



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

August 3, 2012

**ADDENDUM #2, BID H-59-12
SUPPLY LIGHTS FOR OCEANSIDE PARKING LOT**

To Whom It May Concern,

Please review the following information and responses to requests for information.

1. Question: Will City of Pompano Beach consider 'or equal' bids from other reputable solar power lighting manufacturers such as SEPCO?

1. Answer: Yes. The City will consider 'or equal' bids from other reputable solar power lighting manufacturers.

2. Question: What is the nominal Wattage of the specified 'turtle friendly' amber LED light fixture?

2. Answer: The specification sheet and IES ratings for the Phillips fixture specified (RX140) is enclosed. The fixture is rated at 70 watts.

The Florida Fish and Wildlife Conservation Commission has temporarily suspended its wildlife lighting certification program and is not accepting any fixtures or bulbs for certification. Bulbs and fixtures not currently on FWCC certified list can still be included in a lighting plan submitted to FWCC for marine turtle review. More information on FWCC sea turtle lighting guidelines can be found on FWCC website: www.myFWC.com

3. Question: What is the specified nightly operation of the solar lighting system? (i.e. Is the LED fixture specified to operate at full intensity all night long...or is the LED light fixture specified to turn off or dim at some point in the night? If the light fixture is specified to dim, at what percentage of full intensity is the light fixture specified to dim?)

3. Answer: The lighting fixture should operate at full intensity during night time hours.

4. Question: Is the specified steel light pole a direct burial or anchor base pole?

4. Answer: The steel pole is an anchor base pole.

The awarded supplier must provide the City with the anchor rod template for pole to allow City to set suitable concrete footing.

5. Question: In order to provide accurate pricing that will be consistent with the specified illumination levels we'll require CAD drawings along with the lighting criteria required.

5. Answer: CAD file showing parking lot layout is enclosed. Reference answer to question 3 which provides information regarding sea turtle marine lighting. The illumination level on surface of parking lot can be no less than 1.0 foot-candles, not to exceed a maximum of 3 foot-candles at parking lot property line and lighting must not be visible from beach.

The deadline for submission of sealed bids is 2:00 p.m., August 16, 2012.

No further technical specification questions will be accepted.

The remainder of the solicitation is unchanged at this time.

Acknowledge receipt of this Addendum in the area provided on Page 13 of the bid.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Leeta Hardin".

Leeta Hardin
General Services Director

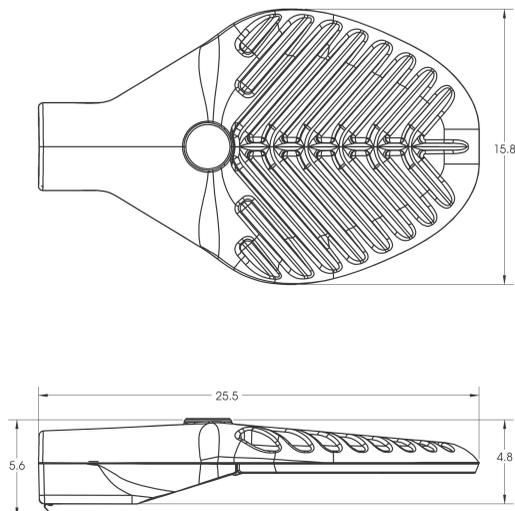
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RX1 LEDGINE (40 LED's) (RX140) Specification Sheet

Project Name:	Location:	MFG: Philips Hadco
Fixture Type:	Catalog No.:	Qty:

Ordering Guide

Example: RX140 A 2 W A M N N S N



Product Code	RX140	RX1 LEDGINE (40 LED's)
Finish	A B H I	Black White Bronze Gray
Optics	2 3 4 5	Type II Type III Type IV Type V
Color Temperature	W N C	3000K 4000K 5700K
Voltage	A	120-277 VAC
Drive Current	M	Multi Tap (350, 530, 700mA) *1
Photo Control	N R	None Twist-lock Receptacle
Dimming Control	N W	None Wireless Controls *2
Surge Suppression	S A	Standard Built In <3kV Additional 10kV/10kA
House Side Shield	N H	None House Side Shield

*1 (M) Multi Tap available in RX140 - ships at 530mA.

*2 (W) Wireless Controls - Consult factory.

Specifications

TOTAL PHILIPS HADCO SYSTEM:

Total end-to-end, vertically integrated Philips Hadco System – Philips Lumileds LEDs, Philips LEDGINE LED platform, Philips Lighting Electronics Advance driver, Philips Hadco luminaire. Our comprehensive extended warranty covers the entire luminaire as shipped from factory.

APPLICATIONS:

The RX1 is the perfect LED solution for roadway lighting and is the ideal luminaire for both new and retrofit installations. Other application locations include: residential streets, city streets, campuses and parking lots. The performance, energy savings, and uniformity of this luminaire allow for it to be a one to one replacement for standard HID cobra-head style luminaires.

CONSTRUCTION:

The housing is constructed of low copper die-cast aluminum with a traditional cobra-head style, low profile and EPA. The housing is a unique thermal dissipating design with wide angular channels that allow for natural removal of dirt and debris. Two tool-less clips allow for access to the driver and wiring compartment; the hinged door opens downward and is removable for serviceability and upgradability, and it includes a safety feature to prevent accidental disengagement. The Philips LEDGINE LED platform has precision designed, injection molded optic plates behind a single tempered glass lens. The lens and lens frame gaskets are robotically applied. Fasteners are made of stainless steel. Internal labeling in accordance with ANSI C136.37.

ELECTRICAL ASSEMBLY:

A large terminal block is directly in line with incoming power wires and accepts up to 4 gauge wire. Grounding is provided and all internal components assembled and prewired with tool-less quick connects.

MOUNTING:

Designed with slip-fitter capable of mounting to a 1.5" to 2.5" O.D. or 1.25" to 2" NPS horizontal tenon or arm (minimum 6" long). Integral cast-in stop. A bubble level is built in as well as mounting steps that allow for a +5° to -5° tilt in 2.5° increments. Single clamp mounting system (NOTE: can be modified for two clamps - consult factory). Mounting clamps are made of HSLA steel and are zinc plated. Fasteners are made of stainless steel. Tenon guard protects against birds and similar intruders.

LED SPECIFICATIONS:

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in-situ thermal testing in accordance with UL1598 and UL8750, data from Philips Lumileds and Philips Advance, and projections from the Philips Lumileds Rebel Reliability Tool, expected to reach 80,000 hours with >L70 lumen maintenance @ 25°C. The Philips LEDGINE uses Philips Lumileds Rebel LEDs. Color temperatures available are ANSI Bins 3000K, 4000K, and 5700K CCT. Multiple distributions are available including Type 2, 3, 4 and 5.

RX1 LEDGINE (40 LED's) (RX140) Specification Sheet

Project Name:	Location:	MFG: Philips Hadco
Fixture Type:	Catalog No.:	Qty:

ELECTRONIC DRIVER:

Integral Philips Lighting Electronics Advance XITANIUM LED driver. Standard driver provides universal voltage input from 120-277VAC, 50-60Hz. All XITANIUM LED drivers are RoHS compliant. The LED driver has <3kV surge suppression built in, 10kV / 10kA is an additional option (see Ordering Guide and OPTIONS). The LED driver is installed on the enclosure door, keeping it mechanically and thermally separated from the housing which doubles as the LED array heat sink. This allows LED driver case temperatures to remain well below the maximum rated temperature for enhanced reliability and lifetime. Driver has integral protection against over temperature (ex: "day burners"), open circuit (OCV) and short circuit (SCC) conditions. Multi Tap driver available - ships at 530mA.

FINISH:

Thermoset polyester powdercoat is electrostatically applied after a five-stage conversion cleaning process and bonded by heat fusion thermosetting. Laboratory tested for superior weatherability and fade resistance in accordance with ASTM B117 specifications. Powdercoat is 3.0 - 6.0 mil thickness. Textured finish.

OPTIONS:

Optional integral surge suppression device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground. Enclosure for surge suppression device is constructed of high temperature, flameproof material with an 85°C maximum surface temperature rating. The device consists of a thermally protected transient overvoltage circuit and is designed for use with universal voltage ballasts and drivers. There is an option for a 360° rotatable twist lock photocell receptacle in accordance with ANSI C136.10. Wireless Controls options are available – contact the factory for details.

IP RATING:

IP66: Dust-tight and sealed against direct jets of water. No Ingress of dust. Will withstand 26.4 gallons of water per minute. Water projected in powerful jets shall not enter the enclosure in harmful quantities. The LED optics chamber is IP66 rated. The LED driver is IP66 rated.

CERTIFICATIONS:

UL8750 and UL1598 compliant. ETL and cETL Listed to U.S. and Canadian safety standards for wet locations. Manufactured to ISO 9001:2008 Standards. Vibration tested to ANSI C136.31 for Bridge Applications. Luminaire photometric testing performed in accordance with IESNA LM-79 guidelines. Photometric .ies files that include "LM79" in the file name are verified by an independent NVLAP accredited lab. LEDs tested by an ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM-21. RoHS compliant LEDs and LED drivers.

ANSI:

In accordance with the following ANSI standards: ANSI/NEMA C78.377; ANSI/IEEE C62.45; ANSI C136.2, C136.3, C136.10, C136.14, C136.15 (when applicable), C136.22, C136.25, C136.31, C136.37. Surpasses ANSI C136.37 IP rating, L70 hours and EPA requirements.

WARRANTY:

5 year extended warranty

ACCESSORIES:

House Side Shield - can be ordered as an accessory, see RX1-HSS specification sheet. Replacement lens - contact factory.

AWARDS & RECOGNITIONS:

Buy American and ARRA Compliant - commercially available off-the-shelf (COTS) product proudly designed and Made in the U.S.A. Listed on the DesignLights™ Consortium (DLC) Qualified Products List (QPL) - see certification letter(s) for details. Product Innovations Award (PIA) winner.

Width:

15.8"

Height :

4.8"

Length:

25.4"

EPA:

.54 sq. ft.

Max. Weight:

19.5 lbs

IESNA Classifications:

See .ies files. Deprecated: Refer to BUG Ratings.

BUG Ratings:

See photometric .ies files for details.

RXI LEDGINE - IES FILE DATA

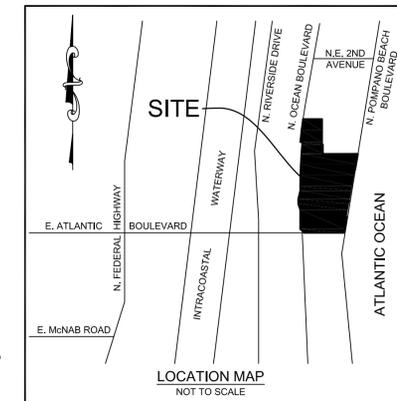
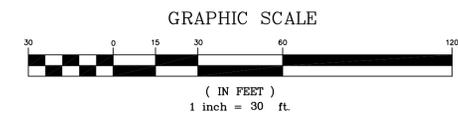
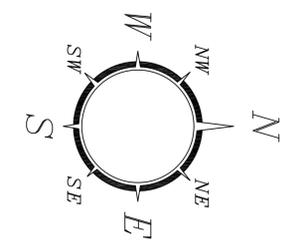
Model Number	mA	Wattage	Delivered Lumens	LPW	Color Temp	BUG (per TM-15-11)
RXI40 2H W A 3	350	45.4	2344	52	3000	B1-U0-G1
RXI40 3H W A 3	350	45.5	2317	51	3000	B1-U0-G1
RXI40 4H W A 3	350	47.1	2461	52	3000	B1-U0-G1
RXI40 5H W A 3	350	45.5	2214	49	3000	B2-UI-G0
RXI40 2H W A 5	530	69.9	3621	52	3000	B1-U0-G1
RXI40 3H W A 5	530	70	3605	52	3000	B1-U0-G1
RXI40 4H W A 5	530	69.7	3497	50	3000	B1-U0-G1
RXI40 5H W A 5	530	69.9	3470	50	3000	B2-UI-G1
RXI40 2H W A 7	700	93.1	3958	43	3000	B1-U0-G1
RXI40 3H W A 7	700	92.9	3906	42	3000	B1-U0-G1
RXI40 4H W A 7	700	92.5	3824	41	3000	B1-U0-G1
RXI40 5H W A 7	700	92.8	3730	40	3000	B2-UI-G1
RXI64 2H W A 5	530	111.8	5445	49	3000	B2-U0-G1
RXI64 3H W A 5	530	111.8	5386	48	3000	B1-U0-G1
RXI64 4H W A 5	530	112.5	5435	48	3000	B1-U0-G1
RXI64 5H W A 5	530	111.8	5173	46	3000	B3-U0-G1
RXI80 2H W A 5	530	138.9	6738	49	3000	B2-U0-G1
RXI80 3H W A 5	530	135.9	6614	49	3000	B2-U0-G1
RXI80 4H W A 5	530	137.2	6354	46	3000	B2-U0-G1
RXI80 5H W A 5	530	139.5	6427	46	3000	B3-UI-G1
RXI40 LM79 2H N A 3	350	46.1	3481	76	4000	B1-U0-G1
RXI40 3H N A 3	350	46.8	3551	76	4000	B1-U0-G1
RXI40 4H N A 3	350	46.6	3466	74	4000	B1-U0-G1
RXI40 5H N A 3	350	46.8	3436	73	4000	B2-UI-G1
RXI40 LM79 2H N A 5	530	72	4803	67	4000	B1-U0-G1
RXI40 3H N A 5	530	69.3	4807	69	4000	B1-U0-G1
RXI40 4H N A 5	530	69	4663	68	4000	B1-U0-G1
RXI40 5H N A 5	530	69.2	4627	67	4000	B3-UI-G1
RXI40 2H N A 7	700	96.3	5927	62	4000	B2-U0-G1
RXI40 3H N A 7	700	96.4	5936	62	4000	B2-U0-G1
RXI40 4H N A 7	700	95.7	5708	60	4000	B2-U0-G1
RXI40 5H N A 7	700	96.3	5706	59	4000	B3-UI-G1
RXI64 LM79 2H N A 5	530	109.2	7298	67	4000	B2-UI-G1
RXI64 LM79 3H N A 5	530	109.2	7189	66	4000	B2-UI-G1
RXI64 4H N A 5	530	109.8	7247	66	4000	B2-U0-G2
RXI64 LM79 5H N A 5	530	109.1	6724	62	4000	B3-UI-G2
RXI80 LM79 2H N A 5	530	135	8741	65	4000	B2-UI-G1
RXI80 LM79 3H N A 5	530	134.7	8711	65	4000	B2-UI-G1
RXI80 4H N A 5	530	135.8	8472	62	4000	B2-U0-G2
RXI80 5H N A 5	530	139.8	8886	64	4000	B3-UI-G2

RXI LEDGINE - IES FILE DATA

Model Number	mA	Wattage	Delivered Lumens	LPW	Color Temp	BUG (per TM-15-11)
RXI40 2H C A 3	350	47.2	3510	74	5700	B1-U0-G1
RXI40 3H C A 3	350	47.1	3426	73	5700	B1-U0-G1
RXI40 4H C A 3	350	47.6	3535	74	5700	B1-U0-G1
RXI40 5H C A 3	350	47.1	3268	69	5700	B2-U1-G1
RXI40 2H C A 5	530	69.8	4783	69	5700	B1-U0-G1
RXI40 3H C A 5	530	69.9	4691	67	5700	B1-U0-G1
RXI40 4H C A 5	530	70.4	4756	68	5700	B1-U0-G1
RXI40 5H C A 5	530	69.8	4482	64	5700	B3-U1-G1
RXI40 2H C A 7	700	97.2	6027	62	5700	B2-U0-G1
RXI40 3H C A 7	700	97.3	5491	56	5700	B2-U0-G1
RXI40 4H C A 7	700	97.6	5822	60	5700	B2-U0-G1
RXI40 5H C A 7	700	97.1	5660	58	5700	B3-U1-G1
RXI64 2H C A 5	530	113.1	7830	69	5700	B2-U0-G1
RXI64 3H C A 5	530	113.2	7713	68	5700	B2-U0-G1
RXI64 4H C A 5	530	113.7	7754	68	5700	B2-U0-G2
RXI64 5H C A 5	530	112.8	7338	65	5700	B3-U1-G2
RXI80 LM79 2H C A 5	530	137.9	9403	68	5700	B2-U0-G2
RXI80 LM79 3H C A 5	530	138	9398	68	5700	B2-U0-G2
RXI80 4H C A 5	530	138.5	8641	62	5700	B2-U0-G2
RXI80 5H C A 5	530	140.9	8963	64	5700	B3-U1-G2

STRUCTURE SCHEDULE						
STRUCTURE NUMBER	RIM ELEVATION	INVERT ELEVATION				FLOOR ELEVATION
		N	S	E	W	
CB-1	6.00	3.00	N/A	N/A	N/A	1.75
CB-2	5.75	2.50	2.75	N/A	N/A	1.70
CB-3	5.50	2.00	2.50	N/A	N/A	1.25
CB-4	5.00	N/A	2.00	N/A	N/A	1.00

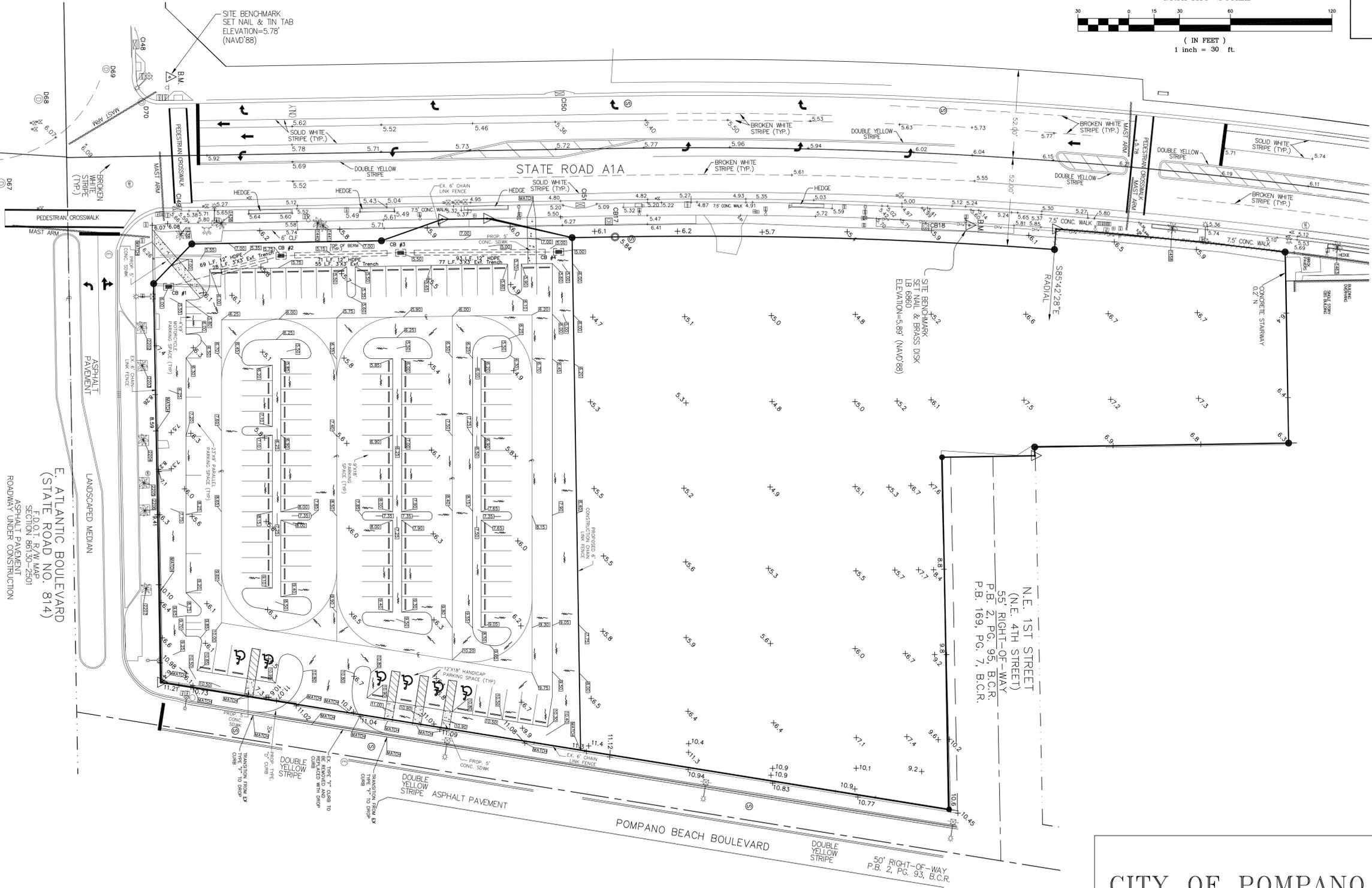
NOTES: CATCH BASINS SHALL BE ADS-NYLOPLAST 24"x37" DITCH BOTTOM OR EQUAL - CONTRACTOR MAY SUBSTITUTE WITH FDOT TYPE "C" WITH APPLICABLE ADS-NYLOPLAST FRAME AND GRATE - CONTRACTOR MAY SUBSTITUTE WITH USF FRAME AND GRATE # 6611



DATE	REVISION
08-17-11	
SCALE	1"=30'
FIELD BOOK	
DESIGN BY	HD
CHECKED BY	



OCEANSIDE PARCEL "A"
PROPOSED PARKING
 CITY OF POMPANO BEACH, FLORIDA



- ABBREVIATION AND SYMBOL LEGEND:**
- B.C.R. BROWARD COUNTY RECORDS
 - CB CATCH BASIN
 - CI CURB INLET
 - CL CHAIN LINK FENCE
 - CONC CONCRETE
 - C&G CURB AND GUTTER
 - F.D.O.T. FLORIDA DEPARTMENT OF TRANSPORTATION
 - FPL FLORIDA POWER & LIGHT
 - INGRESS/EGRESS EASEMENT
 - L.E.E. ARC LENGTH
 - L.B. LICENSED BUSINESS
 - NAVD'88 NORTH AMERICAN VERTICAL DATUM OF 1988
 - O.R.B. OFFICIAL RECORDS BOOK
 - PAGE
 - RADIUS
 - R/W RIGHT-OF-WAY
 - TYP. TYPICAL
 - U.E. UTILITY EASEMENT
 - V.G. VALLEY GUTTER
 - MEASURED DISTANCE
 - PLAN DISTANCE
- [Symbol] BELLSOUTH RISER
 - [Symbol] TRAFFIC SIGNAL BOX
 - [Symbol] SANITARY MANHOLE
 - [Symbol] CATCH BASIN
 - [Symbol] ELECTRIC MANHOLE
 - [Symbol] FIRE HYDRANT
 - [Symbol] WATER GATE VALVE
 - [Symbol] CONCRETE UTILITY LIGHT POLE
 - [Symbol] ELECTRIC HAND HOLE
 - [Symbol] WATER METER
 - [Symbol] GUY WIRE ANCHOR
 - [Symbol] CENTERLINE
 - [Symbol] D68 STORM DRAIN MANHOLE AND STRUCTURE NUMBER (SEE NOTE 15)
 - [Symbol] CURB INLET AND STRUCTURE NUMBER (SEE NOTE 15)
 - [Symbol] SINGLE POST SIGN
 - [Symbol] OHW OVERHEAD WIRE
 - [Symbol] NON-VEHICULAR ACCESS LINE
 - [Symbol] DECORATIVE LIGHT POLE
 - [Symbol] TELEPHONE MANHOLE
 - [Symbol] NAVD'88 HARD ELEVATION IN FEET
 - [Symbol] NAVD'88 SOFT ELEVATION IN FEET
 - [Symbol] SITE BENCHMARK
 - [Symbol] SET 5/8" IRON ROD AND PLASTIC CAP STAMPED "KEITH & ASSOC. LB 6860"
 - [Symbol] SET PARKER KALON NAIL WITH DISK STAMPED "KEITH & ASSOC. LB 6860"
 - [Symbol] PALM TREE

CITY OF POMPANO BEACH

Seal:
 Alessandra Delfico, P.E.
 LIC. NO. 67054
 STATE OF FLORIDA

PAVING, GRADING AND DRAINAGE PLAN
 PARCEL "A", ATLANTIC POINT PLAT NO. 1, PLAT BOOK 169, PAGE 7 AND LOTS 5-8, BLOCK 13, POMPANO BEACH SUBDIVISION, PLAT BOOK 2, PAGE 93 SECTION 31, TOWNSHIP 48 SOUTH, RANGE 43 EAST, BROWARD COUNTY, FLORIDA