

1. Contractor to field verify the locations of all existing utilities.
2. Contractor to provide electrical service panel for future electrical services to be located in restroom chase.

Complete system shall be supplied by:

Sanford, FL 32773 (Ph. 407-265-9963)

OR APPROVED EQUIVALENT

OR APPROVED EQUAL

**PUMPS:** (3 Year Warranty) Submersible grinder pump shall be **LIBERTY Model LSG**. The pump shall be installed in the fiberglass wetwell utilizing a quick-disconnect system. The grinder unit shall be capable of macerating materials normally found in domestic and commercial sewage into a fine slurry which will pass through the pump and the Sch.80 PVC discharge piping.

**FIBERGLASS WETWELL: (20 Year Warranty)**  
The H-20 load rated fiberglass wetwell must be manufactured by L.F. Manufacturing, Giddings, Texas.

**Alarm Annunciator Panel:**  
Panel shall be assembled and built by a TUV (UL508A CERTIFIED) manufacturing facility.  
The Enclosure shall be NEMA 4X, Fiberglass.

***The enclosure shall have external mounting feet to allow for wall mounting.  
All hardware shall be stainless steel.***

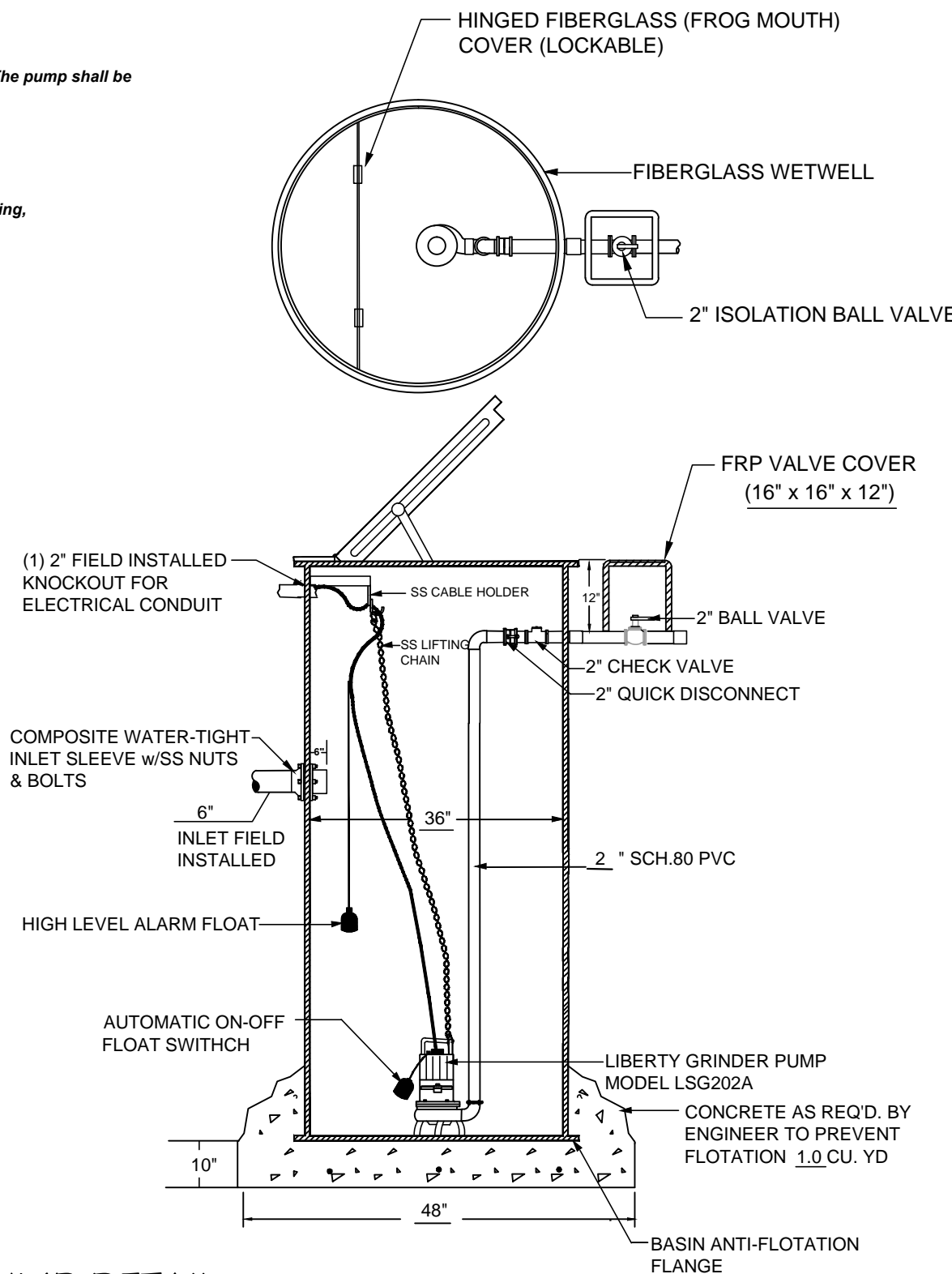
The following components shall be mounted through the enclosure:  
1- ea. Red Alarm Beacon (Light)

1- ea. Alarm Horn  
1- ea. Alarm Silence Pushbutton

**The backpanel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.**

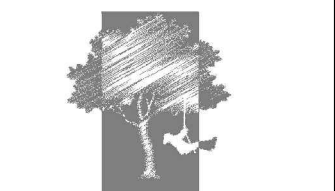
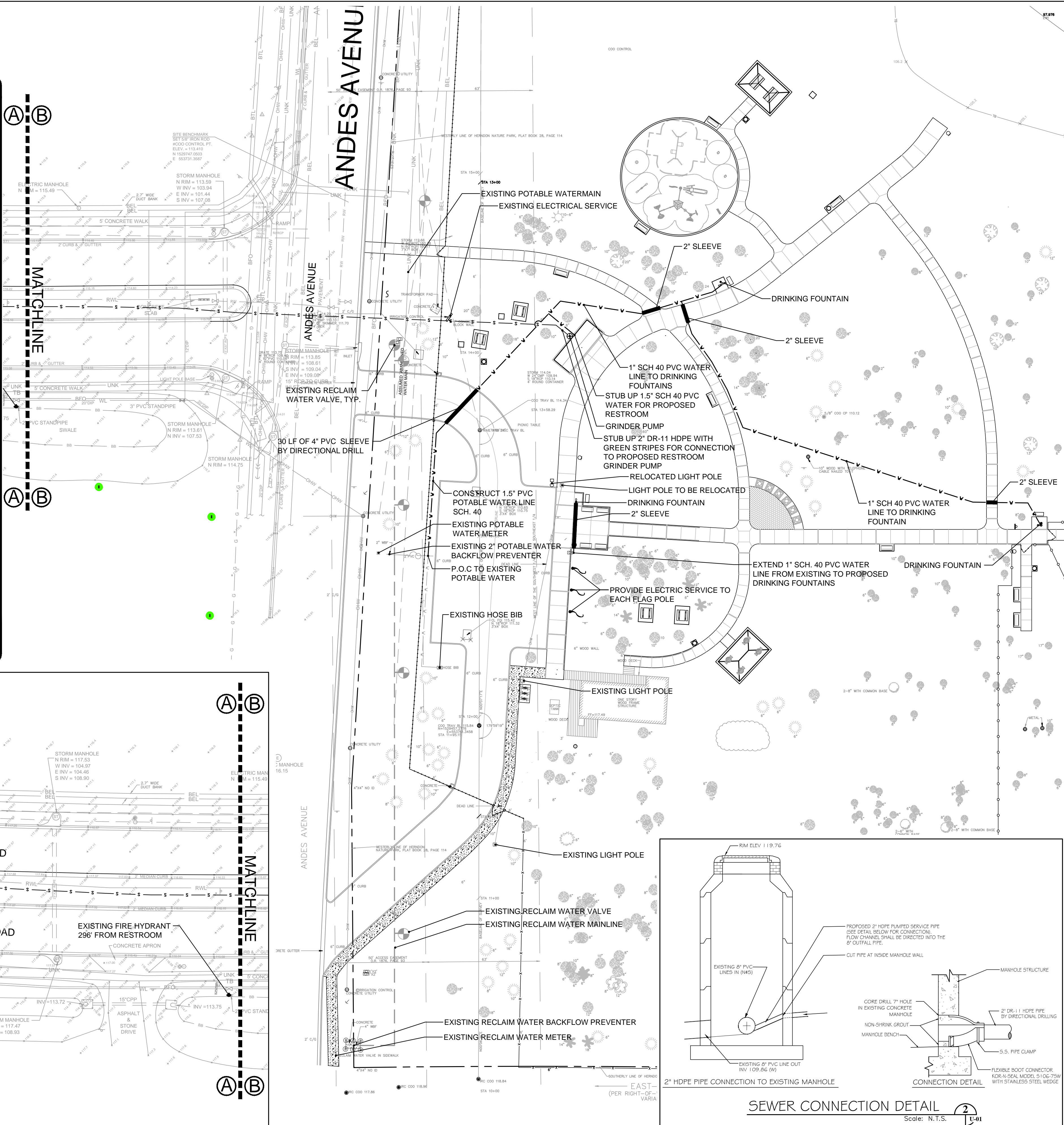
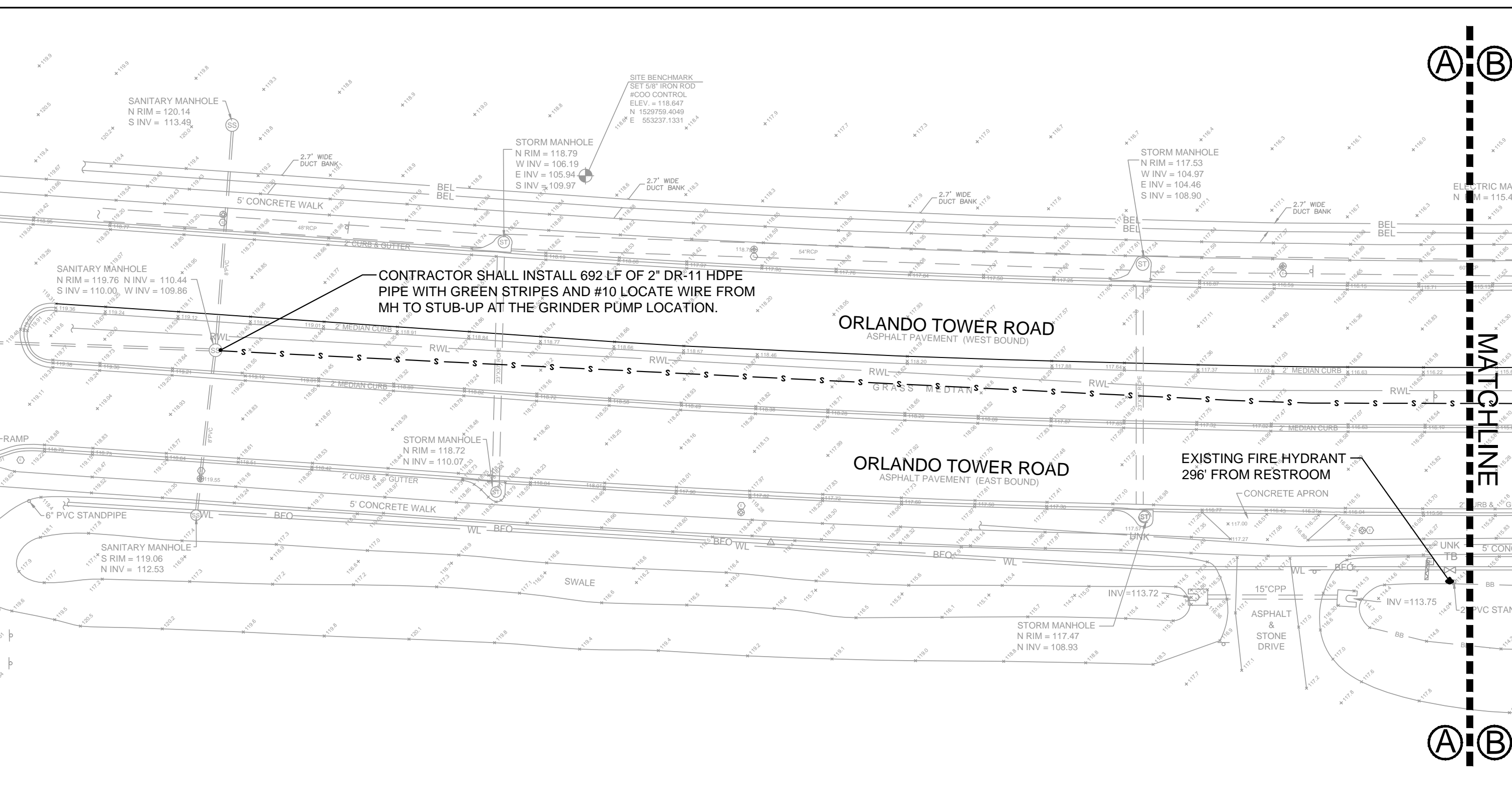
**The following components shall be mounted to backpanel**  
**1- ea. Silence Relay**

3- ea. Terminals For Field Connections  
2- ea. Grounding Lugs



### GRINDER PUMP DETAIL

Scale: N.T.S. U-01



**FAMILIES, PARKS  
& RECREATION**  
CITY OF ORLANDO  
1206 WEST COLUMBIA STREET  
ORLANDO, FLORIDA 32805  
(07)246-2283 • FAX:(407)246-2702

# Park of the Americas Park Improvement Plan

201 Andes Avenue, Orlando, FL 32803

ENGINEER

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Charles C. Conklin, P.E

Date:

Professional Engineer  
No. 43246

Designed By:	CK
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Drawn By:	CIK
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Drawn By:	CJR
Checked By:	CK

Checked By:	CK

Approved by:	CK
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## REVISIONS

TO	Date	By	Description
1	10/16/13	CJK	Plan Revisions
2	12/23/13	CJK	Conformed Plans
3	01/09/14	CJK	Site Permit Plans
4	02/12/14	CJK	Permit Revisions

SCALE

11" x 17" Print: 1" = 60'-0"



0' 10' 15' 30' NORTH

22" x 34" Print: 1" = 30'-0"

## SHEET TITLE

# UTILITY SITE PLAN

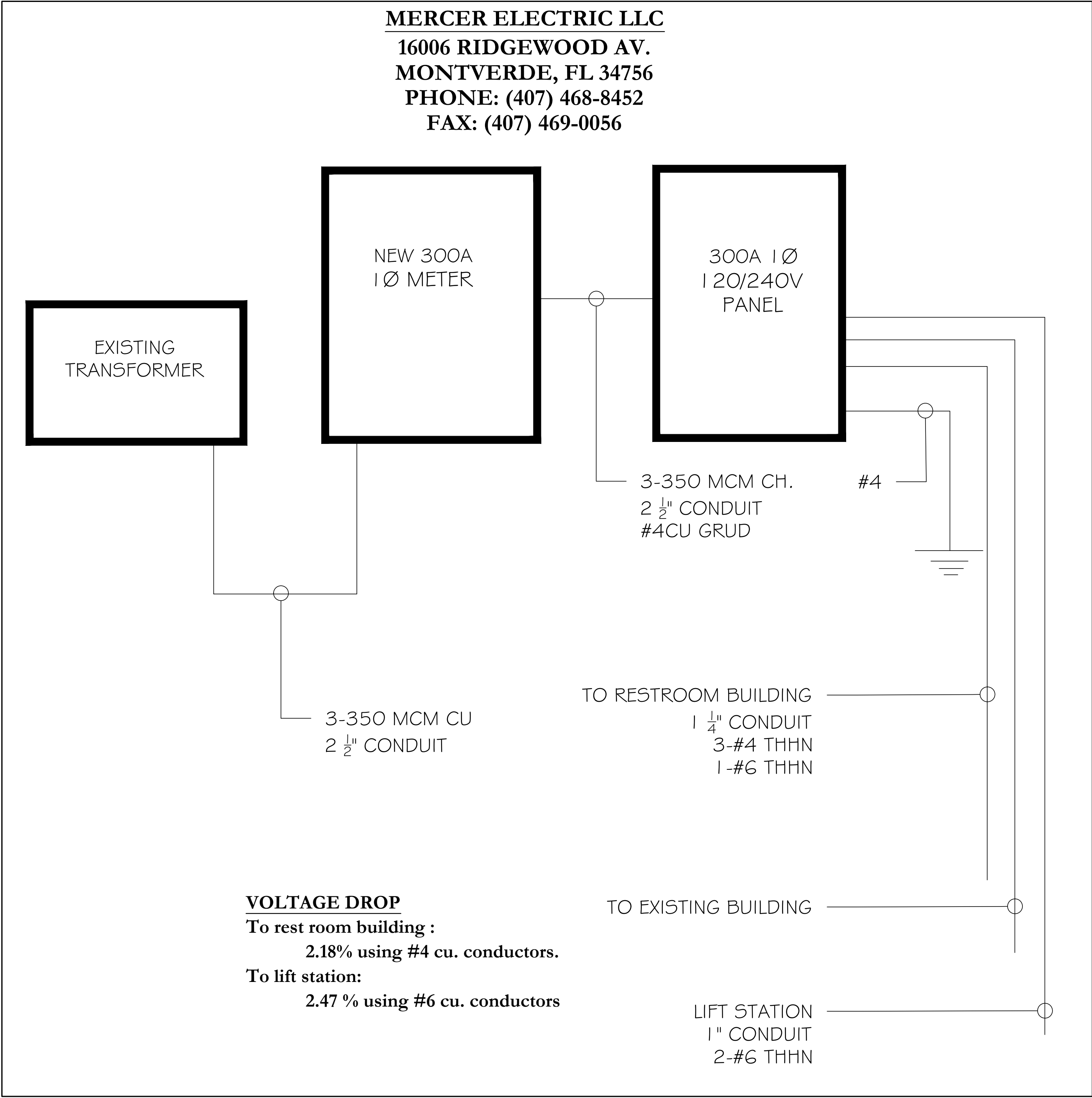
SHEET NUMBER

U-01

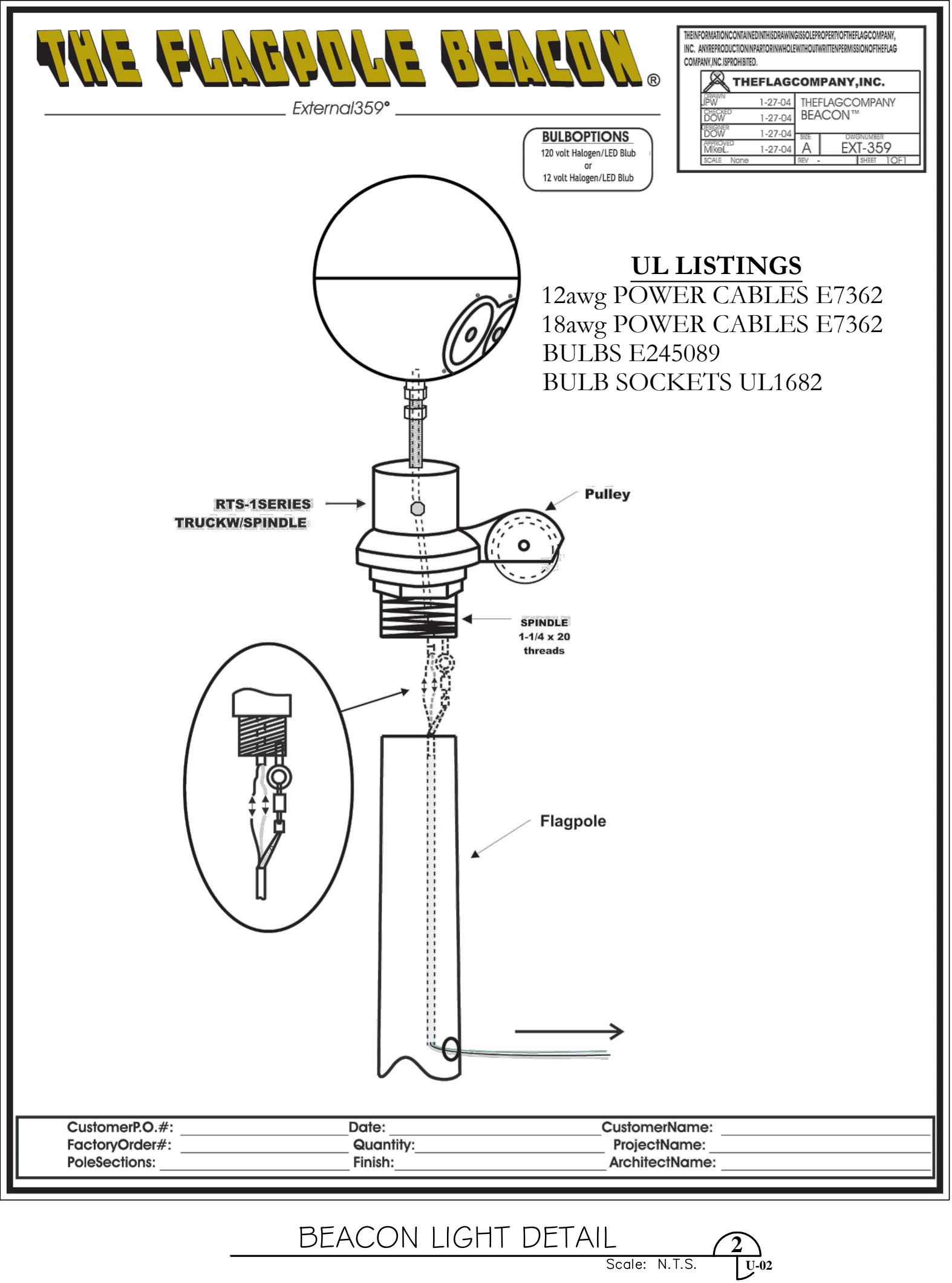
SHEET 01 OF 02




H:\CAD Files\Park of the Americas\Bid Documents\BDA\_Uilities.dwg



ELECTRICAL RISER DIAGRAM  
Scale: N.T.S. 1 U-02





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# Park of the Americas Park Improvement Plan

201 Andes Avenue, Orlando, FL 32803

ENGINEER

Designed By:	
Drawn By:	CJK
Checked By:	BGG
Approved by:	BGG
Date:	02/12/14

REVISIONS			
NO.	Date	By	Description
1	10/16/13	CJK	Plan Revisions
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SCALE

AS SHOWN

SHEET TITLE

**ELECTRICAL  
DETAILS**

SHEET NUMBER

**U-02**  
SHEET 02 OF 02