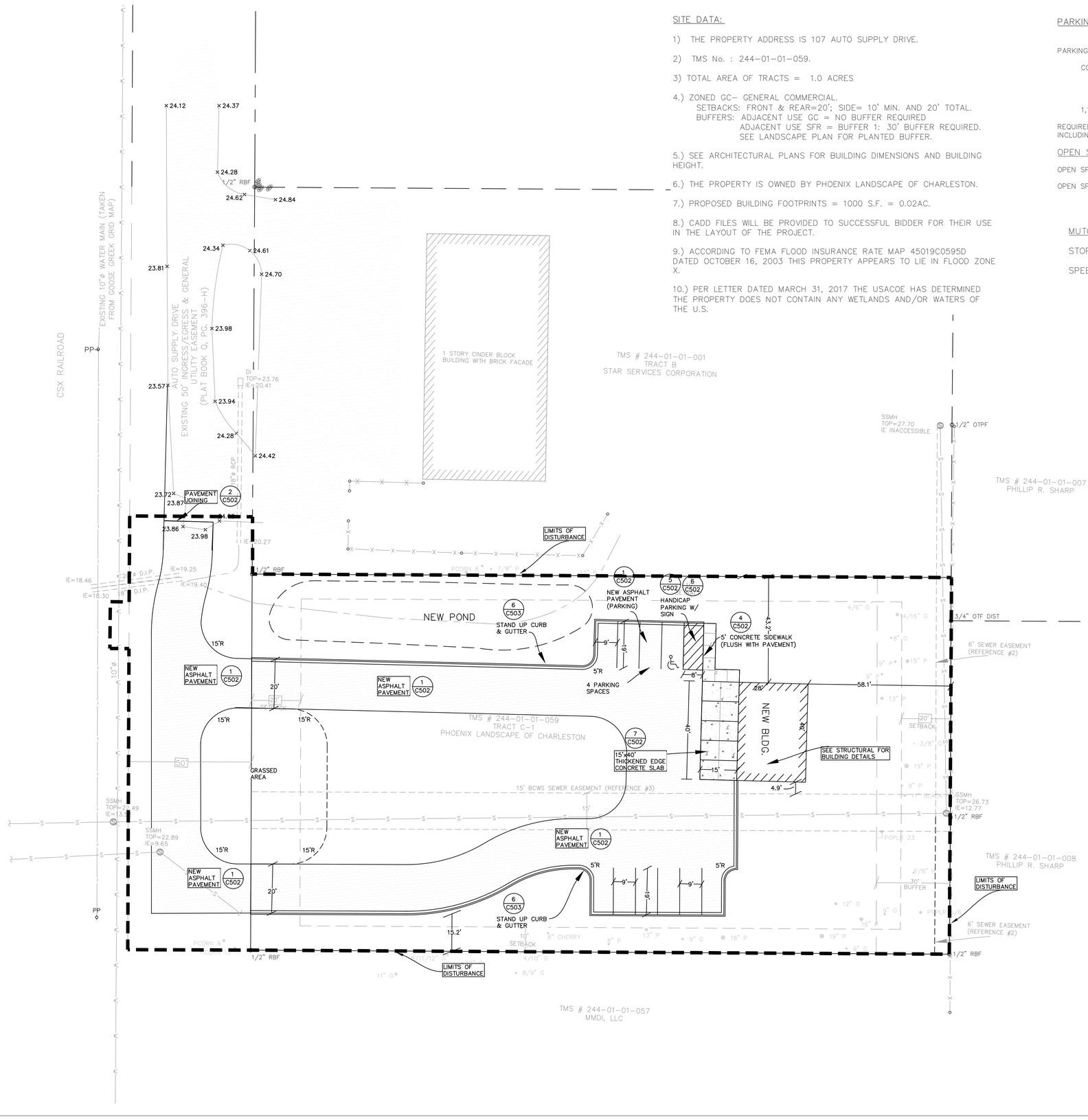


SITE DATA:

1) THE PROPERTY ADDRESS IS 107 AUTO SUPPLY DRIVE.

2) TMS No. : 244-01-01-059.

3) TOTAL AREA OF TRACTS = 1.0 ACRES

4.) ZONED GC- GENERAL COMMERCIAL.
SETBACKS: FRONT & REAR=20'; SIDE= 10' MIN. AND 20' TOTAL.
BUFFERS: ADJACENT USE GC = NO BUFFER REQUIRED
ADJACENT USE SFR = BUFFER 1: 30' BUFFER REQUIRED.
SEE LANDSCAPE PLAN FOR PLANTED BUFFER.

5.) SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND BUILDING HEIGHT.

6.) THE PROPERTY IS OWNED BY PHOENIX LANDSCAPE OF CHARLESTON.

7.) PROPOSED BUILDING FOOTPRINTS = 1000 S.F. = 0.02AC.

8.) CADD FILES WILL BE PROVIDED TO SUCCESSFUL BIDDER FOR THEIR USE IN THE LAYOUT OF THE PROJECT.

9.) ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45019C0595D DATED OCTOBER 16, 2003 THIS PROPERTY APPEARS TO LIE IN FLOOD ZONE X.

10.) PER LETTER DATED MARCH 31, 2017 THE USACOE HAS DETERMINED THE PROPERTY DOES NOT CONTAIN ANY WETLANDS AND/OR WATERS OF THE U.S.

PARKING ANALYSIS:

PARKING REQUIRED:

COMMERCIAL SPACE - 1 PER 250 SF (EXCLUDING STORAGE)

BUILDING SF - 1,120 GSF

1,120 SF/250 = 4.5 = 5 SPACES REQUIRED.

REQUIRED PARKING WILL BE PROVIDED. SEE SITE PLAN. 10 SPACES PROVIDED INCLUDING 1 HANDICAP SPACE.

OPEN SPACE:

OPEN SPACE PLANTED = 0.1 ACRES

OPEN SPACE REQUIRED TO BE PLANTED = 0.01 ACRES

MUTCD 2009

STOP SIGN - R1-1

SPEED LIMIT - R2-1

GRAPHIC SCALE

20 0 20 40

(IN FEET)
1 inch = 20 ft.

South Carolina 811 Call 811 Before You Dig

NOTICE:
CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS. THIS PLAN DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING DIGGING OPERATIONS. CALL PALMETTO UTILITIES PROTECTION SERVICE AT 1-888-721-7877 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING. ANY UTILITIES UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.

FORSBERG ENGINEERING AND SURVEYING, INC.
1587 SAVANNAH HIGHWAY SUITE B
P.O. BOX 1075
CHARLESTON, SOUTH CAROLINA 29417
(843) 571-2622 FAX (843) 571-6780
CIVIL ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
FORSBERG ENGINEERING & SURVEYING, INC.
No. C00343

NEW SITE PLAN

107 AUTO SUPPLY DRIVE

BERKELEY COUNTY, CITY OF GOOSE CREEK, SOUTH CAROLINA

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
29925
GADSDEN A. LINTON III

GADSDEN A. LINTON III

DATE
MAY 1, 2017

DRAWN/CHECKED
TL/DCF

LAST REVISED
SEPTEMBER 26, 2017

APPROVED
TL

SCALE
1"=20'

PROJECT NO.
5076

SHEET NUMBER
C300

OF TOTAL

Userdrafting6 Date/Time: Sep 26, 2017 - 11:26am Filename:D:\2015 CIVIL 3d\5076 Auto Supply Bldg\SITE PLANS.dwg

50) Pink Muhly Grass

Limits of Disturbance

6' Sewer Easment

30'

New Pond

5' Concrete Sidewalk

New Asphalt Pavement (Parking)

TREE/LSCAPE AT END OF PARKING

New Asphalt Pavement

New Gravel Pavement

30' Plant Buffer

TREE/ LANDSCAPE AT END OF PARKING

New Building

150'

Grassed Area

MOVE NEW PLANTED TREES OUTSIDE OF EASEMENT - NO NEW TREES PLANTED IN EASEMENT

TREE/LSCAPE AT END OF PARKING

Overflow Gravel Parking

Sewer Line and 15' Easment

Limits of Disturbance

330'

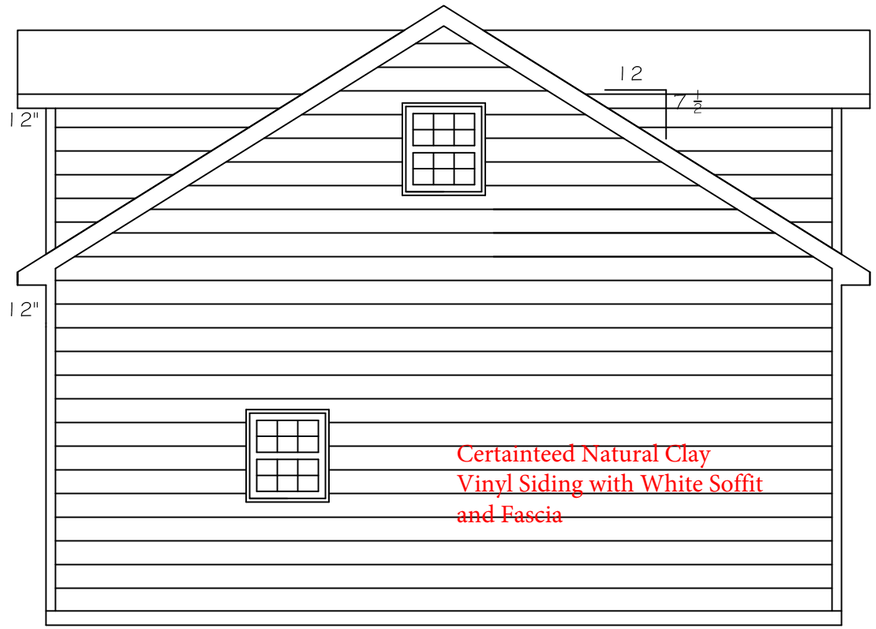
Plant Legend			
Symbol	Qty	Common	Botanical
	6	American Holly	Ilex opaca
	6	Coast Live Oak	Quercus agrifolia
	9	Dwarf Burford Holly	Ilex cornuta 'Burfordii Nana'
	80	Maiden Grass	Miscanthus sinensis
	6	Serviceberry 'Rainbow Pillar'	Amelanchier canadensis 'Rainbow Pillar'
	25	Wax-leaf Ligustrum	Ligustrum lucidum

PHOENIX LANDSCAPE MANAGEMENT

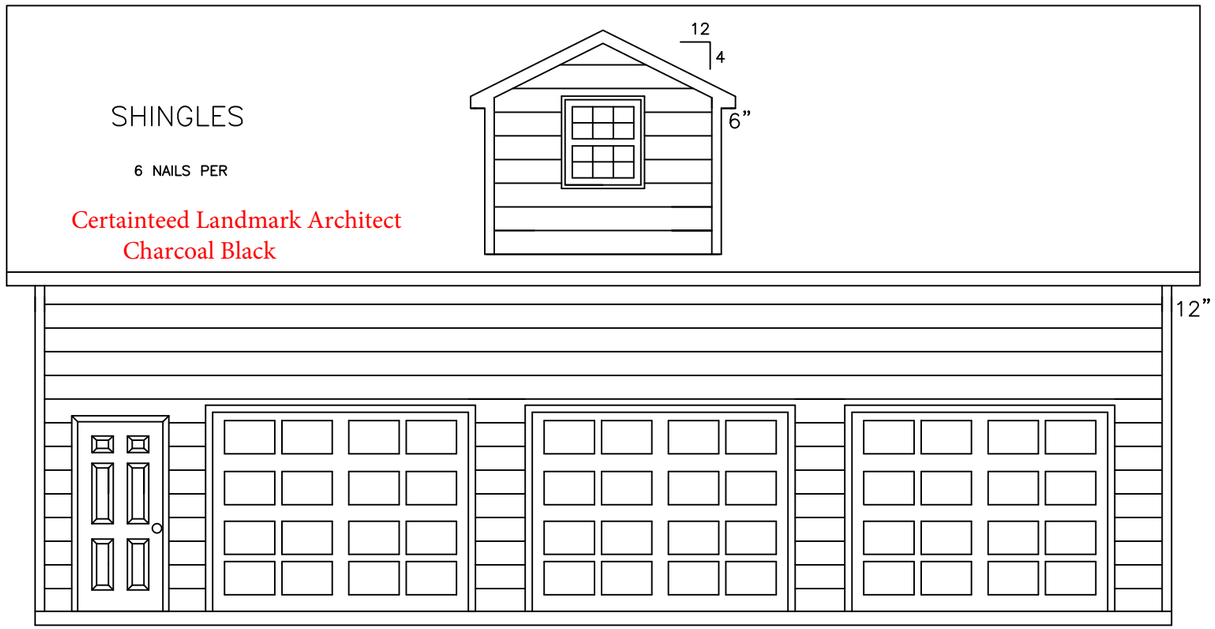
Phoenix Landscape of Charleston, SC

Prj ect: Landscape Buffer Design

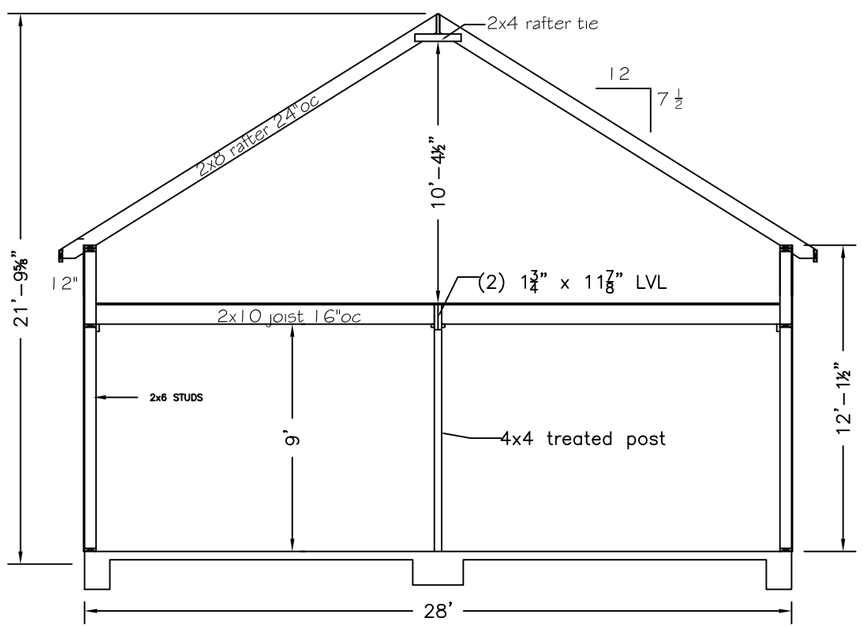
Date: August 2017

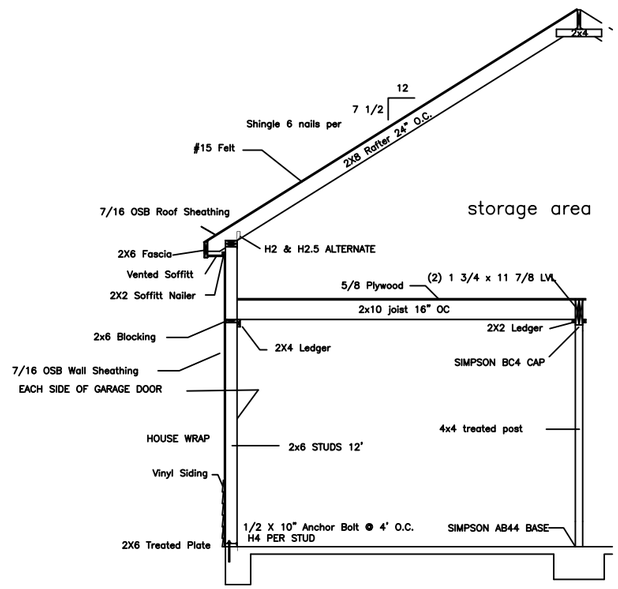


LEFT SIDE ELEVATION

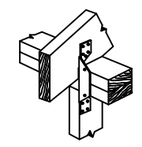


FRONT ELEVATION

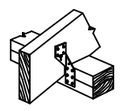




WALL DETAIL



Simpson Strong-Tie
H2



Simpson Strong-Tie
H2.5

JARVIS CONSTRUCTION, INC. 843 875 3575

REVISIONS	BY

SOUTH CAROLINA
CERTIFICATE OF AUTHORIZATION
D. E. FRANKLIN
ECO ENGINEERING & CONSTRUCTION, INC.
No. C01395

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 6798
8-30-17
D. E. FRANKLIN

ECO ENGINEERING & CONST. INC.
P. O. Box 31821
CHARLESTON, SC
843 571 3672

28x40 Garage
Studio12 B LH

DRAWN
FWJ
CHECKED

DATE
8/13/17

SCALE-11X17
3/16"=1'-0"

SHEET
S1.0
STRUCTRUAL
OF SHEETS

Welcome to
Goose Creek Village
Box-Mart

LANDSCAPE AREA TABULATION

DEVELOPED AREA	213,000 SF
LANDSCAPE AREA REQUIRED	21,300 SF (10%)
LANDSCAPED AREA PROPOSED	36,000 SF (16.9%)

PLANTING LEGEND

- CHINESE ELM (CANOPY)
- PIN OAK(CANOPY)
- HORNBEAM (UNDERSTORY)
- FRINGE TREE (UNDERSTORY)
- SWITCHGRASS (SHRUB)
- DWARF YAUPON HOLLY (SHRUB)
- INDIAN HAWTHORN (SHRUB)

NEW BUILDING #1
6,500 Sq. Ft.
FFE: 30.7
100.0'
65.0'

NEW BUILDING #2
7,475 Sq. Ft.
FFE: 30.7
115.0'
65.0'
PATIO

NEW BUILDING #3
4,225 Sq. Ft.
FFE: 30.7
65.0'
65.0'
PATIO

NEW BUILDING #4
4,225 Sq. Ft.
FFE: 30.7
65.0'
65.0'
PATIO

NEW BUILDING #5
7,800 Sq. Ft.
FFE: 30.7
120.0'
65.0'

NEW DETENTION POND

N
W
E
SCSPCS
NAD 83

30 0 15 30 60 120
(IN FEET)

HOYT + BERENYI
P.O. Box 1470 Ladson, SC 29456
843.408.3546 | www.HoytBerenyi.com

SOUTH CAROLINA
HOYT
+
BERENYI
No. 3909
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
N.
M. HOYT
PRELIMINARY

DRAWINGS FOR:

Goose Creek Village

TMS #234-00-00-047
City of Goose Creek, SC

REV	DATE	DESCRIPTION	BY

DRAWN BY:	Dean L. Cooper, P.E.
CHECKED BY:	Kyle M. Hoyt, P.E.
DATE:	August 8, 2017
PROJECT #:	16-027
SCALE:	1" = 30'

SHEET TITLE:
Landscape Plan

SHEET NUMBER:
L1

08F12

Lumark

DESCRIPTION

The Prevail LED area, site luminaire combines optical performance, energy efficiency and long term reliability in an advanced, patent pending modern design. Utilizing the latest LED technology, the Prevail luminaire delivers unparalleled uniformity resulting in greater pole spacing. A versatile mount standard arm facilitates ease of installation for both retrofit and new installations. With energy savings greater than 62%, the Prevail fixture replaces 150-450W metal halide fixtures in general area lighting applications such as parking lots, walkways, roadways and building areas.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. A one-piece silicone gasket seals the door to the fixture housing. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31) to insure strength of construction and longevity in the selected application.

Optics
Precision molded, high efficiency optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Available in Type II, III, IV and V distributions with lumen packages ranging from 6,100 to 18,900 nominal lumens. Light engine configurations consist of 1 or 2 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/60,000 hours at 25°C) per IESNA TM-21. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

Electrical
LED drivers are mounted to the fixture for optimal heat sinking and ease of maintenance. Thermal management incorporates both conduction and convection to transfer heat rapidly away from the LED source for optimal efficiency and light output. Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Available in 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10 kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture to accommodate controls capability such as dimming and occupancy. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options.

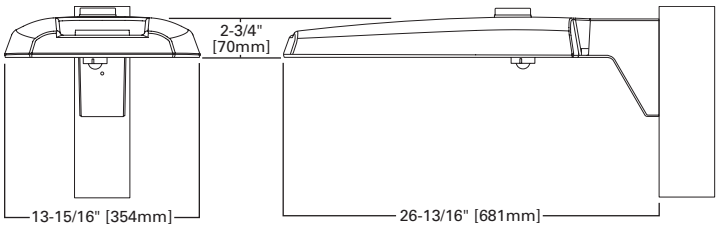
Controls
The Prevail LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. An integrated dimming and occupancy sensor is a standalone control option available in on/off (MSP) and bi-level dimming (MSP/DIM) operation. The optional LumaWatt Pro system is best described as a peer-to-peer wireless network of luminaire-integral sensors that operate in accordance with programmable profiles. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication.

Mounting
Standard pole mount arm is bolted directly to the pole and the fixture slides onto the arm and locks in place with a bolt facilitating quick and easy installation. The versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting. Wall mount and mast arm mounting options are available. Mast arm adapter fits 2-3/8" O.D. tenon.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, grey, black, dark platinum and graphite metallic.

Warranty
Five-year warranty.

DIMENSIONS



PRV PREVAIL

LED

AREA / SITE / ROADWAY LUMINAIRE

CERTIFICATION DATA
UL and cUL Wet Location Listed
IP66-Rated
3G Vibration Rated
ISO 9001
DesignLights Consortium® Qualified*

ENERGY DATA
Electronic LED Driver
0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 and 60Hz,
347V/60Hz, 480V/60Hz
-40°C Minimum Temperature Rating
+40°C Ambient Temperature Rating

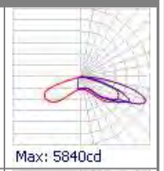
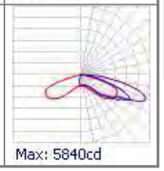
EPA
Effective Projected Area (Sq. Ft.): 0.75

SHIPPING DATA
Approximate Net Weight:
20 lbs. (9.09 kgs.)

Powering Business Worldwide

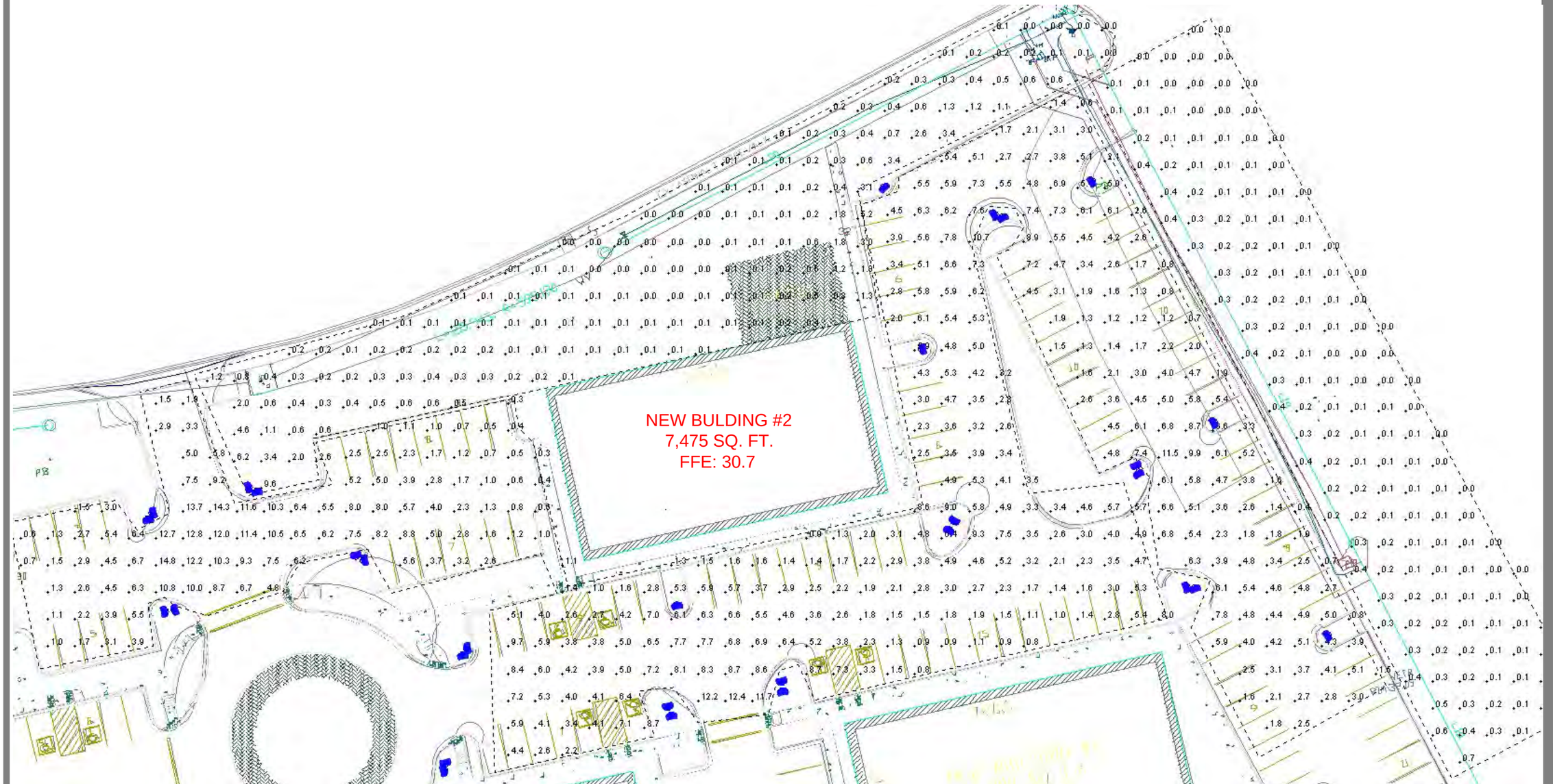
*www.designlights.org

Schedule

Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot
	A	19	PRV-A25-D-UNV-T4-BZ	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K LEDS AT 60% STANDARD LUMENS AND TYPE IV OPTICS, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		2	5132	1	87	 Max: 5840cd
	B	38	PRV-A25-D-UNV-T4-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K LEDS AT 60% STANDARD LUMENS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		2	4676	1	87	 Max: 5840cd

ZONE 1

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	4.3 fc	14.8 fc	0.3 fc	49.3:1	14.3:1
PROPERTY	+	0.1 fc	0.7 fc	0.0 fc	N/A	N/A
SIDEWALK/ROAD	+	0.6 fc	9.6 fc	0.0 fc	N/A	N/A



Current View

VISUAL

GOOSE CREEK VILLAGE
SITE LIGHTING
ZONE 1

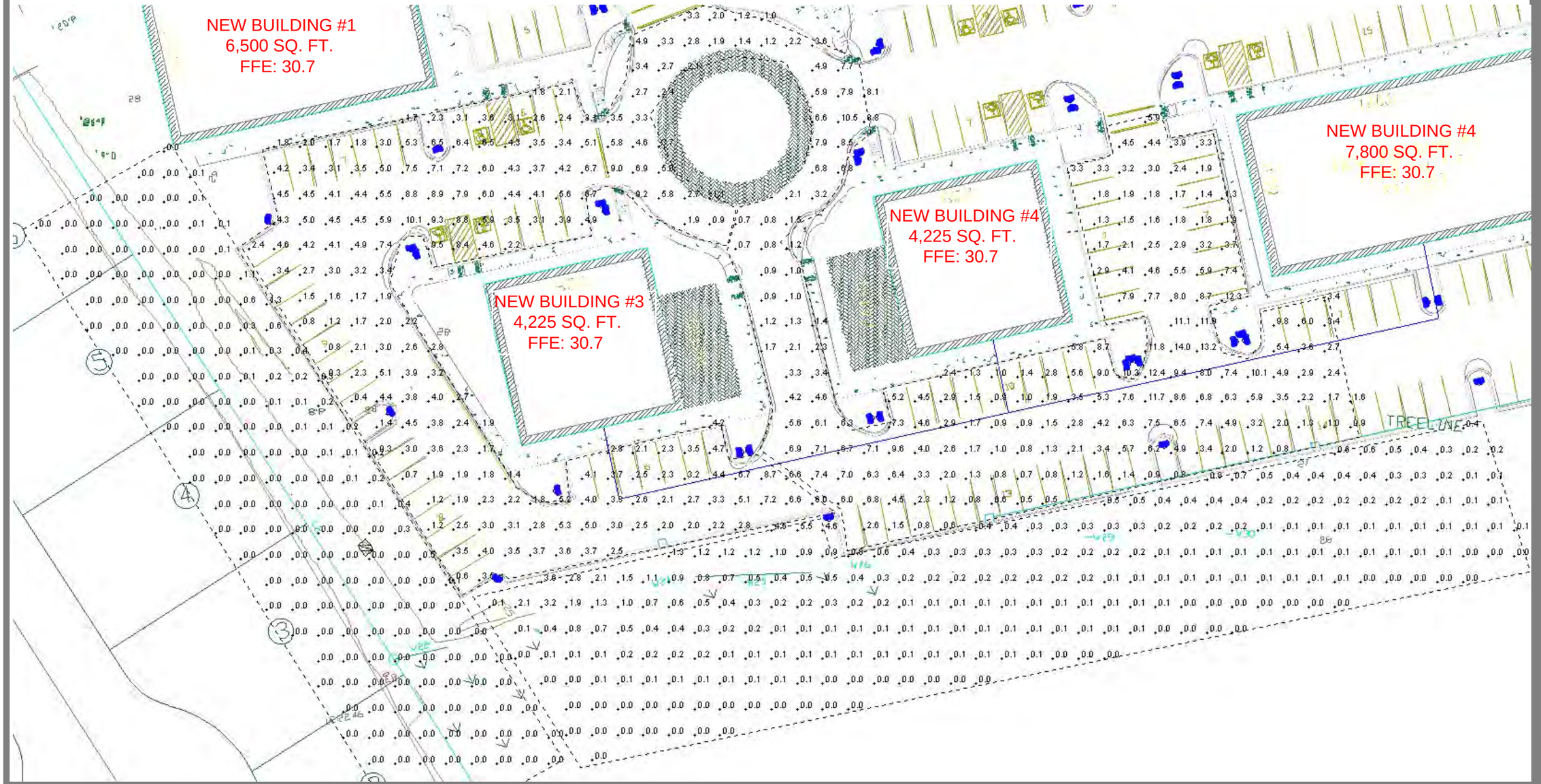
Designer
SLC
Date
9/25/2017
Scale
Not to Scale
Drawing No.
17127
Summary

Schedule

Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot
	A	19	PRV-A25-D-UNV-T4-BZ	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K LEDS AT 60% STANDARD LUMENS AND TYPE IV OPTICS, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		2	5132	1	87	Max: 5840cd
	B	38	PRV-A25-D-UNV-T4-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K LEDS AT 60% STANDARD LUMENS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		2	4676	1	87	Max: 5840cd

ZONE 2

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	3.9 fc	14.0 fc	0.3 fc	46.7:1	13.0:1
PROPERTY LINE	+	0.0 fc	1.3 fc	0.0 fc	N/A	N/A
WETLAND	+	0.3 fc	5.5 fc	0.0 fc	N/A	N/A



Current View

VISUAL

GOOSE CREEK VILLAGE
SITE LIGHTING
ZONE 2

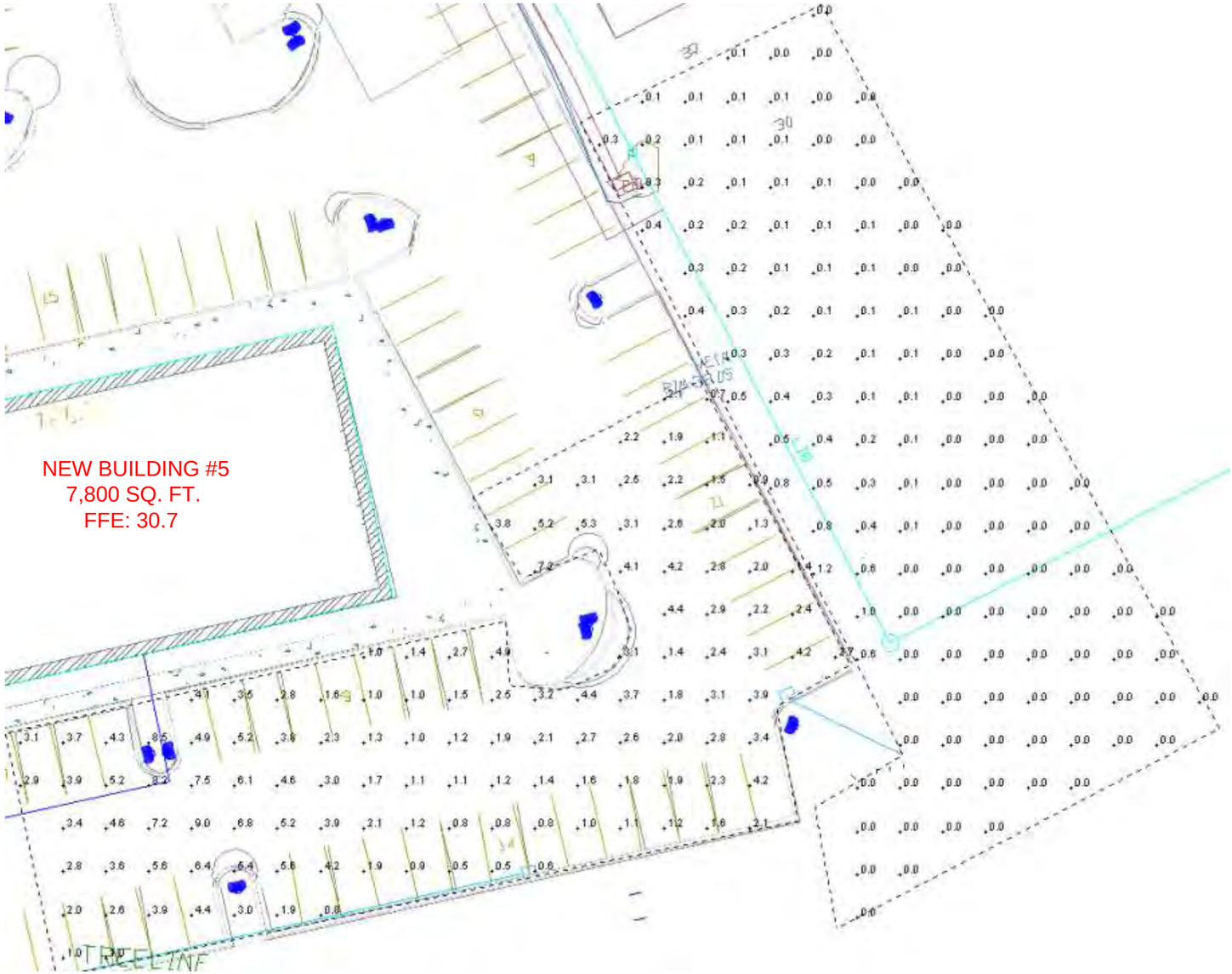
Designer
SLC
Date
9/25/2017
Scale
Not to Scale
Drawing No.
17127
Summary

Schedule

Symbol	Label	QTY	Catalog Number	Description	Number Lamps	Lamp	Lumens per Lamp	LLF	Wattage	Polar Plot
	A	19	PRV-A25-D-UNV-T4-BZ	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K LEDS AT 60% STANDARD LUMENS AND TYPE IV OPTICS, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	2		5132	1	87	Max: 5840cd
	B	38	PRV-A25-D-UNV-T4-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K LEDS AT 60% STANDARD LUMENS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	2		4676	1	87	Max: 5840cd

ZONE 3

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	2.9 fc	9.0 fc	0.5 fc	18.0:1	5.8:1
PROPERTY	+	0.1 fc	1.2 fc	0.0 fc	N/A	N/A



Current View

VISUAL

GOOSE CREEK VILLAGE
SITE LIGHTING
ZONE 3

Designer
SLC
Date
9/25/2017
Scale
Not to Scale
Drawing No.
17127
Summary