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LEGEND

BOUNDARY

EXISTING SERVICES
OVERHEAD POWER — OH — OH
11kV CABLE — 11kV — 11kV
LOW VOLTAGE POWER — P — P
FIBRE OPTIC — FO — FO
CHORUS — T — T
WATER MAIN — W — W
STORMWATER — SW — SW
SEWER — S — S
STOCK WATER RACE — WR — WR

PROPOSED DESIGN
SH 1 ROUTE POSTION ALIGMENT
PROPOSED ROAD ALIGNMENT
LIGHTING COLUMN
KERB BREAK
STORMWATER MANHOLE
SCRUFFY DOME
STORMWATER CATCHPIT
STORMWATER PIPE — SW — SW
SWALE
KERB
SEAL EDGE
BACK OF VERGE
GROUND INTERFACE
SIGNS
PROPOSED TREE
GRASS / GARDEN BED BARK MULCH

RUNNERS ROAD

MAIN SOUTH LINE

SH 1 EASTBOUND ALIGNMENT

NIB KERB

SM2

EXTENT OF WORKS

STATE HIGHWAY 1

JOIN LINE - REFER TO SHEET 2

EXISTING STATE HIGHWAY
ROUTE STATION ALIGNMENT

1
1501

RP-01S-0365/5+800
RP-01S-0365/5+700
380
375
350
325
RP-01S-0365/5+600
300
275
250
225
RP-01S-0365/5+500
200

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
A	FOR INFORMATION	JC	MH	BC	28.05.24
B	50% GEOMETRIC DESIGN	R.A	QD	B.C	04.07.24
C	FOR PRELIMINARY SAFE SYSTEM AUDIT	VR	QD	DA	11.10.24

Original Scale (A1) 1:500	Design	Q.DETTLING	28.03.24	Approved For Construction*
	Drawn	R.ANDERSON	28.03.24	
Reduced Scale (A3) 1:1000	Dsg Verifier		
	Drg Check		
		Date	
	* Refer to Revision 1 for Original Signature		

Beca

Client:
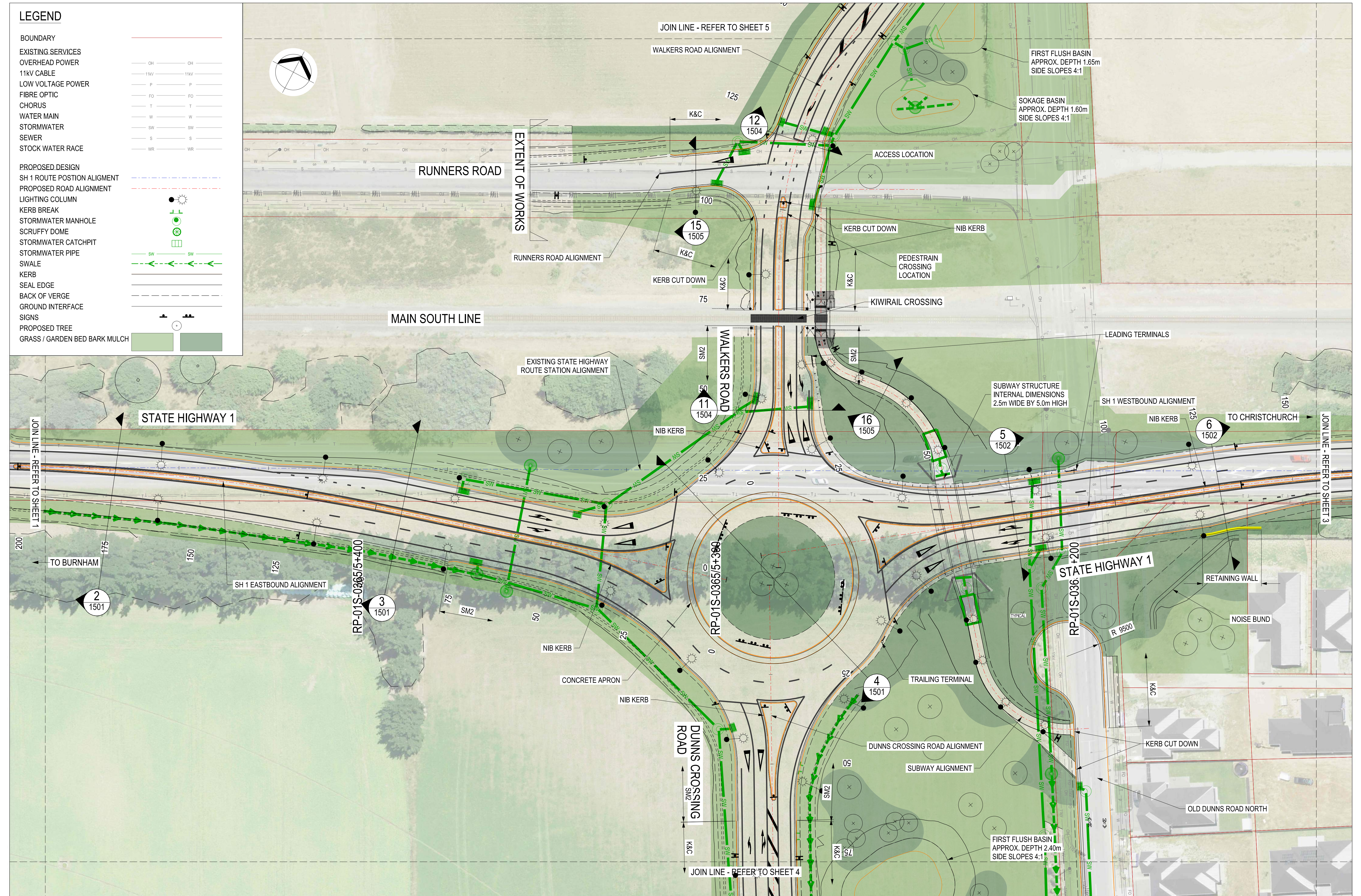**NZ TRANSPORT AGENCY WAKA KOTAHI**

Project:
**SH1 ROLLESTON
ACCESS IMPROVEMENTS
PACKAGE 1**

Title:
**GENERAL ARRANGEMENT
SHEET 1 OF 5**

Discipline
CIVIL ENGINEERING

Drawing No.
3338703-10-CA-1201

Rev.
C

Document No. $FILE$

DO NOT SCALE FOR SET OUT DIMENSIONS

DO NOT SCALE

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LEGEND

BOUNDARY

EXISTING SERVICES
OVERHEAD POWER — OH — OH
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FIBRE OPTIC — FO — FO
CHORUS — T — T
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STORMWATER — SW — SW
SEWER — S — S
STOCK WATER RACE — WR — WR

PROPOSED DESIGN
SH 1 ROUTE POSITION ALIGMENT
PROPOSED ROAD ALIGNMENT
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STORMWATER PIPE — SW — SW
SWALE
KERB
SEAL EDGE
BACK OF VERGE
GROUND INTERFACE
SIGNS
PROPOSED TREE
GRASS / GARDEN BED BARK MULCH

JOIN LINE - REFER TO SHEET 5

WALKERS ROAD ALIGNMENT

125

K&C

12
1504

FIRST FLUSH BASIN
APPROX. DEPTH 1.65m
SIDE SLOPES 4:1

SOKAGE BASIN
APPROX. DEPTH 1.60m
SIDE SLOPES 4:1

ACCESS LOCATION

RUNNERS ROAD

100

15
1505

KERB CUT DOWN

NIB KERB

RUNNERS ROAD ALIGNMENT

K&C

PEDESTRAIN
CROSSING
LOCATION

KERB CUT DOWN

K&C

75

MAIN SOUTH LINE

KIWIRAIL CROSSING

EXTENT OF WORKS

LEADING TERMINALS

SM2

WALKERS ROAD

SM2

EXISTING STATE HIGHWAY
ROUTE STATION ALIGNMENT

SUBWAY STRUCTURE
INTERNAL DIMENSIONS
2.5m WIDE BY 5.0m HIGH

SH 1 WESTBOUND ALIGNMENT

50

11
1504

16
1505

NIB KERB

5
1502

NIB KERB

6
1502

TO CHRISTCHURCH

150

JOIN LINE - REFER TO SHEET 3

STATE HIGHWAY 1

NIB KERB

JOIN LINE - REFER TO SHEET 1

200

175

150

125

TO BURNHAM

SH 1 EASTBOUND ALIGNMENT

RP-01S-0365/5+400

3
1501

2
1501

75

SM2

50

25

25

STATE HIGHWAY 1

R 9500

RP-01S-036+200

RETAINING WALL

NOISE BUND

NIB KERB

CONCRETE APRON

NIB KERB

4
1501

TRAILING TERMINAL

DUNNS CROSSING ROAD ALIGNMENT

SUBWAY ALIGNMENT

KERB CUT DOWN

K&C

DUNNS CROSSING ROAD

SM2

SM2

K&C

OLD DUNNS ROAD NORTH

FIRST FLUSH BASIN
APPROX. DEPTH 2.40m
SIDE SLOPES 4:1

JOIN LINE - REFER TO SHEET 4

PRELIMINARY
NOT FOR CONSTRUCTION

A	FOR INFORMATION	JC	MH	BC	28.05.24	
B	50% GEOMETRIC DESIGN	R.A	QD	B.C	04.07.24	
C	FOR PRELIMINARY SAFE SYSTEM AUDIT	VR	QD	DA	11.10.24	
No.	Revision	By	Chk	Appd	Date	

Original Scale (A1) 1:500
Reduced Scale (A3) 1:1000

Design	Q.DETTLING	28.03.24
Drawn	R.ANDERSON	28.03.24
Dsg Verifier		
Drc Check		

Approved For Construction*
* Refer to Revision 1 for Original Signature

Beca

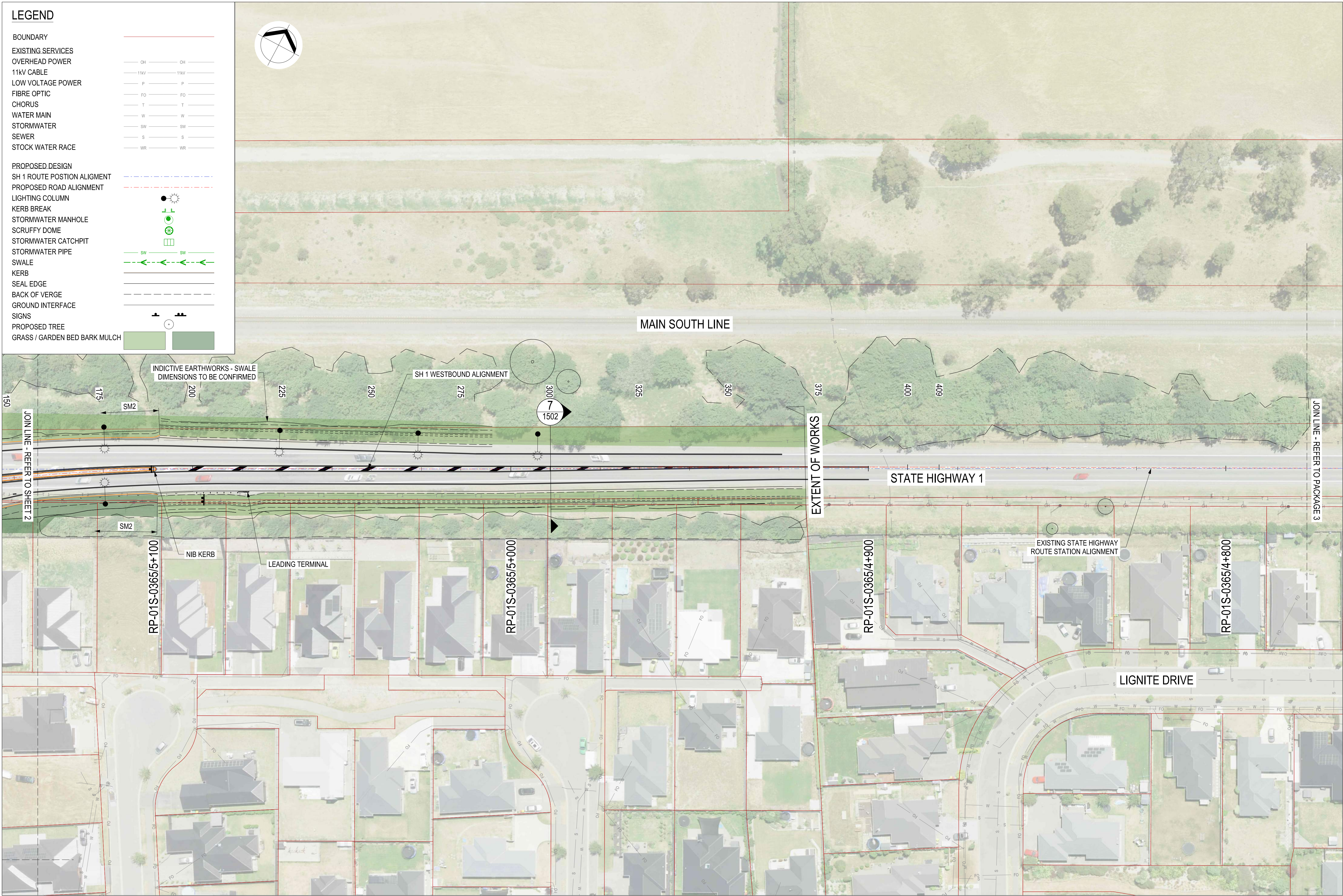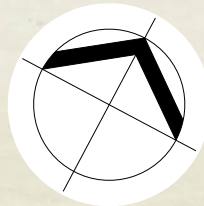**Client:** NZ TRANSPORT AGENCY WAKA KOTAHI

Project: SH1 ROLLESTON ACCESS IMPROVEMENTS PACKAGE 1

Title: GENERAL ARRANGEMENT SHEET 2 OF 5

Discipline: CIVIL ENGINEERING

Drawing No. 3338703-10-CA-1202 **Rev.** C

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LEGEND

BOUNDARY

EXISTING SERVICES
OVERHEAD POWER — OH — OH
11kV CABLE — 11kV — 11kV
LOW VOLTAGE POWER — P — P
FIBRE OPTIC — FO — FO
CHORUS — T — T
WATER MAIN — W — W
STORMWATER — SW — SW
SEWER — S — S
STOCK WATER RACE — WR — WR

PROPOSED DESIGN
SH 1 ROUTE POSTION ALIGMENT
PROPOSED ROAD ALIGNMENT
LIGHTING COLUMN
KERB BREAK
STORMWATER MANHOLE
SCRUFFY DOME
STORMWATER CATCHPIT
STORMWATER PIPE — SW — SW
SWALE
KERB
SEAL EDGE
BACK OF VERGE
GROUND INTERFACE
SIGNS
PROPOSED TREE
GRASS / GARDEN BED BARK MULCH

MAIN SOUTH LINE

INDICTIVE EARTHWORKS - SWALE
DIMENSIONS TO BE CONFIRMED

SH 1 WESTBOUND ALIGNMENT

7
1502

EXTENT OF WORKS

STATE HIGHWAY 1

EXISTING STATE HIGHWAY
ROUTE STATION ALIGNMENT

JOIN LINE - REFER TO SHEET 2

JOIN LINE - REFER TO PACKAGE 3

SM2

NIB KERB

LEADING TERMINAL

RP-01S-0365/5+100

RP-01S-0365/5+000

RP-01S-0365/4+900

RP-01S-0365/4+800

LIGNITE DRIVE

150   175   200   225   250   275   300   325   350   375   400   409

SM2

PRELIMINARY
NOT FOR CONSTRUCTION

A	FOR INFORMATION	JC	MH	BC	28.05.24
B	50% GEOMETRIC DESIGN	R.A	QD	B.C	04.07.24
C	FOR PRELIMINARY SAFE SYSTEM AUDIT	VR	QD	DA	11.10.24
No.	Revision	By	Chk	Appd	Date

Original Scale (A1) 1:500
Reduced Scale (A3) 1:1000

Design	Q.DETTLING	28.03.24
Drawn	R.ANDERSON	28.03.24
Dsg Verifier		
Dsg Check		

Approved For Construction*

Date

* Refer to Revision 1 for Original Signature

Beca

Client: **NZ TRANSPORT AGENCY WAKA KOTAHI**

Project: **SH1 ROLLESTON ACCESS IMPROVEMENTS PACKAGE 1**

Title: **GENERAL ARRANGEMENT SHEET 3 OF 5**

Discipline: **CIVIL ENGINEERING**

Drawing No. **3338703-10-CA-1203** Rev. **C**

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LEGEND

BOUNDARY

EXISTING SERVICES
OVERHEAD POWER ———— OH ———— OH ————
11kV CABLE ———— 11kV ———— 11kV ————
LOW VOLTAGE POWER ———— P ———— P ————
FIBRE OPTIC ———— FO ———— FO ————
CHORUS ———— T ———— T ————
WATER MAIN ———— W ———— W ————
STORMWATER ———— SW ———— SW ————
SEWER ———— S ———— S ————
STOCK WATER RACE ———— WR ———— WR ————

PROPOSED DESIGN
SH 1 ROUTE POSTION ALIGMENT
PROPOSED ROAD ALIGNMENT
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SCRUFFY DOME
STORMWATER CATCHPIT
STORMWATER PIPE ———— SW ———— SW ————
SWALE
KERB
SEAL EDGE
BACK OF VERGE
GROUND INTERFACE
SIGNS
PROPOSED TREE
GRASS / GARDEN BED BARK MULCH

JOIN LINE - REFER TO SHEET 2

FIRST FLUSH BASIN
APPROX. DEPTH 2.40M
SIDE SLOPES 4:1

OLD DUNNS ROAD NORTH

SOKAGE BASIN
APPROX. DEPTH 2.00m
SIDE SLOPES 4:1

GREEN WAY

DUNNS CROSSING ROAD ALIGNMENT

8
1503

10
1503

KERB CUT DOWN

EXTENT OF WORKS

NEWMAN ROAD

VEHICLE TURN PAD
OLD DUNNS ROAD SOUTH

WIDEN EXISTING FOOTPATH TO 3.0M
TO CREATE A SHARED PATH

DUNNS CROSSING ROAD

9
1503

TIE INTO EXISTING KERB LINE

EXTENT OF WORKS

EXTENT OF WORKS

No.	Revision	By	Chk	Appd	Date
A	FOR INFORMATION	JC	MH	BC	28.05.24
B	50% GEOMETRIC DESIGN	R.A	QD	B.C	04.07.24
C	FOR PRELIMINARY SAFE SYSTEM AUDIT	VR	QD	DA	11.10.24

Original Scale (A1) 1:500
Reduced Scale (A3) 1:1000

Design	Q.DETTLING	28.03.24
Drawn	R.ANDERSON	28.03.24
Dsg Verifier		
Drg Check		

Approved For Construction*

* Refer to Revision 1 for Original Signature

Date

Beca

Client: **NZ TRANSPORT AGENCY WAKA KOTAHI**

Project: **SH1 ROLLESTON ACCESS IMPROVEMENTS PACKAGE 1**

Title: **GENERAL ARRANGEMENT SHEET 4 OF 5**

Discipline **CIVIL ENGINEERING**

Drawing No. **3338703-10-CA-1204**

Rev. **C**

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LEGEND

BOUNDARY

EXISTING SERVICES
OVERHEAD POWER — OH — OH
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LOW VOLTAGE POWER — P — P
FIBRE OPTIC — FO — FO
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WATER MAIN — W — W
STORMWATER — SW — SW
SEWER — S — S
STOCK WATER RACE — WR — WR

PROPOSED DESIGN
SH 1 ROUTE POSTION ALIGMENT
PROPOSED ROAD ALIGNMENT
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STORMWATER MANHOLE
SCRUFFY DOME
STORMWATER CATCHPIT
STORMWATER PIPE — SW — SW
SWALE
KERB
SEAL EDGE
BACK OF VERGE
GROUND INTERFACE
SIGNS
PROPOSED TREE
GRASS / GARDEN BED BARK MULCH

383
375
350
325
300
275
250
225
200
175
150

14
1504

13
1504

WALKERS ROAD ALIGNMENT

EXTENT OF WORKS

WALKERS ROAD

K&C

FIRST FLUSH BASIN
APPROX. DEPTH 1.65m
SIDE SLOPES 4:1

JOIN LINE - REFER TO SHEET 2

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
A	FOR INFORMATION	JC	MH	BC	28.05.24
B	50% GEOMETRIC DESIGN	R.A	QD	B.C	04.07.24
C	FOR PRELIMINARY SAFE SYSTEM AUDIT	VR	QD	DA	11.10.24

| Original Scale (A1) | 1:500 |
| Reduced Scale (A3) | 1:1000 |

Design	Q.DETTLING	28.03.24
Drawn	R.ANDERSON	28.03.24
Dsg Verifier		
Drg Check		

Approved For Construction*

Date

* Refer to Revision 1 for Original Signature

Beca

Client: **NZ TRANSPORT AGENCY WAKA KOTAHI**

Project: **SH1 ROLLESTON ACCESS IMPROVEMENTS PACKAGE 1**

Title: **GENERAL ARRANGEMENT SHEET 5 OF 5**

Discipline: **CIVIL ENGINEERING**

Drawing No. **3338703-10-CA-1205**

Rev. **C**

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