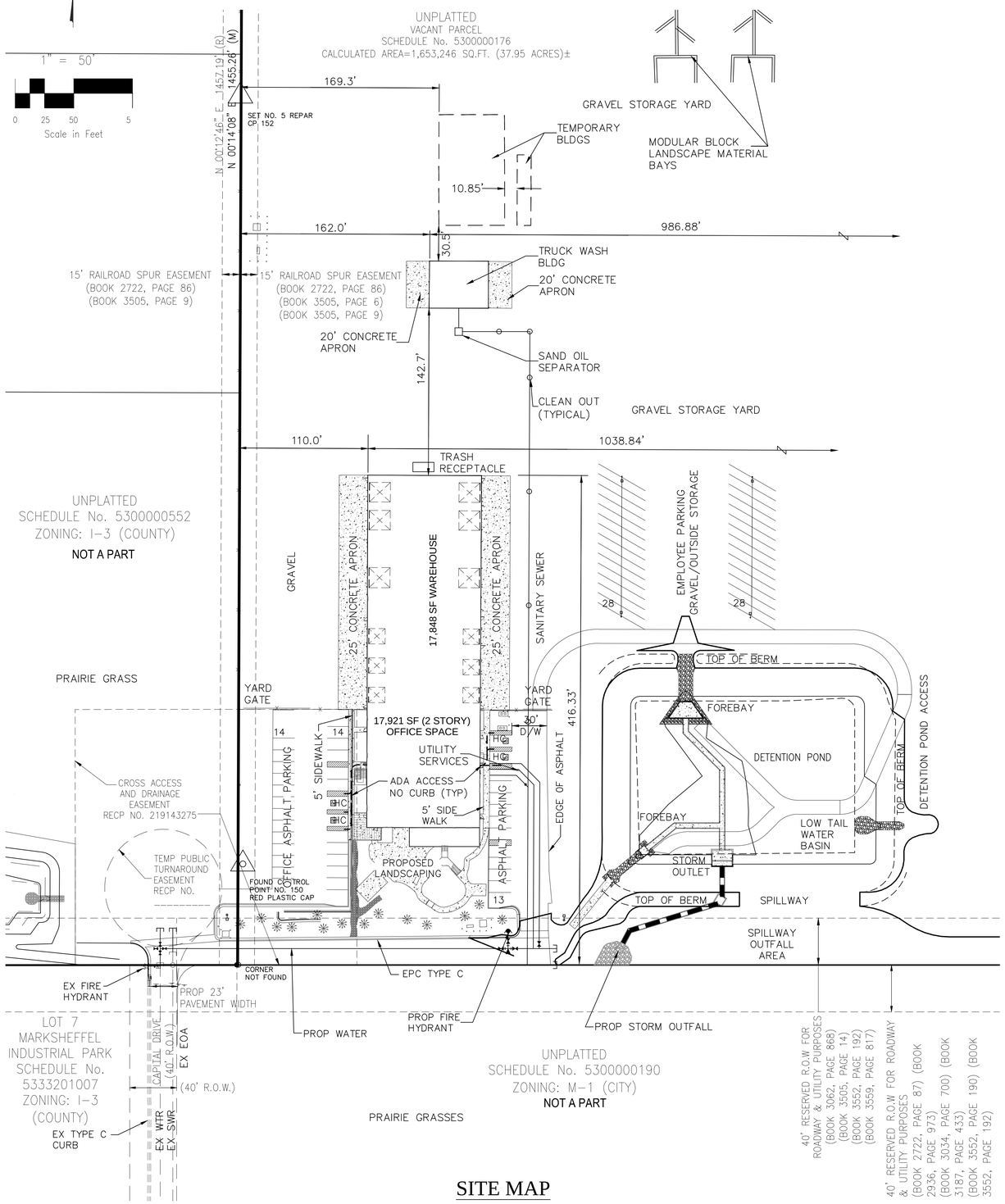
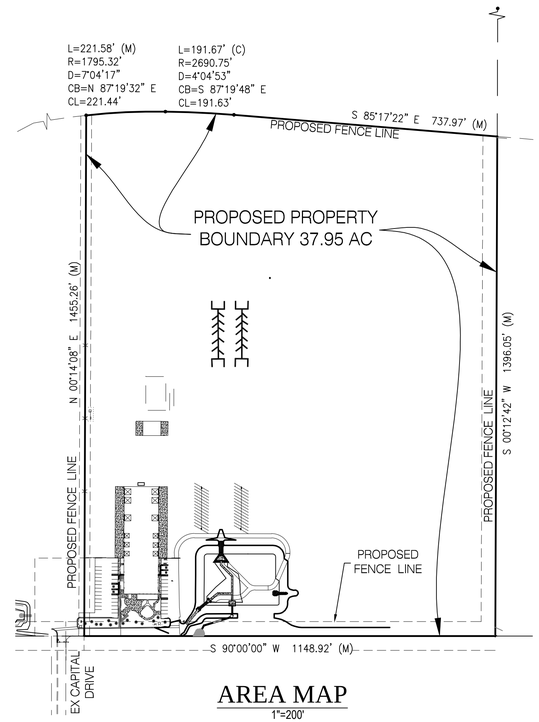
SITE DEVELOPMENT PLAN - TIMBERLINE STORAGE YARD

EL PASO COUNTY, STATE OF COLORADO

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN,

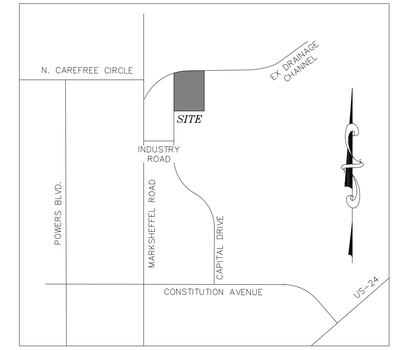


SITE MAP



AREA MAP

1"=200'



VICINITY MAP

N.T.S.

CONTACTS

OWNER	TIMBERLINE LANDSCAPING, INC. 8110 OPPORTUNITY VIEW COLORADO SPRINGS, CO 80939
CIVIL ENGINEER	MS CIVIL CONSULTANTS, INC 102 E. PIKES PEAK AVE. STE 306 COLORADO SPRINGS, CO 80903 VIRGIL A. SANCHEZ, P.E. 719-491-0818
WATER AND WASTEWATER	CHEROKEE METROPOLITAN DISTRICT 6250 PALMER PARK BOULEVARD COLORADO SPRINGS, CO 80915-1721 JONATHAN SMITH 719-597-5080
COUNTY ENGINEER	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, COLORADO 80910 719-520-6300
FIRE DEPARTMENT	CIMARRON HILLS FIRE DEPARTMENT 1835 TUSKEGEE PLACE COLORADO SPRINGS, CO 80915 719-591-0960
TELEPHONE COMPANY	U.S. WEST COMMUNICATIONS (LOCATORS) 800-922-1987 AT&T (LOCATORS) 719-635-3674

LEGAL DESCRIPTION:

THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER; THENCE ON THE WEST LINE OF SAID SOUTHWEST QUARTER, NORTH 00 DEGREES 02 MINUTES 12 SECONDS WEST A DISTANCE OF 298.20 FEET TO INTERSECT THE SOUTHEASTERLY RIGHT-OF-WAY LINE OF THE CHICAGO, ROCK ISLAND AND PACIFIC RAILROAD; THENCE NORTHEASTERLY AND EASTERLY ON SAID RIGHT-OF-WAY LINE ON A CURVE TO THE RIGHT WHOSE RADIUS IS 1,795.32 FEET, THROUGH A CENTRAL ANGLE OF 63 DEGREES 33 MINUTES 20 SECONDS AN ARC DISTANCE OF 1,991.47 FEET FOR THE POINT OF BEGINNING OF THE TRACT TO BE DESCRIBED HEREBY; THENCE CONTINUE ON THE LAST MENTIONED CURVE, WHOSE RADIUS IS 1,795.32 FEET, THROUGH A CENTRAL ANGLE OF 06 DEGREES 56 MINUTES 39 SECONDS AN ARC DISTANCE OF 217.59 FEET; THENCE ON A SPIRAL CURVE, WHOSE LONG CHORD BEARS SOUTH 86 DEGREES 25 MINUTES 49 SECONDS EAST A DISTANCE OF 195.23 FEET TO A POINT OF TANGENCY; THENCE SOUTH 85 DEGREES 25 MINUTES 17 SECONDS EAST A DISTANCE OF 738.04 FEET MORE OF LESS TO INTERSECT THE EAST LINE OF SAID SOUTHWEST QUARTER; THENCE ON SAID EAST LINE SOUTH 00 DEGREES 12 MINUTES 46 SECONDS WEST A DISTANCE OF 1,395.80 FEET TO THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER; THENCE ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER, SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST A DISTANCE OF 1,148.00 FEET; THENCE NORTH 00 DEGREES 12 MINUTES 46 SECONDS EAST A DISTANCE OF 1,457.19 FEET MORE OR LESS TO THE POINT OF BEGINNING.

CALCULATED AREA=1,653,246 SQ.FT. (37.95 ACRES)±

NOTE:

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATION OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

PAGE INDEX	
1 OF 2	SITE DEVELOPMENT PLAN
2 OF 2	OVERALL SITE DEVELOPMENT PLAN

Approved
By:Craig Dossey, Executive Director
Date: 04/13/2020
El Paso County Planning & Community Development

EL PASO COUNTY FILE NO. PPR 19-042

TIMBERLINE STORAGE YARD
SITE DEVELOPMENT PLAN

PROJECT NO. 43-095
DATE: 03/30/2020
SCALE: HORIZONTAL: N/A VERTICAL: N/A
SHEET 1 OF 2
SD01

DESIGNED BY: DLM
DRAWN BY: GW
CHECKED BY: VAS

102 E. PIKES PEAK AVE. 5TH FLOOR
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5485
MS CIVIL CONSULTANTS, INC.

FOR AND ON BEHALF OF MS CIVIL CONSULTANTS, INC.

VIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160

REVISIONS:

NO.	DATE:	BY:	DESCRIPTION:	APRV'D:	BY:	DATE:

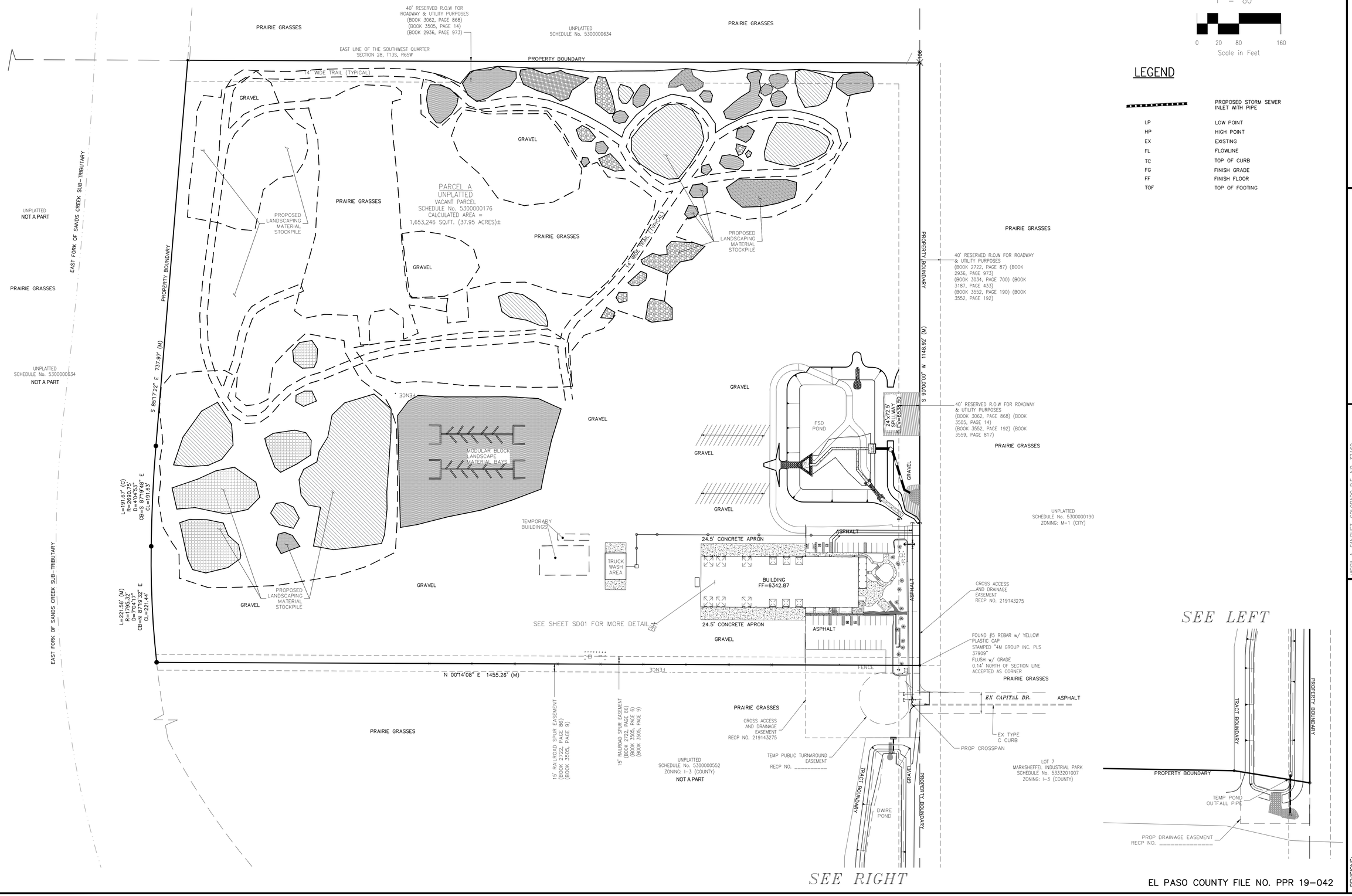
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CAUTION

File: O:\43095A\Tim Emick\dwg\Dev Plan\43095 Site Plan sht 1.dwg Plotstamp: 3/31/2020 1:28 PM

TIMBERLINE STORAGE YARD

SITE DEVELOPMENT PLAN



LEGEND

	PROPOSED STORM SEWER INLET WITH PIPE
LP	LOW POINT
HP	HIGH POINT
EX	EXISTING
FL	FLOWLINE
TC	TOP OF CURB
FG	FINISH GRADE
FF	FINISH FLOOR
TOF	TOP OF FOOTING

EL PASO COUNTY FILE NO. PPR 19-042

TIMBERLINE STORAGE YARD
OVERALL SITE DEVELOPMENT PLAN

PROJECT NO. 43-095
DATE: 03/30/2020
SCALE: HORIZONTAL: 1"=80' VERTICAL: N/A
DESIGNED BY: GW
DRAWN BY: GW
CHECKED BY: VAS
SHEET 2 OF 2
SD02

102 E. PIKES PEAK AVE. 5TH FLOOR
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5485
CIVIL CONSULTANTS, INC.
VIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160
FOR AND ON BEHALF OF MASS CIVIL CONSULTANTS, INC.

REVISIONS:

NO.	DATE:	BY:	DESCRIPTION:	APRV'D.	BY:	DATE:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CAUTION

File: O:\43095A\Tim Emick\dwg\Dev Plan\43095 SITE DEVELOPMENT PLAN.dwg Plotstamp: 3/31/2020 1:26 PM

LANDSCAPE REQUIREMENTS

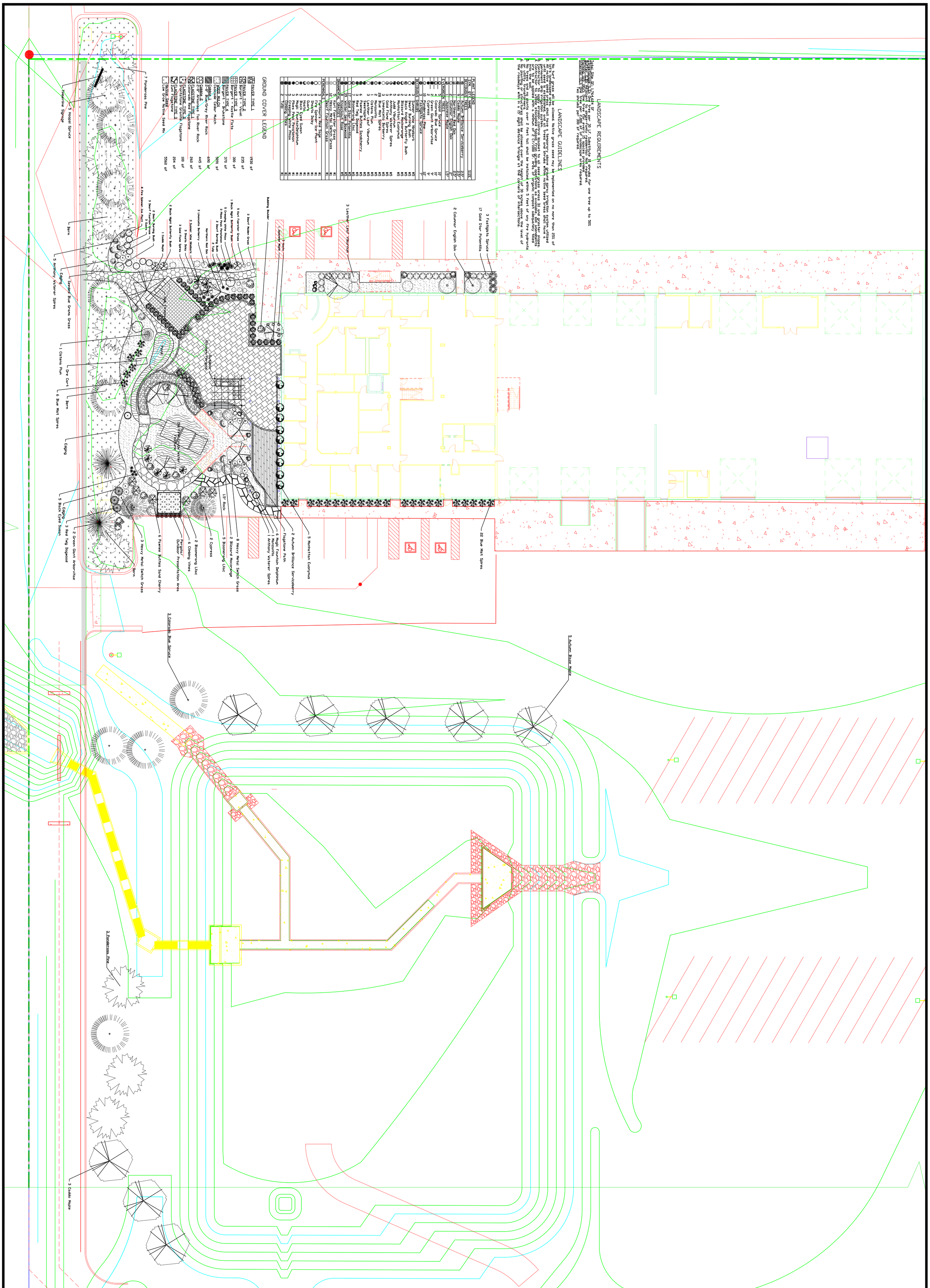
Total Site SF: 1,764,624 SF
Screescape Area: 300,000 SF
Parking Lot Area: 1,464,624 SF
Required Trees: One tree per 30 LF. Substitute 10 shrubs for one tree up to 50%
Required Shrubs: One tree for every 15 spaces provided
Parking Lot Trees: One tree for every 15 spaces provided
Perimeter Shrubs: Two shrubs per 300 sf required

LANDSCAPE GUIDELINES

1. No turf grass will be allowed. Native grass seed may be implemented on no more than 25% of lot's landscape area.
2. All native seed areas shall have a temporary above ground spray irrigation system utilized to establish native grasses. Native grass areas shall not have permanent drip irrigation system.
3. Contractor to provide erosion control blanket to all seed grass areas 3:1 and greater slopes.
4. Contractor to utilize stockpiled topsoil from grading operations as available. Soil amendments shall be supplied with a minimum of 2 CY/1000 SF. Area of organic compost adequately tilled into the soil.
5. Provide a minimum of 6 inches of topsoil over 2 feet tall shall be installed within 5 feet of any fire hydrants or utility transformers.
6. No planting or structures shall be allowed over the height of 30 inches above the level of the roadway within a triangle at the corners of intersections.

PLANT LEGEND		
SYM. QTY.	NAME	SIZE
DECIDUOUS TREES		
5	Autumn Brilliance Serviceberry	2.5"
9	Caddo Maple	2.5"
2	Kentucky Coffee Tree	2.5"
2	Columnar English Oak	2"
1	Japanese Maple	1.5"
EVERGREEN TREES		
4	Dwarf Spruce	10'
2	Colorado Blue Spruce	10'
2	Green Giant Arborvitae	9'
10	Ponderosa Pine	12'
3	Fastigiata Spruce	12'
DECIDUOUS SHRUBS		
4	Dwarf Viburnum	#5
3	Dwarf Burning Bush	#5
3	Black Knight Butterfly Bush	#5
5	Manhattan Euonymus	#5
6	Judd Viburnum	#5
5	Anthony Waterer Spirea	#5
3	Limoncello Barberry	#5
28	Blue Mist Spirea	#5
1	Cistena Plum	#5
3	Leather Leaf Viburnum	#5
	Sweetspire Sprites Sandcherry	#5
6	Red Twig Dogwood	#5
3	Bloomerang Lilac	#5
7	Gold Star Potentilla	#5
30	Knockout Rose	#5
ORNAMENTAL GRASSES		
1	Karl Foerster Grass	#1
12	Heavy Metal Switch Grass	#1
6	Dwarf Fountain Grass	#1
PERENNIALS		
8	Fire Spinner Ice Plant	#1
3	Snowbank Dusty Miller	#1
3	Snowtia Daisy	#1
5	Hosta	#1
5	Black Eyed Susan	#1
5	Magic Fountain Delphinium	#1
5	Creeping White Phlox	#1
7	Climbing Vines	#1
2	Tulip	#1

GROUND COVER LEGEND		
	PAVER TYPE 1	1930 sf
	PAVER TYPE 2	235 sf
	Borgert - Bluestone	
	PAVER TYPE 3	300 sf
	Borgert - Kaste Flats	
	PAVER TYPE 4	370 sf
	Borgert - Bruksstone	
	Dusc Lab Cedar Mulch	3091 sf
	Cobble 1	
	2-8" Blue/Grey River Rock	690 sf
	Cobble 2	
	2-8" Arkansas Tan River Rock	445 sf
	Cobble 3	
	Colorado Red Flagstone	260 sf
	FLAGSTONE TYPE 2	
	Ironstone Granite Flagstone	100 sf
	FLAGSTONE TYPE 3	
	Kansas Flagstone	204 sf
	Low Grow Native Seed Mix	5560 sf



Timberline Landscaping

8110 Opportunity View
Colorado Springs, CO 80939
(719) 638-1000 fax (719) 638-1010

Timberline Landscaping, Inc. - Landscape Plan

Job #

8110 Opportunity View
Colorado Springs, Colorado 80939

Drawing and the subject matter therein is the property of Timberline Landscaping, Inc. and is not to be copiedor disclosed to others without the expressed written permission of Timberline Landscaping, Inc. Any such uses constitutes a purchase of design services from Timberline Landscaping, Inc.

Designed by: Elysa Engle

Date: 4.10.2019

Revised:

Scale: 1" = 10'

LANDSCAPE REQUIREMENTS

Total Site SF: 1,764,624 SF
Streetscape (LS): One tree per 30 L.F. Substitute 10 shrubs for one tree up to 50%
Buffer (LB): Adjacent to single-family residential: Not required.
Parking lot: (MV): One tree for every 15 spaces provided.
Internal (IL): One tree per 2,000 sf of landscape area required.
Two shrubs per 300 sf required.

LANDSCAPE GUIDELINES

1. No turf grass will be allowed. Native grass seed may be implemented on no more than 25% of lot's landscaped area.
2. All native seed areas shall have a temporary above ground spray irrigation system utilized until seed is established, and all trees and shrubs within native seed areas shall have a permanent drip irrigation system.
3. Contractor to apply erosion control blanket to all seed grass areas 3:1 and greater slopes.
4. Contractor to utilize stockpiled topsoil from grading operations as available, soil amendments are to be applied with a minimum of 2 CY/1000 SF. Area of organic compost adequately tilled into the soil.
5. No trees and no plants over 2 feet tall shall be installed within 5 feet of any fire hydrants or utility transformers.
6. No planting or structures shall be allowed over the height of 30 inches above the level of the roadways with in a 15' sight distance triangle at the corners of intersections.

PLANT LEGEND

SYM.	QTY.	NAME	SIZE
DECIDUOUS TREES			
	5	Autumn Brilliance Serviceberry	2.5"
	9	Caddo Maple	2.5"
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	2	Columnar English Oak	2"
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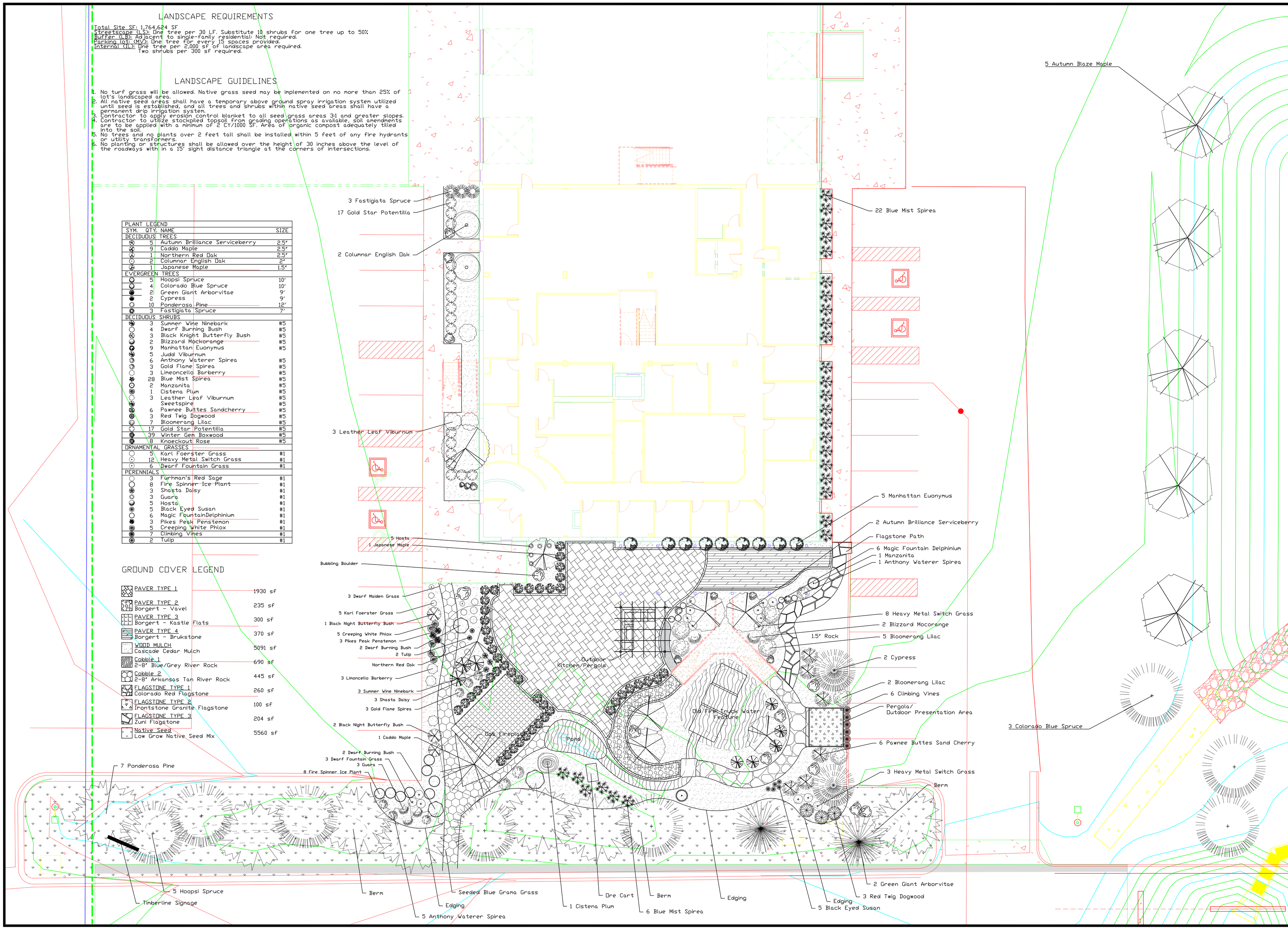
	4	Colorado Blue Spruce	10'
	2	Green Giant Arborvitae	9'
	2	Cypress	9'
	10	Ponderosa Pine	12'
	3	Fastigiata Spruce	7'
DECIDUOUS SHRUBS			
	3	Summer Wine Ninebark	#5
	4	Dwarf Burning Bush	#5
	3	Black Knight Butterfly Bush	#5
	2	Blizzard Mockorange	#5
	9	Manhattan Euonymus	#5
	5	Judd Viburnum	
	6	Anthony Waterer Spirea	#5
	3	Gold Flame Spirea	#5
	3	Limeoncella Barberry	#5
	28	Blue Mist Spirea	#5
	2	Manzanita	#5
	1	Cistena Plum	#5
	3	Leather Leaf Viburnum	#5
		Sweetspire	#5
	6	Pawnee Buttes Sandcherry	#5
	3	Red Twig Dogwood	#5
	7	Bloomerang Lilac	#5
	17	Gold Star Potentilla	#5
	39	Winter Gem Boxwood	#5
	8	Knoockout Rose	#5
ORNAMENTAL GRASSES			
	5	Karl Foerster Grass	#1
	12	Heavy Metal Switch Grass	#1
	6	Dwarf Fountain Grass	#1
PERENNIALS			
	3	Furnman's Red Sage	#1
	8	Fire Spinner Ice Plant	#1
	3	Shasta Daisy	#1
	3	Guara	#1
	5	Hosta	#1
	5	Black Eyed Susan	#1
	6	Magic FountainDelphinium	#1
	3	Pikes Peak Penstemon	#1
	5	Creeping White Phlox	#1
	7	Climbing Vines	#1
	2	Tulip	#1

GROUND COVER LEGEND

PAVER TYPE 1	1930 sf
PAVER TYPE 2 Borgert - Vavel	235 sf
PAVER TYPE 3 Borgert - Kastle Flats	300 sf
PAVER TYPE 4 Borgert - Brukstone	370 sf
WOOD MULCH Cascade Cedar Mulch	5091 sf
Cobble 1 2-8" Blue/Grey River Rock	690 sf
Cobble 2 2-8" Arkansas Tan River Rock	445 sf
FLAGSTONE TYPE 1 Colorado Red Flagstone	260 sf
FLAGSTONE TYPE 2 Frontstone Granite Flagstone	100 sf
FLAGSTONE TYPE 3 Zuni Flagstone	204 sf
Native Seed Low Grow Native Seed Mix	5560 sf



Designed by: Elysa Engle

Date: 4.10.2019

Revised:

Scale: 1" = 10'

Job #

Timberline Landscaping, Inc. - Landscape Plan

8110 Opportunity View
Colorado Springs, Colorado 80939

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Timberline landscaping
8110 Opportunity View
Colorado Springs, CO 80939
(719) 638-1000 fax (719) 638-1010

ELECTRICAL SYMBOL LEGEND

ALL SYMBOLS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON PLANS

SYMBOL	DESCRIPTION
	EXTERIOR LIGHTING
A a 1 NL	LIGHTING FIXTURE. UPPER CASE LETTER INDICATES TYPE, LOWER CASE LETTER INDICATES SWITCH LEG, NUMBER DENOTES CIRCUIT AND NL INDICATES NIGHT LIGHT. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	POLE MOUNTED LUMINAIRE, SINGLE HEAD
	POLE MOUNTED LUMINAIRE, DOUBLE HEAD

NOTE:
ALL SYMBOLS REPRESENTED BELOW BUT SHOWN ON PLANS IN A LIGHT LINE WEIGHT DENOTE EXISTING DEVICE

DIVISION 26 - ELECTRICAL

A. GENERAL:

1. ALL ELECTRICAL PRODUCTS AND THEIR INSTALLATION SHALL BE UL LISTED AND COMPLY WITH THE 2017 NATIONAL ELECTRICAL CODE (NEC) AND 2015 INTERNATIONAL CODES, PERTINENT STATE AND LOCAL CODES AND ALL INSPECTION AUTHORITIES HAVING JURISDICTION.
2. PROCURE ALL LICENSES AND CERTIFICATES AND PAY ALL FEES ASSOCIATED REQUIRED TO PERFORM THE DIVISION 26 WORK. COORDINATE THE ELECTRICAL WORK WITH THE WORK OF ALL OTHER TRADES. CLEAN AND REPLACE ANY DAMAGED PRODUCTS AT CONCLUSION OF WORK.

B. BASIC METHOD AND MATERIALS:

1. MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW.

C. CONDUCTORS:

1. ALL CONDUCTORS SHALL BE 600V, COPPER, THHN/THWN IN DRY LOCATIONS AND THWN-2 IN DAMP/WET LOCATIONS.
2. CONDUCTORS SHALL BE SOLID IN SIZES UP TO #10 AND STRANDED FOR SIZES #8 AND LARGER.
3. MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.

D. LIGHTING FIXTURES:

1. PROVIDE LIGHT FIXTURES AND LAMPS AS SHOWN IN THE LIGHTING FIXTURE SCHEDULE U.N.O.

PROJECT GENERAL NOTES

A. NOTICE TO CONTRACTOR:
ALL COSTS AND FEES (REDESIGN COSTS) FOR MAKING MODIFICATIONS, e.g. ARCHITECTURAL, CIVIL, STRUCTURAL, ELECTRICAL, ETC., TO THE CONTRACT DOCUMENTS, AS WELL AS ALL COSTS PERTAINING TO CONSTRUCTION OF THE WORK, MADE NECESSARY BY SELECTION/PROVISION PRODUCTS OTHER THAN THE BASIS-OF-DESIGN PRODUCTS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO INCREASE IN THE CONSTRUCTION CONTRACT AMOUNT WILL BE MADE ON ACCOUNT THEREOF. CONTRACTOR SHALL REIMBURSE OWNER FOR SAID REDESIGN COSTS VIA DEDUCTIVE CHANGE ORDER.

B. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH THE MECHANICAL, PLUMBING, STRUCTURAL, AND ARCHITECTURAL PLANS AND/OR CONTRACTORS PRIOR TO AND DURING CONSTRUCTION. COORDINATE WITH THE ARCHITECT, OWNER, AND GC ON ALL CONSTRUCTION PHASING REQUIREMENTS PRIOR TO STARTING DEMOLITION AND/OR NEW WORK.

C. ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NFPA-70, 2017 EDITION, AND THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

D. U.N.O., COORDINATE ALL LUMINAIRE MOUNTING HEIGHTS AND LOCATIONS WITH OTHER TRADES PRIOR TO ROUGH-IN. COORDINATE LUMINAIRE MOUNTING HEIGHTS AND LOCATIONS WITH SHOP EQUIPMENT LAYOUT PRIOR TO ROUGH-IN.

COM*check* Software Version 4.1.1.0

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title:
Project Type: New Construction
Exterior Lighting Zone 2 (Light industrial area with limited nighttime use)

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Parking Lot Areas (Parking area)	58499 ft2	0.06	Yes	3510
Loading Docks (Emergency services, loading area)	14622 ft2	0.5	No	7311
Walkway (Walkway < 10 feet wide)	111 ft of	0.7	Yes	78
			Total Tradable Watts (a) =	3588
			Total Allowed Watts =	10899
			Total Allowed Supplemental Watts (b) =	600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Parking Lot Areas (Parking area 58499 ft2): Tradable Wattage				
S1: DSX1: AREA LIGHT FIXTURE: Other:	1	5	163	815
S1HS: DSX1: AREA LIGHT FIXTURE W/ HS: Other:	1	1	138	138
Loading Docks (Emergency services, loading area 14622 ft2): Non-tradable Wattage				
WP: WST LED: WALL PACK: Other:	1	8	25	200
Walkway (Walkway < 10 feet wide 111 ft of walkway length): Tradable Wattage				
WP: WST LED: WALL PACK: Other:	1	1	25	25
			Total Tradable Proposed Watts =	978

Exterior Lighting PASSES: Design 77% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

A. WIKSTROM - ELC. ENG — Name - Title
Signature
01/23/2020 — Date

Project Title: Report date: 01/23/20
Data filename: P:\Projects\2020\20010 Timberland Storage Yard Site DP\Calculations\EXTERIOR COMCHECK.cc Page 1 of 5

Section	Requirement	Comments
6.2.3 (B)(1)(a)	Light fixtures shall be arranged and positioned such that the light sources are concealed and fully shielded so that no direct light or reflection creates a nuisance or hazard to any adjacent ownership or right-of-way and that up-light, spill-light, glare, and unnecessary diffusion are minimized. Light fixtures, except as otherwise permitted herein, are required to be full cutoff as defined by the Illuminating Engineers Society of North America (IESNA) The cut-off angle of an exterior light source shall not exceed 90 degrees. Full cut-off fixtures may not be tilted or aimed in a manner that results in light distribution above the horizontal plane. The use of semi-cutoff or cutoff (as opposed to full cutoff) fixtures shall be permitted to illuminate areas other than parking lots provided the pole or mounting point is no more than 10' in height and the maximum lumen output does not exceed 1800 lumens per lamp.	Complies: Refer to sheet E610, light fixture specifications and refer to sheet E100, light fixture schedule
6.2.3 (B)(1)(b)	Exterior lighting, including but not limited to floodlights used to light a building façade, shall be reduced, activated by motion sensor devices, or turned off during the principal use's non-operating hours. Lighting necessary for security shall not be subject to this provision.	Not Applicable
6.2.3 (B)(1)(c)	Upward lighting for architectural, landscape or decorative purposes shall have at least 90% of the total distribution pattern within the profile of the illuminated structure or feature. Light fixtures used to illuminate flags, statues, or any other objects mounted on a pole, pedestal, or platform, shall use a narrow cone of light that does not extend beyond the illuminated object.	Not Applicable
6.2.3 (B)(1)(d)	Maximum on-site lighting levels shall not exceed 10 foot candles, except for loading and unloading platforms where the maximum lighting level shall be 20 foot candles.	Complies: Refer to sheet E100 for area statistics. E. Parking Lot maximum: 6.9 fc W. Parking Lot maximum: 6.9 fc Employee Parking Lot maximum: 7.6 fc Exterior Building South maximum: 8.6 fc South Patio maximum: 0.1 fc Yard maximum: 0.8 fc
6.2.3 (B)(1)(e)	Light levels measured at the property line of the development site adjacent to residential property or public right of way shall not exceed 0.1 foot candles as a direct result of the on-site lighting. All light fixtures mounted within 15' of any residential property line of the site shall be classified as IES Type II or Type III, or fixture demonstrated to provide similar distribution patterns and shielding properties. Fixtures shall be fitted with "house side shield" reflectors on the sides facing the residential property line.	Complies: The property is not adjacent to residential property. Capital Drive Boundery maximum: 0.1fc
6.2.3 (B)(1)(f)	The style of light standards and fixtures shall be consistent with the style and character of architecture proposed on the site. Poles shall be anodized or coated to minimize glare from the light source. Bollards or similar light fixtures intended to illuminate landscape features or walkways are permitted which do not exceed 4 feet in height, 2 fixtures per bollard and 1 lamp not exceeding 900 lumens per fixture.	Complies: Refer to Sheet E612 for pole specifications
6.2.3 (B)(1)(g)	All outdoor light fixtures should utilize one of the following lamp types: metal halide, induction lamp, compact fluorescent, incandescent (including tungsten-halogen), or high-pressure sodium Alternatives are permitted provided they are demonstrated to be more effective for the proposed use based on IESNA recommendations.	Complies: All light fixtures are LED
6.2.3 (B)(1)(h)	Light fixtures associated with canopies, including but not limited to fuel islands, seasonal outdoor sales areas, shopping malls, theaters, bank drive-thrus, and hotels shall be full cutoff or mounted so that the bottom of the lens is recessed or flush with the bottom surface of the canopy. All light emitted from the canopy shall be substantially confined to the ground directly beneath the perimeter of the canopy. No lighting of any kind, except as permitted by sign regulations, shall be allowed on the top or sides of a canopy. The design of the canopy in terms of height above grade, and the spacing between the fixtures within the canopy, shall be such that the illuminance level under the canopy does not exceed 20 foot-candles.	Not applicable
6.2.3 (B)(1)(i)	No lighting shall make it difficult for pilots to distinguish airport lights from others, result in glare in the eyes of the pilots using an aviation facility, impair visibility in the vicinity of an aviation facility or, in any way create a hazard or endanger the landing, take-off, or maneuvering of aircrafts intending to use an aviation facility.	Complies
6.2.3 (B)(2)	No freestanding light fixtures shall be mounted higher than 15 feet, except parking lot light fixtures which shall be mounted no higher than 20 feet unless an alternative lighting proposal is approved in accordance with this Code.	Complies: Refer to sheet E100 Detail 1 All light pole fixtures mounted at 20'-0" AFG for parking lot areas.

DOCUMENTATION PER C408.2.5, 2015 IECC, WILL BE PROVIDED

ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTION
A/AMP	AMPERES
AC	ALTERNATING CURRENT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
BFC	BELOW FINISHED CEILING
BWE	BAKED WHITE ENAMEL
C	CONDUIT
CCT	CIRCUIT
CL	CEILING MOUNTED
COFF	COFFEE/ESPRESSO MACHINE
D, DED	DEDICATED
DC	DIRECT CURRENT
(E), (EX), EX	EXISTING
EC	EMPTY CONDUIT
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EVCS	ELECTRIC VEHICLE CHARGING STATION
EXT.	EXTERIOR
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METALLIC CONDUIT
FPN	FUSED PER NAMEPLATE
(F)	FUTURE
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HACR	HEATING, AIR CONDITIONING, REFRIGERATION RATED DEVICE
HP	HORSEPOWER
HPRS	HORSEPOWER RATED SWITCH
IMC	INTERMEDIATE METALLIC CONDUIT
INT.	INTERIOR
J-BOX	JUNCTION BOX
KAIC	KILOAMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
K.E.C.	KITCHEN EQUIPMENT CONTRACTOR
KV	KILOVOLTS
KVA	KILOVOLT-AMPS
KW	KILOWATT
MA	MILLIAMP
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MM	MILLIMETER
MTD	MOUNTED
MW	MICROWAVE
(N)	NEW
N	NEUTRAL CONDUCTOR (GROUNDED CIRCUIT CONDUCTOR)
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
P	PHASE OR POLE
PNL	PANELBOARD
P.O.S.	POINT OF SALE SYSTEM
PVC	POLYVINYL CHLORIDE CONDUIT (SCHEDULE 40)
(R)	RELOCATED
REF	REFRIGERATOR
SEC	SECTION
T, XFMR	TRANSFORMER
UC	UNDER COUNTER
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLTAGE OR VOLTS
W	WATTS
WP	WEATHERPROOF
WT	WIRING TROUGH

ELECTRICAL SHEET INDEX

SHEET	TITLE
E001	ELECTRICAL LEGEND
E100	ELECTRICAL SITE PLAN
E610	ELECTRICAL FIXTURE SPECIFICATION
E611	ELECTRICAL FIXTURE SPECIFICATIONS

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TIMBERLAND LANDSCAPING, INC
NEW CONSTRUCTION
3499 CAPITAL DRIVE
COLORADO SPRINGS, CO 80939

REVISIONS

MARK	DATE	COMMENT
1	01/23/2020	100% EPC SUBMITTAL

SHEET TITLE
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SHEET
E001

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LIGHT FIXTURE SCHEDULE

Label	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Fixture	Wattage
WP	Lithonia Lighting	WST LED P2 40K VW MVOLT	WST LED, Performance package 2, 4000 K, visual comfort wide, MVOLT	LED	1	3511	25
S1	Lithonia Lighting	DSX1 LED P6 40K T3M MVOLT	DSX1 LED P6 40K T3M MVOLT	LED	1	18492	163
S1HS	Lithonia Lighting	DSX1 LED P5 40K T3S MVOLT HS	DSX1 LED P5 40K T3S MVOLT with houseside shield	LED	1	13145	138

STATISTICS

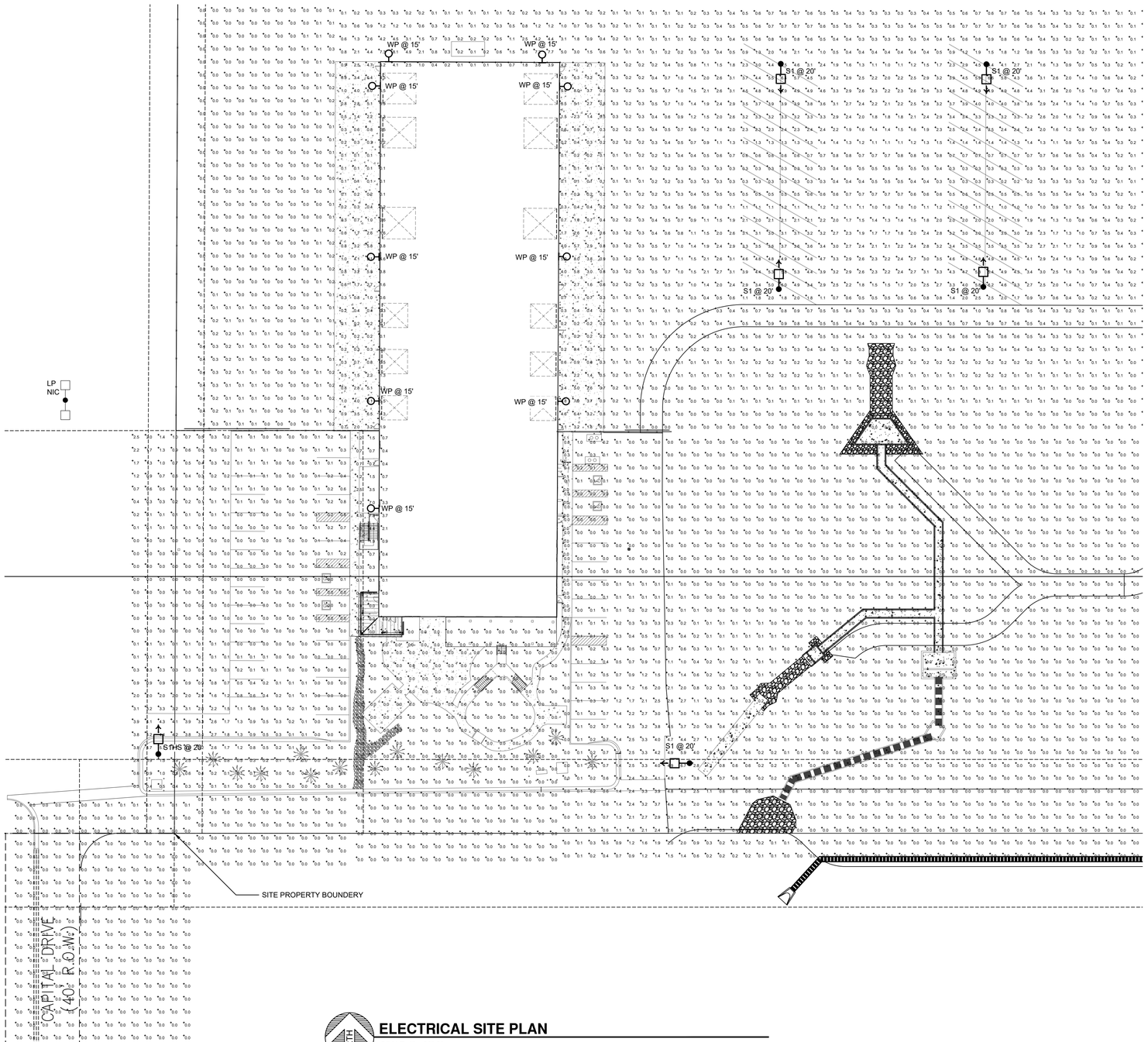
Description	Avg	Max	Min
Capital Drive	0.0 fc	0.1 fc	0.0 fc
Employee Parking	0.9 fc	6.6 fc	0.0 fc
Exterior Building	0.7 fc	7.8 fc	0.0 fc
Loading Zone	1.2 fc	8.1 fc	0.0 fc
Parking West	0.2 fc	6.7 fc	0.0 fc
Patio	0.0 fc	0.0 fc	0.0 fc
West Parking Lot	0.4 fc	5.1 fc	0.0 fc
YARD	0.0 fc	0.4 fc	0.0 fc

GENERAL PHOTOMETRY NOTES

A. THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND 0.92 LIGHT DEPRECIATION FACTOR.

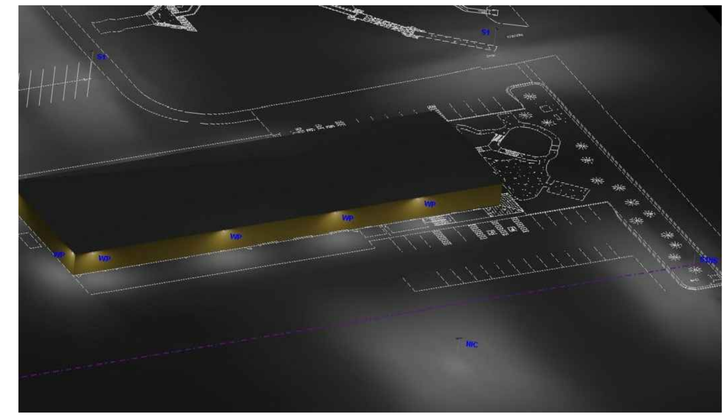
B. ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOTCANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS, SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE DEVELOPMENTS.

C. THIS PLAN IS BASED ON THE INFORMATION AVAILABLE. THE LUMINAIRE LOCATIONS SHOWN MUST BE COORDINATED WITH EXISTING OR FUTURE FIELD CONDITIONS.



ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"



2 SITE LIGHTING RENDER VIEW

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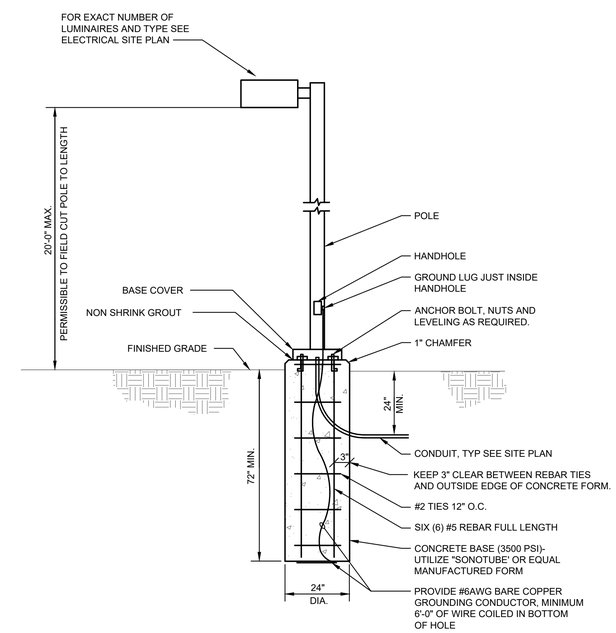

1 TYPICAL POLE BASE DETAIL LOW BASE

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NEW CONSTRUCTION
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ELECTRICAL SITE PLAN

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PROJECT	20010
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SHEET

E100

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SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness[1]	Mounting[2]	Options	Finish[10]
SSS	10'-30' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.) 20 *	4C 4" Dia (.1196") 4G 4" Dia (.1793") 5C 5" Dia (.1196") 5G 5" Dia (.1793") 6G 6" Dia (.1793") See technical information table for complete ordering information.)	**Tenon mounting** PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) **KAC/KAD/KSC/KSD/VER/VUT Drill mounting[3]** DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° **CSD/DSD/KSD/AERC™/SMERC™/HLA/KAS Drill mounting[3]** DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° **RAD drill mounting[3]** DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM32RAD 3 at 120° DM39RAD 3 at 90° DM49RAD 4 at 90° **AERC™ Suspend drill mounting[3]** DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° **SMERC™ Suspend drill mounting[3]** DM19SMT_ 1 at 90° DM28SMT_ 2 at 180° DM29SMT_ 2 at 90° DM39SMT_ 3 at 90° DM49SMT_ 4 at 90°	**Shipped installed** LJ6B Less anchor bolts (Include when anchor bolts are not needed) VD Vibration damper TP Tamper-resistant handhole cover fasteners HArq Horizontal arm bracket (1 fixture)[11, 9] FDLxy Festoon outlet less electrical[9] CPL12/xy 1/2" coupling[9] CPL34/xy 3/4" coupling[9] CPL1/xy 1" coupling[9] NPL12/xy 1/2" threaded nipple[9] NPL34/xy 3/4" threaded nipple[9] NPL1/xy 1" threaded nipple[9] EHHxy Extra handhole[9,7] MAEX Match exciting[9] USPOM United States point of manufacture[9] IC Interior coating[9] UL UL listed with label (includes NEC compliant cover) NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) **Shipped separately** (replacement kit available) (blank) FRC Full base cover (plastic) (blank) TC Top cap (blank) HHC Handhole cover	**Standard colors** DDBSD Dark bronze DWHXD White DBLXD Black DMBRXD Medium bronze DNAXD Natural aluminum **Classic colors** DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue **Architectural Colors and Special Finishes[7]** Galvanized, Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:
1. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
2. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
3. Refer to the fixture spec sheet for the correct drilling/template pattern and orientation compatibility.
4. Insert "1" or "2" to designate fixture size, e.g. DM19AST2.
5. Specify location and orientation when ordering option. For "A" - Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-". *Example: SH-5 and 20ft Sin = 20-5*
6. Refer to the Mounting Orientation Handhole (A,B,C,D) Refer to the Handhole Orientation diagram below. *Example: 1/2" coupling at 3 & 7 orientation C = CPL12/3-6C*
7. Combination of tenon top and drill mount includes extra handhole.
8. Must add original order number of existing pole(s).
9. Use when drill certifications are required.
10. Provides enhanced corrosion resistance.
11. Additional colors available; see www.lithonia.com/architect or Architectural Colors brochure (Form No. TML23). Available by formal quote only, consult factory for details.

LITHONIA LIGHTING POLE-SSS

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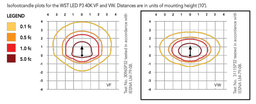
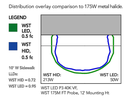
Photometric Diagrams

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

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE
The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

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 IP65 rating for the luminaire.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides enhanced corrosion resistance. Application of the finish by a five-stage pretreatment process ensures a minimum 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
Well-crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEEDᵐ and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

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

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/resources/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.

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A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED

Series	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT[1] 120[2] 240[2] 277[2] 347[2] 480[2]	**Shipped included** (blank) Surface mounting bracket **Shipped separately** BBW Surface-mounted back box[3] PBBW Premium surface-mounted back box[3,4]

Options			Finish (required)
Shipped installed NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights[5,6] NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights[5,6] PE Photoelectric cell, button type[6] PER NEMA twist-lock receptacle only (controls ordered separate)[4,6] PER5 Five-wire receptacle only (controls ordered separate)[4] PER7 Seven-wire receptacle only (controls ordered separate)[4] PIR Motion/Ambient Light Sensor, 8-15' mounting height[5,6] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[5,6] PIRH 180° motion/ambient light sensor, 15-30' mounting height[5,6] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[5,6] SF Single fuse (120, 277, 347V)[6] DF Double fuse (208, 240, 480V)[6] DS Dual switching[6] DMG 0-10V dimming extend out back of housing for external control (control ordered separate)[6] E7WH Emergency battery backup, Non CEC compliant (7W)[13]	E7WC Emergency battery backup, CA Title 20 Noncompliant (10W)[13] E7WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W)[13,14] E20WH Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS[13] E20WC Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS[13,15] E23WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W)[13,14,16] LCE Left side conduit entry[9] RCE Right side conduit entry[9] **Shipped separately** RBPW Retrofit back plate[7] VG Vandal guard[7] WG Wire guard[7]	**Standard colors** 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

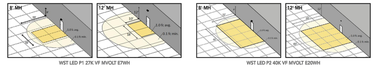
Ordered and shipped separately.
WSTRETPBKW DDBXD U Premium Surface - mounted back box
WSBBW DDBTXD U Surface - mounted back box
RBPW DDBXD U Retrofit back plate

NOTES
1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3. Also available as a separate accessory; see accessories information.
4. Top conduit entry standard.
5. Not available with VG or WG. See PER Table.
6. Reference Motion Sensor table.
7. Need to specify 120, 208, 240 or 277 voltage.
8. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
9. Not available with Emergency options, PE or PER options.
10. DMG option not available with standalone or networked sensors/controls.
11. Not available with 347/480V.
12. Battery pack rated for -20° to 40°C.
13. Comes with HBG.
14. Not available in 3 years.
15. Not available with BBW.
16. Must order with fixture; not an accessory.

Emergency Battery Operation

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 backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.
The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH WST LED P2 40K VF MVOLT E20WH

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SSS Square Straight Steel Poles

SSS 20 4C

TECHNICAL INFORMATION — EPA (ft2) with 1.3 gust

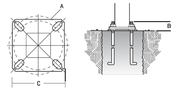
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in, x Top in, x ft.)	Wall thick (in)	Gauge	EPA (ft²) with 1.3 gust 80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	Bolt circle (in)	Bolt size (in, x in, x in.)	Approximate ship weight (lbs.)
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8—9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8—9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8—9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8—9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8—9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8—9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8—9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10—12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10—12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8—9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8—9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10—12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10—12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8—9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	110	2	50	--	--	10—12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10—12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11—13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10—12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11—13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11—13	1 x 36 x 4	605

* EPA values are based UCS 3-10 wind map. For 12 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

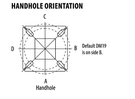
BASE DETAIL

POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base diameter C	Base plate thickness	Template description	Anchor bolt description	Anchor bolt and template number	Anchor bolt description
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE/P500004	ABF80-0	ABS55-4C	3/4"x18"x3"
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE/P500004	ABF80-0	ABS55-4G	3/4"x30"x3"
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE/P500010	ABF86-0	ABS55-5	1"x36"x4"
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE/P500011	ABF86-0	N/A	1"x36"x4"



HANDHOLE ORIENTATION



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

LITHONIA LIGHTING POLE-SSS

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LITHONIA LIGHTING

FEATURES & SPECIFICATIONS

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

CONSTRUCTION — Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

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

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

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

Anchor Base/ Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

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

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

WARRANTY — 1-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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

Catalog Number	
Notes	
Type	

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

See footnotes next page.

OUTDOOR POLE-SSS

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	Factor	Fixture Mounting Factor
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	0.98

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Electrical Load

Performance package	System Watts	Current (A) 120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
	29	0.25	0.13	0.11	0.1	---	---
P2	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
P3	50	0.42	0.24	0.21	0.19	---	---
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

*For use with site wide Dusk to Dawn control

PER Table

Control	PER (3 wire) Hot	Neutral	Dim 0/10vac	PER7 (7 wire) Hot	Neutral	Dim 0/10vac
Photocontrol Only (On/Off)	✓	▲	Wired to dimming leads on driver	▲	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	▲	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion	⊘	▲	Wired to dimming leads on driver	▲	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	⊘	▲	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	⊘	▲	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended
⊘ Will not work
▲ Alternate

*Futureproof means: Ability to change controls in the future.

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.

Performance Package	Lumens per LED (Nominal)	Distribution	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
			3K (3000K) 70 CRI					4K (4000K) 70 CRI					5K (5000K) 70 CRI					30K (3000K) 70 CRI				
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
P2	23W	VF	3,163	1	0	1	137	3,237	1	0	1	139	3,469	1	0	1	150	3,468	1	0	1	150
		VW	3,201	1	0	0	138	3,276	1	0	0	141	3,512	1	0	0	152	3,512	1	0	0	152
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
		VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134

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WST LED

Architectural Wall Sconce

Catalog Number	
Notes	
Type	

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

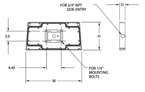
Specifications

Luminaire

Height: 8-1/2" (21.59 cm)
Width: 17" (43.18 cm)
Depth: 10-3/16" (25.9 cm)
Weight: 20 lbs (9.1 kg)

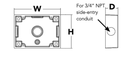
Optional Back Box (PBBW)

Height: 8.49" (21.56 cm)
Width: 17.01" (43.21 cm)
Depth: 1.70" (4.32 cm)



Optional Back Box (BBW)

Height: 4" (10.2 cm)
Width: 5-1/2" (14.0 cm)
Depth: 1-1/2" (3.8 cm)



Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background2

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

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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.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI) Lumens	B	U	G	LPW	40K (4000 K, 70 CRI) Lumens	B	U	G	LPW	50K (5000 K, 70 CRI) Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	18,018	3	0	3	110	19,229	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,187	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,681	3	0	3	108	19,049	3	0	3	117	19,296	3	0	3	118
				T4M	17,299	3	0	3	106	18,615	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,194	4	0	2	112	19,596	4	0	2	121	20,816	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,296	3	0	3	105	20,890	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,896	3	0	3	102	20,141	3	0	3	110	20,396	3	0	3	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,790	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	247W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,546	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,875	3	0	4	103	26,791	3	0	4	111	27,128	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,585	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,043	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

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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	Lumens Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
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. Projections are based on 36,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLE, 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	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings

Option	Dimmed State	High Level (when Occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	30-37.5%* Output	100-109%* Output	Enabled at 5FC	5 min.	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	30-37.5%* Output	100-109%* Output	Enabled at 5FC	5 min.	3 sec	5 min

*For use when motion sensor is used as dusk to dawn control.

Control 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 wired with other controls options that need the 0-10V leads
DS	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 eLight AIR as a more cost effective alternative.
PERS or PERS7	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 iNEMA.	Pins 4 & 5 to dimming leads on drivers; Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensor with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting.	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIR1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	eLight 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 eLight Eclipse.	eLight Air nGSGR	eLight AIR sensors can be programmed and commissioned from the ground using the CLAIRity Pro app.

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Ordering Information

Accessories

Ordered and shipped separately.

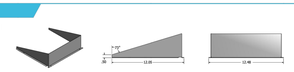
DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) *
DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) *
DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) *
DSHORT SBK U Shorting cap *
DSHR MS SC U House-side shield for P1, P2, P3, P4 and P5 *
DSHS MS AC U House-side shield for P6 and P7 *
DSHS MS SC U House-side shield for P6, P6, P7, P7, P8 and P9 *
PUMBA DDBXD U Square and round pole universal mounting bracket (specify finish) *
KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) *
DSX1EGS EWGSHS U External glare shield

For more control options, visit and EXPERT online.

NOTES
1 P13, P13, P13 or P13 and rotated optics (LRO, IRW) only available together.
2 Any Type 5 distribution, is not available with HMA.
3 Not available with HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Motion sensor and photocell are intended for indoor mounting and protected from weather only. 1.5 G vibration load rating per ANSI C136.31.
7 Must order fixture with DMA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
8 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
9 Not ordered with NLTAIR2. For more information on eLight Air 2, visit this link.
10 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
11 Not available with P6, P7, P8, P9, P13 or P13 and rotated optics. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
12 DMG not available with PIRHN, PIRS, PERS, PER7, PIR, PIRH, PIR1FC3V, or PIRH1FC3V.
13 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PERS, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
14 Not available with Motion Sensor options. Not available with 347/480V. Not available with 5KV surge protection.
15 Reference Motion Sensor table on page 4 for coverage patterns.
16 Reference controls options table on page 4 to see functionality.
17 Not available with other dimming controls options
18 Not available with NLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
19 Must be ordered with fixture for factory pre-drilling.
20 Requires luminaire to be specified with PER, PERS or PER7 option. See PER Table on page 3.
21 For retrofit use only

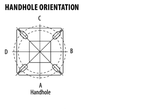
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION

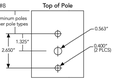


Tenon Mounting Slipfitter

Tenon O.D.	Mounting Type	Ordering Tag	0 x 90	0 x 180	0 x 270	0 x 360	1 x 120	1 x 90	2 x 90	4 x 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490			
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490			
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320					
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490			
	SPUMBA	AST25-190	AST25-280		AST25-320					
	RUPUMBA	AST25-190	AST25-280		AST25-320					
4"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490			
	SPUMBA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490			
	RUPUMBA	AST25-190	AST25-280		AST25-320					

Template #8

Top of Pole



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 A, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DWY9A5	DW2A5G	DW2V4G	DW2V4S	DW32U5	DW4V4G

Drilling Template	#8	#9	#15	#25	#35
SPA	#8	2-7/8"	3.5"	3.5"	3"
RPA	#8	2-7/8"	3.5"	3.5"	3"
SPUMBA	#5	2-7/8"	3"	4"	4"
RPUMBA	#5	2-7/8"	3.5"	3"	3.5"

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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.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI) Lumens	B	U	G	LPW	40K (4000 K, 70 CRI) Lumens	B	U	G	LPW	50K (5000 K, 70 CRI) Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,785	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,025	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,085	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	1	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,557	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,295	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,575	1	0	2	94	10,110	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,431	3	0	3	107	14,458	3	0	3	116	14,645	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,687	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,039	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,629	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,719	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,372	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	2	0	3	115	16,040	2	0	3	117
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,963	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,963	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

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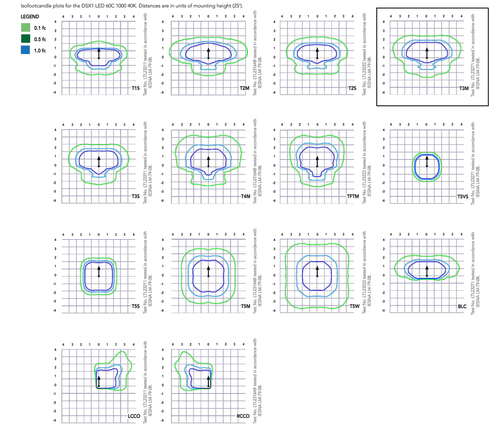
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isofootcandle plots for the DSX1 LED 40C 1000 40K. Distances are in units of mounting height (25').

LEGEND
0.1 fc
0.5 fc
1.0 fc



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 P2 P5 P8 P3 P6 P9 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium TSVS Type V very short[2] T5S Type V short[2] T5M Type V medium[2] T5W Type V wide[2] BLC Backlight control[3] LCCO Left corner c

CIVIL CONSULTANTS, INC.

102 E. Pikes Peak, STE 500
Colorado Springs, CO 80903
Mail to: PO Box 1360
Colorado Springs, CO 80901
719.955.5485

November 15, 2019

Gabe Sevigny
Project Manager
El Paso County, Planning and Community Development
2880 International Circle, Suite 110
Colorado Springs, CO 80910

RE: Timberline Landscaping Storage Yard - 8110 Opportunity View - Site Development Plan Amendment

TIMBERLINE STORAGE YARD is located in the southeast quarter of the southwest quarter of Section 28, Township 13 South, Range 65 West of the 6th P.M. in El Paso County, Colorado. The site is bound to the north, south, and east by vacant parcels of land and to the west by an existing light industrial/storage and maintenance yard.

The parcel in its entirety consists of 37.95 acres and is currently zoned "M" for industrial. The site consists of 37.95 acres for storage yard, an office/warehouse building, asphalt, curb, lighting, landscaping and an access road.

The development is for a new 96'x300' footprint of office/warehouse for Timberline Landscaping, Inc. parking, and outdoor storage. One is planned for public use and one as an employee parking area. The building is mixed use of 17,921 sf of commercial office space and with 17,848 sf of warehouse. The site also includes a gravel yard to be utilized as a parking, storage and maintenance yard. The site includes a half street (24' asphalt width) along with curb and gutter improvements of Opportunity View.

Utilities for this project includes; the extension of the 8" sanitary sewer main and 8" water main to the east and shall provide services to the Timberline Landscaping Storage Yard project, Utility stubs are also provided to the property directly north of the dead end of the existing the Capital Drive for future connection. A Sand/Oil interceptor was installed to provide drainage for the Wash Bay. These plans were approved by PPRBD. The utilities are owned and maintained by Cherokee Metropolitan District.

An Amendment to the Drainage Report has been prepared and submitted for review to serve as the Amended Final Drainage Report for TIMBERLINE STORAGE YARD. The purpose of this report is to identify the revised conditions per the Amended Site Development Plan. The Drainage Report also reflects the revised drainage patterns at the southwest corner of the property. An easement has been obtained from the adjacent property owner to the west for cross access and drainage. (See Easement Uploaded to EPC)

Per meeting held with El Paso County Planning and Community Development on October 30, 2019, Capital Drive is not required to be widened by this application, no traffic study is required, and no drainage easement is required to be provided from the downstream property owner. However, a Traffic Study will be provided for a city project in the general area affecting the same intersections.

The site is currently developed with the building constructed, as well as the asphalt parking areas, landscaping, etc... The purpose of this submittal is to update the boundaries of development, number of parking spots, landscaping and size of the full spectrum detention pond. The previously approved plans and construction drawings were used to achieve the current land development status.

FINANCIAL ASSURANCE ESTIMATE FORM - (FAE) An updated 2019 FAE document is provided for the adjacent Dwire Pond. The current FAE can be amended for completeness of work.

MS4 POST CONSTRUCTION FORM - The previous form was submitted as to not cause confusion of multiple forms for the same project. A new one can be provided if necessary.

FLOOR PLANS & LIGHTING PLAN - The previous plans were provided. To my knowledge, nothing has changed in these two documents. - These plans have been update per EPC comments.

DETENTION MAINENANCE AGREEMENT - A document was uploaded for the Dwire Pond.

The following documents have been updated to show the Amended plans and changes from what was previously approved;

Construction Drawings (Pond & Storm),
Landscape Plans,
Grading & Erosion Control Plan,
SWMP,
Site Development Plan,
SDI Worksheet,
PDB/BMP Operations & Maintenance Manual.

Should you require any additional information, please contact me at 719-491-0818.

Sincerely,

Virgil A. Sanchez

Virgil A. Sanchez, P.E.
M&S Civil Consultants, Inc.