

VICTORIAN PLANNING AUTHORITY

WONTHAGGI NORTH EAST PRECINCT STRUCTURE PLAN

STORM WATER MANAGEMENT INFRASTRUCTURE – FUNCTIONAL DESIGN

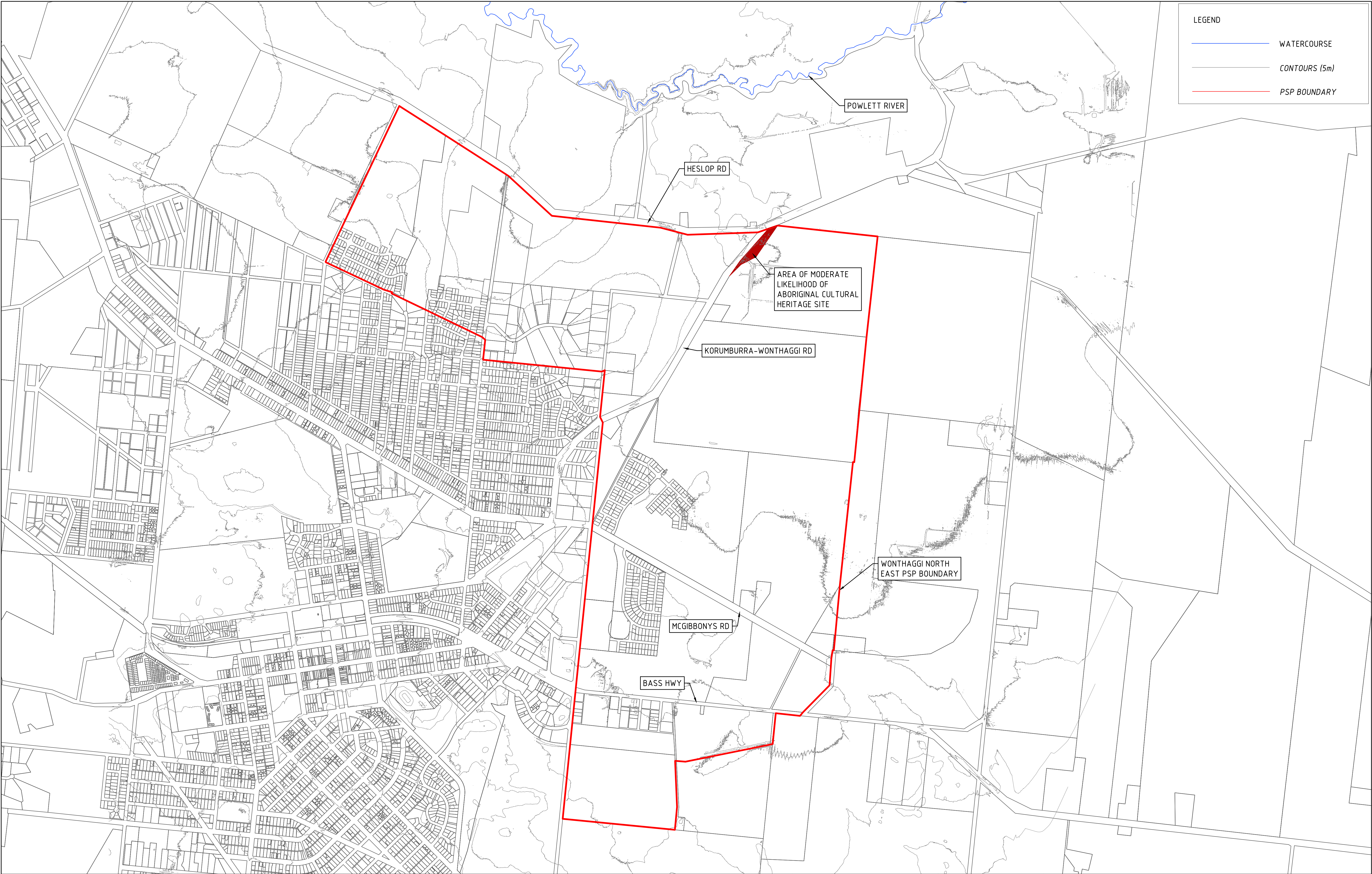
DRAWING SCHEDULE	
DRG No	DRAWING TITLE
CIVIL DRAWING LIST	
001	LOCALITY PLAN AND DRAWING INDEX
002	EXISTING CONDITIONS PLAN
003	GENERAL ARRANGEMENT PLAN
004	WLRB1A DESIGN PLAN
005	WLRB1A PLANTING ZONES
006	WLRB1A CROSS SECTIONS
007	WLRB1A LONGITUDINAL SECTION
008	WLRB1B DESIGN PLAN
009	WLRB1B PLANTING ZONES
010	WLRB1B CROSS SECTIONS
011	WLRB1B LONGITUDINAL SECTION
012	WLRB2 DESIGN PLAN
013	WLRB2 PLANTING ZONES
014	WLRB2 CROSS SECTIONS
015	WLRB2 LONGITUDINAL SECTION
016	WLRB3&4 DESIGN PLAN
017	WLRB3&4 PLANTING ZONES
018	WLRB3 CROSS SECTIONS & LONGITUDINAL SECTION
019	WLRB4 CROSS SECTIONS
020	WLRB4 LONGITUDINAL SECTION
021	SB1 DESIGN PLAN
022	SB1 PLANTING ZONES
023	SB1 CROSS SECTION
024	SB4 DESIGN PLAN
025	SB4 PLANTING ZONES
026	SB4 CROSS SECTIONS
027	SB5 DESIGN PLAN
028	SB5 PLANTING ZONES
029	SB5 CROSS SECTION
030	SB6 DESIGN PLAN
031	SB6 PLANTING ZONES
032	SB6 CROSS SECTION
033	SB7 DESIGN PLAN
034	SB7 PLANTING ZONES
035	SB7 CROSS SECTION
036	EASTERN WATERWAY DESIGN PLAN (SHEET 1 OF 3)
037	EASTERN WATERWAY DESIGN PLAN (SHEET 2 OF 3)
038	EASTERN WATERWAY DESIGN PLAN (SHEET 3 OF 3)

039	EASTERN WATERWAY LONGITUDINAL SECTION
040	EASTERN WATERWAY CROSS SECTION (CHAINAGE 0 - 700)
041	EASTERN WATERWAY CROSS SECTIONS (CHAINAGE 800 - 1500)
042	EASTERN WATERWAY CROSS SECTIONS (CHAINAGE 1600 - 2300)
043	EASTERN WATERWAY CROSS SECTION (CHAINAGE 2400 - 2700)
044	WESTERN WATERWAY DESIGN PLAN (SHEET 1 OF 3)
045	WESTERN WATERWAY DESIGN PLAN (SHEET 2 OF 3)
046	WESTERN WATERWAY DESIGN PLAN (SHEET 3 OF 3)
047	WESTERN WATERWAY LONGITUDINAL SECTION
048	WESTERN WATERWAY CROSS SECTIONS (CHAINAGE 0 - 700)
049	WESTER WATERWAY CROSS SECTION (CHAINAGE 800 - 1500)
050	WESTERN WATERWAY CROSS SECTION (CHAINAGE 1600 - 2300)
051	WESTERN WATERWAY CROSS SECTION (CHAINAGE 2400 - 2900)
052	MAIN OUTFALL DESIGN PLAN
053	MAIN OUTFALL LONGITUDINAL SECTION
054	MAIN OUTFALL CROSS SECTIONS



D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE

 Alluvium Consulting Australia Pty. Ltd. ABN 76 151 119 792 Lvl 1, 105-115 Dover Street Cremorne Vic 3121 T 61 3 9421 2532 www.alluvium.com.au					VICTORIAN PLANNING AUTHORITY WONTHAGGI NORTH EAST PSP FUNCTIONAL DESIGN DRAWINGS LOCALITY PLAN & DRAWING INDEX			
DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128	REVISION: D	SHEET No.: 1 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: NTS



LEGEND

WATERCOURSE

CONTOURS (5m)

PSP BOUNDARY

D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE

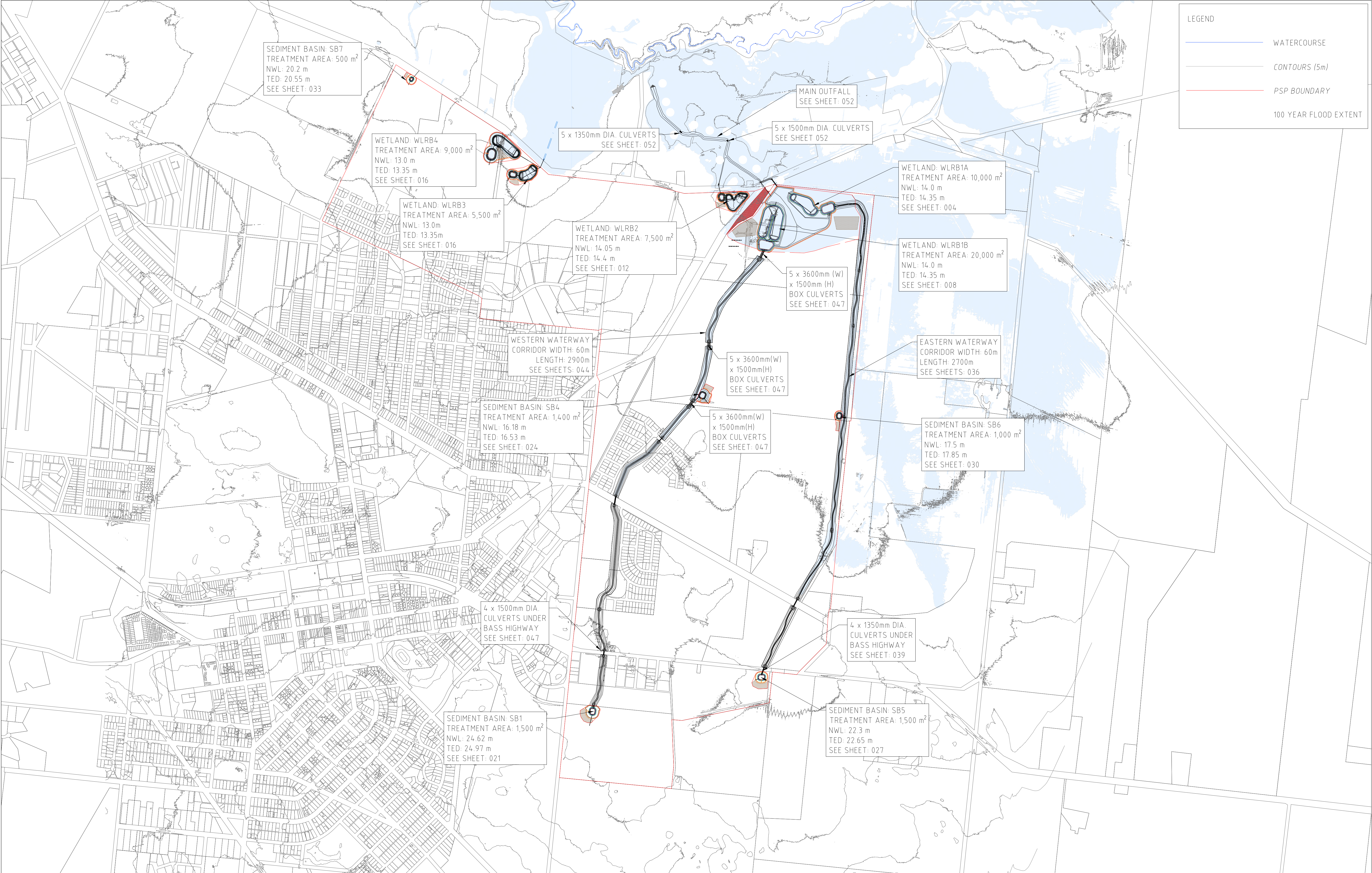


Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No.: 0121128
----------------------	------------------	------------------------	-----------------------	-------------------------

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
EXISTING CONDITIONS PLAN

REVISION: D	SHEET No.: 2 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:10,000 0 200 400 600m 100
----------------	-----------------------	---	--



REV	DESCRIPTION	APP'D	DATE
D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21

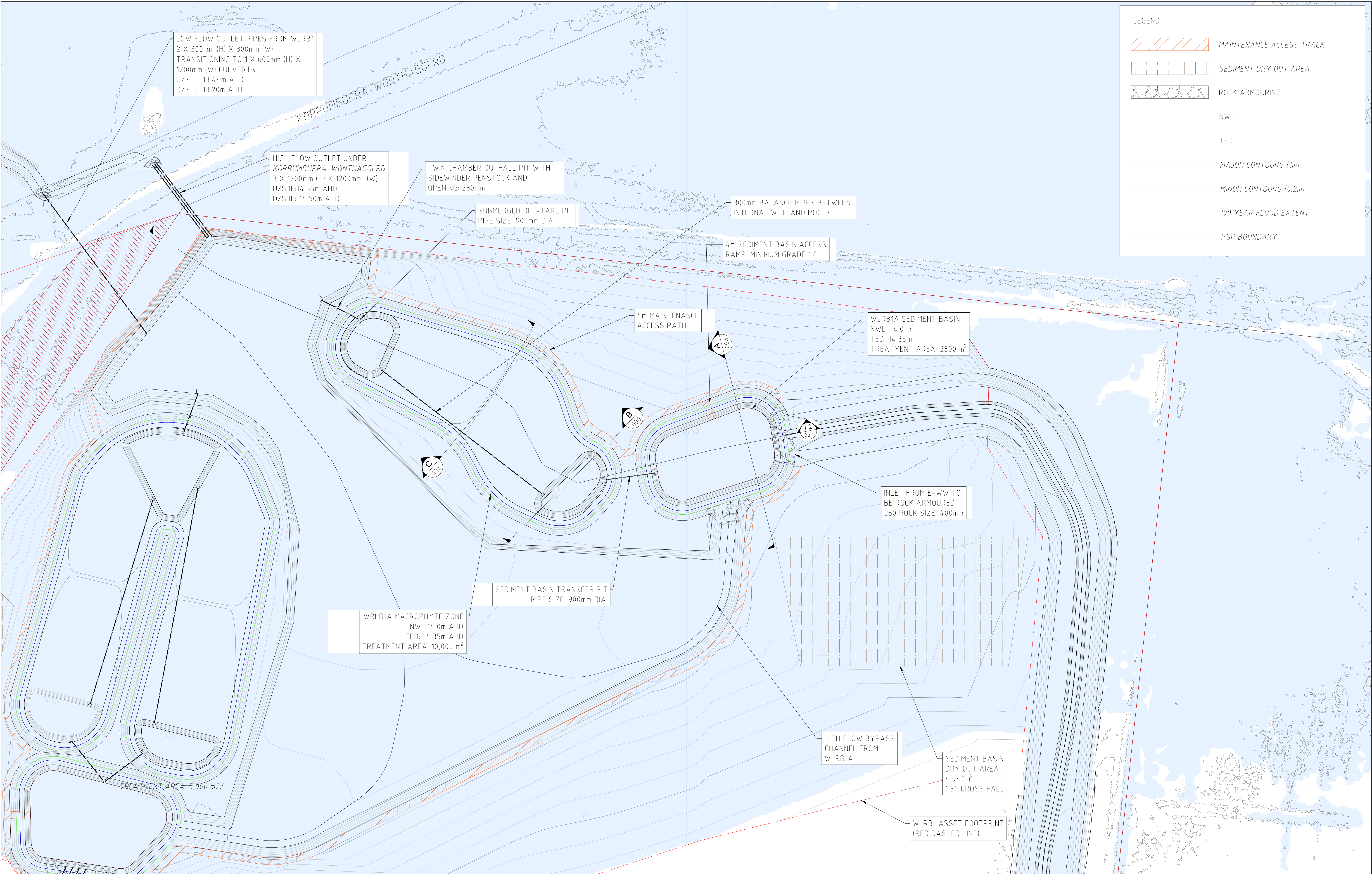


Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
GENERAL ARRANGEMENT PLAN

REVISION: D	SHEET No.: 3 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:10,000 0 200 400 600m 100
----------------	-----------------------	---	--



REV	DESCRIPTION	APP'D	DATE
D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21

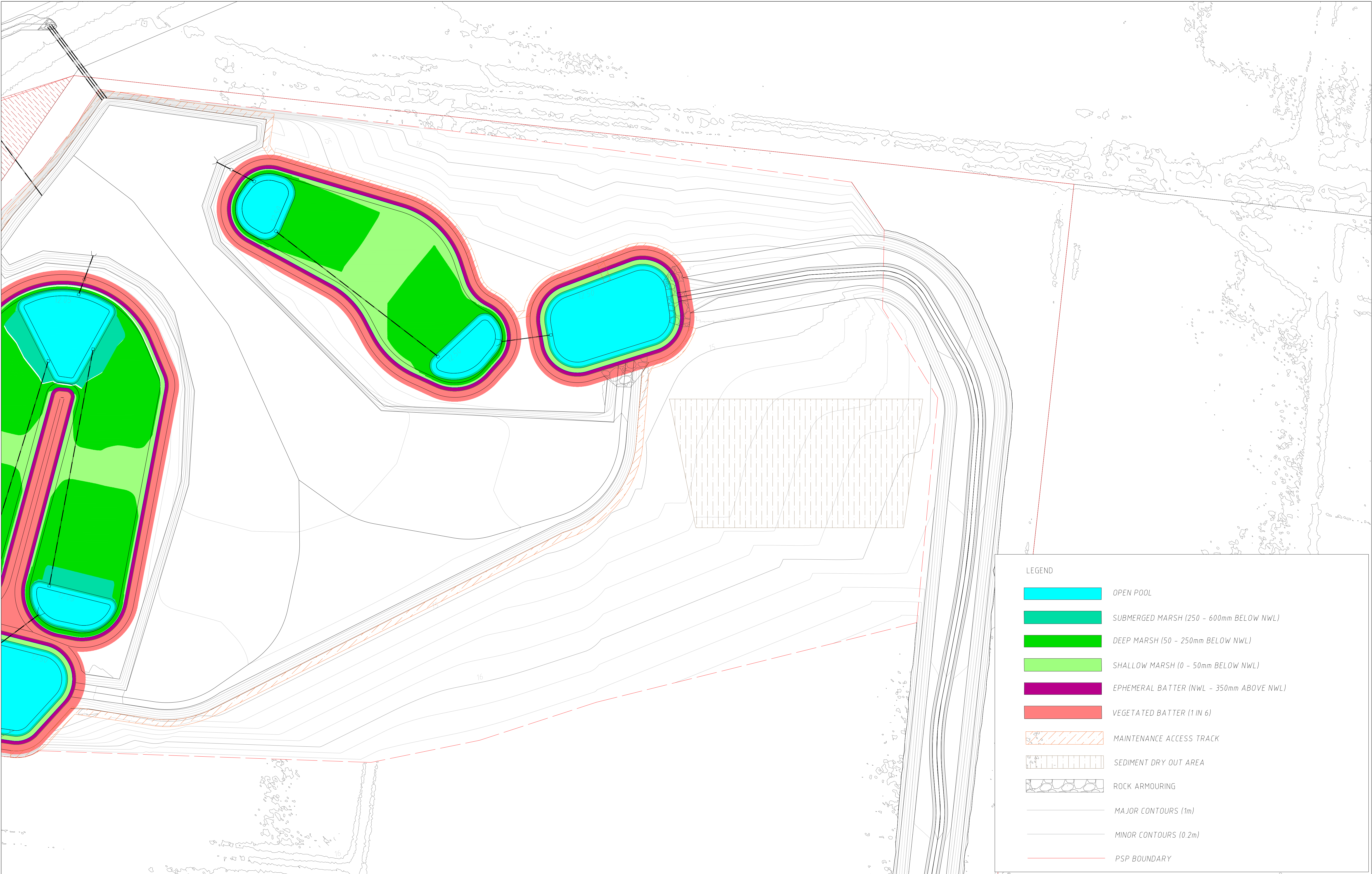


Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 1A DESIGN

REVISION: D	SHEET No.: 4 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:1,000 0 20 40 60m 10
----------------	-----------------------	---	-------------------------------------



LEGEND



OPEN POOL



SUBMERGED MARSH (250 - 600mm BELOW NWL)



DEEP MARSH (50 - 250mm BELOW NWL)



SHALLOW MARSH (0 - 50mm BELOW NWL)



EPHEMERAL BATTER (NWL - 350mm ABOVE NWL)



VEGETATED BATTER (1 IN 6)



MAINTENANCE ACCESS TRACK



SEDIMENT DRY OUT AREA



ROCK ARMOURING



MAJOR CONTOURS (1m)



MINOR CONTOURS (0.2m)



PSP BOUNDARY

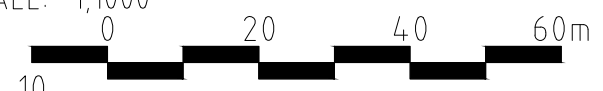
D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE



Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

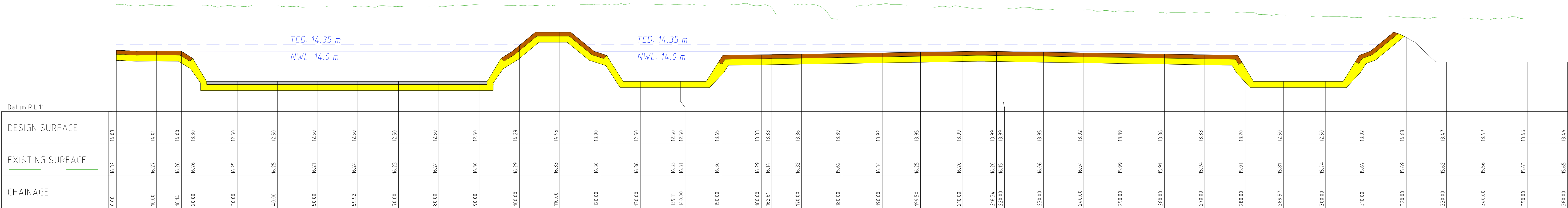
VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 1A PLANTING

REVISION: D	SHEET No.: 5 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:1000 
-----------------------	-----------------------	--	--

CLAY LINER TO BE ADVISED BY
GEOTECHNICAL INVESTIGATION (300mm)

TOP SOIL / SUITABLE PLANTING MEDIA (200mm)

CONCRETE SLAB (150mm)



WLRB1A LONGITUDINAL SECTION

1:500 (H)
1:100 (V)

L1

004

D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE



DESIGNED:
D.BRAND

DRAWN:
K.PORT

CHECKED:
C.CARVALHO

APPROVED:
S.CLEVEN

PROJECT No:
0121128

Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

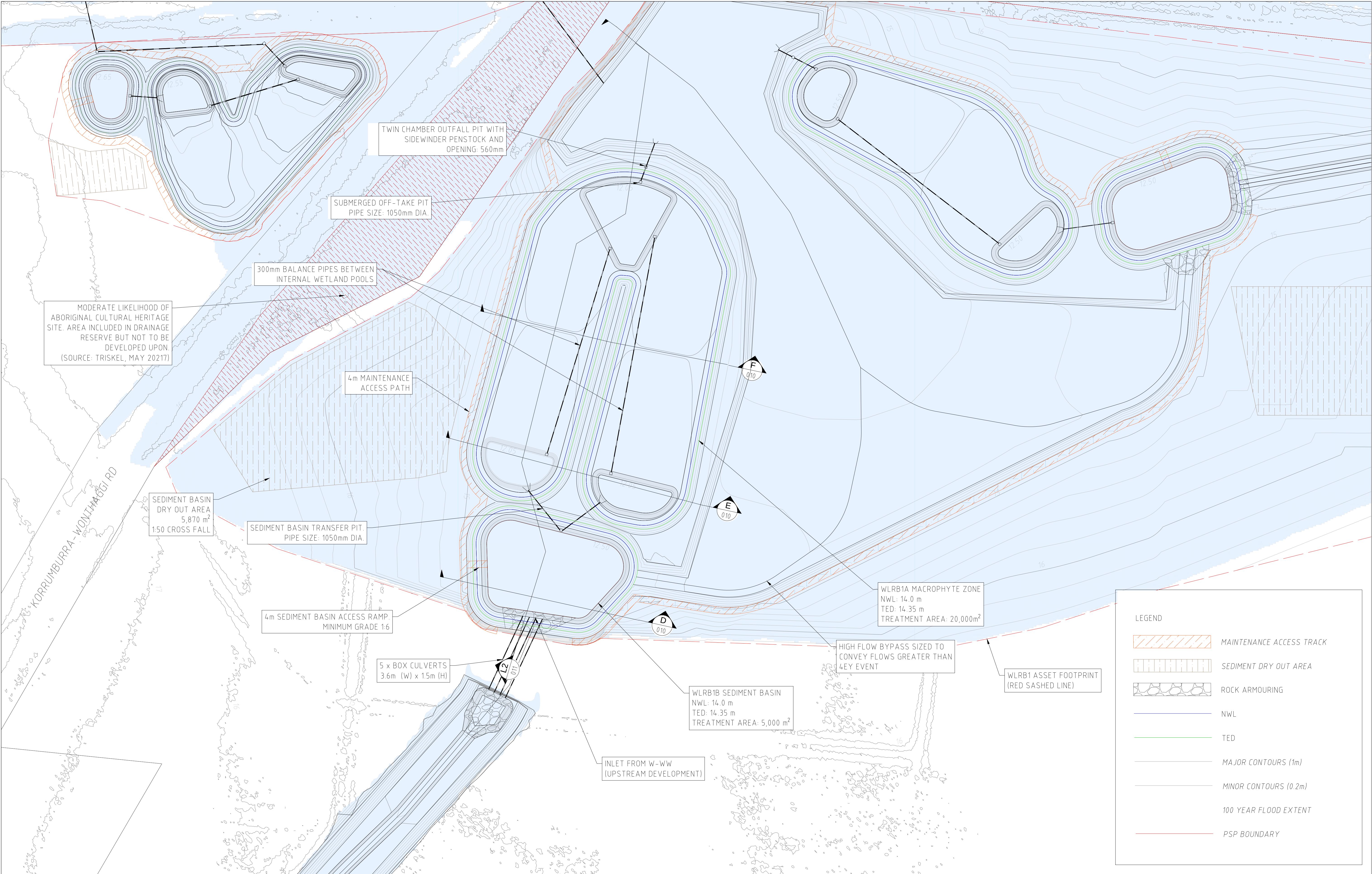
VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 1A LONGITUDINAL SECTION

REVISION:
D

SHEET No.:
7 of 54

ORIGINAL SIZE: A1
DATUM: m AHD (MGA z55)

SCALE: SEE ABOVE



REV	DESCRIPTION	APP'D	DATE
D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21

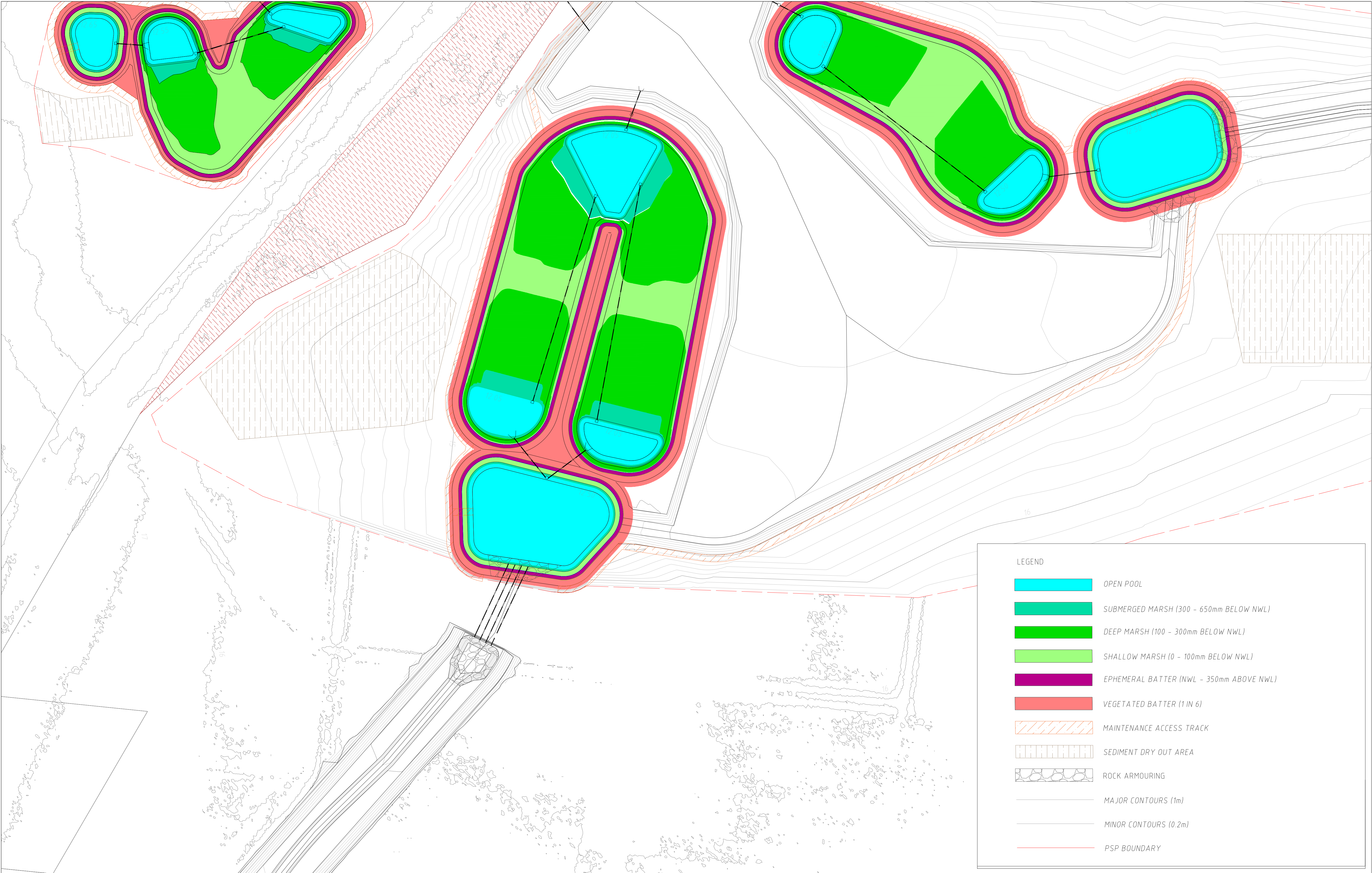


Alluvium Consulting Australia Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 1B DESIGN

REVISION: D	SHEET No.: 8 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:1,000 0 20 40 60m 10
-----------------------	-----------------------	--	-------------------------------------



LEGEND

OPEN POOL

SUBMERGED MARSH (300 - 650mm BELOW NWL)

DEEP MARSH (100 - 300mm BELOW NWL)

SHALLOW MARSH (0 - 100mm BELOW NWL)

EPHEMERAL BATTER (NWL - 350mm ABOVE NWL)

VEGETATED BATTER (1 IN 6)

MAINTENANCE ACCESS TRACK

SEDIMENT DRY OUT AREA

ROCK ARMOURING

MAJOR CONTOURS (1m)

MINOR CONTOURS (0.2m)

PSP BOUNDARY

D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE

alluvium

Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No.: 0121128
----------------------	------------------	------------------------	-----------------------	-------------------------

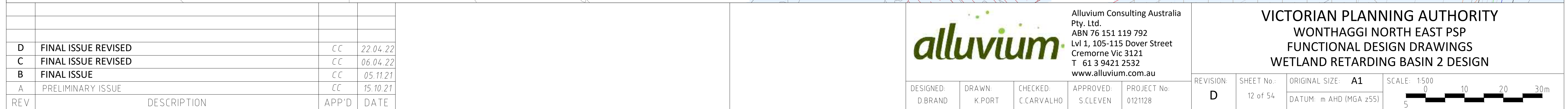
VICTORIAN PLANNING AUTHORITY

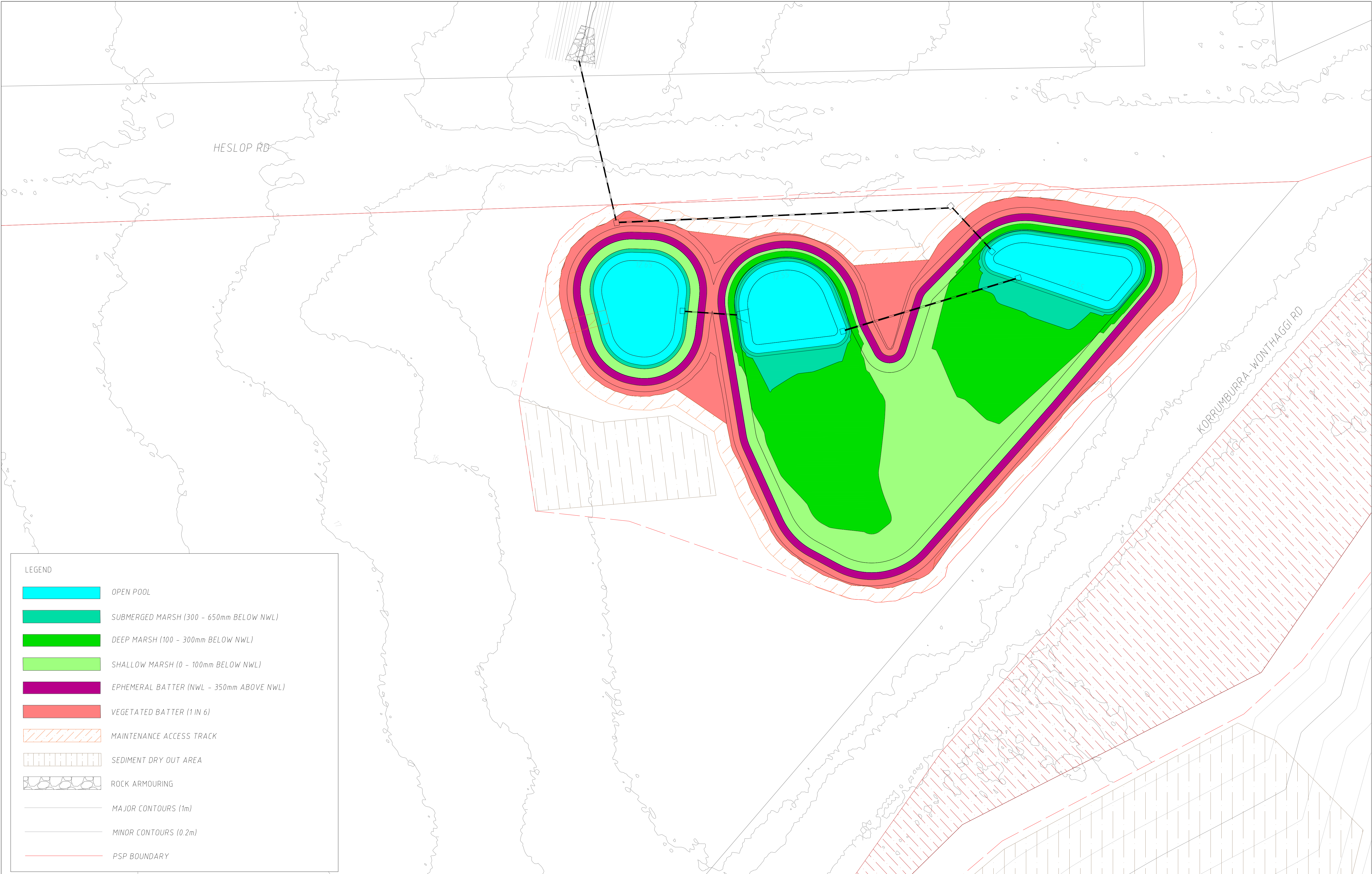
WONTHAGGI NORTH EAST PSP

FUNCTIONAL DESIGN DRAWINGS

WETLAND RETARDING BASIN 1B PLANTING ZONES

REVISION: D	SHEET No.: 9 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:1,000 0 20 40 60m 10
-----------------------	-----------------------	--	-------------------------------------





- LEGEND
- OPEN POOL
 - SUBMERGED MARSH (300 - 650mm BELOW NWL)
 - DEEP MARSH (100 - 300mm BELOW NWL)
 - SHALLOW MARSH (0 - 100mm BELOW NWL)
 - EPHEMERAL BATTER (NWL - 350mm ABOVE NWL)
 - VEGETATED BATTER (1 IN 6)
 - MAINTENANCE ACCESS TRACK
 - SEDIMENT DRY OUT AREA
 - ROCK ARMOURING
 - MAJOR CONTOURS (1m)
 - MINOR CONTOURS (0.2m)
 - PSP BOUNDARY

REV	DESCRIPTION	APP'D	DATE
D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21

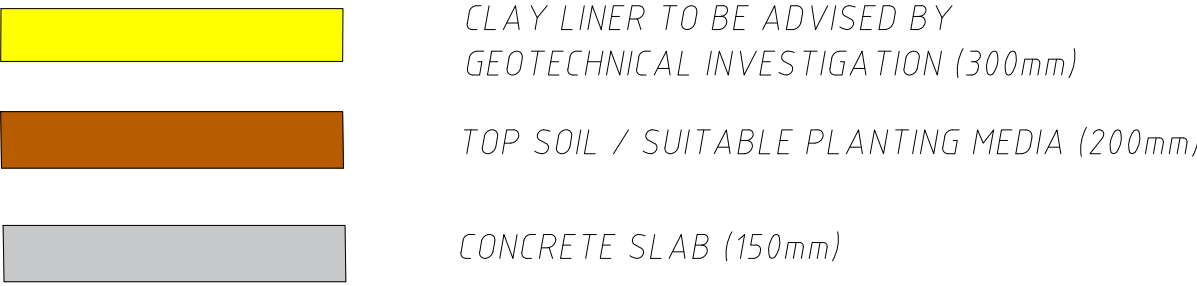


Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

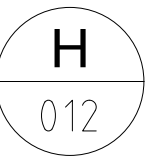
VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 2 PLANTING ZONES

REVISION: D	SHEET No.: 13 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:500 0 10 20 30m 5
----------------	------------------------	---	----------------------------------

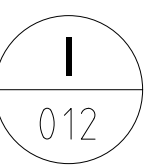


G
012

1:250 (H)
1:50 (V)



1:250 (H)
1:50 (V)



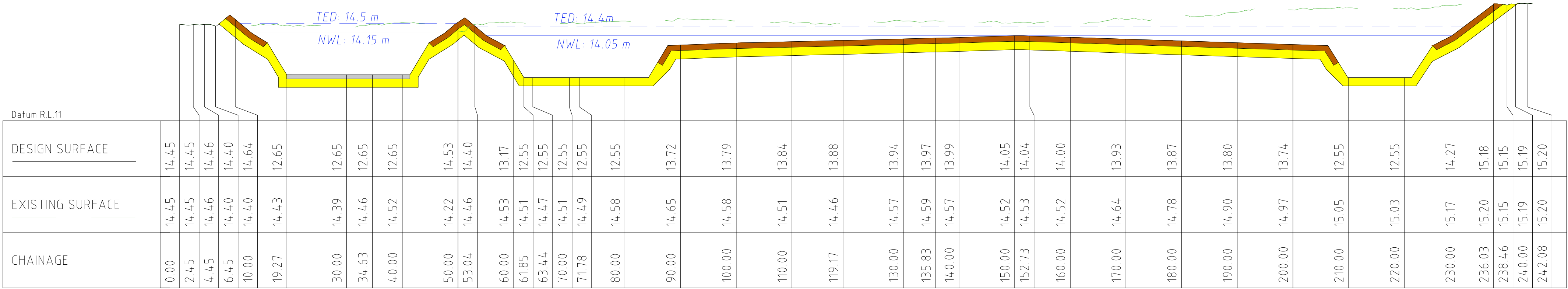
1:250 (H)
1:50 (V)

[illegible]

CLAY LINER TO BE ADVISED BY
GEOTECHNICAL INVESTIGATION (300mm)

TOP SOIL / SUITABLE PLANTING MEDIA (200mm)

CONCRETE SLAB (150mm)



WLRB2 LONGITUDINAL SECTION

1:500 (H)
1:100 (V)

L3
012

D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE

Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED:
D.BRAND

DRAWN:
K.PORT

CHECKED:
C.CARVALHO

APPROVED:
S.CLEVEN

PROJECT No:
0121128

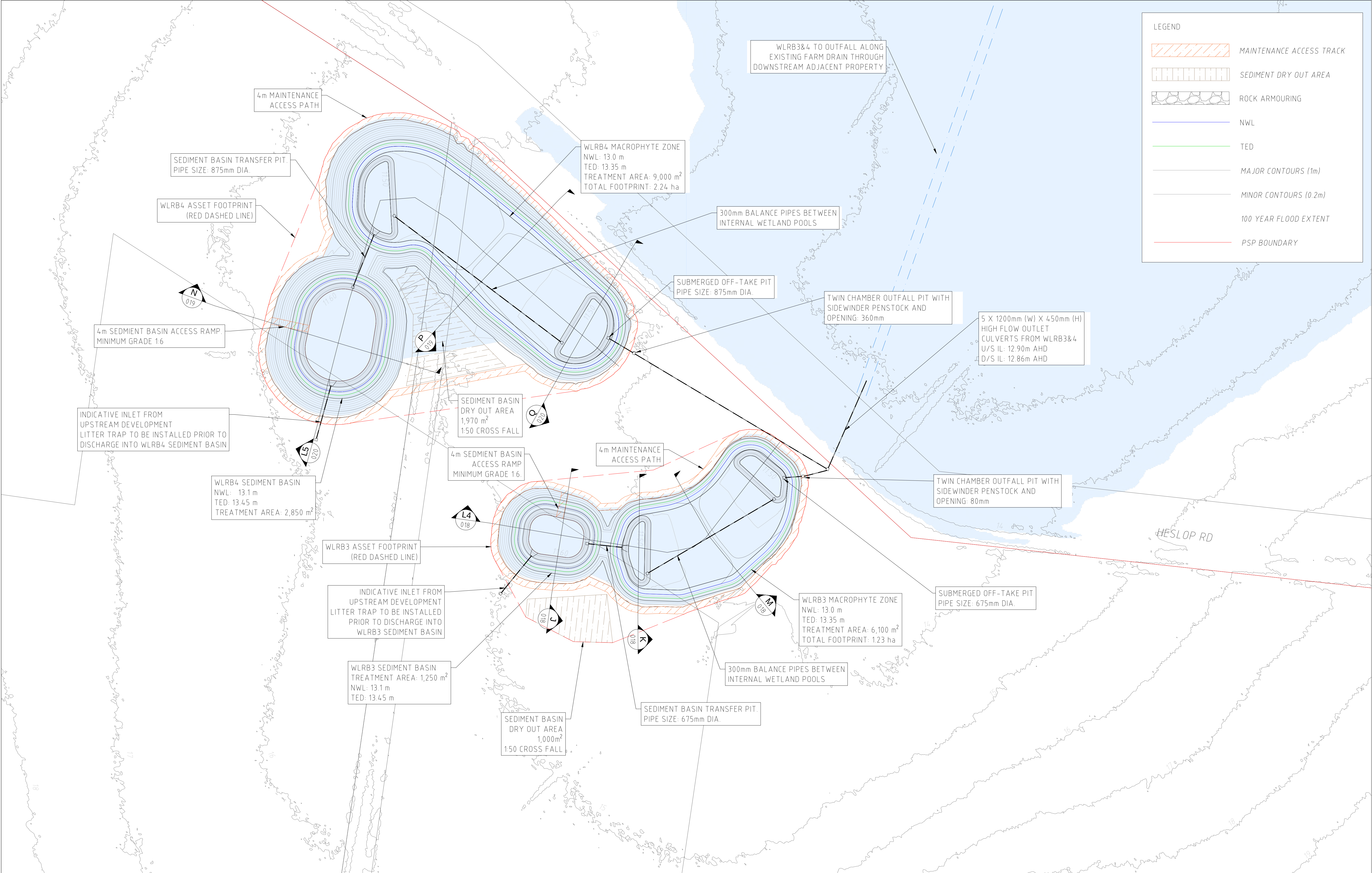
REVISION:
D

SHEET No.:
15 of 54

ORIGINAL SIZE: A1
DATUM: m AHD (MGA z55)

SCALE: SEE ABOVE

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 2 LONGITUDINAL SECTION



REV	DESCRIPTION	APP'D	DATE
D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21

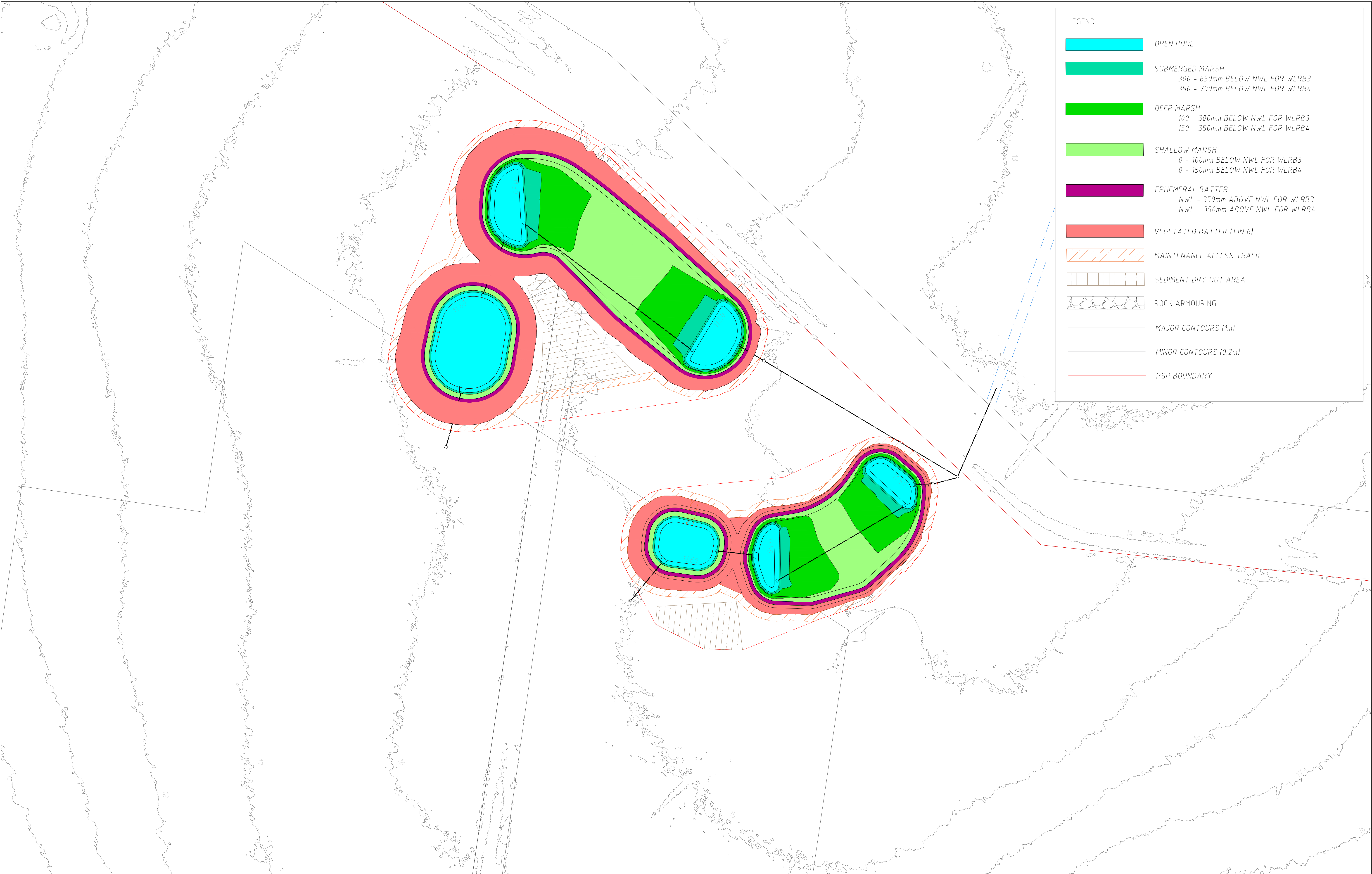


Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 3 & 4 DESIGN

REVISION: D	SHEET No.: 16 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:1,000 0 20 40 60m 10
----------------	------------------------	---	-------------------------------------



D	FINAL ISSUE REVISED	CC	22.04.22
C	FINAL ISSUE REVISED	CC	06.04.22
B	FINAL ISSUE	CC	05.11.21
A	PRELIMINARY ISSUE	CC	15.10.21
REV	DESCRIPTION	APP'D	DATE



Alluvium Consulting Australia
Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED: D.BRAND	DRAWN: K.PORT	CHECKED: C.CARVALHO	APPROVED: S.CLEVEN	PROJECT No: 0121128
----------------------	------------------	------------------------	-----------------------	------------------------

VICTORIAN PLANNING AUTHORITY
WONTHAGGI NORTH EAST PSP
FUNCTIONAL DESIGN DRAWINGS
WETLAND RETARDING BASIN 3 AND 4 PLANTING ZONES

REVISION: D	SHEET No.: 17 of 54	ORIGINAL SIZE: A1 DATUM: m AHD (MGA z55)	SCALE: 1:1,000 0 20 40 60m 10
-----------------------	------------------------	--	-------------------------------------

