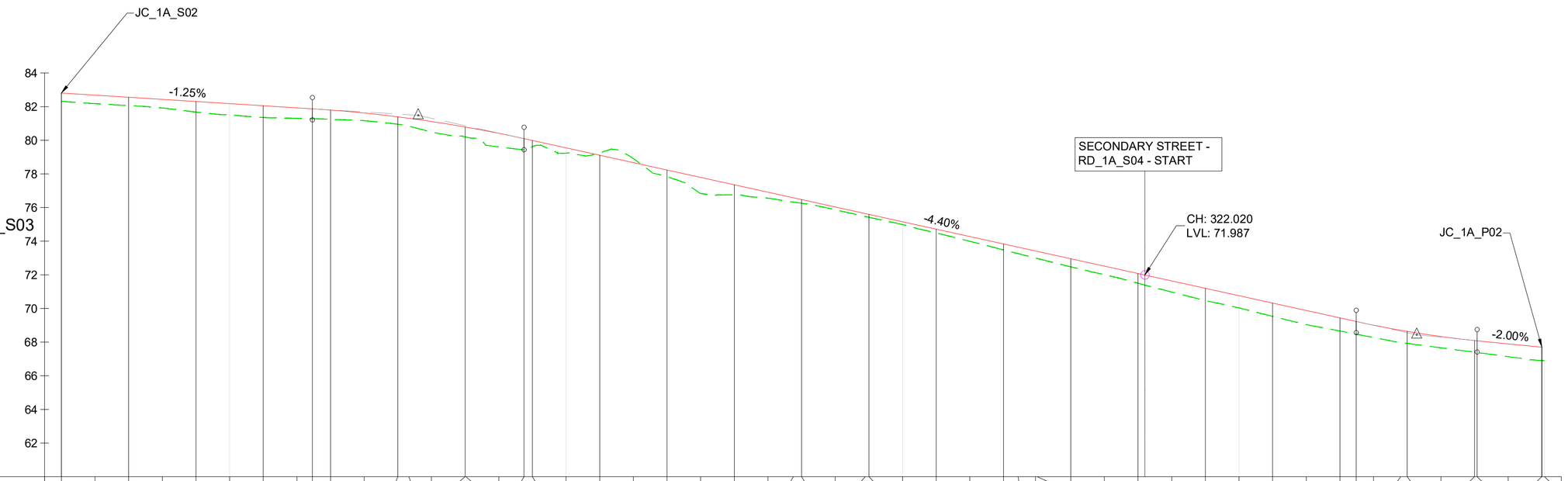
SECONDARY STREET - RD_1A_S03

SCALE: H 1:1000,V 1:200.
DATUM: 60.000

LONG-SECTION PRELIMINARY ONLY AND USED TO INFORM WIDER SITE LEVELS AND DRAINAGE STRATEGIES



CHAINAGE (m)	PROPOSED LEVELS (m)	EXISTING LEVELS (m)
0.00	82.805	82.305
10.00	82.680	82.179
20.00	82.555	82.061
30.00	82.430	81.917
40.00	82.305	81.674
50.00	82.180	81.500
60.00	82.055	81.353
70.00	81.930	81.306
74.59	81.873	81.246
80.00	81.798	81.164
90.00	81.621	80.952
100.00	81.394	80.845
103.26	81.309	80.491
110.00	81.117	80.203
120.00	80.790	80.195
120.21	80.783	79.600
130.00	80.413	79.616
137.50	80.097	79.234
140.00	79.988	79.244
150.00	79.548	78.909
160.00	79.108	77.826
170.00	78.669	76.845
180.00	78.229	76.758
190.00	77.790	76.556
200.00	77.350	76.325
210.00	76.911	76.259
217.58	76.577	75.869
220.00	76.471	75.463
230.00	76.032	75.419
238.98	75.637	74.987
240.00	75.592	74.487
250.00	75.153	73.994
260.00	74.713	73.481
270.00	74.274	73.260
280.00	73.834	73.000
284.36	73.643	72.974
289.49	73.417	72.473
290.00	73.395	72.015
300.00	72.955	71.502
310.00	72.516	70.978
320.00	72.076	70.468
330.00	71.636	70.032
340.00	71.197	69.530
350.00	70.757	69.044
360.00	70.318	68.660
370.00	69.878	68.273
380.00	69.439	67.972
384.84	69.226	67.922
390.00	69.008	67.662
398.10	68.702	67.399
400.00	68.636	67.138
410.00	68.331	66.904
420.00	68.093	66.895
420.77	68.077	
430.00	67.892	
440.00	67.692	
440.79		

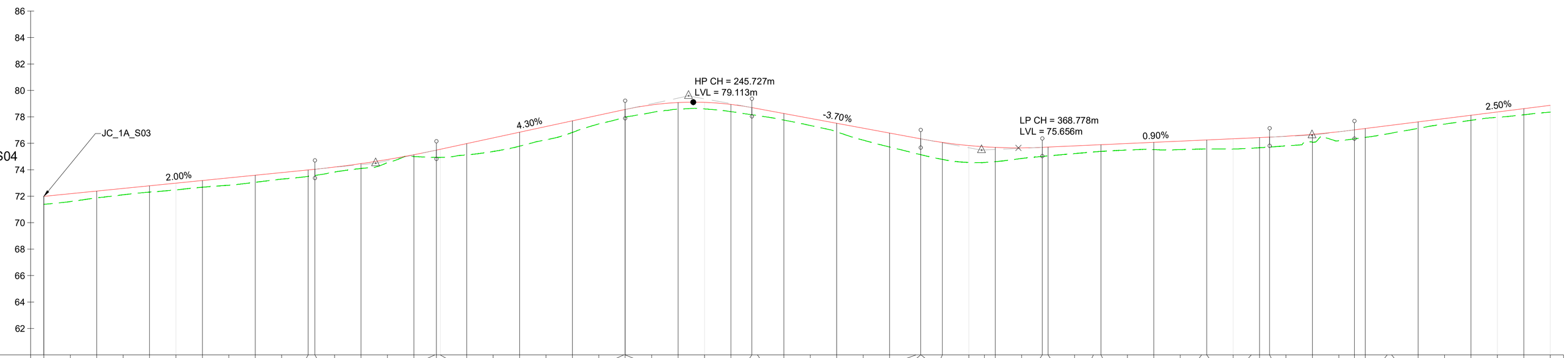
HORIZONTAL GEOMETRY (m): R=480.95 Lc=103.26; Lt=16.95; R=1000.00 Lc=97.38; Lt=21.39; R=300.00 Lc=45.38; Lt=5.13; R=190.00 Lc=108.61; Lt=42.69

VERTICAL GEOMETRY (m): G=-1.25% Lt=74.59; R=2000.00 K =20.00 Lc=62.91; G=-4.40% Lt=247.34; R=1500.00 K =15.00 Lc=35.92; G=-2.00% Lt=19.25

SECONDARY STREET - RD_1A_S04

SCALE: H 1:1000,V 1:200.
DATUM: 60.000

LONG-SECTION PRELIMINARY ONLY AND USED TO INFORM WIDER SITE LEVELS AND DRAINAGE STRATEGIES



CHAINAGE (m)	PROPOSED LEVELS (m)	EXISTING LEVELS (m)
0.00	71.987	71.391
10.00	72.187	71.595
20.00	72.387	71.878
30.00	72.587	72.109
40.00	72.787	72.311
50.00	72.988	72.480
60.00	73.188	72.681
70.00	73.388	72.831
80.00	73.588	73.055
90.00	73.788	73.293
100.00	73.988	73.498
102.54	74.039	73.828
110.00	74.202	74.098
120.00	74.464	74.530
130.00	74.777	74.999
140.00	75.139	74.936
147.92	75.462	74.934
148.51	75.487	75.125
150.00	75.551	75.385
160.00	75.981	75.785
170.00	76.411	76.267
180.00	76.841	76.826
190.00	77.271	77.470
200.00	77.701	77.937
210.00	78.131	77.968
219.42	78.536	78.329
219.93	78.558	78.584
220.00	78.561	78.604
230.00	78.906	78.397
240.00	79.085	78.099
250.00	79.097	77.758
260.00	78.943	77.349
267.92	78.702	76.871
270.00	78.625	76.244
280.00	78.255	75.724
290.00	77.886	75.231
300.00	77.516	75.136
310.00	77.146	74.785
320.00	76.776	74.551
330.00	76.406	74.552
331.79	76.340	74.616
331.94	76.335	74.854
340.00	76.070	75.049
350.00	75.832	75.225
355.89	75.739	75.345
360.00	75.694	75.388
370.00	75.657	75.492
377.78	75.696	75.526
380.00	75.716	75.526
390.00	75.806	75.568
397.13	75.871	75.572
400.00	75.896	75.567
410.00	75.986	75.629
420.00	76.076	75.666
430.00	76.166	75.811
438.08	76.239	76.084
440.00	76.256	76.197
450.00	76.346	76.451
456.86	76.408	76.711
460.00	76.436	76.774
463.82	76.471	77.133
470.00	76.536	77.455
480.00	76.682	77.740
490.00	76.878	77.966
495.91	77.017	78.160
500.00	77.120	78.358
508.28	77.327	
510.00	77.370	
520.00	77.621	
530.00	77.871	
540.00	78.121	
550.00	78.372	
560.00	78.622	
570.00	78.873	

HORIZONTAL GEOMETRY (m): Lt=147.92; R=54.00 Lc=71.50; Lt=112.52; R=16.00 Lc=23.95; Lt=41.24; R=50.00 Lc=40.96; Lt=18.78; R=50.00 Lc=51.42; Lt=85.21

VERTICAL GEOMETRY (m): G=2.00% Lt=102.54; R=2000.00 K =20.00 Lc=45.97; G=4.30% Lt=71.42; R=600.00 K =6.00 Lc=47.99; G=-3.70% Lt=63.88; R=1000.00 K =10.00 Lc=45.98; G=0.90% Lt=86.04; R=2000.00 K =20.00 Lc=32.09; G=2.50% Lt=109.61

CONTINUATION TO REFER- 10051123-ARC-071-1A-DR-CE-00004

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
3. REFER TO GENERAL ARRANGEMENT DRAWING NUMBER 10051123-ARC-070-1A-DR-CE-00001 to 00016.

LEGEND:

	PROFILES EXTENSIONS
CH	CHAINAGE
Lt	LENGTH OF TANGENT
Lc	LENGTH OF CURVE
R	RADIUS
K	HORIZONTAL DISTANCE REQUIRED TO EFFECT A 1% CHANGE IN GRADIENT
G	GRADIENT
LVL	LEVEL
PVI	POINT OF VERTICAL INTERSECTION
HP	HIGH POINT
LP	LOW POINT
	TANGENT POINTS

Rev	Date	Description	Prod.	Chk.	Rev.	App.
P01	26/09/23	FIRST ISSUE	KS	CH	TF	SD
P02	30/10/23	REVISED IN LINE WITH COMMENTS	BP	CB	TF	SD
P03	07/08/24	ADDRESSING CLIENT COMMENTS	SP	CB	TF	SD
P04	12/05/25	PLANNING ISSUE	DH	CH	SD	SD

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Drawing Title:
WEST OF IFIELD
PHASE 1A HIGHWAY
CARRIAGEWAY LONG SECTIONS
SHEET 3 OF 4

Designed: D.Hillier	Signed: Digitally Signed	Date: 09/05/25
Produced: D.Hillier	Signed: Digitally Signed	Date: 09/05/25
Checked: C.Higgins	Signed: Digitally Signed	Date: 12/05/25
Reviewed: S.Davies	Signed: Digitally Signed	Date: 12/05/25
Approved: S.Davies	Signed: Digitally Signed	Date: 12/05/25
Design Stage: Detailed Design		
Original Size: A1	Grid: OS	Datum: ODN
Suitability Code: S5	Scale: AS SHOWN	Project Number: 10051123
Suitability Description: Suitable for Review and Acceptance		

Drawing Number: 10051123-ARC-071-1A-DR-CE-00003
Revision: P04