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# Plas Power Solar and Energy Storage Project

2.0.5 – 2.0.7 Proposed Site Accesses

February 2024

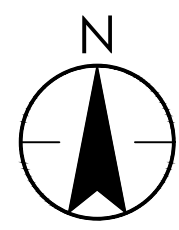
DNS Ref: DNS/3253253



## Schedule of plans included in this document

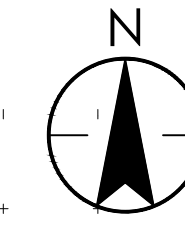
<b>Document Ref</b>	<b>Document Title</b>	<b>Drawing Reference</b>
<b>2.0.5</b>	<b>Southern Site Access - Access 1</b>	<b>330610724-SK-1200-001</b>
<b>2.0.6</b>	<b>Southern Site Access Cross Section – Access 1</b>	<b>330610724-SK-1200-005</b>
<b>2.0.7</b>	<b>Northern Site Access - Access 2</b>	<b>330610724-SK-1200-003</b>





# PROPOSED JUNCTION LAYOUT

1:500



Stantec UK Limited  
TAUNTON  
Lakeside House, Blackbrook Business Park, Blackbrook  
Park Avenue, Taunton TA1 2PX  
Tel: +44 1823 218 940  
www.stantec.com/uk

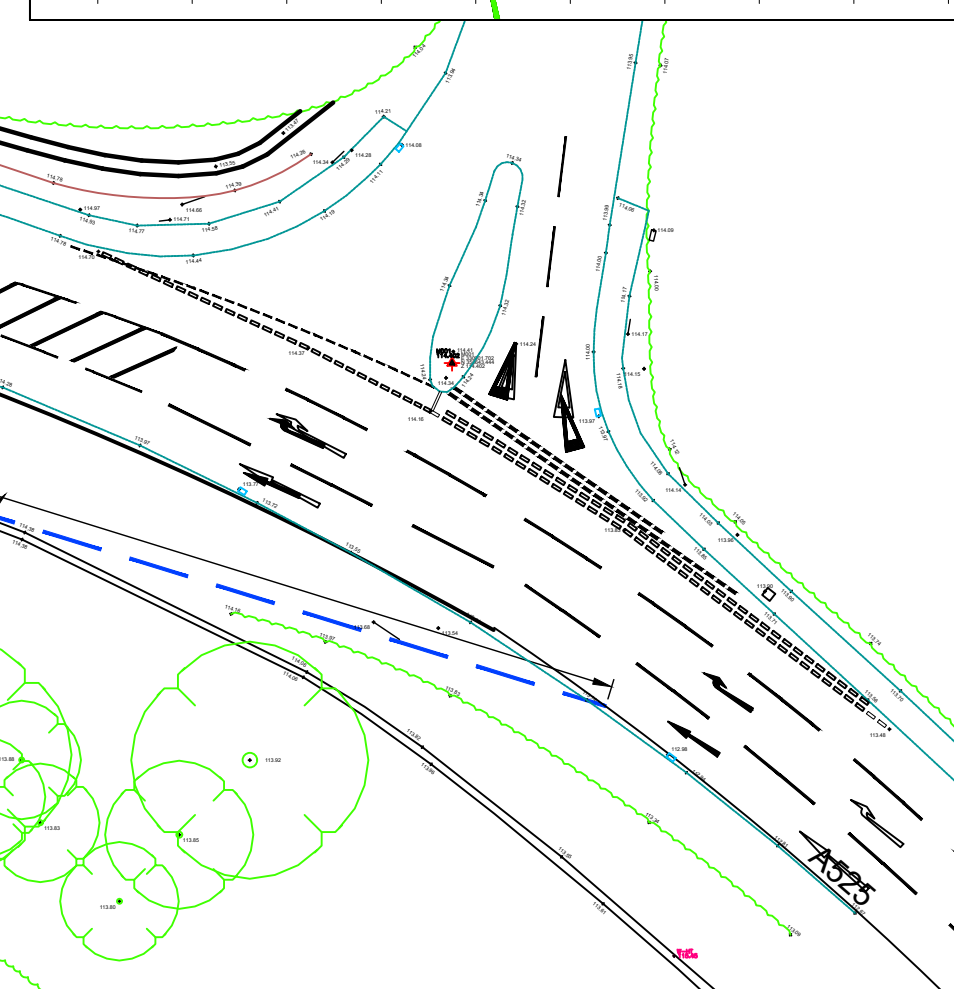
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Notes  
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- NOTES:
- SOUTHERN CONSTRUCTION ACCESS - SWEEP PATH ANALYSIS BASED ON 10mph/16kph SPEED.
  - SITE STOPPING DISTANCE (SSD) IS CALCULATED FROM THE AVERAGE DAILY 85TH PERCENTILE VEHICLE SPEED AND ASSUMES A 2 SECOND REACTION TIME AND DECELERATION RATE OF 0.375g.

## LOCATION PLAN

1:20000



Existing solid double white centre lines.

Absolute Minimum Visibility Splay determined from 85th percentile obtained from a speed survey undertaken for 2 weeks commencing 12th July 2023.

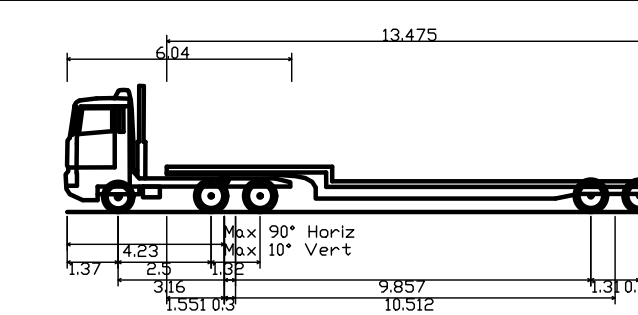
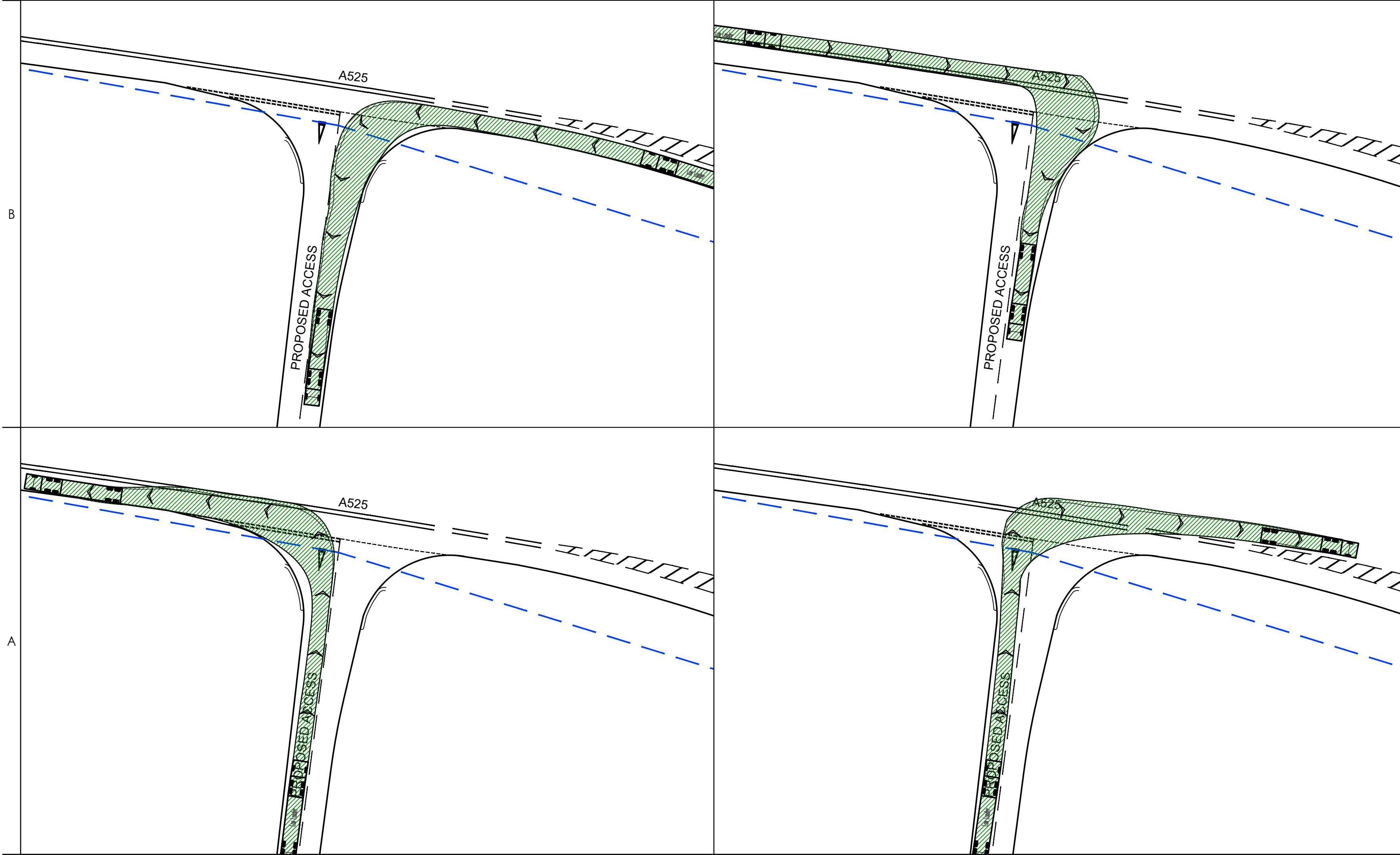
Approximately 25m of stone wall will be relocated along the proposed access road radii.

85th percentile eastbound speed = 45.52mph. This equates to 97m minimum SSD. 131m is achievable.

New permanent private access to development with 2.4m set back for visibility splay.

85th percentile westbound speed = 48.21mph. This equates to 106m minimum SSD. 122m is achievable.

## LOW LOADER VEHICLE SWEEP PATH ANALYSIS



Low Loader	16.154m
Overall Length	2.520m
Overall Width	3.393m
Overall Body Height	0.318m
Min Body Ground Clearance	2.500m
Max Track Width	6.00s
Lock to lock time	6.990m
Kerb to kerb Turning Radius	

KWM	MG	-	2024.02.04
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

**CONCEPT DESIGN**

This document is suitable only for the purpose noted above. Use of this document for any other purpose is not permitted.

Client/Project Logo

Client/Project  
**LIGHTSOURCE BP**

**PLAS POWER SOLAR DEVELOPMENT**

Title  
**SOUTHERN SITE ACCESS**

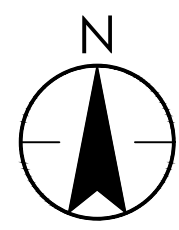
Project No.  
330610724

Scale  
AS SHOWN

Revision Drawing No.

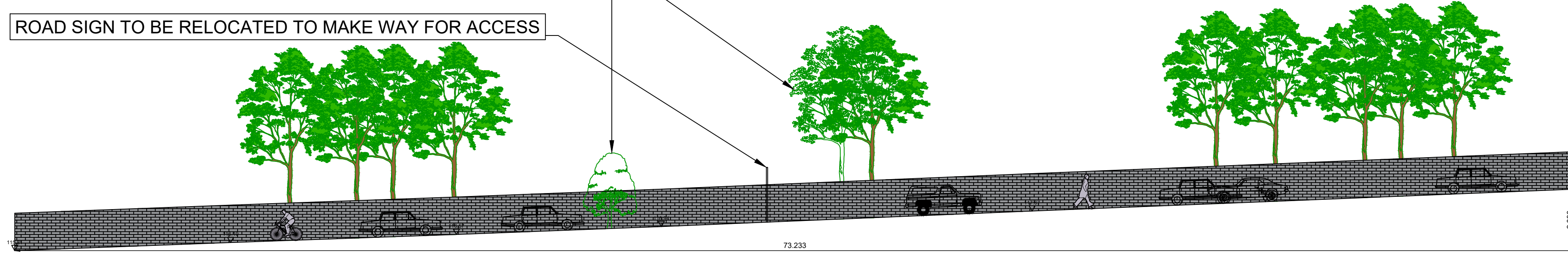
330610724-SK-1200-001





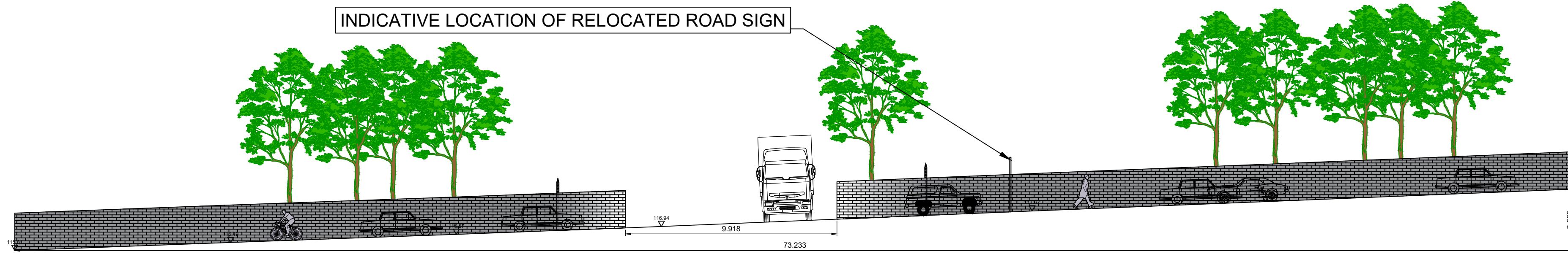
TREES TO BE REMOVED TO MAKE WAY FOR ACCESS

ROAD SIGN TO BE RELOCATED TO MAKE WAY FOR ACCESS

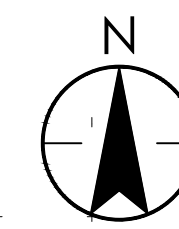


SECTION 1  
EXISTING  
1:150

INDICATIVE LOCATION OF RELOCATED ROAD SIGN



SECTION 1  
PROPOSED  
1:150



LOCATION PLAN

1:20000








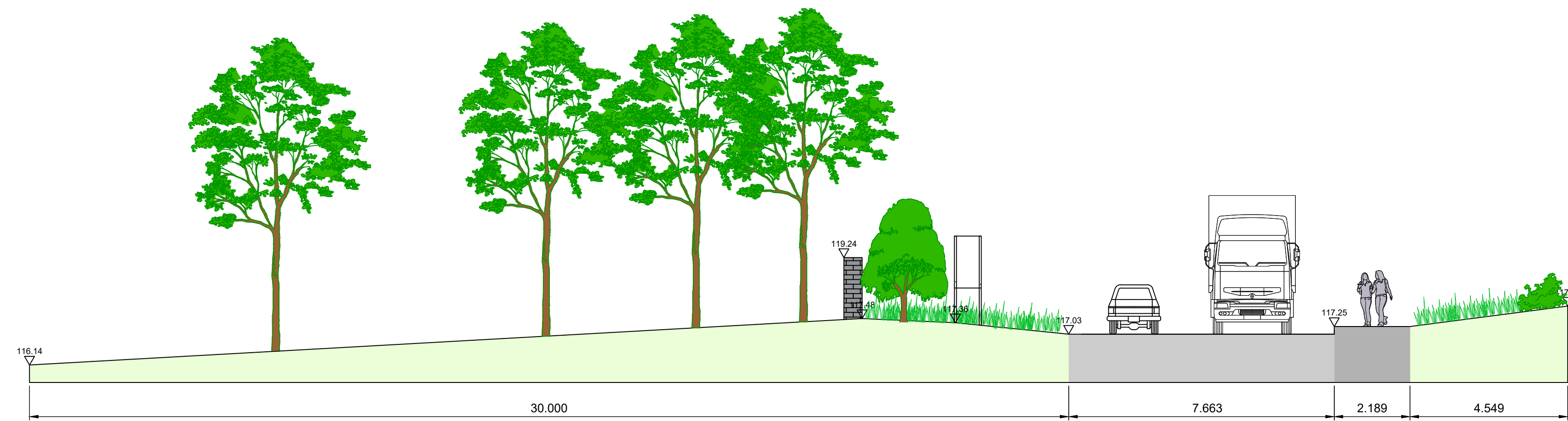
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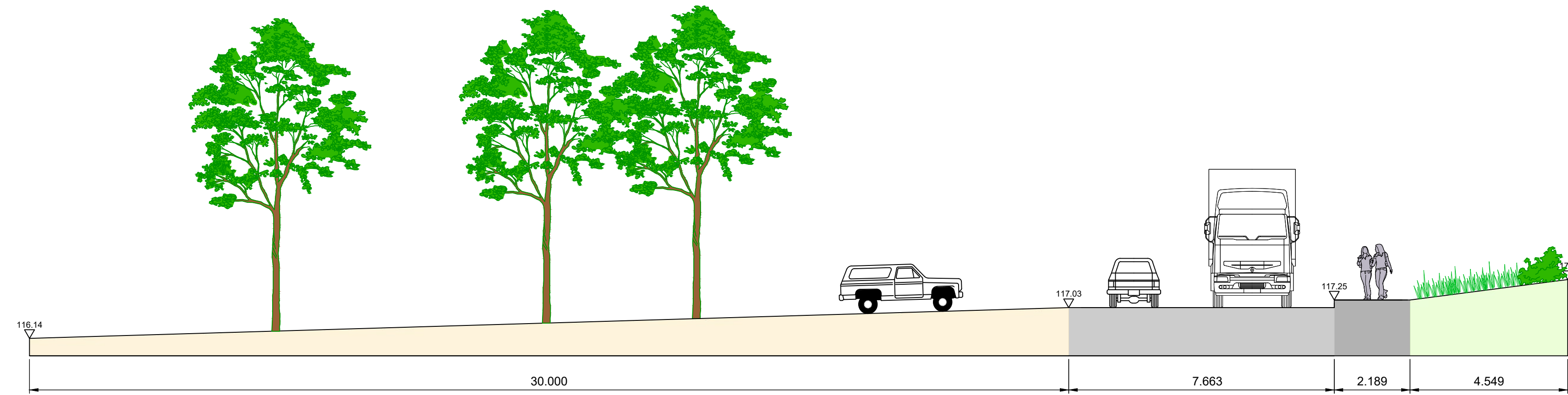
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KEY

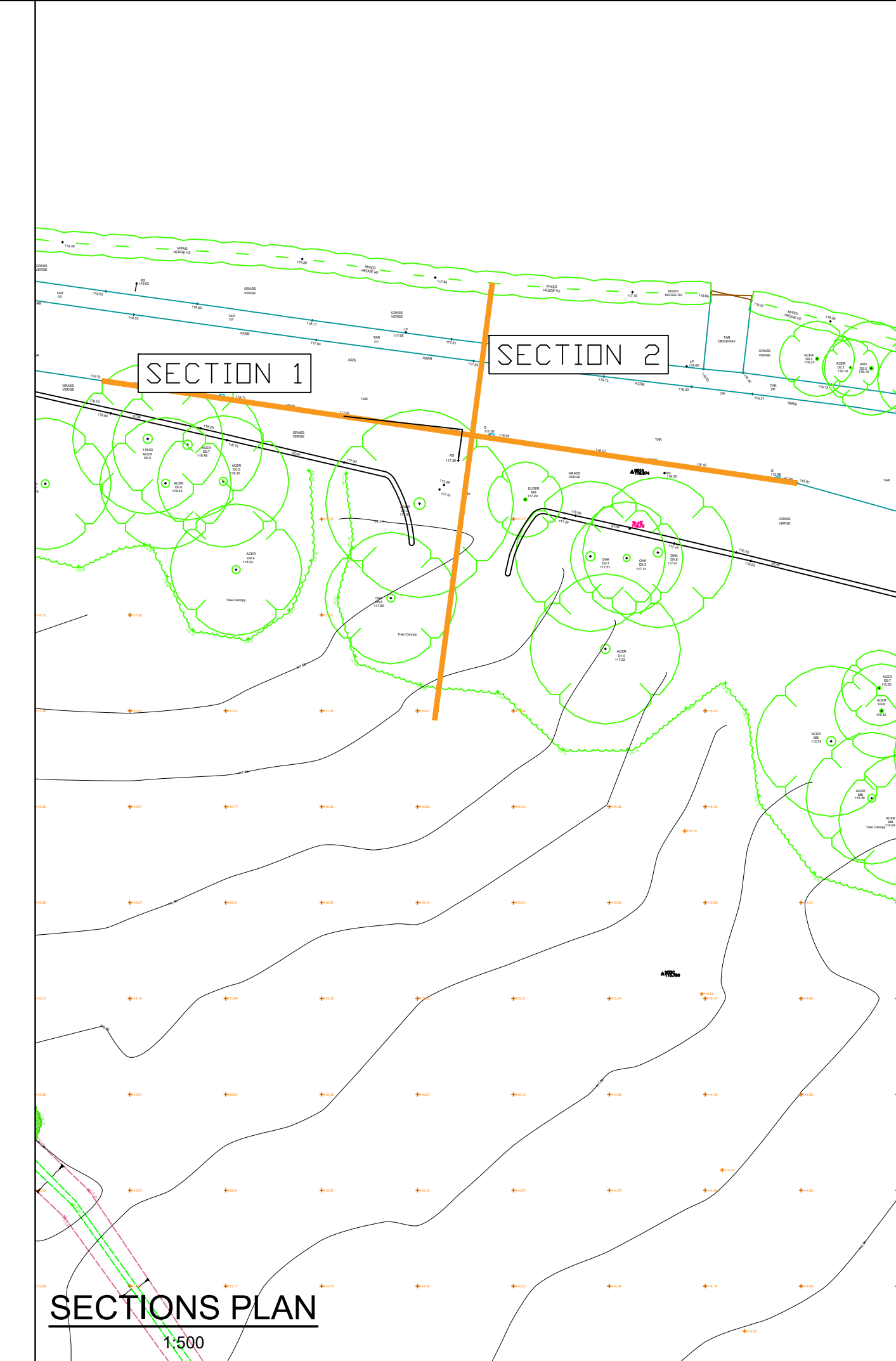
-  GRASS / VERGE
-  FOOTWAY
-  CARRIAGEWAY
-  STONE WALL
-  PROPOSED ACCESS ROAD



SECTION 2  
EXISTING  
1:100



SECTION 2  
PROPOSED  
1:100



SECTIONS PLAN  
1:500

WF	WD	TH	2023.10.10
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

CONCEPT DESIGN

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Client/Project Logo

Client/Project  
LIGHTSOURCE BP

PLAS POWER SOLAR DEVELOPMENT

Title  
SOUTHERN SITE ACCESS CROSS SECTION

Project No. 330610724	Scale AS SHOWN
Revision	Drawing No.

330610724-SK-1200-005

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