



- FENCE NOTES**
- General
- A. All steel materials shall be of good commercial quality, galvanized steel.
- B. All pipes shall be galvanized (one piece without joints).
- C. All steel surfaces shall be prepared for galvanizing by being shot/grit blasted to SA2 according to Swedish standard SIS05-59:00.
- D. All steelwork shall be galvanized to SANS 121 for heavy duty application.
- E. Galvanized items shall further be marine fusion coated to a minimum thickness of 600 microns.
- F. Provision shall be made for earthing of the substation fence as well as the section underneath the overhead lines.
- A. Post:
- Post shall be 2.7m long Taper Locking Post.
  - Post width shall be 85mm - tapering to 45mm with a depth of 85mm.
  - Post shall include 'Locking Recess Mechanism' to secure panel edge.
  - Post finish shall be Galvanized.
  - Fence post foundation shall be 600mm x 400mm x 400mm 15Mpa concrete.
  - Gate post foundation shall be 800mm x 600mm x 600mm brought up to 50mm above ground level.
- B. Panel:
- Panel shall be of 3.305m maximum width and 2.4m in height. Minimum wire diameter of 3.5mm.
  - Panel aperture size (centres) shall be to a maximum of 77mm x 13mm (Measured between the centres of the wires).
  - The panel shall be reinforced with 4 x 50mm deep 'V' formation horizontal recessed bands (rigidity).
  - Panel shall have 2 x 70° flanges along sides (internal fixtures - all fixtures shall be on the inside of fence line).
  - Panel shall have 1 x 30° flanges along toe and 1x 90° top (integrated rigid angle).
  - Panel post shall have a flush panel post finish with no climbing aid.
  - Panel shall be affixed to post over 48 line wires using 16 x Single bolt comb clamps using Anti vandal bolts.
  - Panel and fixtures shall be Galvanized.
  - Toughened solid steel strips to be installed at 150mm vertical intervals and at the top and bottom of the panel.
  - No panels or posts may be modified on site and final fence position to be approved by engineer before construction commences.

- FENCE LEGEND**
- (A) 2.4m HIGH STEEL WIRE MESH FENCE WITH SHARK TOOTH SPIKES WITH RAZOR-WIRE ELECTRICAL FENCE ON TOP AND EMBEDDED 50mm INTO CONCRETE.
- (B) GALVANIZED POST
- (C) GALVANIZED SINGLE BOLT COMB CLAMPS.
- (D) FOUNDATION TO BE SPECIFIED BY CIVIL ENGINEER.
- (E) GALVANIZED RECTANGULAR TUBE GATE FRAME.
- (F) GATE WHEEL
- (G) GATE RAIL - ROUND BAR, FIXED TO IPE, CONCRETE SLAB TO BE ABLE TO ACCOMMODATE AT LEAST AN 8 TON TRUCK.
- (H) GATE GUIDE
- (I) GATE GUIDE WHEELS
- (J) STOPPER
- (K) ANTI LIFT
- (L) GRAB HANDLE
- (M) T-SLIDE LOCK WITH LOCK BOX
- (N) 400mm WIDE AND 350mm DEEP CONCRETE GROUND BEAM

The reference made to Engineer will also refer to Employer's Agent for GCC 2015 Contracts

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All dimensions must be verified on site before the works commence. Refer any discrepancies to the Engineer.

REV	DESCRIPTION	DATE	REV BY	CHKD
C	NEW GAURDHOUSE	24-04-08	WO	LVE
B	FOR TENDER	24-03-14	NL	BV
REVISIONS				

DESIGNED	BV	'24-04
DRAWN	WO	'24-04
CHECKED	TP	'24-04

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**LYNERS**

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APPROVED

ENGINEERS: \_\_\_\_\_

DATE: 2024-03-11

APPROVED

CLIENT: \_\_\_\_\_

DATE: \_\_\_\_\_

CLIENT

**GEORGE**

THE CITY FOR ALL REASONS

PROJECT

**ENG 003/2024 SS GWAIING**

TITLE

**SITE LAYOUT  
(Erf 2189)**

SCALE on A1  
1:2000

SHEET  
1 OF 1

CONTRACT No.

PROJECT No.  
22063E

DRAWING No.  
22063-E-301

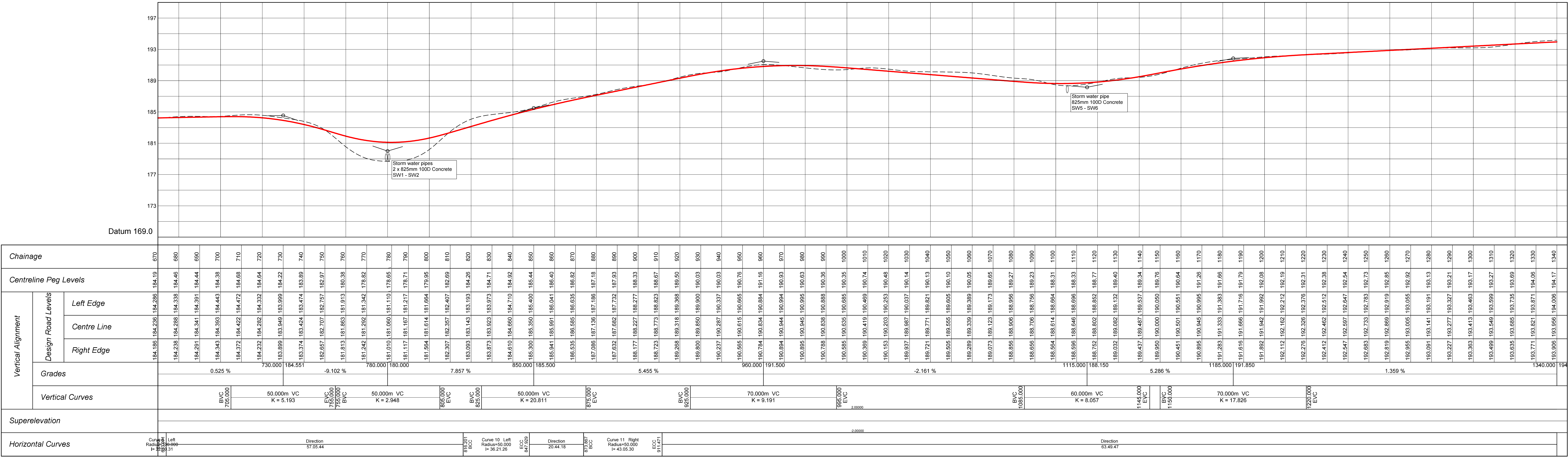
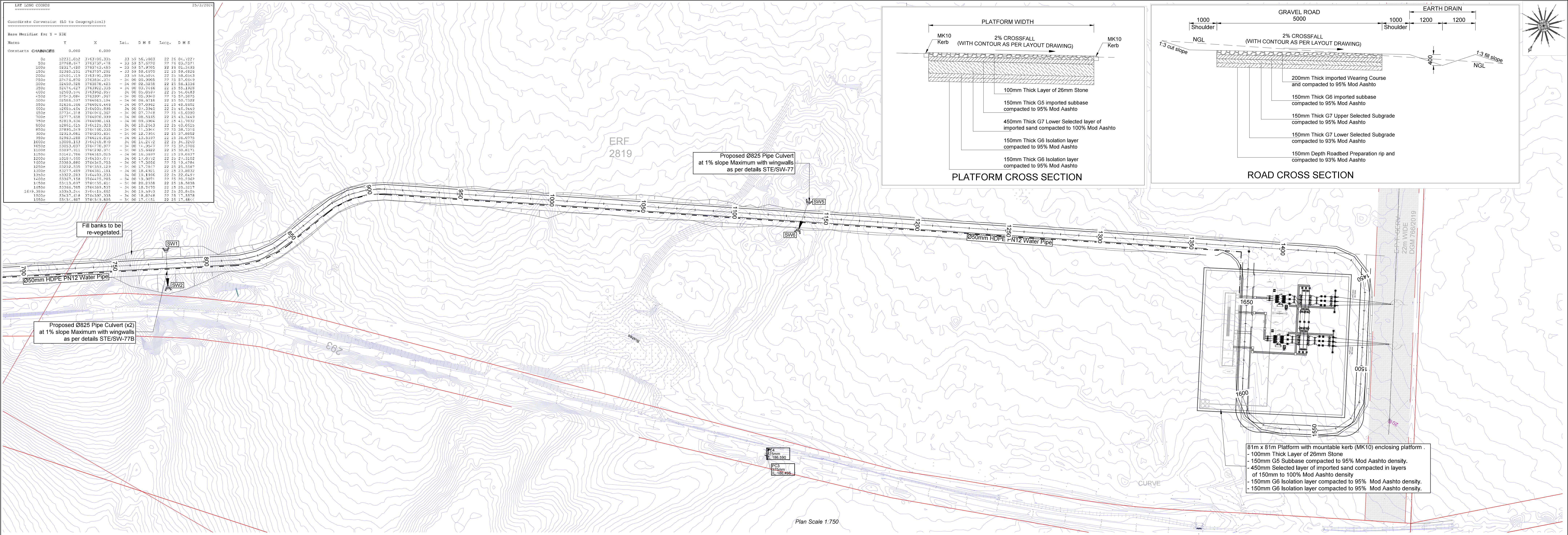
REV  
C

COORDINATE SYSTEM: WGS84 / Lo23









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DESIGNED

DRAWN

CHECKED

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APPROVED

CONSULTING ENGINEERS:

SIGNATURE:

DATE:

APPROVED

CLIENT REPRESENTATIVE:

SIGNATURE:

DATE:

CLIENT

GEORGE MUNICIPALITY

PROJECT

NEW 8MW PV PLANT FOR GEORGE MUNICIPALITY

TITLE

ACCES ROAD LAYOUT PLAN  
SHEET 2 OF 2

SCALE

1:750 (A0)

SHEET

-

CONTRACT No.

-

PROJECT No.

22063E

DRAWING No.

22063CG - 02

DATE OF FIRST ISSUE:

REV

A