

Central Interceptor Scheme

Central Interceptor Main Project Works Assessment of Effects on the Environment

Part C – Drawing Set

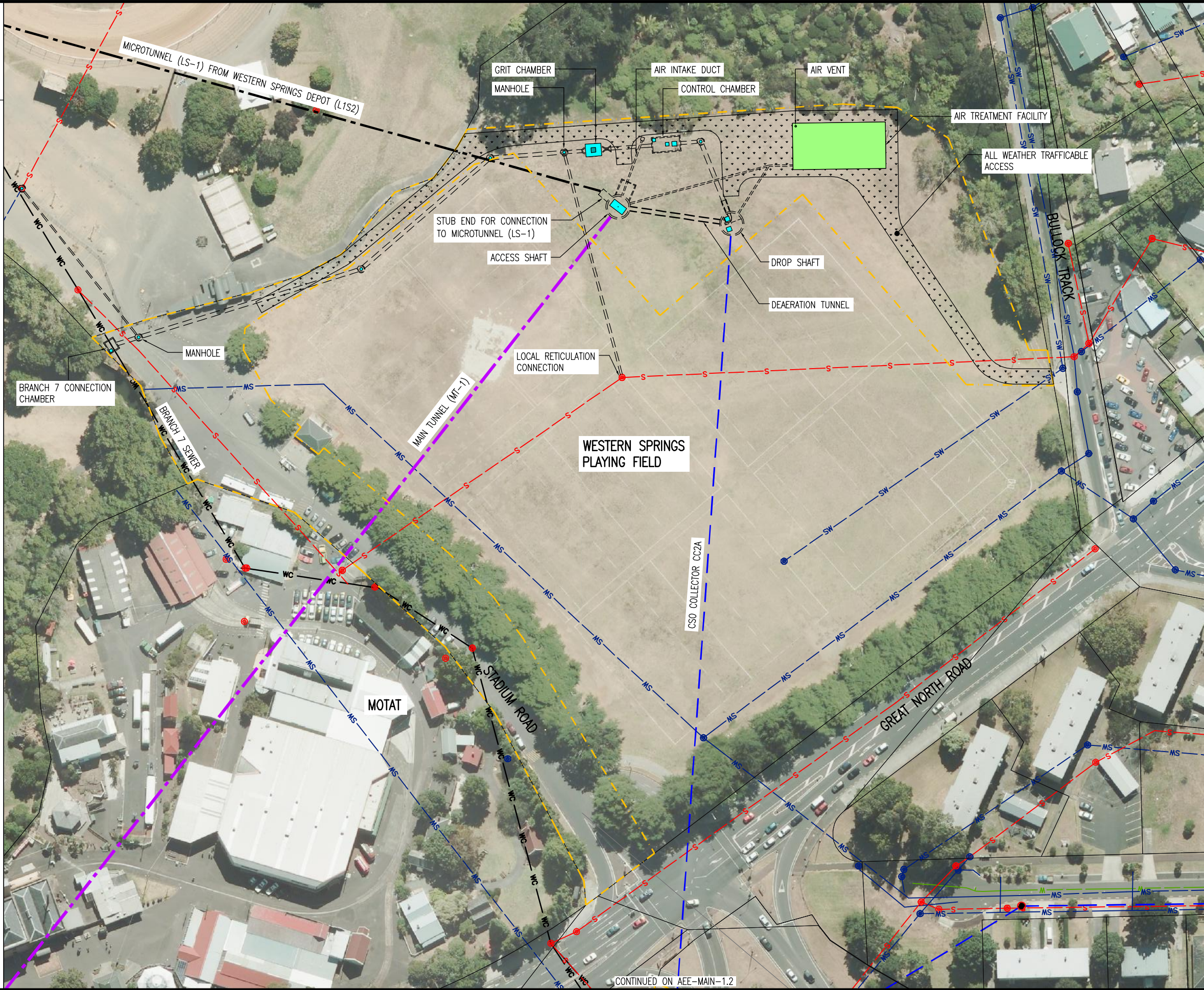
August 2012



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1. DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.
2. 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.

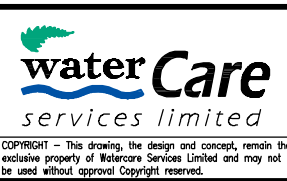
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- - - CSO COLLECTOR
- - - - - CONNECTION PIPELINE
- - - - - VENTILATION DUCTS
- - - - - EXISTING RETICULATION SEWER
- - - WC - EXISTING TRUNK SEWER
- - - SW - EXISTING STORMWATER
- - - - - PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
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CONTINUED ON AEE-MAIN-1.2

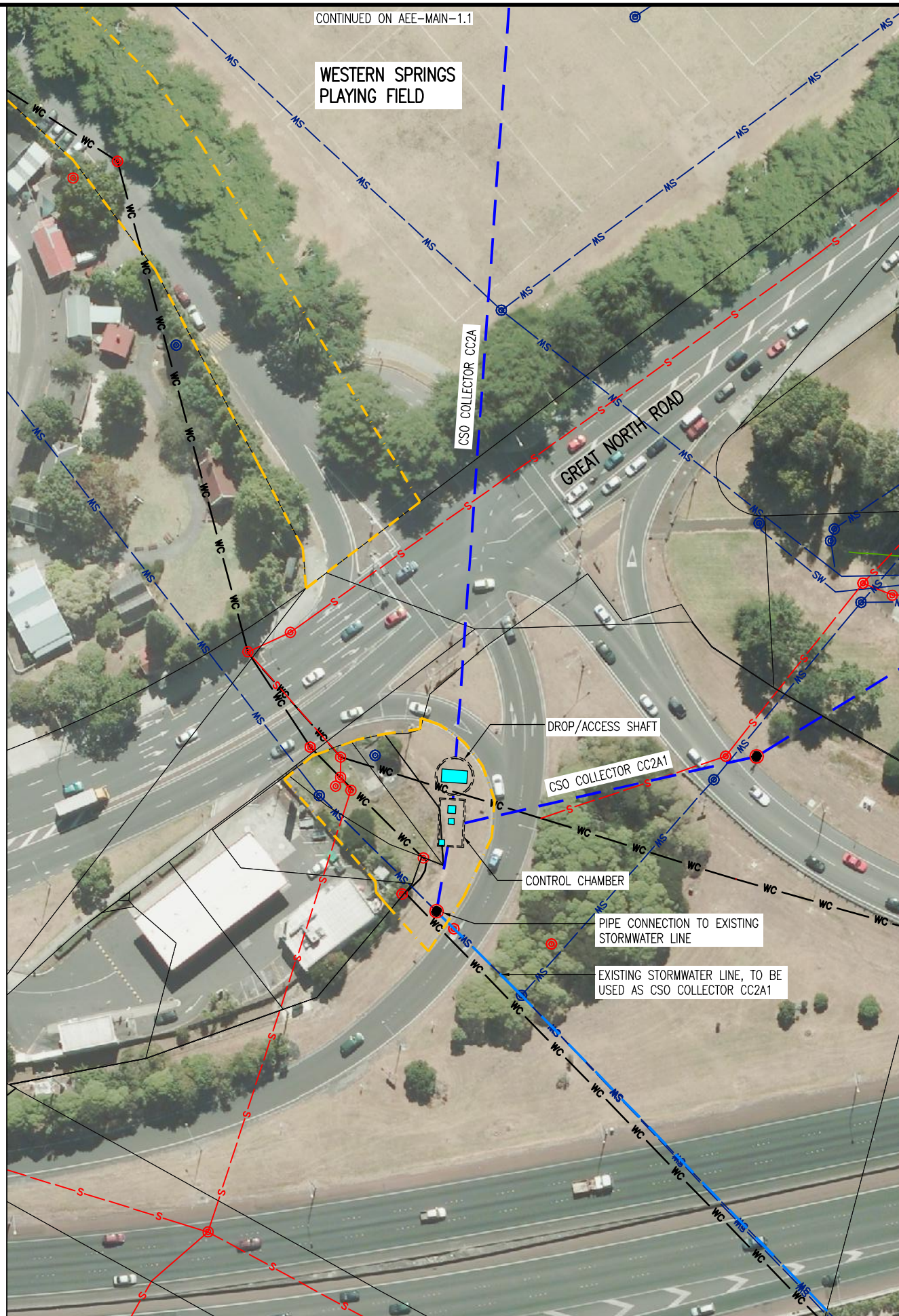
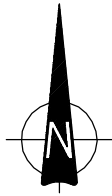
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OPERATIONS
 ASSET MANAGER
 SITE LAYOUT AND DESIGNS INDICATIVE AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL
WESTERN SPRINGS (WS1) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-1.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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DRAWING No. AEE-MAIN-1.1	ISSUE A



NOTES:

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- — — — — CSO COLLECTOR
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- - - - - VENTILATION DUCTS
- - - - - S EXISTING RETICULATION SEWER
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- SW — EXISTING STORMWATER
- - - - - PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND

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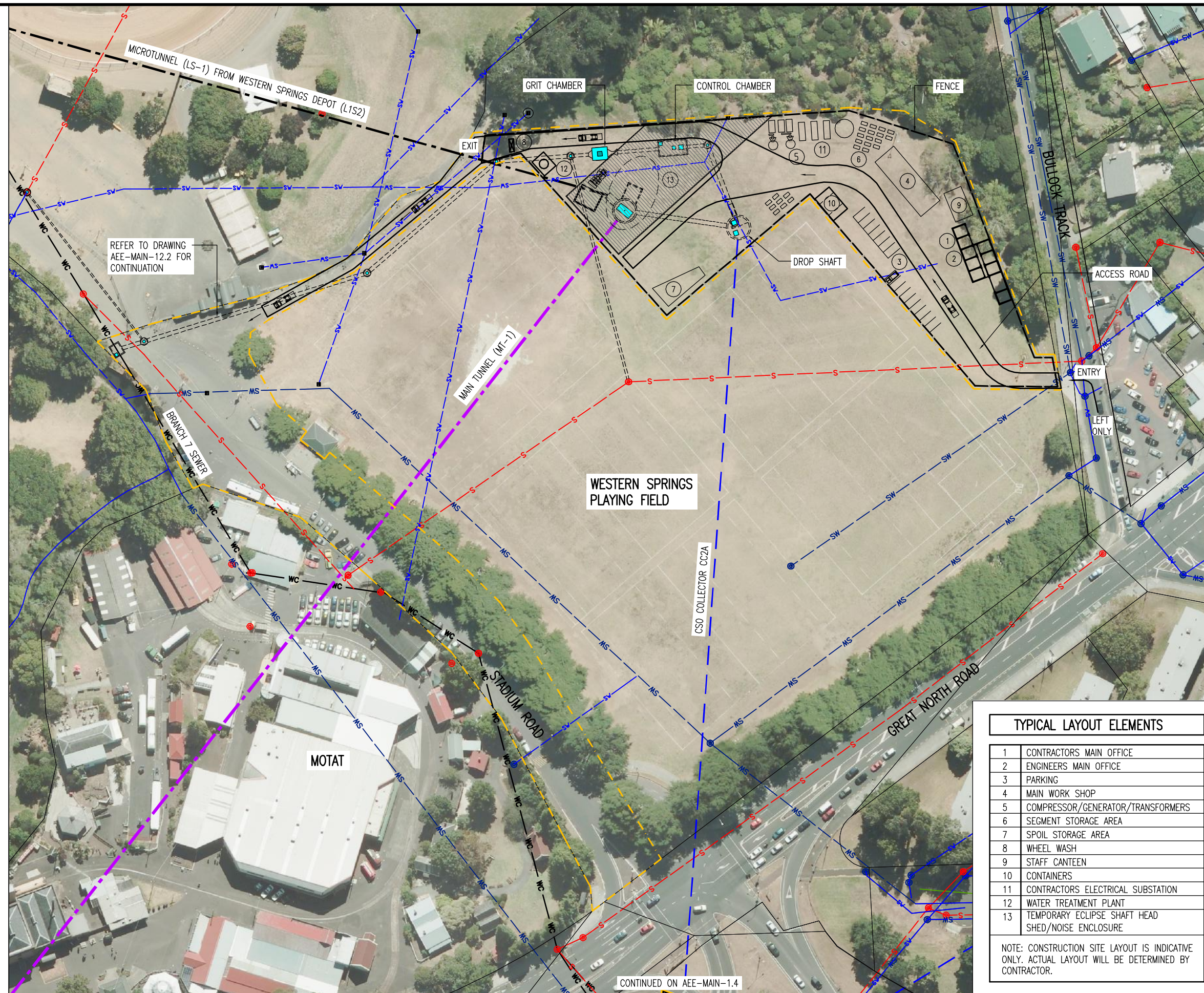
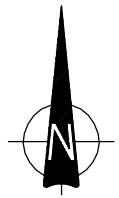
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SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
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CENTRAL INTERCEPTOR GENERAL
WESTERN SPRINGS INTERCHANGE - PERMANENT WORKS PLAN

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- VENTILATION DUCTS
- S EXISTING RETICULATION SEWER
- WC EXISTING TRUNK SEWER
- SW EXISTING STORMWATER
- PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND
- NOISE ENCLOSURE

TYPICAL LAYOUT ELEMENTS

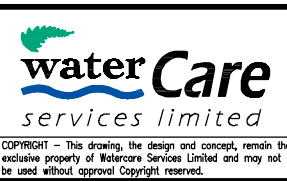
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2	ENGINEERS MAIN OFFICE
3	PARKING
4	MAIN WORK SHOP
5	COMPRESSOR/GENERATOR/TRANSFORMERS
6	SEGMENT STORAGE AREA
7	SPOIL STORAGE AREA
8	WHEEL WASH
9	STAFF CANTEEN
10	CONTAINERS
11	CONTRACTORS ELECTRICAL SUBSTATION
12	WATER TREATMENT PLANT
13	TEMPORARY ECLIPSE SHAFT HEAD SHED/NOISE ENCLOSURE

NOTE: CONSTRUCTION SITE LAYOUT IS INDICATIVE ONLY. ACTUAL LAYOUT WILL BE DETERMINED BY CONTRACTOR.

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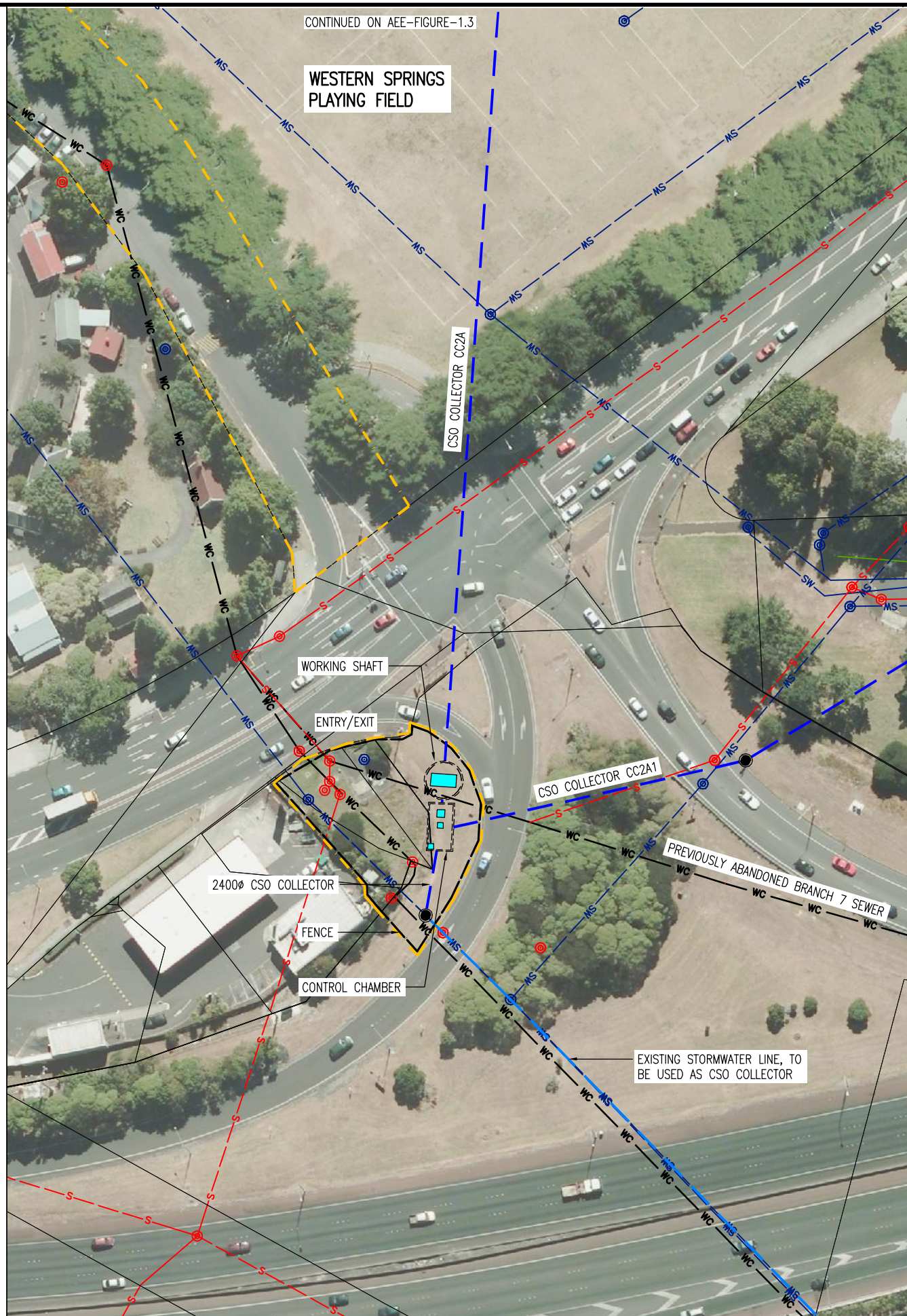
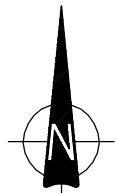
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 SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL
WESTERN SPRINGS (WS1) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-1.3	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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NOTES:

- 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.

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- — — — MAIN TUNNEL
- — — — LINK SEWER
- — — — CSO COLLECTOR
- = = = = CONNECTION PIPELINE
- - - - VENTILATION DUCTS
- S — EXISTING RETICULATION SEWER
- WC — EXISTING TRUNK SEWER
- SW — EXISTING STORMWATER
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ASSET MANAGER

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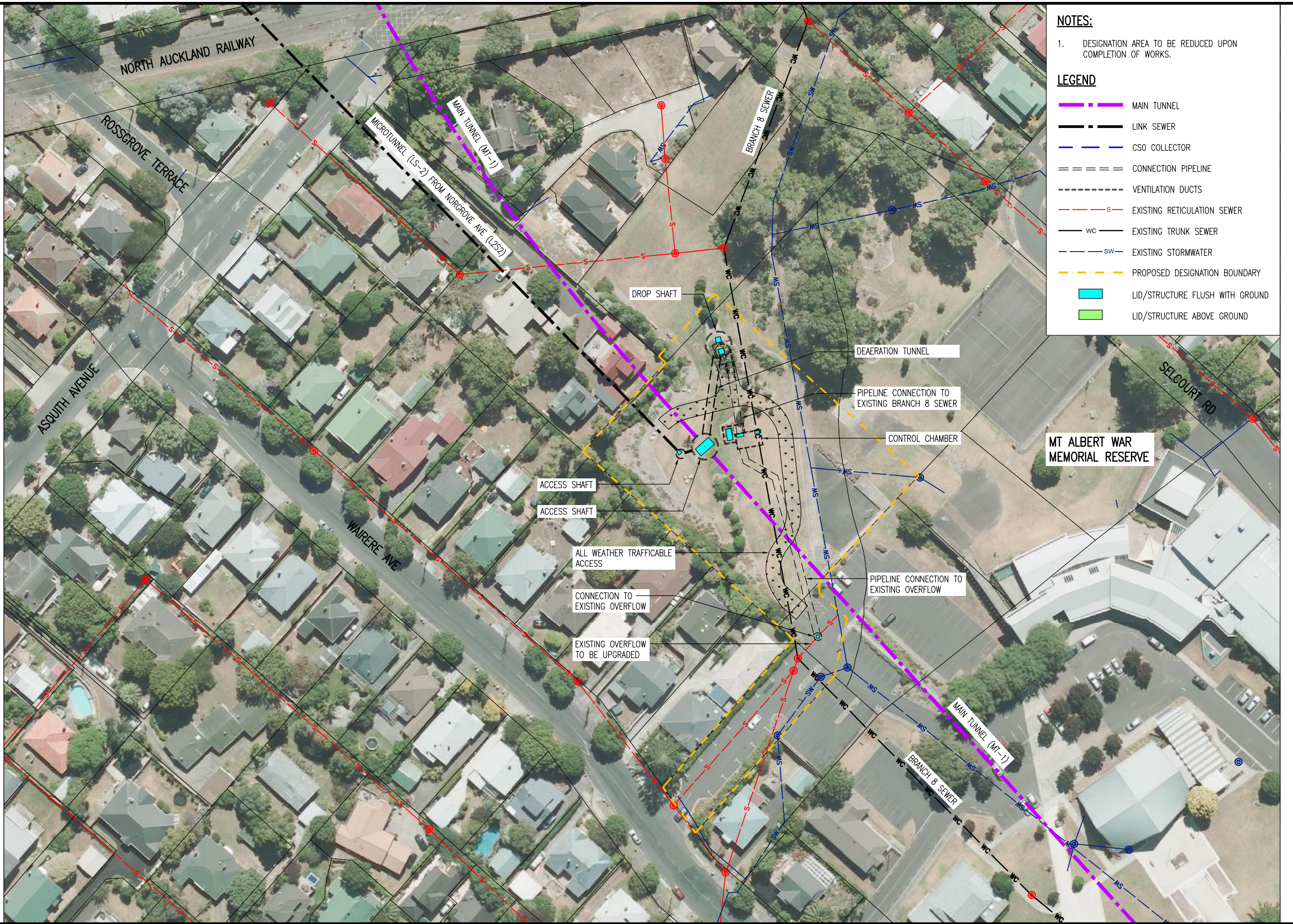
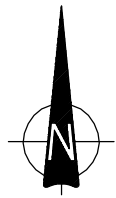


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**CENTRAL INTERCEPTOR
GENERAL**

WESTERN SPRINGS INTERCHANGE - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-1.4	DATE 26-Jul-12
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DRAWING No. AEE-MAIN-1.4	ISSUE A



NOTES:

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- - - CSO COLLECTOR
- - - CONNECTION PIPELINE
- - - VENTILATION DUCTS
- - - S EXISTING RETICULATION SEWER
- - - WC EXISTING TRUNK SEWER
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ASSET MANAGER

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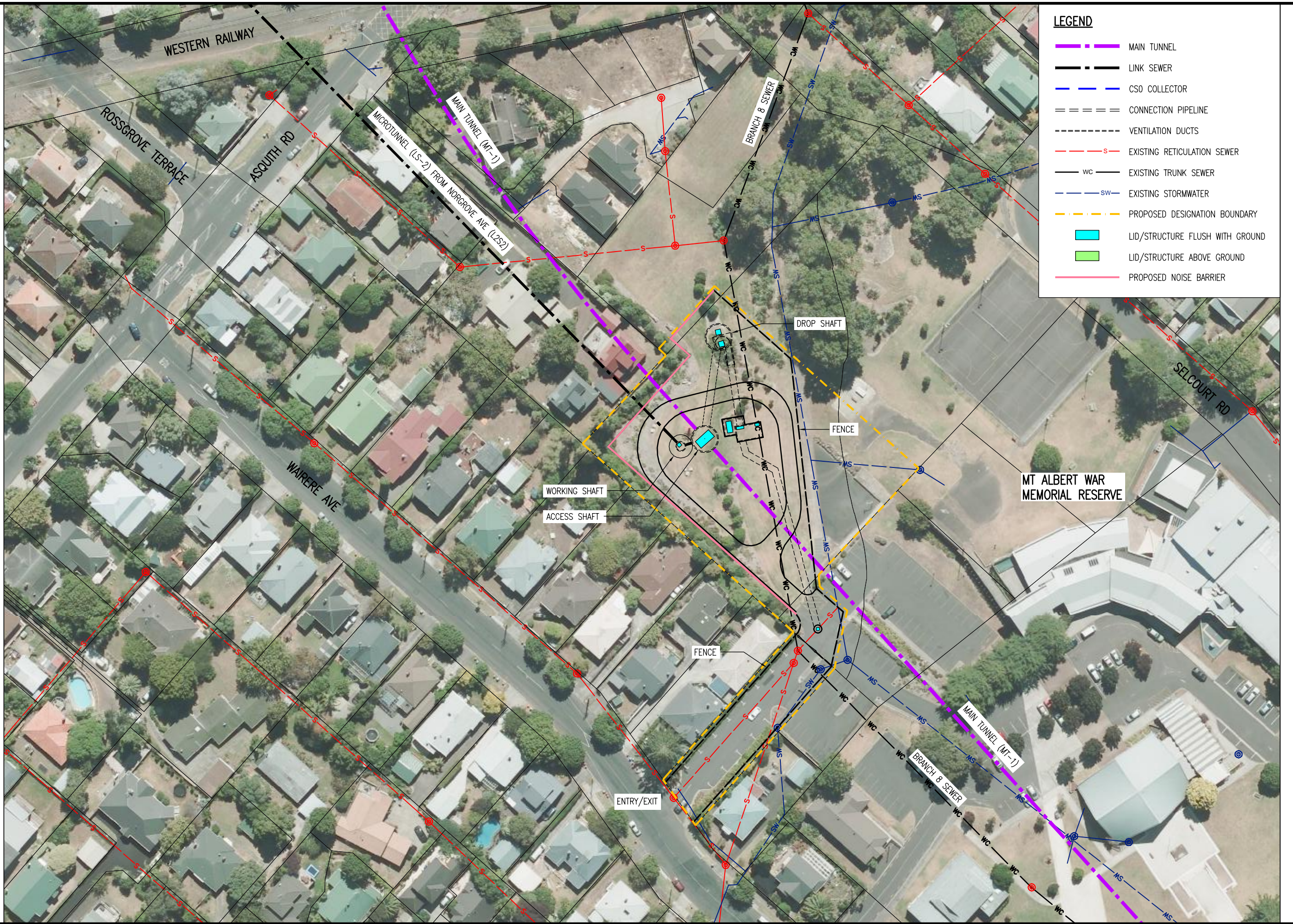
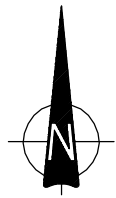
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CENTRAL INTERCEPTOR GENERAL

MT ALBERT WAR MEMORIAL RESERVE (AS1) - PERMANENT WORKS PLAN

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DRAWING No. AEE-MAIN-2.1	ISSUE A



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- CONNECTION PIPELINE
- VENTILATION DUCTS
- EXISTING RETICULATION SEWER
- wc EXISTING TRUNK SEWER
- sw EXISTING STORMWATER
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- PROPOSED NOISE BARRIER

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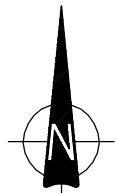
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MT ALBERT WAR MEMORIAL RESERVE (AS1) - CONSTRUCTION WORKS PLAN

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NOTES:

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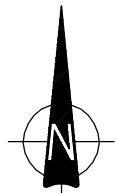
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**CENTRAL INTERCEPTOR
GENERAL
LYON AVENUE (AS2) - PERMANENT WORKS PLAN**

CAD FILE AEE-MAIN-3.1	DATE 26-Jul-12
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	CSO COLLECTOR
	CONNECTION PIPELINE
	VENTILATION DUCTS
	EXISTING RETICULATION SEWER
	EXISTING TRUNK SEWER
	EXISTING STORMWATER
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OPERATIONS

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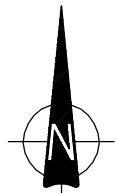
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CENTRAL INTERCEPTOR GENERAL

LYON AVENUE (AS2) - CONSTRUCTION WORKS PLAN

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NOTES:

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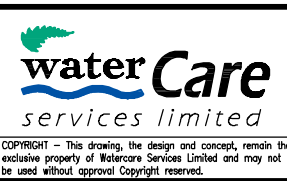
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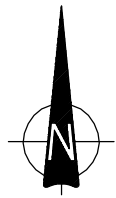
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**CENTRAL INTERCEPTOR
GENERAL**

HAVERSTOCK ROAD (AS3) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-4.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-4.1	ISSUE A



LEGEND	
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	LINK SEWER
	CSO COLLECTOR
	CONNECTION PIPELINE
	VENTILATION DUCTS
	EXISTING RETICULATION SEWER
	EXISTING TRUNK SEWER
	EXISTING STORMWATER
	PROPOSED DESIGNATION BOUNDARY
	LID/STRUCTURE FLUSH WITH GROUND
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	PROPOSED NOISE BARRIER



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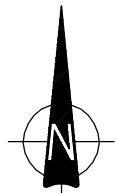
waterCare
 services limited

CENTRAL INTERCEPTOR
GENERAL
HAVERSTOCK ROAD (AS3) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-4.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-4.2	ISSUE A

OPERATIONS
 SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
 ASSET MANAGER
AEE AUGUST 2012

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NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

LEGEND

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

Plot Date: 10-Aug-12 9:05 AM
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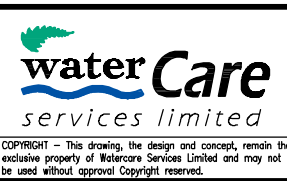
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

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

ASSET MANAGER

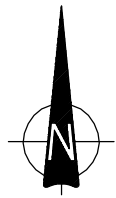
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

WALMSLEY PARK (AS4) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-5.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-5.1	ISSUE A



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
- PROPOSED NOISE BARRIER

Plot Date: 10-Aug-12 8:59 AM
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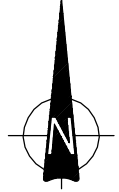
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE			
A	17/08/12	CONSENT ISSUE		AP	PR				

OPERATIONS
 SITE LAYOUT AND DESIGNS INDICATIVE
 ONLY AND SUBJECT TO CHANGE DURING
 DETAILED DESIGN DEVELOPMENT
 ASSET MANAGER
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
 GENERAL**
 WALMSLEY PARK (AS4) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-5.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
1:1000 A3	0538
DRAWING No.	ISSUE
AEE-MAIN-5.2	A



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

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



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ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

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

ASSET MANAGER

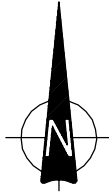
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

MAY ROAD (WS2) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-6.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-6.1	ISSUE A



TYPICAL LAYOUT ELEMENTS

1	CONTRACTORS MAIN OFFICE
2	ENGINEERS MAIN OFFICE
3	PARKING
4	MAIN WORK SHOP
5	COMPRESSOR/GENERATOR
6	SEGMENT STORAGE AREA
7	SPOIL STORAGE AREA
8	WHEEL WASH
9	STAFF CANTEEN
10	CONTAINERS
11	CONTRACTORS ELECTRICAL SUBSTATION
12	WATER TREATMENT PLANT
13	TEMPORARY SHAFT HEAD SHED/NOISE ENCLOSURE

NOTE: CONSTRUCTION SITE LAYOUT IS INDICATIVE ONLY. ACTUAL LAYOUT WILL BE DETERMINED BY CONTRACTOR.

LEGEND

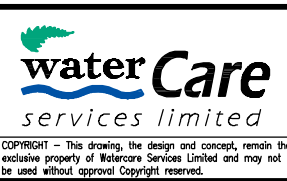
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- LINK SEWER
- CSO COLLECTOR
- CONNECTION PIPELINE
- VENTILATION DUCTS
- EXISTING RETICULATION SEWER
- EXISTING TRUNK SEWER
- EXISTING STORMWATER
- PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND
- NOISE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



Plot Date: 10-Aug-12 9:01 AM
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
BY	DATE				

OPERATIONS
ASSET MANAGER
SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012

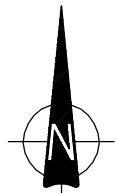


**CENTRAL INTERCEPTOR
GENERAL
MAY ROAD (WS2) - CONSTRUCTION WORKS PLAN**

CAD FILE AEE-MAIN-6.2	DATE 23-May-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-6.2	ISSUE A

Project No.

A	17/08/12	CONSENT ISSUE	AP	PR
ISSUE	DATE	AMENDMENT	BY	APPD.



KEITH HAY PARK

CONTINUED

VIC BUTLER STREET

GREGORY PLACE

ARUNDEL STREET

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: 10-Aug-12 9:19 AM
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

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



CENTRAL INTERCEPTOR GENERAL
 KEITH HAY PARK (AS5) - PERMANENT WORKS PLAN

AEE AUGUST 2012

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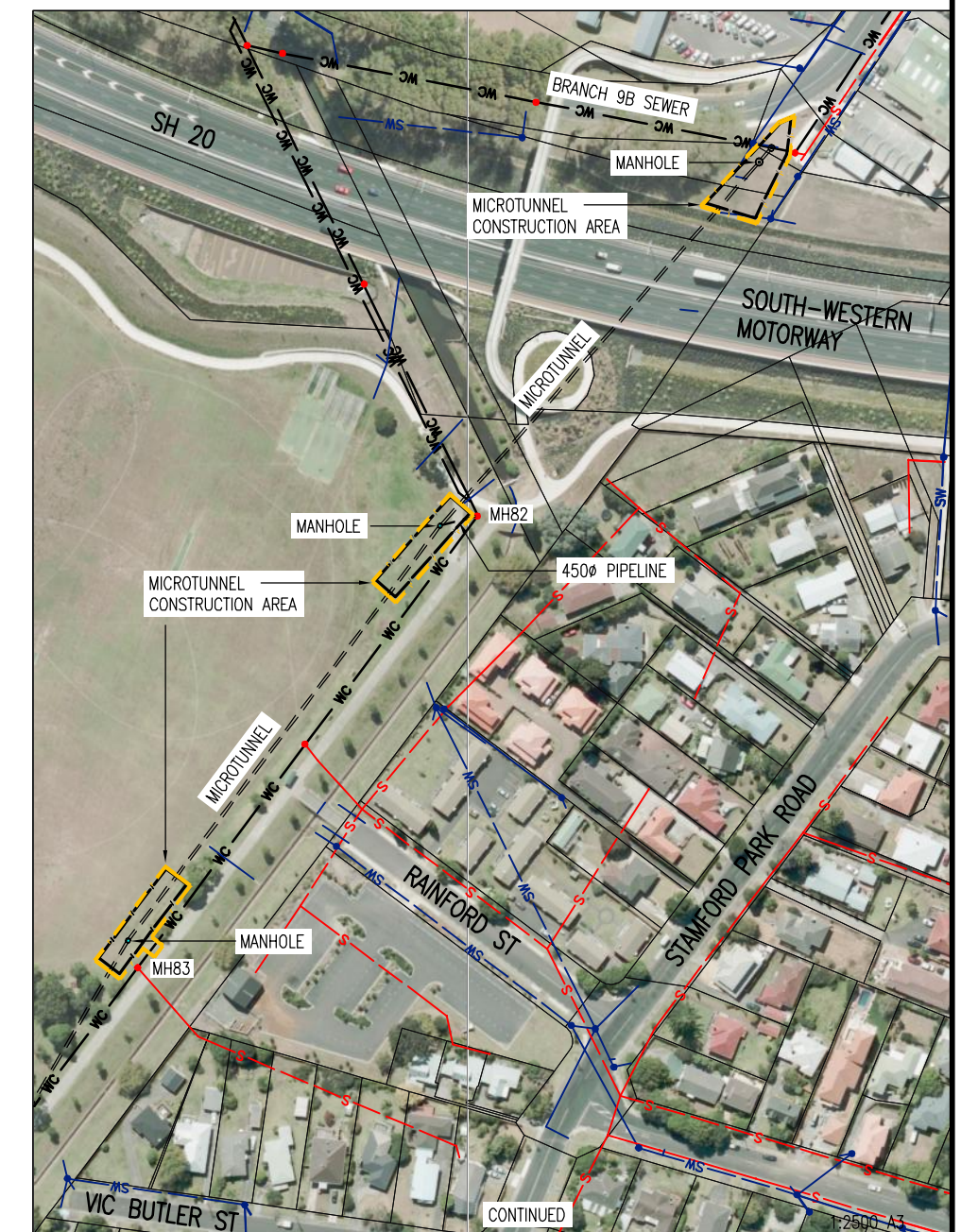
CAD FILE AEE-MAIN-7.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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DRAWING No. AEE-MAIN-7.1	ISSUE A



KEITH HAY PARK

CONTINUED

- 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
 - PROPOSED NOISE BARRIER



Plot Date: 10-Aug-12 9:11 AM
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APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	
			BY	APPD.	DATE

OPERATIONS

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



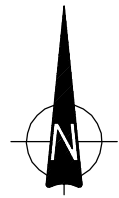
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**CENTRAL INTERCEPTOR
GENERAL**
KEITH HAY PARK (AS5) - CONSTRUCTION WORKS PLAN

AEE AUGUST 2012

CAD FILE AEE-MAIN-7.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-7.2	ISSUE A

Plot Date: 10-Aug-12 9:15 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Consent\General\DWG



NOTES:

1. FOR HYDRAULIC REASONS THE CONNECTION CHAMBER, DROP SHAFT AND ACCESS SHAFT EXTEND ABOVE THE EXISTING GROUND LEVEL TO 6m RL.
2. DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

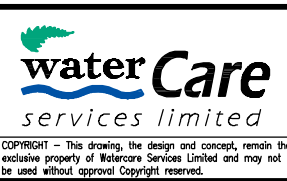
LEGEND

- - - MAIN TUNNEL
- - - LINK SEWER
- - - CSD 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
- - - MEAN HIGH WATER SPRING



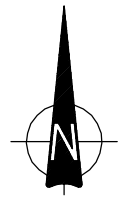
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
 ASSET MANAGER
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
 GENERAL
 PS23 (AS6) - PERMANENT WORKS PLAN**

CAD FILE AEE-MAIN-8.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-8.1	ISSUE A



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
	MEAN HIGH WATER SPRING

Plot Date: 10-Aug-12 9:15 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Consent\General\DWG

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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



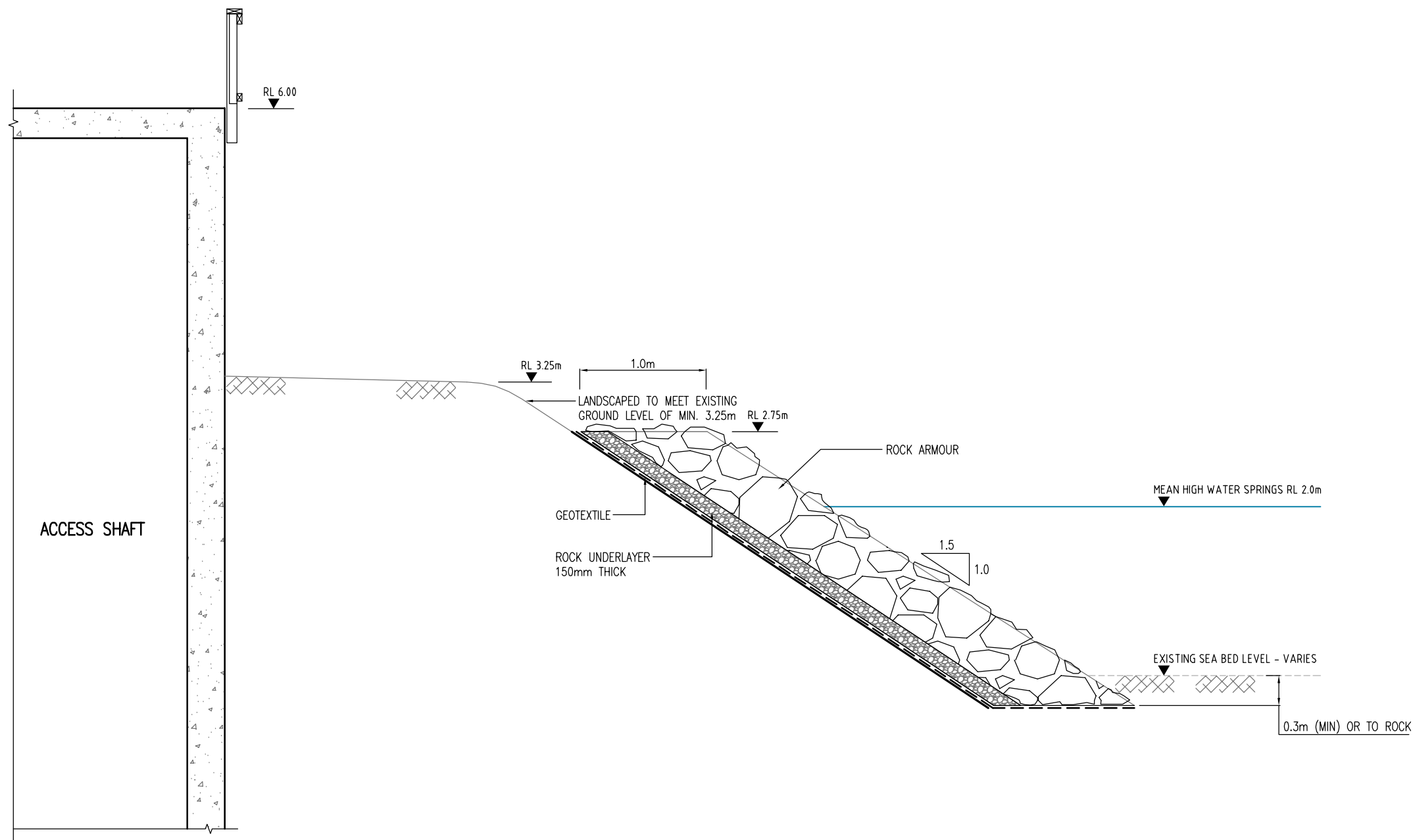
CENTRAL INTERCEPTOR GENERAL

PS23 (AS6) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-8.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-8.2	ISSUE A

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ROCK ARMOUR GRADE:
D_n50=0.35m, W50=113kg
3. LEVEL DATUM: LINZ AUCKLAND DATUM 1946.



TYPICAL SEAWALL DETAIL
SCALE 1:50 A1

Plot Date: 10-Aug-12 9:45 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE_VEE_Consent\General\DWG

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REV'D P.MGR					
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A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

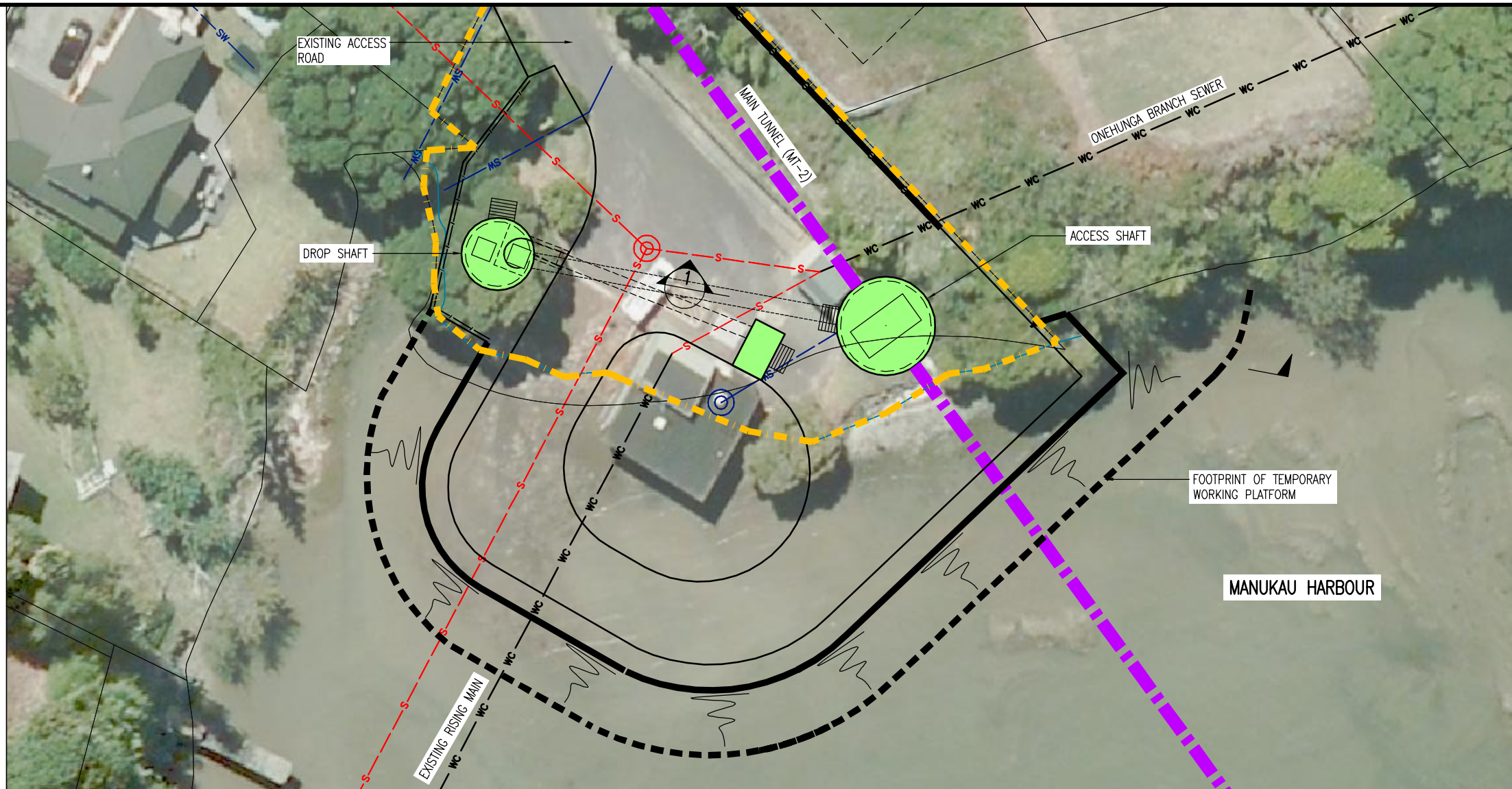
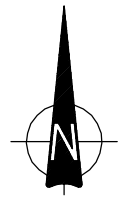
SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT

ASSET MANAGER

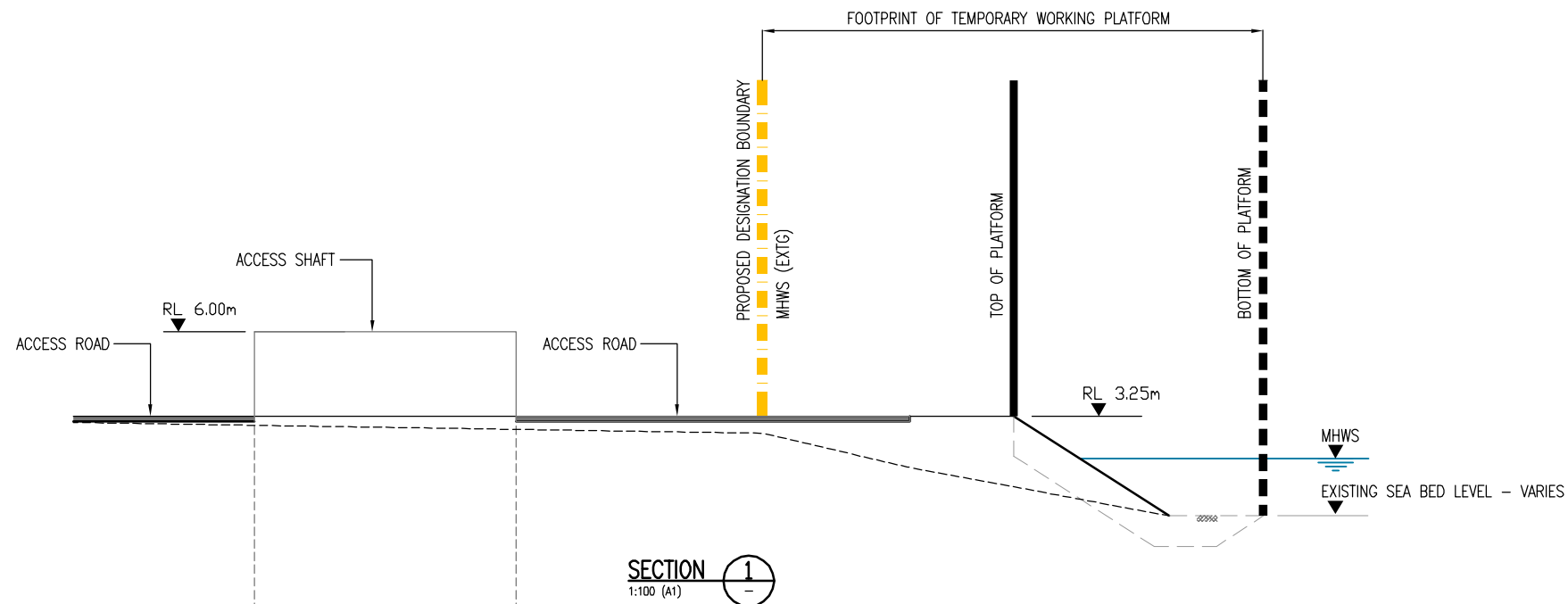
AEE AUGUST 2012



CENTRAL INTERCEPTOR		CAD FILE AEE-MAIN-8.3	DATE 26-Jul-12
PS23		ORIGINAL SCALE A1	CONTRACT No.
SEAWALL DETAIL		1:50 A3	0538
		DRAWING No.	ISSUE
		AEE-MAIN-8.3	A



PLAN
SCALE 1:200 A1



Plot Date: 10-Aug-12 9:46 AM
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

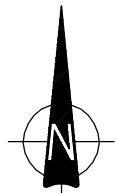
AEE AUGUST 2012



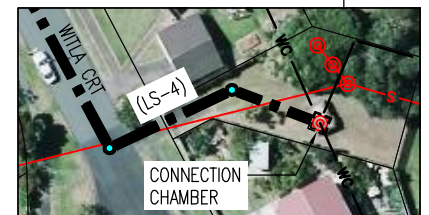
CENTRAL INTERCEPTOR GENERAL

EXTENT OF TEMPORARY WORKS PLATFORM

CAD FILE AEE-MAIN-8.4	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
AS SHOWN	
DRAWING No. AEE-MAIN-8.4	ISSUE A



MANUKAU HARBOUR



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

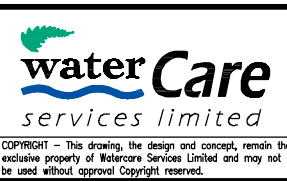
LEGEND

- 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: 10-Aug-12 9:24 AM
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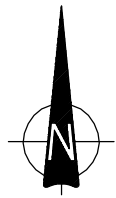
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ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
ASSET MANAGER
SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012

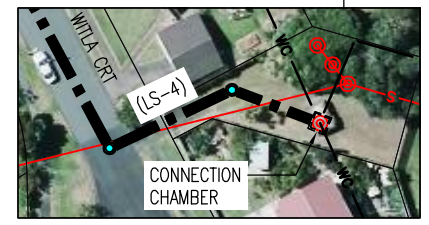
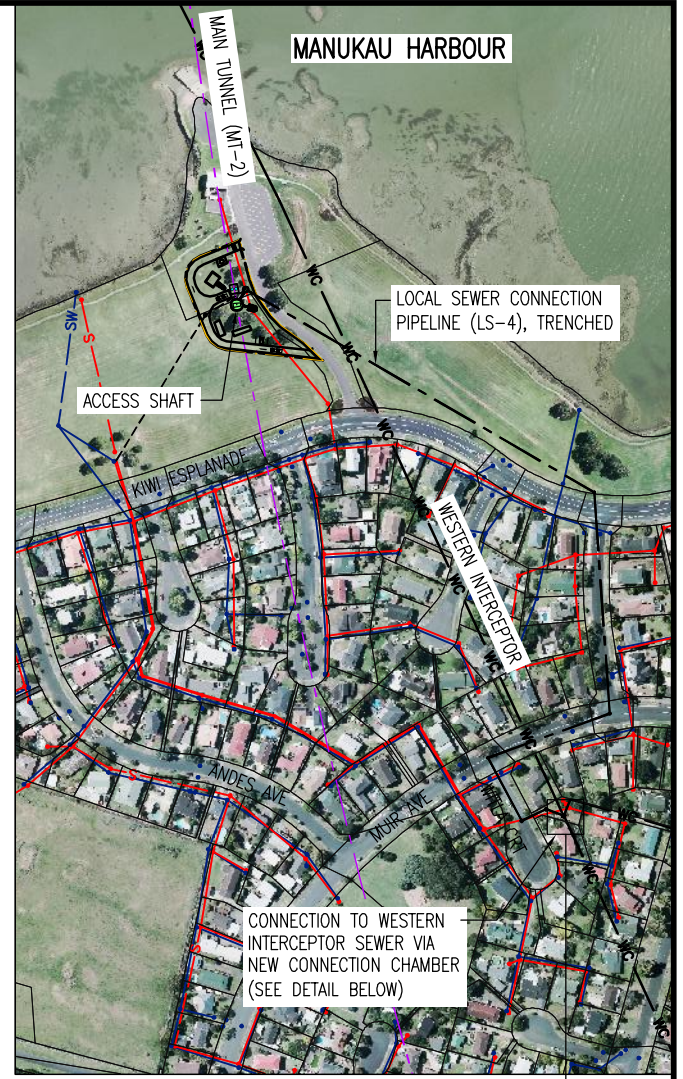


CENTRAL INTERCEPTOR GENERAL
KIWI ESPLANADE UTILITIES (AS7) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-9.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-9.1	ISSUE A



MANUKAU HARBOUR



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: 10-Aug-12 9:26 AM
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

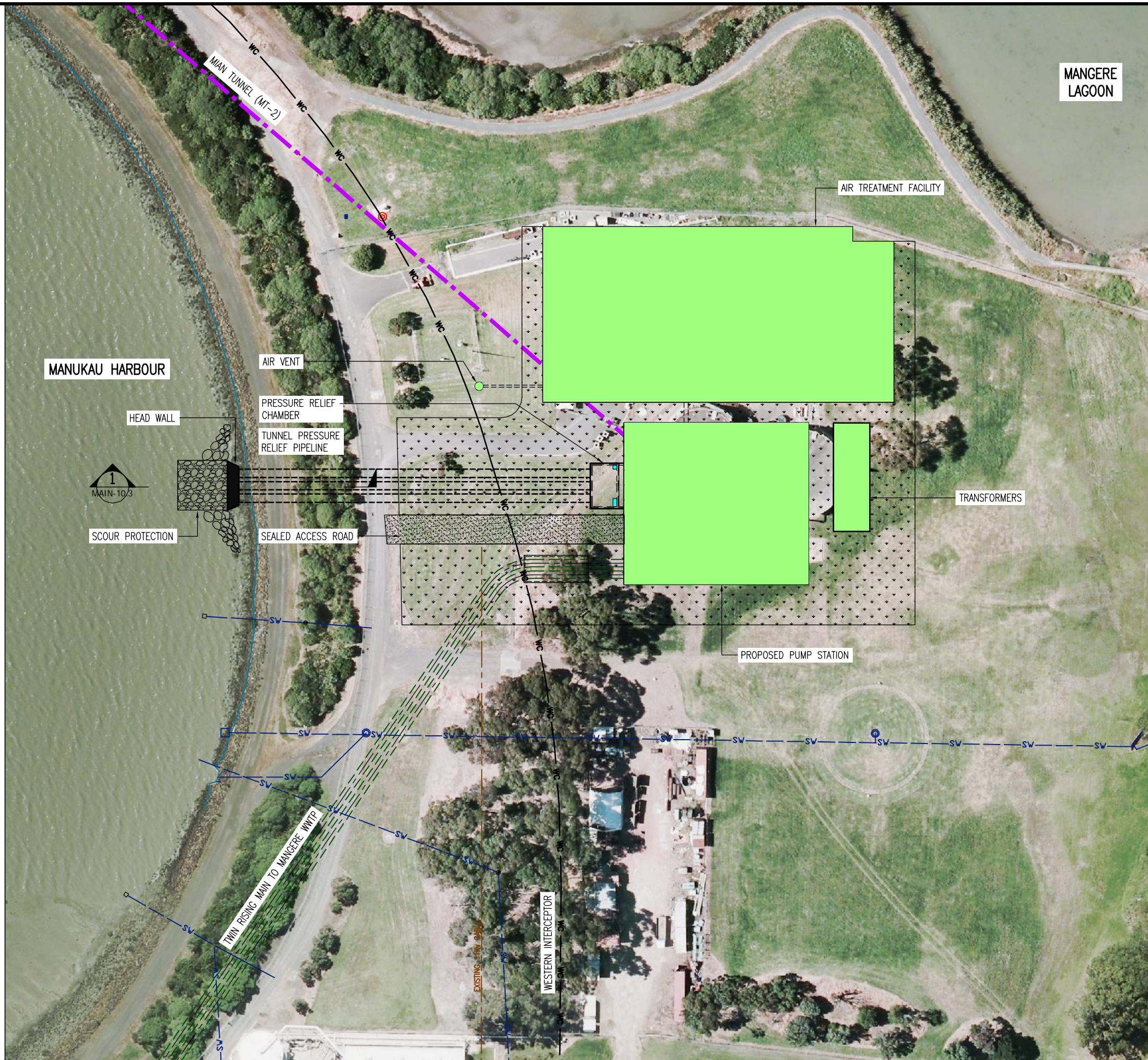
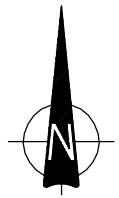
OPERATIONS
 ASSET MANAGER
AEE AUGUST 2012



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**CENTRAL INTERCEPTOR
 GENERAL
 KIWII ESPLANADE (AS7) - CONSTRUCTION WORKS PLAN**

CAD FILE AEE-MAIN-9.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-9.2	ISSUE A



MANGERE LAGOON

MANUKAU HARBOUR

AIR TREATMENT FACILITY

TRANSFORMERS

PROPOSED PUMP STATION

MAIN-10/3

SCOUR PROTECTION

HEAD WALL

AIR VENT

PRESSURE RELIEF CHAMBER

TUNNEL PRESSURE RELIEF PIPELINE

SEALED ACCESS ROAD

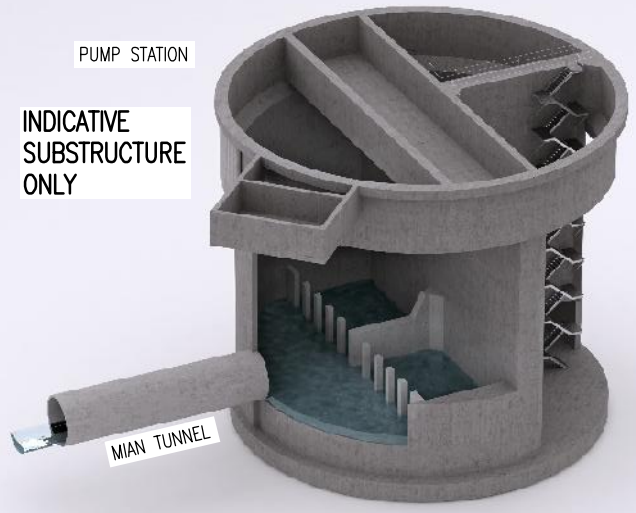
NOTES:

- 1. DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

LEGEND

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

GREENWOOD ROAD
OIL PIPELINE



Plot Date: 10-Aug-12 9:27 AM
File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Concent\General\DWG

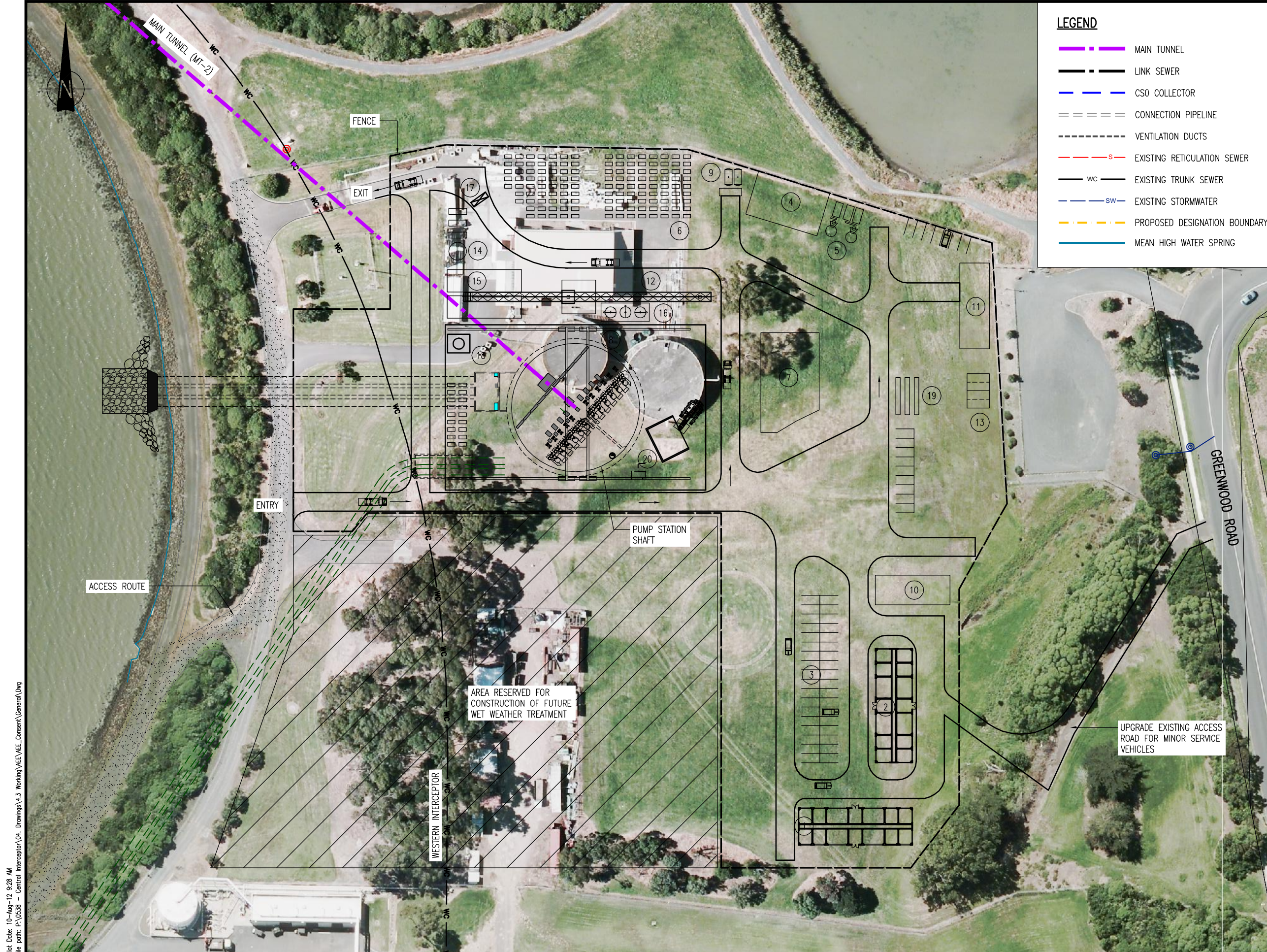
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
ASSET MANAGER
SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL
MANGERE PUMP STATION (WS3) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-10.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-10.1	ISSUE A



LEGEND

- — — — — MAIN TUNNEL
- — — — — LINK SEWER
- — — — — CSO COLLECTOR
- = = = = = CONNECTION PIPELINE
- - - - - VENTILATION DUCTS
- — — — — EXISTING RETICULATION SEWER
- — — — — WC EXISTING TRUNK SEWER
- — — — — SW EXISTING STORMWATER
- - - - - PROPOSED DESIGNATION BOUNDARY
- — — — — MEAN HIGH WATER SPRING

DESCRIPTION	
1	CONTRACTORS MAIN OFFICE
2	ENGINEERS MAIN OFFICE
3	PARKING
4	MAIN WORK SHOP
5	COMPRESSOR/GENERATOR
6	SEGMENT STORAGE AREA
7	SPOIL STORAGE AREA
8	GANTRY CRANE
9	DISTRIBUTION DIESEL SYSTEM
10	STAFF CANTEEN 1
11	STAFF CANTEEN 2
12	GROUTING PLANT
13	CONTAINER LAY DOWNS
14	CONTRACTORS ELECTRICAL SUBSTATION
15	WATER TREATMENT PLANT
16	TOWER CRANE
17	WHEEL WASH
18	COOLING TOWER
19	RAIL AND PIPE LAY DOWNS
20	MUCK BIN



Plot Date: 10-Aug-12 9:28 AM
 File path: P:\0538 - Central Interceptor\04 Drawings\4.3 Working\AEE\AEE_Consept\General\DWG

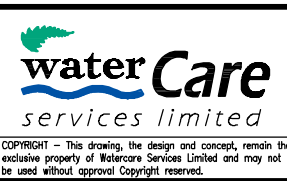
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012

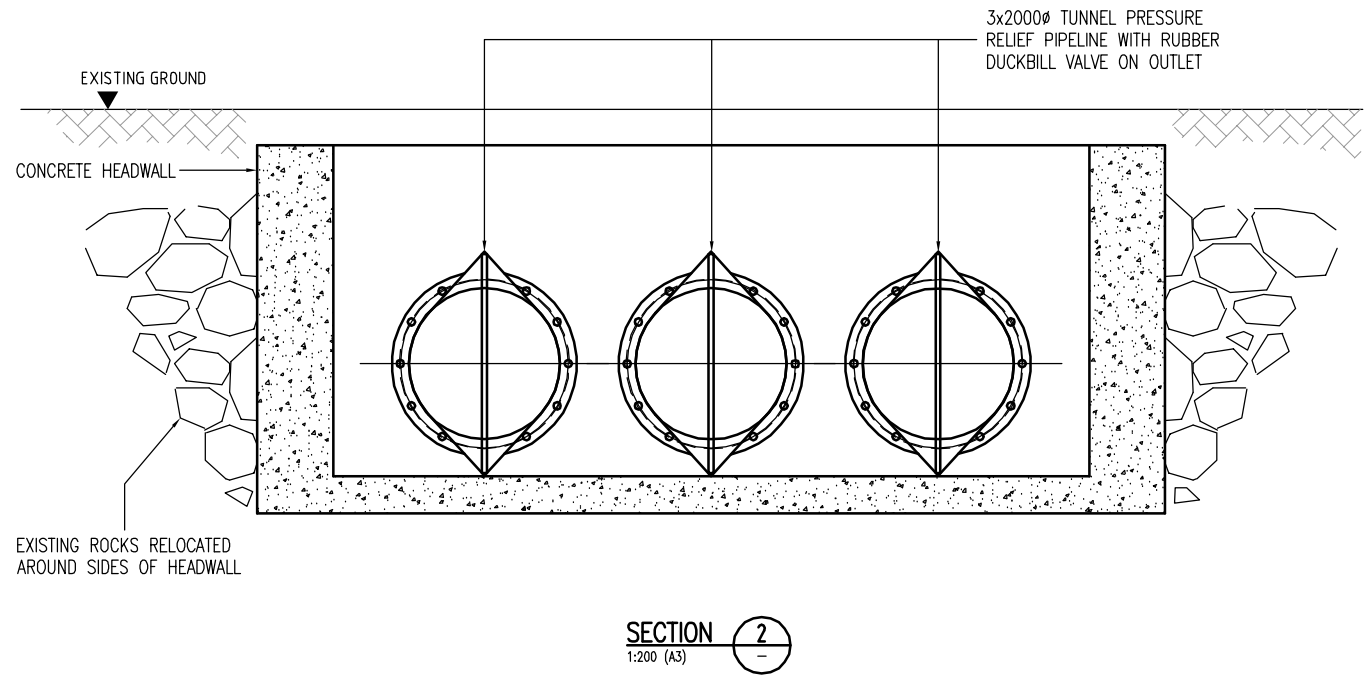
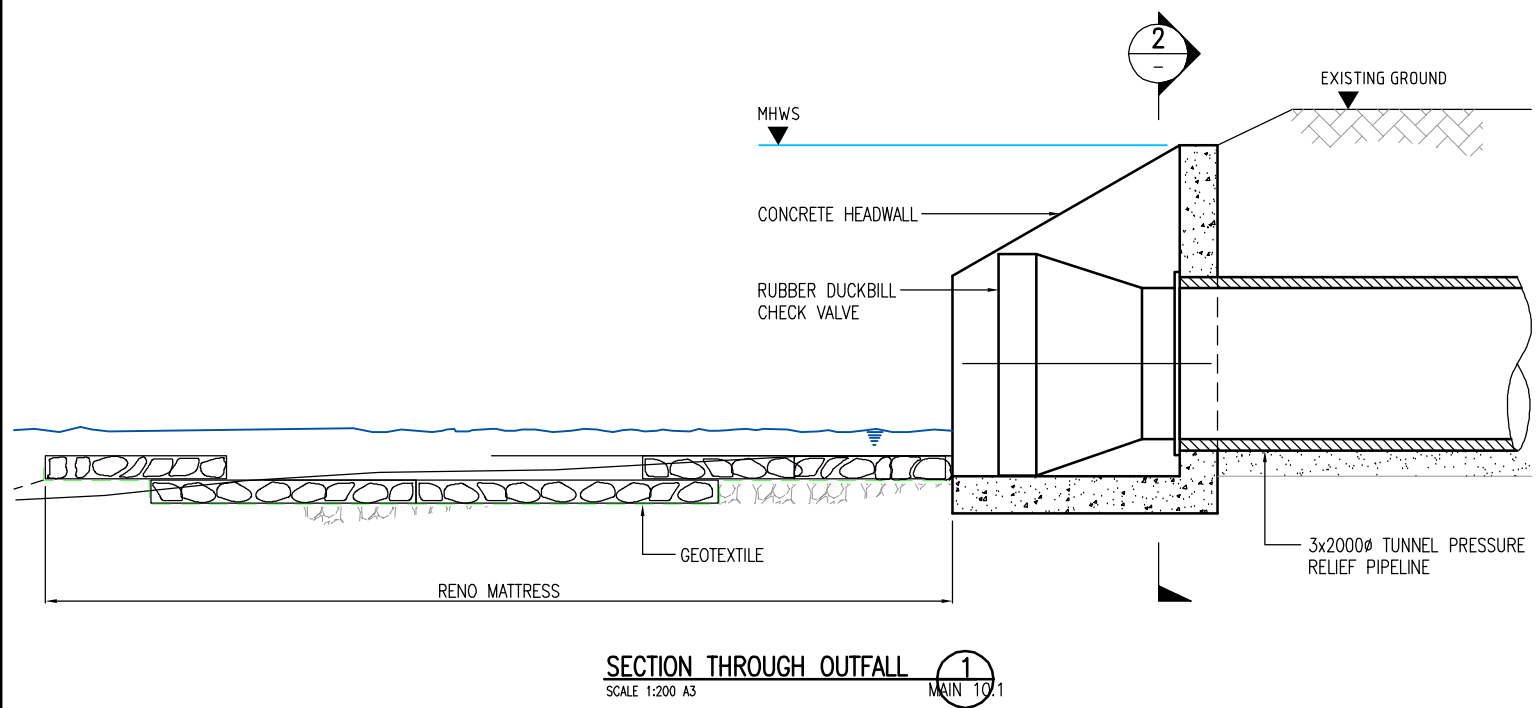


CENTRAL INTERCEPTOR GENERAL

MANGERE PUMP STATION (WS3) - CONSTRUCTION WORKS PLAN


CAD FILE AEE-MAIN-10.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-10.2	ISSUE A

Plot Date: 10-Aug-12 9:28 AM
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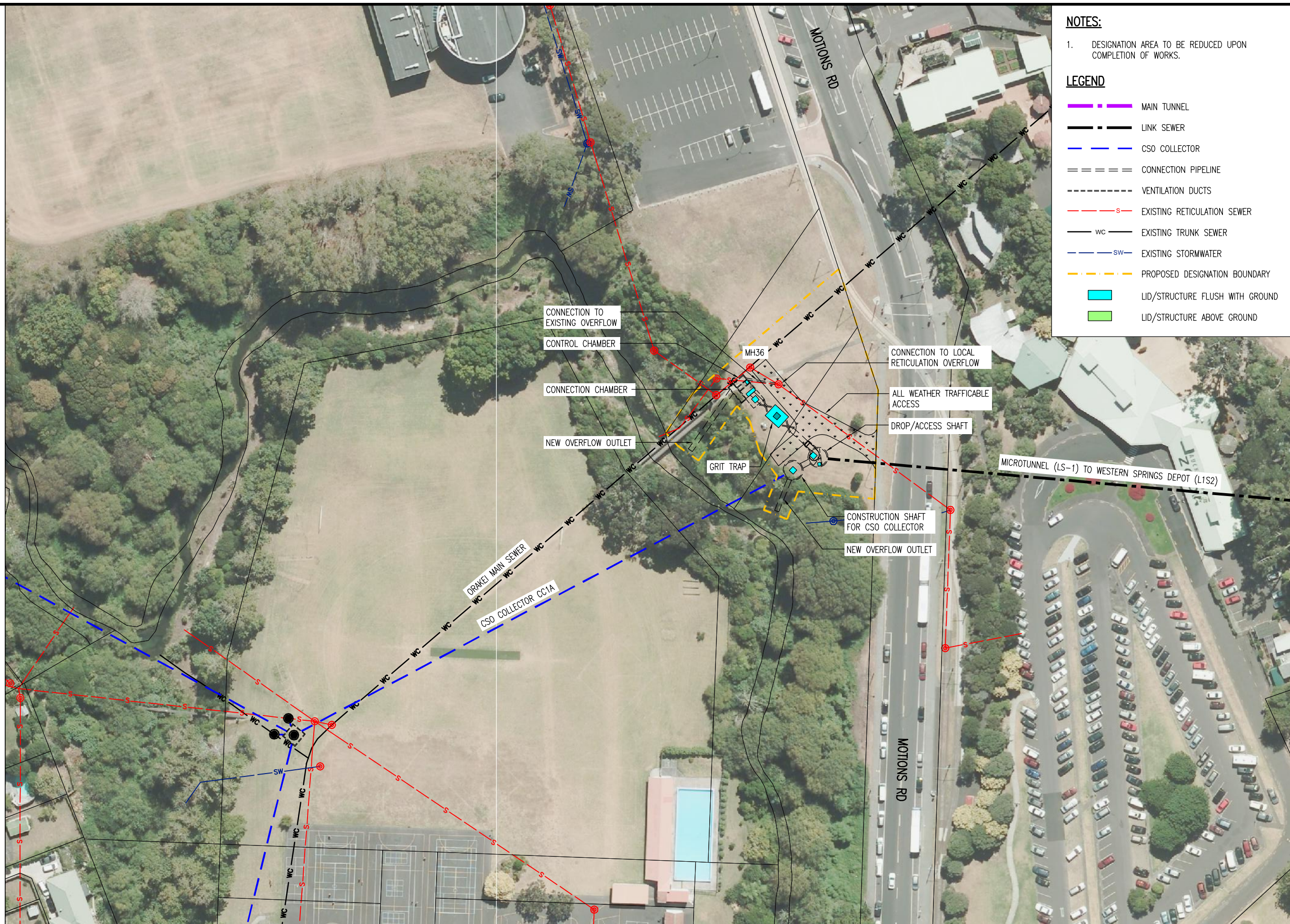
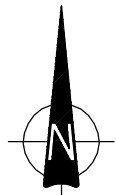
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APP'D P.DIR	CC						
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR	CC	

OPERATIONS
 ASSET MANAGER
AEE AUGUST 2012


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**CENTRAL INTERCEPTOR
 MANGERE PUMP STATION (WS3)
 EMERGENCY PRESSURE RELIEF**

CAD FILE AEE-MAIN-10.3	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:200 A3	
DRAWING No. AEE-MAIN-10.3	ISSUE A



- 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: 10-Aug-12 9:29 AM
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APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

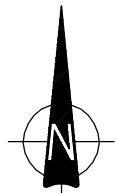
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

MOTIONS ROAD (L1S1) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-11.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-11.1	ISSUE A



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: 10-Aug-12 9:30 AM
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APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

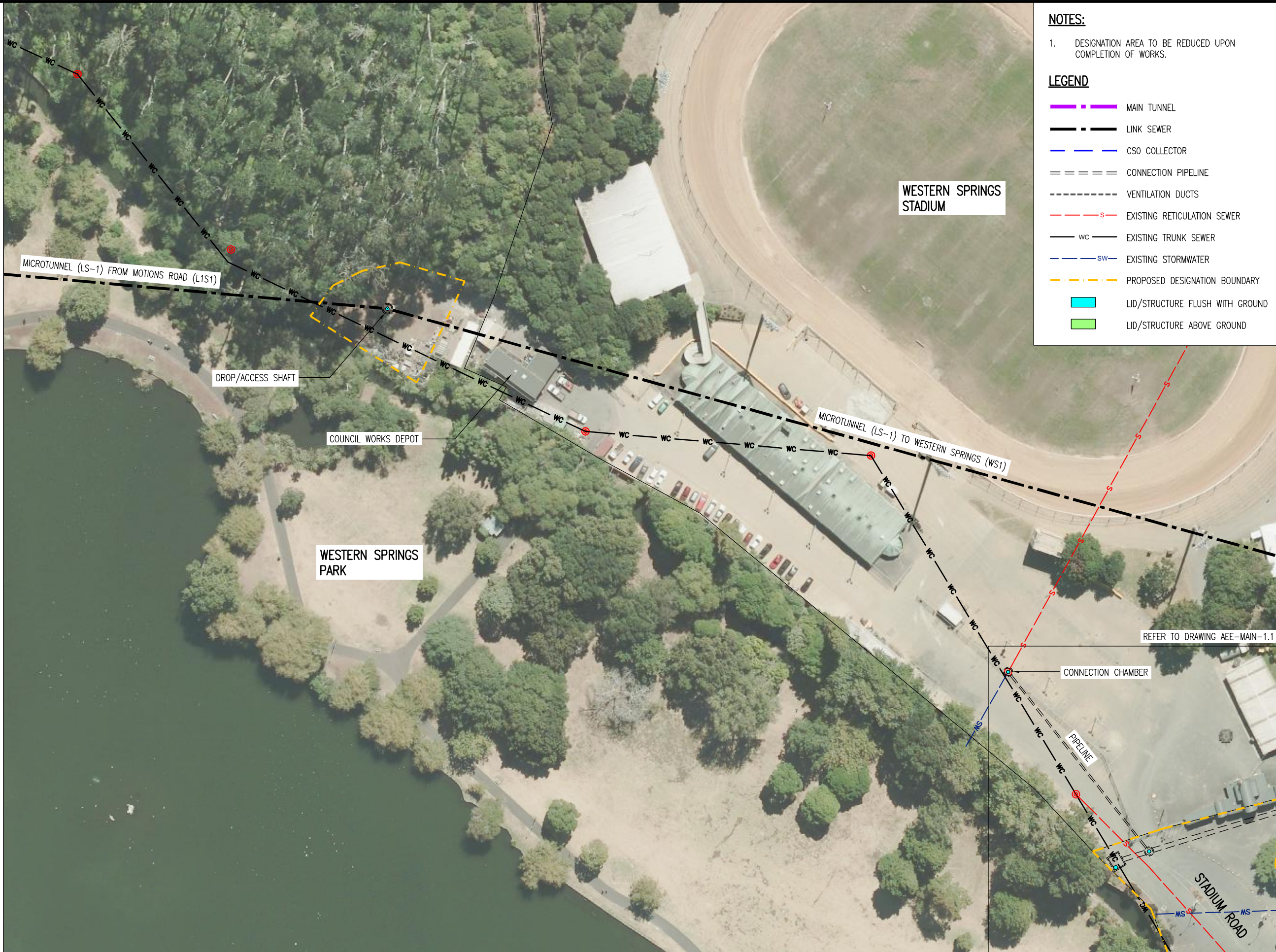
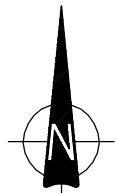
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

MOTIONS ROAD (L1S1) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-11.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-11.2	ISSUE A



- NOTES:**
- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.
- LEGEND**
- MAIN TUNNEL
 - LINK SEWER
 - CSO COLLECTOR
 - CONNECTION PIPELINE
 - VENTILATION DUCTS
 - S EXISTING RETICULATION SEWER
 - WC EXISTING TRUNK SEWER
 - SW EXISTING STORMWATER
 - PROPOSED DESIGNATION BOUNDARY
 - LID/STRUCTURE FLUSH WITH GROUND
 - LID/STRUCTURE ABOVE GROUND

Plot Date: 10-Aug-12 9:32 AM
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APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
ASSET MANAGER

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

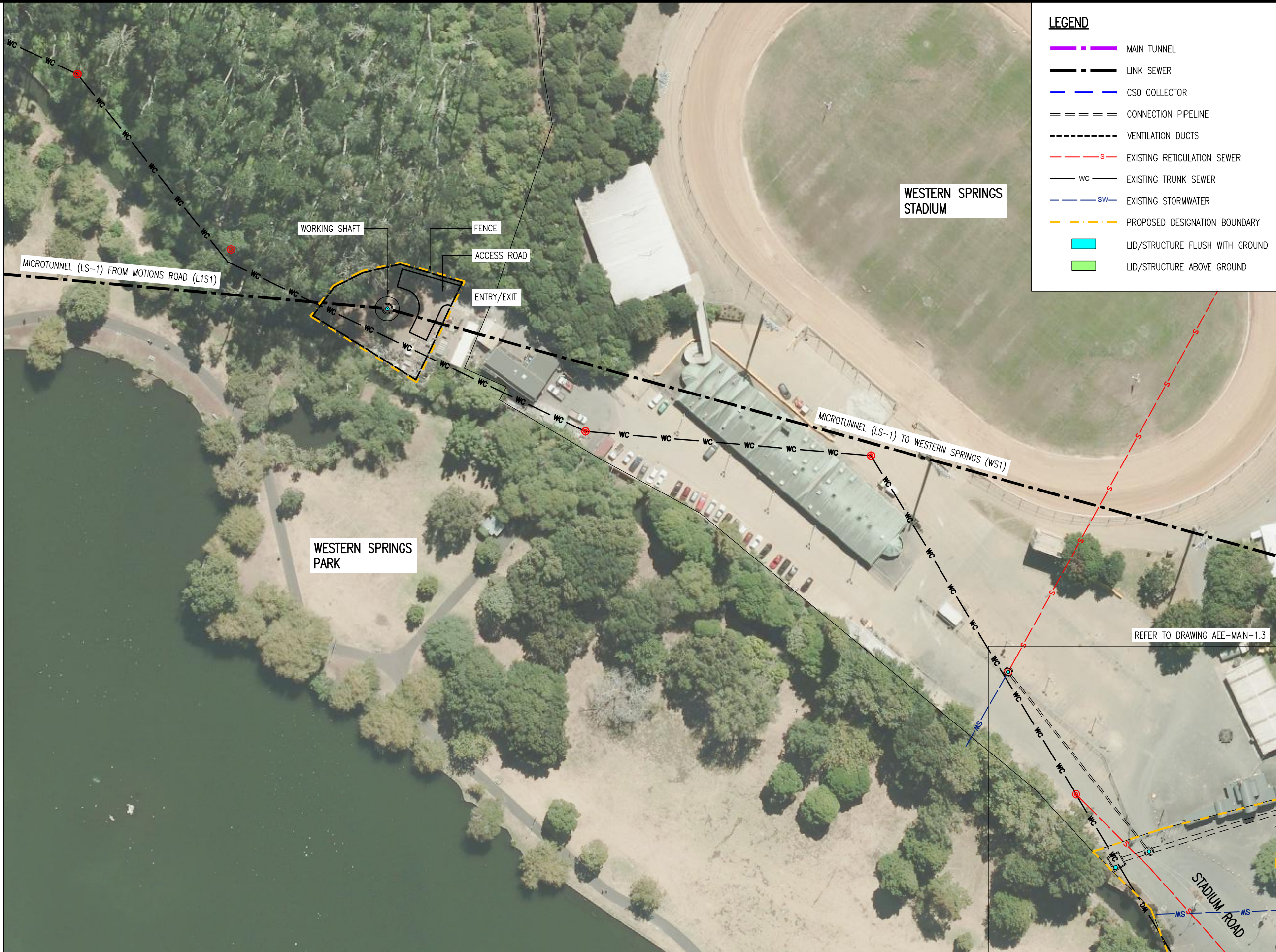
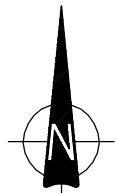
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

WESTERN SPRINGS DEPOT (L1S2) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-12.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-12.1	ISSUE A



LEGEND

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

Plot Date: 10-Aug-12 9:33 AM
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

WESTERN SPRINGS DEPOT (L1S2) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-12.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-12.2	ISSUE A



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

LEGEND

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

Plot Date: 10-Aug-12 9:33 AM
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APP'D P.DIR	CC				
BY			DATE		

OPERATIONS

ASSET MANAGER

OVERFLOW PIPELINE FROM SITE LAYOUT A LOCAL RETICULATION ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT

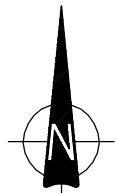
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

RAWALPINDI RESERVE (L2S1) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-13.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-13.1	ISSUE A



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
	PROPOSED NOISE BARRIER EXTENT

Plot Date: 10-Aug-12 9:34 AM
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
BY			DATE		

OPERATIONS
ASSET MANAGER

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

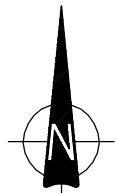
AEE AUGUST 2012



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**CENTRAL INTERCEPTOR
GENERAL
RAWALPINDI RESERVE (L2S1) - CONSTRUCTION WORKS PLAN**

CAD FILE AEE-MAIN-13.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-13.2	ISSUE A



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: 10-Aug-12 9:35 AM
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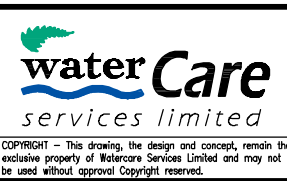
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

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

ASSET MANAGER

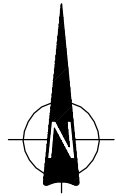
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
GENERAL**

NORGROVE AVENUE (L2S2) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-14.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-14.1	ISSUE A



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
- — — — PROPOSED NOISE BARRIER
- - - - MOBILE/TEMPORARY NOISE BARRIER

NOTES:

1. MOBILE NOISE BARRIER USED TO SCREEN LOCAL WORKS AT REAR OF VERONA ST PROPERTIES.

Plot Date: 10-Aug-12 9:36 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Consept\General\DWG

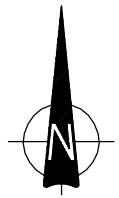
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	ASSET MANAGER		
A	17/08/12	CONSENT ISSUE		AP	PR				

OPERATIONS
 ASSET MANAGER
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
 GENERAL**
 NORGROVE AVENUE (L2S2) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-14.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
1:1000 A3	0538
DRAWING No.	ISSUE
AEE-MAIN-14.2	A



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

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: 10-Aug-12 9:36 AM
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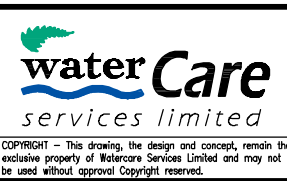
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012

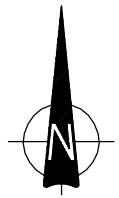


CENTRAL INTERCEPTOR

GENERAL

PS25 (L3S1) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-15.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-15.1	ISSUE A



- 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: 10-Aug-12 9:37 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\A.3_Working\AEE_Main_Concept\General.Dwg

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DRAWN	AP	<i>[Signature]</i>			
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REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
ASSET MANAGER

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

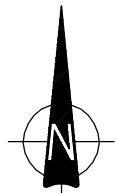
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
GENERAL**

PS25 (L3S1) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-15.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-15.2	ISSUE A



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: 10-Aug-12 9:38 AM
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DRAWN	AP	<i>[Signature]</i>			
DWG. CHECKED	NL		08/12		
REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

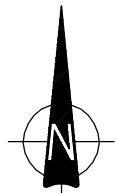
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

MIRANDA RESERVE (L3S2) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-16.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:500 A3	
DRAWING No. AEE-MAIN-16.1	ISSUE A



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
	PROPOSED NOISE BARRIER

Plot Date: 10-Aug-12 9:39 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Concent\General\DWG

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DES. CHECKED	JS		08/12		
DRAWN	AP				
DWG. CHECKED	NL		08/12		
REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

MIRANDA RESERVE (L3S2) - CONSTRUCTION WORKS PLAN

CAD FILE	AEE-MAIN-16.2	DATE	26-Jul-12
ORIGINAL SCALE	A1	CONTRACT No.	0538
1:500 A3		DRAWING No.	ISSUE
AEE-MAIN-16.2		A	



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

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: 10-Aug-12 9:39 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\A.13_Working\AEE\AEE_Concent\General\DWG

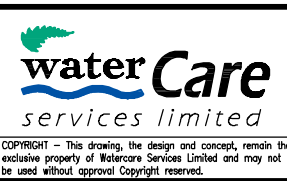
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ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

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

ASSET MANAGER

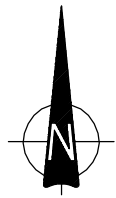
AEE AUGUST 2012



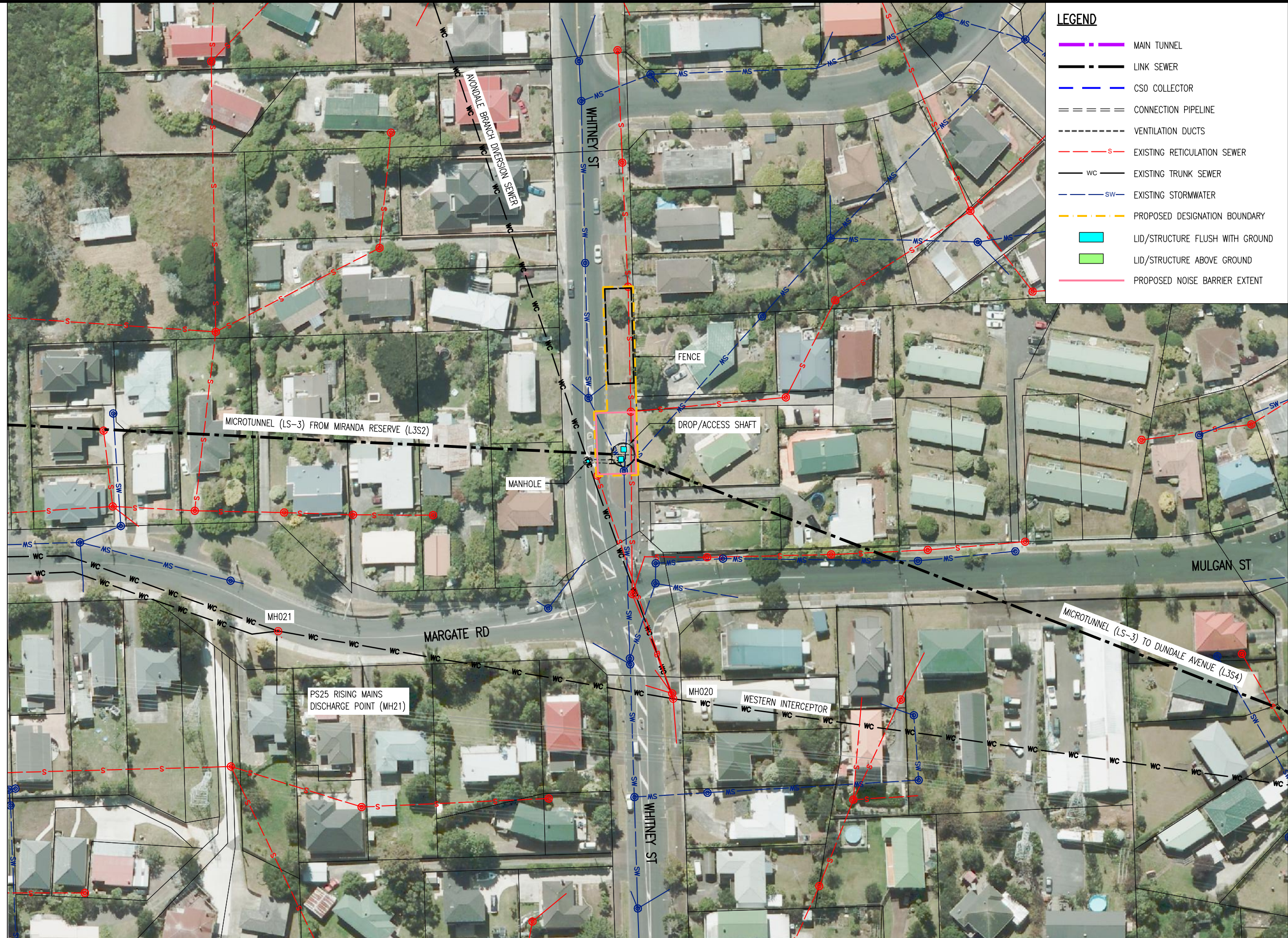
CENTRAL INTERCEPTOR GENERAL

WHITNEY STREET (L3S3) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-17.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-17.1	ISSUE A



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
	PROPOSED NOISE BARRIER EXTENT



Plot Date: 10-Aug-12 9:40 AM
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REV'D P.MGR	JS				
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

WHITNEY STREET (L3S3) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-17.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-17.2	ISSUE A



- 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: 10-Aug-12 9:41 AM
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ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



**CENTRAL INTERCEPTOR
GENERAL**

DUNDLE AVENUE (L3S4) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-18.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-18.1	ISSUE A



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
	PROPOSED NOISE BARRIER

Plot Date: 10-Aug-12 9:42 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Consent\General\DWG

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DRAWN	AP				
DWG. CHECKED	NL		08/12		
REV'D P.MGR	JS				
APP'D P.DIR	CC				
BY	DATE				

OPERATIONS
ASSET MANAGER

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

AEE AUGUST 2012



**CENTRAL INTERCEPTOR
GENERAL
DUNDALE AVENUE (L3S4) - CONSTRUCTION WORKS PLAN**

CAD FILE AEE-MAIN-18.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-18.2	ISSUE A



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: 10-Aug-12 9:42 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\A.13_Working\AEE\AEE_Concent\General\DWG

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DWG. CHECKED	NL		08/12		
REV'D P.MGR	JS				
APP'D P.DIR	CC				
BY	DATE				

OPERATIONS

ASSET MANAGER

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

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**CENTRAL INTERCEPTOR
GENERAL**
 HAYCOCK AVENUE (L3S5) - PERMANENT WORKS PLAN

CAD FILE AEE-MAIN-19.1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. AEE-MAIN-19.1	ISSUE A



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
	PROPOSED NOISE BARRIER



Plot Date: 10-Aug-12 9:43 AM
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012

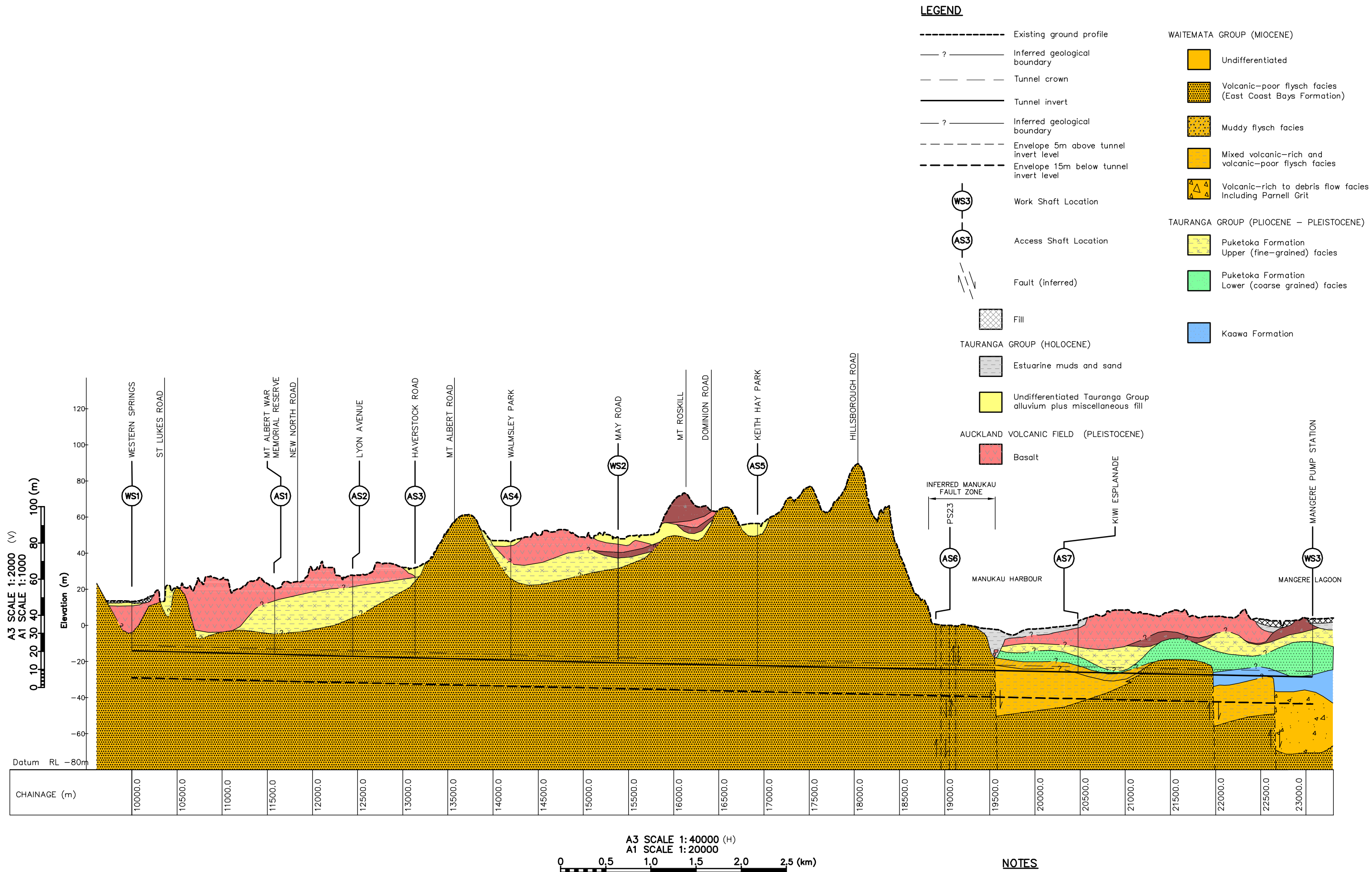


CENTRAL INTERCEPTOR GENERAL

HAYCOCK AVENUE (L3S5) - CONSTRUCTION WORKS PLAN

CAD FILE AEE-MAIN-19.2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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DRAWING No. AEE-MAIN-19.2	ISSUE A

Plot Date: 10-Aug-12 9:46 AM
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DES. CHECKED	KJH		08/12		
DRAWN	JATG				
DWG. CHECKED	KJH		08/12		
REV'D P.MGR	JBS				
APP'D P.DIR					
ISSUE	DATE	AMENDMENT	BY	APPD.	DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

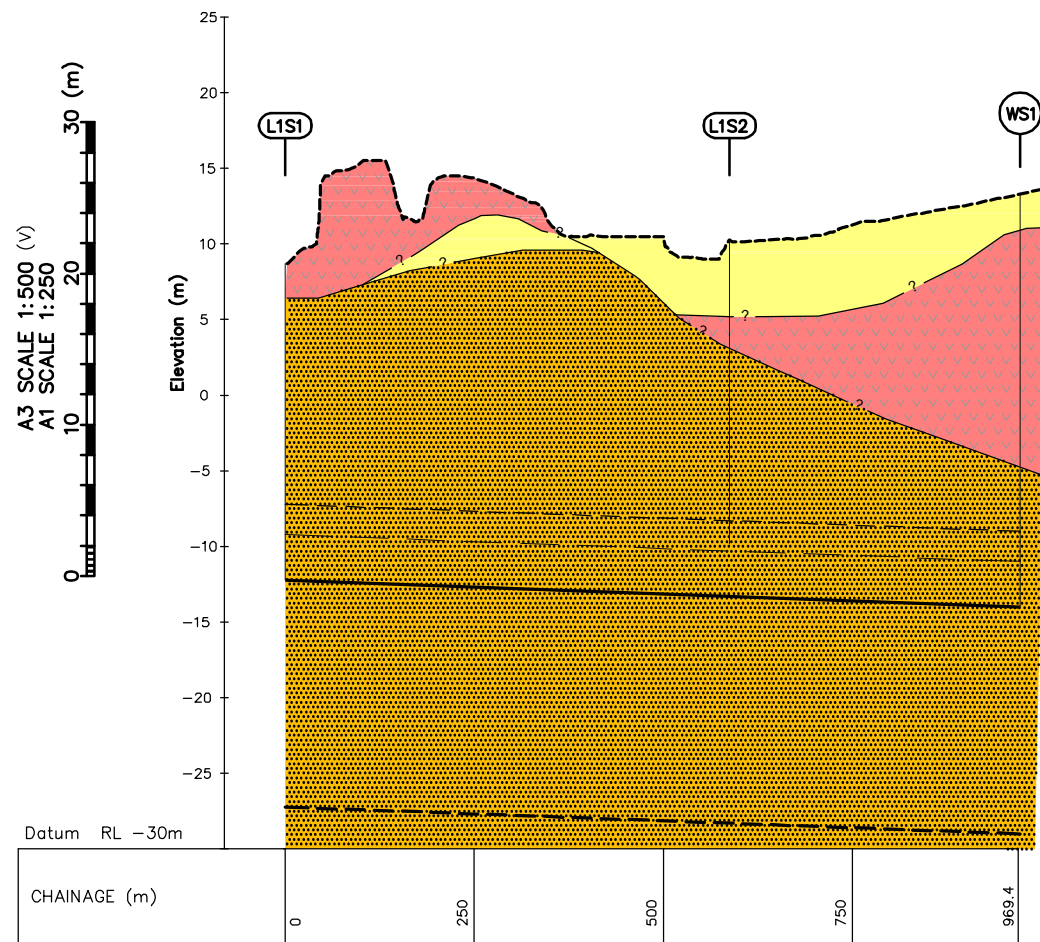
OPERATIONS
 ASSET MANAGER
 SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012



CENTRAL INTERCEPTOR AND ASSOCIATED WORKS
GEOTECHNICAL CONDITIONS
 GEOLOGICAL SECTION, MAIN TUNNEL

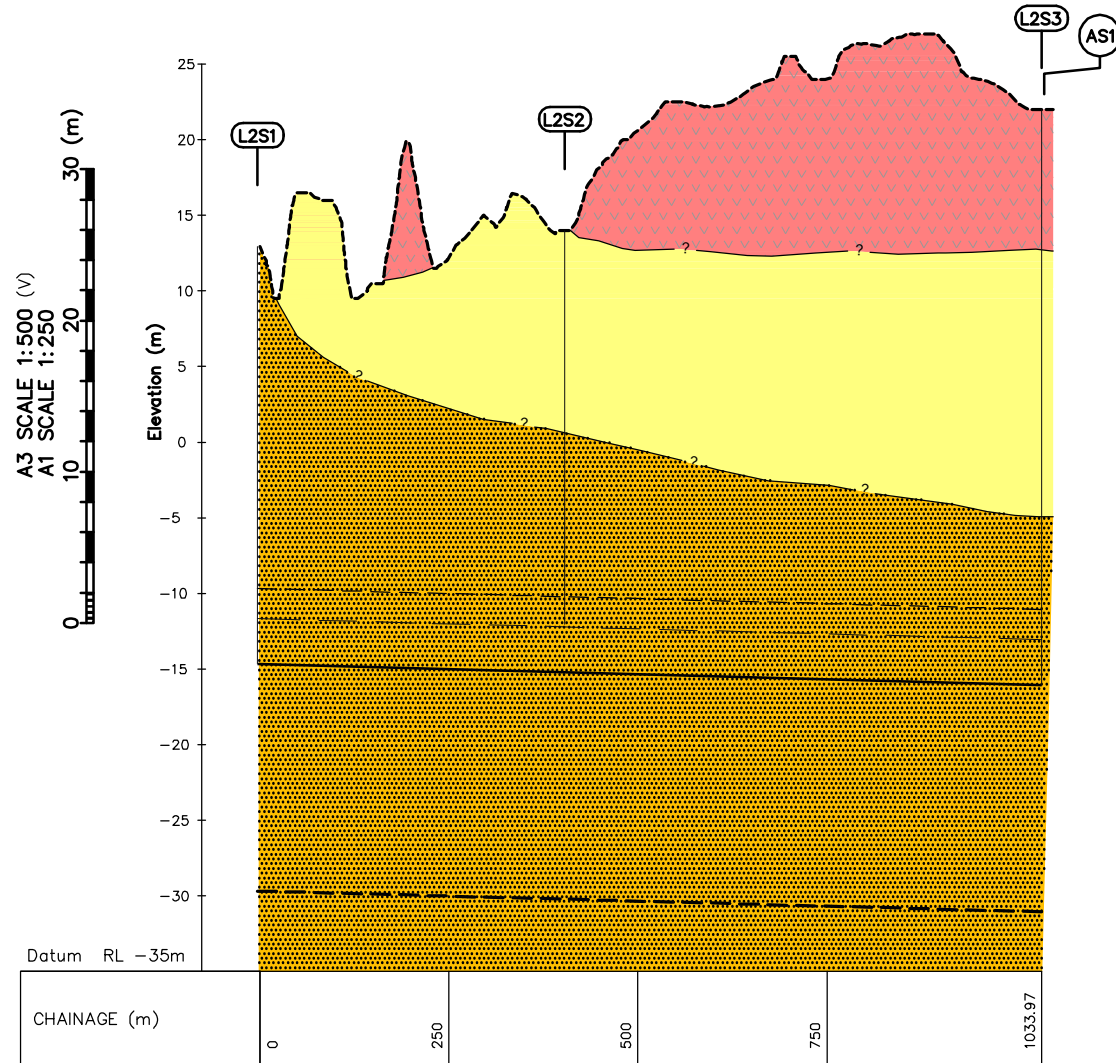
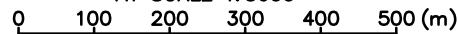
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ORIGINAL SCALE A1	CONTRACT No. 0538
AS SHOWN	
DRAWING No. AEE-MAIN-20	ISSUE A

Plot Date: 10-Aug-12 9:46 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\A3_Working\AEE\Consent\General\DWG



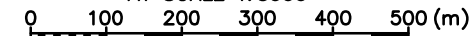
LINK SEWER LS1

A3 SCALE 1:10000 (H)
A1 SCALE 1:5000



LINK SEWER LS2

A3 SCALE 1:10000 (H)
A1 SCALE 1:5000



LEGEND

- Existing ground profile
- - - Inferred geological boundary
- - - Tunnel crown
- Tunnel invert
- - - Inferred geological boundary
- - - Envelope 5m above tunnel invert level
- - - Envelope 15m below tunnel invert level
- WS3 Work Shaft Location
- AS3 Access Shaft Location
- - - Fault (inferred)
- ▨ Fill
- TAURANGA GROUP (HOLOCENE)
- ▨ Estuarine muds and sand
- ▨ Undifferentiated Tauranga Group alluvium plus miscellaneous fill
- AUCKLAND VOLCANIC FIELD (PLEISTOCENE)
- ▨ Basalt
- ▨ Tuff / Ash / Scoria
- WAITEMATA GROUP (MIOCENE)
- ▨ Undifferentiated
- ▨ Volcanic-poor flysch facies (East Coast Bays Formation)
- ▨ Muddy flysch facies
- ▨ Mixed volcanic-rich and volcanic-poor flysch facies
- ▨ Volcanic-rich to debris flow facies including Parnell Grit
- TAURANGA GROUP (PLIOCENE - PLEISTOCENE)
- ▨ Puketoka Formation Upper (fine-grained) facies
- ▨ Puketoka Formation Lower (coarse grained) facies
- ▨ Kaawa Formation

NOTES

- All dimensions are in metres unless noted otherwise.
- The ground surface topography is based on Lidar data supplied by ALGGi.

Project No.

DESIGNED	KJH				
DES. CHECKED	KJH		08/12		
DRAWN	JATG				
DWG. CHECKED	KJH		08/12		
REV'D P.MGR	JBS				
APP'D P.DIR					
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
ASSET MANAGER

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

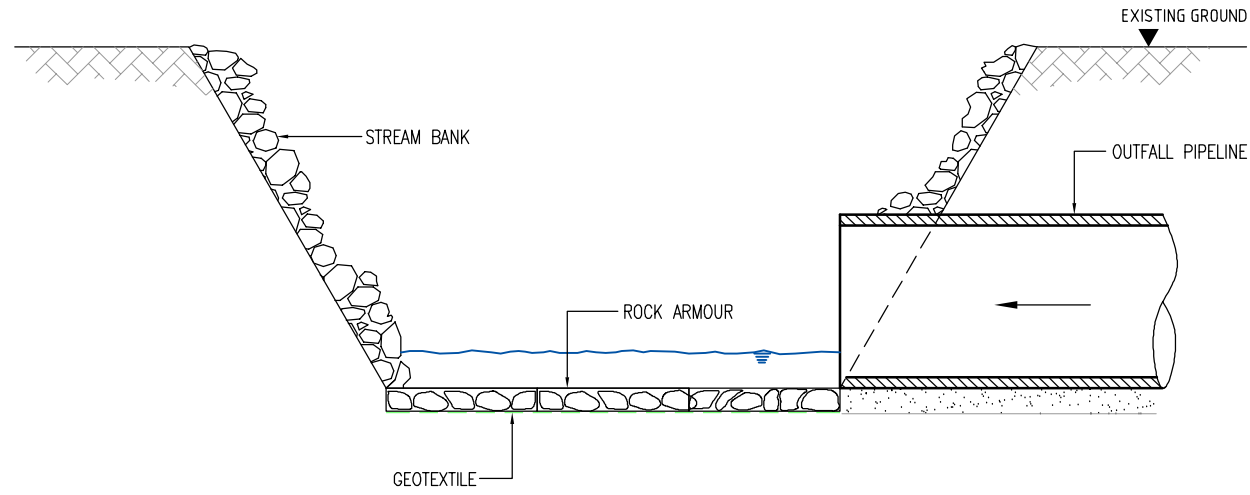
AEE AUGUST 2012



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CENTRAL INTERCEPTOR AND ASSOCIATED WORKS
GEOTECHNICAL CONDITIONS
 GEOLOGICAL SECTIONS, LINK SEWERS LS1 AND LS2

CAD FILE AEE-MAIN-21	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
AS SHOWN	0538
DRAWING No.	ISSUE
AEE-MAIN-21	A



TYPICAL SECTION THROUGH OUTFALL
SCALE 1:200 A3

Plot Date: 10-Aug-12 9:46 AM
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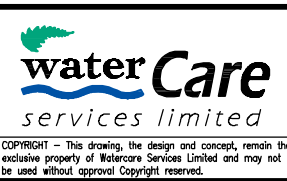
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APP'D P.DIR	CC						
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	ASSET MANAGER
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR	CC	

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012

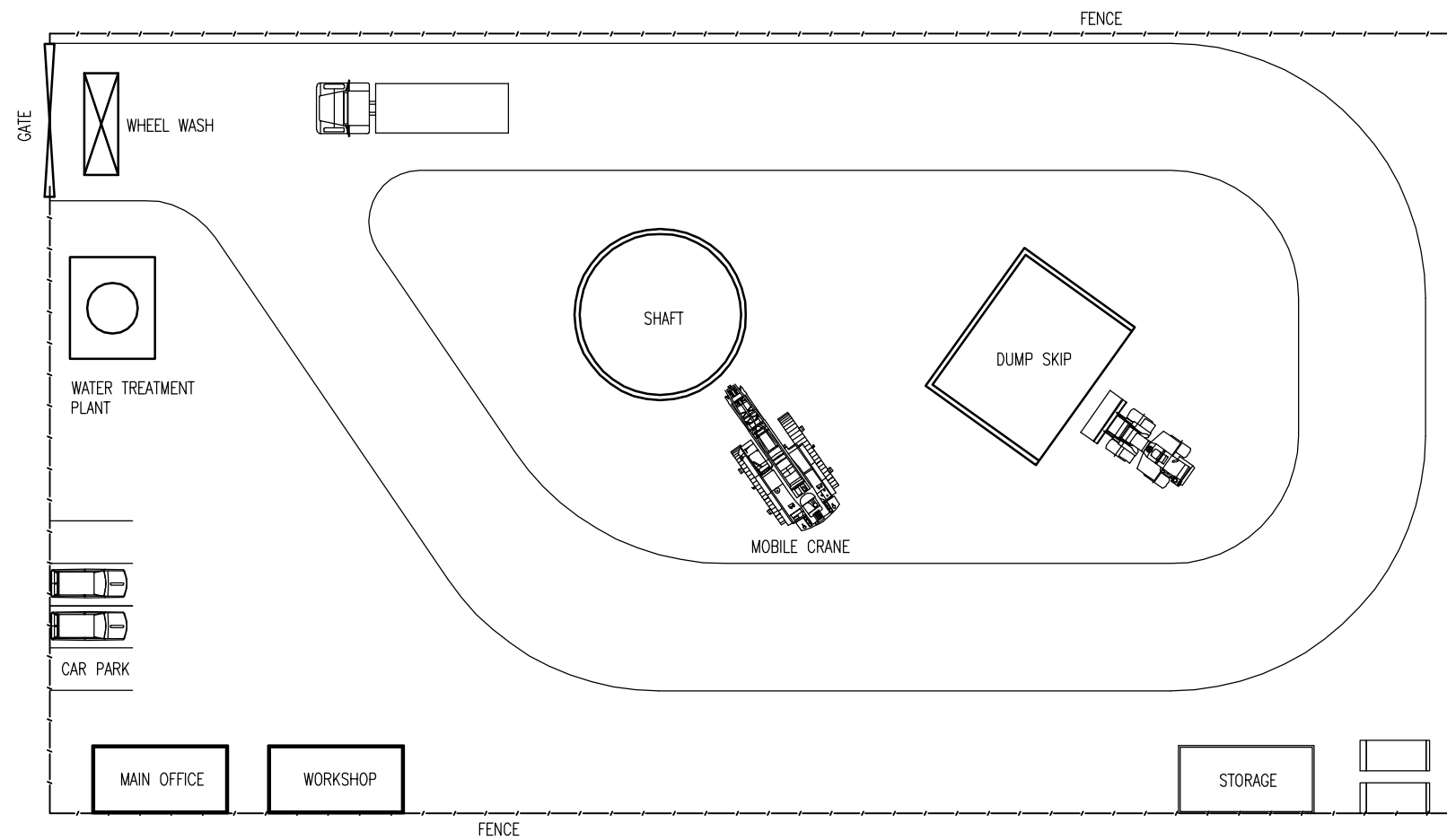


CENTRAL INTERCEPTOR OVERFLOWS

TYPICAL DETAIL

CAD FILE AEE-MAIN-23	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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DRAWING No. AEE-MAIN-23	ISSUE A

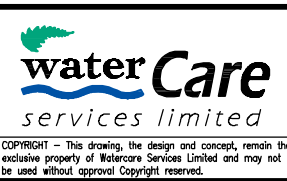
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PLAN
 TYPICAL CONSTRUCTION WORKS SITE PLAN

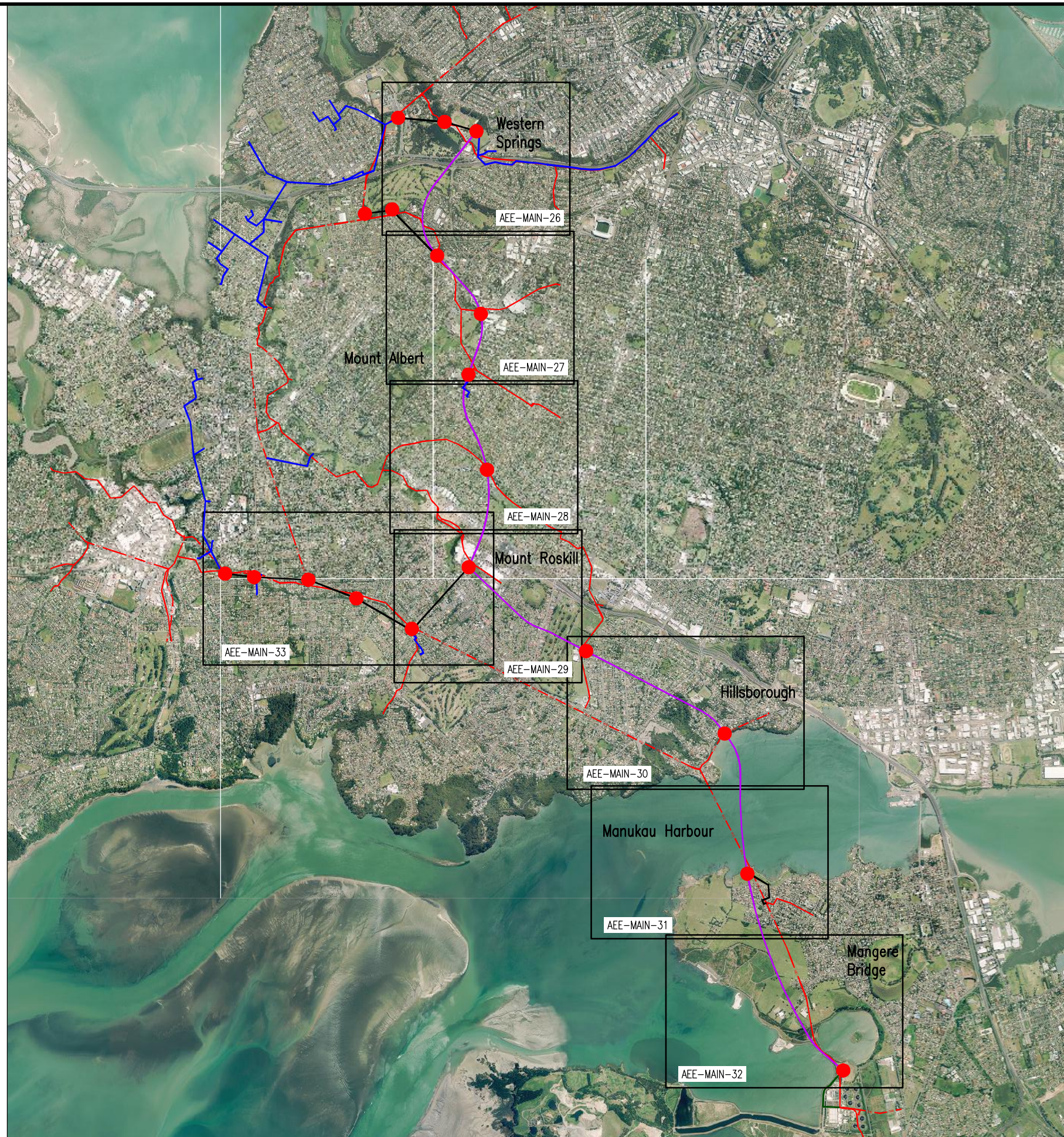
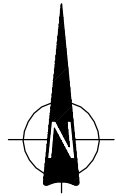
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	ASSET MANAGER	
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR	CC		

OPERATIONS
 ASSET MANAGER
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
 TYPICAL SITE WORKS
 CONSTRUCTION SITE WORKS PLAN**

CAD FILE AEE-MAIN-24	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
NTS	0538
DRAWING No.	ISSUE
AEE-MAIN-24	A



LEGEND

- MAIN TUNNEL (MT)
- LINK SEWER (LS)
- CSO COLLECTOR (CC)
- RISING MAIN
- SHAFT
- - - EXISTING WATERCARE TRUNK SEWER NETWORK

Plot Date: 10-Aug-12 9:47 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE-Consent\General\DWG

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REV'D P.MGR	JS				
APP'D P.DIR	CC				
ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012

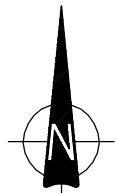


CENTRAL INTERCEPTOR

GENERAL

SHEET LOCATION PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWER

CAD FILE AEE-MAIN-25	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
1:50000 A3	0538
DRAWING No.	ISSUE
AEE-MAIN-25	A



LEGEND

- MAIN TUNNEL (MT)
- LINK SEWER (LS)
- CSO COLLECTOR (CC)
- RISING MAIN
- SHAFT
- EXISTING WATERCARE TRUNK SEWER NETWORK
- CONSTRUCTION CORRIDOR

Plot Date: 10-Aug-12 9:54 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\A.1_Working\AEE_Main_Concept\General.Dwg

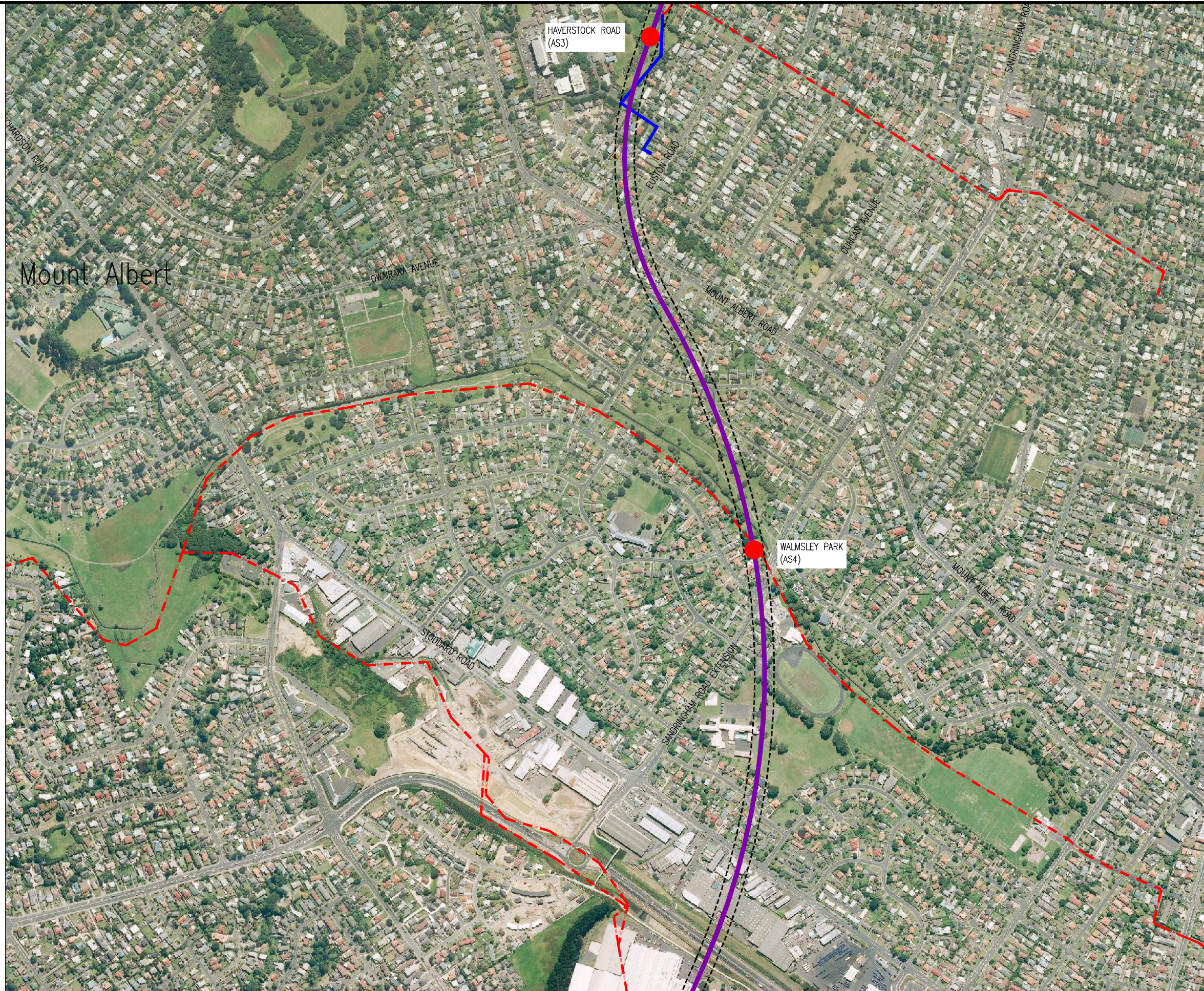
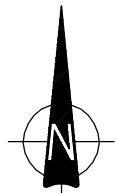
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APP'D P.DIR	CC								
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	ASSET MANAGER		
A	17/08/12	CONSENT ISSUE		AP	PR				

OPERATIONS
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AEE AUGUST 2012


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CENTRAL INTERCEPTOR
GENERAL
 LAYOUT PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWERS - Sheet 1

CAD FILE AEE-MAIN-26	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
1:8000 A3	0538
DRAWING No.	ISSUE
AEE-MAIN-26	A



LEGEND

- MAIN TUNNEL (MT)
- LINK SEWER (LS)
- CSO COLLECTOR (CC)
- RISING MAIN
- SHAFT
- EXISTING WATERCARE TRUNK SEWER NETWORK
- CONSTRUCTION CORRIDOR

Plot Date: 10-Aug-12 9:54 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\A3_Working\AEE\AEE_Concent\General\DWg

DESIGNED	NL								
DES. CHECKED	JS		08/12						
DRAWN	AP								
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REV'D P.MGR	JS								
APP'D P.DIR	CC								
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE			

OPERATIONS
ASSET MANAGER

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

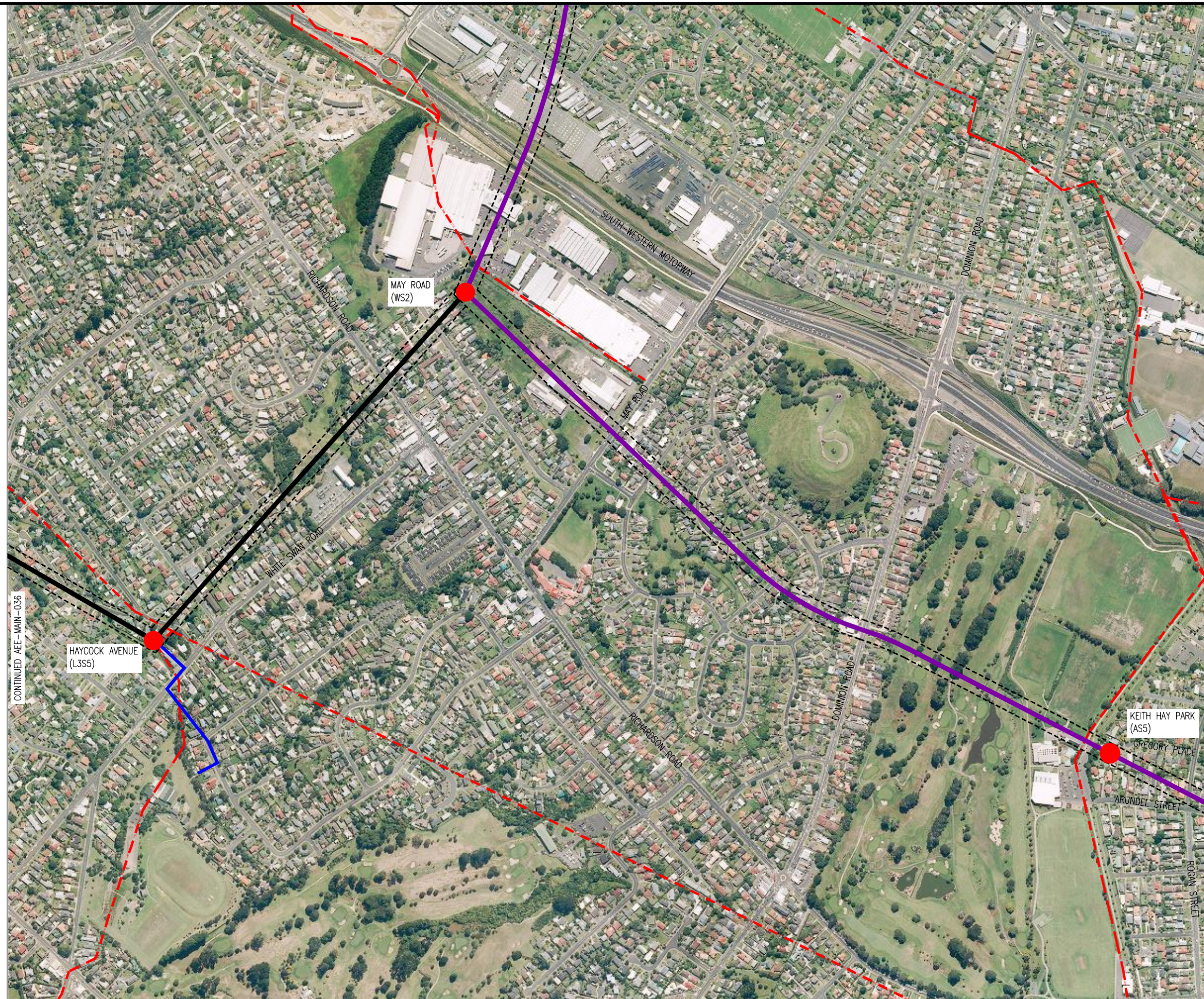
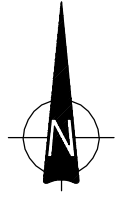
AEE AUGUST 2012



CENTRAL INTERCEPTOR
GENERAL

LAYOUT PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWERS - Sheet 3

CAD FILE AEE-MAIN-28	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
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DRAWING No.	ISSUE
AEE-MAIN-28	A



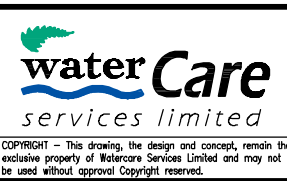
LEGEND

- MAIN TUNNEL (MT)
- LINK SEWER (LS)
- CSO COLLECTOR (CC)
- RISING MAIN
- SHAFT
- EXISTING WATERCARE TRUNK SEWER NETWORK
- CONSTRUCTION CORRIDOR

Plot Date: 10-Aug-12 9:54 AM
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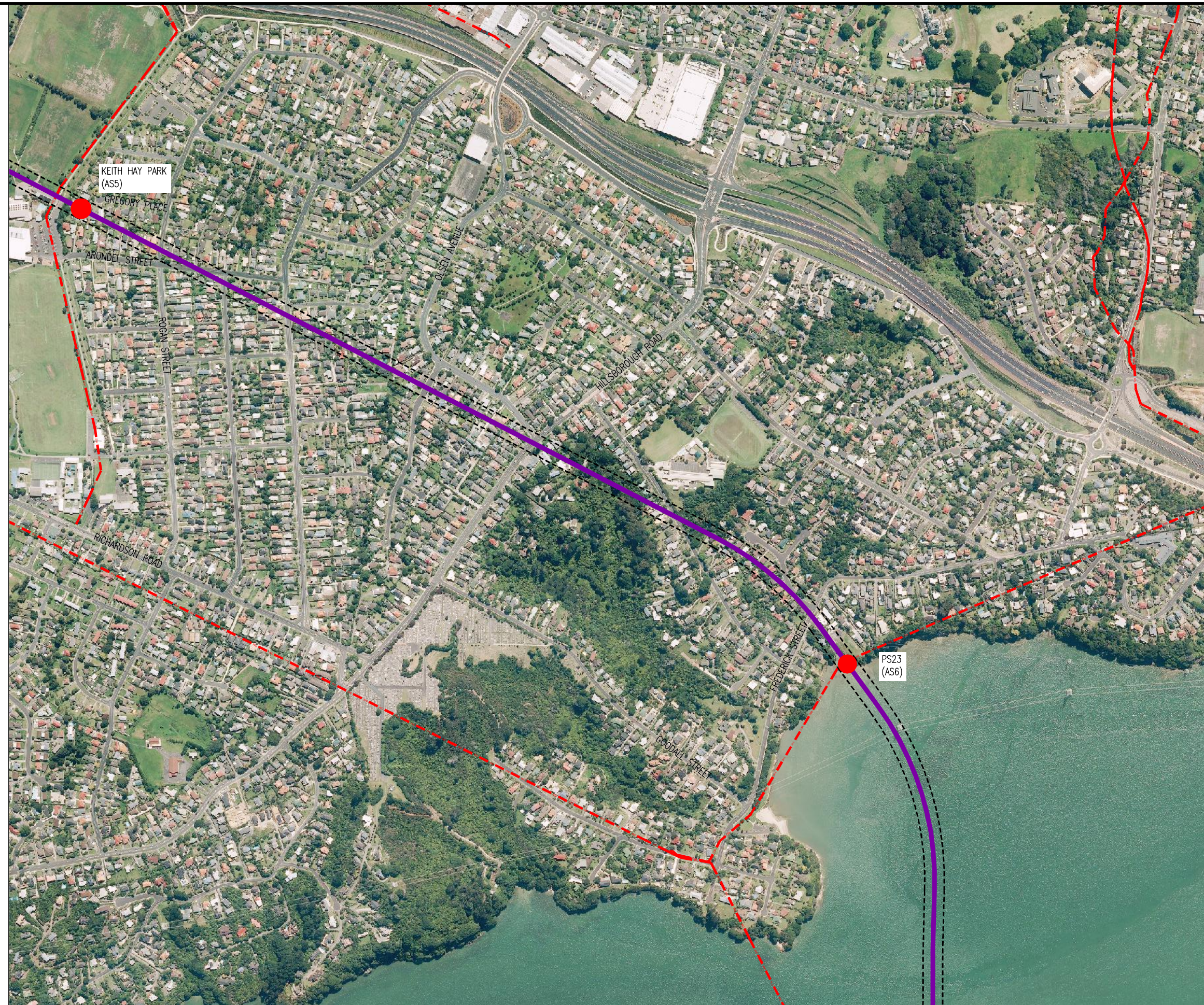
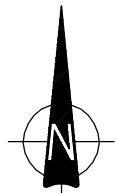
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE	ASSET MANAGER		
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR	CC			

OPERATIONS
 SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
 ASSET MANAGER
AEE AUGUST 2012










CENTRAL INTERCEPTOR
GENERAL
 LAYOUT PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWERS - Sheet 4



CAD FILE AEE-MAIN-29	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
1:8000 A3	0538
DRAWING No.	ISSUE
AEE-MAIN-29	A



LEGEND

	MAIN TUNNEL (MT)
	LINK SEWER (LS)
	CSO COLLECTOR (CC)
	RISING MAIN
	SHAFT
	EXISTING WATERCARE TRUNK SEWER NETWORK
	CONSTRUCTION CORRIDOR

Plot Date: 10-Aug-12 9:55 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Concent\General\DWG

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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

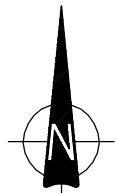
AEE AUGUST 2012



CENTRAL INTERCEPTOR GENERAL

LAYOUT PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWERS - Sheet 5

CAD FILE AEE-MAIN-30	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:8000 A3	
DRAWING No. AEE-MAIN-30	ISSUE A



LEGEND

- MAIN TUNNEL (MT)
- LINK SEWER (LS)
- CSO COLLECTOR (CC)
- RISING MAIN
- SHAFT
- EXISTING WATERCARE TRUNK SEWER NETWORK
- CONSTRUCTION CORRIDOR

Plot Date: 10-Aug-12 9:55 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE_VEE_Consent\General\DWG

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APP'D P.DIR	CC								
ISSUE	DATE	AMENDMENT	BY	APPD.	BY	DATE			

OPERATIONS

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



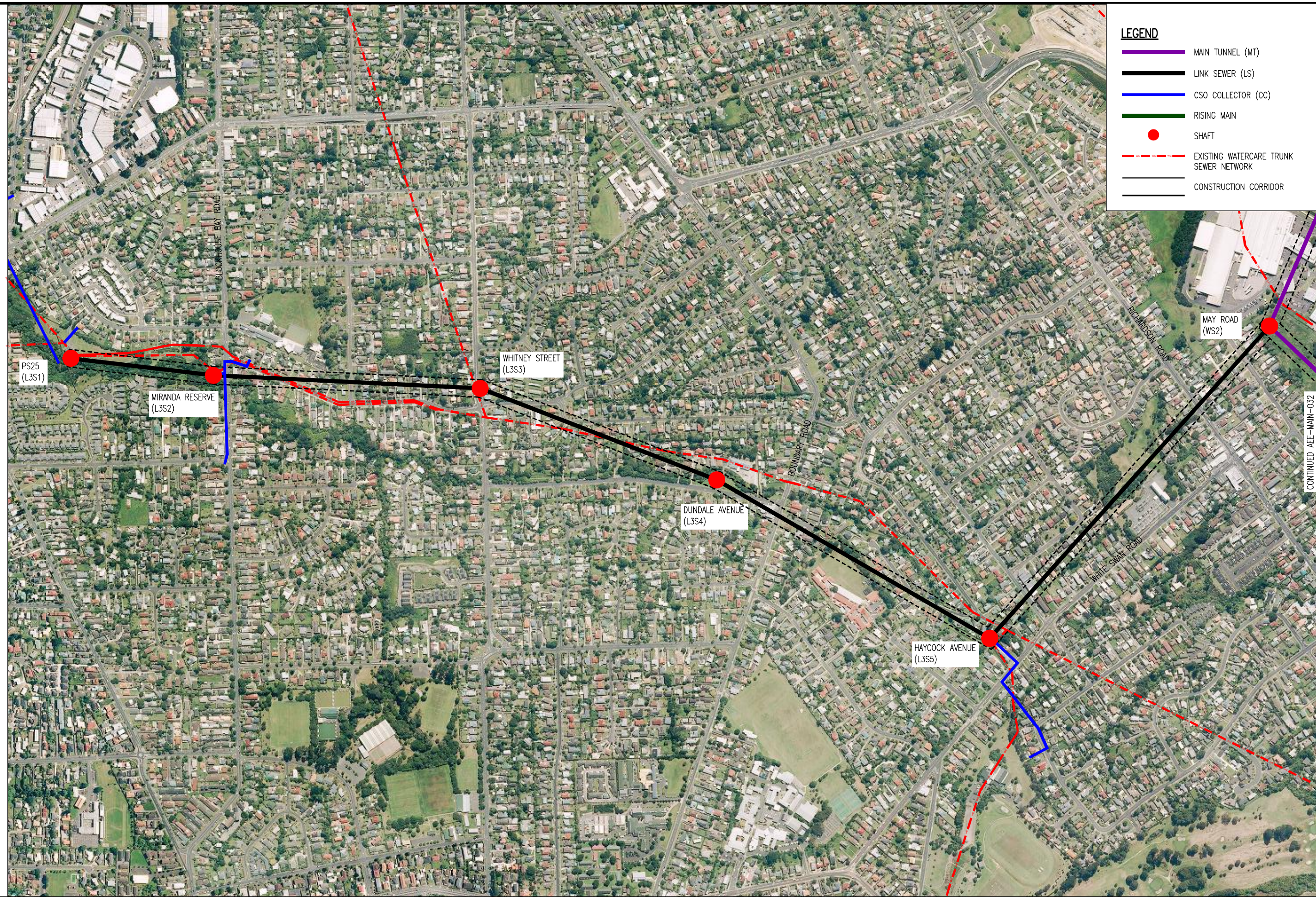
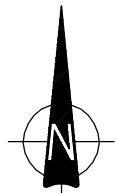
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**CENTRAL INTERCEPTOR
GENERAL**

LAYOUT PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWERS - Sheet 6

CAD FILE AEE-MAIN-31	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No.
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DRAWING No.	ISSUE
AEE-MAIN-31	A

Project No.



LEGEND	
	MAIN TUNNEL (MT)
	LINK SEWER (LS)
	CSO COLLECTOR (CC)
	RISING MAIN
	SHAFT
	EXISTING WATERCARE TRUNK SEWER NETWORK
	CONSTRUCTION CORRIDOR

Plot Date: 10-Aug-12 9:55 AM
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

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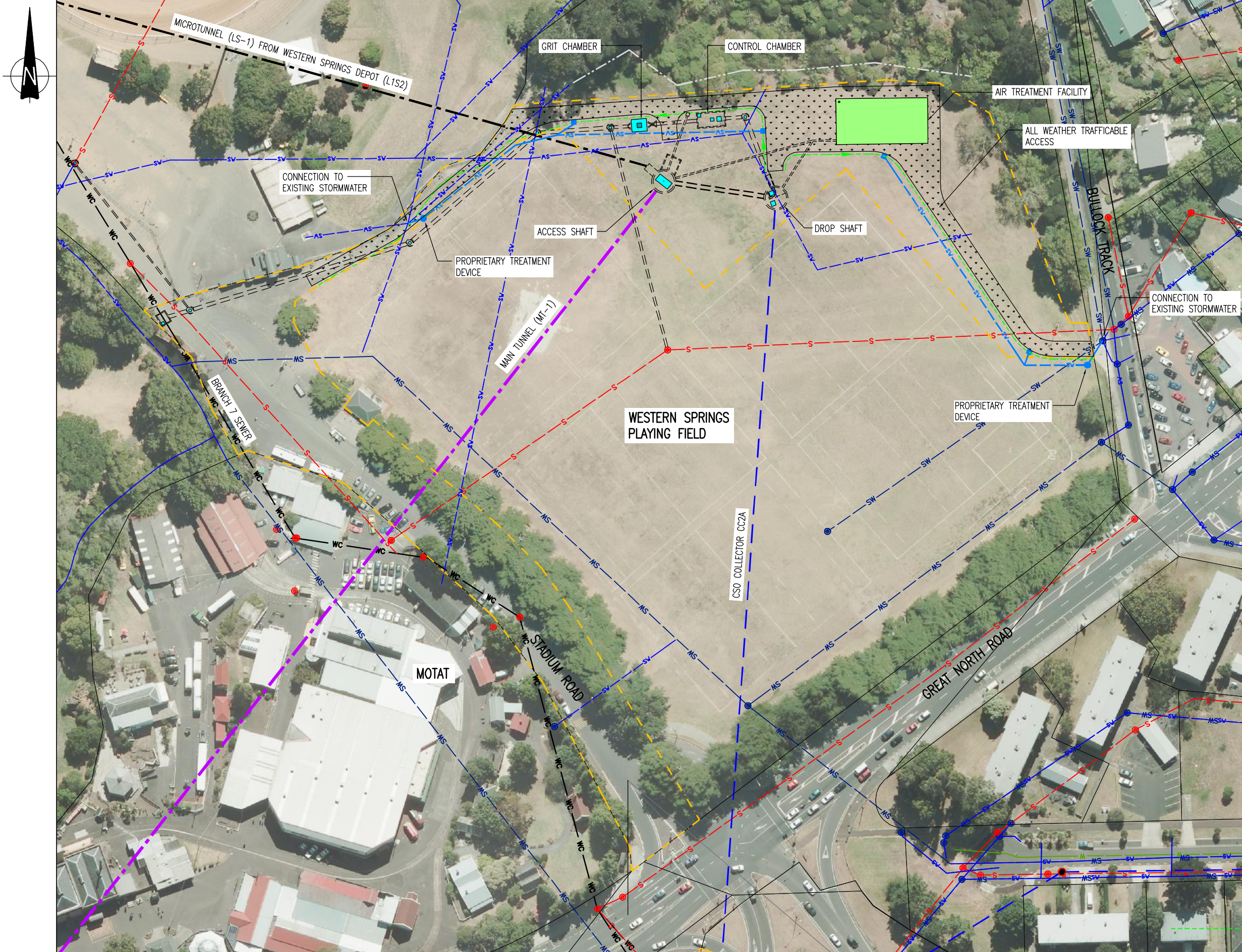


CENTRAL INTERCEPTOR GENERAL

LAYOUT PLAN - CORRIDORS FOR MAIN TUNNEL AND LINK SEWERS - Sheet 8

CAD FILE AEE-MAIN-33	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:8000 A3	
DRAWING No. AEE-MAIN-33	ISSUE A

Plot Date: 10-Aug-12 8:37 AM
 File path: P:\0538 - Central Interceptor\04 Drawings\4.3 Working\AEE\AEE_Consent\Stormwater.Dwg



- NOTES:**
- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.
- 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
 - PROPOSED STORMWATER PIPE
 - PROPOSED SHALLOW U-DRAIN
 - APPROX. LOCATION OF EXISTING OPEN CHANNEL
 - PROPOSED PROPRIETARY TREATMENT DEVICE
 - PROPOSED CATCHPIT

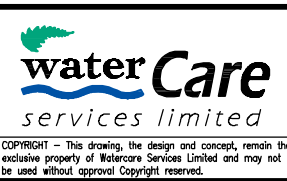
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012

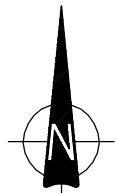


CENTRAL INTERCEPTOR

GENERAL

WESTERN SPRINGS (WS1) - STORMWATER WORKS PLAN

CAD FILE SW-MAIN-1	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1250 A3	
DRAWING No. SW-MAIN-1	ISSUE A



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
- - - EXISTING STORMWATER
- - - PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND
- - - PROPOSED STORMWATER PIPE

Plot Date: 10-Aug-12 8:38 AM
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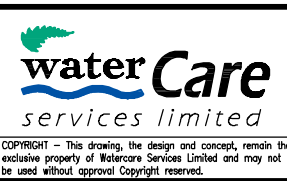
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



CENTRAL INTERCEPTOR

GENERAL

HAVERSTOCK ROAD (AS3) - STORMWATER WORKS PLAN

CAD FILE SW-MAIN-2	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. SW-MAIN-2	ISSUE A



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

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: 10-Aug-12 8:39 AM
 File path: P:\0538 - Central Interceptor\04 Drawings\4.3 Working\AEE\AEE_Consent\Stormwater.Dwg

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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS

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

ASSET MANAGER

AEE AUGUST 2012



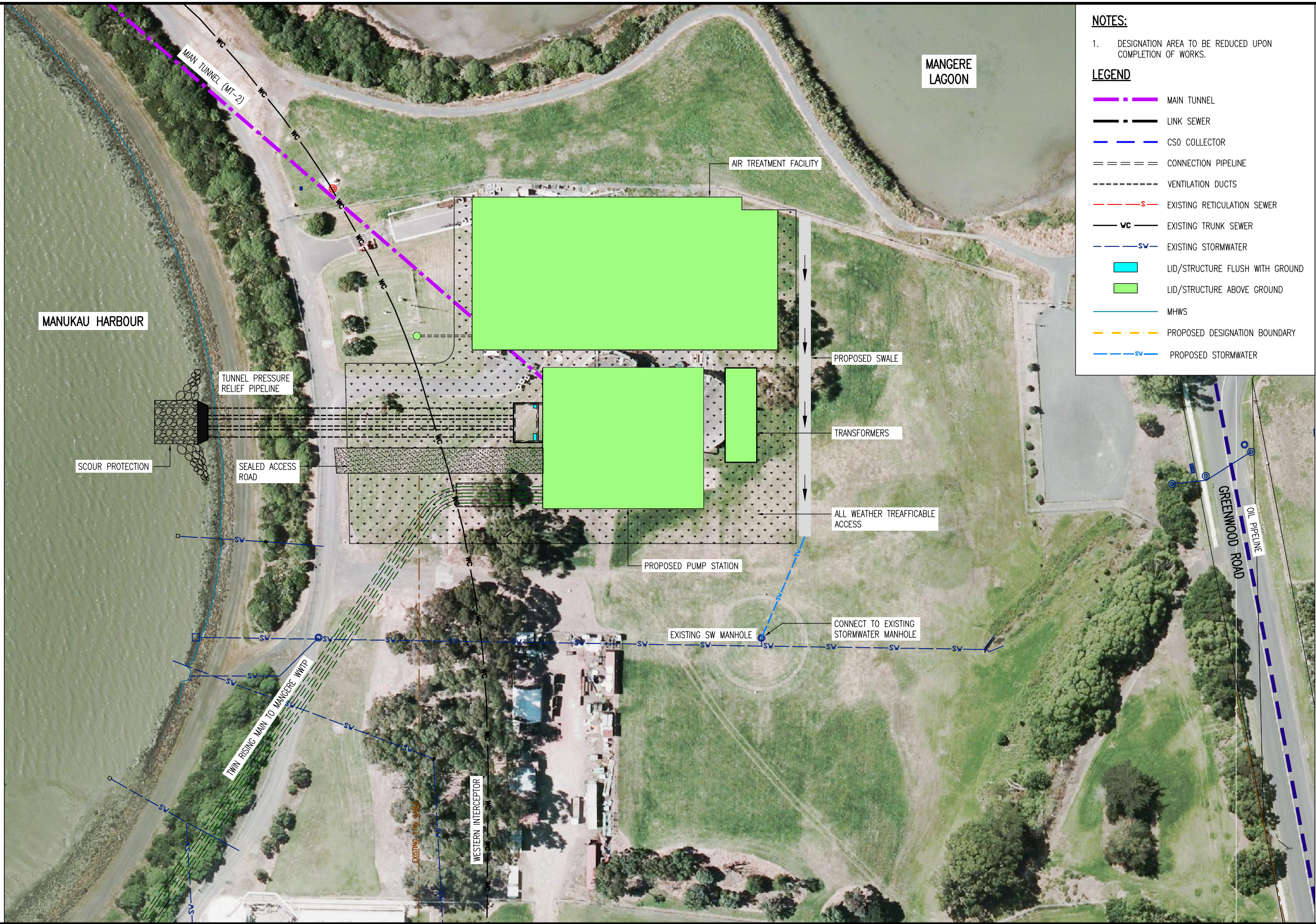
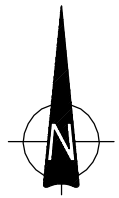
CENTRAL INTERCEPTOR

GENERAL

MAY ROAD (WS2) - STORMWATER WORKS PLAN

CAD FILE SW-MAIN-3	DATE 23-May-12
ORIGINAL SCALE A1	CONTRACT No. 0538
1:1000 A3	
DRAWING No. SW-MAIN-3	ISSUE A

Plot Date: 10-Aug-12 8:39 AM
 File path: P:\0538 - Central Interceptor\04_Drawings\4.3_Working\AEE\AEE_Concent\Stormwater.Dwg



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

LEGEND

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

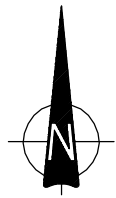
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ISSUE	DATE	AMENDMENT	BY	APPD.	BY DATE
A	17/08/12	CONSENT ISSUE	AP	PR	APP'D P.DIR

OPERATIONS
 ASSET MANAGER
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
 GENERAL
 MANGERE PUMP STATION (WS3) - STORMWATER WORKS PLAN**

CAD FILE SW-MAIN-4	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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DRAWING No. SW-MAIN-4	ISSUE A



NOTES:

- DESIGNATION AREA TO BE REDUCED UPON COMPLETION OF WORKS.

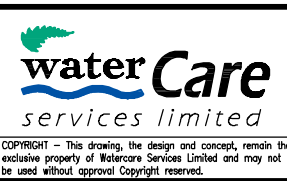
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- — — — — MAIN TUNNEL
- - - - - LINK SEWER
- - - - - CSO COLLECTOR
- = = = = = CONNECTION PIPELINE
- - - - - VENTILATION DUCTS
- - - - - S EXISTING RETICULATION SEWER
- WC — EXISTING TRUNK SEWER
- - - - - SW EXISTING STORMWATER
- - - - - PROPOSED DESIGNATION BOUNDARY
- LID/STRUCTURE FLUSH WITH GROUND
- LID/STRUCTURE ABOVE GROUND
- - - - - SV PROPOSED STORMWATER PVC PIPE
- PROPOSED PROPRIETARY TREATMENT DEVICE
- PROPOSED CATCHPIT

Plot Date: 10-Aug-12 8:40 AM
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OPERATIONS
ASSET MANAGER
SITE LAYOUT AND DESIGNS INDICATIVE ONLY AND SUBJECT TO CHANGE DURING DETAILED DESIGN DEVELOPMENT
AEE AUGUST 2012



**CENTRAL INTERCEPTOR
GENERAL
PS25 (L3S1) - STORMWATER WORKS PLAN**

CAD FILE SW-MAIN-5	DATE 26-Jul-12
ORIGINAL SCALE A1	CONTRACT No. 0538
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DRAWING No. SW-MAIN-5	ISSUE A