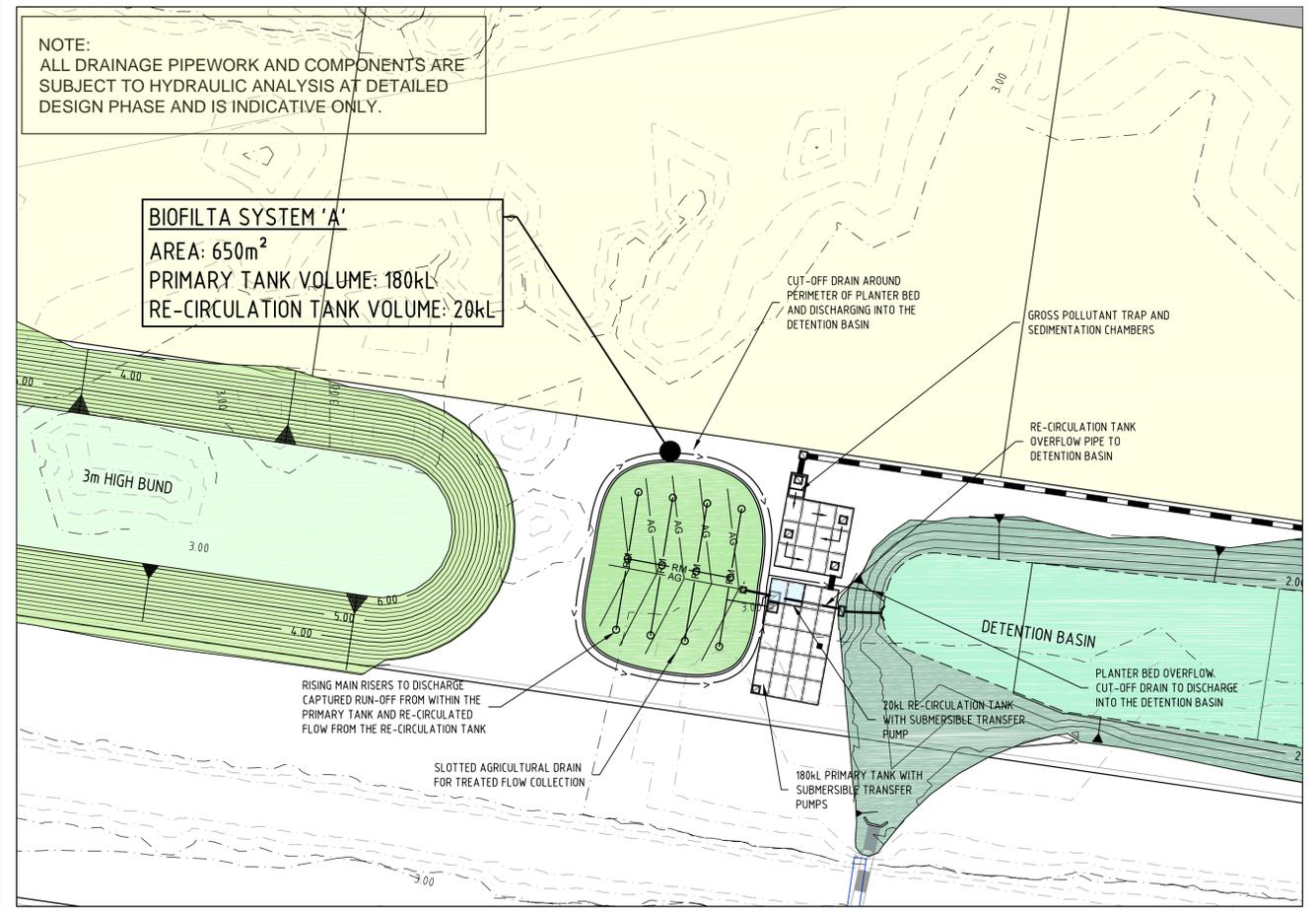


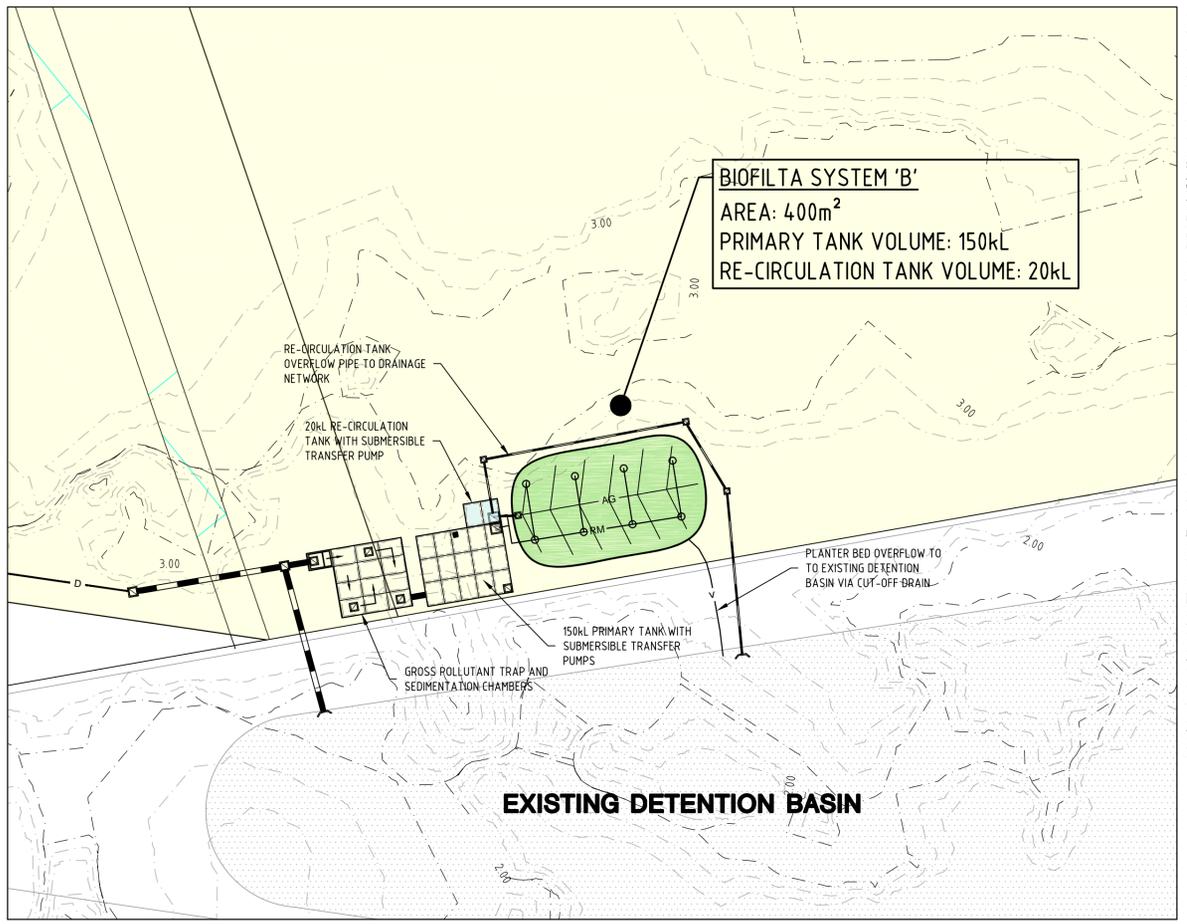
DATE PLOTTED: 26 August 2013 10:50 AM BY: JOE MILLER-NORMAN (MELBOURNE)

NOTE:
ALL DRAINAGE PIPEWORK AND COMPONENTS ARE SUBJECT TO HYDRAULIC ANALYSIS AT DETAILED DESIGN PHASE AND IS INDICATIVE ONLY.



BIOFILTA SYSTEM 'A'
AREA: 650m²
PRIMARY TANK VOLUME: 180kL
RE-CIRCULATION TANK VOLUME: 20kL

BIOFILTA SYSTEM 'A'
SCALE 1:500



BIOFILTA SYSTEM 'B'
AREA: 400m²
PRIMARY TANK VOLUME: 150kL
RE-CIRCULATION TANK VOLUME: 20kL

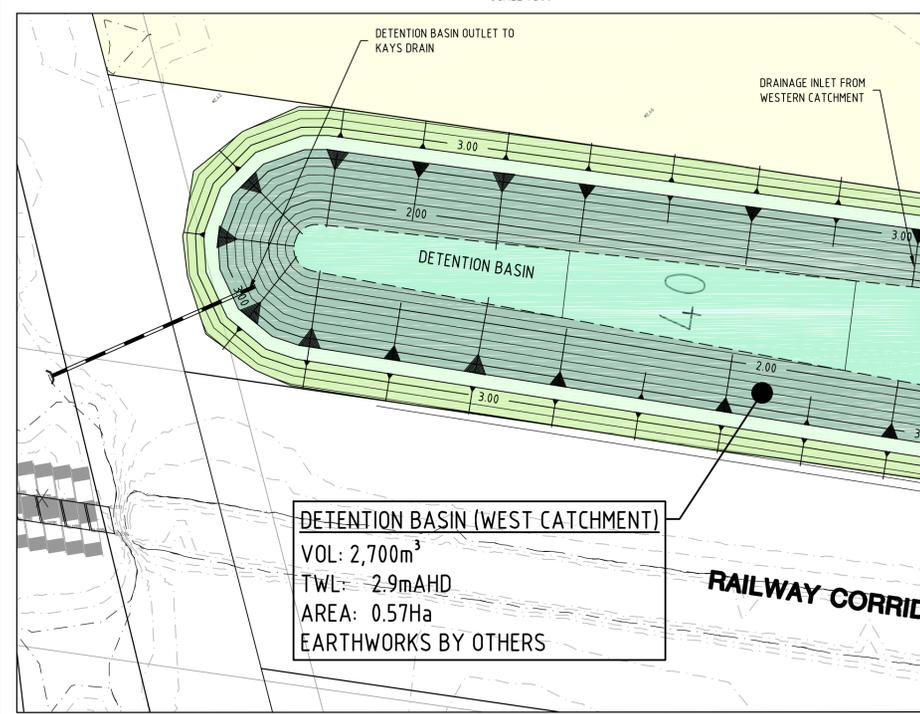
BIOFILTA SYSTEM 'B'
SCALE 1:500

LEGEND

	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	EXISTING SURFACE CONTOUR - MAJOR
	EXISTING SURFACE CONTOUR - MINOR
	FALL OF ALLOTMENT
	CENTRELINE OF ROAD
	EXISTING SURFACE LEVELS
	FINISHED SURFACE LEVELS
	BATTER SURFACE LEVELS
	RIDGE LEVELS
	KERB AND CHANNEL (AS SHOWN)
	PROPOSED RETAINING WALL
	VEHICLE EXCLUSION FENCE (BY OTHERS)
	PROPOSED ZERO LOT LINE
	STAGE BOUNDARY
	PROPOSED BATTER
	EXISTING TREE
	EXISTING TREE TO BE REMOVED
	EXISTING FEATURES TO BE REMOVED
	DIRECTIONAL HAZARD
	TACTILE GROUND SURFACE INDICATORS
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED RESIDENTIAL DRIVEWAY
	LIMIT OF WORKS
	'NO ROAD' SIGN AND BARRIER
	PROPOSED TRAFFIC SIGN
	PROPOSED STREET SIGN
	LINEMARKING AND RRPMS
	PROPOSED STORMWATER DRAIN, PIT, DIAMETER AND PROPERTY INLET
	EXISTING STORMWATER DRAIN, PIT, DIAMETER AND PROPERTY INLET
	PROPOSED MAIN DRAIN, PIT AND DIAMETER
	PROPOSED AGRICULTURAL DRAIN
	PIT NUMBER
	PROPOSED SWALE DRAIN
	OFFSET FROM BUILDING LINE
	PROPOSED SEWER, MAINT. STRUCTURES
	EXISTING SEWER, MAINT. STRUCTURES
	PROPOSED RISING MAIN
	EXISTING RISING MAIN
	PROPOSED LOTS
	PROPOSED ROAD
	BIOFILTA PLANTER
	PROPOSED BUND
	PROPOSED DETENTION BASIN
	LOT GRADING (FILL LESS THAN 100mm DEEP)
	LOT GRADING (FILL GREATER THAN 100mm DEEP)

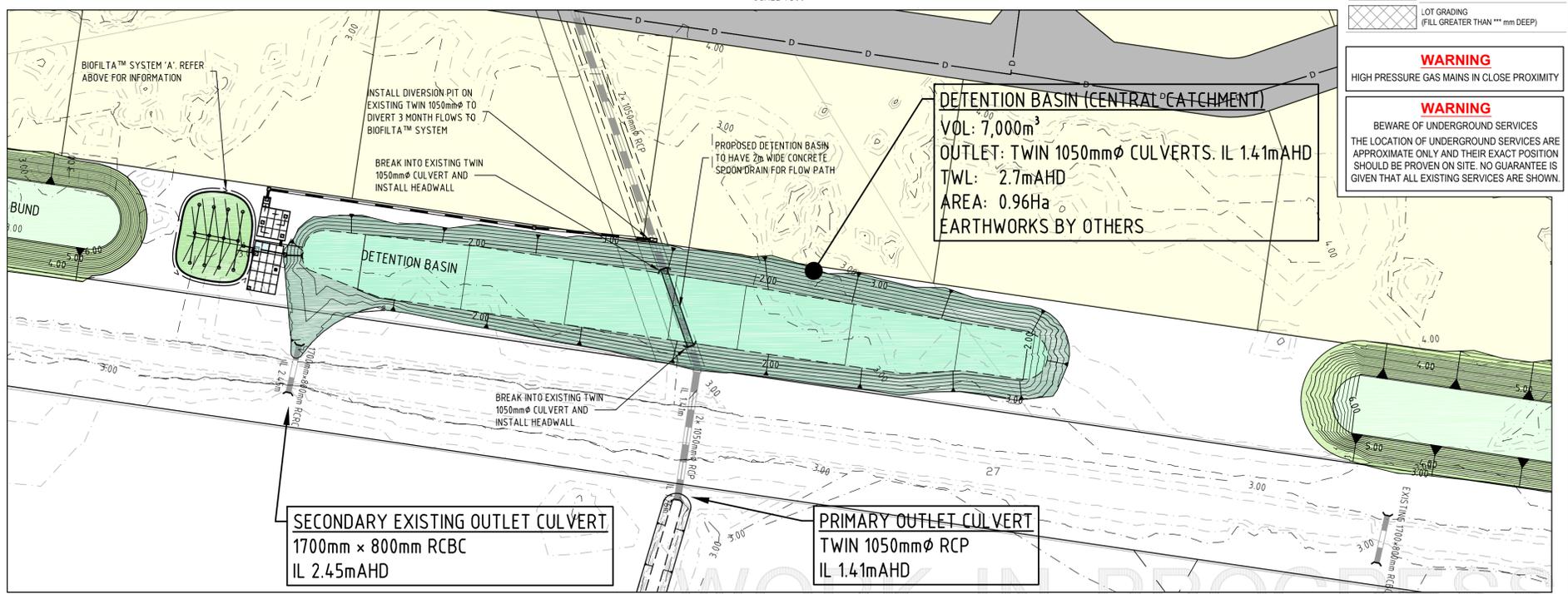
WARNING
HIGH PRESSURE GAS MAINS IN CLOSE PROXIMITY

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



DETENTION BASIN (WEST CATCHMENT)
VOL: 2,700m³
TWL: 2.9m AHD
AREA: 0.57Ha
EARTHWORKS BY OTHERS

DETENTION BASIN PLAN (WEST CATCHMENT)
SCALE 1:500



DETENTION BASIN (CENTRAL CATCHMENT)
VOL: 7,000m³
OUTLET: TWIN 1050mmØ CULVERTS, IL 1.41m AHD
TWL: 2.7m AHD
AREA: 0.96Ha
EARTHWORKS BY OTHERS

SECONDARY EXISTING OUTLET CULVERT
1700mm x 800mm RCBC
IL 2.45m AHD

PRIMARY OUTLET CULVERT
TWIN 1050mmØ RCP
IL 1.41m AHD

DETENTION BASIN PLAN (CENTRAL CATCHMENT)
SCALE 1:1000

XREF's: X130309\icmap; WBase\130309; X130309\Arch; X130309\Ex Cont; X130309\Ex Cont1; X130309\Ex Cont\icmap; X130309\CG; X130309\CG-C02-C04.dwg
CAD FILE: O:\DRAWING\2013\CG\130309 - Ajax Rd Biofilta\CG130309-C02-C04.dwg

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H 1:100 @ A1

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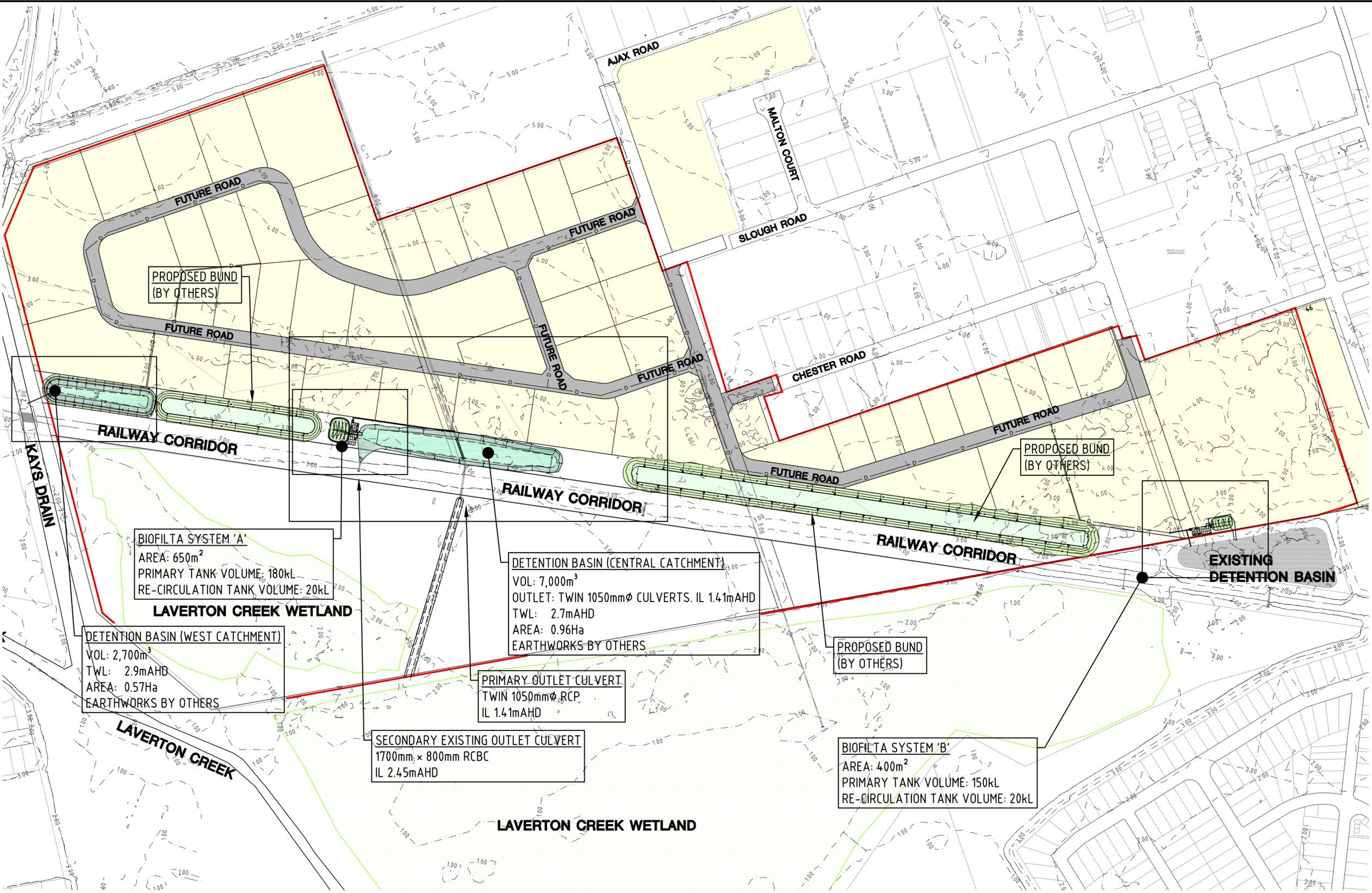
Drawn: J.MILLER-NORMAN
Designed: J.MILLER-NORMAN
Checked:
Authorised:

Client: BIOFILTA
Project: AJAX ROAD DEVELOPMENT
BIOFILTA SYSTEM DESIGN
AJAX ROAD, ALTONA, VIC. 3018
Title: CONCEPT DESIGN
DETAILED LAYOUT PLAN

Status:	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES				
Date:	JUL 13	Scale:	AS SHOWN	Size:	A1
Project Number:	CG130309	Sheet Number:	C 102	Revision:	P2

DATE PLOTTED: 26 August 2013 10:38 AM BY: JOE MILLER-NORMAN (MELBOURNE)

XREF:s: X130309\icmap; WBase:130309; Cont: X130309\Ex Cont; X130309\Cont; CG:130309 FL 3D
 CAD FILE: O:\DRACV\12013\CG:130309 - Ajax Rd Biofilta\CG130309-C02-C04.dwg



LEGEND	
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	EXISTING SURFACE CONTOUR - MAJOR
	EXISTING SURFACE CONTOUR - MINOR
	FALL OF ALLOTMENT
	CENTRELINE OF ROAD
	ES 100.00 EXISTING SURFACE LEVELS
	FS 100.00 FINISHED SURFACE LEVELS
	BS 100.00 BATTER SURFACE LEVELS
	R100.00 RIDGE LEVELS
	KERB AND CHANNEL (AS SHOWN)
	PROPOSED RETAINING WALL
	VEHICLE EXCLUSION FENCE (BY OTHERS)
	PROPOSED ZERO LOT LINE
	STAGE BOUNDARY
	PROPOSED BATTER
	EXISTING TREE
	EXISTING TREE TO BE REMOVED
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NOTE:
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WORK IN PROGRESS

Rev.	Date	Description	Drn.	Des.	Appr.
P2	26/08/2013	ISSUED FOR INFORMATION	JMN	JMN	MN
P1	22/07/2013	ISSUED FOR INFORMATION	JMN	JMN	MN

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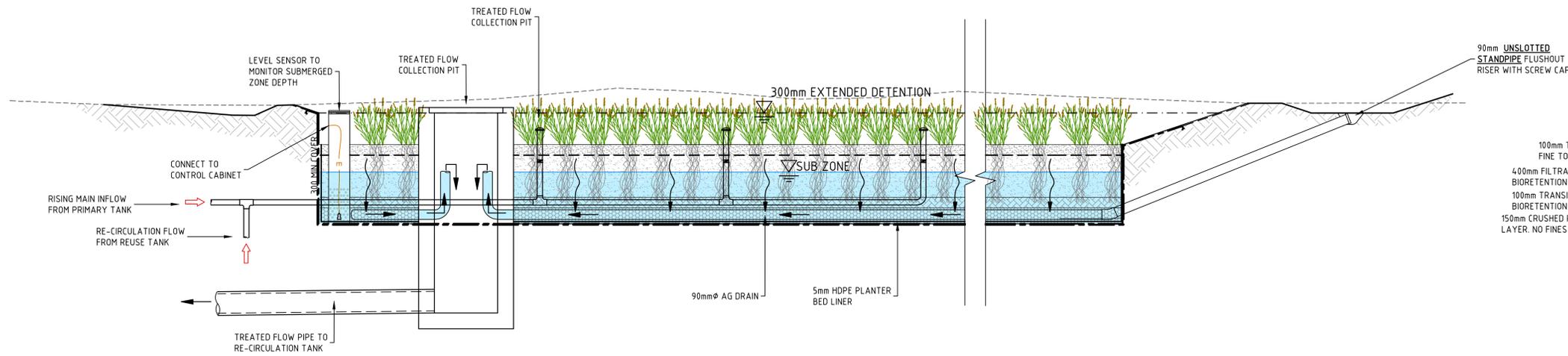
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Drawn J.MILLER-NORMAN
 Designed J.MILLER-NORMAN
 Checked
 Authorised

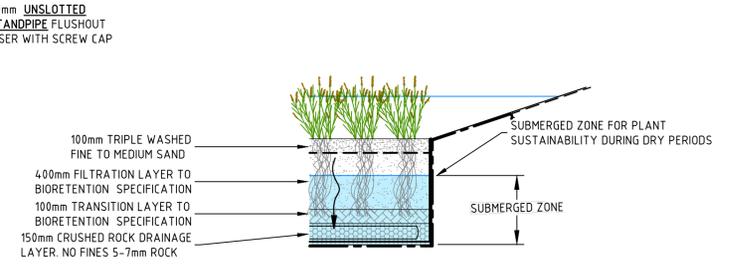
Client **BIOFILTA**
 Project AJAX ROAD DEVELOPMENT
 BIOFILTA SYSTEM DESIGN
 AJAX ROAD, ALTONA, VIC. 3018
 Title CONCEPT DESIGN
 OVERALL LAYOUT PLAN

Status **PRELIMINARY**
 NOT TO BE USED FOR CONSTRUCTION PURPOSES
 Date JUL 13 Scale AS SHOWN Size A1
 Project Number CG130309 Sheet Number C 101 Revision P2

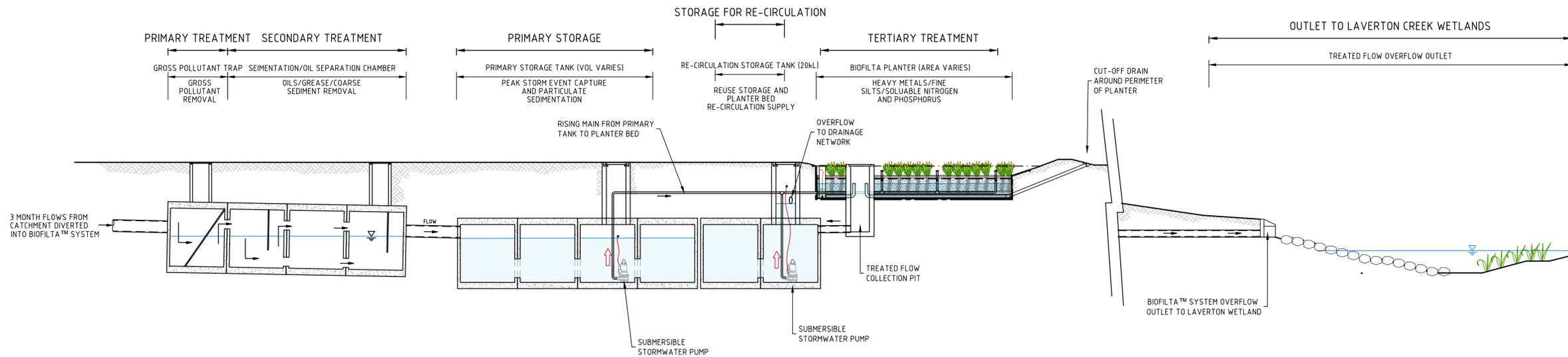
DATE PLOTTED: 26 August 2013 10:51 AM BY: JOE MILLER-NORMAN (MELBOURNE)



BIOFILTA™ PLANTER BED TYPICAL
SCALE 1:50



BIOFILTA™ LAYER SPECIFICATION
N.T.S



BIOFILTA™ SCHEMATIC SECTION
N.T.S

WORK IN PROGRESS

XREF:s: X130309\icmap; WBase:130309; X130309\Arch; X130309\Ex Cont; X130309\Cont; CG130309 FL 3D
CAD FILE: O:\DRA\CVL2013\CG130309 - Ajax Rd Biofilta\CG130309-C02-C04.dwg

Rev.	Date	Description	Drn.	Des.	Appr.
P2	26/08/2013	ISSUED FOR INFORMATION	JMN	JMN	MN
P1	22/07/2013	ISSUED FOR INFORMATION	JMN	JMN	MN

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Drawn	J.MILLER-NORMAN
Designed	J.MILLER-NORMAN
Checked	
Authorised	

Client	BIOFILTA
Project	AJAX ROAD DEVELOPMENT BIOFILTA SYSTEM DESIGN AJAX ROAD, ALTONA. VIC. 3018
Title	CONCEPT DESIGN BIOFILTA SCHEMATIC TYPICAL SECTIONS SHEET 1 OF 1

Status	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Date	JUL 13	Scale	AS SHOWN
Project Number	CG130309	Sheet Number	C 103
		Revision	P2