



##  <br> 





## PowerWater

northen שreatory

| DES | A.GANGUR | POWER NETWORKS - PALMERSTON DISTRIBUTION SUBDMSION OF LOT 12087 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| DRN | K.TAEVER |  |  |  |
| CKD | A.GANGUR | SUBDMSION OF LOT 12087 <br> ZUCCOL SUBDIISION - STAGE 2 : STAGE 2D CONDUIT/DUCT LAYOUT |  |  |
| APPD |  |  |  |  |
| SCALE | 1:1000 AT A1 |  |  |  |
| ISSUED | 22-10-15 | A1 | DRA |  |
| ALL DIM | . 1 mm | A1 | NUMBER |  |



## NOTES - WORKS BY DEVELOPERS CONTRACTOR

- All works shall be carried out in accordance wih curent power ano water constructon methoos,

 FOR STREET LGGTING IS ONLY YOR COMPLANCE WITH ELECTRRCAL NSTALLATON AND AUTHORSSED STANOARD STREET LGGTING COMPONENTS AS PER POWER AND WATER STANDARD MANUALS.
2- all purchased materall/Eauipment to construct electrical reiticulation shall be in accordance
 NON-STANDARD MATERALIL/EEQUPMENT USED WITHOUT OBTANNG PRIOR APPROVAL IN WRITING FROM POWER

 MANAGEMENT Quality group on standardsengineersepowerwater.con.au.
3- contractor shall contact \& Submit an underground installation program" to power and water's ROCGRAM DELIVERY VI E-MALL (prograndelivery.pwc@owerwater.con.aul THRTY (30) DAYS PROR TO COMMEEEEMEN OF CONSTRUCTION WORKS. THE UNDERGROOND INSTALLATION IS SUBJEET TO APPROVAL BY PROGRAM .
- Fused distrbution plllars shall be suppled and installed by contractor and labelled in LCCORDAANE WITH POWER AND WAIER REQUREMENIS. LABEIS SHALL BE PROVIDED BY CONTRGCTOR PIIIARS SHAL WTHE NOWER AND WATER STD DWE SO2-2-3-12.

5 - STReet lights Shall be suppled \& nstalled by contractor in accordance with power and water


6 - UnLess otherwise nolcated, all service cables are located as follows:
GENERAL: 300mm FROM FRONT BOUNDARY/600mm FROM SIDE BOUNDARY/600mm FROM EASEMENT

-CABLES ADJACENT TO SEWERAGE SERVVCES, LOCATED 600mm FROM EASEMENT/SDE BOUNDARY/3OOnm FROM FRONT

- Serrice allocations shall be as per dwg no. Bis-3292, detall a and shall be Nstalled in


$$
-1
$$

 -FUSED PILLARS: Im x im FOR $3 \& 5$ SLOT FUSED PLLAR.
WHERE RRONT/SIDE OF PILLARS EASEMENTS DD NOT ALICN WITH FRONT OF SIDE LOT BOUNOARES, ELECTRRITIY asement shall extend to front or side lot boundary. developer shall survey \& reiciter electriliy Lasemenis rounco w favor of power and water ha no cost to power and waier.

- LV \& STREET LGGHT CABLLES SUPPLLED AND INSTALLED BY CONTRACTOR SHALL BE TYPE IN ACCORDANCE WIIH POWER AND WATER STANDARD DWG'S S $2-1-1-19$ AND $52-1-1-20$.
10-22 Metres of service cable shall be left buried within each property boundary shown in accordance with power and water stanaard dwg's s-2-1-3.

12 - CONTRACTOR SHALL LlAISE WTH NBN Co. CONTRACTOR TO ENABLE CONDUITS AND COMMUNCATONS PITS TO BE
 CROSSNGSI). THE CONTRACTOR SHALLL BACKFILL/COMPACT TRENCHES, UPON NSTALLATTON OF ELECTRICAL SERVCES CONTRACTOR TO NSTALL COMMUNCATIONS CONOUTS AND PITS. THE CONTRACTOR SHALL THEN COMPLETE bAGKFLL//COMPACTION OF TRENCHES.


## cowractiJe northern powez <br> NORTHERN PowE SERICES <br> 




4 - ALL WORKS REQurRED ON EXITTNG ENERGISED RETICLLATION SHALL ONLY BE CARRIED OUT BY POWER AND WATER
PERSONELL DEVELOPRR/CONTRACTOR SHALL LAIIE WTH POWER AND WATER TO COORNNATE CONECTON OF THE WORK PERSONNEL. DEVELOPER/CONTRACTOR SHALL LAASE WTH POWER AND WATER TO COORXINATE CONNECT

- developer shall ensure that only power and water acredited electrical contractor is employed to CARRY OUT WORK ON THS Electrical SYSTEM (CONTACT MANaGER NETWORK ENGNEERNG - 8924 5191).
16- Developer shall lalle with power and water to obtan "handover of work by developer". contractor shall SUBMT TO POWER AND WATER on coMPLETION OF WORK, SIINED COPY OF "CONTRACTOR'S CERTFIFCATE OF COMPLETION \& ANDOVER - POWER NETWORK ASSETS" \& SINEED COPY OF "ELECTRICAL CERTFIFCATE OF CONPLIANE"
17 - cable route lengiths nomnated on sngie line diagram are for power and water noormation only \& shall not Be USED FOR TENDERNG PURPOSES.
- COORDNATE WITH CIVL Services for location of water, sewerage and storywater services.

19- contractor shall provide "as constructed" drawngs in accordance with power ano water's "Power networks
 SHALL NCLUDE
1x AI PAPER PRINT NOICATNG "AS NSTALLED" OF ALL DRAWINGS


## NOTES - WORKS BY POWER AND WATER (AT DEVELOPERS COST)

1- contractor shall arrange for power ano water to carry out the following works

 Colled n existing sand pit in front of existng dist. PILLAR posszu \& connect/terMnate to existing oist. plLLA PospzU.
POULL
-PULL THROUGH NEW STREET LIGHT CABLING IfROM NEW STREET LIGHT 28875 \& FROM NEW STREET LGHT 28892 Left OILED IN EXITTNG SAND PTT IN FroNT OF EXISTING SUB 3357 \& CONNETT/TERMNATE TO EXISTING SUB 3357/CB104, - CARRY OUT EARTH TESTS,


- Developer shall pay all assoclated costs for power and water to carry out above works

| STREET LIGHTING POLE/LUMNARE SCHEDULE |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{\|c\|c\|c\|c\|} \hline \text { Pol } \\ \mathrm{No}^{\prime} \end{array}$ | STREET LIGH No. | SIE | TYPE | OUTRECCH | $\underset{\substack{\text { UMMNARE } \\ \text { TYPE }}}{ }$ | MaRk |
| 1 | 28832 | EXIST | EXIST | ExIst | EXIST | EXISTING STREET LIGHIT TO REMAN. |
| 2 | 28827 | EXIST | EXIST | ExIS | EXIST | EXISTNG STREET LGHT TO REMAIN. |
| 3 | 28875 | 6.5 m | RIGID | 1.5m | 70W HPS | NEW 'NGGLL/ESS' POLE/CURVED/OUTREACH WTTH 'REXEL' OPTIMA 70W HPS LUMINARE. |
| 4 | 28876 | 6.5 m | RIIID | ${ }^{1.5 m}$ | 70W HPS | NEW 'NGGAL/EPS' POLE/CUVVED/OUTREACH WITH 'REXEL' OPTIMA 70W HPS LUMINARE. |
| 5 | 2887 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGAL/EPS' POLE/CUVVED/OUTREACH WITH 'ReXEL' OPTIMA 70W HPS LuMINARE. |
| 6 | 28878 | 6.5m | RIIID | 1.5m | 70W HPS |  |
| 7 | 28879 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGAL/EPS' POLE/CUVVED/OUTREACH WTHH 'REXEL' OPIMA 70W HPS LUMINARE. |
| 8 | 28880 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGAL/EPS' POLE/CUVVED/OUTREACH WITH 'REXEL' OPIMA 70W HPS LUMINAIRE. |
| 9 | 2881 | 6.5 m | 10 | 1.5m | 70W HPS | NEW 'NGGLL/EPs' POLE/CUVVED/OUTREACH WITH 'REXEL' OPTIMA 70W HPS LUMINARE. |
| 10 | 2888 | 6.5m | RIIID | 1.5m | 70W HPS | NEW 'NGAL/EPS' POLE/UUVVED/OUUTREACH WITH 'REXEL' OPIMA 70W HPS LUMINARE. |
| 11 | 2888 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGAL/EPS' POLE/UUVVED/OUTREACH WTTH 'RexEL' OPTIMA 70W HPS LUMINARE. |
| 12 | 28884 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGLL/EPS' PCLE/CUVVED/OUTREACH WITH 'REXEL' OPTIMA 70W HPS LUMINARE. |
| 13 | 2885 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGL/EES' POLE/CUVVED/OUTREACH WITH 'REXEL' OPTIMA 70W HPS LUMINARE. |
| 14 | 2888 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGL//ES'' POLE/CUVVED/OUTREACH WTTH 'ReXEL' OPTIMA 70W HPS LUMINARE. |
| 15 | 2887 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGL/EPS' POLE/CUVVED/OUTREACH WITH 'RexEl' OPTIMA 70W HPS LUMINARE. |
| 16 | 2888 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGAL/EPS' POLE/UUVVED/OUUTREACH WITH 'REXEL' OPIMA 7ow hps luminalre. |
| 17 | 2889 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGAL/EPS' POLE/CURVED/OUTREACH WTHH 'REXEL' OPTMA 70W HPS LUMINARE. |
| 18 | 2880 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGL/EES' POLE/CUVVED/OUTREACH WITH 'REXEL' OPTIMA 70W HPS LUMINARE. |
| 19 | 2889 | 6.5 m | RIIID | 1.5m | 70W HPS | NEW 'NGGAL/EPs' POLE/CUVVED/OUUTREACH WITH 'REXEL' OPIMA 70W HPS LUMINARE. |
| 20 | 28892 | 6.5 m | RIGID | 1.5m | 70W HPS | NEW 'NGAL/EES' POLE/CUVVED/OUTREACH WTH 'REXEL' OPIMA 70W HPS LUMINARE. |
| 21 | 2883 | 6.5 m | RIII | 1.5m | 70W HPS | NEW 'NGAL/EPS' POLE/CUVVED/OUTREACH WTHH 'REXEL' OPIMA 70W HPS LUMINARE. |



EXISTING HV SCHEMATIC DIAGRAM (11ARO7 MITCHELL CREEK)/N.T.S.)

beveloper:
TERRITORY LFFE


$\xrightarrow{\text { AGA CONSUUTING }}$ ENGINERS PTY | Enginerrs pty lid |
| :--- |
| ELECTRICAL $\&$ MECHANCAL |

 max mom
,omb



|  | DRAWING STATUS | APPD | date |
| :---: | :---: | :---: | :---: |
| P | PRELIMINARY/PROPOSED |  |  |
| T | tendering purposes only |  |  |
| AC | APP. FOR CONSTRUCTION |  |  |
| Al | As Installed |  |  |
| c | CANCELLED/SUPERSEDED |  |  |
|  |  |  |  |
|  | Aca406-7 |  |  |

## PowerWăter



