

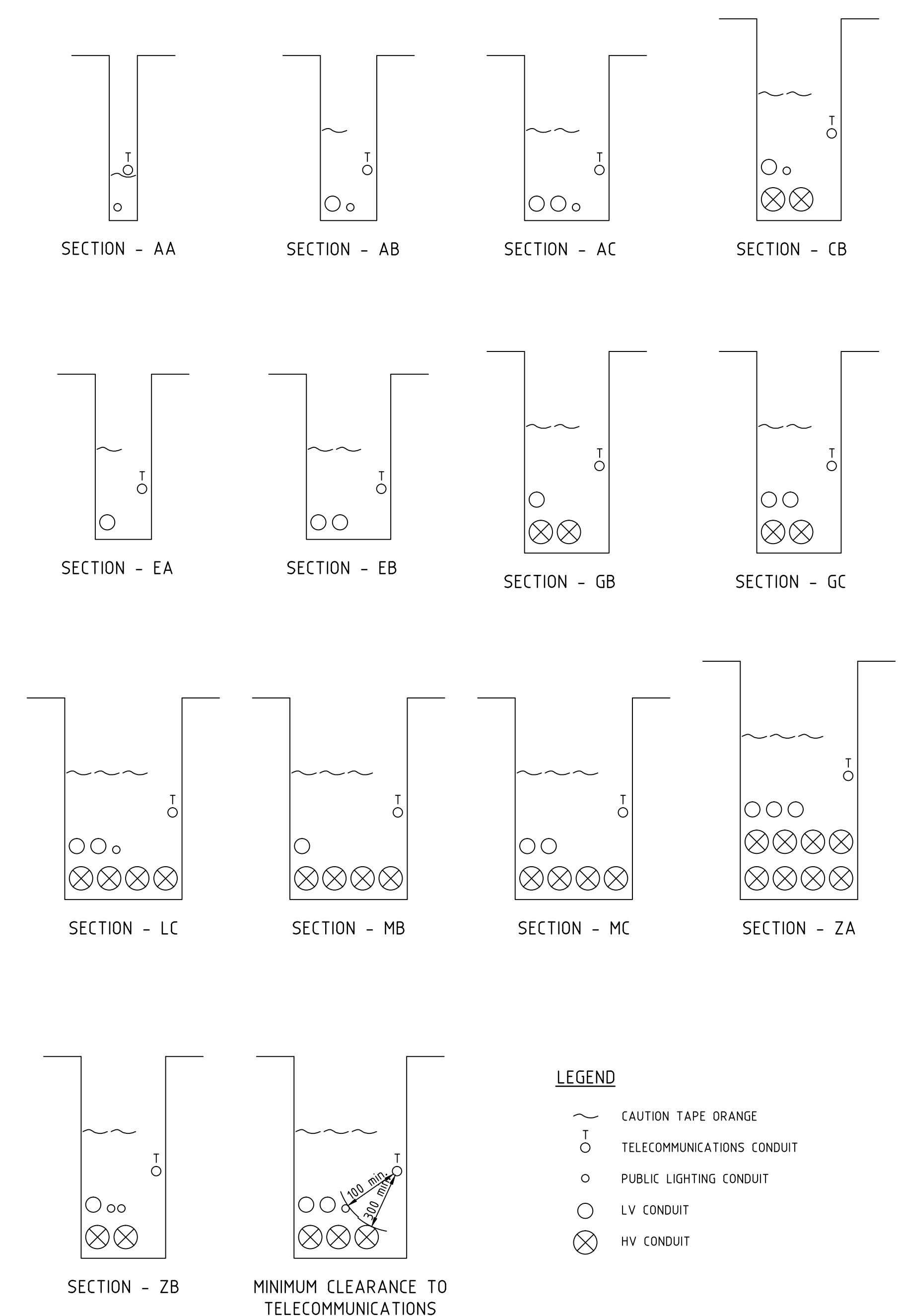
REFER TO DRAWING E01  
 SITE PLAN: scale 1:500 @A1

ON COMPLETION, MARK UP THIS PRINT CLEARLY WITH ALL FINAL CHANGES AND RETURN TO ASHBURNER FRANCIS

CHANGES Yes/No

CIVIL CONTRACTOR  
 COMPLETION DATE: .....  
 NAME: .....  
 SIGNATURE: .....  
 DATE: .....

ELECTRICAL CONTRACTOR  
 COMPLETION DATE: .....  
 NAME: .....  
 SIGNATURE: .....  
 DATE: .....



MINIMUM CLEARANCE TO TELECOMMUNICATIONS

TRENCH SECTION DETAILS: not to scale

**FOR CONSTRUCTION**

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SCALE 1:500

no.	date	issue/amendment	init.
D	23.04.14	STREET NAMES UPDATED	MM
C	20.04.15	FOR CONSTRUCTION	MM
B	27.03.15	REVISED ORIGINAL ISSUE	MM
A	11.02.15	ORIGINAL ISSUE	MM

client  
**ECONOMIC DEVELOPMENT QUEENSLAND**

TRENCH SECTION DETAILS:  
 AA, AB, CB, EA, EB, GB, GC, LC, MB, ZA, ZB

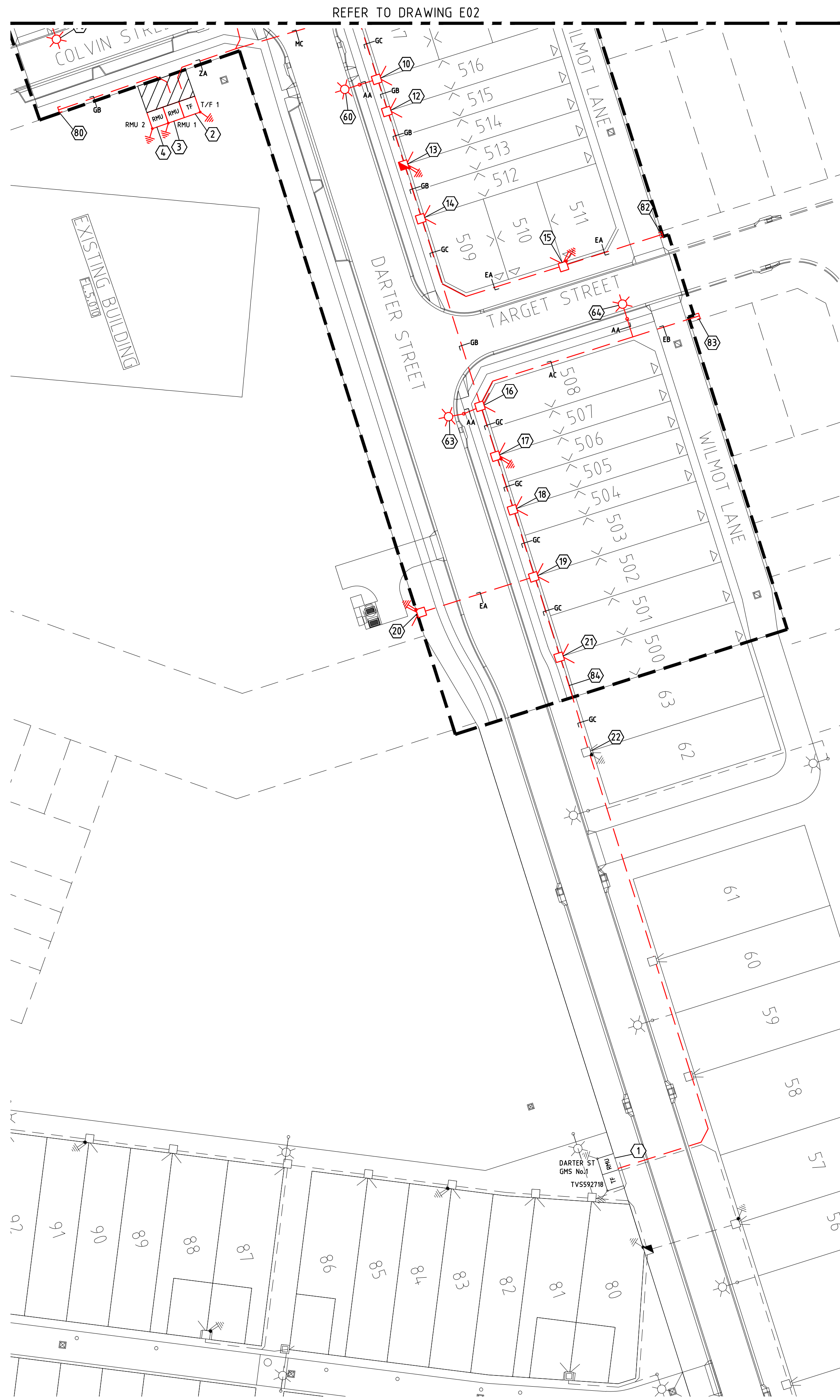
**Ashburner Francis** consulting engineers  
 ASHBURNER FRANCIS PTY LTD (A.B.N. 46 009 975 197)  
 ■ TOWNSVILLE ■ BRISBANE  
 ■ TOOWOOMBA ■ DARWIN  
 ■ PERTH

project  
**THE VILLAGE STAGE 5**  
 location  
 OONOOBNA, TOWNSVILLE

**ELECTRICAL SERVICES**  
 title  
 URD AND STREET LIGHTING LAYOUT PLAN SHEET 2 OF 2

date: FEB' 2015	scale: AS SHOWN @A1
designed: MM	drawn: MM
checked: TVH	CAD file name: 14-4-246 E02
969305	E02
job no.	sheet no. D





SITE PLAN: scale 1:500 @A1

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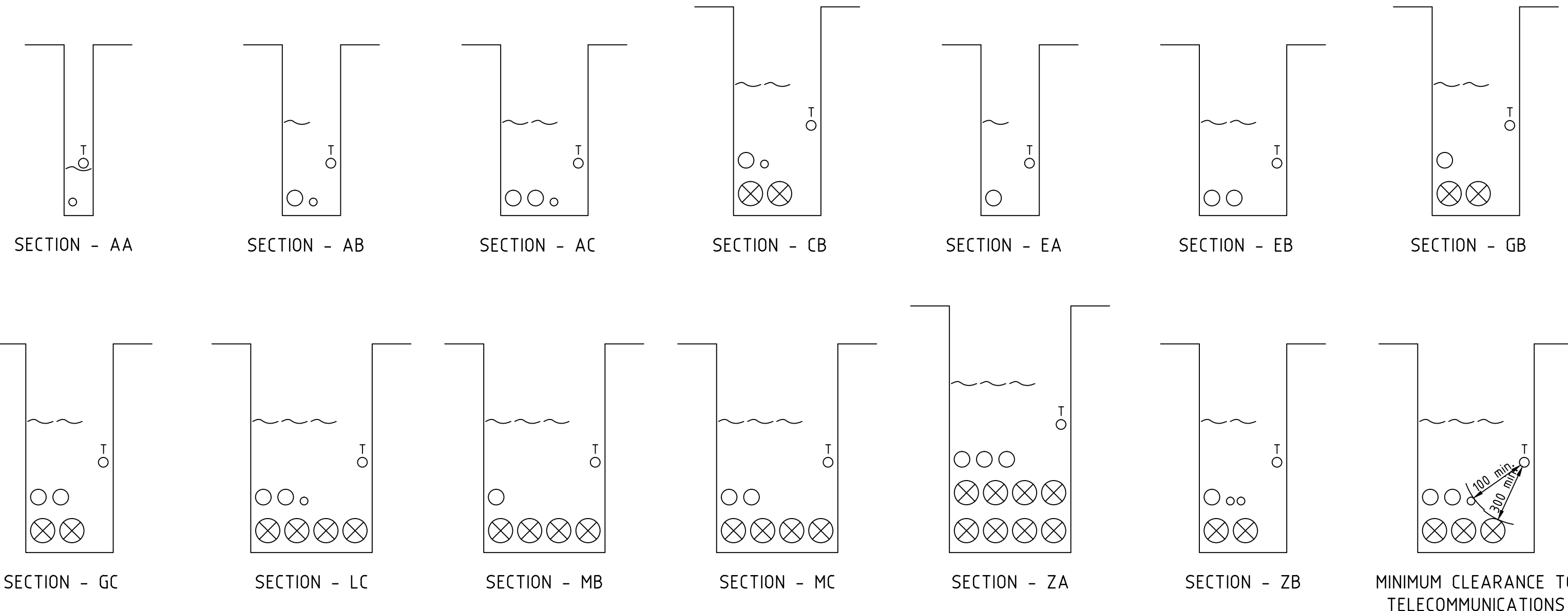
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COMPLETION DATE: .....  
NAME: .....  
SIGNATURE: .....  
DATE: .....

**LEGEND:**

- PADMOUNTED TRANSFORMER.
- EXISTING PADMOUNTED TRANSFORMER.
- RING MAIN UNIT.
- EXISTING RING MAIN UNIT.
- PILLAR
- CROSS ROAD PILLAR
- LINK PILLAR
- EXISTING PILLAR
- SERVICE CONDUITS TO LOTS
- EARTH - PLACED AS SHOWN ON DRAWING
- STATION NUMBER
- STREET LIGHT
- EXISTING STREET LIGHT
- TRENCH/UNDERGROUND CONDUIT ROUTE WHERE 'XX' INDICATES SECTION DETAIL
- EXISTING UNDERGROUND CONDUITS
- ZERO LOT BOUNDARY
- DRIVEWAY ACCESS

**CONSTRUCTION NOTES:**

- STANDARD NOTES**
- CONDUIT DEPTHS, ALIGNMENTS AND TRENCHING DETAILS REFER UNDERGROUND CONSTRUCTION MANUAL TRENCHING DRAWING 5163, PROVIDE POLYMERIC CABLE PROTECTION COVER IN ACCORDANCE WITH CONSTRUCTION PRACTICES DRAWING 5124.
  - DEVELOPER TO SUPPLY AND INSTALL CONDUITS, LIGHTING FOUNDATIONS, MARKERS AND SITE FINISH.
  - DEVELOPER TO CONTACT ERGON FOR SITE AUDITS IN ACCORDANCE WITH RSC07.
  - LOCAL COUNCIL TO ACCEPT STREETLIGHTS AND POSITIONS.
  - ALTERATION TO DESIGN - ERGON ENERGY MUST BE CONTACTED ON BEFORE PROCEEDING.
  - SPECIFICATIONS  
THIS WORKS PLAN IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ERGON ENERGY MANUALS AND SPECIFICATIONS.  
- RSC06 URD MAIN SPECIFICATION  
- RSC07 URD CIVIL WORKS  
- U/G CONSTRUCTION MANUAL  
- LIGHTING CONSTRUCTION MANUAL  
CONSUMERS INSTALLATION SHALL COMPLY WITH AS3000 2007 - SAA WIRING RULES
  - CIVIL WORKS CONSIST OF  
- ALL TRENCHING  
- ALL CONDUIT INSTALLATION  
- ALL FOUNDATIONS FOR TRANSFORMERS  
- OPENING UP AND BACKFILLING OF TRANSFORMER, RMU, PULLING PITS, PILLARS AND THE LIKE TO ALLOW FOR THE ELECTRICAL INSTALLATION.  
- OPENING UP AND BACKFILLING OF REQUESTED LOCATIONS TO ENABLE ERGON INSPECTIONS.
  - ELECTRICAL WORKS CONSIST OF  
- TRANSFORMER/RMU CONCRETE SURROUNDS  
- ALL CABLING INSTALLATION  
- LIGHT POLES, TRANSFORMERS, PILLARS AND THE LIKE
- SPECIAL NOTES**
- LIVE RETICULATION (CABLES, PILLARS AND TRANSFORMER) EXIST IN THE VICINITY OF STATIONS 1 AND 22, CONFIRM LOCATION OF ALL EXISTING INFRASTRUCTURE BEFORE DIGGING. CONNECTION TO THESE STATION NUMBER IS ERGON WORKS.
  - REQUIRE 8.0m x 9.0m SERVICES FREE ZONE IN LOT OF EXISTING DEEDI BUILDING, FOR T/F 1, RMU 1 AND RMU 2 'NOTCHED' INTO THE ROAD RESERVE. CO-ORDINATE WITH SURVEYOR.
  - STREET LIGHT CABLES IN LV SCHEMATIC ARE NOT SHOWN. FOR MINOR STREET LIGHTS USE 4sqmm 2 CORE COPPER NEUTRAL SCREENED.
  - PROVIDE MARKER BALLS AT HV CABLE JOINT LOCATIONS AND HV SPARE CONDUIT ENDS AS PER ERGON'S STANDARD SPECIFICATION. ALSO PROVIDE ADDITIONAL MARKER BALLS AS DIRECTED BY ERGON AT PRESTART.
  - WHEN REQUIRED CONCRETE ENCASE CONDUITS IN ACCORDANCE WITH ERGON STANDARDS AS PER DRAWING 5017.
  - WHEN REQUIRED CONCRETE COVER CONDUITS IN ACCORDANCE WITH ERGON STANDARDS AS PER DRAWING 5016.
  - LINK PILLAR AT STATION 13 NORMALLY OPEN TO STATION 14.
  - STREET LIGHTING IS TO AS1158 CATEGORY P4.
  - ALL P-CATEGORY (MINOR) LIGHT POLES TO BE OFFSET 1.05m FROM THE BACK OF KERB TO CENTRE OF POLE FOUNDATION UNLESS OTHERWISE NOTED.
  - ENSURE CAUTION TAPE DEPTH IS STRICTLY IN ACCORDANCE WITH ERGON STANDARD DRAWING 5163: 350±50 BELOW FINISHED SURFACE FOR FOOTPATHS AND 500±50 FOR ROADWAYS.
  - ENSURE LIGHTING CIRCUITS ARE INSTALLED IN ACCORDANCE WITH ERGON OPERATIONAL UPDATE 20120221
  - ALL MEASUREMENTS ARE TAKEN FROM CAD DRAWINGS ENSURE SITE MEASUREMENTS OF ALL CABLE AND CONDUIT LENGTHS PRIOR TO ORDERING MATERIALS.



TRENCH SECTION DETAILS: not to scale

- LEGEND**
- CAUTION TAPE ORANGE
  - TELECOMMUNICATIONS CONDUIT
  - PUBLIC LIGHTING CONDUIT
  - LV CONDUIT
  - HV CONDUIT

**FOR CONSTRUCTION**

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**Ashburner Francis** consulting engineers

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BRISBANE  
TOOWOOMBA  
DARWIN  
PERTH

project

**THE VILLAGE STAGE 5**

location  
OONOOBNA, TOWNSVILLE

**ELECTRICAL SERVICES**

title  
URD AND STREET LIGHTING LAYOUT PLAN SHEET 1 OF 2

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