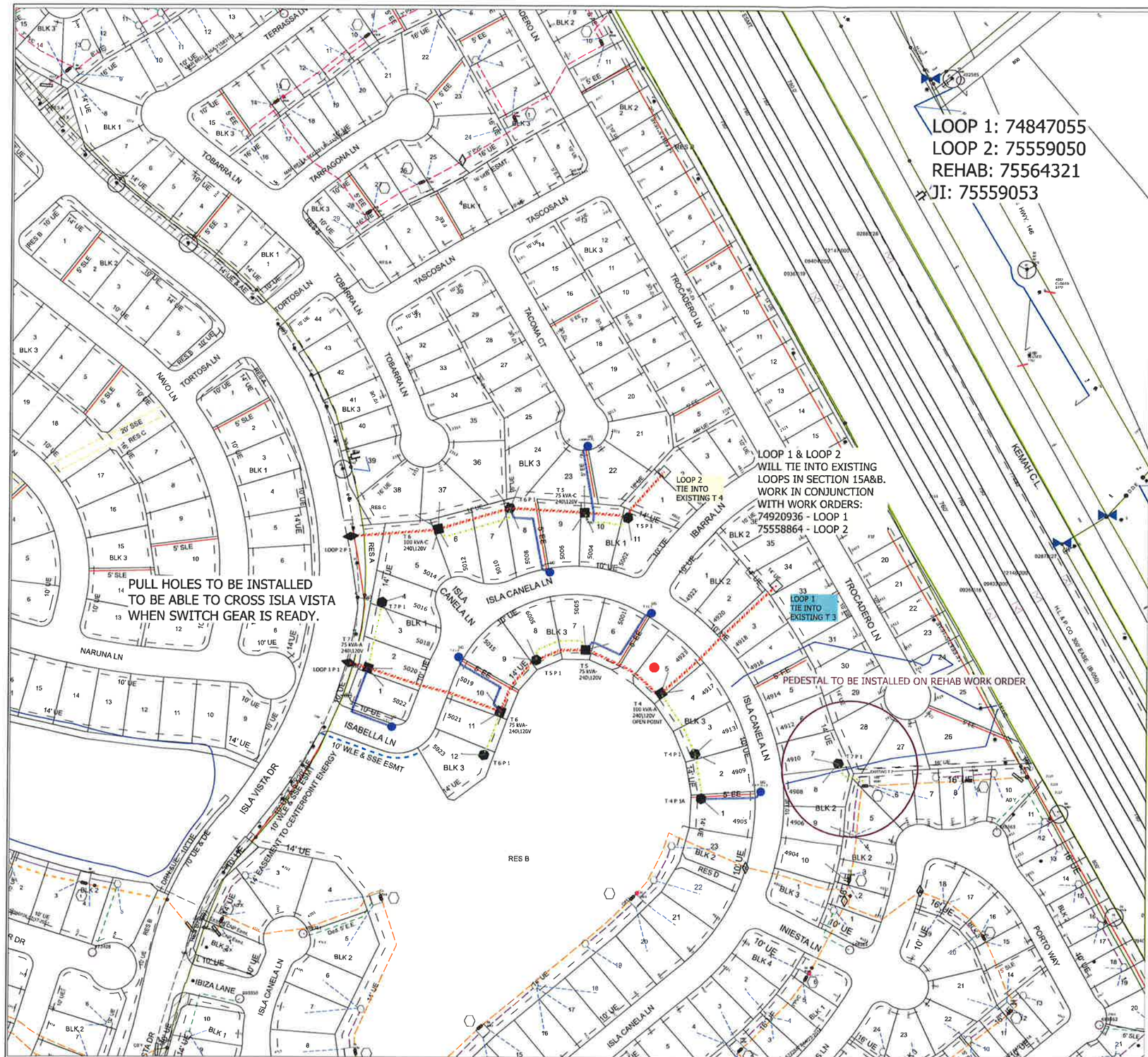


CenterPoint Energy

P. O. BOX 1700 HOUSTON, TEXAS 77001
ELECTRICAL FACILITIES ENGINEERING DEPARTMENT

DEVELOPER APPROVAL

By signing below, I acknowledge that I am the developer, or an authorized representative of the developer, of this project and that I have read and understand all statements, notes, detail drawings, and all attendant contracts and agreements (collectively the "Attachments") furnished to the developer regarding construction of the electrical facilities as indicated on this layout/plat. I understand that if I have not seen and read the materials, I may request a copy of them before I sign below. Further, I understand that by signing below, I agree to all facility locations as depicted on this layout/plat, and that future relocations of any facilities after installation will be performed solely at the cost of the developer/requestor. The developer must furnish copies of this layout/plat to all building/working on this project; builders must furnish copies to all electricians doing construction on premises of this layout/plat. Electricians must wire service connections as shown on this layout/plat unless otherwise approved by an authorized CenterPoint Energy representative.

Signature: Robert Skinner — Printed Name

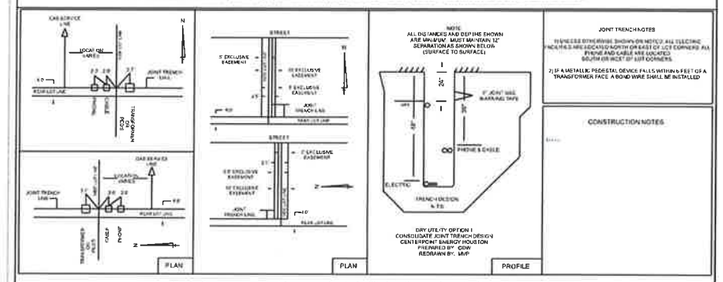
Authorized Agent — Date: 9/24/15

Easement Requirements

The above referenced Easements shall not overlap or overhang planned or existing drainage facilities, pipeline, water, storm or sanitary sewer easements.

- 14' U.E. and Aerial Easement for dry utilities in back-to-back or perimeter locations
- 16' U.E. and Aerial Easement for both wet (potable water) and dry utilities
- 10' Exclusive Easement along side lot lines where either underground primary or joint utilities are planned
- 5' Exclusive Easement along side lot lines where underground streetlight circuits are planned
- Aerial Easements are required when overhead lines are planned

CenterPoint Energy reserves the right to install and maintain electric distribution and communication facilities (consisting of all necessary and desirable equipment and appurtenances), located on, under, over, and across the area shown hereon. With additional unobstructed rights of ingress and egress to and from said easement, together with reasonable working space with the additional right to remove from said easement, distribution and communication facilities, together with the additional right to remove from said easement and lands adjoining thereto, all bushes, trees, and parts thereof, or other structures which, in the sole opinion of CenterPoint Energy, endanger or may interfere with the efficiency, safe and proper installation, operation, and maintenance of said electric distribution and communication facilities.



Illustrations are provided for approximate facility locations only; actual locations could vary.

LIGHTING LEGEND

NEW STREET LIGHT INSTALLATION SYMBOLS

SYMBOLS	QUANTITY	SINGLE LAMP WATTAGE AND TYPE (Circle One Lamp Type for Each Wattage)			
	OH - 0	100W	HPS	MH	MV
	UG - 0				
	OH - 0	150W	HPS	MH	MV
	UG - 0				
	OH - 0	175W	HPS	MH	MV
	UG - 0				
	OH - 0	250W	HPS	MH	MV
	UG - 0				
	OH - 0	400W	HPS	MH	MV
	UG - 0				

SYMBOLS	QUANTITY	DUAL UG ONLY LAMP WATTAGE AND TYPE (Circle One Lamp Type for Each Wattage)			
	0	100W	HPS	MH	MV
	0	150W	HPS	MH	MV
	0	175W	HPS	MH	MV
	0	250W	HPS	MH	MV
	0	400W	HPS	MH	MV

ADDITIONAL INSTALLATION MATERIAL SYMBOLS

TP	0	TERMINAL POLE
R	0	RELAY
	0	PULLBOX
	0	UNDERGROUND CONDUCTOR (Chose One) Direct Embedded Wire ____ Conduit and Wire ____
	0	OVERHEAD CONDUCTOR 84 AC TWIST (UNLESS OTHERWISE NOTED)

EXISTING STREET LIGHT SYMBOLS AND WATTAGES

General △ 70 ○ 100 ⊘ 150 (175) ⊘ 250 ⊘ 400

INSTALLATION VOLTAGE: (Circle One Only) 120 240 480

LEGEND

OVERHEAD CONSTRUCTION

- EXISTING O/H PRIMARY (NOTE PHASE AND SIZE)
- PROPOSED O/H PRIMARY (NOTE PHASE AND SIZE)
- PROPOSED OVERHEAD TRANSFORMER
- EXISTING WOOD POLES
- PROPOSED WOOD POLES
- EXISTING DOWN GUY AND ANCHOR
- PROPOSED DOWN GUY AND ANCHOR

UNDERGROUND CONSTRUCTION

- EXISTING U/G PRIMARY
- PROPOSED U/G PRIMARY
- EXISTING U/G SECONDARY
- PROPOSED U/G SECONDARY
- PROPOSED STREET LIGHT SECONDARY
- EXISTING PULLHOLE
- PROPOSED PULLHOLE
- EXISTING PAD MOUNTED TRANSFORMER
- PROPOSED PAD MOUNTED TRANSFORMER
- REPLACE PAD MOUNTED TRANSFORMER
- PROPOSED TERMINAL POLE
- EXISTING SECONDARY PEDESTAL
- PROPOSED SECONDARY PEDESTAL
- REPLACE SECONDARY PEDESTAL

Meter Locations:
Electric meter must be placed on the side of the house or garage. Access to the meter shall not be blocked by gates, walls, or fences at any time.

STREET LIGHT NOTES

All streets must be called and pulleted prior to the installation of street lighting facilities unless otherwise approved by the Lighting Design Service Department.

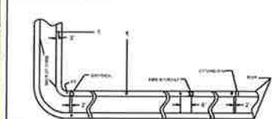
Dedicated street pole easements are required along all placements of street lighting facilities when such facilities are installed along private streets. Street lighting will only be installed along private streets that can be accessed for maintenance in a safe manner. Street lighting will not be installed on streets intended to contain a private sewer main, sanitary sewer lines, storm sewer, and such other utility or functional infrastructure as can be easily installed and which, for the purpose of establishing setback, will be considered to be the equal of a public street.

The design of all sketch, utility easements, and storm sewer easements must be approved by all appropriate reviewing agencies before the installation of street lighting.

Street lighting will be installed in the recommendations of the Illuminating Engineering Society unless otherwise requested and agreed upon in writing by the requestor of street lighting service.

STREET LIGHT PLACEMENT DETAIL

Street light standard will normally be installed in road right-of-way 2 feet of curb and in alignment with side lot or rear property lines, unless there is a conflict with driveway, fire hydrant, utility fixtures, water meter, other obstructions, or near IES recommended spacing requirements otherwise. In case of such conflict, the distance at rear of property standard is to be installed 5' North or West of property line at street intersections. Site stands are to be installed behind sidewalk and at 5' from tangent point. Standard shall be placed on the street side opposite from normal mail box locations.



The street lighting as described in the other light agreement will be installed on this project as:

- [X] CenterPoint Energy Design - IES Compliant
- [X] Non-CNP Design - IES Compliance Unknown. Design by: ____
- [X] No Street Lights Requested

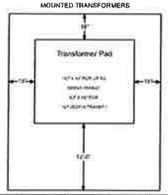
Current Date: AUGUST 2015

After 365 Days, this project is subject to review and revision by CenterPoint Energy.

FIELD TECH: ____

FIELD COMPLETION DATE: ____

MINIMUM UNOBSTRUCTED CLEARANCES* FOR PAD MOUNTED TRANSFORMERS



*Minimum safe and back clearances shall increase to 30" where adjacent to a building

ULTIMATE SHORT CIRCUIT CURRENT
85,000 Asymmetrical Symmetrical at 240 Volts

INITIAL SHORT CIRCUIT CURRENT
Amperes Symmetrical at 240 Volts

Transformer Size	Amperes Sym
25 kVA	6,100
37.5 kVA	9,200
47 kVA	12,300
50 kVA	12,300
75 kVA	18,400
100 kVA	24,500
167 kVA	41,000
250 kVA	48,600

Maximum conductor size of customer's service drop shall not exceed 350MCM when entering transformer or pedestal

		WORK ORDER #	ORDER TYPE	MAIN. ACT. TYPE	FUNCT. LOCATION
X	OH WO		HDC#	R#	DIS-0 -OVH
X	URD LP1	74847055	HDC1	66	DIS-0 -URD
X	URD LP2		HDC1	66	DIS-0 -URD
X	REHAB		HDC#	66	DIS-0 -URD
X	S.L. WO		HLC1	507	LDS-UNMTRD-

GIS Priority:	KEY MAP: 5606 — JT PROJECT #: 4241
LAMBERT: 6247B4	GLN: — CKT: K4507
TITLE: MAR BELLA 13B	
LOCATION: HWY 96 @ ISLA VISTA DR	
FAC LAYOUT BY: JOSIE CARRILLO	DATE:
OH WO BY:	DATE:
URD WO BY:	DATE:
S.L. LAYOUT BY:	DATE:
GAS LAYOUT BY:	DATE:
REVISED BY:	DATE:
SVC CONSULTANT SIGNATURE:	
FACILITY LAYOUTS APPROVED BY:	
SERVICE CENTER: GALVESTON	PHONE:
GAS DISTRICT:	SCALE: 1" = 100'