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A 17/08/12 CONSENT ISSUE

SSUE DATE

AMENDMENT

APP'D P.DIR

BY APPD.

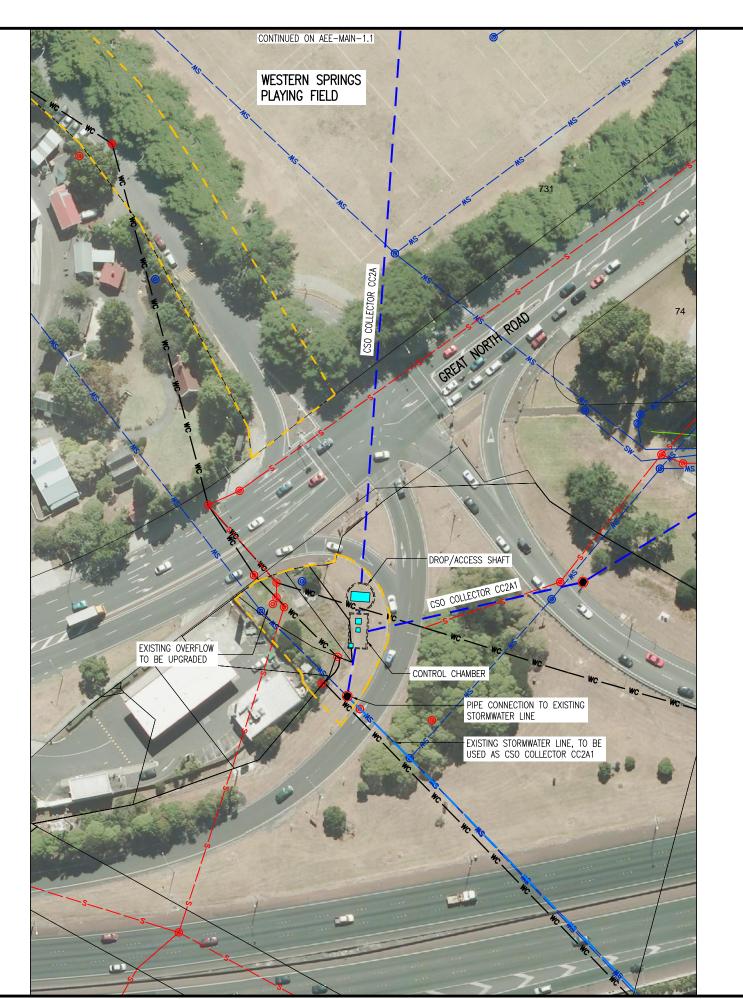
ASSET MANAGER

AEE AUGUST 2012

WESTERN SPRINGS (WS1) - PERMANENT WORKS PLAN

AEE-MAIN-1.1





<u>NOTES:</u>

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.
- CC2A: THESE WORKS BETWEEN THE CONNECTIONS
 AT WESTERN SPRINGS OFF RAMP AND THE MAIN
 WESTERN SPRINGS SITE ARE COVERED IN THE
 APPLICATIONS AND AEE FOR CENTRAL INTERCEPTOR
 MAIN PROJECT WORKS.

LEGEND

LINK SEWER

CSO COLLECTOR

CONNECTION PIPELINE

MAIN TUNNEL

— — sw— existing stormwater

PROPOSED DESIGNATION BOUNDARY

LID/STRUCTURE FLUSH WITH GROUND

LID/STRUCTURE ABOVE GROUND

LID/STRUCTURE ABOVE GROUND

DESIGNED NL

DES. CHECKED JS

DRAWN AP

DRAWN AP

DRAWN AP

DRAWN AP

DRAWN AP

DWG. CHECKED NL

B 12/07/12 ADDRESS NUMBERS ADDED AND NOTE ADDED TO PLAN AP JOC REV'D P.MGR JS

A 17/08/12 CONSENT ISSUE

AP PR APP'D P.DIR CC

SSUE DATE

AMENDMENT

DESIGNED NL

DORG. CHECKED NL

DWG. CHECKED NL

DESIGNED

DWG. CHECKED NL

DESIGNED

DWG. CHECKED NL

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DWG. CHECKED NL

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DWG. CHECKED NL

DESIGNED

DESIGNED

AP DATE

ASSET MANAGER

AEE JULY 2013

water Care

Services limited

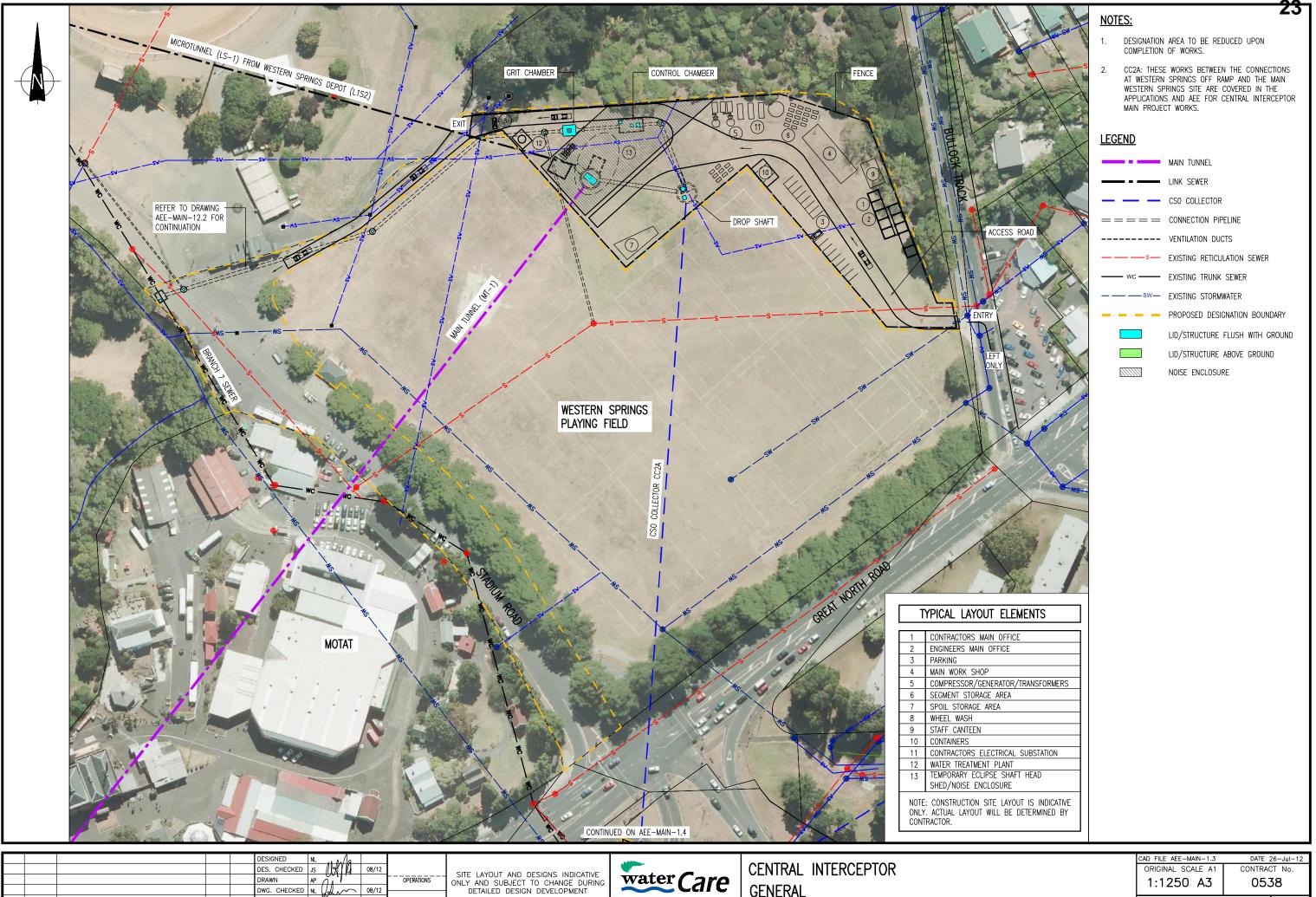
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CENTRAL INTERCEPTOR GENERAL

• WESTERN SPRINGS INTERCHANGE — PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-1.2_E	DATE 1	11-Jul-13
ORIGINAL SCALE A1	CONTRAC	CT No.
1:1000 A3	1:1000 A3 0538	
DRAWING No		ICCLIE

AEE-MAIN-1.2 ISSUE



DWG. CHECKED NL 08/12 REV'D P.MGR APP'D P.DIR A 17/08/12 CONSENT ISSUE ASSET MANAGER AEE AUGUST 2012 AMENDMENT SSUE DATE BY APPD.

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GENERAL

WESTERN SPRINGS (WS1) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-1.3	DATE 26-Jul-12	
ORIGINAL SCALE A1	CONTRACT No.	
1:1250 A3	0538	
DDAWING No	ICCLIE	

AEE-MAIN-1.3



CC2A: THESE WORKS BETWEEN THE CONNECTIONS AT WESTERN SPRINGS OFF RAMP AND THE MAIN WESTERN SPRINGS SITE ARE COVERED IN THE APPLICATIONS AND AEE FOR CENTRAL INTERCEPTOR MAIN PROJECT WORKS.

— CSO COLLECTOR

EXISTING TRUNK SEWER

—sw— EXISTING STORMWATER

- PROPOSED DESIGNATION BOUNDARY LID/STRUCTURE FLUSH WITH GROUND

LEGEND MAIN TUNNEL LINK SEWER === CONNECTION PIPELINE ---- VENTILATION DUCTS -s- EXISTING RETICULATION SEWER

LID/STRUCTURE ABOVE GROUND

WORKING SHAFT ENTRY/EXIT

2400¢ CSO COLLECTOR

CONTINUED ON AEE-FIGURE-1.3

WESTERN SPRINGS PLAYING FIELD

PREVIOUSLY ABANDONED BRANCH 7 CONTROL CHAMBER

EXISTING STORMWATER LINE, TO BE USED AS CSO COLLECTOR

DES. CHECKED JS SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT OPERATIONS DRAWN DWG. CHECKED N B 12/07/13 ADRRESS NUMBERS ADDED JQC REV'D P.MGR JS A 17/08/12 CONSENT ISSUE AP PR APP'D P.DIR ASSET MANAGER AEE JULY 2013 AMENDMENT SUE DATE

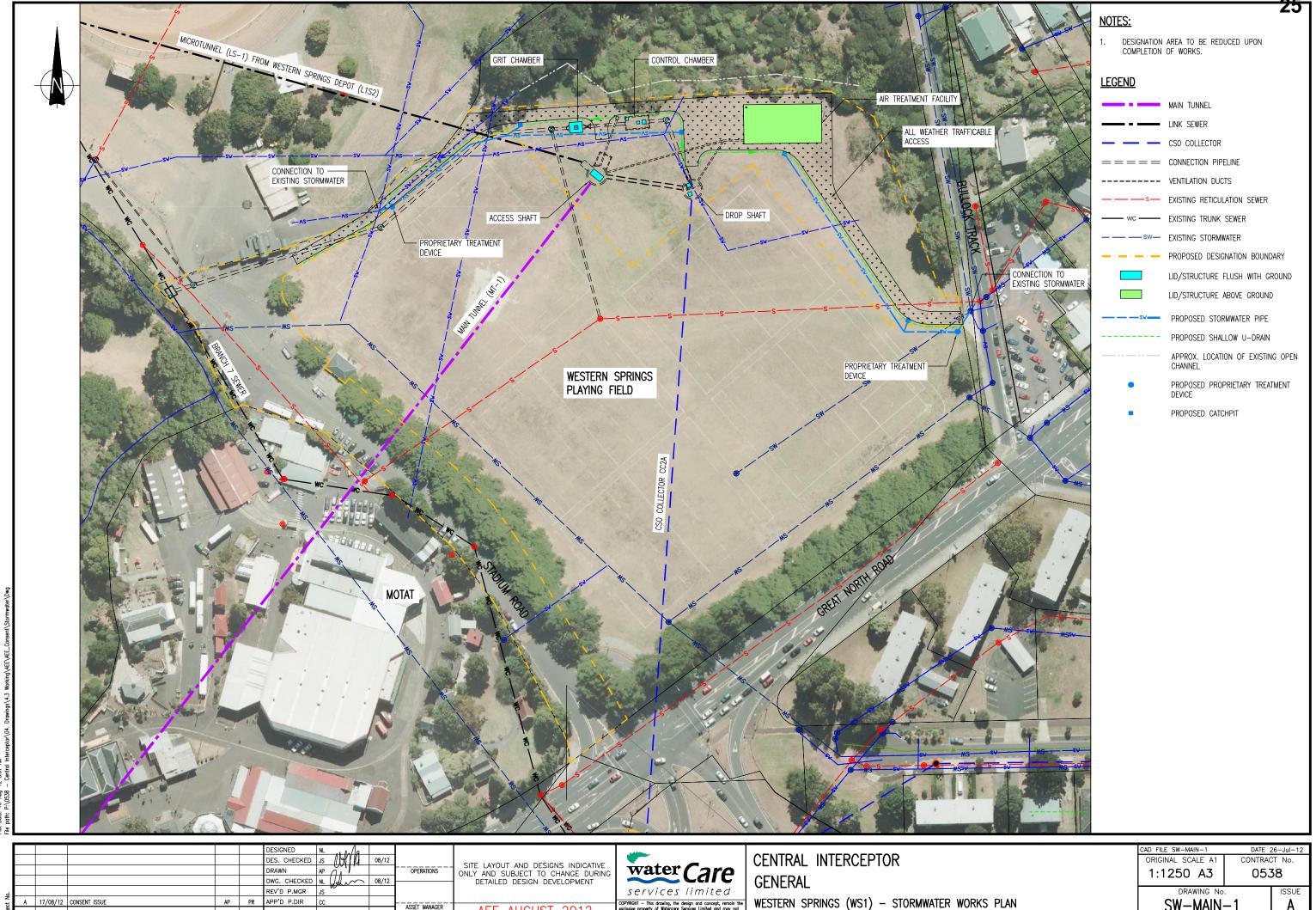
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CENTRAL INTERCEPTOR **GENERAL**

WESTERN SPRINGS INTERCHANGE - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-1.4_B	DATE 11-Jul-13	
ORIGINAL SCALE A1	CONTRACT No.	
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DRAWING No	. ISSUE	

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BY APPD.

AEE AUGUST 2012

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SW-MAIN-



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Projection: NZTM

60m Scale: 1:2000 @ A3 Data Sources: Site LIDAR (Nov. 2010), Aerials (2012) - AECOM Auckland Council aerials (2010), BML



Designation Boundary

Water Course

walkways 👅

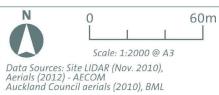
CENTRAL INTERCEPTOR AND ASSOCIATED WORKS Western Springs (WS 1) Location and Context - Plan Date: 05 July 2013 | Revision: D

Graphic prepared for Watercare Services Ltd by Boffa Miskell Limited $Author: {\bf bernie.ranum@boffamiskell.co.nz} \ | \ {\it Checked: J.Goodwin}$ Figure 2

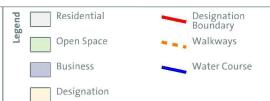


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CENTRAL INTERCEPTOR AND ASSOCIATED WORKS

Western Springs Interchange
Location and Context - Plan

Date: 05 July 2013 | Revision: D

Graphic prepared for Watercare Services Ltd by Boffa Miskell Limited Author: bernie.ranum@boffamiskell.co.nz | Checked: J.Goodwin Figure 2a



View from walkway at Northeast of playing fields



View from Bullock Track entrance to playing fields



View from Great North Road



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CENTRAL INTERCEPTOR AND ASSOCIATED WORKS Western Springs (WS 1) | Location and Context – Photographs

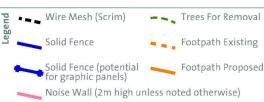
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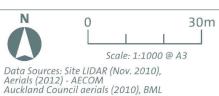


CENTRAL INTERCEPTOR AND ASSOCIATED WORKS
Western Springs (WS 1)
Construction Site and Works
Date: 05 July 2013 | Revision: D

Graphic prepared for Watercare Services Ltd by Boffa Miskell Limited Author: bernie.ranum@boffamiskell.co.nz | Checked: J.Goodwin Figure 4

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Western Springs (WS 1) Permanent Works Concept Date: 05 July 2013 | Revision: D |

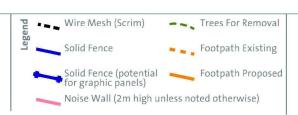
Graphic prepared for Watercare Services Ltd by Boffa Miskell Limited $Author: {\bf bernie.ranum@boffamiskell.co.nz} \ | \ {\it Checked: J.Goodwin}$



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Note: Site layout indicative only. Final layout dependant on Construction Management Plan

CENTRAL INTERCEPTOR AND ASSOCIATED WORKS
Western Springs Interchange
Construction Site and Permanent Works
Date: 05 July 2013 | Revision: D

Graphic prepared for Watercare Services Ltd by Boffa Miskell Limited

 $Author: {\bf bernie.ranum@boffamiskell.co.nz} \ | \ Checked: J. Goodwin$

13 Revision: D

|Figure 5a



Existing View (from Stadium Road)



Proposed View - Indicative (including possible Air Treatment Facility)



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Date of Photography: 2:00pm, 27 June 2011 Horizontal Field of View : 105° Note - Photomontages are indicative of the Permanent Works. Fields of view have been set up to accurately represent the Preliminary Concept Design for each site and its surrounds. Given the indicative nature of the photomontages, the true to scale viewing distance varies between each photomontages and has not been noted.

CENTRAL INTERCEPTOR AND ASSOCIATED WORKS
Western Springs (WS 1)
Photomontage: Viewpoint 1
Date: 05 July 2013 | Revision: D |

Plan prepared for Watercare Services Ltd by Boffa Miskell Limited

Author: michael.bain@boffamiskell.co.nz | Checked: J.Goodwin



Existing View (from Bullock Track)



Proposed View - Indicative (including possible Air Treatment Facility)



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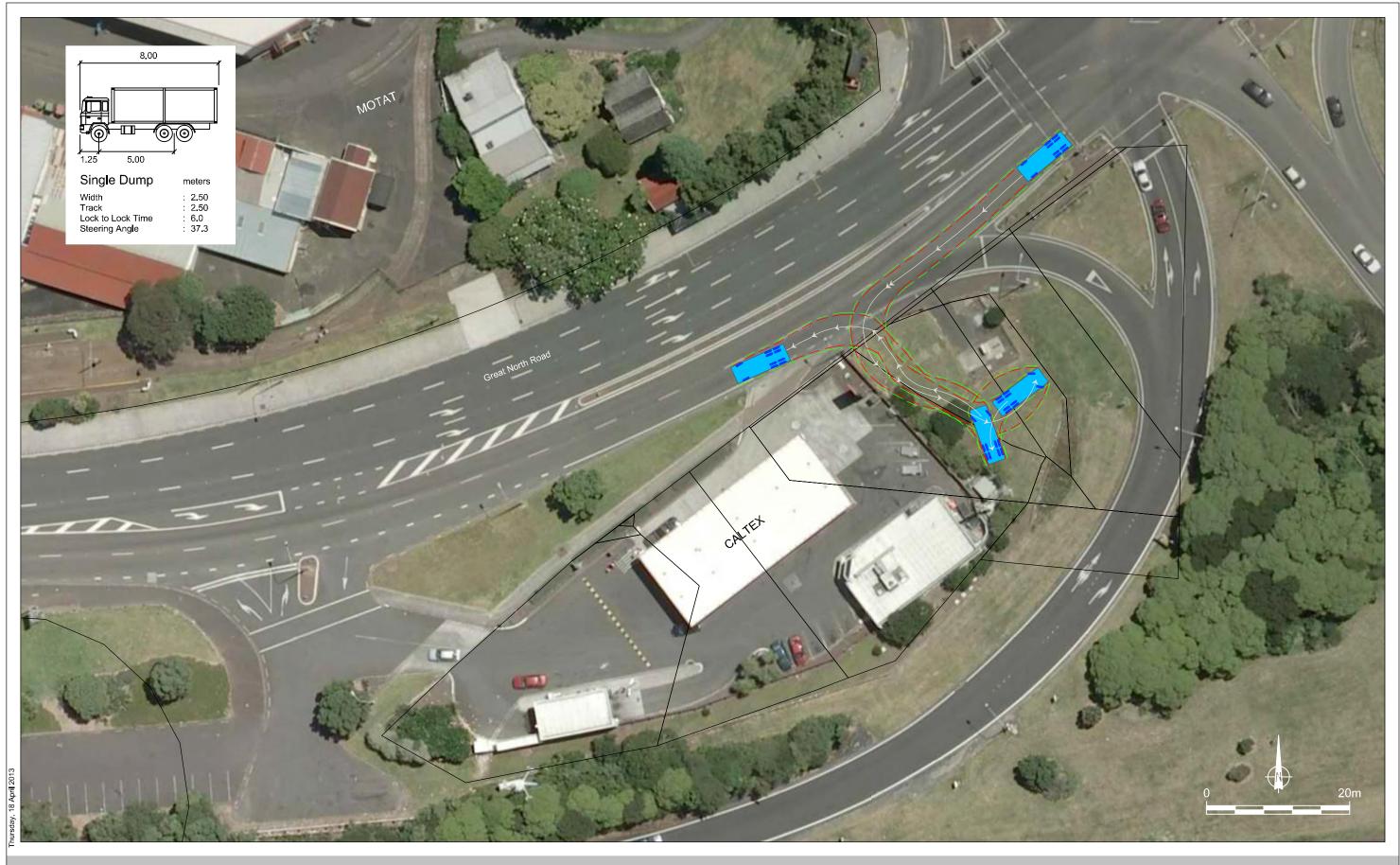
Date of Photography: 2:00pm, 27 June 2011 Horizontal Field of View : 110° Note - Photomontages are indicative of the Permanent Works. Fields of view have been set up to accurately represent the Preliminary Concept Design for each site and its surrounds. Given the indicative nature of the photomontages, the true to scale viewing distance varies between each photomontages and has not been noted.

CENTRAL INTERCEPTOR AND ASSOCIATED WORKS
Western Springs (WS 1)
Photomontage: Viewpoint 2
Date: 05 July 2013 | Revision: D |

Plan prepared for Watercare Services Ltd by Boffa Miskell Limited Author: michael.bain@boffamiskell.co.nz | Checked: J.Goodwin



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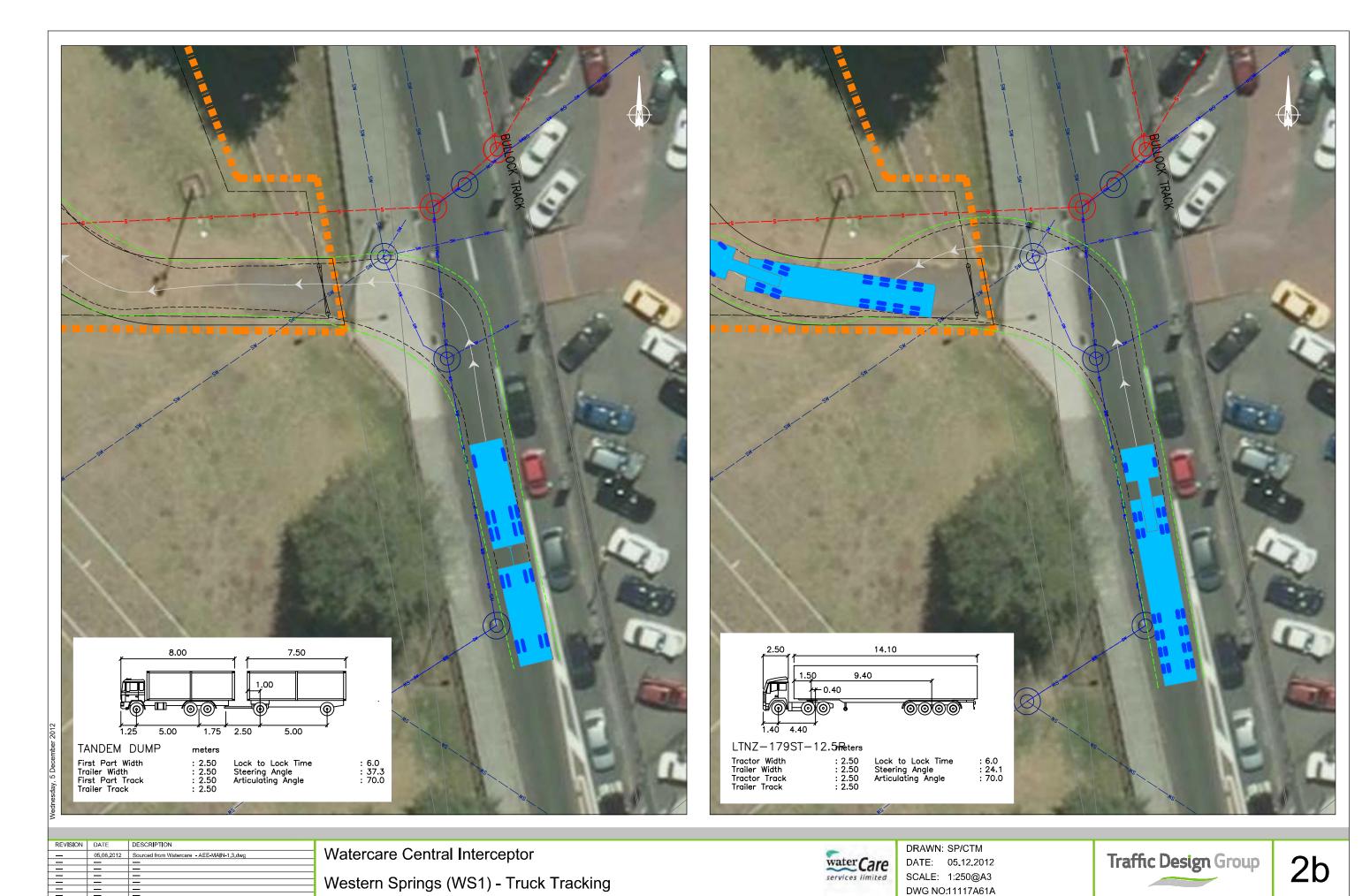


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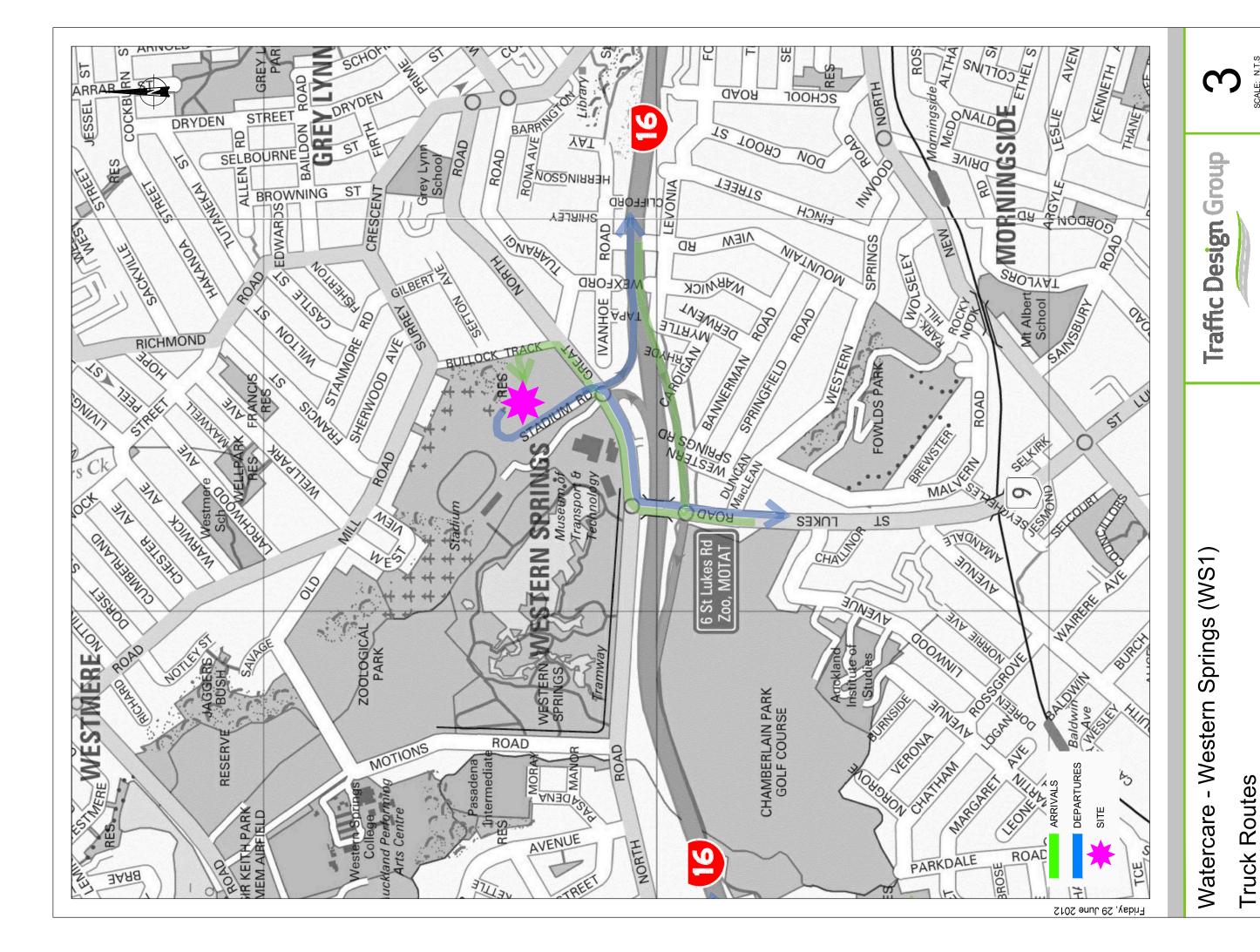
Watercare Central Interceptor - WS1 to CSO Collector Access to Secondary Site DRAWN: SP
DATE: 18.04.2013
SCALE: 1:500@A3
DWG NO:11117A60B



2a (version 2)



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