

**HAYSTONE
INDUSTRIAL SUBDIVISION
140-204 WESTERN AVENUE, WESTMEADOWS
HUME CITY COUNCIL**

FOR



**CIVIL DRAWINGS
ROADS, DRAINAGE AND SEWER CONCEPTUAL DESIGN**

DCE REF: 17220.2C
MELWAY REF: 5 F6

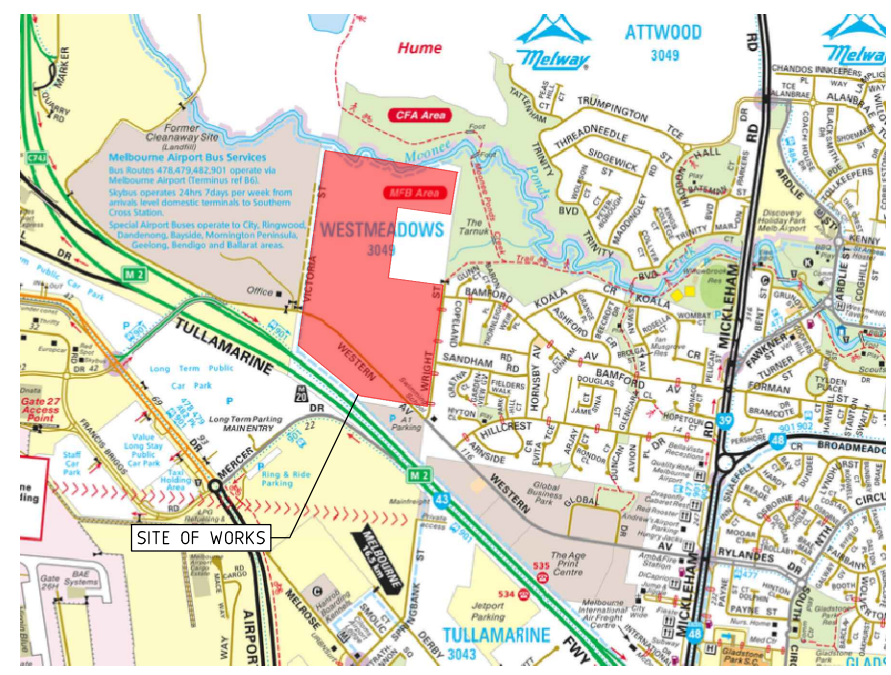
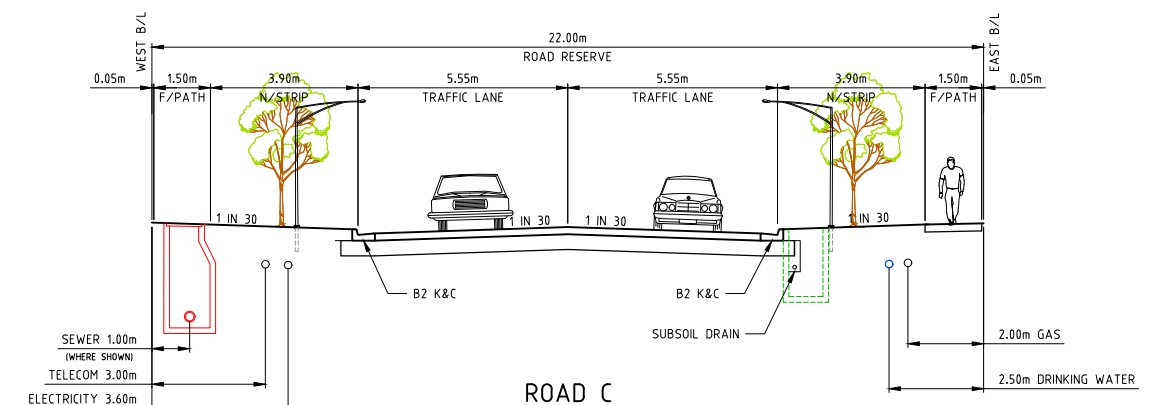
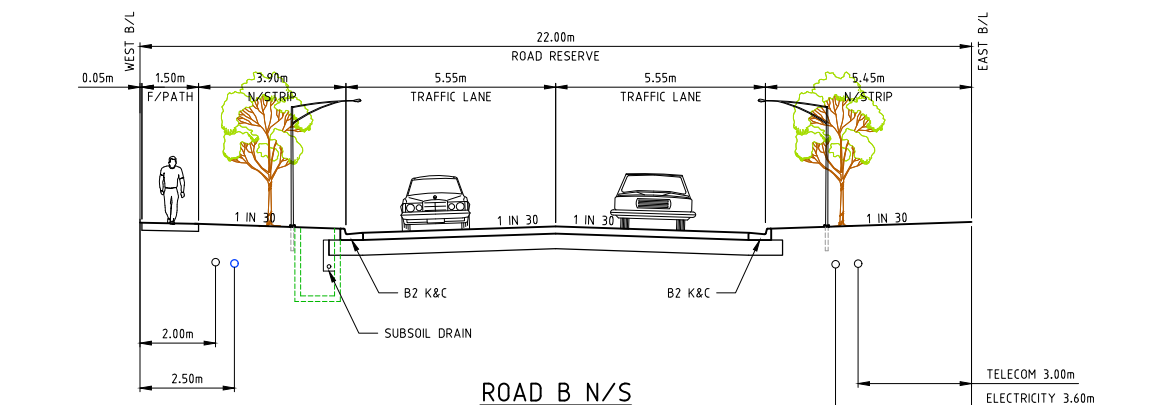
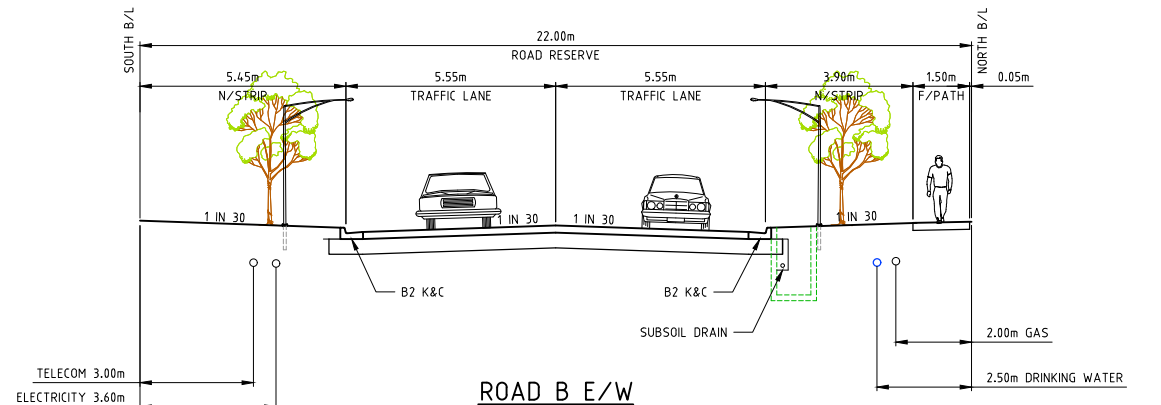
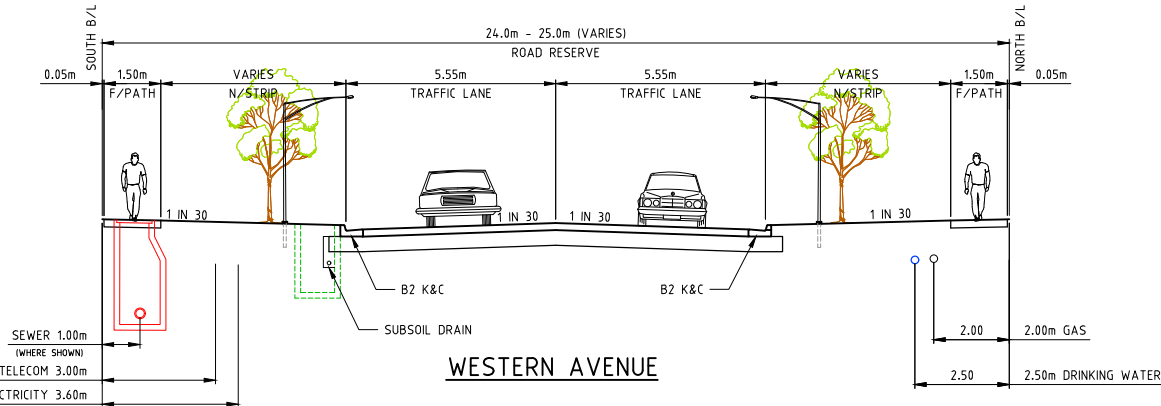
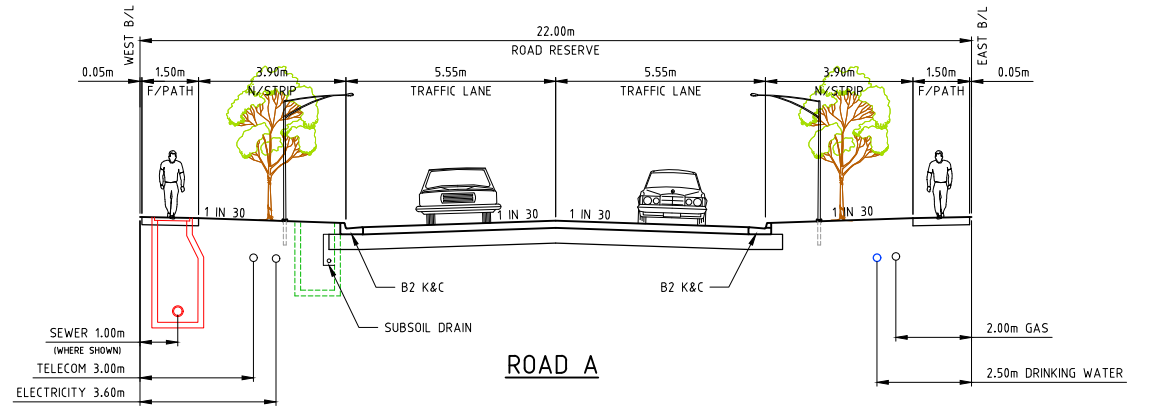
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Date/Time: Mon Oct 24, 2022 - 10:53am --wskj/n/v--

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CONCEPT



LOCALITY PLAN
MELWAYS: 5 F6
SCALE @ A1: N.T.S.

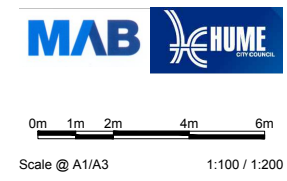
DRAWING INDEX

SHEET No.	DRAWING No.	DESCRIPTION
01	17220.2CTD01	LOCALITY PLAN AND DRAWING INDEX
02	17220.2CLP01	LAYOUT PLAN
03-09	17220.2CDP01-07	DETAIL PLAN, SHEETS 01 TO 07
10	17220.2CSOP01	SETOUT DETAILS
11-14	17220.2CSS01-04	SITE SECTIONS, SHEETS 01 TO 04
15-22	17220.2CLS01-08	ROAD LONGITUDINAL SECTIONS, SHEETS 01 TO 08
23-24	17220.2CRW01-02	RETAINING WALL PLAN, SHEET 01 TO 02
25-29	17220.2CRW03-07	RETAINING WALL LONGITUDINAL SECTIONS, SHEET 01 TO 05
30	17220.2CEW01	EARTHWORKS PLAN
31-46	17220.2CDR01-16	DRAINAGE LONGITUDINAL SECTIONS, SHEETS 01 TO 16
47-52	17220.2CLS01-06	SEWER LONGITUDINAL SECTIONS, SHEETS 01 TO 06
53-54	17220.2WSS01-02	BIO-RETENTION SITE SECTIONS, SHEETS 01 TO 02

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 Date/Time: Mon Oct 24, 2022 - 10:53am
 Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

REV	DESCRIPTION	DATE	AMEND	APPD
H	ROAD B REVISIONS REQUEST FOR CONSTRUCTION	24/10/22	WI	TL
G	ROAD B REVISED	12/10/22	WI	TL
F	DETAILS ADDED	28/09/22	MC/WI	TL
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B. SHADE
 Date: 19/07/22
 AN 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN
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HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 LOCALITY PLAN AND DRAWING INDEX
 Drawing No. 17220.2CTD01 Rev H
 Sheet No. 01 of 53

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CONCEPT



RETAINING WALL SCHEDULE		
HEIGHT OF RETAINING WALL (m)	NO. OF LOTS	LEGEND
0-1	2	●
1-1.5	3	●
1.5-2	1	●
2-2.5	1	●
2.5-3	4	●

SITE ANALYSIS TABLE (ha)	
TOTAL SITE AREA	28.593
ROAD RESERVE AREA	2.503
PUBLIC OPEN SPACE RESERVE	3.388
DRAINAGE RESERVE	1.365
NET SALEABLE AREA	21.327

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Approved Date AN
Date AN

- LEGEND**
- RETAINING WALL
 - Mw 20m BUFFER
 - EXISTING TREES
 - EX. SEWER MAIN & MH
 - SW DRAIN & PIT
 - REGRADE LOT (MIN 150)
 - BENCHING
 - 0.3m TREE RESERVE
 - RESERVE/OPEN SPACE AREA
 - Q100 LEVEL
 - WATER QUALITY TREATMENT
 - LOTS 4 - 7 BUILDING ENVELOPES
 - ACCESS TRACK
 - SEWER MAIN & MANHOLE
 - BATTER

Coords: MGA Levels: AHD

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MAB HUME

0m 20m 40m 80m 120m

Scale @ A1/A3 1:2000 / 1:4000

HAYSTONE INDUSTRIAL SUBDIVISION
140-204 WESTERN AVENUE, WESTMEADOWS
HUME CITY COUNCIL
LAYOUT PLAN

Drawing No. 17220.2CLP01 Rev E
Sheet No. 02 of 53

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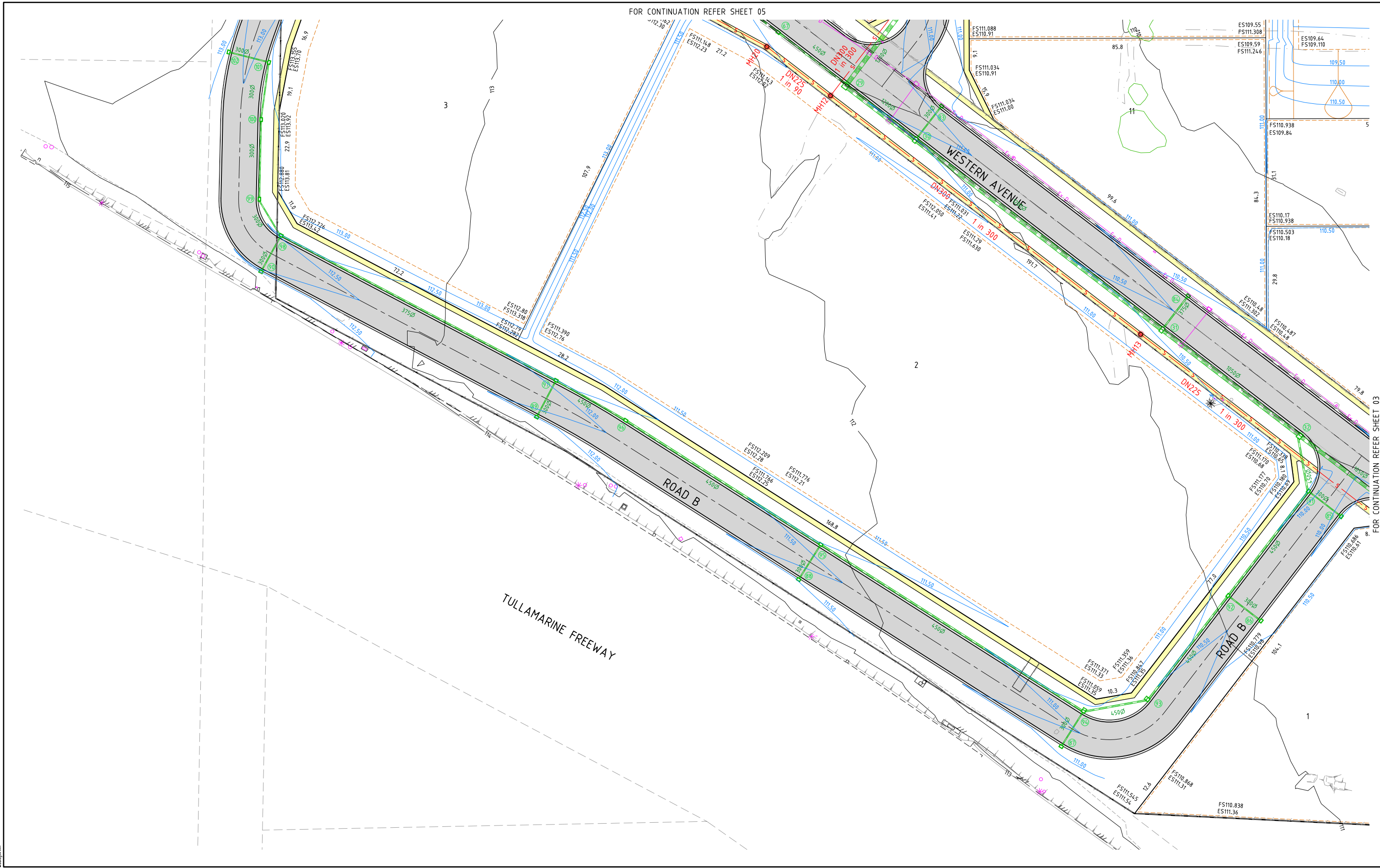
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 Date/Time: Mon Oct 24, 2022 - 10:54am
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FOR CONTINUATION REFER SHEET 05

FOR CONTINUATION REFER SHEET 03



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 User: mshay@in

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G	ROAD B REVISED A	24/10/22	WI	TL
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A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

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 Approved
 Date AN
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LEGEND

EX. DRAIN & PIT	SW DRAIN & PIT
M/w 20m BUFFER	ASPHALT PAVEMENT
RETAINING WALL	CONCRETE PATH
EX. TREE TO REMAIN	RESERVE
BENCHING (1 IN 4% UNLESS SPECIFIED)	LOTS 4 TO 7 BUILDING ENVELOPE
SEWER MAIN & MANHOLE	ACCESS TRACK
0.3m TREE RESERVE	

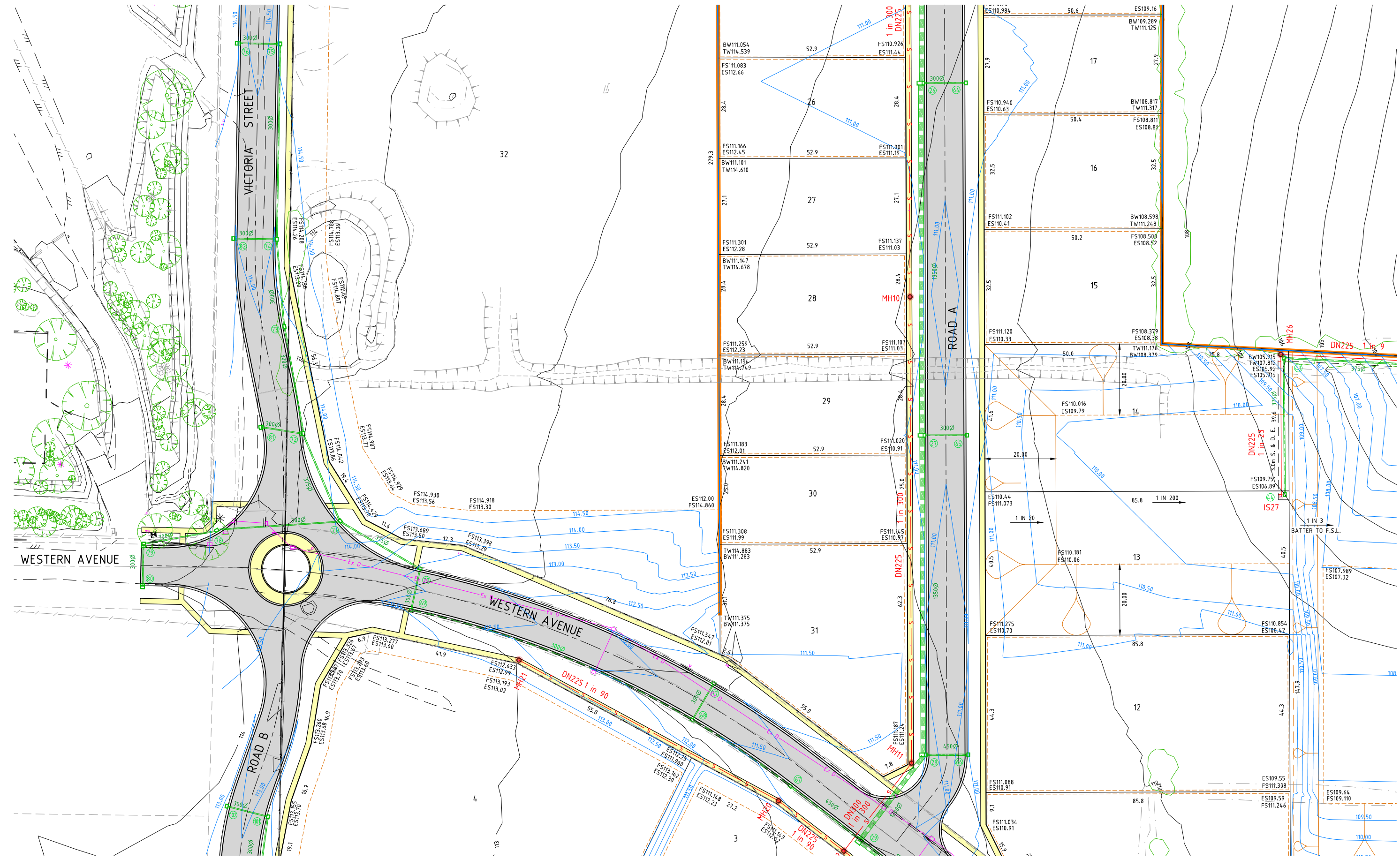
Coords: MGA Levels: AHD

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Scale @ A1/A3 1:500 / 1:1000

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DETAIL PLAN
 SHEET 02 OF 07
 Drawing No. 17220.2CDP02 Rev G
 Sheet No. 04 of 53

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Drawing File: C:\126_Sydney\172201-01-Clearway Site, Western Avenue, Tullamarine_125A\1_DESIGN\01_ACD\03_GENERAL CONCEPT PLANS\May 2022\172201_03CDP03.dwg - DPO3
 Date/Time: Mon Oct 24, 2022 - 10:54am - www.mesoft.com.au

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E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B.SHADE
 Date 19/07/22
 AN 1271366
 Designed M.HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date
 AN
 Approved
 Date
 AN

- LEGEND**
- EX. DRAIN & PIT
 - M/w 20m BUFFER
 - RETAINING WALL
 - EX. TREE TO REMAIN
 - BENCHING (1 IN 4% UNLESS SPECIFIED)
 - SEWER MAIN & MANHOLE
 - 0.3m TREE RESERVE
 - SW DRAIN & PIT
 - ASPHALT PAVEMENT
 - CONCRETE PATH
 - RESERVE
 - LOTS 4 TO 7 BUILDING ENVELOPE
 - ACCESS TRACK

Coords: MGA Levels: AHD

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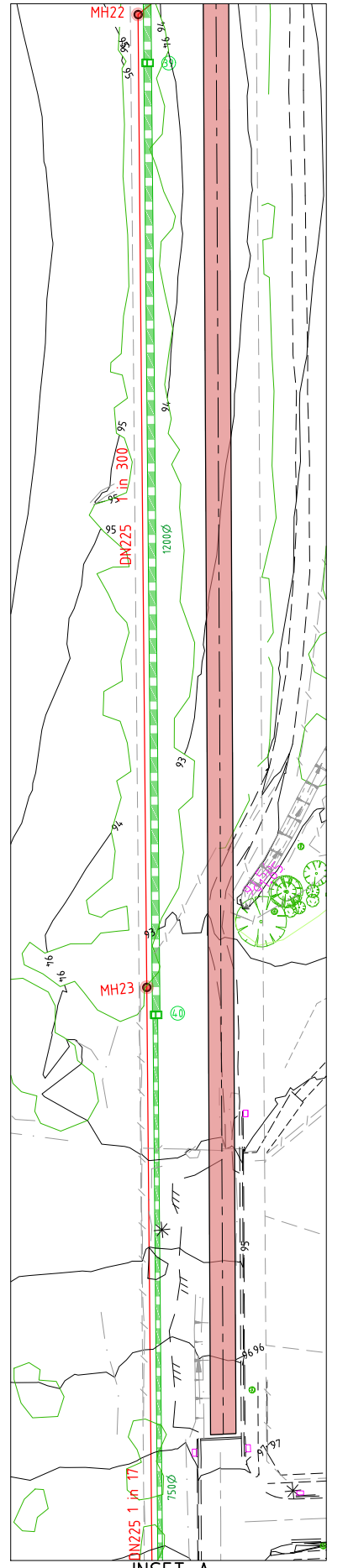
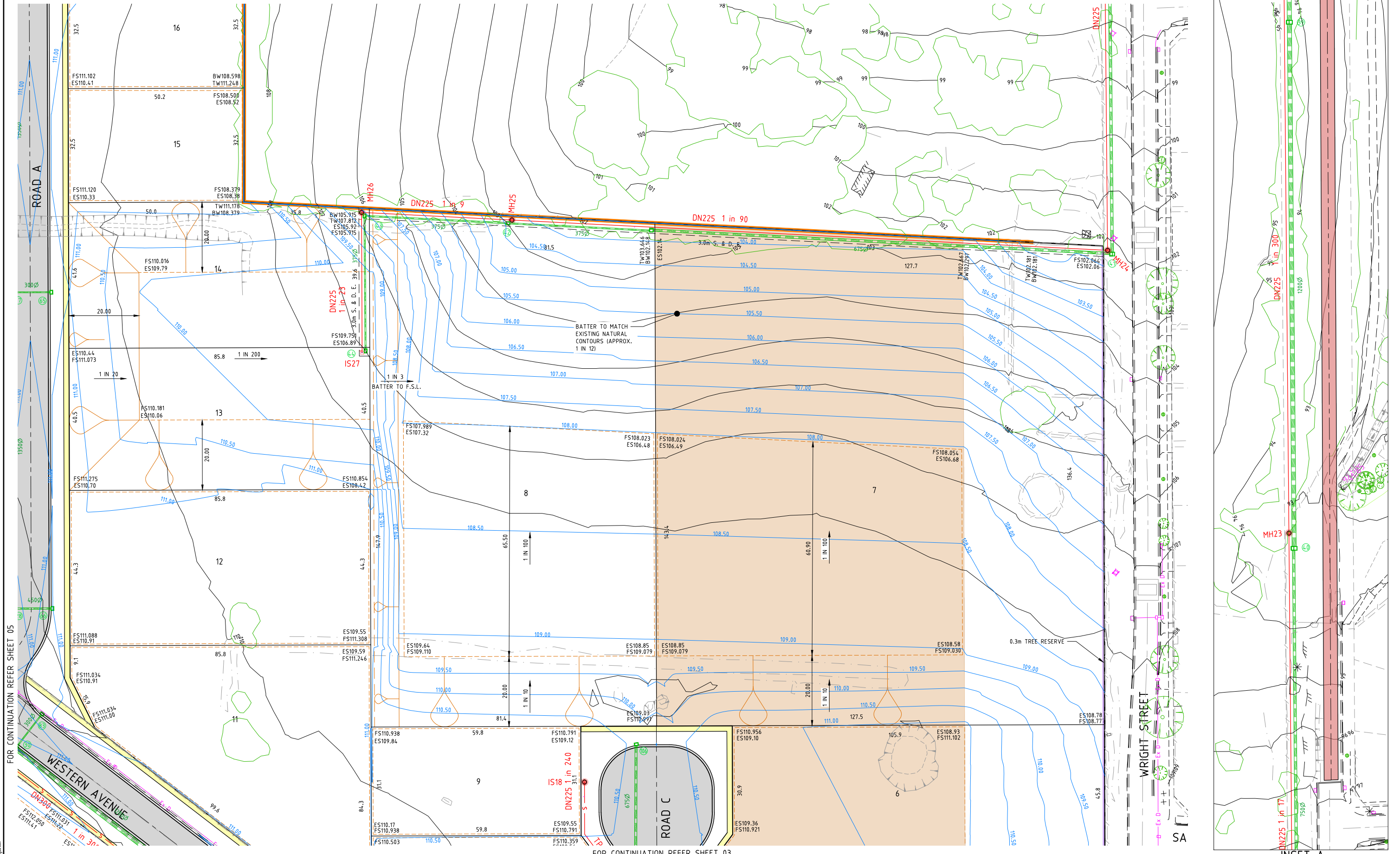
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 140-204 WESTERN AVENUE, WESTMEADOWS
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DETAIL PLAN
 SHEET 03 OF 07
 Drawing No. 17220.2CDP03 Rev E
 Sheet No. 05 of 53

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CONCEPT

FOR CONTINUATION REFER SHEET 07

FOR CONTINUATION REFER INSET A



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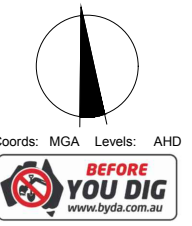
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A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
Date 19/07/22
AN 1271366
Designed M. HUYNH
Date 03/06/22
AN 2891056
Checked
Date AN
Approved
Date AN
APPD

LEGEND

	EX. DRAIN & PIT		SW DRAIN & PIT
	M/W 20m BUFFER		ASPHALT PAVEMENT
	RETAINING WALL		CONCRETE PATH
	EX. TREE TO REMAIN		RESERVE
	BENCHING 1 IN 40 (UNLESS SPECIFIED)		LOTS 4 TO 7 BUILDING ENVELOPE
	SEWER MAIN & MANHOLE		ACCESS TRACK
	0.3m TREE RESERVE		

FOR CONTINUATION REFER SHEET 03



Coords: MGA Levels: AHD

Scale @ A1/A3 1:500 / 1:1000

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 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DETAIL PLAN
 SHEET 04 OF 07
 Drawing No. 17220.2CDP04 Rev E
 Sheet No. 06 of 53

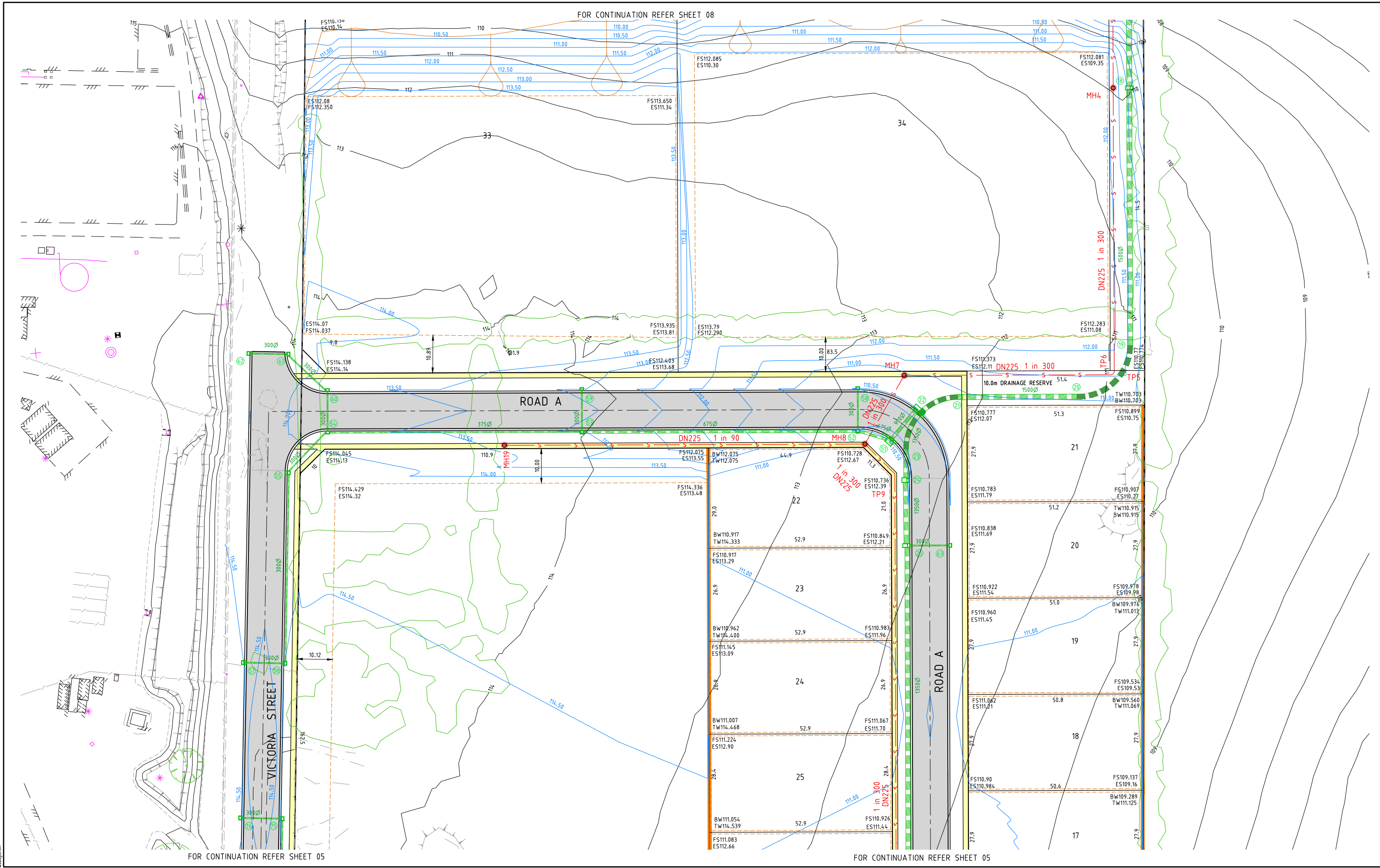
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CONCEPT

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FOR CONTINUATION REFER SHEET 08

FOR CONTINUATION REFER SHEET 05

FOR CONTINUATION REFER SHEET 05

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B.SHADE
 Date 19/07/22
 AN 1271366
 Designed M.HUYNNH
 Date 03/06/22
 AN 2891056
 Checked
 Date
 AN
 Approved
 Date
 AN

LEGEND

	EX. DRAIN & PIT		SW DRAIN & PIT
	Mw 20m BUFFER		ASPHALT PAVEMENT
	RETAINING WALL		CONCRETE PATH
	EX. TREE TO REMAIN		RESERVE
	BENCHING 11 IN 43 (UNLESS SPECIFIED)		LOTS 4 TO 7 BUILDING ENVELOPE
	SEWER MAIN & MANHOLE		ACCESS TRACK
	0.3m TREE RESERVE		

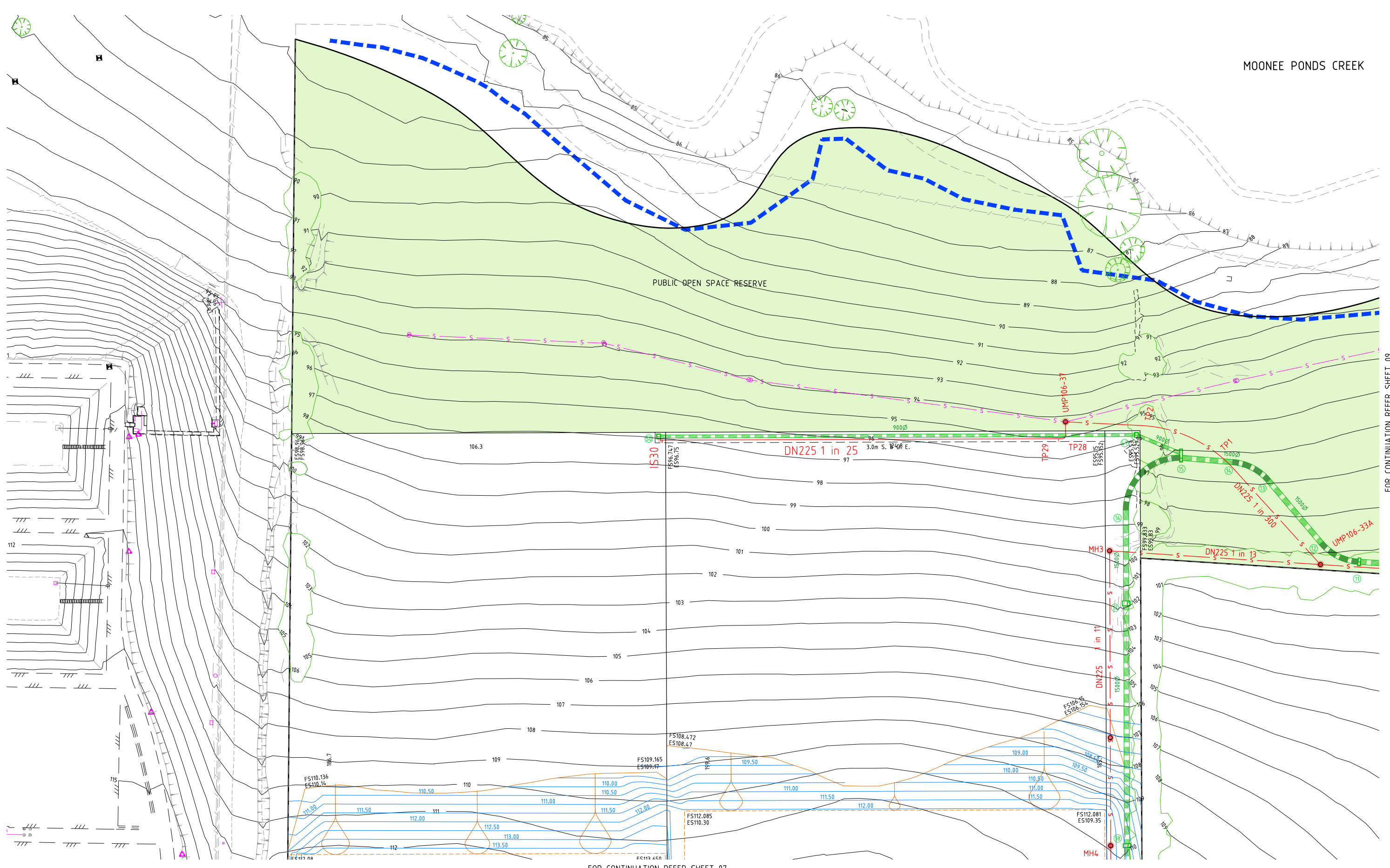
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Scale @ A1/A3 1:500 / 1:1000

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 DETAIL PLAN
 SHEET 05 OF 07
 Drawing No. 17220.2CDP05 Rev E
 Sheet No. 07 of 53

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FOR CONTINUATION REFER SHEET 09

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 Date/Time: Mon Oct 24, 2022 - 10:54am - www.mespl.com.au

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
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LEGEND

	EX. DRAIN & PIT		SW DRAIN & PIT
	Mw 20m BUFFER		ASPHALT PAVEMENT
	RETAINING WALL		CONCRETE PATH
	EX. TREE TO REMAIN		RESERVE
	BENCHING (1 IN 4% UNLESS SPECIFIED)		LOTS 4 TO 7 BUILDING ENVELOPE
	SEWER MAIN & MANHOLE		ACCESS TRACK
	0.3m TREE RESERVE		

Coords: MGA Levels: AHD

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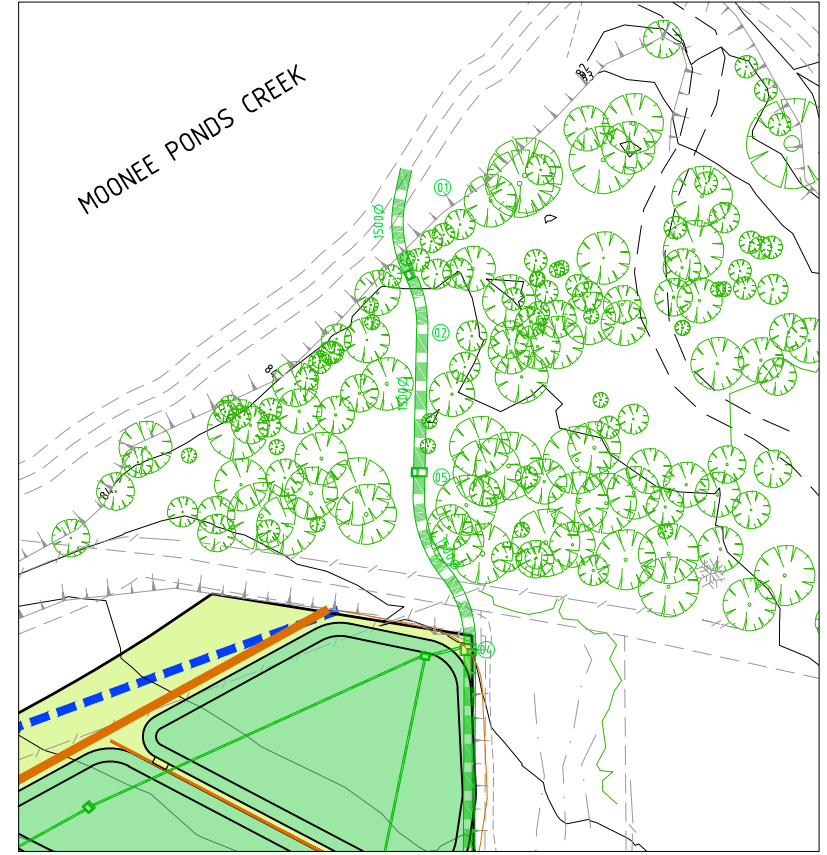
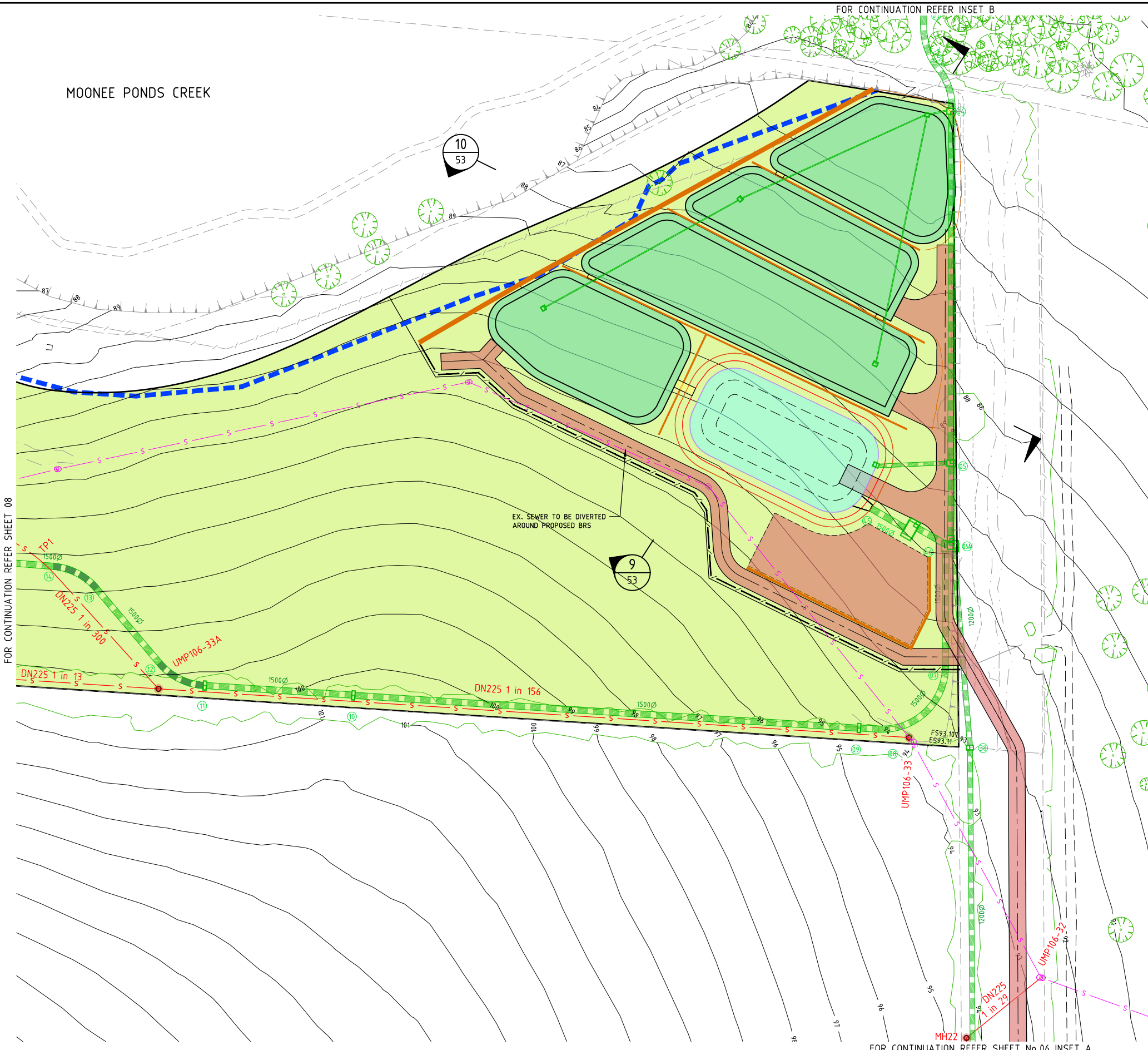
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 DETAIL PLAN
 SHEET 06 OF 07
 Drawing No. 17220.2CDP06 Rev E
 Sheet No. 08 of 53

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CONCEPT

MOONEE PONDS CREEK

FOR CONTINUATION REFER INSET B



INSET B
SCALE 1:500

FOR CONTINUATION REFER SHEET 08

FOR CONTINUATION REFER SHEET No.06 INSET A

REV	DESCRIPTION	DATE	AMEND	APPD
G	RETAINING WALL REVISION	24/10/22	WI	TL
F	SECTIONS ADDED	28/09/22	MC/WI	TL
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
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B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn Date: B. SHADE 19/07/22 1271366
 Designed Date: M. HUYNH 03/06/22 2891056
 Checked Date: AN
 Approved Date: AN
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LEGEND

EX. DRAIN & PIT	SW DRAIN & PIT
M/w 20m BUFFER	ASPHALT PAVEMENT
RETAINING WALL	CONCRETE PATH
EX. TREE TO REMAIN	RESERVE
BENCHING (1 IN 4% UNLESS SPECIFIED)	LOTS 4 TO 7 BUILDING ENVELOPE
SEWER MAIN & MANHOLE	ACCESS TRACK
0.3m TREE RESERVE	

Coords: MGA Levels: AHD

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0m 5m 10m 20m 30m

Scale @ A1/A3 1:500 / 1:1000

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 140-204 WESTERN AVENUE, WESTMEADOWS
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 DETAIL PLAN
 SHEET 07 OF 07
 Drawing No. 17220.2CDP07 Rev G
 Sheet No. 09 of 53

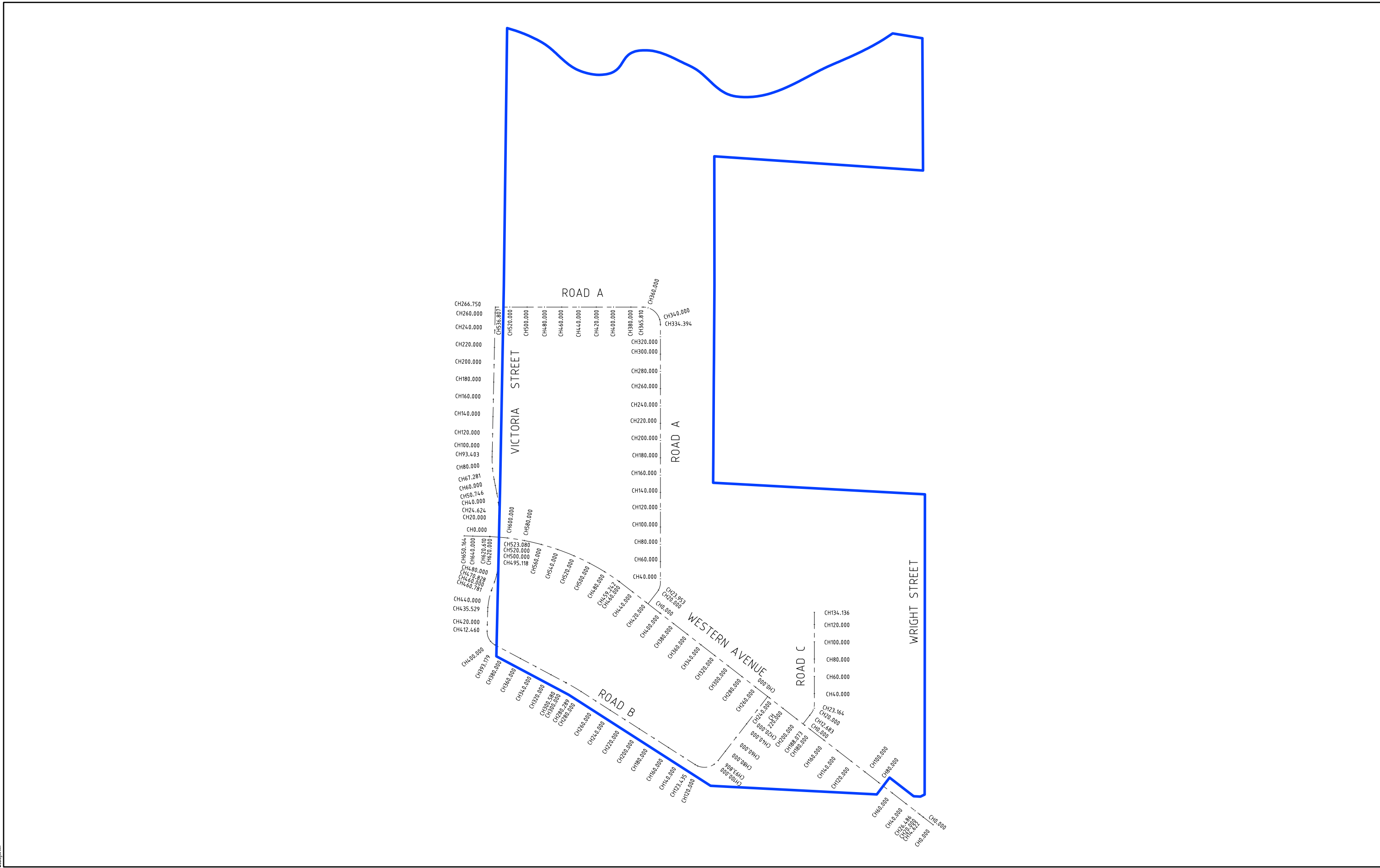
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CONCEPT

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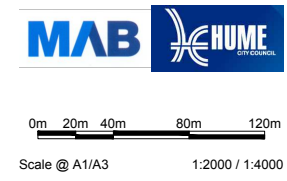


REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
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Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

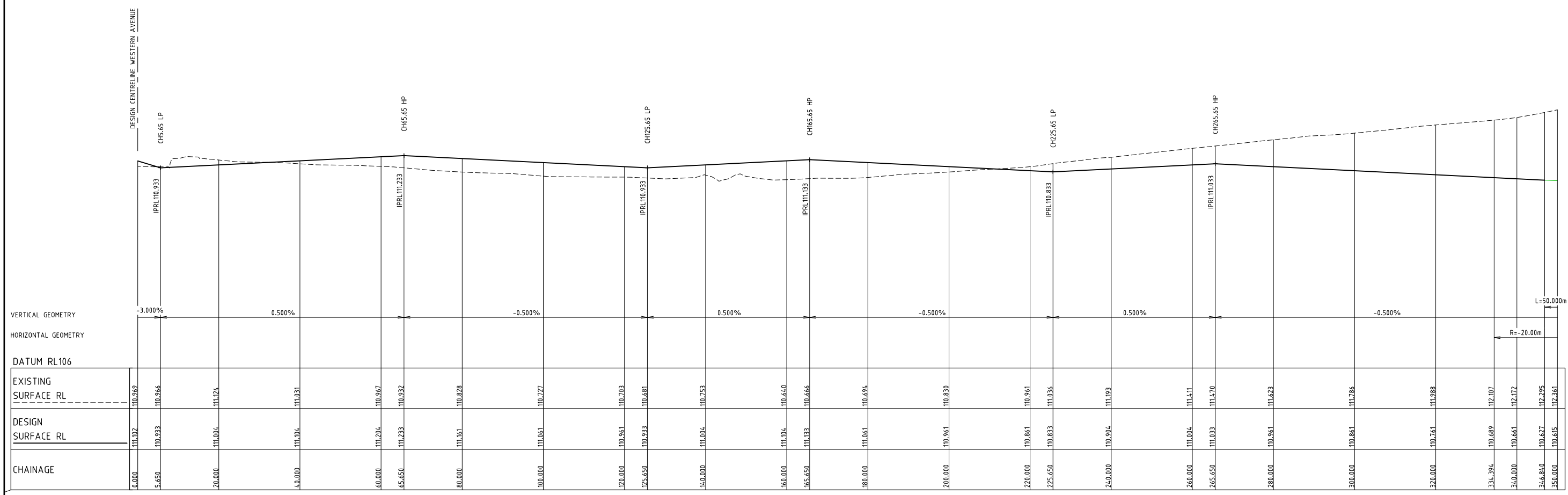


HAYSTONE
INDUSTRIAL SUBDIVISION
140-204 WESTERN AVENUE, WESTMEADOWS
HUME CITY COUNCIL
SETOUT DETAILS
 Drawing No. 17220.2CSOP01 Rev E
 Sheet No. 10 of 53

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CONCEPT

Drawing File: C:\126_Sydney\data\SYNERGY-ME\172201-1-Clearway_Site_Western_Avenue_Tulamarine_125A\1_DESIGN\01_ACD\03_GENERAL CONCEPT PLANS (May 2022)\172201_2020_01.dwg - RL.S01
 Date/Time: Mon Oct 24, 2022 - 10:55am - --wasky/jvn--



LONGITUDINAL SECTION ROAD A DESIGN LINE

FOR CONTINUATION REFER TO SHEET 16

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

LEGEND
 - - - - - EXISTING SURFACE
 _____ FINISHED SURFACE



Coords: MGA Levels: AHD

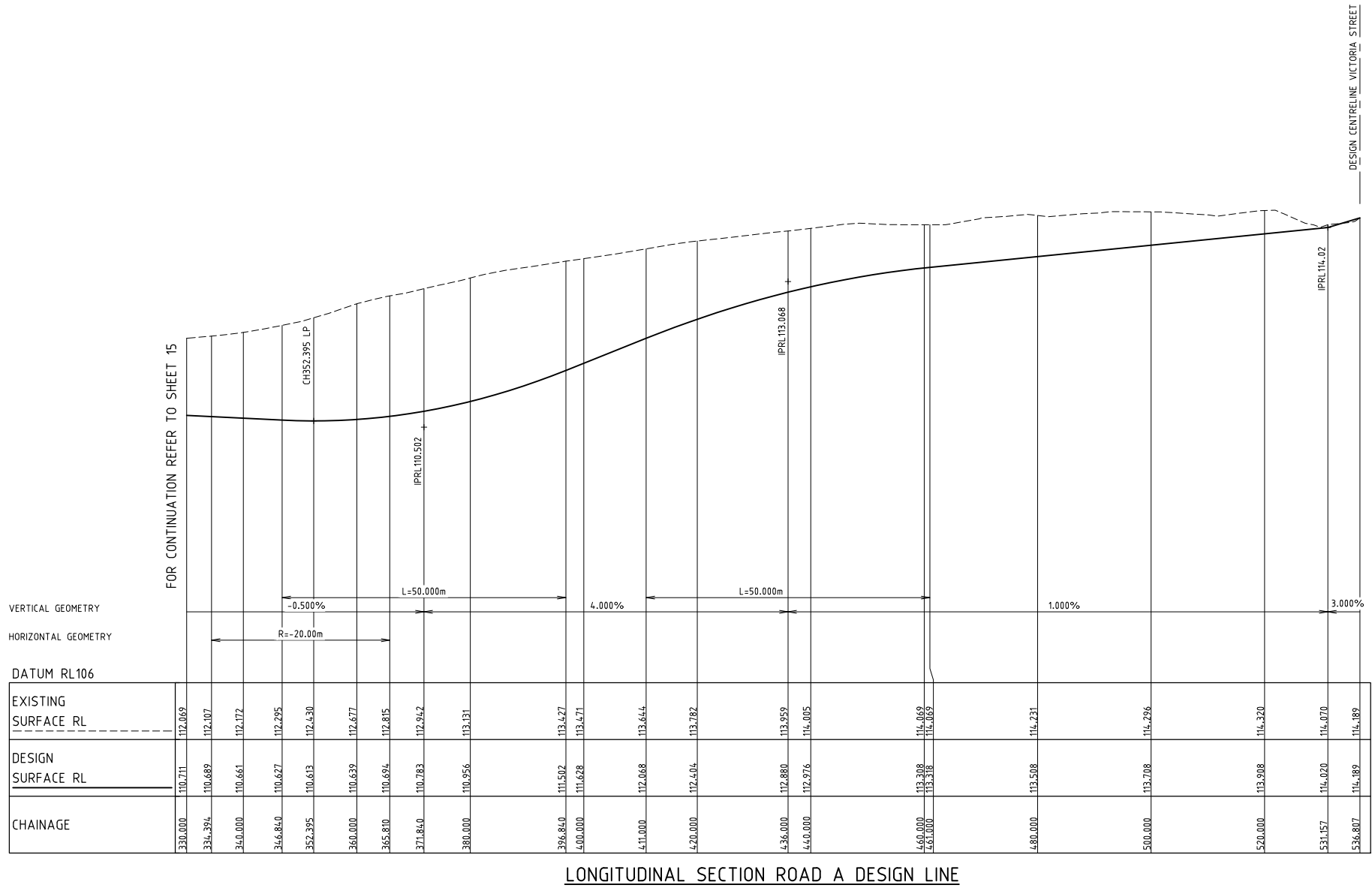
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 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
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 ROAD LONGITUDINAL SECTIONS
 SHEET 01 OF 08
 Drawing No. 17220.2CRLS01 Rev E
 Sheet No. 15 of 53

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 Date/Time: Mon Oct 24, 2022 - 10:55am - weskj/jwh



NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

LEGEND
 - - - - - EXISTING SURFACE
 ————— FINISHED SURFACE



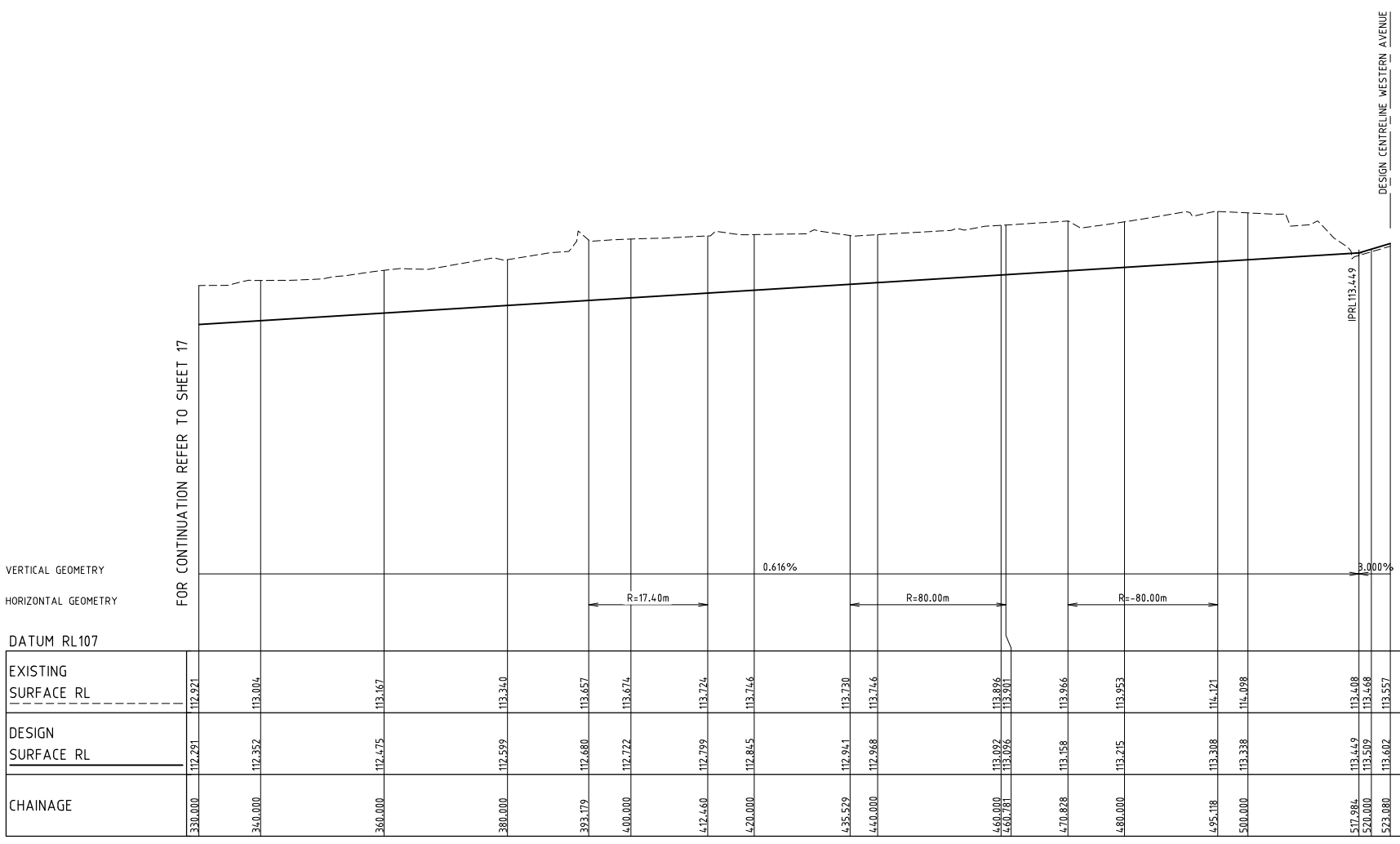
Coords: MGA Levels: AHD

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 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

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 140-204 WESTERN AVENUE, WESTMEADOWS
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 ROAD LONGITUDINAL SECTIONS
 SHEET 02 OF 08
 Drawing No. 17220.2CRLS02 Rev E
 Sheet No. 16 of 53

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 Date/Time: Mon Oct 24, 2022 - 10:55am - mshy/jwh



LONGITUDINAL SECTION ROAD B DESIGN LINE

REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B.SHADE
 Date 19/07/22
 AN 1271366
 Designed M.HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

LEGEND
 - - - - - EXISTING SURFACE
 _____ FINISHED SURFACE

Coords: MGA Levels: AHD

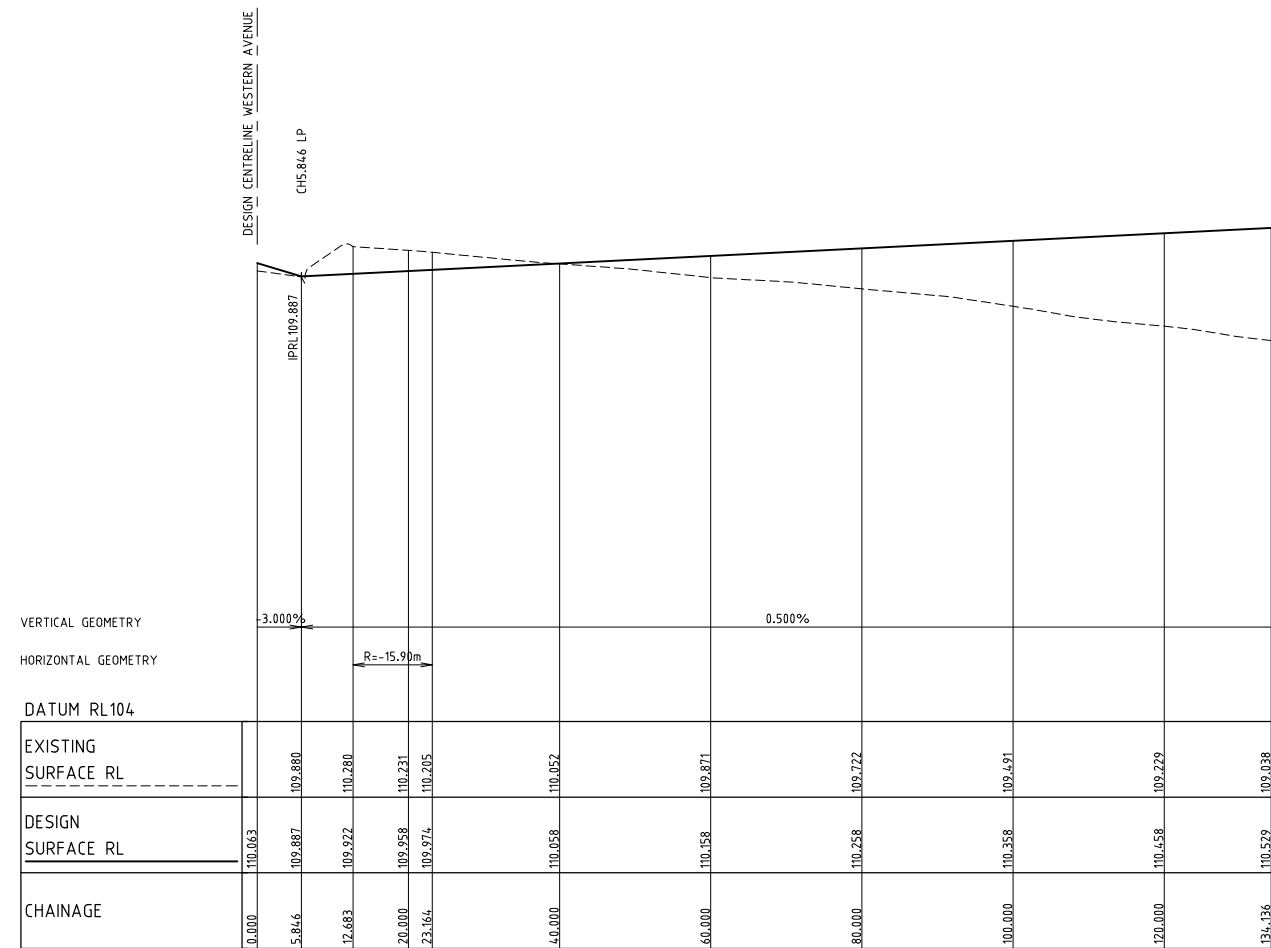
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 ROAD LONGITUDINAL SECTIONS
 SHEET 04 OF 08
 Drawing No. 17220.2CRLS04 Rev E
 Sheet No. 18 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:55am - weskj/jvn



LONGITUDINAL SECTION ROAD C DESIGN LINE

REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date AN
 Approved
 Date AN

LEGEND
 - - - - - EXISTING SURFACE
 _____ FINISHED SURFACE

Coords: MGA Levels: AHD

H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
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 ROAD LONGITUDINAL SECTIONS
 SHEET 05 OF 08
 Drawing No. 17220.2CRLS05 Rev E

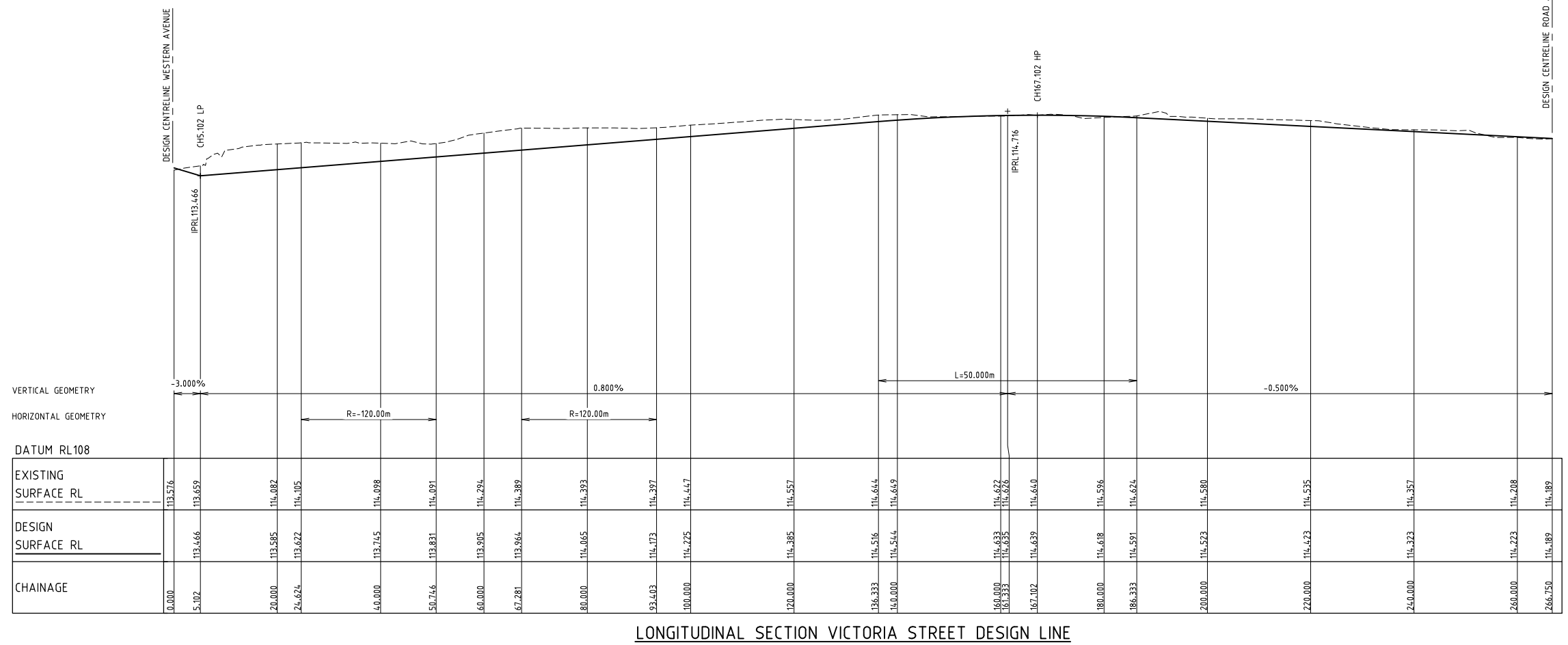
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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:55am - mshy/jm



LONGITUDINAL SECTION VICTORIA STREET DESIGN LINE

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

LEGEND

--- EXISTING SURFACE

— FINISHED SURFACE

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Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

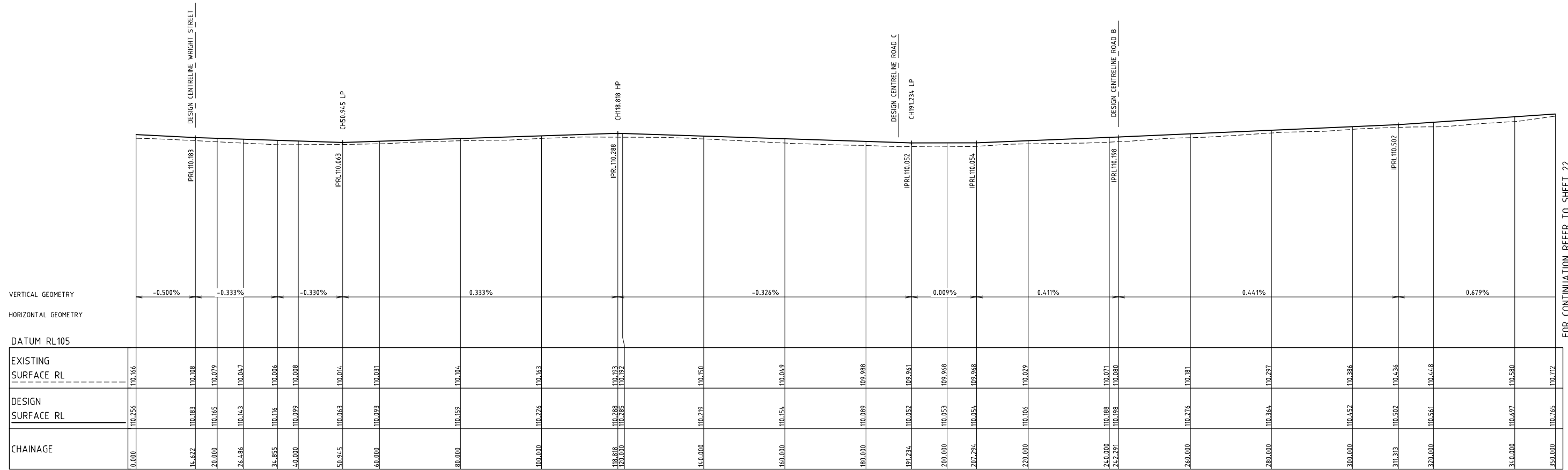
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 140-204 WESTERN AVENUE, WESTMEADOWS
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 ROAD LONGITUDINAL SECTIONS
SHEET 06 OF 08
 Drawing No. 17220.2CRLS06 Rev E
 Sheet No. 20 of 53

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 Date/Time: Mon Oct 24, 2022 - 10:55am - mshy/jmh



LONGITUDINAL SECTION WESTERN AVENUE DESIGN LINE

FOR CONTINUATION REFER TO SHEET 22

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
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 Approved AN
 Date AN

LEGEND
 - - - - - EXISTING SURFACE
 _____ FINISHED SURFACE

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Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

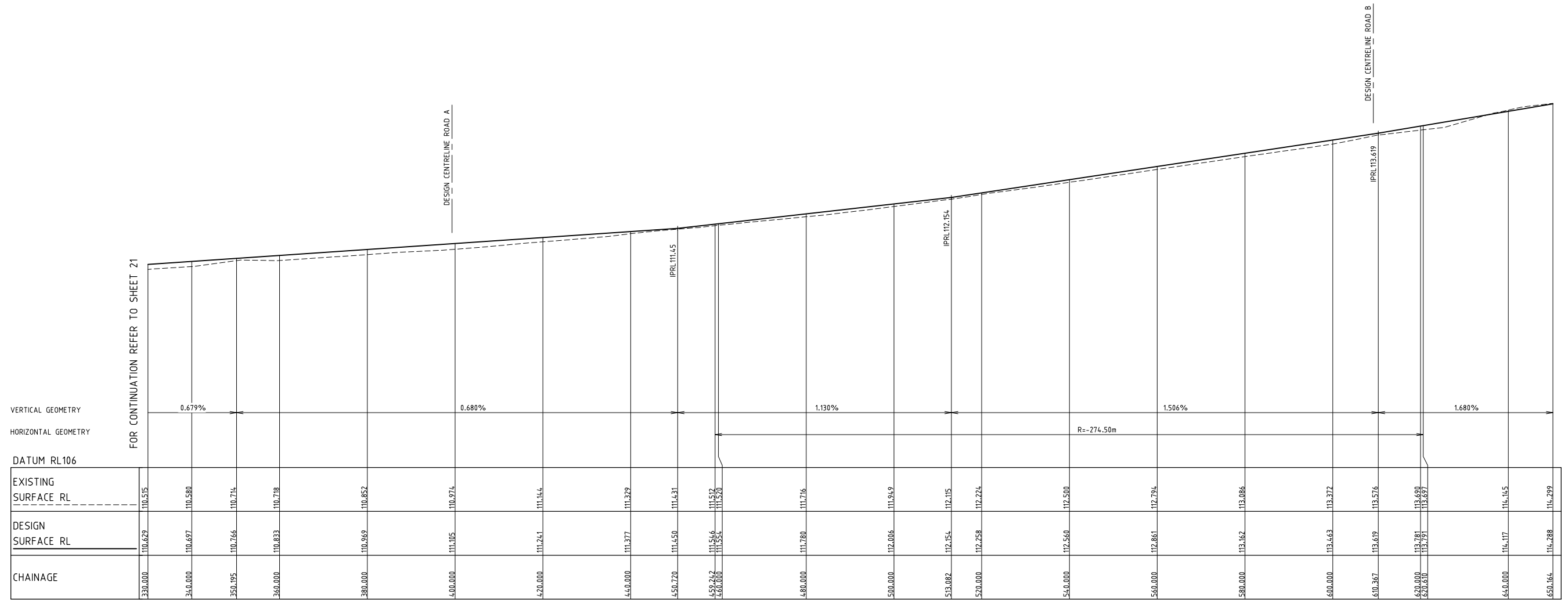


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 140-204 WESTERN AVENUE, WESTMEADOWS
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 ROAD LONGITUDINAL SECTIONS
 SHEET 07 OF 08
 Drawing No. 17220.2CRLS07 Rev E
 Sheet No. 21 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:55am - mshy/jvn



LONGITUDINAL SECTION ROAD WESTERN DESIGN LINE

VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL106

CHAINAGE	EXISTING SURFACE RL	DESIGN SURFACE RL
330.000	110.429	110.535
340.000	110.687	110.580
350.000	110.766	110.714
360.000	110.833	110.718
380.000	110.969	110.852
400.000	111.305	110.974
420.000	111.741	111.144
440.000	111.377	111.329
450.720	111.450	111.431
459.742	111.546	111.512
460.000	111.554	111.520
480.000	111.780	111.716
500.000	112.006	111.949
513.082	112.154	112.115
520.000	112.258	112.224
540.000	112.560	112.500
560.000	112.861	112.794
580.000	113.162	113.086
600.000	113.463	113.372
610.367	113.619	113.576
620.000	113.781	113.690
620.610	113.791	113.697
640.000	114.117	114.145
650.000	114.288	114.299

REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

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 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
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 Approved AN
 Date AN

LEGEND
 - - - - - EXISTING SURFACE
 ————— FINISHED SURFACE

Coords: MGA Levels: AHD

H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
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 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 ROAD LONGITUDINAL SECTIONS
 SHEET 08 OF 08
 Drawing No. 17220.2CRLS08 Rev E
 Sheet No. 22 of 53

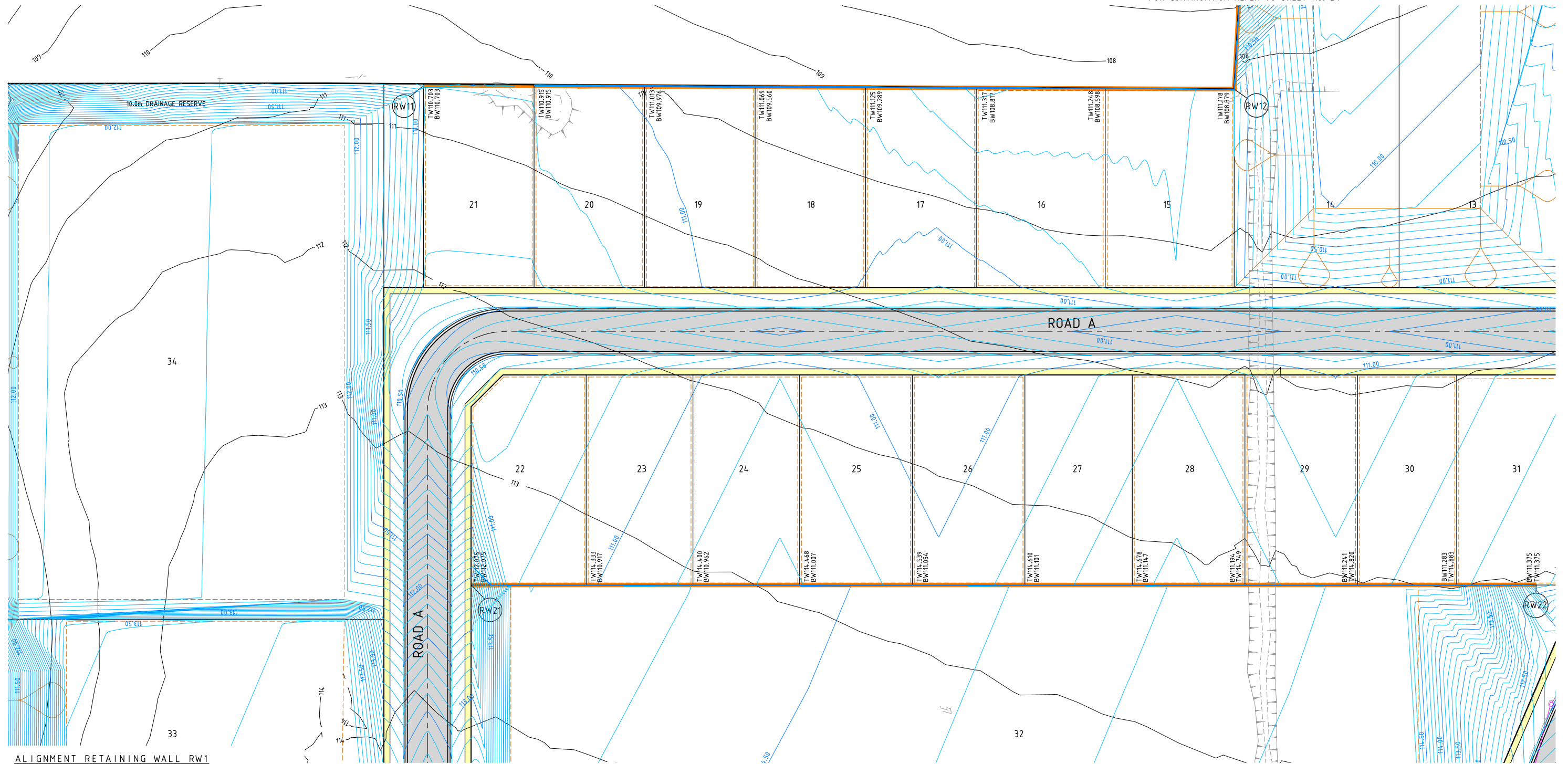
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CONCEPT

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

FOR CONTINUATION REFER TO SHEET No. 24



ALIGNMENT RETAINING WALL RW1

POINT NO	EASTING	NORTHING	RL
RW11	312146.229	5828171.878	110.703
RW12	312124.864	5827968.783	108.379
RW13	312347.442	5827934.068	102.181

ALIGNMENT RETAINING WALL RW2

POINT NO	EASTING	NORTHING	RL
RW21	312019.848	5828172.523	112.075
RW22	311993.009	5827905.591	111.375

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B.SHADE
Date 19/07/22
AN 1271366
Designed M.HUYNH
Date 03/06/22
AN 2891056
Checked AN
Date AN
Approved AN
Date AN

LEGEND

	ASPHALT PAVEMENT
	CONCRETE PATH
	RETAINING WALL
	CONTOUR MAJOR
	CONTOUR MINOR

Coords: MGA Levels: AHD

Scale @ A1/A3 1:500 / 1:1000

HAYSTONE INDUSTRIAL SUBDIVISION
140-204 WESTERN AVENUE, WESTMEADOWS
HUME CITY COUNCIL
RETAINING WALL PLAN
SHEET 01 OF 02
Drawing No. 17220.2CRW01 Rev E
Sheet No. 23 of 53

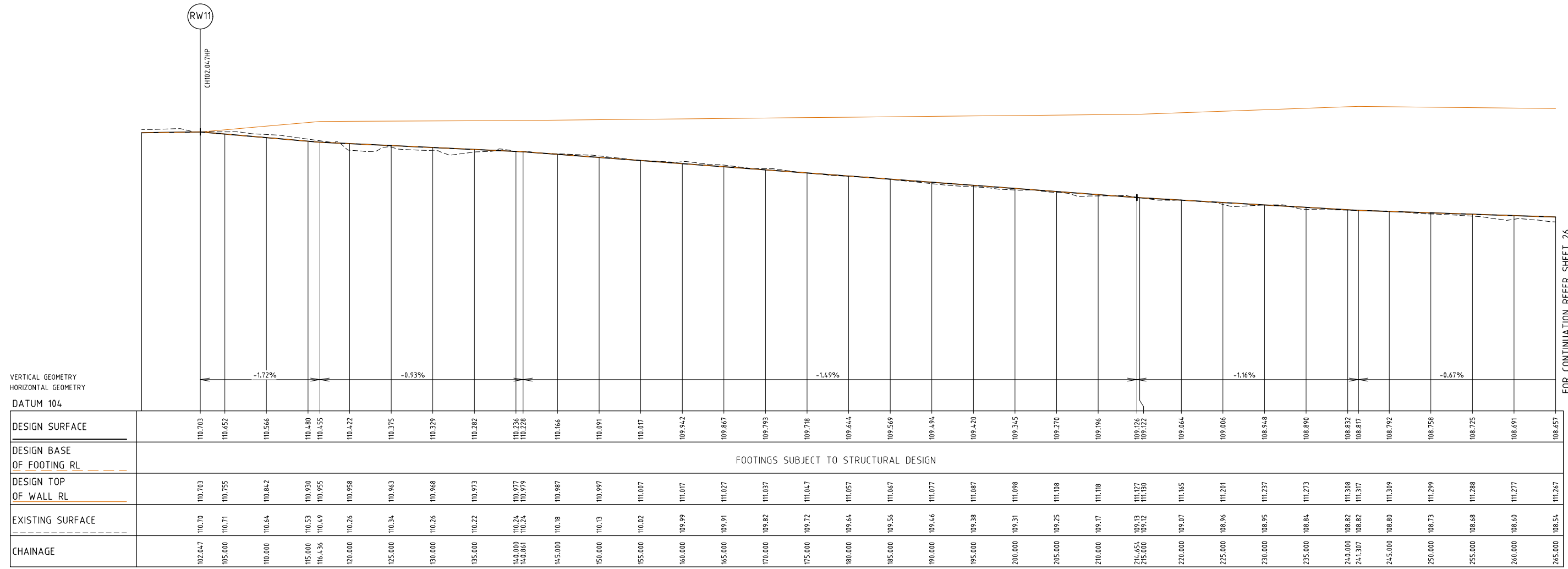
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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:56am - weskj/inv





RETAINING WALL (RW1) LONGITUDINAL SECTION


FOR CONTINUATION REFER SHEET 26

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date AN
 Approved
 Date AN

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Coords: MGA Levels: AHD


H 0m 2.5m 5m 10m 15m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:250/500 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
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 RETAINING WALL LONGITUDINAL SECTIONS
 SHEET 01 OF 05
 Drawing No. 17220.2CRW03 Rev E
 Sheet No. 25 of 53


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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:56am - mshp/jrn

FOR CONTINUATION REFER SHEET 25

FOR CONTINUATION REFER SHEET 27

RW12

VERTICAL GEOMETRY	HORIZONTAL GEOMETRY	
	DATUM 98	
DESIGN SURFACE	108.657	102.166
DESIGN BASE OF FOOTING RL		
DESIGN TOP OF WALL RL	111.267	103.666
EXISTING SURFACE	108.54	102.38
CHAINAGE	265.000	435.000

CHAINAGE	DESIGN SURFACE	DESIGN BASE OF FOOTING RL	DESIGN TOP OF WALL RL	EXISTING SURFACE
265.000	108.657		111.267	108.54
270.000	108.624		111.256	108.53
275.000	108.590		111.246	108.51
280.000	108.556		111.235	108.44
285.000	108.522	-0.67%	111.224	108.37
290.000	108.489		111.214	108.37
295.000	108.455		111.203	108.44
300.000	108.421		111.193	108.39
305.000	108.388		111.182	108.37
306.262	108.379		111.178	108.38
310.000	108.122		110.826	108.11
315.000	107.778		110.355	107.77
320.000	107.434		109.884	107.58
325.000	107.090	-6.88%	109.413	107.18
330.000	106.746		108.942	106.82
335.000	106.403		108.471	106.56
340.000	106.059		108.000	106.12
342.065	105.917		107.813	105.92
345.000	105.686		107.555	105.62
350.000	105.294		107.115	105.31
355.000	104.901		106.675	104.83
360.000	104.508	-7.85%	106.236	104.47
365.000	104.116		105.796	104.08
370.000	103.723		105.357	103.65
375.000	103.330		104.917	103.27
380.000	102.938		104.478	102.90
384.012	102.623		104.125	102.62
385.000	102.584		104.084	102.58
390.000	102.387	-3.93%	103.887	102.40
395.000	102.191		103.691	102.21
396.535	102.130		103.630	102.13
400.000	102.132		103.632	102.05
405.000	102.135		103.635	101.93
410.000	102.138		103.638	101.97
415.000	102.141	0.06%	103.641	102.00
420.000	102.144		103.644	102.12
423.568	102.14		103.646	102.14
425.000	102.148		103.648	102.15
430.000	102.157	0.17%	103.657	102.27
435.000	102.166		103.666	102.38

RETAINING WALL (RW1) LONGITUDINAL SECTION

FOOTINGS SUBJECT TO STRUCTURAL DESIGN

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date
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 Approved
 Date
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Coords: MGA Levels: AHD
 H 0m 2.5m 5m 10m 15m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:250/500 V1:50/100



HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 RETAINING WALL LONGITUDINAL SECTIONS
 SHEET 02 OF 05
 Drawing No. 17220.2CRW04 Rev E
 Sheet No. 26 of 53

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CONCEPT

Drawing File: C:\126_Sydney\data\SYNERGY-ME\17220-1-Clearway Site, Western Avenue, Tullamarine_125A\17220-1-DESIGN\01_GENERAL CONCEPT PLANS (May 2022)\17220.2CRW05.dwg - RW05
 Date/Time: Mon Oct 24, 2022 - 10:56am - mshy/jrn

FOR CONTINUATION REFER SHEET 26

VERTICAL GEOMETRY
 HORIZONTAL GEOMETRY
 DATUM 98

DESIGN SURFACE	102.166	102.174	102.183	102.191	102.200	102.209	102.217	102.226	102.234	102.243	102.251	102.260	102.269	102.277	102.286	102.294	102.297	102.277	102.248	102.219	102.190	102.181	102.160	102.131	102.102	102.073		
DESIGN BASE OF FOOTING RL	FOOTINGS SUBJECT TO STRUCTURAL DESIGN																											
DESIGN TOP OF WALL RL	103.666	103.674	103.683	103.691	103.700	103.709	103.717	103.726	103.734	103.743	103.751	103.760	103.769	103.777	103.786	103.794	103.797	103.517	103.113	102.708	102.304	102.181						
EXISTING SURFACE	102.38	102.52	102.50	102.51	102.57	102.62	102.63	102.69	102.59	102.55	102.53	102.54	102.37	102.56	102.51	102.37	102.31	102.40	102.40	102.33	102.40	102.36						
CHAINAGE	435.000	440.000	445.000	450.000	455.000	460.000	465.000	470.000	475.000	480.000	485.000	490.000	495.000	500.000	505.000	510.000	511.531	515.000	520.000	525.000	530.000	531.531	535.000	540.000	545.000	550.000		

RETAINING WALL (RW1) LONGITUDINAL SECTION

RW13

CH511.531HP

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date AN
 Approved
 Date AN

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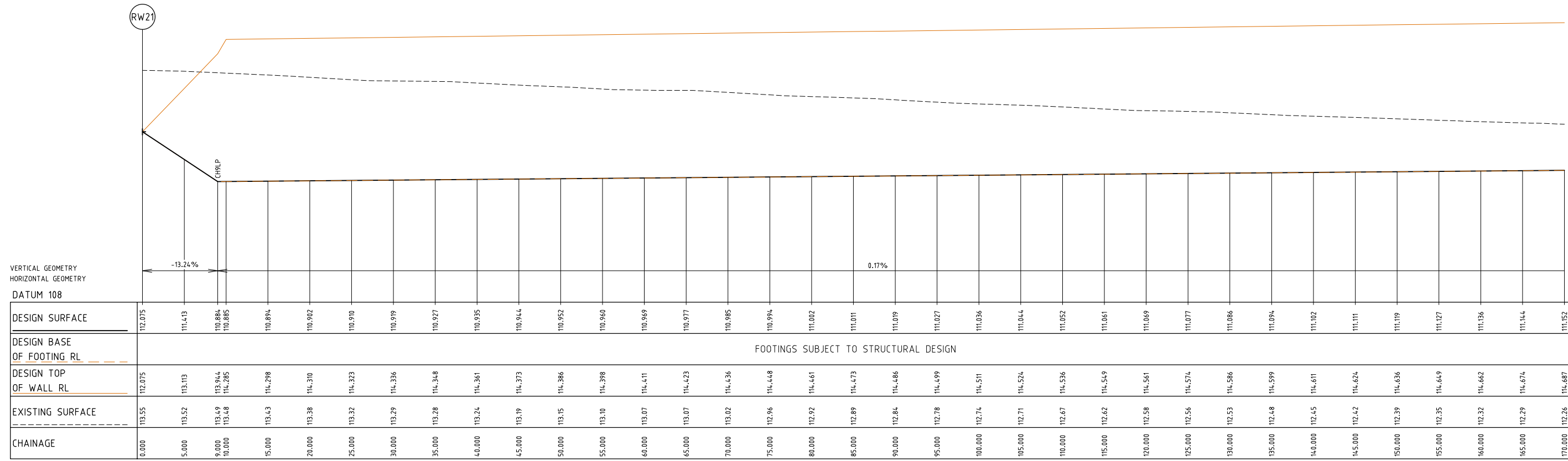
MAB HUME CITY COUNCIL
 Coords: MGA Levels: AHD
 H 0m 2.5m 5m 10m 15m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:250/500 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 RETAINING WALL LONGITUDINAL SECTIONS
 SHEET 03 OF 05
 Drawing No. 17220.2CRW05 Rev E
 Sheet No. 27 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:56am - weskj/jrn



CHAINAGE	0.000	5.000	9.000	10.000	15.000	20.000	25.000	30.000	35.000	40.000	45.000	50.000	55.000	60.000	65.000	70.000	75.000	80.000	85.000	90.000	95.000	100.000	105.000	110.000	115.000	120.000	125.000	130.000	135.000	140.000	145.000	150.000	155.000	160.000	165.000	170.000		
DESIGN SURFACE	112.075	111.413	110.884	110.885	110.894	110.902	110.910	110.919	110.927	110.935	110.944	110.952	110.960	110.969	110.977	110.985	110.994	111.002	111.011	111.019	111.027	111.036	111.044	111.052	111.061	111.069	111.077	111.086	111.094	111.102	111.111	111.119	111.127	111.136	111.144	111.152		
DESIGN BASE OF FOOTING RL																																						
DESIGN TOP OF WALL RL	112.075	113.113	113.944	114.285	114.298	114.310	114.323	114.336	114.348	114.361	114.373	114.386	114.398	114.411	114.423	114.436	114.448	114.461	114.473	114.486	114.499	114.511	114.524	114.536	114.549	114.561	114.574	114.586	114.599	114.611	114.624	114.636	114.649	114.662	114.674	114.687		
EXISTING SURFACE	113.55	113.52	113.49	113.48	113.43	113.38	113.32	113.29	113.28	113.24	113.19	113.15	113.10	113.07	113.07	113.02	112.96	112.92	112.89	112.84	112.78	112.74	112.71	112.67	112.62	112.58	112.56	112.53	112.48	112.45	112.42	112.39	112.35	112.32	112.29	112.26		



RETAINING WALL (RW2) LONGITUDINAL SECTION


FOR CONTINUATION REFER SHEET 29

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date AN
 Approved
 Date AN

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Coords: MGA Levels: AHD


H 0m 2.5m 5m 10m 15m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:250/500 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
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 HUME CITY COUNCIL
 RETAINING WALL LONGITUDINAL SECTIONS
 SHEET 04 OF 05
 Drawing No. 17220.2CRW06 Rev E
 Sheet No. 28 of 53


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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:56am - mshp/jnh

FOR CONTINUATION REFER SHEET 28

VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM 108

DESIGN SURFACE	111.552	111.161	111.169	111.177	111.186	111.194	111.202	111.211	111.219	111.227	111.236	111.244	111.252	111.261	111.269	111.277	111.283	111.290	111.314	111.337	111.360	111.375	
DESIGN BASE OF FOOTING RL	FOOTINGS SUBJECT TO STRUCTURAL DESIGN																						
DESIGN TOP OF WALL RL	114.687	114.699	114.712	114.724	114.737	114.749	114.762	114.774	114.787	114.799	114.812	114.824	114.837	114.850	114.862	114.875	114.862	114.580	113.704	112.827	111.950	111.375	
EXISTING SURFACE	112.26	112.21	112.17	112.18	112.18	112.23	112.09	112.16	112.05	112.04	112.03	112.01	112.04	112.02	112.00	111.99	111.99	111.99	112.02	112.03	112.01	112.03	
CHAINAGE	170.000	175.000	180.000	185.000	190.000	195.000	200.000	205.000	210.000	215.000	220.000	225.000	230.000	235.000	240.000	245.000	248.394	250.000	255.000	260.000	265.000	268.278	

RETAINING WALL (RW2) LONGITUDINAL SECTION

RW22



NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

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Coords: MGA Levels: AHD

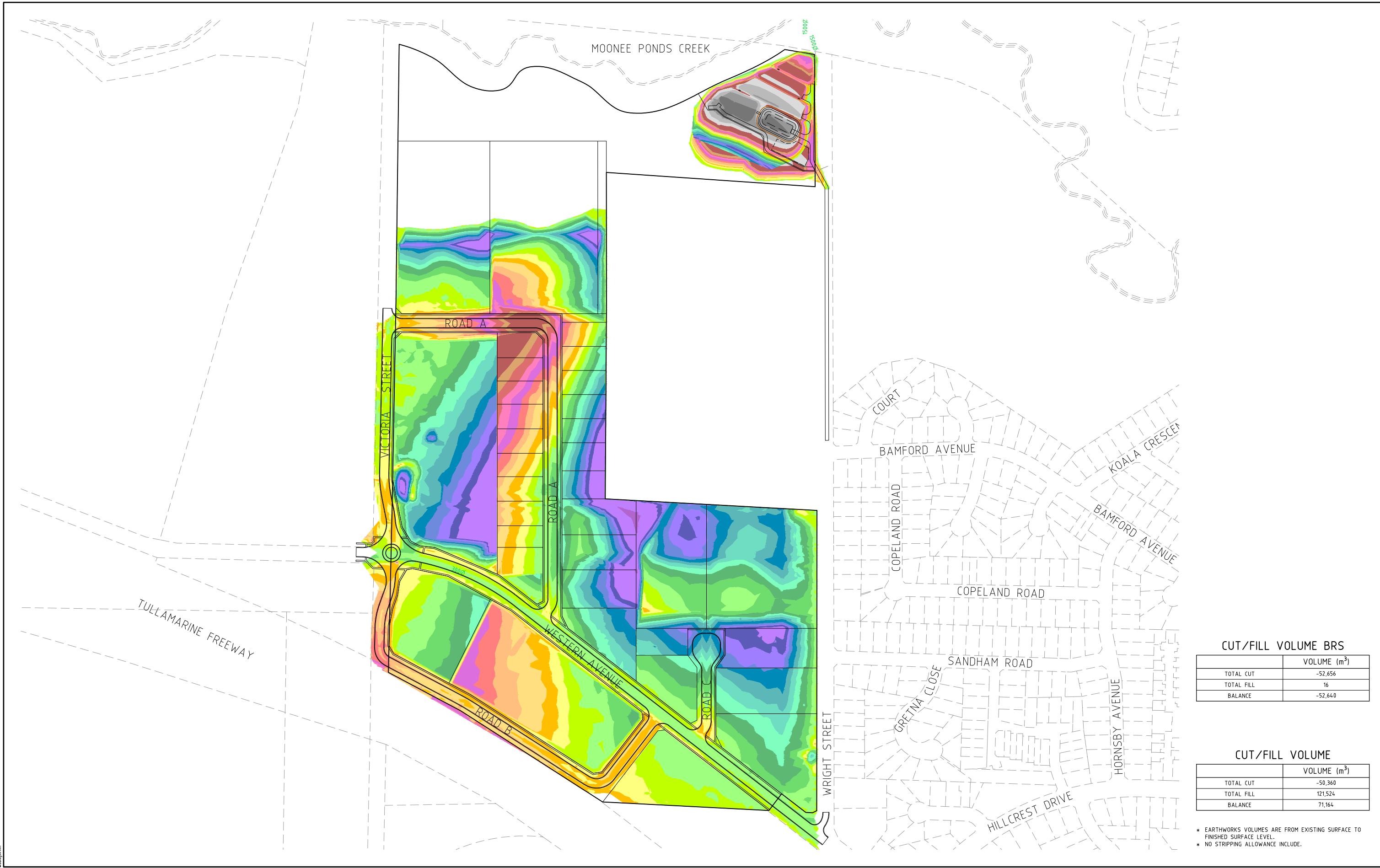
 www.byda.com.au



 H 0m 2.5m 5m 10m 15m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:250/500 V1:50/100

HAYSTONE
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 HUME CITY COUNCIL
 RETAINING WALL LONGITUDINAL SECTIONS
 SHEET 05 OF 05
 Drawing No. 17220.2CRW07 Rev E
 Sheet No. 29 of 53


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 Date/Time: Mon Oct 24, 2022 - 10:56am
 User: mshp/jrn



CUT/FILL VOLUME BRS

	VOLUME (m ³)
TOTAL CUT	-52,656
TOTAL FILL	16
BALANCE	-52,640

CUT/FILL VOLUME

	VOLUME (m ³)
TOTAL CUT	-50,360
TOTAL FILL	121,524
BALANCE	71,164

* EARTHWORKS VOLUMES ARE FROM EXISTING SURFACE TO FINISHED SURFACE LEVEL.
 * NO STRIPPING ALLOWANCE INCLUDE.

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B.SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M.HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN
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LEGEND

CUT: 0.0m TO 0.2m	CUT: 1.6m TO 1.8m	FILL: 0.0m TO 0.2m	FILL: 1.6m TO 1.8m
CUT: 0.2m TO 0.4m	CUT: 1.8m TO 2.0m	FILL: 0.2m TO 0.4m	FILL: 1.8m TO 2.0m
CUT: 0.4m TO 0.6m	CUT: 2.0m TO 3.0m	FILL: 0.4m TO 0.6m	FILL: 2.0m TO 3.0m
CUT: 0.6m TO 0.8m	CUT: 3.0m TO 4.0m	FILL: 0.6m TO 0.8m	FILL: 3.0m TO 4.0m
CUT: 0.8m TO 1.0m	CUT: 4.0m TO 5.0m	FILL: 0.8m TO 1.0m	FILL: 4.0m TO 5.0m
CUT: 1.0m TO 1.2m	CUT: 5.0m TO 6.0m	FILL: 1.0m TO 1.2m	FILL: 5.0m TO 6.0m
CUT: 1.2m TO 1.4m	CUT: 6.0m TO 100.0m	FILL: 1.2m TO 1.4m	FILL: 6.0m TO 100.0m
CUT: 1.4m TO 1.6m		FILL: 1.4m TO 1.6m	

Coords: MGA Levels: AHD

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0m 20m 40m 80m 120m
 Scale @ A1/A3 1:2000 / 1:4000

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INDUSTRIAL SUBDIVISION
140-204 WESTERN AVENUE, WESTMEADOWS
HUME CITY COUNCIL
EARTHWORKS PLAN

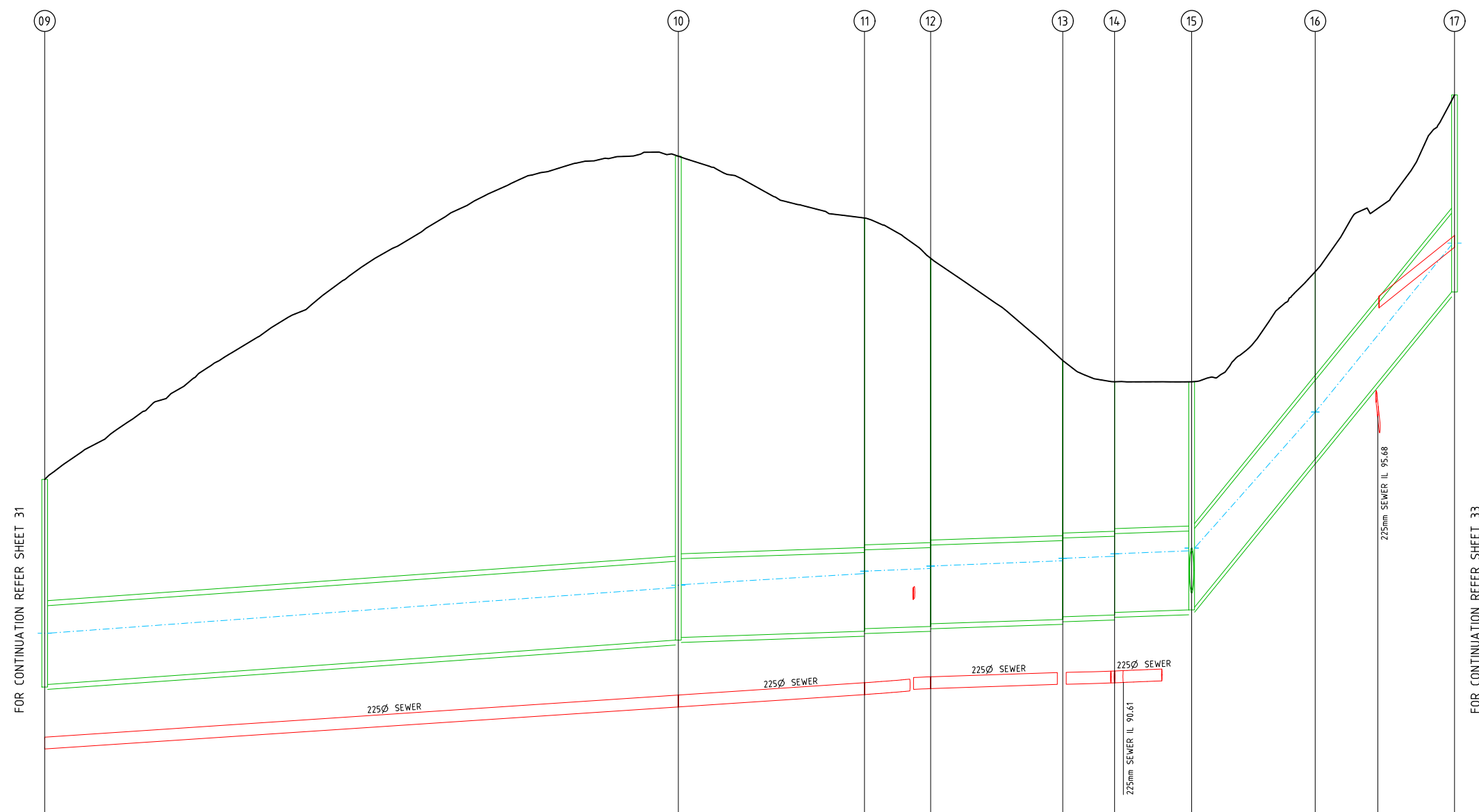
Drawing No. 17220.2CEW01 Rev E
 Sheet No. 30 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:56am
 Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.



VELOCITY (m/s)		3.530		2.618	2.619	2.622	2.622	2.624	9.377	9.399
PIPE GRADE VELOCITY		3.349		2.310	2.311	2.310	2.310	2.310	13.863	13.863
PIPE GRADE %		0.700%		0.333%	0.333%	0.333%	0.333%	0.333%	12.000%	12.000%
PIPE FLOW (m ³ /s)		3.684		3.726	3.742	3.772	3.783	3.801	2.974	2.998
PIPE CAPACITY AT GRADE		5.919		4.083	4.083	4.083	4.083	4.083	24.498	24.498
PIPE SIZE (mm)		1500		1500	1500	1500	1500	1500	1500	1500

DATUM		85.000								
DEPTH TO INVERT		90.520	91.499	92.414	92.414	92.414	92.414	92.414	92.414	92.414
HYDRAULIC GRADE LINE		90.520	91.545	92.458	92.458	92.458	92.458	92.458	92.458	92.458
INVERT LEVEL		90.520	90.570	91.464	91.464	91.464	91.464	91.464	91.464	91.464
DESIGN SURFACE LEVEL		94.474	94.474	100.627	100.627	100.627	100.627	100.627	100.627	100.627
EXISTING SURFACE LEVEL		94.474	94.474	100.627	100.627	100.627	100.627	100.627	100.627	100.627
CHAINAGE		36.929	120.600	157.529	35.427	192.956	12.603	205.559	25.144	230.703

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B. SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- PROPOSED DRAIN
- - - - - HYDRAULIC GRADE LINE
- ▨ CRUSHED ROCK BACKFILL

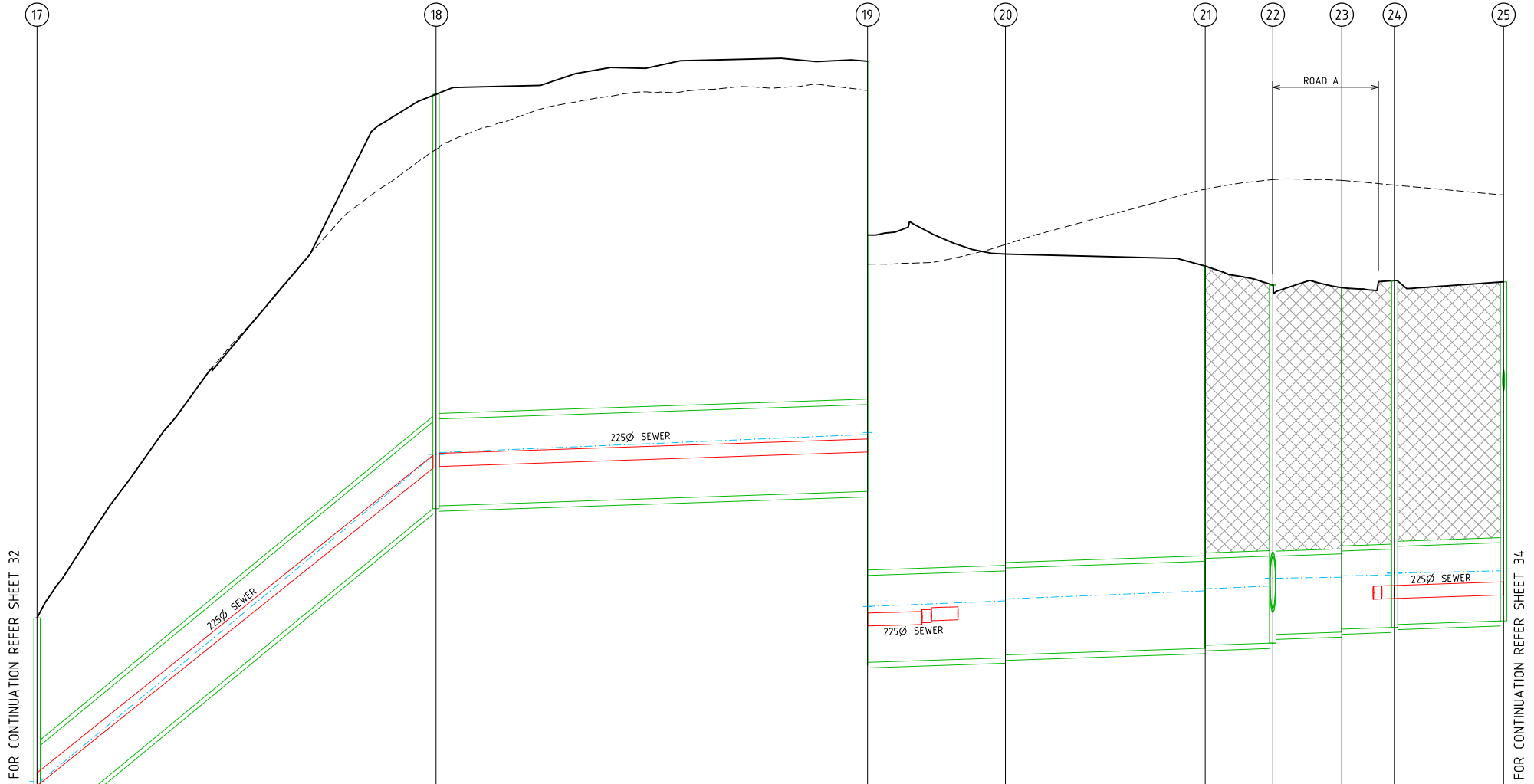


MAB HUME
 Coords: MGA Levels: AHD
 Scale @ A1/A3 H1:500/1000 V1:50/100
 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 02 OF 16
 Drawing No. 17220.2CDR02 Rev E
 Sheet No. 32 of 53

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CONCEPT

Drawing File: C:\126_Sydney\data\SYNERGY-HE\17220-1-Clearway Site, Western Avenue, Tullamarine_125A\1_DESIGN\03_GENERAL CONCEPT PLANS (May 2022)\17220.2CDR03.dwg - 0803
 Date/Time: Mon Oct 24, 2022 - 10:56am
 Drawn by: jw/m



VELOCITY (m/s)		8.226		2.546		2.549		2.554		2.555		2.333		2.335		2.332
PIPE GRADE VELOCITY		11.396		2.310		2.310		2.310		2.310		2.154		2.154		2.154
PIPE GRADE %		8.110%		0.333%		0.333%		0.333%		0.333%		0.333%		0.333%		0.333%
PIPE FLOW (m ³ /s)		3.061		3.129		3.151		3.183		3.194		2.173		2.180		2.167
PIPE CAPACITY AT GRADE		20.139		4.083		4.083		4.083		4.083		3.083		3.083		3.083
PIPE SIZE (mm)		1500		1500		1500		1500		1500		1350		1350		1350
DATUM		94.000				97.000										
DEPTH TO INVERT		3.750 3.700		7.152 7.102		7.424 7.374		6.566 6.516		6.594 6.544		6.718 6.628		5.844 5.804		5.852 5.802
HYDRAULIC GRADE LINE		98.941 98.971		104.585 104.616 104.646		104.959 104.991 104.991		105.087 105.119 105.119		105.260 105.293 105.293		105.344 105.478 105.478		105.495 105.518 105.518		105.534 105.567 105.567
INVERT LEVEL		98.013 98.093		103.677 103.727		103.875 104.025		104.104 104.154		104.269 104.319		104.358 104.508		104.548 104.598		104.628 104.678
DESIGN SURFACE LEVEL		101.793		110.829		111.399		111.070		110.863		110.536		110.492		110.613
EXISTING SURFACE LEVEL		101.793		109.875		110.895		111.237		112.189		112.356		112.343		112.260
CHAINAGE		305.265		374.118		448.581		472.364		506.842		518.514		530.414		539.530
				68.853		74.463		23.783		34.478		11.673		11.900		9.116
																18.801
																558.331
																112.091
																110.593
																105.637

NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date
 AN
 Approved
 Date
 AN
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LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- PROPOSED DRAIN
- HYDRAULIC GRADE LINE
- ▨ CRUSHED ROCK BACKFILL

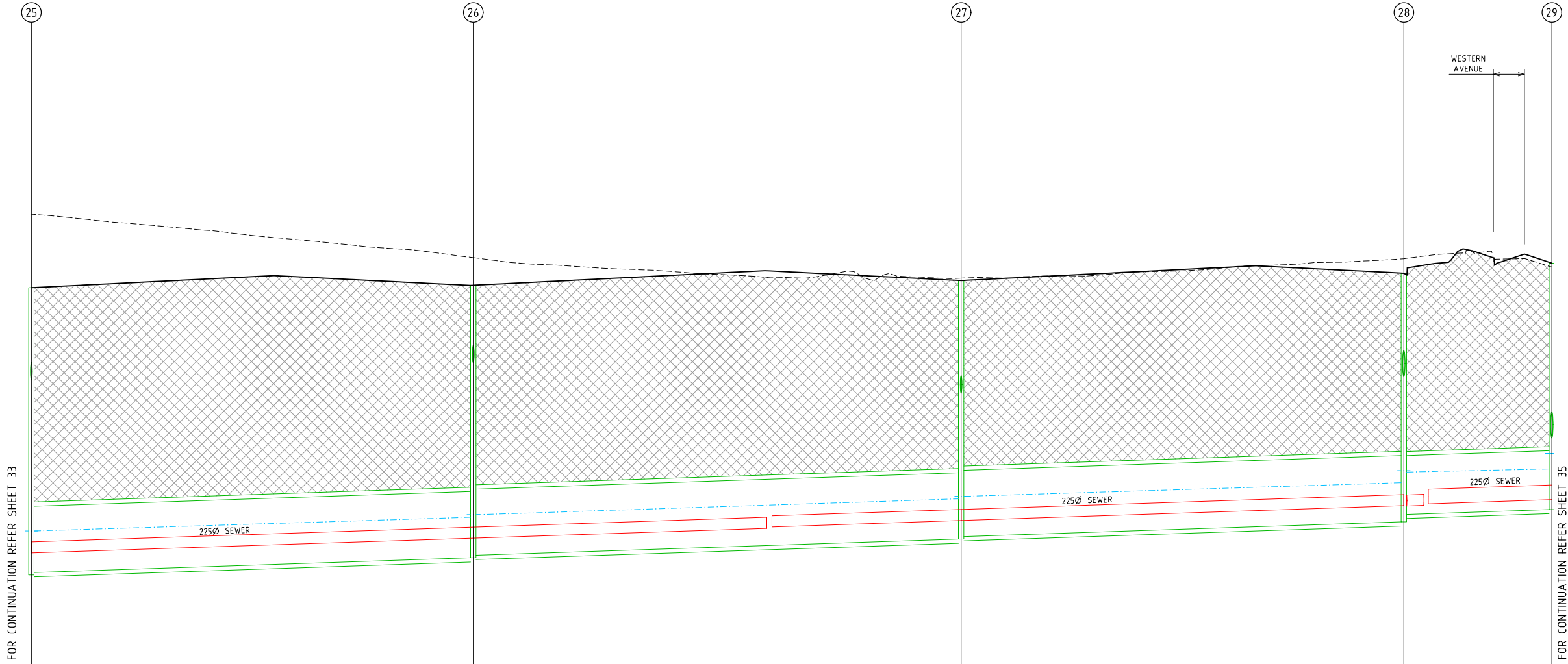
Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
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 HUME CITY COUNCIL
 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 03 OF 16
 Drawing No. 17220.2CDR03 Rev E
 Sheet No. 33 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:57am - mshy/jvn



FOR CONTINUATION REFER SHEET 33

FOR CONTINUATION REFER SHEET 35

VELOCITY (m/s)	2.323	2.317	2.297	2.194
PIPE GRADE VELOCITY	2.154	2.154	2.154	1.991
PIPE GRADE %	0.333%	0.333%	0.333%	0.333%
PIPE FLOW (m ³ /s)	2.128	2.106	2.022	1.729
PIPE CAPACITY AT GRADE	3.083	3.083	3.083	2.252
PIPE SIZE (mm)	1350	1350	1350	1200

DATUM	98.000				
DEPTH TO INVERT	106.741 105.606 105.637 105.802	105.091 105.916 105.967 105.502	105.472 106.291 106.342 105.208	105.823 106.620 106.864 106.837	106.073 106.900 106.073 105.019
HYDRAULIC GRADE LINE	104.791	105.141	105.512	105.973	106.073
INVERT LEVEL	106.741	105.091	105.472	105.823	106.073
DESIGN SURFACE LEVEL	110.593	110.643	110.740	110.889	111.182
EXISTING SURFACE LEVEL	112.091	111.206	110.788	111.182	111.182
CHAINAGE	558.331	648.329	747.679	837.839	901.142

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B. SHADE
 Date: 19/07/22
 AN 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN

LEGEND

	EXISTING SURFACE
	FINISHED SURFACE
	PROPOSED DRAIN
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

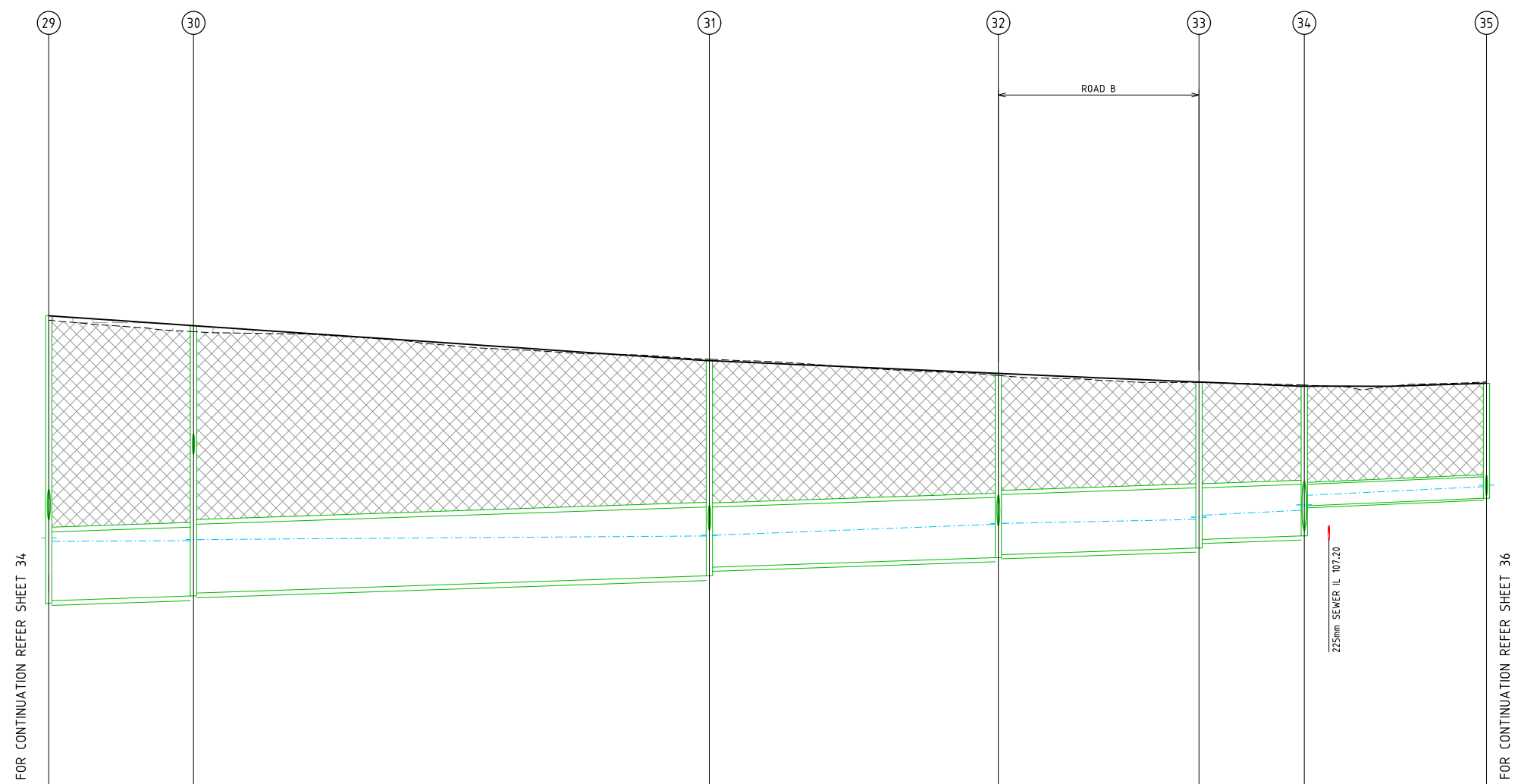


MAB HUME
 Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
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 140-204 WESTERN AVENUE, WESTMEADOWS
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 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 04 OF 16
 Drawing No. 17220.2CDR04 Rev E
 Sheet No. 34 of 53

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 Date/Time: Mon Oct 24, 2022 - 10:57am - mshy/jwh



VELOCITY (m/s)	2.017		2.018		1.897		1.779		1.641		1.055											
PIPE GRADE VELOCITY	1.991		1.991		1.822		1.822		1.644		1.025											
PIPE GRADE %	0.333%		0.333%		0.333%		0.333%		0.333%		0.416%											
PIPE FLOW (m ³ /s)	1.187		1.191		0.933		0.719		0.521		0.064											
PIPE CAPACITY AT GRADE	2.252		2.252		1.577		1.577		1.046		0.113											
PIPE SIZE (mm)	1200		1200		1050		1050		900		375											
DATUM	98.000																					
DEPTH TO INVERT	106.073	106.900	107.217	107.531	106.557	107.253	3.753	106.875	107.457	3.212	107.042	107.542	2.896	107.253	107.701	2.612	107.778	107.795	2.087	108.112	108.138	
HYDRAULIC GRADE LINE	106.073	106.900	107.217	107.531	106.557	107.253	3.753	106.875	107.457	3.212	107.042	107.542	2.896	107.253	107.701	2.612	107.778	107.795	2.087	108.112	108.138	
INVERT LEVEL	106.073	106.900	107.217	107.531	106.557	107.253	3.753	106.875	107.457	3.212	107.042	107.542	2.896	107.253	107.701	2.612	107.778	107.795	2.087	108.112	108.138	
DESIGN SURFACE LEVEL	111.093	111.093	111.093	111.093	110.921	110.921	110.921	110.921	110.921	110.921	110.921	110.921	110.921	109.938	109.938	109.938	109.938	109.866	109.866	109.866	109.918	109.918
EXISTING SURFACE LEVEL	111.014	111.014	111.014	111.014	110.816	110.816	110.816	110.816	110.816	110.816	110.816	110.816	110.816	109.935	109.935	109.935	109.935	109.885	109.885	109.885	109.940	109.940
CHAINAGE	867.982	867.982	867.982	867.982	893.232	893.232	893.232	893.232	893.232	893.232	893.232	893.232	893.232	903.651	903.651	903.651	903.651	903.651	903.651	903.651	903.651	903.651

NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

- LEGEND**
- EXISTING SURFACE
 - FINISHED SURFACE
 - PROPOSED DRAIN
 - HYDRAULIC GRADE LINE
 - ▨ CRUSHED ROCK BACKFILL

Coords: MGA Levels: AHD

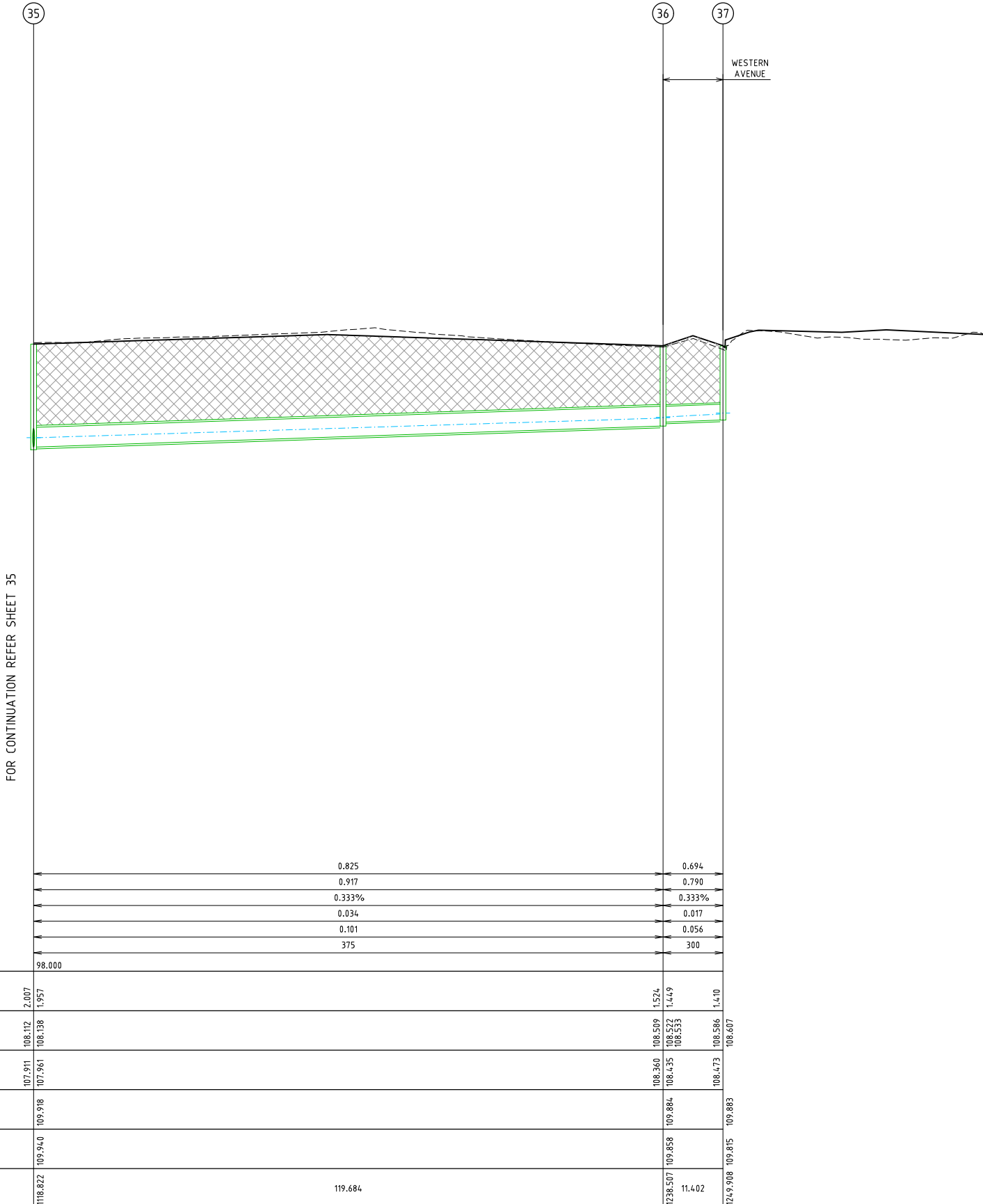
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H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

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 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 05 OF 16
 Drawing No. 17220.2CDR05 Rev E
 Sheet No. 35 of 53

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VELOCITY (m/s)		0.825	0.694
PIPE GRADE VELOCITY		0.917	0.790
PIPE GRADE %		0.333%	0.333%
PIPE FLOW (m ³ /s)		0.034	0.017
PIPE CAPACITY AT GRADE		0.101	0.056
PIPE SIZE (mm)		375	300
DATUM	98.000		
DEPTH TO INVERT	108.112 -2.007 108.138 1.957		108.509 1.524 108.522 1.449 108.533 1.410
HYDRAULIC GRADE LINE			108.560 108.509 1.524 108.572 1.449 108.586 1.410
INVERT LEVEL	107.911 107.961		108.360 108.435 108.473
DESIGN SURFACE LEVEL	109.918		109.884 109.883
EXISTING SURFACE LEVEL	109.940		109.858 109.815
CHAINAGE	118.822	119.684	128.507 11.402 124.908

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Drawn	B.SHADE	Date	19/07/22
AN	1271366	Designed	M.HUYNH
Date	03/06/22	AN	2891056
Checked		Date	
AN		Approved	
Date		AN	
APP'D			
REV	DESCRIPTION	DATE	AMEND
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn B.SHADE
 Date 19/07/22
 AN 1271366
 Designed M.HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date
 AN
 Approved
 Date
 AN
 APP'D

LEGEND

---	EXISTING SURFACE
---	FINISHED SURFACE
---	PROPOSED DRAIN
---	HYDRAULIC GRADE LINE
---	CRUSHED ROCK BACKFILL

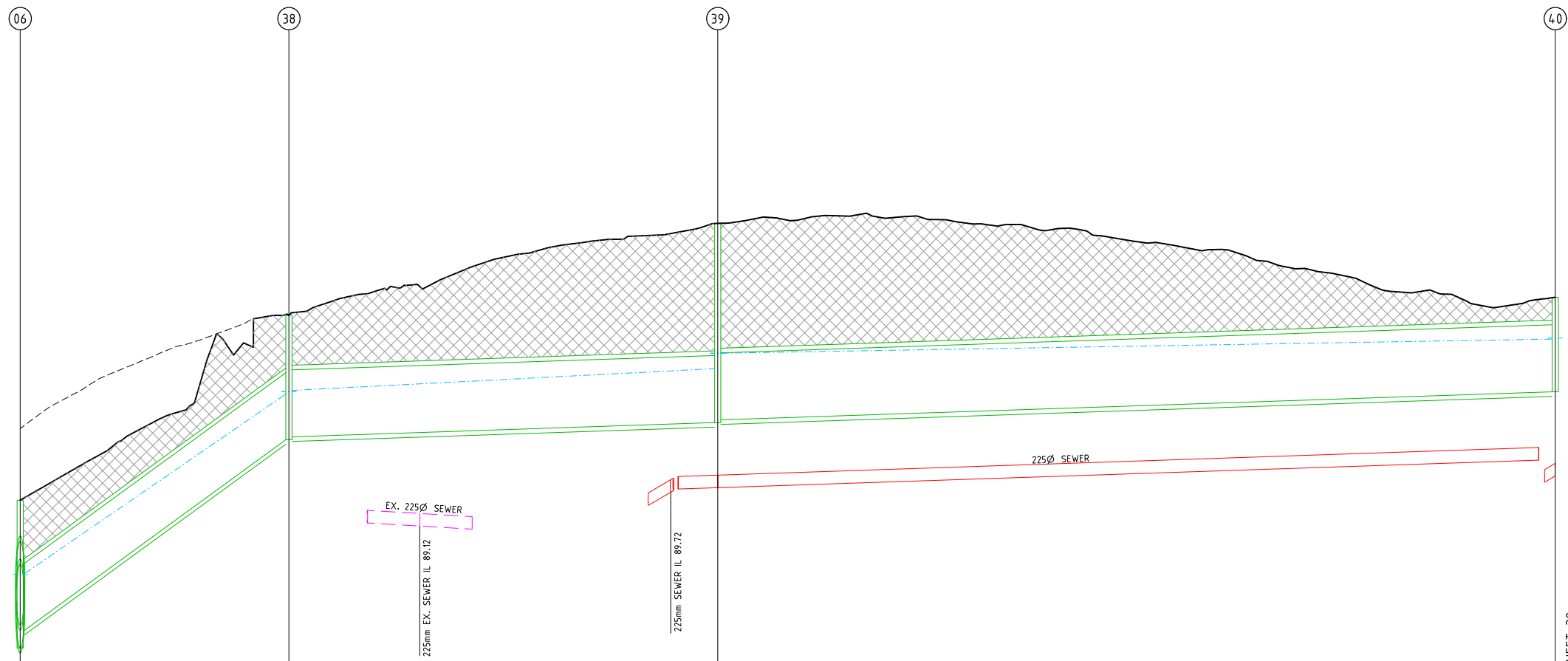


Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

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 SHEET 06 OF 16
 Drawing No. 17220.2CDR06 Rev E
 Sheet No. 36 of 53

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FOR CONTINUATION REFER SHEET 38

VELOCITY (m/s)		7.297		2.268		2.217
PIPE GRADE VELOCITY		9.205		1.991		1.991
PIPE GRADE %		7.125%		0.333%		0.333%
PIPE FLOW (m ³ /s)		2.200		2.273		1.829
PIPE CAPACITY AT GRADE		10.411		2.252		2.252
PIPE SIZE (mm)		1200		1200		1200

DATUM							80.000
DEPTH TO INVERT		88.144 2.645 88.247 2.345		91.479 2.228 91.521 2.178		90.968 3.567 91.018 3.517	92.462 1.693 92.481
HYDRAULIC GRADE LINE		88.144 88.247		91.479 91.521 91.543		91.934 92.210	92.462 92.481
INVERT LEVEL		86.933 87.233		90.662 90.712		90.968 91.018	91.518 93.211
DESIGN SURFACE LEVEL		85.578		92.890		94.535	93.211
EXISTING SURFACE LEVEL		90.863		92.890		94.535	93.211
CHAINAGE		0.000	48.124	48.124	76.821	124.945	150.000

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AN	1271366	Designed	M. HUYNH
Date	03/06/22	AN	2891056
Checked		Date	
AN		Approved	
Date		AN	
APPD		DATE	AMEND
APPD			

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

LEGEND	
---	EXISTING SURFACE
—	FINISHED SURFACE
—	PROPOSED DRAIN
---	HYDRAULIC GRADE LINE
⊗	CRUSHED ROCK BACKFILL



Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

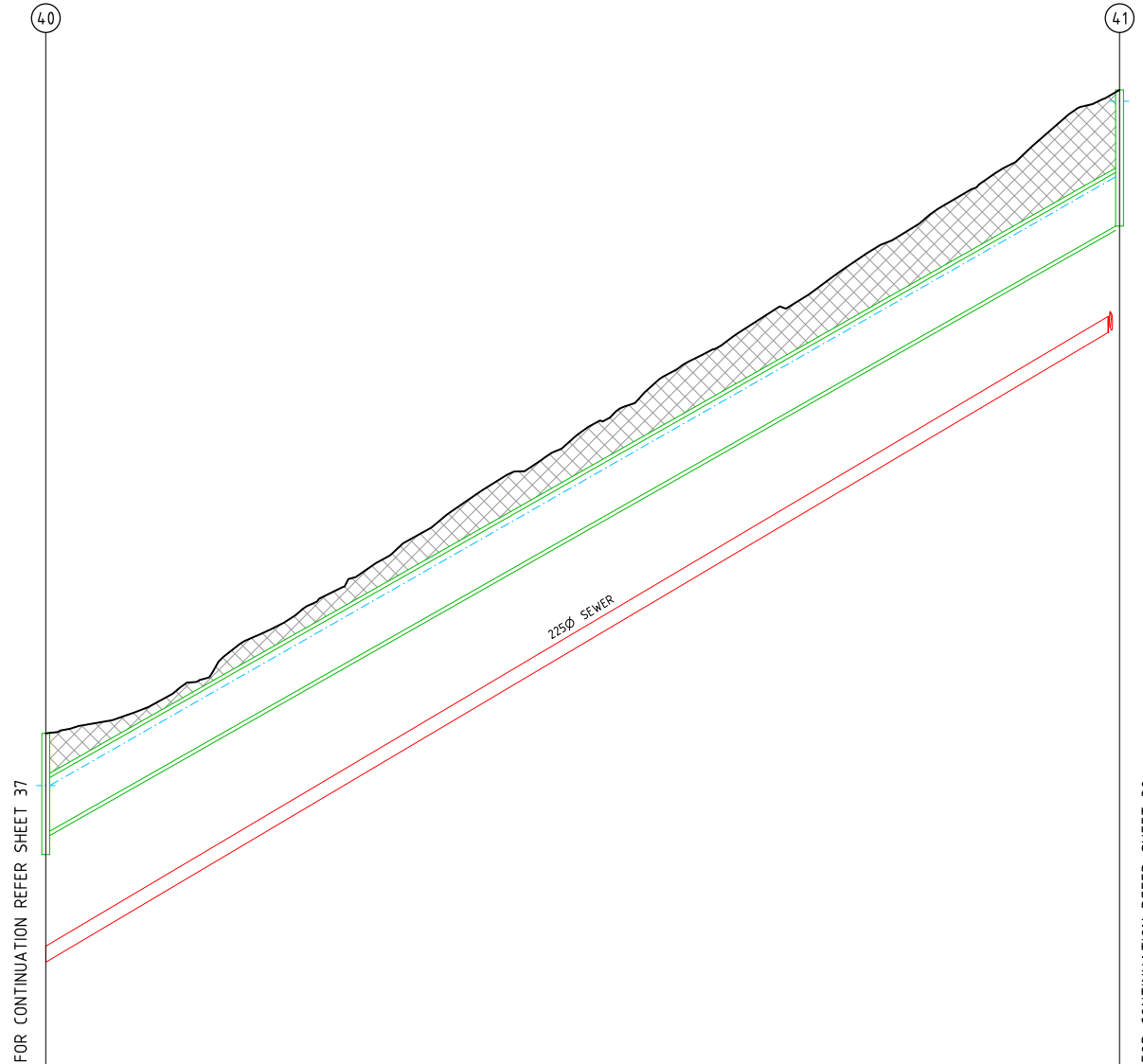
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 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 07 OF 16
 Drawing No. 17220.2CDR07 Rev E
 Sheet No. 37 of 53

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 Date/Time: Mon Oct 24, 2022 - 10:57am - wshy/jwh



VELOCITY (m/s)		6.008
PIPE GRADE VELOCITY		5.985
PIPE GRADE %		5.636%
PIPE FLOW (m ³ /s)		1.344
PIPE CAPACITY AT GRADE		2.644
PIPE SIZE (mm)		750
DATUM		85.000
DEPTH TO INVERT	1.693	1.902
HYDRAULIC GRADE LINE	92.462 92.481	100.984 102.040
INVERT LEVEL	91.518 91.843	100.296 102.198
DESIGN SURFACE LEVEL	93.211	102.198
EXISTING SURFACE LEVEL	93.211	102.198
CHAINAGE	274.945 93.211	150.000 424.945 102.198

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B.SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M.HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN

LEGEND

	EXISTING SURFACE
	FINISHED SURFACE
	PROPOSED DRAIN
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL



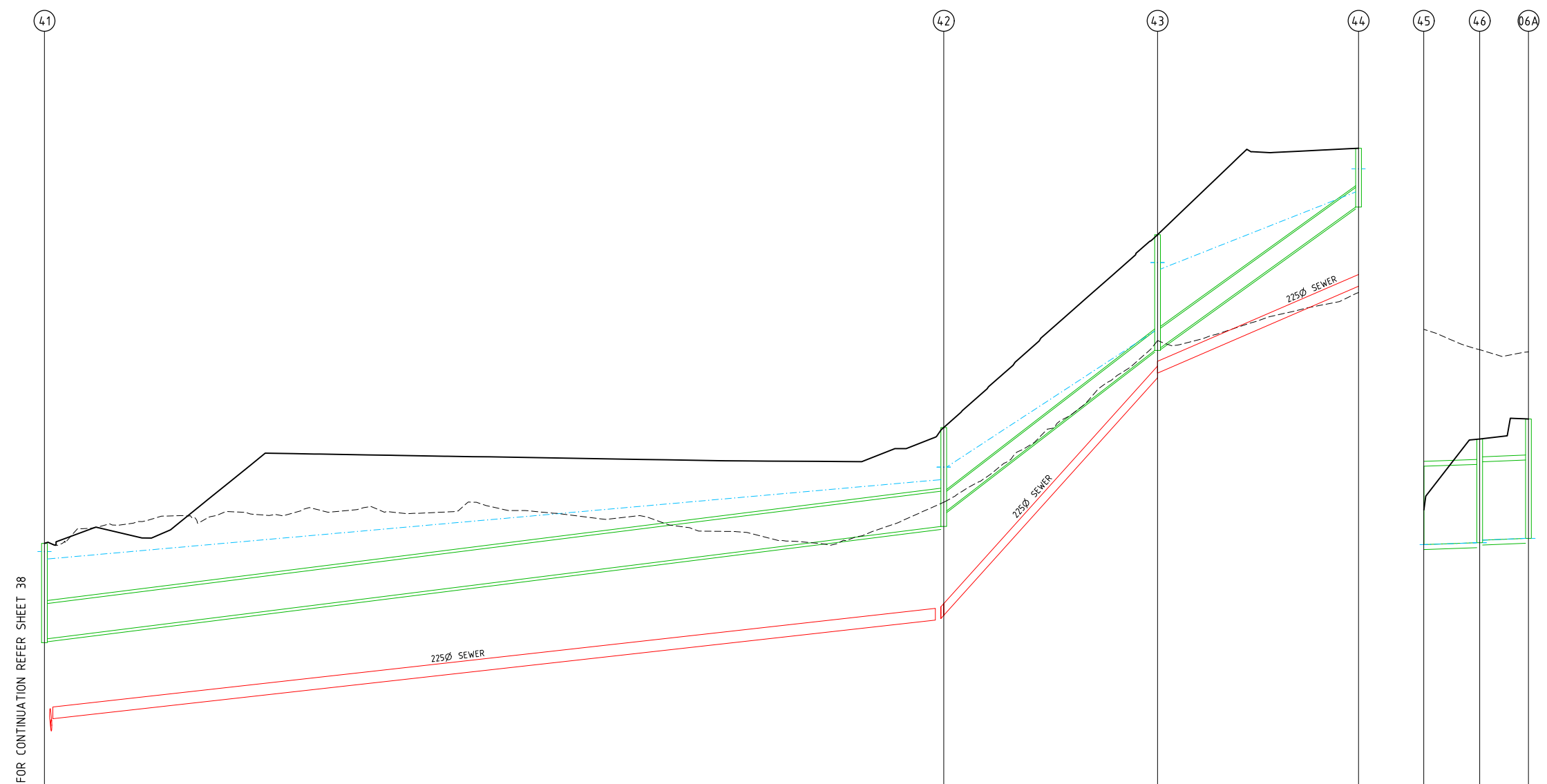
Coords: MGA Levels: AHD
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 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

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 Drawing No. 17220.2CDR08 Rev E
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 Date/Time: Mon Oct 24, 2022 - 10:57am - mshy/invn



VELOCITY (m/s)		2.941		4.883		3.779		0.000	0.000
PIPE GRADE VELOCITY		2.626		4.349		4.202		2.311	2.414
PIPE GRADE %		1.249%		7.500%		7.000%		0.331%	0.364%
PIPE FLOW (m ³ /s)		0.790		0.410		0.155		0.000	0.000
PIPE CAPACITY AT GRADE		0.940		0.480		0.464		4.083	4.265
PIPE SIZE (mm)		675		375		375		1500	1500
DATUM	94.000							79.000	
DEPTH TO INVERT	100.296 100.984 102.198 102.996	1.902 1.827		102.521 103.418 102.821 104.415	1.894 1.594		105.892 106.263 105.942 108.107	2.215 2.165	108.635 108.925 1.127
HYDRAULIC GRADE LINE	100.296 100.984 102.198 102.996	100.371 101.659		102.521 103.658		105.892 106.263 105.942 107.448		108.635 108.925	
INVERT LEVEL	100.296 100.371		102.521 102.821		105.892 105.942		108.635 108.925		
DESIGN SURFACE LEVEL	102.198		104.415		108.107		109.762		
EXISTING SURFACE LEVEL	102.198		102.986		106.080		107.000		
CHAINAGE	424.945	172.174	597.119	638.059	676.540	707.000	709.762		

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Drawn	B. SHADE	19/07/22		
Date	AN	1271366		
Designed	M. HUYNH	03/06/22		
Date	AN	2891056		
Checked				
Date				
Approved				
Date				
AN				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- PROPOSED DRAIN
- HYDRAULIC GRADE LINE
- ▨ CRUSHED ROCK BACKFILL



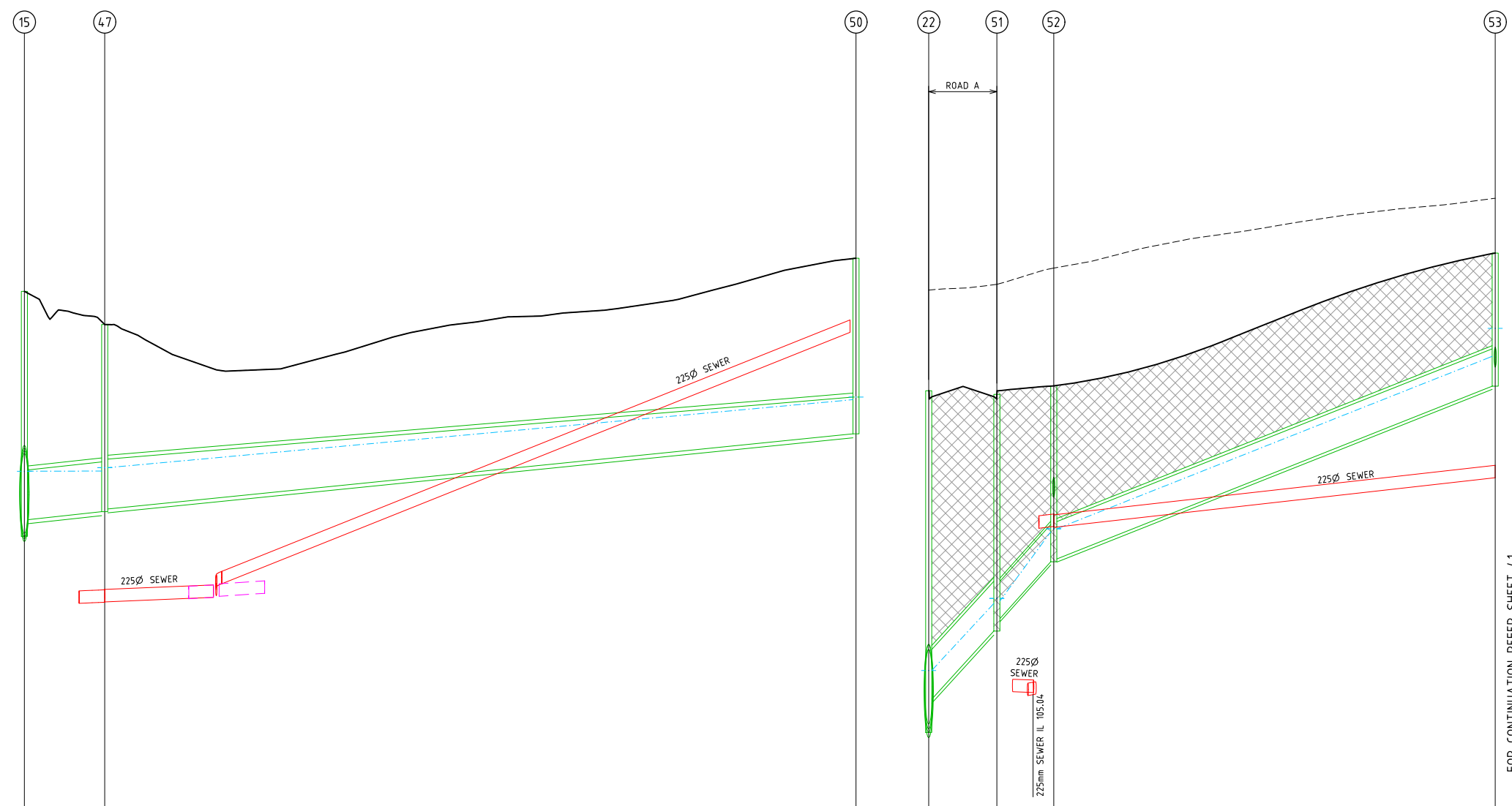
Coords: MGA Levels: AHD
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 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

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 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 09 OF 16
 Drawing No. 17220.2CDR09 Rev E
 Sheet No. 39 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:27am - mshy/inv



VELOCITY (m/s)	2.970		3.015	
PIPE GRADE VELOCITY	2.847		3.219	
PIPE GRADE %	1.000%		1.000%	
PIPE FLOW (m ³ /s)	1.080		1.152	
PIPE CAPACITY AT GRADE	1.811		1.622	
PIPE SIZE (mm)	900		900	
DATUM	83.000			
DEPTH TO INVERT	91.903 93.028 93.080	4.429 4.729	92.349 93.084 93.145	3.384 3.334
HYDRAULIC GRADE LINE	93.028 93.080		93.084 93.145	94.374 94.422
INVERT LEVEL	91.903 92.203		92.349 92.399	93.757 94.374
DESIGN SURFACE LEVEL	96.332		95.733	96.932
EXISTING SURFACE LEVEL	96.332		95.733	96.932
CHAINAGE	0.000	14.520	14.520	135.804

VELOCITY (m/s)	6.152		6.323		4.483	
PIPE GRADE VELOCITY	9.002		7.431		4.650	
PIPE GRADE %	10.000%		10.000%		3.915%	
PIPE FLOW (m ³ /s)	0.720		0.724		0.722	
PIPE CAPACITY AT GRADE	5.727		2.659		1.664	
PIPE SIZE (mm)	900		675		675	
DATUM	99.000					
DEPTH TO INVERT	104.358 104.958	105.344 105.478	6.718 5.578	106.190 106.415	106.689 106.734	4.280 4.055
HYDRAULIC GRADE LINE	110.536	110.471		107.444 107.494	108.040 108.040	3.180 3.130
INVERT LEVEL	112.356	112.460		110.624	110.624	111.157 111.664
DESIGN SURFACE LEVEL	112.356	112.460		110.624	110.624	113.025
EXISTING SURFACE LEVEL	112.356	112.460		110.624	110.624	113.025
CHAINAGE	0.000	12.320	12.320	10.285	22.605	79.799

FOR CONTINUATION REFER SHEET 41

NOT TO BE USED FOR CONSTRUCTION

Drawn	B. SHADE			
Date	19/07/22			
AN	1271366			
Designed	M. HUYNH			
Date	03/06/22			
AN	2891056			
Checked	Date			
Date	AN			
Approved	Date			
Date	AN			
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

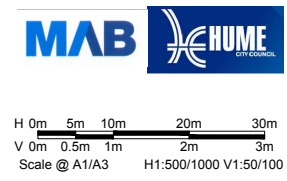
Drawn: B. SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: Date AN
 Approved: Date AN
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LEGEND

	EXISTING SURFACE
	FINISHED SURFACE
	PROPOSED DRAIN
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL

Coords: MGA Levels: AHD

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 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 10 OF 16
 Drawing No. 17220.2CDR10 Rev E
 Sheet No. 40 of 53

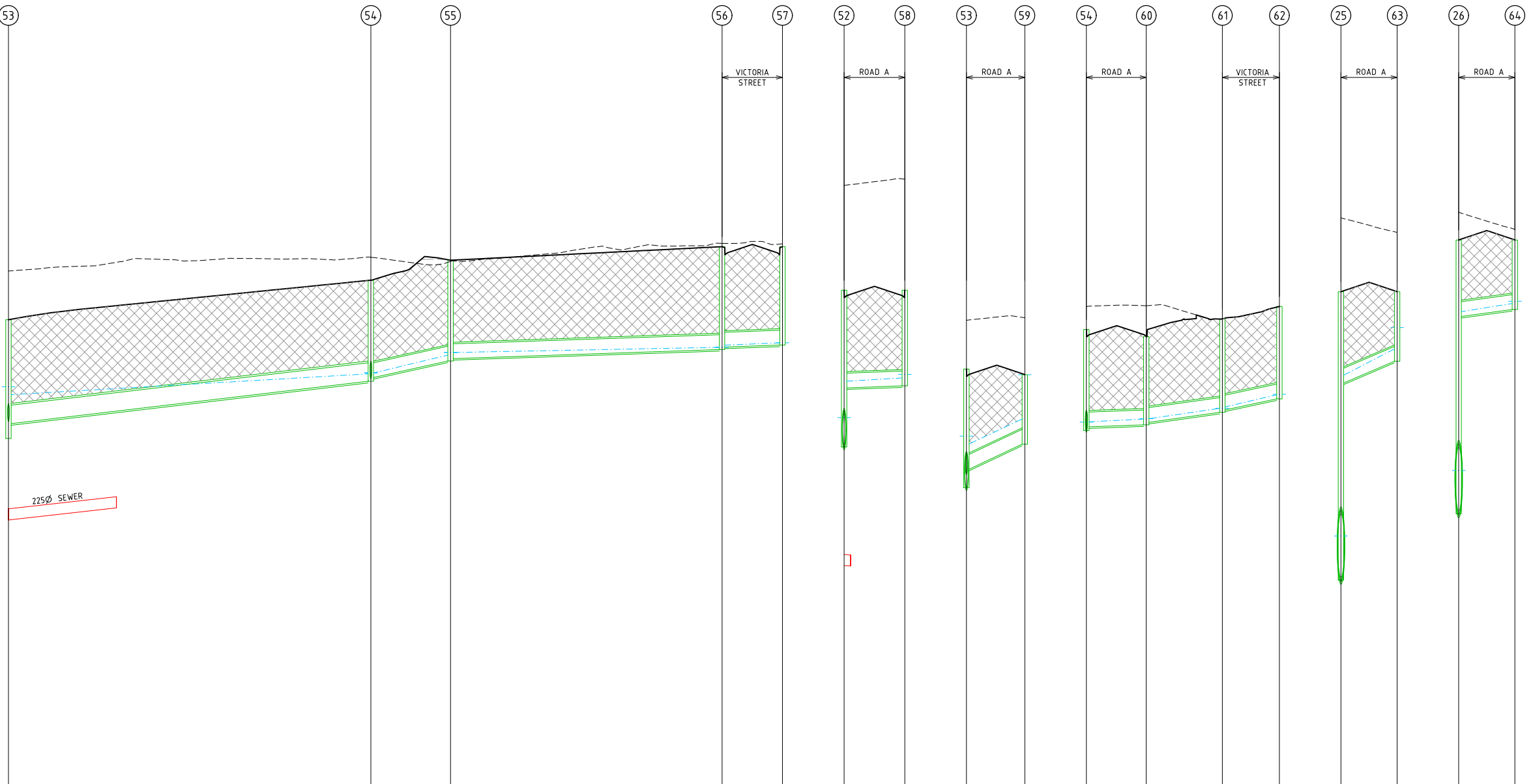
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 Date/Time: Mon Oct 24, 2022 - 10:57am - www.mesky.com.au

FOR CONTINUATION REFER SHEET 40



VELOCITY (m/s)	1.388	1.494	0.408	0.409	0.815	9.678	0.706	1.025	1.178	2.758	1.248
PIPE GRADE VELOCITY	1.716	1.969	0.790	0.790	0.790	2.831	0.790	1.567	1.904	2.694	1.526
PIPE GRADE %	1.168%	2.069%	0.333%	0.333%	0.333%	4.280%	0.333%	1.311%	1.935%	3.874%	1.243%
PIPE FLOW (m ³ /s)	0.043	0.025	0.003	0.003	0.032	0.684	0.018	0.012	0.012	0.105	0.025
PIPE CAPACITY AT GRADE	0.190	0.139	0.056	0.056	0.056	0.200	0.056	0.111	0.135	0.190	0.108
PIPE SIZE (mm)	375	300	300	300	300	300	300	300	300	300	300
DATUM	101.000				98.000	102.000	102.000			98.000	97.000
DEPTH TO INVERT		2.407									
HYDRAULIC GRADE LINE	111.577	111.526	112.465	112.465	107.444	111.577	111.526	111.526	111.526	104.741	105.091
INVERT LEVEL	110.618	111.918	111.852	112.187	112.420	110.993	111.893	112.000	112.145	108.741	109.091
DESIGN SURFACE LEVEL	113.025	113.827	114.232	114.232	112.753	114.014	114.294	114.309	114.043	112.091	111.206
EXISTING SURFACE LEVEL	114.014	114.294	114.212	114.212	112.753	114.014	114.294	114.309	114.043	112.091	111.206
CHAINAGE	102.403	73.563	16.175	192.141	24.728	12.325	12.325	12.150	15.436	11.400	11.400

REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B. SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN
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LEGEND

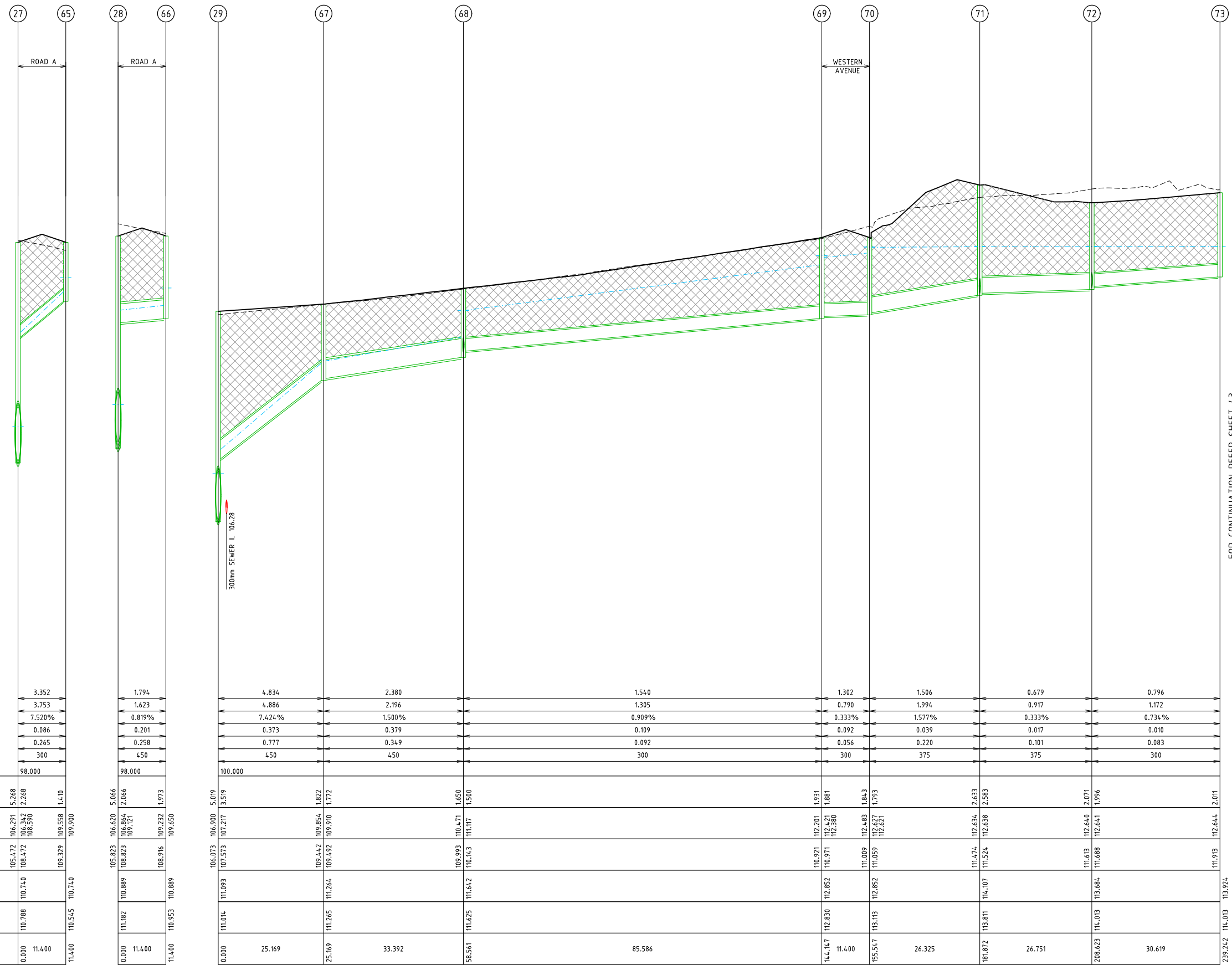
- EXISTING SURFACE
- FINISHED SURFACE
- PROPOSED DRAIN
- HYDRAULIC GRADE LINE
- ⊞ CRUSHED ROCK BACKFILL

MAB **HUME**
 Hume City Council
 Coords: MGA Levels: AHD
 Scale @ A1/A3 H1:500/1000 V1:50/100
 0m 5m 10m 20m 30m
 0m 0.5m 1m 2m 3m

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 11 OF 16
 Drawing No. 17220.2CDR11 Rev E
 Sheet No. 41 of 53

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Drawing File: C:\126_Sydney\data\SYNERGY-HE\17220-1-Clearway_Site_Western_Avenue_Tullamarine_125A\1_DESIGN\01_ACD\03_GENERAL CONCEPT PLANS (May 2022)\17220.2CDR12.dwg - DR12
 Date/Time: Mon Oct 24, 2022 - 10:57am - mshy/jrn



VELOCITY (m/s)	3.352	1.794	4.834	2.380	1.540	1.302	1.506	0.679	0.796
PIPE GRADE VELOCITY	3.753	1.623	4.886	2.196	1.305	0.790	1.994	0.917	1.172
PIPE GRADE %	7.520%	0.819%	7.424%	1.500%	0.909%	0.333%	1.577%	0.333%	0.734%
PIPE FLOW (m ³ /s)	0.086	0.201	0.373	0.379	0.109	0.092	0.039	0.017	0.010
PIPE CAPACITY AT GRADE	0.265	0.258	0.777	0.349	0.092	0.056	0.220	0.101	0.083
PIPE SIZE (mm)	300	450	450	450	300	300	375	375	300
DATUM	98.000	98.000	100.000						
DEPTH TO INVERT	5.268	2.066	5.019	1.650	1.931	1.881	1.843	2.633	2.071
HYDRAULIC GRADE LINE	106.291	106.864	106.620	109.854	110.471	112.201	112.634	112.634	112.640
INVERT LEVEL	105.472	108.472	107.573	109.492	110.471	110.921	111.009	111.474	111.613
DESIGN SURFACE LEVEL	110.740	110.889	111.093	111.264	111.642	112.852	112.852	114.107	113.684
EXISTING SURFACE LEVEL	110.788	111.182	111.014	111.465	111.625	112.830	113.113	113.811	114.013
CHAINAGE	0.000	11.400	0.000	25.169	33.392	58.561	85.586	114.147	114.400

FOR CONTINUATION REFER SHEET 43

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B.SHADE
 Date 19/07/22
 AN 1271366
 Designed M.HUYNH
 Date 03/06/22
 AN 2891056
 Checked
 Date
 AN
 Approved
 Date
 AN

- LEGEND**
- EXISTING SURFACE
 - FINISHED SURFACE
 - PROPOSED DRAIN
 - HYDRAULIC GRADE LINE
 - ▨ CRUSHED ROCK BACKFILL



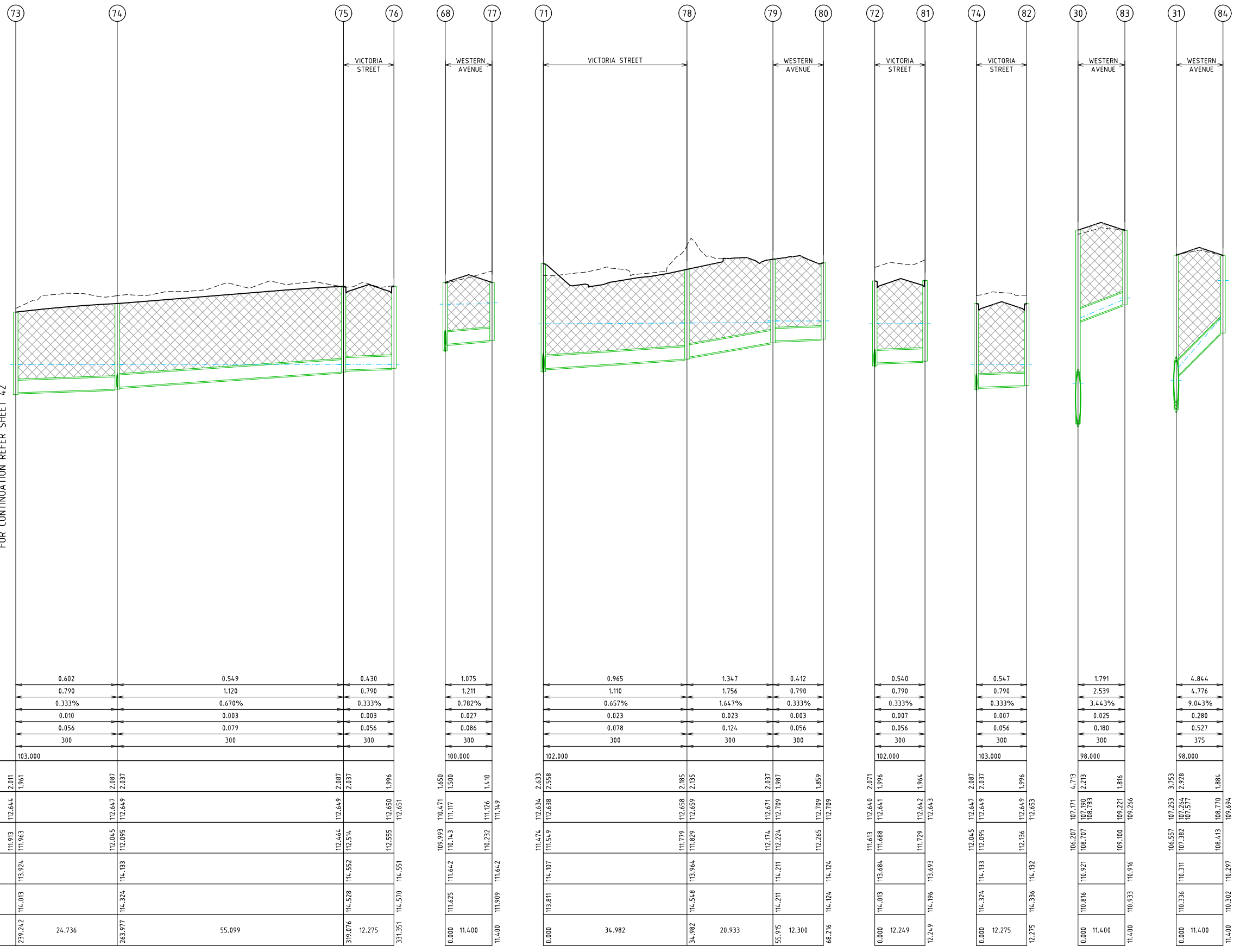
MAB **HUME**
 Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
DRAINAGE LONGITUDINAL SECTIONS
 SHEET 12 OF 16
 Drawing No. 17220.2CDR12 Rev E
 Sheet No. 42 of 53

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Drawing File: C:\126_Sydney\data\SYNERGY-HE\172201-1-Clearway Site, Western Avenue, Tullamarine_125A1_DESIGN\01_ACD\03_GENERAL CONCEPT PLANS (May 2022)\172201.2CDR01.dwg - 08/13
 Date/Time: Mon Oct 24, 2022 - 10:57am - wshp/jrn

FOR CONTINUATION REFER SHEET 42



VELOCITY (m/s)	0.602	0.549	0.430	1.075	0.965	1.347	0.412	0.540	0.547	1.791	4.844
PIPE GRADE VELOCITY	0.790	1.120	0.790	1.211	1.110	1.756	0.790	0.790	0.790	2.539	4.776
PIPE GRADE %	0.333%	0.670%	0.333%	0.782%	0.657%	1.647%	0.333%	0.333%	0.333%	3.443%	9.043%
PIPE FLOW (m ³ /s)	0.010	0.003	0.003	0.027	0.023	0.023	0.003	0.007	0.007	0.025	0.280
PIPE CAPACITY AT GRADE	0.056	0.079	0.056	0.086	0.078	0.124	0.056	0.056	0.056	0.180	0.527
PIPE SIZE (mm)	300	300	300	300	300	300	300	300	300	300	375
DATUM	103.000			100.000	102.000			102.000	103.000	98.000	98.000
DEPTH TO INVERT	2.011 1.961	2.087 2.037	2.087 2.037	1.650 1.500	2.633 2.558	2.185 2.135	2.037 1.987	2.071 1.996	2.087 2.037	4.713 2.213	3.753 2.928
HYDRAULIC GRADE LINE	112.644 112.644	112.647 112.649	112.649 112.651	111.117 111.126	112.638 112.638	112.659 112.659	112.671 112.709	112.640 112.641	112.647 112.649	107.171 108.783	107.263 107.577
INVERT LEVEL	111.913 111.963	112.045 112.095	112.464 112.514	109.993 110.143	111.549 111.829	111.779 111.829	112.174 112.224	111.613 111.688	112.095 112.649	106.207 108.707	106.557 107.382
DESIGN SURFACE LEVEL	113.924 113.924	114.133 114.133	114.552 114.552	111.642 111.642	114.107 114.107	113.964 113.964	114.211 114.211	113.684 113.684	114.133 114.133	110.921 110.921	110.311 110.311
EXISTING SURFACE LEVEL	114.013 114.013	114.324 114.324	114.528 114.528	111.625 111.625	114.107 114.107	114.548 114.548	114.211 114.211	114.013 114.013	114.324 114.324	110.816 110.816	110.336 110.336
CHAINAGE	239.242 24.736	263.977 24.736	319.076 12.275	0.000 11.400	0.000 34.982	34.982 20.933	55.915 12.300	0.000 12.249	0.000 12.275	0.000 11.400	0.000 11.400

NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

- LEGEND**
- EXISTING SURFACE
 - FINISHED SURFACE
 - PROPOSED DRAIN
 - HYDRAULIC GRADE LINE
 - ▨ CRUSHED ROCK BACKFILL

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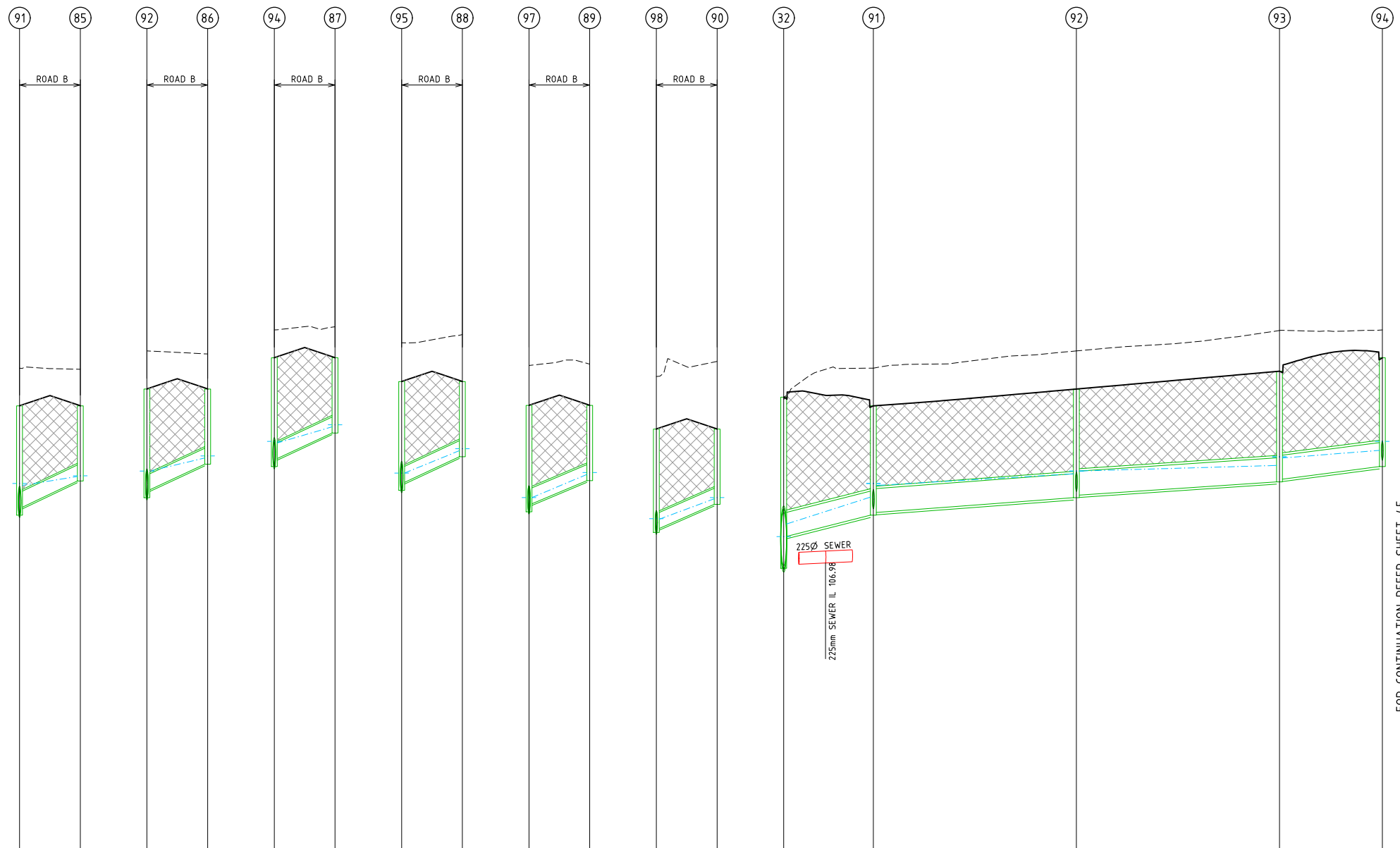


MAB **HUME**
 Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
INDUSTRIAL SUBDIVISION
140-204 WESTERN AVENUE, WESTMEADOWS
HUME CITY COUNCIL
DRAINAGE LONGITUDINAL SECTIONS
SHEET 13 OF 16
Drawing No. 17220.2CDR13 Rev E
 Sheet No. 43 of 53

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 Date/Time: Mon Oct 24, 2022 - 10:57am - mshy/jm-



VELOCITY (m/s)	1.595	1.880	1.875	1.861	1.804	1.723	2.794	1.725	1.609	2.065
PIPE GRADE VELOCITY	2.839	2.805	2.809	2.809	2.674	2.727	2.759	1.528	1.448	1.984
PIPE GRADE %	4.303%	4.200%	4.212%	4.212%	3.818%	3.971%	2.367%	0.725%	0.652%	1.223%
PIPE FLOW (m ³ /s)	0.013	0.023	0.023	0.022	0.023	0.019	0.231	0.215	0.185	0.186
PIPE CAPACITY AT GRADE	0.201	0.198	0.199	0.199	0.189	0.193	0.439	0.243	0.230	0.315
PIPE SIZE (mm)	300	300	300	300	300	300	450	450	450	450
DATUM	99.000	99.000	99.000	100.000	101.000	102.000	99.000	99.000	99.000	99.000
DEPTH TO INVERT	107.874 108.212 108.467 108.431	108.648 108.701 108.701 108.701	109.088 109.353 109.328 109.328	109.620 109.664 109.664 109.664	110.119 110.119 110.119 110.119	110.549 110.749 110.807 110.797	110.457 107.470 107.470 107.470	108.212 108.212 108.467 108.431	108.648 108.648 108.648 108.648	109.088 109.088 109.088 109.088
HYDRAULIC GRADE LINE	107.874 108.024 108.024 108.024	108.350 108.350 108.350 108.350	108.829 108.829 108.829 108.829	109.489 109.489 109.489 109.489	110.107 110.107 110.107 110.107	110.521 110.521 110.521 110.521	107.874 107.924 107.924 107.924	108.212 108.212 108.467 108.431	108.648 108.648 108.648 108.648	109.088 109.088 109.088 109.088
INVERT LEVEL	107.874 108.024 108.024 108.024	108.350 108.350 108.350 108.350	108.829 108.829 108.829 108.829	109.489 109.489 109.489 109.489	110.107 110.107 110.107 110.107	110.521 110.521 110.521 110.521	107.874 107.924 107.924 107.924	108.212 108.212 108.467 108.431	108.648 108.648 108.648 108.648	109.088 109.088 109.088 109.088
DESIGN SURFACE LEVEL	110.632 109.925 109.925 109.925	110.239 110.239 110.239 110.239	110.825 110.825 110.825 110.825	111.380 111.380 111.380 111.380	111.932 111.932 111.932 111.932	112.487 112.487 112.487 112.487	110.088 110.088 110.088 110.088	109.925 109.925 109.925 109.925	110.239 110.239 110.239 110.239	110.825 110.825 110.825 110.825
EXISTING SURFACE LEVEL	110.632 110.632 110.632 110.632	110.954 110.954 110.954 110.954	111.348 111.348 111.348 111.348	111.807 111.807 111.807 111.807	112.261 112.261 112.261 112.261	112.715 112.715 112.715 112.715	110.051 110.051 110.051 110.051	110.632 110.632 110.632 110.632	110.954 110.954 110.954 110.954	111.348 111.348 111.348 111.348
CHAINAGE	0.000 11.400	0.000 11.400	0.000 11.400	0.000 11.400	0.000 11.400	0.000 11.400	16.826 16.826	38.106 38.106	54.932 54.932	93.038 93.038

FOR CONTINUATION REFER SHEET 45

NOT TO BE USED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

- LEGEND**
- EXISTING SURFACE
 - FINISHED SURFACE
 - PROPOSED DRAIN
 - HYDRAULIC GRADE LINE
 - ▒ CRUSHED ROCK BACKFILL

Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

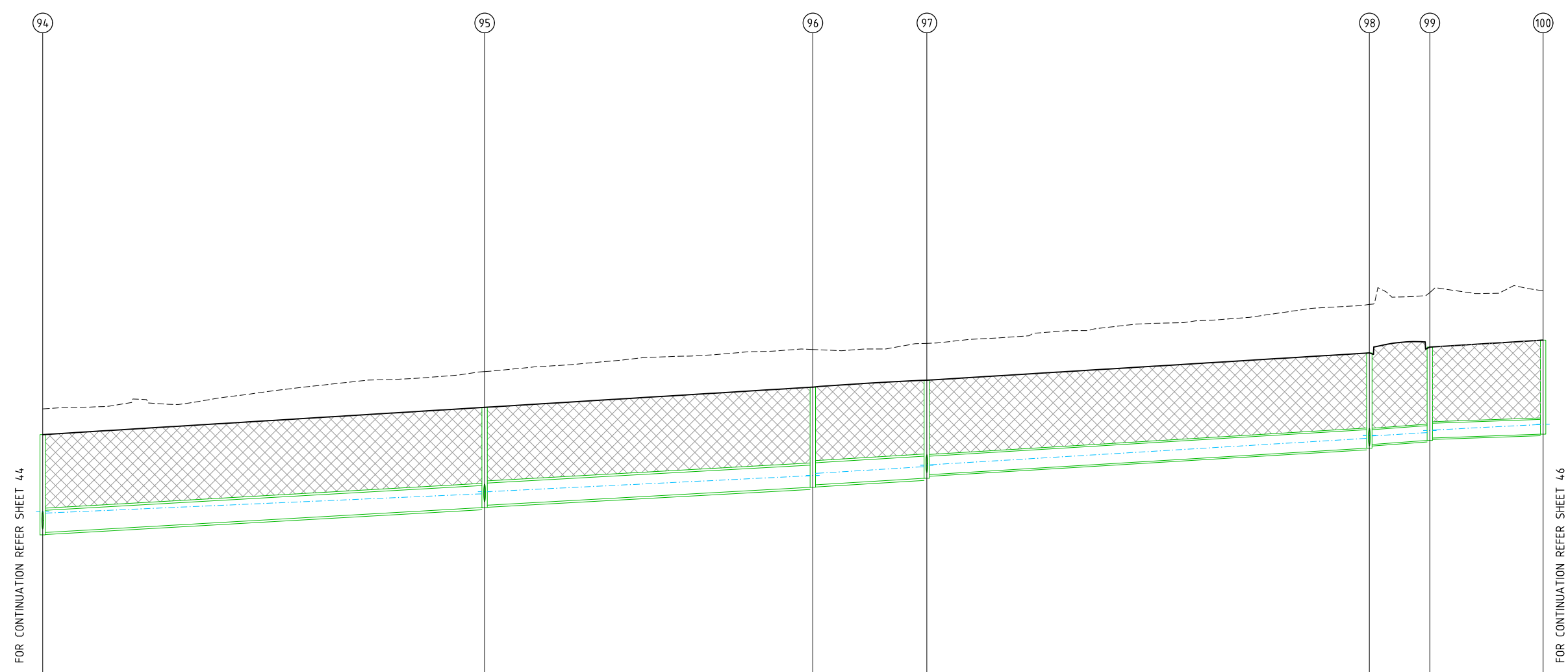
HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 14 OF 16
 Drawing No. 17220.2CDR14 Rev E
 Sheet No. 44 of 53

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CONCEPT

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 Date/Time: Mon Oct 24, 2022 - 10:57am - weskj/inv



FOR CONTINUATION REFER SHEET 44

FOR CONTINUATION REFER SHEET 46

VELOCITY (m/s)	1.458	1.348	1.380	1.257	1.143	0.873
PIPE GRADE VELOCITY	1.343	1.322	1.360	1.227	1.121	0.790
PIPE GRADE %	0.561%	0.544%	0.575%	0.597%	0.670%	0.333%
PIPE FLOW (m3/s)	0.152	0.114	0.115	0.075	0.043	0.043
PIPE CAPACITY AT GRADE	0.214	0.210	0.216	0.135	0.079	0.056
PIPE SIZE (mm)	450	450	450	375	300	300

DATUM	101.000					
DEPTH TO INVERT	2.041 109.088 109.257 109.226	2.041 109.620 109.664 1.991	2.039 109.988 109.994 110.036	1.986 110.072 110.063 110.210	1.938 110.749 110.807 110.797	1.915 111.030 110.866 110.917
HYDRAULIC GRADE LINE	108.785 108.835	109.339 109.389	109.753 109.803	109.936 110.011	110.549 110.624	110.707 110.751
INVERT LEVEL	108.825 110.875	111.380 111.380	111.792 111.792	111.932 111.932	112.487 112.487	112.606 112.606
DESIGN SURFACE LEVEL	111.348 111.348	112.107 112.107	112.556 112.556	112.883 112.883	113.475 113.475	113.714 113.714
EXISTING SURFACE LEVEL	112.338 112.338	202.338 202.338	269.192 269.192	292.111 292.111	362.537 362.537	394.849 394.849
CHAINAGE	90.000	66.854	23.219	90.126	12.312	23.069

NOT TO BE USED FOR CONSTRUCTION

Drawn	B. SHADE			
Date	19/07/22			
AN	1271366			
Designed	M. HUYNH			
Date	03/06/22			
AN	2891056			
Checked	Date			
Date	AN			
Approved	Date			
Date	AN			
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked Date AN
 Approved Date AN
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LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- PROPOSED DRAIN
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL



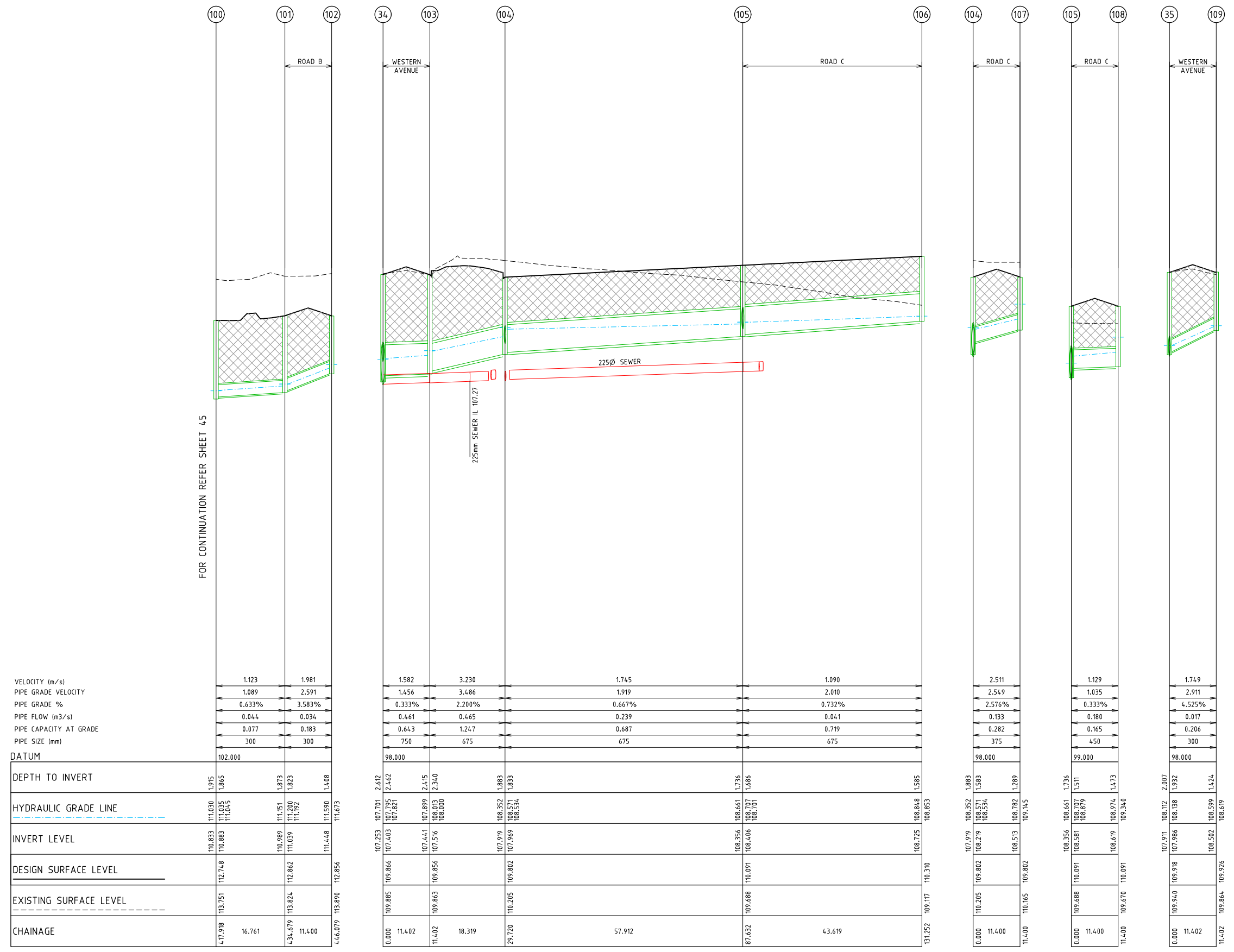
MAB **HUME**
 Coords: MGA Levels: AHD
 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

HAYSTONE
 INDUSTRIAL SUBDIVISION
 140-204 WESTERN AVENUE, WESTMEADOWS
 HUME CITY COUNCIL
 DRAINAGE LONGITUDINAL SECTIONS
 SHEET 15 OF 16
 Drawing No. 17220.2CDR15 Rev E
 Sheet No. 45 of 53

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Drawing File: C:\126_Sydney\data\SYNERGY-HE\172201-1-Clearway_Site_Western_Avenue_Tullamarine_125A\1_DESIGN\01_ACD\03_GENERAL CONCEPT PLANS (May 2022)\172201_2CDR16.dwg - DR16
 Date/Time: Mon Oct 24, 2022 - 10:58am - mshp/jrn

FOR CONTINUATION REFER SHEET 45



VELOCITY (m/s)	1.123	1.981
PIPE GRADE VELOCITY	1.089	2.591
PIPE GRADE %	0.633%	3.583%
PIPE FLOW (m ³ /s)	0.044	0.034
PIPE CAPACITY AT GRADE	0.077	0.183
PIPE SIZE (mm)	300	300
DATUM	102.000	
DEPTH TO INVERT	1.975	1.873
HYDRAULIC GRADE LINE	110.030	111.151
INVERT LEVEL	110.833	111.039
DESIGN SURFACE LEVEL	112.748	112.862
EXISTING SURFACE LEVEL	113.751	113.824
CHAINAGE	47.918	11.400

1.582	3.230	1.745	1.090	2.511	1.129	1.749
1.456	3.486	1.919	2.010	2.549	1.035	2.911
0.333%	2.200%	0.667%	0.732%	2.576%	0.333%	4.525%
0.461	0.465	0.239	0.041	0.133	0.180	0.017
0.077	1.247	0.687	0.719	0.282	0.165	0.206
750	675	675	675	375	450	300
98.000	98.000	98.000	98.000	98.000	99.000	98.000
107.253	107.701	108.661	108.552	108.352	108.661	108.112
107.403	107.875	108.661	108.552	108.571	108.707	108.112
107.441	107.899	108.603	108.571	108.571	108.619	107.986
107.516	108.000	108.603	108.571	108.571	108.619	107.986
107.919	108.352	108.661	108.552	108.352	108.661	108.112
107.969	108.352	108.661	108.552	108.352	108.661	108.112
108.356	108.661	108.661	108.552	108.356	108.661	108.112
108.406	108.661	108.661	108.552	108.356	108.661	108.112
108.725	108.848	108.853	108.853	108.725	108.848	108.853
110.205	109.885	109.885	109.885	110.205	109.885	109.885
109.863	109.856	109.856	109.856	109.863	109.856	109.856
110.205	109.802	109.802	109.802	110.205	109.802	109.802
109.868	110.091	110.091	110.091	109.868	110.091	110.091
110.310	110.310	110.310	110.310	110.310	110.310	110.310
107.919	108.352	108.661	108.552	107.919	108.352	108.661
108.219	108.571	108.571	108.571	108.219	108.571	108.571
108.219	108.571	108.571	108.571	108.219	108.571	108.571
108.513	108.782	108.782	108.782	108.513	108.782	108.782
108.356	108.661	108.661	108.552	108.356	108.661	108.552
108.581	108.707	108.707	108.571	108.581	108.707	108.571
108.619	108.619	108.619	108.571	108.619	108.619	108.571
107.911	108.112	2.007	1.932	107.911	108.112	2.007
109.940	109.918	108.538	1.932	109.940	109.918	108.538
109.940	109.918	108.538	1.932	109.940	109.918	108.538
108.502	108.599	1.424	1.424	108.502	108.599	1.424
108.502	108.599	1.424	1.424	108.502	108.599	1.424
109.864	109.926	108.619	108.619	109.864	109.926	108.619

NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn	B. SHADE
Date	19/07/22
AN	1271366
Designed	M. HUYNH
Date	03/06/22
AN	2891056
Checked	
Date	
AN	
Approved	
Date	
AN	

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- PROPOSED DRAIN
- HYDRAULIC GRADE LINE
- ▨ CRUSHED ROCK BACKFILL

Coords: MGA Levels: AHD

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Scale @ A1/A3 H1:500/1000 V1:50/100

0m 5m 10m 20m 30m
0m 0.5m 1m 2m 3m

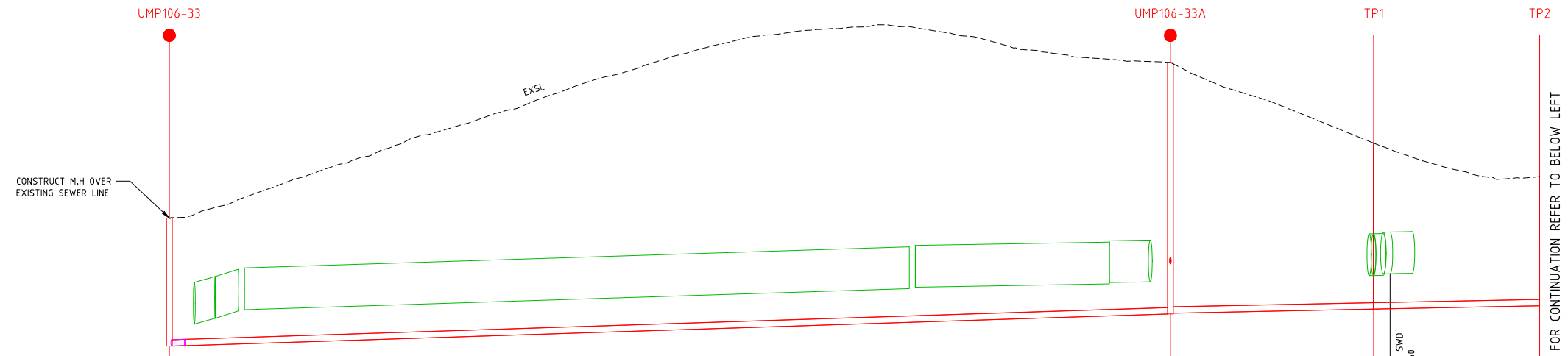
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HUME CITY COUNCIL
DRAINAGE LONGITUDINAL SECTIONS
SHEET 16 OF 16
Drawing No. 17220.2CDR16 Rev E
Sheet No. 46 of 53

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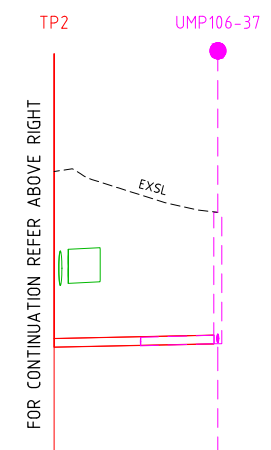
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CONCEPT

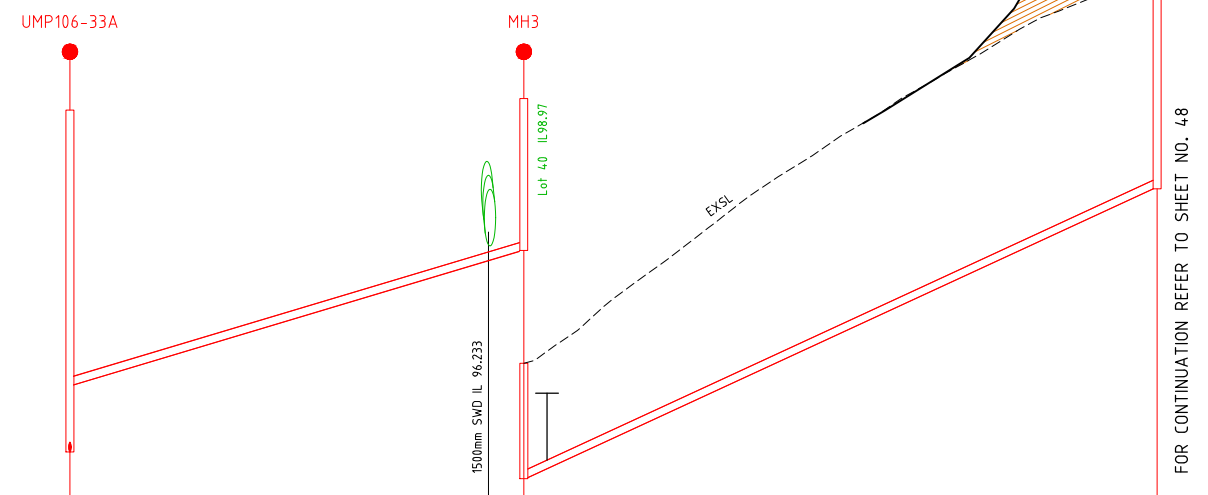
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 Date/Time: Mon Oct 24, 2022 - 10:58am - mepj/inv



DATUM (m)	87.00			
PIPE DETAILS		225PVC	225PVC	225PVC
GRADE		1:156	1:300	1:300
EMBEDMENT				
BACKFILL TYPE				
DEPTH TO INVERT	4.60		9.04 9.01	5.97 4.64
INVERT LEVEL	89.26		90.42 90.45	90.59 90.71
FINISHED SURFACE LEVEL	93.86		99.46	96.56 95.36
CHAINAGE	0.00		179.88	216.39 246.23
LENGTH		(179.88)		(29.84)



DATUM (m)	87.00
PIPE DETAILS	225PVC
GRADE	1:300
EMBEDMENT	
BACKFILL TYPE	
DEPTH TO INVERT	4.64 3.48
INVERT LEVEL	90.71 90.80
FINISHED SURFACE LEVEL	95.36 94.28
CHAINAGE	246.23 267.90
LENGTH	(9.26)



DATUM (m)	88.00	95.00
PIPE DETAILS	225PVC	225PVC
GRADE	1:17	1:13
EMBEDMENT		
BACKFILL TYPE		
DEPTH TO INVERT	9.04 7.24	4.01 2.21 7.42
INVERT LEVEL	90.42 92.22	95.75 97.55 104.38
FINISHED SURFACE LEVEL	99.46	99.76 111.79
CHAINAGE	0.00	60.04 143.82
LENGTH	(60.04)	(83.78)

NOT TO BE USED FOR CONSTRUCTION

Drawn	B.SHADE			
Date	19/07/22			
AN	1271366			
Designed	M.HUYNH			
Date	03/06/22			
AN	2891056			
Checked				
Date				
AN				
Approved				
Date				
AN				
REV	DESCRIPTION	DATE	AMEND	APPD

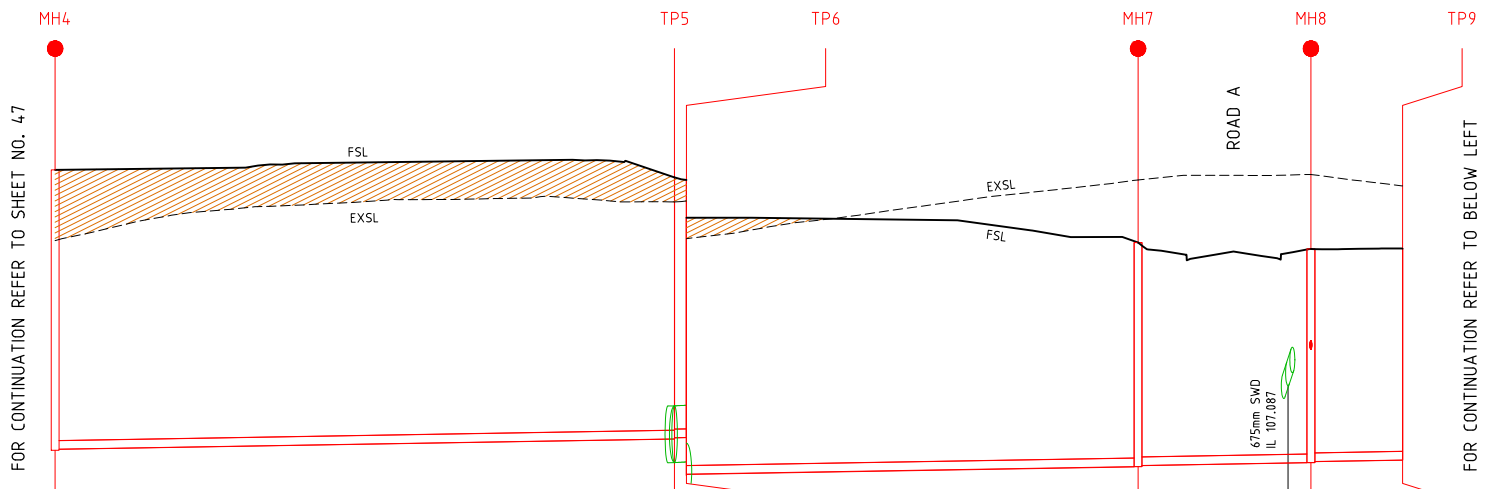
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Coords: MGA Levels: AHD
 Scale @ A1/A3 H1:500/1000 V1:50/100

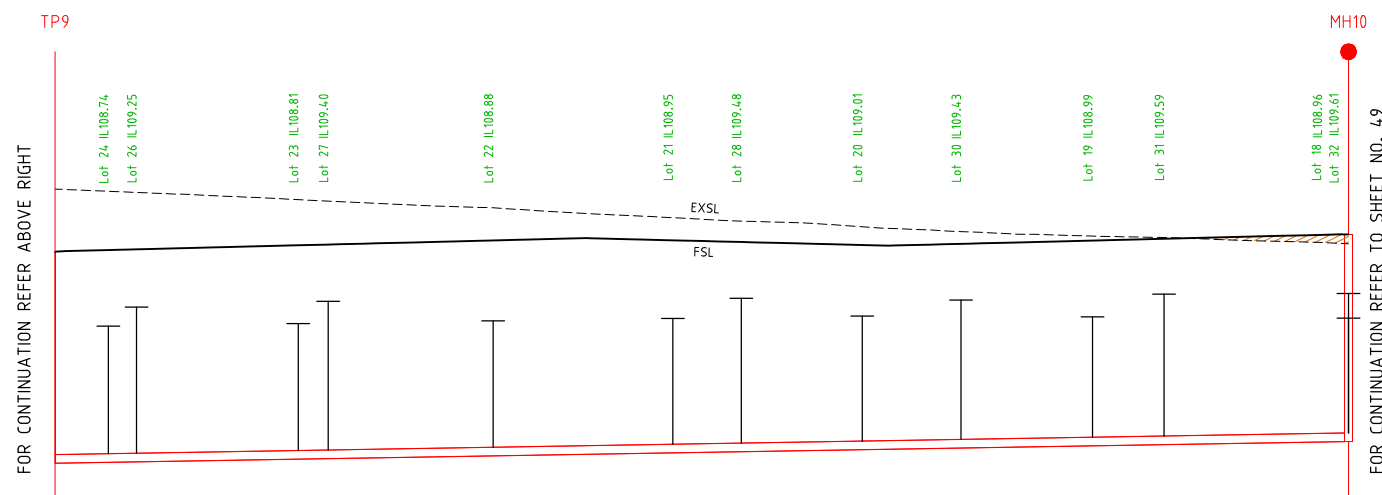
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 SHEET 01 OF 06
 Drawing No. 17220.2CSLS01 Rev E
 Sheet No. 47 of 53

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DATUM (m)	102.00		103.00								
PIPE DETAILS	225PVC		225PVC		225PVC		225PVC		225PVC		
GRADE	1:300		1:300		1:300		1:300		1:300		
EMBEDMENT											
BACKFILL TYPE											
DEPTH TO INVERT	7.42	7.39	6.92	6.89	6.81	6.78	5.93	5.90	5.65	5.62	5.59
INVERT LEVEL	104.38	104.41	104.68	104.71	104.71	104.74	104.94	104.97	105.05	105.08	105.12
FINISHED SURFACE LEVEL	111.79		111.59		111.53		110.87		110.70		110.71
CHAINAGE	143.82		225.76		227.33		287.08		309.94		322.08
LENGTH	(81.93)		(1.57)		(59.75)		(22.86)		(12.14)		



DATUM (m)	103.00	
PIPE DETAILS	225PVC	
GRADE	1:300	
EMBEDMENT		
BACKFILL TYPE		
DEPTH TO INVERT	5.59	5.48
INVERT LEVEL	105.12	105.69
FINISHED SURFACE LEVEL	110.71	111.17
CHAINAGE	322.08	493.19
LENGTH	(171.1)	

Drawing File: C:\126_Sydney\data\SYNERGY-HE\17220-1-Corridorway_Site_Western_Avenue_Tullamarine_125A\1_DESIGN\01_ACD\03_GENERAL\CONCEPT PLANS\May 2022\17220.2CSLS02.dwg - SLS02
 Date/Time: Mon Oct 24, 2022 - 10:58am - wslp/jrn

NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL

Drawn B. SHADE
 Date 19/07/22
 AN 1271366
 Designed M. HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

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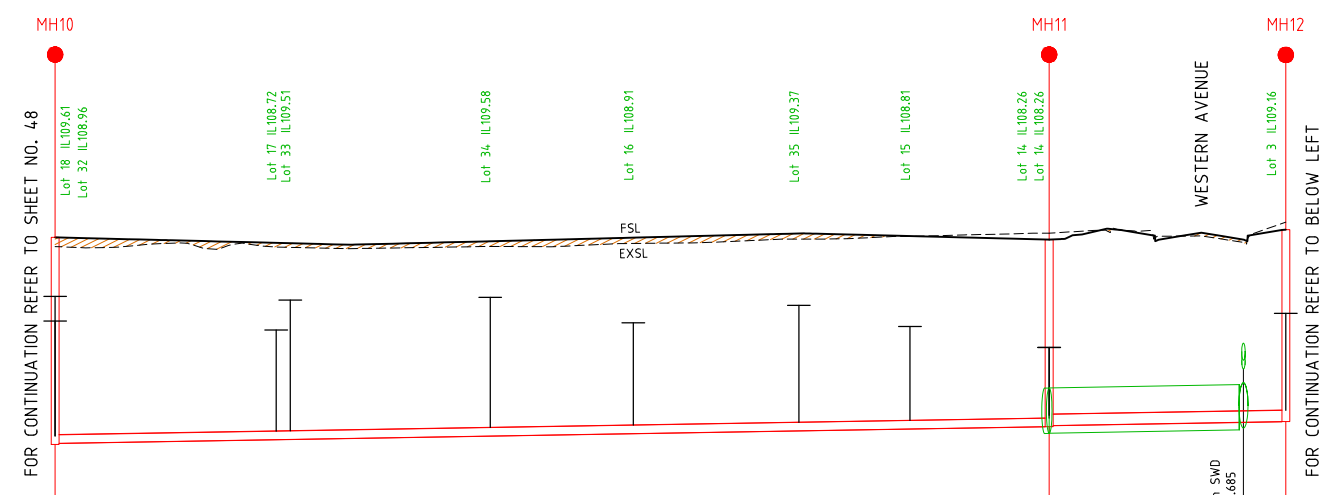
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 V 0m 0.5m 1m 2m 3m

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 SHEET 02 OF 06
 Drawing No. 17220.2CSLS02 Rev E
 Sheet No. 48 of 53

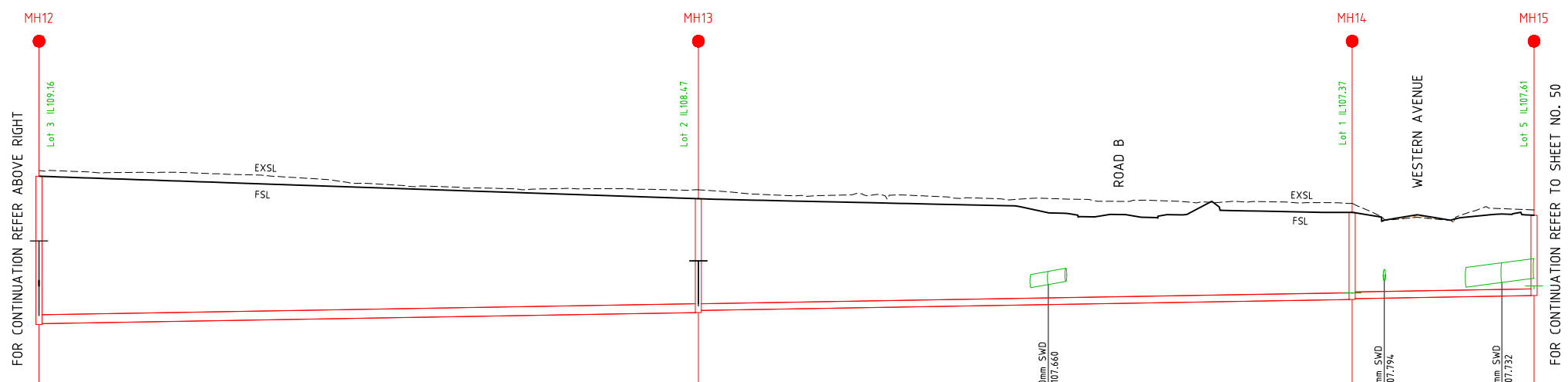
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 Date/Time: Mon Oct 24, 2022 - 10:58am - mshp/jrn



DATUM (m)	103.00					
PIPE DETAILS	225PVC		300PVC		300PVC	
GRADE	1:300		1:300		1:300	
EMBEDMENT						
BACKFILL TYPE						
DEPTH TO INVERT	5.48	5.45	4.95	4.92	5.08	
INVERT LEVEL	105.69	105.72	106.16	106.19	106.29	
FINISHED SURFACE LEVEL	111.17		111.11		111.37	
CHAINAGE	493.19		624.68		656.00	
LENGTH	(131.5)		(31.31)			



DATUM (m)	103.00					
PIPE DETAILS	300PVC		225PVC		225PVC	
GRADE	1:300		1:300		1:300	
EMBEDMENT						
BACKFILL TYPE						
DEPTH TO INVERT	5.08	5.05	3.90	3.83	2.98	2.95
INVERT LEVEL	106.29	106.32	106.70	106.77	107.15	107.18
FINISHED SURFACE LEVEL	111.37		110.60		110.13	
CHAINAGE	656.00		769.14		881.33	
LENGTH	(113.14)		(112.19)		(31.22)	

NOT TO BE USED FOR CONSTRUCTION			
REV	DESCRIPTION	DATE	AMEND
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS TL
D	ISSUED TO CLIENT	09/08/22	MH/BS TL
C	ISSUED TO CLIENT	20/07/22	MH/BS TL
B	PRELIMINARY ISSUE	01/07/22	MH TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS TL
		DATE	AMEND
		APPD	

Drawn: B. SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: AN
 Date: AN
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 Date: AN

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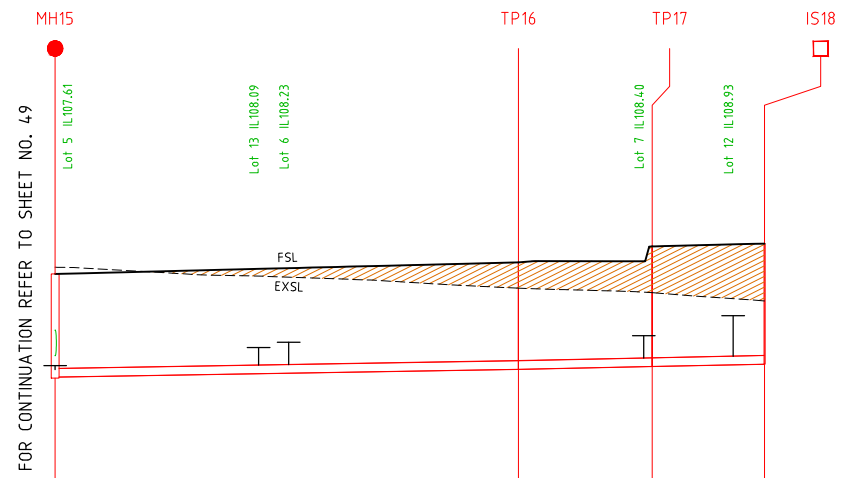


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 Coords: MGA Levels: AHD
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 H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m

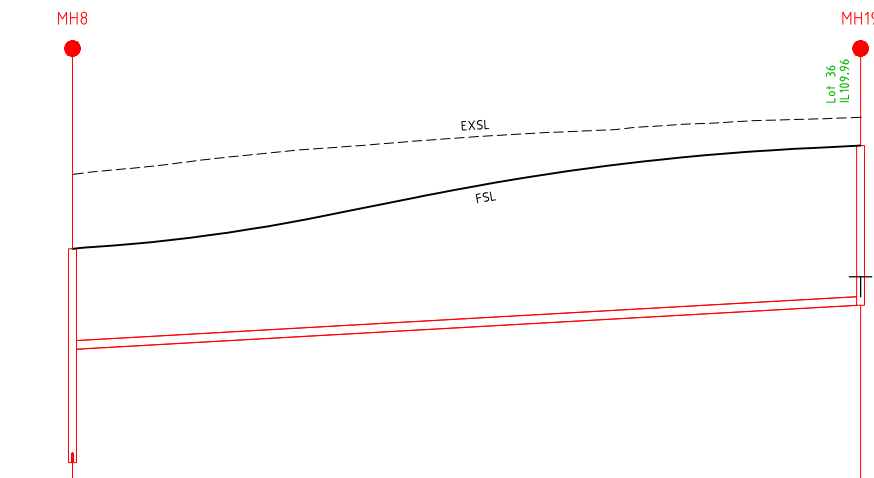
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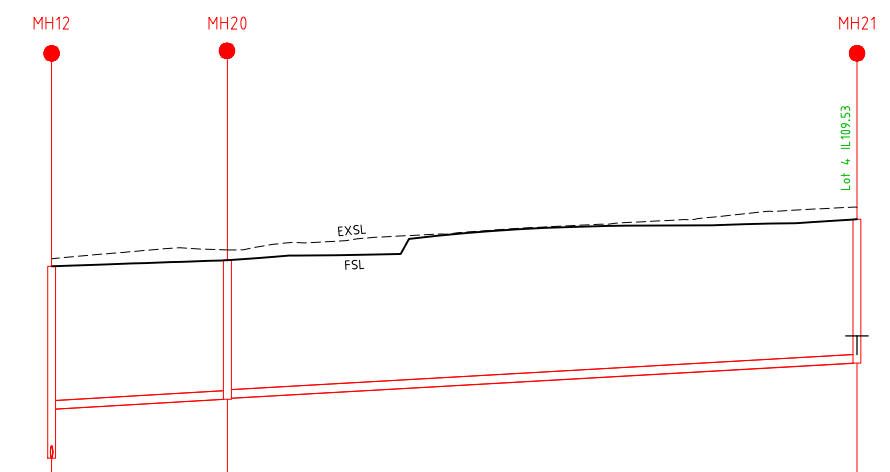
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 User: mshp/jm



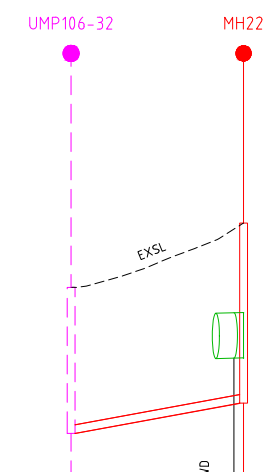
DATUM (m)	103.00			
PIPE DETAILS	225PVC		225PVC	
GRADE	1:300		1:240	
EMBEDMENT				
BACKFILL TYPE				
DEPTH TO INVERT	2.75	2.72	2.83	3.18
INVERT LEVEL	107.28	107.31	107.52	107.65
FINISHED SURFACE LEVEL	110.04		110.34	110.77
CHAINAGE	912.55		973.83	991.52
LENGTH	(61.28)		(17.69)	



DATUM (m)	103.00	
PIPE DETAILS	225PVC	
GRADE	1:90	
EMBEDMENT		
BACKFILL TYPE		
DEPTH TO INVERT	5.65	4.23
INVERT LEVEL	105.05	109.21
FINISHED SURFACE LEVEL	110.70	113.43
CHAINAGE	0.00	104.25
LENGTH	(104.25)	



DATUM (m)	104.00			
PIPE DETAILS	225PVC		225PVC	
GRADE	1:90		1:90	
EMBEDMENT				
BACKFILL TYPE				
DEPTH TO INVERT	5.08	3.78	3.68	3.81
INVERT LEVEL	106.29	107.59	107.85	108.81
FINISHED SURFACE LEVEL	111.37		111.53	112.61
CHAINAGE	0.00	23.26		106.53
LENGTH	(23.26)		(83.27)	



DATUM (m)	86.00	
PIPE DETAILS	225PVC	
GRADE	1:29	
EMBEDMENT		
BACKFILL TYPE		
DEPTH TO INVERT	3.86	4.76
INVERT LEVEL	88.95	89.75
FINISHED SURFACE LEVEL	92.81	94.51
CHAINAGE	0.00	22.82
LENGTH	(22.82)	

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APPD
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B.SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M.HUYNH
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FOR CONTINUATION REFER TO SHEET NO. 51

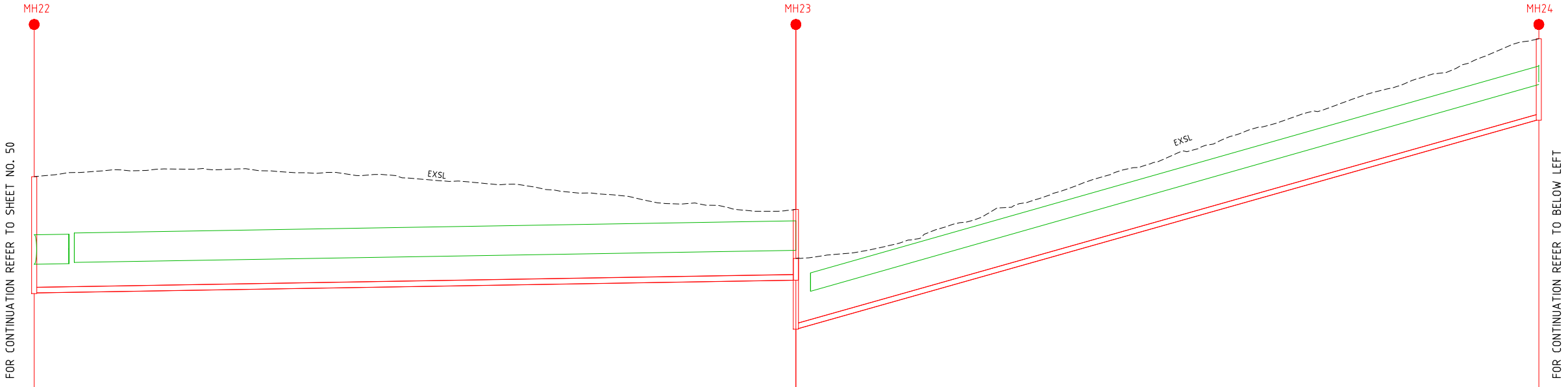
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 V 0m 0.5m 1m 2m 3m
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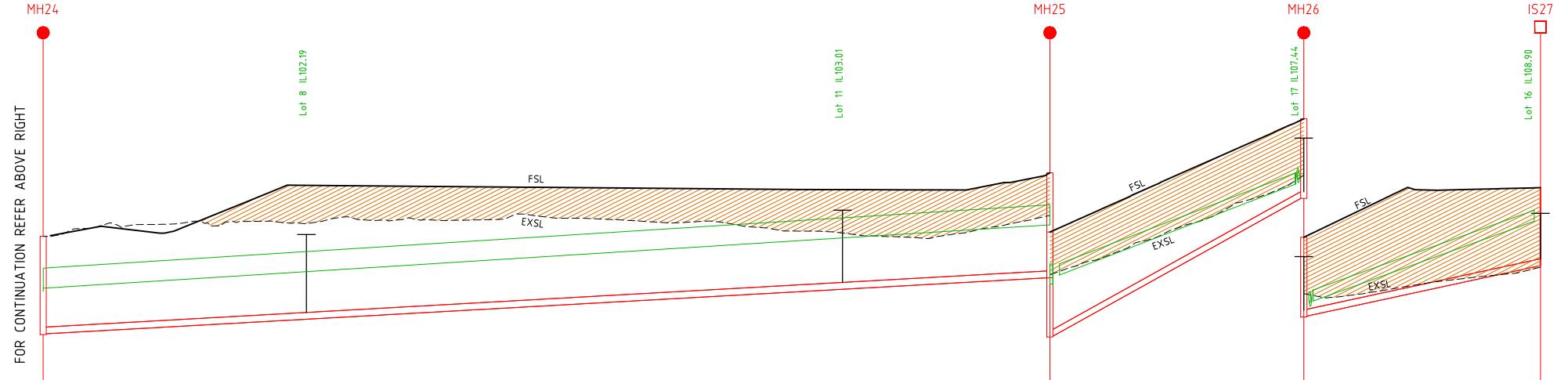
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DATUM (m)	84.00	86.00	
PIPE DETAILS	225PVC		225PVC
GRADE	1:300		1:17
EMBEDMENT			
BACKFILL TYPE			
DEPTH TO INVERT	4.76 4.73	2.88 2.85	3.32
INVERT LEVEL	89.75 89.78	90.30 90.33	98.81
FINISHED SURFACE LEVEL	94.51	93.18	102.13
CHAINAGE	22.82	178.00	329.38
LENGTH	(155.19)		(151.37)



DATUM (m)	96.00	98.00	102.00
PIPE DETAILS	225PVC		225PVC
GRADE	1:90		1:23
EMBEDMENT			
BACKFILL TYPE			
DEPTH TO INVERT	3.32 3.29	3.54 3.51	2.69 2.66
INVERT LEVEL	98.81 98.84	100.73 100.76	105.41 105.44
FINISHED SURFACE LEVEL	102.13	104.27	108.09 109.77
CHAINAGE	329.38	499.41	542.30 582.28
LENGTH	(170.03)	(42.89)	(39.98)

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 Date/Time: Mon Oct 24, 2022 - 10:58am - mshp/jrn

NOT TO BE USED FOR CONSTRUCTION				
REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn: B. SHADE
 Date: 19/07/22
 AN: 1271366
 Designed: M. HUYNH
 Date: 03/06/22
 AN: 2891056
 Checked: AN
 Date: AN
 Approved: AN
 Date: AN

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Coords: MGA Levels: AHD

H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

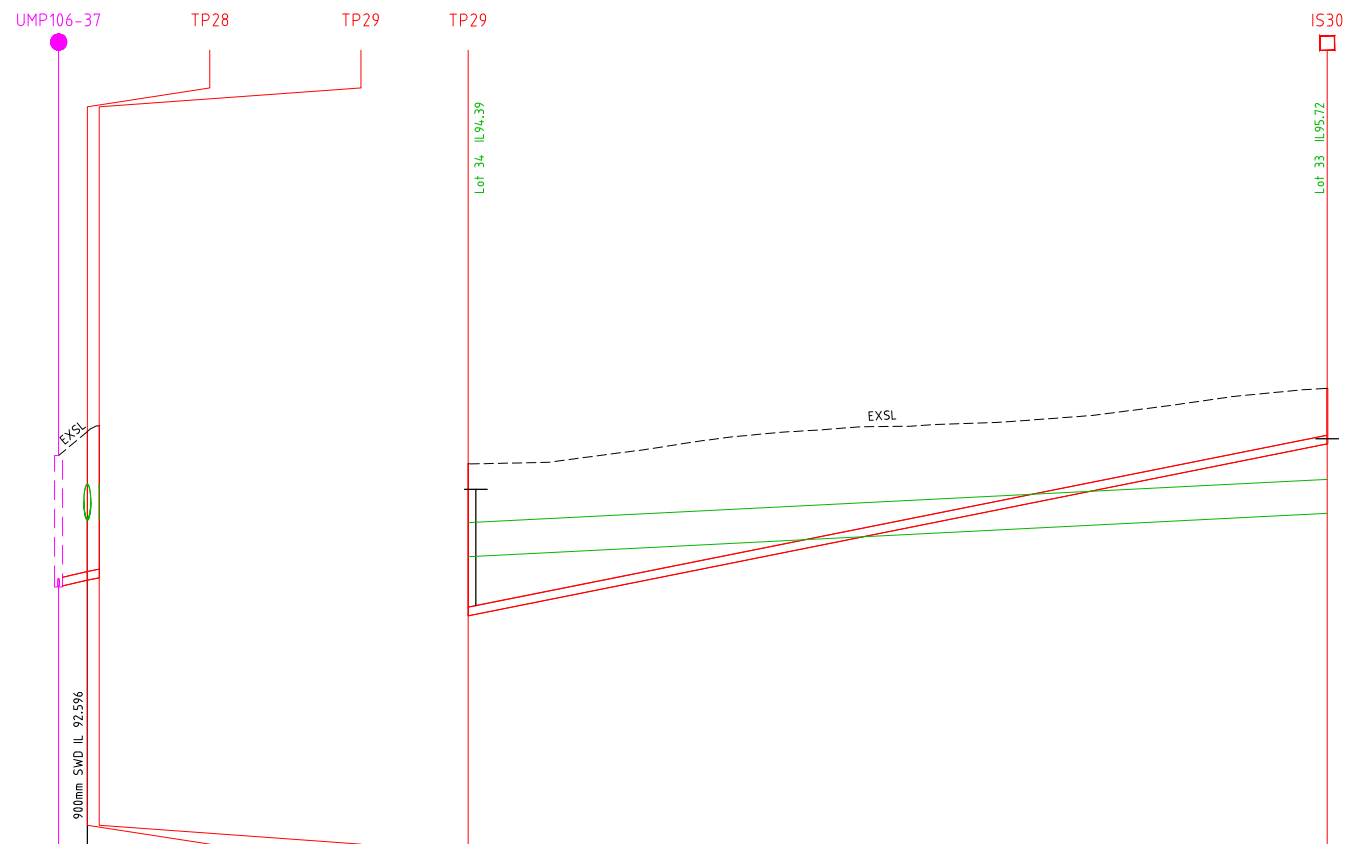
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 User: mshp/jrn



DATUM (m)	83.00				84.00			
PIPE DETAILS	225PVC		225PVC		225PVC			
GRADE	1:25		1:25		1:25			
EMBEDMENT								
BACKFILL TYPE								
DEPTH TO INVERT	3.48	3.45	3.93	4.02	4.02			1.47
INVERT LEVEL	90.80	90.83	90.98	91.05	91.05			95.59
FINISHED SURFACE LEVEL	94.28		94.91	95.07	95.07			97.06
CHAINAGE	0.00		3.82	5.39	5.39			119.03
LENGTH	(3.81)		(1.57)		(113.64)			

Coords: MGA Levels: AHD

H 0m 5m 10m 20m 30m
 V 0m 0.5m 1m 2m 3m
 Scale @ A1/A3 H1:500/1000 V1:50/100

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 Drawing No. 17220.2CSLS06 Rev E
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REV	DESCRIPTION	DATE	AMEND	APP'D
E	AMENDED RESERVE AND LOT 1 BOUNDARY	29/08/22	BS	TL
D	ISSUED TO CLIENT	09/08/22	MH/BS	TL
C	ISSUED TO CLIENT	20/07/22	MH/BS	TL
B	PRELIMINARY ISSUE	01/07/22	MH	TL
A	PRELIMINARY ISSUE	10/06/22	MH/BS	TL

Drawn B.SHADE
 Date 19/07/22
 AN 1271366
 Designed M.HUYNH
 Date 03/06/22
 AN 2891056
 Checked AN
 Date AN
 Approved AN
 Date AN

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Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

