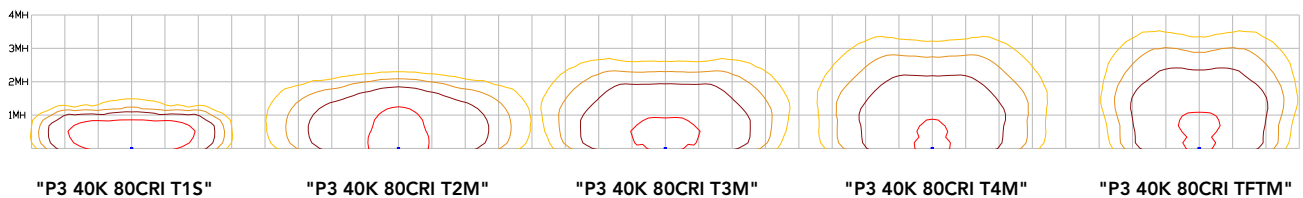
Photometric Diagrams

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



MH = 10ft
Grid = 10ft x 10ft



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



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Motion/Ambient Sensor (PIR, PIRH)

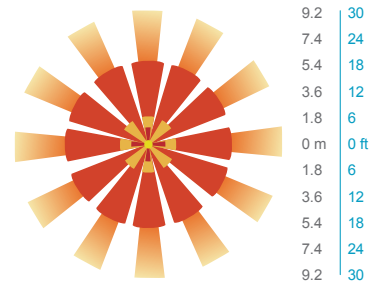
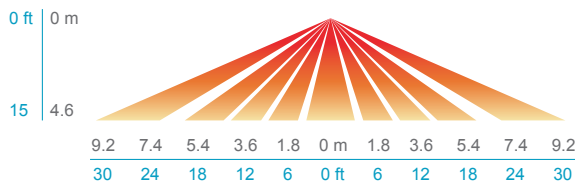
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing 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.

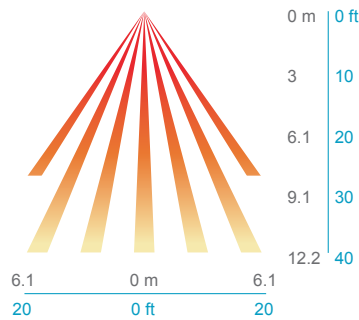
PIR

HIGH VIEW

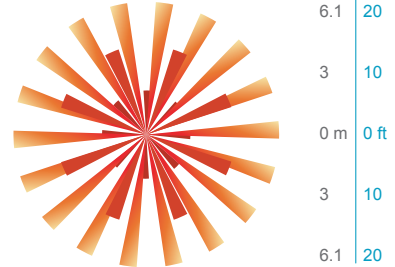


PIRH

SIDE VIEW



TOP VIEW



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.