

LEGEND:

- EXISTING STREAM / CHANNEL
- EXISTING STREAM TO BE REMOVED
- NEW STATE HIGHWAY CHANNEL DRAIN
- ENVIRONMENTAL SWALE
- EXISTING CULVERT
- NEW CULVERT (HEADWALLS SHOWN)
- DESIGNATION BOUNDARY

REV	DESCRIPTION	DATE	APP	CHK	DRN
B	ISSUED FOR CONSENT	11/15	PP	JP	PJC
A	PRELIMINARY	06/15			PJC

SURVEYED	LIDAR & Aerial Photos	04/14
DESIGNED	Nick Keenan	06/15
DRAWN	Phillip Cook	06/15
CAD REVIEW		
DESIGN CHECK		
DESIGN REVIEW		
APPROVED		
PROF REGISTRATION:		



Client:

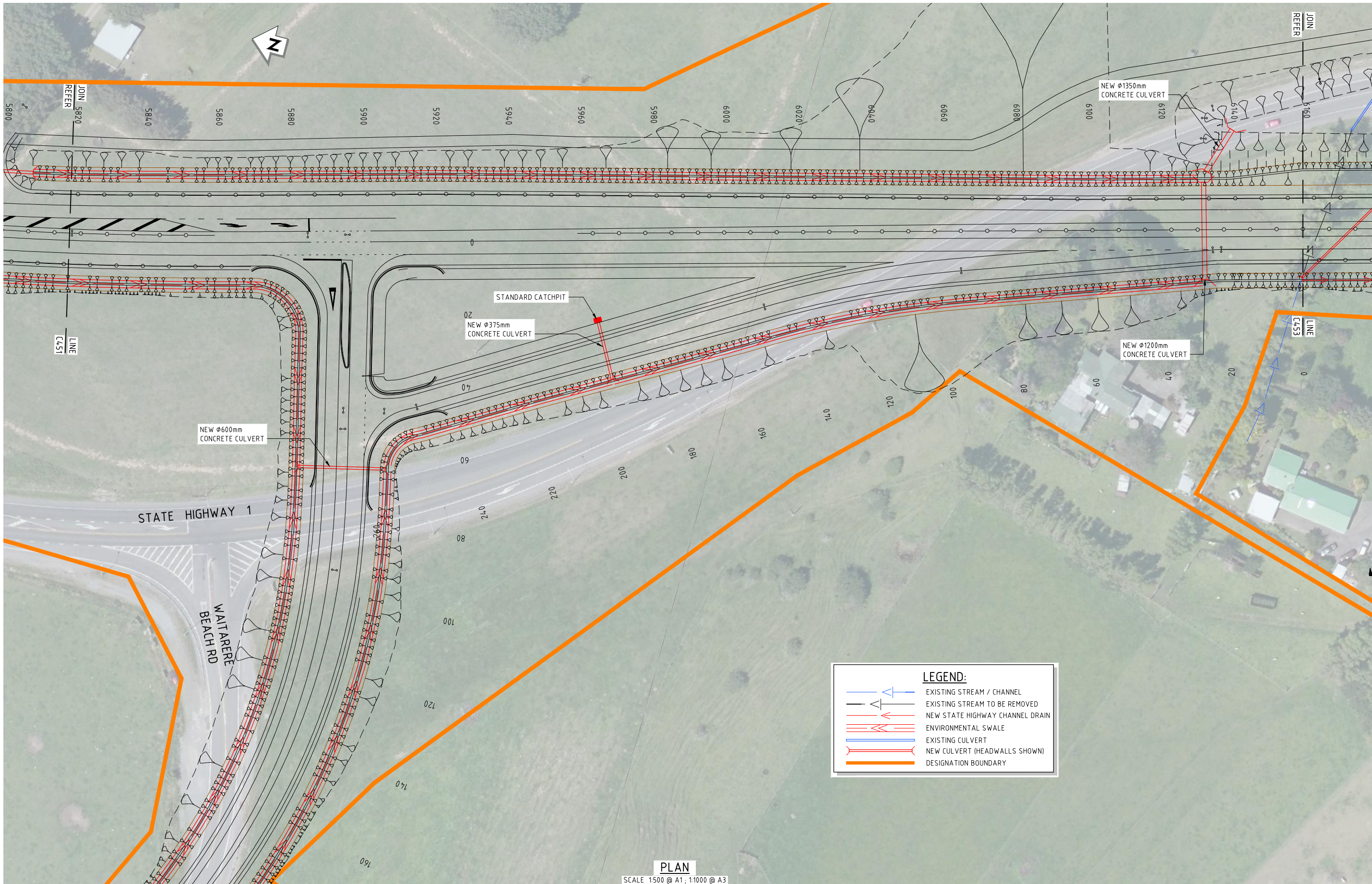
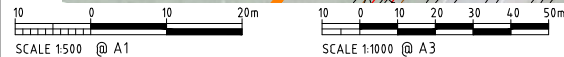
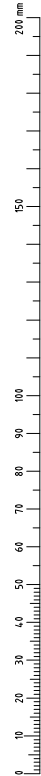
WAITARERE BEACH ROAD CURVES PROJECT

DRAINAGE LAYOUT PLAN

Status Stamp	FOR CONSENT
Date Stamp	12/11/2015
Scales	1:500 @ A1, 1:1000 @ A3
Drawing No.	80500902-04-0853-C451
Rev	B

ORIGINAL SIZE A1

200 mm DO NOT SCALE - IF IN DOUBT, ASK



LEGEND:

- EXISTING STREAM / CHANNEL
- EXISTING STREAM TO BE REMOVED
- NEW STATE HIGHWAY CHANNEL DRAIN
- ENVIRONMENTAL SWALE
- EXISTING CULVERT
- NEW CULVERT (HEADWALLS SHOWN)
- DESIGNATION BOUNDARY

PLAN

SCALE 1:500 @ A1; 1:1000 @ A3

NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	APP	CHK	DRN
B	ISSUED FOR CONSENT	11/15	PP	JP	PJC
A	PRELIMINARY	06/15			PJC

SURVEYED	LIDAR & Aerial Photos	04/14
DESIGNED	Nick Keenan	06/15
DRAWN	Phillip Cook	06/15
CAD REVIEW		
DESIGN CHECK		
APPROVED		
PROF REGISTRATION		



WAITARERE BEACH ROAD
CURVES PROJECT
DRAINAGE LAYOUT PLAN

Status Stamp	FOR CONSENT
Date Stamp	12/11/2015
Scales	1:500 @ A1, 1:1000 @ A3
Drawing No.	80500902-04-0853-C452
Rev.	B

DO NOT SCALE - IF IN DOUBT, ASK

200 mm

150

100

90

80

70

60

50

40

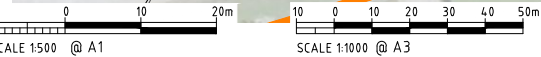
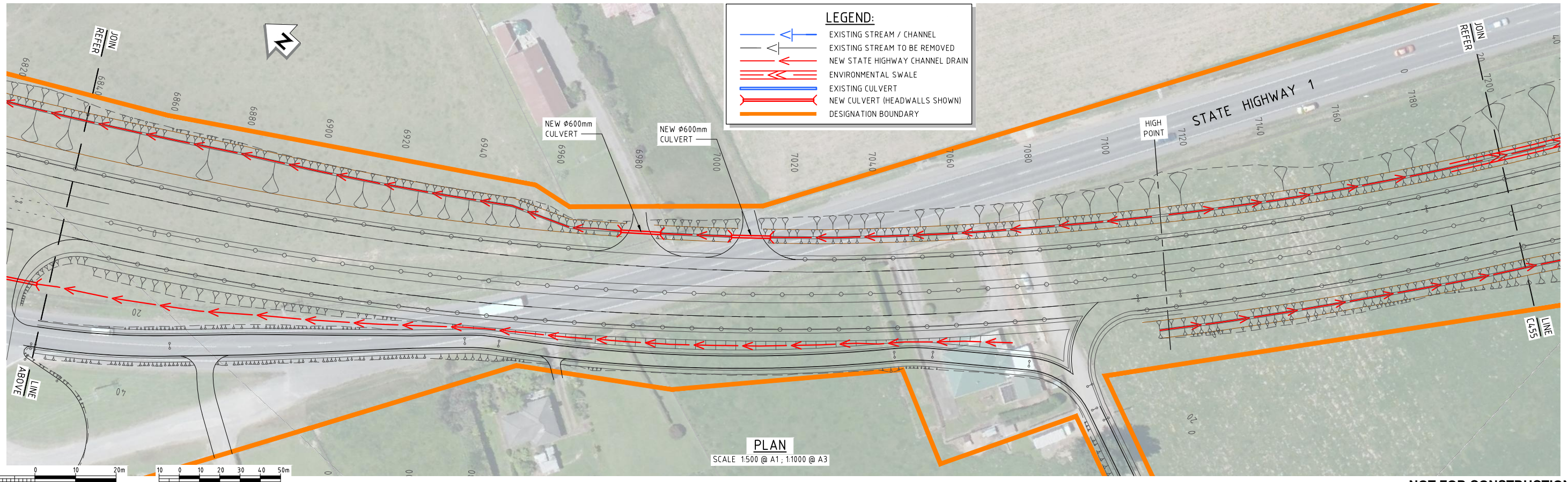
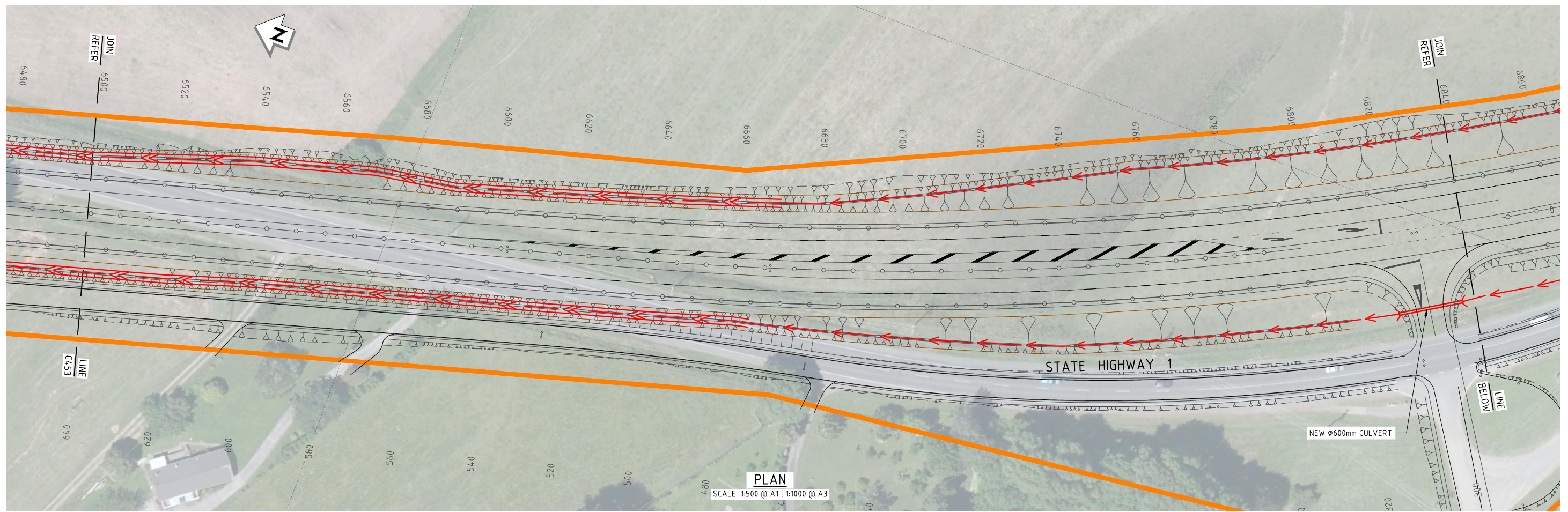
30

20

10

0

ORIGINAL SIZE A1



NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	APP	CHK	DRN
B	ISSUED FOR CONSENT	11/15	PP	JP	PJC
A	PRELIMINARY	06/15			PJC
	REVISIONS				

SURVEYED	LIDAR & Aerial Photos	04/14
DESIGNED	Nick Keenan	06/15
DRAWN	Phillip Cook	06/15
CAD REVIEW		
DESIGN CHECK		
DESIGN REVIEW		
APPROVED		
PROF REGISTRATION:		

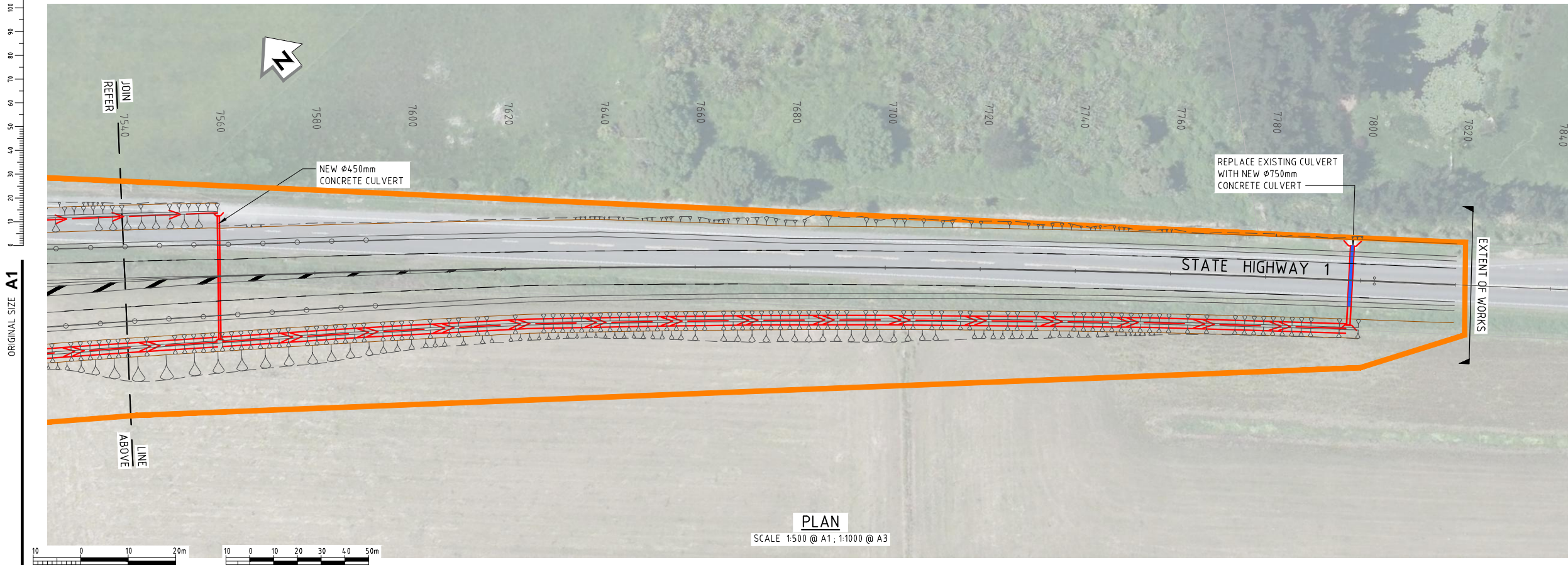
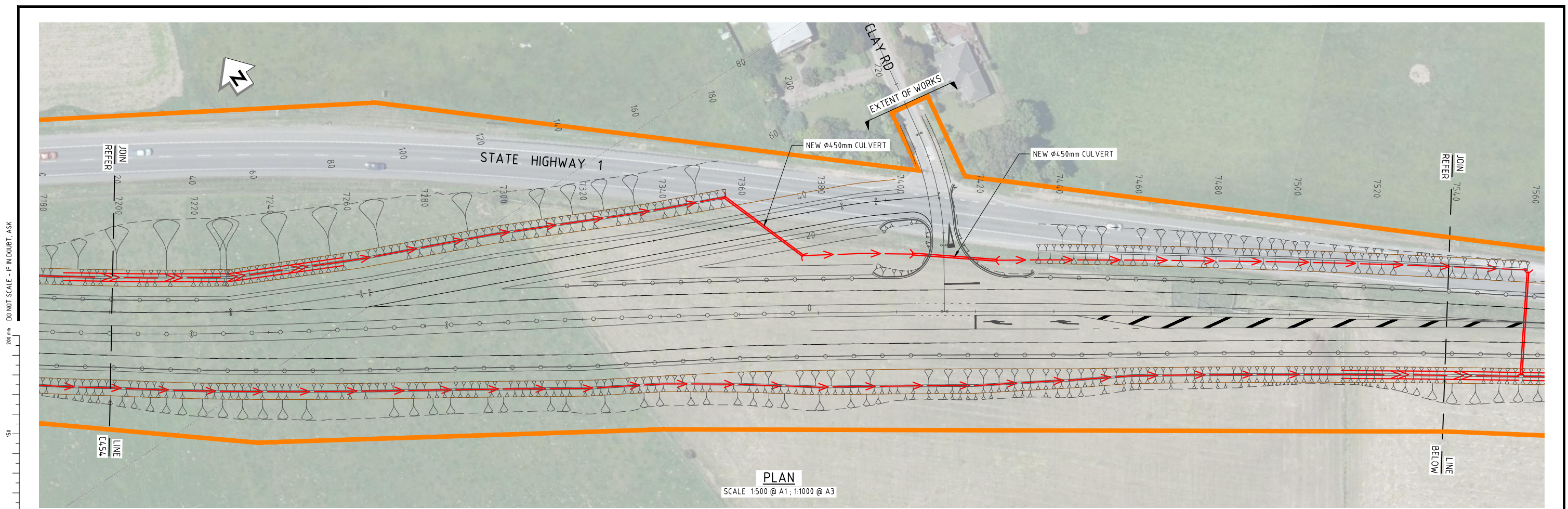


Client:
NZ TRANSPORT AGENCY
TAHAKOHI

**WAITARERE BEACH ROAD
 CURVES PROJECT**

DRAINAGE LAYOUT PLAN

Status Stamp	FOR CONSENT
Date Stamp	12/11/2015
Scales	1:500 @ A1, 1:1000 @ A3
Drawing No.	80500902-04-0853-C454
Rev	B



LEGEND:

- EXISTING STREAM / CHANNEL
- EXISTING STREAM TO BE REMOVED
- NEW STATE HIGHWAY CHANNEL DRAIN
- ENVIRONMENTAL SWALE
- EXISTING CULVERT
- NEW CULVERT (HEADWALLS SHOWN)
- DESIGNATION BOUNDARY

REV	DESCRIPTION	DATE	APP	CHK	DRN
B	ISSUED FOR CONSENT	11/15	PP	JP	PJC
A	PRELIMINARY	06/15			PJC

SURVEYED	LIDAR & Aerial Photos	04/14
DESIGNED	Nick Keenan	06/15
DRAWN	Phillip Cook	06/15
CAD REVIEW		
DESIGN CHECK		
DESIGN REVIEW		
APPROVED		
PROF REGISTRATION:		

Client:

WAITARERE BEACH ROAD
CURVES PROJECT
DRAINAGE LAYOUT PLAN

NOT FOR CONSTRUCTION

FOR CONSENT

Status Stamp
Date Stamp: 12/11/2015
Scales: 1:500 @ A1, 1:1000 @ A3
Drawing No: 80500902-04-0853-C 455
Rev: B