

ICS HUT SPECIFICATIONS
COMMUNICATIONS SPECIFICATIONS.

- DIMENSIONS:** 2400mm x 2500mm x 2600mm MINIMUM FLOOR TO CEILING
- BASEFRAME:** HOT DIP GRADE GALVANISED BASEFRAME, FULLY ENGINEERED TO 9 KPA
- FLOOR:** 19mm CD GRADE MOISTURE PROOF STRUCTURAL PLYWOOD TONGUE AND GROOVE FLOORING THE PLYWOOD IS PRESSURE IMPREGNATED WITH THE PRESERVATIVE CHROMATED COPPER ARSENATE (CCA). CCA TREATMENT IS A HIGHLY DURABLE PRESERVATIVE, WHICH IS LETHAL TO TERMITES, OTHER INSECTS AND FUNGI
- FLOOR COVERING:** SEAM WELDED "ENDEAVOUR" 2mm VINYL SHEET FLOOR COVERING
- WALLS:** 50mm SANDWICH PANEL, 0.6mm WALL SKINS AND POLYSTYRENE FOAM CORE EXTERNAL WALL COLOUR IS IN PALE EUCALYPT
- ROOF:** 75mm SANDWICH PANEL WITH BOTH SKINS FINISHED IN OFF WHITE COLORBOND

DOOR: ICS 2050mm x 900mm CLEAR OPENING METAL CLAD DOOR UNIT IN A POWDER COATED STEEL FRAME SET, FITTED WITH THE FOLLOWING

- LOCKWOOD 3572 SERIES DEADLOCK
- ICS OH & S EMERGENCY DOOR SECURITY HINGES
- INTEGRAL ANTI JEMMY PLATE
- ONE HORIZON "D" PULL AND INTERNAL LEVER HANDLE
- PARROT BEAK HOLD OPEN DEVICE
- AUTOMOTIVE TYPE REPLACEABLE DOOR SEAL FITTED TO ALL SIDES OF DOOR FRAME SET
- ANTLIFT OFF PINS AND GUTTER TYPE DRIP MOULD

AIR CONDITIONING: JOHNSTON MAY110 3.3KW WALL MOUNTED AIR CONDITIONER (2 UNITS) FITTED INTO GALVANIZED POWDER COATED 3 POSITION STACK FRAME/SECURITY GUARD

PENETRATIONS: ONE CABLE ENTRY ALUMINIUM GLAND PLATE TO WALL (450mm x 300mm) AND 1 OFF CABLE ENTRY ALUMINIUM GLAND PLATE TO FLOOR (600mm x 200mm)

AIR EXHAUST: THE LENMIC L350A FAN WILL RUN IN ECONOMY MODE WHEN THE AMBIENT IS COOLER THAN THE INTERNAL SHELTER TEMPERATURE

ELECTRICAL:

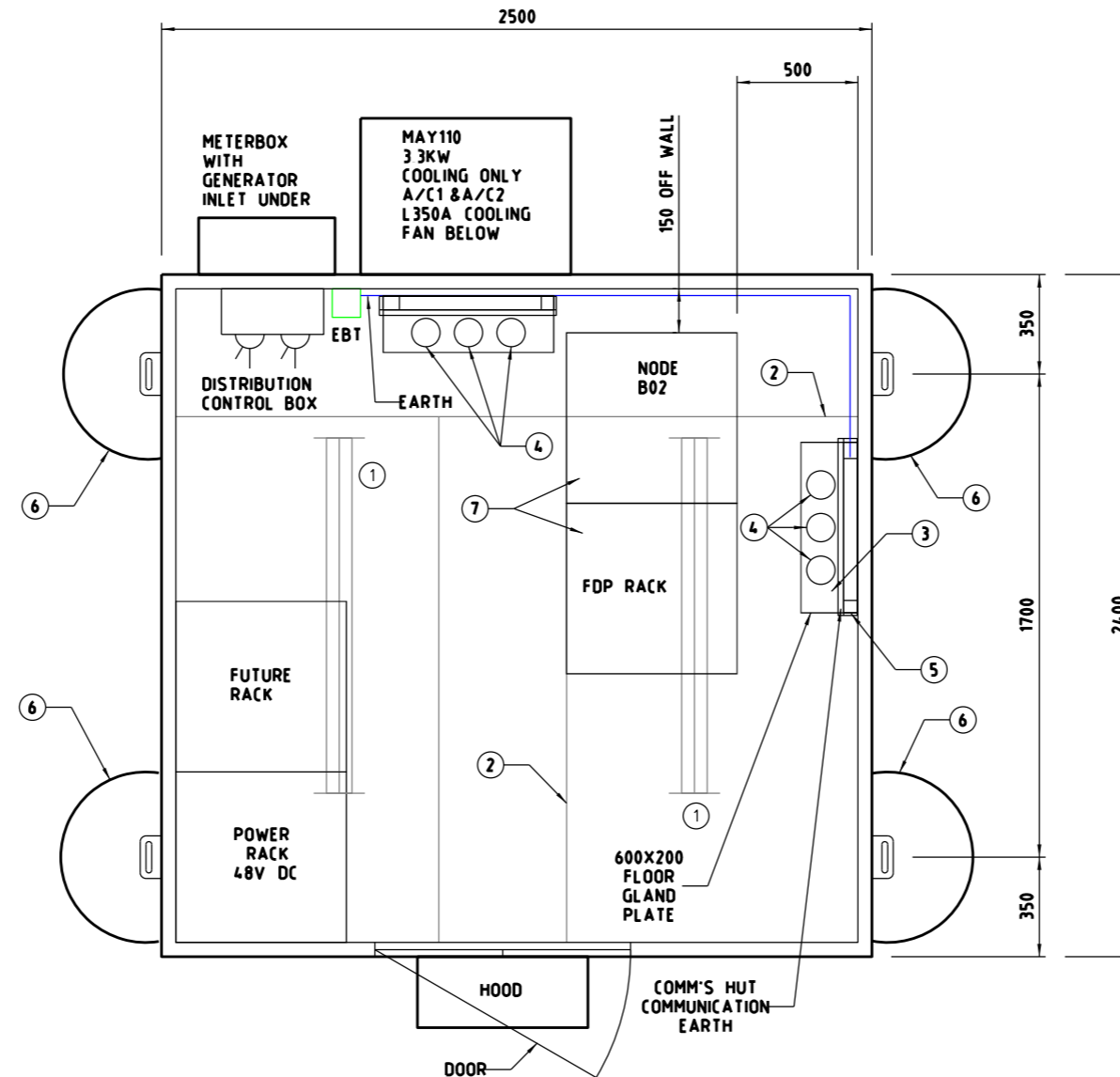
- INTEGRATED LENMIC SWITCHBOARD C/W ERICO TDX100 3 PHASE SURGE UNIT 3 PHASE MAINS/GEN/OFF CHANGEOVER SWITCH (CIRCUIT BREAKERS & RCDS FOR CIRCUITS NOMINATED 2 OFF DOUBLE GPO (ONE GPO MAYBE DISABLED DEPENDING ON SUPPLY LIMITATIONS) PUSH BUTTON TIMER SWITCH FOR INTERNAL FLUORESCENT LIGHTS PLC CONTROLLER FOR AIR CONDITIONER CONTROL & ALARM GENERATION SMOKE DETECTOR RESET BUTTON TEMPERATURE SENSOR
- 2 x TWIN 36W DIFFUSED FLUORESCENT LIGHTS
 - 1 x 24V SMOKE DETECTOR
 - POWER POINTS FOR 2 OFF CONTROLLED AIR CONDITIONERS
 - 2 x DOUBLE GPO (HIGH LEVEL)
 - EARTHING COMPRISING:
 - 1 x COMMUNICATIONS EBT (413LA)
 - 1 x 12 HOLE COMMUNICATIONS EARTH BAR & STANDOFFS
 - 16mm² CABLE FROM SWITCHBOARD EARTH BAR TO COMMUNICATIONS EBT, 35mm² CABLING FROM EBT TO COMMUNICATION EARTH BAR
 - STATE SPECIFIC METER BOX & 3 PHASE MAIN SWITCH
 - 1 PHASE 5 PIN 3x (PHASE) 15A GENERATOR INLET
 - REED SWITCH ON DOOR
 - 450 WIDE CABLE LADDER MOUNTED DIRECTLY TO CEILING

NOTES

- 1 FOR COMMUNICATIONS HUT FLOOR PLAN, REFER TO STANDARD DRAWING TC-2301
- 2 FOR COMMUNICATIONS HUT ACCESS ARRANGEMENTS AND COMPOUND LAYOUT PLAN REFER TO STANDARD DRAWING TC-2302

E				GENERAL NOTES				DESIGNED M80 UPGRADE 07/2015								STANDARD DRAWING MANAGED MOTORWAY COMMUNICATIONS HUT ELEVATIONS AND SPECIFICATIONS			
D								APPROVED W HARVEY - MANAGER											
C								ITS INFRASTRUCTURE & SYSTEM 08/2015				SCALE OF METRES N T S							
B												FILE NO							
A				REVISION OF DETAIL								CONTRACT NO							
ISSUE				APP'D				DATE				SHEET NO							
				AMENDMENT								DRAWING NO TC-2300							
												ISSUE A							

ITEM	DESCRIPTION
1	LED TUBE CEILING LIGHT
2	CABLE LADDER ON CEILING
3	600 WIDE AP TRAY
4	CABLE ENTRIES
5	COMMUNICATIONS EARTH STAKE CONNECTION TO EARTH STAKES
6	FOOTINGS
7	45RU CABINET (600X600)



PLAN
NTS

NOTES:

- FOR PIT AND CONDUIT GENERAL ARRANGEMENT. REFER TO STANDARD DRAWING TC-2209
- FOR COMMUNICATIONS HUT SPECIFICATIONS. REFER TO STANDARD DRAWING TC-2300
- FOR COMMUNICATIONS HUT ACCESS ARRANGEMENTS AND COMPOUND LAYOUT PLAN REFER TO STANDARD DRAWING TC-2302

ISSUE	APP'D	DATE	AMENDMENT
A	W H	12/2018	REVISION OF DETAIL

GENERAL NOTES

DESIGNED M80 UPGRADE 07/2015

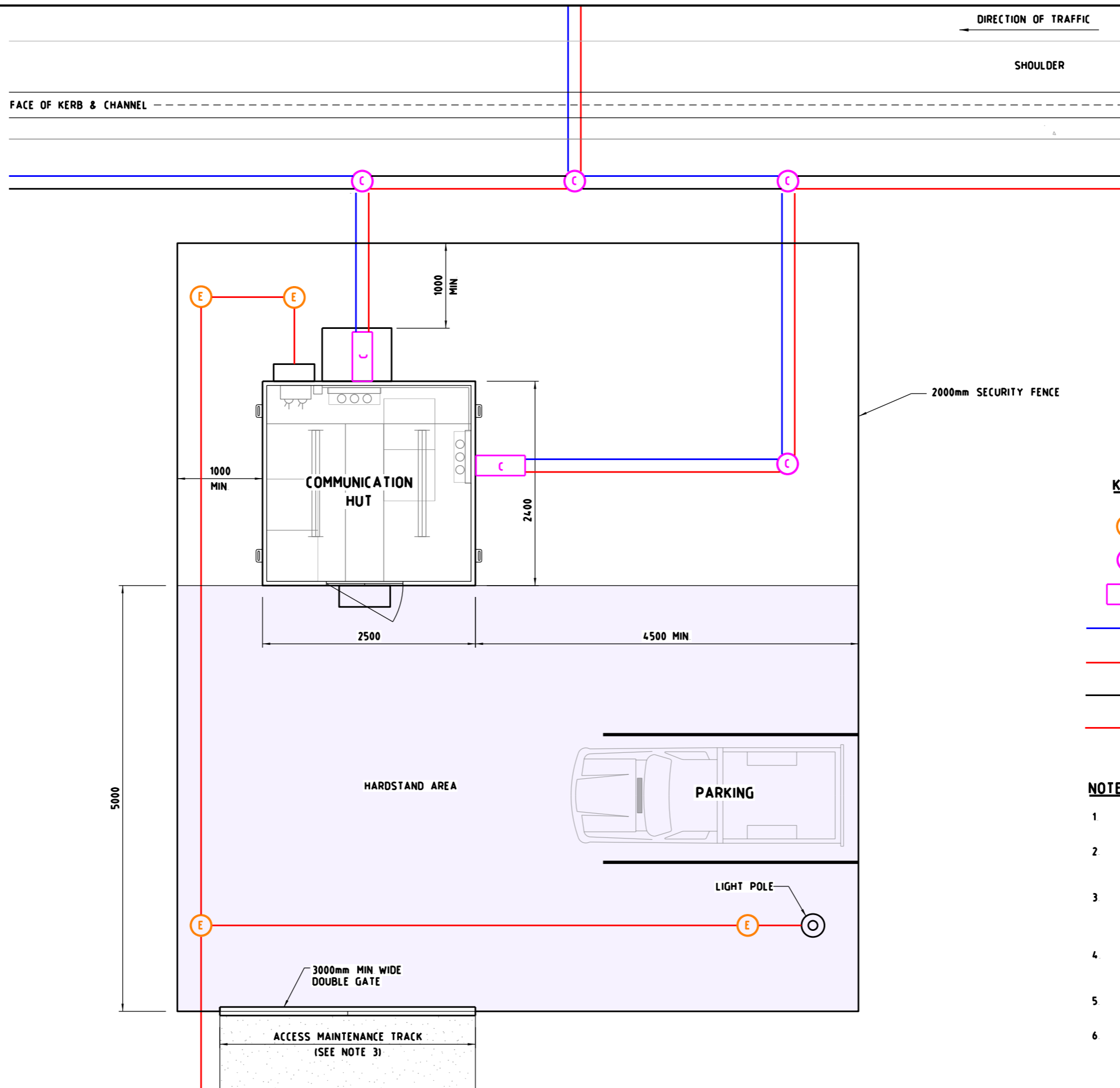
APPROVED W HARVEY - MANAGER ITS INFRASTRUCTURE & SYSTEM 08/2015

CAT. PROJ. FILE

SCALE OF METRES N T S

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STANDARD DRAWING MANAGED MOTORWAY		COMMUNICATIONS HUT FLOOR PLAN			
FILE NO	CONTRACT NO	SHEET NO	DRAWING NO	ISSUE	
			TC-2301	A	



KEY

- E ELECTRICAL PIT 750mm
- C COMMUNICATION PIT 750mm JUNCTION
- C COMMUNICATION PIT
- FIBRE OPTIC - ROUTE A IN CONDUIT
- FIBRE OPTIC - ROUTE B IN CONDUIT
- COMMUNICATIONS CONDUIT NOT USED
- ELECTRICAL CONDUIT

NOTES:

- 1 FOR PIT AND CONDUIT GENERAL ARRANGEMENTS, REFER TO STANDARD DRAWING TC-2209
- 2 FOR COMMUNICATIONS HUT ELEVATIONS, SPECIFICATIONS AND FLOOR PLAN, REFER TO STANDARD DRAWING TC-2300 AND TC-2301
- 3 ACCESS TRACK AND HARDSTAND AREA SHALL BE ON A GRADE NO STEEPER THAN 5% AND SHALL BE FREE DRAINING THE PAVEMENT SHALL COMPRISE 100mm SIZE 20 CLASS 3 CRUSHED ROCK
- 4 HIGH STANDARD CYCLONE MESH SECURITY FENCE AND GATE WITH THREE STRAND OF BARB WIRE AT THE TOP
- 5 TO SECURE THE GATE, CHAIN & PADLOCK KEYED TO VICROADS STANDARD BI-LOCK SYSTEM TO BE PROVIDED
- 6 COMMUNICATIONS HUT LAYOUT TO BE DESIGNED TO THE SATISFACTION OF VICROADS AND MUST BE APPROVED BY VICROADS PRIOR CONSTRUCTION

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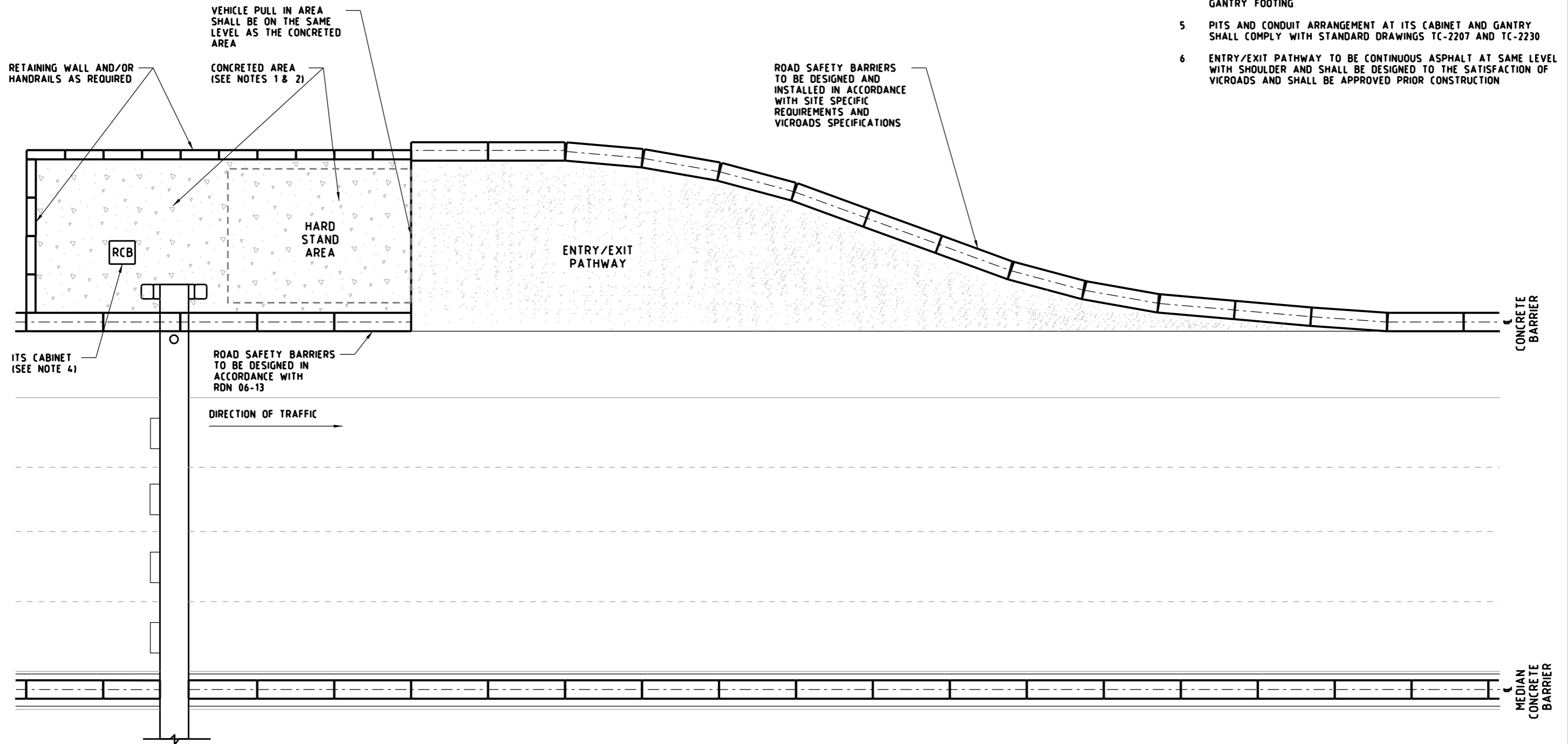
STANDARD DRAWING
MANAGED MOTORWAY

COMMUNICATIONS HUT
ACCESS ARRANGEMENTS AND
COMPOUND LAYOUT PLAN

FILE NO	CONTRACT NO	SHEET NO	DRAWING NO	ISSUE
			TC-2302	A

NOTES

- 1 CONCRETED AREAS SHALL BE PROVIDED CONSISTING OF 150mm THICK CONCRETE GRADE N32 WITH SL82 MESH ON 75mm THICK BEDDING BEDDING MATERIAL TO BE CRUSHED ROCK MATERIAL WITH CBR10 THE SLOPE GRADE SHALL NOT BE GREATER THAN 5% WITH ADEQUATE DRAINAGE PROVIDED TO AVOID WATER STAGNATION
- 2 CONCRETE AREA SHALL BE CONTINUOUS AROUND GANTRY FOOTING, ITS CABINET PLINTH, PITS AND THE HARD STAND AREA
- 3 HARD STAND AREA SHALL BE MINIMUM OF 6m IN LENGTH AND 4m WIDE, MADE OF REINFORCED CONCRETE FORMING PART OF THE LARGER CONCRETE AREA
- 4 ITS FIELD CABINET FOUNDATION AND COURTESY APRON SHALL BE DESIGNED IN ACCORDANCE WITH THE STANDARD DRAWINGS TC-2230, TC-2231 AND TC-2232 CABINETS SHALL BE LOCATED NEAR THE GANTRY FOOTING
- 5 PITS AND CONDUIT ARRANGEMENT AT ITS CABINET AND GANTRY SHALL COMPLY WITH STANDARD DRAWINGS TC-2207 AND TC-2230
- 6 ENTRY/EXIT PATHWAY TO BE CONTINUOUS ASPHALT AT SAME LEVEL WITH SHOULDER AND SHALL BE DESIGNED TO THE SATISFACTION OF VICROADS AND SHALL BE APPROVED PRIOR CONSTRUCTION



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SCALE OF METRES N T S

HOR VER

STANDARD DRAWING
MANAGED MOTORWAY

ITS CABINET ACCESS ARRANGEMENTS
TYPICAL ARRANGEMENT AT GANTRIES

FILE NO	CONTRACT NO	SHEET NO	DRAWING NO	ISSUE
			TC-2303	A