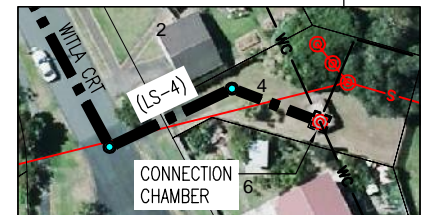
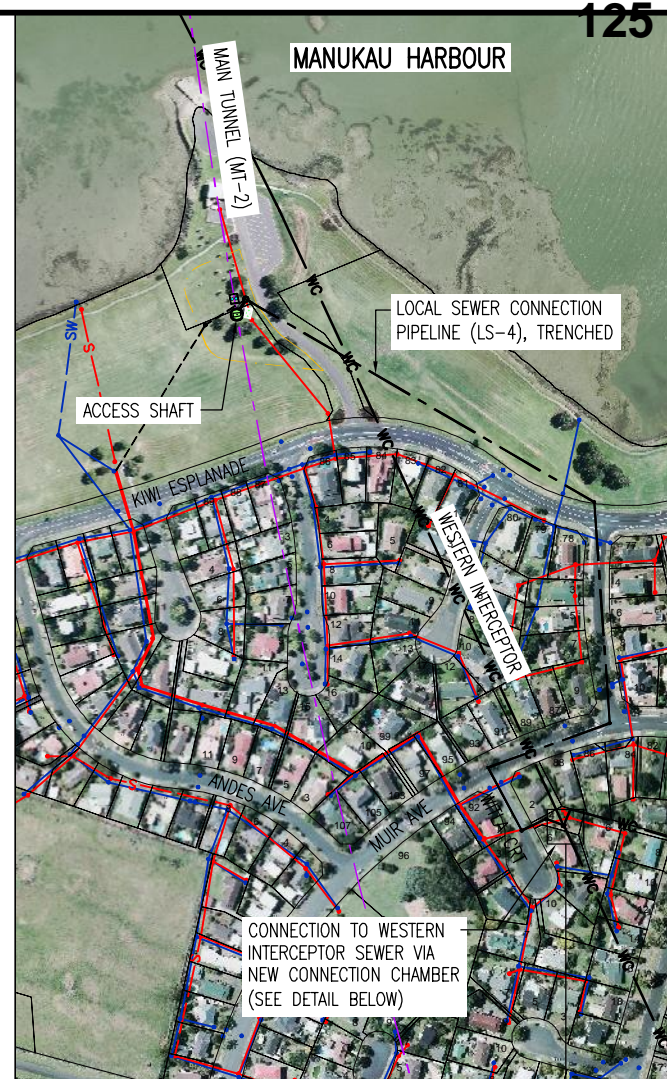
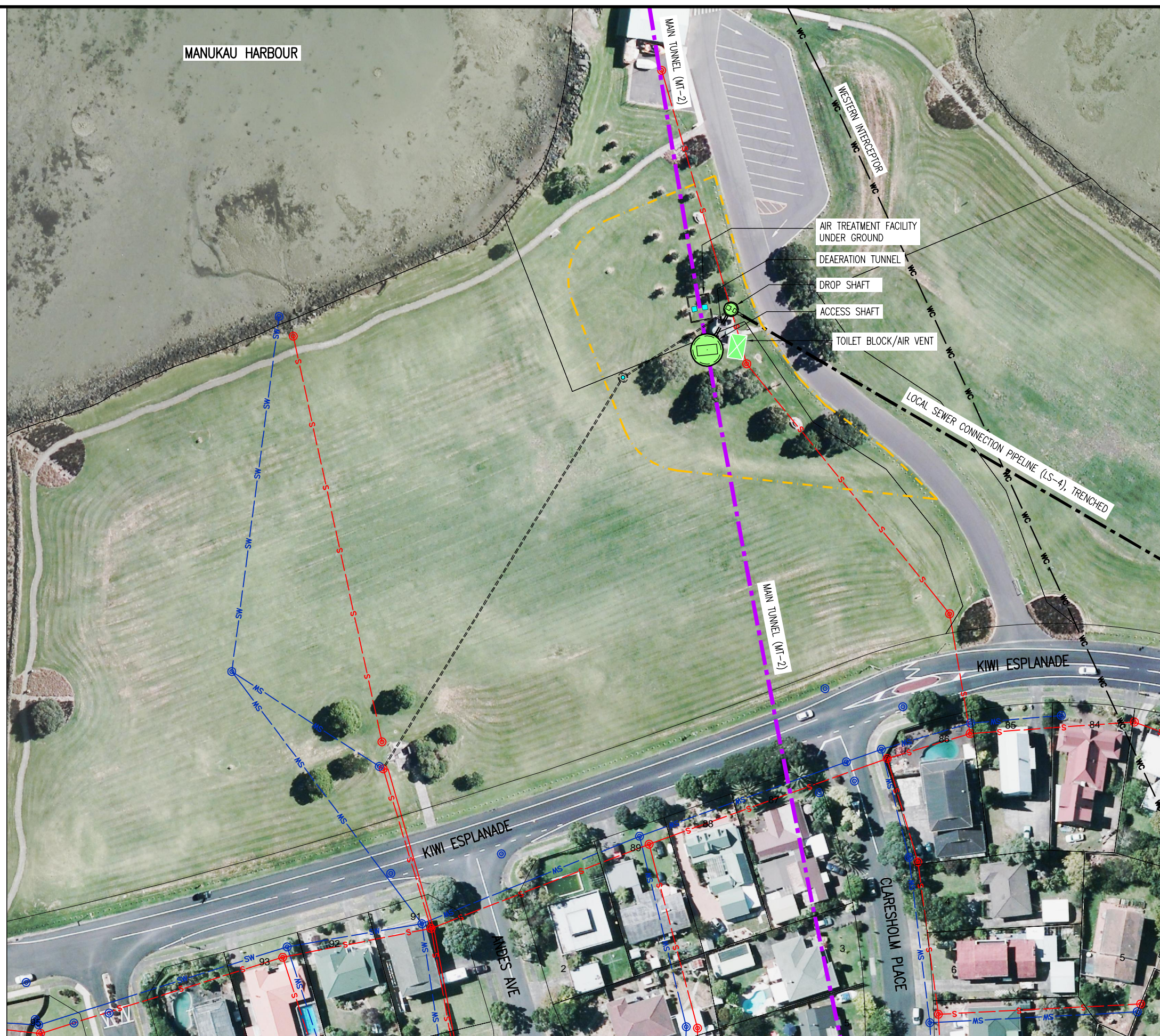


MANUKAU HARBOUR



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

LEGEND

- MAIN TUNNEL
- LINK SEWER
- CSO COLLECTOR
- CONNECTION PIPELINE
- VENTILATION DUCTS
- EXISTING RETICULATION SEWER
- WC EXISTING TRUNK SEWER
- SW EXISTING STORMWATER
- PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND

Plot Date: 11-Jul-13 11:54 a.m.
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE_Main_9.1_Concent\General\0mg

DESIGNED	NL				
DES. CHECKED	JS				
DRAWN	AP				
DWG. CHECKED	NL				
REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
B	12/07/13	ADDRESS NUMBERS ADDED	AP	JQC	
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT



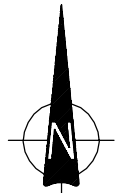
COPYRIGHT - This drawing, the design and concept, remain the exclusive property of WaterCare Services Limited and may not be used without approval. Copyright reserved.

**CENTRAL INTERCEPTOR
GENERAL**

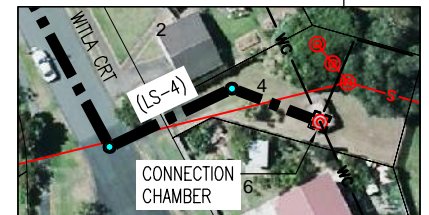
KIWI ESPLANADE UTILITIES (AS7) - PERMANENT WORKS PLAN

AEE JULY 2013

CAD FILE AEE-MAIN-9.1_B	DATE 11-Jul-13
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-9.1	ISSUE B



MANUKAU HARBOUR



LEGEND

- MAIN TUNNEL
- LINK SEWER
- CSO COLLECTOR
- CONNECTION PIPELINE
- VENTILATION DUCTS
- EXISTING RETICULATION SEWER
- EXISTING TRUNK SEWER
- EXISTING STORMWATER
- PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND

Plot Date: 11-Jul-13 11:56 a.m.
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE_Main-9.2_Concentrator.Dwg

DESIGNED	NL				
DES. CHECKED	JS				
DRAWN	AP				
DWG. CHECKED	NL				
REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
B	12/07/13	ADDRESS NUMBERS ADDED	AP	JQC	
A	17/08/12	CONSENT ISSUE	AP	PR	

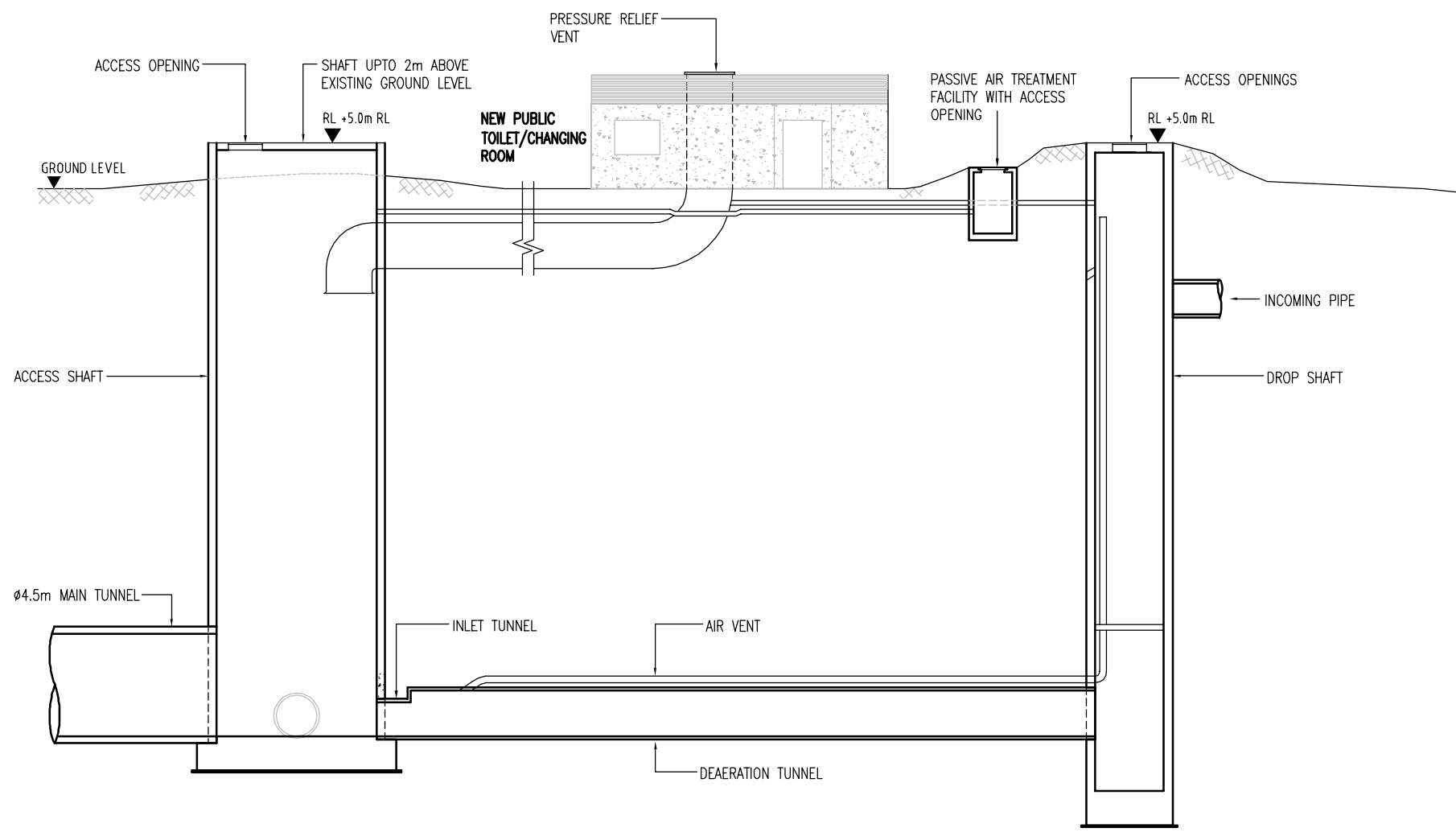
OPERATIONS
 ASSET MANAGER
 SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE JULY 2013



CENTRAL INTERCEPTOR GENERAL
 KIWI ESPLANADE (AS7) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-9.2_B	DATE 11-Jul-13
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-9.2	ISSUE B

COPYRIGHT - This drawing, the design and concept, remain the exclusive property of Watercare Services Limited and may not be used without approval Copyright reserved.



Plot Date: 11-Jul-13 11:58 a.m.
 File path: F:\0538 - Central Interceptor\1.0. Compiled Drawings\9_A57_Kiwi Esplanade\Alternatives-Options\Kiwi Esplanade_Options

DESIGNED								
DES. CHECKED								
DRAWN								
DWG. CHECKED								
REV'D P.MGR								
APP'D P.DIR								
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	ASSET MANAGER	
1	12/07/13	FOR INFORMATION	AP	JQC	APP'D P.DIR			

OPERATIONS

SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT

FOR INFORMATION



CENTRAL INTERCEPTOR AND ASSOCIATED WORKS

TYPICAL DETAILS

KIWI ESPLANADE - SHAFT AND TUNNEL INFORMATION

CAD FILE Kiwi Espl-SK101	DATE 11-Jul-13
ORIGINAL SCALE A1	CONTRACT No.
AS SHOWN	0538
DRAWING No.	ISSUE
KIWI ESPL-SK101	A





View from walkway looking East towards proposed works site



View from Kiwi Esplanade looking North towards proposed works site



View from Yatch Club access road towards proposed works site

A08301A_318_AS7_Kiwi_Esplanade_revC.dgn



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



ALL WEATHER TRAFFICABLE ACCESS

POHUTUKAWA TRANSPLANTED FROM SITE OR NEWSPECIMENS

AIR TREATMENT FACILITY UNDER GROUND

DROP SHAFT COVERS
PRESSURE RELIEF VENT
INTEGRATED WITHIN NEW PUBLIC
TOILETS/CHANGING ROOMS

ACCESS SHAFT COVER

EXISTING MATURE POHUTUKAWA
RETAIN WHERE PRACTICABLE
MANHOLE

KIWI ESPLANADE

CLARESHOLM PLACE

92
91A

SEALAND PLACE

89

90

88

87

86

85

84

83

82

Note: Site layout indicative only. Final layout dependant on Site Reinstatement Plan

A08301A_518a_AS7_Kiwi_Esplanade_revC.dgn



Existing View



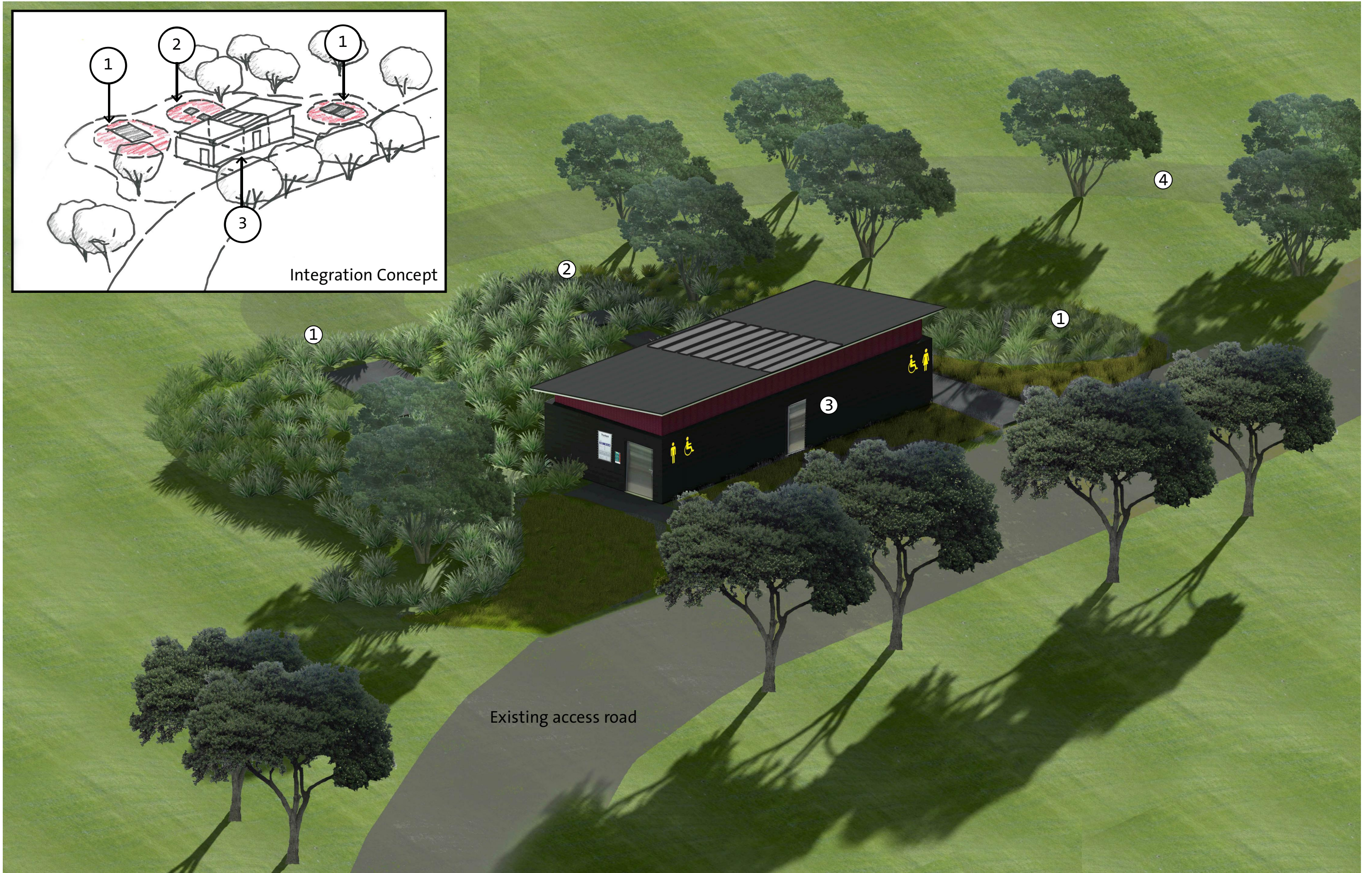
Proposed View - Indicative



Existing View (from outside # 84 on Kiwi Esplanade)

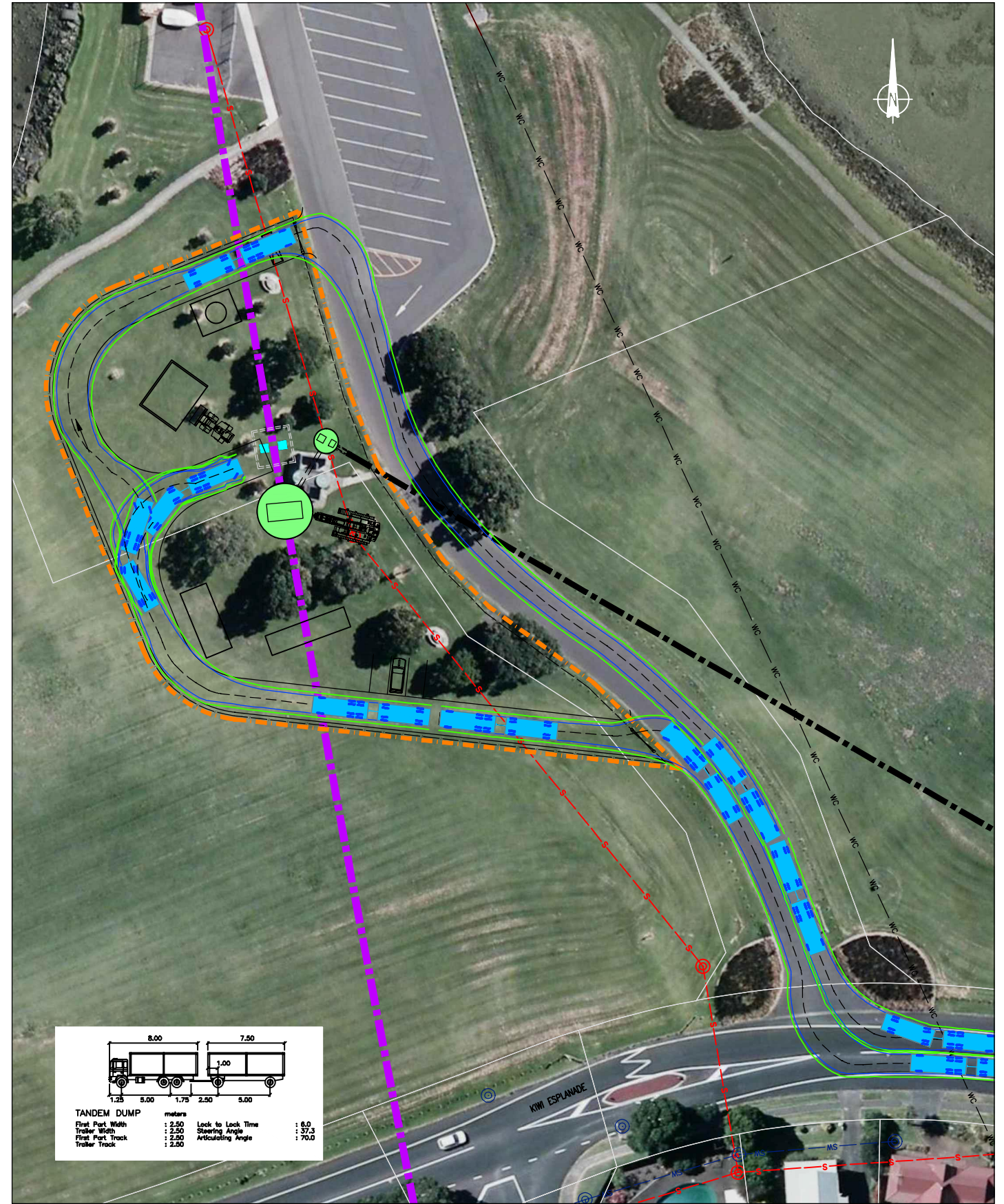
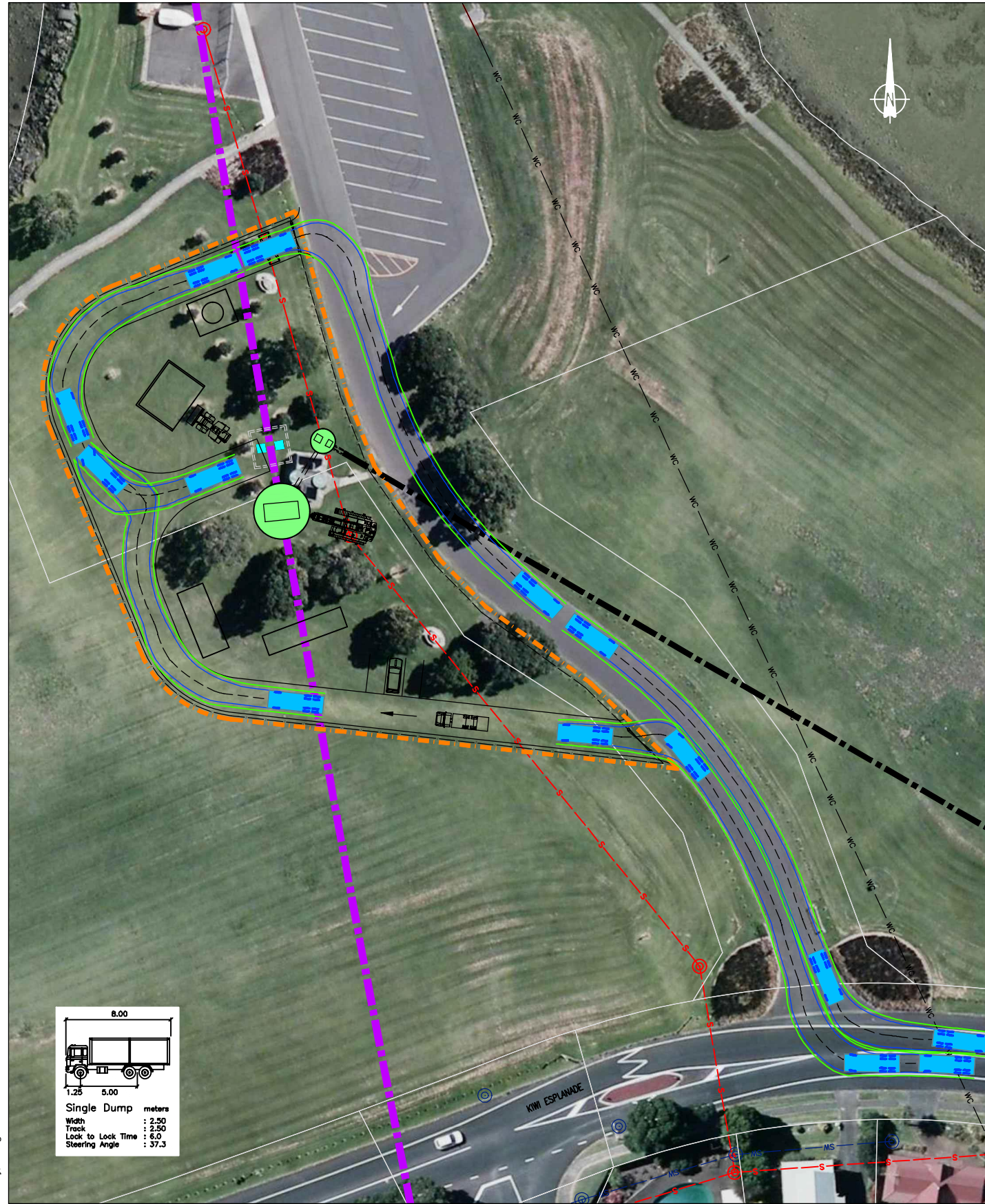


Proposed View - Indicative



Integration Concept

Existing access road



Tuesday, 7 August 2012

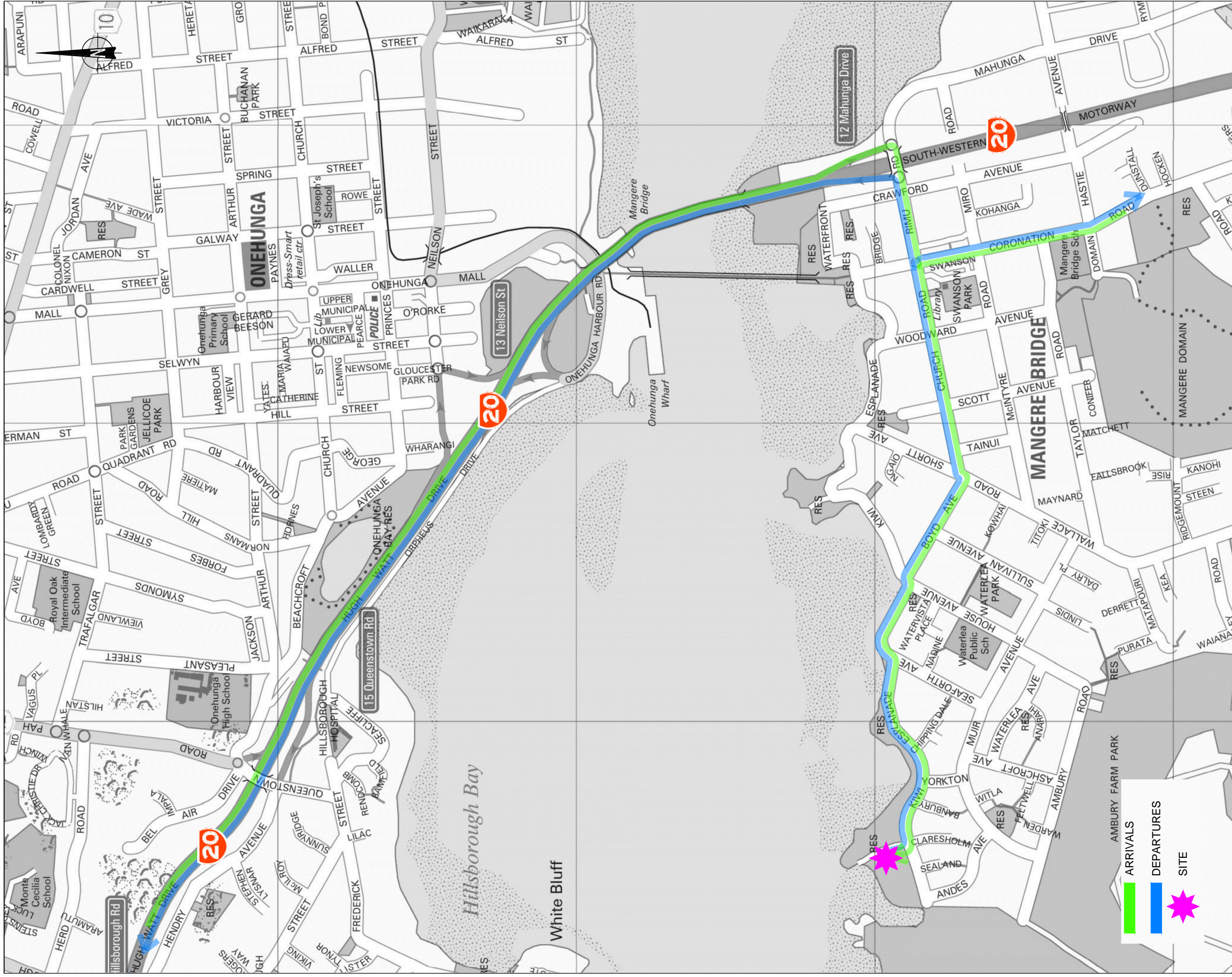
REVISION	DATE	DESCRIPTION
---	15.07.2011	Sourced from Watercare - CI-GEN-410.pdf
A	03.08.2012	Sourced from Watercare - AEE-MAIN-9A 2.dwg
---	---	---
---	---	---
---	---	---
---	---	---

Watercare Central Interceptor
 Kiwi Esplanade (AS7) - Truck Tracking



DRAWN: SP
 DATE: 07.08.2012
 SCALE: 1:750@A3
 DWG NO:11117A10B





Friday, 19 July 2013

Watercare - Kiwi Esplanade (AS7)

Truck Routes

Traffic Design Group



19.V2

SCALE: N.T.S