

Client

Green Switch Australia

Notes











1. Design is concept only. Not for construction.
2. PV system and associated equipment shall have set-back from security fence of minimum 10m.
3. Construction set-down areas to be temporary, with trackers installed over areas at end of installation.
4. Equipment layout within Project Security Fence area may change to accommodate various equipment options available at time of construction.
5. 33kV Inverter Station feeders and Communication Lines to cross Walla Walla Jindera Road, and Sparkes Road, adjacent and parallel to access track crossing the road corridors, in cable trenches or overhead powerlines.

INDICATIVE SYSTEM SPECIFICATIONS

DC: 149.03 MWp
AC: approx. 120MWp
Module Capacity: 380 Wp
Module Type: Hanwha Q Cells Q PEAK D-L G5-2-380
Number of Panels: 28
Total Modules: 392.196
Inverter Capacity: 2.73 MW
Inverter Name: SMA SCZ730-EV
Total Inverters: 49
Inverter Stations: 26

Pitch: 5.5 m
PV Module Dimensions: 2.015mm x 1000mm x 35mm
Ground Coverage Ratio: 0.336
PV Framework: Single Axis Tracker (84-modules)
Number of Trackers: 469
Tracker Dimensions: 85.66m x 2.02m
Tracking Range: +/- 60° E-W Tracking

Legend:

- | | |
|---|--|
|  | Property Boundary |
|  | Security Fence |
|  | 10m Setback from the Fence |
|  | Inverter Station 33kV Underground Feeder |
|  | Existing HV OH Line |
|  | HV OH Line Easment |
|  | 132kV OH Feeder |
|  | Inverter Station |
|  | New Road (3.5m wide) |
|  | Conservation Area |

INDICATIVE PLAN

Project: **Jindera Solar Farm**

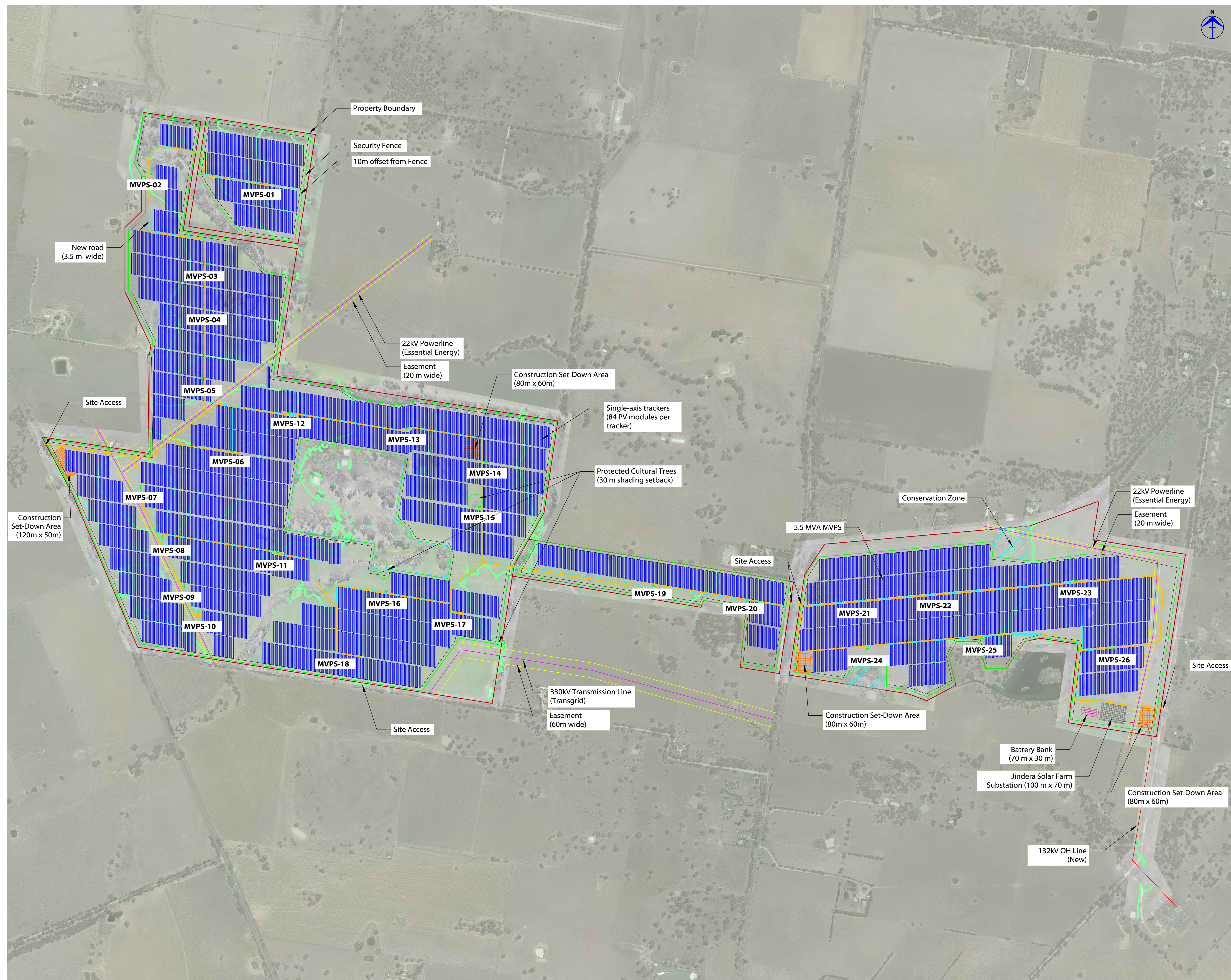
Title: **Site Overview**

Dwg No: J2104-100 Rev: P9

P9	23/05/19	Updated site access	DD	KT
P8	02/04/19	Updated notes	DD	KT
P7	01/04/19	Updated as per comments	DD	KT
P6	28/03/19	Site boundary edits	DD	KT
P5	24/03/19	Updated as per comments	DD	KT
P4	19/03/19	Boundary and array updates	DD	CM
P3	23/10/18	Updated site boundary	DD	KT
P2	05/10/18	Updated as per comments	DD	CM
P1	01/10/18	Preliminary Issue	DD	CM
Rev	Date	Comments	Dwn	Chkd

Dwn: DD Chkd: CM Date: 01/10/18

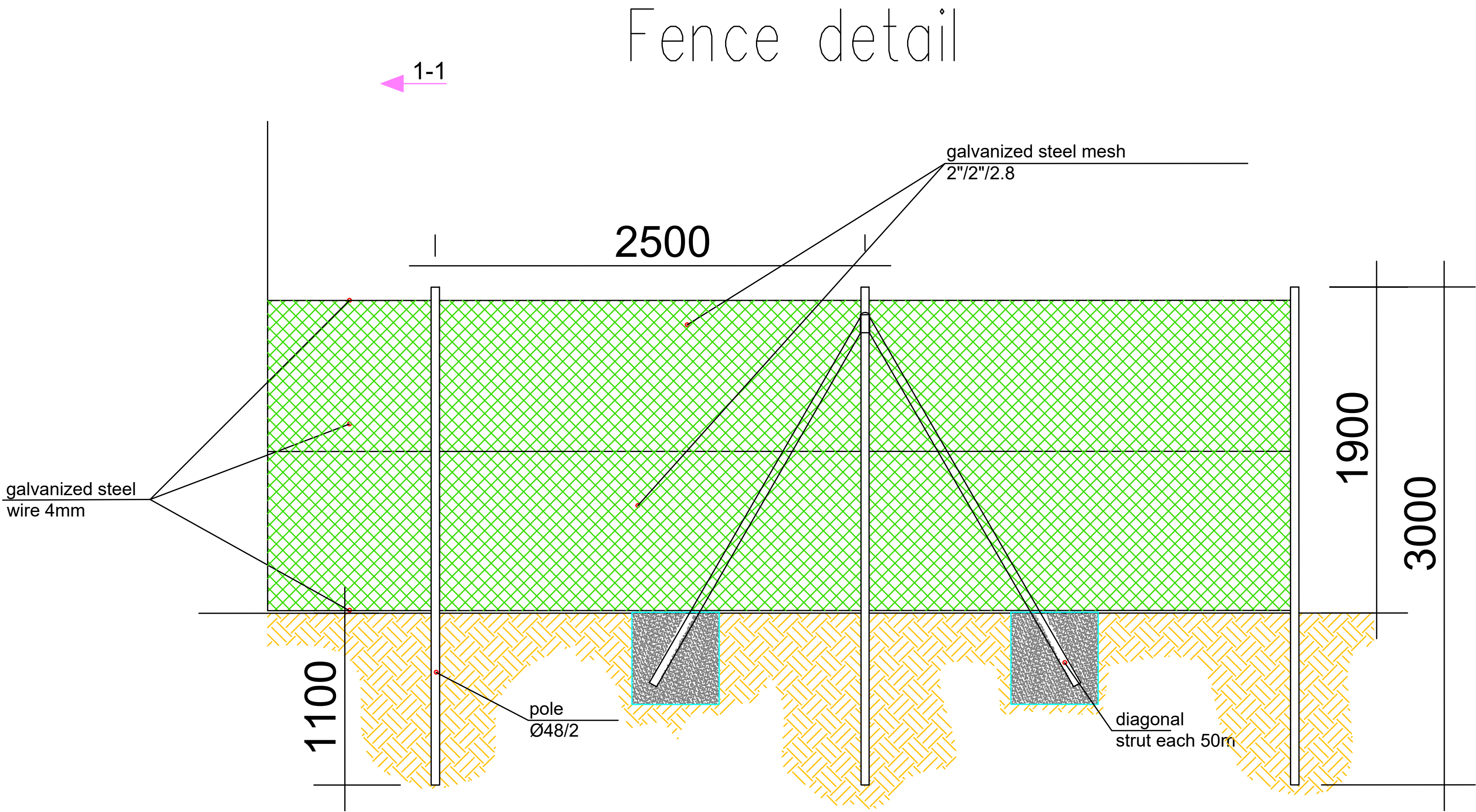
Job No: J2104 Scale: 1:7000@A



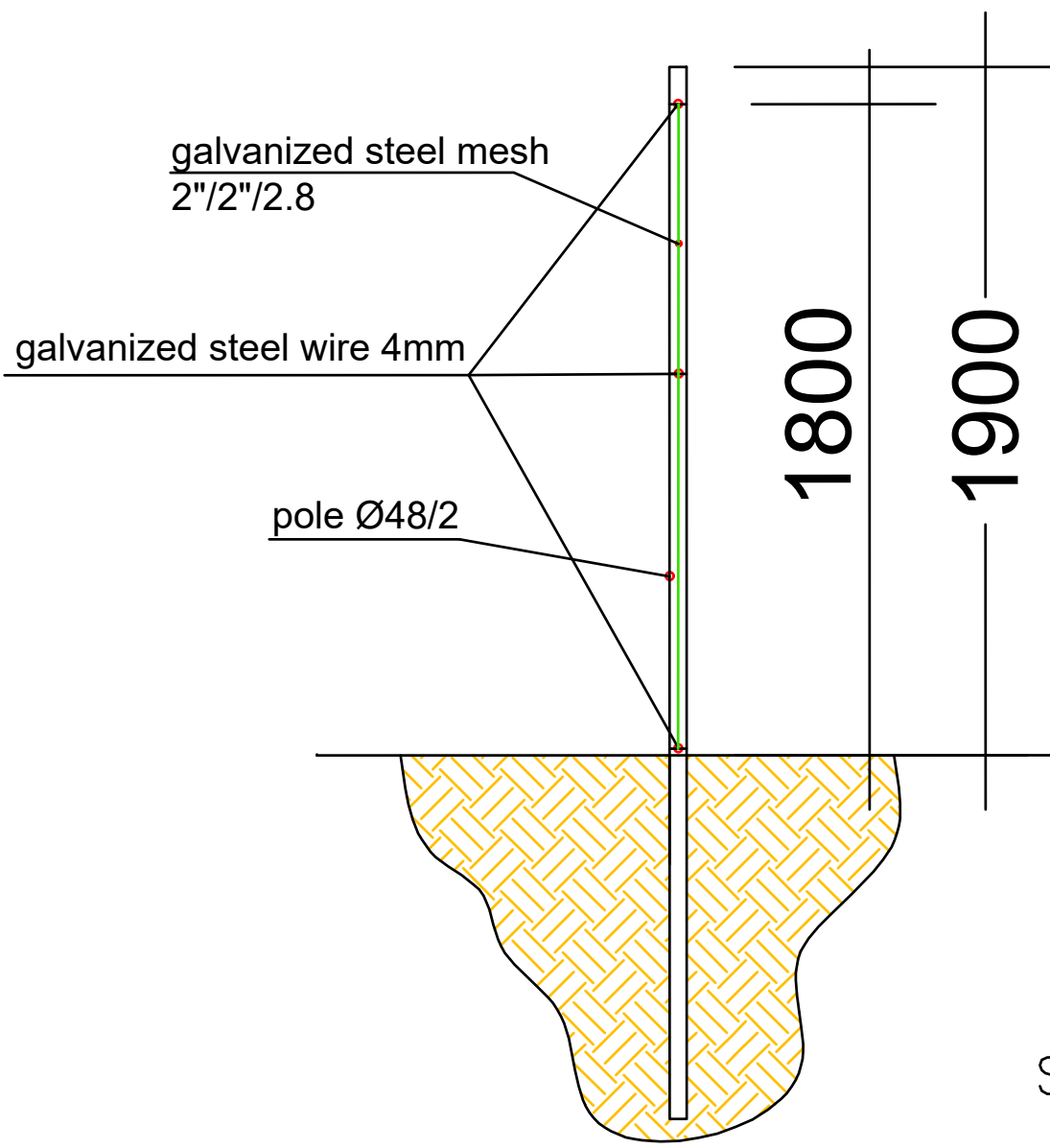
Client:

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- Notes:
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 - All dimensions in mm unless otherwise stated.



Fence cross section
1-1



subject to geotechnical study

INDICATIVE PLAN

Project: Jindera Solar Farm

Title: Fencing Elevation

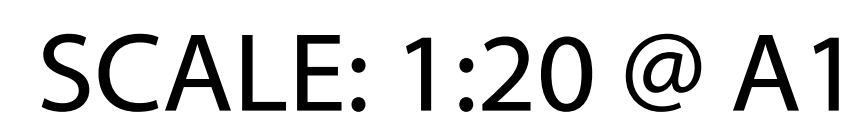
Dwg No: J2104-200

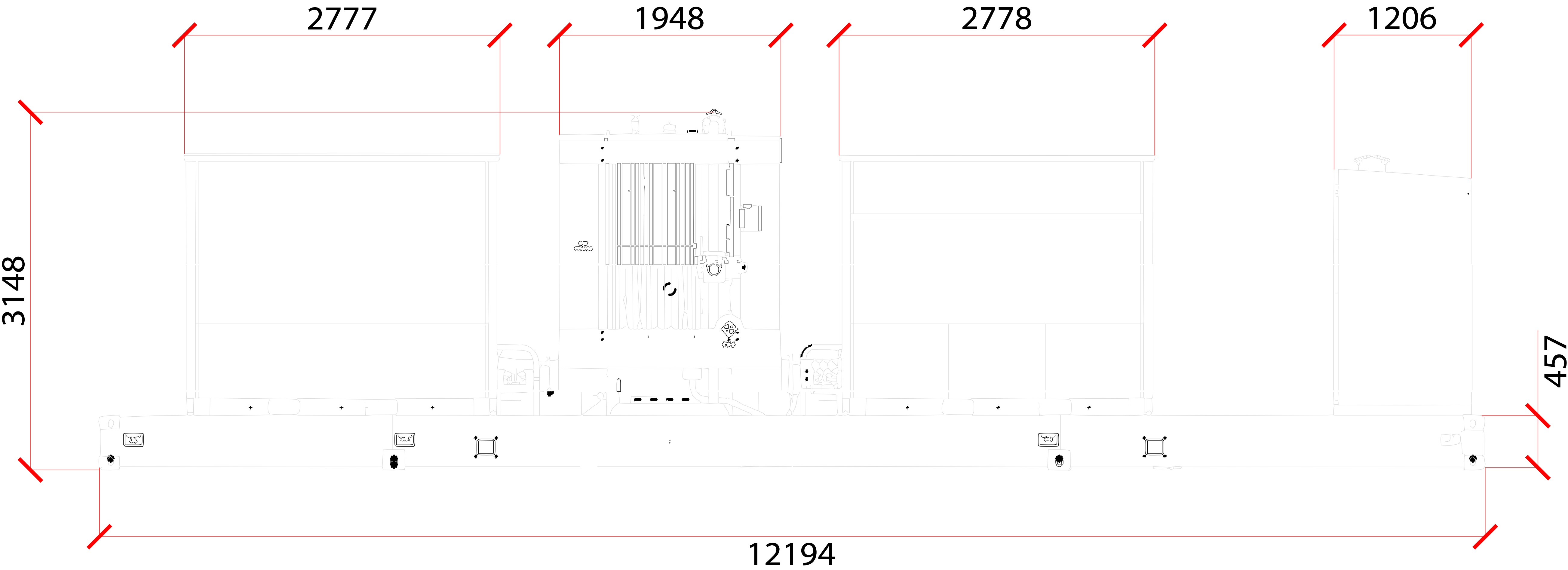
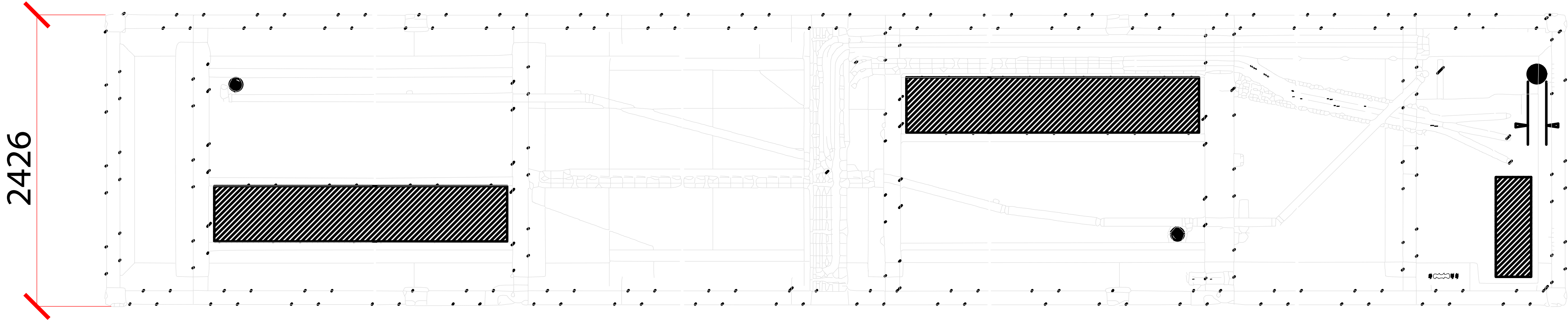
Rev: P1

Rev	Date	Comments	Date	Dwn	Chkd
P1	08/04/19	Indicative for DA		DD	CM
Job No: J2104					
Scale: 1:20@A1					



SCALE: 1:150 @ A1





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BEACHING IS TO BE TYPE 3 (NOMINAL SIZE 300mm WITH SIZES EVENLY GRADED AND PLACED ENSUREING THAT THERE ARE NO VOIDS) PLACED OVER BIDIM A44 GEOTEXTILE OR EQUIVALENT TO BE CONSTRUCTED AS PER DWG SD02.

A44 GEOTEXTILE ON UPSTREAM AND DOWNSTREAM ENDS GEOTEXTILE TO BE TIED IN.

TYPICAL BEACHING DETAIL

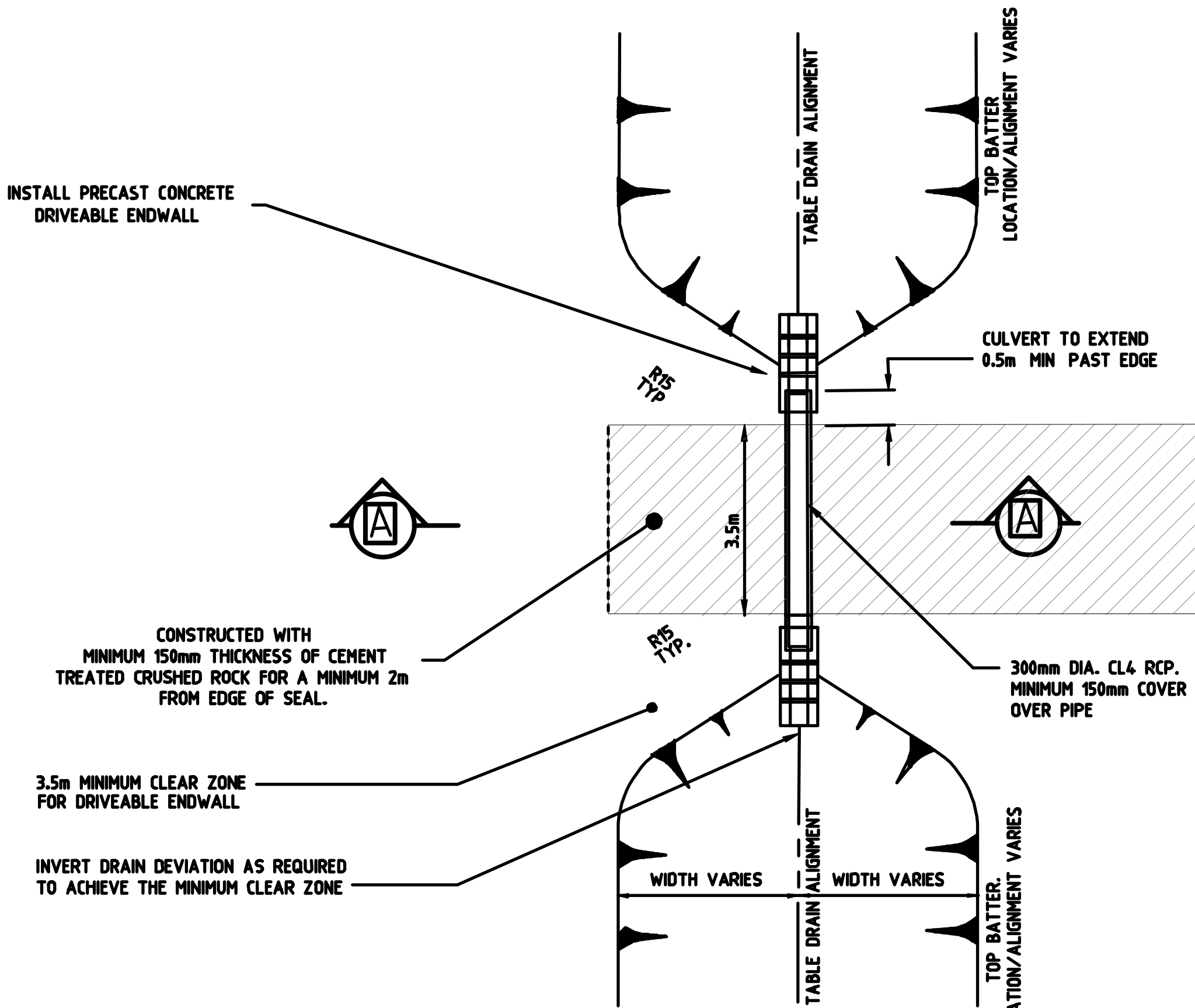
SCALE: N.T.S.

BEACHING IS TO BE TYPE 3 (NOMINAL SIZE 300mm WITH SIZES EVENLY GRADED AND PLACED ENSUREING THAT THERE ARE NO VOIDS) PLACED OVER BIDIM A44 GEOTEXTILE OR EQUIVALENT TO BE CONSTRUCTED AS PER DWG SD02.

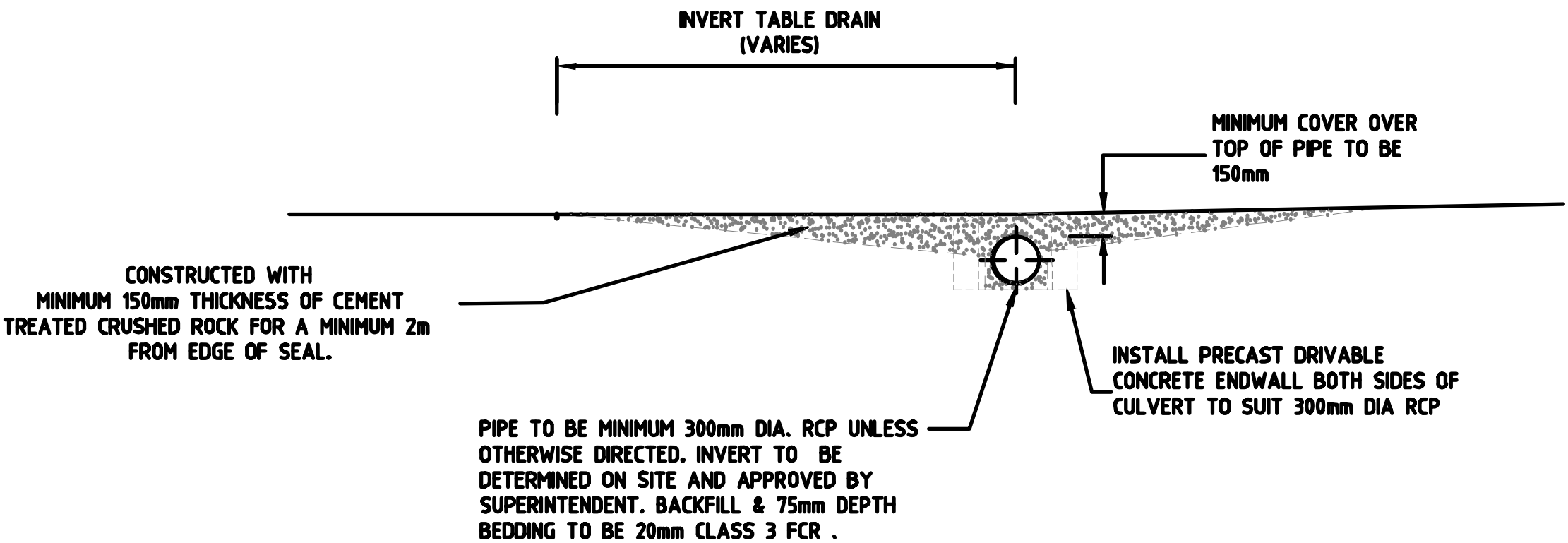
A44 GEOTEXTILE ON UPSTREAM AND DOWNSTREAM ENDS GEOTEXTILE TO BE TIED IN.

**TYPICAL BEACHING
EDGE DETAIL**

SCALE: N.T.S.



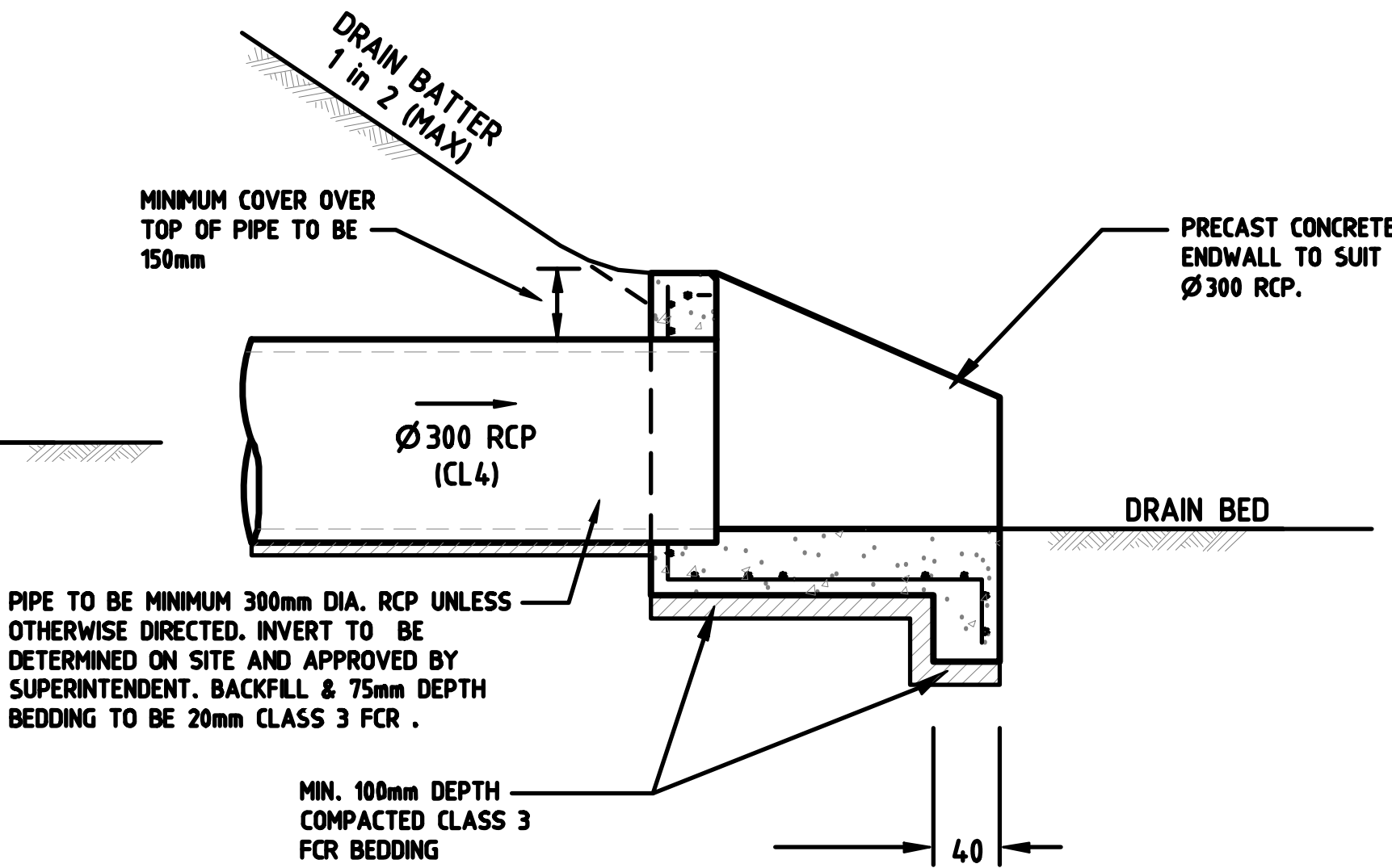
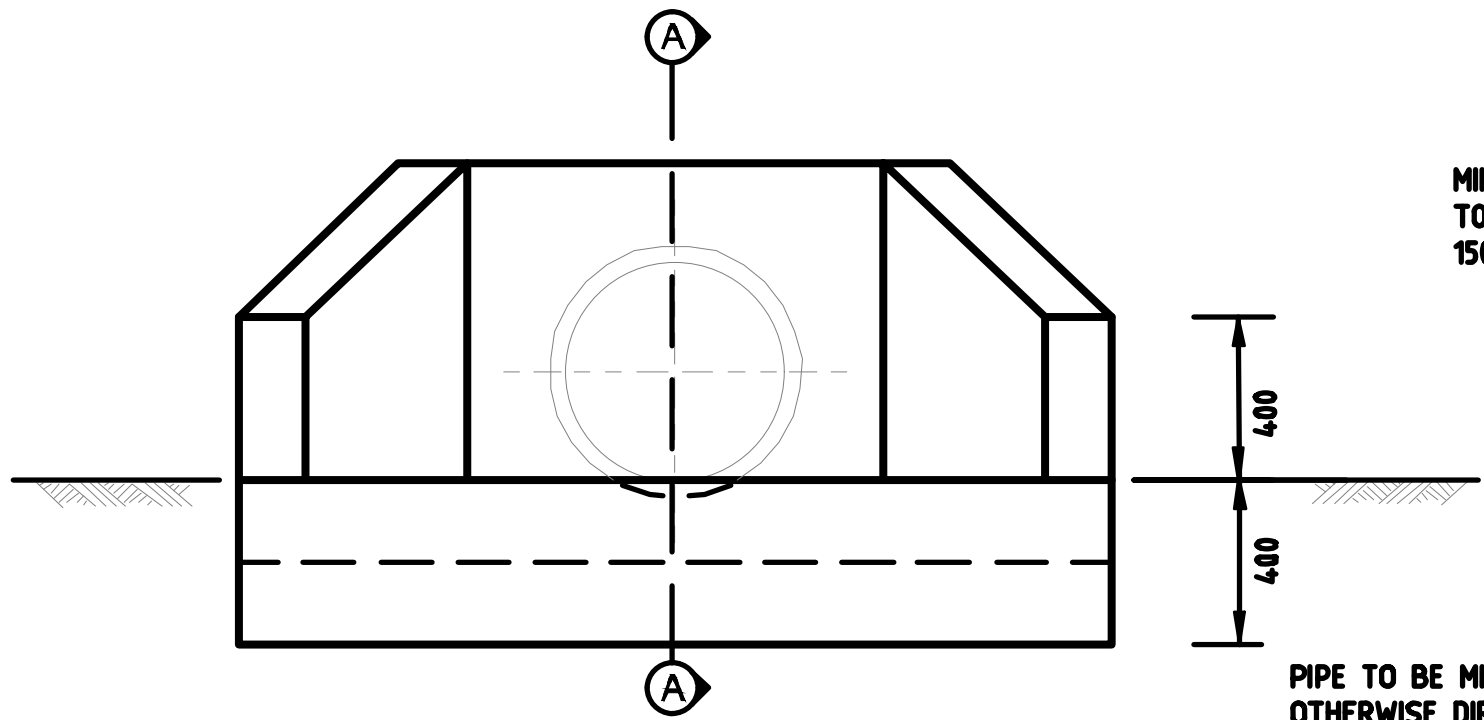
SCALE: N.T.S.



SECTION A - A
SCALE 1:50

NOTES:

1. REINFORCEMENT, F82 UNLESS OTHERWISE SPECIFIED, SHALL BE CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN ON THE SECTIONS. CLEAR COVER OF 50mm. LAPS: FABRICS 300 MIN, BARS 25 X BAR DIAMETER MIN.
2. ALL DIMENSIONS ARE IN MILLIMETERS.
3. DISTRIBUTION BARS 12 DIA AT 200 CENTERS.
4. CONCRETE SHALL BE NOMINAL-CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS1379. EXPOSURE CLASSIFICATION UP TO AND INCLUDING B1.
5. EXPOSED EDGES SHALL HAVE 20 X 20 CHAMFERS.
6. COMPACTION PRESSURE BEHIND WALLS SHALL NOT EXCEED 15kPa (1.5 TONNE VIBRATORY ROLLER OR 300kg VIBRATING PLATE WITHIN 0.5m OF WALL).
7. ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS3600.
8. CONCRETE STRENGTH SHALL BE F'C = 32MPa. (MIN) AT 28 DAYS.



SECTION A-A
SCALE: N.T.S.

INDICATIVE PLAN

Project: Jindera Solar Farm

Title: Road Elevation
River Crossing

Dwg No: J2104-203 Rev: P1

Rev	Date	Comments	Dwn	Chkd
P1	08/04/19	Indicative for DA	DD	CM
Dwn	DD	Chkd: CM	Date: 08/04/19	Scale: Varies
Job No:	J2104			