CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS

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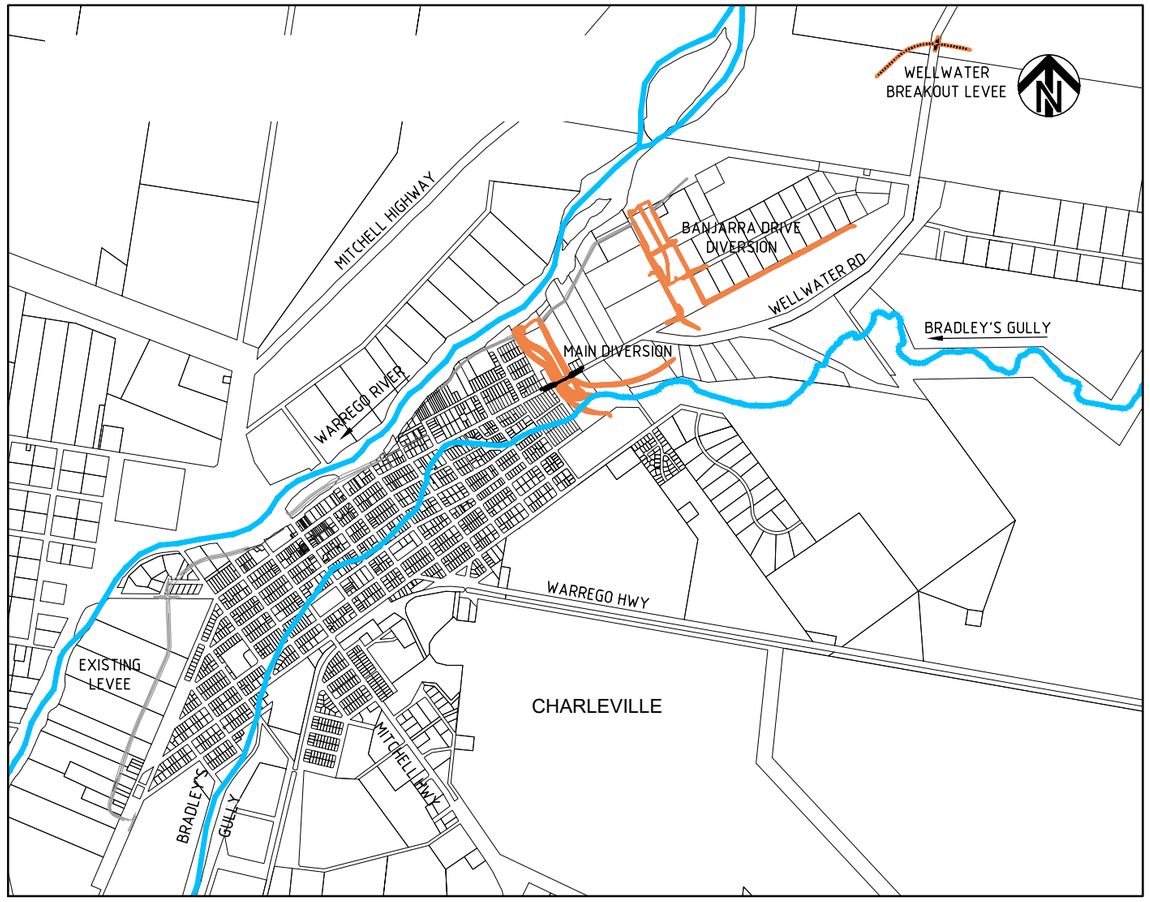
LOCALITY PLAN



LOCATION PLAN

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME: \\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\00 GENERAL\30032562-LP-001.dwg

PLOT DATE: 23 Apr 2021 TIME: 11:21:00

EXTERNAL REFERENCE FILES: x_dfrag_des_12d; X_SDCD; Locality_Charleville_Lge; x_Council_Boundary; x_dfrag_Levee_Base_trim; x_dfrag_des_12d_WBR; x_dfrag_des_12d_Alfred; X_30032562_SMEC_el_MSL

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DEIGN	-	-
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D.LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER: SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT: MURWEH SHIRE COUNCIL

PROJECT TITLE: CHARLEVILLE FLODD LEVEE REMEDIATION WORKS
COVER SHEET AND LOCALITY PLAN

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
AS SHOWN	PRELIM. DEIGN	30032562-00-LP-001	B

150 mm ON ORIGINAL
A1

DRAWING INDEX

DRAWING NUMBER	DRAWING TITLE	REVISION
00 GENERAL		
30032562-00-LP-001	FLOOD LEVEE REMEDIATION - COVER SHEET AND LOCALITY PLAN	B
30032562-00-DI-001	FLOOD LEVEE REMEDIATION - DRAWING INDEX	B
30032562-00-SW-001	FLOOD LEVEE REMEDIATION - SCOPE OF WORKS	B
10 CIVIL		
30032562-10-GA-101	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 1 OF 7	B
30032562-10-GA-102	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 2 OF 7	B
30032562-10-GA-103	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 3 OF 7	B
30032562-10-GA-104	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 4 OF 7	B
30032562-10-GA-105	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 5 OF 7	B
30032562-10-GA-106	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 6 OF 7	B
30032562-10-GA-107	FLOOD LEVEE REMEDIATION - GENERAL ARRANGEMENT SHEET 7 OF 7	B
30032562-10-DA-101	FLOOD LEVEE REMEDIATION -DRAINAGE LAYOUT PLAN SHEET	B
30032562-10-TC-101	FLOOD LEVEE REMEDIATION - TYPICAL CROSS SECTIONS SHEET 1 OF 3	B
30032562-10-TC-102	FLOOD LEVEE REMEDIATION - TYPICAL CROSS SECTIONS SHEET 2 OF 3	B
30032562-10-TC-103	FLOOD LEVEE REMEDIATION - TYPICAL CROSS SECTIONS SHEET 2 OF 3	B

150 mm ON ORIGINAL

A1

DRAWING FILE LOCATION / NAME
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PLOT DATE 23 Apr 2021 TIME 11:54:30

EXTERNAL REFERENCE FILES
X_30032562_LIST_INDEX
X_30032562_SMEC_a1_MSP

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DESIGN		
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

FOR CONSTRUCTION

DESIGNER

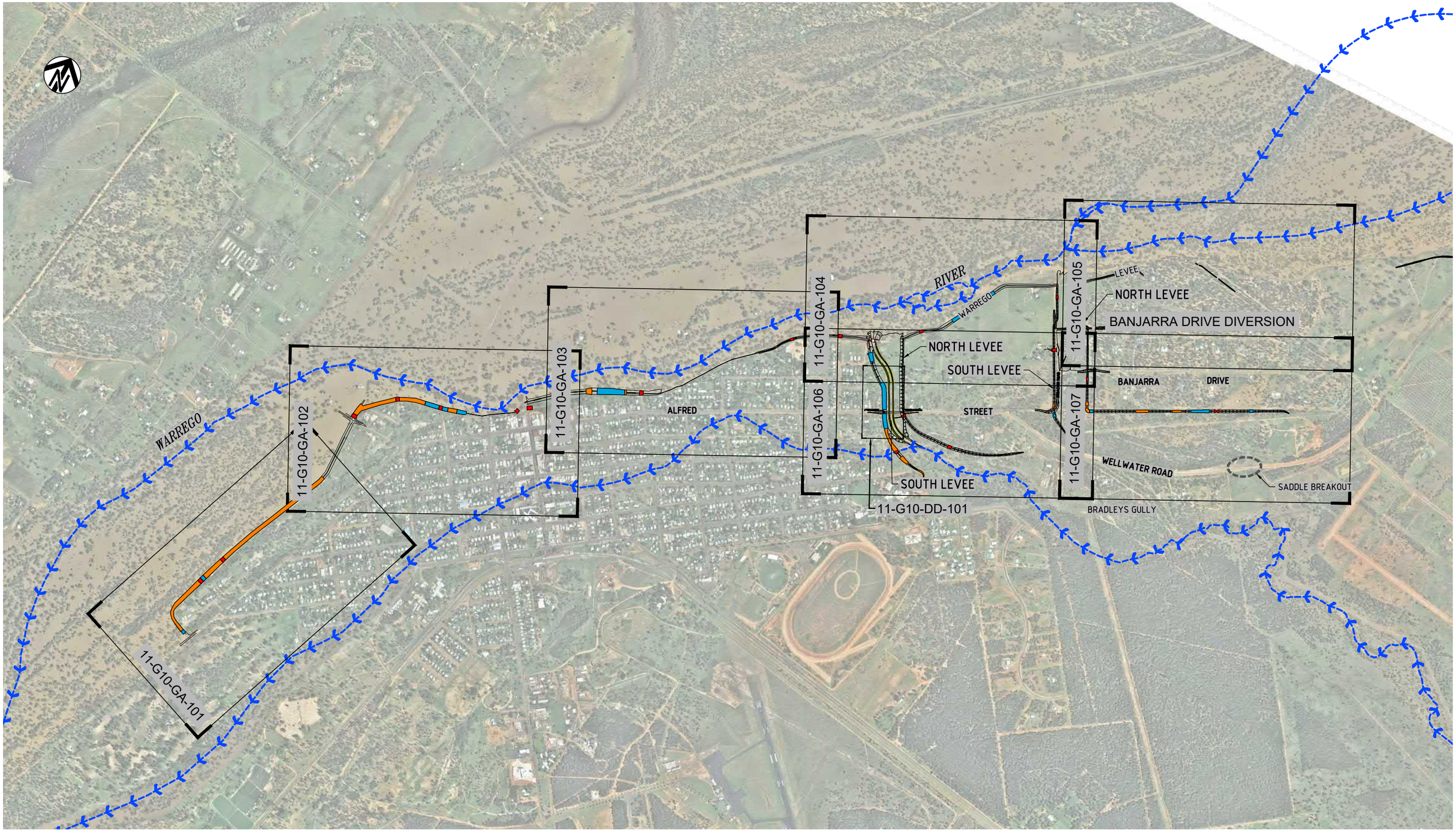
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS
DRAWING INDEX

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-00-DI-001	B



SCOPE OF WORKS & SHEET LAYOUT

SCALE 1:10000

150 mm ON ORIGINAL

A1

DRAWING FILE LOCATION & NAME
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PLOT DATE 23 Apr 2021 TIME 11:31:45

EXTERNAL REFERENCE FILES
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x_droa_des_SW_hatch
X_SRIV
x_droa_levee_bank_trim
x_droa_des_12d_WBR
x_droa_des_12d_Alfred
X_30032562_2000_SHEET_1
X_30032562_FC_Frontmatter
X_30032562_IMAGE_FADED
X_30032562_SMEC_a1_MS
X_30032562_500_SHEET_L1

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
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DESIGN CHECK	A LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

0 100 200 400 600
Full Size 1:10000 ; Half Reduction 1:20000
SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER

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LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

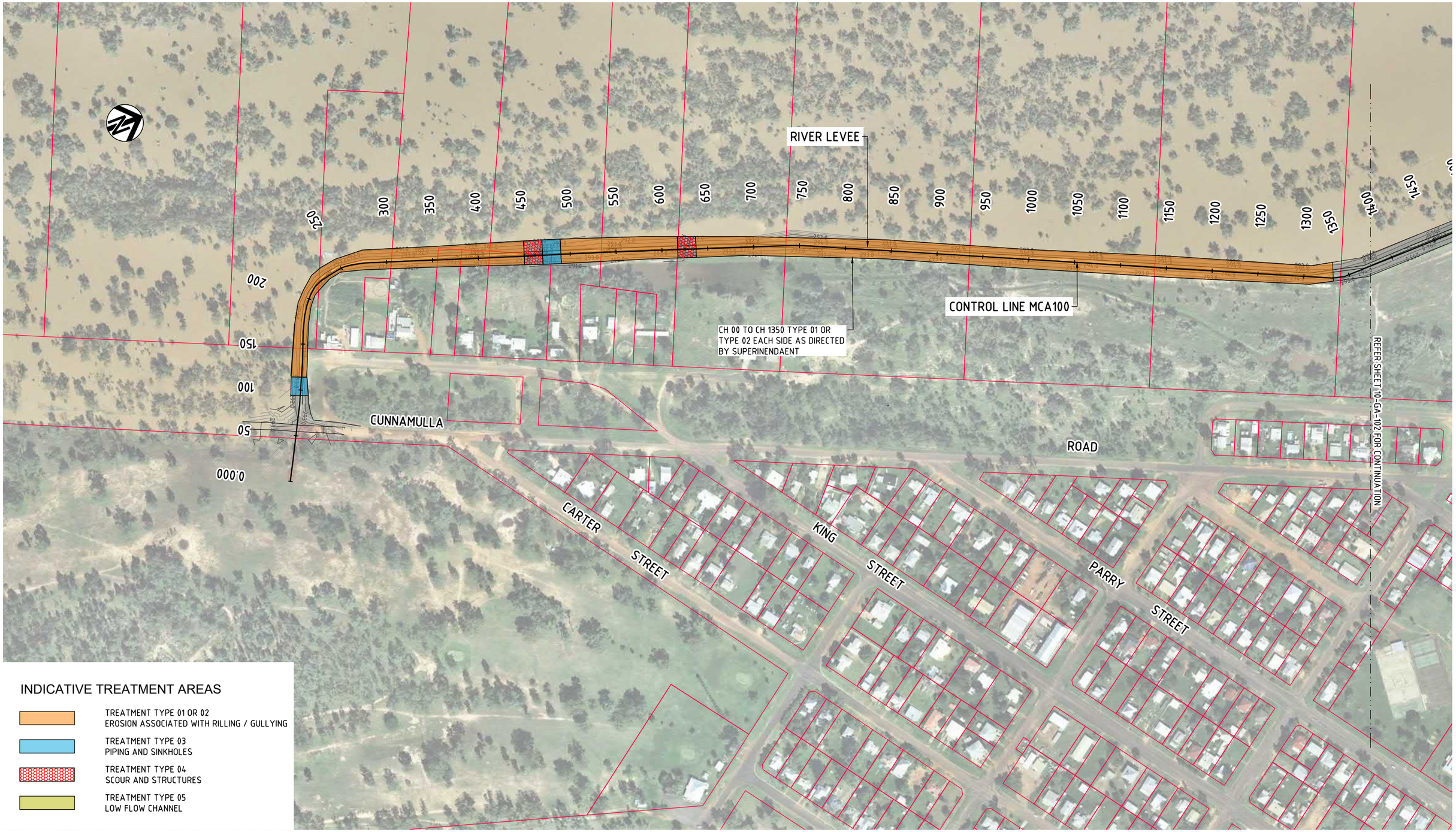
FOR CONSTRUCTION

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE
REMEDIATION WORKS
SCOPE OF WORKS

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-00-SW-001	B



INDICATIVE TREATMENT AREAS

- TREATMENT TYPE 01 OR 02
  EROSION ASSOCIATED WITH RILLING / GULLYING
- TREATMENT TYPE 03
  PIPING AND SINKHOLES
- TREATMENT TYPE 04
  SCOUR AND STRUCTURES
- TREATMENT TYPE 05
  LOW FLOW CHANNEL

NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME
\\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-GA-101.dwg

PLOT DATE 23 Apr 2021 TIME 10:59:36

EXTERNAL REFERENCE FILES
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X_3003262_GA_MASTER
X_DBDY
X_DCON
X_DDRA
X_ddra_plan_TR
x_dra_des_12d
x_dra_des_12d_Alfred
x_dra_des_12d_VBR
X_SVEG
X_SCON
X_SCOND
X_SDRA
X_SDTM
X_SFEE
X_SGEE
X_SGEN
X_SRIV
X_SROA
X_SSTR
X_STEL
x_surv_levee_bank_trim
X_SUTI
X_3003262_GE_Treatment
X_30032562_SHEC_at_MSE
X_3003262_PHASE_FADED
x_dra_int_12d_FADED
x_dra_int_12d_MCA3
x_dra_int_12d_MCA4
x_dra_int_12d_MCA100
x_dra_int_12d_MCA101

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DESIGN		
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TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING
0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER
SMEC
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© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE
REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 1 OF 7

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-10-GAI-101	B

150 mm ON ORIGINAL
A1
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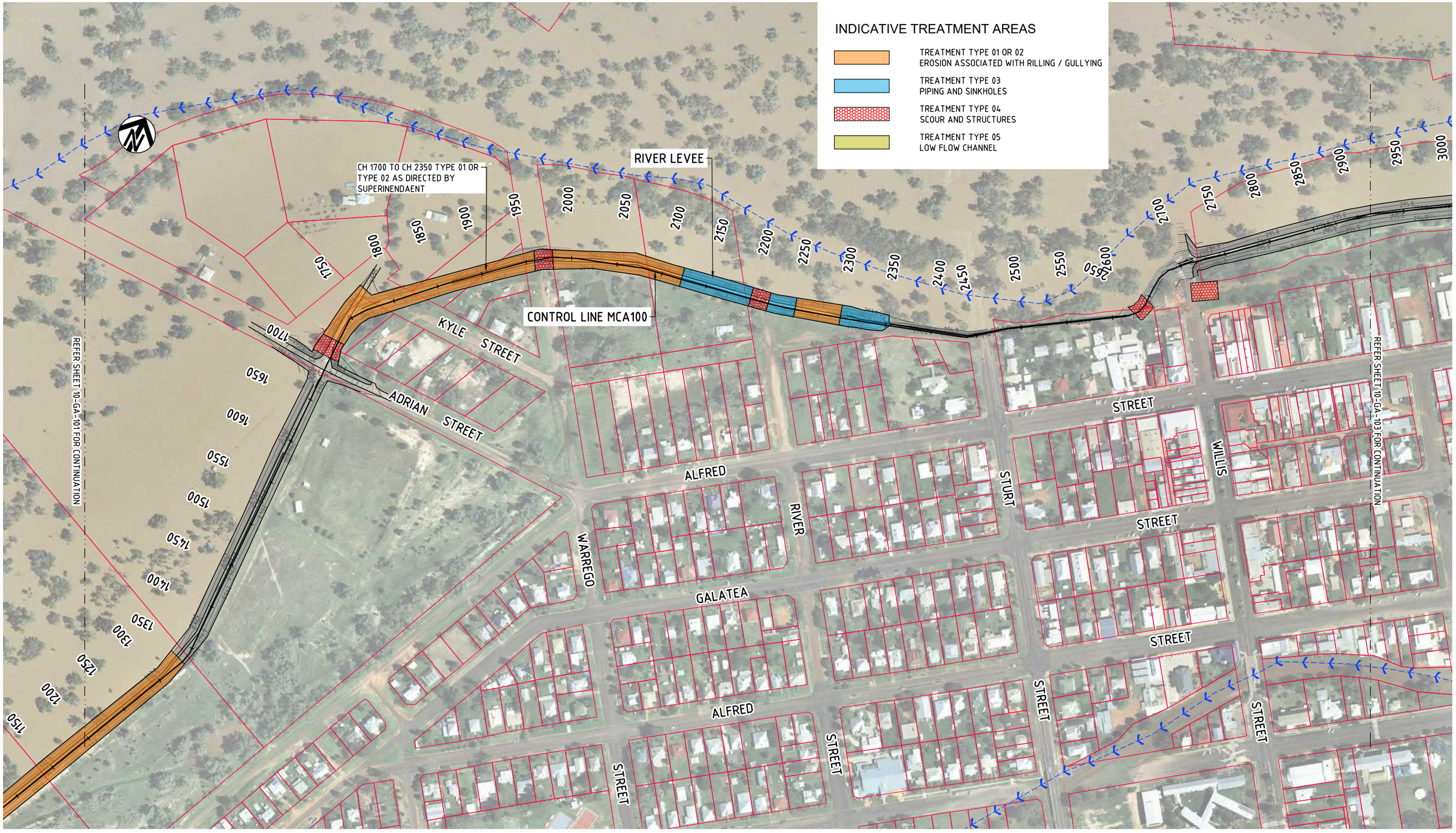

NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
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EXTERNAL REFERENCE FILES

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X_30032562_GA_MASTER
X_DBDY
X_DCON
X_DDRA
X_ddra_plan_TR
x_dra_des_12d
x_dra_des_12d_Alfred
x_dra_des_12d_WBR
X_SVEG
X_SCON
X_SGRO
X_SDRA
X_SDTM
X_SFEE
X_SPEL
X_SGEN
X_SRIV
X_SROA
X_SSTR
X_STEL
x_sur_levee_bank_trim
X_SUTI
X_30032562_GE_Treatment
X_30032562_IMAGE_FADED
X_30032562_SMEC_LOT_1PSC
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x_dra_txt_12d_MCA4
x_dra_txt_12d_MCA10
x_dra_txt_12d_MCA11

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DESIGN		
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER

SMEC
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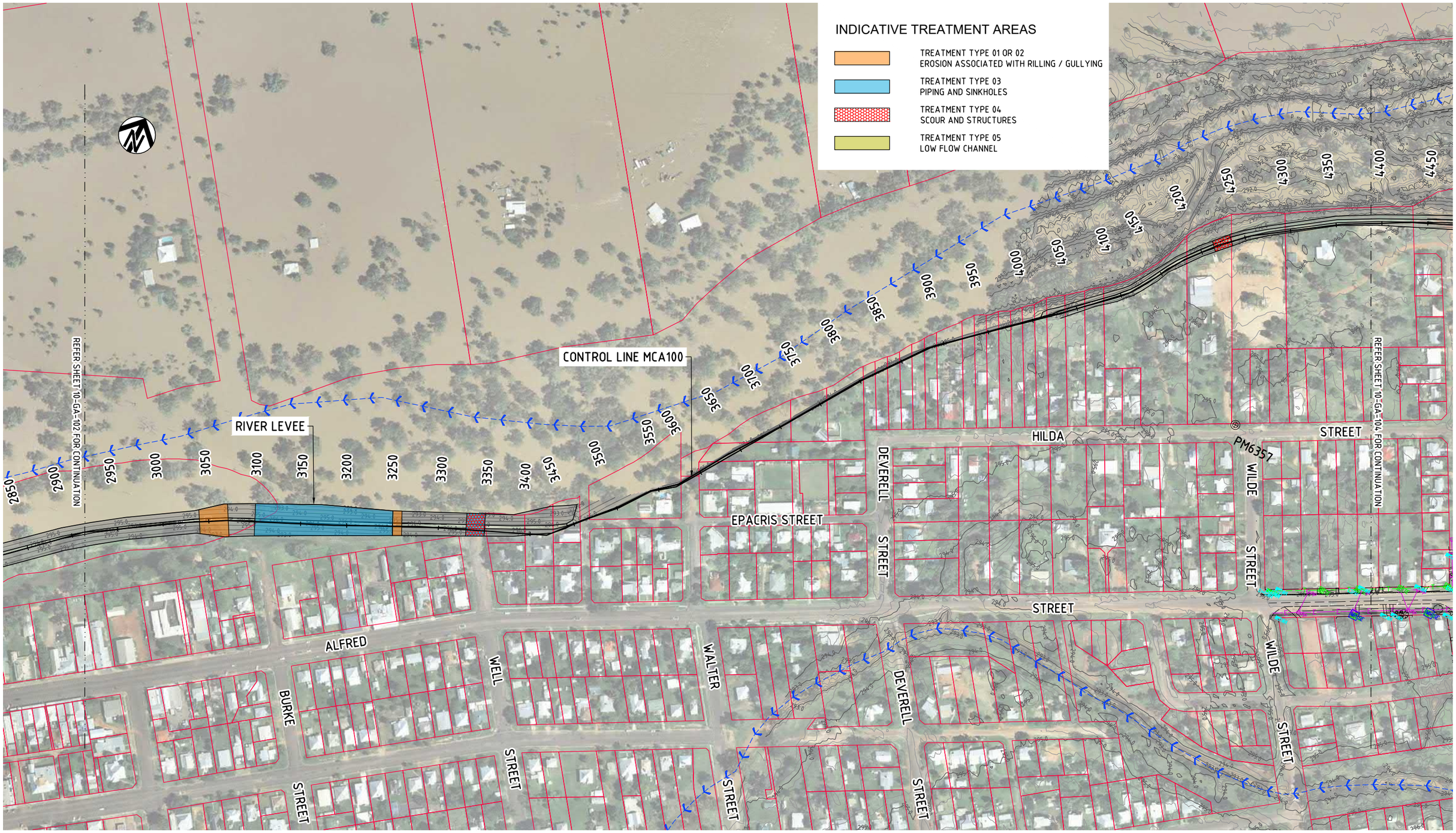
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 2 OF 7

PBPL DRAWING No.	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
	NTS	PRELIM. DESIGN	30032562-10-GAI-102	B

150 mm ON ORIGINAL
A1



NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
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EXTERNAL REFERENCE FILES: X_30032562_2000_SHEET_LA, X_3003262_GA_MASTER, X_DBDY, X_SCON, X_DDRA, x_cdrg_plan_TR, x_drag_des_12d, x_drag_des_12d_Alfred, x_drag_des_12d_WBR, X_SVEG, X_SCON, X_SCRD, X_SDRA, X_SDTM, X_SEEL, X_SEEN, X_SGEN, X_SRIV, X_SSOA, X_SSTR, X_STEL, x_surv_levee_bank_trim, X_SUTT, X_3003262_GE_Treatment, X_3003262_IMAGE_FADED, X_3003262_SMEC_01_MSC, x_drag_txt_12d_MCA, x_drag_txt_12d_MCA3, x_drag_txt_12d_MCA4, x_drag_txt_12d_MCA10, x_drag_txt_12d_MCA11

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DESIGN		
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER

SMEC
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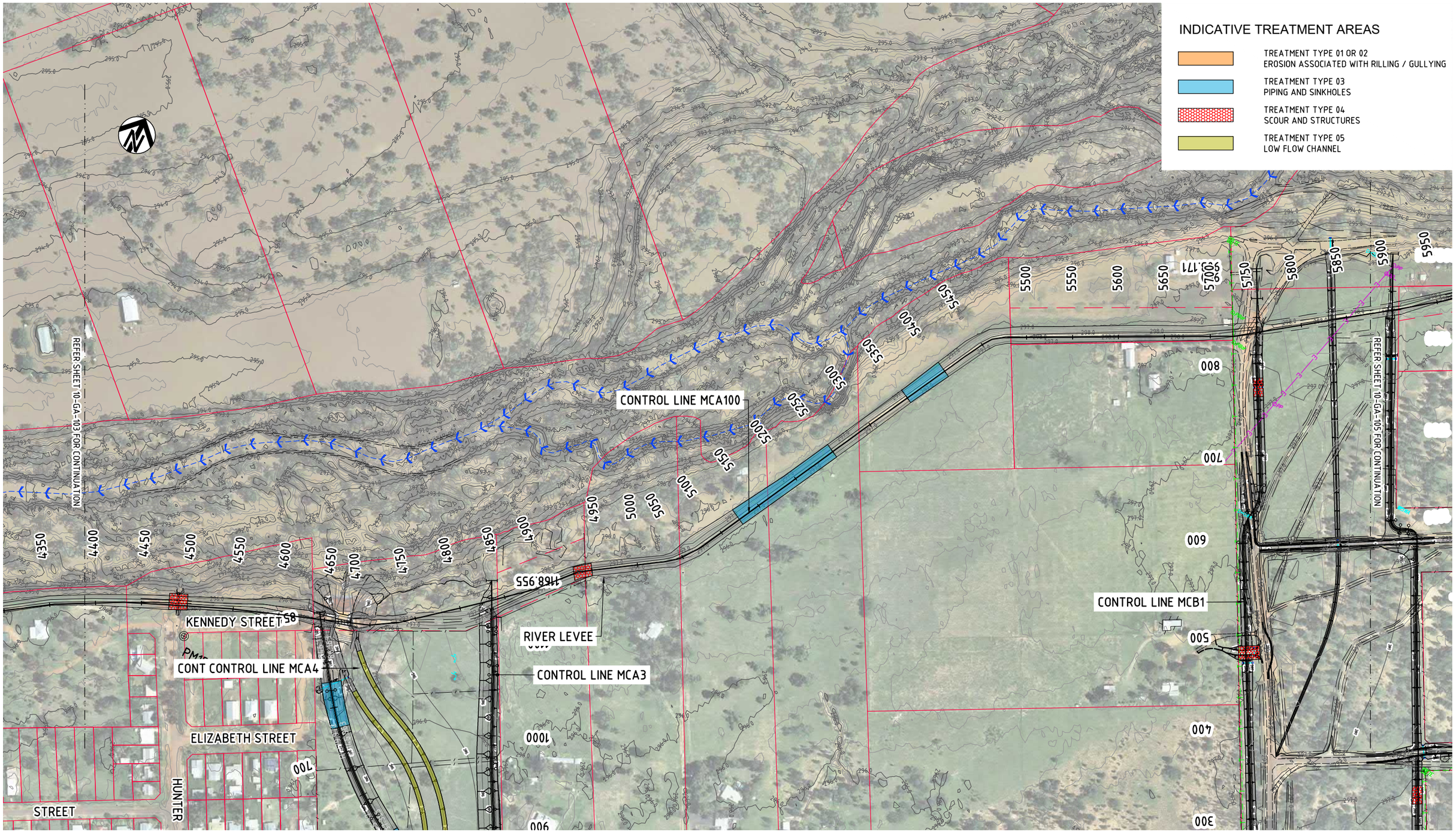
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 3 OF 7

PBPL DRAWING No.	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
	NTS	PRELIM. DESIGN	30032562-10-GAI-103	B

150 mm ON ORIGINAL
A1



NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
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EXTERNAL REFERENCE FILES

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X_3003262_GA_MASTER
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X_DCON
X_DDRA
X_ddra_plan_TR
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x_droa_des_12d_Alfred
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x_droa_des_12d_WBR
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X_SCON
X_SCOD
X_SDRA
X_SDTM
X_SEEE
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X_SROD
X_SSTR
X_STEL
x_surv_levee_bank_trim
X_SUTI
X_3003262_GE_Treatment
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X_30032562_TOPO_TRIM
x_droa_lxt_12d_MCA3
x_droa_lxt_12d_MCA4
x_droa_lxt_12d_MCA100
x_droa_lxt_12d_MCB100

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
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DRAFTER	D. LAMBERT
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DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER

SMEC
Member of the Surbana Jurong Group
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LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

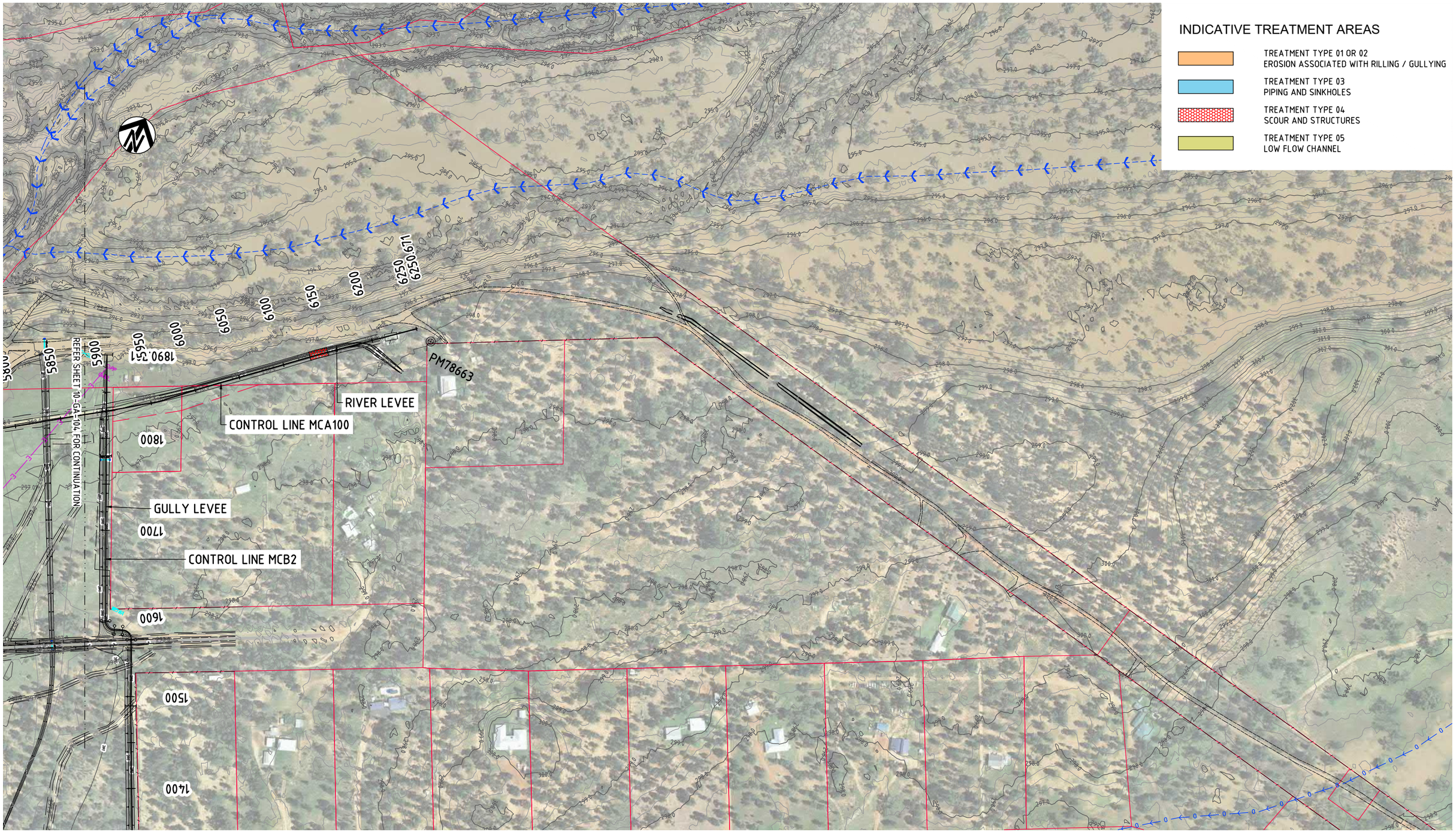
CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE
REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 4 OF 7

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-10-GAI-104	B

150 mm ON ORIGINAL
A1



NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
\\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-GA-105.dwg	23 Apr 2021	11:13:15

EXTERNAL REFERENCE FILES:
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X_3003262_GA_MASTER
X_DBDY
X_DCON
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X_draa_des_12d_Alfred
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X_draa_des_12d_VBR
X_SVEG
X_SCON
X_SCOND
X_SDRA
X_SDTM
X_SFEE
X_SFEN
X_SGEN
X_SRIV
X_SROA
X_SSTR
X_STEL
X_surv_levee_bank_trim
X_SUTI
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X_draa_int_12d_MCA7
X_draa_int_12d_MCA3
X_draa_int_12d_MCA4
X_draa_int_12d_MCA100
X_draa_int_12d_MCB100

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DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING
0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)
ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER
SMEC
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© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

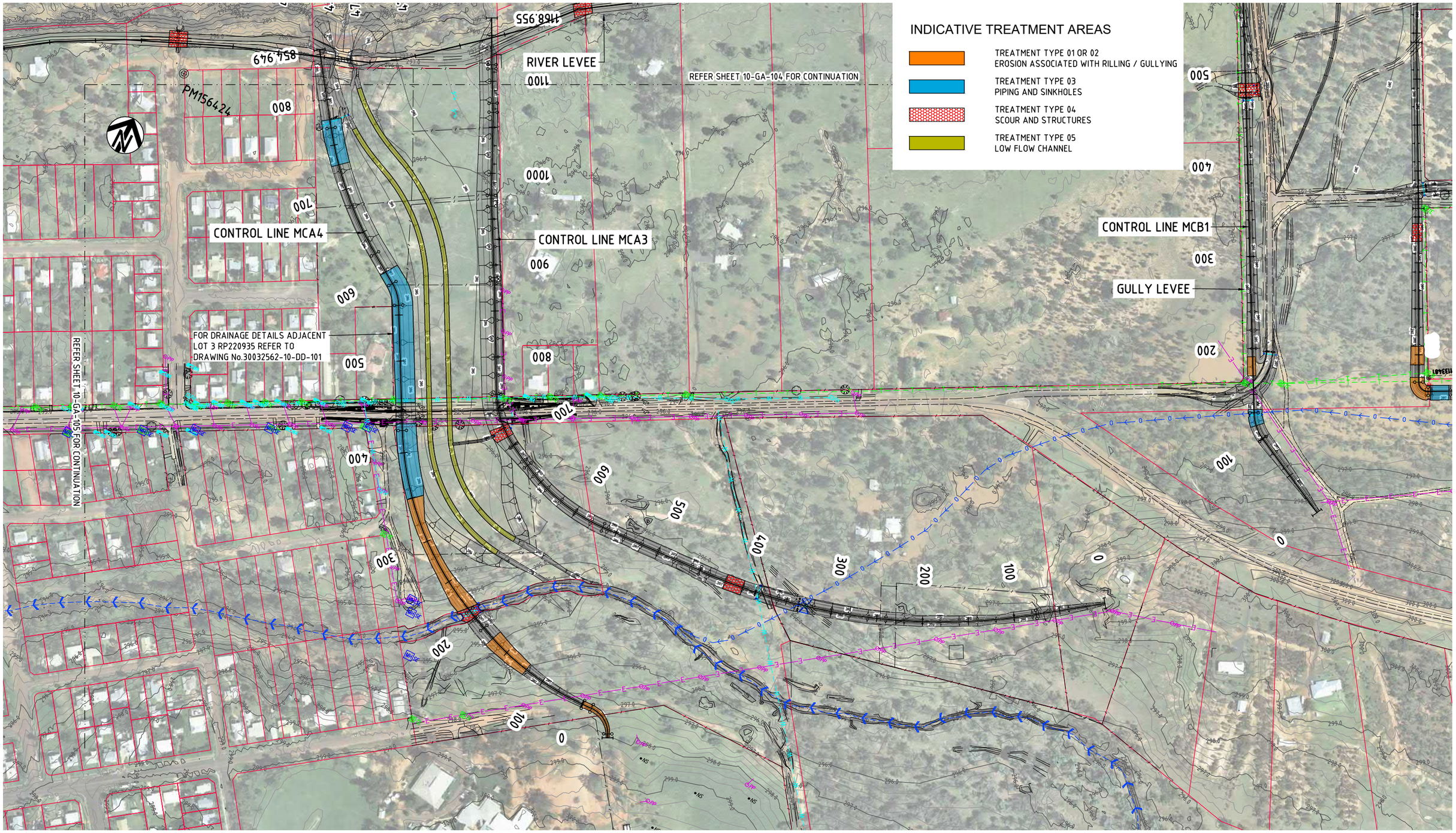
CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 5 OF 7

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-10-GAI-105	B

150 mm ON ORIGINAL
A1



NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
\\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-GA-106.dwg	23 Apr 2021	11:16:46

EXTERNAL REFERENCE FILES: X_30032562_2000_SHEET_LAYOUT_GA, X_3003262_GA_MASTER, X_DBDY, X_DDCON, X_DDRA, X_cdra_plan_TR, X_draa_des_12d, X_draa_des_12d_Alfred, X_draa_des_12d_VBR, X_SVEG, X_SCON, X_SDGD, X_SDRA, X_SDTM, X_SFEL, X_SFEN, X_SGEN, X_SRIV, X_SSDRA, X_SSTR, X_STEL, x_sur_levee_bank_trim, X_SUTI, X_3003262_GE_Treatment, X_3003262_IMAGE_FADED, X_30032562_SMEC_ba_MSL, X_draa_txt_12d_MCB1, X_draa_txt_12d_MCA3, X_draa_txt_12d_MCA4, X_draa_txt_12d_MCA1V0, X_draa_txt_12d_MCB1V0

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DESIGN		
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING

0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

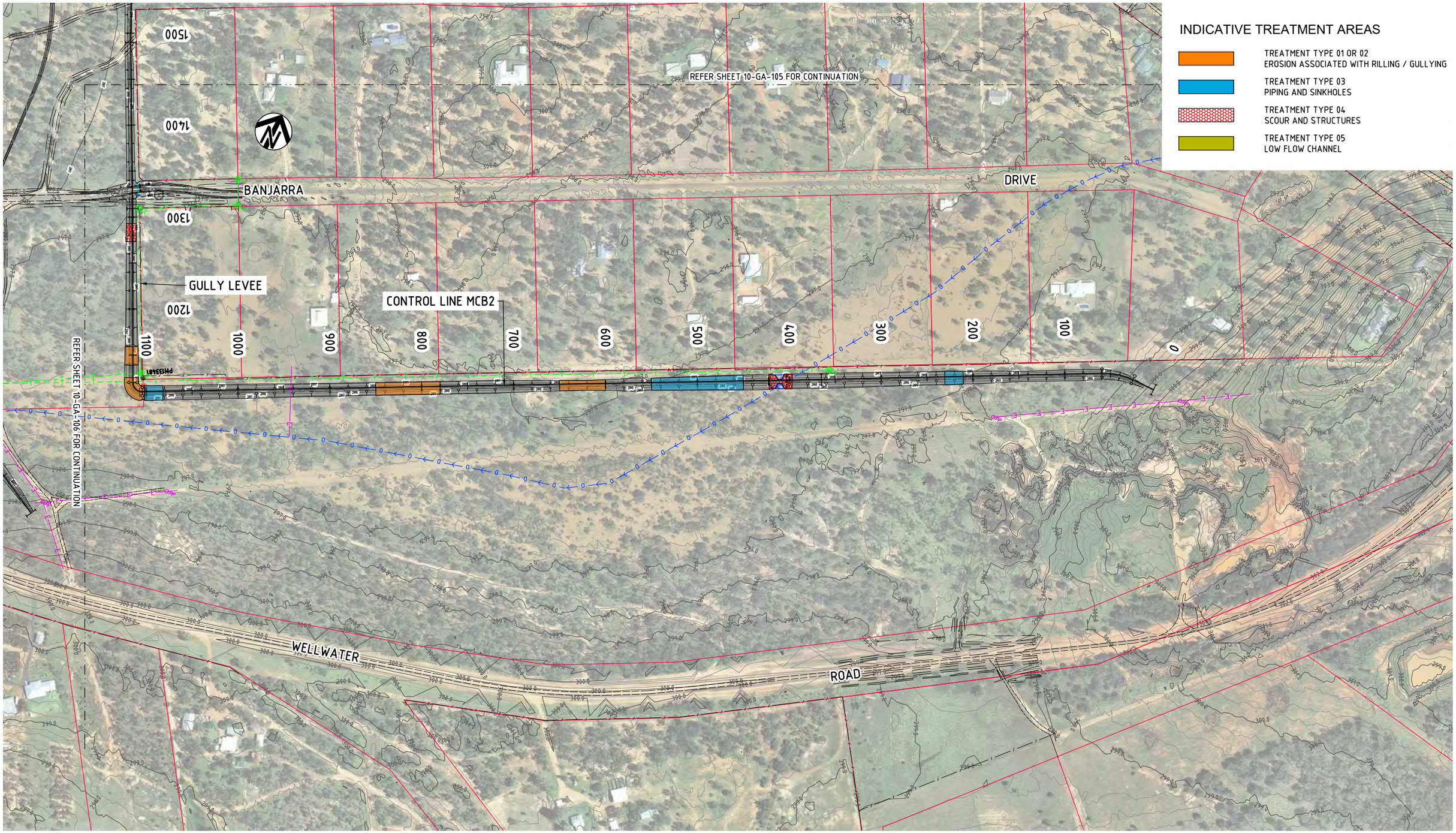
CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 6 OF 7

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-10-GAI-106	B

150 mm ON ORIGINAL
A1



NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME: \\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-GA-107.dwg

PLOT DATE: 23 Apr 2021 TIME: 11:20:20

EXTERNAL REFERENCE FILES:
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X_3003262_GA_MASTER
X_DBDBY
X_DDCON
X_DDRA
X_cdra_plan_TR
X_dres_des_12d
X_dres_des_12d_Alfred
X_dres_des_12d_VBR
X_SVEG
X_SCON
X_SGOLD
X_SDRA
X_SDTM
X_SGEL
X_SFEL
X_SGEN
X_SRIV
X_SDDRA
X_SSTR
X_STEL
x_surv_levee_bank_trim
X_SUTIL
X_3003262_GE_Treatment
X_3003262_IMAGE_FADED
X_30032562_SMEC_Base_MSL
X_dres_txt_12d_MCA2
X_dres_txt_12d_MCA3
x_dres_txt_12d_MCA4
x_dres_txt_12d_MCA10
x_dres_txt_12d_MCB1

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DESIGN		
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING
0 20 40 80 120
Full Size 1:2000 ; Half Reduction 1:4000
SCALE (m)
ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS
GENERAL ARRANGEMENT
SHEET 7 OF 7

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-10-GAI-107	B

150 mm ON ORIGINAL
A1
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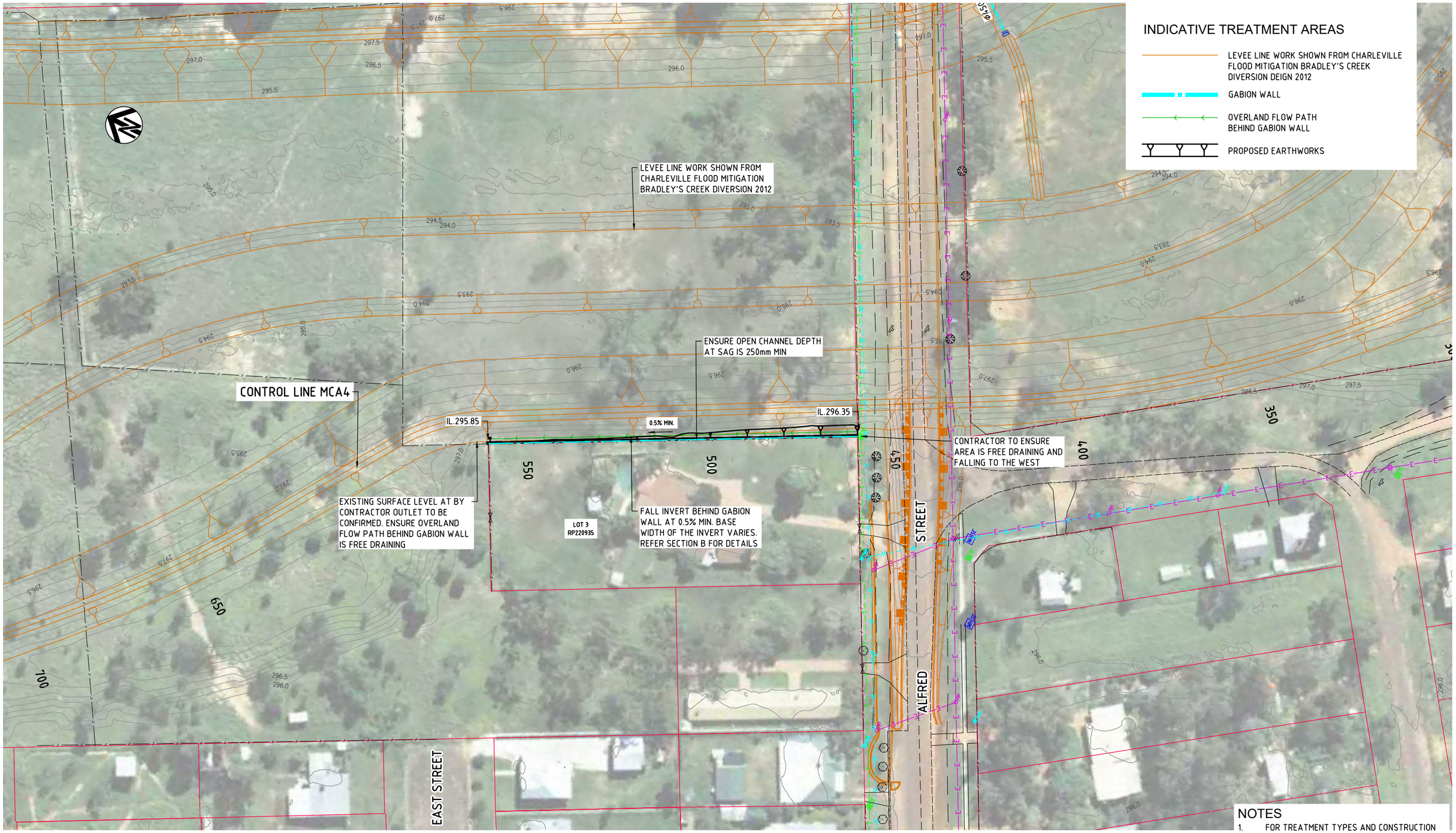

NOTES

1. FOR TREATMENT TYPES AND CONSTRUCTION SEQUENCING REFER DRAWING 30032562-10-TC-101 TO 103.
2. DESIGN HAS BEEN CARRIED OUT USING SURVEY PROVIDED BY THE CLIENT. THE SURVEY HAS BEEN DERIVED FROM AN ARBITRARY SITE DATUM AND HAS BEEN ADJUSTED VERTICALLY TO SUIT KNOW POINTS IN THE SURVEYED AREA. ALL DESIGN LEVELS TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION.

FOR CONSTRUCTION

150 mm ON ORIGINAL

A1

DRAWING FILE LOCATION / NAME: \\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-DD-101.dwg

PLOT DATE: 23 Apr 2021 TIME: 10:56:12

EXTERNAL REFERENCE FILES: X_30032562_SMEC_01_MSI; X_3003262_DD_MASTER; X_DDRA; X_dra_plan_TR; X_dra_des_12d; X_dra_des_12d_Alfred; X_dra_des_12d_WBR; X_SVCE; X_SDCD; X_SDRA; X_SDTM; X_SDTE; X_SPEN; X_SGEN; X_SROA; X_SSTR; X_STEL; X_survey_levee_bank_trim; X_SUTI; X_3003262_IMAGE_FADED; x_dra_ix_12d_MCB2; x_dra_ix_12d_MCA3; x_dra_ix_12d_MCA4; x_dra_ix_12d_MCA100; x_dra_ix_12d_MCB1; X_30032562_TOP_SHEET_LAYOUT_DD; X_30032562_DROA_12D; X_DBDY; X_DROY; X_30032562_CB_Treatment; X_SCON_LEVEE_REMEDIATION

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
	5/3/2021	PRELIMINARY DESIGN		
	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D. LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING: 0 5 10 20 30 — Full Size 1:500 ; Half Reduction 1:1000 SCALE (m)

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER: SMEC — Member of the Surbana Jurong Group
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LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT: MURWEH SHIRE COUNCIL

PROJECT TITLE: CHARLEVILLE FLOOD LEVEE REMEDIATION WORKS

DRAINAGE LAYOUT PLAN

PBPL DRAWING No.

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
NTS	PRELIM. DESIGN	30032562-10-DD-101	B

TYPE 01 – EROSION ASSOCIATED WITH RILLING (LESS THAN 0.5m DEEP)

1. ACTUAL BATTER SLOPES COULD VARY FROM IFC DRAWINGS.

TYPICAL CONSTRUCTION SEQUENCING

CS1 REMOVE RILLS ASSOCIATED WITH EROSION WITH EXCAVATOR OR GRADER.

CS2 SCARIFY THE SURFACE OF THE BUND AND RECOMPACT AND PROOF ROLL.

CS3 PLACE TYPE B EARTH FILL AND COMPACT IN 300mm (MAX) LAYERS TO MINIMUM 98% MDD AND ±2% OMC TO THE 'AS BUILT' EARTHWORKS PROFILE.

CS4 REESTABLISH THE PROTECTIVE COVER USING TOPSOIL, SEED AND HYDROMULCH.

CS5 CONSTRUCT THE LEVEE TRACK (150mm THICK) AS REQUIRED IN TRAFFICABLE AREAS ACCORDING TO MRTS05 TYPE 4 MATERIALS.

CS6 WHERE VEHICLE TRAFFIC OR LIVESTOCK TRAFFIC RELATED EROSION OBSERVED, SIMILAR APPROACH SHOULD BE ADHERED TO RECTIFY THE EROSION. FENCING OFF THE TRAFFIC SECTIONS IS RECOMMENDED ACCORDING TO DTMR STANDARD DRAWING 1600 OR 1601.

CS7 WHERE TREES OBSERVED WITHIN THE LEVEE FOOTPRINT PLUS 3.0m EITHER SIDE OF THE TOE, (EXCLUDING LARGER RIVER RED GUMS OR OTHER CHARACTER TREES) REMOVE THE TREES INCLUDING ROOTS. PROPERLY BACKFILL VOID LEFT BY THE TREE STUMP WITH TYPE B EARTH FILL AND COMPACT TO MINIM 98% MCDD AND ±2% OMC.

TYPE 02 – EROSION ASSOCIATED WITH GULLYING (GREATER THAN 0.5m DEEP)

1. ACTUAL BATTER SLOPES COULD VARY FROM IFC DRAWINGS.

TYPICAL CONSTRUCTION SEQUENCING

CS1 EXCAVATE THE ERODED MATERIAL IN THE GULLY.

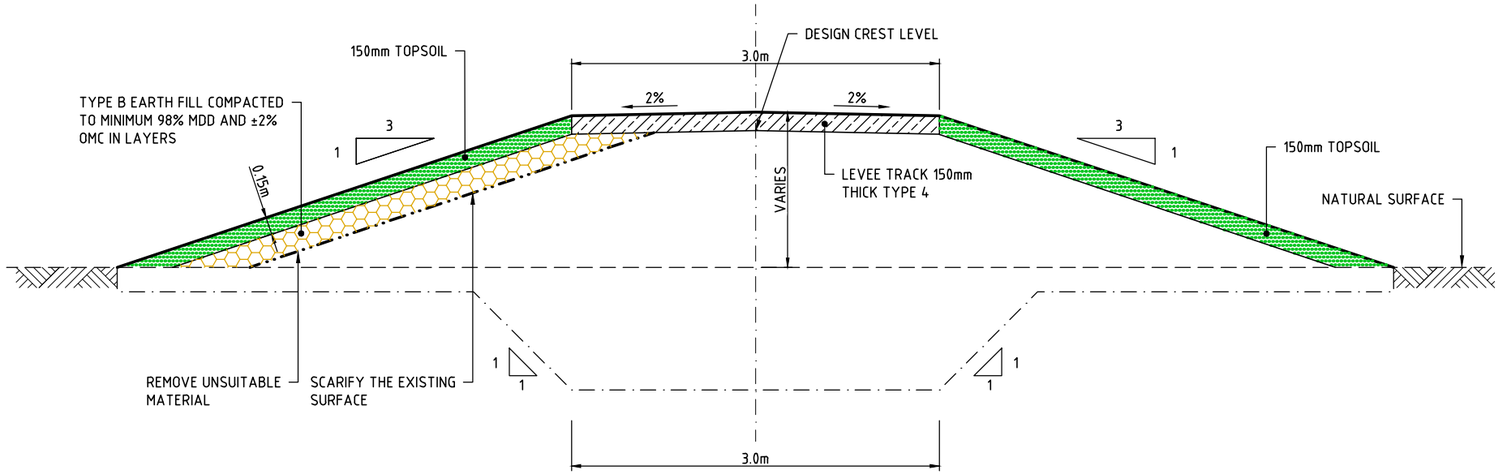
CS2 WHERE DEEPER (>0.5m) EROSION GULLYING IS PRESENT, LOOSE MATERIAL SHALL BE EXCAVATED AND TYPE B OR C FILL SHALL BE 'BENCHED IN' AS PER MRTS04 (2020) FIGURE 14.3.3(A).

CS3 PLACE TYPE B EARTH FILL AND COMPACT IN 300mm (MAX) LAYERS TO MINIMUM 98% MDD AND ±2% OMC TO THE 'AS BUILT' EARTHWORKS PROFILE. TYPE D MATERIAL WITH GEOTEXTILE (TEXCEL 400R OR EQUIVALENT) TO BE USED IN LIEU OF TYPE B AROUND STRUCTURES.

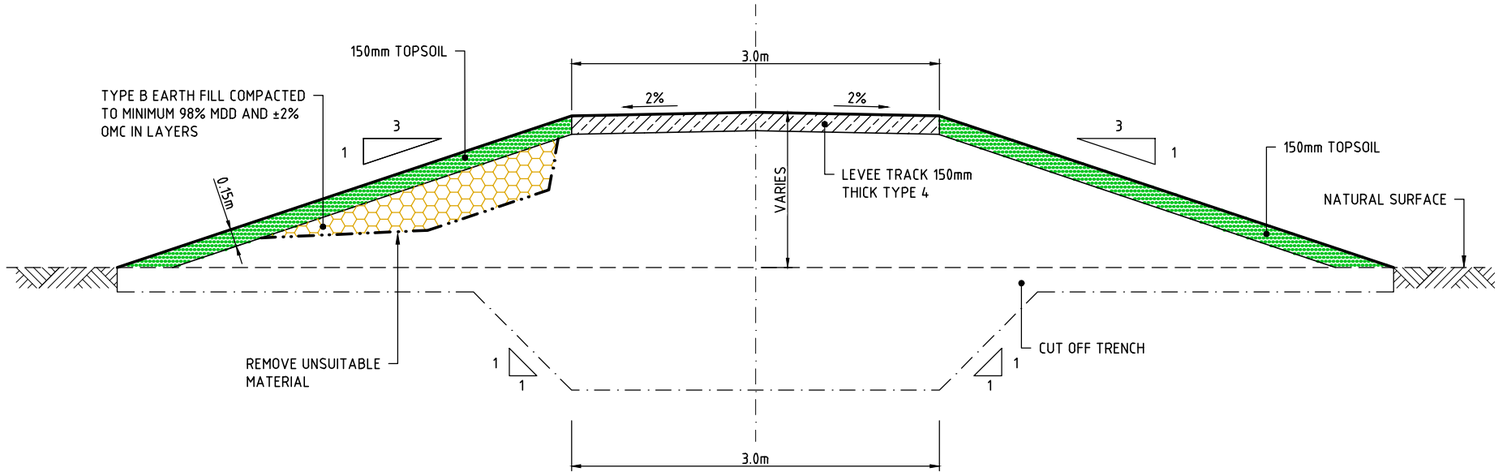
CS4 REESTABLISH THE PROTECTIVE COVER USING TOPSOIL. SEED AND HYDROMULCH.

CS5 CONSTRUCT THE LEVEE TRACK (150mm THICK) AS REQUIRED IN TRAFFICABLE AREAS ACCORDING TO MRTS05 TYPE 4 MATERIALS.

CS6 WHERE TREES OBSERVED WITHIN THE LEVEE, REMOVE THE TREES INCLUDING ROOTS. PROPERLY BACKFILL VOID LEFT BY THE TREE STUMP WITH TYPE B EARTH FILL AND COMPACT TO MINIM 98% MCDD AND ±2% OMC.



TYPE 1 - EROSION RILLING
SCALE 1:25 (A1)
1:50 (A3)



TYPE 2 - EROSION GULLYING
SCALE 1:25 (A1)
1:50 (A3)

NOTES

1. FOR LOCATION OF TREATMENT REFER DRAWING NUMBERS 30032562-10-GA-101 TO 107.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
\\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-TC-101.dwg	23 Apr 2021	11:58:13

EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
X_30032562_X_Sections_TYP	A	5/3/2021	PRELIMINARY DEIGN	-	-
X_30032562_Notes	B	21/4/2021	FOR CONSTRUCTION		
X_30032562_SMEC_q1_MSC					

TITLE	NAME
DRAFTER	D.LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING
1:25 (A1) 0.25 0 0.50 1.00
1:50 (A3)
ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLOOD MITIGATION
BRADLEY'S GULLY DIVERSION
GEOTECHNICAL DETAILS
TYPCAL CROSS SECTIONS
SHEET 1 OF 3

PBPL DRAWING No.	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
	1:25	PRELIM. DESIGN	30032562-10-TC-101	B

150 mm ON ORIGINAL
A1

TYPE 03 – REMOVE AND REPLACE FOR PIPING AND SINKHOLES (INCLUDING CULVERT 103)

1. ACTUAL BATTER SLOPES COULD VARY FROM IFC DRAWINGS.
2. BATTER SLOPE IS 1(H) IN 6(V) ON WET SIDE OF CONTROL LINES MCA4 AND MCA3.

TYPICAL CONSTRUCTION SEQUENCING

CS1 EXCAVATE THE PIPING CHANNELS TO THEIR FULL EXTENT, UNTIL TIGHTLY BOUND SURFACE REACHED.

CS2 SCARIFY THE SURFACE COMPACT AND PROOF ROLL WHERE NECESSARY.

CS3 PLACE TYPE B EARTH FILL AND COMPACT IN 300mm (MAX) LAYERS TO MINIMUM 98% MDD AND ±2% OMC TO THE 'AS BUILT' EARTHWORKS PROFILE.

CS4 WHERE DEEPER (>0.5m) LOOSE MATERIAL SHALL BE EXCAVATED AND TYPE B OR C FILL SHALL BE 'BENCHED IN' AS PER MRTS04 (2020) FIGURE 14.3.3(A)

CS5 REESTABLISH THE PROTECTIVE COVER USING TOPSOIL. SEED AND HYDROMULCH.

CS6 CONSTRUCT THE LEVEE TRACK (150mm THICK) AS REQUIRED IN TRAFFICABLE AREAS ACCORDING TO MRTS05 TYPE 4 MATERIALS.

TYPE 04 – SCOUR AT STRUCTURES AND CULVERT OUTLETS TYPICAL CONSTRUCTION SEQUENCE

CS1 CLEANOUT THE SCOURED AREA AND REMOVE THE ERODED MATERIAL.

CS2 PLACE GEOTEXTILE (TEXCEL 400R OR EQUIVALENT) AND TYPE D ROCK FILL.

TYPE 05 – BRADLEYS GULLY CHANNEL AREA

1. FOR DETAILS OF SURFACE EROSION PROTECTION REFER TO THE ORIGINAL IFC DRAINAGE DRAWINGS.
2. ACTUAL BATTER SLOPES COULD VARY FROM IFC DRAWINGS.

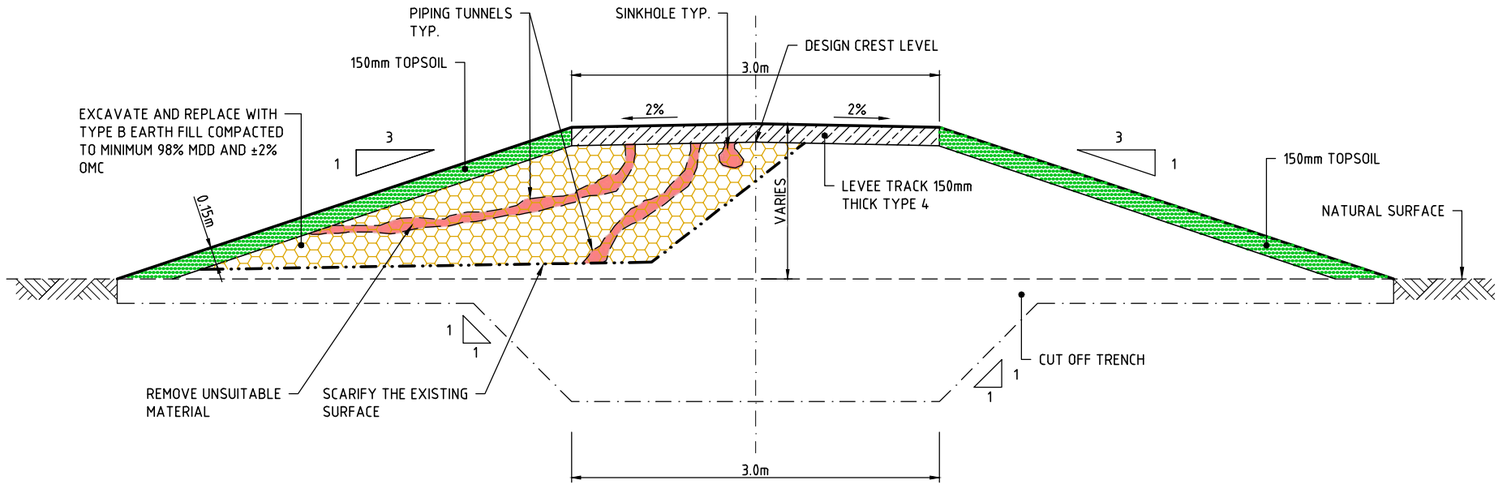
TYPICAL CONSTRUCTION SEQUENCING

SC1 IDENTIFY AND REMOVE UNSUITABLE MATERIAL IN ERODED SECTIONS. PEEL OFF THE REINFORCED MATTING IN THESE SECTIONS AND RETAIN FOR REINSTATEMENT.

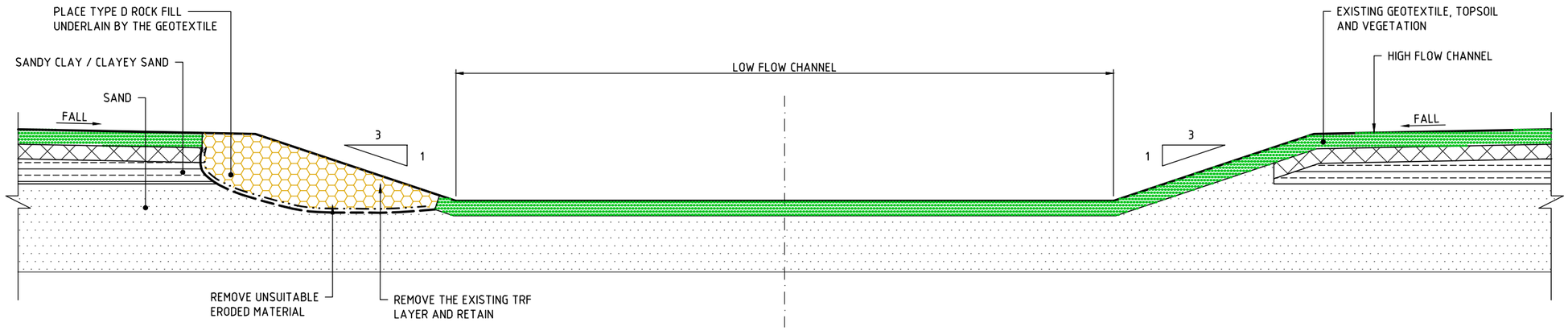
SC2 SCARIFY THE SURFACE WHERE REQUIRED.

SC3 PLACE GEOTEXTILE (NON–WOVEN, GEOFABRICS TEXCEL 400R OR APPROVED EQUIVALENT).

CS4 PLACE TYPE D MATERIAL.



TYPE 3 - PIPING AND SINK HOLES
SCALE 1:25 (A1)
1:50 (A3)



TYPE 5 - REMEDIATION OF LOW FLOW CHANNEL
TYPICAL SECTION
SCALE 1:25 (A1)
1:50 (A3)

NOTES

1. FOR LOCATION OF TREATMENT REFER DRAWING NUMBERS 30032562-10-GA-101 TO 107.

FOR CONSTRUCTION

150 mm ON ORIGINAL

DRAWING FILE LOCATION / NAME	PLOT DATE	TIME
\\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-TC-102.dwg	23 Apr 2021	12:02:14

EXTERNAL REFERENCE FILES: X_30032437_SMEC_a1_Dwg; X_30032562_X_Sections_; X_30032562_Notes

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DEIGN	-	-
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D.LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING
1:25 (A1) 0.25 0 0.50 1.00
1:50 (A3)
ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

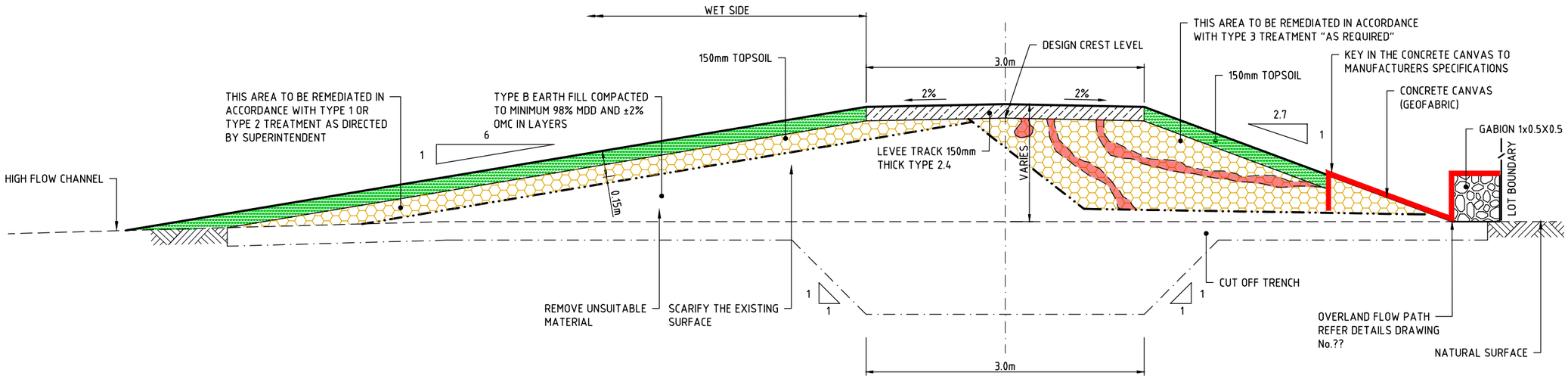
DESIGNER
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT
MURWEH SHIRE COUNCIL

PROJECT TITLE
CHARLEVILLE FLODD MITIGATION
BRADLEY'S GULLY DIVERSION
GEOTECHNICAL DETAILS
TYPCAL CROSS SECTIONS
SHEET 2 OF 3

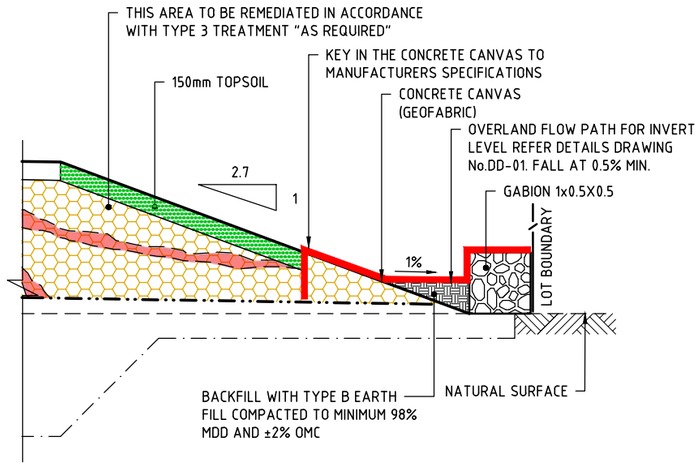
PBPL DRAWING No.	SCALE	PHASE	PROJECT / DRAWING No.	REVISION
	1:25	PRELIM. DESIGN	30032437-GE-1032	B

A1



TYPICAL GABION WALL DETAIL
CH450 - CH600 BRADLEYS GULLY

SCALE 1:25 (A1)
1:50 (A3)



TYPICAL GABION WALL DETAIL ADJACENT
LOT3 RP220935 ALFRED STREET

SCALE 1:25 (A1)
1:50 (A3)

NOTES

1. FOR LOCATION OF TREATMENT REFER DRAWING NUMBERS 30032562-10-GA-101 TO 107.

FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME: \\filer.nasuni.local\smecanz\CADD\Projects\300325\30032562\CADD\CAD\ACAD DWG\10 CIVIL\30032562-TC-103.dwg

PLOT DATE: 23 Apr 2021 TIME: 12:04:10

EXTERNAL REFERENCE FILES: X_30032437_SMEC_a1_Dwg; X_30032562_X_Sections_; X_30032562_Notes

REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL
A	5/3/2021	PRELIMINARY DEIGN	-	-
B	21/4/2021	FOR CONSTRUCTION		

TITLE	NAME
DRAFTER	D.LAMBERT
DRAFTING CHECK	E. O'BRIEN
DESIGNER	W. PREMADASA
DESIGN CHECK	A. LAW
RPEQ NAME	E. O'BRIEN 18198
RPEQ No. / DATE	A LAW 14276

SCALES AT A1 SIZE DRAWING: 1:25 (A1) 1:50 (A3) 0.25 0 0.50 1.00

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)

DESIGNER: SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
LEVEL 6 480 ST PAULS TERRACE
FORTITUDE VALLEY QLD. 4006
PH 07 3029 6600 FAX 07 3029 6650
SMEC PROJECT No 30031876

CLIENT: MURWEH SHIRE COUNCIL

PBPL DRAWING No.

PROJECT TITLE: CHARLEVILLE FLODD MITIGATION
BRADLEY'S GULLY DIVERSION
GEOTECHNICAL DETAILS
TYPCAL CROSS SECTIONS
SHEET 3 OF 3

SCALE	PHASE	PROJECT / DRAWING No.	REVISION
1:25	PRELIM. DESIGN	30032437-GE-1033	B

150 mm ON ORIGINAL
A1