

# **ELECTRICAL ENGINEERING DRAWING**

PRELIMINARY WORKS:  
DISCONNECTION AND  
DEMOLITION OF EXISTING  
BUILDINGS AND SHED

PRELIMINARY WORKS:  
DISCONNECTION AND  
DEMOLITION OF SITE  
IRRIGATION PUMP  
SUPPLIES AND  
ASSOCIATED POLES AND  
WIRES

PRELIMINARY WORKS:  
DISCONNECTION AND  
DEMOLITION OF  
EXISTING BUILDINGS  
AND SHED

STAGE 1 WORKS:  
TEMPORARY  
CONSTRUCTION SITE  
1000KVA ESSENTIAL  
ENERGY KIOSK  
SUBSTATION

STAGE 1 WORKS: 11KV  
CIRCUIT BREAKERS  
AND ASSOCIATED  
PROTECTION IN  
CUDGEN ZONE  
STATION (LEVEL 3  
ASP)

CUDGEN ZONE  
STATION 2.1KM  
WEST

STAGE 1 WORKS:  
PRIVATE HV  
SWITCHING  
STATION

PRELIMINARY WORKS:  
TEMPORARY PROJECT  
SITE ENTRANCE

STAGE 1 WORKS:  
PERIMETER ESSENTIAL  
ENERGY RING MAIN UNITS  
FOR ELECTRICAL POINT OF  
CONNECTION TO THE  
ESSENTIAL ENERGY 11KV  
NETWORK (LEVEL 3 ASP)

PRELIMINARY WORKS:  
TEMPORARY PROJECT SITE  
ENTRANCE LIGHTING

PRELIMINARY WORKS:  
RECONNECTION OF 100KVA  
POLE MOUNTED  
TRANSFORMER TO  
TEMPORARY DISTRIBUTION  
BOARD FEEDING PROJECT  
SITE SUPPLIES

STAGE 1 WORKS:  
11KV CONNECTION FROM  
EXISTING ABOVE GROUND  
FEEDERS ON CUDGEN ROAD  
TO FEED NEW ESSENTIAL  
ENERGY TEMPORARY KIOSK  
SUBSTATION







STAGE 1 WORKS ALONG  
CUDGEN ROAD:  
- PUBLIC ROAD LIGHTING AT  
NEW INTERSECTIONS (LEVEL  
3 ASP)  
- DIVERSION OF TELSTRA,  
OPTUS AND AARNET CABLES

STAGE 1 WORKS:  
ELECTRICAL  
INFRASTRUCTURE  
HIGHWAY INCLUDING  
PIT AND PIPE  
SYSTEMS

PRELIMINARY  
WORKS:  
TEMPORARY  
PRPJECT SITE  
ENTRANCE  
LIGHTING

STAGE 1 WORKS:  
COMMUNICATIONS  
INFRASTRUCTURE  
HIGHWAY INCLUDING  
PIT AND PIPE  
SYSTEMS AND  
COMMUNICATIONS  
LEAD-IN CONDUITS  
FROM SITE  
BOUNDARY TO  
FUTURE INTAKE  
ROOMS

#### LEGEND

-  SITE BOUNDARY
-  MAXIMUM PLANNING ENVELOPE
-  TREE TRUNK LINE
-  APZ OFFSETS
-  PROBABLE MAXIMUM FLOOD LEVEL
-  INDICATIVE BUILDING ENTRIES



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PROJECT MANAGER



CLIENT



PROJECT

**TWEED VALLEY HOSPITAL**  
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DRAWING TITLE

**MASTERPLAN**  
**CONCEPT PLAN**

SCALE: 1:2500 @ A3 DATE: 19/09/2018 DRAWN BY: CE CHECKED BY: MH

PROJECT No: 10363 DRAWING No: AR-SKE-10-006 REVISION: 04

#### DRAWING NOTES:

1. PLEASE SEE THE ELECTRICAL AND ICT INFRASTRUCTURE REPORT FOR FURTHER INFORMATION ON ALL PRELIMINARY AND STAGE 1 WORKS RELATING TO ELECTRICAL AND ICT SERVICES.