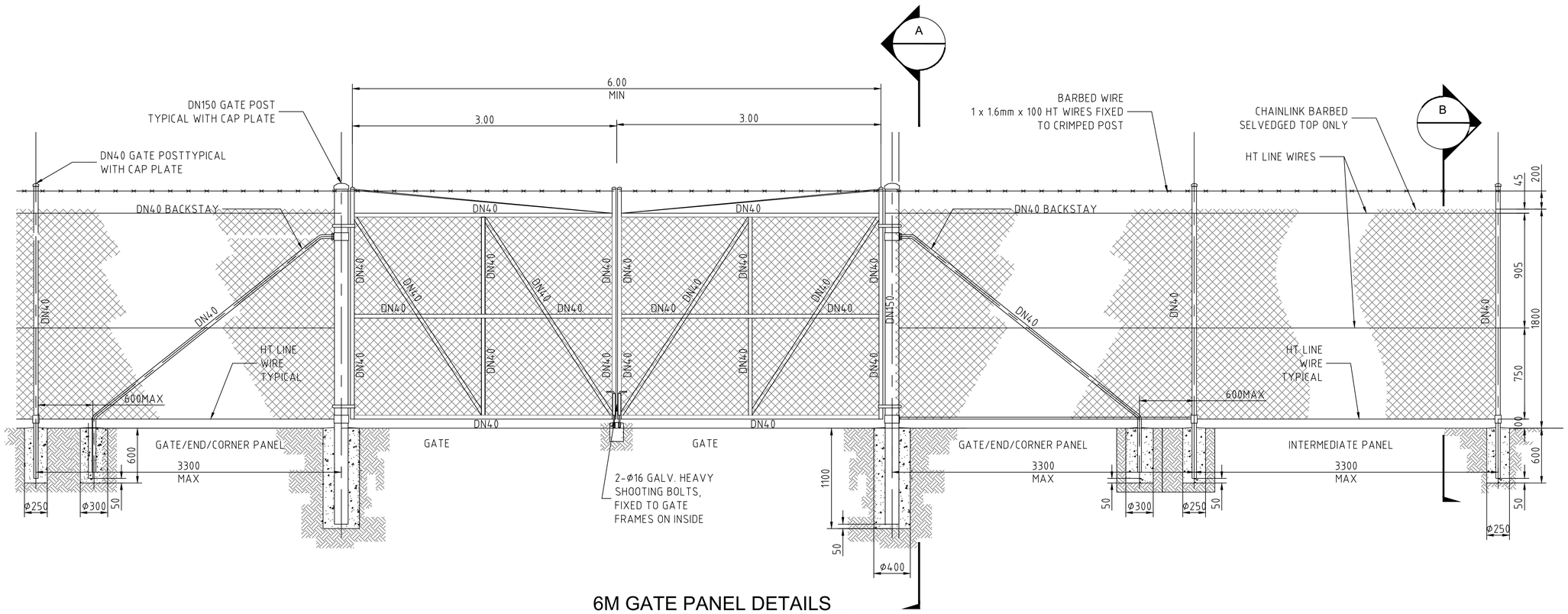
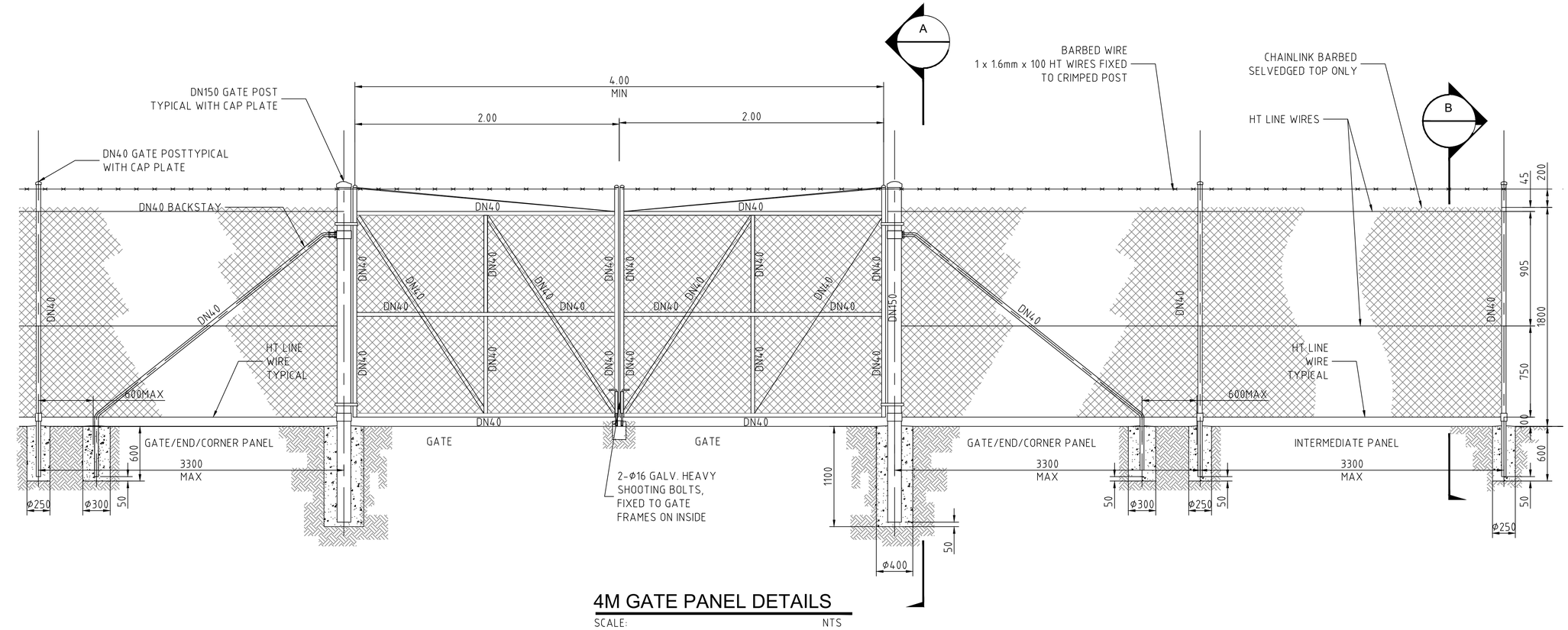


6M GATE PANEL DETAILS

SCALE: NTS



4M GATE PANEL DETAILS

SCALE: NTS

PRELIMINARY DESIGN

N
W E
S

GENERAL NOTES

1. POSTS, BRACES AND GATE FRAMES ARE MANUFACTURED FROM BLACK MEDIUM PIPE (3.2mm WALL THICKNESS) THEN HOT DIP GALVANIZED TO HDG 500 GRADE (500 G/M²)
2. ALL WIRES ARE COATED WITH 260 G/M² ZINC ALUMINUM
3. MESH WIRES ARE 1.8m X 50 X 2.5mm COATED WITH ZINC ALUMINUM
4. FENCE AND GATE MUST BE CONSTRUCTED AS PER AS1725
5. CORNER POST SHALL BE NB50
6. CONCRETE FOUNDATION SHALL HAVE 20MPa MIN. COMPRESSIVE STRENGTH.
7. ALL GALVANIZED STEEL SHALL COMPLY WITH THE PROVISIONS STATED IN AS/NZS 4680.
8. FOUNDATION CONSTRUCTION IS SUBJECT TO ENGINEERS DESIGN BASED ON THE SOIL TEST RESULT, IT CAN BE CONCRETE POURED OR PILE RAMMING FOR THE POLE.

LEGEND

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS
0	23-10-2024	DRAFT	

PROJECT NAME :

GREYTOWN SOLAR FARM

DRAFTING ENGINEER :

RENEWABLE ENGINEERING GROUP

GENERAL CONTRACTOR :

Far North Solar Farm
Powering New Zealand's Renewable Future.
A: Level 1, 65 KUMEU ROAD, AUCKLAND E: engineering@fnsf.co.nz

This drawing is property of FNSF/REG and may not be copied (in whole or in part) used for manufacturing or disclosed without prior consent of FNSF/REG.

		SIGN
DRAWN BY	: JROD	
DATE	: 23-10-2024	R.J.L.
CHECKED BY	: PAREEK	
DATE	: 23-10-2024	P.P.
APPROVED BY	: JOHN T.	
DATE	: 23-10-2024	J.T.

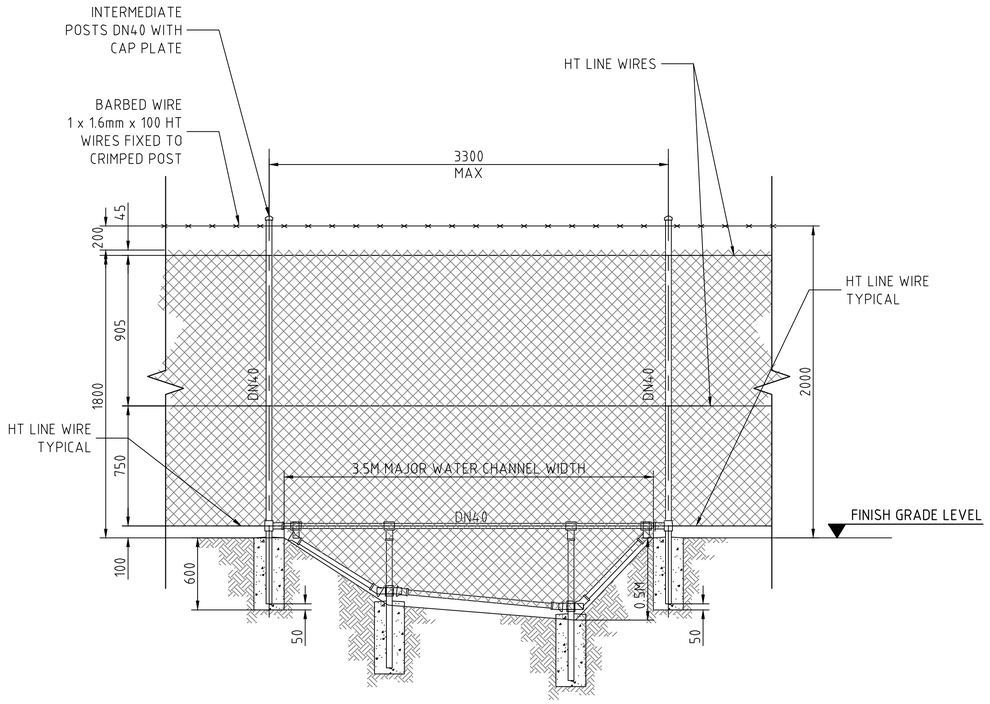
TITLE :

FENCE AND GATE ELEVATION DETAILS

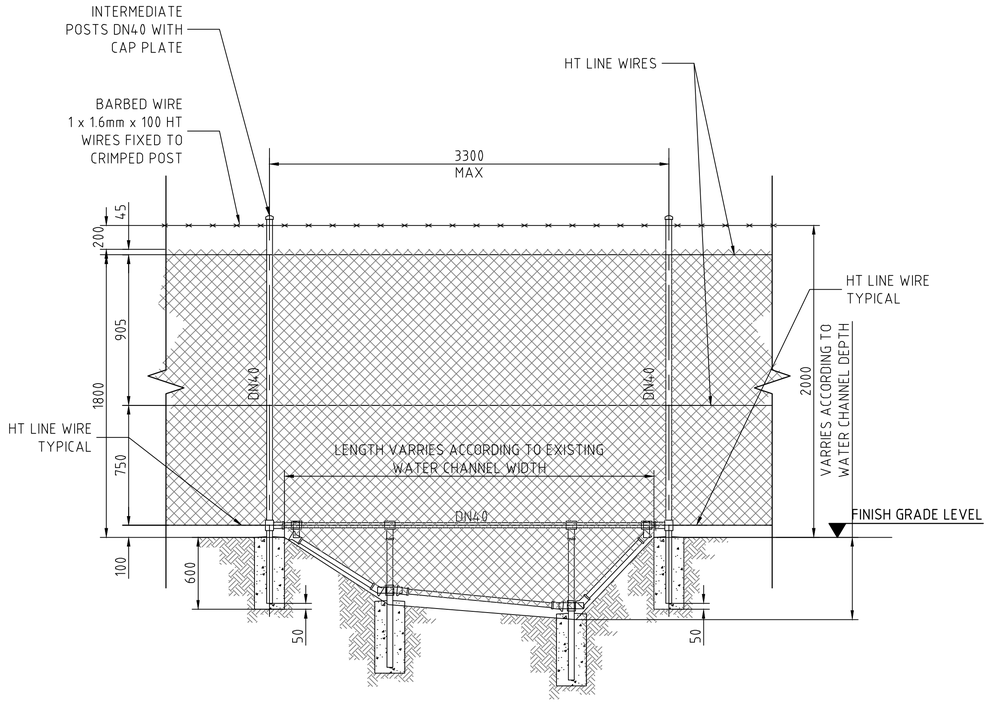
DRAWING No.

FNSF_GRT_178.2MWp_231024_DW6.1_F&GD

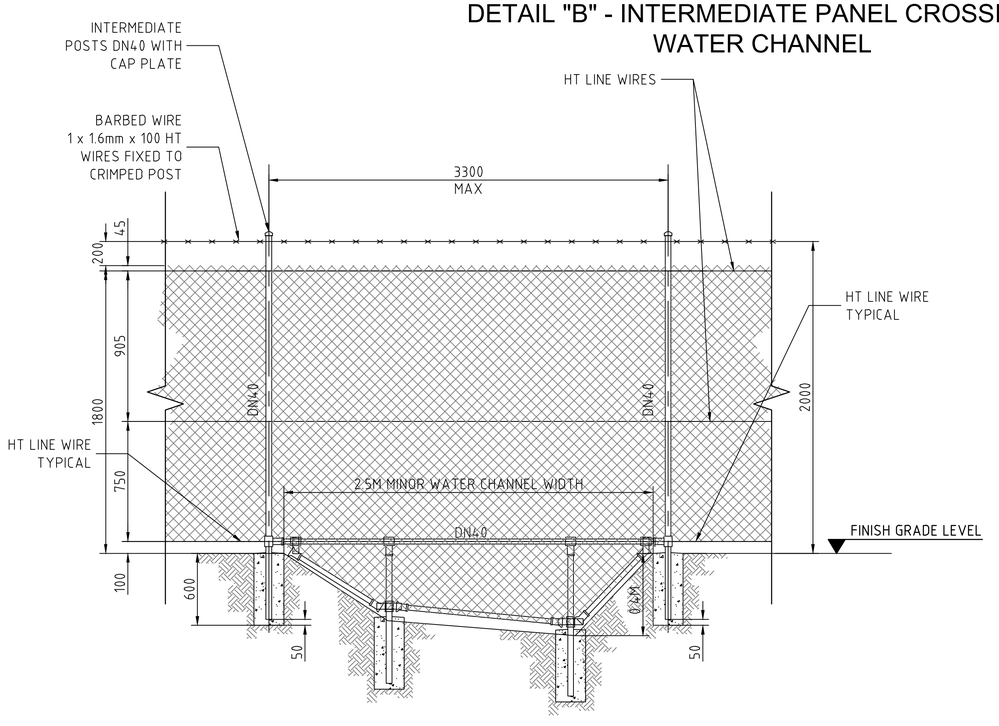
SHEET SIZE	SHEET	SCALE	REV
A1	1 OF 3	NTS	0



DETAIL "A" - INTERMEDIATE PANEL CROSSING 3.5M MAJOR WATER CHANNEL



DETAIL "B" - INTERMEDIATE PANEL CROSSING EXISTING WATER CHANNEL



DETAIL "C" - INTERMEDIATE PANEL CROSSING 2.5M MINOR WATER CHANNEL

NOTE TO INTERMEDIATE PANEL CROSSING WATER CHANNEL

THIS SECTION OF PANEL IS TO BE KEPT CLEAN AT ALL TIMES TO PREVENT HYDRAULIC LOAD TO THE PANEL DUE TO DEBRIS AND MATERIAL TRAPPED IN THE CHAIN LINK IN THE WATER CHANNEL.

PRELIMINARY DESIGN

N W E S

GENERAL NOTES

1. POSTS, BRACES AND GATE FRAMES ARE MANUFACTURED FROM BLACK MEDIUM PIPE (3.2mm WALL THICKNESS) THEN HOT DIP GALVANIZED TO HDG 500 GRADE (500 G/M²)
2. ALL WIRES ARE COATED WITH 260 G/M² ZINC ALUMINUM
3. MESH WIRES ARE 1.8m X 50 X 2.5mm COATED WITH ZINC ALUMINUM
4. FENCE AND GATE MUST BE CONSTRUCTED AS PER AS1725
5. CORNER POST SHALL BE NB50
6. CONCRETE FOUNDATION SHALL HAVE 20MPa MIN. COMPRESSIVE STRENGTH.
7. ALL GALVANIZED STEEL SHALL COMPLY WITH THE PROVISIONS STATED IN AS/NZS 4680.
8. FOUNDATION CONSTRUCTION IS SUBJECT TO ENGINEERS DESIGN BASED ON THE SOIL TEST RESULT, IT CAN BE CONCRETE POURED OR PILE RAMMING FOR THE POLE.

LEGEND

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS
0	23-10-2024	DRAFT	

PROJECT NAME :

GREYTOWN SOLAR FARM

DRAFTING ENGINEER :

RENEWABLE ENGINEERING GROUP

GENERAL CONTRACTOR :

Far North Solar Farm
Powering New Zealand's Renewable Future.

A: Level 1, 65 KUMEU ROAD, AUCKLAND E: engineering@fnsf.co.nz

This drawing is property of FNSF/REG and may not be copied (in whole or in part) used for manufacturing or disclosed without prior consent of FNSF/REG.

		SIGN
DRAWN BY	: JROD	R.J.L.
DATE	: 23-10-2024	
CHECKED BY	: PAREEK	P.P.
DATE	: 23-10-2024	
APPROVED BY	: JOHN T.	J.T.
DATE	: 23-10-2024	

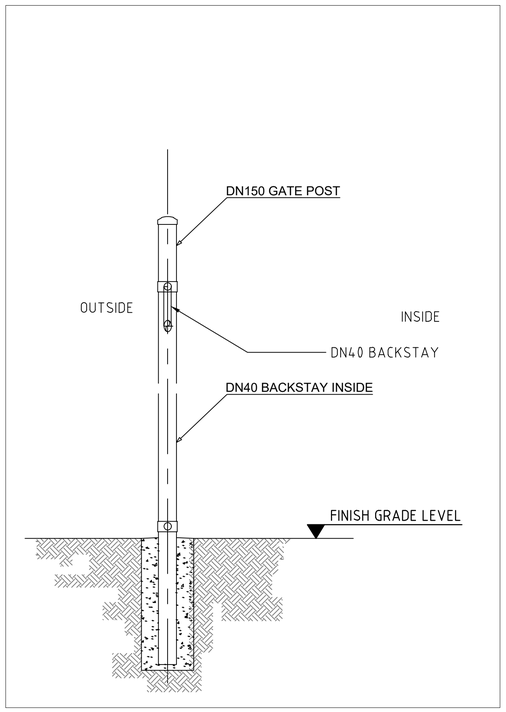
TITLE :

FENCE AND GATE TYPICAL ELEVATION DETAILS

DRAWING No.

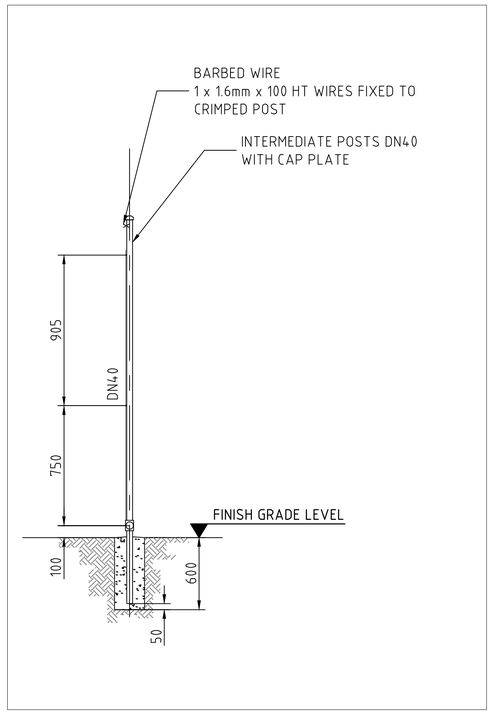
FNSF_GRT_178.2MWp_231024_DW6.1_F&GD

SHEET SIZE	SHEET	SCALE	REV
A1	2 OF 3	NTS	0



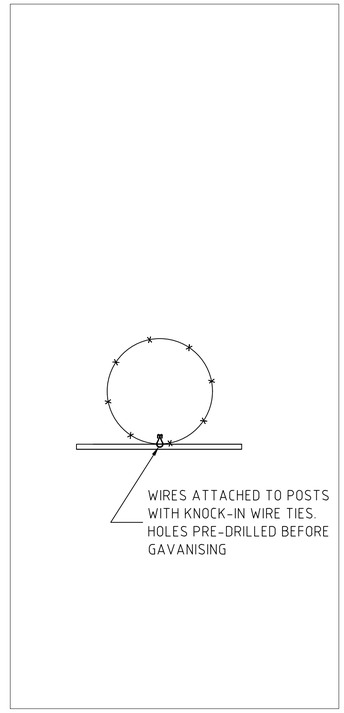
SECTION "A"

SCALE: NTS



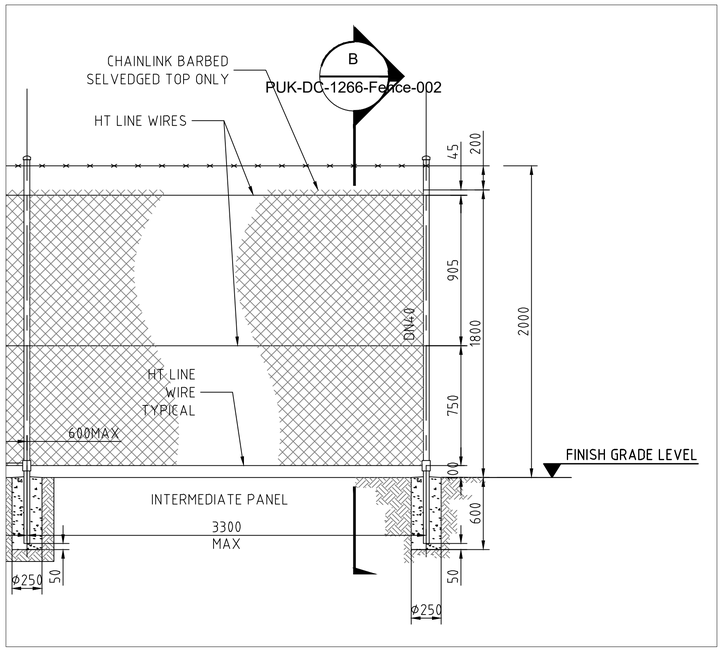
SECTION "B"

SCALE: NTS



KNOCK-IN TIES

SCALE: NTS



INTERMEDIATE PANEL

SCALE: NTS

PRELIMINARY DESIGN

N
W E
S

GENERAL NOTES

1. POSTS, BRACES AND GATE FRAMES ARE MANUFACTURED FROM BLACK MEDIUM PIPE (3.2mm WALL THICKNESS) THEN HOT DIP GALVANIZED TO HDG 500 GRADE (500 G/M²)
2. ALL WIRES ARE COATED WITH 260 G/M² ZINC ALUMINUM
3. MESH WIRES ARE 1.8m X 50 X 2.5mm COATED WITH ZINC ALUMINUM
4. FENCE AND GATE MUST BE CONSTRUCTED AS PER AS1725
5. CORNER POST SHALL BE NB50
6. CONCRETE FOUNDATION SHALL HAVE 20MPa MIN. COMPRESSIVE STRENGTH.
7. ALL GALVANIZED STEEL SHALL COMPLY WITH THE PROVISIONS STATED IN AS/NZS 4680.
8. FOUNDATION CONSTRUCTION IS SUBJECT TO ENGINEERS DESIGN BASED ON THE SOIL TEST RESULT, IT CAN BE CONCRETE POURED OR PILE RAMMING FOR THE POLE.

LEGEND

REFERENCE DRAWINGS

No.	DRAWING TITLE	DRAWING No.

R	DATE	DESCRIPTION OF REVISION	REMARKS
0	23-10-2024	DRAFT	

PROJECT NAME :

GREYTOWN SOLAR FARM

DRAFTING ENGINEER :

RENEWABLE ENGINEERING GROUP

GENERAL CONTRACTOR :

Far North Solar Farm
Powering New Zealand's Renewable Future.

A: Level 1, 65 KUMEU ROAD, AUCKLAND E: engineering@fnsf.co.nz

This drawing is property of FNSF/REG and may not be copied (in whole or in part) used for manufacturing or disclosed without prior consent of FNSF/REG.

DRAWN BY	: JROD	SIGN	TITLE :
DATE	: 23-10-2024	R.J.L.	**FENCE AND GATE TYPICAL ELEVATION DETAILS**
CHECKED BY	: PAREEK	P.P.	
DATE	: 23-10-2024		
APPROVED BY	: JOHN T.	J.T.	
DATE	: 23-10-2024		

DRAWING No.

FNSF_GRT_178.2MWp_231024_DW6.1_F&GD

SHEET SIZE	SHEET	SCALE	REV
A1	**3 OF 3**	**NTS**	**0**