



OAKLANDS FARM SOLAR PARK

Applicant: Oaklands Farm Solar Ltd

Environmental Statement

Appendix 4.7 – Detailed Site Access Engineering Drawings

January 2024

Document Ref: EN010122/APP/6.1/Appx 4.7

Revision: -

Planning Act 2008

Infrastructure Planning (Application: Prescribed Forms and Procedure) Regulations 2009 - 5(2)(a)



Oaklands Farm Solar Park - Environmental Statement Volume 3

Appendix 4.7: Detailed Site Access Engineering

Final report

Prepared by LUC

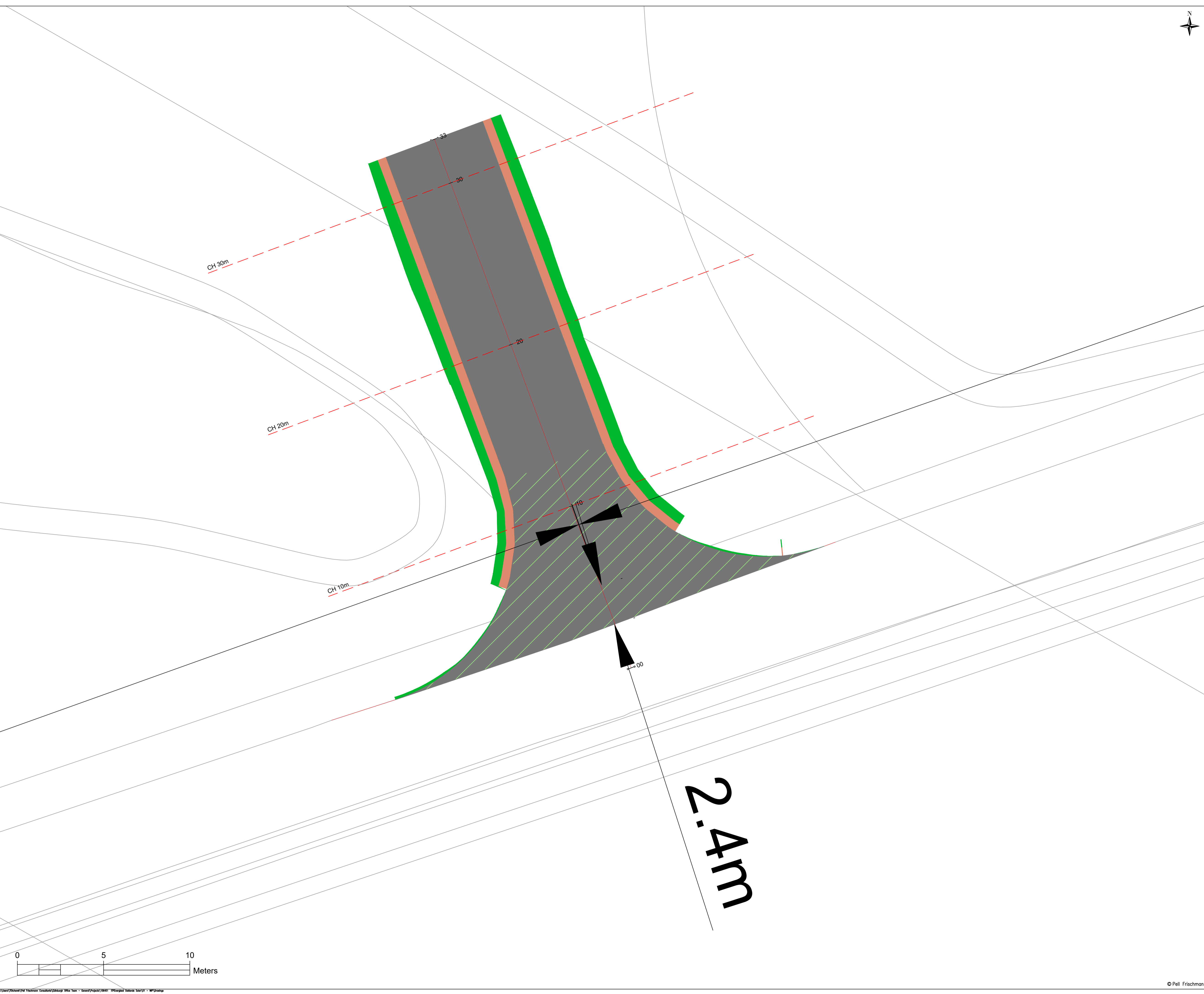
January 2024

Illustrative Drakelow Access Design



- NOTE:
1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATION FOR HIGHWAY WORKS AND ALL RELEVANT DRAWINGS WITHIN THE PROJECT DESIGN PACKAGE.
 2. ALL WORKS TO BE EXECUTED IN ACCORDANCE WITH THE DMRB, THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, DESIGN MANUAL FOR ROADS AND BRIDGES, AND TRAFFIC SIGNS MANUAL.
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 8. ACCESS REQUIRES TEMPORARY TRAFFIC LIGHT MANAGEMENT FOR TRAFFIC MOVEMENTS DURING THE CONSTRUCTION PHASE AND ONGOING MAINTENANCE AS PER THE CLIENTS REQUEST.

- KEY:
- Cross Sections
 - █ Proposed Type 1 Track
 - █ Proposed Tarmac Surface
 - █ Proposed Ditch
 - █ Proposed Earthworks



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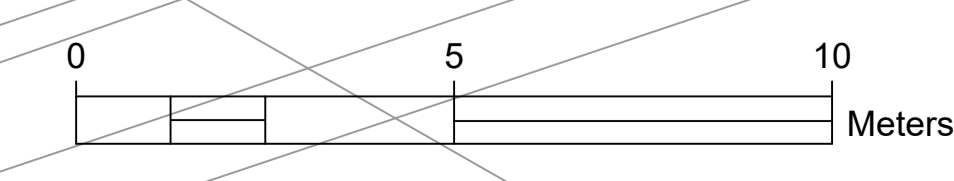
Client
ITPEnergised

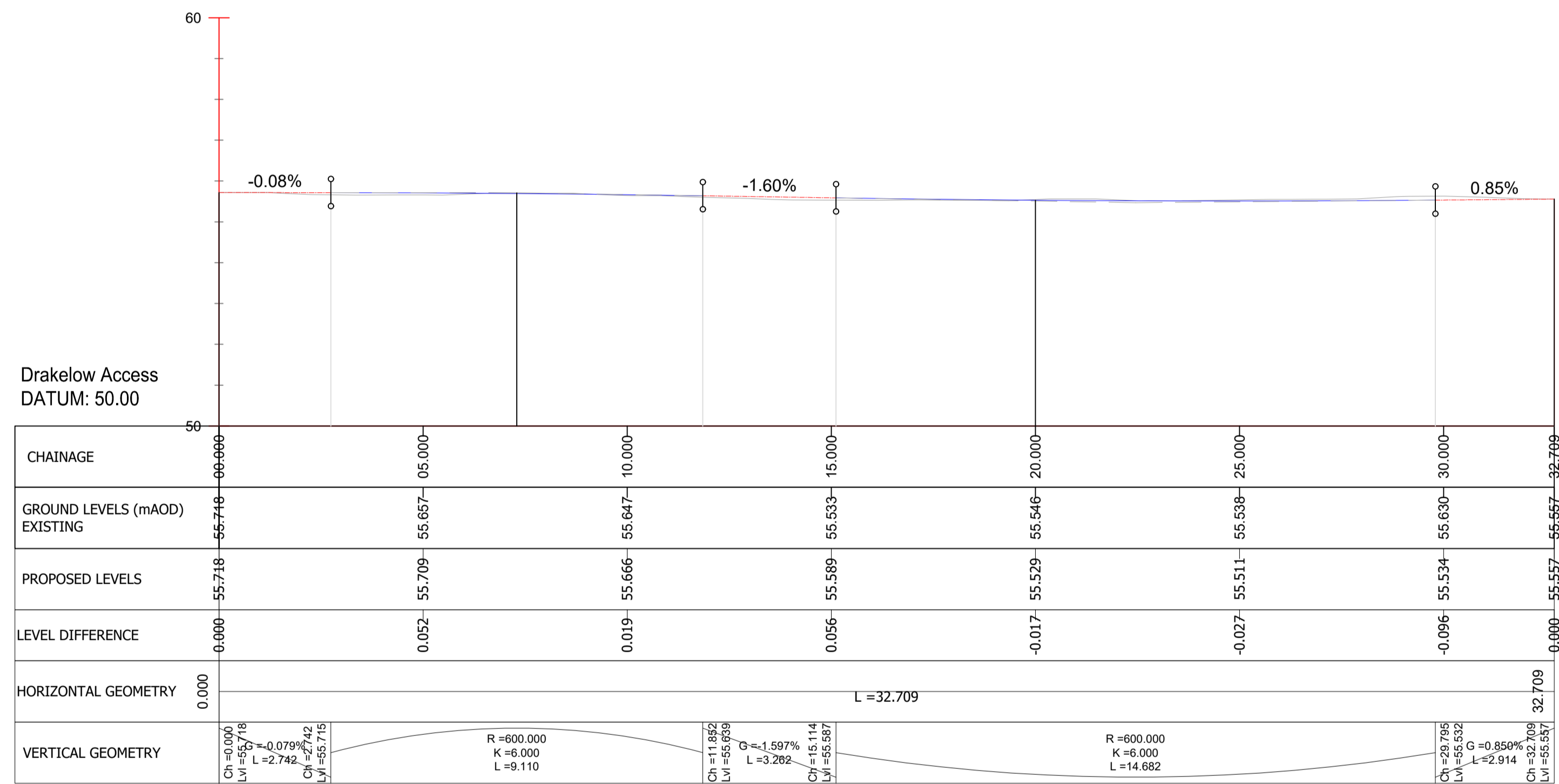
Project
Oaklands Solar

Drawing Title
**Drakelow Access
 General Arrangement**

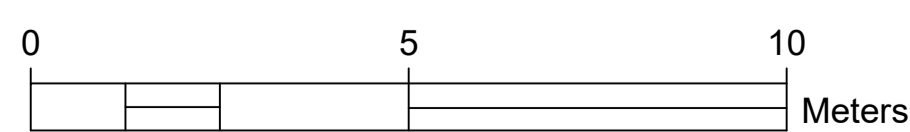
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Designed	JS	01.02.2024	File	230808 Drakelow Access Design
Checked	RL	01.02.2024	Drawing Status	DRAFT

Drawing No.	SK01	Revision	P1
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Drakelow Access
DATUM: 50.00



- NOTE:
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KEY:
 — Existing Levels
 — Proposed Levels
 — Proposed Levels Vertical Curve

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Project

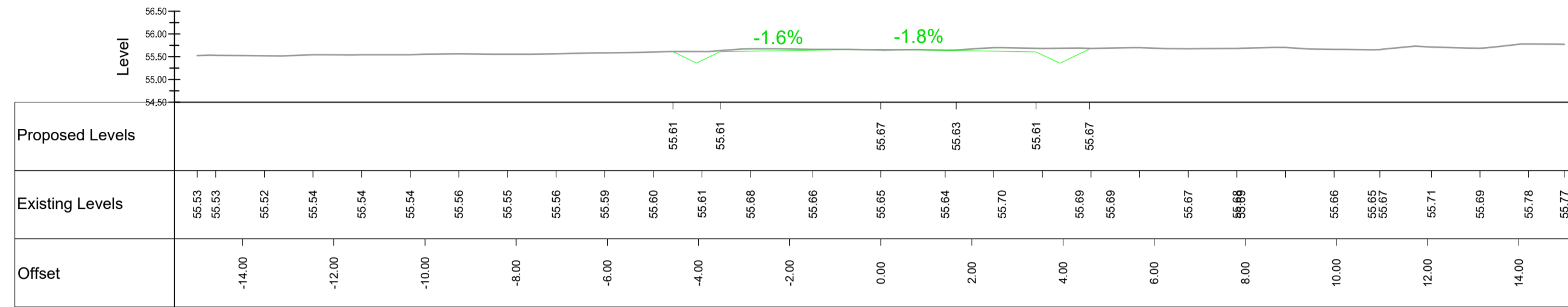
Oaklands Solar

Drawing Title

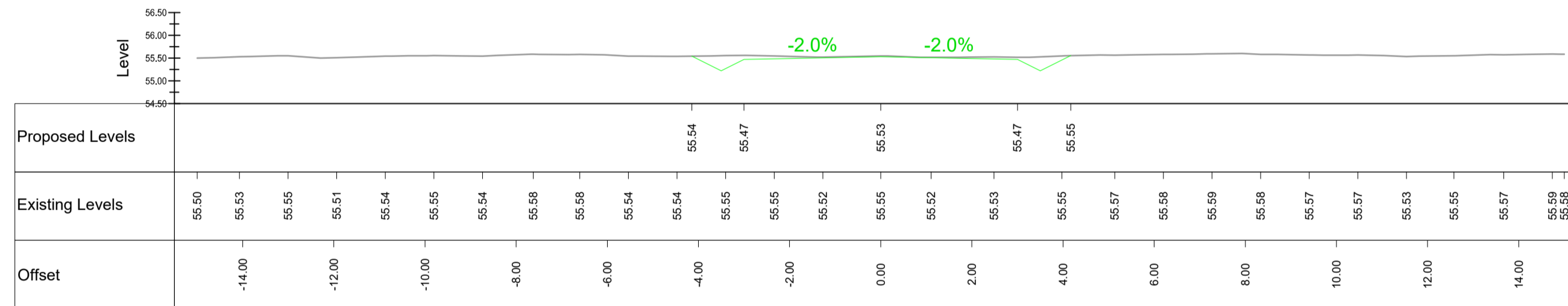
Drakelow Access
Longsections

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Checked RL	01.02.2024	File 230808 Drakelow Access
		Drawing Status DRAFT

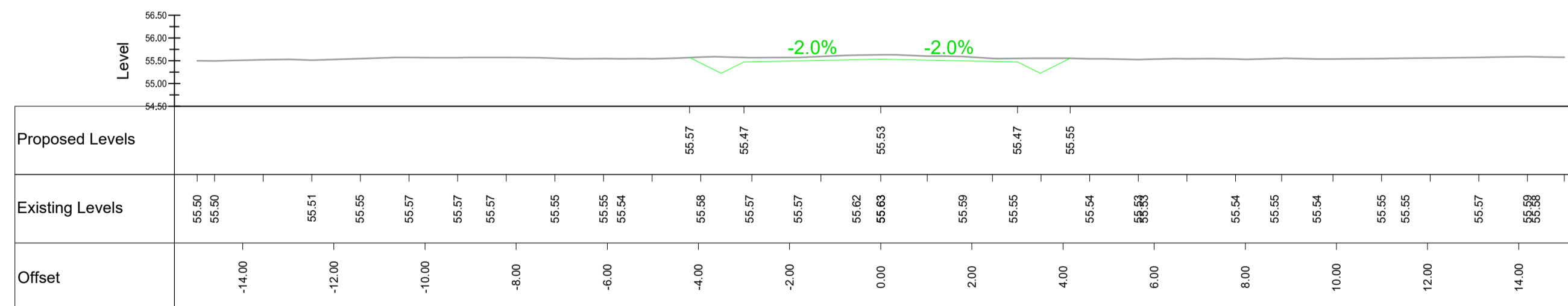
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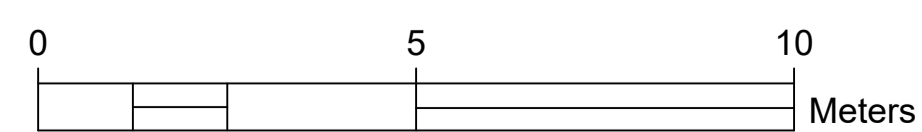
Chainage 10.000



Chainage 20.000



Chainage 30.000



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KEY:
 Existing Levels
 Proposed Levels

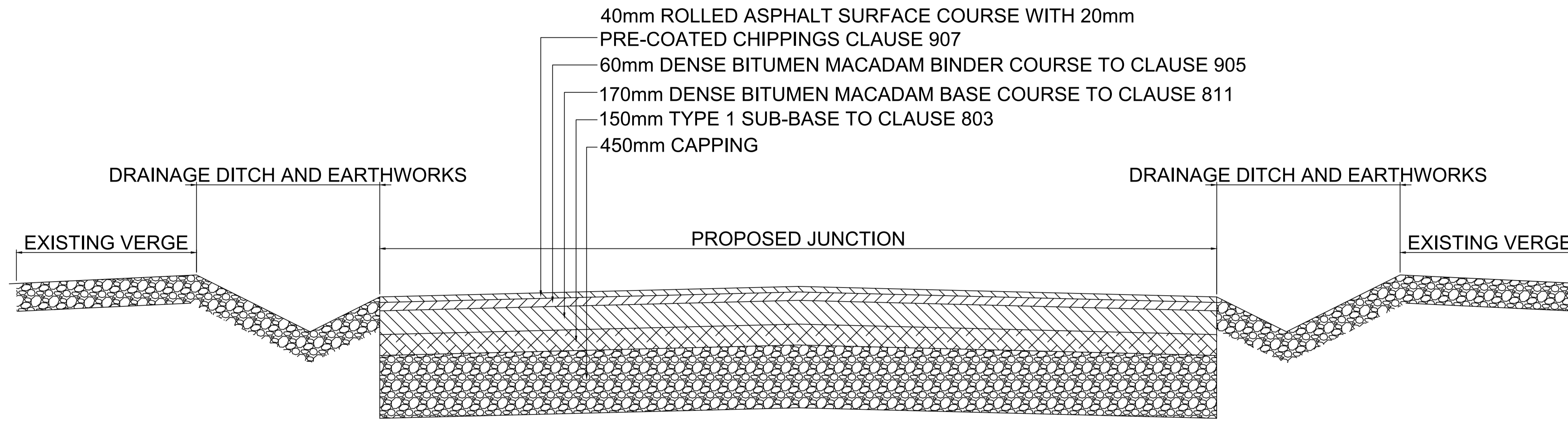
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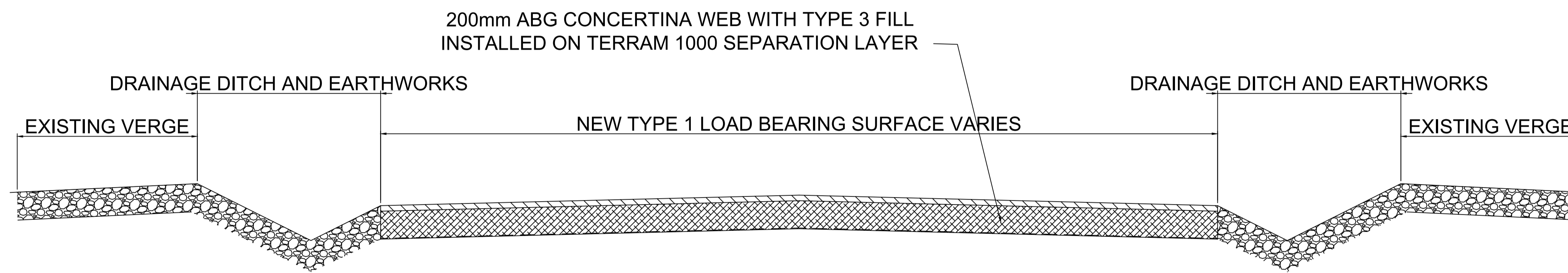
Project
Oaklands Solar

Drawing Title
**Drakelow Access
 Cross Sections**

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Designed	JS 01.02.2024	1:100 @ A1
Checked	RL 01.02.2024	File 230808 Drakelow Access Design
Drawing Status	DRAFT	
Drawing No.	SK03	Revision P1



JUNCTION CONSTRUCTION DETAIL



TRACK CONSTRUCTION DETAIL

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- KEY:

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Client
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Project
Oaklands Solar

Drawing Title
**Drakelow Access
Detailed Cross Section**

Name	Date	Scale	Revision
Designed	JS 01.02.2024	File 230808 Drakelow Access Design	NTS @ A1
Checked	RL 01.02.2024	Drawing Status DRAFT	
Drawing No.	SK04		Revision P1

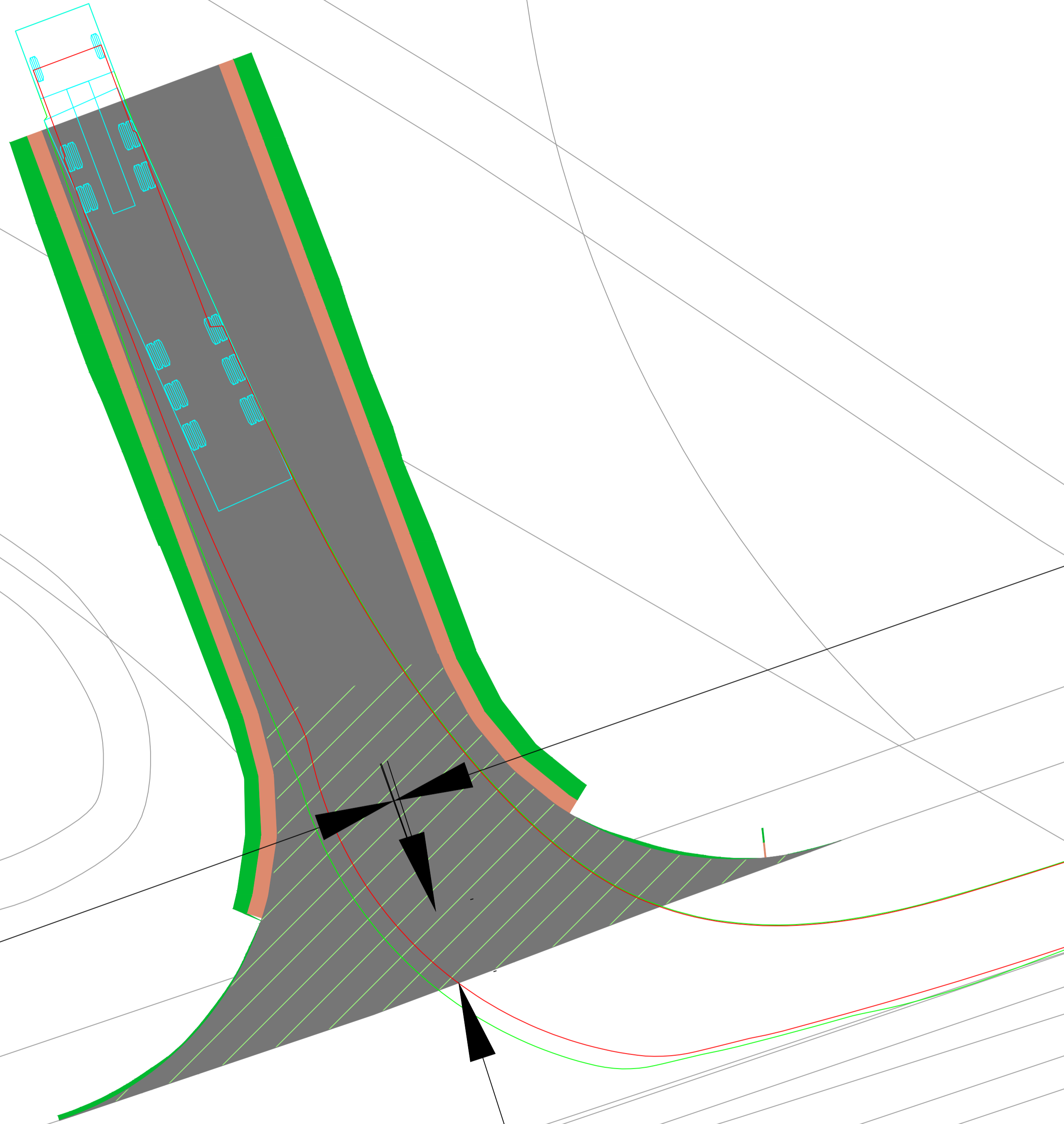


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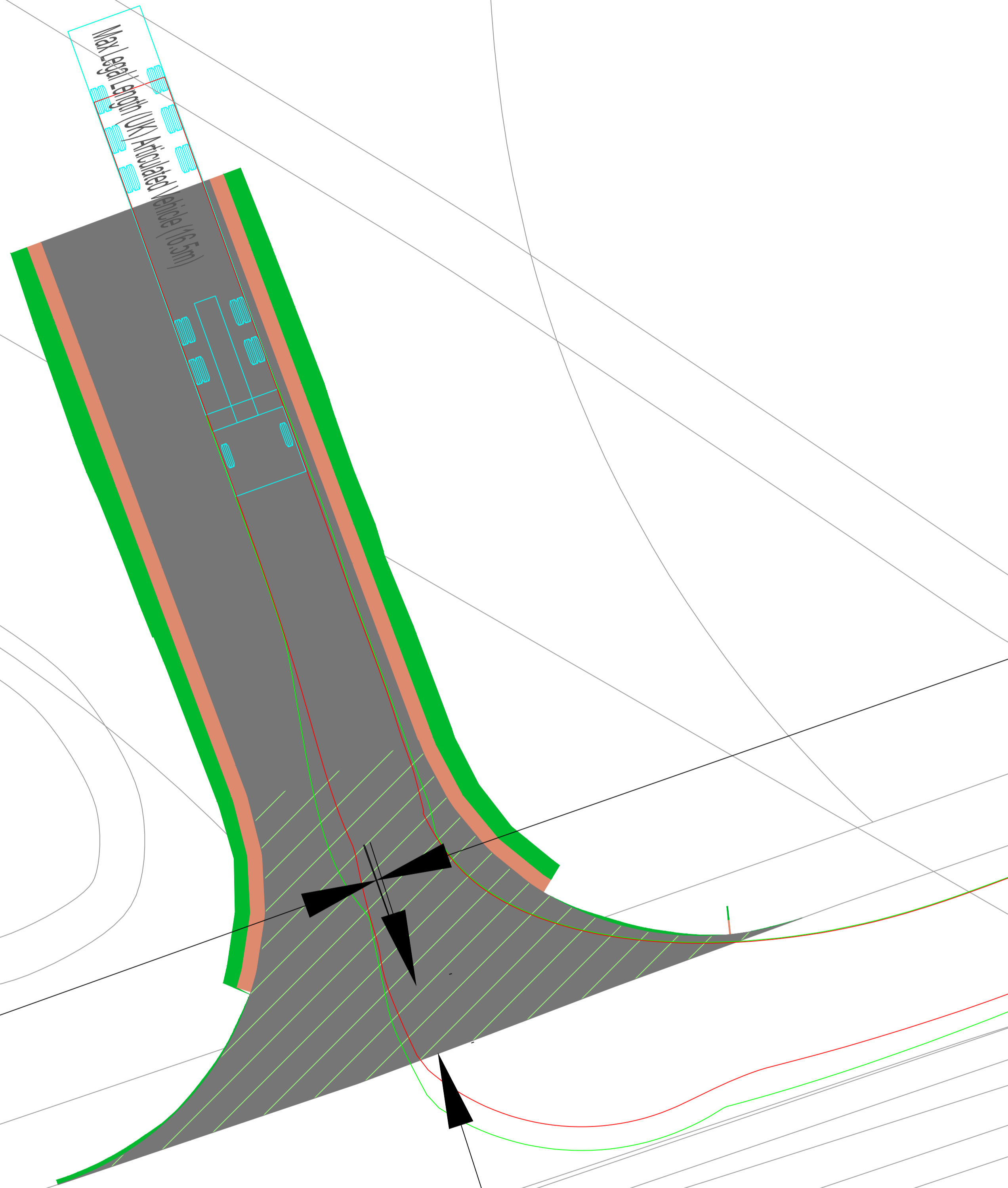
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KEY:

- Vehicle Wheels
- Vehicle Body



2.4m



2.4m



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Project
Oaklands Solar

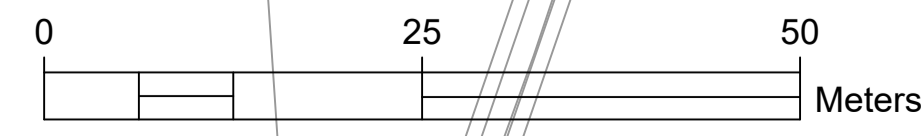
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Drakelow Access Swept Path Analysis

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Checked	RL	01.02.2024	Drawing Status	DRAFT

Drawing No.	Revision
SK05	P1



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- KEY:
- 2.4m x 120m Visibility Splay



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Project: Oaklands Solar

Drawing Title: Drakelow Access Visibility

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Designed	JS	01.02.2024	File 230808 Drakelow Access Design
Checked	RL	01.02.2024	Drawing Status DRAFT

Drawing No.	Revision
SK06	P1

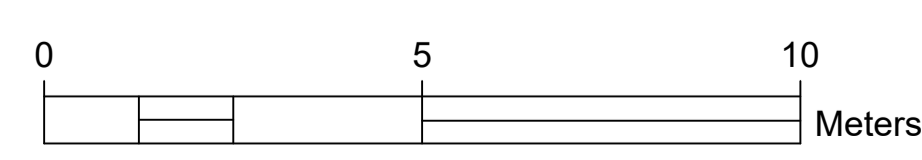
Park Farm Entrance Junction Design



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- KEY:
- Cross Sections
 - Proposed Temporary Widening
 - ▨ Proposed Resurfacing
 - Proposed Earthworks
 - Proposed Fence

Fence to be set back.



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Project
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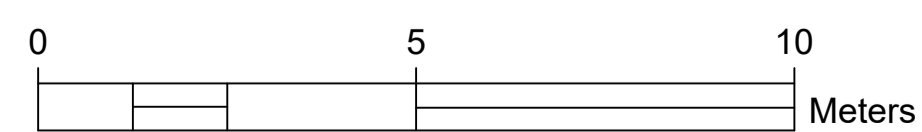
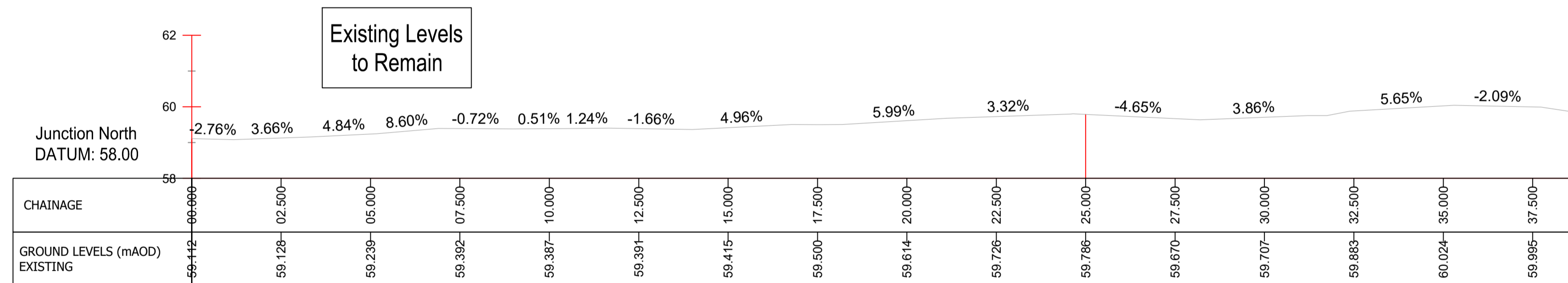
Drawing Title
**Park Farm Junction
 General Arrangement**

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Designed	JS	01.02.2024	File 230829 Oaklands Park Farm Junction Design
Checked	SCM	01.02.2024	Drawing Status DRAFT

Drawing No. **SK01** Revision **P1**

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KEY:
 Existing Levels



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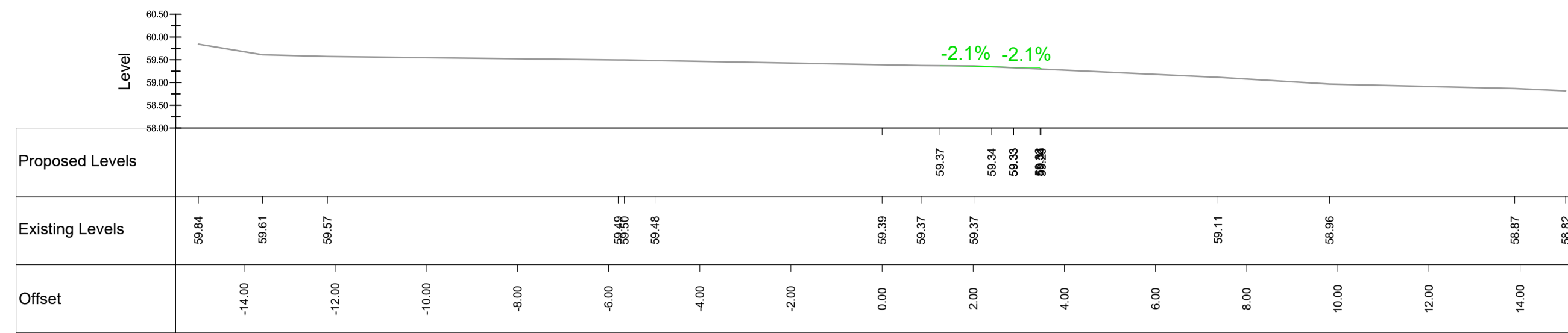
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Project
Oaklands Solar

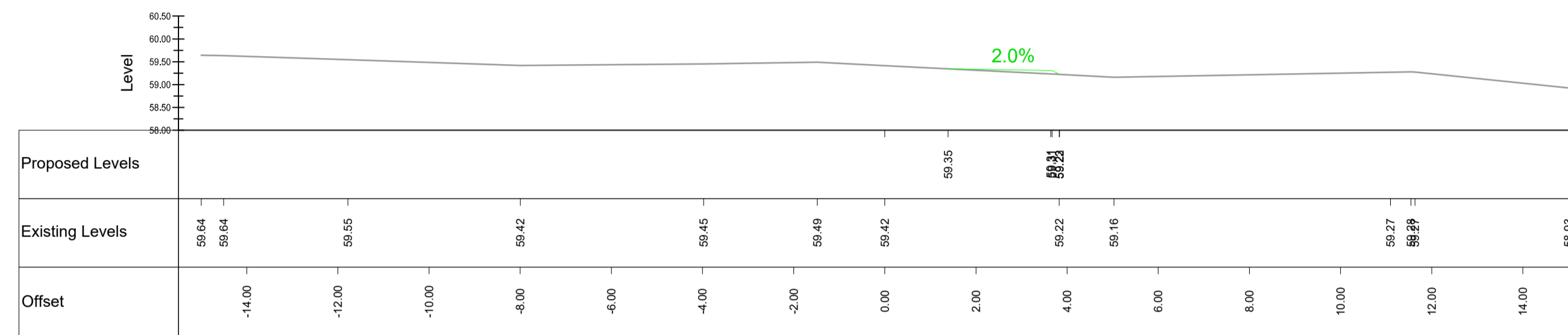
Drawing Title
Park Farm Junction Longsection

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Checked SCM	01.02.2024	File 230829 Oaklands Park Farm Junction Design
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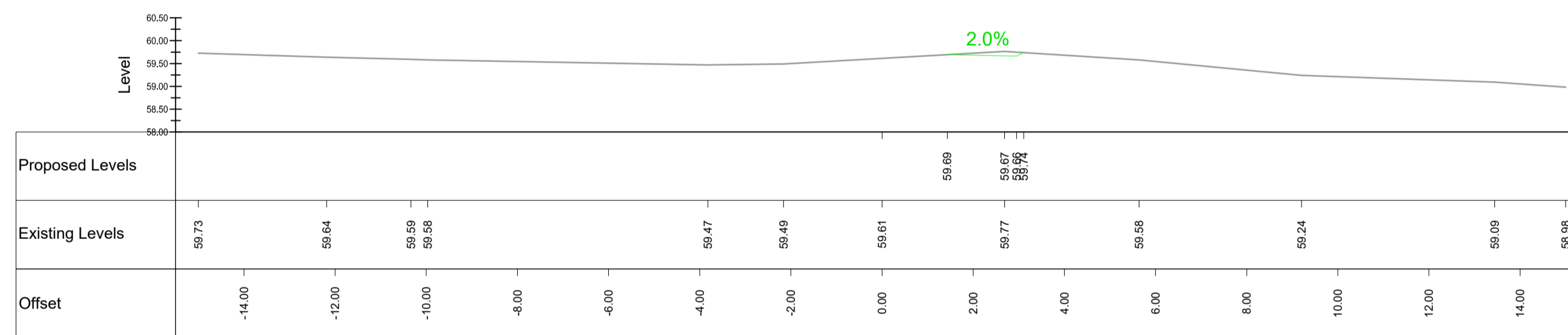
Drawing No.	Revision
SK02	P1



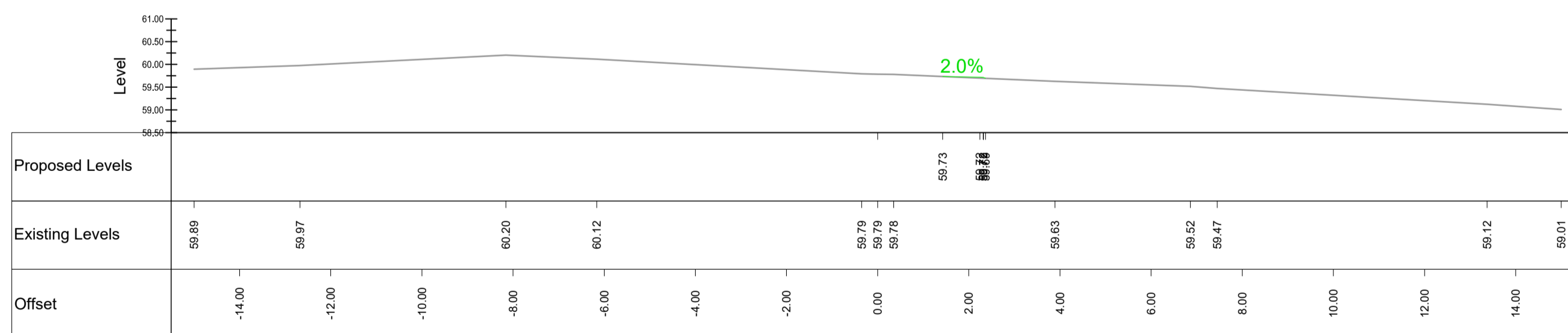
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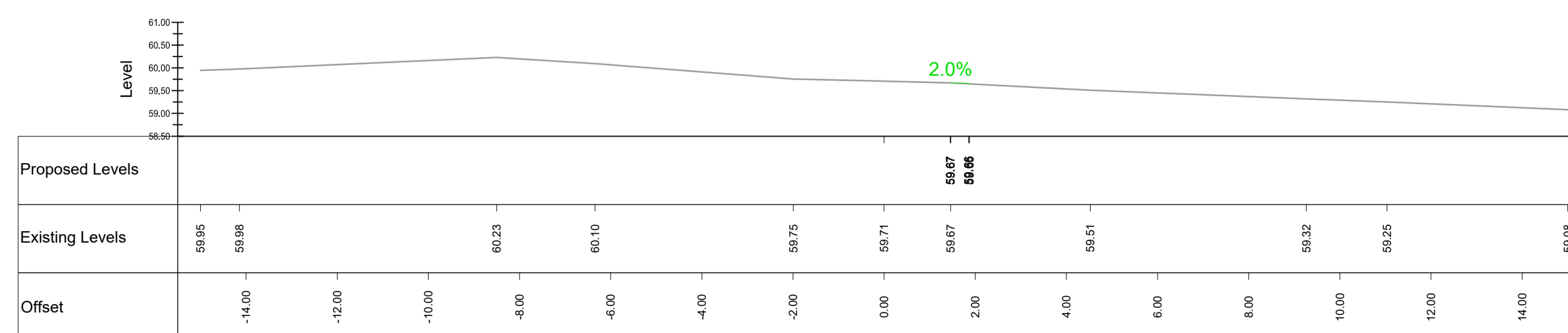
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Chainage 20.000



Chainage 25.000

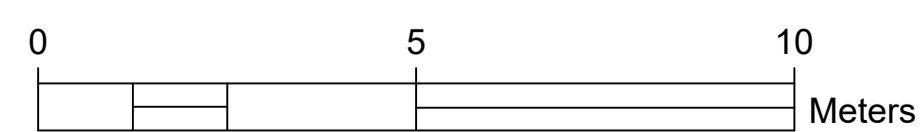


Chainage 30.000

Widening to tie into existing ground with a 1 in 2 batter.

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KEY:
 — Existing Levels
 - - - Proposed Levels



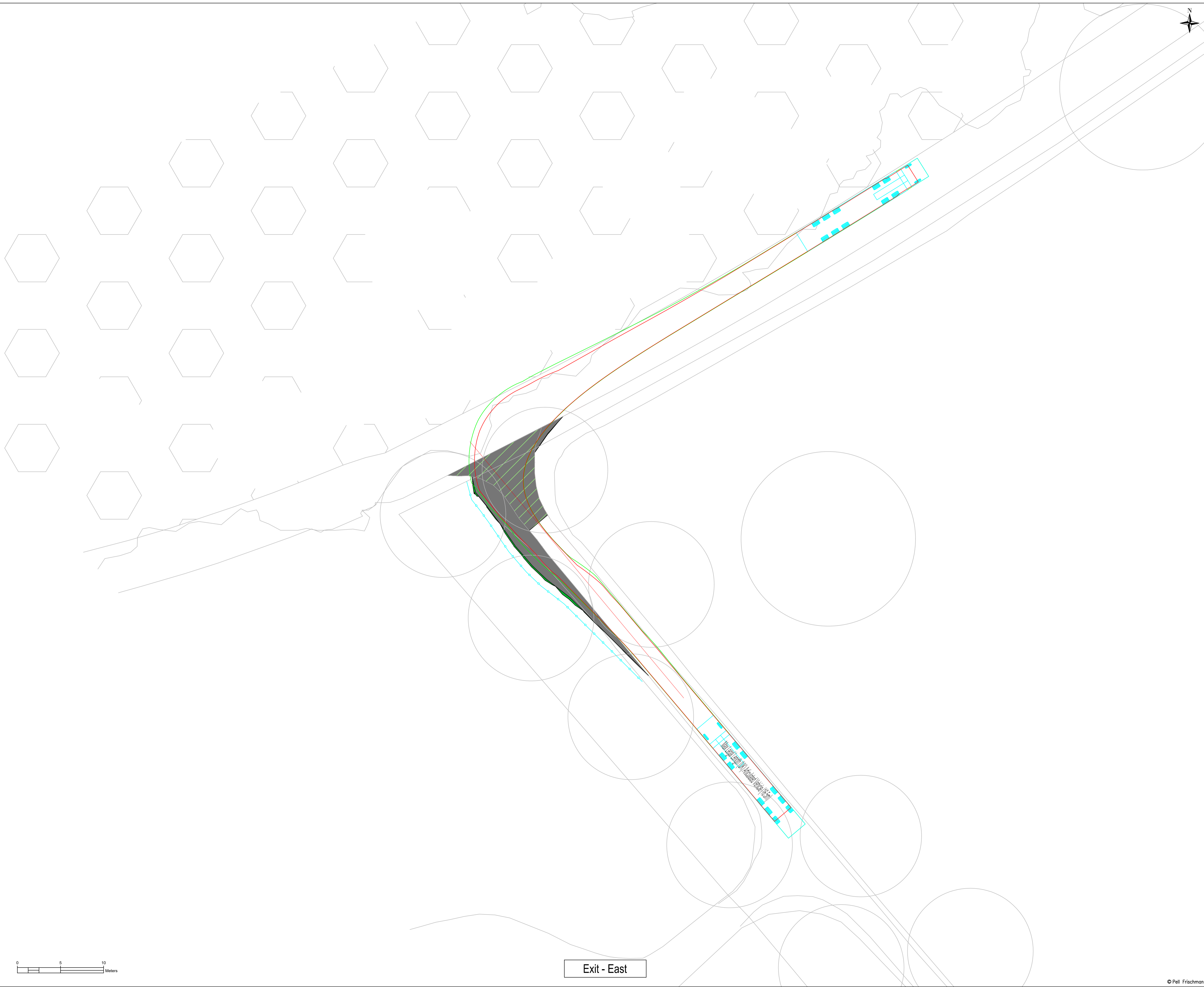
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Project
Oaklands Solar

Drawing Title
Park Farm Junction Cross Sections

	Name	Date	Scale
Designed	JS	01.02.2024	1:100 @ A1
Checked	SCM	01.02.2024	File 230829 Oaklands Park Farm Junction Design
Drawing No.	SK03	Drawing Status	DRAFT
Revision			P1



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KEY:

- Vehicle Wheels
- Vehicle Body

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Project
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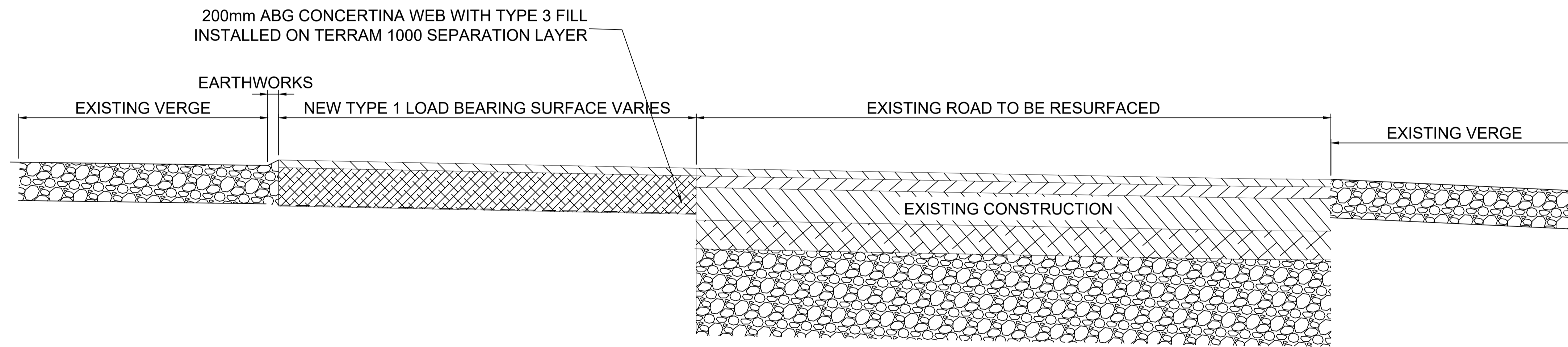
Drawing Title
Park Farm Junction Swept Path Analysis

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Designed	JS	01.02.2024	File	230829 Oaklands Park Farm Junction Design
Checked	SCM	01.02.2024	Drawing Status	DRAFT

Drawing No.	SK04	Revision	P1
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0 5 10 Meters

Exit - East



JUNCTION WIDENING CONSTRUCTION DETAIL
CHAINAGE 10

- NOTE:
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KEY:

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Client

ITP Energised

Project

Oaklands Solar

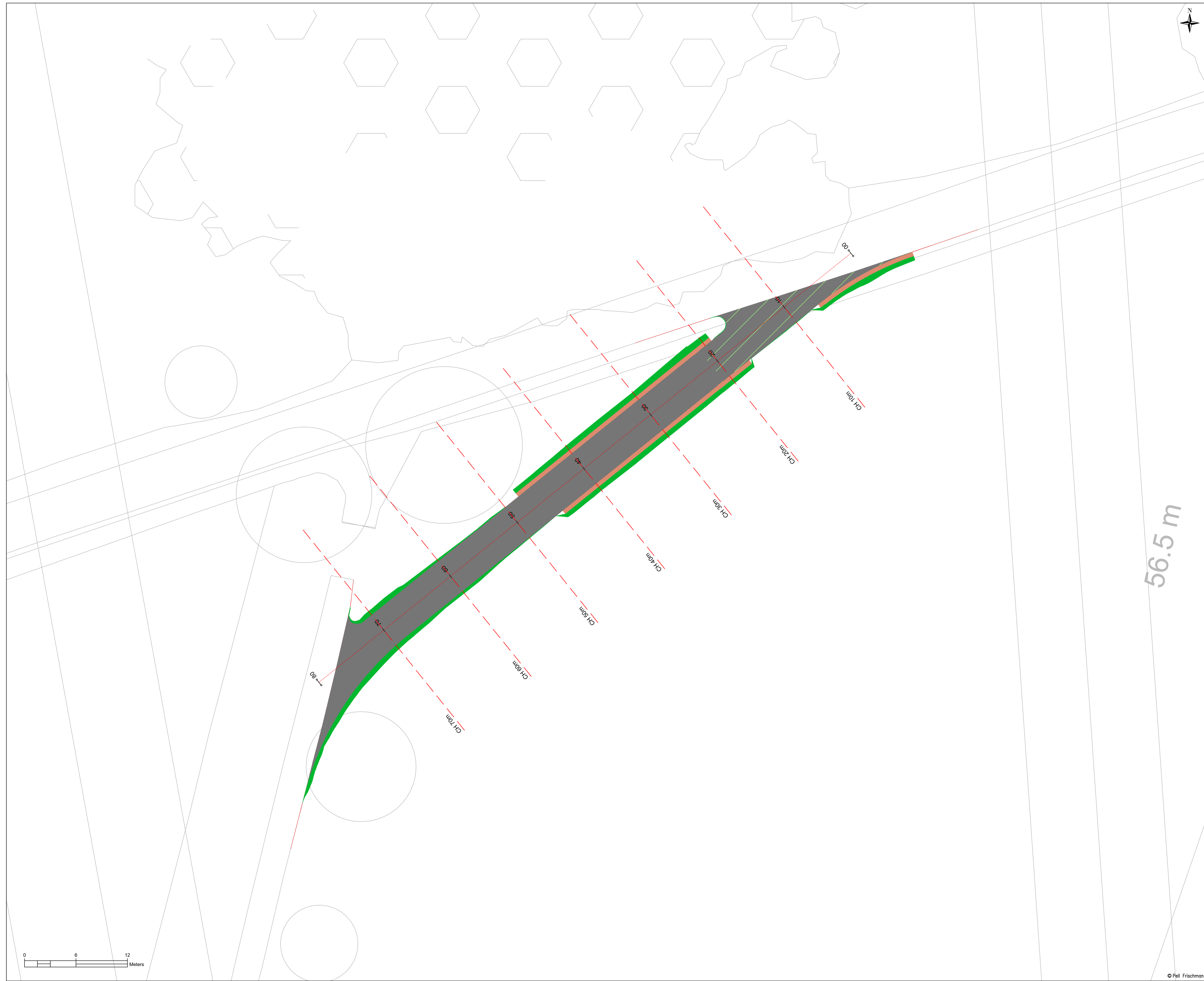
Drawing Title

**Park Farm Junction
Detailed Cross Section**

	Name	Date	Scale
Designed	JS	01.02.2024	File 230829 Oaklands Park Farm Junction Design
Checked	SCM	01.02.2024	Drawing Status DRAFT

Drawing No.	Revision
SK05	P1

Park Farm Exit Junction Design



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- KEY:
- Cross Sections
 - Proposed Type 1 Track
 - Proposed Tarmac Surface
 - Proposed Ditch
 - Proposed Earthworks

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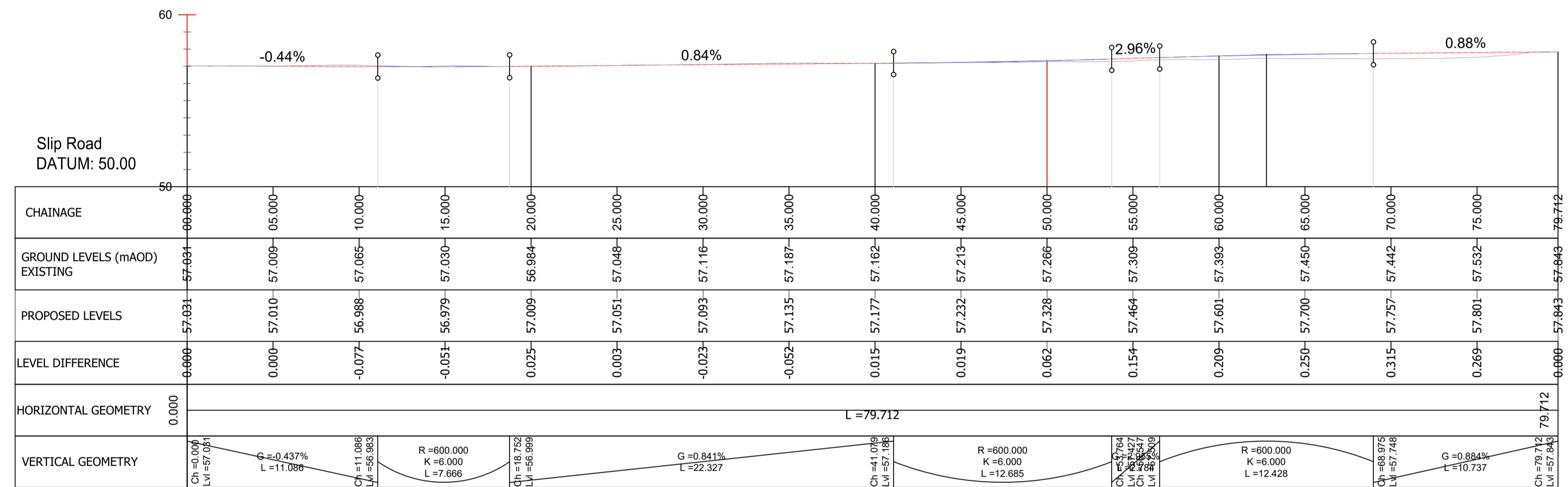
Client
ITP Energised

Project
Oaklands Solar

Drawing Title
**Park Farm Eastern Junction
 General Arrangement**

	Name	Date	Scale
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Checked	SCM	01.02.2024	File 230720 Park Farm Eastern Junction Design
			Drawing Status DRAFT

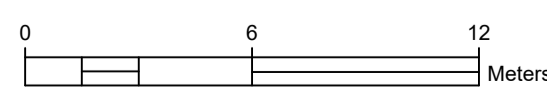
Drawing No.	SK01	Revision	P1
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KEY:

- Existing Levels
- Proposed Levels
- Proposed Levels Vertical Curve



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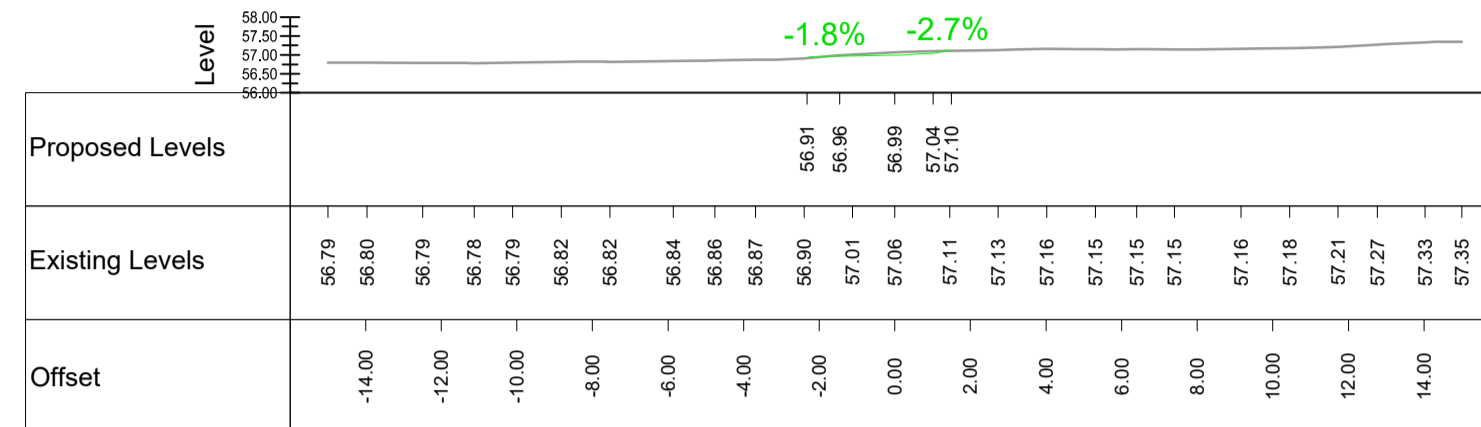
Client
ITPEnergised

Project
Oaklands Solar

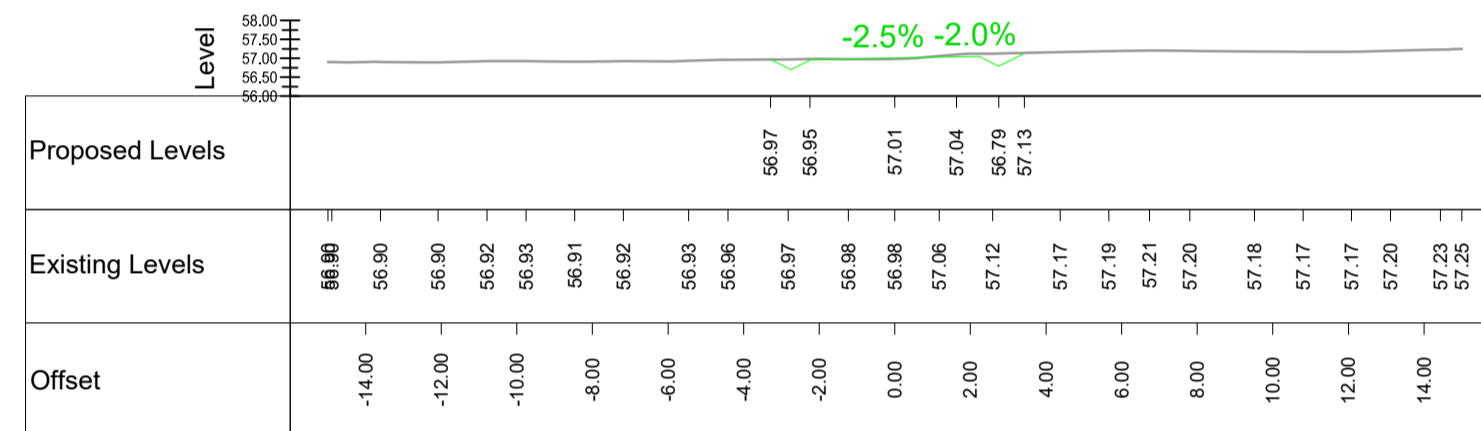
Drawing Title
**Park Farm Eastern Junction
 Longsection**

Name	Date	Scale
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Checked	SCM 01.02.2024	File 230720 Park Farm Eastern Junction Design
		Drawing Status DRAFT

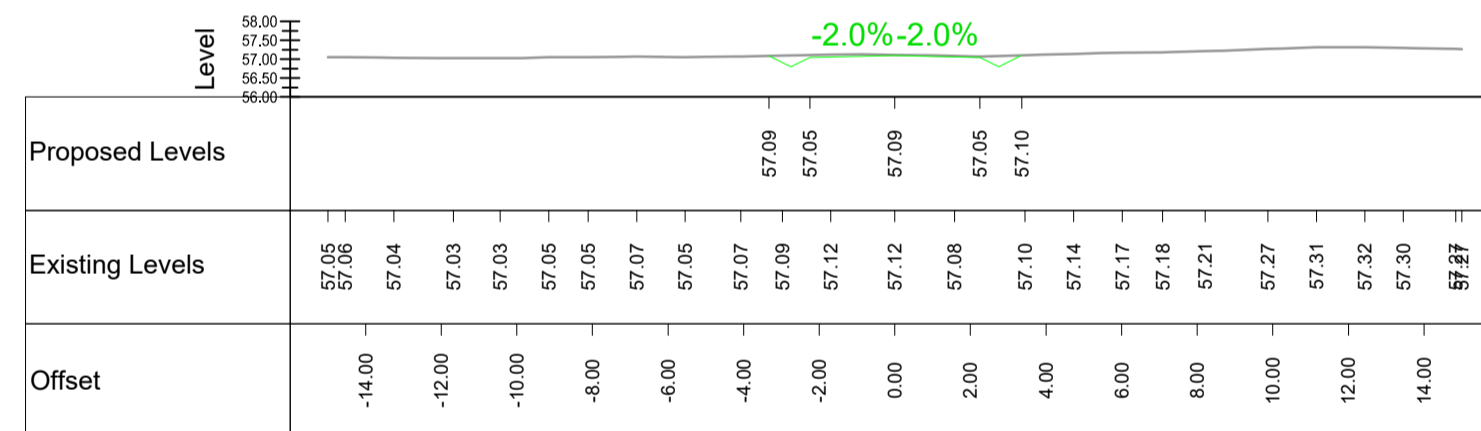
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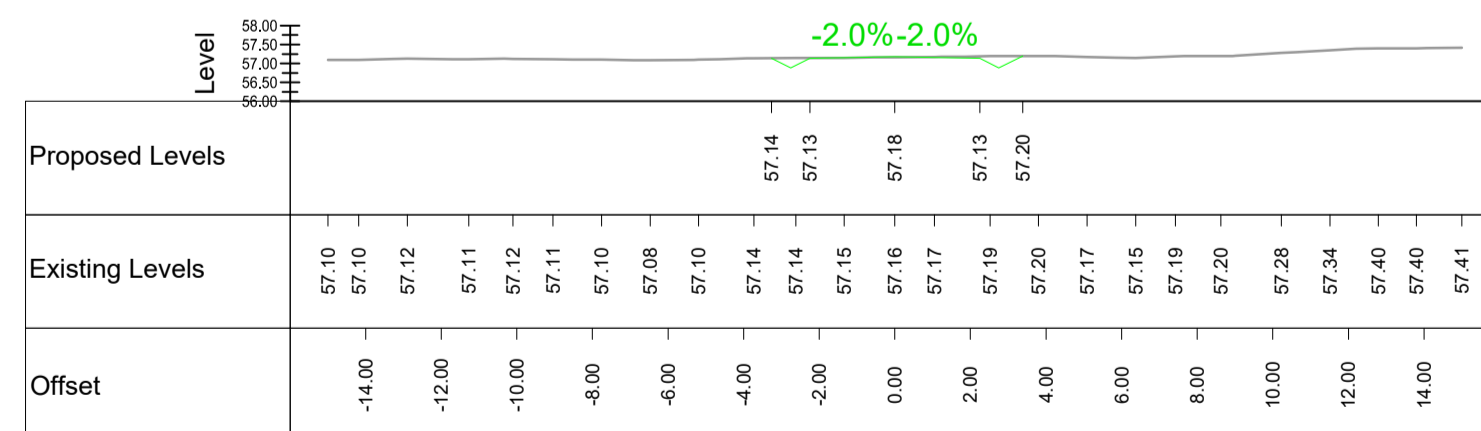
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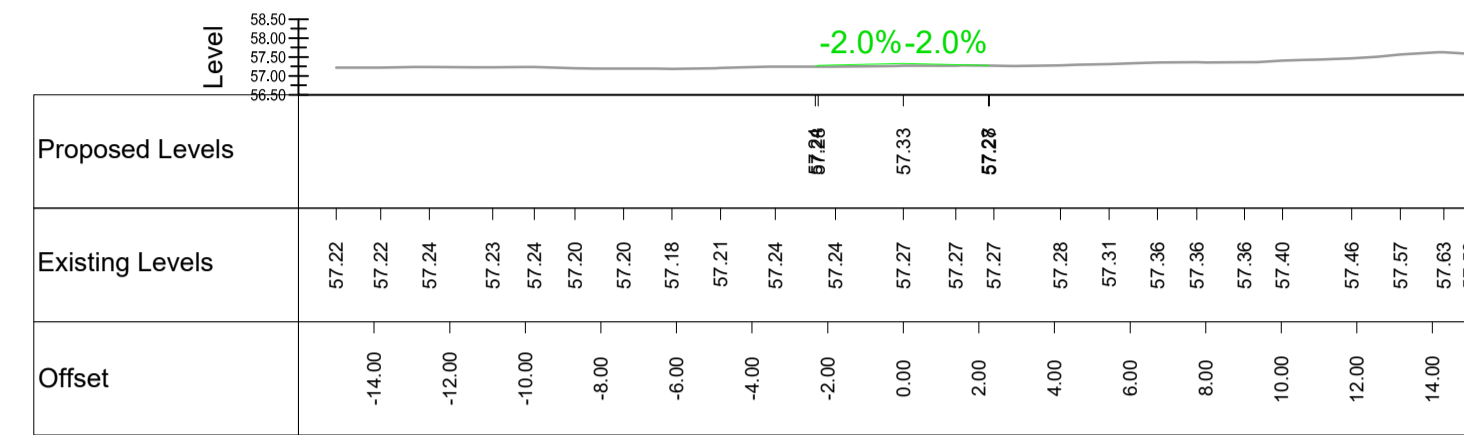
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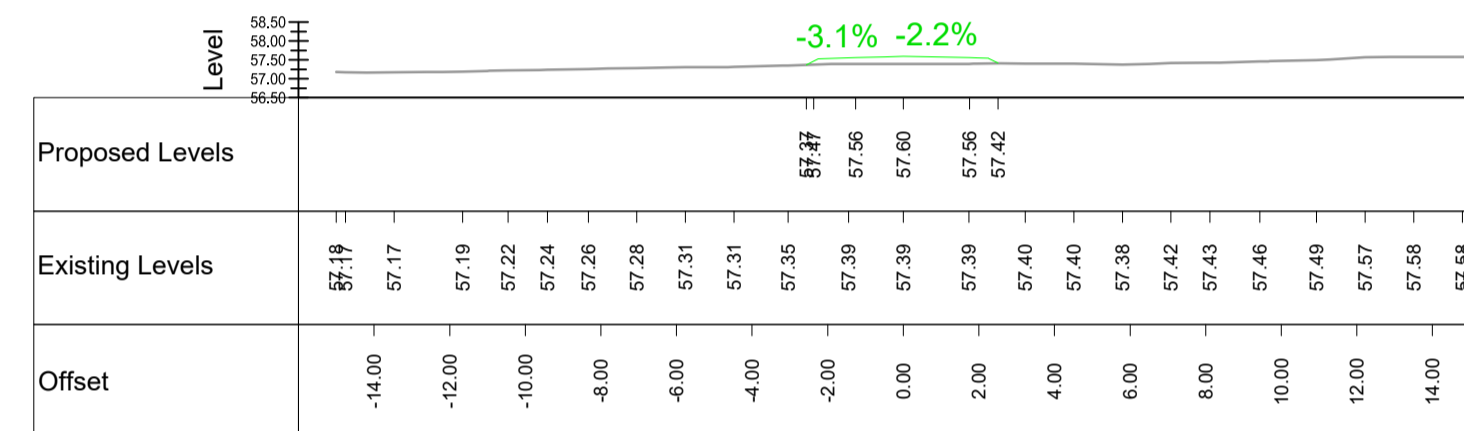
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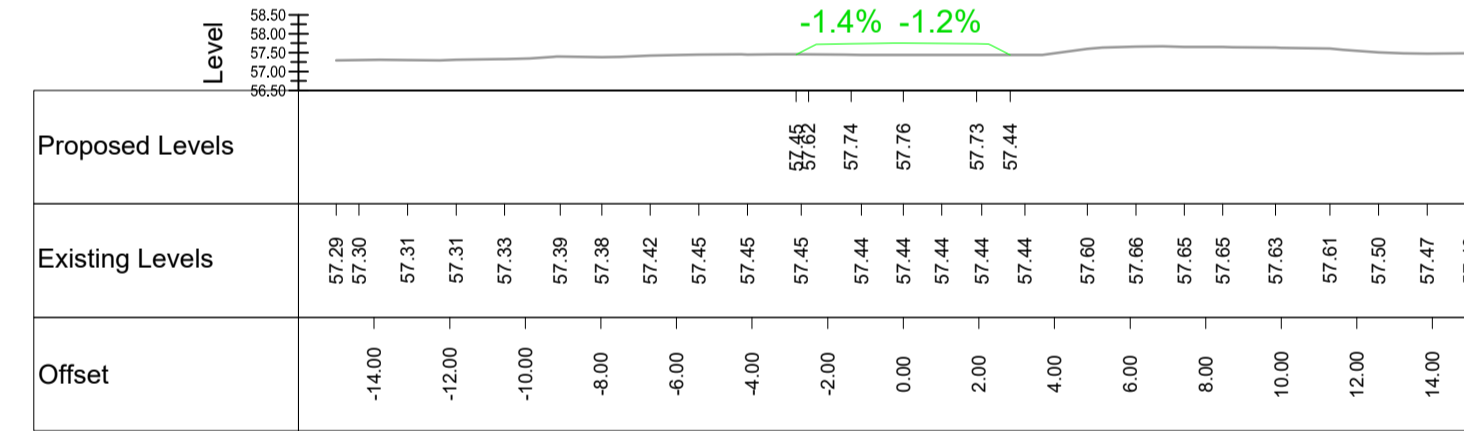
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Chainage 60.000



Chainage 70.000

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KEY:
 Existing Levels
 Proposed Levels



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Client: ITP Energised

Project: Oaklands Solar

Drawing Title: Park Farm Eastern Junction Cross Sections

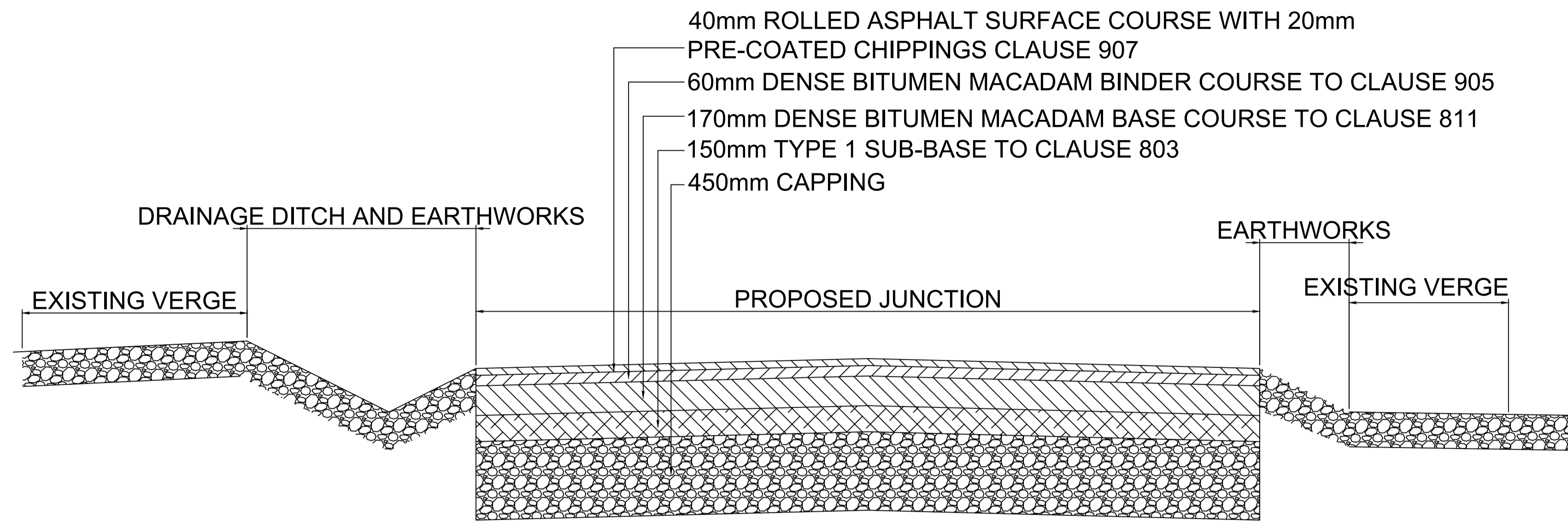
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Checked	SCM	01.02.2024	File 230720 Park Farm Eastern Junction Design
Drawing Status			DRAFT

Drawing No. SK03 Revision P1

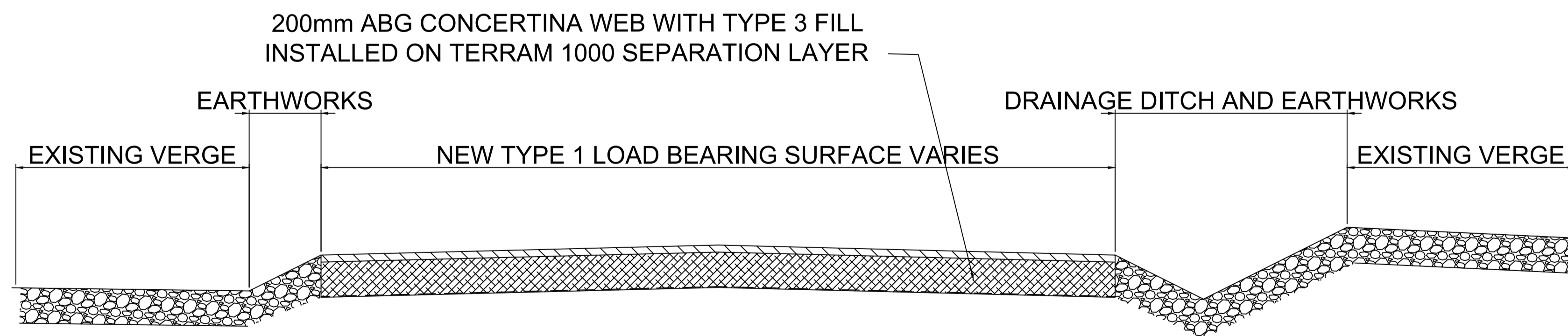


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KEY:



JUNCTION CONSTRUCTION DETAIL



TRACK CONSTRUCTION DETAIL

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Client

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Project

Oaklands Solar

Drawing Title

Park Farm Eastern Junction
Detailed Cross Sections

	Name	Date	Scale
			NTS @ A1
Designed	JS	01.02.2024	File 230720 Park Farm Eastern Junction Design
Checked	SCM	01.02.2024	Drawing Status DRAFT

Drawing No.

SK04

Revision

P1



NOTE:

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KEY:

- Vehicle Wheels
- Vehicle Body

56.5 m

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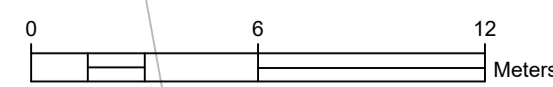
Oaklands Solar

Drawing Title

Park Farm Eastern Junction
Left Turn Entry
Swept Path Analysis

	Name	Date	Scale
Designed	JS	01.02.2024	1:200 @ A1
Checked	SCM	01.02.2024	File 230720 Park Farm Eastern Junction Design
			Drawing Status DRAFT

Drawing No.	Revision
SK05	P1








Rosliston Road Crossroads Design

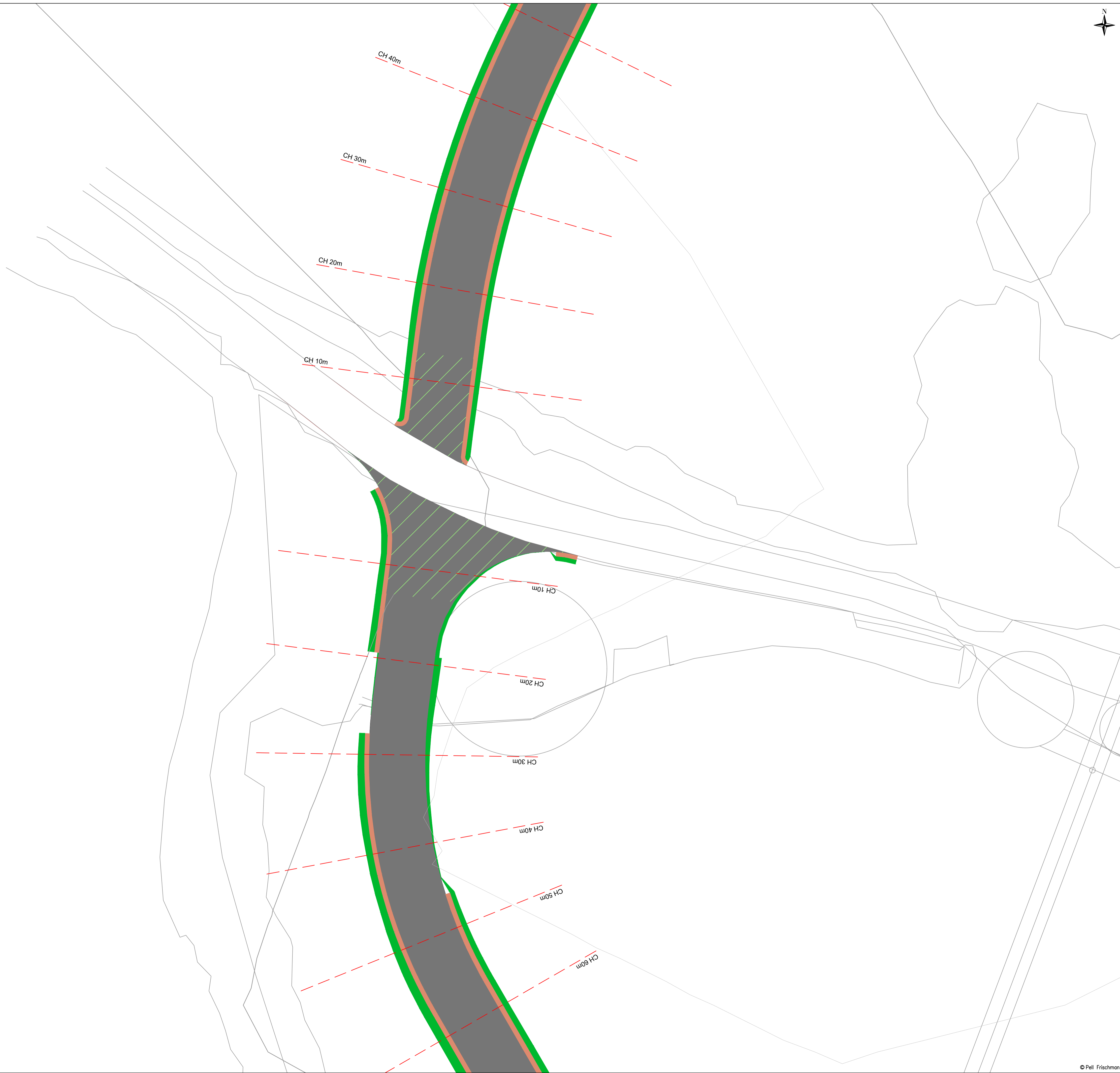


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KEY:

-  Cross Sections
-  Proposed Type 1 Track
-  Proposed Tarmac Surface
-  Proposed Ditch
-  Proposed Earthworks



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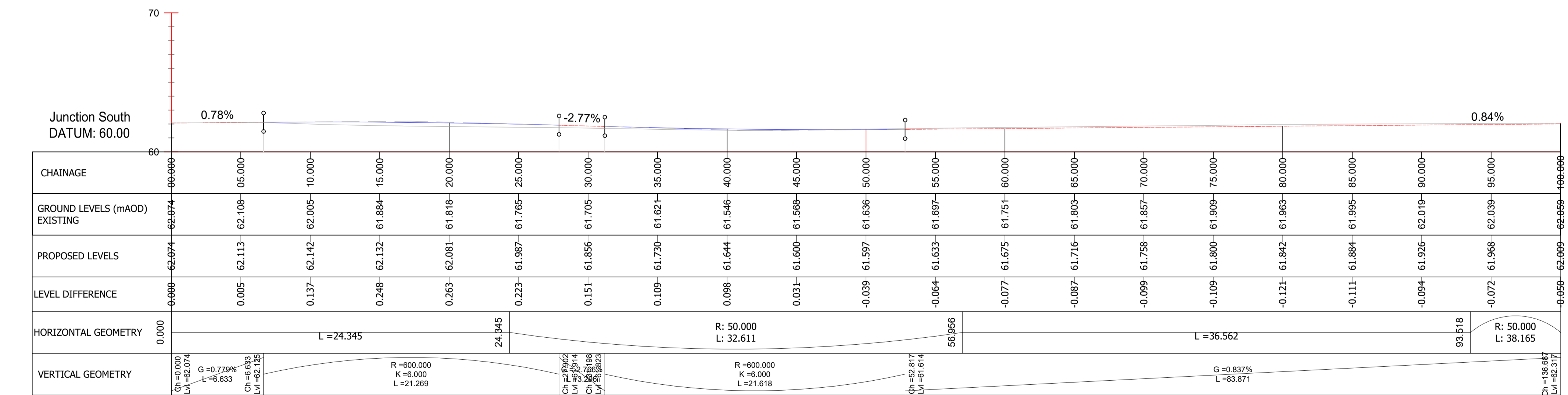
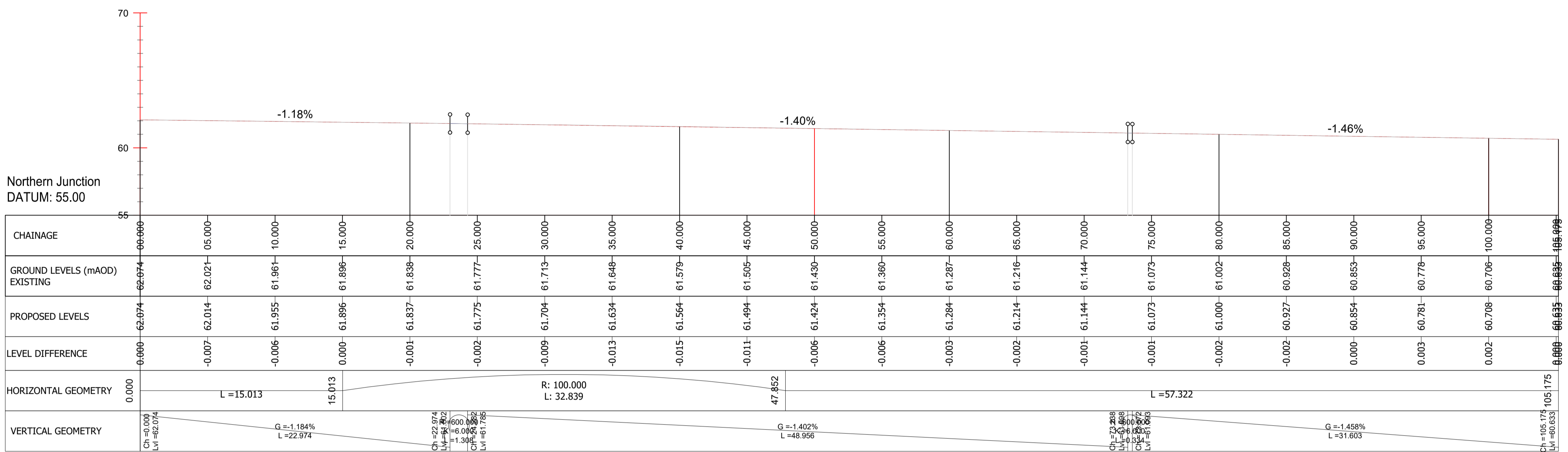
Client
ITP Energised

Project
Oaklands Solar

Drawing Title
**Rosliston Road Crossroads
 General Arrangement**

	Name	Date	Scale
Designed	JS	01.02.2024	1:200 @ A1
Checked	SCM	01.02.2024	File 230720 Oaklands Rosliston Road Crossroads Design
			Drawing Status DRAFT

Drawing No.	SK01	Revision	P1
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KEY:

- Existing Levels
- Proposed Levels
- Proposed Levels Vertical Curve

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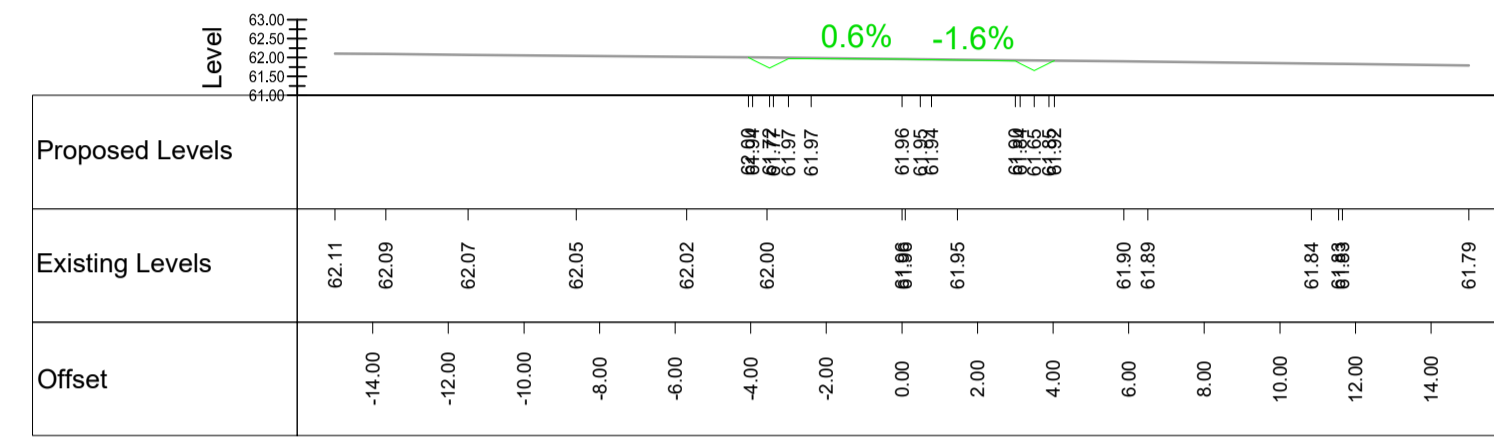
Project
Oaklands Solar

Drawing Title
**Rosliston Road Crossroads
 Longsections**

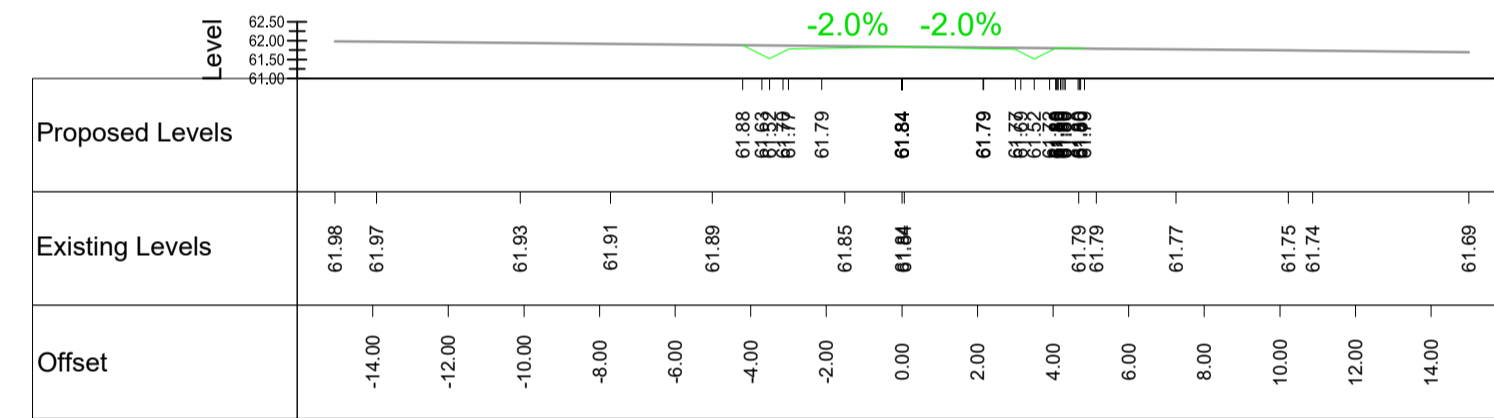
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Drawing No. **SK02** Revision **P1**

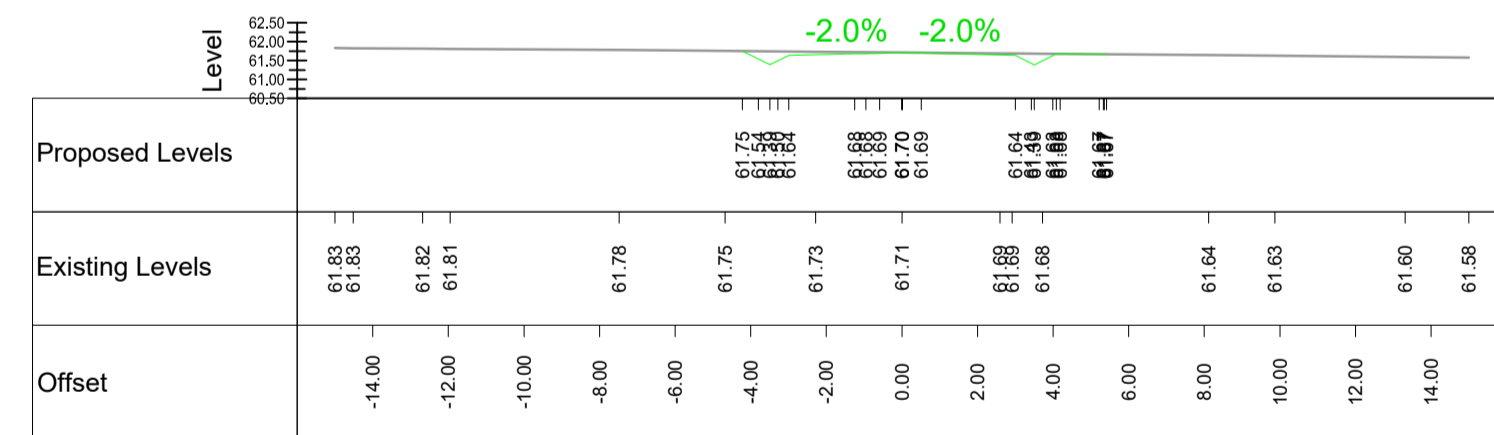




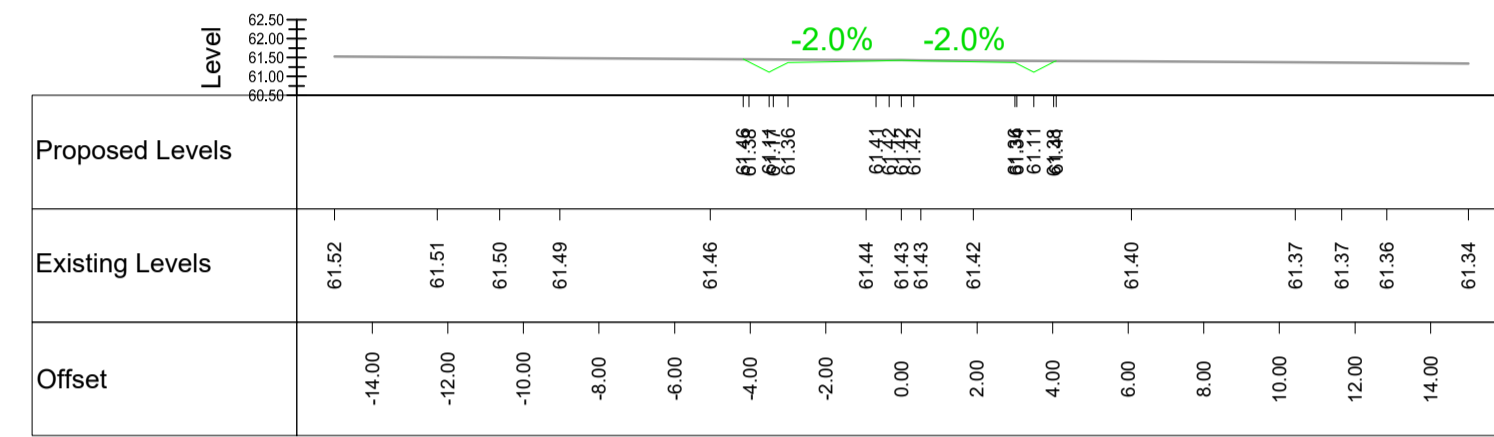
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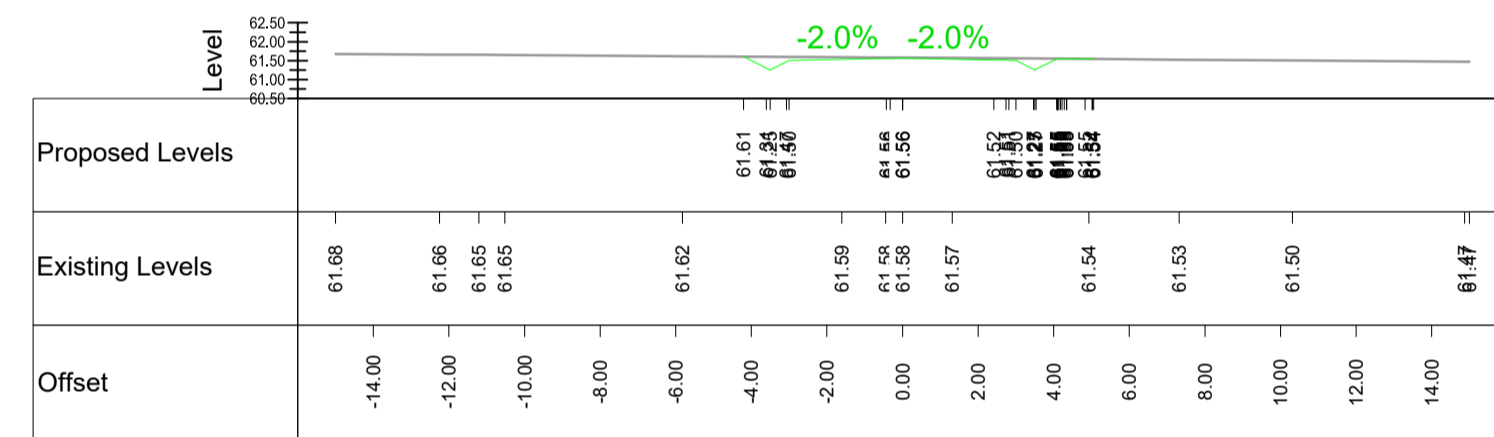
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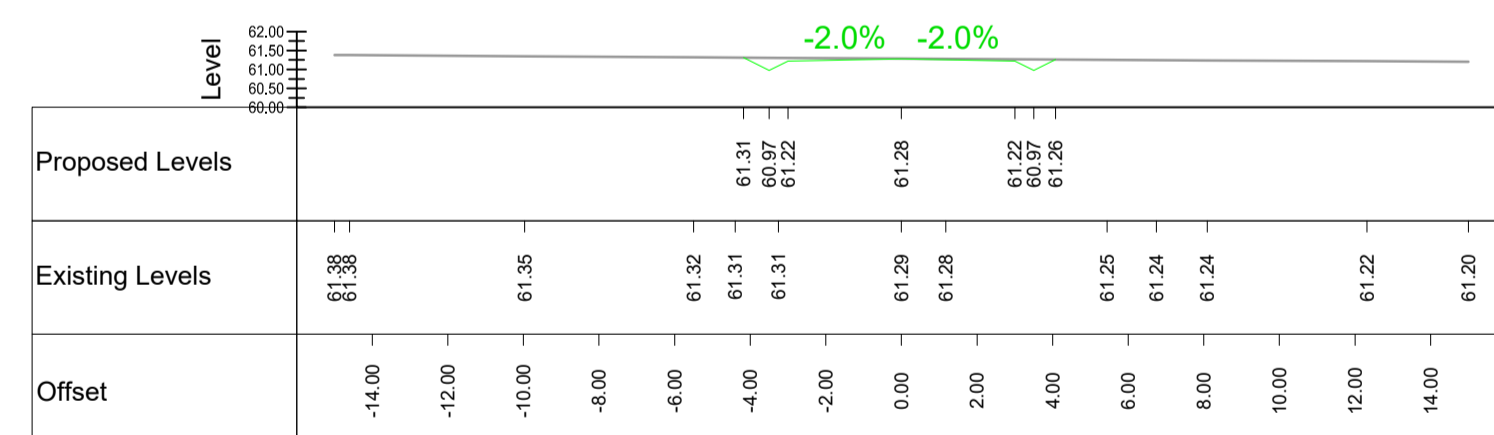
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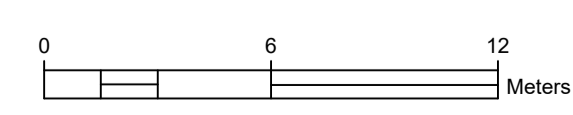
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KEY:
 — Existing Levels
 — Proposed Levels



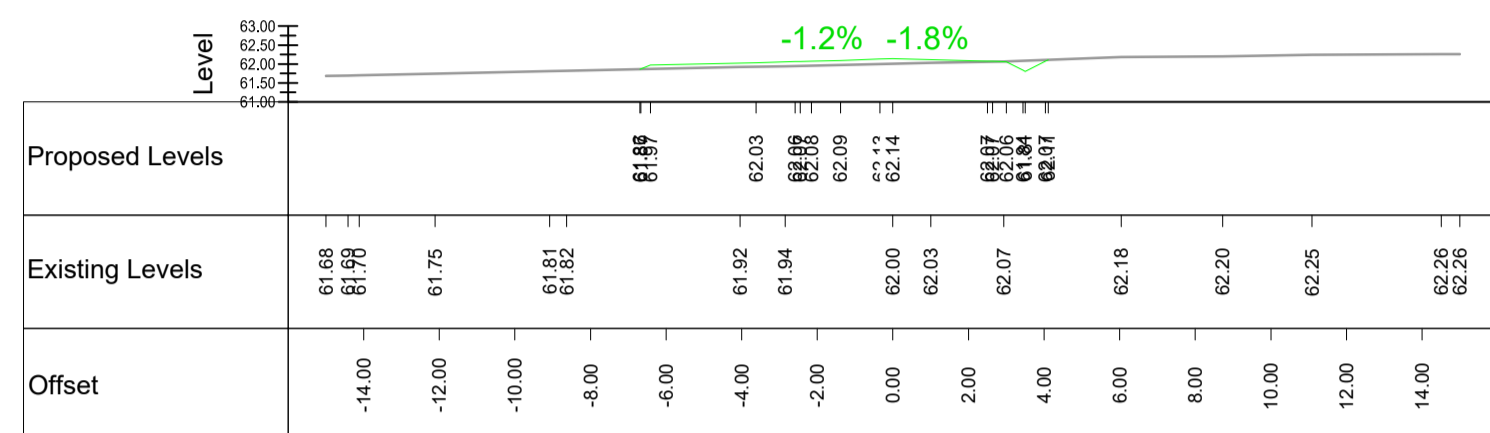
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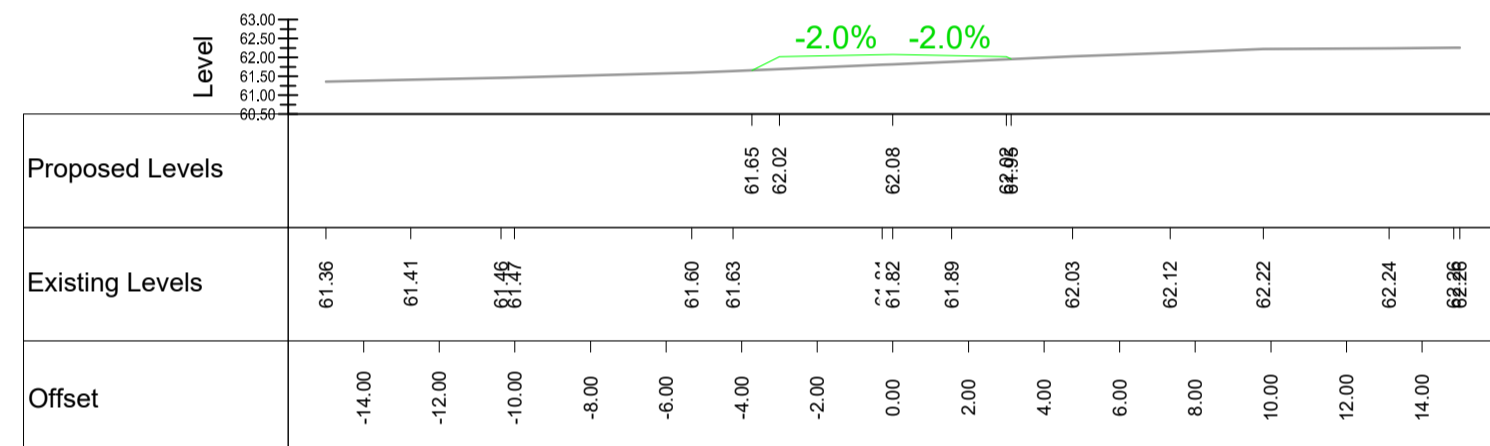
Project
Oaklands Solar

Drawing Title
**Rosliston Road Crossroads
 Northern Junction
 Cross Sections**

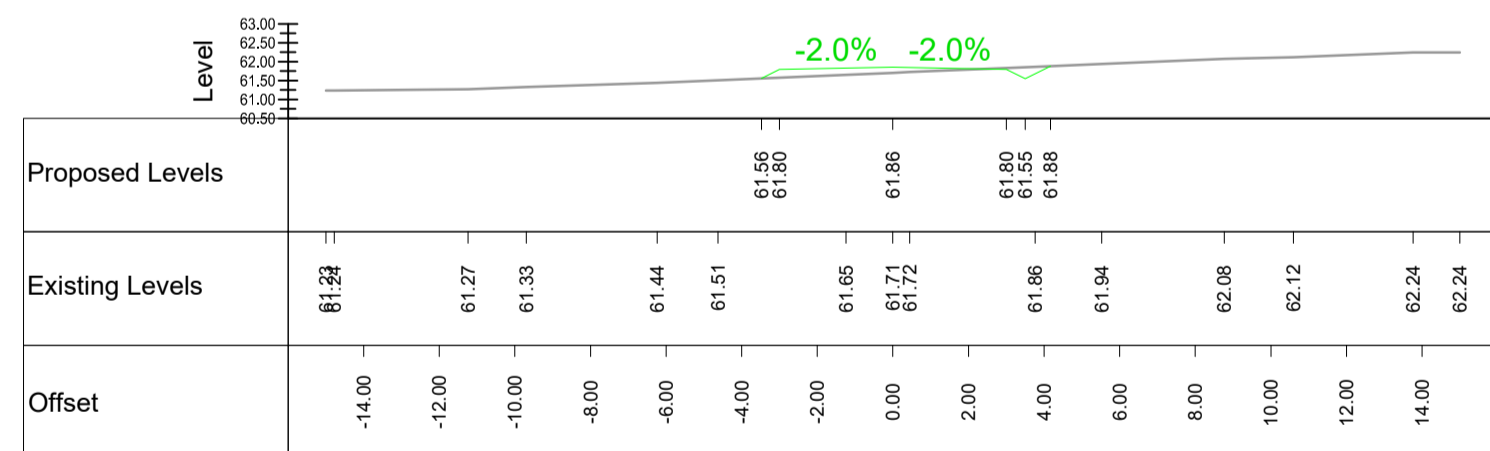
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Checked	SCM	01.02.2024	File 230720 Oaklands Rosliston Road Crossroads Design
Drawing No.	SK03		Drawing Status DRAFT
Revision	P1		



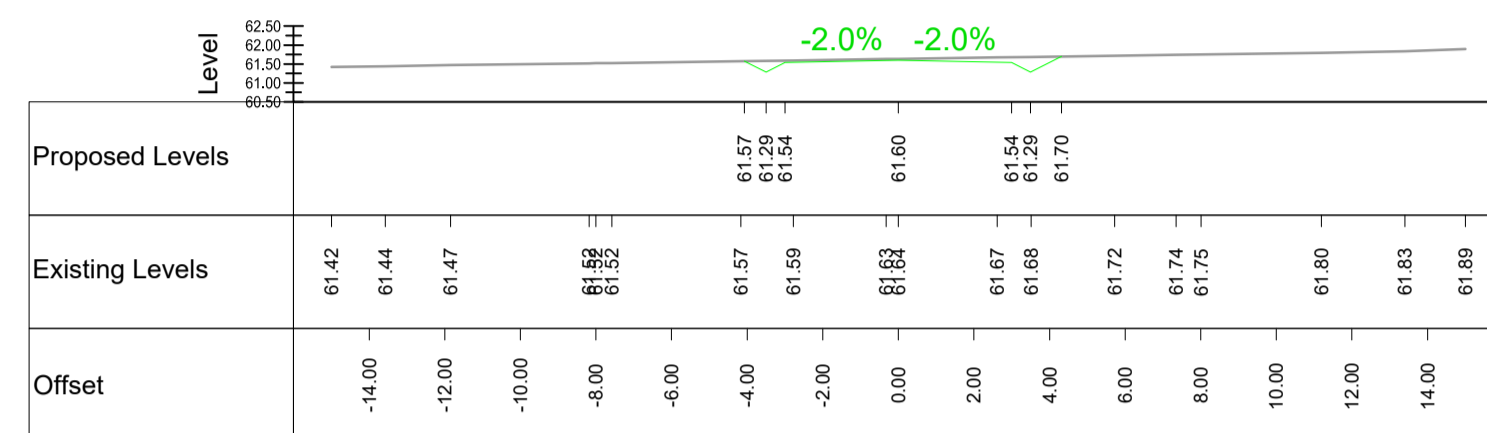
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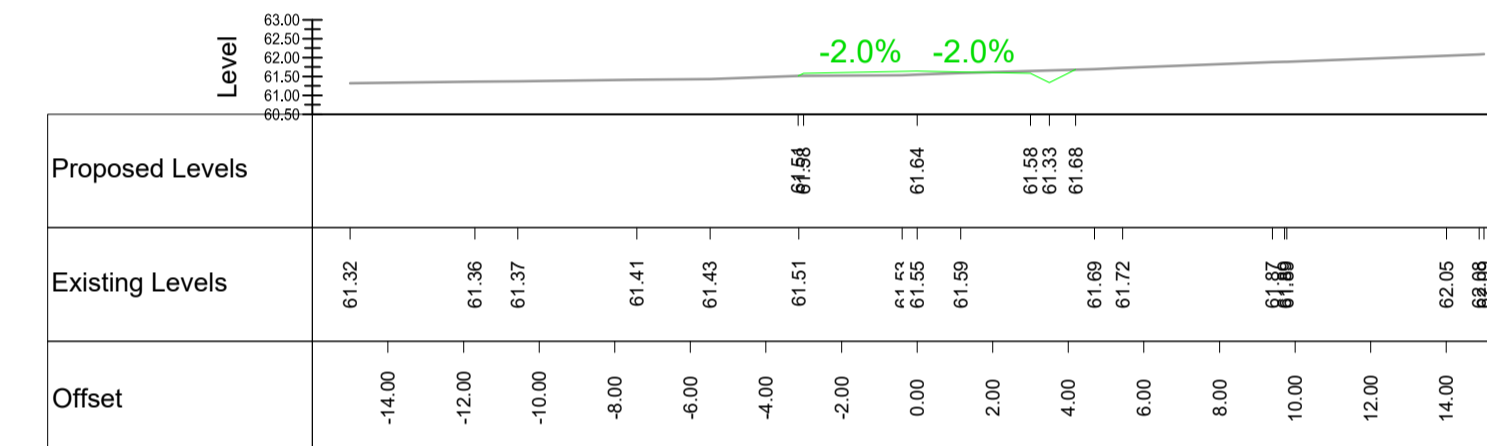
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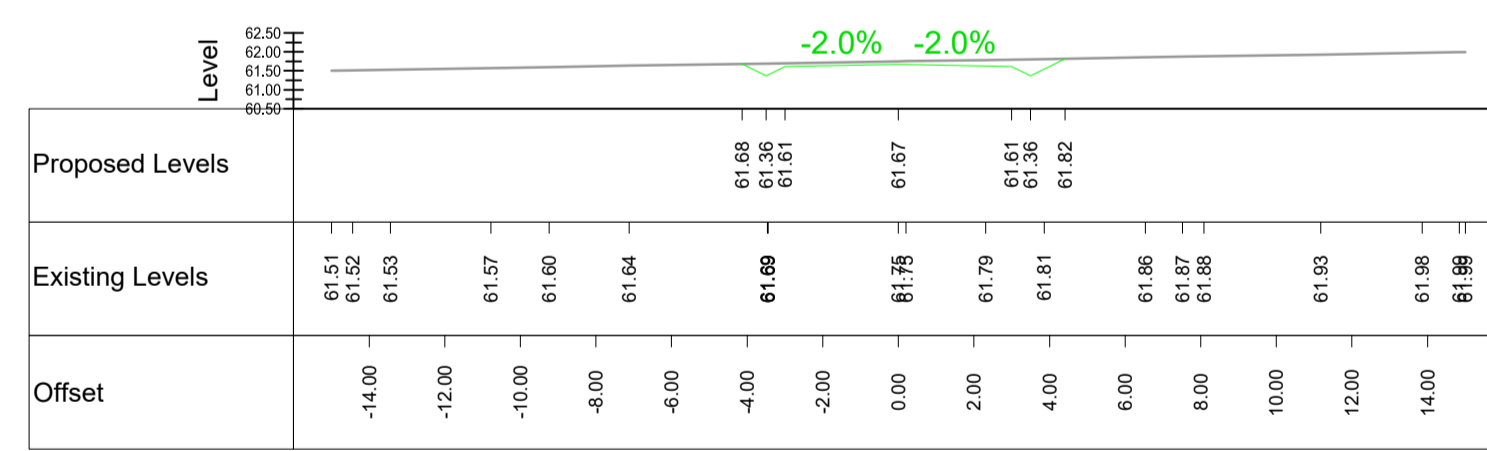
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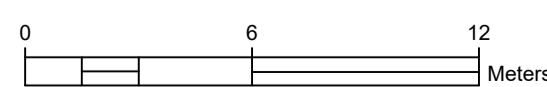
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Chainage 40.000 (4)



Chainage 60.000 (6)



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KEY:
 Existing Levels
 Proposed Levels

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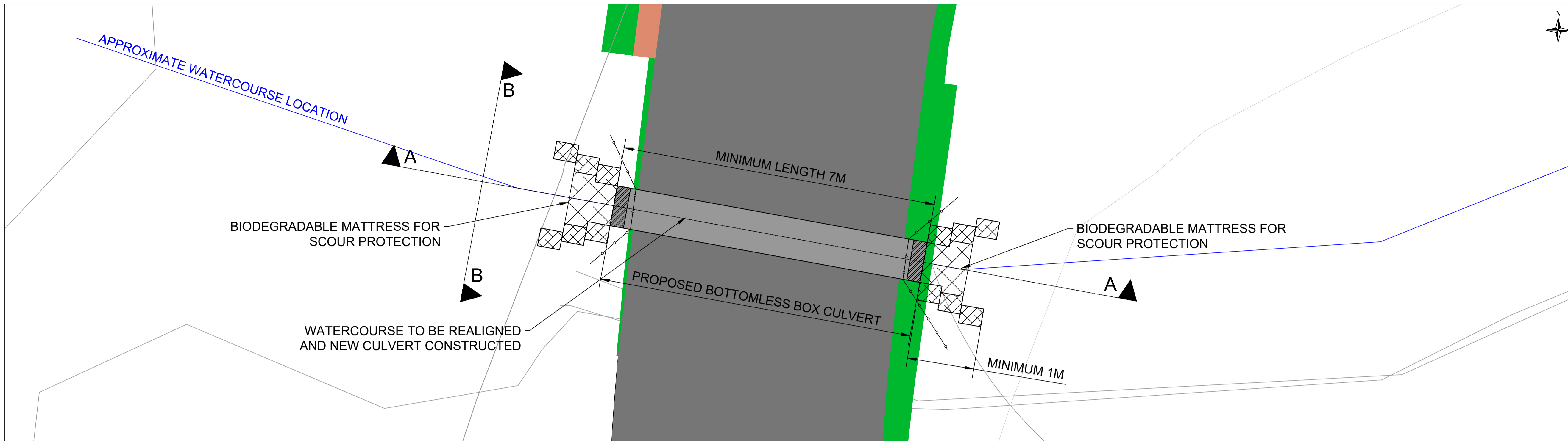
Client
ITPEnergised

Project
Oaklands Solar

Drawing Title
**Rosliston Road Crossroads
 Southern Junction
 Cross Sections**

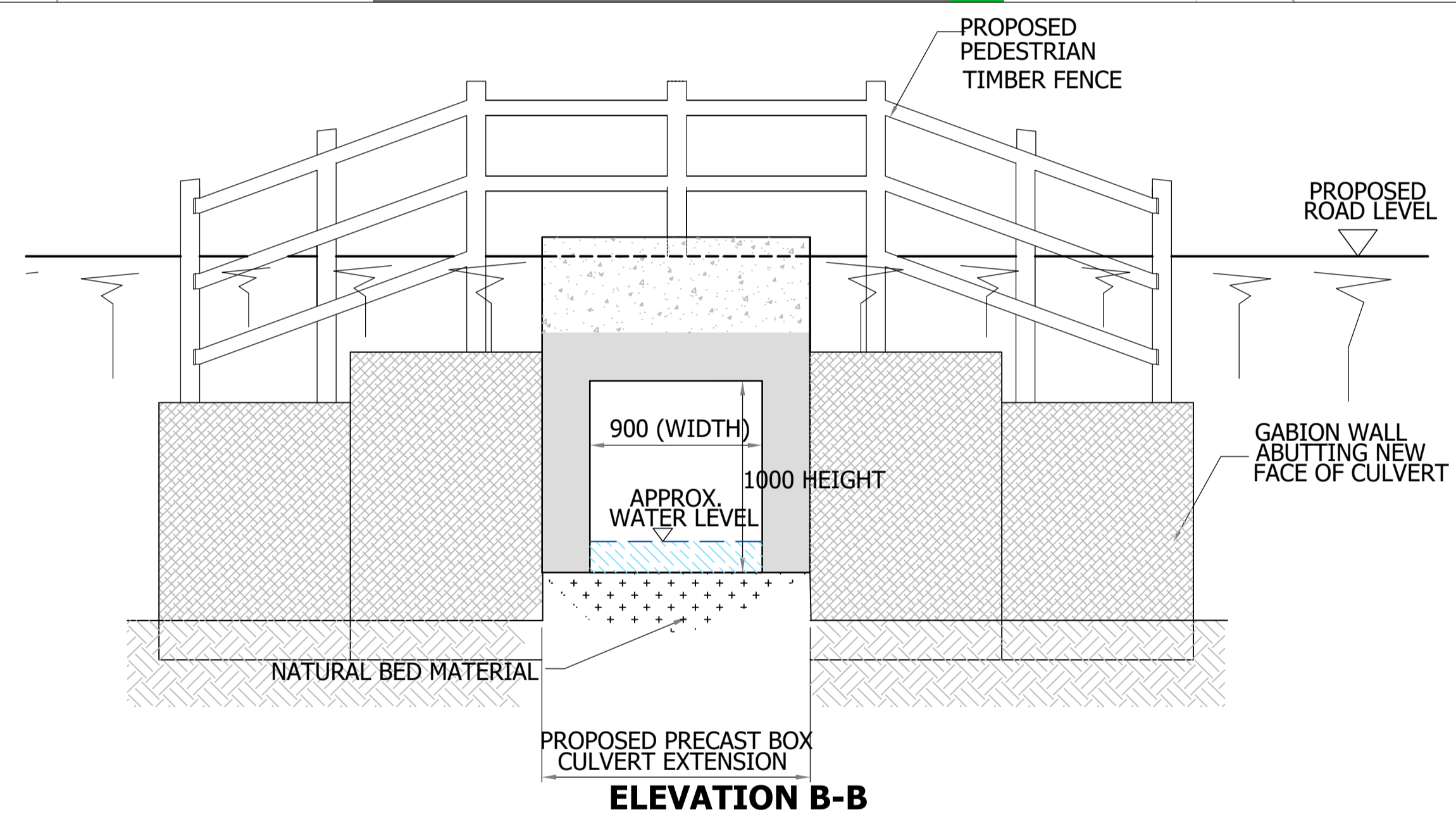
Name	Date	Scale
Designed	JS 01.02.2024	1:200 @ A1
Checked	SCM 01.02.2024	File 230720 Oaklands Rosliston Road Crossroads Design
Drawing Status	DRAFT	

Drawing No. **SK04** Revision **P1**

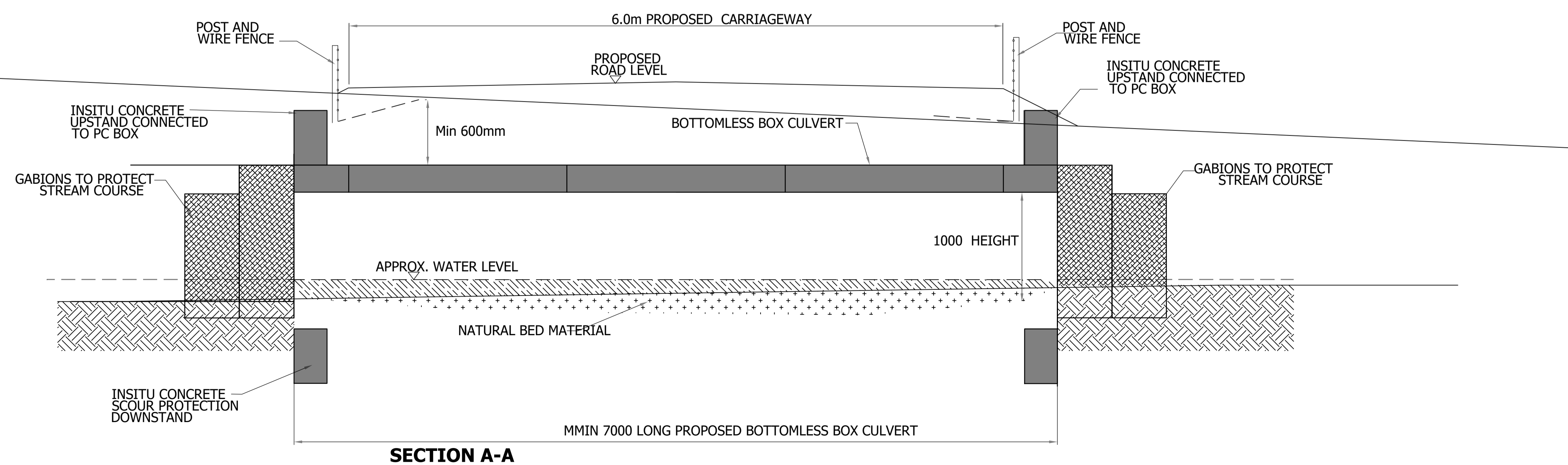


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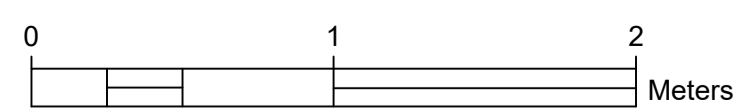
KEY:



ELEVATION B-B



SECTION A-A



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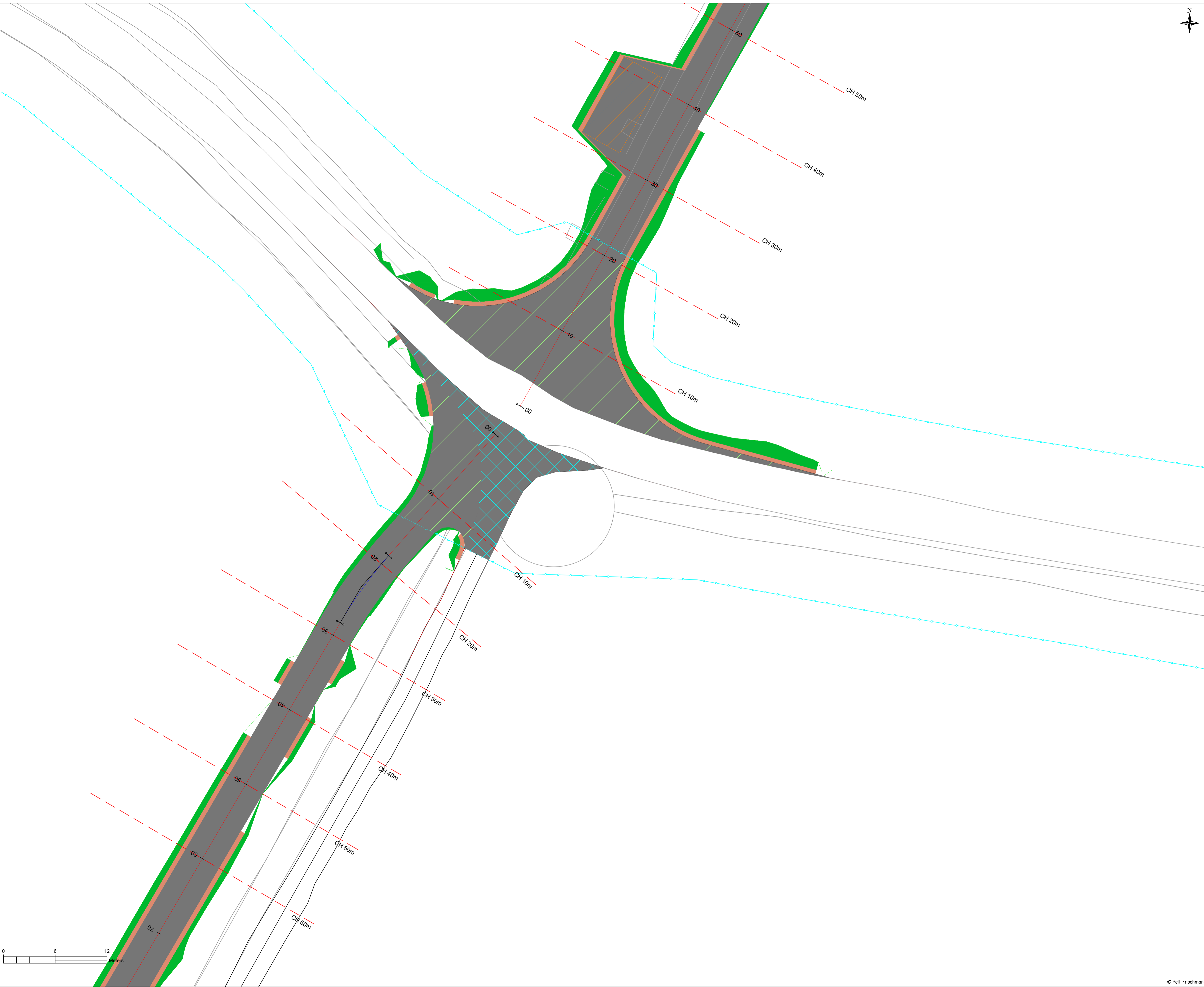
Project: Oaklands Solar

Drawing Title: Rosliston Road Crossroads Watercourse Construction Details

Name	Date	Scale	1:50 @ A1
Designed JS	01.02.2024	File	230720 Oaklands Rosliston Road Crossroads Design
Checked SCM	01.02.2024	Drawing Status	DRAFT

Drawing No. SK06 Revision P1

Coton Road Crossroads Design



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- KEY:
- Cross Sections
 - Proposed Type 1 Track
 - Proposed Tarmac Surface
 - Proposed Resurfacing
 - Proposed Ditch
 - Proposed Earthworks
 - Security Fence
 - Security Booth

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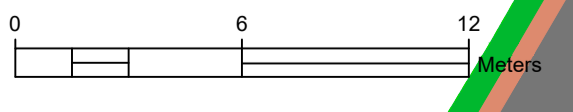
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ITPEnergised

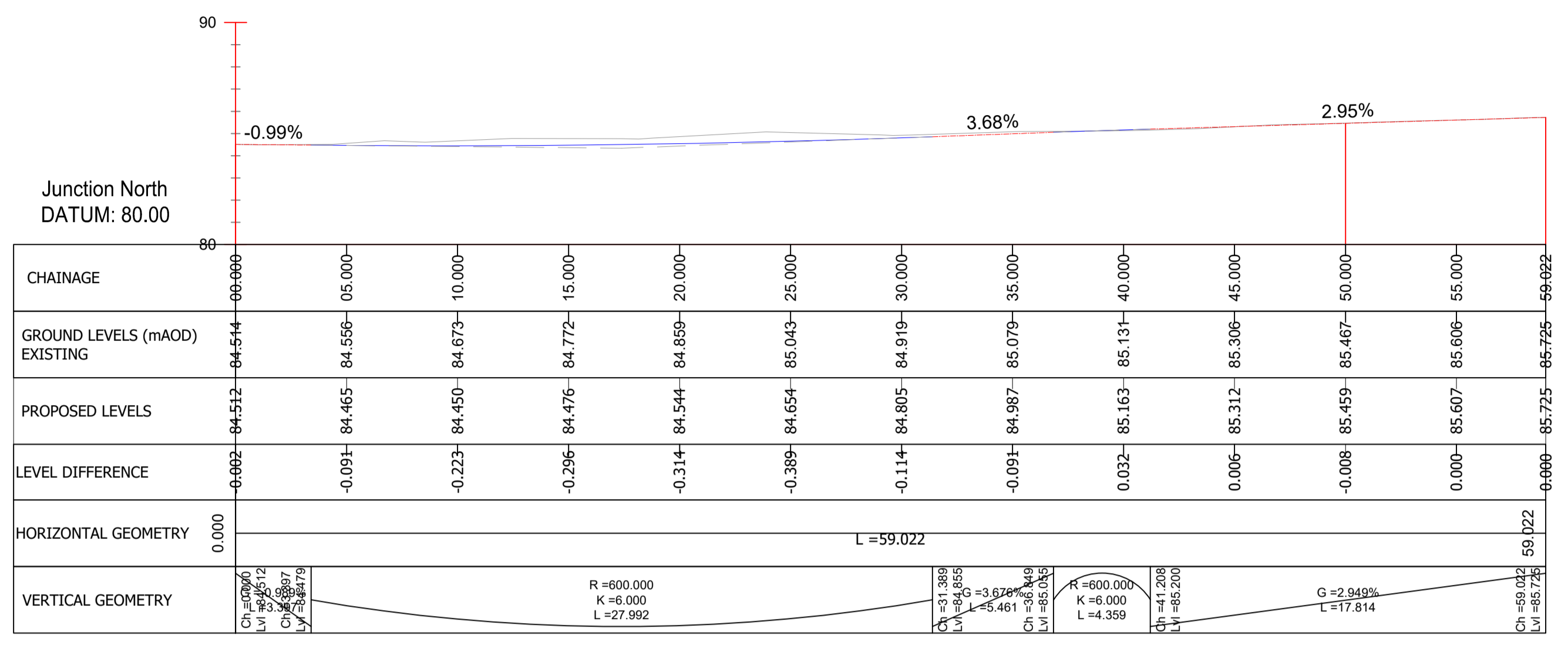
Project
Oaklands Solar

Drawing Title
**Southern Crossroads
 General Arrangement**

	Name	Date	Scale
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Checked	SCM	01.02.2024	File 230720 Oaklands Southern Crossroad Design
			Drawing Status DRAFT

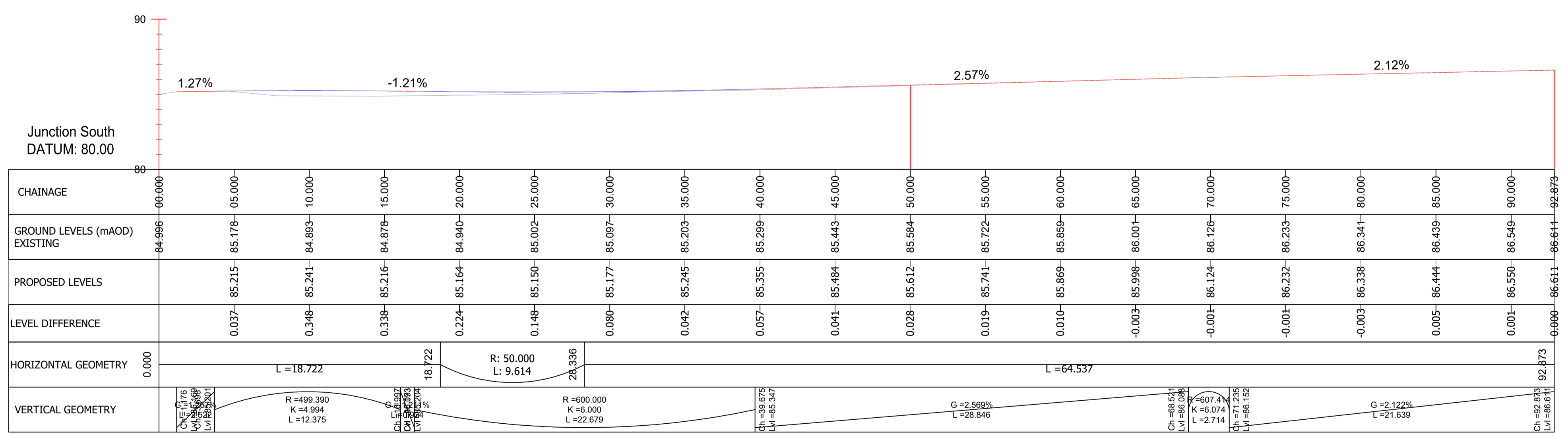
Drawing No.	SK01	Revision	1
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KEY:
 — Existing Levels
 — Proposed Levels
 — Proposed Levels Vertical Curve



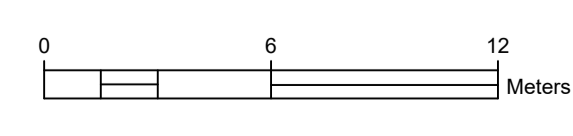
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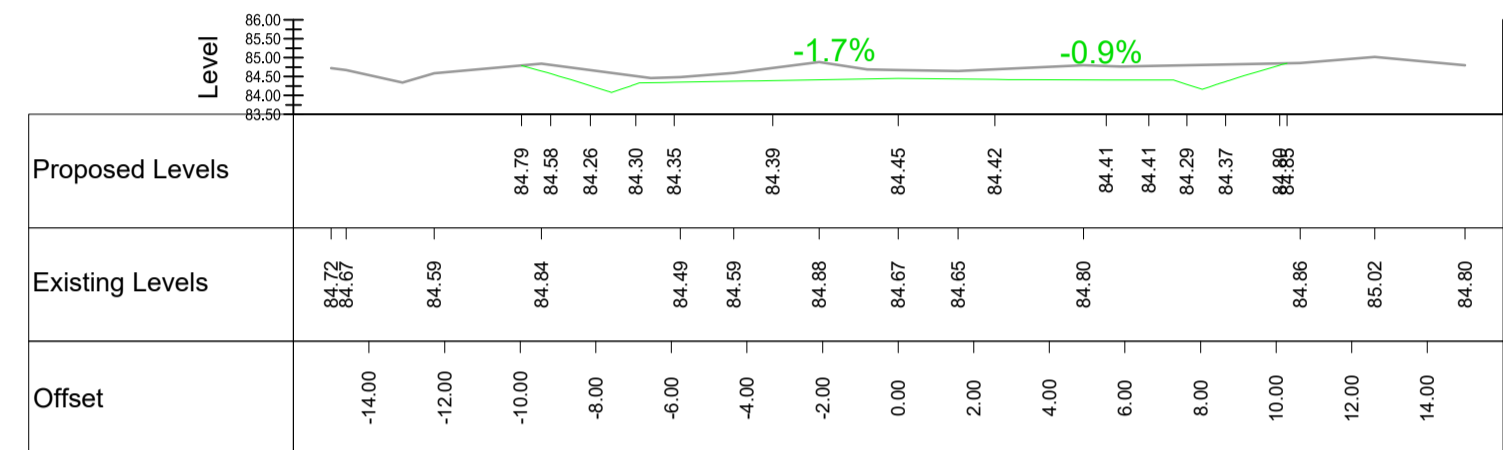
Client
ITP Energised

Project
Oaklands Solar

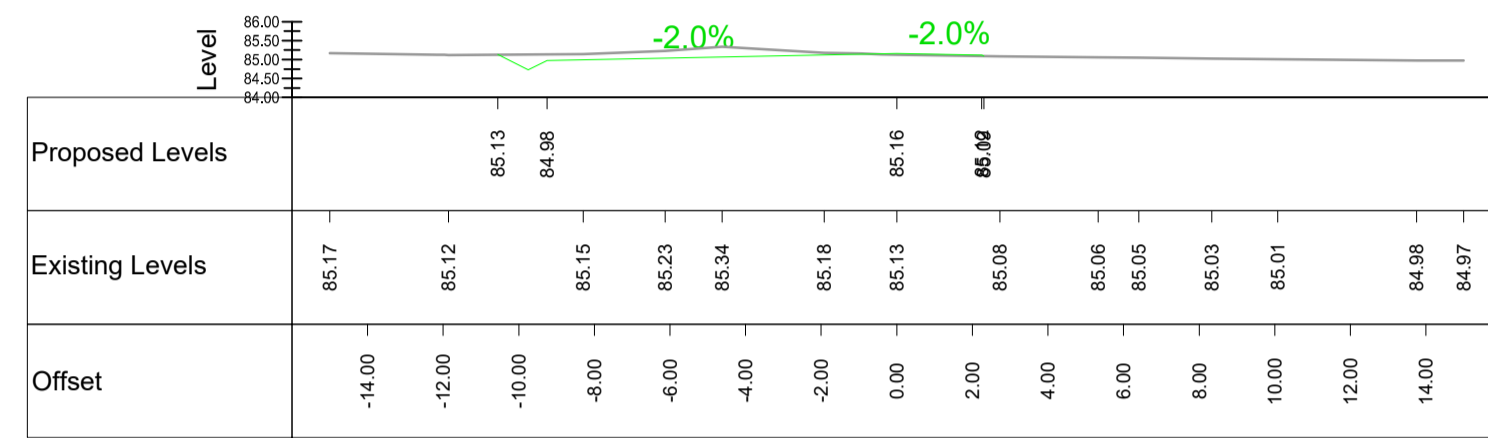
Drawing Title
**Southern Crossroads
 Longsections**

Name	Date	Scale
Designed	JS 01.02.2024	1:200 @ A1
Checked	SCM 01.02.2024	File 230720 Oaklands Southern Crossroad Design
Drawing No.	SK02	Drawing Status DRAFT
Revision	1	

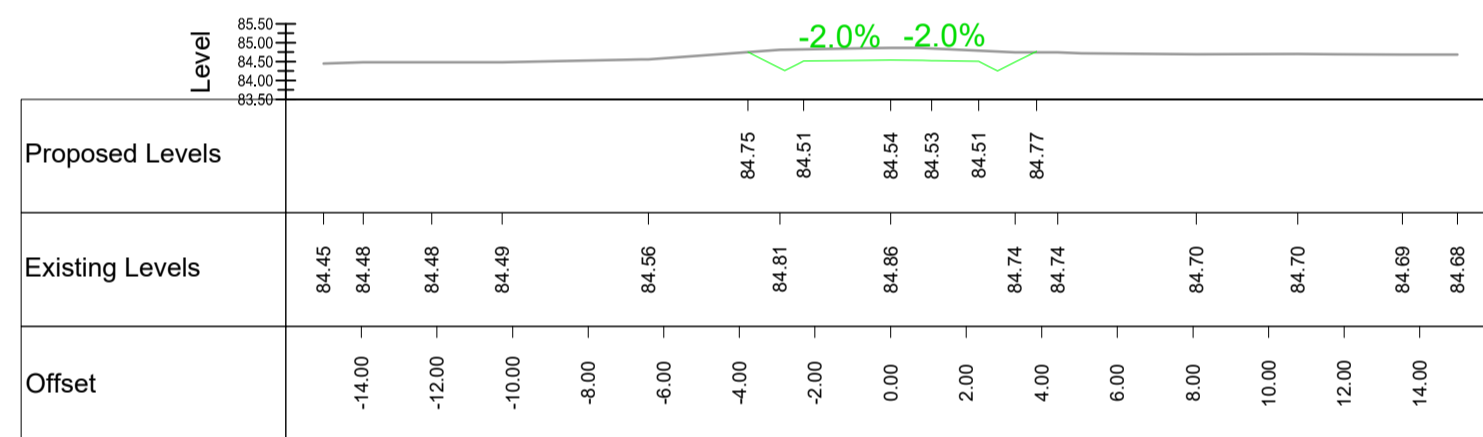




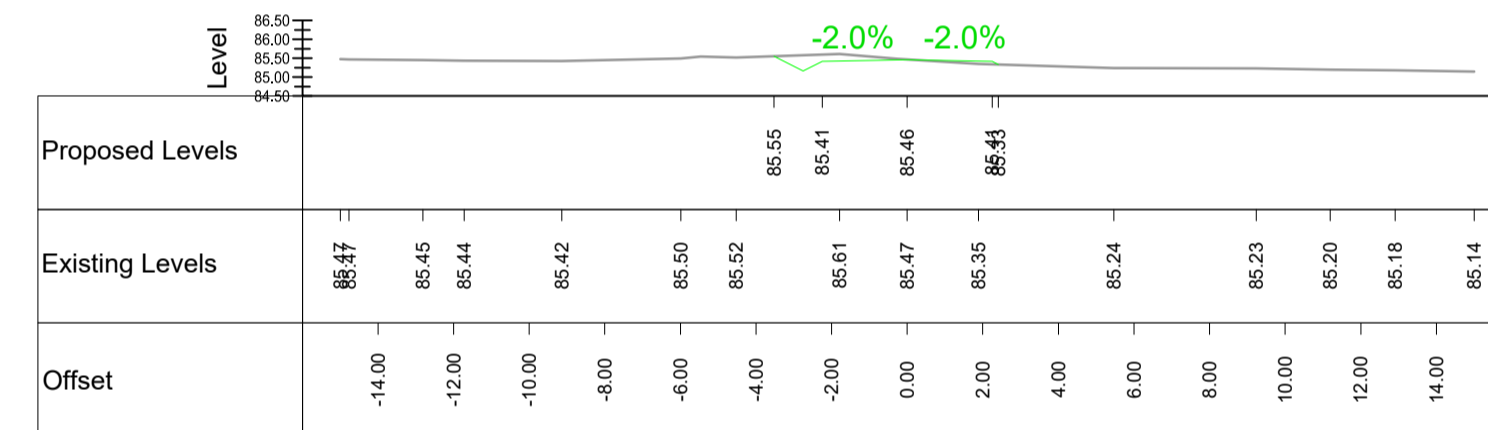
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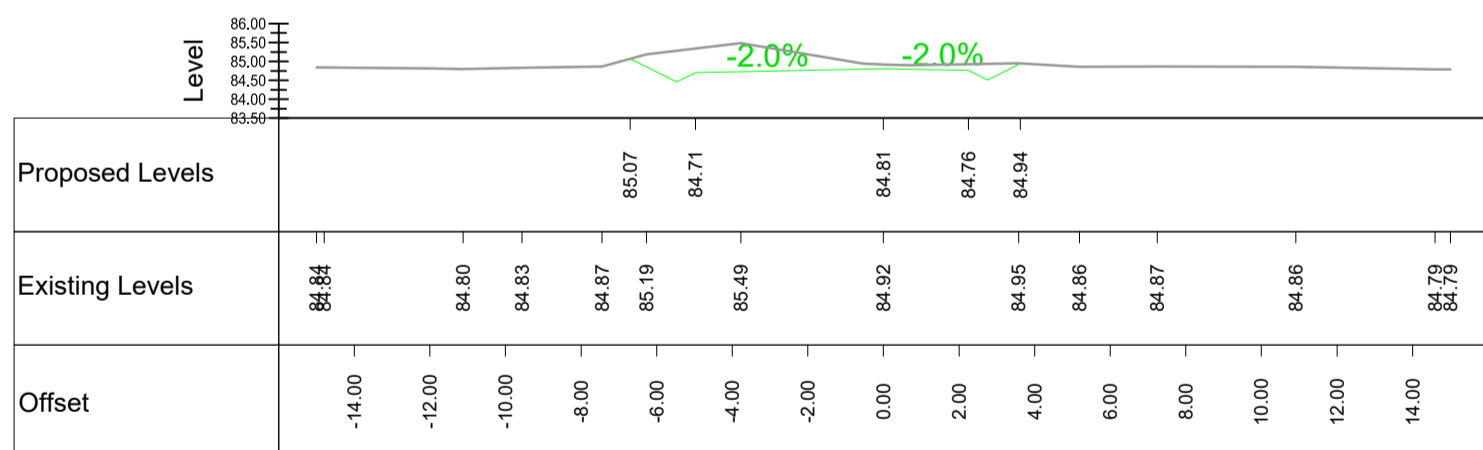
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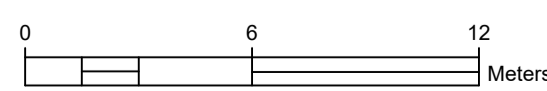
Chainage 20.000



Chainage 50.000



Chainage 30.000



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KEY:
 — Existing Levels
 — Proposed Levels

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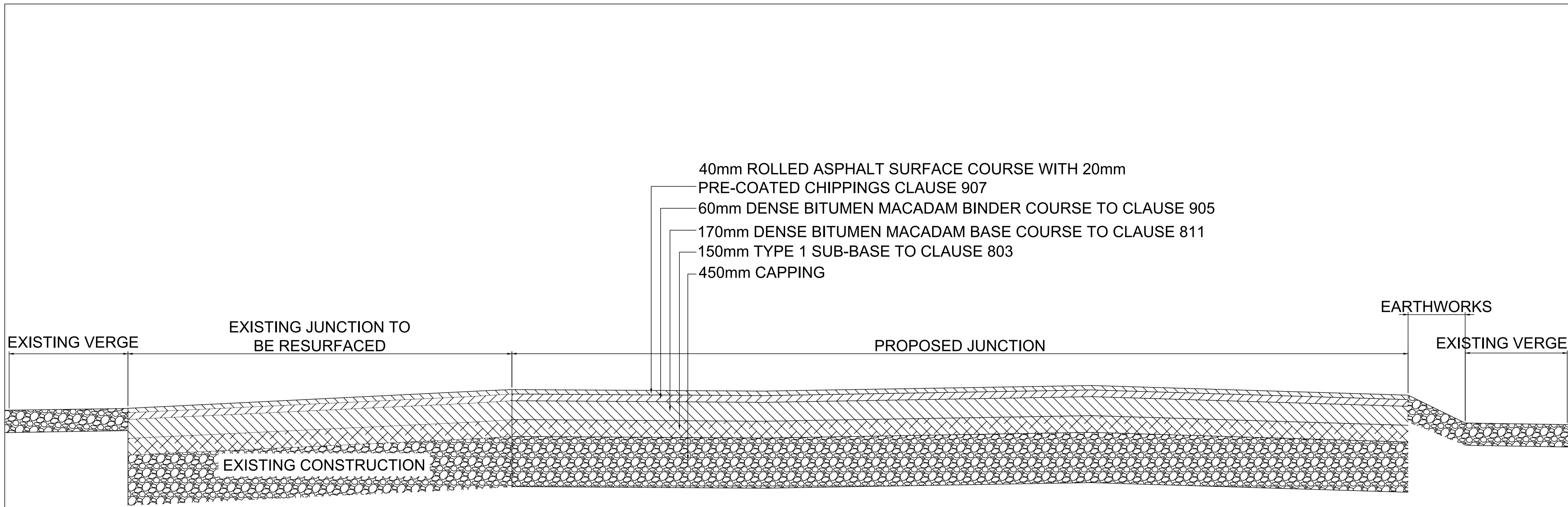
Client
ITPEnergised

Project
Oaklands Solar

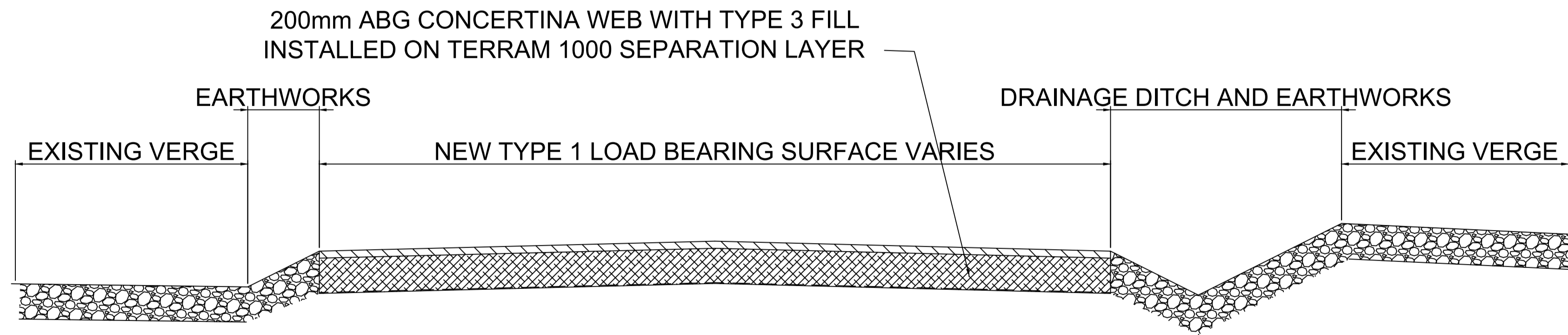
Drawing Title
**Southern Crossroads
 Northern Junction
 Cross Sections**

Name	Date	Scale
Designed	JS 01.02.2024	1:200 @ A1
Checked	SCM 01.02.2024	File 230720 Oaklands Southern Crossroad Design
		Drawing Status DRAFT

Drawing No. **SK03** Revision **1**



JUNCTION CONSTRUCTION DETAIL
CHAINAGE 10



TRACK CONSTRUCTION DETAIL

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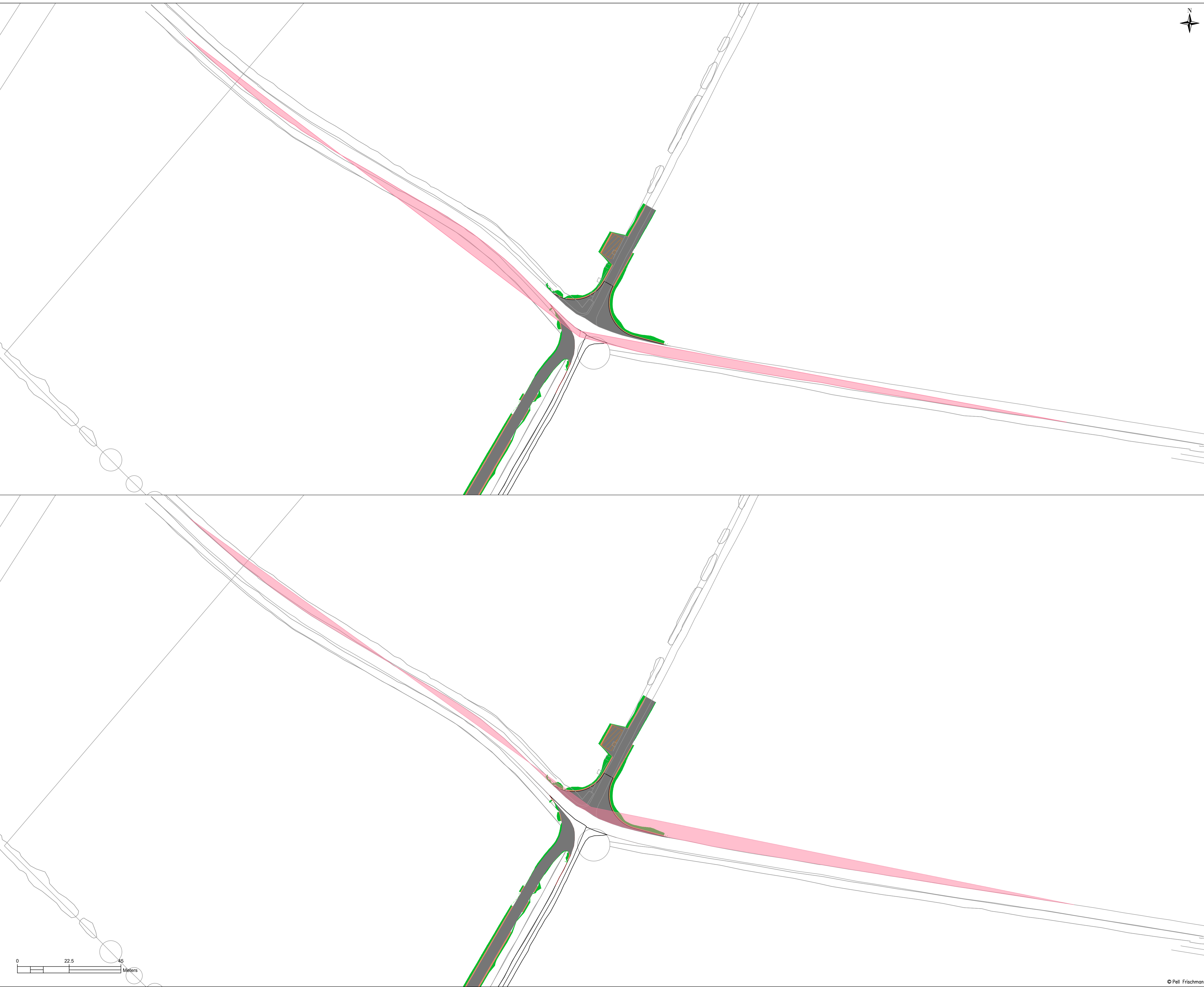
Client
ITP Energised

Project
Oaklands Solar

Drawing Title
**Southern Crossroads
Southern Junction
Detailed Cross Section**

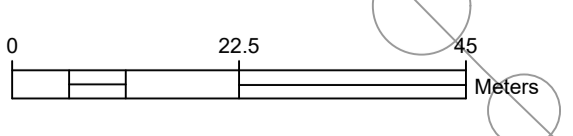
Name	Date	Scale
Designed	JS 01.02.2024	File 230720 Oaklands Southern Crossroad Design
Checked	SCM 01.02.2024	Drawing Status DRAFT

Drawing No.	Revision
SK05	1



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KEY:
 2.4m x 215m Visibility Splay



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Project
Oaklands Solar

Drawing Title
**Southern Crossroads
 Visibility Splays**

	Name	Date	Scale
Designed	JS	01.02.2024	1:750 @ A1
Checked	SCM	01.02.2024	File 230720 Oaklands Southern Crossroad Design
			Drawing Status DRAFT

Drawing No.	Revision
SK06	1