PROPOSED BRIDGE - CIVIL WORKS

MUNMORAH BRIDGE OVER HAMMOND CANAL

STATION ROAD,
COLONGRA

NORTHROP

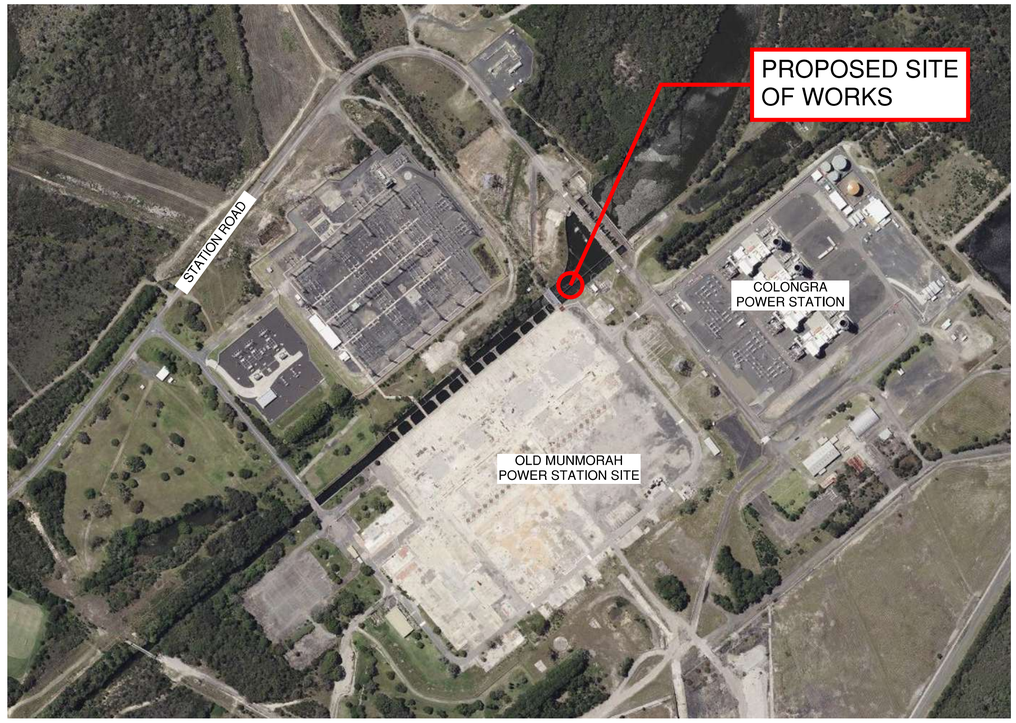

FIGURE 1 - LOCALITY PLAN
SOURCE SIX MAPS

DRAWING SCHEDULE

C01.00	COVER SHEET
C01.10	GENERAL ARRANGEMENT PLAN
C01.20	SITE WORKS PLAN SHEET 1 OF 2
C01.21	SITE WORKS PLAN SHEET 2 OF 2

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PARTNERS

GPM
Generator Property Management

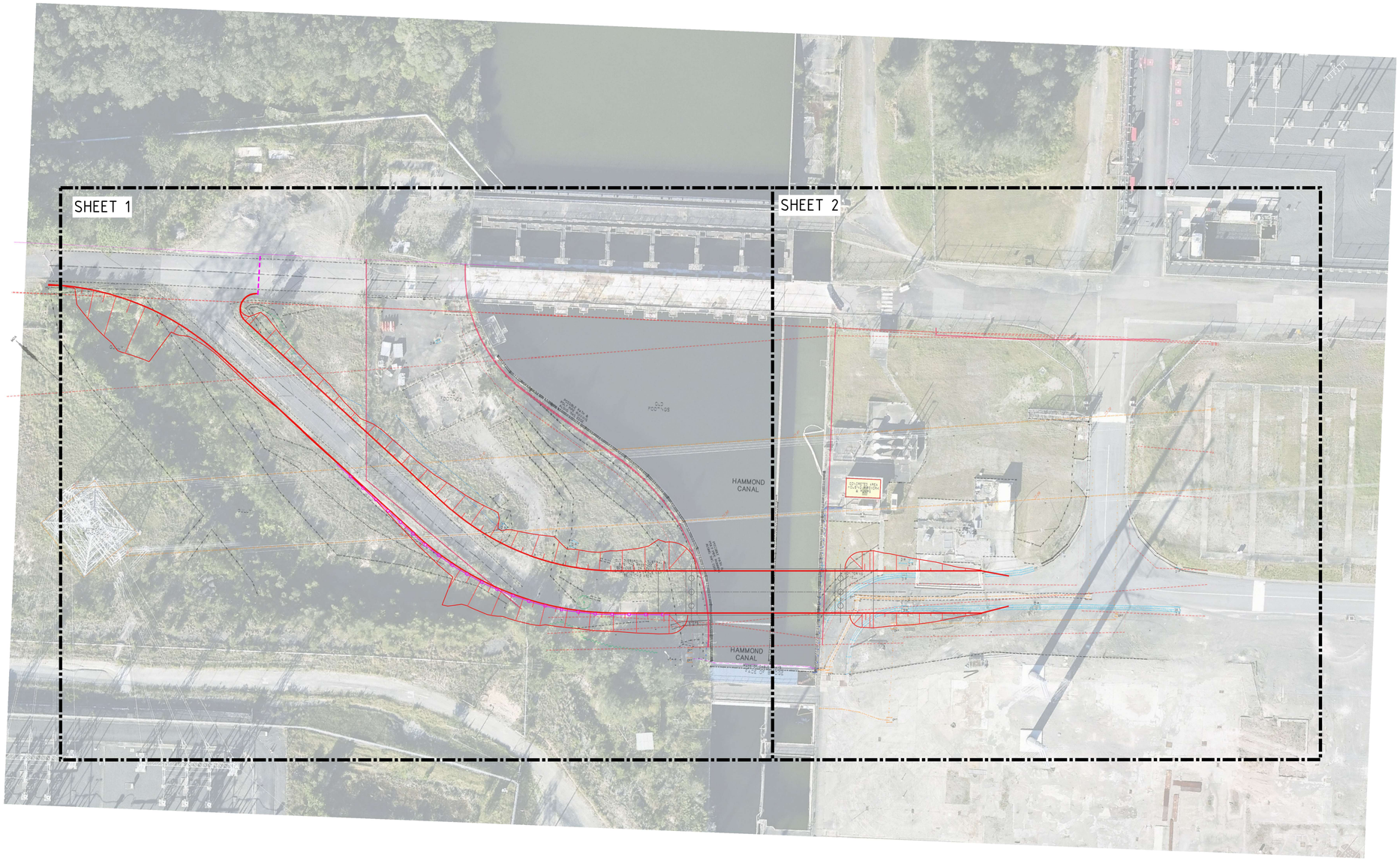
DRAWN P CORNISH
DESIGNED P CORNISH
JOB MANAGER P CORNISH
VERIFIER

REV.	DESCRIPTION	ISSUED	DATE
1	ISSUE FOR INFORMATION	PC	17.09.25

PROJECT
MUNMORAH BRIDGE OVER HAMMOND CANAL
ADDRESS
STATION ROAD, COLONGRA

DRAWING
COVER SHEET

JOB No.
CI251342
DRAWING No.
C01.00
REV.
1



SCALE 1:500@ A1 0 5 10 15 20 25m

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DRAWING
GENERAL ARRANGEMENT PLAN

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CI251342

DRAWING No.
C01.10

REV.
1

DUE TO WHAT APPEARS TO BE A CLOSURE OF THE EXISTING ROAD. THE CONTRACTOR MAY WISH TO CONSIDER A THROUGH TYPE ARRANGEMENT TO REDUCE PAVEMENT WORKS

CONCRETE BARRIER INSTALLATION

CONTRACTOR TO CONSIDER THE INCLUSION OF A SAFETY BARRIER OR PROTECTION TERMINAL AT THIS LOCATION DUE TO ADJACENT HEADWALL

EXISTING FENCE TO BE REMOVED

CONTRACTOR TO CONFIRM NO INLET HEADWALLS OR THE LIKE TO ENSURE (1) NO OUTLET STRUCTURE REQUIRES ADJUSTMENT AND (2) THAT FILLING WITHIN THE EXISTING GULLY IS NOT PROBLEMATIC BY REDUCING FLOW CONVEYANCE CAPACITY

CONTRACTOR TO CONFIRM INTERSECTION LIGHTING REQUIREMENTS CONSIDERING A DROP OFF IN THE ORDER OF WHAT APPEARS TO BE 2-3m INTO THE ADJACENT GULLY.

IT IS ALSO RECOMMENDED A SAFETY BARRIER IS PROVIDED AT THIS LOCATION.

GRASS LINED DRAINAGE SWALE TO DIVERT WATER TO DOWNSTREAM DRAINAGE STRUCTURE(S).

PROPOSED 9.0m WIDE CARRIAGE WAY WITH CONCRETE FLUSH KERB TO MINIMISE EROSION OF THE PAVEMENT BASE AND SUBBASE

2 x 3.5m THROUGH LANES
2 x 1.0m SEALED SHOULDERS

ALLOW TO REMOVE CONCRETE SLAB

EXISTING DRAINAGE STRUCTURES TO BE RETAINED

SIZE OF EXISTING DRAINAGE LINES TO BE CONFIRMED TO ENSURE SUITABILITY

ASSUMED REDUNDENT FOOTINGS

GRASS LINED DRAINAGE SWALE TO DIVERT WATER TO DOWNSTREAM GULLY. ALLOW FOR CHECK DAMS OR SIMILAR

ALLOW TO REMOVE EXISTING FENCE

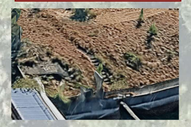
CONTRACTOR TO CONFIRM PATH ACCESS NO LONGER REQUIRED AND CONFIRM POLY PIPE. PROVIDED THE PIPE IS AGAINST THE CANAL WALL, THIS SHOULD BE ABLE TO BE RETAINED WITH A VOID BETWEEN BRIDGE STRUCTURE AND EXISTING GROUND LEVELS

ALLOW TO LOCALLY GRADE BENEATH BRIDGE STRUCTURE TO DRAIN

SAFETY BARRIERS WITH TERMINAL TO BE PROVIDED BOTH SIDES

ASSUMED REDUNDENT FOOTINGS

CONTRACTOR TO INVESITGATE WHETHER EXISTING STAIRS ARE TO BE RETAINED, ASSUMING THESE ARE TO BE RETAINED WHERE WILL THE ACCESS BE COMING FROM AND MAKE AN ALLOWANCE TO RECONSTRUCT / MODIFY STAIRS



GULLY

OLD FOOTINGS

OLD FOOTINGS

HAMMOND CANAL

HAMMOND CANAL

FACE OF CANAL

FACE OF BR

ADJOINS SHEET 2

LEGEND

- PROPOSED BATTER
- PROPOSED GUARD RAIL
- PROPOSED SWALE / DRAIN
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIPE (INDICATIVE)
- EXISTING STORMWATER PIT
- PROPOSED PAVEMENT - SEE ADJACENT TABLE
- PROPOSED PROTECTION SLAB - SEE DETAIL 1
- HYDROMULCH / TURF OR SIMILAR

SCALE 1:250@A1 0 2 4 6 8 10 12m

Component	Thickness (mm)	Material	Comments
Dense Graded Asphalt	75	Class 320 binder	To Austroads Guide to Pavement Technology Part 3: Pavement Surfacings
Base	150	DGB 20	To TfNSW R71. Compacted to achieve minimum 100% Standard Maximum Dry Density (SMDD) at ±2% Optimum Moisture Content (OMC)
Subbase	200	DGB 40	To TfNSW R71. Compacted to achieve minimum 100% SMDD at ±2% OMC
Subgrade	As necessary to achieve design height.	Treated material as recommended by geotechnical engineer. Possible to reuse existing pavement subgrade.	Compacted to achieve minimum 100% SMDD at +/- 2% OMC. Acceptance criteria - no deformation under rolling. Remove the affected materials, replace them with fresh material with a CBR of ≥ 3% and reshape and re-compact the materials as specified.

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MUNMORAH BRIDGE OVER HAMMOND CANAL

ADDRESS
STATION ROAD, COLONGRA

DRAWING
SITE WORKS PLAN
SHEET 1 OF 2

JOB No. CI251342
DRAWING No. C01.20
REV. 1

Component	Thickness (mm)	Material	Comments
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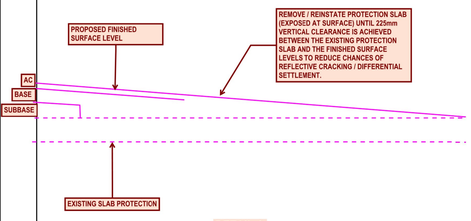
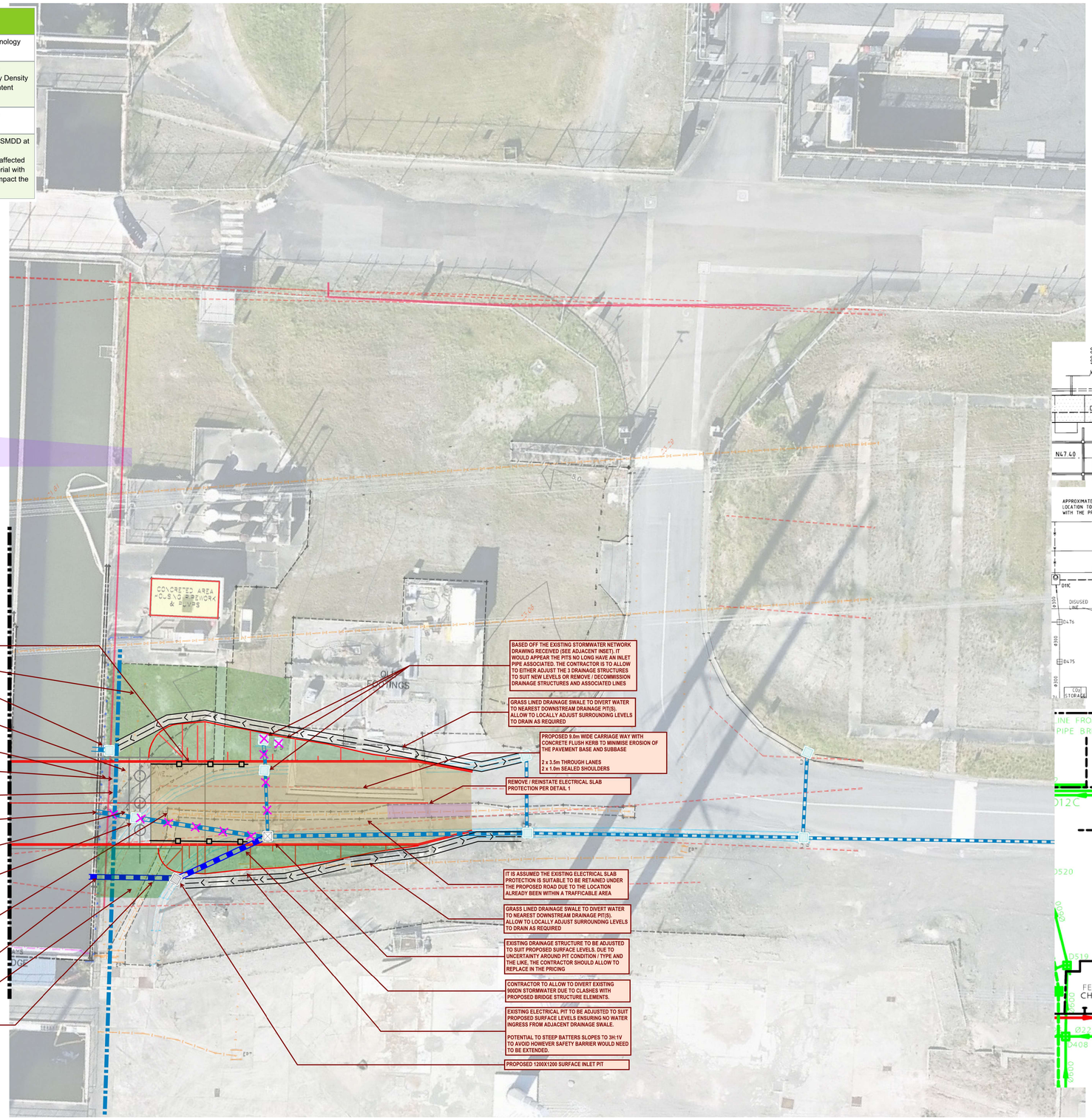


DETAIL 1



LEGEND

- PROPOSED BATTER
- PROPOSED GUARD RAIL
- PROPOSED SWALE / DRAIN
- PROPOSED STORMWATER PIPE
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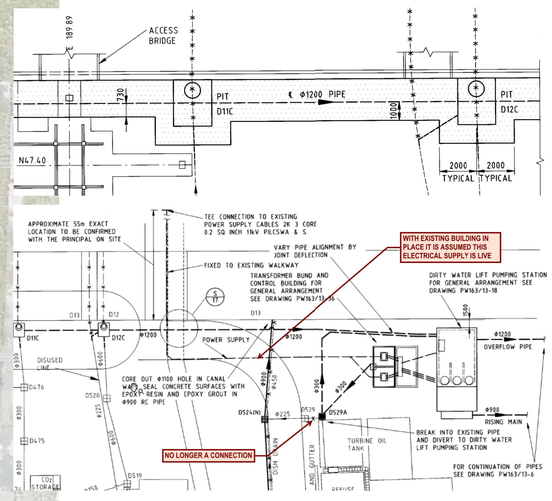

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DRAWING
SITE WORKS PLAN
SHEET 2 OF 2

JOB No. CI251342
DRAWING No. C01.21
REV. 1