SEALING THE HILLS ROAD RECONSTRUCTION
OLD GEMBROOK ROAD, SHERRIF ROAD AND DURBAN ROAD, EMERALD

NOTES

GENERAL
- G1. THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITY SERVICES PRIOR TO CARRYING OUT WORKS, INCLUDING VIA OBTAINING "DIAL BEFORE YOU DIG" INFORMATION.
- G2 DISCREPANCIES BETWEEN PLANS AND EXISTING CONDITIONS ARE TO BE REPORTED IMMEDIATELY TO THE COUNCIL'S SUPERVISING ENGINEER.
- G3. ALL SURPLUS EXCAVATED MATERIAL REMAINS THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE OR ADVISED BY THE COUNCIL'S SUPERVISING ENGINEER.
- G4. "REMOVE" SHALL MEAN REMOVE OFF SITE AND DISPOSE OF AT AN APPROVED DISPOSAL SITE AT THE CONTRACTOR'S EXPENSE, UNLESS SPECIFIED OTHERWISE.
- G5. ON COMPLETION OF CONSTRUCTION ALL WORK AREAS ARE TO BE CLEANED UP & REINSTATED TO THE SATISFACTION OF THE COUNCIL'S SUPERVISING ENGINEER.

PAVEMENT
- P1. ROAD CROSSFALL TO BE 3% FALLING TOWARDS TABLE DRAIN OR KERB AND CHANNEL UNLESS SPECIFIED OTHERWISE.
- P2. AT NEW FILL AREAS THE TOPSOIL SHALL BE STRIPPED AND FILLING MATERIAL PLACED IN 150M THICK LAYER AND COMPACTED, THE TOPSOIL IS THEN RESPREAD ON THE BATTER AREAS.

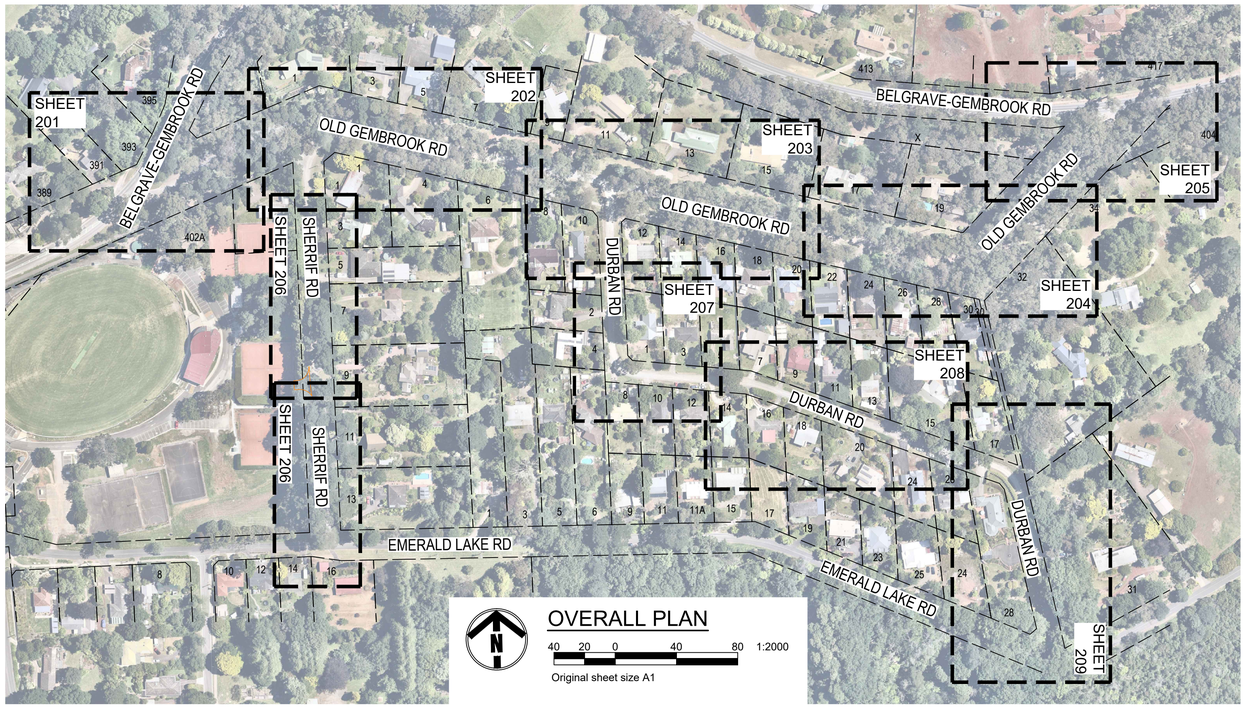
ROADSIDE
- R1. CUT AND FILL BATTERS ARE TO BE GRADED AT A MAXIMUM OF 1 IN 4 UNLESS SPECIFIED OTHERWISE OR APPROVED BY THE COUNCIL'S SUPERVISING ENGINEER.
- R2. FOOTPATH LEVELS TO MATCH EXISTING SERVICE AUTHORITY PIT LEVELS UNLESS OTHERWISE NOTED.

DRAINAGE
- D1. ALL DRAINAGE PIPES TO BE POLYPROPYLENE BLACKMAX R.R.J. SPIGOT AND SOCKET, EXCEPT FOR ROAD CROSSING PIPES WHICH ARE TO BE MINIMUM CLASS 4 REINFORCED CONCRETE PIPE R.R.J. SPIGOT AND SOCKET, UNLESS SPECIFIED OTHERWISE.
- D2. ALL PROPERTY STORMWATER OUTLETS ARE TO BE CONNECTED TO UNDERGROUND DRAINAGE PIPES WHERE AVAILABLE, OR BACK OF KERB WHERE UNDERGROUND DRAINAGE PIPES ARE NOT AVAILABLE.
- D3. ALL PIPED DRAINAGE UNDER ROAD CROSSINGS AND BEHIND BACK OF KERB TO BE BACK FILLED WITH CRUSHED ROCK UNLESS OTHER WISE SPECIFIED.

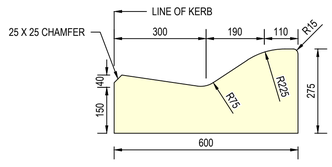
VEGETATION
- V1. ONLY TREES SHOWN TO BE REMOVED ON THIS PLAN CAN BE REMOVED. ANY DAMAGE TO THE BARK, BRANCHES, TRUNKS OR ROOTS OF OTHER TREES SHOULD BE IMMEDIATELY REPORTED TO COUNCIL'S CONSTRUCTION SURVEILLANCE OFFICER BEFORE ANY WORKS CONTINUE AROUND THE SUBJECT VEGETATION.

ANCILLARY
- A1. ALL EXISTING SIGNS AND POSTS REMAIN THE PROPERTY OF THE COUNCIL.

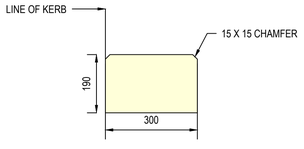
SHEET INDEX			
SHEET NO.	TITLE	CAD FILE	VERSION NO.
101	OVERALL PLAN, SHEET INDEX, TBM SETOUT AND NOTES	31846_C1.dwg	03
102	TYPICAL ROAD CROSS SECTION AND PAVEMENT DETAILS	31846_C1.dwg	03
201	LAYOUT PLAN	31846_C2.dwg	03
202	LAYOUT PLAN	31846_C2.dwg	03
203	LAYOUT PLAN	31846_C2.dwg	03
204	LAYOUT PLAN	31846_C2.dwg	03
205	LAYOUT PLAN	31846_C2.dwg	03
206	LAYOUT PLAN	31846_C2.dwg	03
207	LAYOUT PLAN	31846_C2.dwg	03
208	LAYOUT PLAN	31846_C2.dwg	03
209	LAYOUT PLAN	31846_C2.dwg	03
301	INTERSECTION DETAIL - BELGRAVE GEMBROOK ROAD AND OLD GEMBROOK ROAD (WEST)	31846_C3.dwg	00
302	INTERSECTION DETAIL - OLD GEMBROOK ROAD AND SHERRIF ROAD	31846_C3.dwg	00
303	INTERSECTION DETAIL - OLD GEMBROOK ROAD AND DURBAN ROAD	31846_C3.dwg	00
304	INTERSECTION DETAIL - BELGRAVE GEMBROOK ROAD AND OLD GEMBROOK ROAD (EAST)	31846_C3.dwg	00
305	TURN HEAD 1 AND TABLE DRAIN 1 DETAIL	31846_C3.dwg	00
305	TURN HEAD 2 AND TABLE DRAIN 2 DETAIL	31846_C3.dwg	00
401	LONGITUDINAL SECTION - OLD GEMBROOK ROAD	31846_C4.dwg	03
402	LONGITUDINAL SECTION - OLD GEMBROOK ROAD	31846_C4.dwg	03
403	LONGITUDINAL SECTION - SHERRIF ROAD	31846_C4.dwg	03
404	LONGITUDINAL SECTION - DURBAN ROAD	31846_C4.dwg	03
501	ROAD CROSS SECTIONS - OLD GEMBROOK ROAD	31846_C5.dwg	03
502	ROAD CROSS SECTIONS - OLD GEMBROOK ROAD	31846_C5.dwg	03
503	ROAD CROSS SECTIONS - OLD GEMBROOK ROAD	31846_C5.dwg	03
504	ROAD CROSS SECTIONS - OLD GEMBROOK ROAD	31846_C5.dwg	03
505	ROAD CROSS SECTIONS - OLD GEMBROOK ROAD	31846_C5.dwg	03
506	ROAD CROSS SECTIONS - OLD GEMBROOK ROAD	31846_C5.dwg	03
507	ROAD CROSS SECTIONS - SHERRIF ROAD	31846_C5.dwg	03
508	ROAD CROSS SECTIONS - SHERRIF ROAD	31846_C5.dwg	03
509	ROAD CROSS SECTIONS - DURBAN ROAD	31846_C5.dwg	03
510	ROAD CROSS SECTIONS - DURBAN ROAD	31846_C5.dwg	03
511	ROAD CROSS SECTIONS - DURBAN ROAD	31846_C5.dwg	03
512	ROAD CROSS SECTIONS - DURBAN ROAD	31846_C5.dwg	03
513	DRIVEWAY LONGITUDINAL SECTIONS	31846_C5.dwg	03
514	DRIVEWAY LONGITUDINAL SECTIONS	31846_C5.dwg	03
515	DRIVEWAY LONGITUDINAL SECTIONS	31846_C5.dwg	03
601	DRAINAGE LONGITUDINAL SECTIONS	31846_C6.dwg	02
602	DRAINAGE LONGITUDINAL SECTIONS	31846_C6.dwg	02
603	DRAINAGE LONGITUDINAL SECTIONS	31846_C6.dwg	02
604	DRAINAGE LONGITUDINAL SECTIONS	31846_C6.dwg	02
605	DRAINAGE LONGITUDINAL SECTIONS	31846_C6.dwg	02
606	DRAINAGE LONGITUDINAL SECTIONS	31846_C6.dwg	02
607	DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE	31846_C6.dwg	02
701	CUT/FILL PLAN	31846_C7.dwg	02
702	CUT/FILL PLAN	31846_C7.dwg	02
703	CUT/FILL PLAN	31846_C7.dwg	02
704	CUT/FILL PLAN	31846_C7.dwg	02
705	CUT/FILL PLAN	31846_C7.dwg	02
706	CUT/FILL PLAN	31846_C7.dwg	02
707	CUT/FILL PLAN	31846_C7.dwg	02
708	CUT/FILL PLAN	31846_C7.dwg	02
709	CUT/FILL PLAN	31846_C7.dwg	02



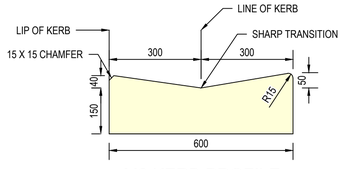
OVERALL PLAN
40 20 0 40 80 1:2000
Original sheet size A1



SM2-M KERB PROFILE
SCALE: 1:10



CONCRETE EDGE STRIP
SCALE: 1:10



M2 KERB PROFILE
SCALE: 1:10

CONTROL TABLE				
REFERENCE	EASTING	NORTHING	ELEVATION	DESCRIPTION
TDS200	363507.33	5801114.58	310.78	STAR PICKET
TDS201	363604.91	5801161.75	316.92	STAR PICKET
TDS202	363601.44	5801112.04	318.14	STAR PICKET
TDS203	363621.44	5801049.41	317.11	NAIL IN PEG
TDS204	363625.56	5800977.18	310.83	NAIL IN PEG
TDS205	363628.54	5800886.84	297.88	STAR PICKET
TDS206	363686.95	5801124.79	317.75	NAIL IN PEG
TDS207	363761.47	5801107.87	312.46	NAIL IN PEG
TDS208	363800.91	5801097.47	309.39	STAR PICKET
TDS209	363841.20	5801089.04	307.38	NAIL IN PEG
TDS210	363944.56	5801065.57	304.08	NAIL IN PEG
TDS211	364028.99	5801046.92	301.60	NAIL IN PEG
TDS212	364083.43	5801074.61	297.06	NAIL IN PEG
TDS213	364131.22	5801124.21	289.69	NAIL IN PEG
TDS214	364135.53	5801172.92	283.85	STAR PICKET
TDS215	363802.52	5801028.23	307.66	NAIL IN PEG
TDS216	363852.30	5800996.42	303.38	NAIL IN PEG
TDS217	363938.58	5800978.90	300.81	NAIL IN PEG
TDS218	364009.07	5800953.88	298.42	NAIL IN PEG
TDS219	364076.67	5800919.03	294.30	NAIL IN PEG
TDS220	364081.44	5800870.71	288.84	STAR PICKET
TDS221	363696.83	5800876.78	292.05	NAIL IN PEG
TDS222	364083.78	5800804.79	278.13	STAR PICKET

NOTE: ALL CO-ORDINATES SHOWN ARE TO MGA94 ZONE 55

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CAD FILE: 31846_C1
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
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Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

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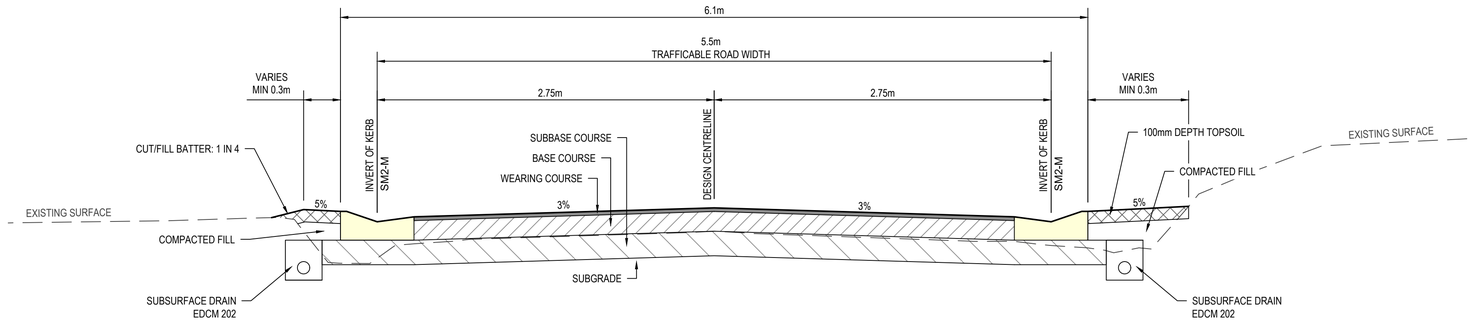
PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
OVERALL PLAN, SHEET INDEX, TBM SETOUT AND NOTES

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 101

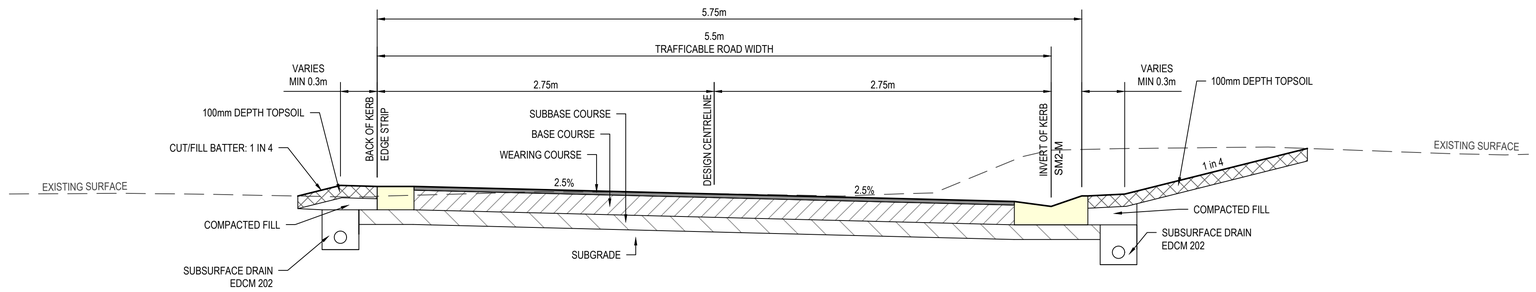
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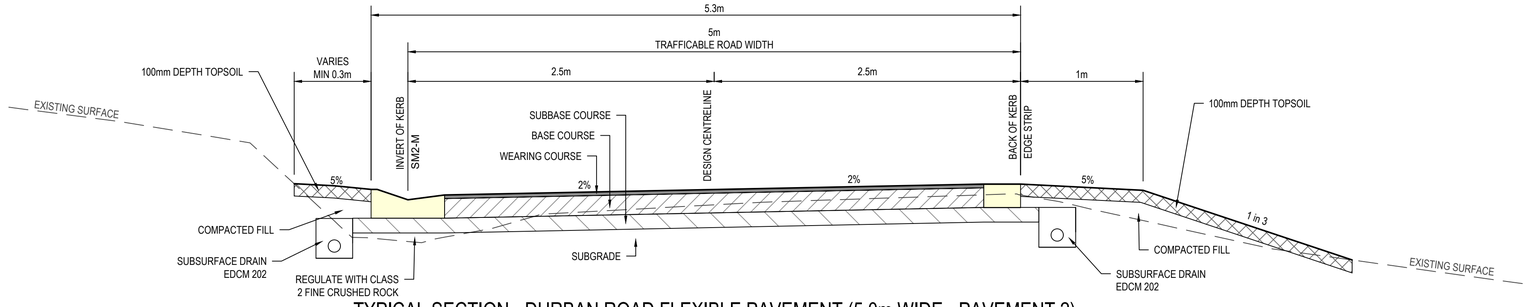
TYPICAL SECTION - OLD GEMBROOK ROAD (5.5m WIDE - PAVEMENT 1)

ALL DIMENSIONS ARE IN METRES (N.T.S.)



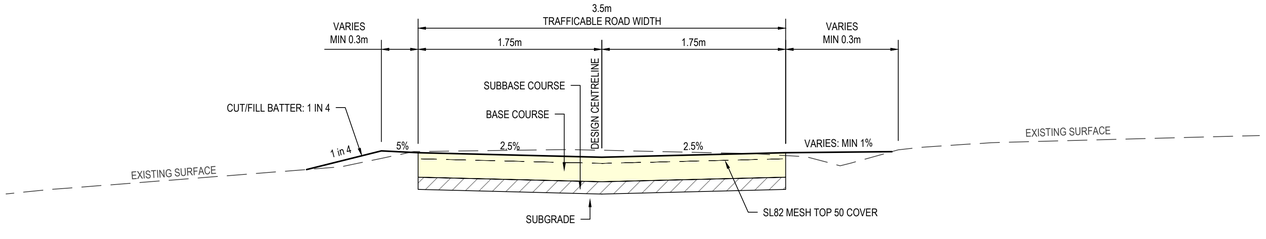
TYPICAL SECTION - SHERRIF ROAD FLEXIBLE PAVEMENT (5.5m WIDE - PAVEMENT 2)

ALL DIMENSIONS ARE IN METRES (N.T.S.)



TYPICAL SECTION - DURBAN ROAD FLEXIBLE PAVEMENT (5.0m WIDE - PAVEMENT 2)

ALL DIMENSIONS ARE IN METRES (N.T.S.)



TYPICAL SECTION - SHERRIF ROAD RIGID PAVEMENT (3m WIDE - PAVEMENT 3)

ALL DIMENSIONS ARE IN METRES (N.T.S.)

PAVEMENT DETAIL TABLE			
	PAVEMENT 1 - OLD GEMBROOK ROAD	PAVEMENT 2 - SHERRIF ROAD & DURBAN ROAD	PAVEMENT 3 - TURNING HEADS AND SHERRIF ROAD (RIGID PAVEMENT)
WEARING COURSE	30mm THICK TYPE N ASPHALT (SIZE 10mm)	30mm THICK TYPE N ASPHALT (SIZE 10mm)	-
	PRIMER SEAL	PRIMER SEAL	-
BASE COURSE	160mm THICK CLASS 2 CRUSHED ROCK (SIZE 20mm)	160mm THICK CLASS 2 CRUSHED ROCK (SIZE 20mm)	200mm THICK N25 CONCRETE WITH SL82 MESH TOP 50 COVER.
SUBBASE COURSE	200mm THICK SUBGRADE/EXISTING MATERIAL STABILISATION (CBR≥15%, SWELL<1.5%)	120mm THICK CLASS 3 CRUSHED ROCK (SIZE 20mm) OR SUITABLY SALVAGED GRAVEL	100mm THICK 20mm CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE MECHANICALLY COMPACTED.
SUBGRADE	EXISTING CLAY SUBGRADE CBR = 6%	EXISTING CLAY SUBGRADE CBR = 5%	EXISTING CLAY SUBGRADE CBR = 5%

PAVEMENT DETAILS:

1. FLEXIBLE PAVEMENTS BASED ON PAVEMENT PROFILES PREPARED BY SITE GEOTECHNICAL PTY LTD. REFER GEOTECHNICAL REPORTS FOR OLD GEMBROOK ROAD (R8531-1, PAVEMENT OPTION 4), SHERRIF ROAD (R8533-1, PAVEMENT OPTION 6) AND DURBAN ROAD (R8532-1, PAVEMENT OPTION 6).
2. RIGID PAVEMENT BASED ON HEAVY DUTY VEHICLE CROSSING STANDARD, EDCM 503.

WARNING
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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD

TYPICAL ROAD CROSS SECTION AND PAVEMENT DETAILS

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 101

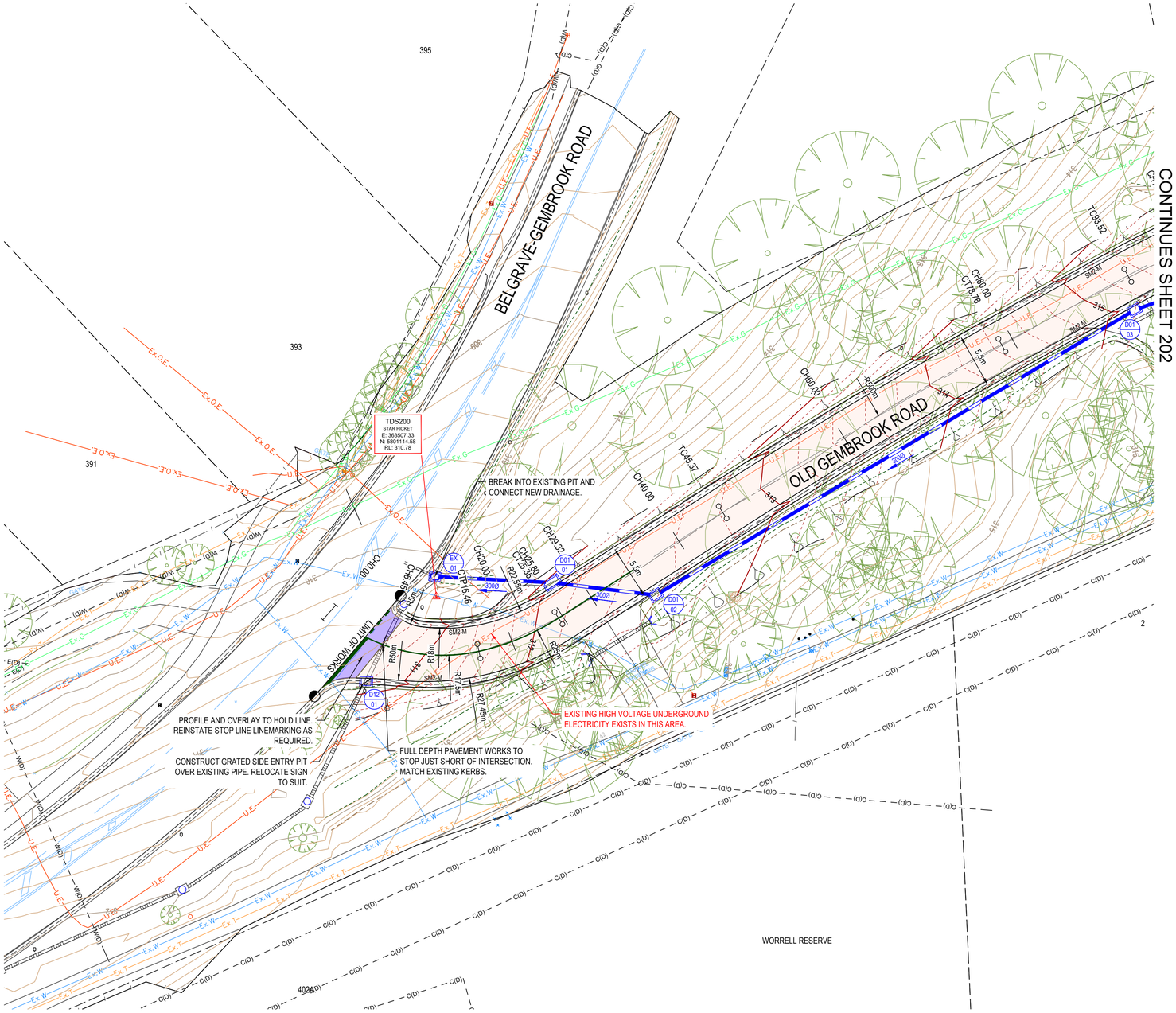
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GENERAL:
1. ROAD WIDTHS INDICATED ON PLANS IS FROM THE INVERT OF KERB (TRAFFICABLE WIDTH).

EXISTING SERVICES:
1. FEATURE SURVEY AND SERVICE LOCATING UNDERTAKEN BY TAYLORS. REFER 23142-D0, VERSION 03, DATED 29/09/2021.
2. ADDITIONAL SERVICE LOCATING (INCLUDING POTHOLING) UNDERTAKEN BY AUE, REV 0, DATED 20/05/2024.
3. WARNING: HIGH VOLTAGE UNDERGROUND ELECTRICITY AND HIGH PRESSURE GAS EXISTS WITHIN THE WORKS SITE. THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITY SERVICES PRIOR TO CARRYING OUT WORKS.
4. CONTRACTOR TO BE AWARE WHEN STABILISING ABOVE EXISTING HIGH VOLTAGE UNDERGOUND CABLES. CONTRACTOR TO LIAISE WITH THE RELEVANT ASSET OWNERS TO OBTAIN ALL REQUIRED APPROVALS PRIOR TO WORKS COMMENCING.

VEGETATION:
1. ARBORIST INVESTIGATION TO BE UNDERTAKEN BY CARDINIA SHIRE COUNCIL.



LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

EXISTING		PROPOSED	
FH Ex.W SV	WATER	PIT	DRAIN - MAIN
	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		

WARNING

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
LAYOUT PLAN

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 201

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CONTINUES SHEET 201

CONTINUES SHEET 203

CONTINUES SHEET 206

TDS201
STAR PICKET
E: 363604.91
N: 5801161.75
RL: 316.92

TDS202
STAR PICKET
E: 363601.44
N: 5801112.04
RL: 318.14

TDS206
NAIL IN PEG
E: 363686.95
N: 5801124.79
RL: 317.75

TDS207
NAIL IN PEG
E: 363761.47
N: 5801107.87
RL: 312.46

INSTALL CREST WARNING SIGN (W5-11)

INSTALL CREST WARNING SIGN (W5-11)

OLD GEMBROOK ROAD

OLD GEMBROOK ROAD

SHERRIF ROAD

CONSTRUCT 2m WIDE PEDESTRIAN REFUGE TO EDCM 403.

CONSTRUCT NEW 2.0m WIDE ASPHALT PATH TO IDM SD 206.

MATCH TO EXISTING FOOTPATH

MATCH TO EXISTING FOOTPATH

CONSTRUCT 2m WIDE PEDESTRIAN REFUGE TO EDCM 403.

LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

EXISTING		PROPOSED	
FH Ex.W SV	WATER	PIT	DRAIN - MAIN
	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
TP Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		

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03	26-06-24	TENDER ISSUE
02	02-04-24	REVISED ALIGNMENT - COUNCIL COMMENTS
01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C2
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
LAYOUT PLAN

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 202

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CONTINUES SHEET 202

CONTINUES SHEET 204

OLD GEMBROOK ROAD

DURBAN ROAD

CONSTRUCT 2m WIDE PEDESTRIAN REFUGE TO EDCM 403.

TDS207
NAIL IN PEG
E: 363761.47
N: 5801107.87
RL: 312.46

TDS208
STAR PICKET
E: 363800.91
N: 5801097.47
RL: 309.39

TDS209
NAIL IN PEG
E: 363841.20
N: 5801089.04
RL: 307.38

CONTINUES SHEET 207

LEGEND

EXISTING	PROPOSED
WATER	DRAIN - MAIN
DRAINAGE	KERB
SEWER	BATTER EXTENTS
ELECTRICITY UNDER GROUND	PAVEMENT 1 (STABILISATION)
ELECTRICITY OVERHEAD	PAVEMENT 2 (FULL DEPTH)
TELSTRA	PAVEMENT 3 (RIGID CONCRETE)
GAS	ASPHALT OVERLAY
KERB	PRAM CROSSING
FENCE	ASPHALT FOOTPATH
BANK TOE	LINEMARKING
BANK TOP	CONTOUR MAJOR (1.0m)
CONTOUR MAJOR (1.0m)	CONTOUR MINOR (0.2m)
CONTOUR MINOR (0.2m)	BORESHAFT LOCATION
TREE	

LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

GENERAL:
1. ROAD WIDTHS INDICATED ON PLANS IS FROM THE INVERT OF KERB (TRAFFICABLE WIDTH).

EXISTING SERVICES:
1. FEATURE SURVEY AND SERVICE LOCATING UNDERTAKEN BY TAYLORS. REFER 23142-D0, VERSION 03, DATED 29/09/2021.
2. ADDITIONAL SERVICE LOCATING (INCLUDING POTHOLING) UNDERTAKEN BY AUE, REV 0, DATED 20/05/2024.
3. WARNING: HIGH VOLTAGE UNDERGROUND ELECTRICITY AND HIGH PRESSURE GAS EXISTS WITHIN THE WORKS SITE. THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITY SERVICES PRIOR TO CARRYING OUT WORKS.
4. CONTRACTOR TO BE AWARE WHEN STABILISING ABOVE EXISTING HIGH VOLTAGE UNDERGOUND CABLES. CONTRACTOR TO LIAISE WITH THE RELEVANT ASSET OWNERS TO OBTAIN ALL REQUIRED APPROVALS PRIOR TO WORKS COMMENCING.

VEGETATION:
1. ARBORIST INVESTIGATION TO BE UNDERTAKEN BY CARDINIA SHIRE COUNCIL.

WARNING

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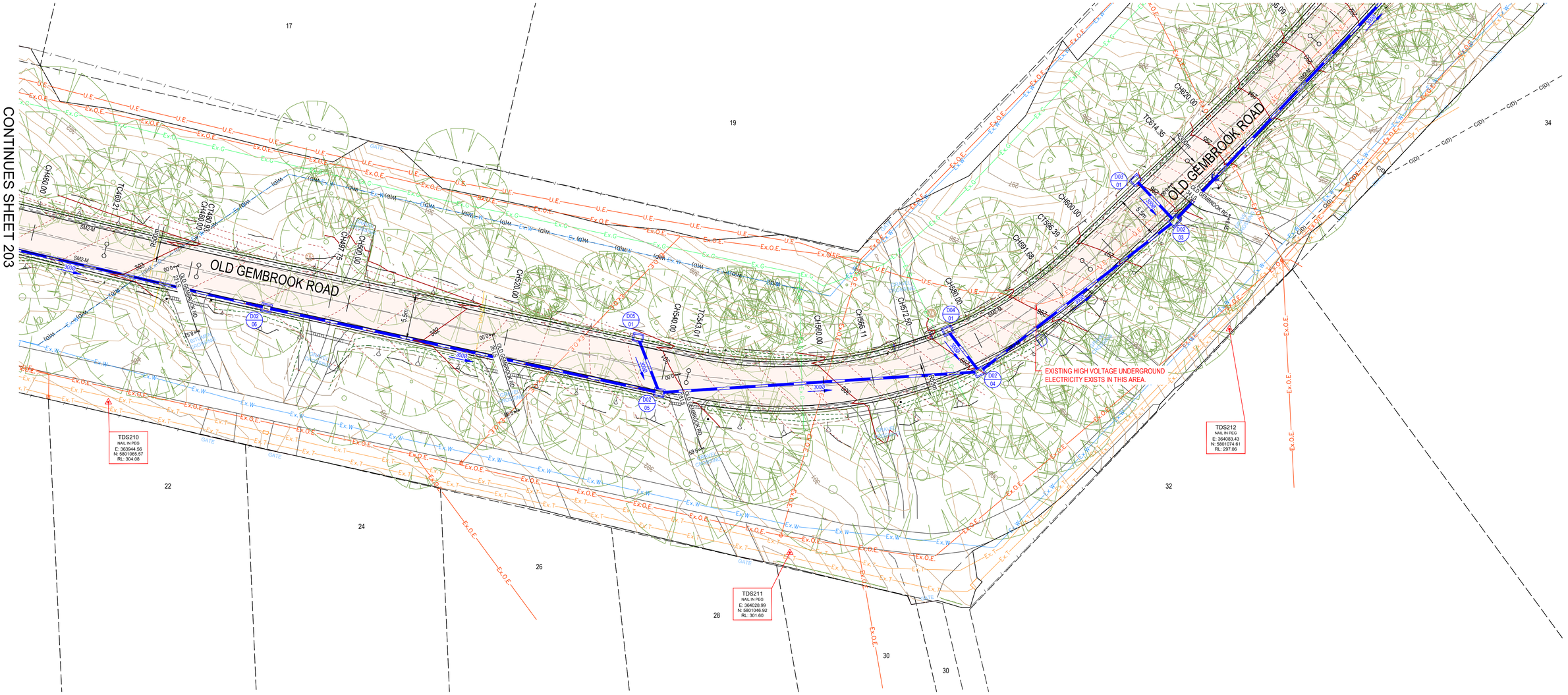
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DWG No. 31846
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CONTINUES SHEET 205

CONTINUES SHEET 203



LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

EXISTING		PROPOSED	
FH Ex.W SV	WATER	PIT	DRAIN - MAIN
	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		

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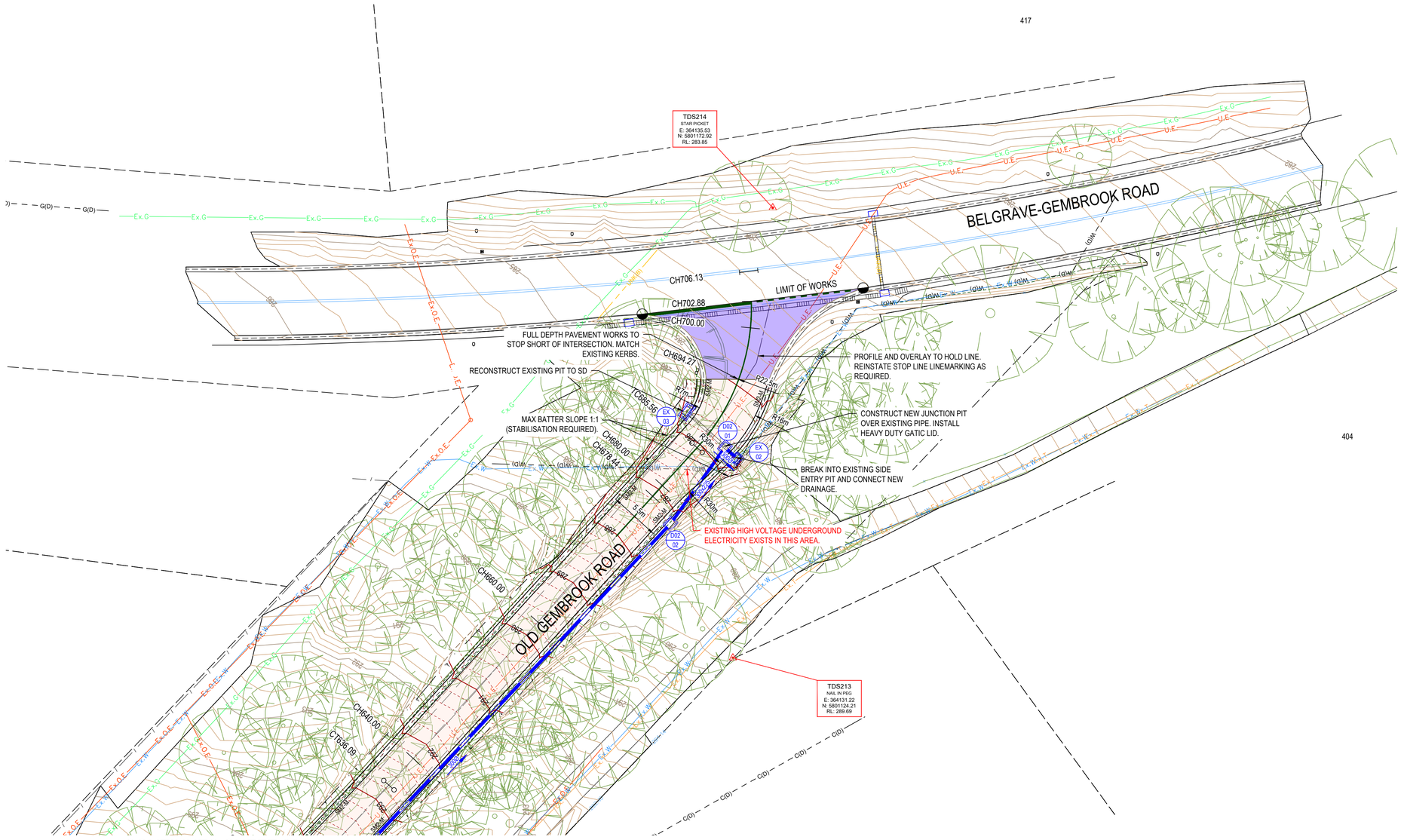
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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
LAYOUT PLAN

SHEET SIZE A1
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LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

EXISTING	PROPOSED
WATER	DRAIN - MAIN
DRAINAGE	KERB
SEWER	BATTER EXTENTS
ELECTRICITY UNDER GROUND	PAVEMENT 1 (STABILISATION)
ELECTRICITY OVERHEAD	PAVEMENT 2 (FULL DEPTH)
TELSTRA	PAVEMENT 3 (RIGID CONCRETE)
GAS	ASPHALT OVERLAY
KERB	PRAM CROSSING
FENCE	ASPHALT FOOTPATH
BANK TOE	LINEMARKING
BANK TOP	CONTOUR MAJOR (1.0m)
CONTOUR MAJOR (1.0m)	CONTOUR MINOR (0.2m)
CONTOUR MINOR (0.2m)	BORESHAFT LOCATION
TREE	

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
LAYOUT PLAN

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 205

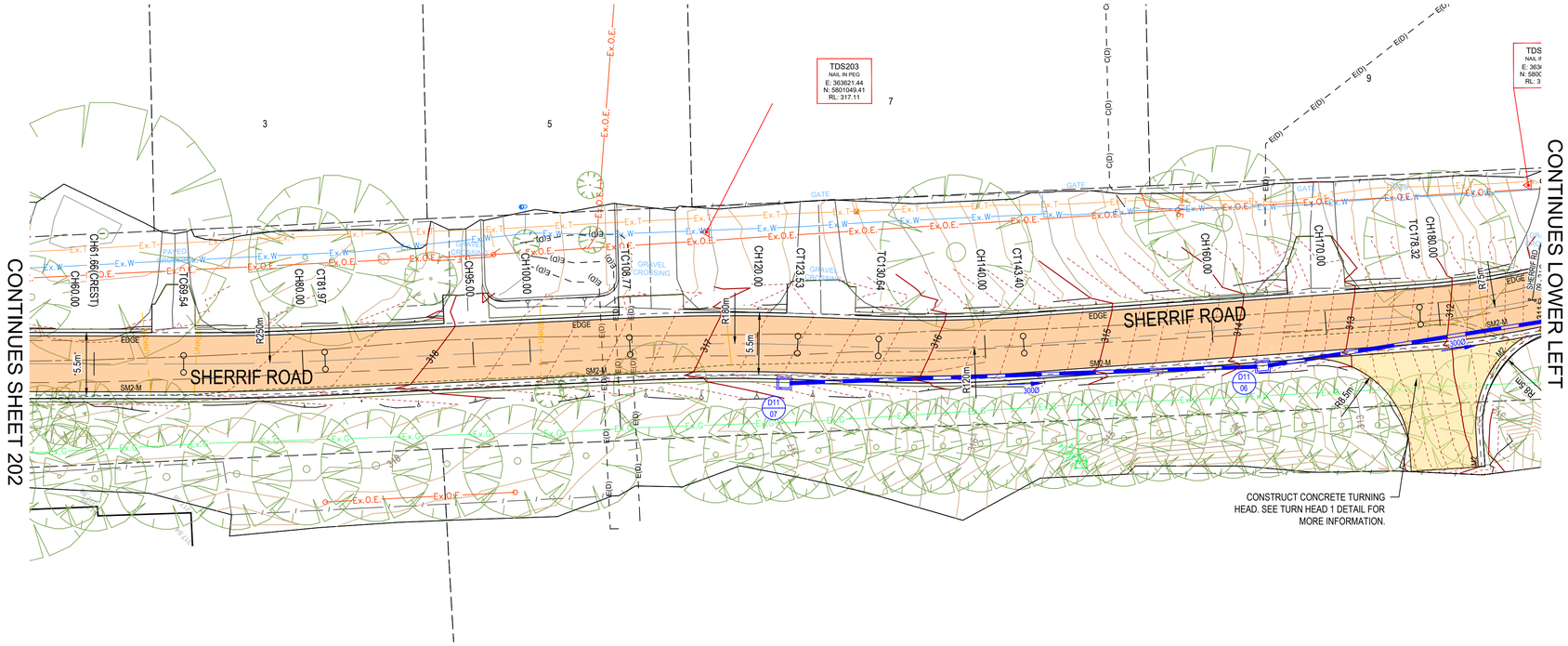
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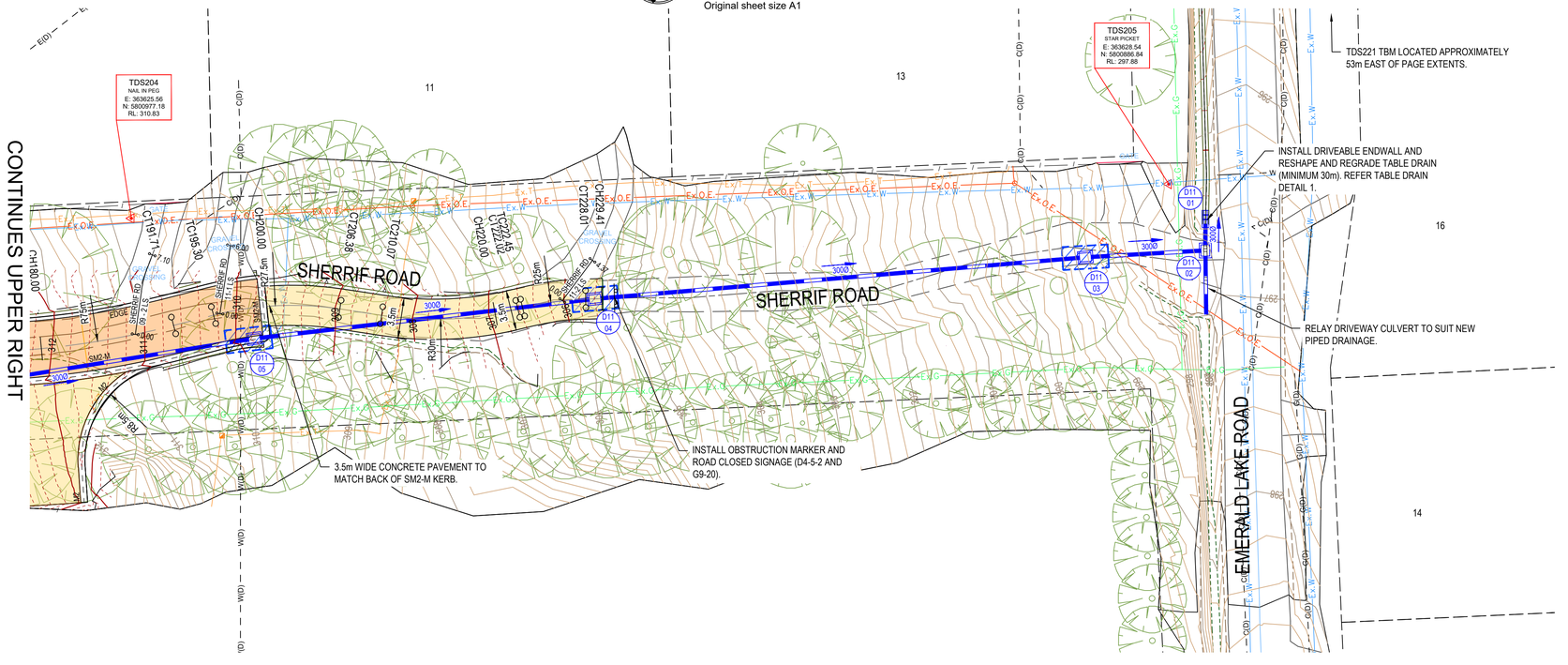
VEGETATION:
1. ARBORIST INVESTIGATION TO BE UNDERTAKEN BY CARDINIA SHIRE COUNCIL.



LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1



LEGEND

EXISTING	PROPOSED
WATER	DRAIN - MAIN
DRAINAGE	KERB
SEWER	BATTER EXTENTS
ELECTRICITY UNDER GROUND	PAVEMENT 1 (STABILISATION)
ELECTRICITY OVERHEAD	PAVEMENT 2 (FULL DEPTH)
TELSTRA	PAVEMENT 3 (RIGID CONCRETE)
GAS	ASPHALT OVERLAY
KERB	PRAM CROSSING
FENCE	ASPHALT FOOTPATH
BANK TOE	LINEMARKING
BANK TOP	CONTOUR MAJOR (1.0m)
CONTOUR MAJOR (1.0m)	CONTOUR MINOR (0.2m)
CONTOUR MINOR (0.2m)	BORESHAFT LOCATION
TREE	

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
LAYOUT PLAN

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 206

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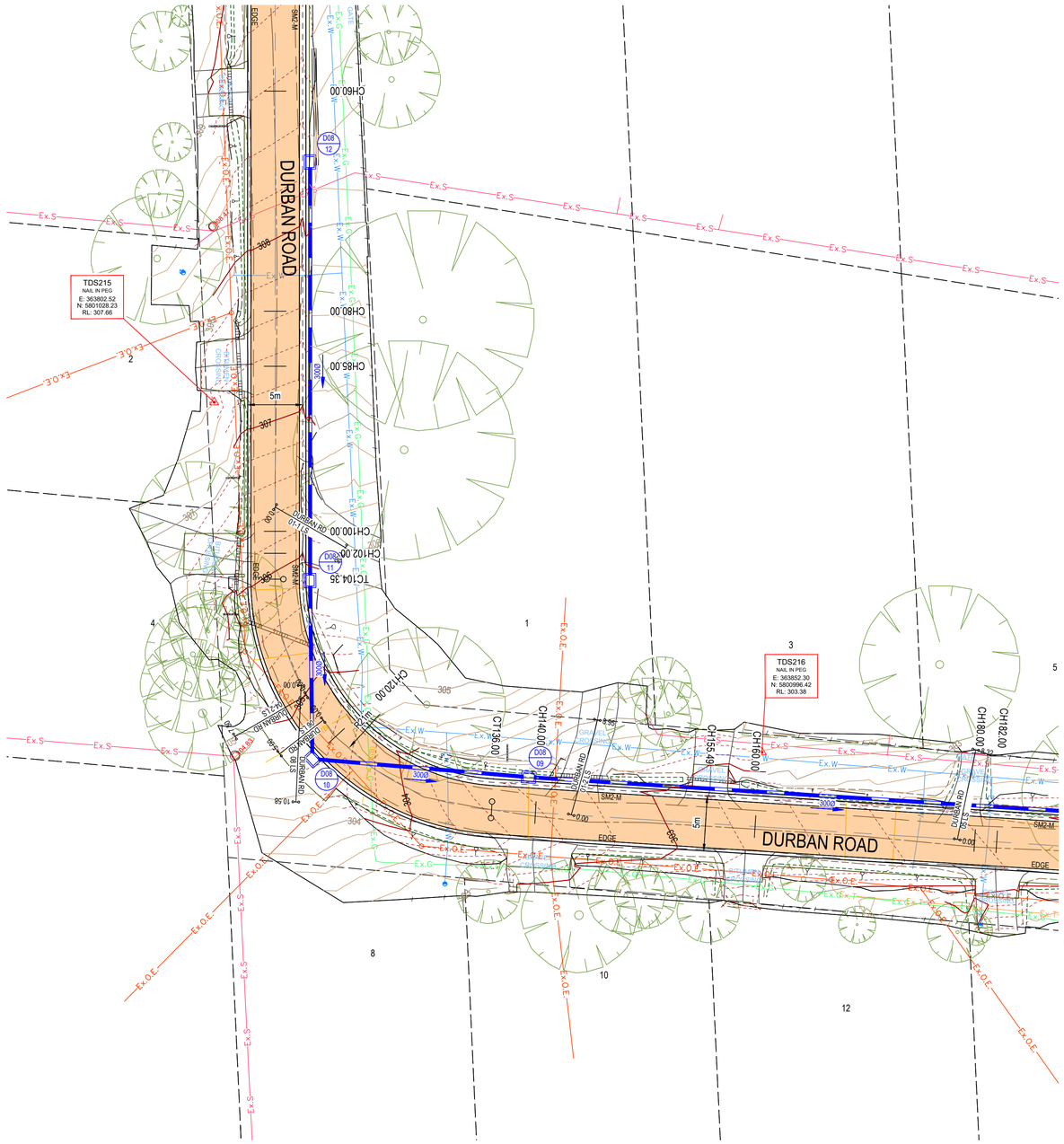
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VEGETATION:
1. ARBORIST INVESTIGATION TO BE UNDERTAKEN BY CARDINIA SHIRE COUNCIL.

CONTINUES SHEET 203



CONTINUES SHEET 208

LEGEND

EXISTING

- WATER
- DRAINAGE
- SEWER
- ELECTRICITY UNDER GROUND
- ELECTRICITY OVERHEAD
- TELSTRA
- GAS
- KERB
- FENCE
- BANK TOE
- BANK TOP
- CONTOUR MAJOR (1.0m)
- CONTOUR MINOR (0.2m)
- TREE

PROPOSED

- DRAIN - MAIN
- KERB
- BATTER EXTENTS
- PAVEMENT 1 (STABILISATION)
- PAVEMENT 2 (FULL DEPTH)
- PAVEMENT 3 (RIGID CONCRETE)
- ASPHALT OVERLAY
- PRAM CROSSING
- ASPHALT FOOTPATH
- LINEMARKING
- CONTOUR MAJOR (1.0m)
- CONTOUR MINOR (0.2m)
- BOREHAFT LOCATION

LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

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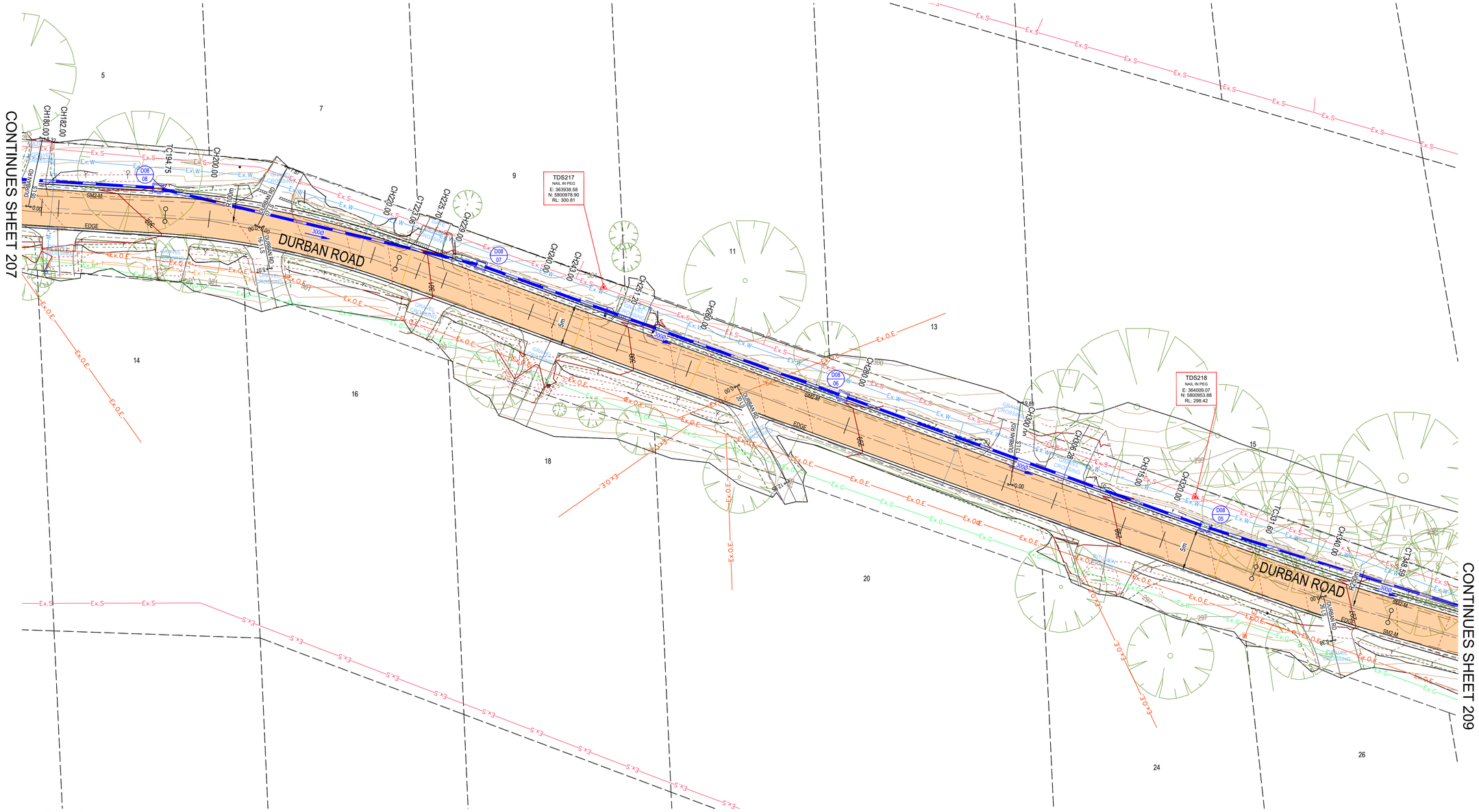
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SHEET SIZE A1
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LEGEND

EXISTING		PROPOSED	
FH Ex.W SV	WATER	PIT	DRAIN - MAIN
	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
TP Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		

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SHEET No. 208

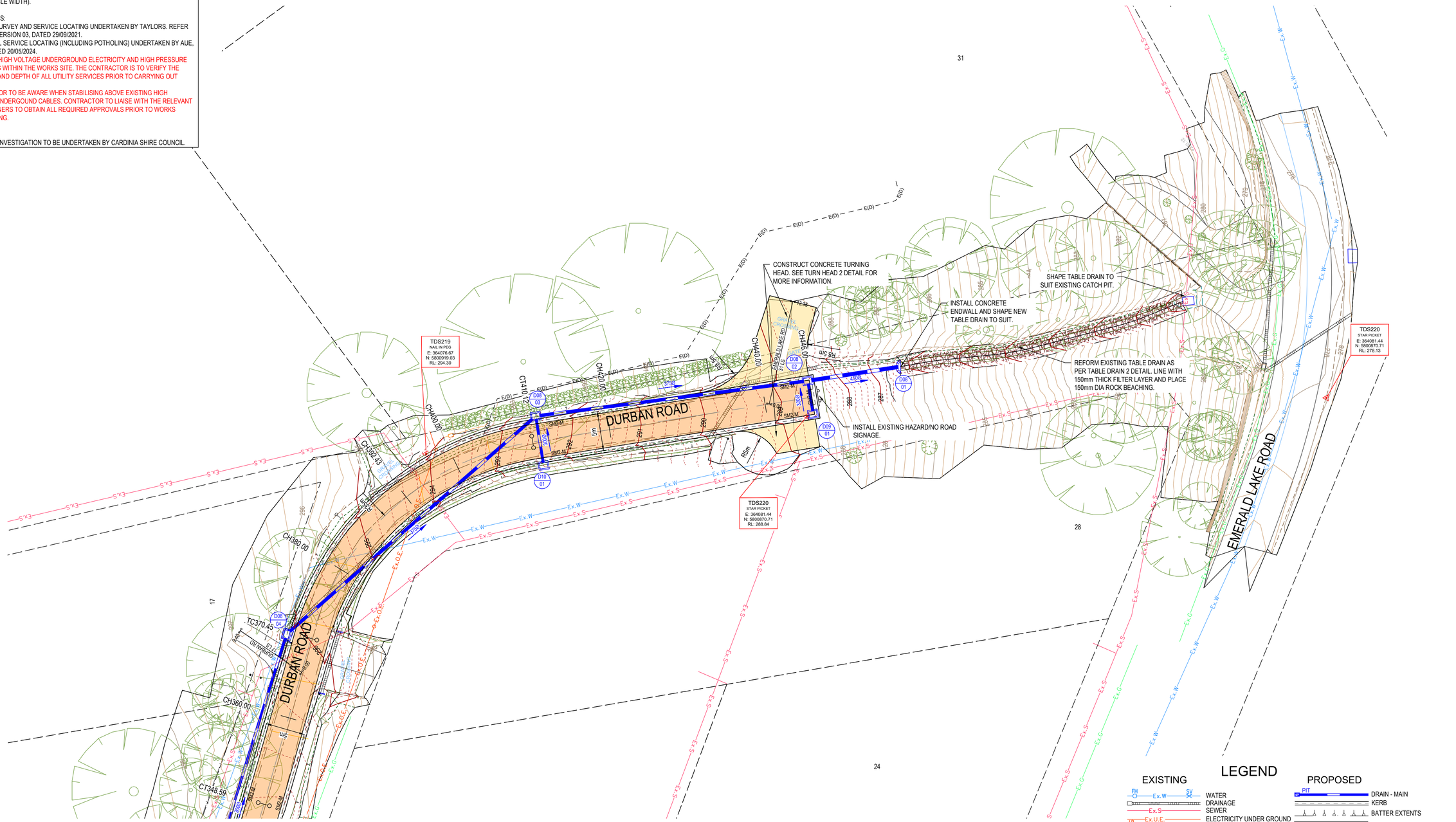
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GENERAL:
1. ROAD WIDTHS INDICATED ON PLANS IS FROM THE INVERT OF KERB (TRAFFICABLE WIDTH).

EXISTING SERVICES:
1. FEATURE SURVEY AND SERVICE LOCATING UNDERTAKEN BY TAYLORS. REFER 23142-D0, VERSION 03, DATED 29/09/2021.
2. ADDITIONAL SERVICE LOCATING (INCLUDING POTHOLING) UNDERTAKEN BY AUE, REV 0, DATED 20/05/2024.
3. WARNING: HIGH VOLTAGE UNDERGROUND ELECTRICITY AND HIGH PRESSURE GAS EXISTS WITHIN THE WORKS SITE. THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITY SERVICES PRIOR TO CARRYING OUT WORKS.
4. CONTRACTOR TO BE AWARE WHEN STABILISING ABOVE EXISTING HIGH VOLTAGE UNDERGOUND CABLES. CONTRACTOR TO LIAISE WITH THE RELEVANT ASSET OWNERS TO OBTAIN ALL REQUIRED APPROVALS PRIOR TO WORKS COMMENCING.

VEGETATION:
1. ARBORIST INVESTIGATION TO BE UNDERTAKEN BY CARDINIA SHIRE COUNCIL.



LAYOUT PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

EXISTING		PROPOSED	
PH Ex.W SV	WATER	PIT	DRAIN - MAIN
	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
JP Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m) CONTOUR MINOR (0.2m)
	CONTOUR MAJOR (1.0m) CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		

WARNING
BEWARE - UNDERGROUND SERVICES
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VER.	DATE	AMENDMENT
03	26-06-24	TENDER ISSUE
02	02-04-24	REVISED ALIGNMENT - COUNCIL COMMENTS
01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C2
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au
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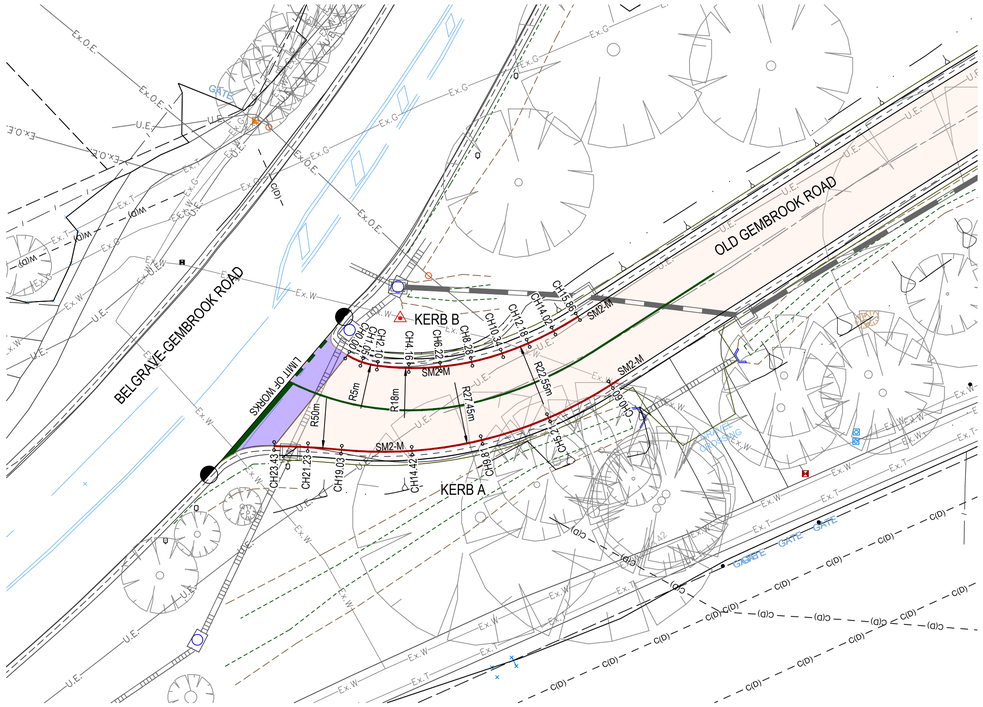
PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
LAYOUT PLAN

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 209

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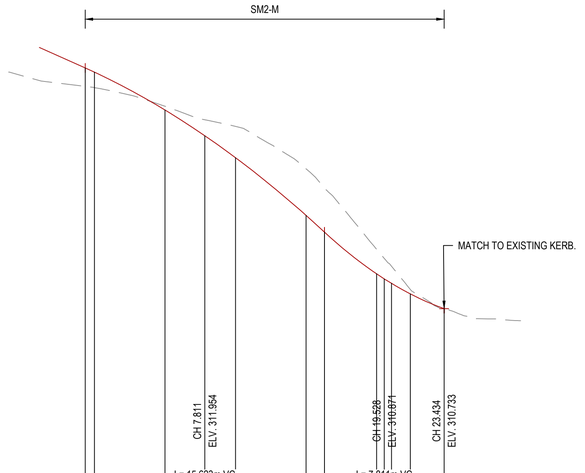
INTERSECTION DETAIL - BELGRAVE-GEMBROOK ROAD AND OLD GEMBROOK ROAD (WEST)

4 2 0 4 8 1:200

Original sheet size A1

LEGEND

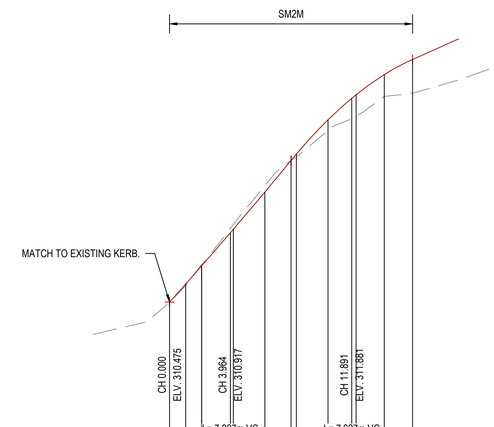
EXISTING		PROPOSED	
FH Ex.W SV	WATER	PIT	DRAIN - MAIN
Ex.W	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		



DATUM 309

DESIGN CENTRELINE	312.30	312.28	312.03	311.86	311.72	311.34	311.23	310.96	310.93	310.83	310.73
EXISTING SURFACE	312.18	312.18	312.05	311.97	311.92	311.65	311.52	311.12	311.06	310.86	310.73
DEPTH	0.120	0.101	-0.024	-0.104	-0.204	-0.304	-0.288	-0.160	-0.133	-0.028	0.000
EASTING	363521.578	363521.075	363517.011	363514.571	363512.644	363508.097	363506.895	363503.496	363502.586	363501.299	363499.096
NORTHING	5801110.552	5801110.227	5801108.668	5801107.157	5801106.617	5801105.917	5801105.861	5801105.986	5801106.033	5801106.155	5801106.228
CHAINAGE	0.00	0.60	5.21	7.81	9.81	14.42	15.62	19.03	19.53	21.23	23.43

KERB A - LIP LONGITUDINAL SECTIONS



DATUM 309

DESIGN CENTRELINE	310.47	310.59	310.71	310.71	310.93	310.95	311.19	311.40	311.44	311.66	311.80	311.83	311.96	312.06
EXISTING SURFACE	310.47	310.58	310.72	310.72	310.96	310.98	311.24	311.40	311.42	311.60	311.67	311.69	311.82	311.84
DEPTH	-0.000	0.011	-0.007	-0.007	-0.029	-0.031	-0.042	0.000	0.019	0.066	0.131	0.139	0.143	0.218
EASTING	363503.876	363504.818	363505.832	363506.941	363507.7	363507.894	363509.951	363511.942	363511.965	363513.97	363515.421	363515.884	363517.34	363518.924
NORTHING	5801112.161	5801111.714	5801111.472	5801111.271	5801111.325	5801111.321	5801111.406	5801111.556	5801111.575	5801112.277	5801112.827	5801112.999	5801113.739	5801114.671
CHAINAGE	0.00	1.04	2.09	2.10	3.96	4.16	6.22	7.82	8.26	10.34	11.89	12.18	14.02	15.86

KERB B - LIP LONGITUDINAL SECTIONS

4 2 0 4 8 Hor 1:200

0.4 0.2 0 0.4 0.8 Ver 1:20

Original sheet size A1

WARNING

BEWARE - UNDERGROUND SERVICES

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VER.	DATE	AMENDMENT
00	26-06-24	TENDER ISSUE

CAD FILE: 31846_C3
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

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Surveying - Engineering - Town Planning
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Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17

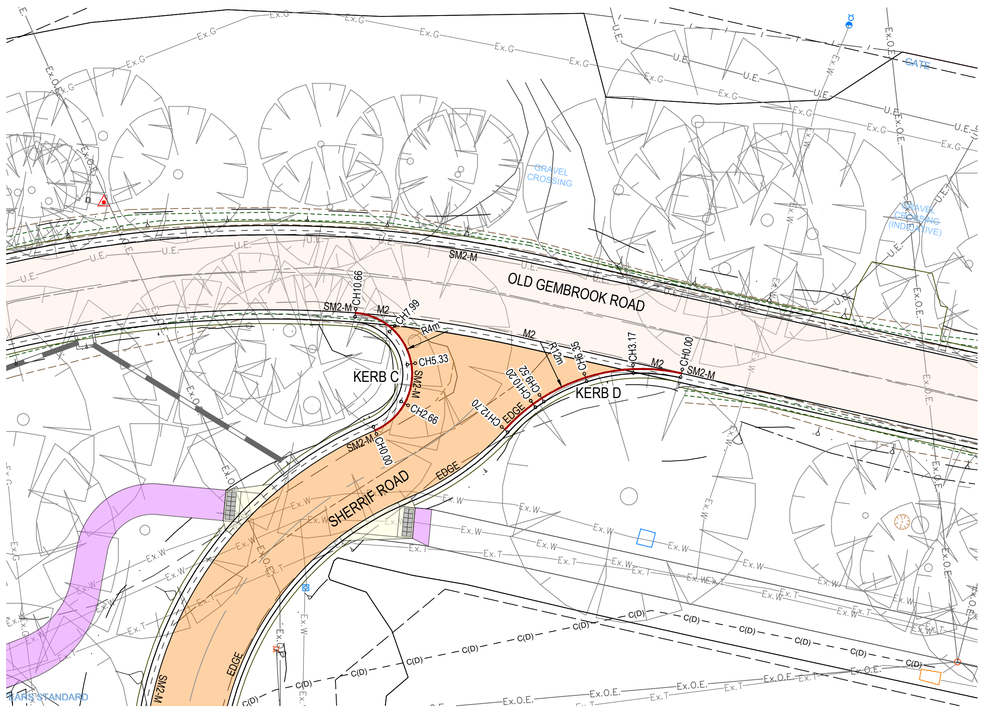
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD

INTERSECTION DETAIL - BELGRAVE-GEMBROOK ROAD AND OLD GEMBROOK ROAD (WEST)

SHEET SIZE A1
VERSION 00
DWG No. 31846
SHEET No. 301

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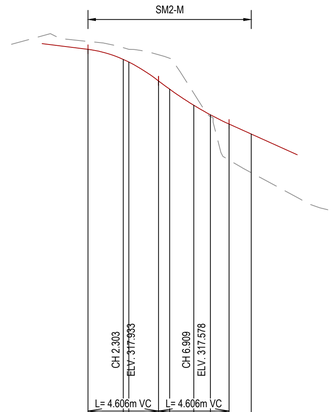


INTERSECTION DETAIL - OLD GEMBROOK ROAD AND SHERRIF ROAD

N

4 2 0 4 8 1:200

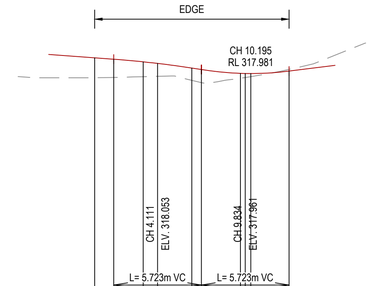
Original sheet size A1



DATUM 315

DESIGN CENTRELINE	317.96	317.90	317.88	317.76	317.70	317.60	317.53	317.47	317.41
EXISTING SURFACE	318.01	317.97	317.96	317.83	317.80	317.67	317.52	317.24	317.16
DEPTH	-0.052	-0.078	-0.084	-0.172	-0.202	-0.079	0.011	0.236	0.252
EASTING	363622.609	363624.359	363624.547	363625.009	363624.985	363624.429	363623.736	363622.726	363621.334
NORTHING	5801146.872	5801148.32	5801148.63	5801150.488	5801151.208	5801152.676	5801153.506	5801154.179	5801154.541
CHAINAGE	0.00	2.30 2.67		4.61 5.33		6.91	7.99	9.21	10.66

KERB C - LIP LONGITUDINAL SECTIONS



DATUM 316

DESIGN CENTRELINE	318.08	318.07	318.06	318.05	318.02	318.01	317.98	317.98	318.00
EXISTING SURFACE	317.95	317.96	317.96	317.96	317.94	317.92	317.95	317.95	318.01
DEPTH	0.130	0.119	0.097	0.085	0.081	0.085	0.032	0.027	0.021	-0.011
EASTING	363642.625	363641.393	363639.473	363638.539	363636.357	363635.767	363633.494	363633.235	363632.94	363631.085
NORTHING	5801150.595	5801150.805	5801150.874	5801150.797	5801150.319	5801150.114	5801148.969	5801148.797	5801148.589	5801146.918
CHAINAGE	0.00	1.25	3.17 4.11		6.35 6.97		9.52 9.83 10.19			12.70

KERB D - LIP LONGITUDINAL SECTIONS

4 2 0 4 8 Hor 1:200

0.4 0.2 0 0.4 0.8 Ver 1:20

Original sheet size A1

LEGEND

EXISTING	PROPOSED
WATER	DRAIN - MAIN
DRAINAGE	KERB
SEWER	BATTER EXTENTS
ELECTRICITY UNDER GROUND	PAVEMENT 1 (STABILISATION)
ELECTRICITY OVERHEAD	PAVEMENT 2 (FULL DEPTH)
TELSTRA	PAVEMENT 3 (RIGID CONCRETE)
GAS	ASPHALT OVERLAY
KERB	PRAM CROSSING
FENCE	ASPHALT FOOTPATH
BANK TOE	LINEMARKING
BANK TOP	CONTOUR MAJOR (1.0m)
CONTOUR MAJOR (1.0m)	CONTOUR MINOR (0.2m)
CONTOUR MINOR (0.2m)	BORESHAFT LOCATION
TREE	

WARNING

BEWARE - UNDERGROUND SERVICES

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VER.	DATE	AMENDMENT
00	26-06-24	TENDER ISSUE

CAD FILE: 31846_C3
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

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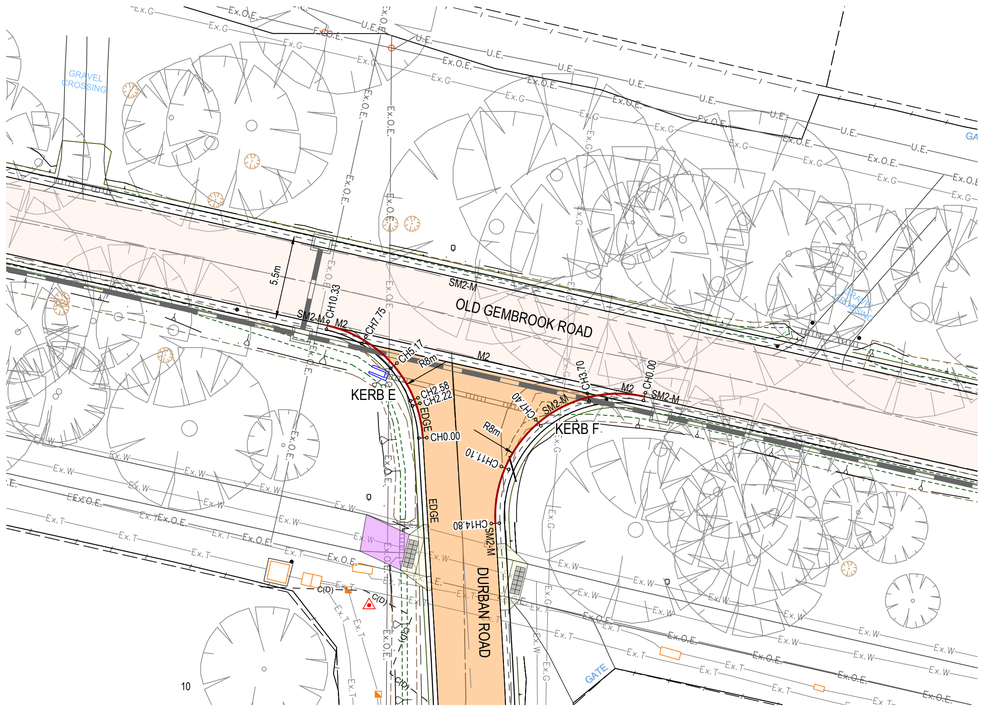
PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
INTERSECTION DETAIL - OLD GEMBROOK ROAD AND SHERRIF ROAD

SHEET SIZE A1
VERSION 00
DWG No. 31846
SHEET No. 302

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INTERSECTION DETAIL - OLD GEMBROOK ROAD AND DURBAN ROAD

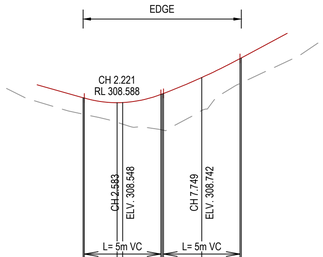
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Original sheet size A1

LEGEND

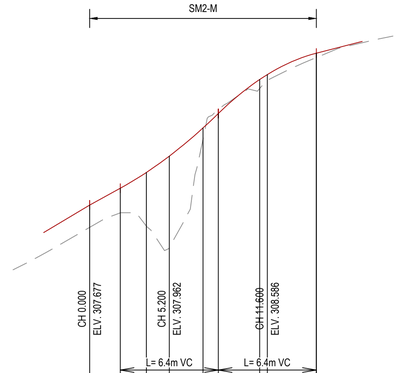
EXISTING		PROPOSED	
FH SV Ex.W	WATER	PIT	DRAIN - MAIN
Ex.D	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
TP Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		



DATUM 307

DESIGN CENTRELINE	308.62	308.62	308.59	308.59	308.64	308.64	308.75	308.88	308.88														
EXISTING SURFACE	308.51	308.51	308.46	308.45	308.41	308.41	308.54	308.71	308.72														
DEPTH	0.107	0.106	0.128	0.140	0.230	0.235	0.214	0.162	0.163														
EASTING	363804.412	363804.475	363803.986	363803.899	363802.583	363802.733	363802.475	363798.265	363798.184														
NORTHING	5801109.393	5801109.473	5801110.561	5801110.899	5801113.038	5801113.101	5801113.164	5801115.708	5801115.726														
CHAINAGE	0.00	0.00	2.22	2.58	5.08	5.17	5.25	7.75	10.25	10.33													

KERB E - LIP LONGITUDINAL SECTIONS



DATUM 306

DESIGN CENTRELINE	307.68	307.79	307.89	308.00	308.18	308.27	308.50	308.53	308.67	308.67													
EXISTING SURFACE	307.53	307.63	307.55	307.40	308.09	308.30	308.44	308.49	308.64	308.64													
DEPTH	0.146	0.160	0.342	0.598	0.091	-0.022	0.058	0.038	0.028	0.028													
EASTING	363818.892	363816.906	363815.225	363813.811	363811.961	363811.242	363809.786	363809.604	363809.156	363809.156													
NORTHING	5801111.085	5801111.275	5801111.045	5801110.552	5801109.374	5801108.68	5801106.422	5801105.956	5801102.81	5801102.809													
CHAINAGE	0.00	2.00	3.70	5.20	7.40	8.40	11.10	11.60	14.80	14.80													

KERB F - LIP LONGITUDINAL SECTIONS

4 2 0 4 8 Hor 1:200

0.4 0.2 0 0.4 0.8 Ver 1:20

Original sheet size A1

WARNING

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VER.	DATE	AMENDMENT
00	26-06-24	TENDER ISSUE

CAD FILE: 31846_C3
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

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PLAN STATUS: TENDER ISSUE

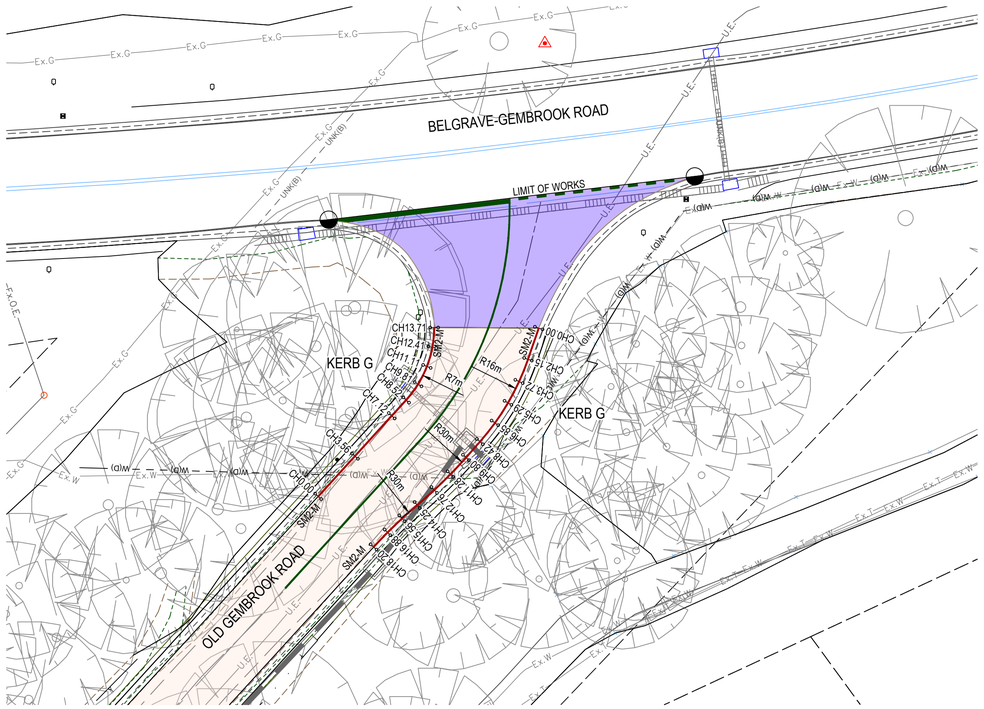
SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD

INTERSECTION DETAIL - OLD GEMBROOK ROAD AND DURBAN ROAD

SHEET SIZE A1
VERSION 00
DWG No. 31846
SHEET No. 303

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INTERSECTION DETAIL - BELGRAVE-GEMBROOK ROAD AND OLD GEMBROOK ROAD (EAST)

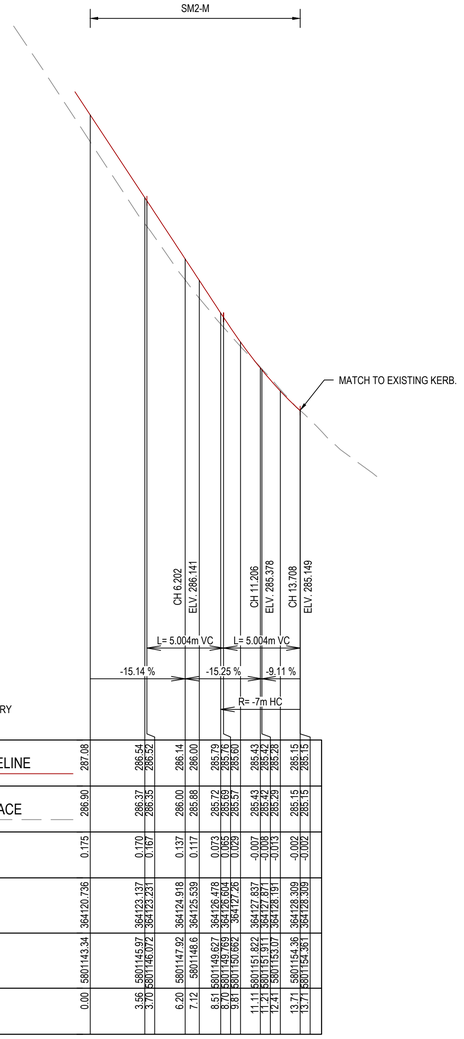
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4 2 0 4 8 1:200

Original sheet size A1

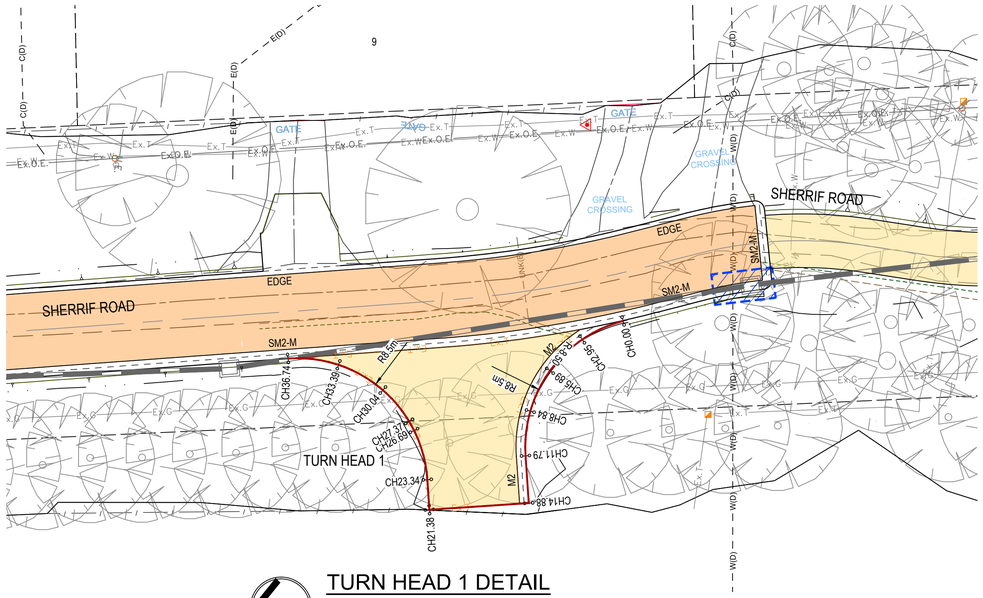
LEGEND

EXISTING		PROPOSED	
FH Ex.W SV	WATER	PIT	DRAIN - MAIN
	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
TP Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m) CONTOUR MINOR (0.2m)
	CONTOUR MAJOR (1.0m) CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		



DATUM 283

| | | |



TURN HEAD 1 DETAIL

4 2 0 4 8 1:200

Original sheet size A1

LEGEND

EXISTING		PROPOSED	
FH SV Ex.W	WATER	PIT	DRAIN - MAIN
Ex.W	DRAINAGE		KERB
Ex.S	SEWER		BATTER EXTENTS
TP Ex.U.E.	ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)
Ex.O.E.	ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)
Ex.T	TELSTRA		PAVEMENT 3 (RIGID CONCRETE)
Ex.G	GAS		ASPHALT OVERLAY
	KERB		PRAM CROSSING
	FENCE		ASPHALT FOOTPATH
	BANK TOE		LINEMARKING
	BANK TOP		CONTOUR MAJOR (1.0m)
	CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)
	CONTOUR MINOR (0.2m)		BORESHAFT LOCATION
	TREE		

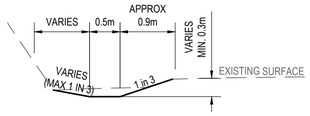


TABLE DRAIN 1 TYPICAL SECTION

NOT TO SCALE

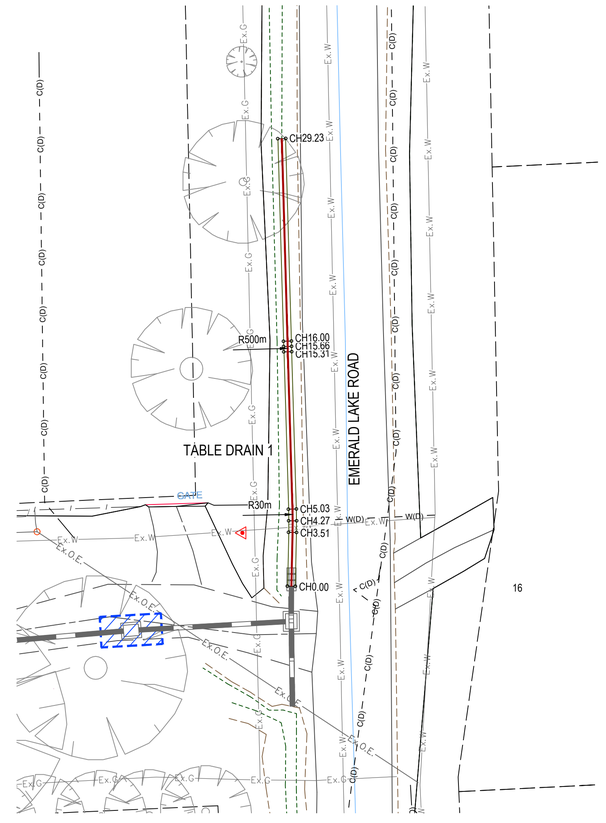


TABLE DRAIN 1 DETAIL

4 2 0 4 8 1:200

Original sheet size A1

DESIGN GRADING														
HORIZONTAL GEOMETRY														
DATUM 307														
DESIGN CENTRELINE	310.92		311.22	311.53	311.78	311.85	311.93		312.68	312.88	312.83	312.77	312.75	312.81	313.03	313.08	313.42
EXISTING SURFACE			311.22	311.55	311.94	312.40	311.83		312.66	312.90	312.90	312.66	312.61	312.60	312.73	312.91	312.94	313.25
DEPTH			0.009	-0.023	-0.158	-0.549	0.101		0.023	-0.015	-0.065	0.105	0.139	0.145	0.086	0.127	0.131	0.172
EASTING	363612.75		363611.543	363609.5	363606.863	363603.948	363600.864		363600.521	363600.429	363602.39	363604.964	363605.603	363606.196	363608.236	363609.751	363609.886	363610.299
NORTHING	5800974.828		5800977.5	5800979.603	5800980.886	5800981.197	5800980.991		5800986.101	5800987.476	5800987.608	5800988.191	5800988.376	5800988.801	5800990.512	5800993.026	5800993.403	5800996.705
CHAINAGE	0.00		2.95	5.89	8.84	11.79	14.88		20.00	21.38	23.34	25.99	26.63	27.37	30.04	32.99	33.39	36.74

TURN HEAD 1 - EDGE OF CONCRETE LONGITUDINAL SECTION

H: 250 V: 50 @ A1

DESIGN GRADING														
HORIZONTAL GEOMETRY														
DATUM 291														
DESIGN CENTRELINE	296.26		296.26	296.16	296.10	296.08			295.78	295.72	295.37	295.34	295.32	295.09			294.55	294.55
EXISTING SURFACE	296.48		296.49	296.39	296.27	296.23			295.80	295.72	295.37	295.34	295.32	295.09			294.55	294.55
DEPTH	-0.225		-0.229	-0.223	-0.173	-0.153			-0.020	-0.004	0.000	0.000	0.000	0.000			0.000	0.000
EASTING	363625.057		363625.707	363623.567	363621.376	363620.089			363616.233	363616.232	363640.361	363640.708	363641.054	363845.05			363654.273	363654.274
NORTHING	5800863.638		5800863.624	5800863.564	5800863.426	5800863.371			5800863.723	5800863.753	5800883.875	5800883.885	5800883.895	5800884.008			5800884.269	5800884.269
CHAINAGE	0.00		0.65	3.51	4.27	5.03			10.18	11.18	15.31	15.66	16.00	20.00			29.23	29.23

TABLE DRAIN 1 - INVERT LONGITUDINAL SECTION

H: 250 V: 50 @ A1

WARNING

BEWARE - UNDERGROUND SERVICES

THE LOCATIONS OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT DEPTH AND LOCATION SHOULD BE VERIFIED AND PROVEN ON SITE BY THE APPROPRIATE SERVICE PROVIDERS PRIOR TO ANY SITE EXCAVATION. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. CONTRACTOR TO TAKE PRECAUTIONS TO AVOID CONFLICTS

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VER.	DATE	AMENDMENT
00	26-06-24	TENDER ISSUE

CAD FILE: 31846_C3
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

Quality Management System ISO 9001 trust-mark.com®

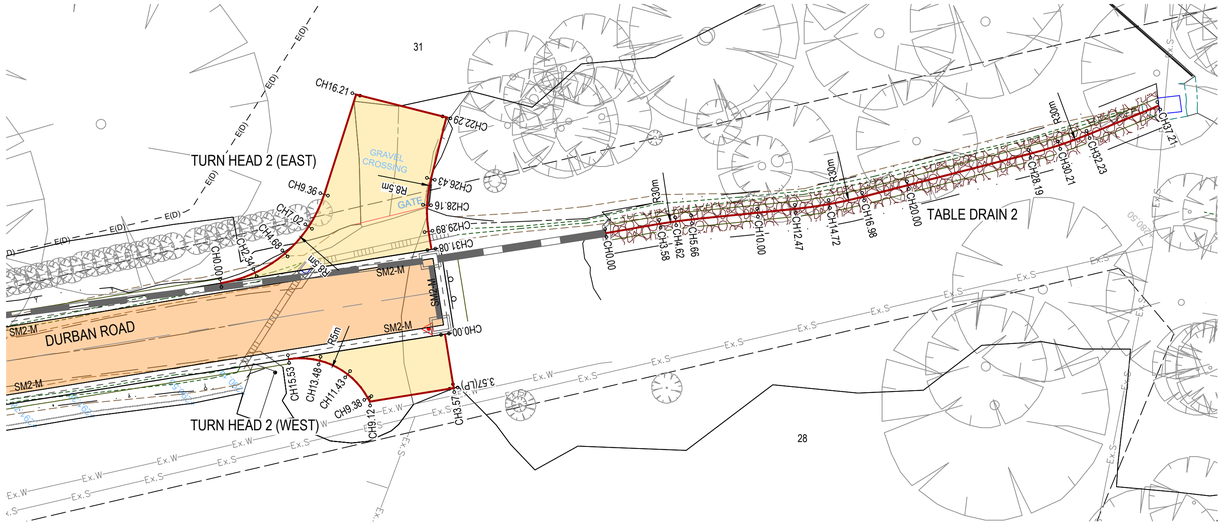
PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
TURN HEAD 1 AND TABLE DRAIN 1 DETAIL

SHEET SIZE A1
VERSION 00
DWG No. 31846
SHEET No. 304

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LEGEND

EXISTING		PROPOSED	
WATER		DRAIN - MAIN	
DRAINAGE		KERB	
SEWER		BATTER EXTENTS	
ELECTRICITY UNDER GROUND		PAVEMENT 1 (STABILISATION)	
ELECTRICITY OVERHEAD		PAVEMENT 2 (FULL DEPTH)	
TELSTRA		PAVEMENT 3 (RIGID CONCRETE)	
GAS		ASPHALT OVERLAY	
KERB		PRAM CROSSING	
FENCE		ASPHALT FOOTPATH	
BANK TOE		LINEMARKING	
BANK TOP		CONTOUR MAJOR (1.0m)	
CONTOUR MAJOR (1.0m)		CONTOUR MINOR (0.2m)	
CONTOUR MINOR (0.2m)		BORESHAFT LOCATION	
TREE			

TURN HEAD 2 AND SPOON DRAIN 2 DETAIL

4 2 0 4 8 1:200

Original sheet size A1

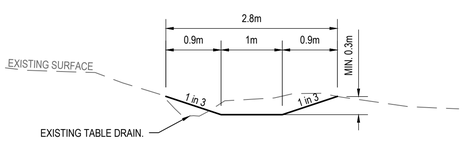
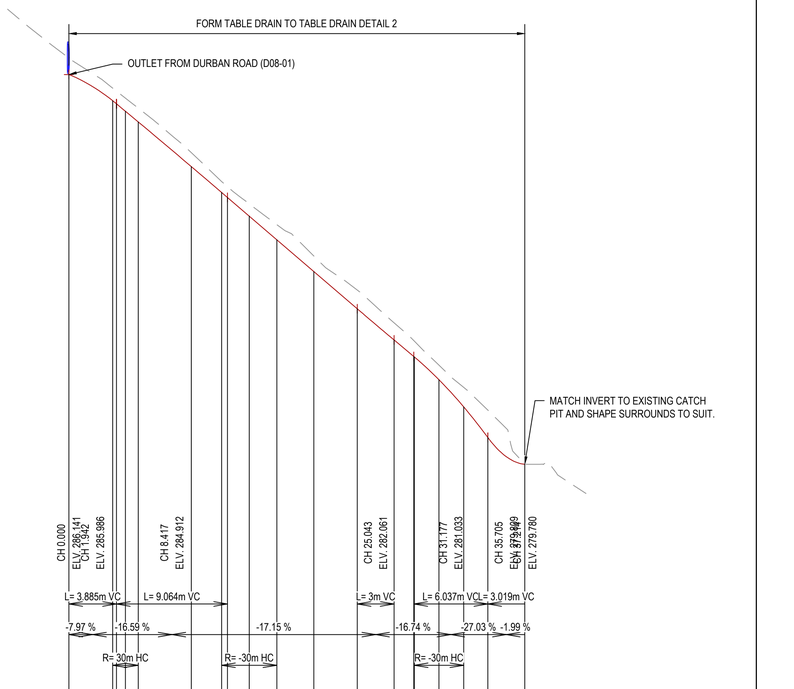
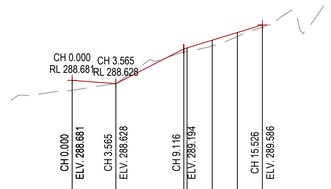


TABLE DRAIN 2 TYPICAL SECTION

NOT TO SCALE



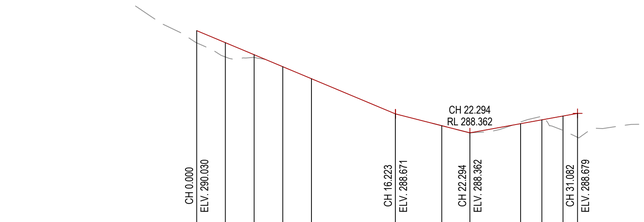


DATUM 285

CHAINAGE	DESIGN CENTRELINE	EXISTING SURFACE	DEPTH	EASTING	NORTHING
0.00	288.68	288.52	0.163	364081.096	5800869.64
3.57	288.63	288.59	0.055	364077.571	5800869.075
9.12	289.19	289.15	0.047	364076.693	5800874.551
9.36	289.21	289.16	0.055	364076.926	5800874.676
11.43	289.34	289.24	0.094	364078.474	5800875.997
13.48	289.46	289.40	0.064	364079.369	5800877.824
15.53	289.59	289.55	0.035	364079.463	5800879.856

TURN HEAD 2 (WEST) - EDGE OF CONCRETE LONGITUDINAL SECTION

H: 250 V: 50 @ A1



DATUM 285

CHAINAGE	DESIGN CENTRELINE	EXISTING SURFACE	DEPTH	EASTING	NORTHING
0.00	290.03			364084.425	5800884.281
2.34	289.83	289.59	0.239	364085.107	5800882.049
4.68	289.64	289.59	0.045	364086.37	5800880.088
7.02	289.44			364088.119	5800878.543
9.36	289.25			364090.221	5800877.533
16.21	288.67			364096.743	5800875.441
20.00	288.48	288.48	-0.000	364095.812	5800871.768
22.29	288.36	288.36	-0.000	364095.249	5800869.545
26.43	288.51	288.54	-0.028	364091.236	5800870.562
28.16	288.57	288.63	-0.060	364089.527	5800870.814
29.89	288.64	288.40	0.233	364087.803	5800870.716
31.08	288.68	288.29	0.390	364086.629	5800870.527

TURN HEAD 2 (EAST) - EDGE OF CONCRETE LONGITUDINAL SECTION

H: 250 V: 50 @ A1

DATUM 276

CHAINAGE	DESIGN CENTRELINE	EXISTING SURFACE	DEPTH	EASTING	NORTHING
0.00	286.14	286.41	-0.270	364087.695	5800659.137
3.58	285.71	285.92	-0.205	364088.304	5800655.607
3.86	285.66	285.87	-0.207	364088.354	5800655.309
4.16	285.57	285.79	-0.225	364088.393	5800655.016
4.56	285.57	285.79	-0.225	364088.393	5800654.616
10.00	284.87	284.87	-0.228	364089.026	5800649.231
12.47	284.22	284.39	-0.178	364089.277	5800646.774
12.95	284.13	284.31	-0.176	364089.329	5800646.296
14.72	283.83	284.03	-0.200	364089.589	5800644.543
16.98	283.44	283.69	-0.247	364090.068	5800642.341
20.00	282.93	283.18	-0.253	364090.822	5800639.414
23.54	282.32	282.62	-0.305	364091.704	5800635.983
26.54	281.81	282.09	-0.279	364092.452	5800633.077
28.15	281.54	281.80	-0.259	364092.854	5800631.513
28.45	281.49	281.75	-0.259	364092.883	5800631.215
30.21	281.16	281.40	-0.239	364093.431	5800629.543
32.23	280.72	281.04	-0.320	364094.128	5800827.65
34.20	280.22	280.66	-0.446	364094.869	5800825.828
37.21	279.78	279.78	-0.000	364096.007	5800823.032

TABLE DRAIN 2 - INVERT LONGITUDINAL SECTION

H: 250 V: 50 @ A1

WARNING

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BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

VER.	DATE	AMENDMENT
00	26-06-24	TENDER ISSUE

CAD FILE: 31846_C3
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

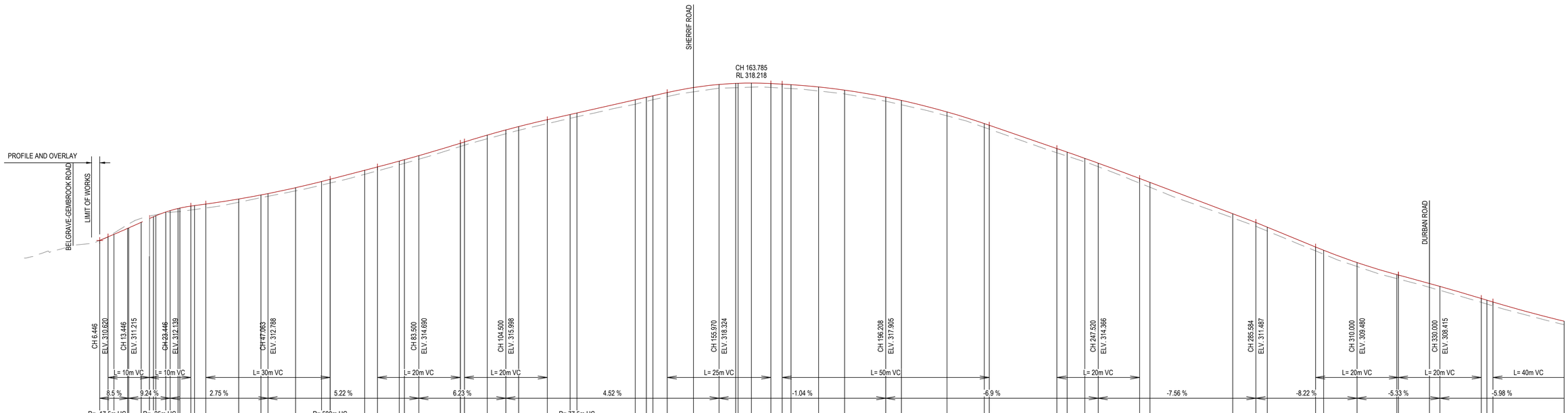
SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD

TURN HEAD 2 AND TABLE DRAIN 2 DETAIL

SHEET SIZE A1
VERSION 00
DWG No. 31846
SHEET No. 304

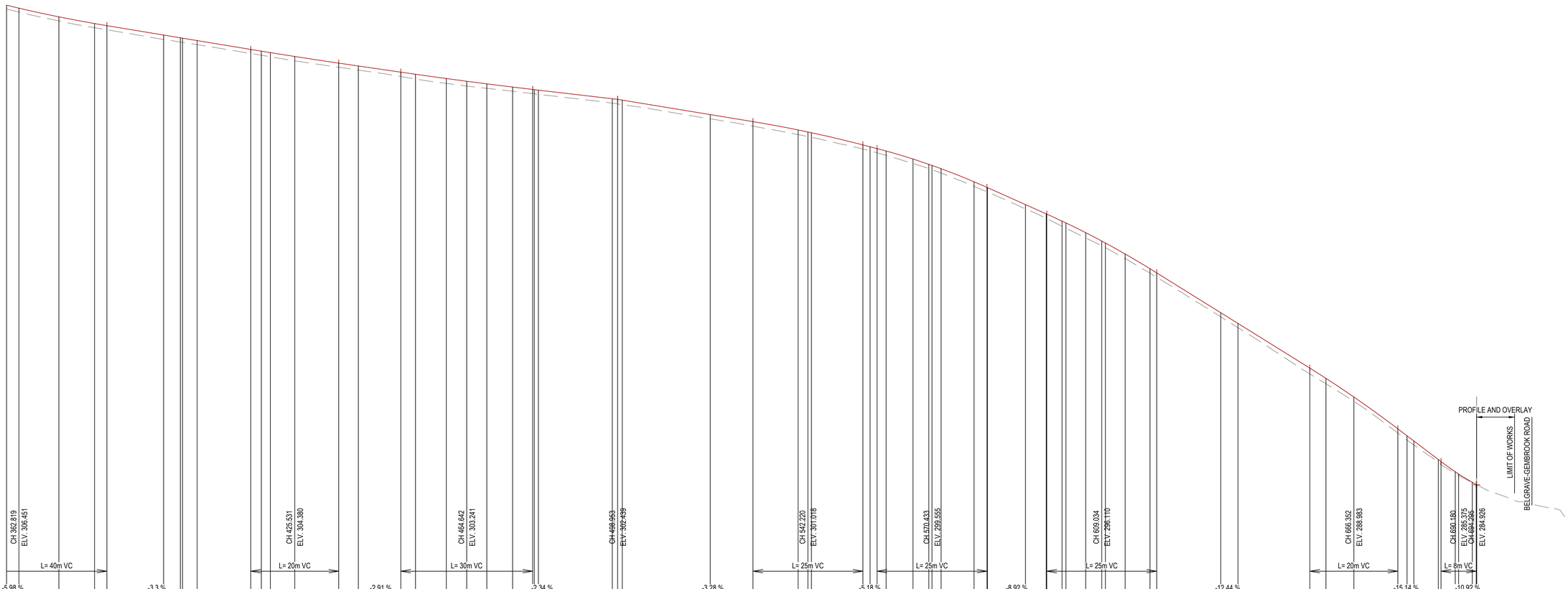
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SHERRIF ROAD
CH 163.785
RL 318.218
PROFILE AND OVERLAY
BELGRAVE-GEMBROOK ROAD
LIMIT OF WORKS
DURBAN ROAD
CH 6.446 ELV. 310.820
CH 13.446 ELV. 311.215
CH 23.446 ELV. 312.139
CH 47.083 ELV. 312.788
CH 83.500 ELV. 314.690
CH 104.500 ELV. 315.998
CH 155.970 ELV. 316.324
CH 196.208 ELV. 317.905
CH 247.520 ELV. 314.366
CH 285.584 ELV. 311.487
CH 310.000 ELV. 309.460
CH 330.000 ELV. 308.415
L= 10m VC
L= 10m VC
L= 30m VC
L= 20m VC
L= 20m VC
L= 25m VC
L= 50m VC
L= 20m VC
L= 20m VC
L= 20m VC
L= 40m VC
DESIGN GRADING
8.5 %
9.24 %
2.75 %
5.22 %
6.23 %
4.52 %
-1.04 %
-6.9 %
-7.56 %
-8.22 %
-5.33 %
-5.98 %
HORIZONTAL GEOMETRY
R= -17.5m HC
R= -25m HC
R= 500m HC
R= 77.5m HC

DATUM 301

| | | |

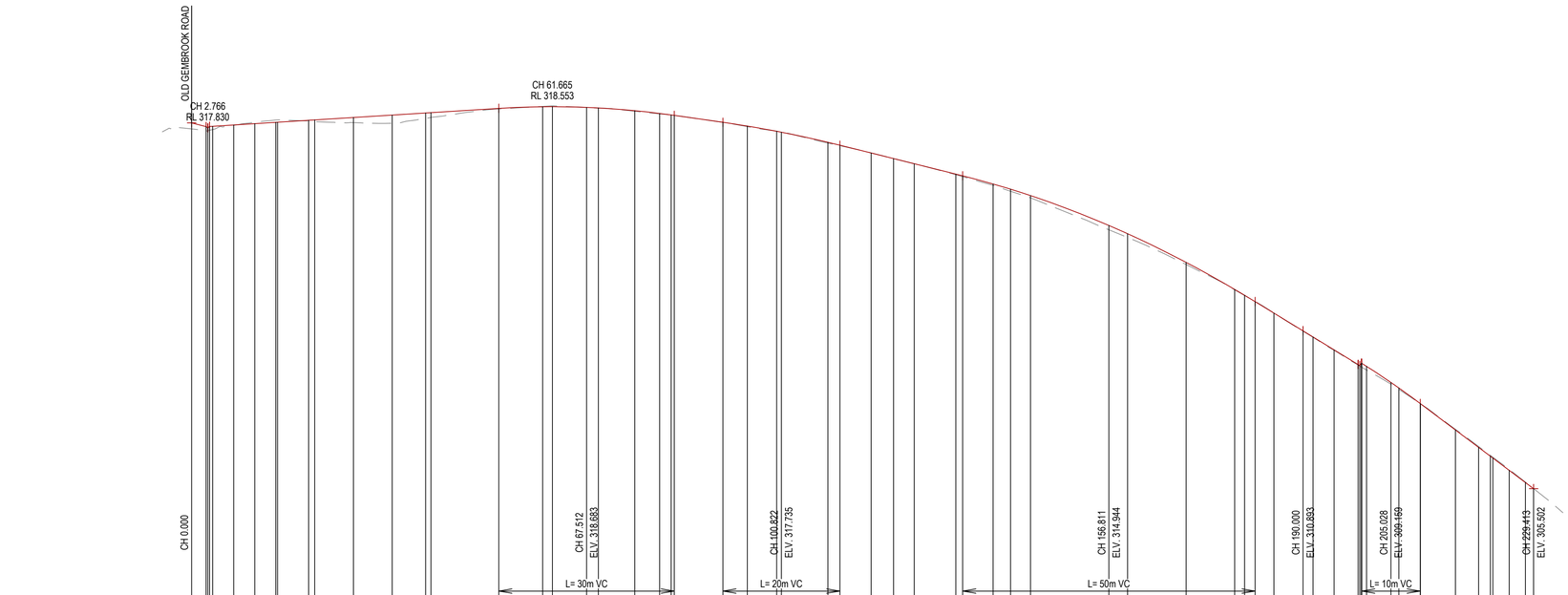


DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 278

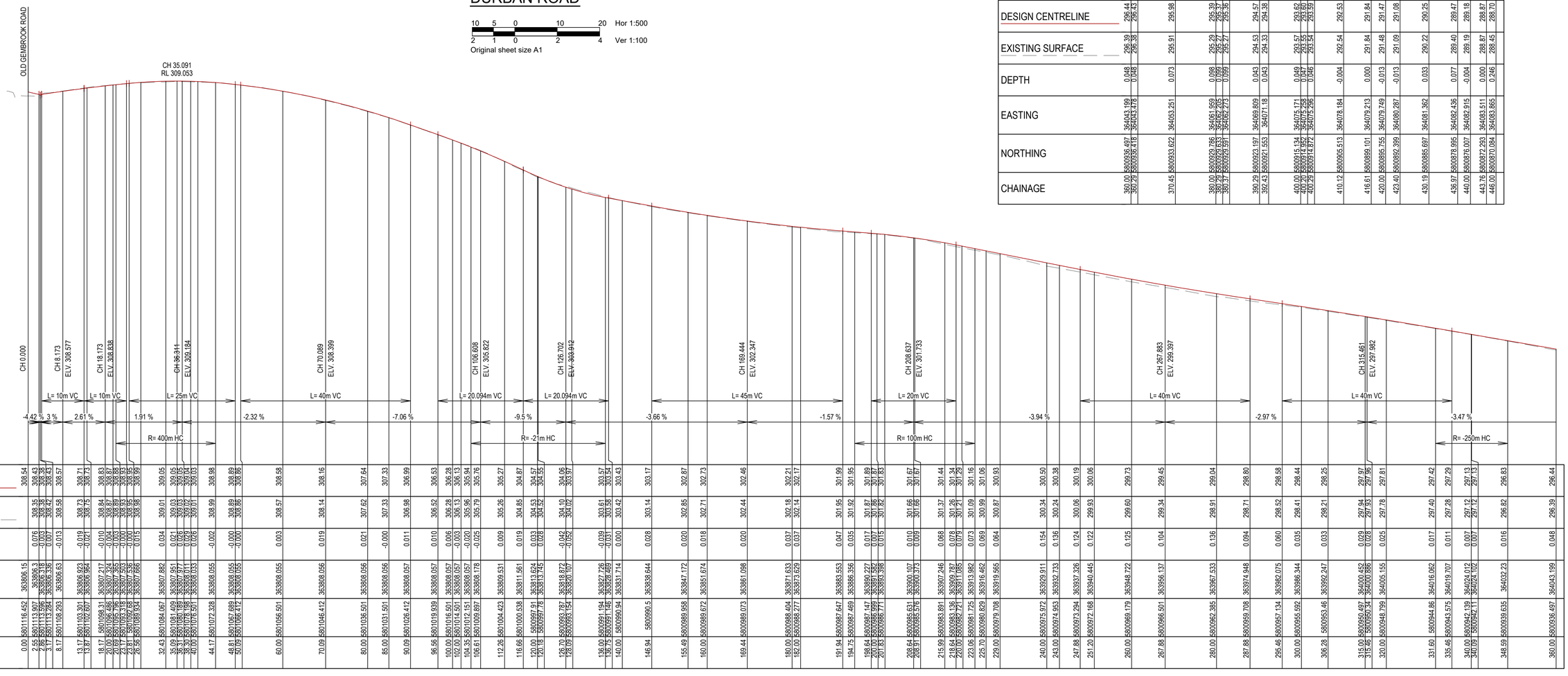
| | | |


OLD GEMBROOK ROAD
CH 2.766
RL 317.830
CH 61.665
RL 318.553
CH 0.000
CH 67.512
ELV. 318.683
CH 100.922
ELV. 317.735
CH 156.811
ELV. 314.944
CH 190.000
ELV. 310.893
CH 205.028
ELV. 309.169
CH 226.413
ELV. 305.502
L= 30m VC
L= 20m VC
L= 50m VC
L= 10m VC
-5.25 %
1.25 %
-2.85 %
-4.98 %
-12.21 %
-12.23 %
-12.5 %
-15 %
R= 15m HC
R= -22.5m HC
R= -250m HC
R= 180m HC
R= -120m HC
R= -75m HC
R= 27.5m HC
R= -30m HC
R= 25m HC

| | | |

ROAD CENTERLINE LONGITUDINAL SECTION
DURBAN ROAD

10 5 0 10 20 Hor 1:500
2 1 0 2 4 Ver 1:100
Original sheet size A1

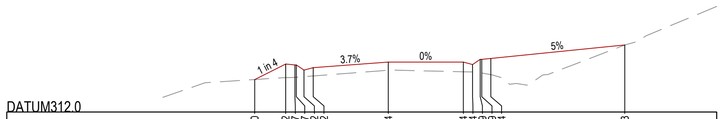


DATUM 291

| | | |

ROAD CROSS SECTIONS
OLD GEMBROOK ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1

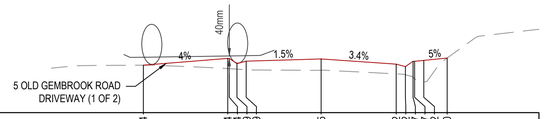


DATUM312.0

| | | |

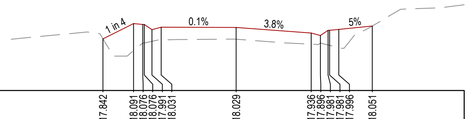
ROAD CROSS SECTIONS
OLD GEMBROOK ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



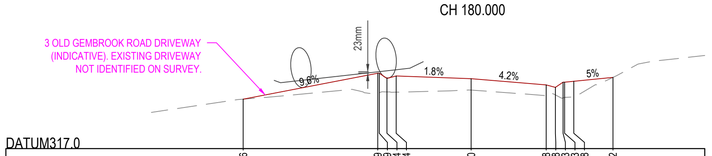
DATUM317.0																			
DESIGN SURFACE	317.774		317.884	317.884	317.884	317.839	317.875		317.792	317.752	317.757	317.837	317.852	317.890					
DEPTH	-0.001		0.165	0.167	0.167	0.142	0.184		0.160	0.133	0.213	0.283	0.355	0.000					
EXISTING SURFACE	317.774		317.719	317.717	317.717	317.697	317.691		317.632	317.619	317.544	317.554	317.497	317.890					
OFFSET	-5.807		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050	3.350	4.111					

CH 186.291



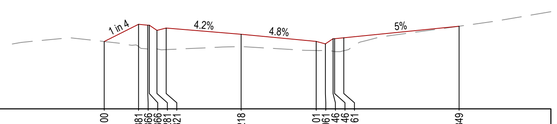
DATUM317.0																			
DESIGN SURFACE	317.842		318.091	318.076	318.076	318.031	318.029		317.936	317.896	317.941	317.981	317.996	318.051					
DEPTH	0.000		0.442	0.305	0.302	0.208	0.193		0.182	0.127	0.099	0.245	0.297	0.000					
EXISTING SURFACE	317.842		317.649	317.771	317.774	317.823	317.836		317.754	317.769	317.842	317.736	317.699	318.051					
OFFSET	-4.348		-3.350	-3.050	-3.000	-2.750	-2.450	0.000	2.450	2.750	3.000	3.050	3.350	4.445					

CH 180.000



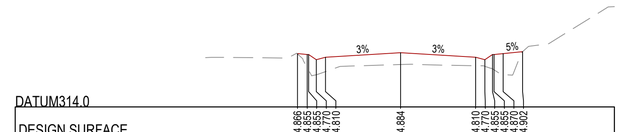
DATUM317.0																			
DESIGN SURFACE	317.806		318.229	318.223	318.184	318.184	318.140		318.038	317.998	317.998	318.083	318.098	318.162					
DEPTH	0.000		0.324	0.316	0.319	0.264	0.187		0.174	0.122	0.092	0.250	0.255	0.000					
EXISTING SURFACE	317.806		317.905	317.913	317.865	317.920	317.953		317.864	317.875	317.905	317.833	317.842	318.162					
OFFSET	-7.443		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050	3.350	4.627					

CH 173.351



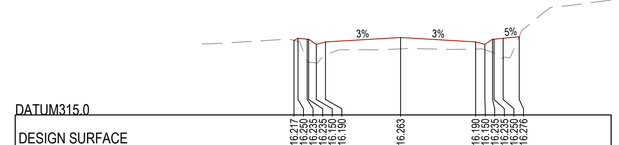
DATUM317.0																			
DESIGN SURFACE	318.100		318.381	318.366	318.366	318.321	318.218		318.101	318.061	318.145	318.146	318.161	318.349					
DEPTH	0.000		0.362	0.394	0.396	0.352	0.200		0.149	0.106	0.069	0.209	0.213	0.000					
EXISTING SURFACE	318.100		318.019	317.972	317.970	317.969	318.018		317.952	317.955	318.076	317.937	317.948	318.349					
OFFSET	-4.473		-3.350	-3.050	-3.000	-2.750	-2.450	0.000	2.450	2.750	3.000	3.050	3.350	7.113					

CH 163.785



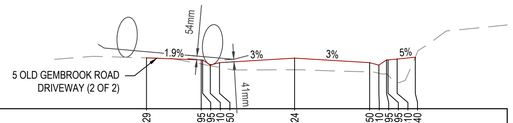
DATUM314.0																			
DESIGN SURFACE	314.866		314.855	314.855	314.855	314.810	314.884		314.810	314.770	314.855	314.855	314.870	314.902					
DEPTH	0.000		0.215	0.260	0.255	0.234	0.193		0.138	0.108	0.255	0.251	0.344	0.000					
EXISTING SURFACE	314.866		314.641	314.595	314.600	314.576	314.691		314.672	314.662	314.600	314.604	314.526	314.902					
OFFSET	-3.368		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050	3.350	3.962					

CH 240.000



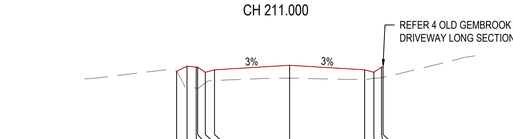
DATUM315.0																			
DESIGN SURFACE	316.217		316.250	316.235	316.235	316.150	316.263		316.190	316.150	316.235	316.235	316.250	316.276					
DEPTH	0.000		0.051	0.073	0.073	0.210	0.186		0.116	0.086	0.225	0.229	0.320	0.000					
EXISTING SURFACE	316.217		316.199	316.176	315.861	315.848	316.077		316.074	316.062	316.010	316.005	315.930	316.276					
OFFSET	-3.482		-3.350	-3.050	-3.000	-2.750	-2.450	0.000	2.450	2.750	3.000	3.050	3.350	3.873					

CH 220.000



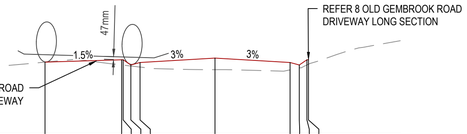
DATUM316.0																			
DESIGN SURFACE	316.829		316.795	316.795	316.770	316.750	316.824		316.750	316.710	316.795	316.795	316.810	316.840					
DEPTH	0.000		0.067	0.071	0.070	0.078	0.189		0.150	0.132	0.251	0.251	0.388	0.000					
EXISTING SURFACE	316.829		316.729	316.724	316.700	316.673	316.634		316.600	316.578	316.544	316.544	316.422	316.840					
OFFSET	-4.834		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050	3.350	3.942					

CH 211.000



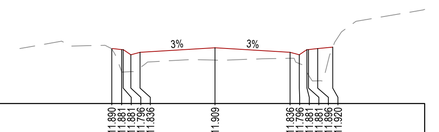
DATUM316.0																			
DESIGN SURFACE	317.282		317.282	317.352	317.352	317.307	317.380		317.307	317.267	317.352	317.352	317.352						
DEPTH	0.000		0.047	0.341	0.348	0.174	0.210		0.156	0.097	0.184	0.184	0.184						
EXISTING SURFACE	317.282		317.235	317.010	317.003	317.132	317.170		317.150	317.170	317.167	317.167	317.167						
OFFSET	-3.887		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050							

CH 200.000



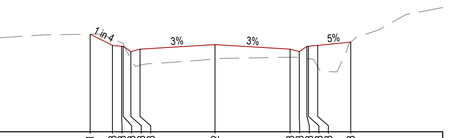
DATUM310.0																			
DESIGN SURFACE	311.195		311.233	311.188	311.148	311.188	311.261		311.188	311.233	311.233	311.233	311.233						
DEPTH	0.000		0.085	0.047	0.017	0.074	0.189		0.119	0.083	0.083	0.084	0.072						
EXISTING SURFACE	311.195		311.148	311.145	311.131	311.114	311.072		311.069	311.149	311.149	311.149	311.160						
OFFSET	-5.550		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050							

CH 288.329



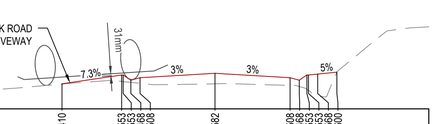
DATUM311.0																			
DESIGN SURFACE	311.890		311.881	311.796	311.796	311.836	311.909		311.836	311.796	311.881	311.881	311.926						
DEPTH	0.000		0.358	0.277	0.277	0.252	0.201		0.089	0.046	0.046	0.046	0.000						
EXISTING SURFACE	311.890		311.522	311.519	311.519	311.584	311.708		311.738	311.750	311.835	311.835	311.926						
OFFSET	-3.372		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050	3.843						

CH 280.000



DATUM312.0																			
DESIGN SURFACE	313.591		313.408	313.393	313.393	313.348	313.422		313.348	313.393	313.393	313.393	313.408	313.463					
DEPTH	0.000		-0.111	-0.059	-0.059	-0.122	0.235		0.131	0.159	0.159	0.202	0.347	0.000					
EXISTING SURFACE	313.591		313.520	313.452	313.452	313.186	313.187		313.217	313.234	313.234	313.192	313.062	313.463					
OFFSET	-4.081		-3.350	-3.050	-3.000	-2.750	-2.450	0.000	2.450	2.750	3.000	3.050	3.350	4.432					

CH 260.000



DATUM314.0																			
DESIGN SURFACE	314.410		314.553	314.468	314.468	314.508	314.582		314.508	314.553	314.553	314.553	314.600						
DEPTH	0.004		0.105	0.036	0.036	0.092	0.172		0.124	0.236	0.252	0.252	0.000						
EXISTING SURFACE	314.406		314.449	314.432	314.432	314.417	314.410		314.384	314.317	314.301	314.301	314.600						
OFFSET	-4.998		-3.050	-3.000	-2.750	-2.450	0.000		2.450	2.750	3.000	3.050	3.379						

CH 244.279

WARNING

BEWARE - UNDERGROUND SERVICES

THE LOCATIONS OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT DEPTH AND LOCATION SHOULD BE VERIFIED AND PROVEN ON SITE BY THE APPROPRIATE SERVICE PROVIDERS PRIOR TO ANY SITE EXCAVATION. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. CONTRACTOR TO TAKE PRECAUTIONS TO AVOID CONFLICTS

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

VER.	DATE	AMENDMENT
03	26-06-24	TENDER ISSUE
02	03-04-24	REVISED ALIGNMENT - COUNCIL COMMENTS
01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
ROAD CROSS SECTIONS - OLD GEMBROOK ROAD

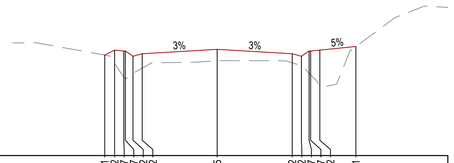
SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 502

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PRINTED: 26/06/2024 BY: MATTHEW ASHDC

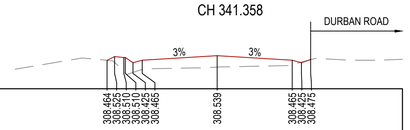
ROAD CROSS SECTIONS
OLD GEMBROOK ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



DATUM306.0							
DESIGN SURFACE	307.641	307.722	307.707	307.622	307.735	307.662	307.722	307.781
DEPTH	0.000	0.215	0.207	0.279	0.190	0.148	0.148	0.000
EXISTING SURFACE	307.641	307.507	307.500	307.343	307.545	307.514	307.473	307.781
OFFSET	-3.673	-3.350	-3.050	-2.750	0.000	2.450	2.750	4.530

CH 341.358

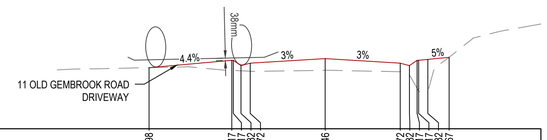


DATUM308.0							
DESIGN SURFACE	308.464	308.525	308.510	308.429	308.539	308.465	308.425	308.475
DEPTH	0.000	0.097	0.215	0.159	0.186	0.072	-0.008	0.002
EXISTING SURFACE	308.464	308.429	308.295	308.270	308.353	308.393	308.433	308.474
OFFSET	-3.595	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.050

CH 327.491

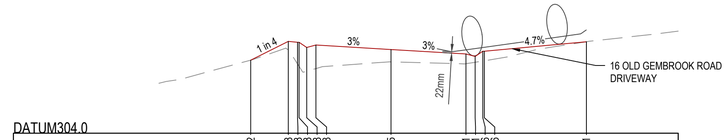
DATUM308.0							
DESIGN SURFACE	308.907	308.954	308.939	308.854	308.968	308.854	308.939	308.954	309.037
DEPTH	0.000	0.058	0.232	0.141	0.192	0.165	0.176	0.303	0.341	0.000
EXISTING SURFACE	308.907	308.896	308.707	308.713	308.776	308.729	308.678	308.636	308.613	309.037
OFFSET	-3.539	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.350	4.997

CH 319.616



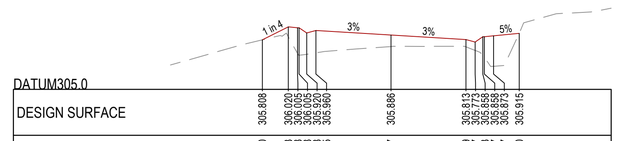
DATUM309.0							
DESIGN SURFACE	309.998	310.117	310.117	310.032	310.146	310.072	310.032	310.117	310.132	310.167
DEPTH	0.000	0.165	0.166	0.086	0.191	0.141	0.169	0.455	0.469	0.000
EXISTING SURFACE	309.998	309.952	309.951	309.946	309.954	309.931	309.864	309.662	309.663	310.167
OFFSET	-5.751	-3.050	-3.000	-2.750	0.000	2.450	2.750	3.000	3.350	4.045

CH 301.933



DATUM304.0							
DESIGN SURFACE	305.192	305.498	305.483	305.498	305.365	305.291	305.251	305.336	305.336	305.491
DEPTH	0.000	0.143	0.154	0.388	0.202	0.158	0.095	0.159	0.155	0.000
EXISTING SURFACE	305.192	305.355	305.329	305.110	305.163	305.133	305.157	305.177	305.182	305.491
OFFSET	-4.578	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.050	6.380

CH 395.702

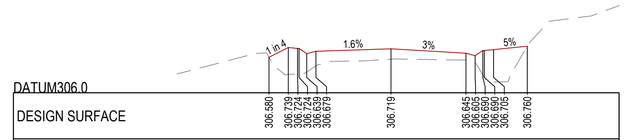


DATUM305.0							
DESIGN SURFACE	305.808	306.002	306.025	305.970	305.886	305.813	305.773	305.898	305.873	305.915
DEPTH	0.000	0.163	0.448	0.348	0.187	0.119	0.137	0.303	0.337	0.000
EXISTING SURFACE	305.808	305.867	305.557	305.522	305.699	305.694	305.635	305.595	305.537	305.915
OFFSET	-4.199	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.350	4.190

CH 380.000

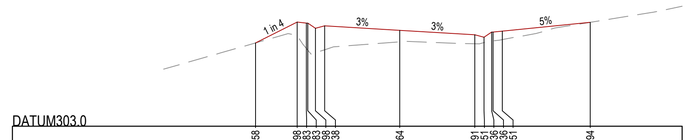
DATUM305.0							
DESIGN SURFACE	306.184	306.261	306.266	306.181	306.191	306.118	306.078	306.163	306.165	306.288	306.534
DEPTH	0.000	0.151	0.402	0.268	0.186	0.103	0.017	0.065	0.057	-0.123	0.007
EXISTING SURFACE	306.184	306.260	305.864	305.802	306.005	306.015	306.060	306.098	306.105	306.411	306.527
OFFSET	-3.736	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.050	5.550	8.205

CH 371.899



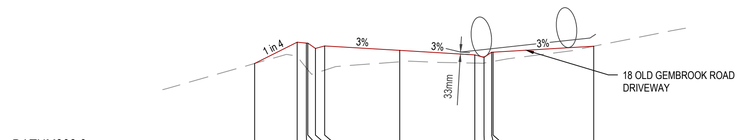
DATUM306.0							
DESIGN SURFACE	306.580	306.709	306.724	306.679	306.719	306.645	306.605	306.690	306.705	306.760
DEPTH	0.000	0.441	0.423	0.259	0.170	0.114	0.128	0.167	0.350	0.000
EXISTING SURFACE	306.580	306.268	306.300	306.340	306.548	306.531	306.477	306.523	306.175	306.760
OFFSET	-3.383	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.350	4.449

CH 360.000



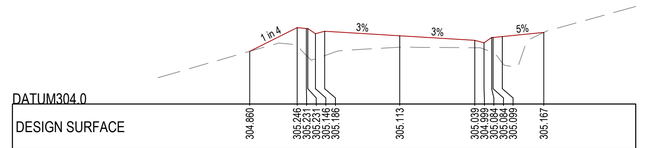
DATUM303.0							
DESIGN SURFACE	304.358	304.698	304.683	304.598	304.564	304.491	304.445	304.356	304.551	304.694
DEPTH	0.000	0.220	0.414	0.399	0.189	0.146	0.148	0.145	0.139	0.000
EXISTING SURFACE	304.358	304.478	304.269	304.199	304.375	304.344	304.298	304.211	304.412	304.694
OFFSET	-4.708	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.050	6.221

CH 420.000



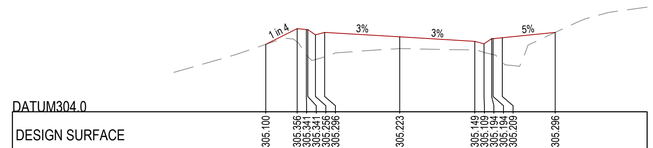
DATUM303.0							
DESIGN SURFACE	304.417	304.764	304.749	304.694	304.631	304.557	304.612	304.602	304.700
DEPTH	0.000	0.227	0.404	0.405	0.186	0.133	0.156	0.151	0.000
EXISTING SURFACE	304.417	304.538	304.345	304.289	304.445	304.424	304.456	304.451	304.700
OFFSET	-4.738	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.050	6.333

CH 417.943



DATUM304.0							
DESIGN SURFACE	304.860	305.246	305.231	305.146	305.113	305.039	305.094	305.084	305.099	305.167
DEPTH	0.000	0.285	0.439	0.411	0.186	0.121	0.234	0.250	0.430	0.000
EXISTING SURFACE	304.860	304.962	304.793	304.736	304.927	304.918	304.860	304.834	304.670	305.167
OFFSET	-4.897	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.350	4.704

CH 403.333



DATUM304.0							
DESIGN SURFACE	305.100	305.356	305.341	305.256	305.223	305.149	305.194	305.194	305.209	305.296
DEPTH	0.000	0.217	0.414	0.403	0.193	0.138	0.161	0.254	0.260	0.000
EXISTING SURFACE	305.100	305.139	304.927	304.853	305.030	305.011	305.033	304.940	304.935	305.296
OFFSET	-4.375	-3.350	-3.050	-2.750	0.000	2.450	2.750	3.000	3.350	5.077

CH 400.000

WARNING
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01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

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Surveying - Engineering - Town Planning
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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
ROAD CROSS SECTIONS - OLD GEMBROOK ROAD

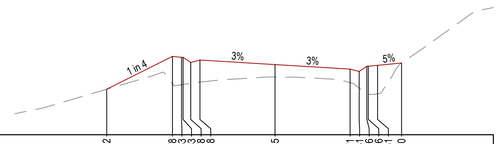
SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 503

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ROAD CROSS SECTIONS
OLD GEMBROOK ROAD

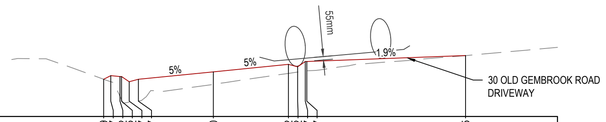
2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



| DATUM302.0 | | |

ROAD CROSS SECTIONS
OLD GEMBROOK ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



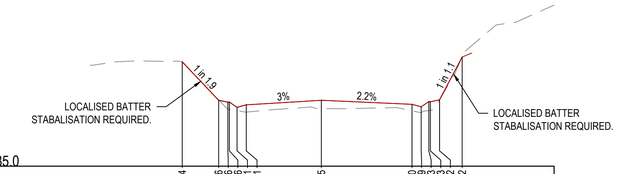
| DATUM299.0 | | |

ROAD CROSS SECTIONS
OLD GEMBROOK ROAD

2 1 0 2 4 Hor 1:100

1 0.5 0 1 2 Ver 1:50

Original sheet size A1



DATUM285.0

| | | |



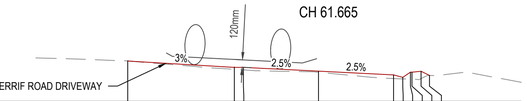
DATUM318.0												
DESIGN SURFACE	318.700			318.572	318.572		318.511		318.449	318.449	318.494	318.569	318.691
DEPTH	0.000			0.063	0.049		0.006		0.002	0.016	0.027	0.076	0.000
EXISTING SURFACE	318.700			318.519	318.523		318.505		318.448	318.433	318.521	318.585	318.691
OFFSET	-6.970			-2.750	-2.450		0.000		2.450	2.700	3.050	3.350	3.557

CH 69.537



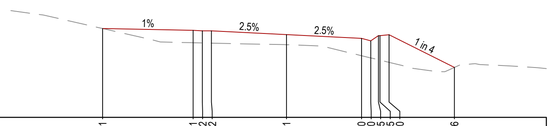
DATUM318.0												
DESIGN SURFACE	318.619	318.614	318.614			318.553		318.492	318.527	318.537	318.582	318.644
DEPTH	0.000	0.005	0.008			-0.029		0.053	0.088	0.068	0.017	0.000
EXISTING SURFACE	318.619	318.613	318.607			318.582		318.439	318.439	318.469	318.569	318.644
OFFSET	-3.065	-2.750	-2.450			0.000		2.450	2.700	3.050	3.350	3.700

CH 61.665



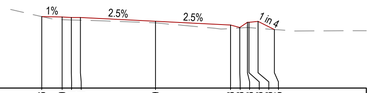
DATUM318.0												
DESIGN SURFACE	318.662			318.557	318.557		318.496		318.434	318.479	318.479	318.496	318.625
DEPTH	-0.001			0.030	0.039		0.018		0.068	0.114	0.115	0.119	0.000
EXISTING SURFACE	318.663			318.527	318.518		318.478		318.376	318.365	318.364	318.376	318.625
OFFSET	-6.229			-2.750	-2.450		0.000		2.450	2.700	3.050	3.350	3.622

CH 52.512



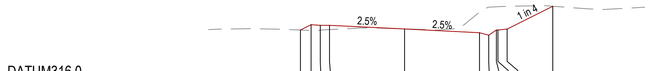
DATUM317.0												
DESIGN SURFACE	318.451			318.421	318.412		318.351		318.290	318.336	318.335	318.350	317.816
DEPTH	0.000			0.202	0.196		0.164		0.282	0.253	0.400	0.451	0.000
EXISTING SURFACE	318.451			318.219	318.216		318.187		318.007	317.941	317.935	317.898	317.816
OFFSET	-6.002			-3.050	-2.750		0.000		2.450	2.700	3.050	3.350	5.482

CH 40.913



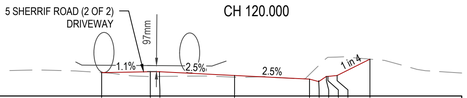
DATUM317.0												
DESIGN SURFACE	318.166	318.160	318.151			318.089		318.028	318.093	318.074	318.088	318.114	317.955
DEPTH	0.000	0.044	0.049			0.026		0.057	0.098	0.088	0.114	0.000	
EXISTING SURFACE	318.166	318.116	318.101			318.063		317.971	317.995	317.985	317.974	317.955	
OFFSET	-3.713	-3.050	-2.750			0.000		2.450	2.700	3.050	3.350	3.863	

CH 20.000



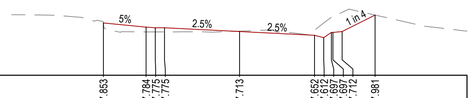
DATUM316.0												
DESIGN SURFACE	316.762	316.849	316.840	316.840		316.779		316.718	316.678	316.763	316.778	317.150	
DEPTH	0.000	0.094	0.080	0.072		-0.002		-0.340	-0.458	-0.379	-0.372	0.000	
EXISTING SURFACE	316.762	316.755	316.760	316.769		316.781		317.058	317.136	317.142	317.150	317.150	
OFFSET	-3.398	-3.050	-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	4.841	

CH 120.000



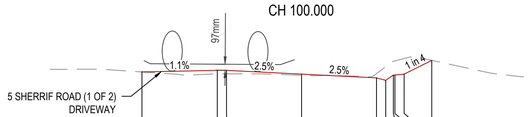
DATUM317.0												
DESIGN SURFACE	317.382			317.398	317.398		317.336		317.275	317.235	317.320	317.335	317.602
DEPTH	0.000			0.080	0.076		0.028		-0.076	-0.265	-0.313	-0.302	0.000
EXISTING SURFACE	317.382			317.318	317.320		317.309		317.352	317.500	317.633	317.637	317.602
OFFSET	-4.340			-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	4.419

CH 108.771



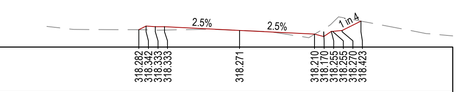
DATUM317.0												
DESIGN SURFACE	317.853			317.784	317.775		317.713		317.652	317.612	317.697	317.712	317.981
DEPTH	0.000			0.077	0.069		-0.006		-0.077	-0.239	-0.259	-0.314	0.000
EXISTING SURFACE	317.853			317.707	317.706		317.719		317.729	317.851	317.956	318.026	317.981
OFFSET	-4.443			-3.050	-2.750		0.000		2.450	2.750	3.050	3.350	4.427

CH 100.000



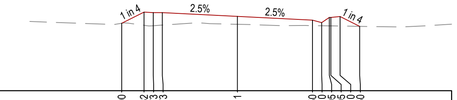
DATUM317.0												
DESIGN SURFACE	317.926			317.953	317.953		317.891		317.830	317.790	317.875	317.890	318.115
DEPTH	0.000			0.058	0.058		0.021		-0.070	-0.224	-0.231	-0.255	0.000
EXISTING SURFACE	317.926			317.895	317.895		317.870		317.900	318.014	318.106	318.145	318.115
OFFSET	-5.211			-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	4.251

CH 95.000



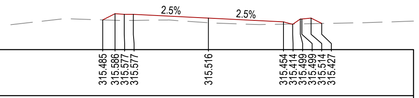
DATUM318.0												
DESIGN SURFACE	318.282	318.343	318.333	318.333		318.271		318.210	318.170	318.255	318.270	318.423	
DEPTH	0.000	0.060	0.050	0.056		0.000		0.001	-0.127	-0.148	-0.212	0.000	
EXISTING SURFACE	318.282	318.283	318.274	318.277		318.271		318.209	318.297	318.403	318.482	318.423	
OFFSET	-3.688	-3.050	-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	3.963	

CH 81.972



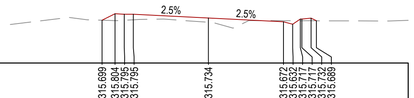
DATUM313.0												
DESIGN SURFACE	314.100			314.282	314.273		314.211		314.150	314.110	314.195	314.210	314.650
DEPTH	0.000			0.215	0.213		0.128		0.089	0.051	0.138	0.155	0.000
EXISTING SURFACE	314.100			314.067	314.060		314.083		314.061	314.059	314.057	314.055	314.650
OFFSET	-3.778			-3.050	-2.750		0.000		2.450	2.750	3.050	3.350	3.991

CH 160.000



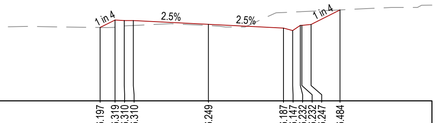
DATUM315.0												
DESIGN SURFACE	315.485	315.586	315.577			315.516		315.454	315.414	315.477	315.499	315.514	315.627
DEPTH	0.000	0.107	0.102	0.100		0.076		0.038	-0.016	0.078	0.078	0.090	0.000
EXISTING SURFACE	315.485	315.479	315.475	315.477		315.439		315.416	315.431	315.422	315.422	315.424	315.627
OFFSET	-3.452	-3.050	-2.750	-2.450		0.000		2.450	2.750	3.050	3.050	3.350	3.988

CH 143.400



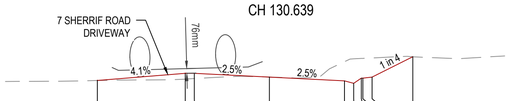
DATUM315.0												
DESIGN SURFACE	315.699	315.804	315.795			315.734		315.672	315.512	315.717	315.732	315.689	
DEPTH	0.000	0.111	0.098	0.096		0.069		-0.018	-0.028	0.028	0.043	0.000	
EXISTING SURFACE	315.699	315.693	315.697	315.700		315.665		315.690	315.690	315.690	315.689		
OFFSET	-3.471	-3.050	-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	3.924	

CH 140.000



DATUM315.0												
DESIGN SURFACE	316.197	316.319	316.310			316.249		316.187	316.147	316.232	316.247	316.484	
DEPTH	0.000	0.117	0.088	0.079		0.020		-0.254	-0.301	-0.223	-0.215	0.000	
EXISTING SURFACE	316.197	316.202	316.222	316.231		316.229		316.441	316.448	316.455	316.462	316.484	
OFFSET	-3.537	-3.050	-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	4.297	

CH 130.639



DATUM316.0												
DESIGN SURFACE	316.547			316.664	316.684		316.603		316.542	316.502	316.587	316.602	316.935
DEPTH	0.000			0.094	0.085		-0.000		-0.312	-0.329	-0.321	-0.313	0.000
EXISTING SURFACE	316.547			316.570	316.579		316.603		316.854	316.830	316.908	316.915	316.935
OFFSET	-5.619			-2.750	-2.450		0.000		2.450	2.750	3.050	3.350	4.682

CH 123.531

ROAD CROSS SECTIONS SHERRIF ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1

WARNING
BEWARE - UNDERGROUND SERVICES
THE LOCATIONS OF EXISTING UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT DEPTH AND LOCATION SHOULD BE VERIFIED AND PROVEN ON SITE BY THE APPROPRIATE SERVICE PROVIDERS PRIOR TO ANY SITE EXCAVATION. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. CONTRACTOR TO TAKE PRECAUTIONS TO AVOID CONFLICTS

BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

VER.	DATE	AMENDMENT
03	26-06-24	TENDER ISSUE
02	03-04-24	REVISED ALIGNMENT - COUNCIL COMMENTS
01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
ROAD CROSS SECTIONS - SHERRIF ROAD

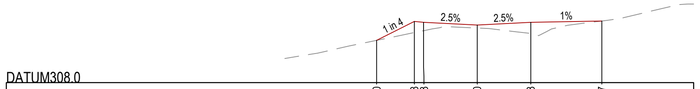
SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 507

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PRINTED: 26/06/2024 BY: MATTHEW ASHDO

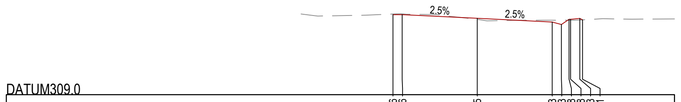
ROAD CROSS SECTIONS
SHERRIF ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



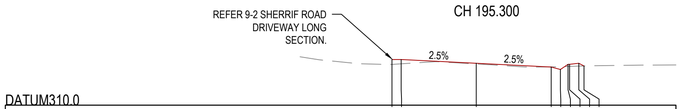
DATUM308.0					
DESIGN SURFACE	308.690	308.998 308.993	308.940	308.983	309.007
DEPTH	0.000	0.181 0.136	0.049	0.181	0.000
EXISTING SURFACE	308.690	308.817 308.848	308.891	308.802	309.007
OFFSET	-3.282	-2.050 -1.750	0.000	1.750	4.069

CH 206.383



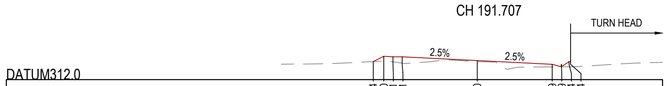
DATUM309.0				
DESIGN SURFACE	310.306 310.306	310.245	310.183 310.183 310.228 310.243 310.221	
DEPTH	-0.009 -0.012	0.016	-0.030 -0.030 0.015 0.015 0.000	
EXISTING SURFACE	310.315 310.318	310.229	310.214 310.213 310.214 310.228 310.221	
OFFSET	-2.750 -2.450	0.000	2.450 2.750 3.000 3.050 3.440	

CH 195.300



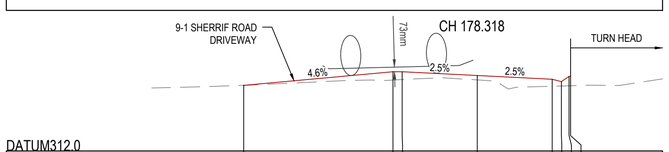
DATUM310.0				
DESIGN SURFACE	310.745 310.745	310.684	310.623 310.583 310.668 310.675 310.640	
DEPTH	0.080 0.070	0.011	-0.001 -0.045 0.035 0.035 0.000	
EXISTING SURFACE	310.666 310.675	310.673	310.624 310.628 310.633 310.640 310.640	
OFFSET	-2.750 -2.450	0.000	2.450 2.750 3.000 3.050 3.520	

CH 191.707



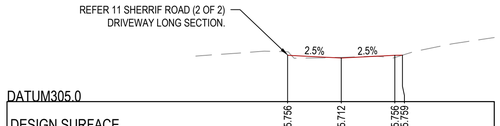
DATUM312.0				
DESIGN SURFACE	312.294 312.380 312.297 312.371	312.310	312.249 312.294 312.294 312.294	
DEPTH	0.000 0.083 0.000 0.103	0.017	0.042 0.000 0.084 0.083	
EXISTING SURFACE	312.294 312.297 312.289 312.268	312.293	312.207 312.294 312.210 312.210	
OFFSET	-3.394 -3.050 -2.750 -2.450	0.000	2.450 2.750 3.000 3.050	

CH 178.318



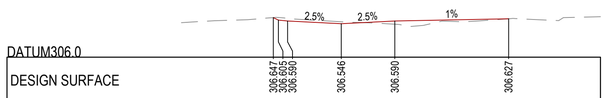
DATUM312.0					
DESIGN SURFACE	313.073	313.295 313.295	313.233	313.172 313.217 313.217	
DEPTH	0.000	0.137 0.129	0.072	0.114 0.000 0.152 0.151	
EXISTING SURFACE	313.072	313.158 313.166	313.162	313.058 313.062 313.065 313.066	
OFFSET	-7.623	-2.750 -2.450	0.000	2.450 2.750 3.000 3.050	

CH 170.000



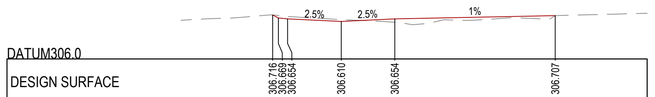
DATUM305.0				
DESIGN SURFACE	305.756	305.712	305.756 305.759	
DEPTH	-0.058	-0.010	0.035 0.000	
EXISTING SURFACE	305.815	305.722	305.721 305.759	
OFFSET	-1.750	0.000	1.750 1.998	

CH 228.008



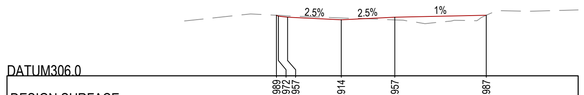
DATUM306.0				
DESIGN SURFACE	306.647 306.605 306.590	306.546	306.590	306.627
DEPTH	0.000 -0.042 -0.047	-0.031	0.053	0.000
EXISTING SURFACE	306.647 306.647 306.637	306.577	306.537	306.627
OFFSET	-2.217 -2.050 -1.750	0.000	1.750	5.465

CH 222.448



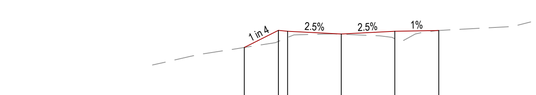
DATUM306.0				
DESIGN SURFACE	306.716 306.669 306.654	306.610	306.654	306.707
DEPTH	0.000 -0.040 -0.040	-0.030	0.055	0.000
EXISTING SURFACE	306.716 306.709 306.694	306.640	306.599	306.707
OFFSET	-2.237 -2.050 -1.750	0.000	1.750	6.987

CH 222.024



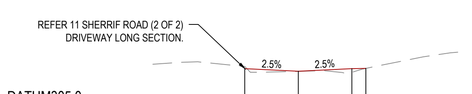
DATUM306.0				
DESIGN SURFACE	306.989 306.972 306.957	306.914	306.957	306.987
DEPTH	0.000 -0.015 -0.020	-0.030	0.045	0.000
EXISTING SURFACE	306.989 306.987 306.978	306.943	306.912	306.987
OFFSET	-2.115 -2.050 -1.750	0.000	1.750	4.736

CH 220.000



DATUM307.0					
DESIGN SURFACE	308.184	308.463 308.448	308.404	308.448	308.462
DEPTH	0.000	0.178 0.101	0.002	0.122	0.000
EXISTING SURFACE	308.184	308.284 308.347	308.402	308.326	308.462
OFFSET	-3.163	-2.050 -1.750	0.000	1.750	3.185

CH 210.066



DATUM305.0				
DESIGN SURFACE	305.545	305.502	305.545 305.550	
DEPTH	-0.036	0.001	0.059 0.000	
EXISTING SURFACE	305.582	305.500	305.486 305.550	
OFFSET	-1.750	0.000	1.750 2.206	

CH 229.413

WARNING
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Zero Damage - Zero Harm

VER.	DATE	AMENDMENT
03	26-06-24	TENDER ISSUE
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01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD
SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au
Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
ROAD CROSS SECTIONS - SHERRIF ROAD

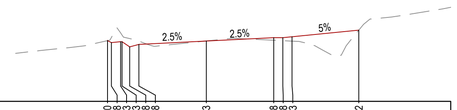
SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 508

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PRINTED: 26/06/2024 BY: MATTHEW ASHDC

EXISTING SERVICES:
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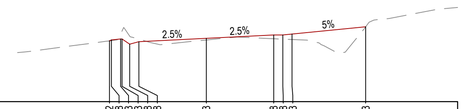
ROAD CROSS SECTIONS
DURBAN ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



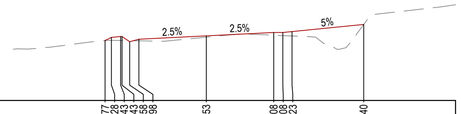
DATUM308.0										
DESIGN SURFACE	308.990	308.958	308.973	308.943	308.888	308.928	308.983	309.038	309.038	309.053	309.162
DEPTH	0.000	-0.083	-0.143	-0.107	-0.135	-0.054	-0.002	0.042	0.049	0.071	0.000
EXISTING SURFACE	308.990	309.041	309.116	309.050	309.023	308.982	308.985	308.997	308.990	308.982	309.162
OFFSET	-3.227	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.800	4.980

CH 44.173



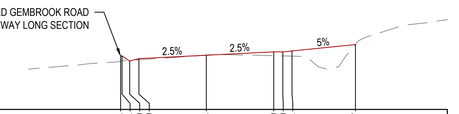
DATUM308.0										
DESIGN SURFACE	308.992	309.006	309.023	309.028	308.978	309.033	309.088	309.088	309.103	309.223
DEPTH	0.000	0.013	-0.076	-0.170	-0.133	-0.043	0.060	0.067	0.088	0.000
EXISTING SURFACE	308.992	308.993	309.099	309.198	309.111	309.021	309.027	309.021	309.014	309.223
OFFSET	-3.163	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.800	5.205

CH 40.000



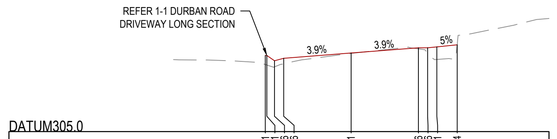
DATUM308.0										
DESIGN SURFACE	308.977	309.028	309.043	309.058	308.998	309.053	309.108	309.108	309.123	309.240
DEPTH	0.000	0.048	0.066	-0.017	0.026	0.021	0.044	0.051	0.072	0.000
EXISTING SURFACE	308.977	308.980	308.977	308.975	308.973	309.032	309.064	309.057	309.051	309.240
OFFSET	-3.305	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.800	5.139

CH 35.091



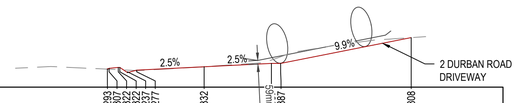
DATUM308.0										
DESIGN SURFACE	308.874	308.874	308.789	308.829	308.884	308.939	308.939	308.954	309.057
DEPTH	0.087	0.083	-0.012	0.019	-0.003	0.061	0.065	0.085	0.000
EXISTING SURFACE	308.787	308.791	308.801	308.810	308.886	308.878	308.873	308.869	309.057
OFFSET	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.800	4.869

CH 20.691



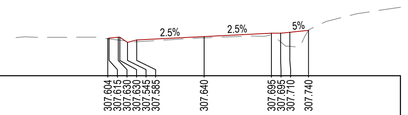
DATUM305.0										
DESIGN SURFACE	306.241	306.241	306.155	306.196	306.281	306.366	306.366	306.381	306.414
DEPTH	0.147	0.155	0.101	0.092	0.006	0.017	0.065	0.050	0.000
EXISTING SURFACE	306.094	306.086	306.055	306.104	306.275	306.350	306.301	306.177	306.414
OFFSET	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.800	3.464

CH 100.000



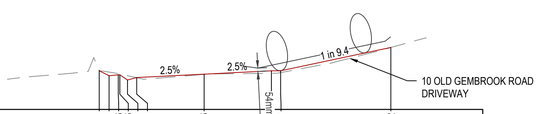
DATUM307.0										
DESIGN SURFACE	307.293	307.307	307.322	307.237	307.277	307.332	307.441	307.387	307.808
DEPTH	0.000	0.015	0.037	-0.041	0.007	-0.000	-0.055	-0.109	0.000
EXISTING SURFACE	307.293	307.291	307.284	307.277	307.270	307.332	307.441	307.495	307.808
OFFSET	-3.156	-3.100	-2.800	-2.500	-2.200	0.000	2.200	2.500	6.761

CH 85.000



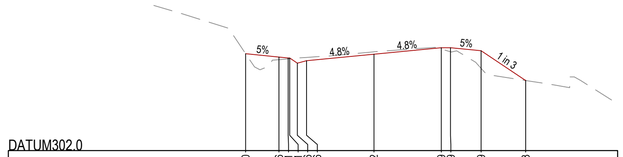
DATUM307.0										
DESIGN SURFACE	307.604	307.615	307.630	307.653	307.645	307.566	307.640	307.695	307.695	307.710	307.740
DEPTH	0.000	0.013	0.047	0.051	-0.019	0.031	0.021	0.025	0.142	0.269	0.000
EXISTING SURFACE	307.604	307.601	307.582	307.602	307.563	307.534	307.619	307.670	307.552	307.479	307.740
OFFSET	-3.143	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.800	3.410

CH 80.000



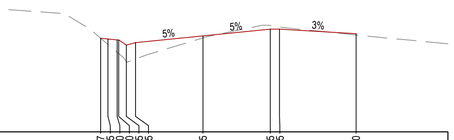
DATUM308.0										
DESIGN SURFACE	308.631	308.657	308.566	308.586	308.521	308.576	308.631	308.631	309.012
DEPTH	0.000	0.026	-0.018	-0.013	0.003	0.003	0.041	0.029	0.000
EXISTING SURFACE	308.631	308.631	308.584	308.579	308.517	308.573	308.590	308.602	309.012
OFFSET	-3.422	-3.100	-2.800	-2.750	-2.200	0.000	2.200	2.500	6.100

CH 60.000



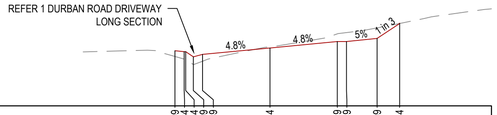
DATUM302.0										
DESIGN SURFACE	303.580	303.526	303.511	303.511	303.466	303.572	303.679	303.679	303.629	303.143
DEPTH	0.000	0.042	0.015	-0.013	-0.055	-0.039	0.018	0.067	0.287	0.000
EXISTING SURFACE	303.580	303.483	303.496	303.498	303.520	303.612	303.661	303.612	303.342	303.143
OFFSET	-4.189	-3.100	-2.800	-2.750	-2.200	0.000	2.200	2.500	3.500	4.956

CH 136.004



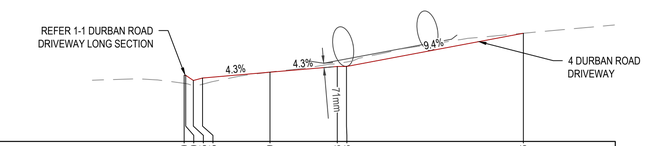
DATUM303.0										
DESIGN SURFACE	304.527	304.576	304.500	304.500	304.455	304.565	304.675	304.675	304.600
DEPTH	0.000	0.049	0.201	0.223	0.268	0.033	-0.062	-0.036	0.020
EXISTING SURFACE	304.527	304.525	304.299	304.278	304.187	304.532	304.737	304.712	304.580
OFFSET	-3.339	-3.100	-2.800	-2.750	-2.200	0.000	2.200	2.500	5.000

CH 120.000



DATUM305.0										
DESIGN SURFACE	305.899	305.884	305.894	305.839	305.944	306.049	306.049	306.099	306.344
DEPTH	0.094	0.121	0.128	0.111	-0.020	-0.125	-0.145	-0.173	0.000
EXISTING SURFACE	305.805	305.763	305.766	305.728	305.965	306.174	306.195	306.272	306.344
OFFSET	-3.100	-2.800	-2.750	-2.200	0.000	2.200	2.500	3.500	4.234

CH 104.350



DATUM305.0										
DESIGN SURFACE	306.080	306.080	306.060	306.035	306.129	306.223	306.223	306.766
DEPTH	0.132	0.135	0.089	0.101	-0.003	-0.045	-0.073	0.000
EXISTING SURFACE	305.948	305.944	305.971	305.933	306.132	306.268	306.296	306.766
OFFSET	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	8.273

CH 102.000

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CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD
SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au
Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
ROAD CROSS SECTIONS - DURBAN ROAD

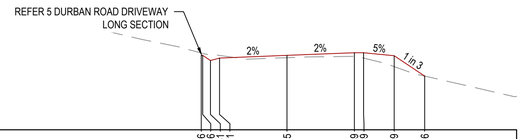
SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 509

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PRINTED: 26/06/2024 BY: MATTHEW ASHDC

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ROAD CROSS SECTIONS
DURBAN ROAD

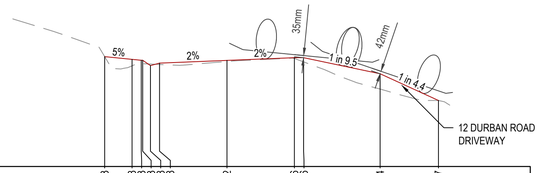
2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



DATUM301.0

DESIGN SURFACE	302.216 302.216 302.213 302.171	302.215	302.259 302.259	302.209	301.876	
DEPTH	-0.037 -0.030 -0.036 -0.043	0.037	0.060 0.087	0.177	0.000	
EXISTING SURFACE	302.253 302.246 302.249 302.214	302.178	302.199 302.172	302.032	301.876	
OFFSET	-2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	3.500	4.498	

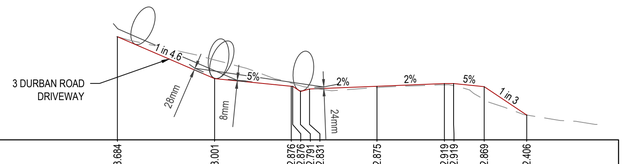
CH 180.000



DATUM301.0

DESIGN SURFACE	302.793	302.748 302.733 302.733 302.748 302.688	302.732	302.776 302.776	302.514	302.077
DEPTH	0.000	0.104 0.055 0.056 0.015 0.023	0.018	0.012 0.069	0.250	0.000
EXISTING SURFACE	302.793	302.644 302.679 302.677 302.733 302.666	302.714	302.764 302.708	302.264	302.077
OFFSET	-3.993	-3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	5.000	6.903

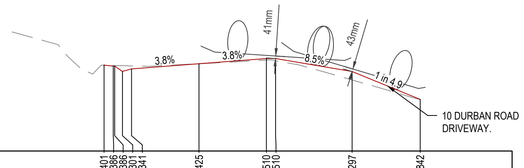
CH 160.000



DATUM302.0

DESIGN SURFACE	303.884	303.001	302.876 302.876 302.873 302.831	302.875	302.919 302.919	302.869 302.406
DEPTH	-0.000	-0.305	-0.051 -0.044 -0.041 -0.024	0.020	0.020 0.033	0.209 0.000
EXISTING SURFACE	303.885	303.306	302.927 302.920 302.915 302.855	302.855	302.899 302.885	302.660 302.406
OFFSET	-8.475	-5.300	-2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	3.500 4.889

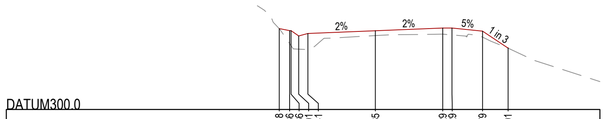
CH 155.489



DATUM302.0

DESIGN SURFACE	303.401 303.386 303.386 303.341	303.425	303.510 303.510	303.297	302.842	
DEPTH	0.001 -0.011 -0.010 -0.001 -0.048	0.000	0.026 0.036	0.137	0.000	
EXISTING SURFACE	303.400 303.396 303.396 303.382 303.389	303.425	303.484 303.473	303.160	302.842	
OFFSET	-3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	5.000	7.223	

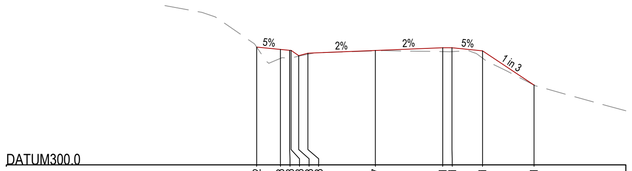
CH 140.000



DATUM300.0

DESIGN SURFACE	301.318 301.286 301.286 301.241	301.285	301.329 301.329	301.279	301.001	
DEPTH	0.000 0.208 0.245 0.253	0.079	0.100 0.112	0.098	0.000	
EXISTING SURFACE	301.318 301.078 301.041 300.988	301.206	301.230 301.217	301.181	301.001	
OFFSET	-3.138 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	3.500	4.334	

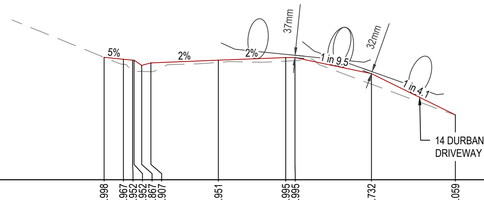
CH 220.000



DATUM300.0

DESIGN SURFACE	301.922	301.883 301.868 301.868 301.823	301.867	301.911 301.911	301.861	301.301
DEPTH	0.000	0.146 0.122 0.121 0.070 0.019	0.007	0.053 0.064	0.119	0.000
EXISTING SURFACE	301.922	301.738 301.746 301.747 301.753 301.805	301.861	301.848 301.847	301.742	301.301
OFFSET	-3.872	-3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	3.500	5.180

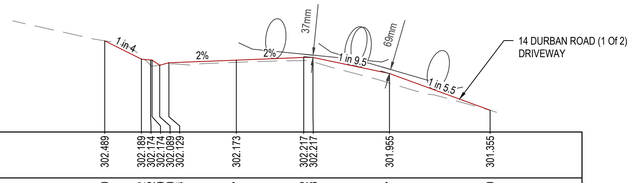
CH 200.000



DATUM300.0

DESIGN SURFACE	301.998	301.967 301.952 301.952 301.907	301.951	301.995 301.995	301.732	301.059
DEPTH	0.000	0.083 0.169 0.182 0.091 0.141	0.035	0.060 0.053	0.172	0.000
EXISTING SURFACE	301.998	301.883 301.782 301.770 301.768	301.915	301.935 301.942	301.560	301.059
OFFSET	-3.732	-3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	5.000	7.740

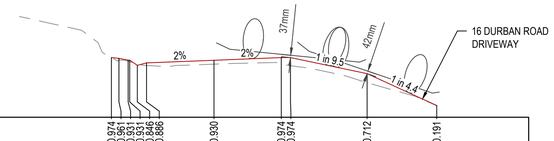
CH 194.752



DATUM301.0

DESIGN SURFACE	302.489	302.189 302.174 302.174 302.089 302.052	302.173	302.217 302.217	301.955	301.355
DEPTH	0.000	-0.042 0.092 0.069 0.020 0.024	0.037	0.052 0.073	0.157	0.000
EXISTING SURFACE	302.489	302.231 302.083 302.076 302.069 302.160	302.137	302.166 302.145	301.798	301.355
OFFSET	-4.297	-3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	5.000	8.285

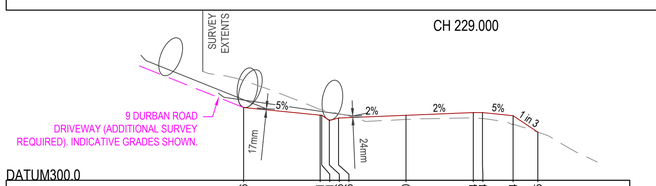
CH 182.000



DATUM300.0

DESIGN SURFACE	300.974 300.967 300.931 300.941 300.886	300.930	300.974 300.974	300.712	300.191	
DEPTH	0.000 0.000 0.018 0.026 0.040	0.064	0.101 0.133	0.147	0.000	
EXISTING SURFACE	300.974 300.967 300.913 300.915 300.846	300.867	300.873 300.842	300.564	300.191	
OFFSET	-3.347 -3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	5.000	7.277	

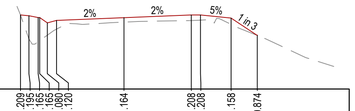
CH 229.000



DATUM300.0

DESIGN SURFACE	301.186	301.061 301.065 301.076 301.016	301.060	301.104 301.104	301.054	300.785
DEPTH	-0.441	-0.095 -0.089 -0.146 -0.072	0.069	0.089 0.097	0.138	0.000
EXISTING SURFACE	301.628	301.157 301.155 301.223 301.089	300.992	301.016 301.007	300.917	300.785
OFFSET	-5.300	-2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	3.500	4.308

CH 225.700



DATUM300.0

DESIGN SURFACE	301.209 301.195 301.165 301.165 301.120	301.164	301.208 301.208	301.158	300.874	
DEPTH	0.000 0.379 0.395 0.377 0.272 0.143	0.073	0.091 0.084	0.103	0.000	
EXISTING SURFACE	301.209 300.817 300.771 300.789 300.978	301.091	301.117 301.124	301.056	300.874	
OFFSET	-3.378 -3.100 -2.800 -2.750 -2.500 -2.200	0.000	2.200 2.500	3.500	4.354	

CH 223.064

WARNING
BEWARE - UNDERGROUND SERVICES
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BEFORE YOU DIG www.byda.com.au Zero Damage - Zero Harm

VER.	DATE	AMENDMENT
03	26-06-24	TENDER ISSUE
02	03-04-24	REVISED ALIGNMENT - COUNCIL COMMENTS
01	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	06-02-24	PRELIMINARY ALIGNMENT

CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

Quality Management System ISO 9001 trust-mark.com®

PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
ROAD CROSS SECTIONS - DURBAN ROAD

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 510

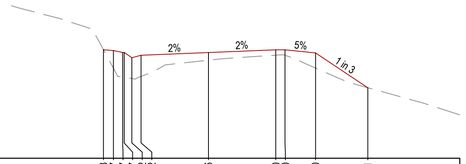
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PRINTED: 26/06/2024 BY: MATTHEW ASHDOWN

EXISTING SERVICES:
1. COVER TO THE EXISTING WATER MAIN ON THE NORTHERN SIDE OF DURBAN ROAD WILL BE REDUCED AS A RESULT OF DRIVEWAY GRADING. RELOCATION OF WATER MAIN TO BE ADVISED BY COUNCIL.

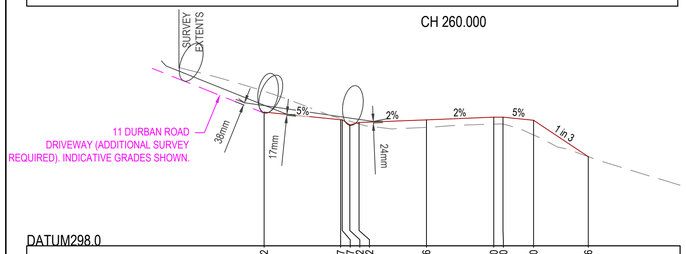
ROAD CROSS SECTIONS DURBAN ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



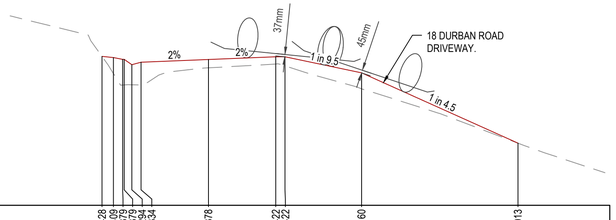
DATUM298.0						
DESIGN SURFACE	299.773	299.757	299.727	299.642	299.726	299.770	299.770	299.720	299.151
DEPTH	0.000	0.288	0.288	0.402	0.340	0.345	0.125	0.087	0.088	0.247	0.000
EXISTING SURFACE	299.773	299.469	299.439	299.325	299.302	299.307	299.601	299.682	299.681	299.472	299.151
OFFSET	-3.428	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500	5.206

CH 260.000



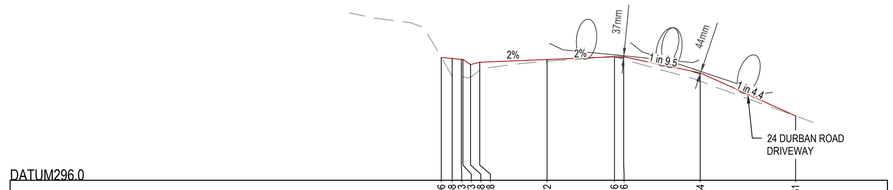
DATUM298.0									
DESIGN SURFACE	300.182	300.057	300.057	299.972	300.012	300.056	300.100	300.100	300.050	299.456
DEPTH	-0.342	-0.020	-0.013	-0.062	-0.022	0.122	0.114	0.111	0.240	0.000
EXISTING SURFACE	300.525	300.078	300.070	300.034	299.990	299.934	299.986	299.989	299.811	299.456
OFFSET	-5.300	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500	5.284

CH 251.200



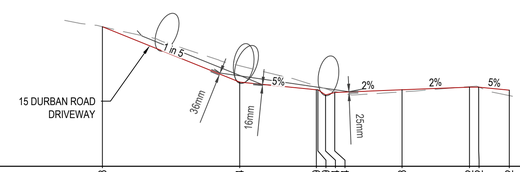
DATUM298.0									
DESIGN SURFACE	300.428	300.409	300.379	300.334	300.378	300.422	300.422	300.160	299.013
DEPTH	0.000	0.262	0.447	0.417	0.329	0.373	0.156	0.117	0.148	0.260	0.000
EXISTING SURFACE	300.428	300.147	299.961	299.963	299.965	299.961	300.242	300.305	300.275	299.900	299.013
OFFSET	-3.474	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	5.000	10.106

CH 243.000



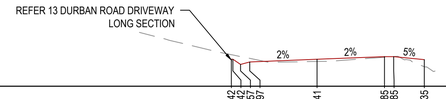
DATUM296.0									
DESIGN SURFACE	298.006	297.988	297.973	297.913	297.888	297.928	297.972	298.016	298.016	297.754	297.051
DEPTH	0.000	0.269	0.283	0.286	0.199	0.129	0.029	-0.003	0.039	0.132	-0.001
EXISTING SURFACE	298.006	297.719	297.693	297.627	297.689	297.799	297.943	298.019	297.977	297.621	297.052
OFFSET	-3.454	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	5.000	8.113

CH 315.000



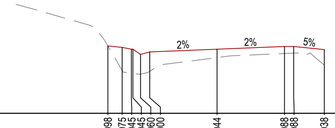
DATUM297.0						
DESIGN SURFACE	299.278	298.374	298.249	298.164	298.248	298.292	298.292	298.242
DEPTH	0.000	-0.266	-0.063	-0.055	-0.101	-0.018	0.033	-0.008	-0.003	0.088
EXISTING SURFACE	299.278	298.640	298.312	298.219	298.265	298.222	298.214	298.300	298.295	298.154
OFFSET	-9.783	-5.300	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500

CH 306.276



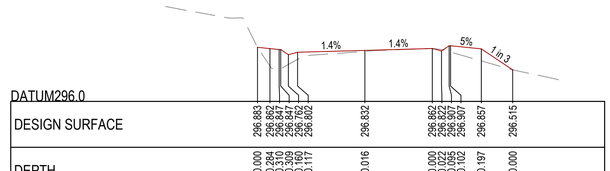
DATUM298.0						
DESIGN SURFACE	298.442	298.442	298.357	298.397	298.441	298.485	298.485	298.435
DEPTH	-0.074	-0.069	-0.129	-0.059	0.035	0.011	-0.000	0.116
EXISTING SURFACE	298.515	298.510	298.486	298.455	298.405	298.474	298.485	298.319
OFFSET	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500

CH 300.000



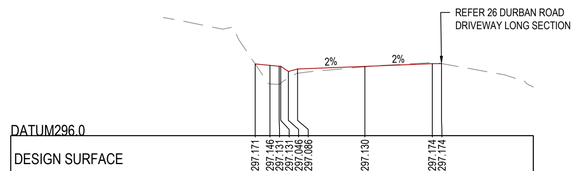
DATUM298.0						
DESIGN SURFACE	299.098	299.075	299.045	298.960	299.044	299.088	299.088	299.038
DEPTH	0.000	0.378	0.392	0.323	0.316	0.136	0.114	0.107
EXISTING SURFACE	299.098	298.698	298.654	298.638	298.684	298.908	298.974	298.981
OFFSET	-3.563	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500

CH 280.000



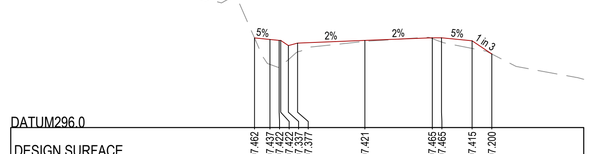
DATUM296.0									
DESIGN SURFACE	296.883	296.862	296.847	296.762	296.802	296.832	296.862	296.862	296.907	296.857	296.515
DEPTH	0.000	0.284	0.310	0.160	0.117	0.016	-0.000	0.055	0.102	0.197	0.000
EXISTING SURFACE	296.883	296.578	296.538	296.602	296.685	296.816	296.863	296.807	296.805	296.661	296.515
OFFSET	-3.507	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	2.749	3.799	4.826

CH 348.591



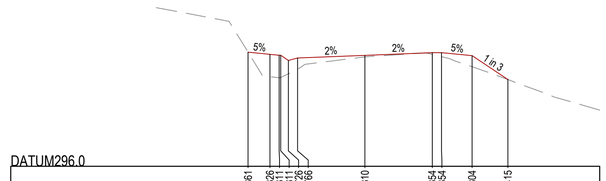
DATUM296.0								
DESIGN SURFACE	297.171	297.146	297.131	297.111	297.045	297.086	297.130	297.174	297.174
DEPTH	0.000	0.304	0.294	0.171	0.109	0.069	0.007	-0.018	-0.002
EXISTING SURFACE	297.171	296.843	296.837	296.940	296.936	297.018	297.124	297.192	297.176
OFFSET	-3.585	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500

CH 340.000



DATUM296.0								
DESIGN SURFACE	297.462	297.437	297.422	297.337	297.377	297.421	297.465	297.465	297.415	297.200
DEPTH	0.000	0.407	0.441	0.230	0.144	0.017	0.015	0.069	0.124	0.000
EXISTING SURFACE	297.462	297.031	296.982	297.108	297.233	297.404	297.451	297.396	297.291	297.200
OFFSET	-3.605	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500	4.144

CH 331.596



DATUM296.0								
DESIGN SURFACE	297.861	297.826	297.811	297.726	297.766	297.810	297.854	297.854	297.804	297.415
DEPTH	0.000	0.365	0.366	0.216	0.184	0.025	0.029	0.066	0.179	0.000
EXISTING SURFACE	297.861	297.461	297.445	297.509	297.581	297.784	297.825	297.788	297.625	297.415
OFFSET	-3.815	-3.100	-2.800	-2.750	-2.500	-2.200	0.000	2.200	2.500	3.500	4.666

CH 320.000

WARNING
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CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD
SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
ROAD CROSS SECTIONS - DURBAN ROAD

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 511

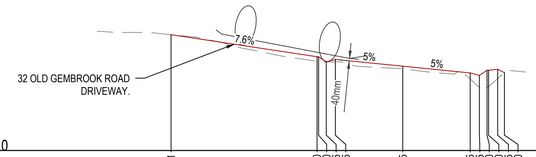
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EXISTING SERVICES:
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ROAD CROSS SECTIONS DURBAN ROAD

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



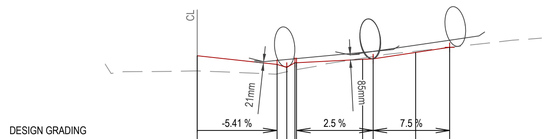
DATUM293.0

| | | |

DRIVEWAY LONGITUDINAL SECTIONS

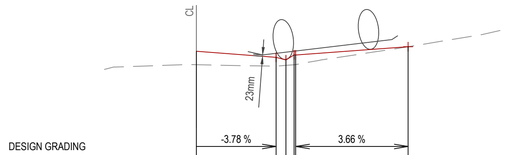
2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1

NOTES:
1. DRIVEWAY LONGITUDINAL SECTIONS SHOWN ON THIS SHEET ARE THOSE THAT ARE NOT PERPENDICULAR TO THE ROAD CENTERLINE. REFER ROAD CROSS SECTIONS FOR PERPENDICULAR DRIVEWAYS.



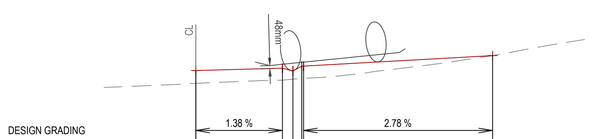
DESIGN GRADING							
HORIZONTAL GEOMETRY							
DATUM 311							
DESIGN CENTRELINE	313.22	313.08	313.03	313.11	313.16	313.27	313.36
EXISTING SURFACE		312.92	312.96	312.99	313.18	313.29	313.36
DEPTH		0.155	0.071	0.120	-0.019	-0.020	0.000
CHAINAGE	0.00	2.61	2.93	3.25	5.40	7.14	8.25

6 OLD GEMBROOK ROAD



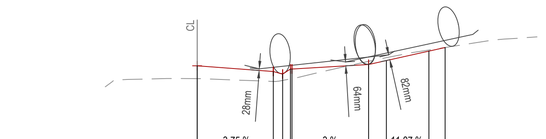
DESIGN GRADING					
HORIZONTAL GEOMETRY					
DATUM 301					
DESIGN CENTRELINE	303.55	303.45	303.41	303.49	303.63
EXISTING SURFACE		303.31	303.32	303.34	303.63
DEPTH		0.144	0.089	0.156	0.000
CHAINAGE	0.00	2.61	2.93	3.25	6.92

20 OLD GEMBROOK ROAD



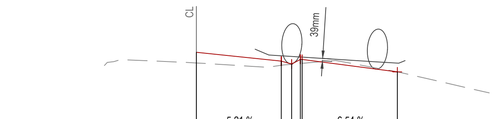
DESIGN GRADING					
HORIZONTAL GEOMETRY					
DATUM 299					
DESIGN CENTRELINE	300.98	301.02	301.07	301.05	301.22
EXISTING SURFACE	300.77	300.82	300.84	300.85	301.22
DEPTH	0.208	0.196	0.233	0.201	-0.000
CHAINAGE	0.00	2.83	3.17	3.46	9.69

28 OLD GEMBROOK ROAD



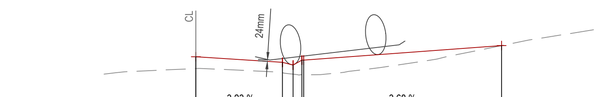
DESIGN GRADING							
HORIZONTAL GEOMETRY							
DATUM 315							
DESIGN CENTRELINE	317.34	317.25	317.21	317.29	317.36	317.43	317.58	317.64
EXISTING SURFACE	317.13	317.09	317.10	317.13	317.42	317.48	317.60	317.64
DEPTH	0.210	0.161	0.103	0.158	-0.052	-0.046	-0.018	-0.000
CHAINAGE	0.00	2.49	2.75	3.10	5.60	6.18	7.57	8.10

4 OLD GEMBROOK ROAD



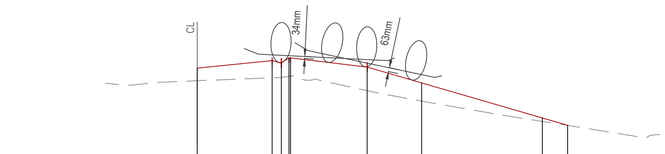
DESIGN GRADING					
HORIZONTAL GEOMETRY					
DATUM 305					
DESIGN CENTRELINE	307.24	307.09	307.04	307.12	306.92
EXISTING SURFACE		307.02	307.04	307.06	306.92
DEPTH		0.067	0.002	0.068	-0.000
CHAINAGE	0.00	2.77	3.11	3.40	6.56

13 OLD GEMBROOK ROAD



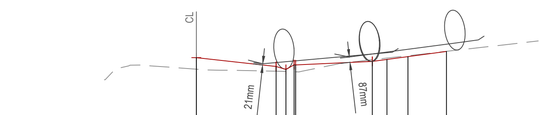
DESIGN GRADING					
HORIZONTAL GEOMETRY					
DATUM 300					
DESIGN CENTRELINE	301.81	301.71	301.67	301.75	301.99
EXISTING SURFACE	301.61	301.54	301.52	301.51	301.99
DEPTH	0.192	0.170	0.148	0.238	-0.000
CHAINAGE	0.00	2.83	3.18	3.46	9.98

26 OLD GEMBROOK ROAD



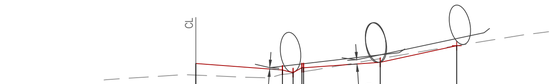
DESIGN GRADING						
HORIZONTAL GEOMETRY						
DATUM 315						
DESIGN CENTRELINE	317.99	318.11	318.07	318.16	318.01	317.75	317.18	317.06
EXISTING SURFACE		317.83	317.84	317.86	317.62	317.45	317.12	317.06
DEPTH		0.281	0.203	0.299	0.385	0.297	0.056	0.000
CHAINAGE	0.00	2.45	2.70	3.05	5.55	7.33	11.27	12.10

1 OLD GEMBROOK ROAD



DESIGN GRADING						
HORIZONTAL GEOMETRY						
DATUM 309						
DESIGN CENTRELINE	311.52	311.38	311.33	311.41	311.46	311.50	311.54	311.63
EXISTING SURFACE	311.34	311.30	311.30	311.29	311.49	311.52	311.56	311.63
DEPTH	0.187	0.076	0.031	0.112	-0.027	-0.022	-0.014	-0.001
CHAINAGE	0.00	2.61	2.93	3.25	5.75	6.23	6.91	8.17

8 OLD GEMBROOK ROAD



DESIGN GRADING						
HORIZONTAL GEOMETRY						
DATUM 301						
DESIGN CENTRELINE	302.92	302.82	302.77	302.85	302.94	303.21
EXISTING SURFACE		302.75	302.77	302.79	303.00	303.21
DEPTH		0.072	0.000	0.068	-0.061	-0.000
CHAINAGE	0.00	2.83	3.17	3.46	6.02	8.52

22 OLD GEMBROOK ROAD

WARNING
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CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au
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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
DRIVEWAY LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 513

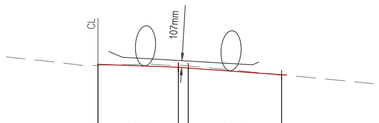
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PRINTED: 26/06/2024 BY: MATTHEW ASHDO

DRIVEWAY LONGITUDINAL SECTIONS

2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1

NOTES:
1. DRIVEWAY LONGITUDINAL SECTIONS SHOWN ON THIS SHEET ARE THOSE THAT ARE NOT PERPENDICULAR TO THE ROAD CENTERLINE. REFER ROAD CROSS SECTIONS FOR PERPENDICULAR DRIVEWAYS.



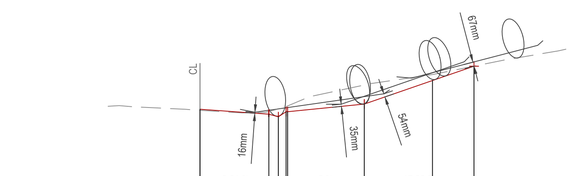
DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 308

DESIGN CENTRELINE	310.17	310.13	310.11		310.00
EXISTING SURFACE		310.16	310.15		310.00
DEPTH		-0.033	-0.035		0.000
CHAINAGE	0.00	2.62	2.94		6.00

11-1 SHERRIF ROAD



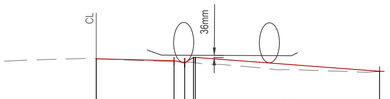
DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 301

DESIGN CENTRELINE	303.31	303.22	303.18	303.27	303.39	303.78	304.01
EXISTING SURFACE		303.27	303.31	303.35	303.70	303.87	304.01
DEPTH		-0.044	-0.127	-0.084	-0.311	-0.088	-0.000
CHAINAGE	0.00	2.25	2.56	2.81	5.36	7.59	8.95

1-2 DURBAN ROAD



DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 307

DESIGN CENTRELINE	308.87	308.84	308.81	308.89	308.67
EXISTING SURFACE		308.83	308.82	308.81	308.67
DEPTH		0.018	-0.014	0.083	0.000
CHAINAGE	0.00	2.54	2.89	3.17	9.25

12 OLD GEMBROOK ROAD



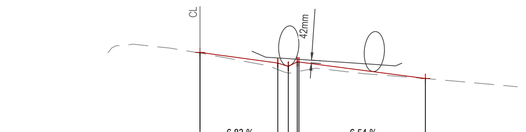
DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 309

DESIGN CENTRELINE	311.10	311.05	311.04	311.00	310.92	310.88
EXISTING SURFACE	311.09	310.99	310.97	310.92	310.88	310.88
DEPTH	0.012	0.062	0.066	0.081	0.037	0.000
CHAINAGE	0.00	2.61	2.93	3.80	6.01	7.10

9-2 SHERRIF ROAD



DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 304

DESIGN CENTRELINE	306.44	306.27	306.22	306.29	306.02
EXISTING SURFACE	306.43	306.17	306.11	306.13	306.02
DEPTH	0.010	0.104	0.107	0.153	-0.000
CHAINAGE	0.00	2.54	2.89	3.23	7.36

1-1 DURBAN ROAD



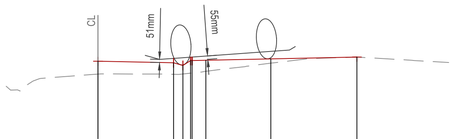
DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 300

DESIGN CENTRELINE	301.75	301.69	301.74	301.85	302.32
EXISTING SURFACE	301.73	301.75	301.78	302.07	302.32
DEPTH	0.020	-0.064	-0.043	-0.217	-0.000
CHAINAGE	0.00	2.30	2.67	5.43	7.87

7 DURBAN ROAD



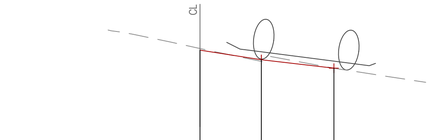
DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 293

DESIGN CENTRELINE	295.82	295.80	295.75	295.83	295.94	295.86	295.89
EXISTING SURFACE	295.61	295.61	295.63	295.63	295.66	295.79	295.89
DEPTH	0.209	0.189	0.107	0.207	0.283	0.070	0.000
CHAINAGE	0.00	2.47	2.77	3.02	3.07	3.92	5.64	8.45

34 OLD GEMBROOK ROAD



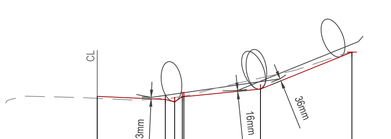
DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 303

DESIGN CENTRELINE	306.02	305.86	305.72
EXISTING SURFACE		305.84	305.72
DEPTH		0.027	0.000
CHAINAGE	0.00	2.00	4.37

11-2 SHERRIF ROAD



DESIGN GRADING

HORIZONTAL GEOMETRY

DATUM 300

DESIGN CENTRELINE	302.25	302.20	302.16	302.24	302.37	302.97
EXISTING SURFACE		302.21	302.23	302.25	302.55	
DEPTH		-0.015	-0.070	-0.007	-0.181	
CHAINAGE	0.00	2.22	2.52	2.78	2.83	5.33	8.32

5 DURBAN ROAD

WARNING

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CAD FILE: 31846_C5
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17

OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD

DRIVEWAY LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 514

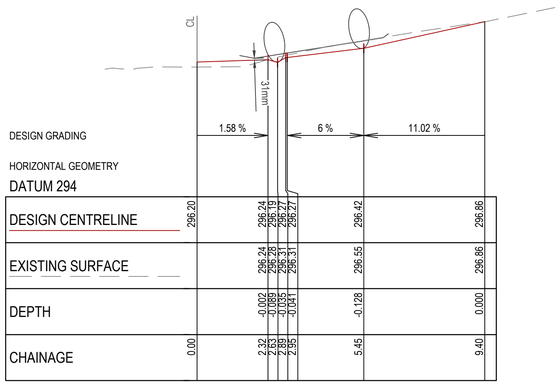
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NOTES:
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DRIVEWAY LONGITUDINAL SECTIONS

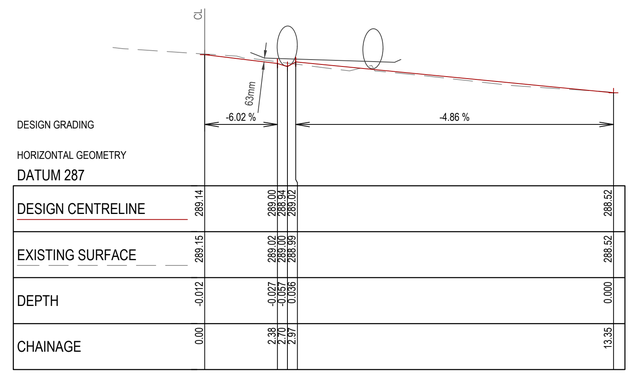
2 1 0 2 4 Hor 1:100
1 0.5 0 1 2 Ver 1:50
Original sheet size A1



HORIZONTAL GEOMETRY
DATUM 294

DESIGN CENTRELINE	296.20	296.24 / 296.19 / 296.27 / 296.27	296.42	296.86
EXISTING SURFACE		296.24 / 296.20 / 296.31 / 296.31	296.55	296.86
DEPTH		-0.002 / -0.005 / -0.035 / -0.041	-0.128	0.000
CHAINAGE	0.00	2.32 / 2.62 / 2.89 / 2.95	5.45	9.40

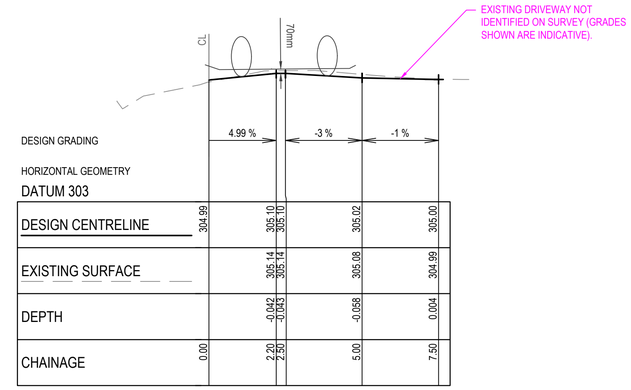
17 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 287

DESIGN CENTRELINE	289.14	289.00 / 288.94 / 289.02	288.52	288.52
EXISTING SURFACE	289.15	289.02 / 289.00 / 288.99	288.52	288.52
DEPTH	-0.012	-0.027 / -0.057 / 0.036	0.000	0.000
CHAINAGE	0.00	2.38 / 2.70 / 2.97	13.35	13.35

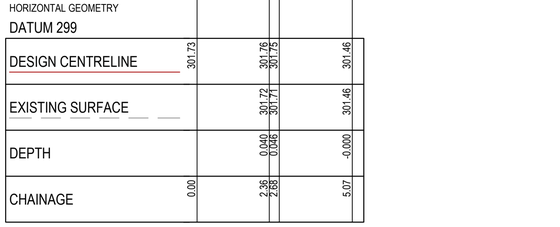
31 EMERALD LAKE ROAD



HORIZONTAL GEOMETRY
DATUM 303

DESIGN CENTRELINE	304.99	305.10 / 305.10	305.02	305.00
EXISTING SURFACE		305.14 / 305.14	305.08	304.99
DEPTH		-0.042 / -0.043	-0.058	0.004
CHAINAGE	0.00	2.20 / 2.50	5.00	7.50

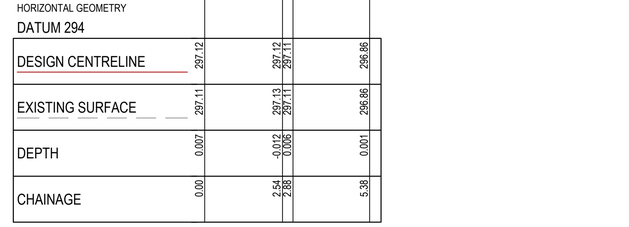
4-2 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 299

DESIGN CENTRELINE	301.73	301.76 / 301.75	301.46	301.46
EXISTING SURFACE		301.72 / 301.71	301.46	301.46
DEPTH		0.040 / 0.046	-0.000	-0.000
CHAINAGE	0.00	2.36 / 2.68	5.07	5.07

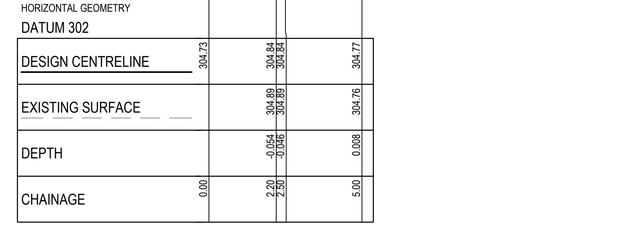
16-1 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 294

DESIGN CENTRELINE	297.12	297.12 / 297.11	296.86	296.86
EXISTING SURFACE	297.11	297.13 / 297.11	296.86	296.86
DEPTH	0.007	-0.012 / -0.006	0.001	0.001
CHAINAGE	0.00	2.54 / 2.88	5.38	5.38

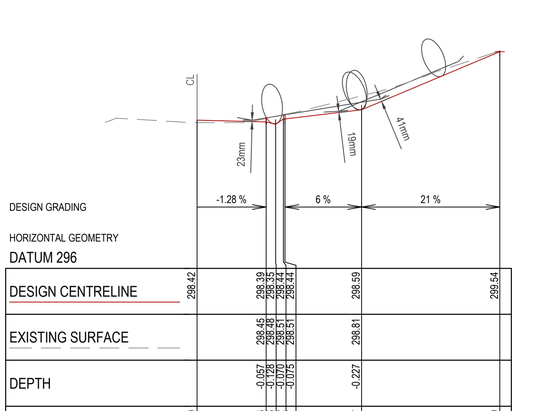
24-2 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 302

DESIGN CENTRELINE	304.73	304.84 / 304.84	304.77	304.77
EXISTING SURFACE		304.89 / 304.89	304.76	304.76
DEPTH		-0.054 / -0.046	0.008	0.008
CHAINAGE	0.00	2.20 / 2.50	5.00	5.00

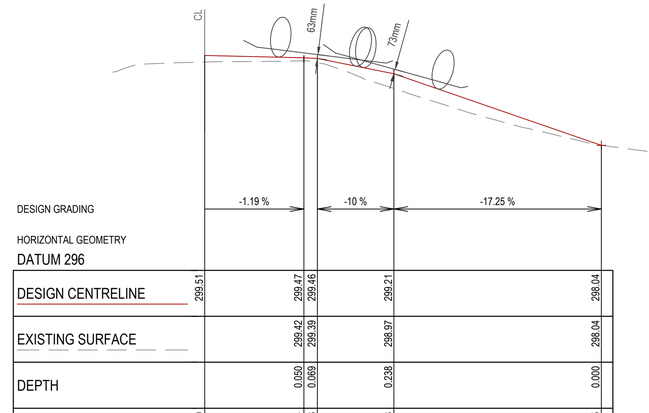
6 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 296

DESIGN CENTRELINE	298.42	298.39 / 298.35 / 298.44 / 298.44	298.59	299.54
EXISTING SURFACE		298.45 / 298.48 / 298.51 / 298.51	298.81	
DEPTH		-0.057 / -0.128 / -0.070 / -0.075	-0.227	
CHAINAGE	0.00	2.26 / 2.56 / 2.82 / 2.87	5.37	9.89

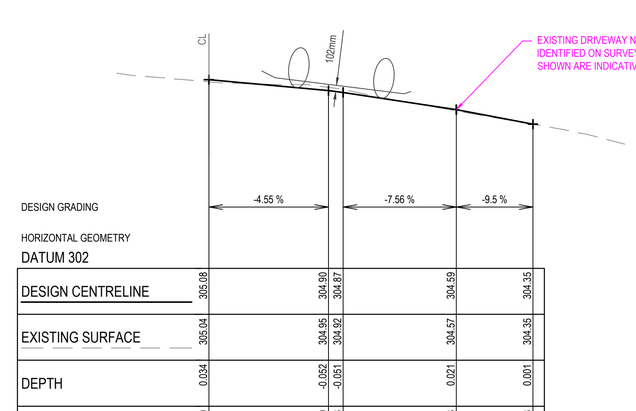
13 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 296

DESIGN CENTRELINE	299.51	299.47 / 299.46	299.21	298.04
EXISTING SURFACE		299.42 / 299.39	298.97	298.04
DEPTH		0.050 / 0.069	0.238	0.000
CHAINAGE	0.00	3.24 / 3.68	6.18	12.95

20 DURBAN ROAD



HORIZONTAL GEOMETRY
DATUM 302

DESIGN CENTRELINE	305.08	304.90 / 304.87	304.59	304.35
EXISTING SURFACE	305.04	304.95 / 304.92	304.57	304.35
DEPTH	0.034	-0.052 / -0.051	0.021	0.001
CHAINAGE	0.00	3.90 / 4.38	8.08	10.58

8 DURBAN ROAD

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
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EMERALD
DRIVEWAY LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 03
DWG No. 31846
SHEET No. 515

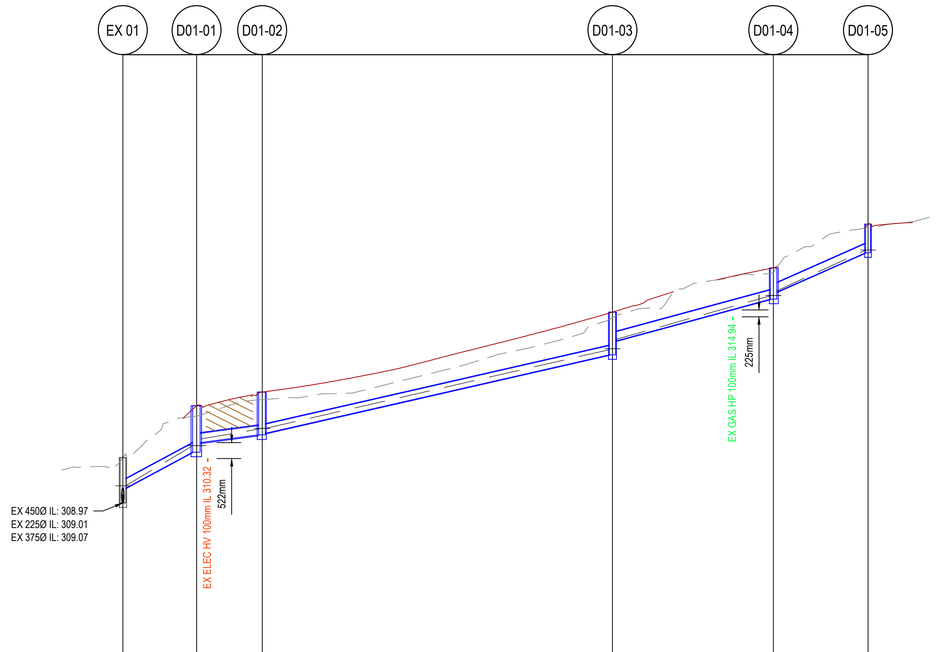
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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

RCP = REINFORCED CONCRETE PIPE
PP = POLYPROPOLENE PIPE

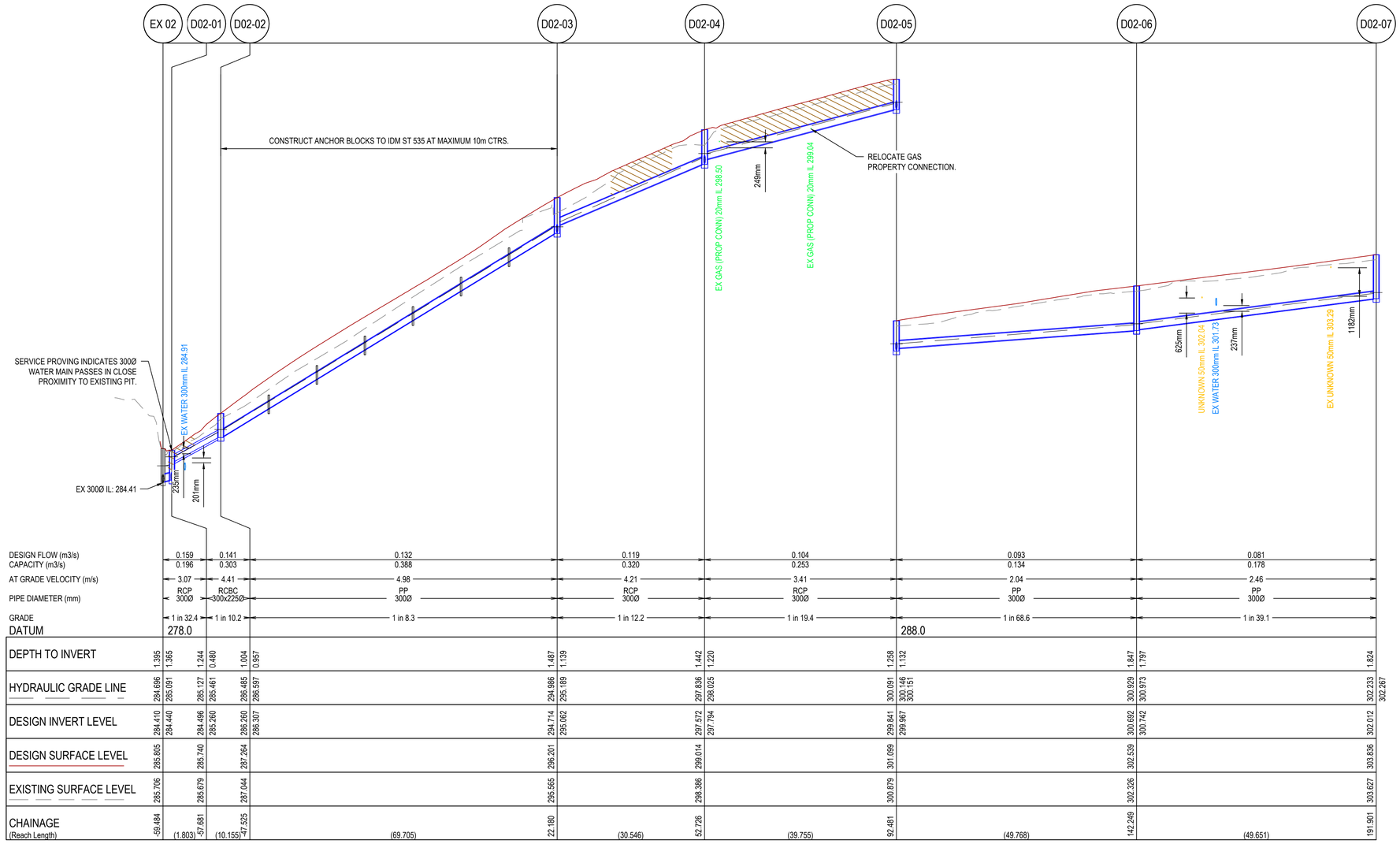


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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

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D02

DRAINAGE LONGITUDINAL SECTION

10 5 0 10 20 Hor 1:500
2 1 0 2 4 Ver 1:100
Original sheet size A1

WARNING
BEWARE - UNDERGROUND SERVICES
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Zero Damage - Zero Harm

VER.	DATE	AMENDMENT
02	26-06-24	TENDER ISSUE
01	03-04-24	REVISED ALIGNMENT - COUNCIL COMMENTS
00	20-03-24	REVISED ALIGNMENT - COUNCIL COMMENTS

CAD FILE: 31846_C6
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

JCA Land Consultants
Surveying - Engineering - Town Planning
Suite 9, 303 Maroondah Highway
Ringwood Victoria, Australia 3134
Phone 03 9735 4888 Email jca@jcalc.com.au www.jcalc.com.au

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
DRAINAGE LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 602

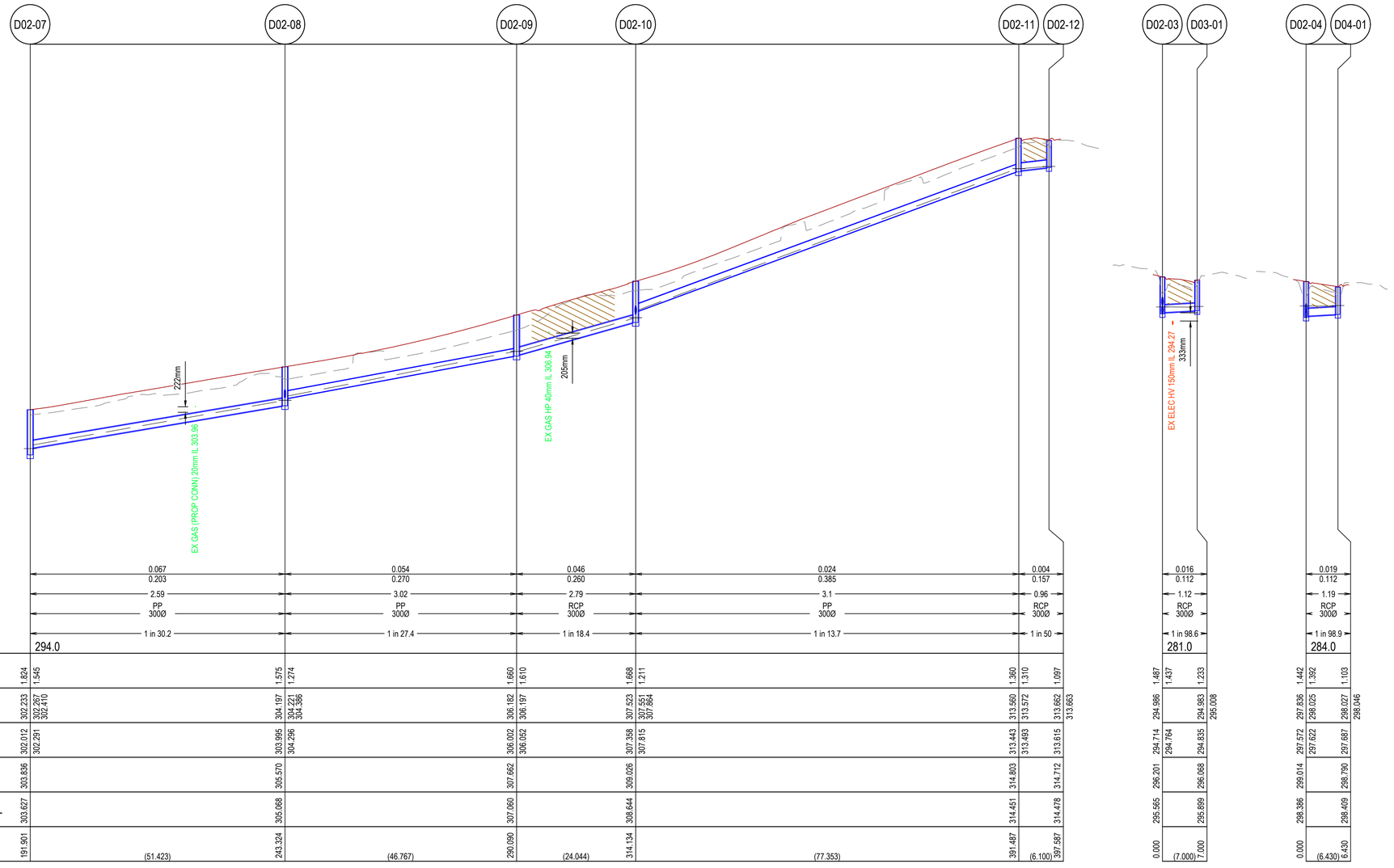
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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

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D02 D03 D04

DRAINAGE LONGITUDINAL SECTION

10 5 0 10 20 Hor 1:500
2 1 0 2 4 Ver 1:100
Original sheet size A1

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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
DRAINAGE LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 603

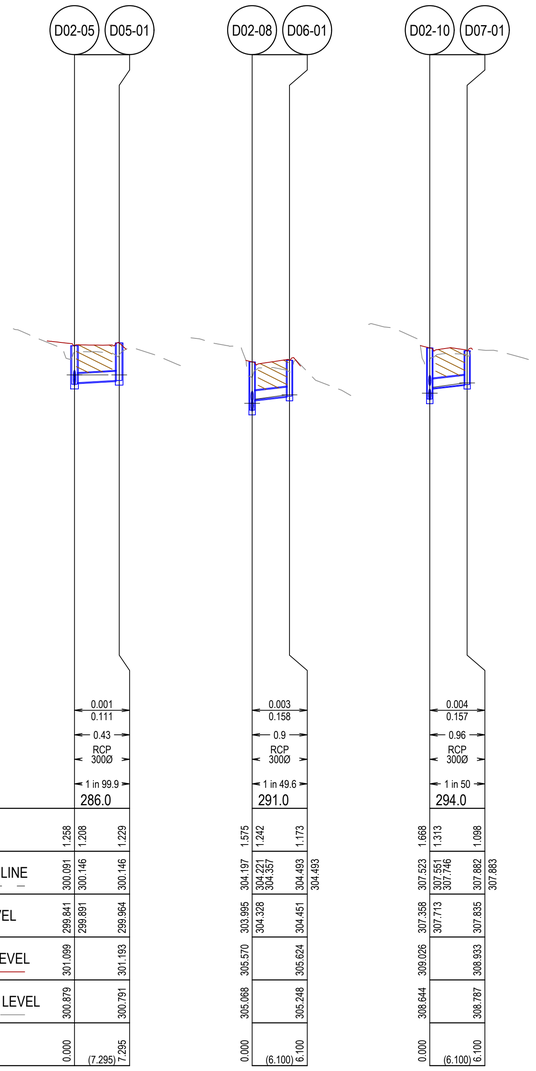
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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

RCP = REINFORCED CONCRETE PIPE
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	D05			D06			D07		
DESIGN FLOW (m3/s)		0.001			0.003			0.004	
CAPACITY (m3/s)		0.111			0.158			0.157	
AT GRADE VELOCITY (m/s)		0.43			0.9			0.96	
PIPE DIAMETER (mm)		RCP 300Ø			RCP 300Ø			RCP 300Ø	
GRADE		1 in 99.9			1 in 49.6			1 in 50	
DATUM		286.0			291.0			294.0	
DEPTH TO INVERT	1.258	1.208	1.229	1.575	1.242	1.173	1.668	1.313	1.098
HYDRAULIC GRADE LINE	300.091	300.146	300.146	304.197	304.221 304.351	304.493	307.523	307.551 307.746	307.882
DESIGN INVERT LEVEL	299.841	299.891	299.964	303.995	304.328	304.451	307.358	307.713	307.835
DESIGN SURFACE LEVEL	301.099		301.193	305.570		305.624	309.026		308.933
EXISTING SURFACE LEVEL	300.879		300.791	305.068		305.248	308.644		308.787
CHAINAGE (Reach Length)	0.000	(7.295)	7.295	0.000	(6.100)	6.100	0.000	(6.100)	6.100

DRAINAGE LONGITUDINAL SECTION

10 5 0 10 20 Hor 1:500
2 1 0 2 4 Ver 1:100
Original sheet size A1

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DATE: 26/06/2024
DATUM AHD

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
DRAINAGE LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 604

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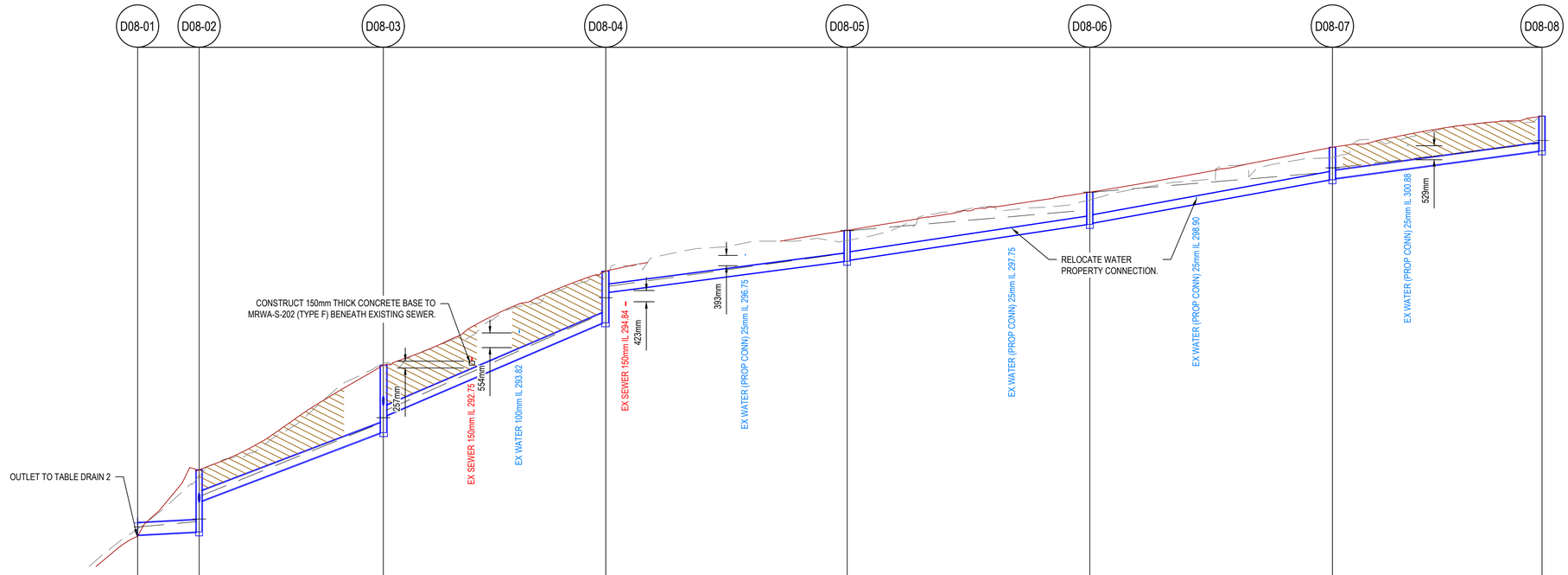
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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

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SEWER PROTECTION NOTES:
1. NO MORE THAN 1 PIPE JOINT SHALL BE EXPOSED AT ANY ONE TIME.
2. EXISTING SEWER SHALL BE TEMPORARY SUPPORTED DURING CONSTRUCTION, FROM SURFACE, VIA TIMBERS AND SOFT SLINGS.
3. PIPE EMBEDMENT FOR SEWER SHALL BE IN ACCORDANCE WITH MRWA-S-202 (TYPE F).



DESIGN FLOW (m3/s)		0.311	0.309	0.306	0.206	0.182	0.178	0.147
CAPACITY (m3/s)		0.402	0.547	0.579	0.225	0.242	0.267	0.181
AT GRADE VELOCITY (m/s)		2.77	5.09	5.31	3.58	3.73	4.03	2.84
PIPE DIAMETER (mm)		PP 450Ø	PP 375Ø	RCP 375Ø	PP 300Ø	PP 300Ø	PP 300Ø	RCP 300Ø
GRADE		1 in 100	1 in 13.5	1 in 12	1 in 39	1 in 34.1	1 in 28.1	1 in 38
DATUM	280.0							
DEPTH TO INVERT	0.450	0.450 2.346	1.175 2.549	1.899 1.952	0.798 1.168	1.118 1.215	1.164 1.227	1.177 1.312
HYDRAULIC GRADE LINE	286.489	286.693	286.790 287.679 290.415	290.615 290.896 294.560	295.148 295.579 296.814	297.676 298.454	299.129 299.888	300.050 300.971 301.082
DESIGN INVERT LEVEL	286.190 286.190	286.306	287.477 290.052	290.702 294.198	295.352 296.520	296.570 297.914	297.965 299.598	299.648 300.690
DESIGN SURFACE LEVEL	286.640	288.652	292.601	296.150	297.688	299.129	300.825	302.002
EXISTING SURFACE LEVEL	286.411	288.409	292.663	296.124	297.303	298.843	300.428	302.056
CHAINAGE (Reach Length)	0.000	(11.616) 11.616	(34.797) 46.413	(42.045) 88.458	(45.609) 134.067	(45.852) 179.919	(45.852) 225.771	(39.597) 265.368

D08

DRAINAGE LONGITUDINAL SECTION

10 5 0 10 20 Hor 1:500
2 1 0 2 4 Ver 1:100
Original sheet size A1

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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
DRAINAGE LONGITUDINAL SECTIONS

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 605

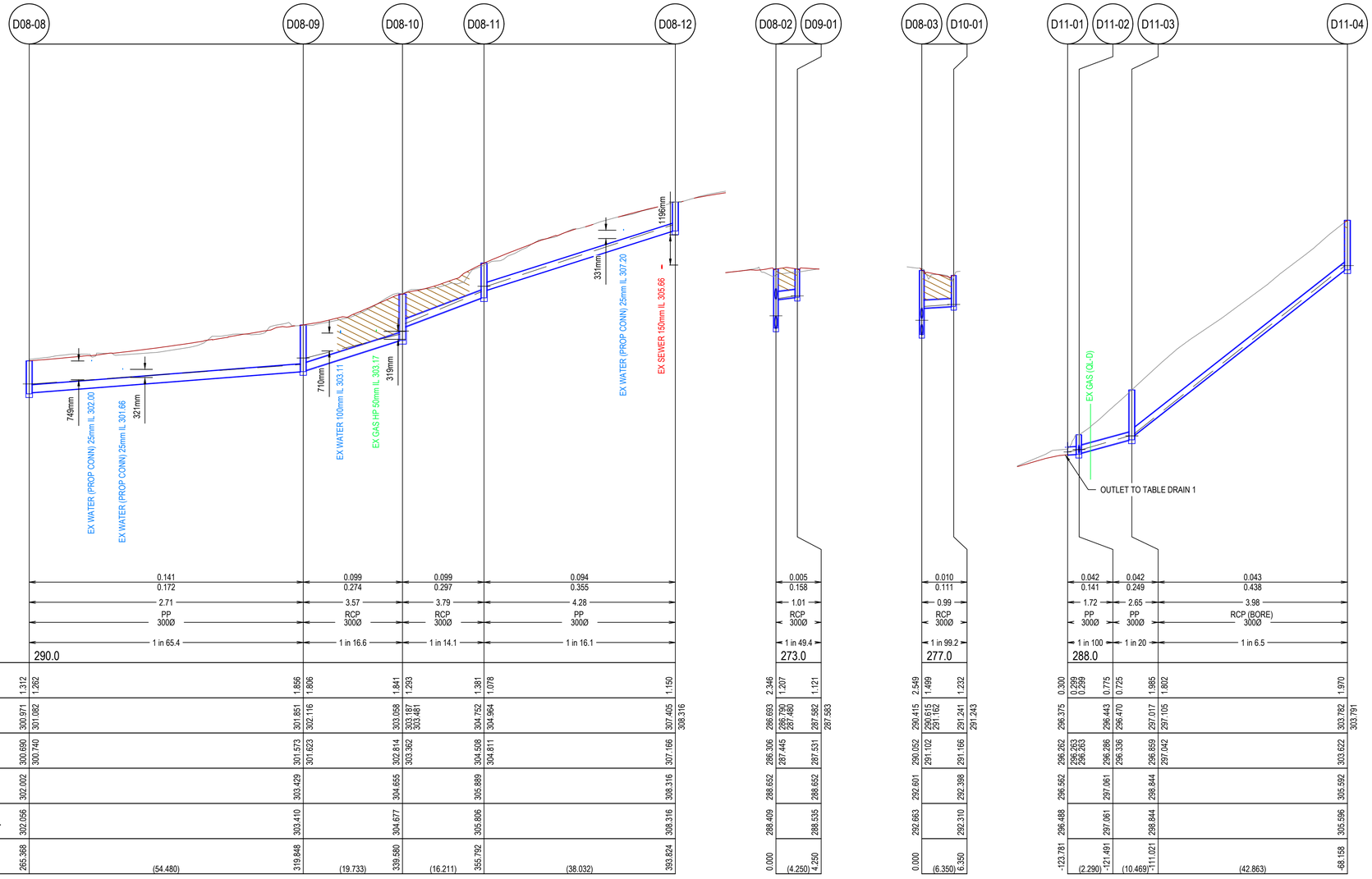
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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

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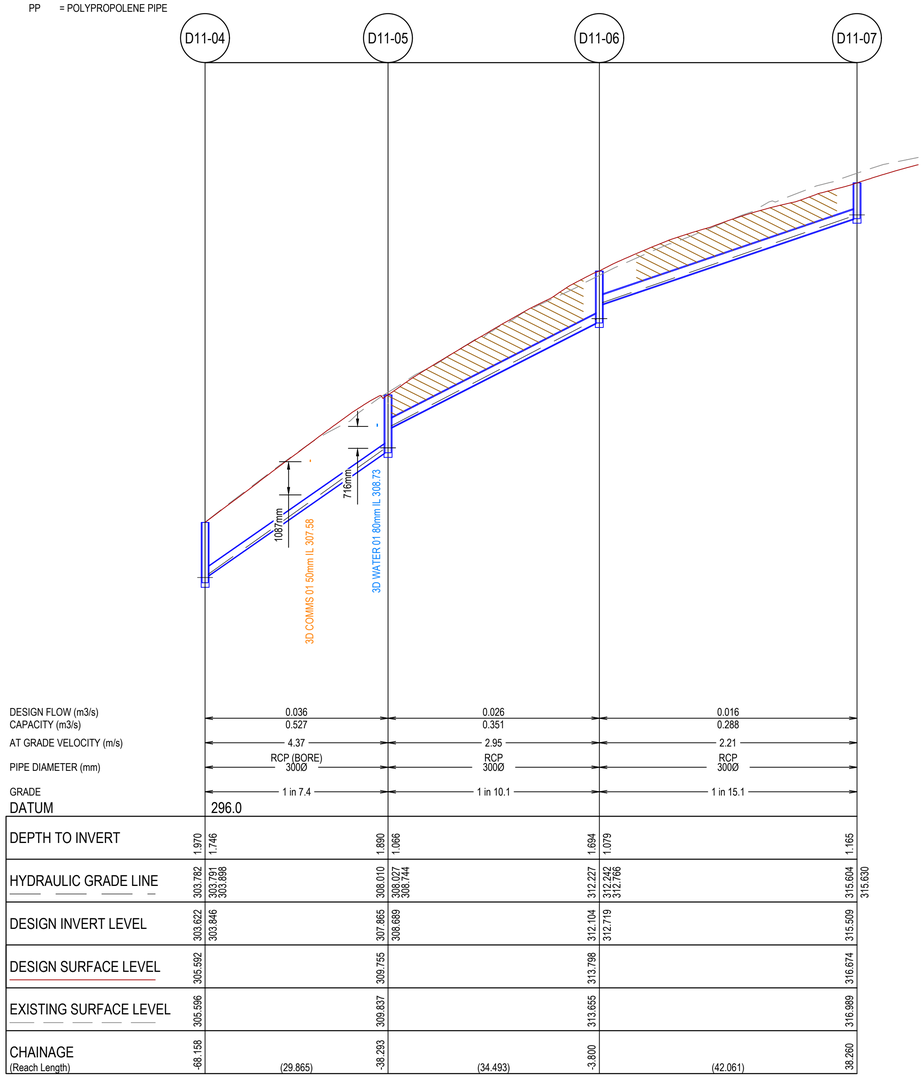


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LEGEND

FCR BACKFILL
(20mm NOMINAL SIZE CLASS 2 FCR)

RCP = REINFORCED CONCRETE PIPE
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DESIGN FLOW (m3/s)		0.036	0.026	0.016	
CAPACITY (m3/s)		0.527	0.351	0.288	
AT GRADE VELOCITY (m/s)		4.37	2.95	2.21	
PIPE DIAMETER (mm)		RCP (BORE) 300Ø	RCP 300Ø	RCP 300Ø	
GRADE		1 in 7.4	1 in 10.1	1 in 15.1	
DATUM		296.0			
DEPTH TO INVERT	1.970	1.746 1.890	1.066 1.694	1.079 1.165	
HYDRAULIC GRADE LINE	303.782	303.791 303.898	308.010 308.027 308.744	312.227 312.242 312.766	315.604 315.630
DESIGN INVERT LEVEL	303.622	303.846 307.865	308.689 312.104	312.719 315.509	
DESIGN SURFACE LEVEL	305.592	309.755	313.798	316.674	
EXISTING SURFACE LEVEL	305.596	309.837	313.655	316.989	
CHAINAGE (Reach Length)	-68.158	(29.865) -38.293	(34.493) -3.800	(42.061) 38.260	

D11

DRAINAGE LONGITUDINAL SECTION

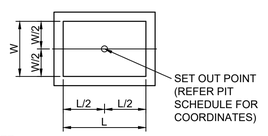
10 5 0 10 20 Hor 1:500
2 1 0 2 4 Ver 1:100
Original sheet size A1

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT				
Name	TYPE	EASTING	NORTHING	WIDTH/DIA (mm)	LENGTH (mm)	DIA (mm)	INV LEVEL	DIA (mm)	INV LEVEL	COVER RL (Approx.)	DEPTH (Approx.)	STEP IRONS	STD DWG	REMARKS
D01-01	SEP 1.5m	363519.199	5801116.008	750	1500	300	310.94	300	310.63	312.14	1.52	Y	SD1311	
D01-02	SEP	363529.843	5801114.717	750	1000	300	311.24	300	311.19	312.59	1.40	Y	SD1301	
D01-03	SEP	363578.968	5801143.969	750	1000	300	314.25	300	313.81	315.20	1.39	Y	SD1301	
D01-04	SEP	363603.716	5801152.776	750	1000	300	315.85	300	315.62	316.64	1.02	Y	SD1301	
D01-05	SEP	363616.869	5801144.682	750	1000			300	317.13	318.07	0.94		SD1301	
D02-01	JP	364130.361	5801146.984	750	1000	300x225	285.26	300	284.50	285.74	1.24	Y	SD1121	INSTALL HEAVY DUTY GATIC LID (CLASS D).
						300	284.50							
D02-02	SEP	364124.467	5801138.714	750	1000	300	286.31	300x225	286.26	287.26	1.00	Y	SD1301	
D02-03	JP	364076.654	5801087.993	750	1000	300	295.06	300	294.71	296.20	1.49	Y	SD1121	
						300	294.76							
D02-04	JP	364052.476	5801069.325	750	1000	300	297.79	300	297.57	299.01	1.44	Y	SD1121	
						300	297.62							
D02-05	GSEP	364012.804	5801066.750	750	1000	300	299.97	300	299.84	301.10	1.26	Y	SD1321	
						300	299.89							
D02-06	GSEP	363964.153	5801077.239	750	1000	300	300.74	300	300.69	302.54	1.85	Y	SD1321	
D02-07	GSEP	363915.794	5801088.490	750	1000	300	302.29	300	302.01	303.84	1.82	Y	SD1321	
D02-08	SEP	363865.589	5801099.618	750	1000	300	304.30	300	304.00	305.57	1.58	Y	SD1301	
		363865.589	5801099.618	750	1000	300	304.33			305.57	1.58			
D02-09	SEP	363819.955	5801109.847	750	1000	300	306.05	300	306.00	307.66	1.66	Y	SD1301	
D02-10	SEP	363796.493	5801115.106	750	1000	300	307.82	300	307.36	309.03	1.67	Y	SD1301	
						300	307.71							
D02-11	SEP	363721.014	5801132.025	750	1000	300	313.49	300	313.44	314.80	1.36	Y	SD1301	
D02-12	GSEP	363722.299	5801137.988	750	1000			300	313.62	314.71	1.10	Y	SD1321	
D03-01	SEP	364071.845	5801093.080	750	1000			300	294.84	296.07	1.23	Y	SD1301	
D04-01	GSEP	364048.550	5801074.417	750	1000			300	297.69	298.79	1.10	Y	SD1321	
D05-01	SEP	364010.179	5801073.556	750	1000			300	299.96	301.19	1.23	Y	SD1301	
D06-01	GSEP	363866.923	5801105.570	750	1000			300	304.45	305.62	1.17	Y	SD1321	
D07-01	GSEP	363797.827	5801121.058	750	1000			300	307.84	308.93	1.10	Y	SD1321	
D08-01	HW	364087.695	5800859.137			450	286.19			286.64	0.45		SD1921	CONSTRUCT REINFORCED CONCRETE WINGWALL.
D08-02	GP	364085.932	5800870.618	750	1000	375	287.48	450	286.31	288.65	2.35	Y	SD1121	INSTALL HEAVY DUTY BICYCLE SAFE GRATED LID.
						300	287.45							
D08-03	SEP	364081.462	5800905.127	750	1000	375	290.70	375	290.05	292.60	2.55	Y	SD1301	
							291.10							
D08-04	SEP	364053.780	5800936.773	750	1000	300	295.35	375	294.20	296.15	1.95	Y	SD1301	
D08-05	SEP	364010.235	5800950.340	750	1000	300	296.57	300	296.52	297.69	1.17	Y	SD1301	
D08-06	SEP	363967.110	5800965.914	750	1000	300	297.97	300	297.91	299.13	1.22	Y	SD1301	
D08-07	SEP	363923.984	5800981.488	750	1000	300	299.65	300	299.60	300.83	1.23	Y	SD1301	
D08-08	SEP	363885.474	5800990.706	750	1000	300	300.74	300	300.69	302.00	1.31	Y	SD1301	
D08-09	SEP	363831.104	5800994.160	750	1000	300	301.62	300	301.57	303.43	1.86	Y	SD1301	
D08-10	JP	363811.441	5800995.815	750	1000	300	303.36	300	302.81	304.66	1.84	Y	SD1121	
D08-11	SEP	363811.233	5801012.025	750	1000	300	304.81	300	304.51	305.89	1.38	Y	SD1301	
D08-12	SEP	363811.231	5801050.057	750	1000			300	307.17	308.32	1.15	Y	SD1301	
D09-01	GP	364081.735	5800869.945	750	1000			300	287.53	288.65	1.12	Y	SD1121	INSTALL HEAVY DUTY BICYCLE SAFE GRATED LID.
D10-01	SEP	364075.192	5800904.122	750	1000			300	291.17	292.40	1.23	Y	SD1301	
D11-01	EW	363625.057	5800883.638	0	0	300	296.26			296.56	0.30		SD 1991	CONSTRUCT VICROADS DRIVEABLE ENDWALL.
D11-02	JP	363622.767	5800883.647	750	1000	300	296.34	300	296.29	297.06	0.78		SD1121	RELAY EXISTING DRIVEWAY CULVERT AND CONNECT TO NEW PIT.
						300	296.34							
D11-03	JP	363622.171	5800894.100	750	1000	300	297.04	300	296.86	298.84	1.99	Y	SD1121	
D11-04	JP	363618.554	5800936.810	750	1000	300	303.85	300	303.62	305.59	1.97	Y	SD1121	
D11-05	GSEP	363615.101	5800966.475	750	1000	300	308.69	300	307.87	309.76	1.89	Y	SD1321	
D11-06	SEP	363609.645	5801000.533	750	1000	300	312.72	300	312.10	313.80	1.69	Y	SD1301	
D11-07	SEP	363608.156	5801042.567	750	1000			300	315.51	316.67	1.17	Y	SD1301	
D12-01	GSEP	363503.804	5801104.464	750	1000	EX 375	310.19	EX 375	310.19	310.74	0.55		SD1321	CONSTRUCT NEW GRATED SIDE ENTRY PIT OVER EXISTING PIPE.
EX 01	SEP	363507.187	5801116.626	600	900	300	309.45	EX 450	308.97	310.45	1.48	Y		BREAK INTO EXISTING PIT AND CONNECT NEW DRAINAGE.
						EX 375	309.07							
						EX 225	309.01							
EX 02	SEP	364131.673	5801145.747	600	900	300	284.44	EX 300	284.41	285.81	1.40	Y		BREAK INTO EXISTING PIT AND CONNECT NEW DRAINAGE.
EX 03	SEP 1.5m	364126.239	5801150.885	750	1500			EX 300	284.61	285.76	1.15	Y	SD1311	RECONSTRUCT EXISTING SIDE ENTRY PIT TO VICROADS SD1311 (1.5m WIDE).

NOTE: ALL CO-ORDINATES SHOWN ARE TO MGA94 ZONE 55

DRAINAGE PITS:
1. DRAW DOWN OF SIDE ENTRY PIT TO BE ADJUSTED TO SUIT SM2-M KERB.



NOTE:
ALL PITS BASES TO HAVE FULL HEIGHT SHAPING (VERTICAL DEFLECTOR) TO TOP OF PIPE

PIT SET OUT

NOT TO SCALE

NOTE: STEP IRONS TO BE PROVIDED IN ALL PITS DEEPER THAN 1.0m

SEP - SIDE ENTRY PIT
SEP 1.5m - SIDE ENTRY PIT 1.5m WIDE
JP - JUNCTION PIT
GP - GRATED PIT
GSEP - SIDE ENTRY GRATED PIT
HW - HEAD WALL
EW - END WALL

WARNING
BEWARE - UNDERGROUND SERVICES
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CAD FILE: 31846_C6
DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

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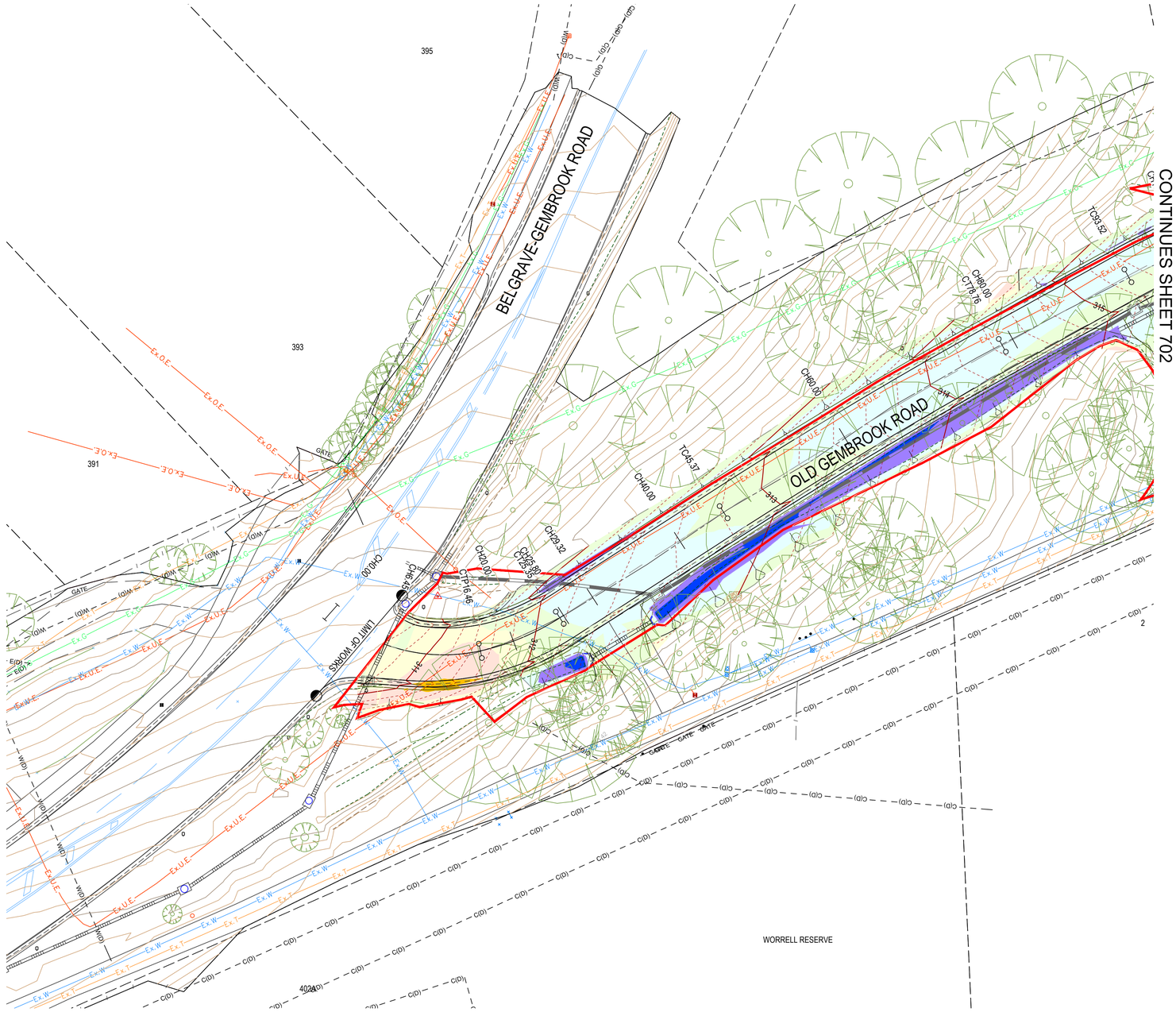
PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 607

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LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

WARNING

BEWARE - UNDERGROUND SERVICES

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DATUM AHD

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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 701

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CONTINUES SHEET 701

CONTINUES SHEET 703

CONTINUES SHEET 706

OLD GEMBROOK ROAD

SHERRIF ROAD

OLD GEMBROOK ROAD

CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

WARNING

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PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 702

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CONTINUES SHEET 702

OLD GEMBROOK ROAD

DURBAN ROAD

OLD GEMBROOK ROAD

CONTINUES SHEET 704

CONTINUES SHEET 707

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

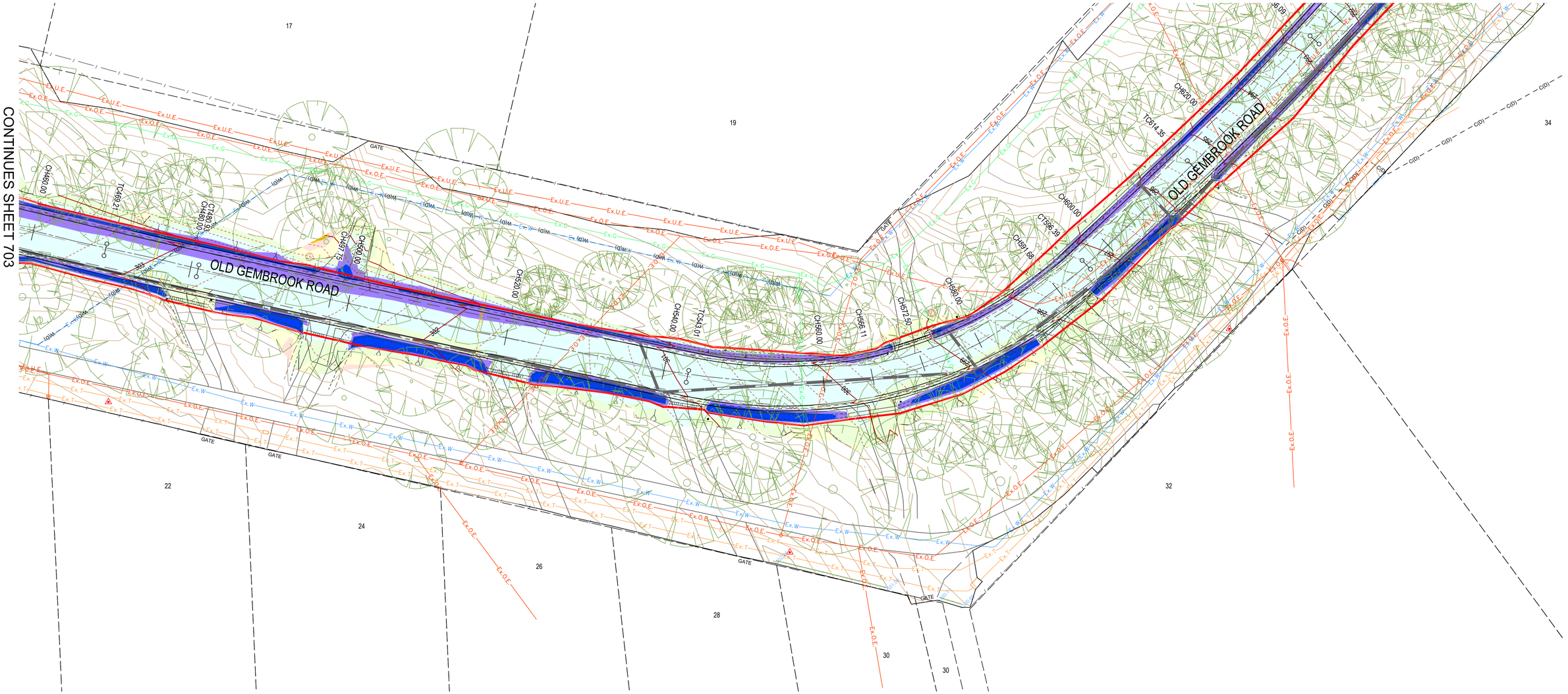
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VERSION 02
DWG No. 31846
SHEET No. 703

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CONTINUES SHEET 703

CONTINUES SHEET 705



CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

WARNING

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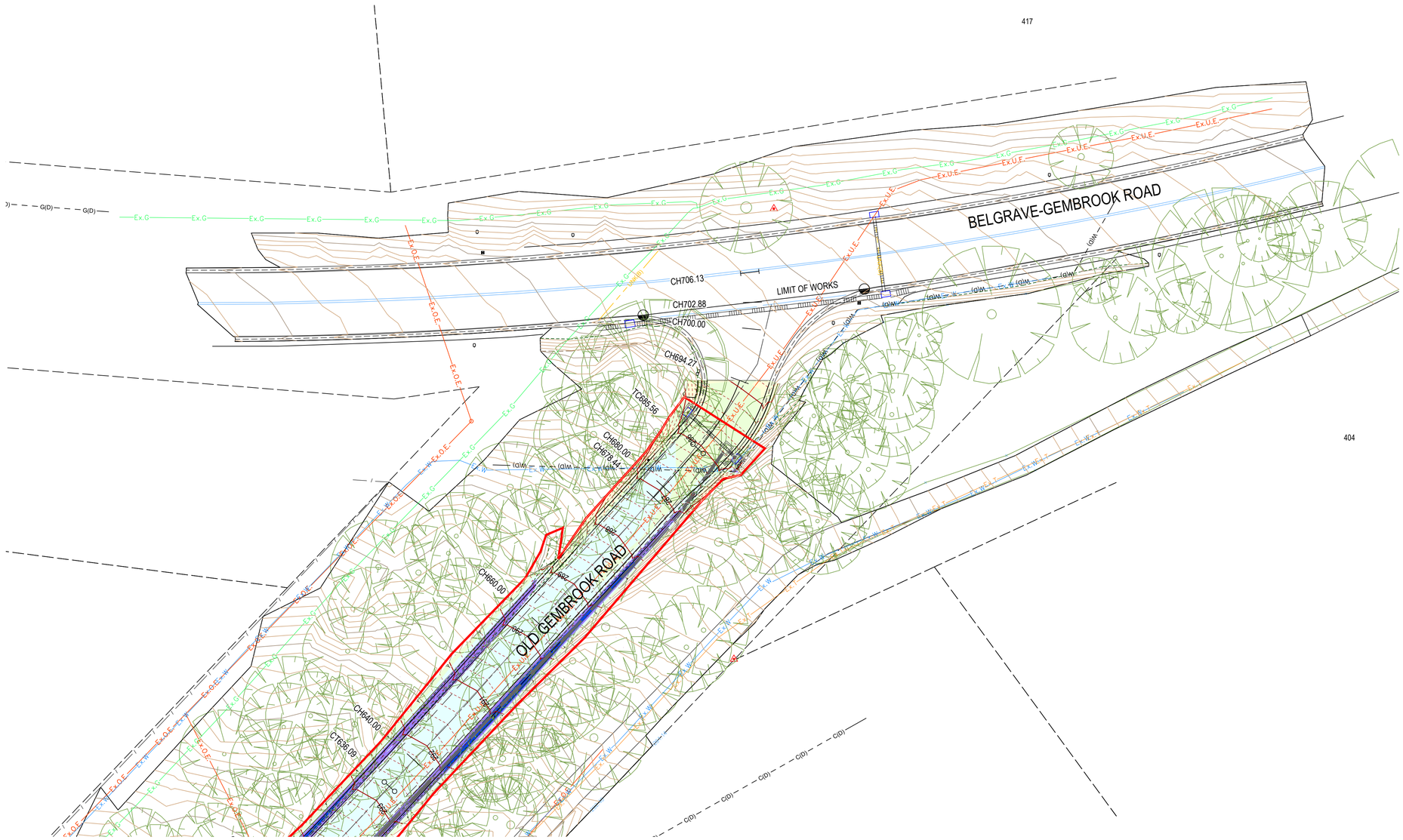
PLAN STATUS: TENDER ISSUE

SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 704

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CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

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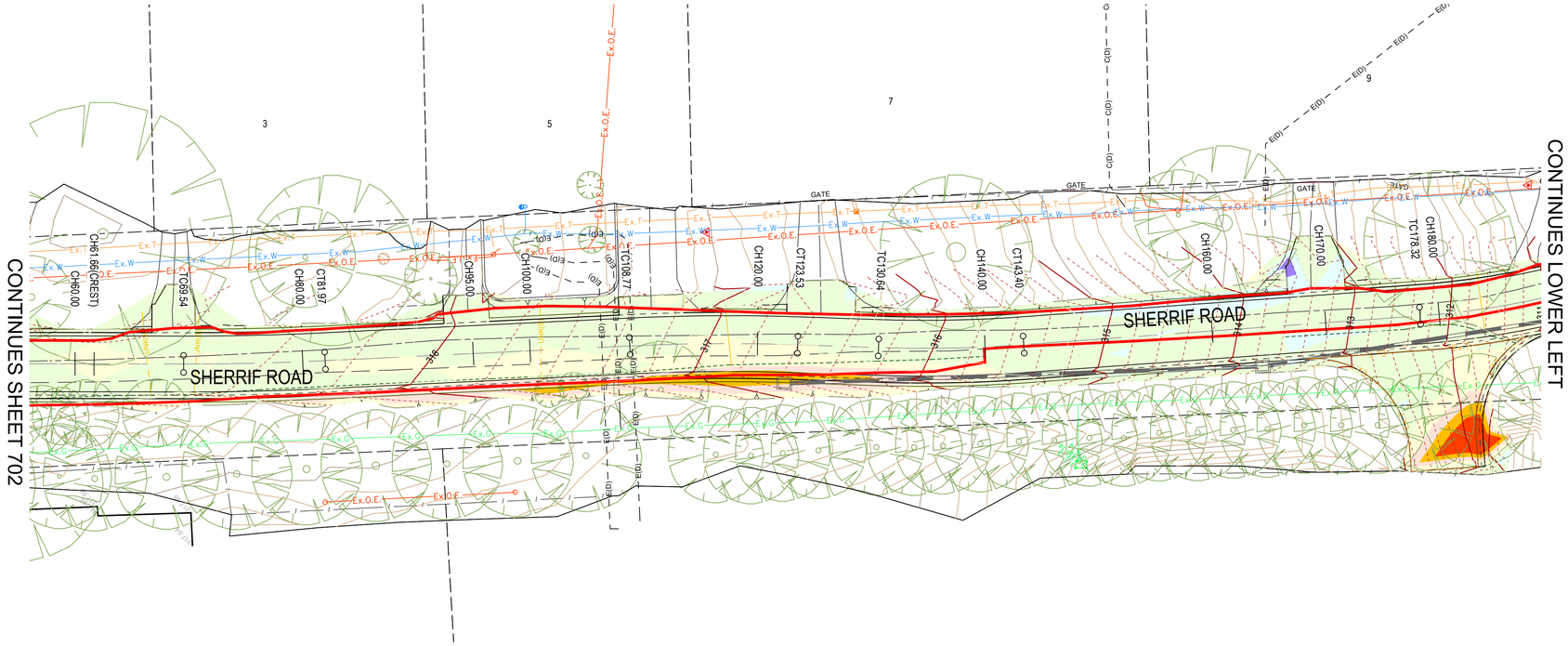
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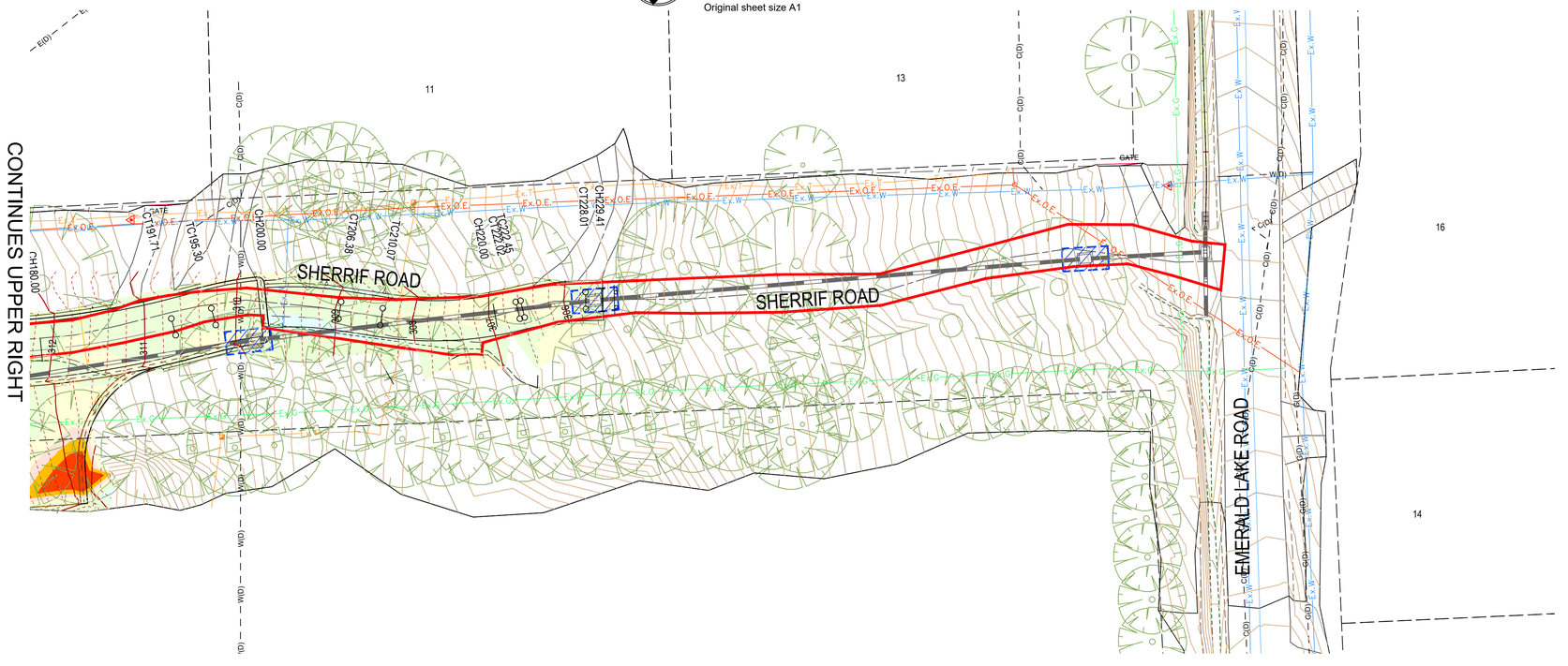
SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD
EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 705

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CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

WARNING

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DESIGNED: M.ASHDOWN
CHECKED: S.PIKE
DATE: 26/06/2024
DATUM AHD

SCALE: AS SHOWN

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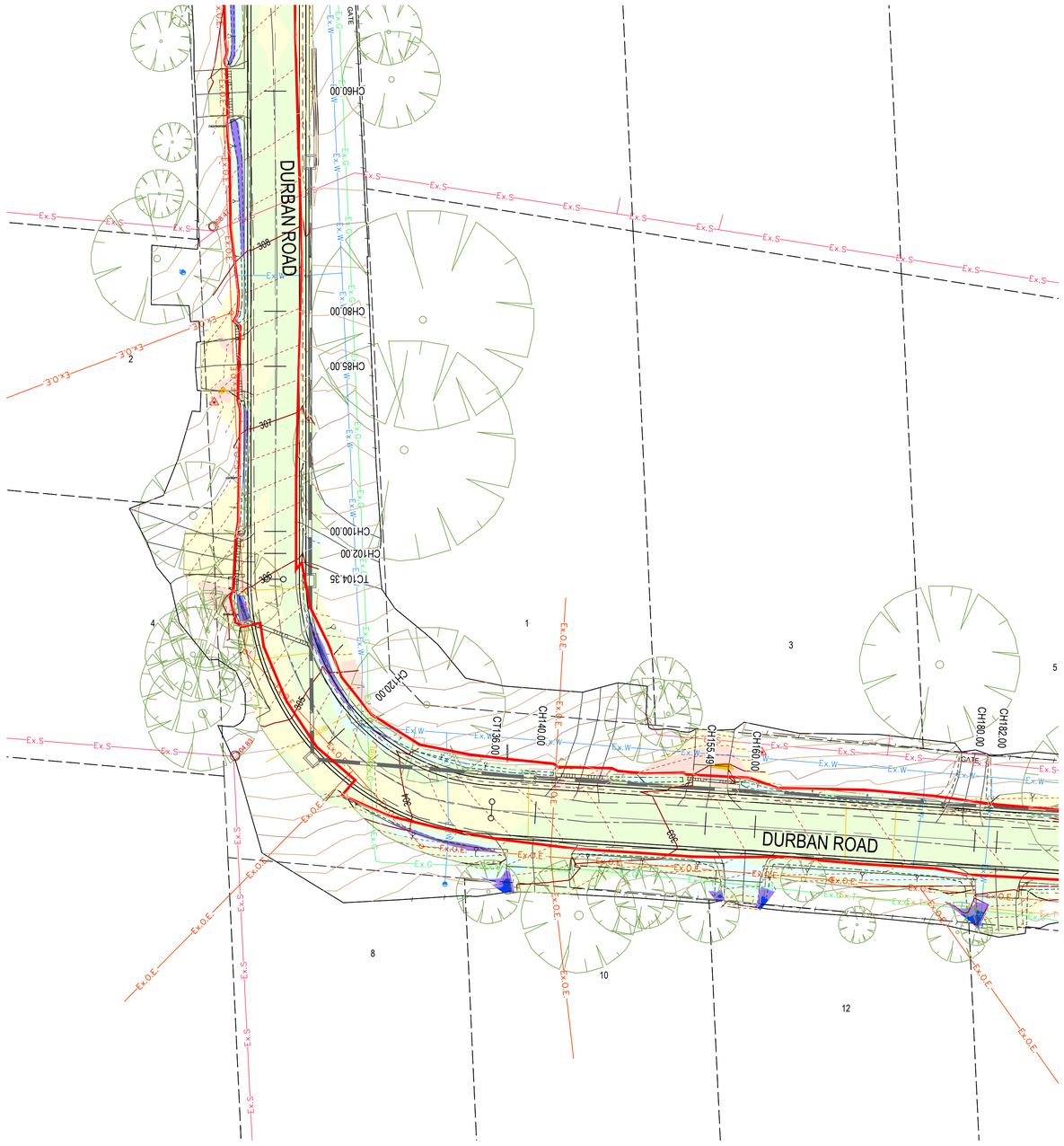
SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 706

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CONTINUES SHEET 703



CONTINUES SHEET 708

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

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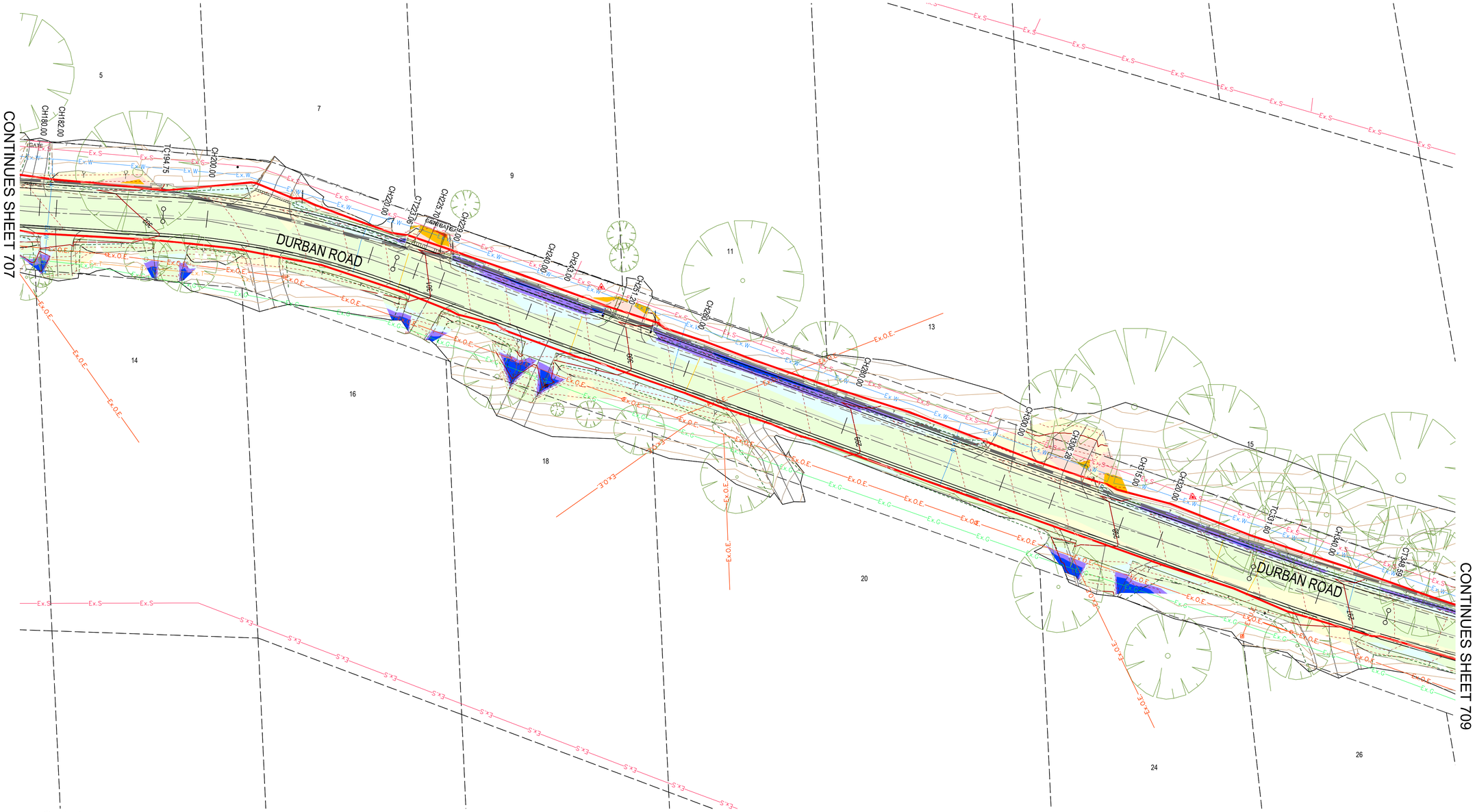
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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 707

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LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

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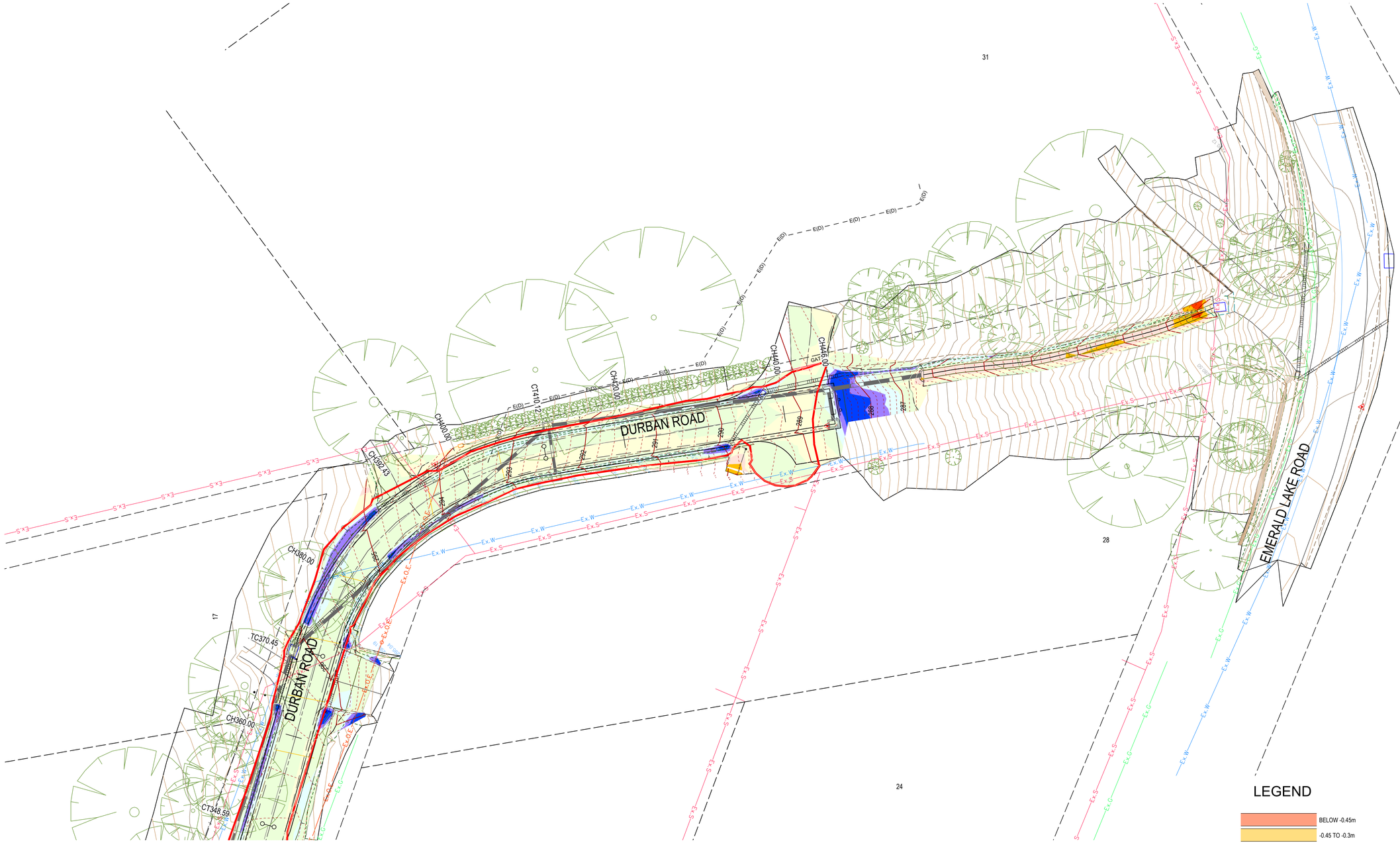
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SEALING THE HILLS - PACKAGE 17
OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD
CUT/FILL PLAN

SHEET SIZE A1
VERSION 02
DWG No. 31846
SHEET No. 708

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CUT/FILL PLAN

5 2.5 0 5 10 1:250

Original sheet size A1

LEGEND

- BELOW -0.45m
- -0.45 TO -0.3m
- -0.30 TO -0.15m
- -0.15 TO 0.0m
- 0.0m TO 0.15m
- 0.15m TO 0.3m
- 0.3m TO 0.45m
- ABOVE 0.45m
- EXISTING ROAD FORMATION (INCLUDING TABLE DRAINS)

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SEALING THE HILLS - PACKAGE 17

OLD GEMBROOK RD, SHERRIF RD AND DURBAN RD EMERALD

CUT/FILL PLAN

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VERSION 02
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