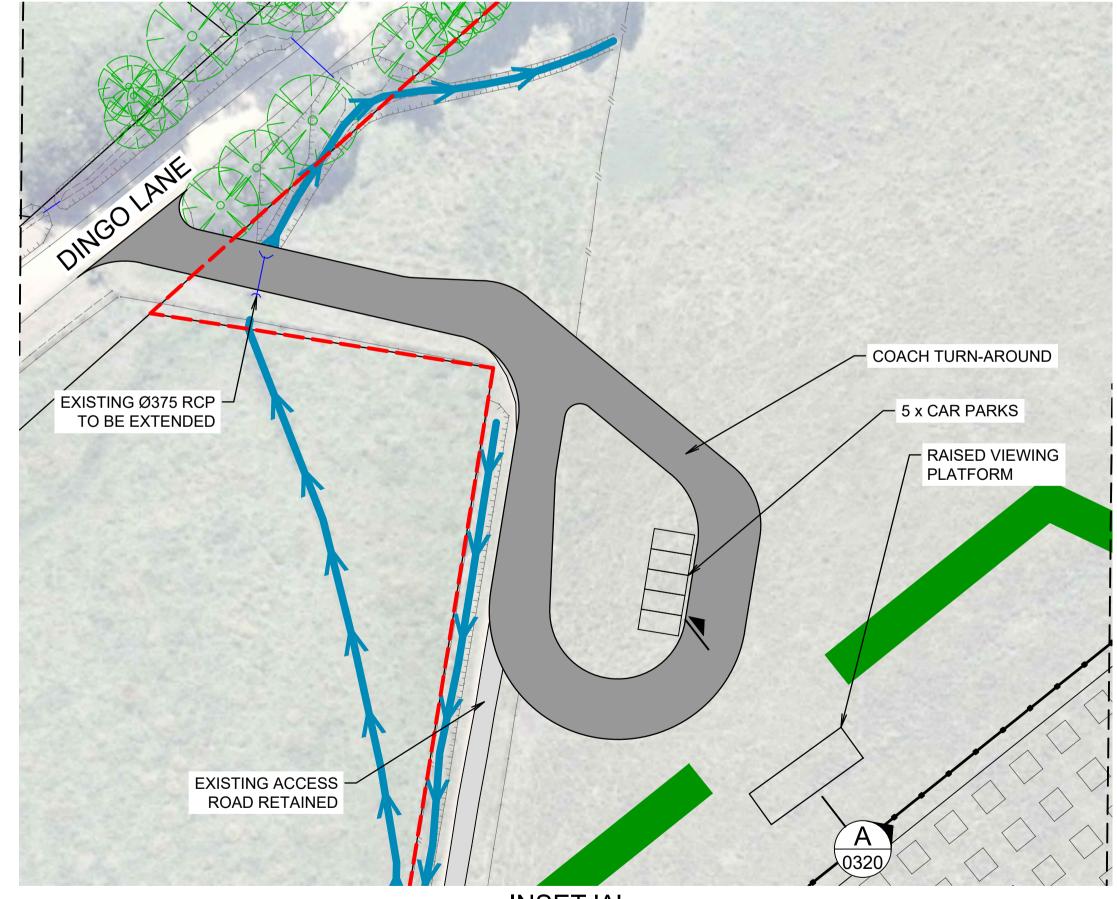


#### NOTES:

SOLAR ARRAY AREA ASSUMPTIONS:

- 5m SPACING BETWEEN PANEL ROWS
- SURFACE TO BE NAVIGABLE BY LIGHT VEHICLE FOR MAINTENANCE

THIS PLAN SHOULD BE READ IN CONJUNCTION WITH PLANIT'S ENGINEERING ASSESMENT (J6558- DINGO\_LN-EA01) AND PLANIT'S TRAFFIC IMPACT STATEMENT (J6558-DINGO\_LN-TIS01)



INSET 'A'
SCALE 1:500

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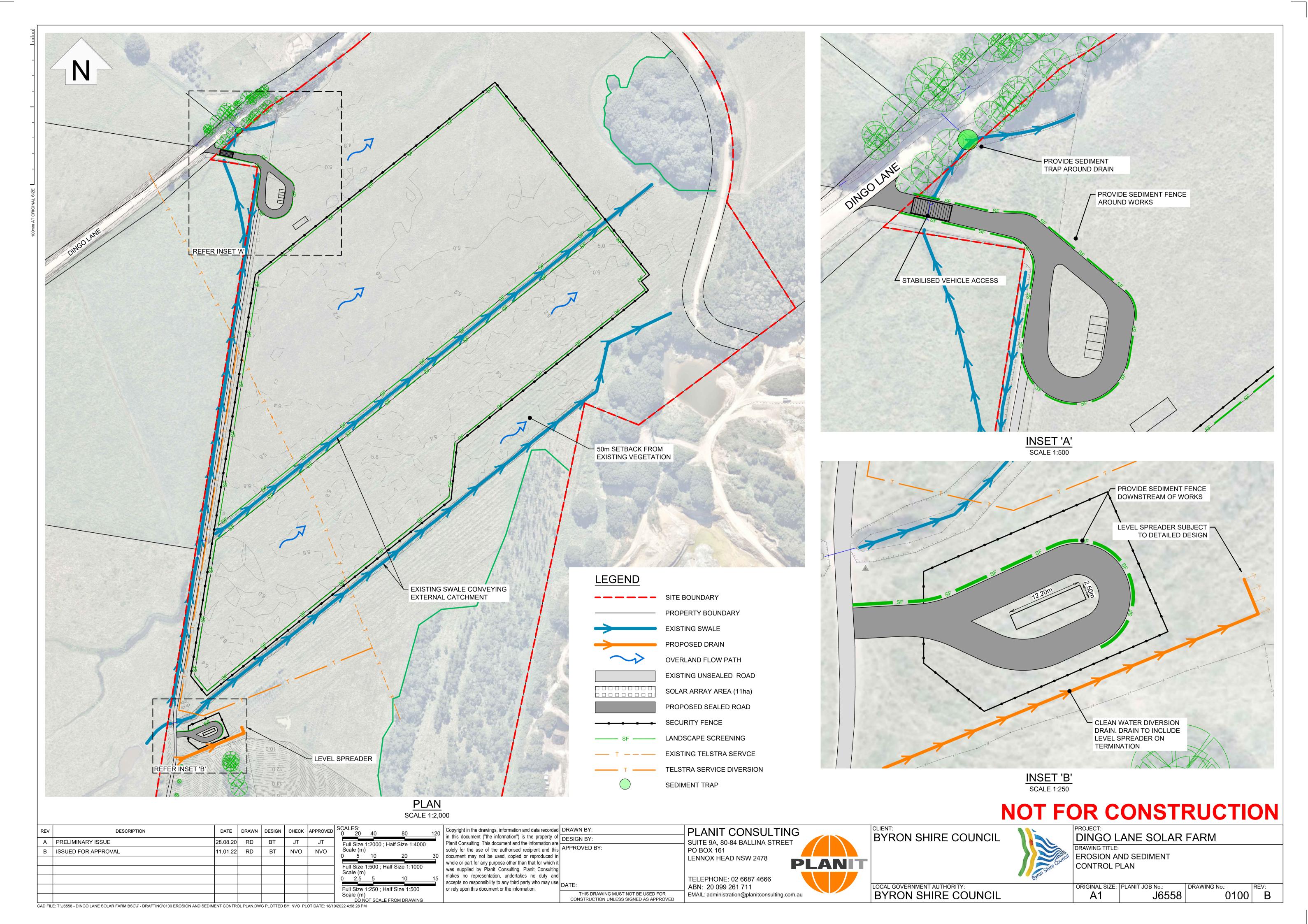
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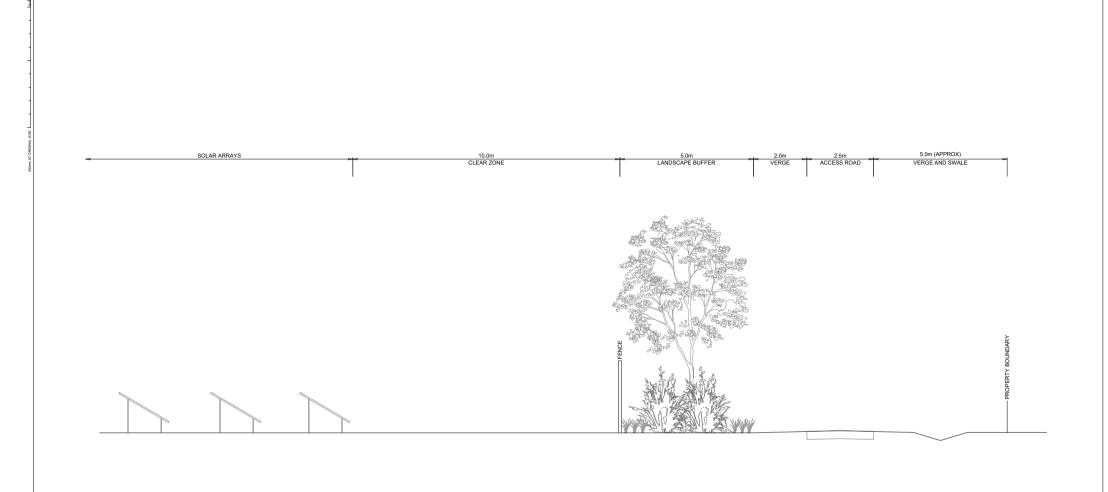
PROJECT:
DINGO LANE SOLAR FARM

DRAWING TITLE:
GENERAL ARRANGMENT PLAN

LOCAL GOVERNMENT AUTHORITY:
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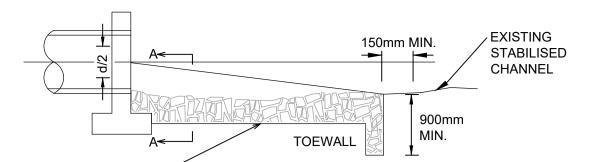
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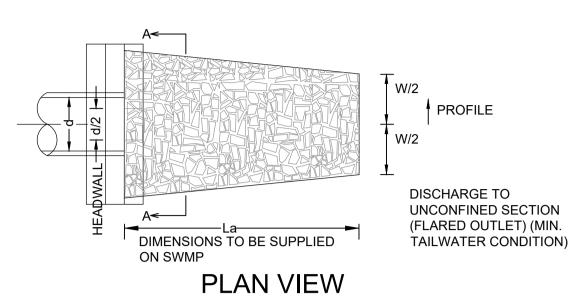


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NEEDLE-PUNCHED LONGITUDINAL SECTION AA



OPTIONAL FRAMEWORK

(WIRE OR STEEL MESH)

500 -700 mm MAX.

**EARTH BANK** 

GRADIENT OF DRAIN

DIRECTION

ONLY TO BE USED AS TEMPORARY BANK

DESCRIPTION

WHERE MAX. UPSLOPE LENGTH IS 80m.

OF FLOW

PRELIMINARY ISSUE

ISSUED FOR APPROVAL

1% TO 5%

FLOW

DISTURBED AREA

**DIRECTION OF FLOW** 

OR ROCK

STABILISE STOCKPILE SURFACE

CAN BE

CHANNEL

CONSTRUCTED

WITH OR WITHOUT

2m MIN

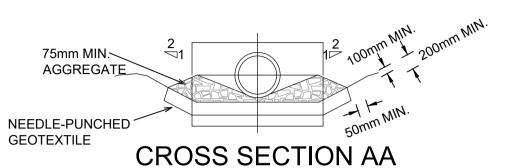
GEOFABRIC EMBEDDED

200mm INTO GROUND

#### **CONSTRUCTION NOTES**

SPECIFIED ON THE SWMP.

- COMPACT THE SUBGRADE FILL TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL.
- PREPARE A SMOOTH, EVEN FOUNDATION FOR THE STRUCTURE THAT WILL ENSURE THAT THE NEEDLE-PUNCHED GEOTEXTILE DOES NOT SUSTAIN SERIOUS DAMAGE WHEN COVERED WITH ROCK.
- 3. SHOULD ANY MINOR DAMAGE TO THE GEOTEXTILE OCCUR, REPAIR IT BEFORE SPREADING ANY AGGREGATE. FOR REPAIRS, PATCH ONE PIECE OF FABRIC OVER THE DAMAGE, MAKING SURE THAT ALL JOINTS AND PATCHES OVERLAP MORE THAN 300mm. 4. LAY ROCK FOLLOWING THE DRAWING, ACCORDING
- TO TABLE 5.2 OF LANDCOM (2004) AND WITH MIN. DIAMETER OF 75mm. 5. ENSURE THAT ANY CONCRETE OR RIPRAP USED FOR THE ENERGY DISSIPATER OR THE OUTLET PROTECTION CONFORMS TO THE GRADING LIMITS



#### PLAN VIEW OF TYPICAL SEDIMENT BASIN **NOT TO SCALE**

**OUTLET PROTECTION** 

EARTH EMBANKMENT

CREST OF

OUTLET

OUTLET PROTECTION

TIMBER SPACER

TO SUIT

0.25mm DIA.)

WEIGHTED BASE

**CROSS SECTION OF** 

TYPICAL SEDIMENT BASIN

NOT TO SCALE

**EMERGENCY** 

**PRIMARY** 

GRAVEL-FILLED WIRE MESH

OR GEOTEXTILE "SAUSAGE"

UNDISTURBED AREA

OUTLET

**EMERGENCY OUTLET** 

PRIMAR

OUTLET

RISER PIPE

0.6m MIN

WIRE MESH

OPEN AT TOP

25mm GRAVEL WITHIN WIRE NETTING

**OVERFLOW** 

SUPPORTED WITH MINIMUM 4 STAR

SEDIMENT TRAP

LENGTH/WIDTH

SETTLING

STORAGE

VOLUME

**RUNOFF WATER** 

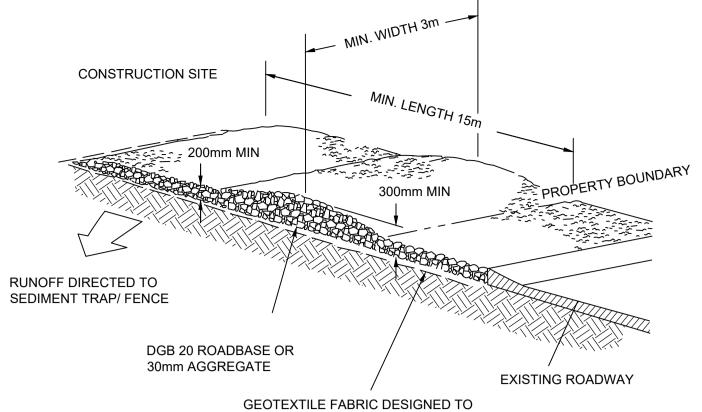
WITH SEDIMENT

RUNOFF

VOLUME

INFLOW

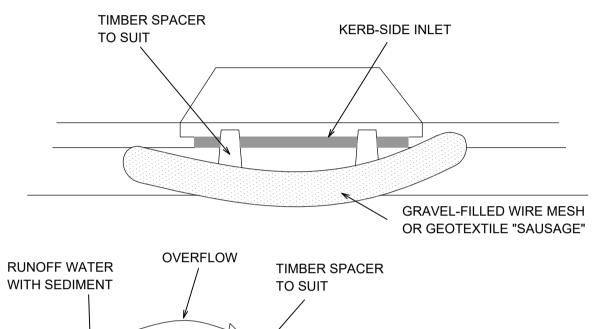
RATIO 3:1



PREVENT INTERMIXING OF SUBGRADE AND

#### **CONSTRUCTION NOTES**

- STRIP TOPSOIL AND LEVEL SITE.
- COMPACT SUBGRADE.
- COVER AREA WITH NEEDLE PUNCHED GEOTEXTILE. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROADBASE OR 30mm AGGREGATE. MININUM LENGTH 15m OR BUILDING ALIGNMENT. MINIMUM
- CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE/TRAP.



FILTERED WATER

- WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT.
- 2. FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL 3. FROM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm
- HIGH x 400mm WIDE 4. PLACE THE FILTER AT THE OPENING OF THE KERB
- INLET OR FIELD INLET LEAVING A 100mm GAP AT THE TOP TO ACT AS AN EMERGENCY SPILLWAY. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERBING AND PREVENT
- SEDIMENT BYPASSING THE FILTER.
- 7. FIT TO ALL KERB INLETS AND FIELD INLET PITS AT SAG POINTS.

### FILTER BAG TO SAG SIDE ENTRY PIT NOT TO SCALE

## **NOTES:**

GRAVEL-FILLED WIRE MESH

OR GEOTEXTILE "SAUSAGE"

SEDIMENT

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN.
- 2. ALL CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NORTHERN RIVERS LOCAL GOVERNMENT SPECIFICATION D7 "EROSION CONTROL AND STROWMATER MANAGEMENT AND LANDCOM'S "MANAGING URBAN
- STORMWATER: SOILS AND CONSTRUCTION VOLUME 1" (THE 'BLUE BOOK'). 3. SEDIMENT AND EROSION CONTROL MEASURES ARE INDICATIVE ONLY AND SHALL BE CONFIRMED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL INFORM ALL STAFF AND SUB-CONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.
- 5. CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EACH SITE DISTURBANCE
- 6. ALL WORKS ARE TO BE INSPECTED, AND MAINTAINED WHERE NECESSARY, ON A WEEKLY BASIS AND AFTER EACH RAIN EVENT
- ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT DUST FROM AFFECTING THE AMENITY OF THE NEIGHBOURHOOD DURING CONSTRUCTION. WATER SITE AS REQUIRED TO PREVENT DUST GENERATION. USE TEMPORARY SPRINKLERS AS REQUIRED.
- ALL WORKS ON SITE SHALL STOP WHEN WIND SPEEDS REACHES 35km/h. CLEANING OF FOOTPATHS AND ROADWAYS SHALL BE CARRIED OUT
- **REGULARLY** 10. TURF AND VERGE AREAS TO BE REINSTATED WHEN DISTURBED DURING CONSTRUCTION.

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BYRON SHIRE COUNCIL

BYRON SHIRE COUNCIL

LOCAL GOVERNMENT AUTHORITY:



**DINGO LANE SOLAR FARM** 

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS ORIGINAL SIZE: PLANIT JOB No.: DRAWING No.:

J6558

0110

BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS STABILISED SITE ACCESS NOT TO SCALE **CONSTRUCTION NOTES** FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR

# **CONSTRUCTION NOTES**

**ENERGY DISSIPATER NOT TO SCALE** 

STAR PICKETS WITH SAFETY CAPS

**OTHERWISE** 

UNDISTURBED AREA

**WOVEN GEOFABRIC** 

UNLESS SPECIFIED

DRIVEN 600mm INTO GROUND OR

250mm INTO ROCK.

DETAIL\*OF OVERLAP

SEDIMENT FENCE

SEDIMENT FENCE

- 1. WHERE POSSIBLE LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
- 2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND
- 3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILE SHALL BE LESS THAN 2m IN HEIGHT. 4. REHABILITATE IN ACCORDANCE WITH THE
- SWMP/ESCP. 5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT RUNOFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE OF STOCKPILE.

### TOPSOIL STOCKPILE NOT TO SCALE

- ALL BATTER GRADES

2(H):1(V) MAX.

300mm MIN.

#### **CONSTRUCTION NOTES**

- CONSTRUCT WITH GRADIENT OF 1% TO 5%. 2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE. 3. DRAINS TO BE CIRCULAR, PARABOLIC OR
- TRAPEZOIDAL CROSS SECTION NOT V-SHAPED. 4. EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE.
- 5. PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION.
- 6. ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR. DISCHARGE RUNOFF COLLECTED FROM
- UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED.
- COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS.
- 9. EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDE NORMAL

# EARTH BANK (LOW FLOW)

NOT TO SCALE

CAD FILE: T:\16558 - DINGO LANE SOLAR FARM BSC\7 - DRAFTING\0110 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.DWG PLOTTED BY: NVO PLOT DATE: 18/10/2022 4:59:36 PM

#### DRAINAGE AREA 0.4Ha. MAX SLOPE STAKE TOWARDS **GRADIENT 1:2 MAX. SLOPE LENGTH** PREVIOUSLY LAID 40m MAX. STAKES DRIVENSTRAW BALE DISTURBED AREA 0.6m INTO THE GROUND. -DIRECTION OF FLOW

0.1m DEEP

# STRAW BALE SEDIMENT FILTER

FILTER BAG TO DROP INLET PIT

NOT TO SCALE

# NOT TO SCALE



CAD FILE: T:\J6558 - DINGO LANE SOLAR FARM BSC\7 - DRAFTING\0301 MYOCUM ROAD & DINGO LANE INTERSECTION.DWG PLOTTED BY: NVO PLOT DATE: 18/10/2022 5:00:27 PM

11.01.22 RD

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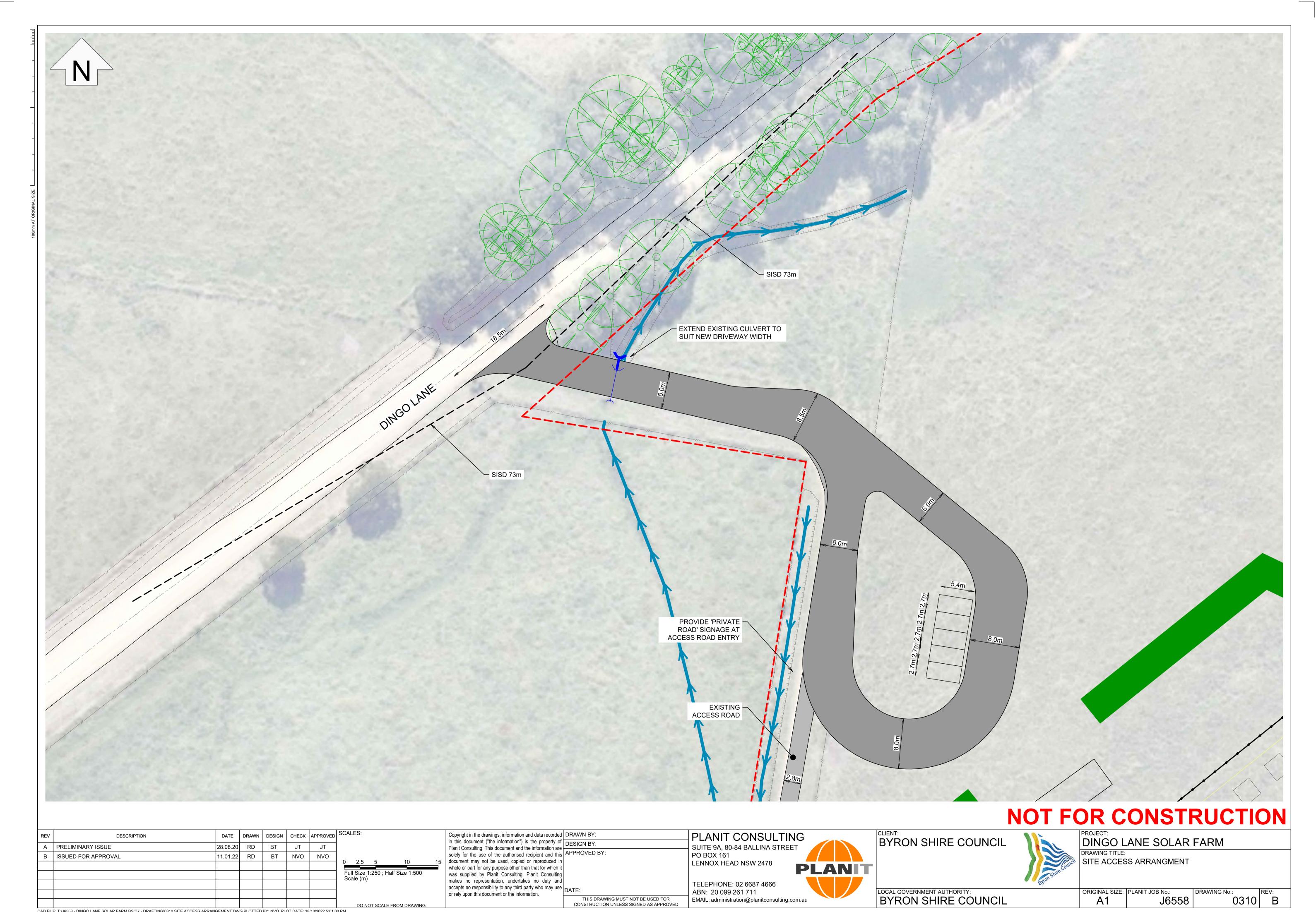
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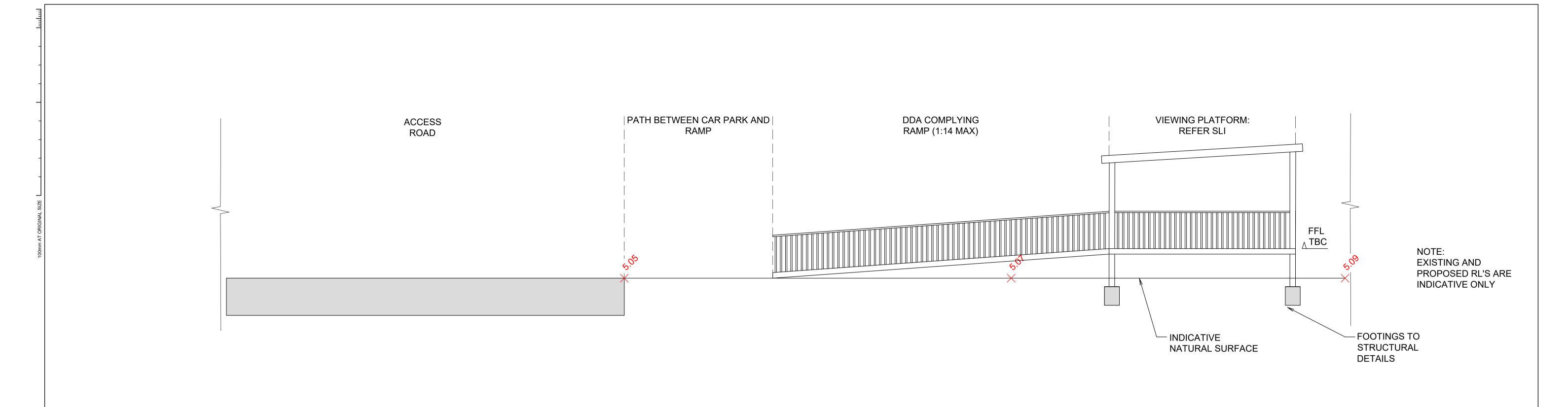
PROJECT:
DINGO LANE SOLAR FARM MYCRUM ROAD & DINGO LANE INTERSECTION ASD & SISD

LOCAL GOVERNMENT AUTHORITY:
BYRON SHIRE COUNCIL ORIGINAL SIZE: PLANIT JOB No.: DRAWING No.: J6558 0301 B

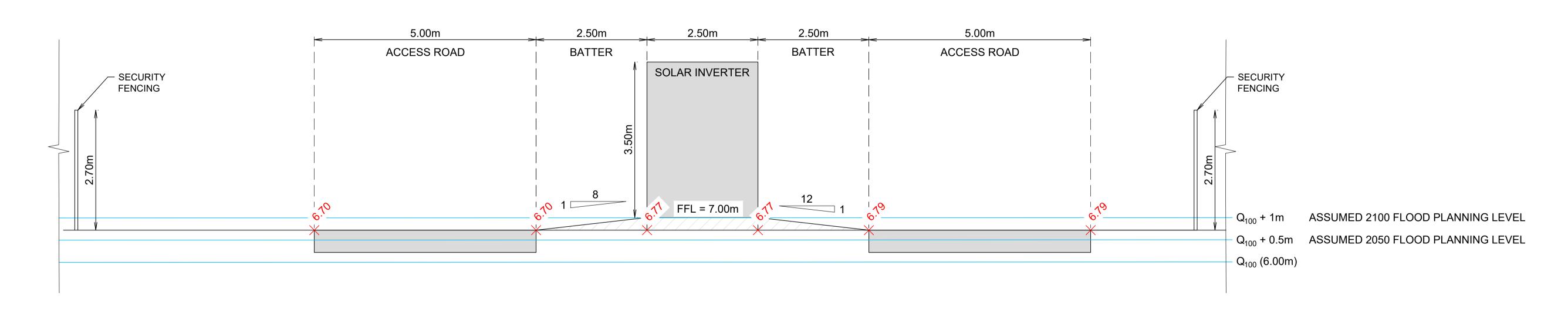


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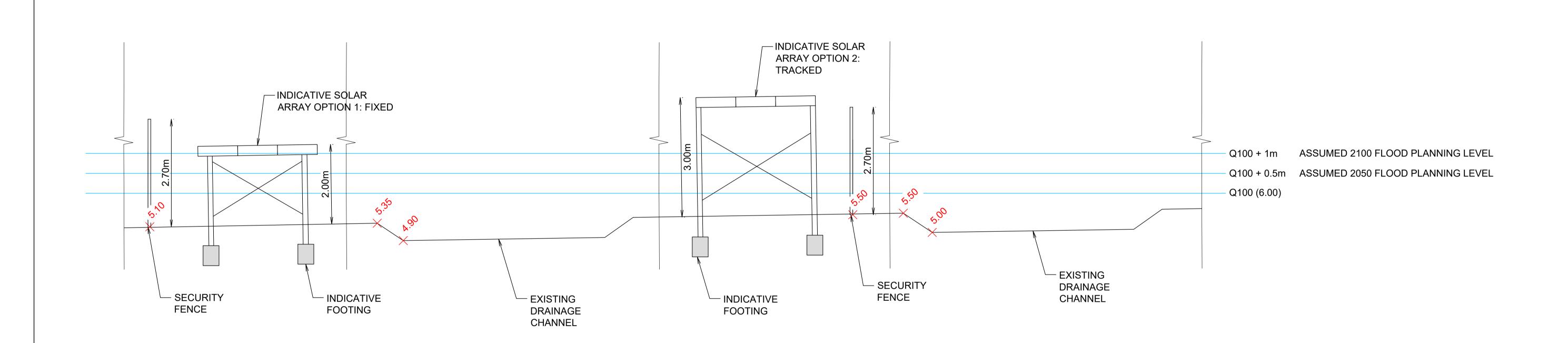
# SECTION 0020 A - VIEWING PLATFORM TYPICAL SECTION SCALE: 1:50



# 0020 B - SOLAR INVERTER TYPICAL SECTION SCALE: 1:50

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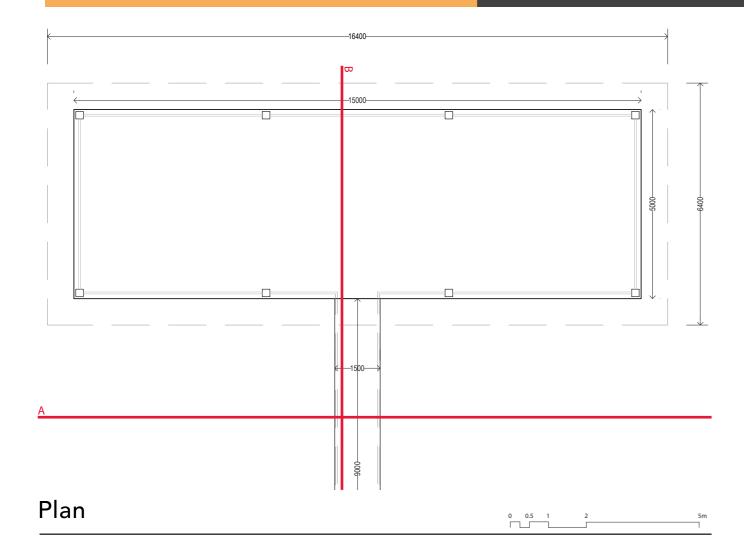
SECTION 0020 C - SOLAR ARRAYS: INDICATIVE SECTIONS
SCALE: 1:50

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### Dingo lane - Solar Farm

## Viewing Platform - Typical Details



Elevation (A)

The viewing platform will allow for approximatley 30 visitors to stand and admire the solar arrays. This structure will be built on piers, to achieve an elevated 1.3m above the ground level. This structure will be accessed by a DDA compliant access ramp, with native planting either side.

The roof above the platform will be a natural colour bond colour, to blend in with the surrounding landscape.



3D Perspective

