LANDSCAPE BUFFER TABLE - HOTEL

PROPERTY CORNER	TO	PROPERTY CORNER	TYPE OF BUFFER	BUFFER WIDTH	BUFFER REQUIREMENTS	LENGTH OF PROPERTY LINE OR RIGHT OF WAY	NUMBER OF PLANTINGS REQUIRED (MIN)	SPECIES
①		②	Ornamental Landscaping buffer to compatible use	7'	1 tree per 30 l.f. of property line and 1 shrub per 10 l.f. property line	535 l.f.	11 trees and 54 shrubs	Alternate groups of 4 Russian Olives and Wax Leaf Ligustrum (Pruned for Tree) along property line
②		③	Ornamental Landscaping buffer to compatible use	7'	1 tree per 30 l.f. of property line and 1 shrub per 10 l.f. property line	93 l.f.	4 trees and 10 shrubs	Alternate groups of 4 Russian Olives and Wax Leaf Ligustrum (Pruned for Tree) along property line
③		④	Ornamental Landscaping buffer to compatible use	7'	1 tree per 30 l.f. of property line and 1 shrub per 10 l.f. property line	125 l.f.	5 trees and 13 shrubs	Alternate groups of 4 Russian Olives and Wax Leaf Ligustrum (Pruned for Tree) along property line
④		⑤	Ornamental Landscaping buffer along right of way for commercial zone dev.	10'	1 tree per 10 l.f. of property line and 1 shrub per 10 l.f. property line	293 l.f.	30 trees and 30 shrubs	Use Wax Leaf Ligustrum (Pruned for Tree), along with mix of Hollywood Junipers and Black Pines. (See Note 1 below)
⑤		⑥	Ornamental Landscaping buffer to incompatible use	7'	Dense vegetative screen Planting Height = 30" minimum Height at maturity = 6' minimum Plant Spacing = 2.5' on center	660 l.f.	264	Alternate groups of 4 Russian Olives and Wax Leaf Ligustrum along property line (See Note 2 below)
⑥		⑦	Ornamental Landscaping buffer along right of way for commercial zone dev.	10'	1 tree per 10 l.f. of property line and 1 shrub per 10 l.f. property line	200 l.f.	20 trees and 20 shrubs	Use Wax Leaf Ligustrum (Pruned for Tree), along with mix of Hollywood Junipers and Black Pines. (See Note 1 below)

LANDSCAPE BUFFER TABLE - OCEANFRONT

PROPERTY CORNER	TO	PROPERTY CORNER	TYPE OF BUFFER	BUFFER WIDTH	BUFFER REQUIREMENTS	LENGTH OF PROPERTY LINE OR RIGHT OF WAY	NUMBER OF PLANTINGS REQUIRED (MIN)	SPECIES
⑦		⑧	Ornamental Landscaping buffer to incompatible use	7'	Dense vegetative screen Planting Height = 30" minimum Height at maturity = 6' minimum Plant Spacing = 2.5' on center	300 l.f. (To toe of Dune)	120	Alternate groups of 4 Russian Olives and Wax Leaf Ligustrum along property line (See Note 2 below)
⑧		⑨	Ornamental Landscaping buffer along right of way for OIR zone development	10'	1 tree per 30 l.f. of property line and 1 shrub per 10 l.f. property line	200 l.f.	4 trees and 10 shrubs	Use Wax Leaf Ligustrum (Pruned for Tree), along with mix of Hollywood Junipers and Black Pines. (See Note 1 below)
⑨		⑩	Ornamental Landscaping buffer to incompatible use	7'	Dense vegetative screen Planting Height = 30" minimum Height at maturity = 6' minimum Plant Spacing = 2.5' on center	275 l.f. (To toe of Dune)	110	Alternate groups of 4 Russian Olives and Wax Leaf Ligustrum along property line (See Note 2 below)

LANDSCAPE BUFFER TABLE - NOTES

Note 1 – Ornamental landscaping need not be evenly spaced, but rather dispersed throughout the landscape area to create a natural appearance. In all cases where a fence is constructed, the required landscaped area shall be located between the fence and property line.

Note 2 – Dense vegetative screens shall contain shrubs at least 30 inches high at the time of installation planted two–and–one–half feet on center. The type of shrub used needs to be capable of attaining a height of at least six feet at maturity.

Note 3 – Interior Landscape Island Planting: Within these landscaped areas there shall be a minimum of one small tree per ten parking spaces in addition to other plant materials and ground cover.
Number of parking spaces on Hotel Site = 198, Minimum Number of Trees = 20
Use a mix of Black Pines and Crype Myrtles (use Crype Myrtles in protected areas only)

REFER TO KILL DEVIL HILLS TOWN CODE, SECTION 153.073 "LANDSCAPING REQUIREMENTS" FOR ADDITIONAL INFORMATION

LED AREA LIGHTS - LSI MIRADA (XALM)

US & Int'l. patents pending

DISTRIBUTION/PERFORMANCE - Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, 5W and FT. Internal Louver (IL) option available for improved back-light control without sacrificing street side performance.

ENERGY SAVING CONTROL OPTIONS - DIM - 0-10 volt dimming enabled with controls by others. Available with integrated LSI Controls wireless modules.

OCCUPANCY SENSING (MS) – Optional integral passive infrared motion and daylight sensor activates switching of luminaire light levels. High level light is activated and increased to full bright upon detection of motion. Low light level (30% maximum drive current) is activated when target zone is absent of motion activity for ~2 minutes. Sensor is located on the center of the access cover and has a detection cone of approximately 45°.

EXPECTED LIFE - Over 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.

LEDS - Select high-brightness LEDs in 5000K, 4000K, and 3000K color temperature, 70 CRI.

HOUSING - Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath. Fixture sealed to IP65.

MOUNTING - Tapered rear design allows fixtures to be mounted in 90° and 120° configurations without the need for extension arms. Use with 3" reduced drilling pattern. Wall mount brackets are available for direct mounting to wall.

ELECTRICAL - Two-stage surge protection (excluding separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277 VAC (50/60Hz input), and 347-480 VAC. Optional PCR and photocells (PC) are available in 120, 208, 240, 277, 347 and 480 volt (supply voltage must be specified).

DRIVER - Available in SS (Super Saver), HO (High Output) and VHO (Very High Output) drive currents. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F)

FINISH - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.

SHIPPING WEIGHT (in carton) - One fixture: 30 lbs. (13.6 kg).

LISTING - Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.org.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

ARRA compliant · RoHS compliant · CE · cULus · FC · IP65

Fixtures comply with ANSI C136.31-2010 American National Standard for Roadway Lighting Equipment - Luminaire Vibration I 5G requirements.

DOE LIGHTING FACTS
Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit www.lightingfacts.com for specific catalog strings.

LIGHT OUTPUT - XALM

		Lumens (Nominal) Type 2, Type 5W, Type 3 and Type FT	Watts (Nominal)
4000K	SS	18049	154
	HO	29080	242
	VHO	36760	329
3000K	SS	18380	154
	HO	28060	242
	VHO	35060	329
5000K	SS	17160	154
	HO	25300	242
	VHO	31760	329

LED Chips are frequently updated therefore values may increase.

Project Name _____ Fixture Type _____ 05/24/16
Catalog # _____ ©2016 LSI INDUSTRIES INC.

PARKING LOT LIGHTING FIXTURE - LSI MIRADA (XALM)

NOT TO SCALE
COLOR AND FINISH BY OWNER

DECORATIVE LAMP POST

TAPERED SMOOTH POLE

POLE **TS34**
DECORATIVE BASE **D10M-RND**

Whatley a Valmont Company

- Tapered, smooth composite pole shaft
- Direct Embedded and Anchor Base models
- XTREME® elastomeric urethane base cover

Ordering Information

SAMPLE CATALOG NUMBER LOGIC

	B	C	D	E	F
TS34-D10M-RND	16	DE	DGR	40	
TS34-D10M-RND	20	AB	BLK	35	RC
BASE & POLE DESIGN	ABOVE GRADE HEIGHT	INSTALLATION METHOD	COLOR	TENON O.D.	OPTIONS

B ABOVE GRADE HEIGHT

Cat No.	Description
10	10 feet/3.0M
11	11 feet/3.4M
12	12 feet/3.7M
13	13 feet/4.0M
14	14 feet/4.3M
15	15 feet/4.6M
16	16 feet/4.9M
17	17 feet/5.2M
18	18 feet/5.5M
19	19 feet/5.8M
20	20 feet/6.1M
21	21 feet/6.40M
22	22 feet/6.71M

C INSTALLATION METHOD

Cat No.	Description
DE	Direct Embedded
AB	Anchor Base

D COLOR

Cat No.	Description
BLK	Black
MTB	Matte Black
DBZ	Dark Bronze
DGR	Dark Green
HTG	Hunter Green
SLV	Silver
WHT	White
GRY	Grey
CC	Custom color – Please provide a min. 3" x 3" color chip.
RAL	Please provide a four digit RAL color number.

E TENON O.D. (OUTSIDE DIAMETER)

Cat No.	Description
23	2 3/8" (60mm)
27	2 7/8" (73mm)
30	3" (76mm) nominal
35	3 1/2" (89mm)
40	4" (102mm)

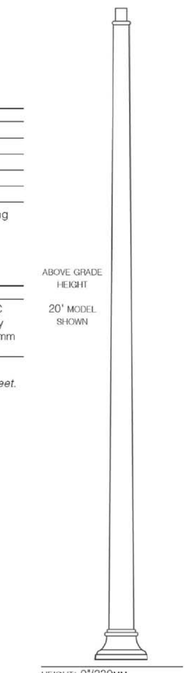
Tenons include a cast decorative ring at the top of the pole

- *For other tenon sizes contact the factory.*

F OPTIONS

Cat No.	Description
RC	Receptacle housing and a NEC approved cover. GFCI receptacle by others. Standard location is 12"/305mm below the top of the pole.

- *Other accessories are shown on the Accessories specification sheet.*



Whatley - Valmont Composite Structures, Inc.
19845 U.S. Highway 76 • Newberry, SC 29108 USA
Tel: 877.959.7678 | 803.276.5507 • Fax: 803.276.8940 • **whatley.com**

PARKING LOT LAMP POST - WHATLEY TAPERED SMOOTH

NOT TO SCALE
USE DIRECT EMBEDDED OPTION WITH 6' MINIMUM EMBED DEPTH
COLOR AND FINISH BY OWNER

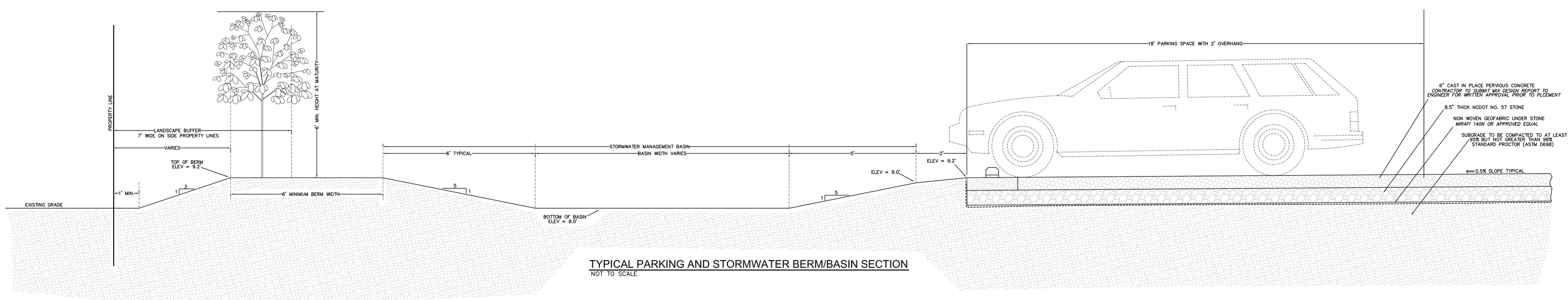
LUMINARE SCHEDULE

REFER TO SITE PLAN FOR POLE LOCATION AND LUMEN ORIENTATION

SYMBOL	QUANTITY	LABEL	DESCRIPTION	ARRANGEMENT	LLF	LUM. WATTS	LUM. LUMENS	MOUNTING HEIGHT
A	19	A	XALM–5W–LED–VHO–50–IL	SINGLE	1.000	313.6	20822	18'–20' ABOVE ADJ. PAVEMENT AS NOTED ON PLAN

Per §153.074(E)(3) All light produced on-site shall be contained within the perimeter of the site by design, orientation or shielding of the light source."

Refer to Report of Subsurface Investigation and Geotechnical Conditions report perpared GET Solutions Inc. for specific site filling and preparation requirements. Report is dated August 12, 2016, GET Project Number EC16-206G



TYPICAL PARKING AND STORMWATER BERM/BASIN SECTION

NOT TO SCALE

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PHONE: 252-255-8026
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NOT FOR CONSTRUCTION
PRELIMINARY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 18994 MICHAEL W. ROBINSON

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROJECT:
FIRST FLIGHT HOTEL, LLC
KILL DEVIL HILLS DARE COUNTY NORTH CAROLINA

DETAIL SHEET 1

DATE: 10–24–16	SCALE: NONE
DESIGNED: MWR	DRAWN: MWR
SHEET: 5 OF 8	
CAD FILE:	
PROJECT NO: 052916	