



Country United Soccer Club Inc.
P.O. Box 135
Walkerston Qld 4751

www.countryunited.org.au

ABN 93 700 201 567

7th October 2012

Ref: 20121007 Wests Field No2 Lighting Upgrade

Attention: All members

As the 2012 season has come to an end, we are in the process of getting ready for 2013 season. One of the jobs we have been anticipating and started is the upgrading of the lights on field #2.

We have already purchased the lights, bracket and cabling however there are numerous more items that is required to allow the job to progress.

West's Field No2 Lighting Upgrade - Parts Required

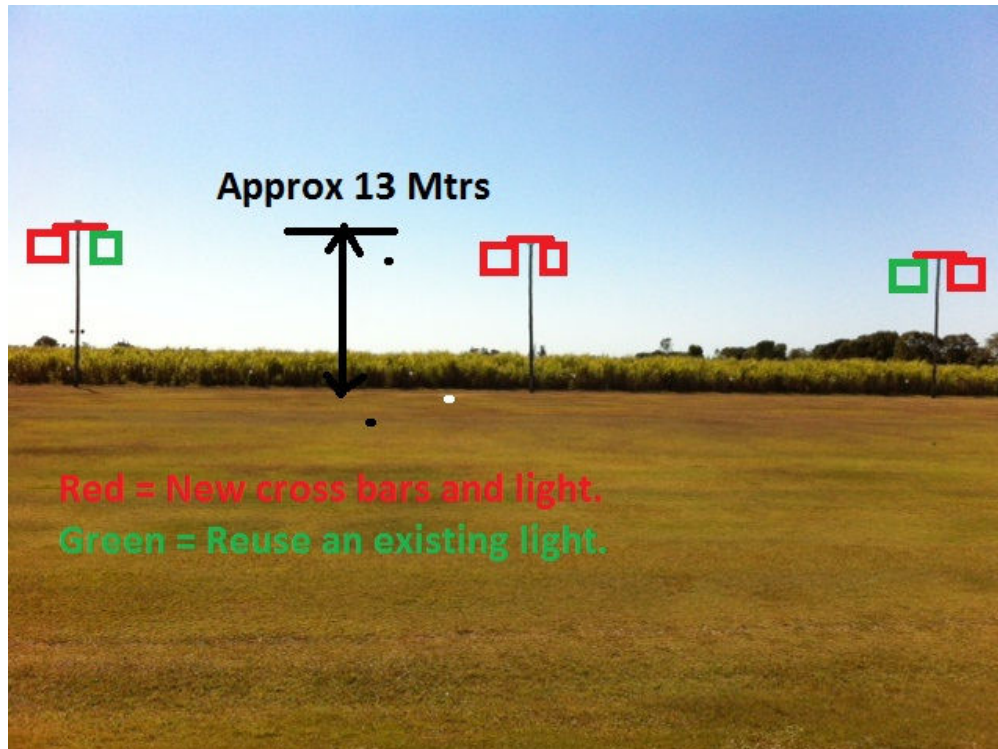
Item	Qty	What for	Who can supply?
Coach Screws Dia12x50	8	To secure ballasts to posts	
Washer Flat Galv M12	8	To secure ballasts to posts	
M20 Threaded Bar Galv 1Mtr lengths	6	To secure tee brackets to top of posts	
M20 Nuts Galv	50	To secure tee brackets to top of posts	
M20 Washer Flat Galv	24	To secure tee brackets to top of posts	
M20x40 Bolts and Nuts Galv	12	To secure lights to tee brackets	
M20x50 Bolts and Nuts Galv	18	To secure post angle bracket to tee bracket	
M20x75 Bolts and Nuts Galv	6	To secure post side plate to tee bracket	
M20x100 Bolts and Nuts Galv	6	To secure post side plate to tee bracket	
M20x130 Bolts and Nuts Galv	6	To secure post side plate to tee bracket	
Gland PVC M20	20	Glands for ballasts and Jboxes	
Conduit Orange 25 Straight 4Mtr length	4	Conduits for new cable up the side of posts	
Saddles Half 25 (SS if possible)	50	To secure conduits up posts	
Screws Wood 25long (SS if possible)	200	To secure saddles to posts	
Cable Ties 300long	3 Pkts	To secure cables on tee brackets as required	
Junction Box 150x100	3	Possibly replace existing junction boxes	
Connectors	12	To connect wires in junction boxes	
Drill Bit 22mm Wood	1	Drill holes through posts needs to be at least 350mm long	
Grinder 4" or 5"	1	To assist with tee bracket installation	Dean
Cutoff Saw Metal	1	To cut threaded bar to length	
Drill with 1/2" Chuck	1	To drill holes through posts to secure tee brackets	Dean
Extension Leads 240V 10A 15Mtr	2	To connect tools to gen set	Dean
Generator	1	To provide power to tools at posts	Dean
EWP 13Mtr reach	1	To access top of poles	
Transport of EWP	1	To and from Wests Fields	



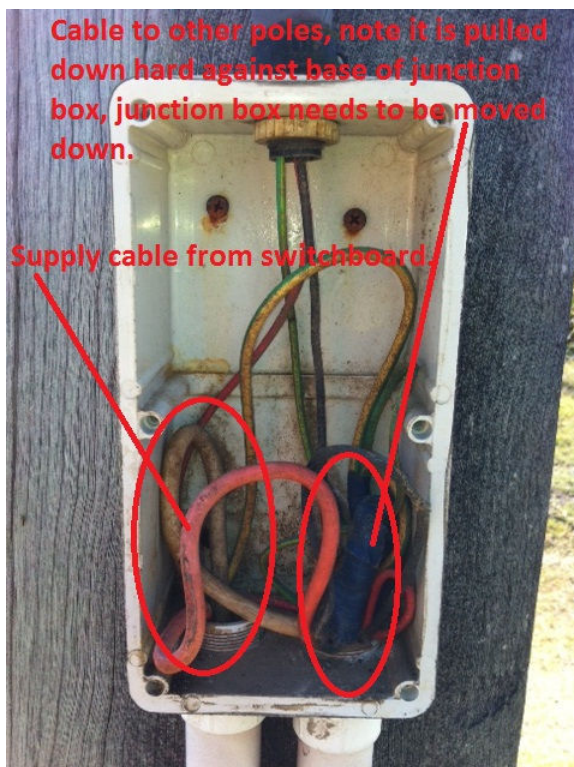
Country United Soccer Club Inc.
P.O. Box 135
Walkerston Qld 4751

www.countryunited.org.au

ABN 93 700 201 567



As can be seen by this photo, we want to remove all three (3) existing lights, refurbish two (2) and install onto new tee brackets on the inside of the north and south posts. The centre post gets two (2) new lights fitted. An EWP is required to access the top of these poles.



North Pole Junction Box.

This junction box needs to be lowered as the cable from this j-box to the centre post j-box is tight into the gland and the cable is unable to be moved.

Wondering if it is worth replacing junction boxes and having all entry points in the bottom or the side to limit water ingress.

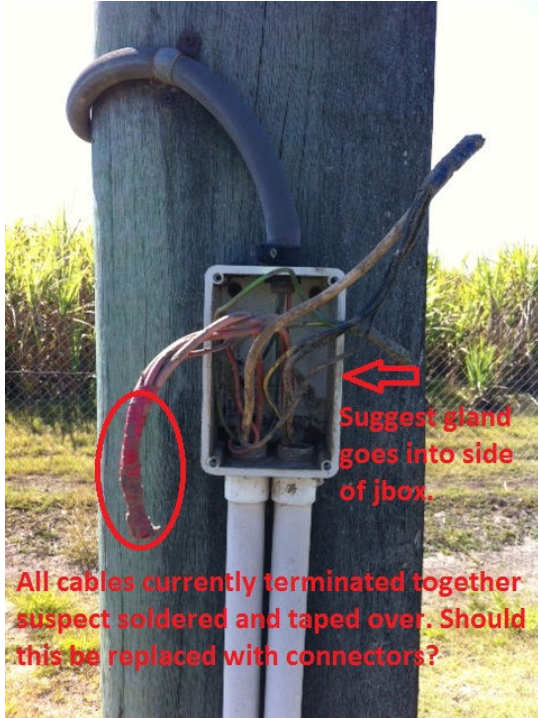
Cable that comes into the top of this junction box goes to the existing ballast.



Country United Soccer Club Inc.
P.O. Box 135
Walkerston Qld 4751

www.countryunited.org.au

ABN 93 700 201 567



All cables currently terminated together suspect soldered and taped over. Should this be replaced with connectors?

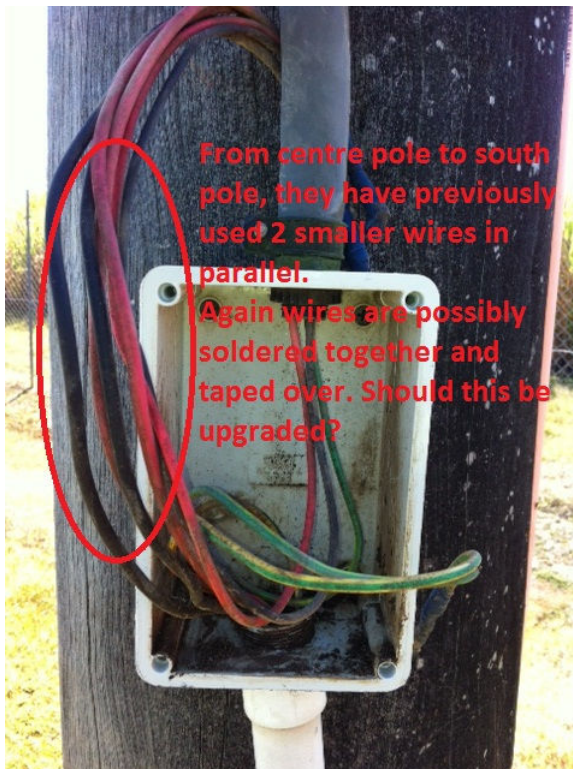
Suggest gland goes into side of jbox.

Centre Pole Junction Box

Suspect all cables are terminated by solder and covered with electrical tape.

Is there a better system or do we terminate the other ballast supply cables the same way?

The supply cable from the North Pole to the Centre Pole is a single wire as compared to the cable from the Centre Pole to the South Pole is two wires in parallel.



From centre pole to south pole, they have previously used 2 smaller wires in parallel.

Again wires are possibly soldered together and taped over. Should this be upgraded?

South Pole Junction Box

Suspect all cables are terminated by solder and covered with electrical tape.

Is there a better system or do we terminate the other ballast supply cables the same way?

The supply cable from the North Pole to the Centre Pole is a single wire as compared to the cable from the Centre Pole to the South Pole is two wires in parallel.



Country United Soccer Club Inc.
P.O. Box 135
Walkerston Qld 4751

www.countryunited.org.au

ABN 93 700 201 567



Mount new ballast 90Deg around on post and run cable back down to jbox through 20mm corrugated conduit.
Run new cable up to light through 25mm orange conduit.
Ballast approx 3Mtrs off ground.

Ballast Mounting

Mount new ballast at same height as existing ballast (approx. 3 metres above ground).

Run new supply cable from junction box to ballast through corrugated conduit.

Run cable from ballast to light fitting through 25mm orange conduit up the post, which is secured using saddles.

Will require EWP to access up the post. Should be able to install ballasts from standing in a ute tray.



Reuse existing ballast and light off 2 posts, may have to replace individual wires in existing conduit as it may not have required length to reach to light as it is mounted under tee bracket.

Existing Light Wiring

May have to replace existing wires up the post with new cable due to length required to reach light once it is mounted under light bracket.

Should be able to pull new cable through existing flexible conduit.

Will require an EWP to access the side and top of pole.



Country United Soccer Club Inc.
P.O. Box 135
Walkerston Qld 4751

www.countryunited.org.au

ABN 93 700 201 567



New Ballasts

New ballasts require two (2) screws to mount them onto the posts.

Two (2) glands required for cable entry / exit points.

Reasonably heavy to lift.

As you can see, it will require the assistance of numerous people to make this project happen. If you are able to assist with the supply of any parts / equipment or time please let Dean (04 0099 6618) know over the next week.

Would like to organise to do this work on the **first weekend in November (3rd / 4th November)**.

Again, this project assists numerous organisations and benefits the community as a whole.

Your assistance is greatly appreciated.

Regards,

Dean Ross

Club Member
Country United Soccer Club Inc
Mob: 04 0099 6618
Email: deangross@bigpond.com