

ASTON ESTATE STAGE 31 PEET LIMITED

DRAWING LIST TABLE

DRAWING NO.	DESCRIPTION	SHEET NUMBER	REVISION NO.
3161-31-000	FACE SHEET & LOCALITY PLAN	000	2
3161-31-100	BULK EARTHWORKS & RETAINING WALLS	100	1
3161-31-200	DETAIL PLAN	200	0
3161-31-201	DETAIL PLAN (CROSS SECTION LOCATIONS)	201	0
3161-31-202	SERVICES PLAN	202	1
3161-31-203	PSM LOCATIONS	203	0
3161-31-210	RW LONG SECTIONS	210	1
3161-31-211	RW LONG SECTIONS	211	0
3161-31-212	RW LONG SECTIONS	212	1
3161-31-213	RW LONG SECTIONS	213	0
3161-31-220	CROSS SECTIONS AT DRIVEWAYS	220	0
3161-31-221	CROSS SECTIONS AT DRIVEWAYS	221	0
3161-31-222	CROSS SECTIONS AT DRIVEWAYS	222	0
3161-31-223	CROSS SECTIONS AT DRIVEWAYS	223	0
3161-31-224	CROSS SECTIONS AT DRIVEWAYS	224	0
3161-31-225	CROSS SECTIONS AT DRIVEWAYS	225	0
3161-31-226	CROSS SECTIONS AT DRIVEWAYS	226	0
3161-31-227	CROSS SECTIONS AT DRIVEWAYS	227	0
3161-31-228	CROSS SECTIONS AT DRIVEWAYS	228	0
3161-31-229	CROSS SECTIONS AT DRIVEWAYS	229	0
3161-31-230	CROSS SECTIONS AT DRIVEWAYS	230	0
3161-31-231	CROSS SECTIONS AT DRIVEWAYS	231	0
3161-31-232	CROSS SECTIONS AT DRIVEWAYS	232	0
3161-31-233	EXISTING ROADS TYPICAL CROSS SECTIONS	233	0
3161-31-250	STANDARD DETAILS	250	0
3161-31-251	STANDARD DETAILS	251	1
3161-31-252	STANDARD DETAILS	252	0



LOCALITY PLAN

MELWAYS REF: 386 B10
H 1:5000
SCALE @ A1

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.



LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN - DRINKING WATER	— DW —	— DW —
WATER MAIN - NON-DRINKING WATER	— NDW —	— NDW —
UNDERGROUND ELECTRICITY	— E —	— E —
OVERHEAD ELECTRICITY & POLE	— OE —	— OE —
TELSTRA & SERVICE PIT	— T —	— T —
OPTIC FIBRE	— OF —	— OF —
GAS MAIN	— G —	— G —
BRANCH SEWER & MANHOLE	— S —	— S —
SEWER & MANHOLE	— S —	— S —
SEWER RISING MAIN	— SRM —	— SRM —
CENTRAL INVERT	— > —	— > —
COUNCIL STORMWATER DRAIN & PIT	— —	— —
STORMWATER DRAINAGE PROPERTY INLETS	— —	— —
COUNCIL STORMWATER PITS	— —	— —
HOUSE DRAIN	— —	— —
AG DRAIN	— —	— —
STORMWATER DRAINAGE PIT NUMBER (STAGE NUMBER / PIT NUMBER)	01 01	01 01
GAS & WATER CONDUITS	— —	— GW —
CONCRETE VEHICLE CROSSING	— —	— —
CONCRETE FOOTPATH	— —	— —
PAVEMENT SAWCUT LINE	— —	— SAWCUT —
RIDGE / CHANGE OF GRADE LINE	— —	— —
SURFACE CONTOUR MINOR	— 51.20 —	— 51.20 —
SURFACE CONTOUR MAJOR	— 52.00 —	— 52.00 —
SURFACE LEVEL	E43.21	F44.33
BATTER LEVEL (TOP / TOE)	T43.55	T43.55
SIGN AND POST	— —	— —
STREET SIGN	— —	— —
LIGHT & POLE (BY OTHERS)	— —	— —
PERMANENT SURVEY MARK	— —	— —
TEMPORARY BENCH MARK	— —	— —
BOLLARD	— —	— —
ROAD CHAINAGES	CH36.20 (L/R)TP CH36.20	CH36.20 (L/R)TP CH36.20
LOT CHAINAGE	CH28.50	CH28.50
SETOUT POINT	— —	— (A) —
LIMIT OF WORKS	— —	— —
BATTER	— —	— —
CUT GREATER THAN 200mm	— —	— —
FILLING GREATER THAN 200mm (UNDER LEVEL 1 SUPERVISION)	— —	— —
ROCK BEACHING	— —	— —
RETAINING WALL - ROCK/STONE	— —	— —
FENCE - TREE PROTECTION	— —	— —
FENCE - VEHICLE EXCLUSION	— —	— —
FENCE - TEMPORARY	— —	— —
FENCE - OTHER	— —	— —
TREE TO BE RETAINED	— —	— —
TREE TO BE REMOVED	— —	— —
VEGETATION LINE	— —	— —

2	01.07.19	MA	BJM	R. TODD	SHEET 3161-31-100, 202, 210, 212, 251 AMENDED
1	14.06.19	MA	BJM	R. TODD	PSM LOCATION PLAN ADDED
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
D	01.04.19	MA	BJM	R. TODD	SHEET 3161-31-220 TO 3161-31-232 AMENDED
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
REV	DATE	DRN	CKD	APP	AMENDMENT

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CONSULTING ENGINEERS

Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560
E melbourne@cosweb.com.au

CLIENT: **PEET**

APPROVED: RAY TODD

DESIGNED: MA

SCALE: AS SHOWN

PROJECT: ASTON ESTATE

TITLE: ROAD & DRAINAGE FACE SHEET & LOCALITY PLAN

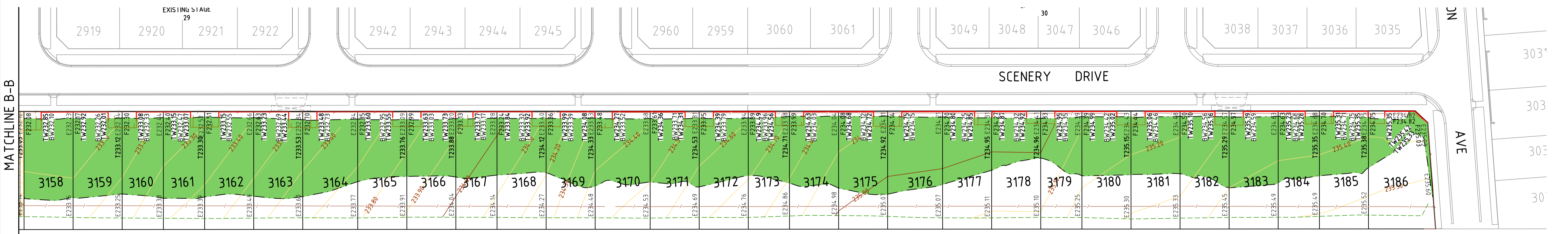
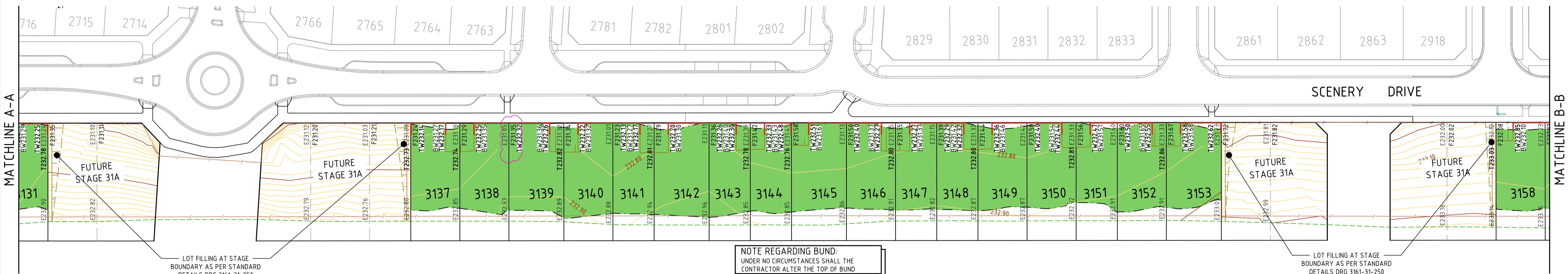
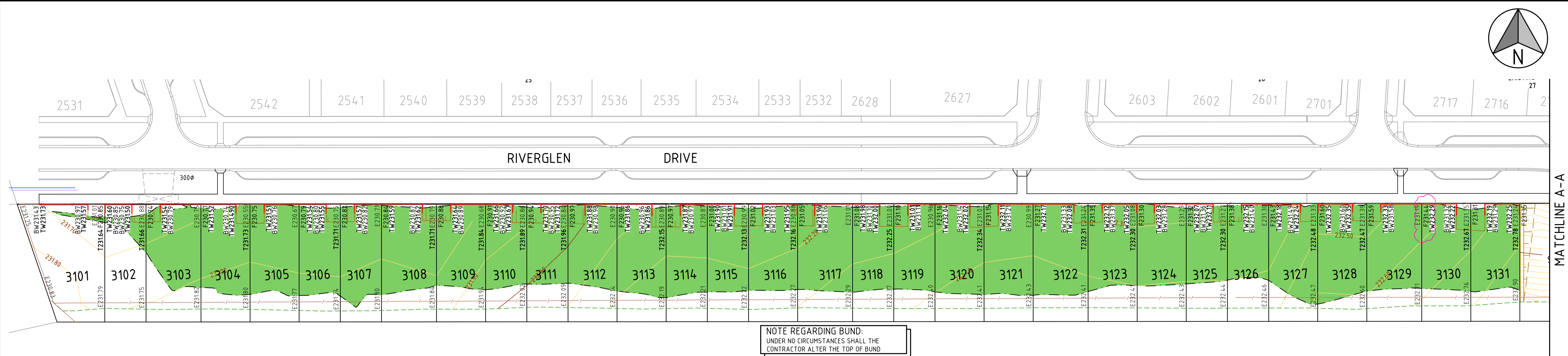
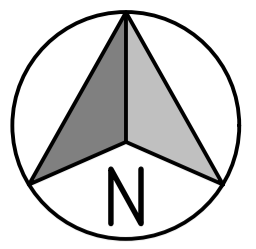
MUNICIPALITY: HUME CITY COUNCIL

PP No: P19872

DRAWING No: 3161-31-000

REVISION: 2

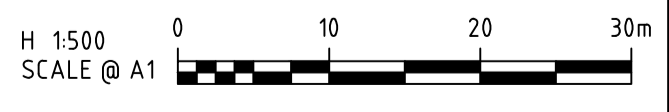
ORIGINAL SIZE A1



LEGEND

1 IN 5 BATTERLINE	
EXISTING BUND CREST LINE	
EXISTING SURFACE LEVEL	XXX.XX
FINISHED SURFACE LEVEL	FXXX.XX
BATTER LEVEL (TOP)	TXXX.XX
TOP OF RETAINING WALL LEVEL	TWXXX.XX
TOE OF RETAINING WALL LEVEL	BWXXX.XX
FILLING GREATER THAN 200mm (UNDER LEVEL 1 SUPERVISION)	

1	21.06.19	MA	BJM	R. TODD	FOOTPATH LEVEL AT LOT 3129-3130 BODY AND LOT 3138-3139 BODY AMENDED
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



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Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560 E melbourne@cosweb.com.au

PEET

CLIENT: RAY TODD
DESIGNED: MA
APPROVED: RAY TODD
SCALE: AS SHOWN

PROJECT: ASTON ESTATE
TITLE: ROAD & DRAINAGE BULK EARTHWORKS & RETAINING WALLS
MUNICIPALITY: HUME CITY COUNCIL
PP No.: P19872
DRAWING No.: 3161-31-100
REVISION: 1

ORIGINAL SIZE A1

LEGEND

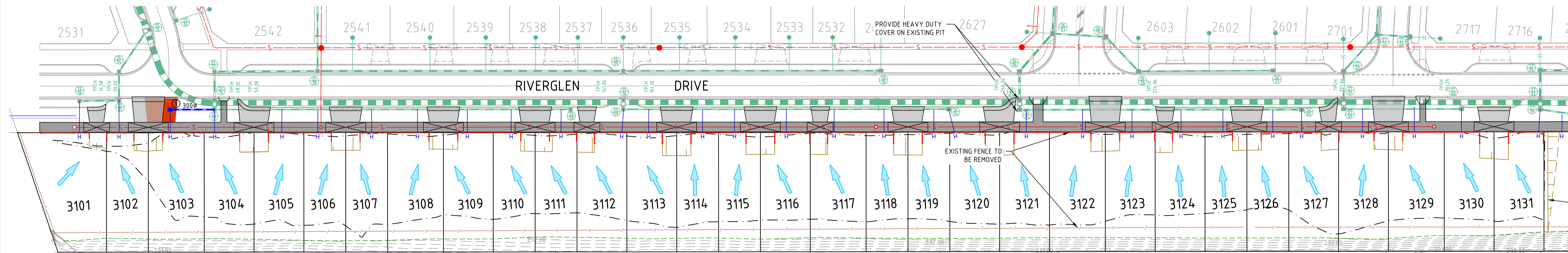
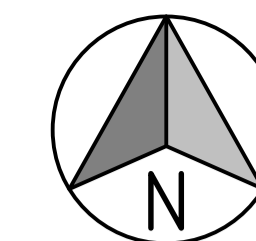
EXISTING FOOTPATHS TO BE REMOVED AND RECONSTRUCTED
 PROPOSED FOOTPATH
 EXTENT OF EXISTING CROSSOVER TO BE REMOVED



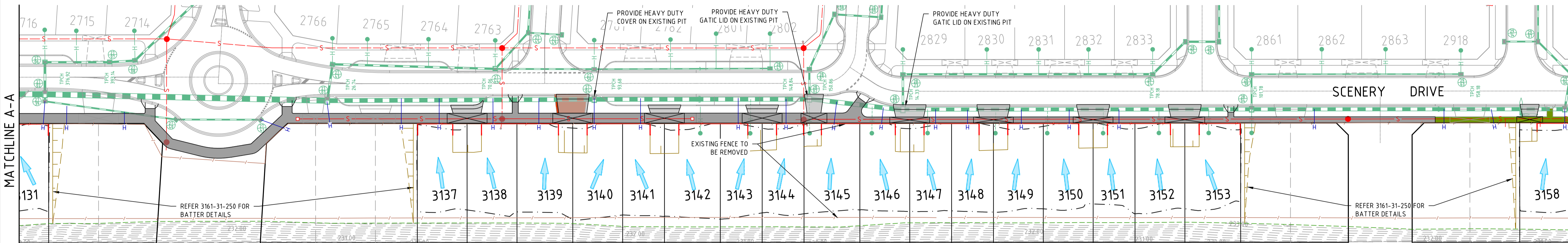
NOTE :
 CONTRACTOR TO BREAK OUT EXISTING KERB TO CONSTRUCT PRAM RAMPS AND VEHICLE CROSSINGS FOR LOTS 3101-3131, 3137-3153, 3158-3186 AND MATCH NEATLY.

NOTE :
 CONTRACTOR TO BREAK OUT EXISTING STORMWATER DRAINAGE PIT & PIPE TO INSTALL 85 NOS HOUSE DRAINS FOR LOTS 3101-3102, 3104-3186 AND MAKE GOOD.

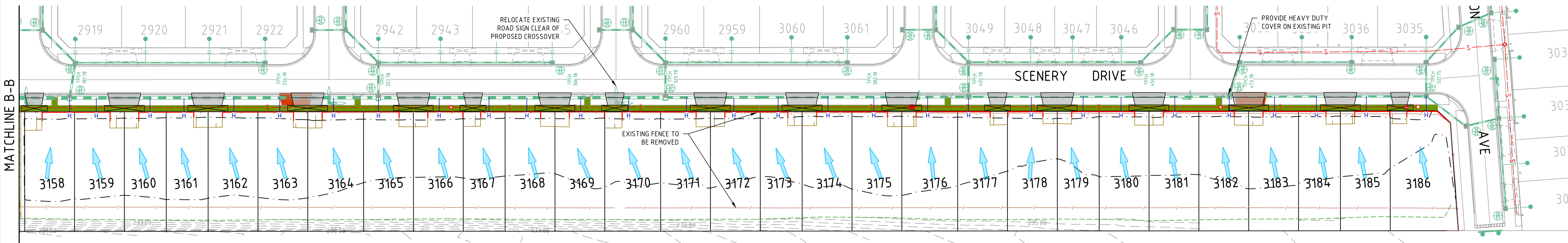
NOTE:
 WHERE HOUSE DRAIN CROSSES RETAINING WALL, OFFSET BEHIND RETAINING WALL TO BE 1m FROM TITLE BDY



NOTE REGARDING BUND:
 UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALTER THE TOP OF BUND.

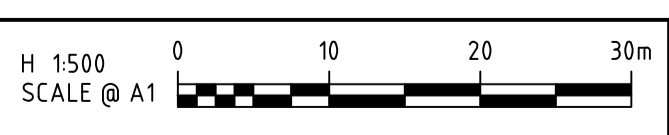


NOTE REGARDING BUND:
 UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALTER THE TOP OF BUND.



NOTE REGARDING BUND:
 UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALTER THE TOP OF BUND.

0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



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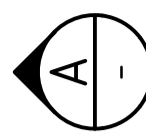
CLIENT
PEET
 APPROVED: *R. Todd*
 DESIGNED: MA
 SCALE: AS SHOWN

PROJECT
 ASTON ESTATE
TITLE
 ROAD & DRAINAGE DETAIL PLAN
MUNICIPALITY
 HUME CITY COUNCIL
 PP No. P19872
DRAWING No.
 3161-31-200
REVISION
 0

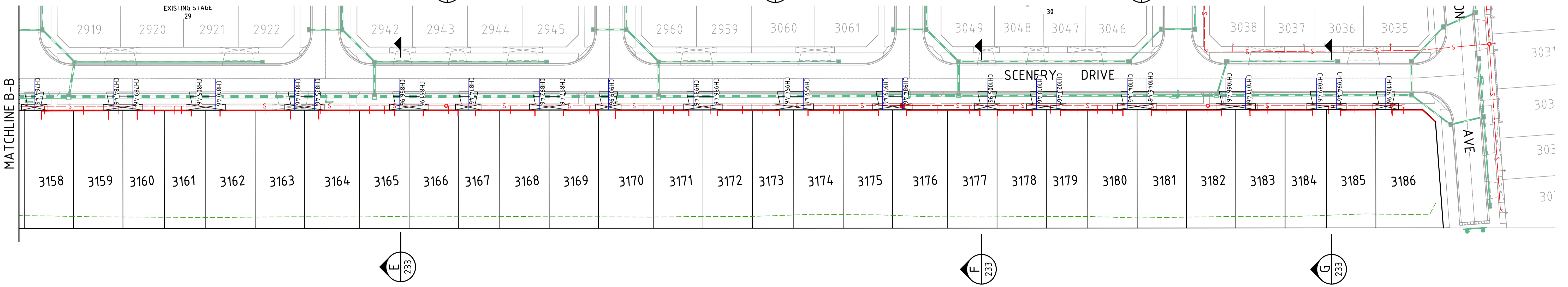
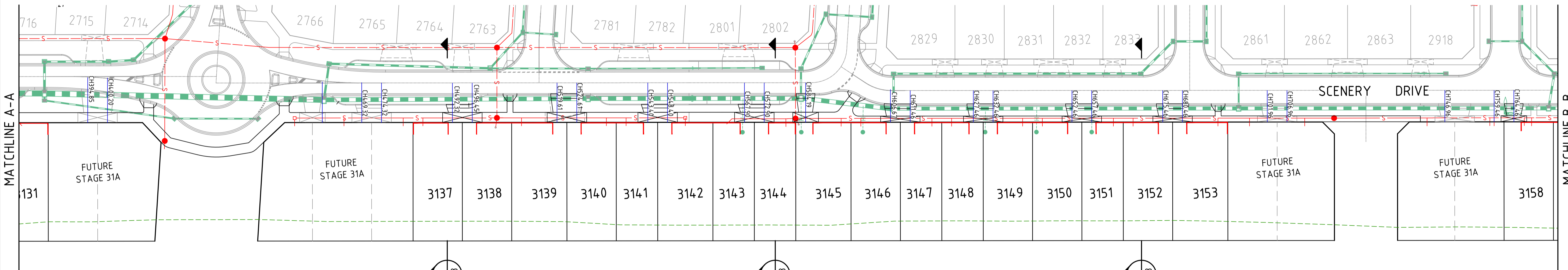
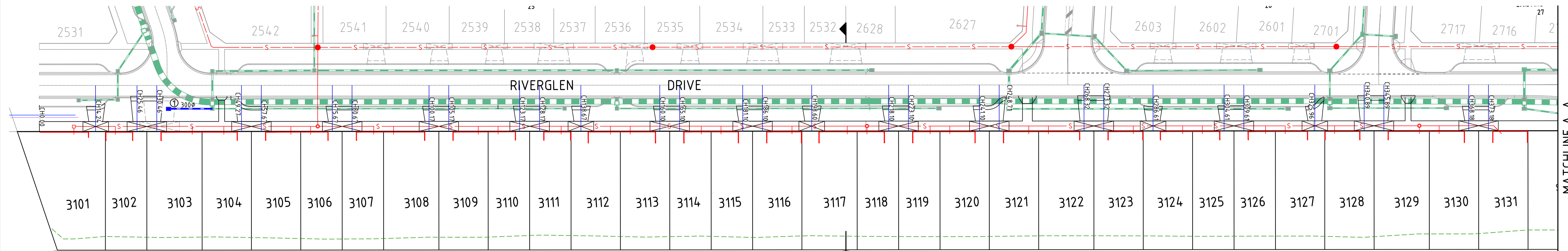
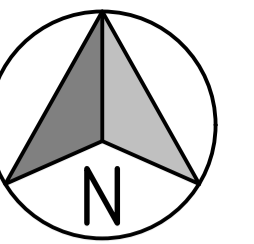
ORIGINAL SIZE A1

LEGEND

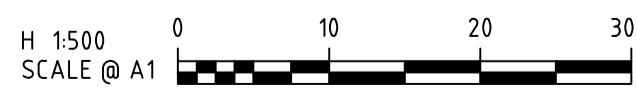
CHXXX.XX CROSS SECTION LOCATIONS (REFER DRG. 3161-31-220 TO 3161-31-232)



TYPICAL ROAD CROSS SECTIONS (REFER DRG. 3161-31-233)



0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



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Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT
PEET
APPROVED: *R. Zoda*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT ASTON ESTATE
TITLE ROAD & DRAINAGE DETAIL PLAN (CROSS SECTION LOCATIONS)
MUNICIPALITY HUME CITY COUNCIL
PP No. P19872
DRAWING No. 3161-31-201
REVISION 0

ORIGINAL SIZE A1

WARNING
PROPOSED SERVICES
 THE LOCATION AND EXTENT OF PROPOSED SERVICES IS INDICATIVE ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION. REFER TO AUTHORISED DOCUMENTATION BY RELEVANT AUTHORITY FOR CONSTRUCTION DETAILS. CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.

WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
 THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.



NOTE:
 CONTRACTOR TO CONSTRUCT NON-HINGED DUCTILE CAST VALVE COVERS OVER EXISTING POTABLE AND RECYCLED WATER TAPPINGS TO SIT FLUSH WITH CROSSOVER FOR LOTS 3107, 3110, 3114, 3125, 3127.

NOTE:
 WHERE HOUSE DRAIN CROSSES RETAINING WALL, OFFSET BEHIND RETAINING WALL TO BE 1m FROM TITLE BODY

NOTE:
 EXISTING ELECTRICITY AND NBN SERVICE PIT LIDS WILL REQUIRE ADJUSTMENT TO MATCH WITH PROPOSED FINISHED SURFACE.

NOTE:
 CONTRACTOR IS TO CONSTRUCT CONDUITS UNDER RETAINING WALL IN ACCORDANCE WITH MRWA-W-214 STANDARD DRAWING

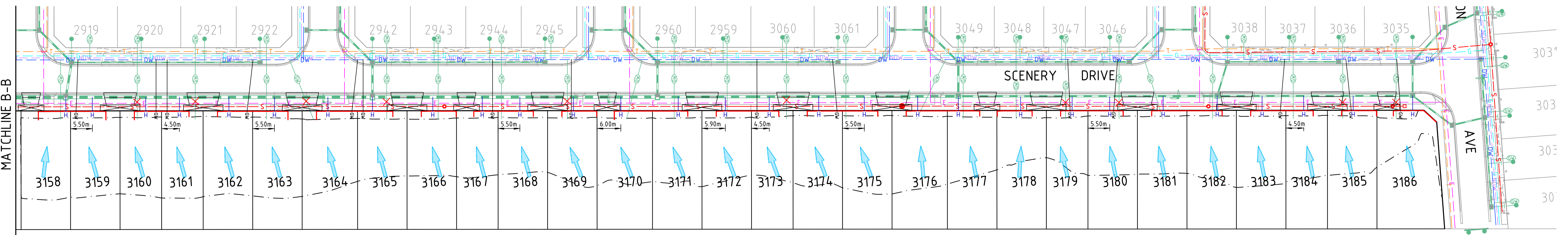
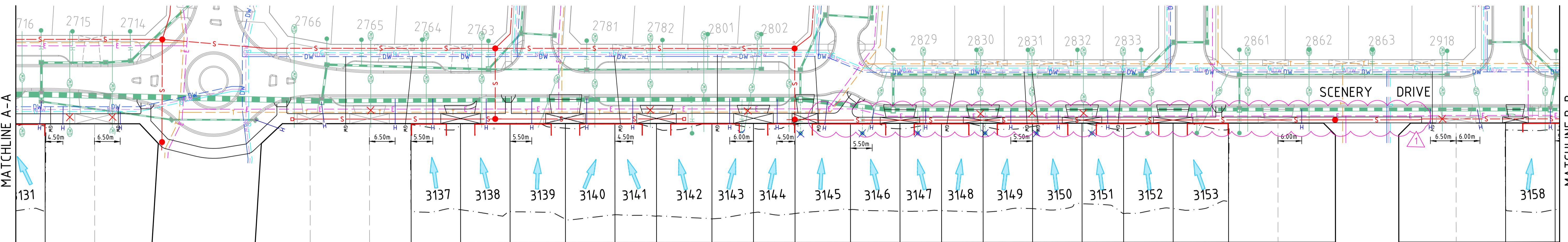
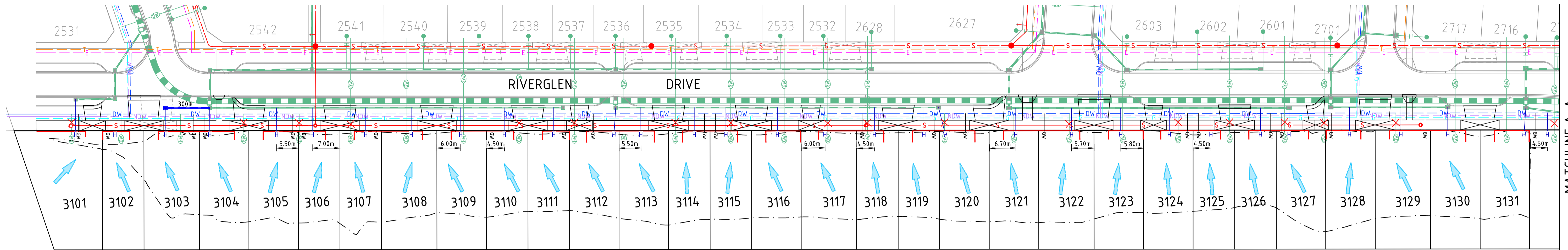
SERVICES OFFSET TABLE

STREET NAME	GAS		NON-DRINKING WATER		DRINKING WATER		TELCO		ELECTRICITY		SEWER	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
RIVERGLEN DRIVE (LOTS 3101-R/BOUNT)	SOUTH	3.10	SOUTH	3.60	SOUTH	4.20	NORTH	1.85	NORTH	2.65	SOUTH/NORTH	1.30/1.00
SCENERY DRIVE (R/BOUNT-LOT 3142)	NORTH	2.10	NORTH	2.60	NORTH	3.10	SOUTH	2.85	SOUTH	3.65	SOUTH/NORTH	1.15/1.00
SCENERY DRIVE (LOTS 3143-3145)	NORTH	2.10	NORTH	2.60	NORTH	3.10	SOUTH	2.85	SOUTH	3.65	SOUTH/NORTH	1.00/1.10
SCENERY DRIVE (LOTS 3146-3156)	NORTH	2.10	NORTH	2.60	NORTH	3.10	NORTH	1.00	SOUTH	1.80	SOUTH	0.80
SCENERY DRIVE (LOTS 3157-3172)	NORTH	2.10	NORTH	2.60	NORTH	3.10	NORTH	1.00	SOUTH	1.90	SOUTH	1.10
SCENERY DRIVE (LOTS 3173-3181)	NORTH	2.10	NORTH	2.60	NORTH	3.10	NORTH	1.00	SOUTH	2.00	SOUTH	1.10
SCENERY DRIVE (LOTS 3182-3186)	NORTH	2.10	NORTH	2.60	NORTH	3.10	NORTH	0.40	SOUTH	2.00	SOUTH/NORTH	1.10/1.10

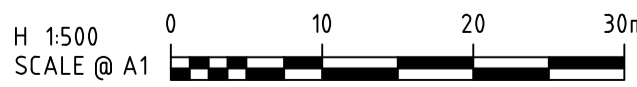
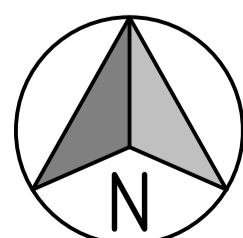
NOTE: EXISTING SERVICES SHOWN AS ITALIC IE NORTH.

LEGEND

- EXISTING HOUSE DRAINS TO BE ABANDONED AND SEALED
- EXISTING HOUSE DRAINS RETAINED
- EXISTING GW CONDUITS TO BE ABANDONED AND SEALED
- EXISTING GW SHORT CONDUITS RELAYED
- PROPOSED HOUSE DRAINS
- PROPOSED GW CONDUITS
- GW



REV	DATE	DRN	CKD	APP	AMENDMENT
1	27.06.19	RG	BJM	R. TODD	SEWER OFFSET REVISED AND REISSUED FOR CONSTRUCTION
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL

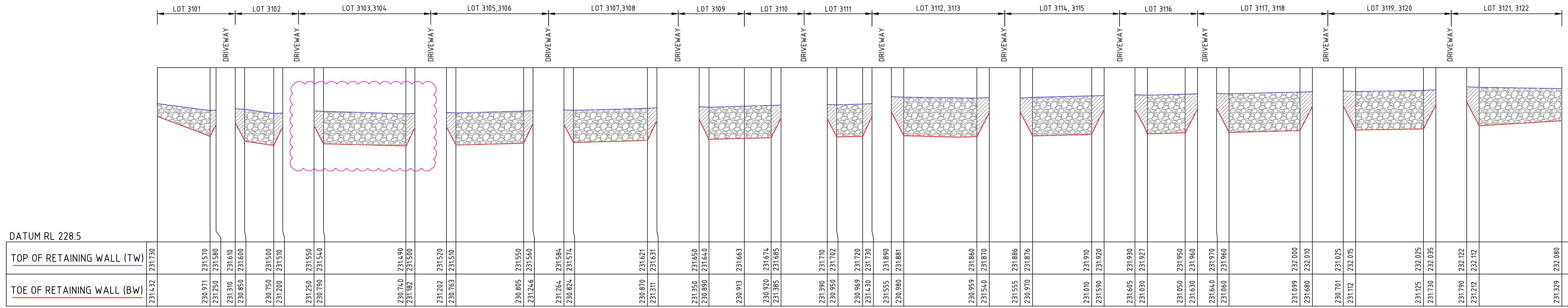


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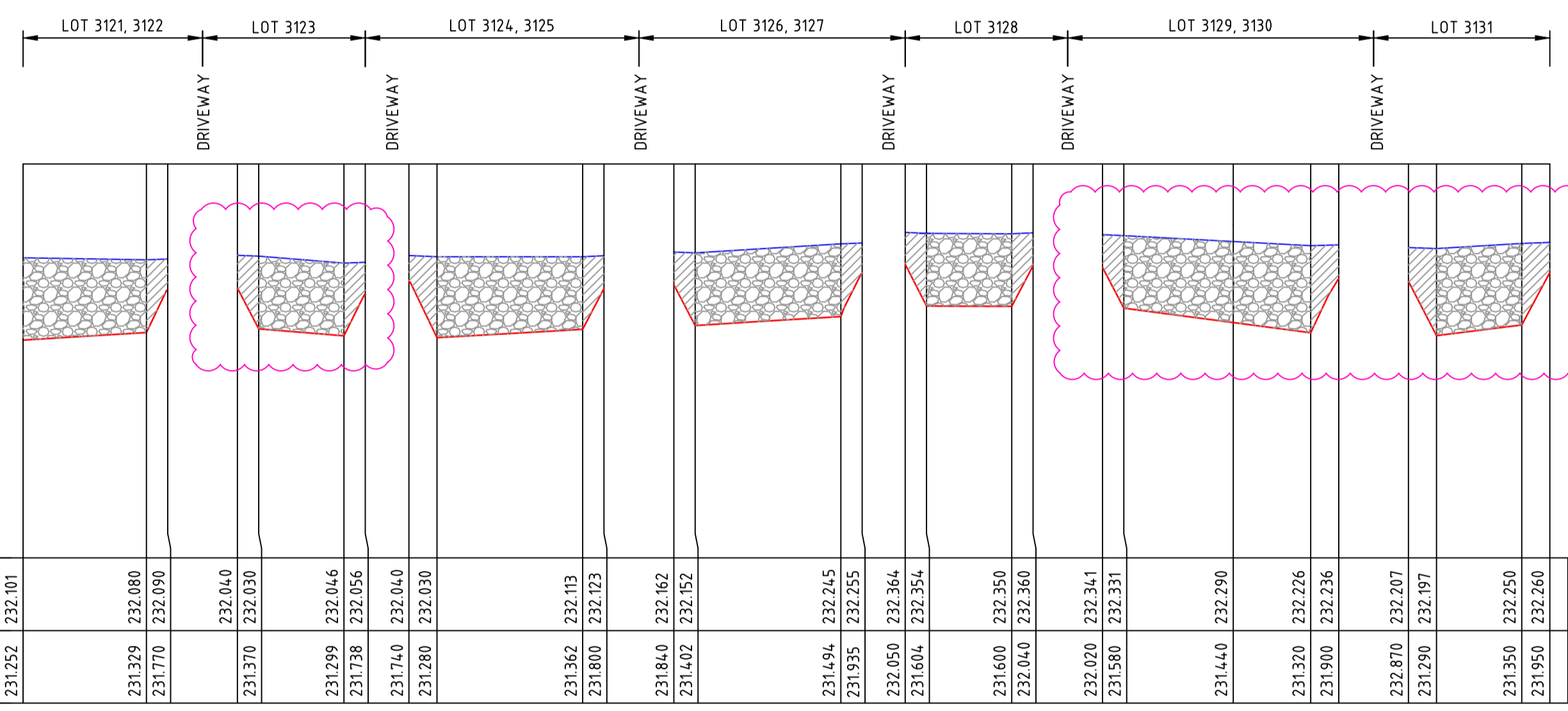
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 T (03) 8548 1560 E melbourne@cosweb.com.au

PEET
 CLIENT: ASTON ESTATE
 PROJECT: ROAD & DRAINAGE SERVICES PLAN
 MUNICIPALITY: HUME CITY COUNCIL
 PP No.: P19872
 DRAWING No.: 3161-31-202
 REVISION: 1

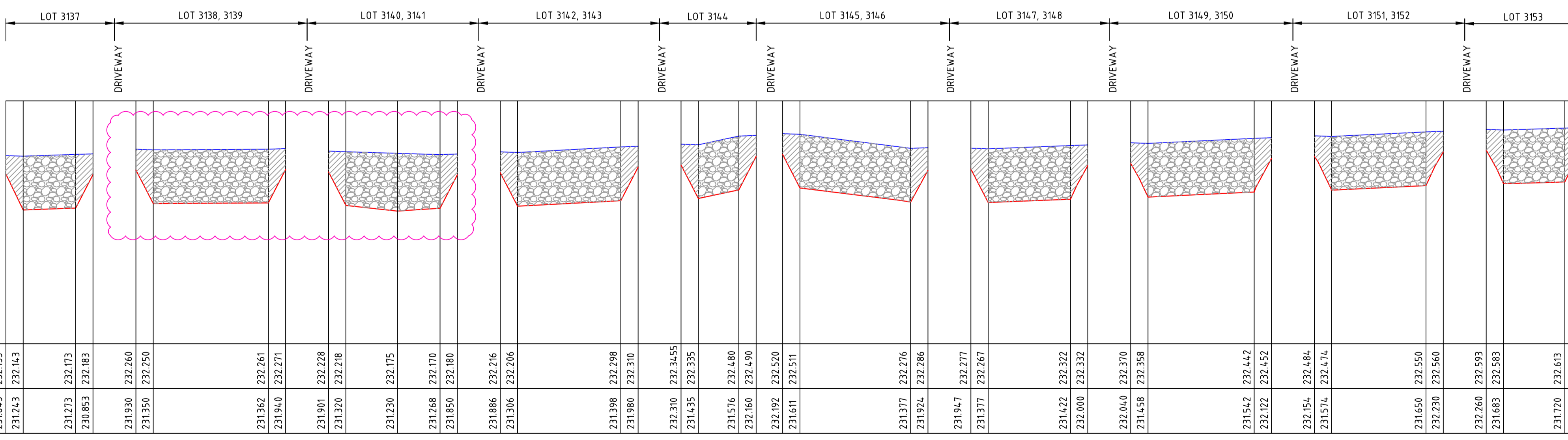
APPROVED: RAY TODD
 DESIGNED: MA
 SCALE: AS SHOWN
 ORIGINAL SIZE: A1



RETAINING WALL A



RETAINING WALL A

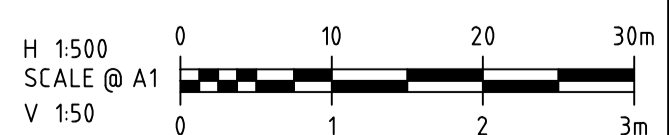


RETAINING WALL B

LEGEND

- RETAINING WALL LOT FRONTING
- RETAINING WALL RETURN

REV	DATE	DRN	CKD	APP	AMENDMENT
1	21.06.19	MA	BJM	R. TODD	TOE OF RETAINING WALL AMENDED
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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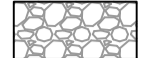

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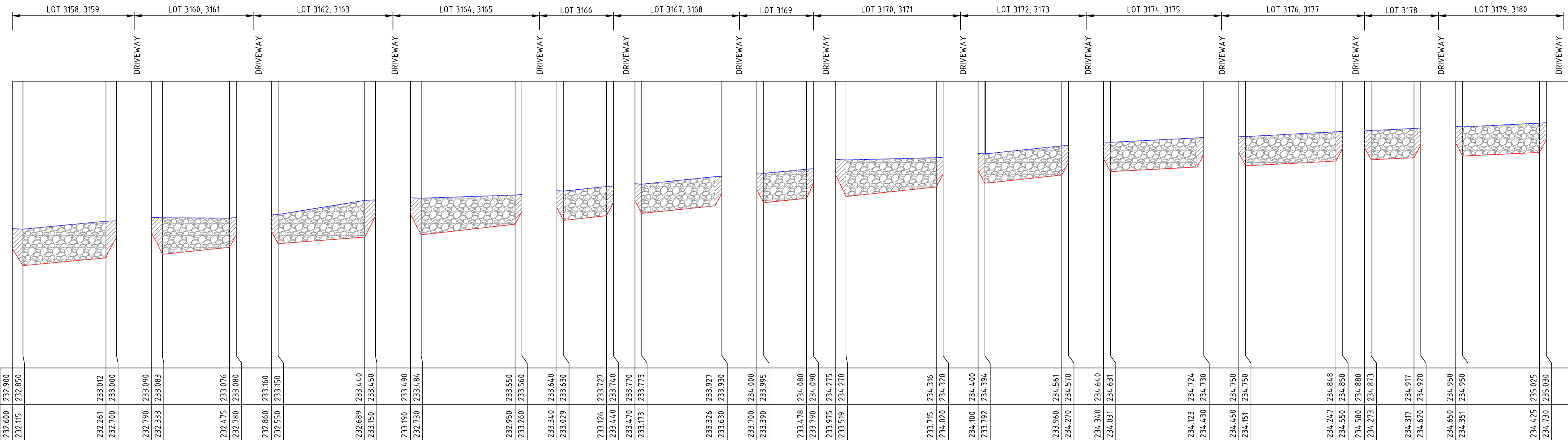
CLIENT: PEET
APPROVED: RAY TODD
DESIGNED: MA
SCALE: AS SHOWN

PROJECT: ASTON ESTATE
TITLE: ROAD & DRAINAGE RW LONG SECTIONS
MUNICIPALITY: HUME CITY COUNCIL
PP No: P19872
DRAWING No: 3161-31-210
REVISION: 1

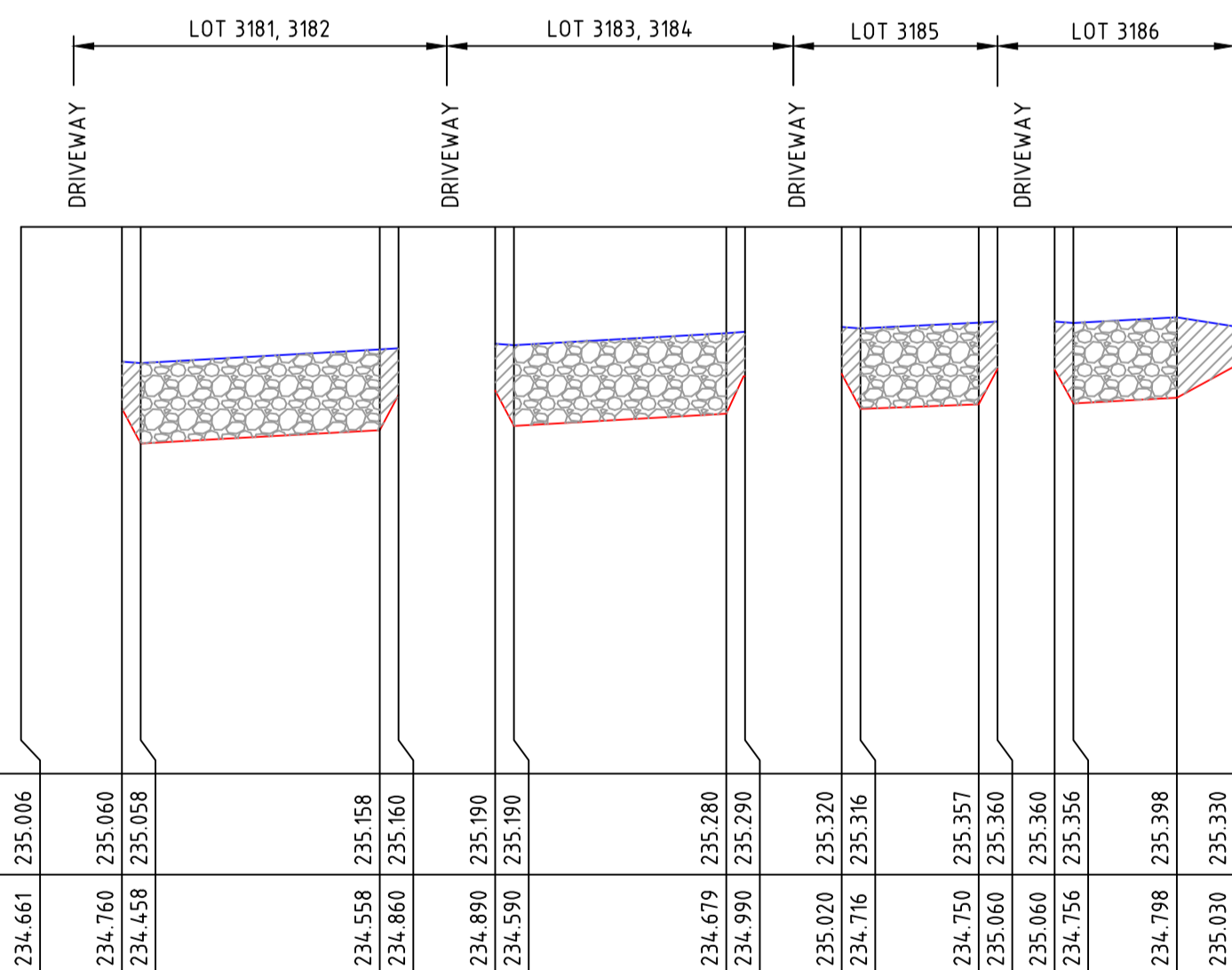
ORIGINAL SIZE A1

LEGEND

- RETAINING WALL LOT FRONTING 
- RETAINING WALL RETURN 

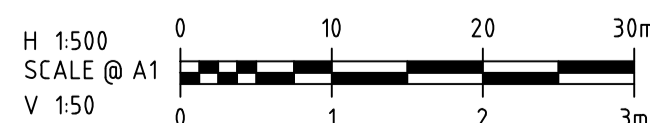


RETAINING WALL C



RETAINING WALL C

REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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CONSULTING ENGINEERS

Mailing Address
PO Box 33152
Melbourne VIC 3004

Street Address
Suite 2.04, 390 St Kilda Road
Melbourne VIC 3004

T (03) 8548 1560
E melbourne@cosweb.com.au

PEET

APPROVED *R. Todd*

DESIGNED MA

SCALE AS SHOWN

CLIENT
ASTON ESTATE

PROJECT
**ROAD & DRAINAGE
RW LONG SECTIONS**

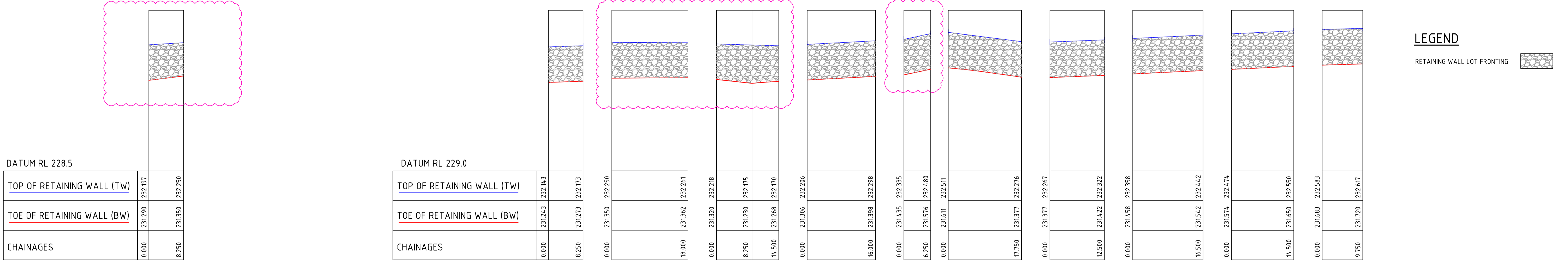
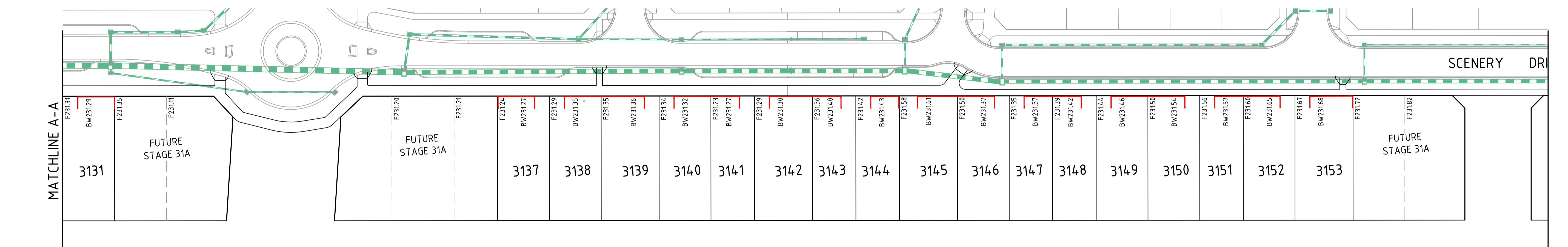
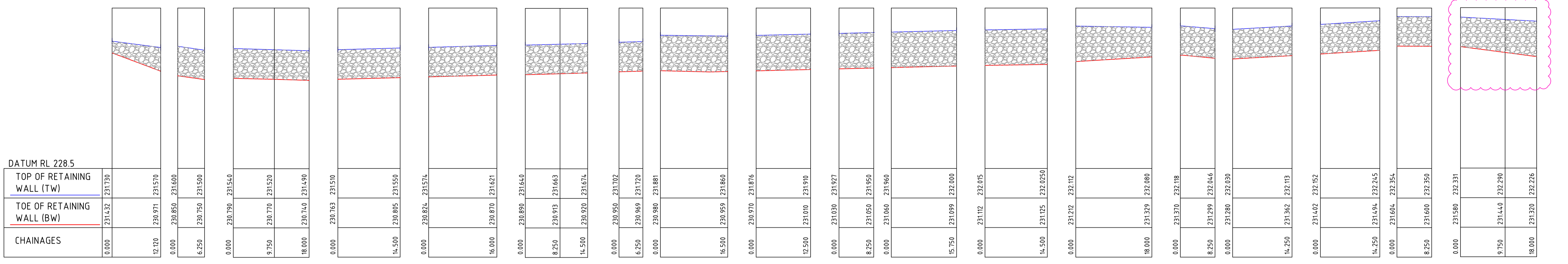
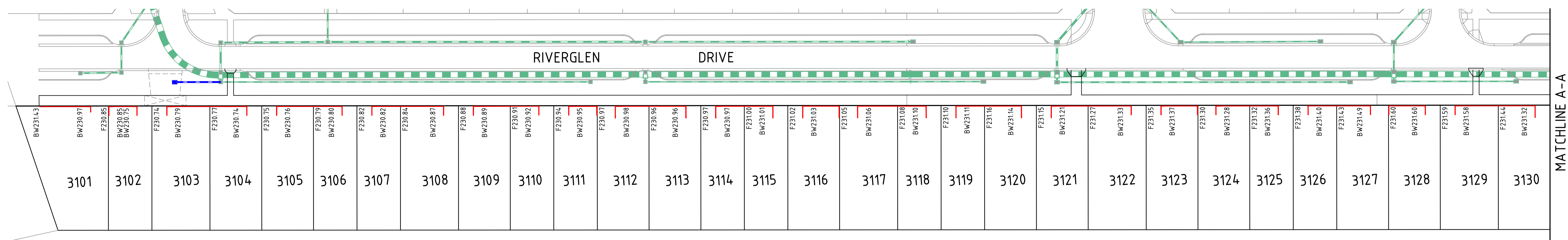
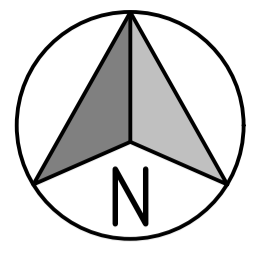
MUNICIPALITY
HUME CITY COUNCIL

PP No. P19872

DRAWING No. 3161-31-211

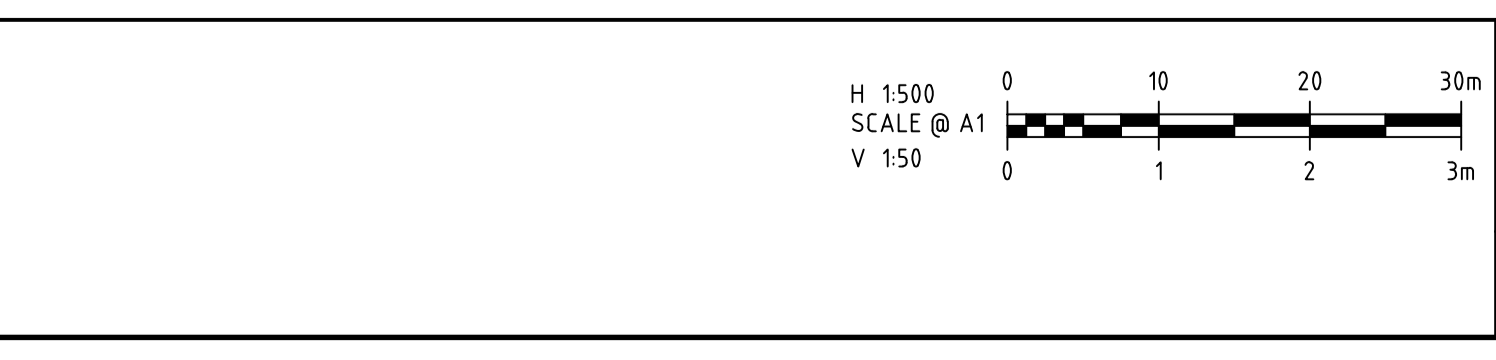
REVISION 0

ORIGINAL SIZE A1



LEGEND
 RETAINING WALL LOT FRONTING

REV	DATE	DRN	CKD	APP	AMENDMENT
1	21.06.19	MA	BJM	R. TODD	TOE OF RETAINING WALL AMENDED
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL

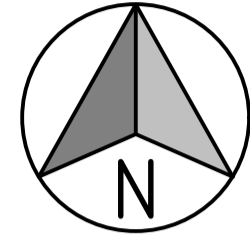


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PEET
 RAY TODD
 DESIGNED: MA
 SCALE: AS SHOWN

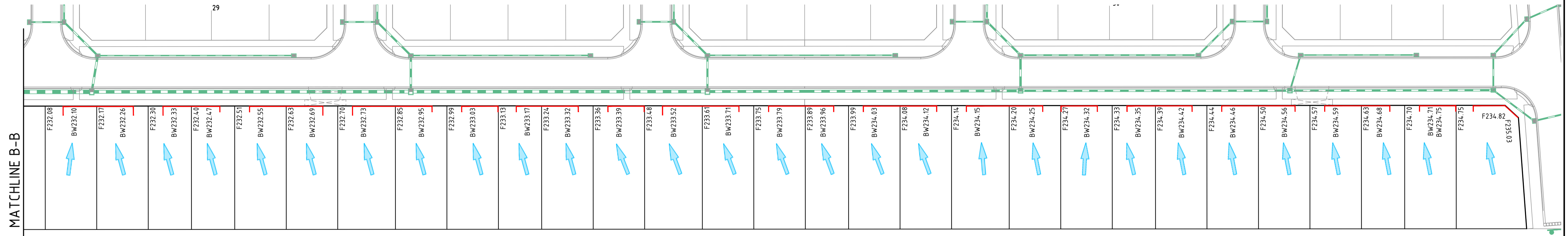
PROJECT: ASTON ESTATE
 TITLE: ROAD & DRAINAGE RW LONG SECTIONS
 MUNICIPALITY: HUME CITY COUNCIL
 PP No.: P19872
 DRAWING No.: 3161-31-212
 REVISION: 1

ORIGINAL SIZE A1



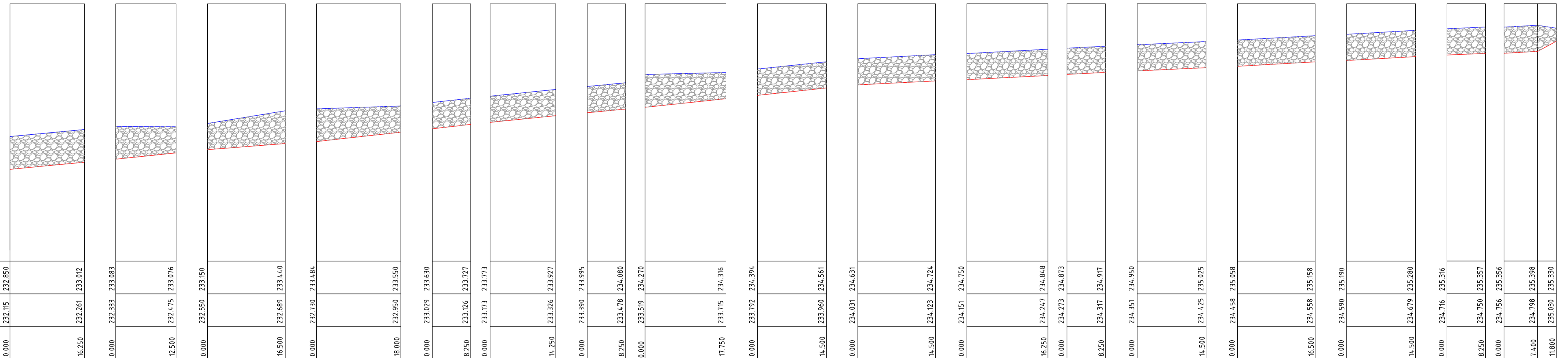
LEGEND

RETAINING WALL LOT FRONTING

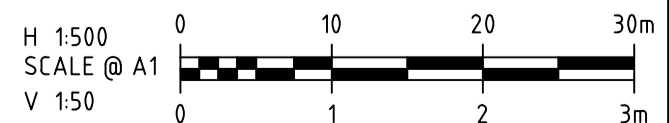


DATUM RL 230.0

TOP OF RETAINING WALL (TW)	232.850	233.012
TOE OF RETAINING WALL (BW)	232.115	232.261
CHAINAGES	0.000	16.250



0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



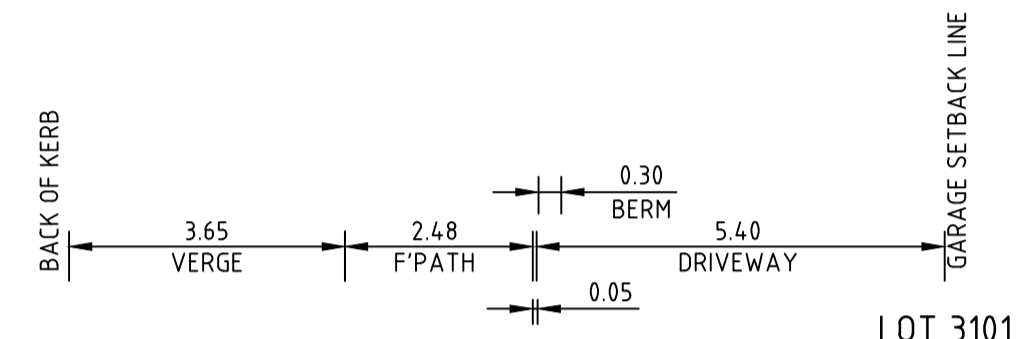
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Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT
PEET
APPROVED: *R. Todd*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT	ASTON ESTATE
TITLE	ROAD & DRAINAGE RW LONG SECTIONS
MUNICIPALITY	HUME CITY COUNCIL
PP No.	P19872
DRAWING No.	3161-31-213
REVISION	0

ORIGINAL SIZE A1

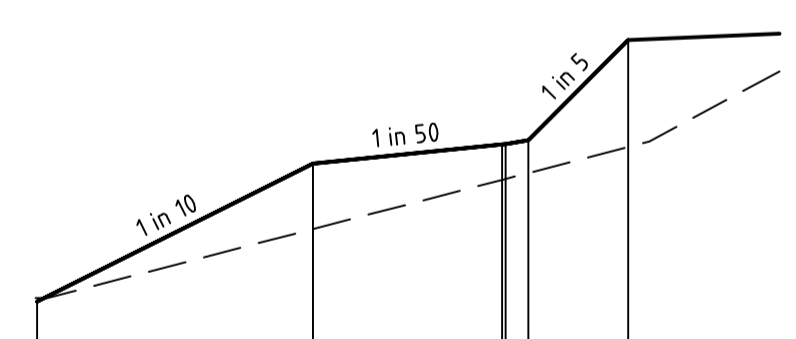


Q1million FLOOD LEVEL=231.18

Q100 FLOOD LEVEL=230.39

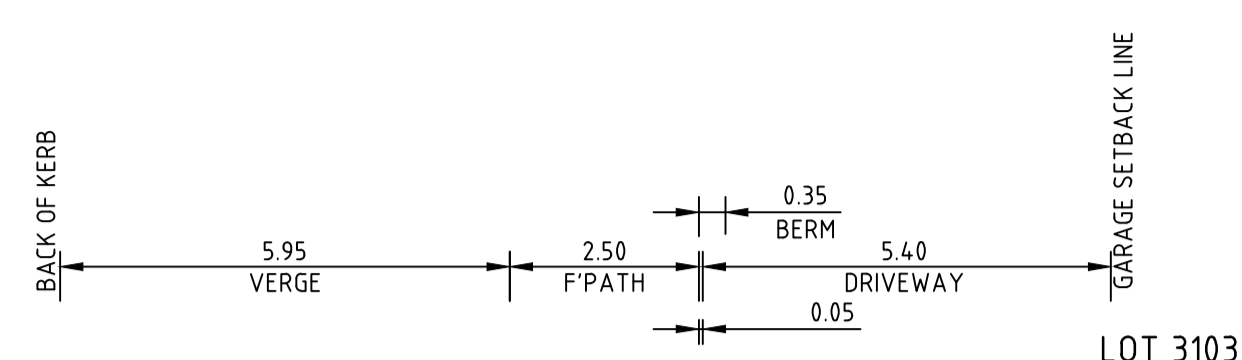
DATUM R.L. 230.0				
DESIGN SURFACE LEVEL	230.489			
EXISTING SURFACE LEVEL		230.962	230.902	231.649
OFFSET	0.000	3.650	6.150	10.176

CH 14.24



DATUM R.L. 230.0				
DESIGN SURFACE LEVEL	231.020	231.385	231.435	
EXISTING SURFACE LEVEL	231.029	231.212	231.342	231.447
OFFSET	0.000	3.650	6.150	7.822

CH 0.00

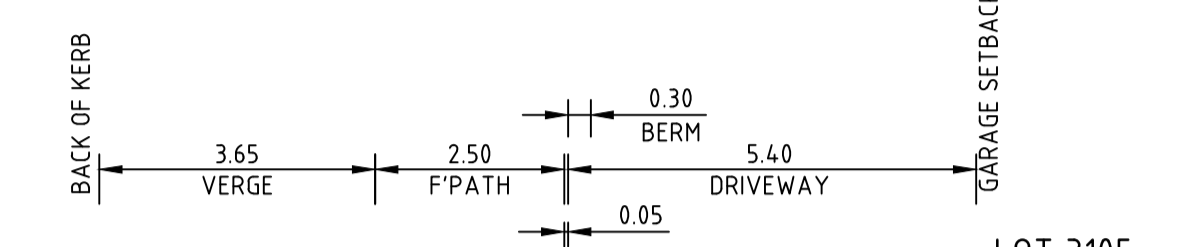


Q1million FLOOD LEVEL=231.20

Q100 FLOOD LEVEL=230.41

DATUM R.L. 229.0				
DESIGN SURFACE LEVEL	230.134	230.725	230.775	231.672
EXISTING SURFACE LEVEL	230.134	230.800	230.719	231.069
OFFSET	0.000	5.950	8.450	13.228

CH 30.46



Q1million FLOOD LEVEL=231.24

Q100 FLOOD LEVEL=230.46

DATUM R.L. 230.0				
DESIGN SURFACE LEVEL	230.341	230.708	230.758	231.732
EXISTING SURFACE LEVEL	230.343	230.430	230.492	230.811
OFFSET	0.000	3.650	6.150	11.310

CH 57.67

Q1million FLOOD LEVEL=231.19

Q100 FLOOD LEVEL=230.40

DATUM R.L. 229.0				
DESIGN SURFACE LEVEL	230.143	230.690	230.740	231.660
EXISTING SURFACE LEVEL	230.143	230.845	230.914	231.285
OFFSET	0.000	5.950	8.450	13.339

CH 25.46

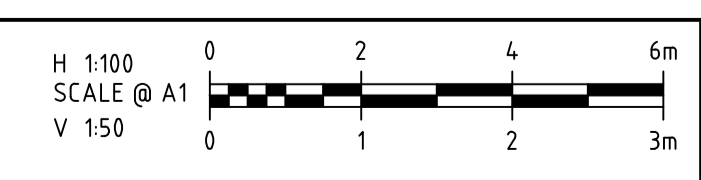
Q1million FLOOD LEVEL=231.22

Q100 FLOOD LEVEL=230.43

DATUM R.L. 229.0				
DESIGN SURFACE LEVEL	230.200	230.686	230.736	231.725
EXISTING SURFACE LEVEL	230.203	230.616	230.672	230.900
OFFSET	0.000	5.950	8.450	13.685

CH 49.27

REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
D	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT: **PEET**

APPROVED: *R. Zoda*

DESIGNED: MA

SCALE: AS SHOWN

PROJECT: ASTON ESTATE

TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS

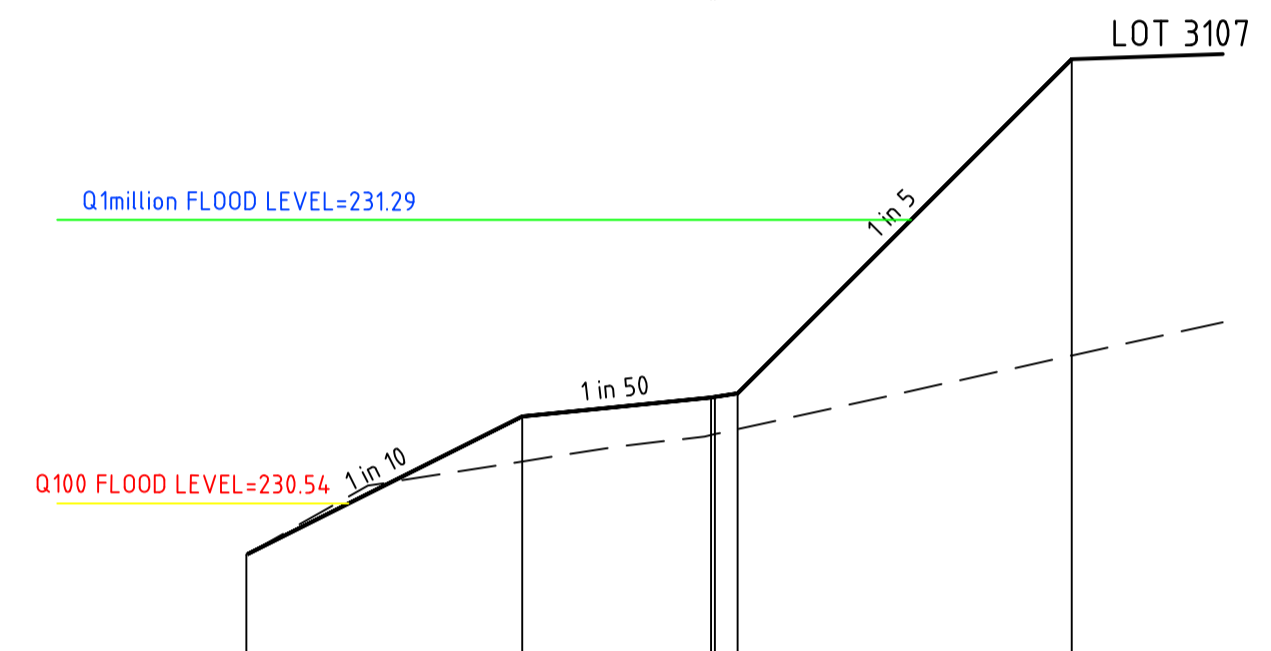
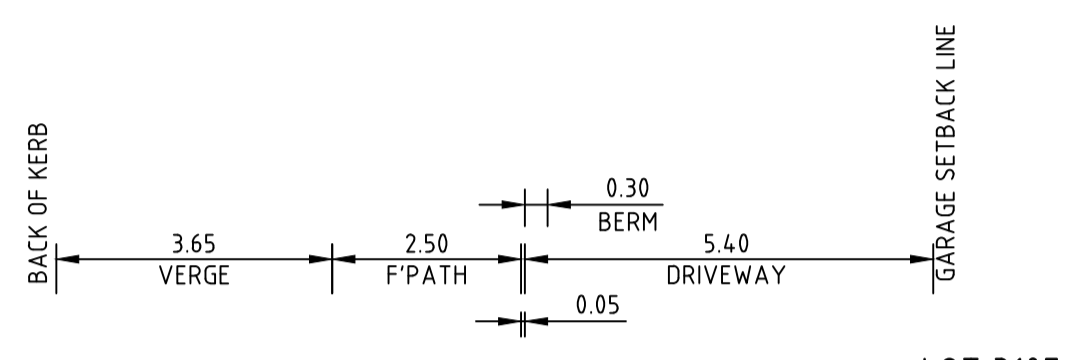
MUNICIPALITY: HUME CITY COUNCIL

PP No.: P19872

DRAWING No.: 3161-31-220

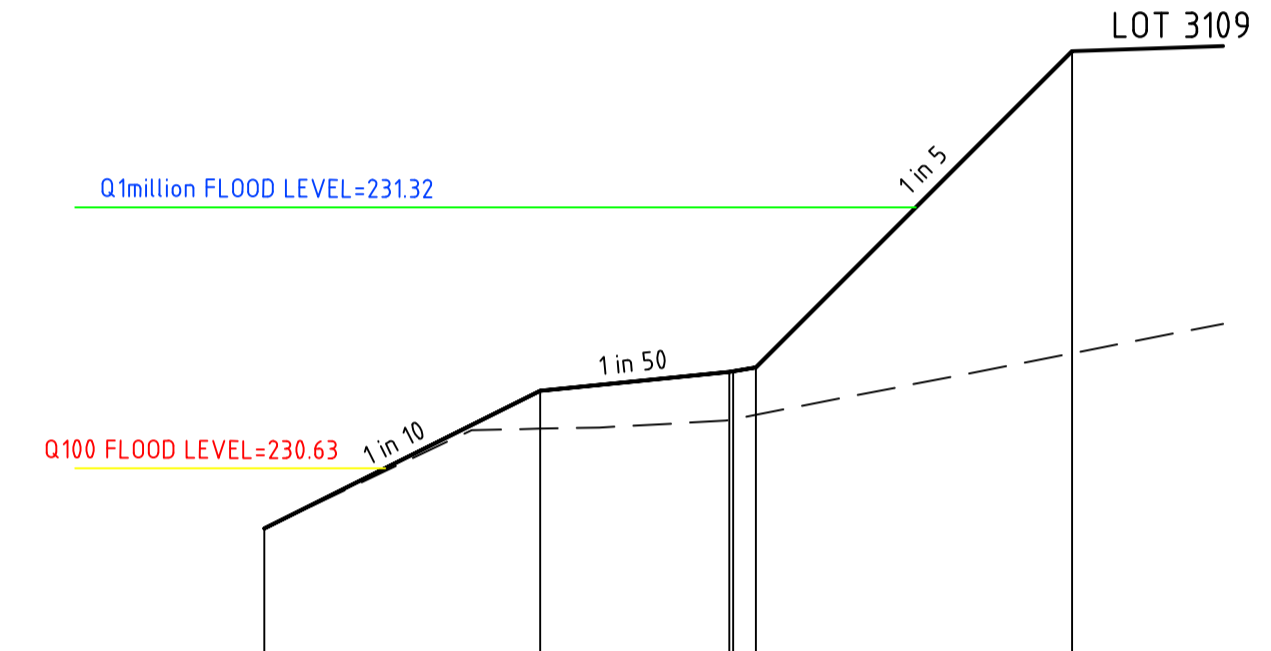
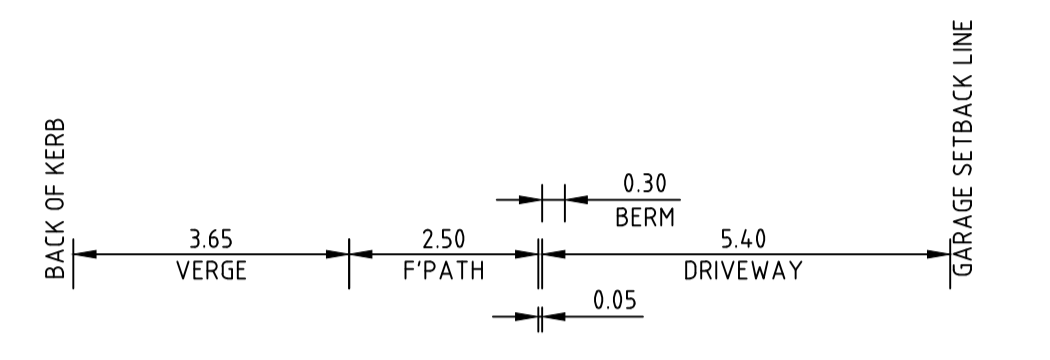
REVISION: 0

ORIGINAL SIZE A1



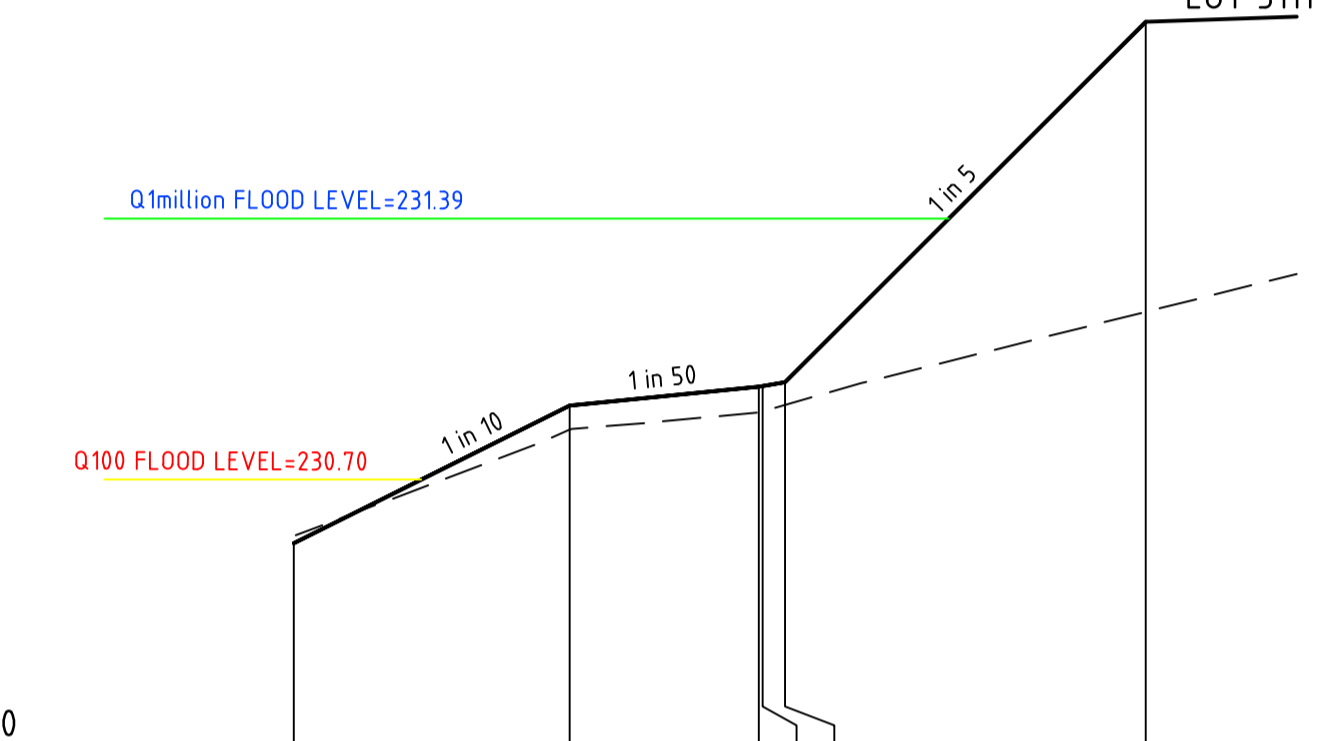
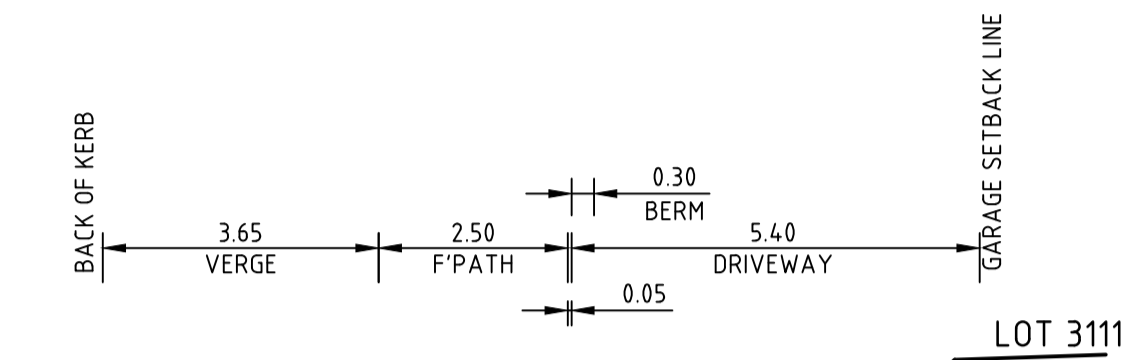
DATUM R.L. 230.0						
DESIGN SURFACE LEVEL		230.405	230.770	230.820	231.715	
EXISTING SURFACE LEVEL		230.405	230.651	230.721	230.822	230.931
OFFSET		0.000	3.650	6.150	6.500	10.917

CH 80.67



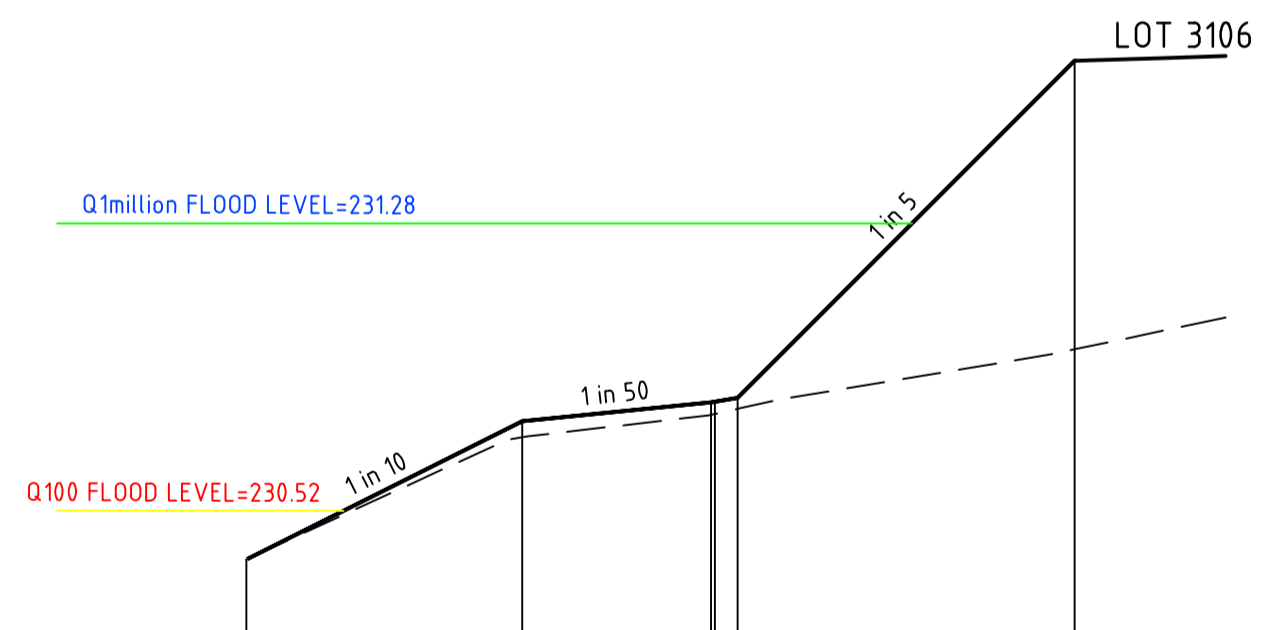
DATUM R.L. 230.0						
DESIGN SURFACE LEVEL		230.470	230.895	230.885	231.733	
EXISTING SURFACE LEVEL		230.470	230.734	230.757	230.887	230.934
OFFSET		0.000	3.650	6.150	6.500	10.683

CH 105.17



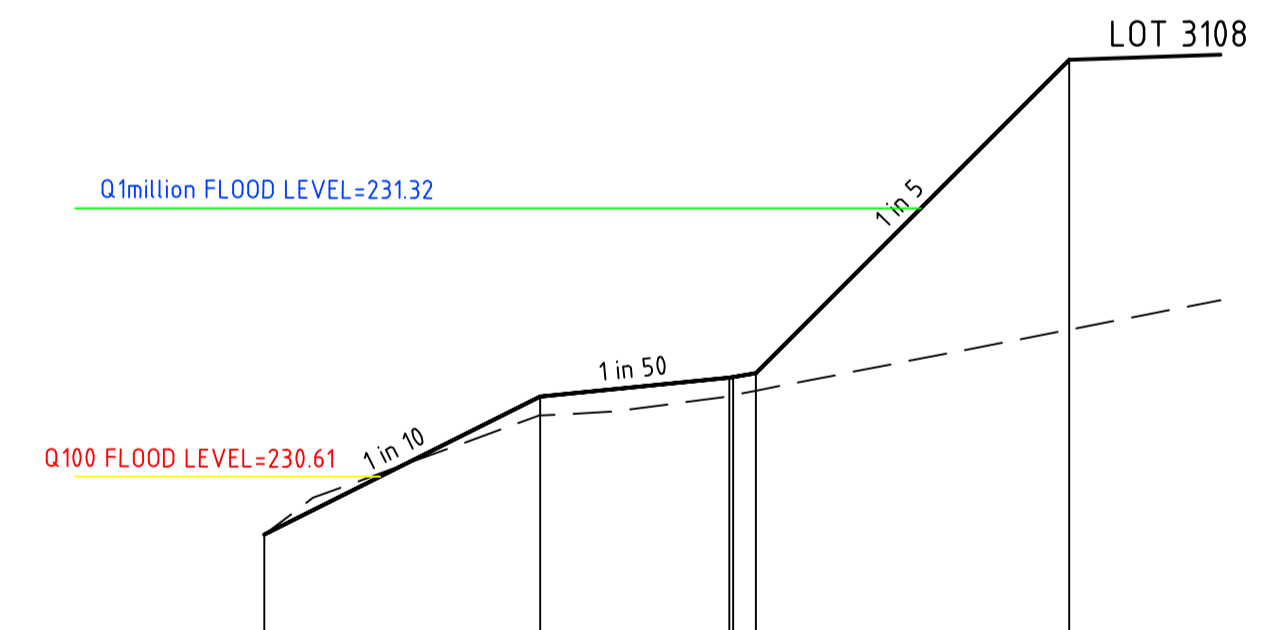
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DESIGN SURFACE LEVEL		230.532	230.896	230.946	231.911	
EXISTING SURFACE LEVEL		230.532	230.832	230.878	230.948	231.144
OFFSET		0.000	3.650	6.150	6.500	11.268

CH 128.17



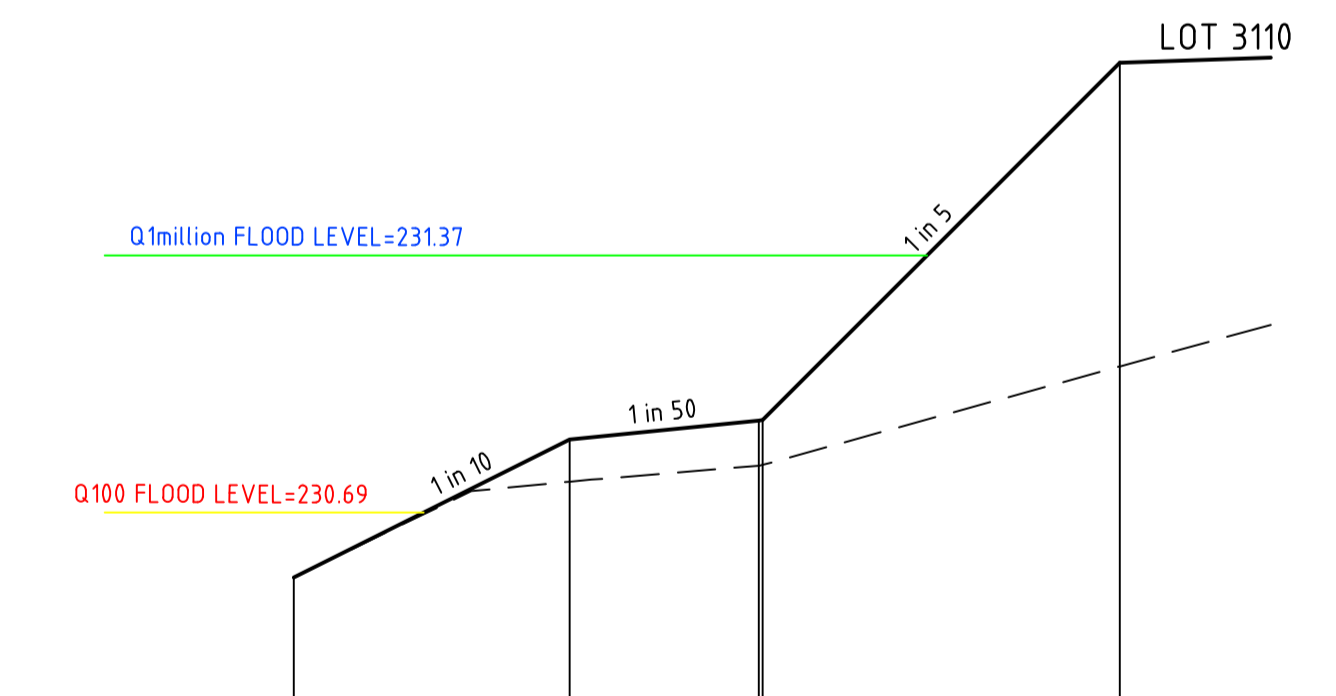
DATUM R.L. 230.0						
DESIGN SURFACE LEVEL		230.391	230.757	230.807	231.710	
EXISTING SURFACE LEVEL		230.391	230.714	230.774	230.808	230.947
OFFSET		0.000	3.650	6.150	6.500	10.956

CH 75.67



DATUM R.L. 230.0						
DESIGN SURFACE LEVEL		230.457	230.822	230.872	231.713	
EXISTING SURFACE LEVEL		230.457	230.772	230.824	230.873	230.999
OFFSET		0.000	3.650	6.150	6.500	10.648

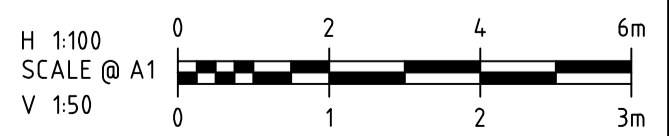
CH 100.17



DATUM R.L. 230.0						
DESIGN SURFACE LEVEL		230.518	230.883	230.933	231.879	
EXISTING SURFACE LEVEL		230.518	230.771	230.814	230.934	231.076
OFFSET		0.000	3.650	6.150	6.200	10.926

CH 123.17

REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
D	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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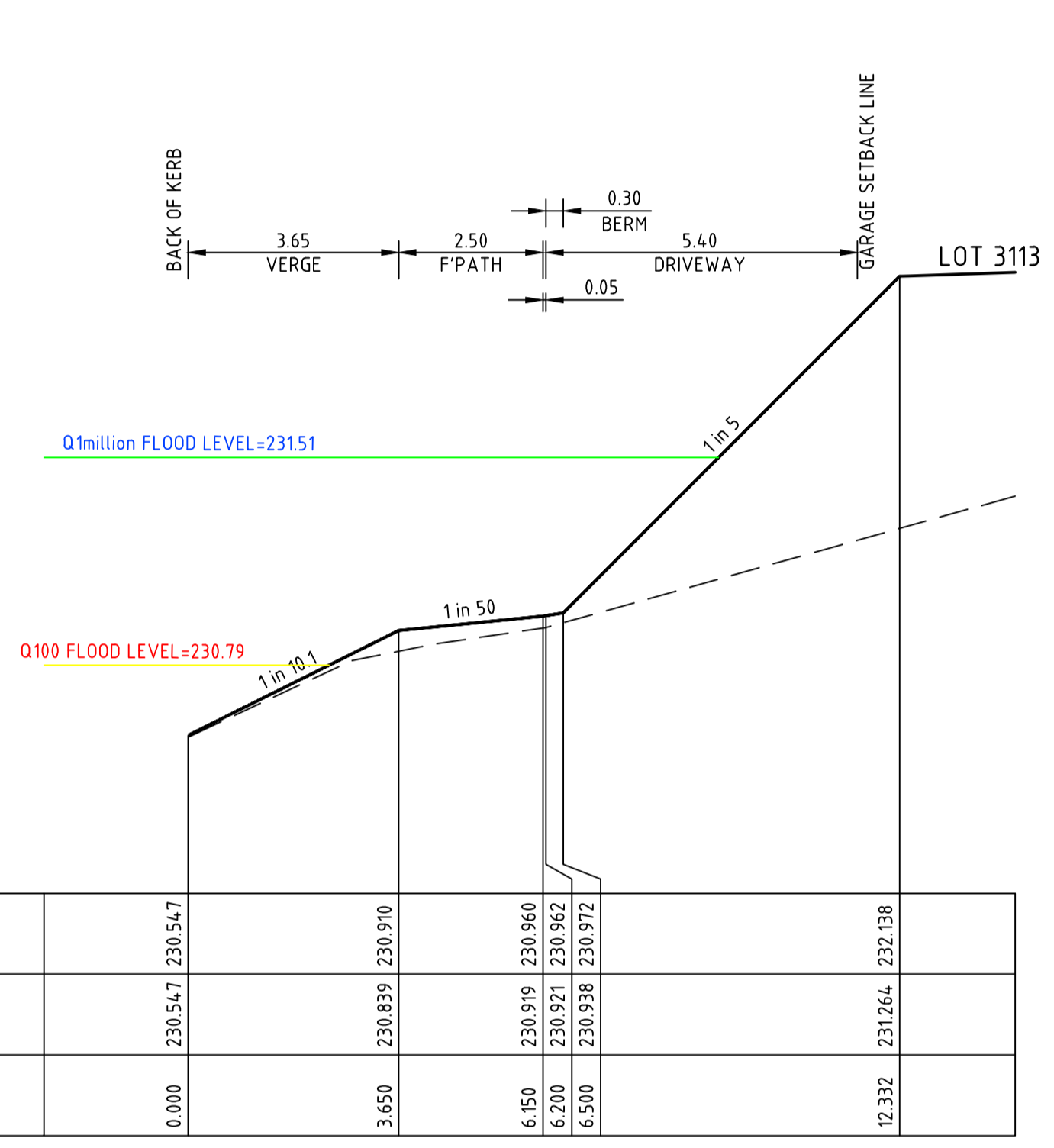
CLIENT: **PEET**

APPROVED: *R. Todd*

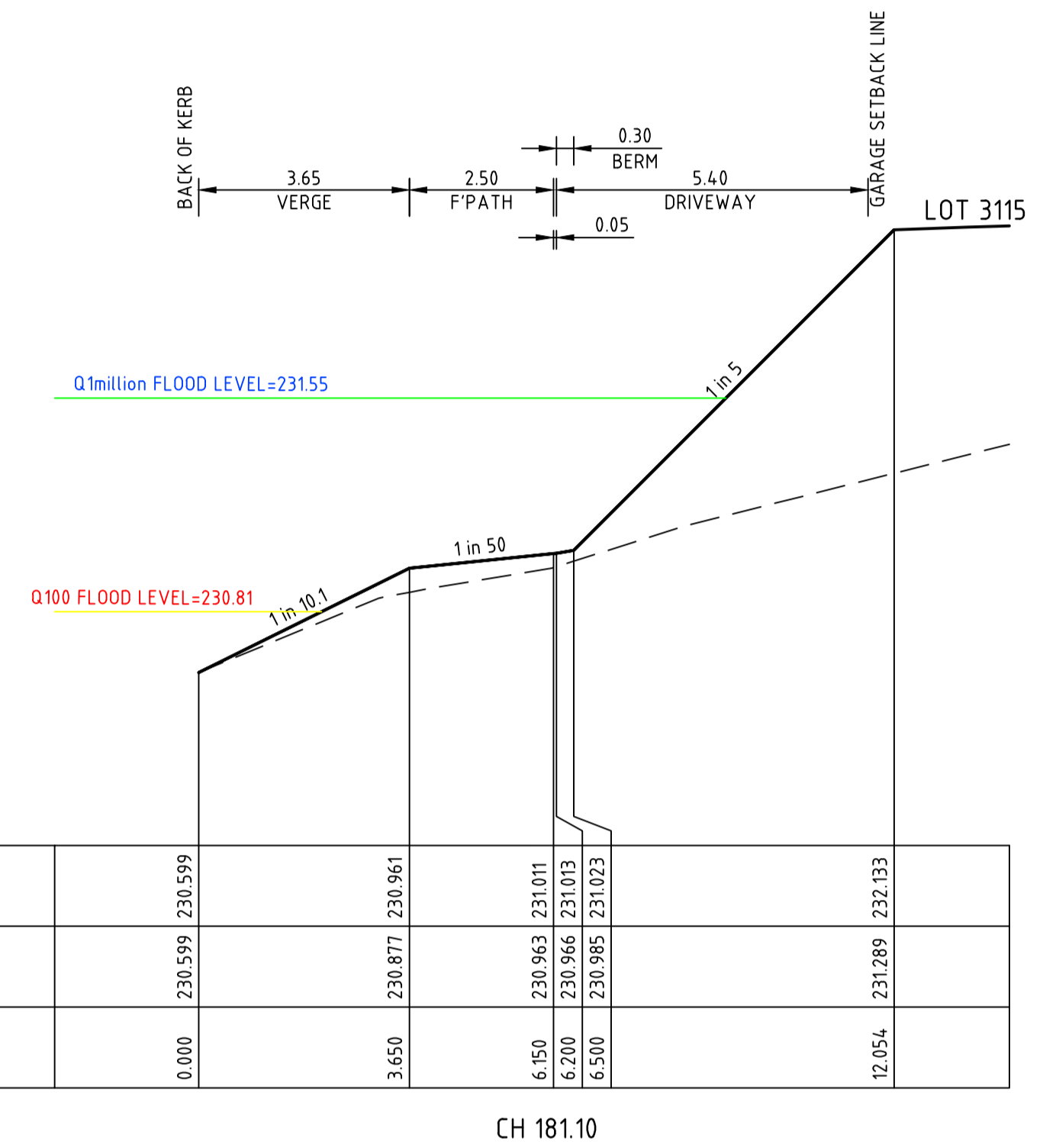
DESIGNED: MA
SCALE: AS SHOWN

PROJECT: ASTON ESTATE
TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS
MUNICIPALITY: HUME CITY COUNCIL
PP No: P19872
DRAWING No: 3161-31-221
REVISION: 0

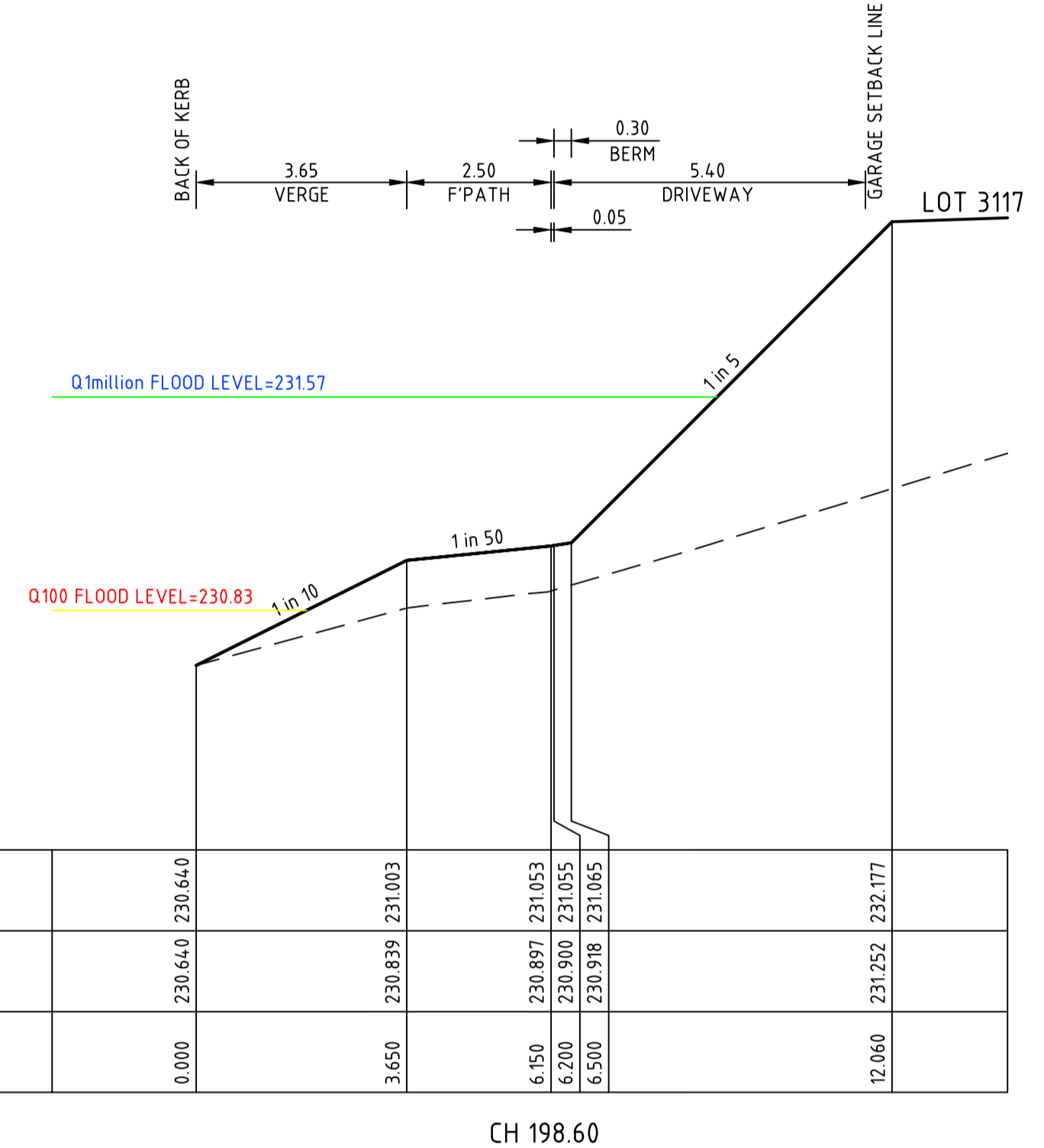
ORIGINAL SIZE A1



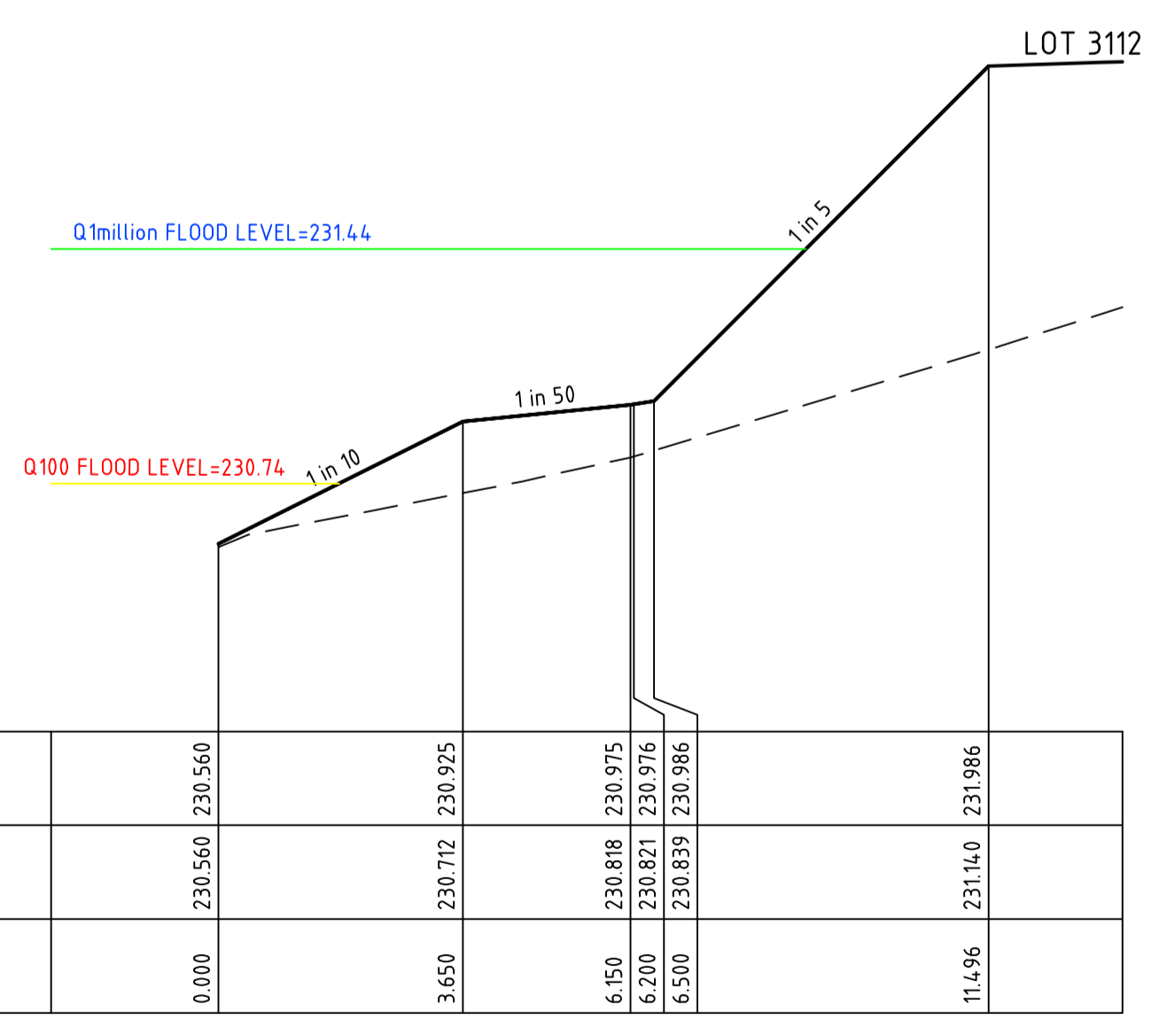
CH 160.10



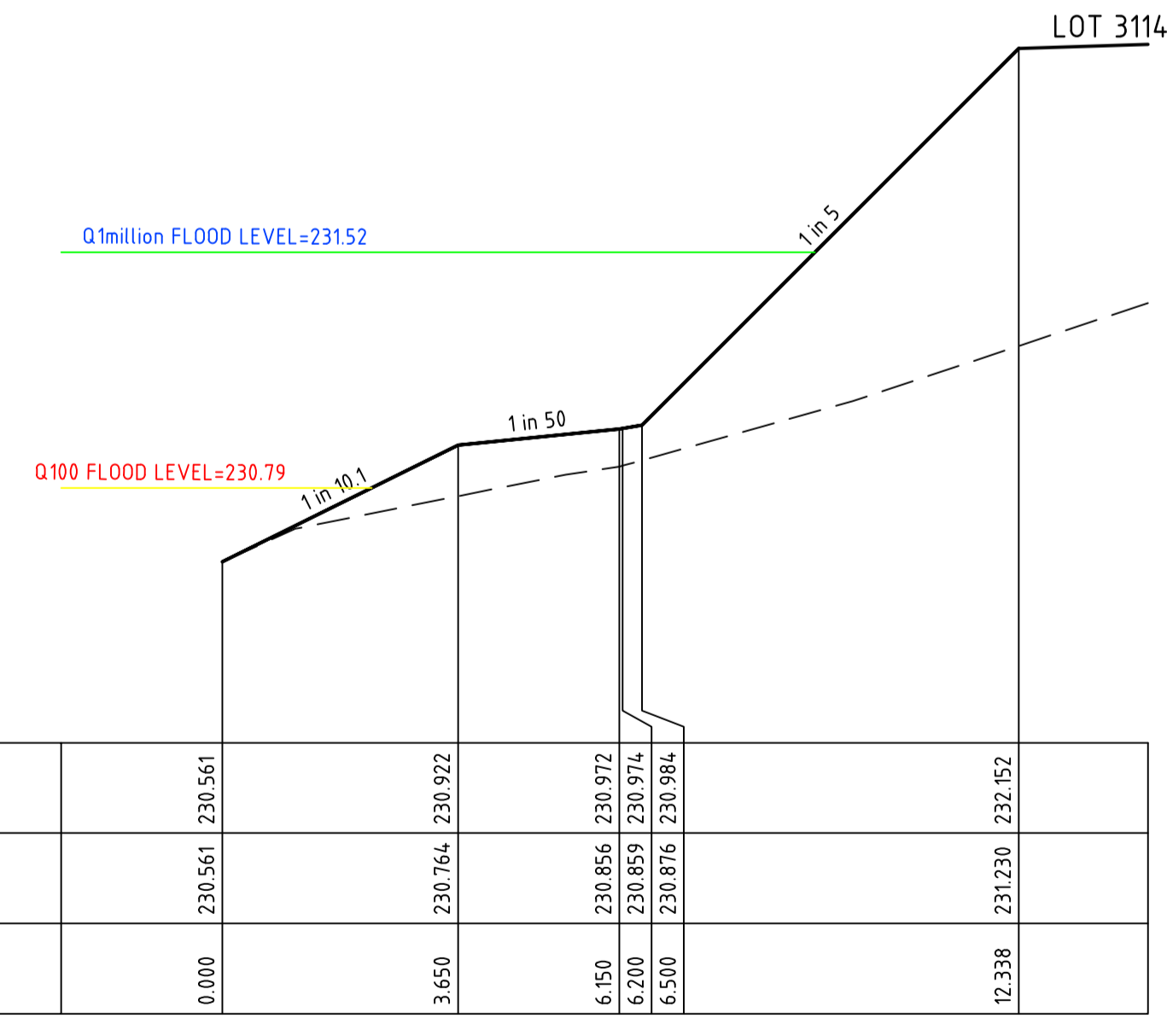
CH 181.10



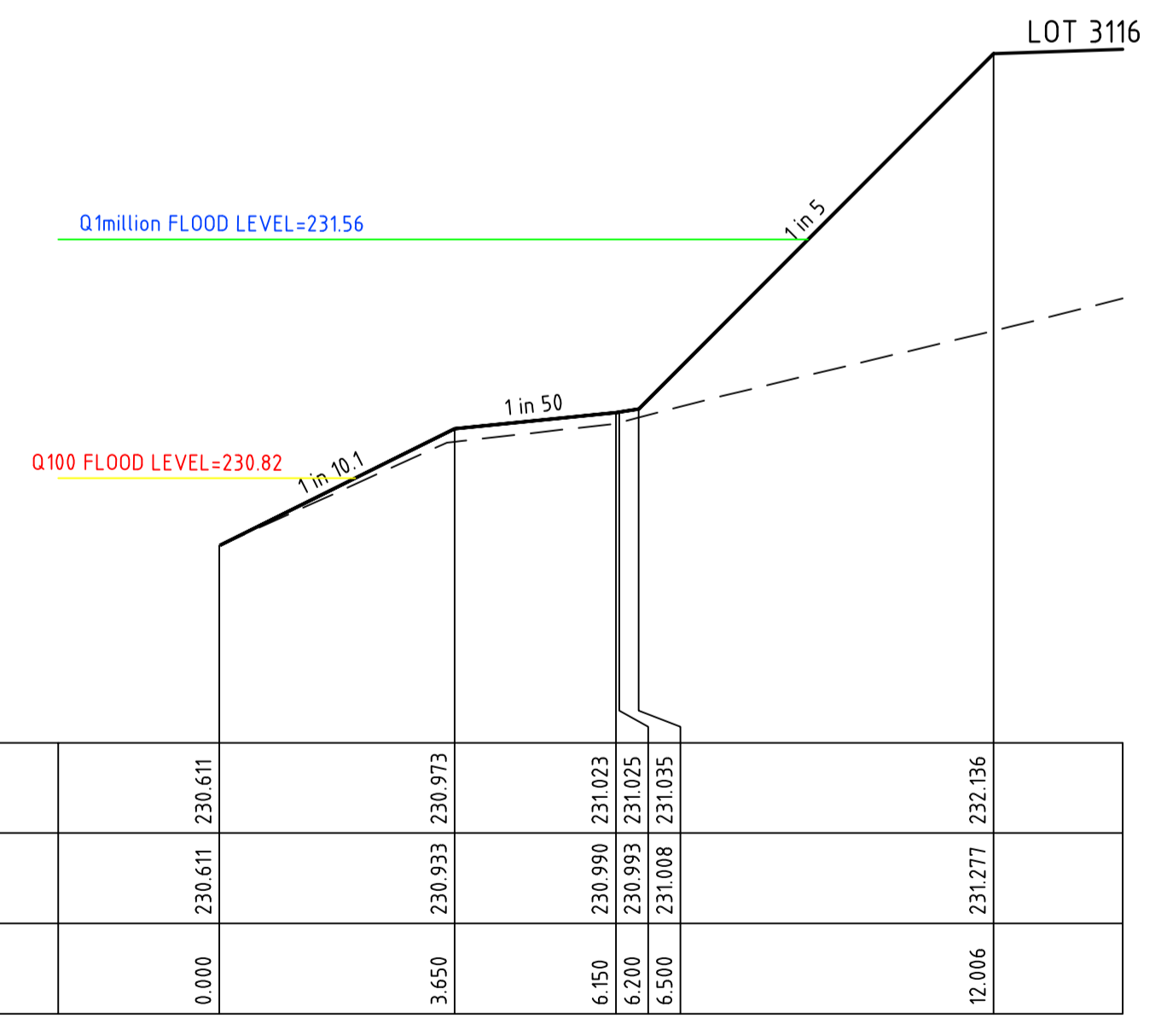
CH 198.60



CH 138.67

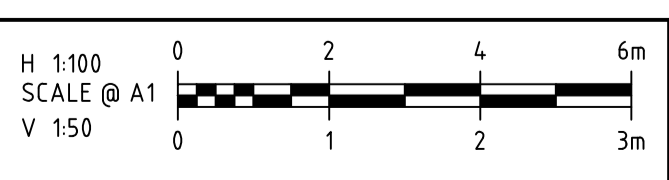


CH 165.10



CH 186.10

REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
D	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT: **PEET**

APPROVED: *R. Zoda*

DESIGNED: MA

SCALE: AS SHOWN

PROJECT: ASTON ESTATE

TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS

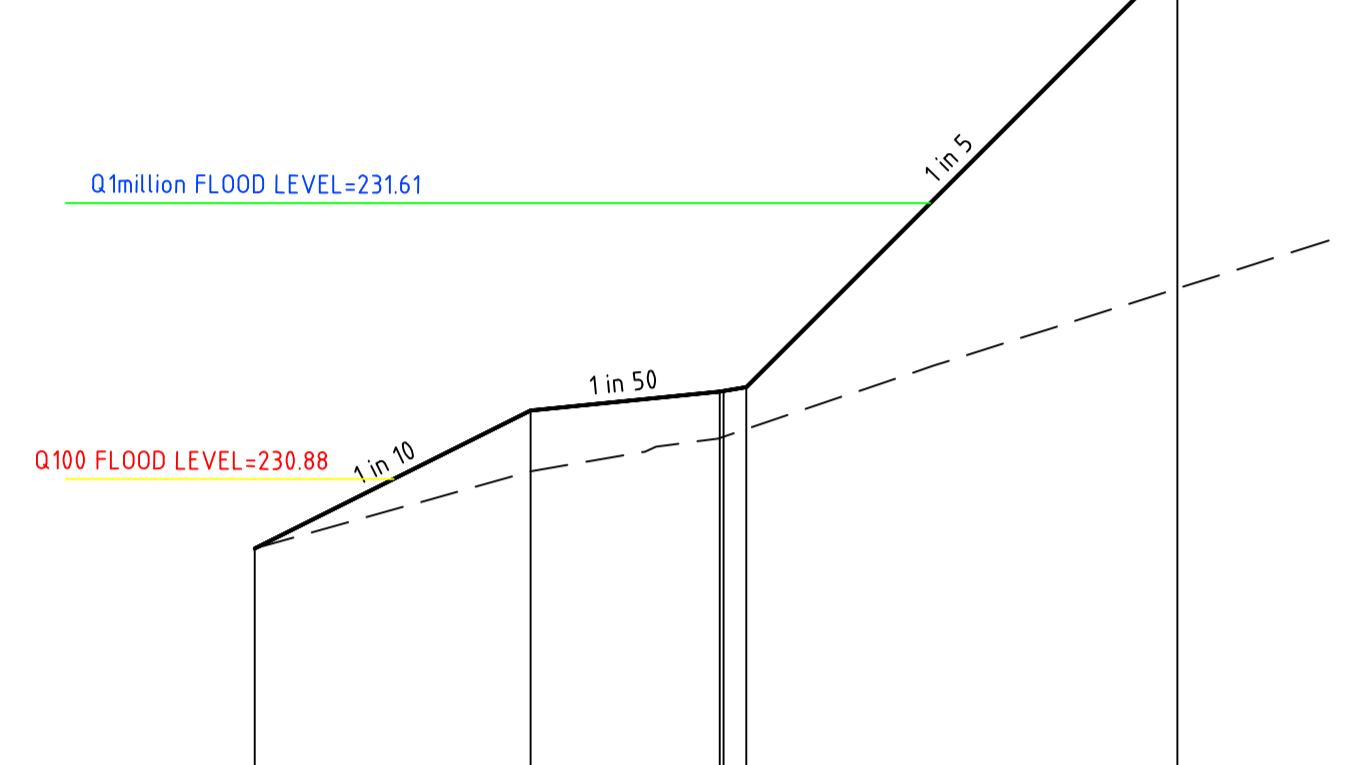
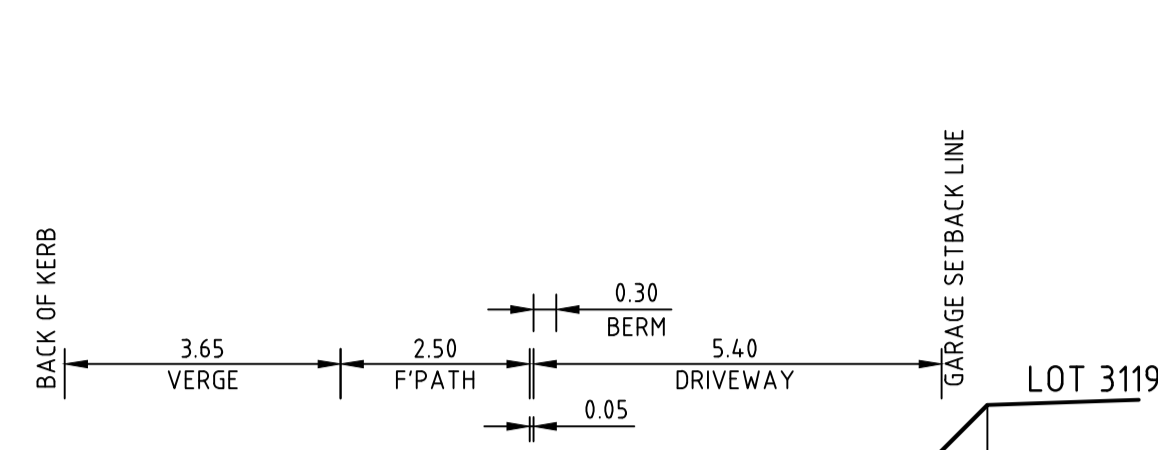
MUNICIPALITY: HUME CITY COUNCIL

PP No: P19872

DRAWING No: 3161-31-222

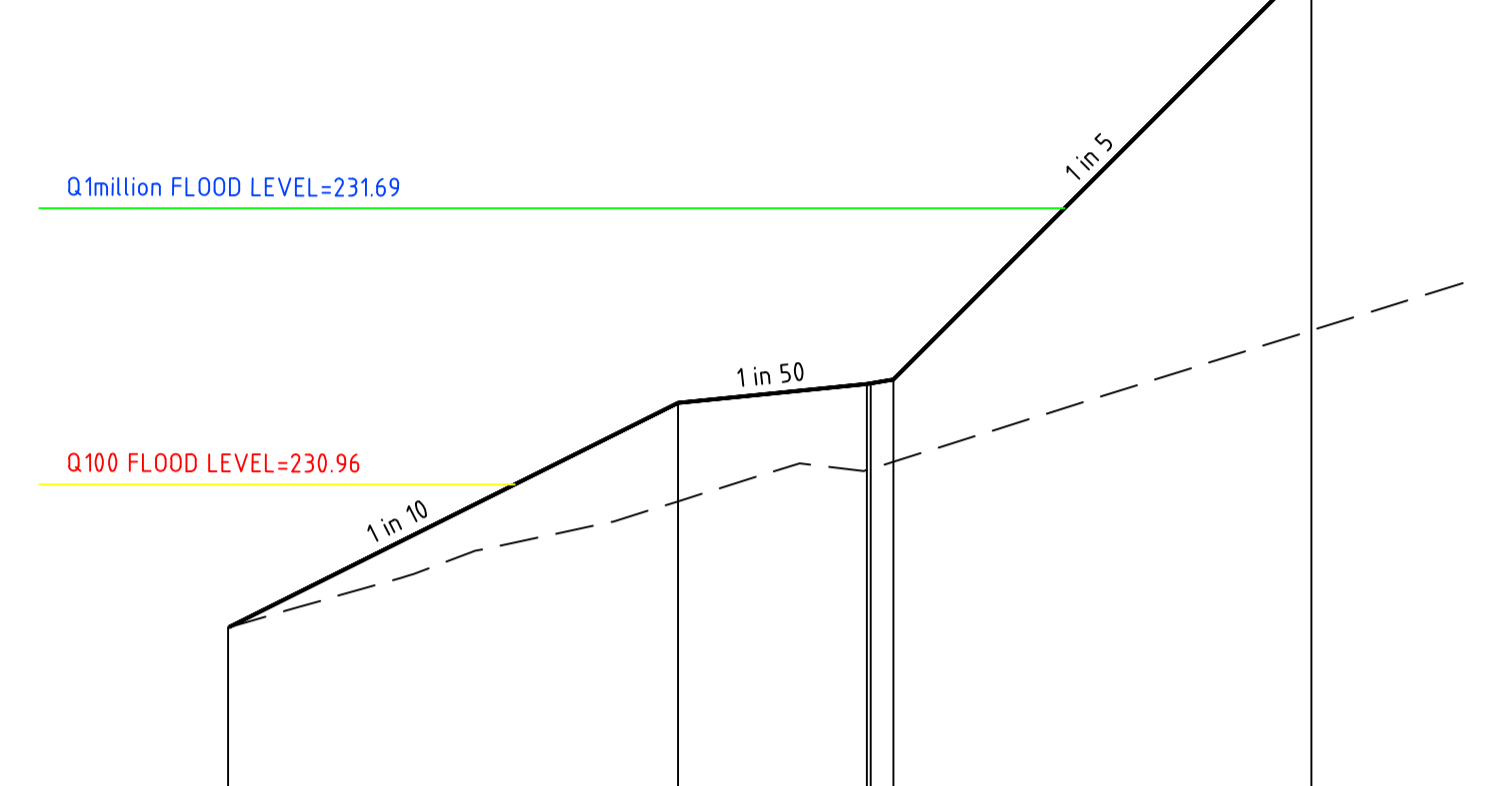
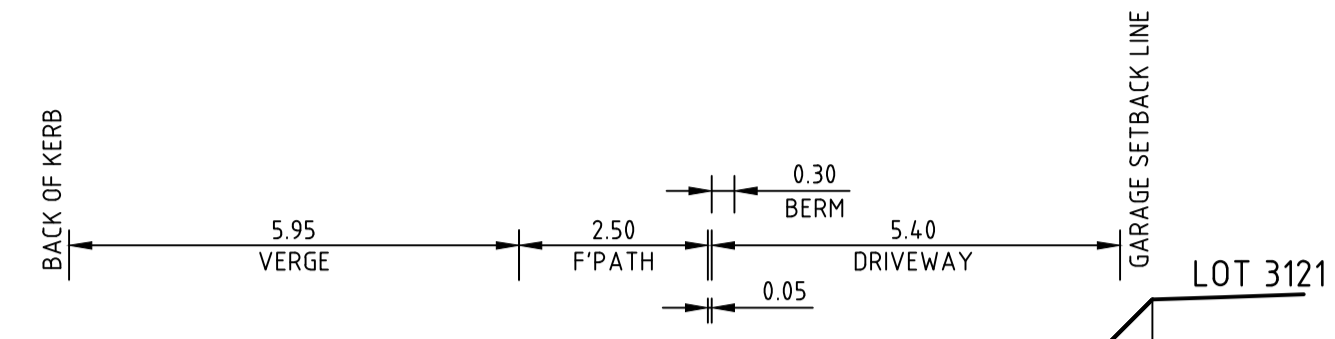
REVISION: 0

ORIGINAL SIZE A1



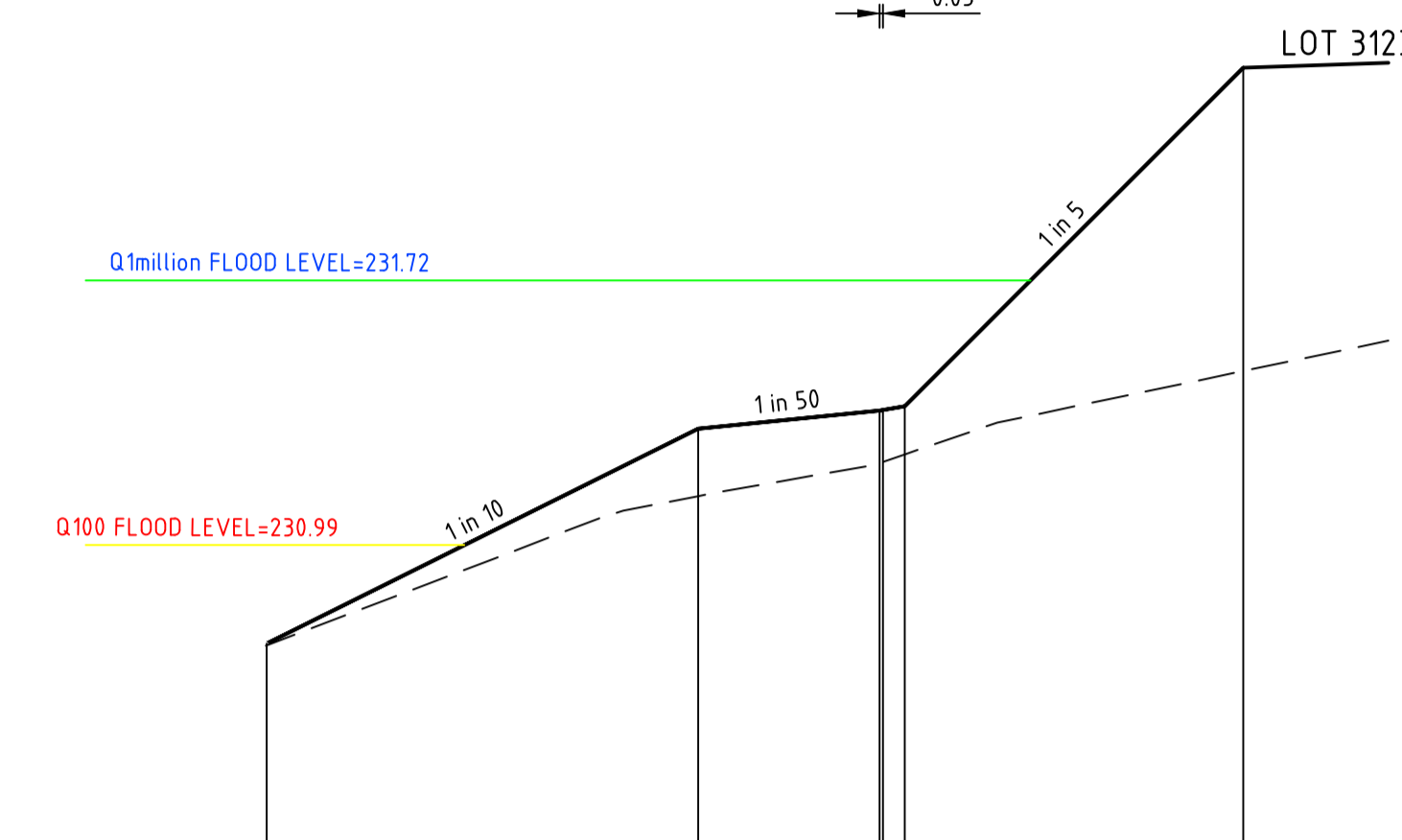
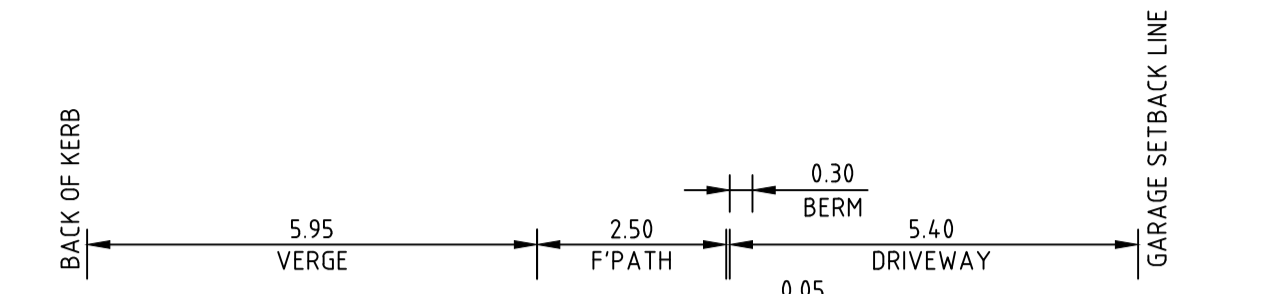
DATUM R.L. 230.0			
DESIGN SURFACE LEVEL		230.696	232.264
EXISTING SURFACE LEVEL		230.702	231.384
OFFSET		0.000	12.204

CH 223.10



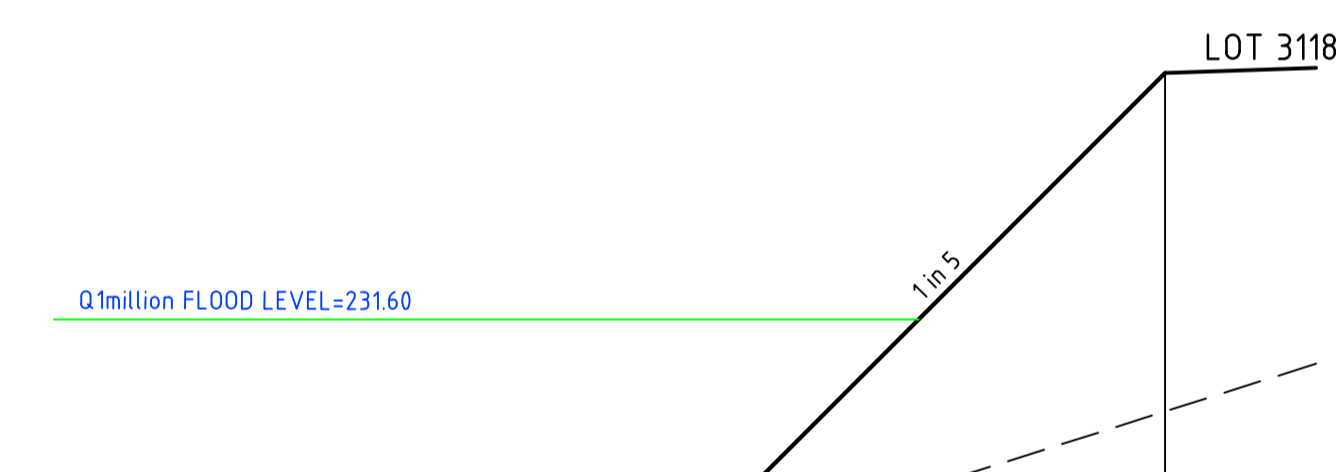
DATUM R.L. 230.0			
DESIGN SURFACE LEVEL		230.582	232.343
EXISTING SURFACE LEVEL		230.580	231.367
OFFSET		0.000	14.329

CH 248.71



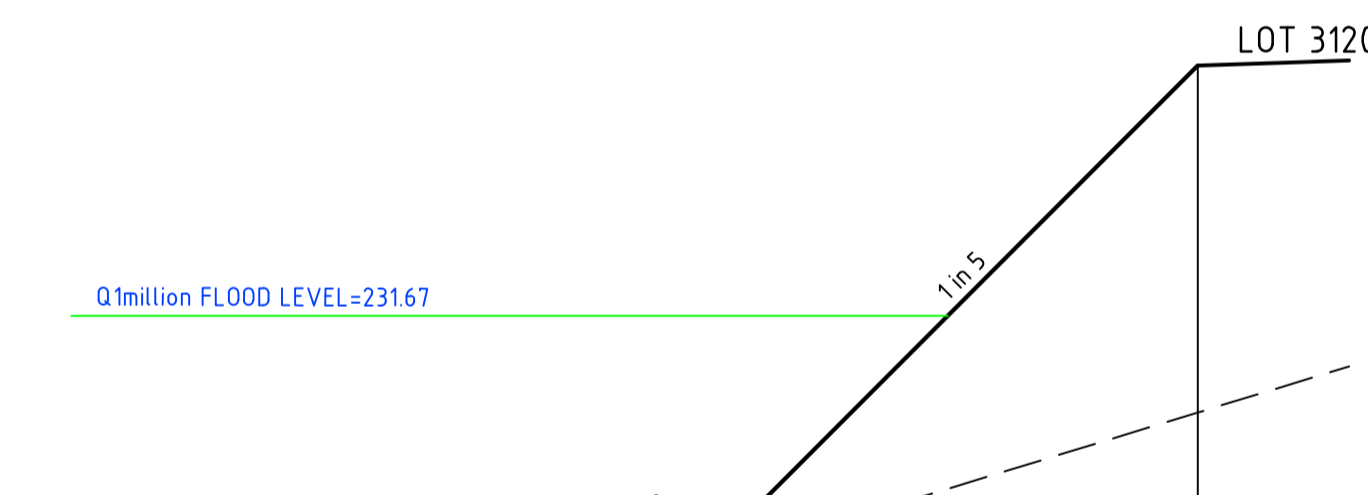
DATUM R.L. 230.0			
DESIGN SURFACE LEVEL		230.719	232.307
EXISTING SURFACE LEVEL		230.714	231.470
OFFSET		0.000	13.469

CH 273.32



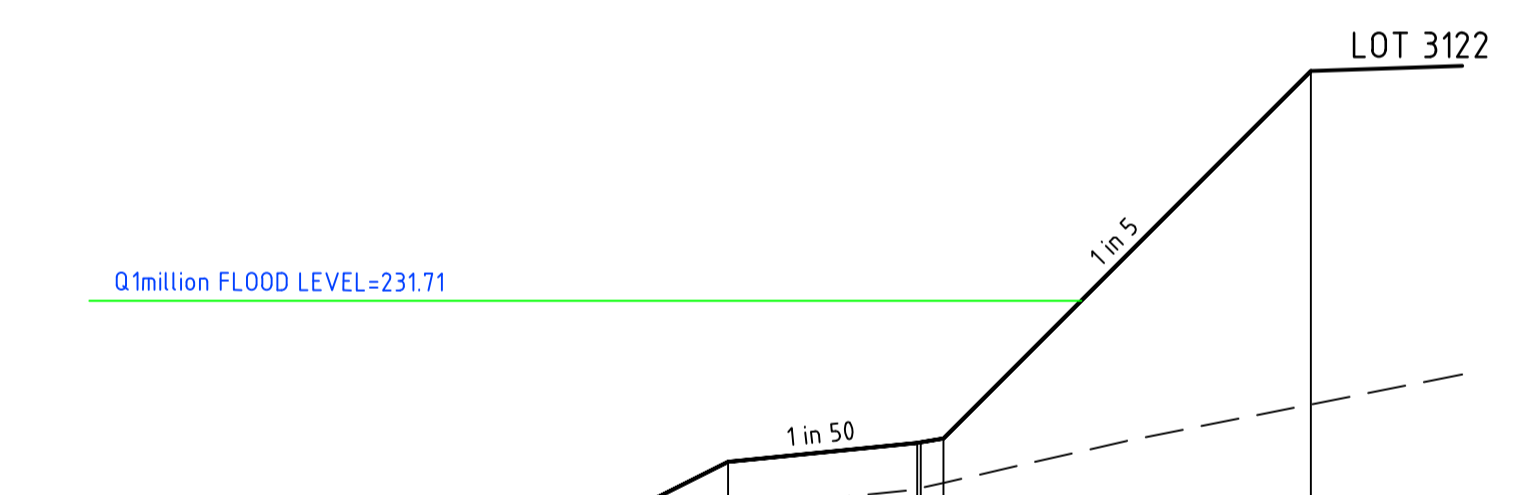
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DESIGN SURFACE LEVEL		230.685	232.251
EXISTING SURFACE LEVEL		230.687	231.356
OFFSET		0.000	12.198

CH 218.10



DATUM R.L. 230.0			
DESIGN SURFACE LEVEL		230.734	232.332
EXISTING SURFACE LEVEL		230.730	231.414
OFFSET		0.000	12.404

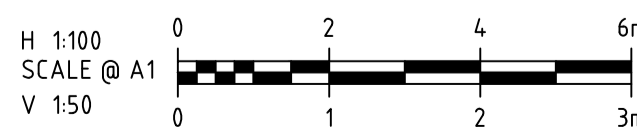
CH 241.10



DATUM R.L. 230.0			
DESIGN SURFACE LEVEL		230.686	232.317
EXISTING SURFACE LEVEL		230.685	231.436
OFFSET		0.000	13.661

CH 268.32

REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
D	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



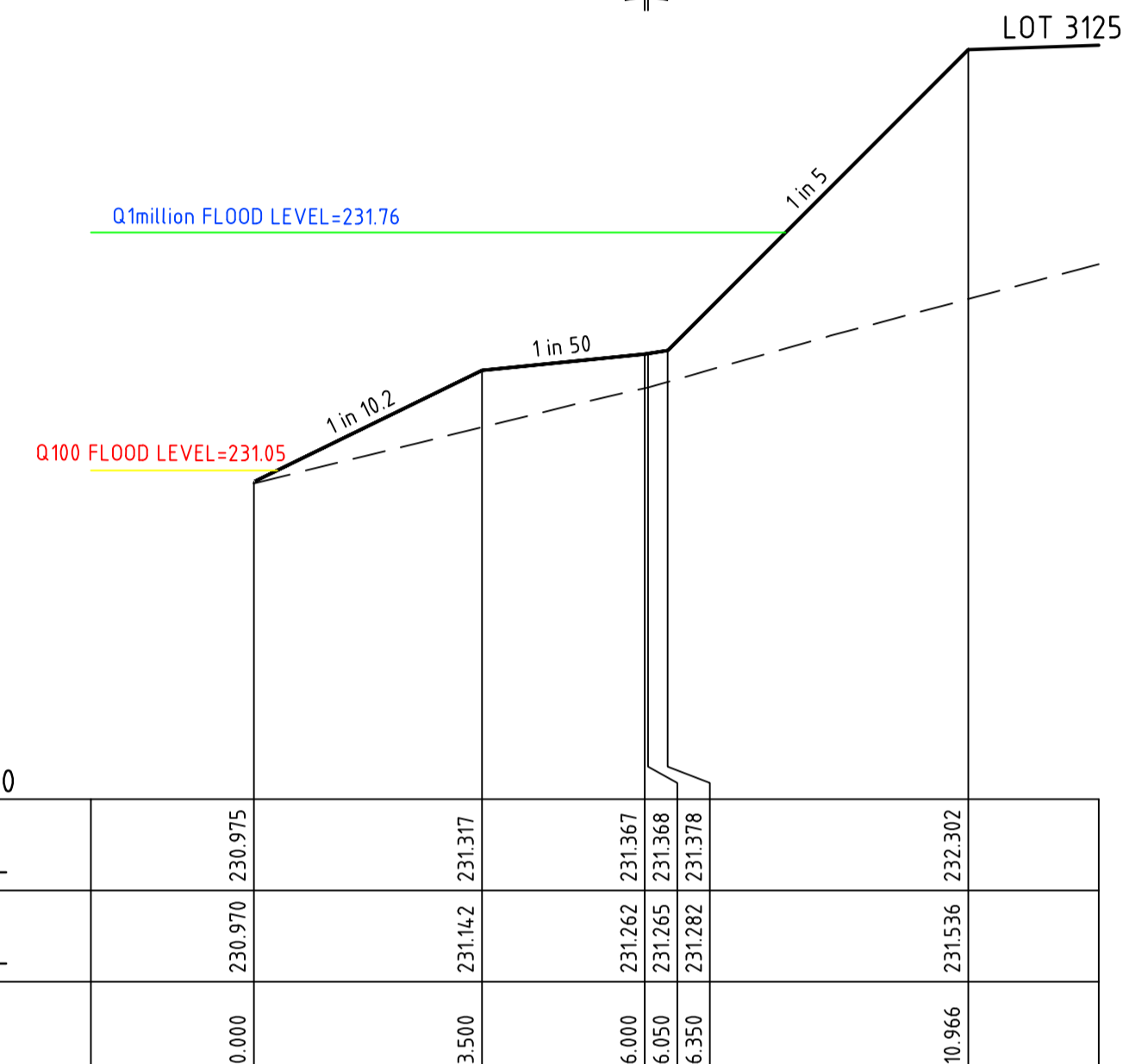
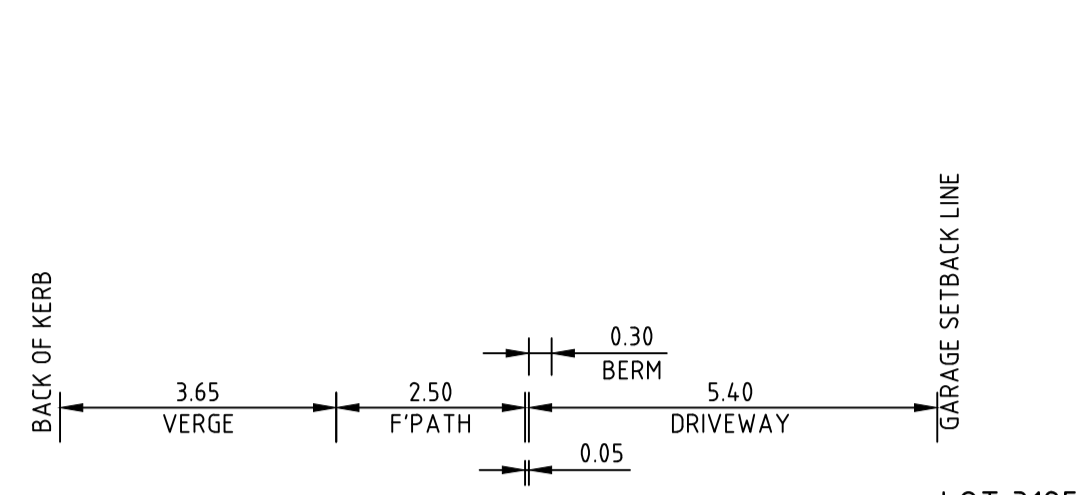
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 Mailing Address: PO Box 33152, Melbourne VIC 3004
 Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
 T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT: **PEET**
 APPROVED: *R Loda*
 DESIGNED: MA
 SCALE: AS SHOWN

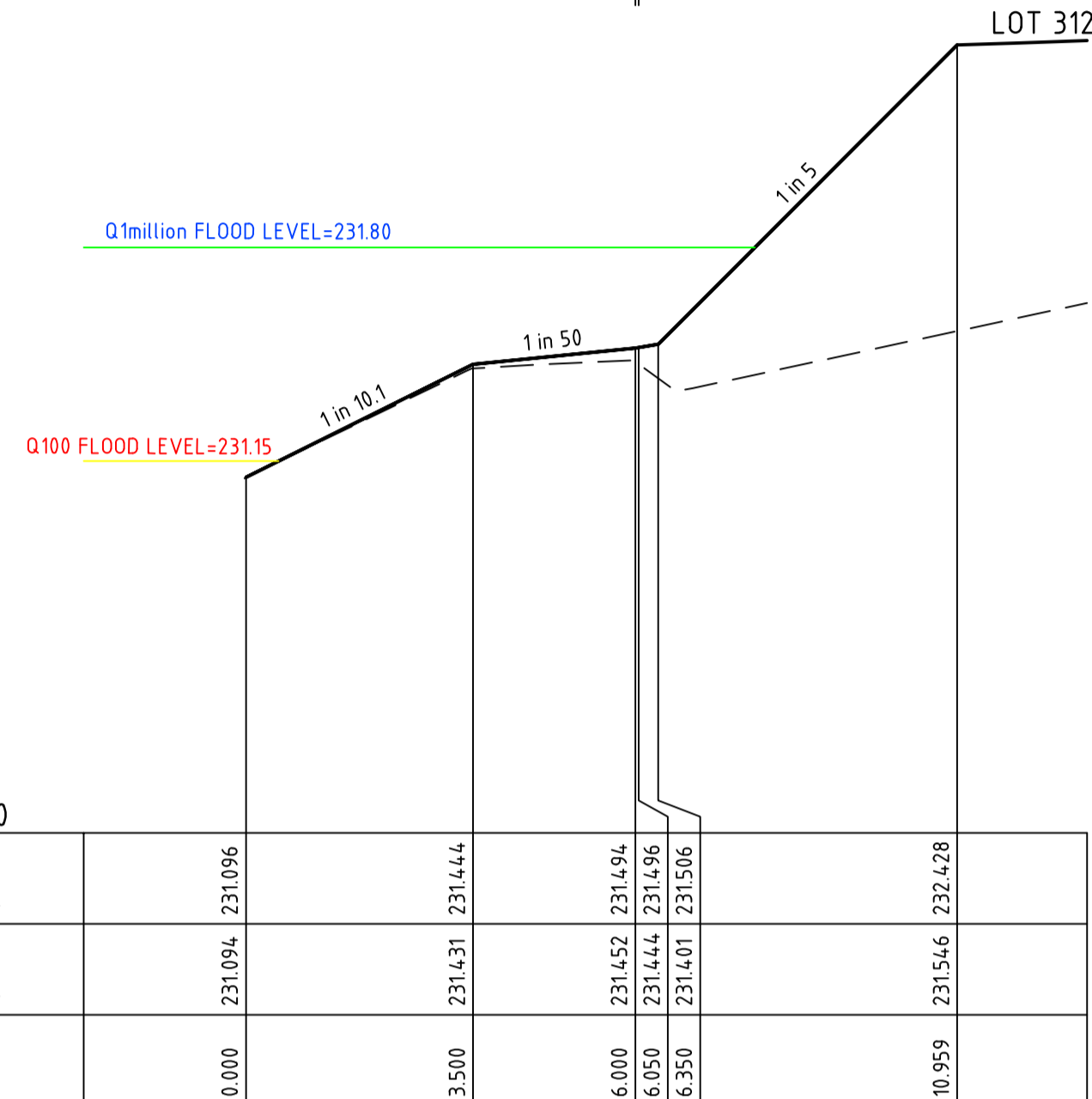
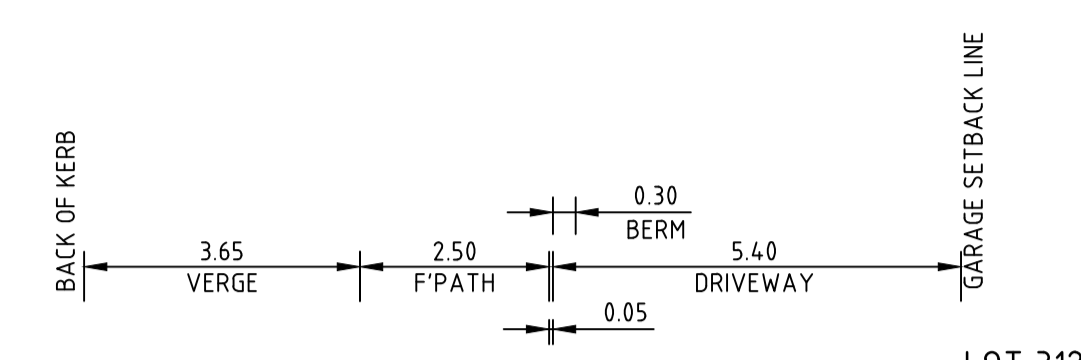
PROJECT: ASTON ESTATE
 TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS
 MUNICIPALITY: HUME CITY COUNCIL
 PP No: P19872
 DRAWING No: 3161-31-223
 REVISION: 0

ORIGINAL SIZE A1



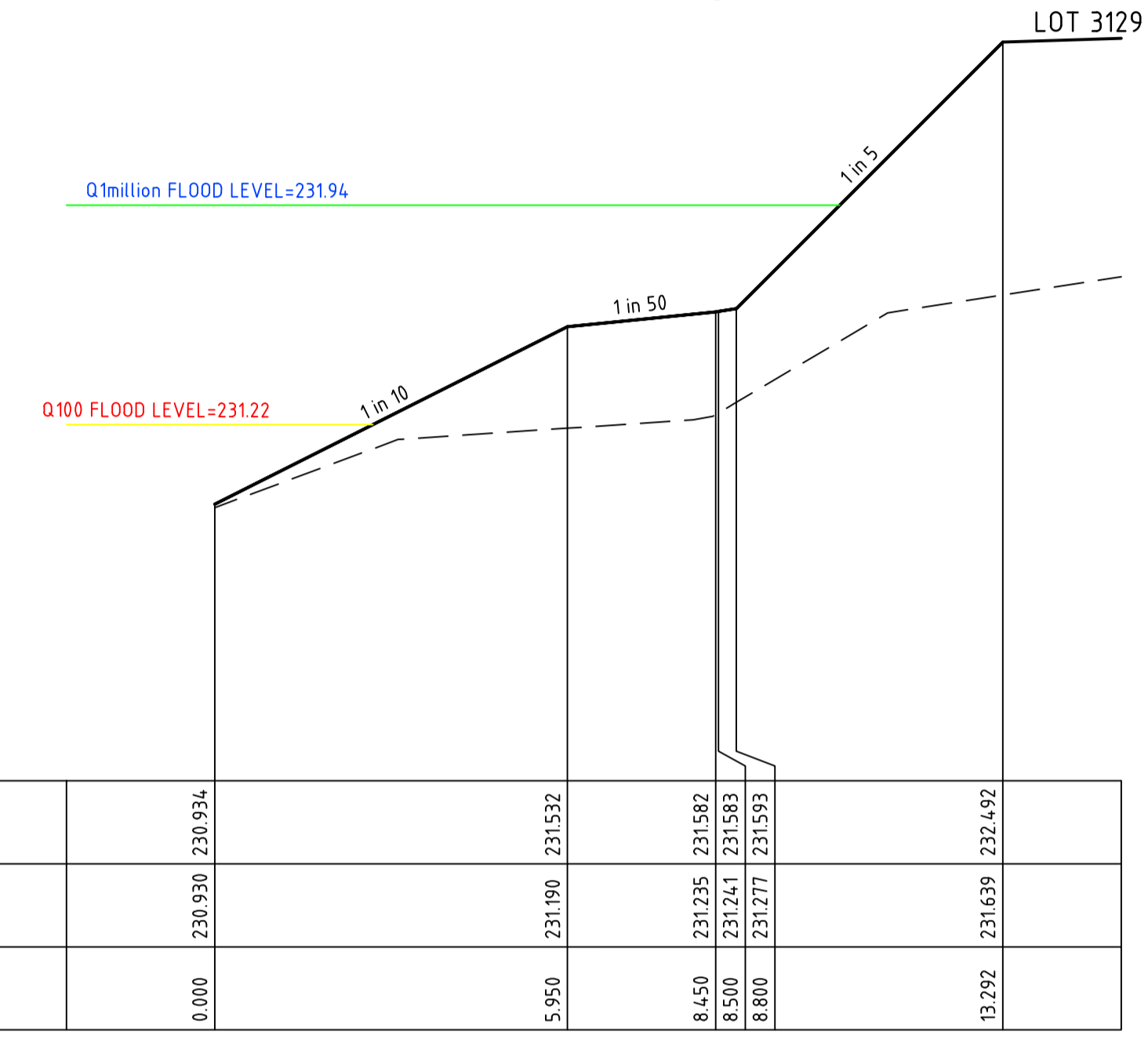
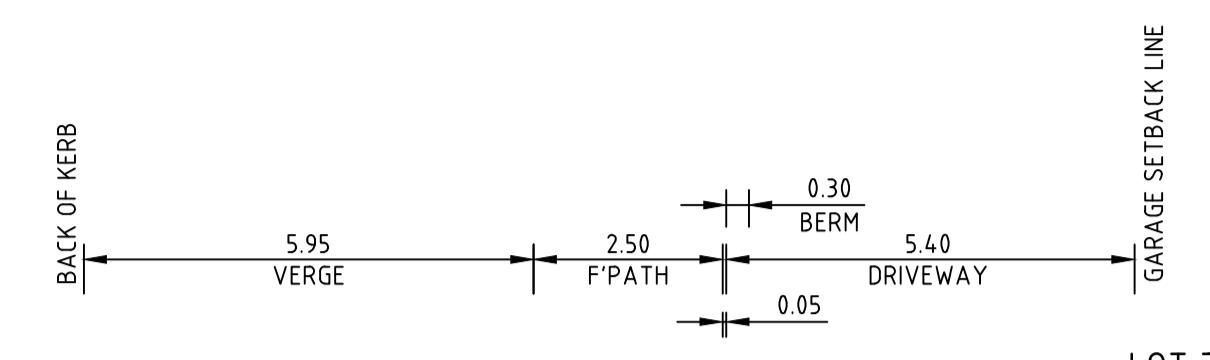
DATUM R.L. 230.0	
DESIGN SURFACE LEVEL	230.975
EXISTING SURFACE LEVEL	230.970
OFFSET	0.000

CH 304.61



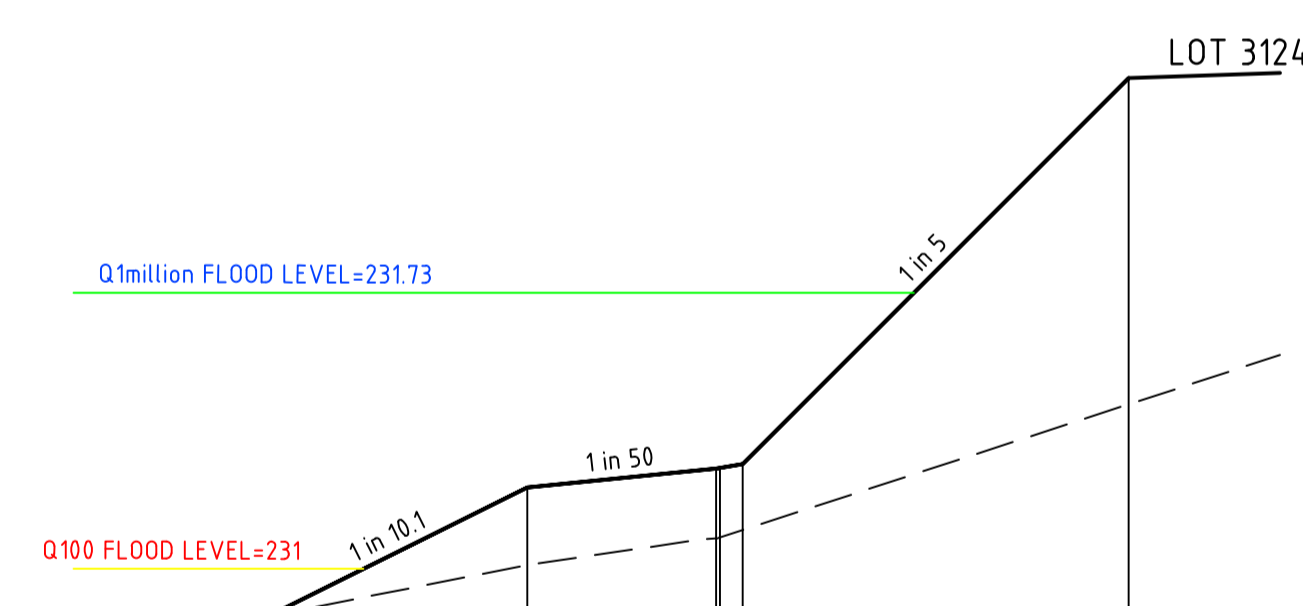
DATUM R.L. 230.0	
DESIGN SURFACE LEVEL	231.096
EXISTING SURFACE LEVEL	231.094
OFFSET	0.000

CH 325.96



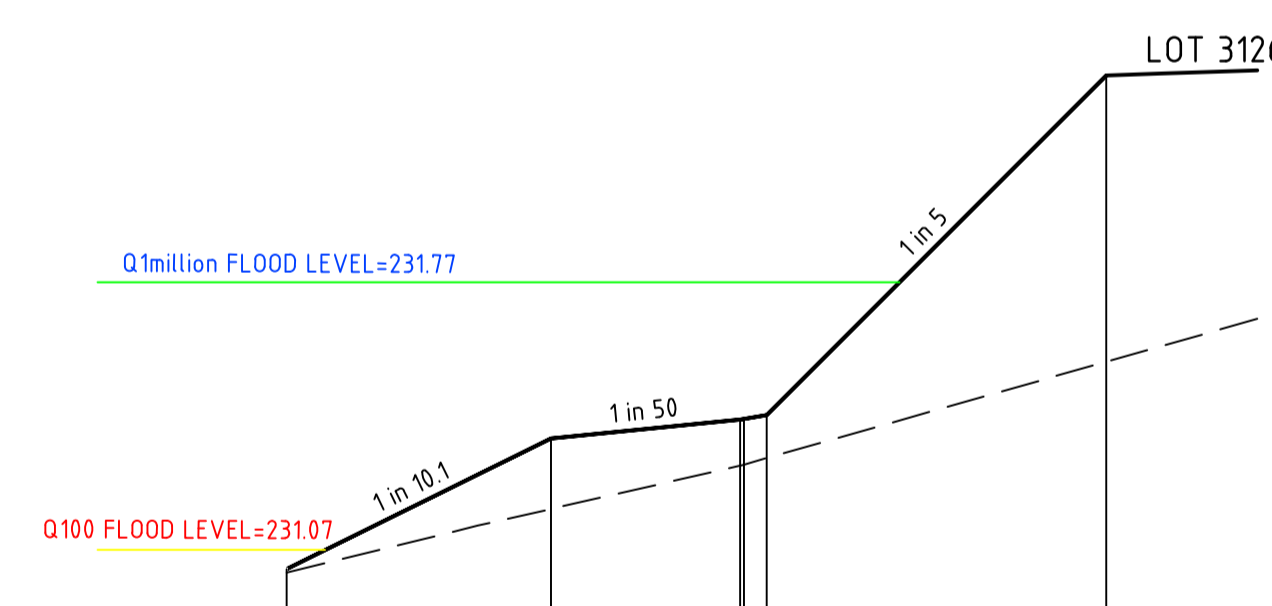
DATUM R.L. 230.0	
DESIGN SURFACE LEVEL	230.934
EXISTING SURFACE LEVEL	230.930
OFFSET	0.000

CH 345.89



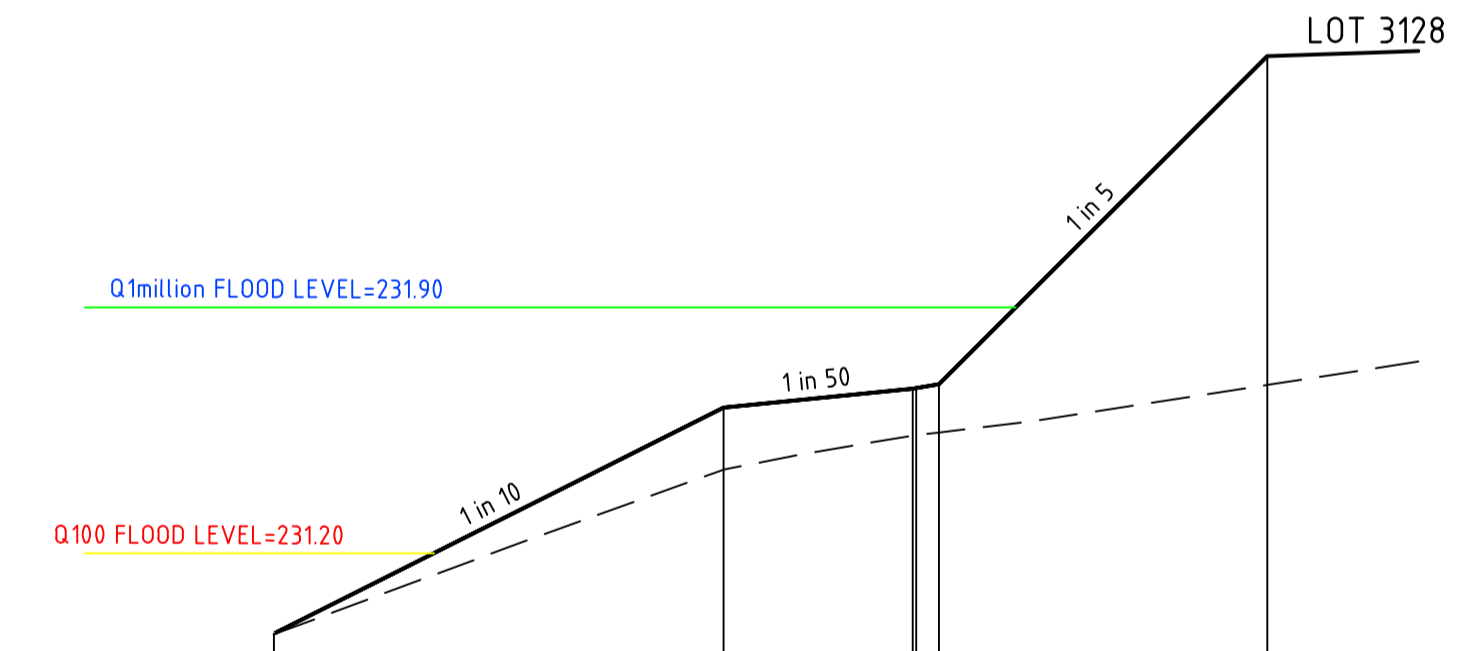
DATUM R.L. 230.0	
DESIGN SURFACE LEVEL	230.867
EXISTING SURFACE LEVEL	230.869
OFFSET	0.000

CH 286.61



DATUM R.L. 230.0	
DESIGN SURFACE LEVEL	230.999
EXISTING SURFACE LEVEL	230.996
OFFSET	0.000

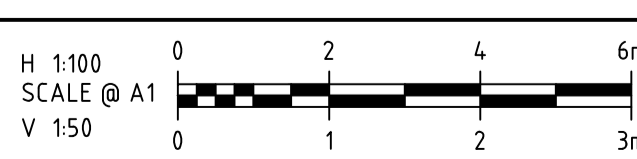
CH 309.61



DATUM R.L. 230.0	
DESIGN SURFACE LEVEL	230.947
EXISTING SURFACE LEVEL	230.946
OFFSET	0.000

CH 340.89

0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



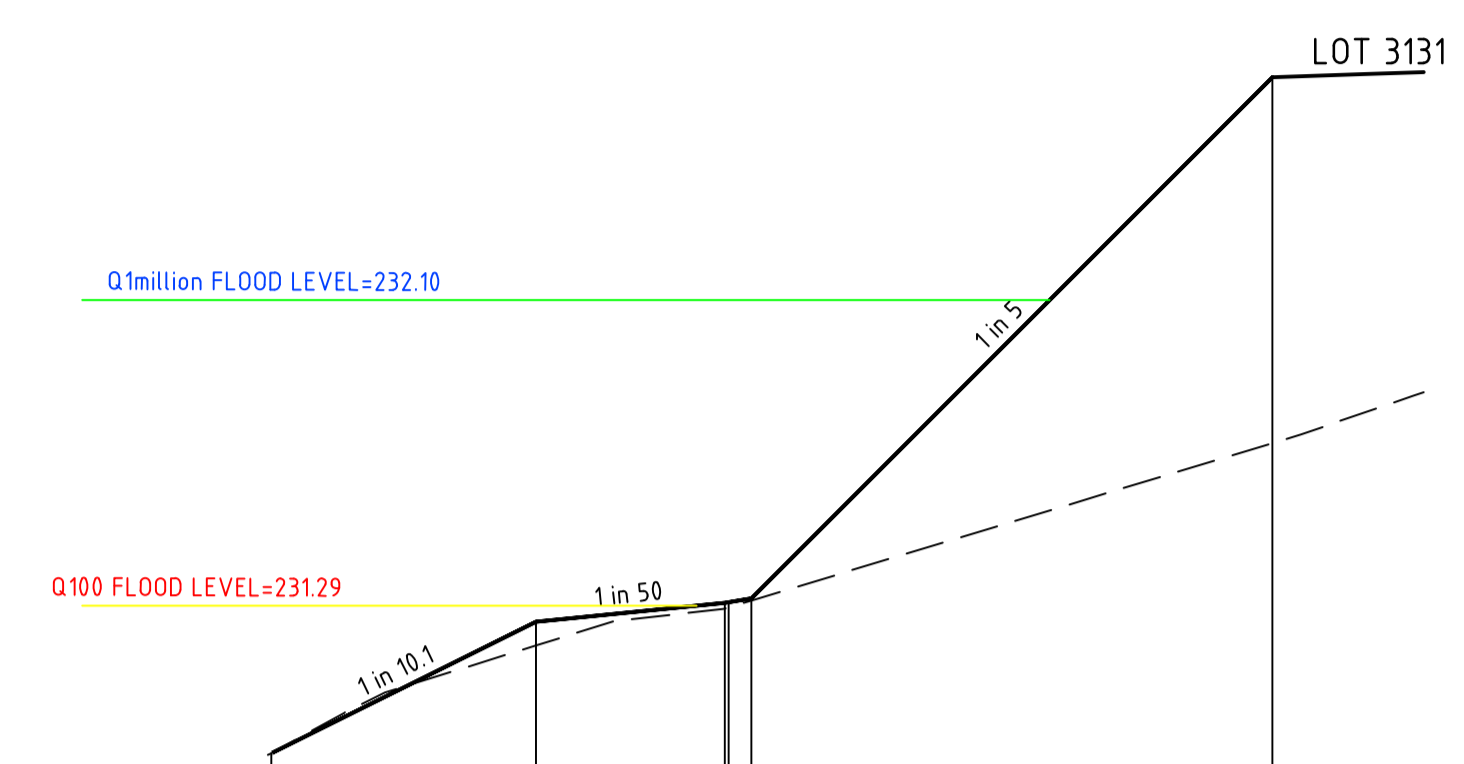
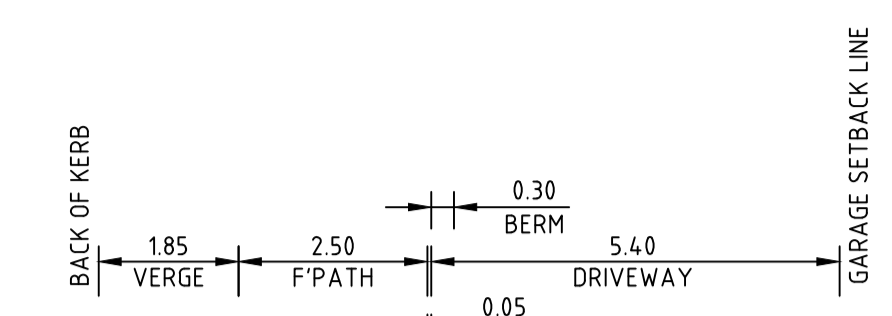
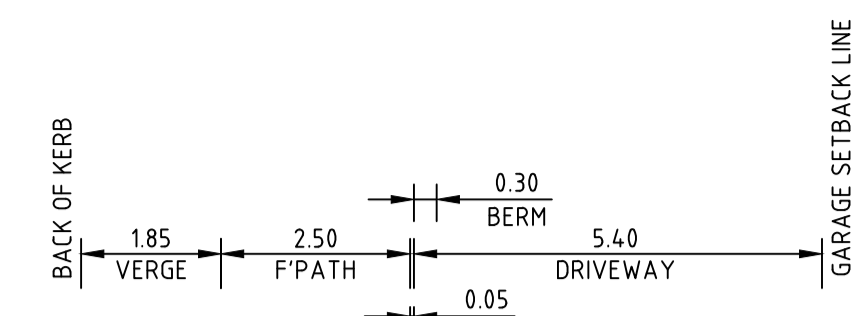
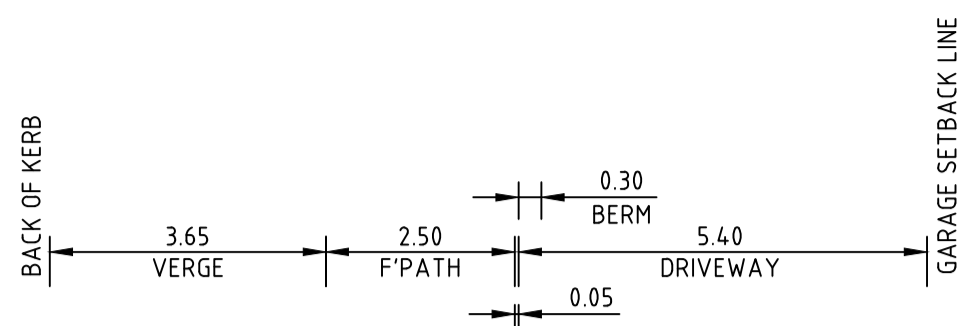
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Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
T (03) 8548 1560 E melbourne@cossweb.com.au

PEET
APPROVED: *R. Todd*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT: ASTON ESTATE
TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS
MUNICIPALITY: HUME CITY COUNCIL
PP No.: P19872
DRAWING No.: 3161-31-224
REVISION: 0

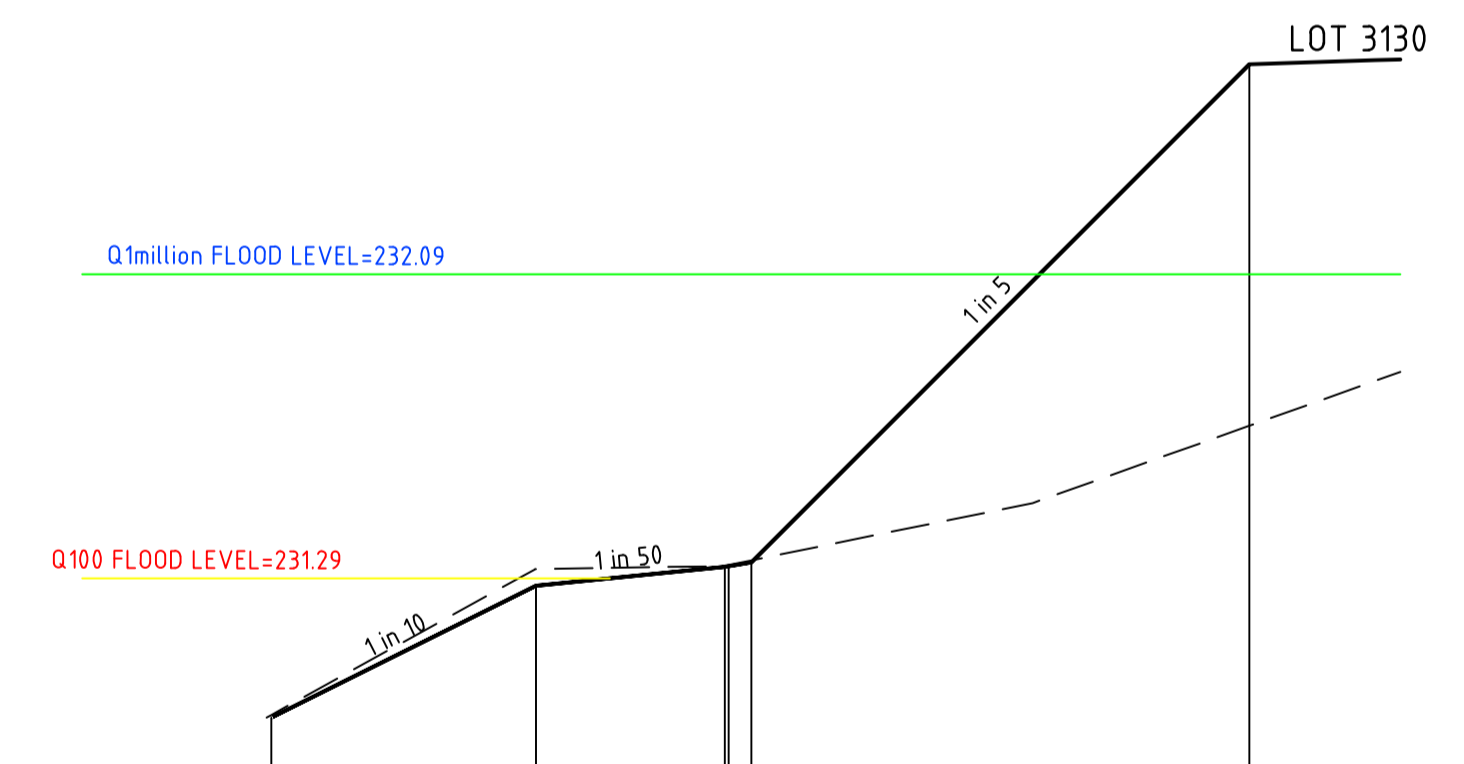
ORIGINAL SIZE A1



DATUM R.L.230.0

DESIGN SURFACE LEVEL		230.901	231.249	231.299	231.301	231.311	232.690
EXISTING SURFACE LEVEL		230.902	231.087	231.284	231.287	231.306	231.722
OFFSET		0.000	3.500	6.000	6.050	6.350	13.243

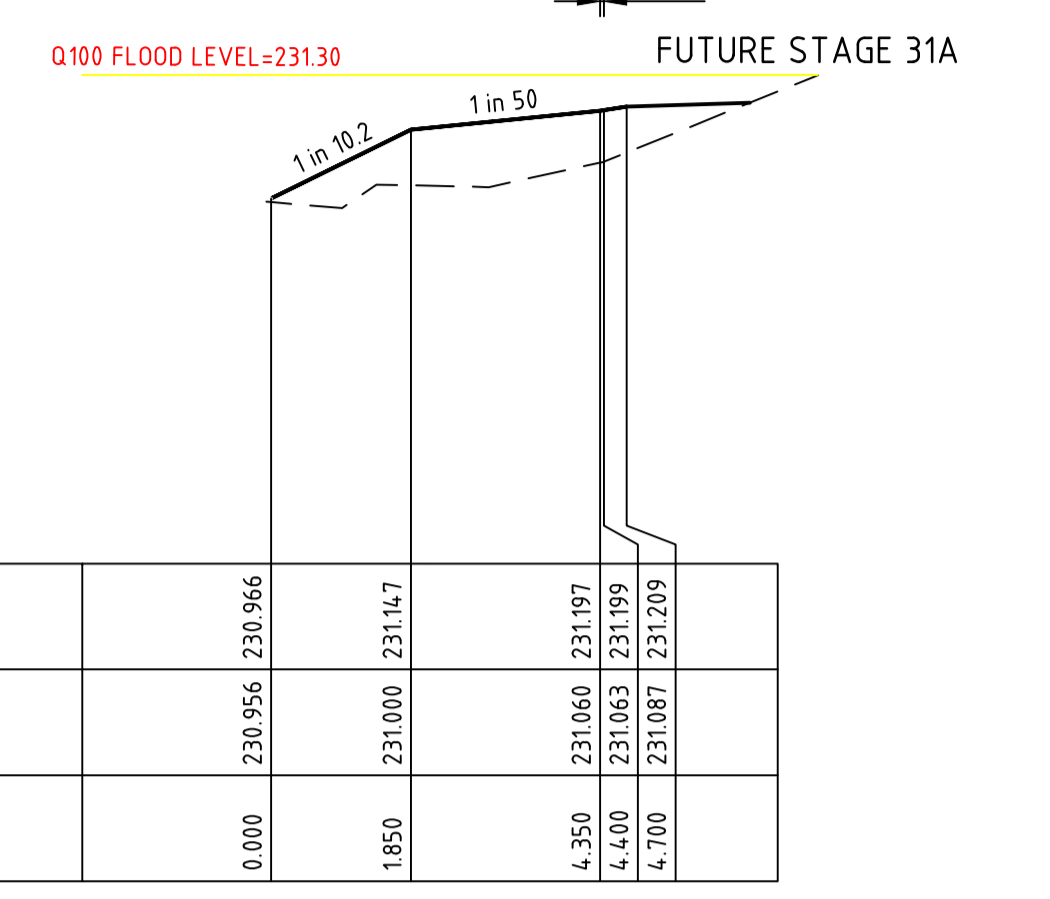
CH 373.18



DATUM R.L.230.0

DESIGN SURFACE LEVEL		230.922	231.270	231.320	231.322	231.332	232.649
EXISTING SURFACE LEVEL		230.928	231.314	231.323	231.325	231.337	231.693
OFFSET		0.000	3.500	6.000	6.050	6.350	12.936

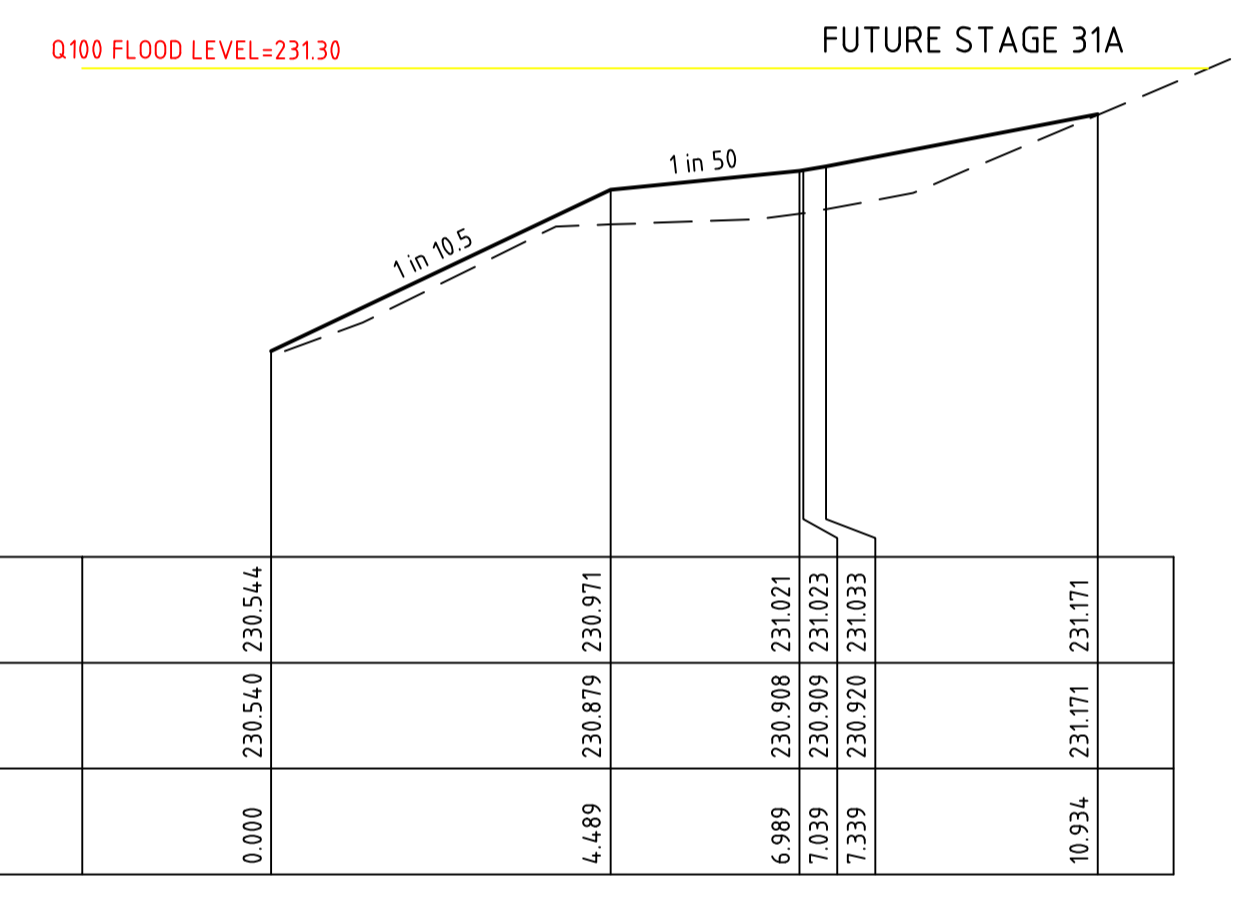
CH 368.18



DATUM R.L.230.0

DESIGN SURFACE LEVEL		230.966	231.147	231.197	231.199	231.209
EXISTING SURFACE LEVEL		230.956	231.000	231.060	231.063	231.087
OFFSET		0.000	1.850	4.350	4.400	4.700

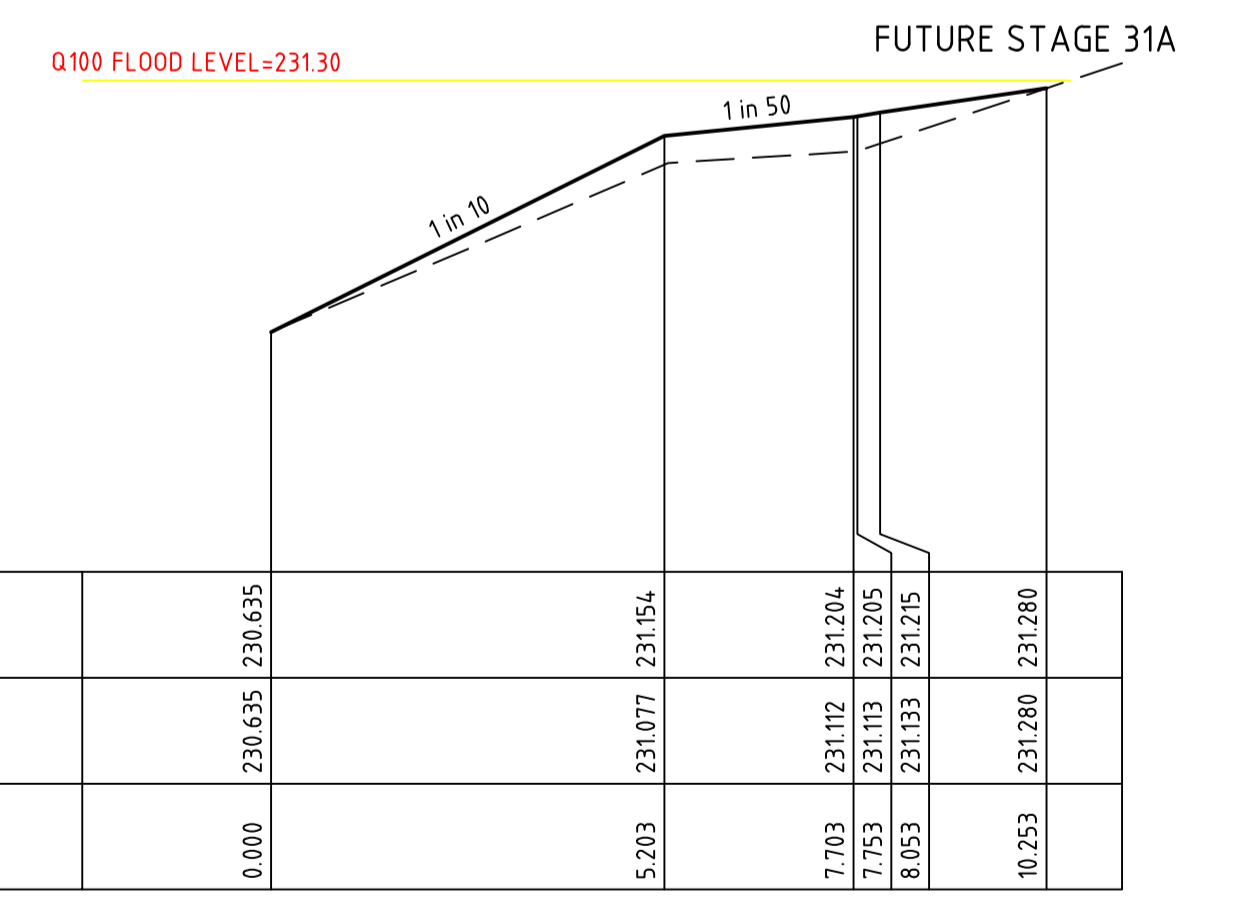
CH 469.32



DATUM R.L.230.0

DESIGN SURFACE LEVEL		230.544	230.971	231.021	231.023	231.033	231.171
EXISTING SURFACE LEVEL		230.540	230.879	230.908	230.909	230.920	231.171
OFFSET		0.000	4.489	6.989	7.039	7.339	10.934

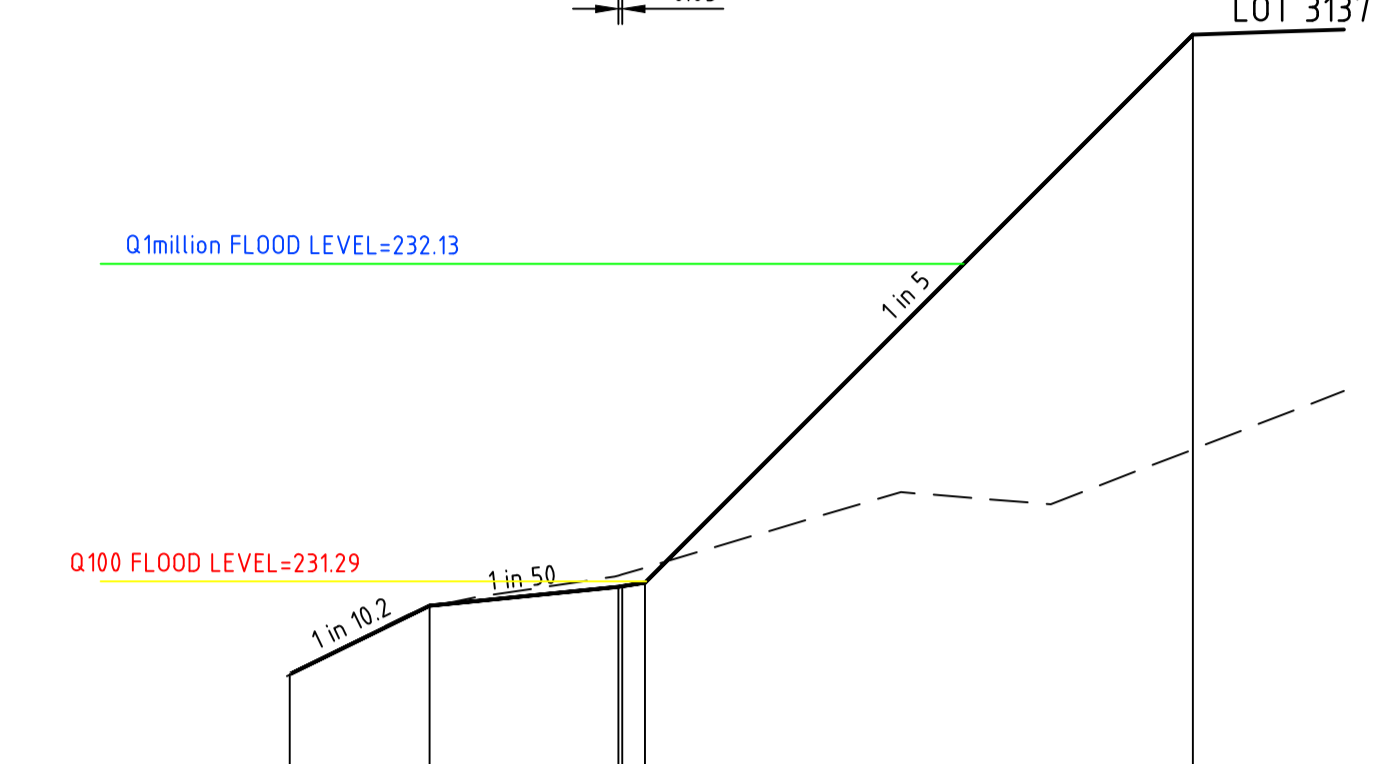
CH 400.20



DATUM R.L.230.0

DESIGN SURFACE LEVEL		230.635	231.154	231.204	231.205	231.215	231.280
EXISTING SURFACE LEVEL		230.635	231.077	231.112	231.113	231.133	231.180
OFFSET		0.000	5.203	7.703	7.753	8.053	10.253

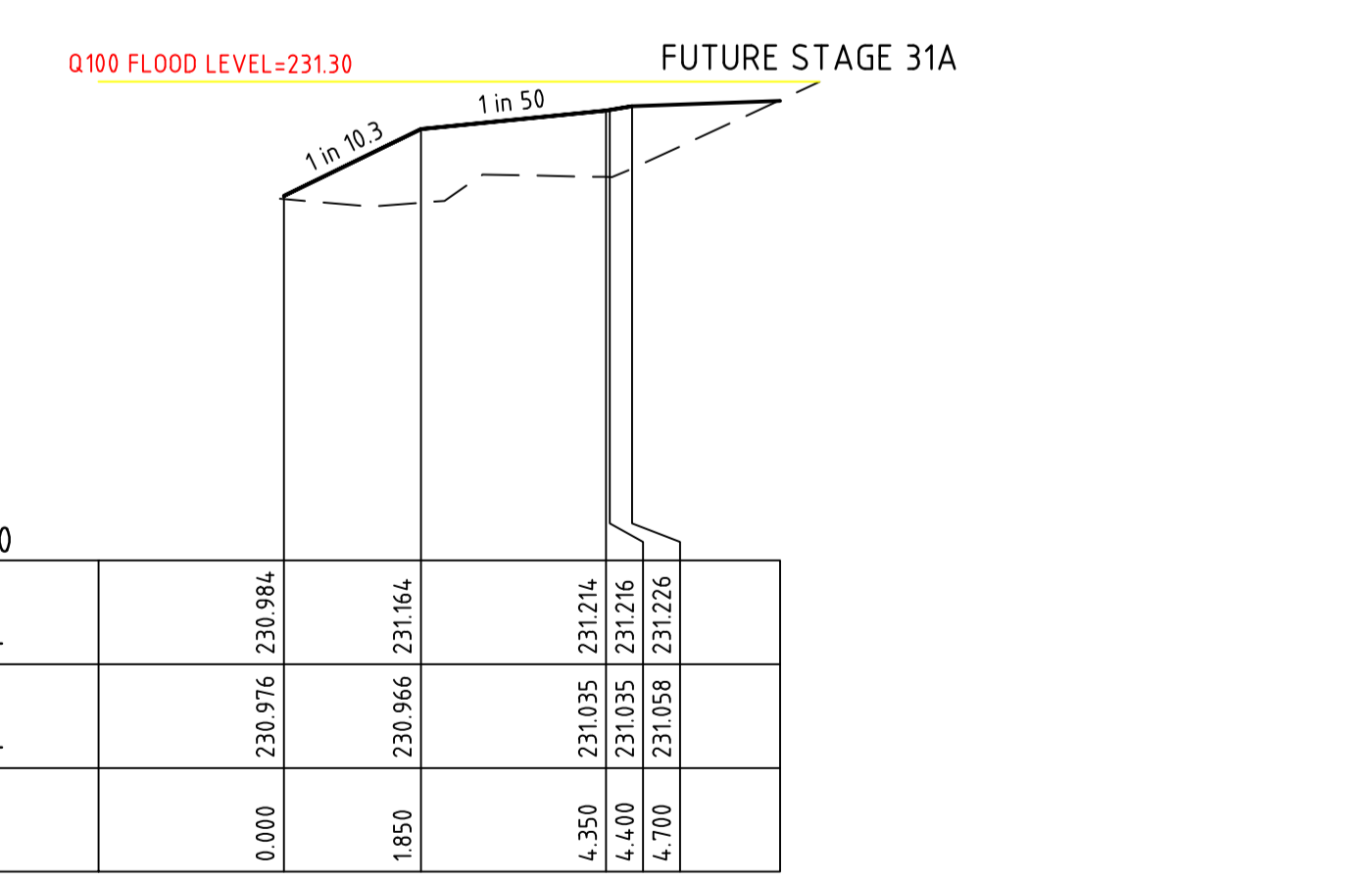
CH 394.85



DATUM R.L.230.0

DESIGN SURFACE LEVEL		231.044	231.225	231.275	231.277	231.287	232.736
EXISTING SURFACE LEVEL		231.043	231.222	231.305	231.308	231.326	231.639
OFFSET		0.000	1.850	4.350	4.400	4.700	11.946

CH 492.32

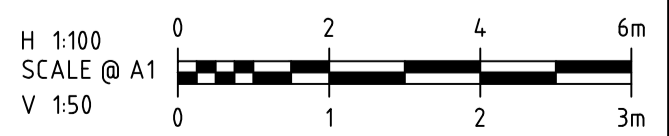


DATUM R.L.230.0

DESIGN SURFACE LEVEL		230.984	231.164	231.214	231.216	231.226
EXISTING SURFACE LEVEL		230.976	230.966	231.035	231.035	231.058
OFFSET		0.000	1.850	4.350	4.400	4.700

CH 474.32

0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



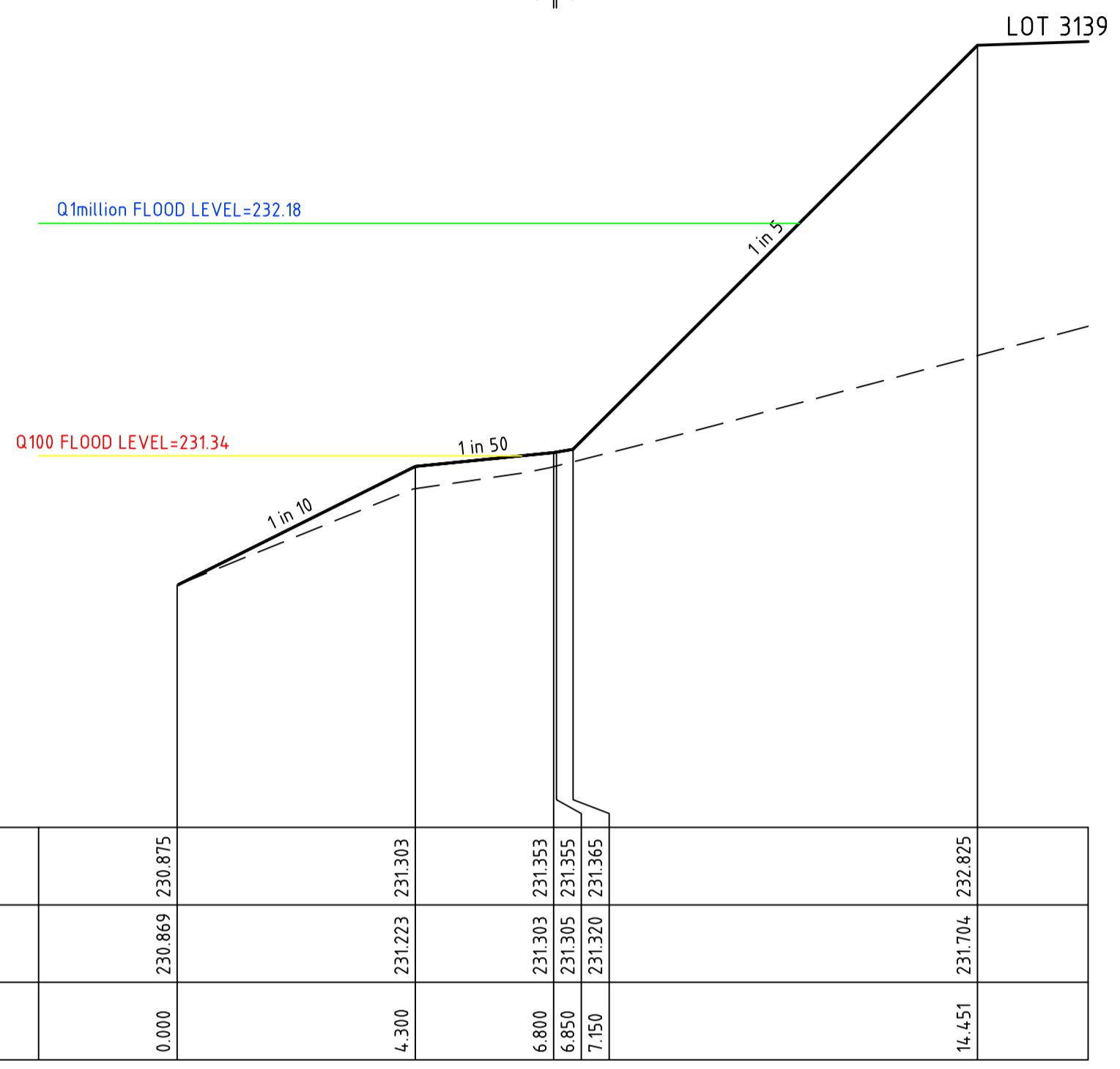
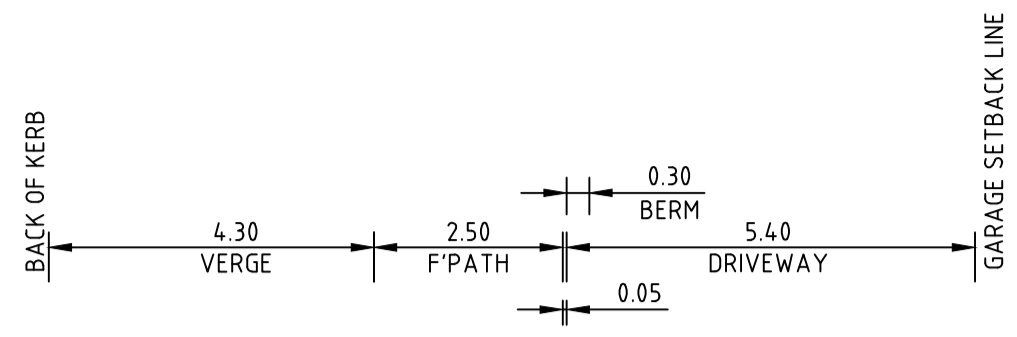
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T (03) 8548 1560 E melbourne@cosweb.com.au

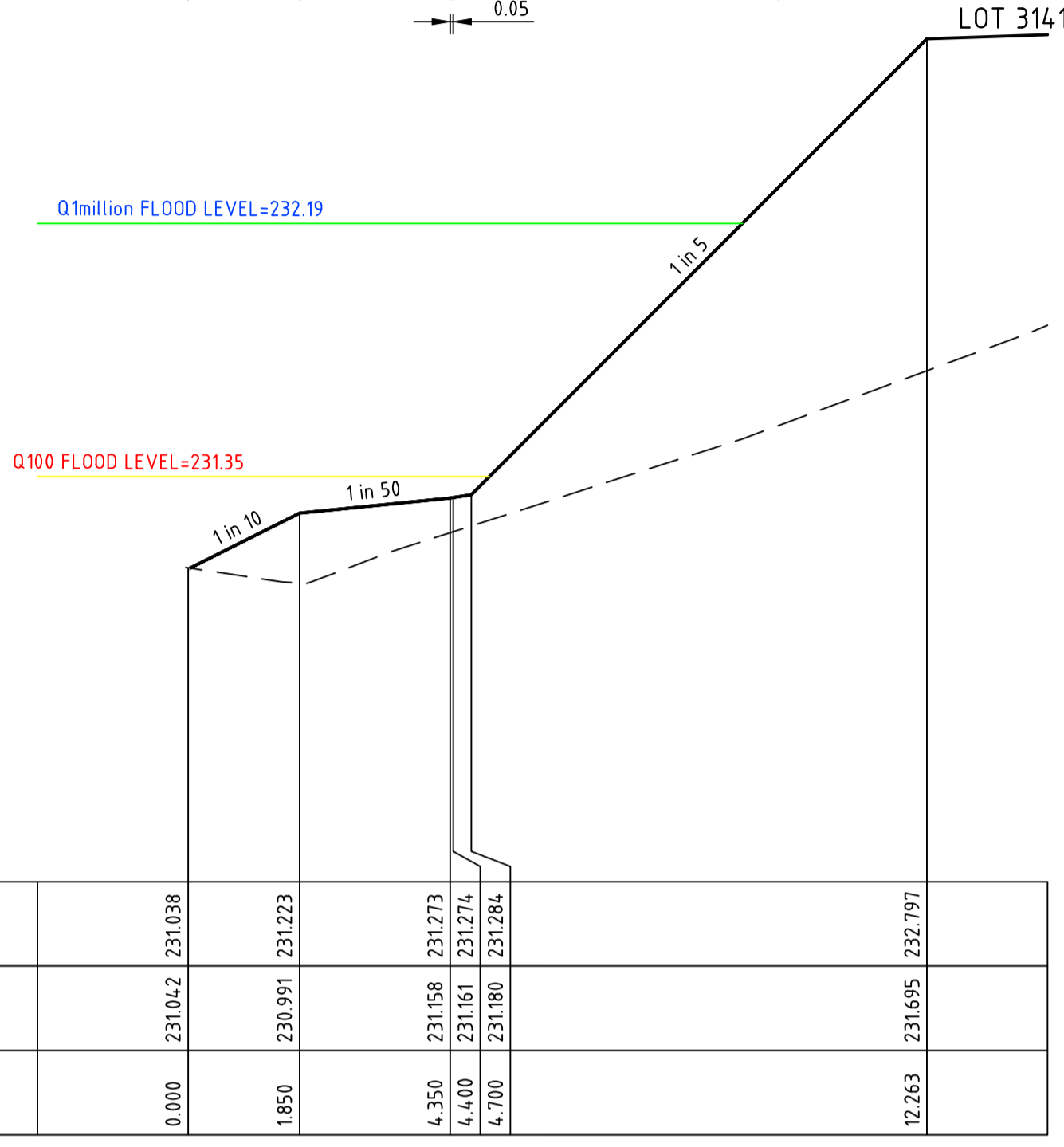
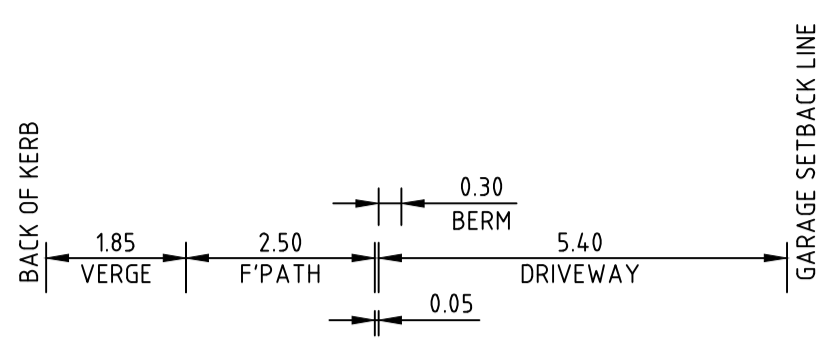
CLIENT: **PEET**
APPROVED: *R. Todd*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT: ASTON ESTATE
TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS
MUNICIPALITY: HUME CITY COUNCIL
PP No: P19872
DRAWING No: 3161-31-225
REVISION: 0

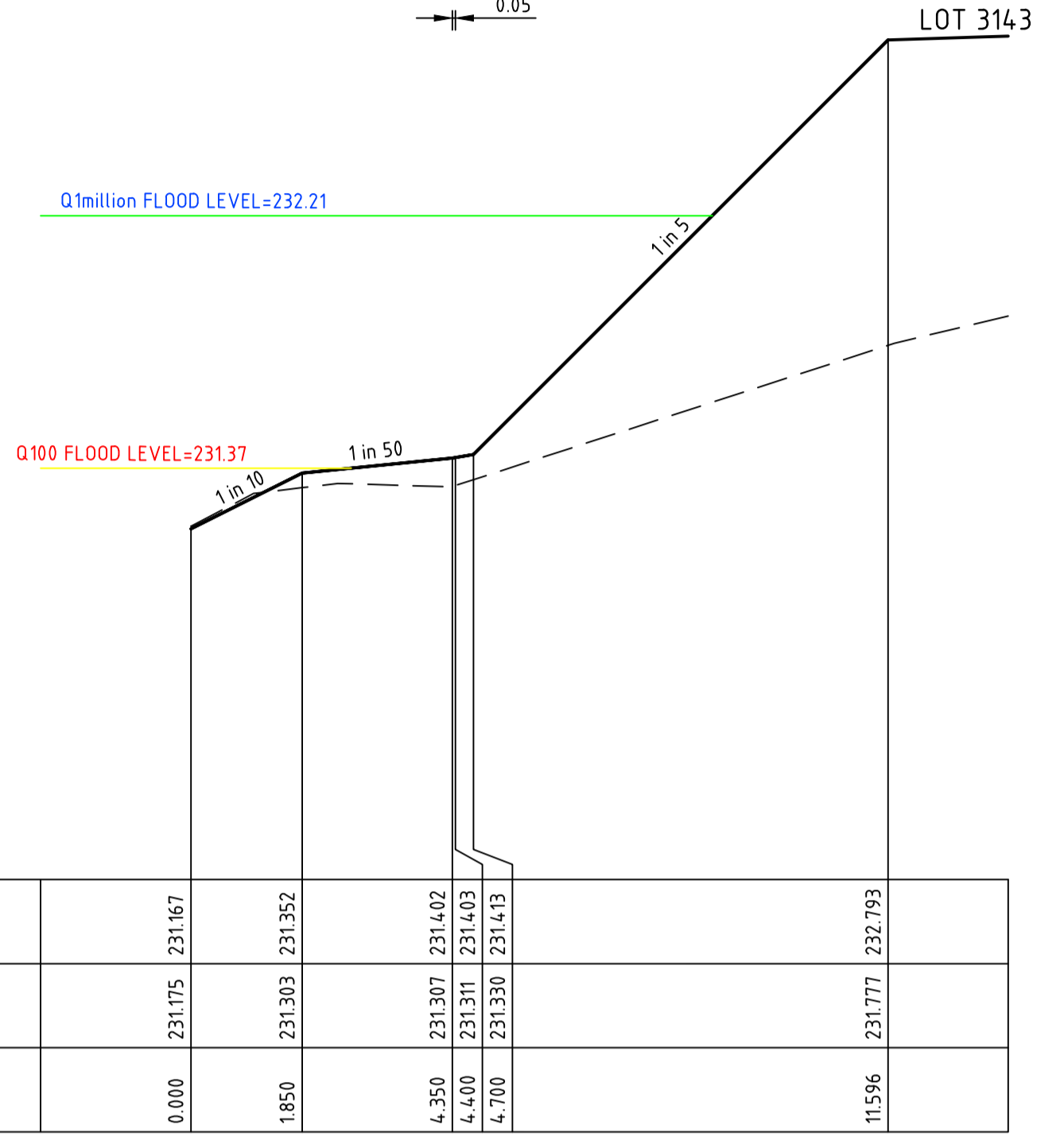
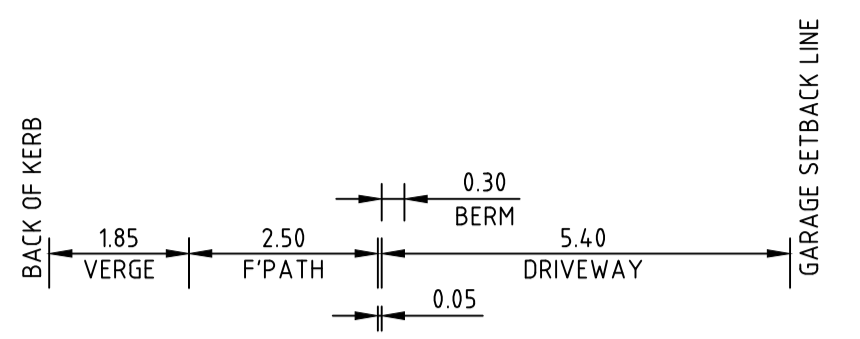
ORIGINAL SIZE: A1



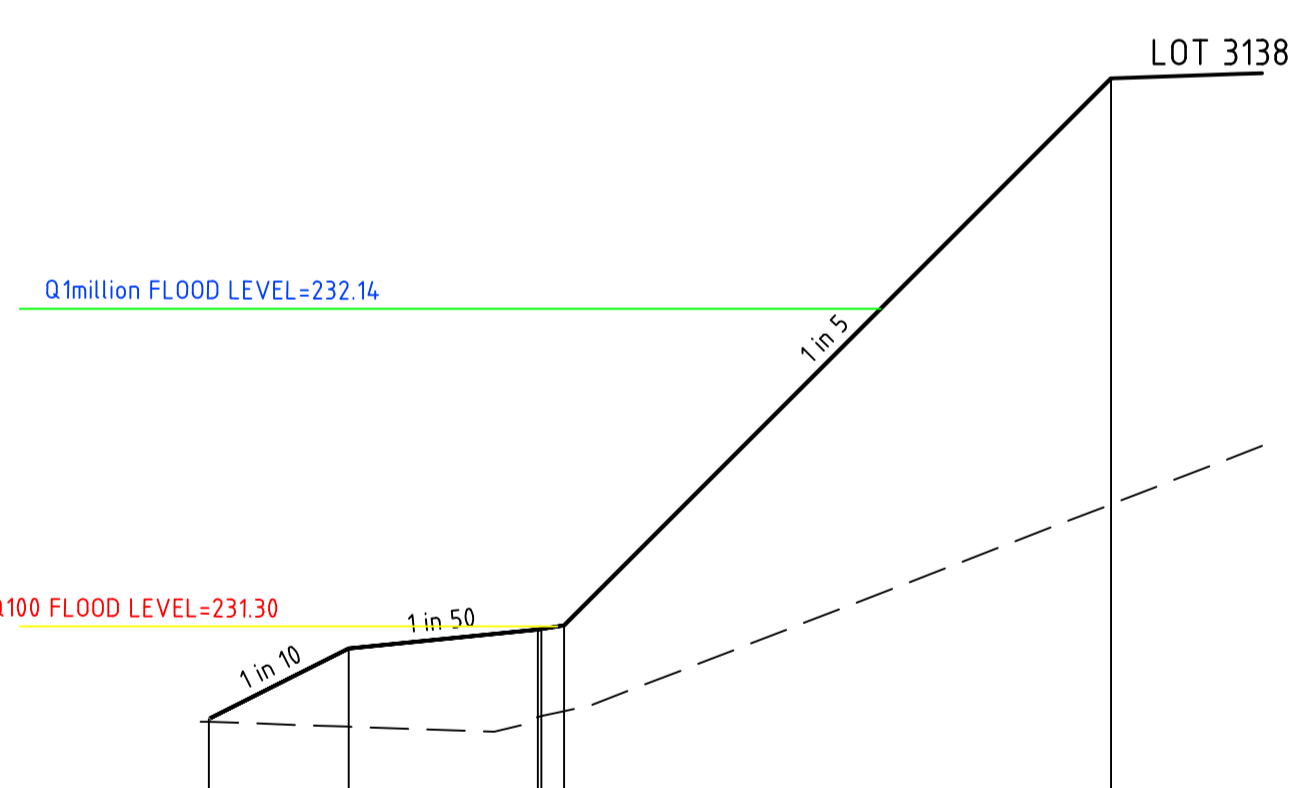
CH 519.61



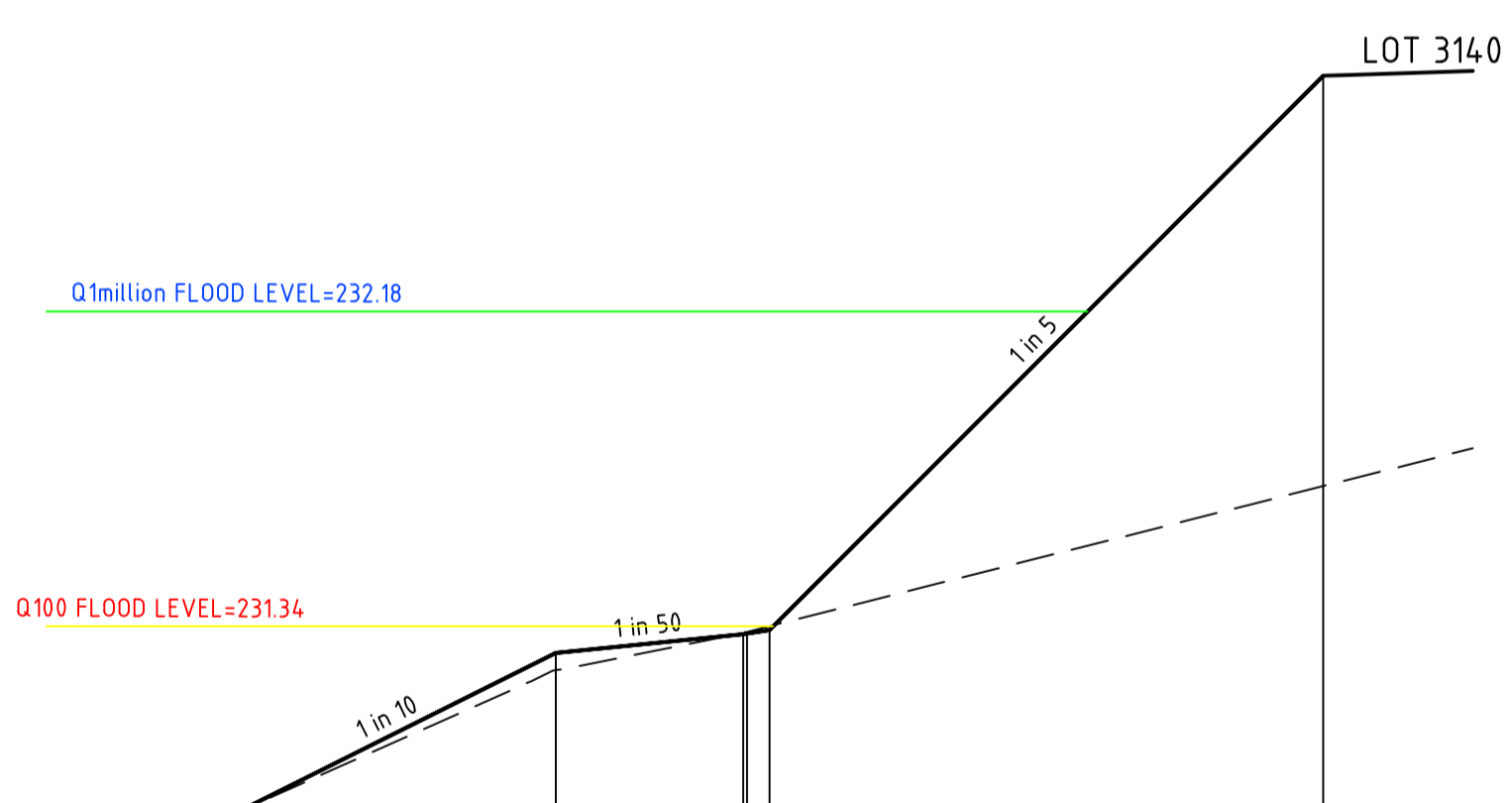
CH 543.40



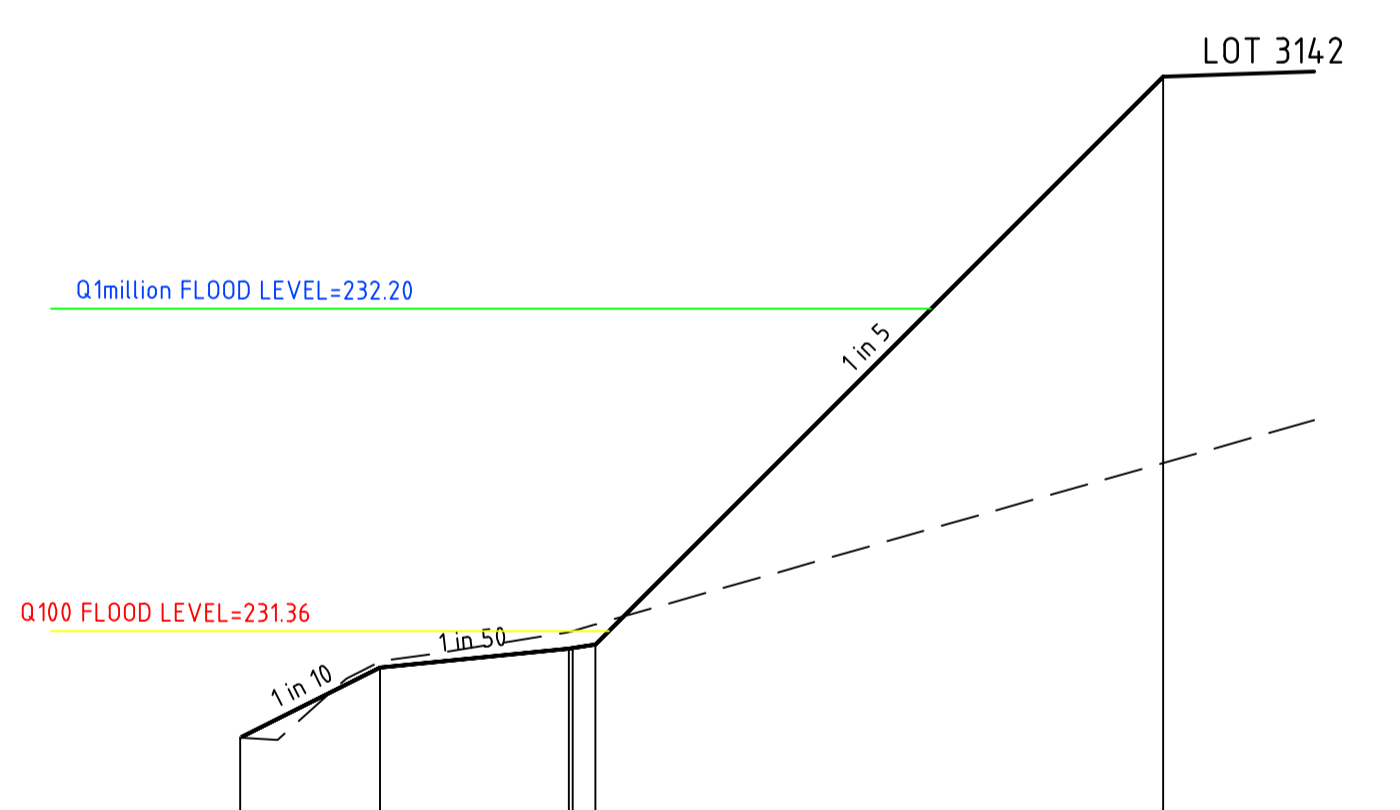
CH 567.90



CH 496.45

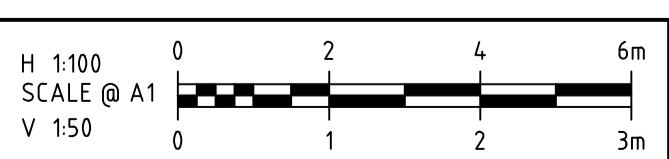


CH 524.61



CH 548.40

REV	DATE	DRN	CKD	APP	AMENDMENT
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D	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560 E melbourne@cosweb.com.au

PEET

APPROVED: *R. Todd*

DESIGNED: MA
SCALE: AS SHOWN

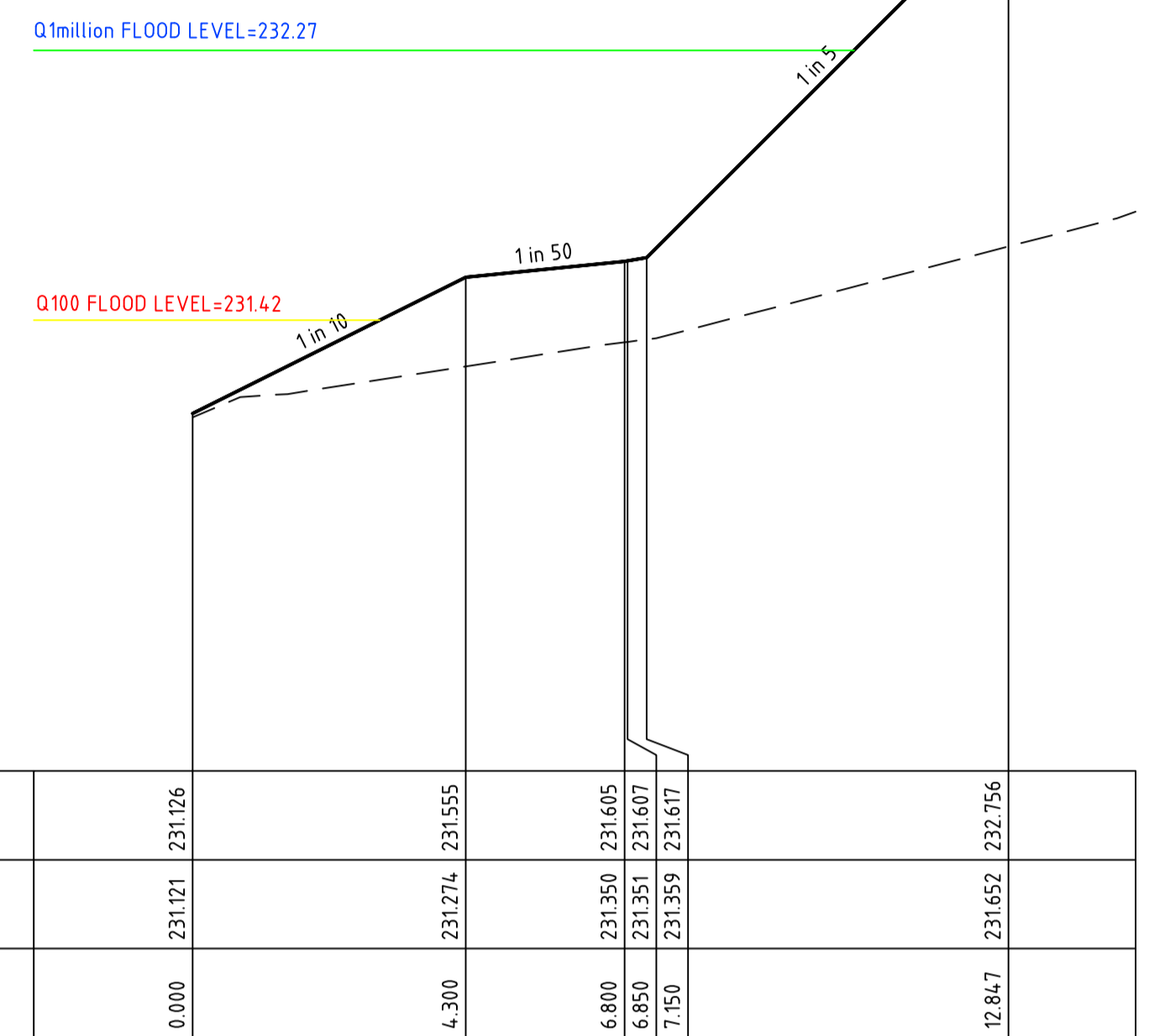
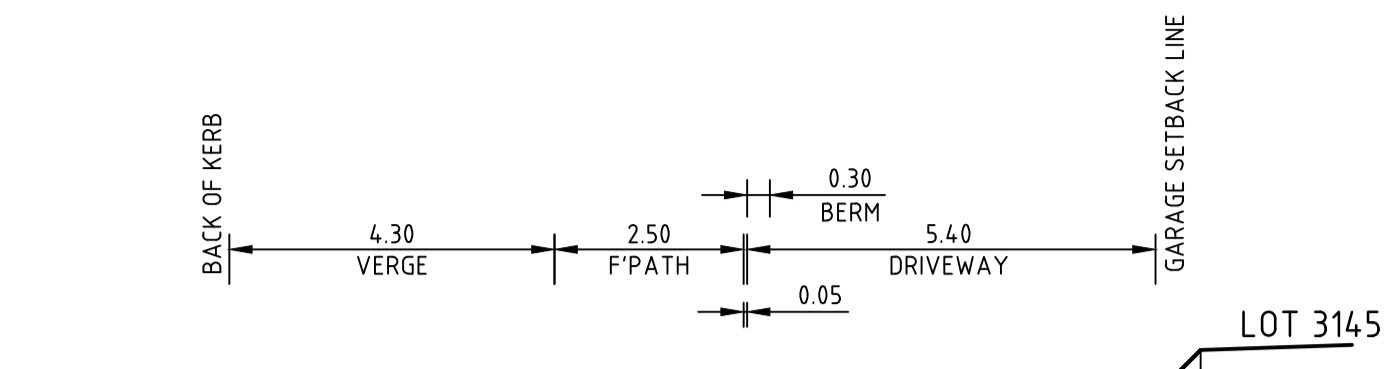
CLIENT: ASTON ESTATE

PROJECT: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS

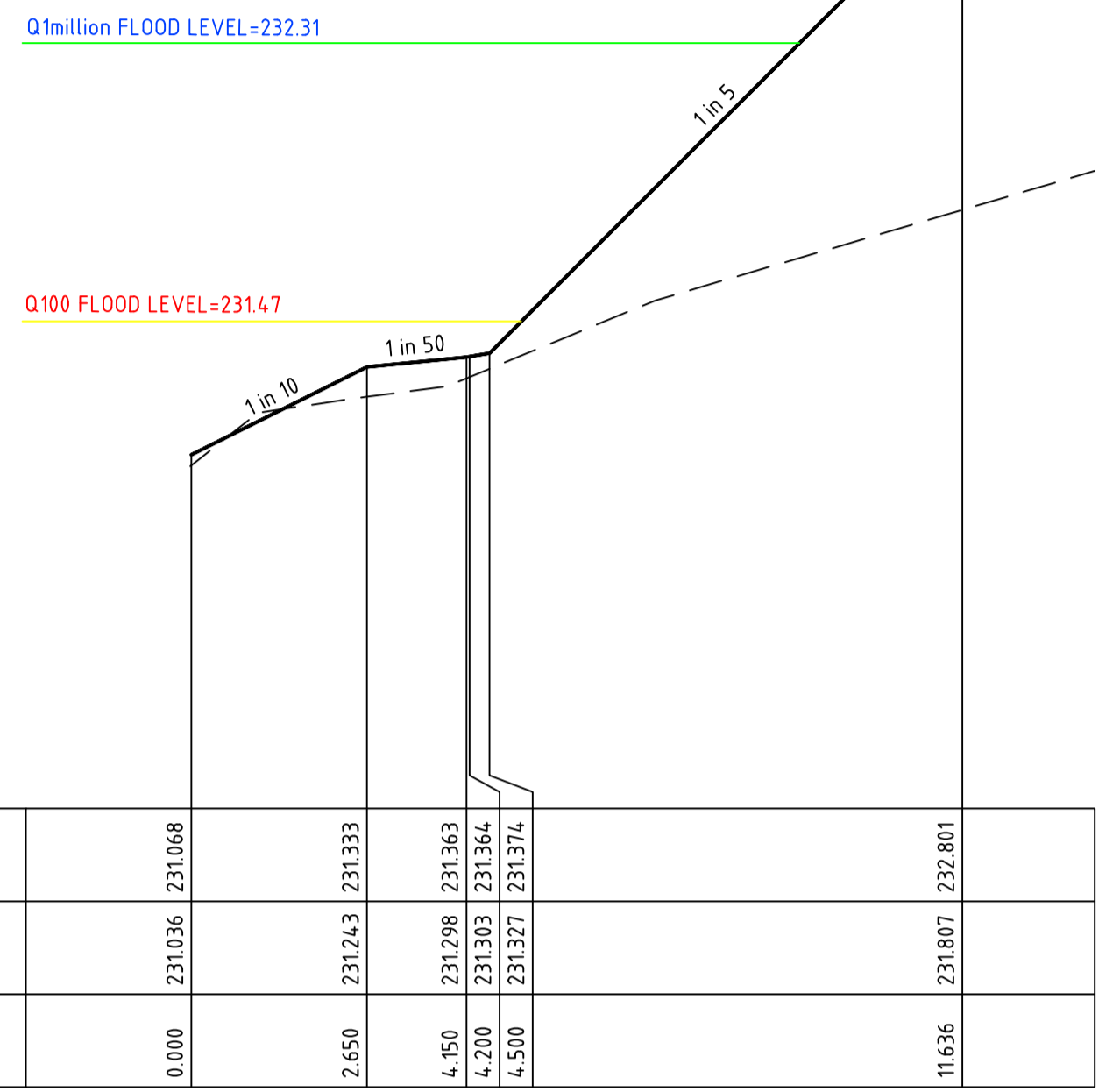
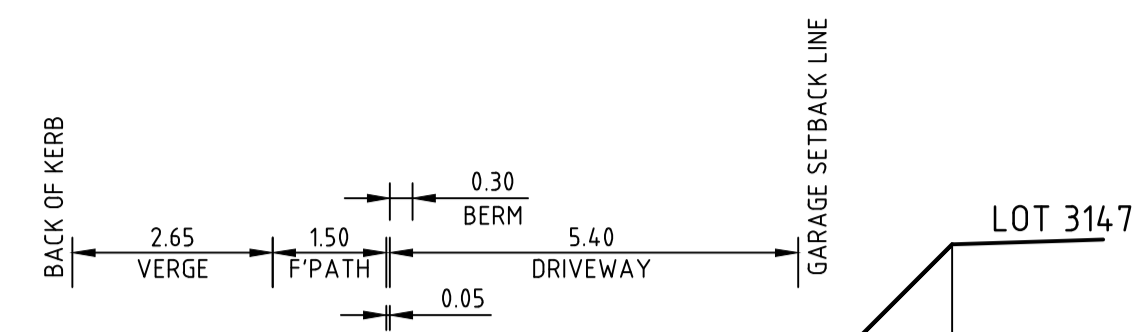
MUNICIPALITY: HUME CITY COUNCIL

PP No: P19872 DRAWING No: 3161-31-226 REVISION: 0

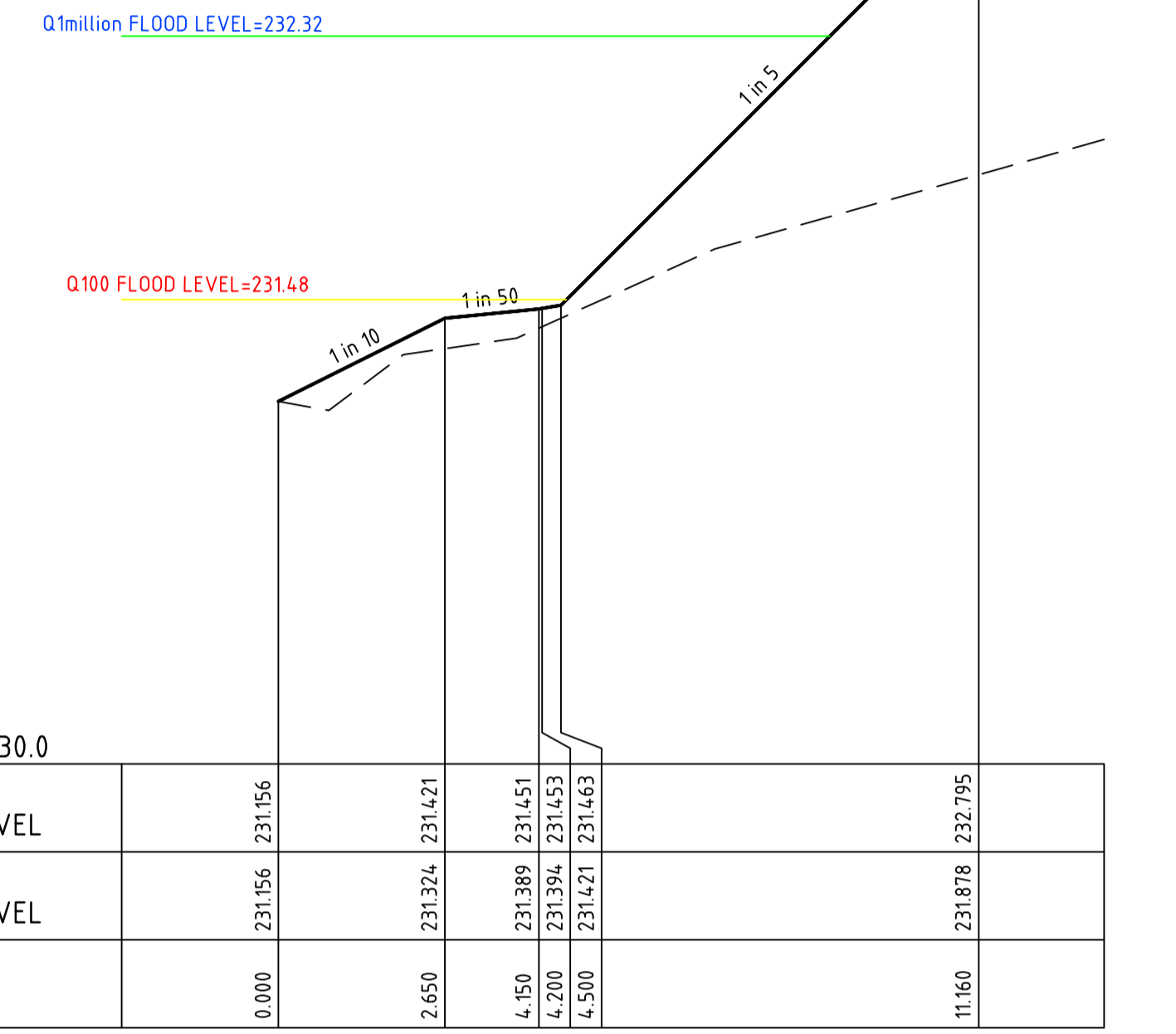
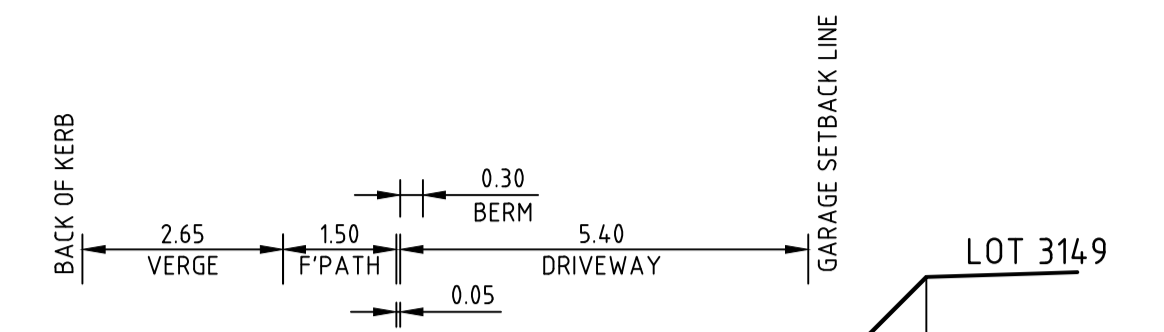
ORIGINAL SIZE: A1



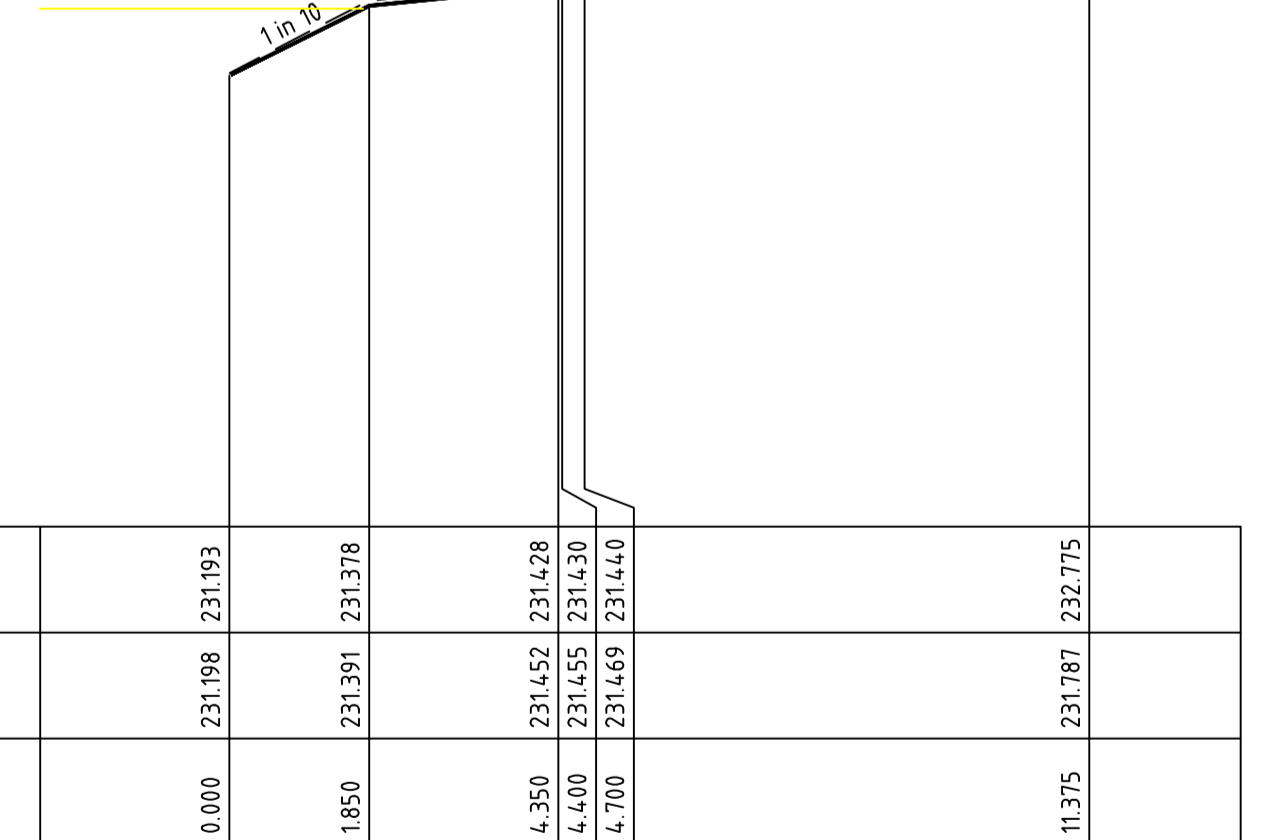
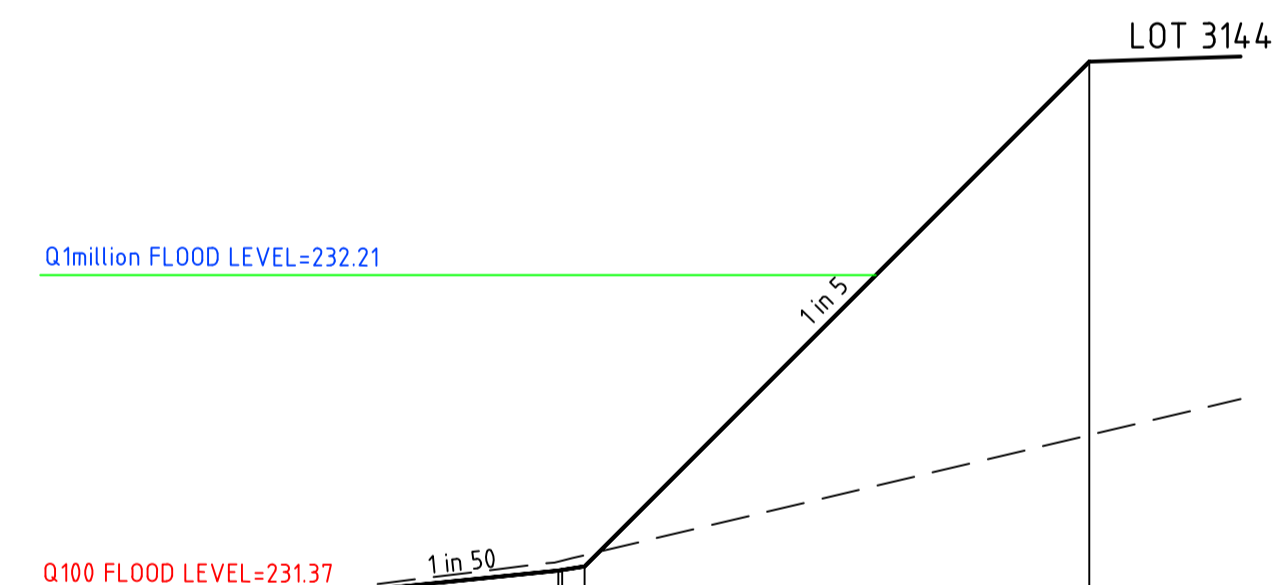
CH 584.19



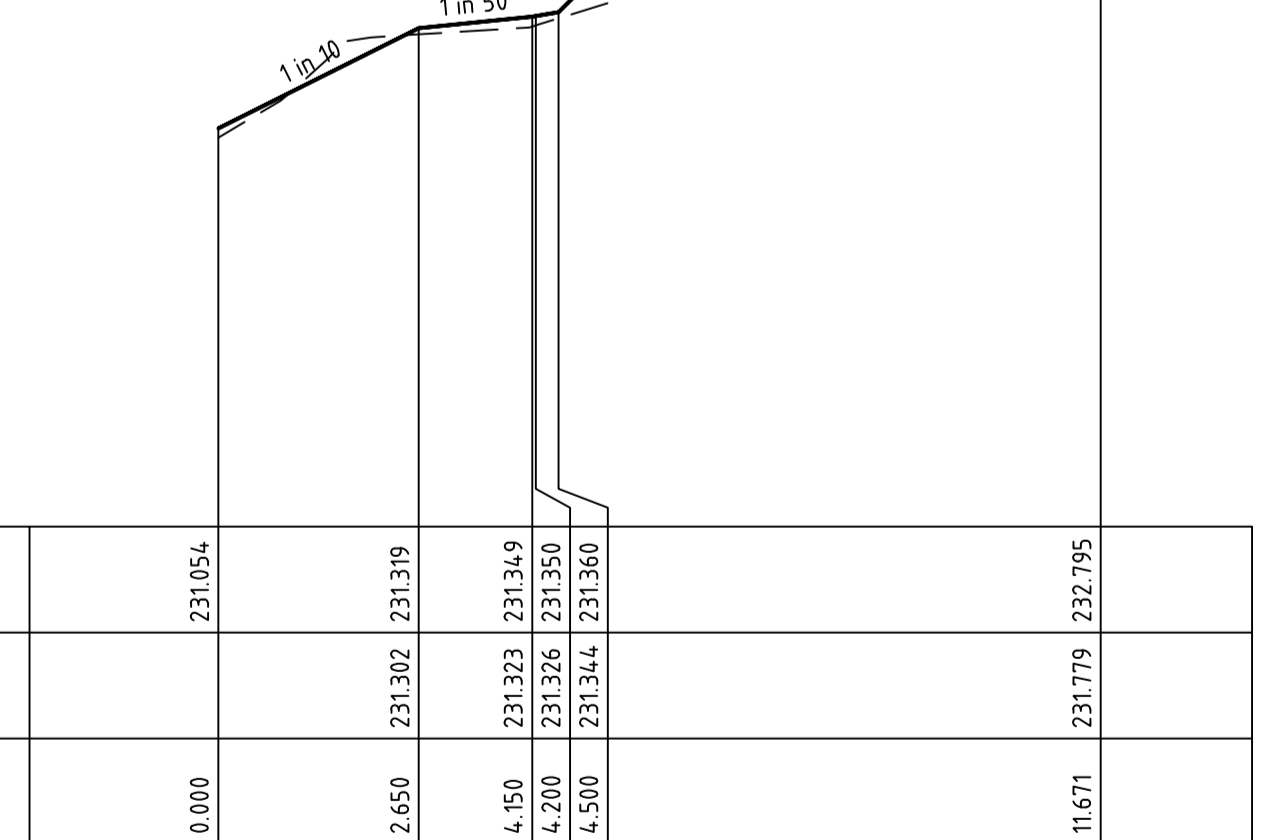
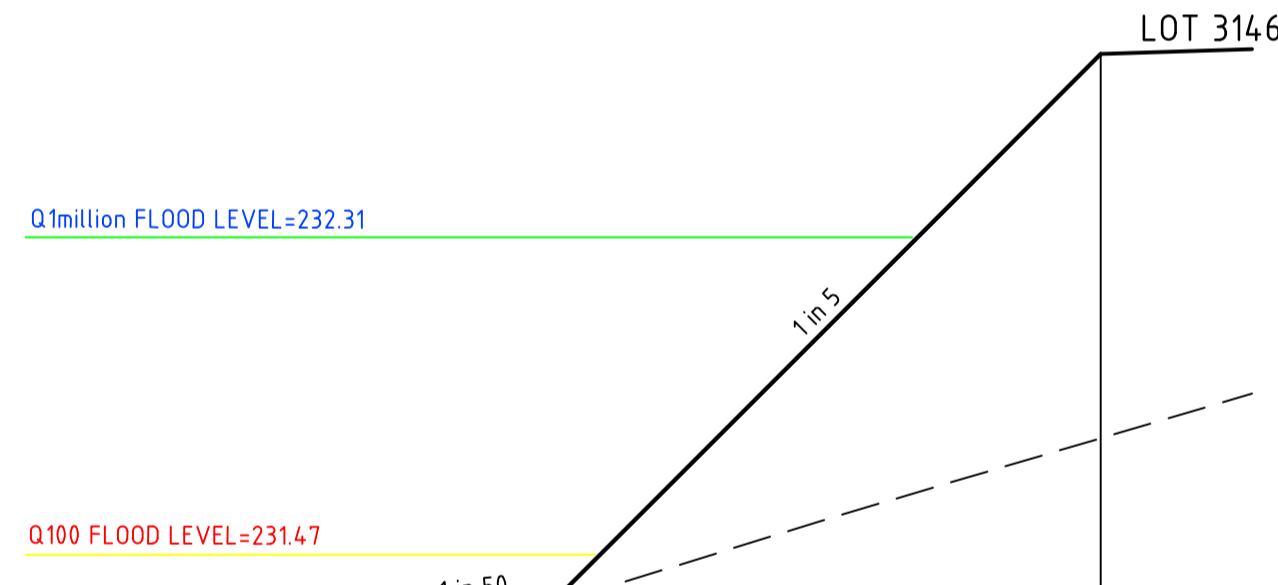
CH 611.46



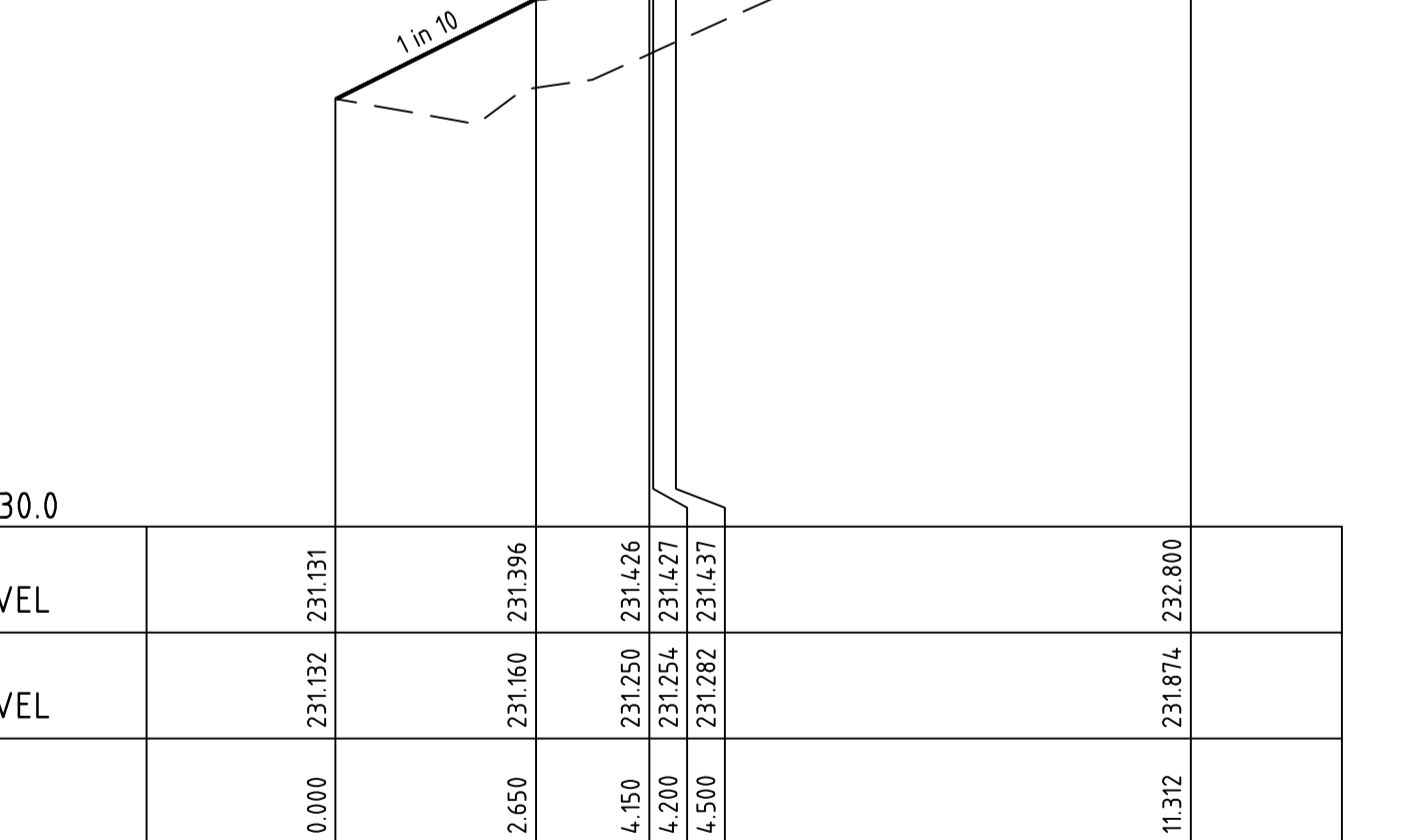
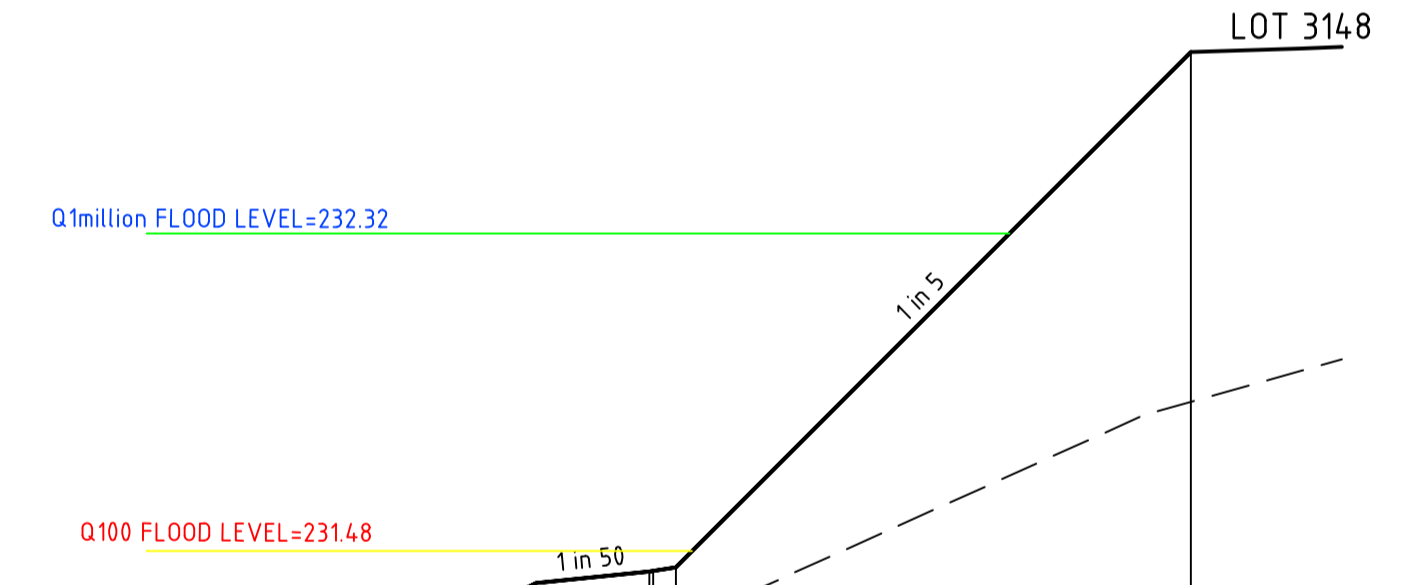
CH 632.46



CH 572.90

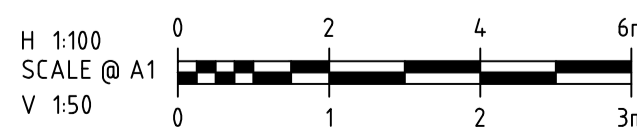


CH 606.67



CH 627.46

0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



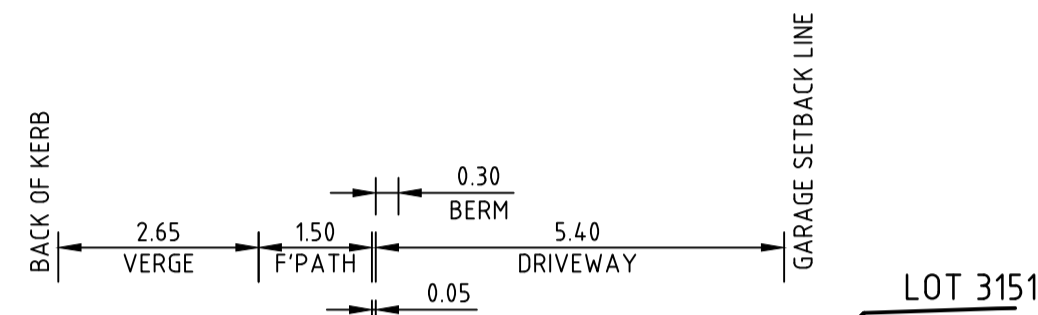
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Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT
PEET
APPROVED: *R. Todd*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT
ASTON ESTATE
TITLE
ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS
MUNICIPALITY
HUME CITY COUNCIL
PP No. P19872
DRAWING No. 3161-31-227
REVISION 0

ORIGINAL SIZE A1

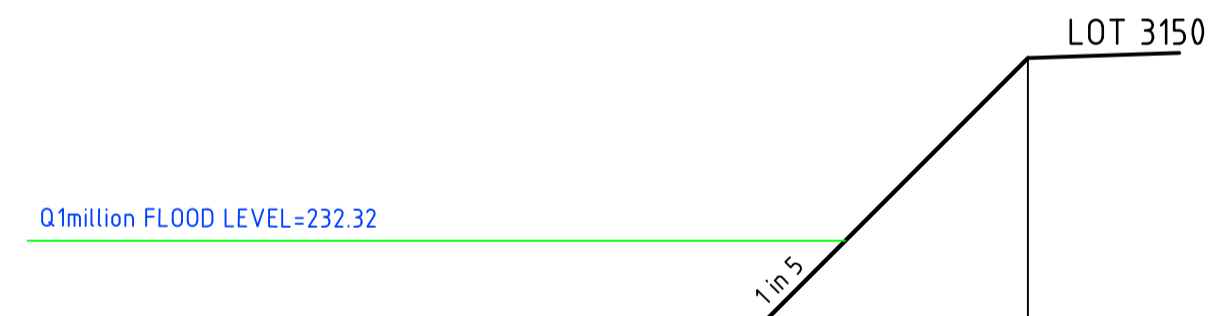


Q1million FLOOD LEVEL=232.32

Q100 FLOOD LEVEL=231.51

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.272
EXISTING SURFACE LEVEL	231.278
OFFSET	0.000

CH 657.46

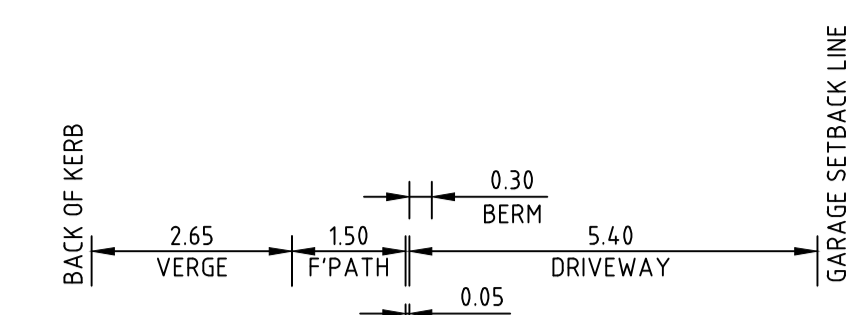


Q1million FLOOD LEVEL=232.32

Q100 FLOOD LEVEL=231.49

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.250
EXISTING SURFACE LEVEL	231.260
OFFSET	0.000

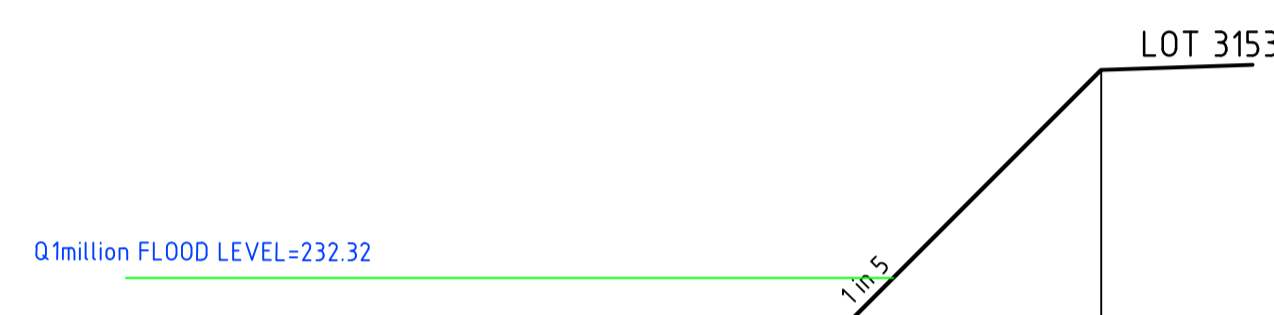
CH 652.46



Q100 FLOOD LEVEL=231.71

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.506
EXISTING SURFACE LEVEL	231.509
OFFSET	0.000

CH 701.96

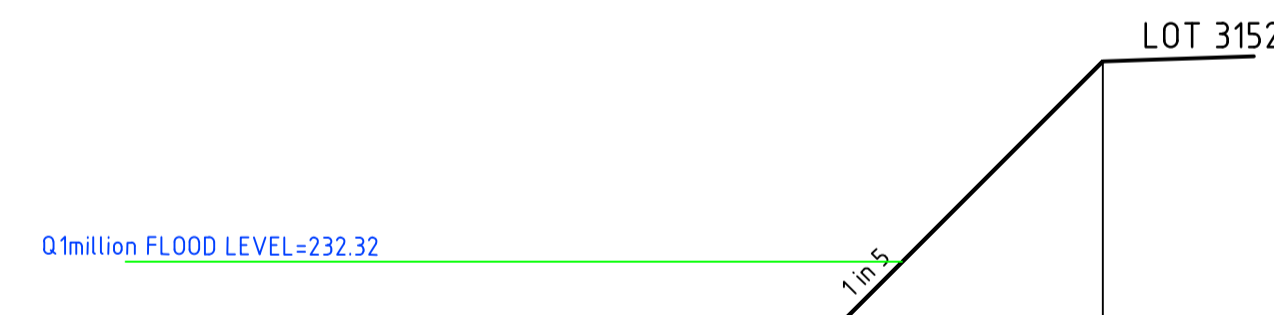


Q1million FLOOD LEVEL=232.32

Q100 FLOOD LEVEL=231.61

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.383
EXISTING SURFACE LEVEL	231.380
OFFSET	0.000

CH 680.46

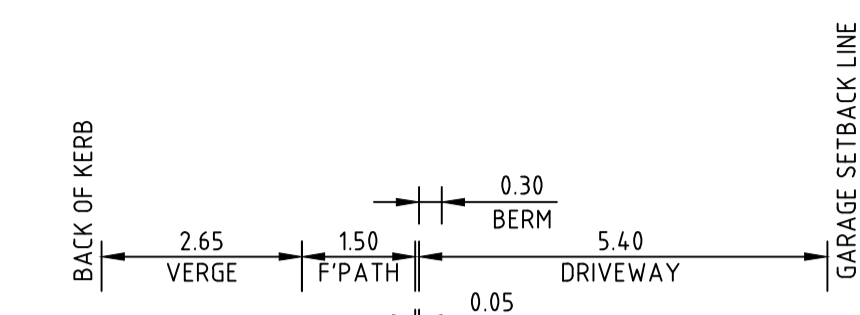


Q1million FLOOD LEVEL=232.32

Q100 FLOOD LEVEL=231.59

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.359
EXISTING SURFACE LEVEL	231.357
OFFSET	0.000

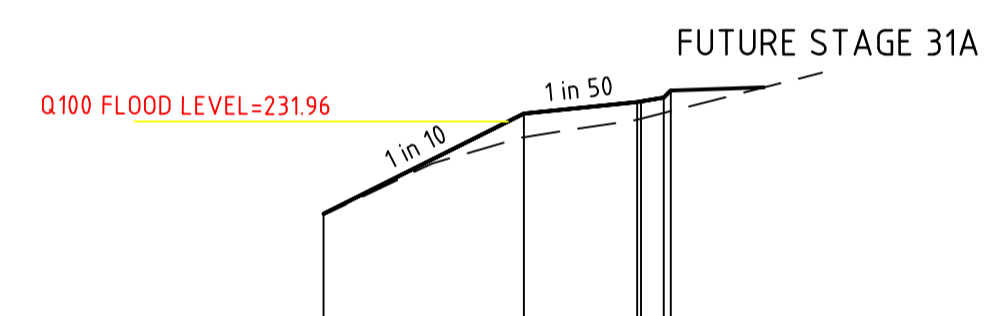
CH 675.46



Q100 FLOOD LEVEL=232.20

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.773
EXISTING SURFACE LEVEL	231.773
OFFSET	0.000

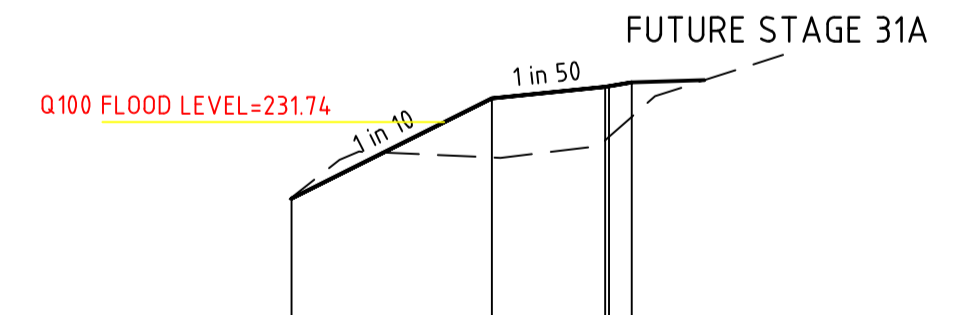
CH 759.46



Q100 FLOOD LEVEL=231.96

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.716
EXISTING SURFACE LEVEL	231.711
OFFSET	0.000

CH 746.96

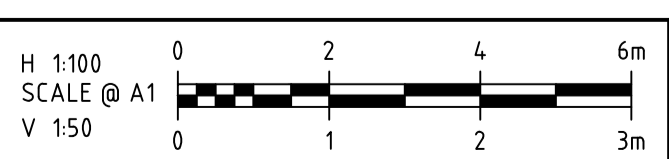


Q100 FLOOD LEVEL=231.74

DATUM R.L. 231.0	
DESIGN SURFACE LEVEL	231.538
EXISTING SURFACE LEVEL	231.541
OFFSET	0.000

CH 706.96

REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Cossill & Webley
CONSULTING ENGINEERS

Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT: **PEET**

APPROVED: *R. Todd*

DESIGNED: MA

SCALE: AS SHOWN

PROJECT: ASTON ESTATE

TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS

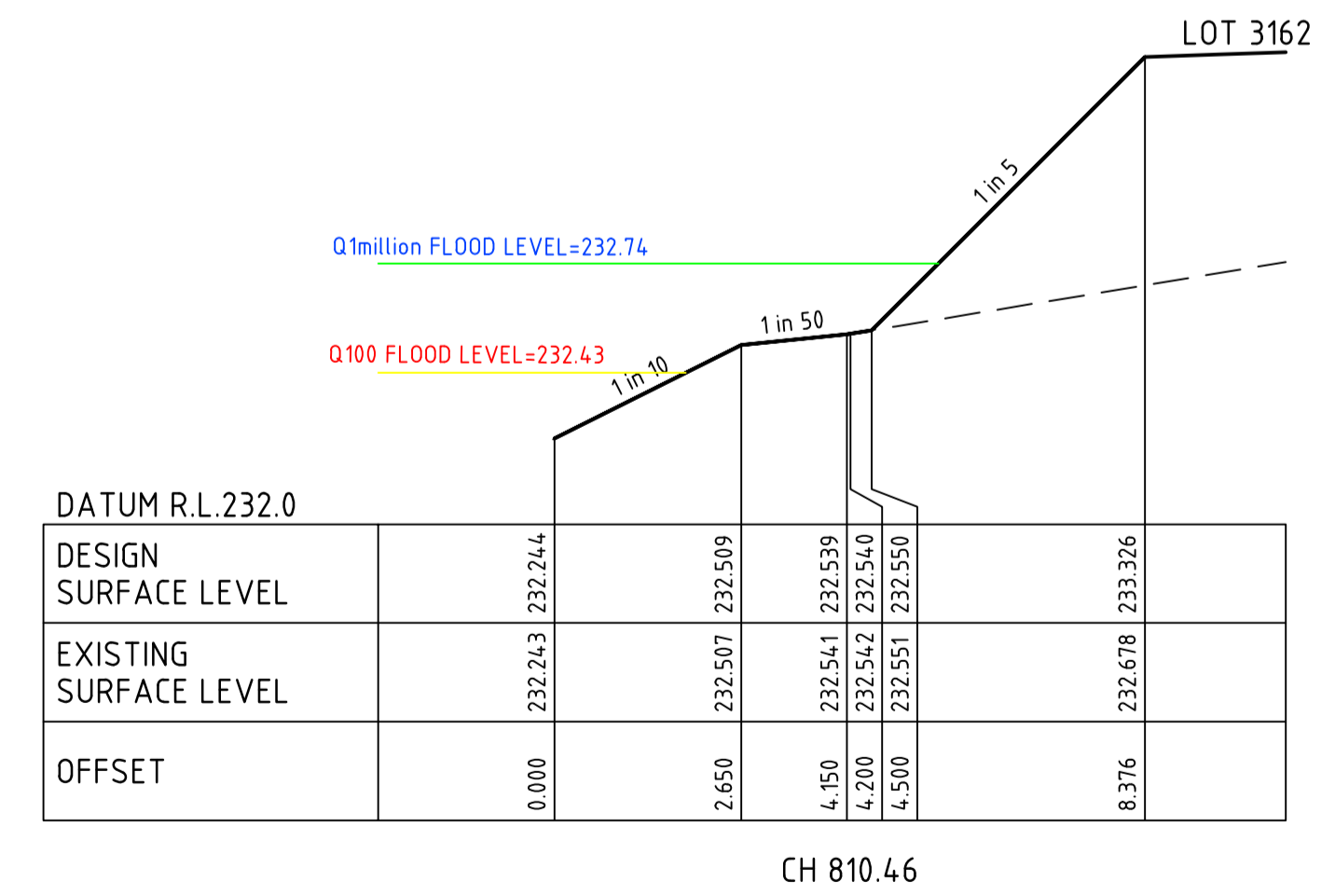
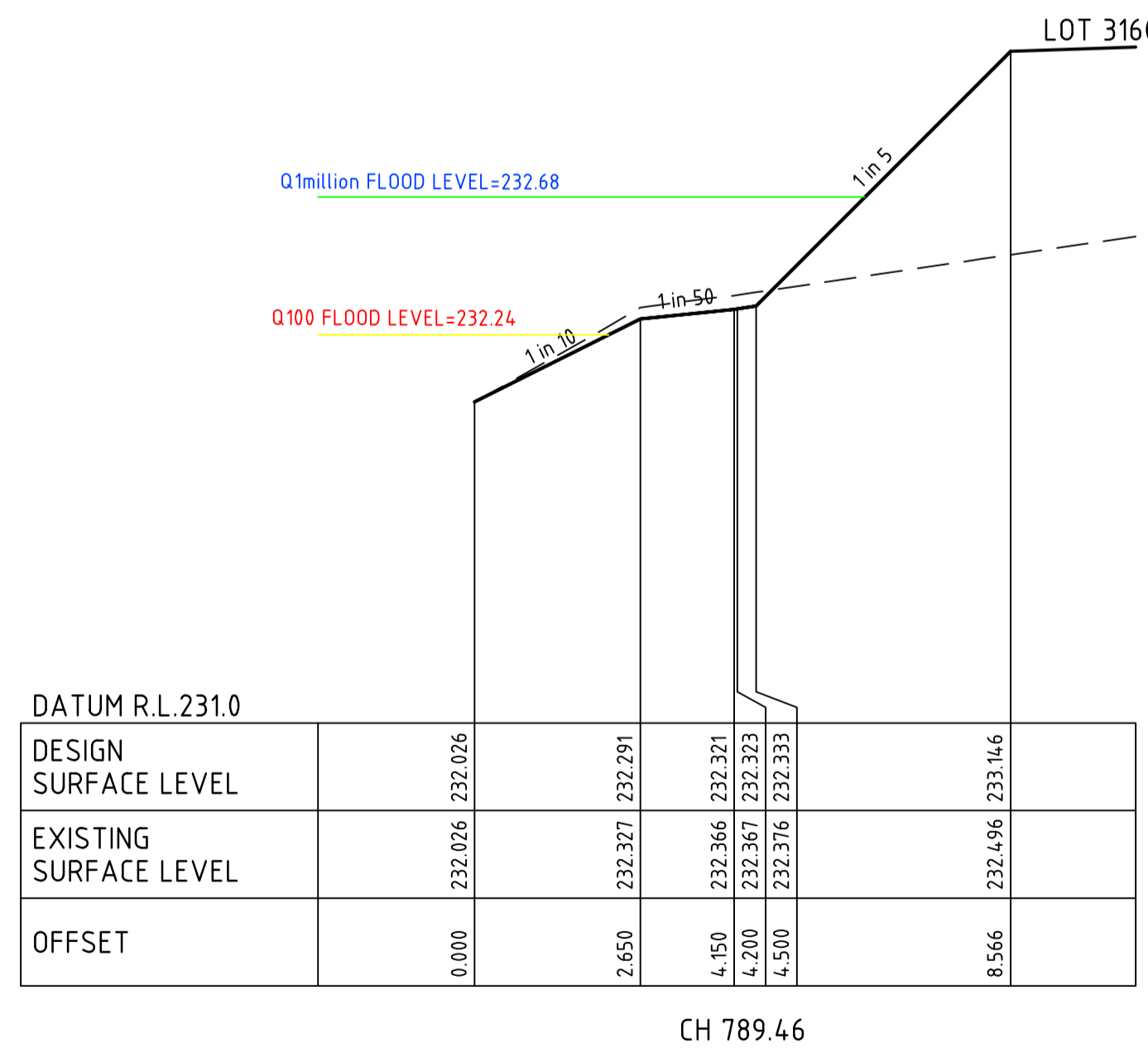
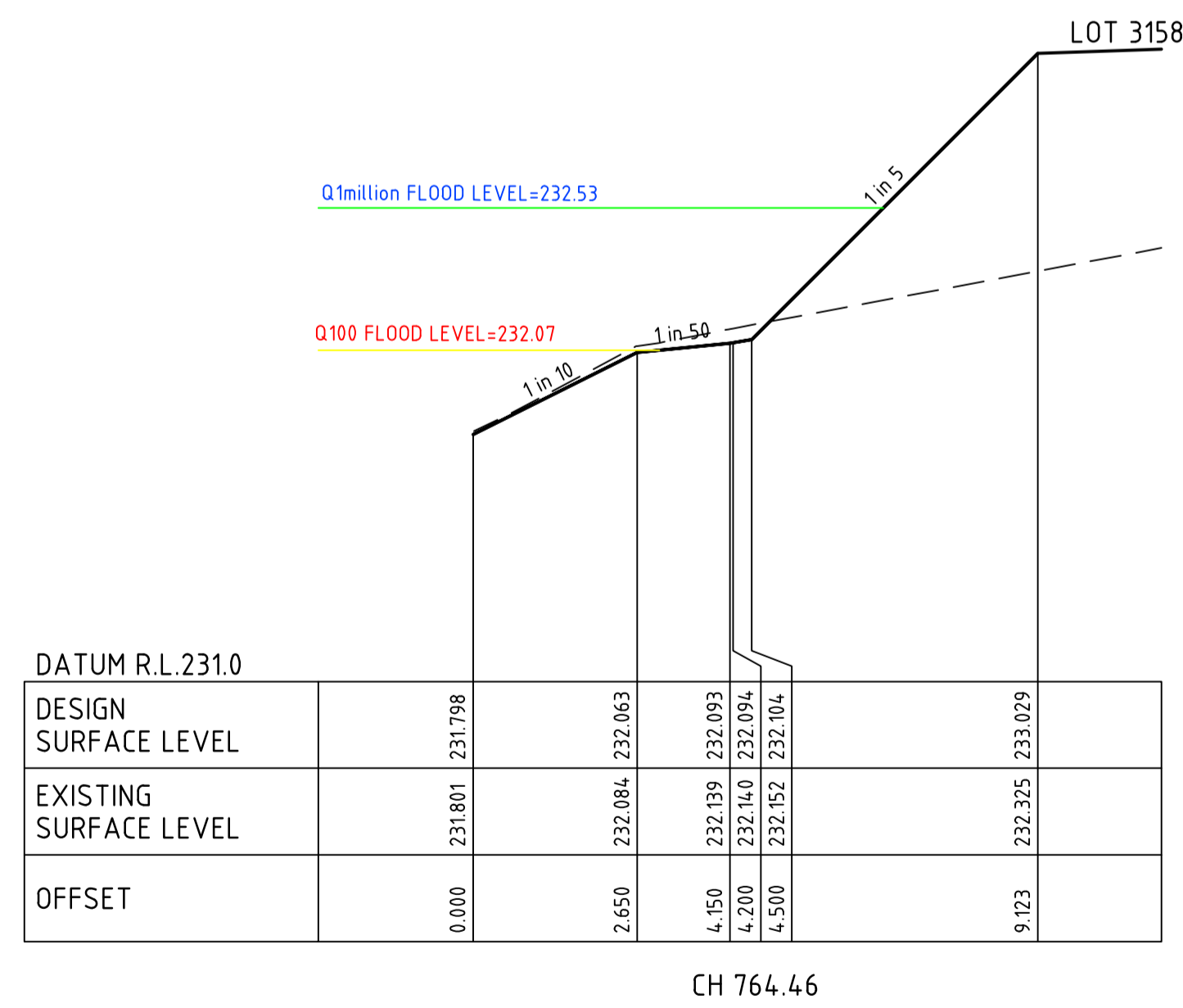
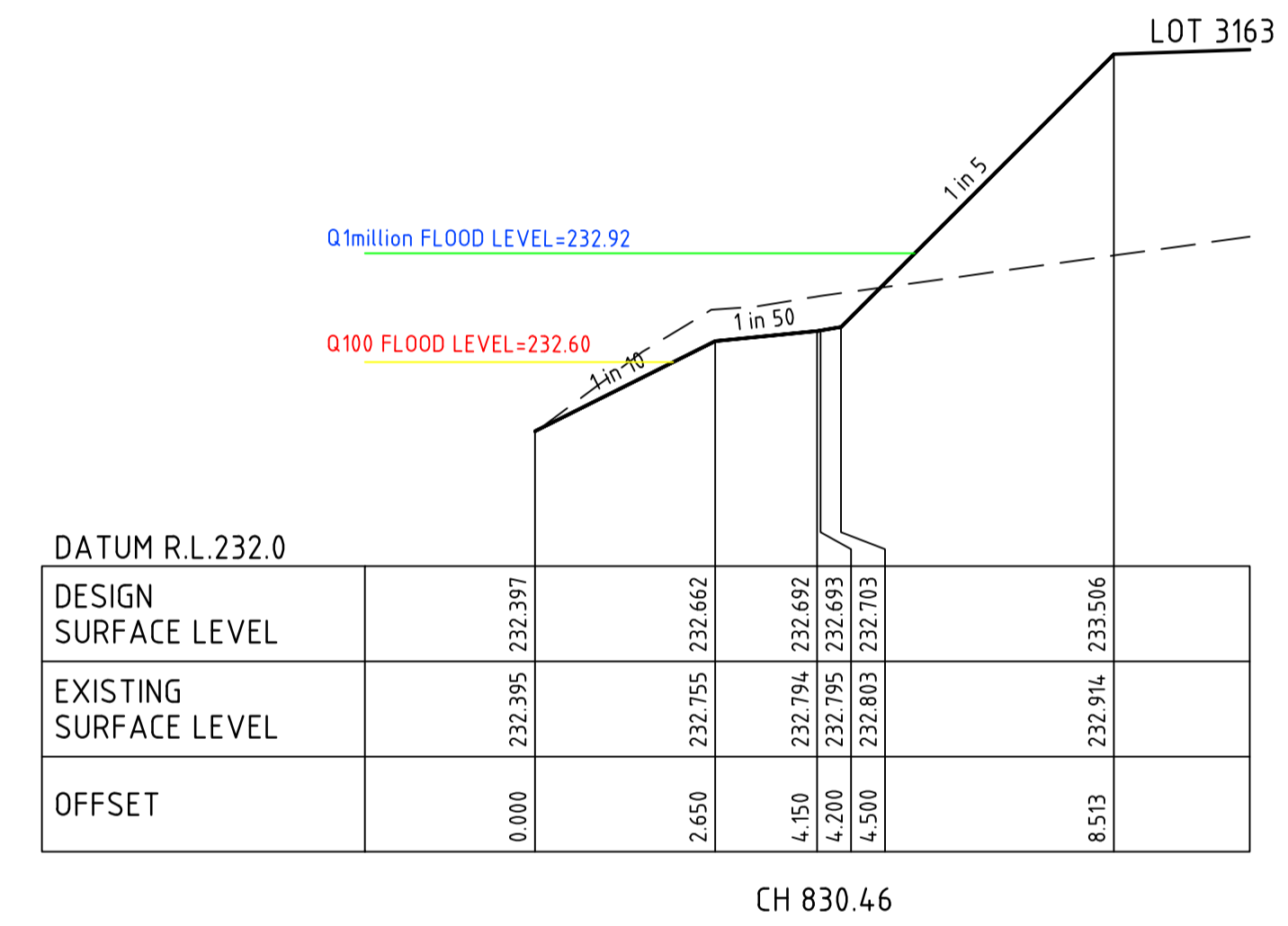
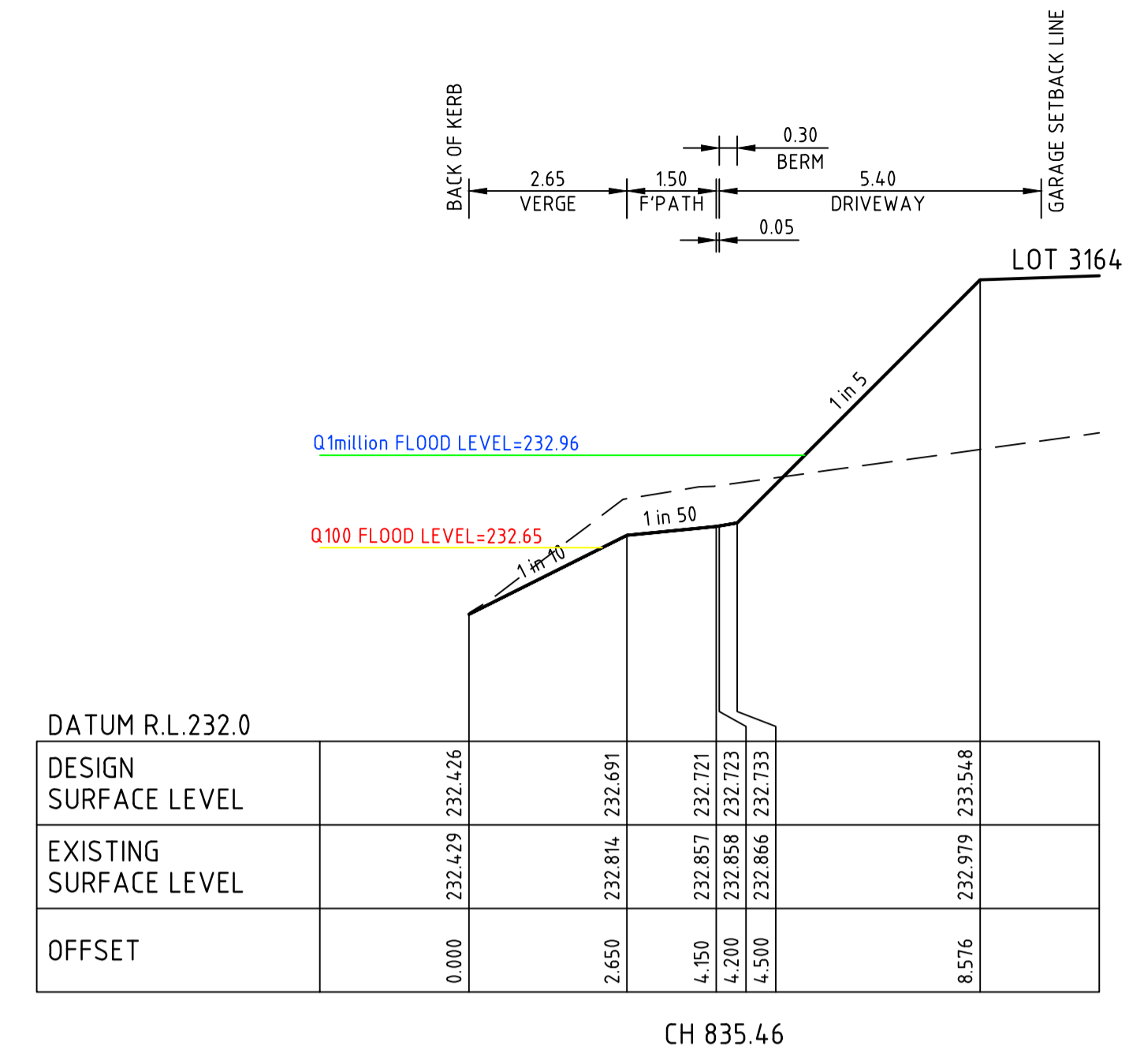
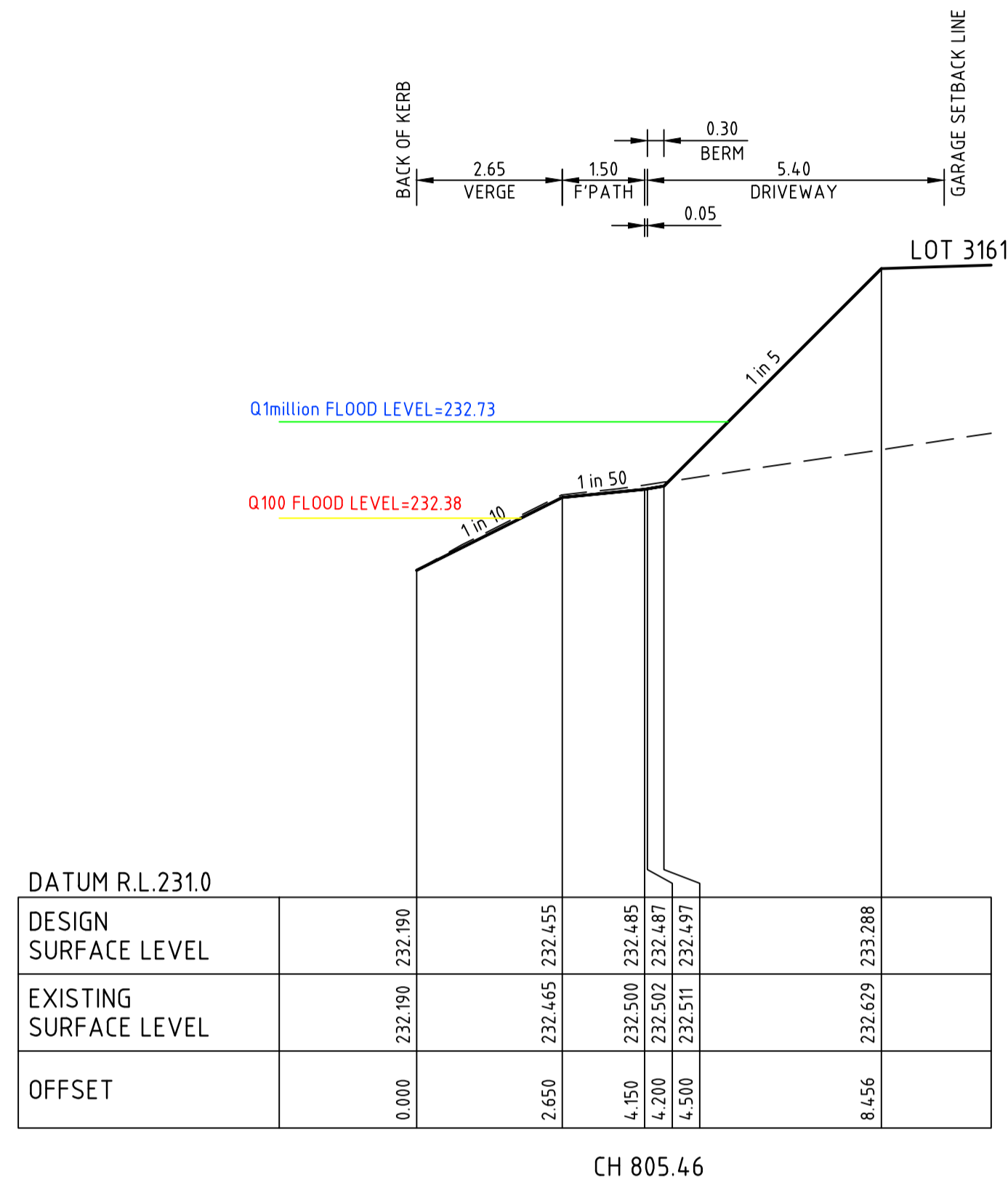
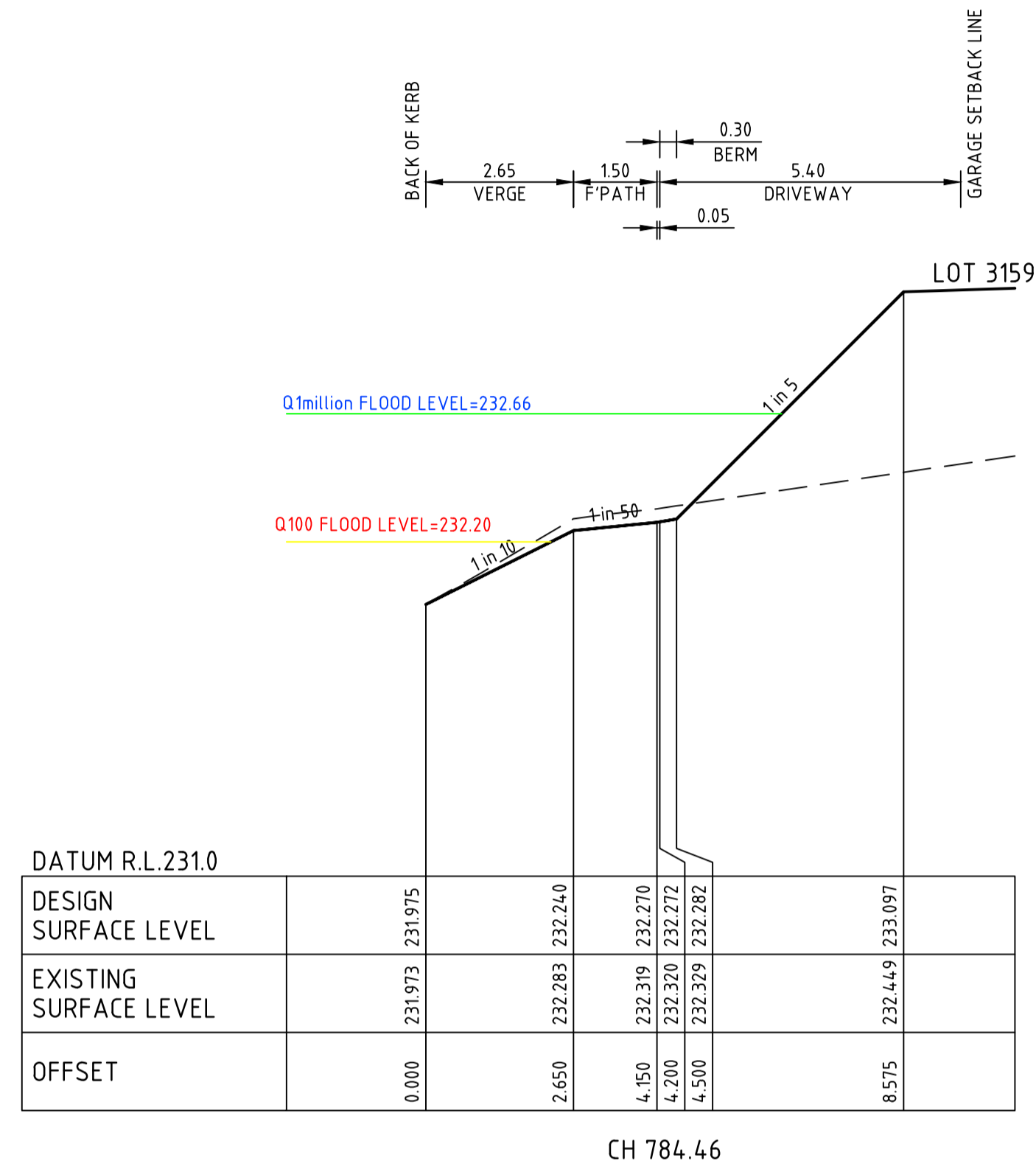
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PP No: P19872

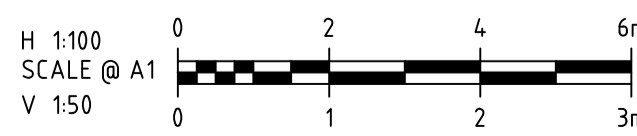
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REVISION: 0

ORIGINAL SIZE A1



REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
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B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560 E melbourne@cosweb.com.au

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APPROVED: *R. Todd*

DESIGNED: MA

SCALE: AS SHOWN

PROJECT: ASTON ESTATE

TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS

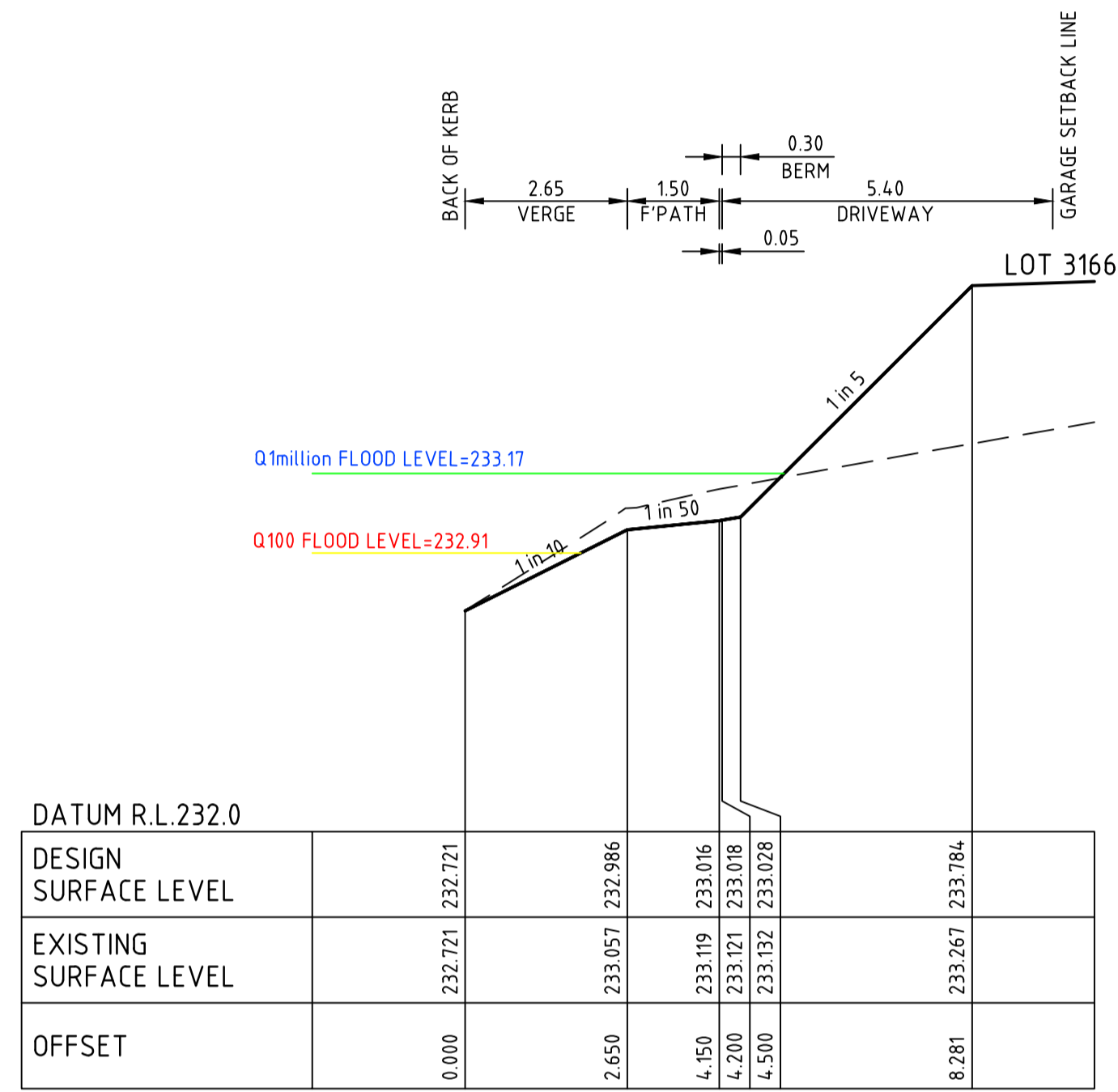
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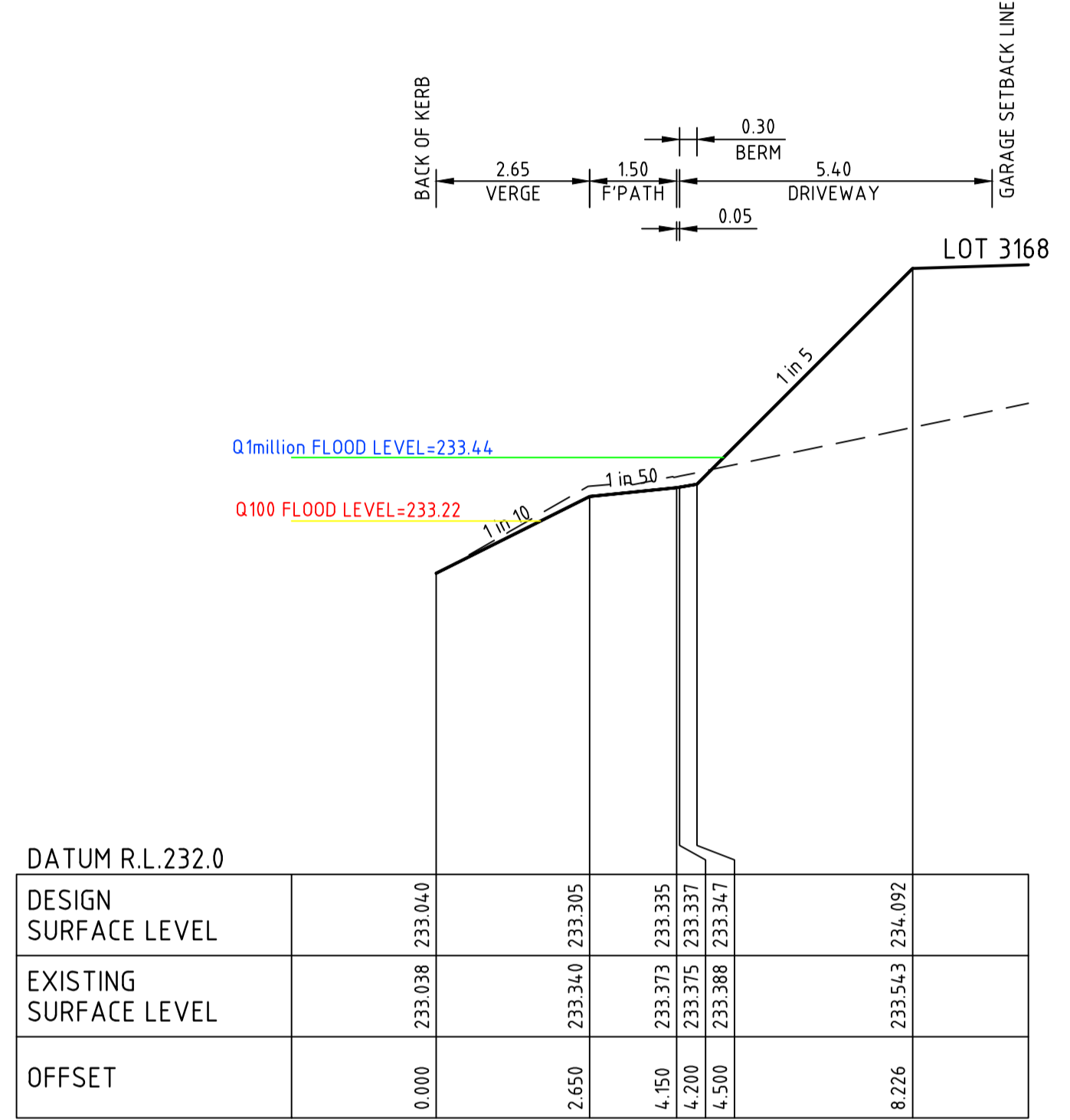
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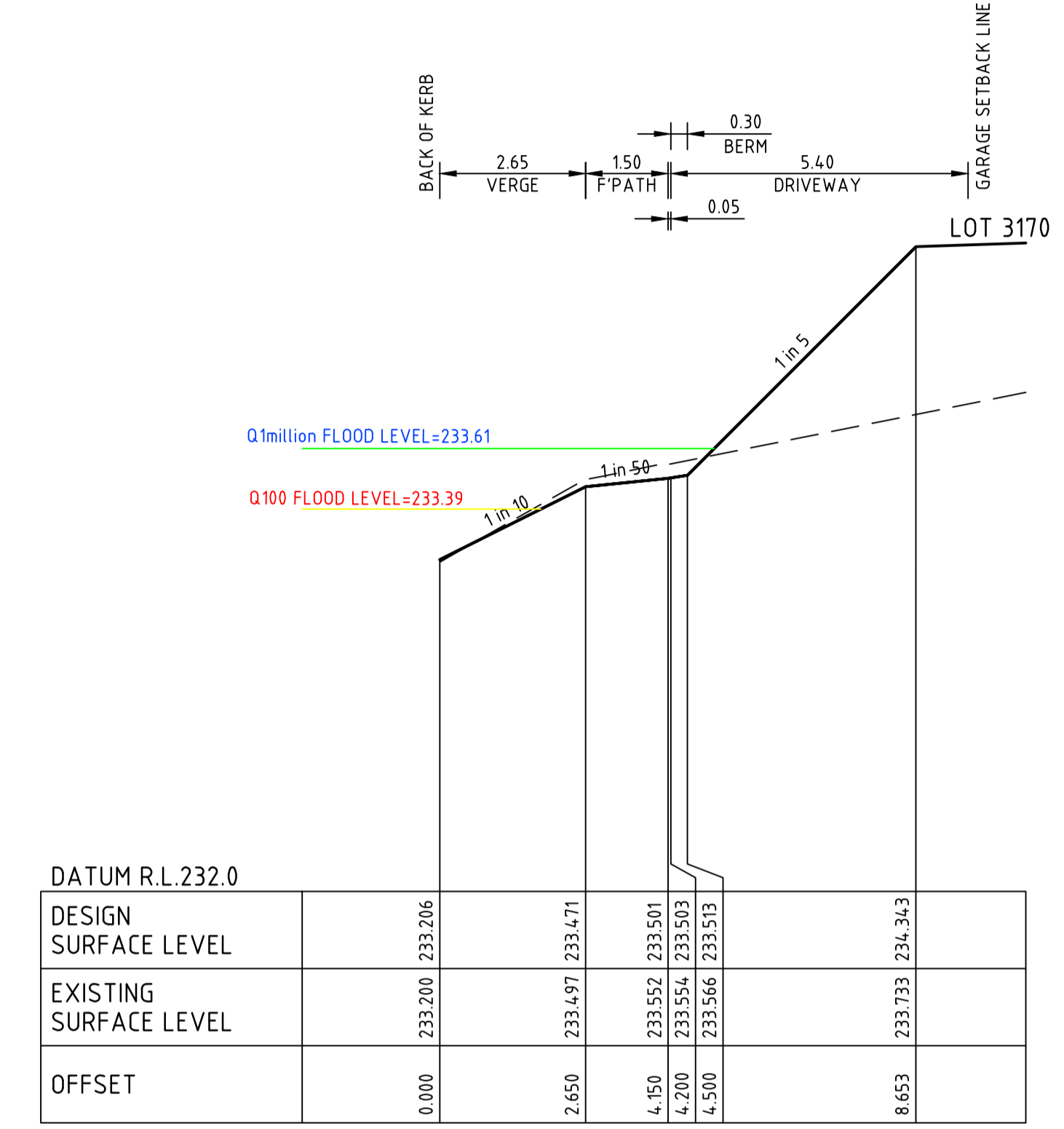
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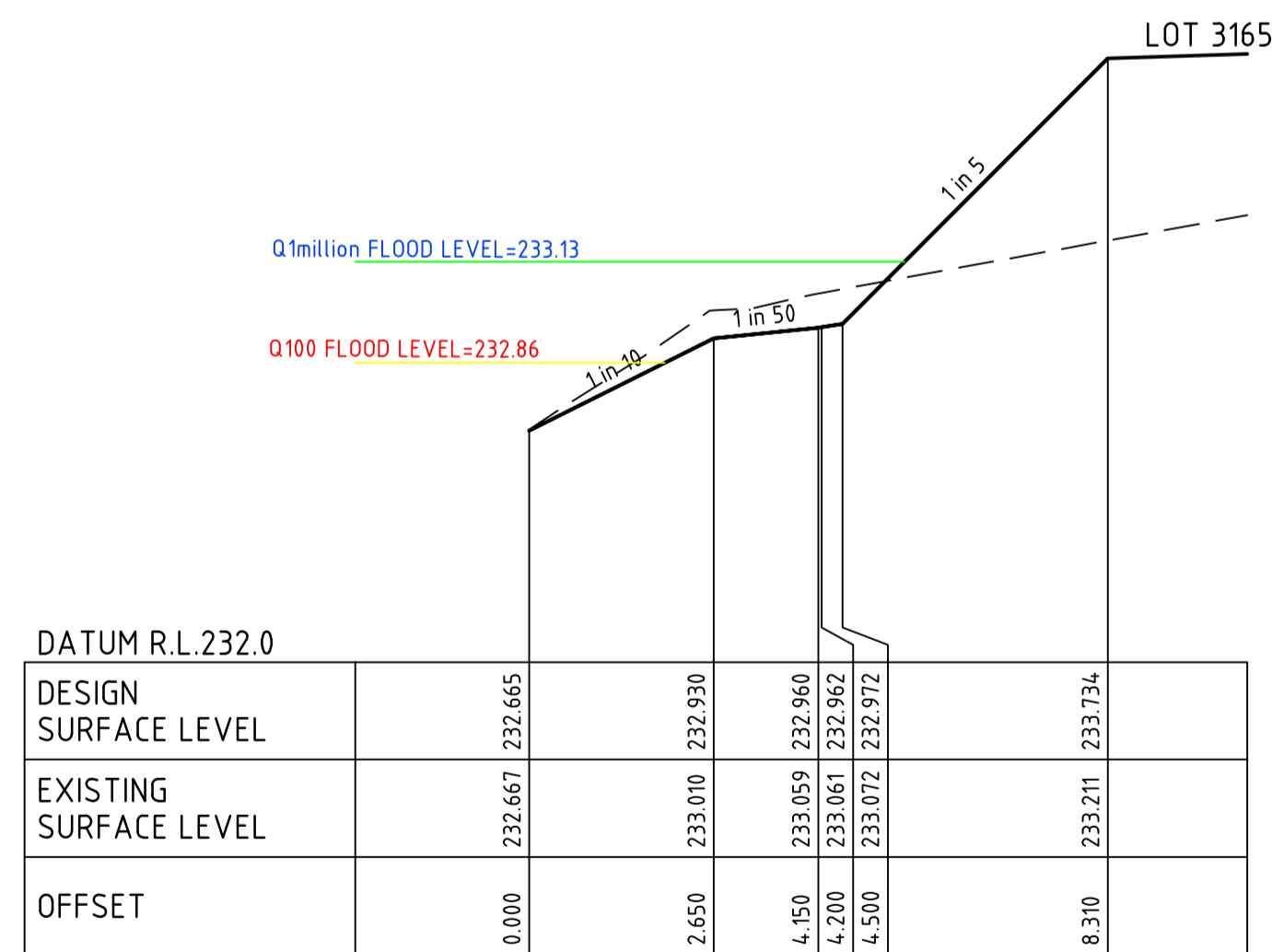
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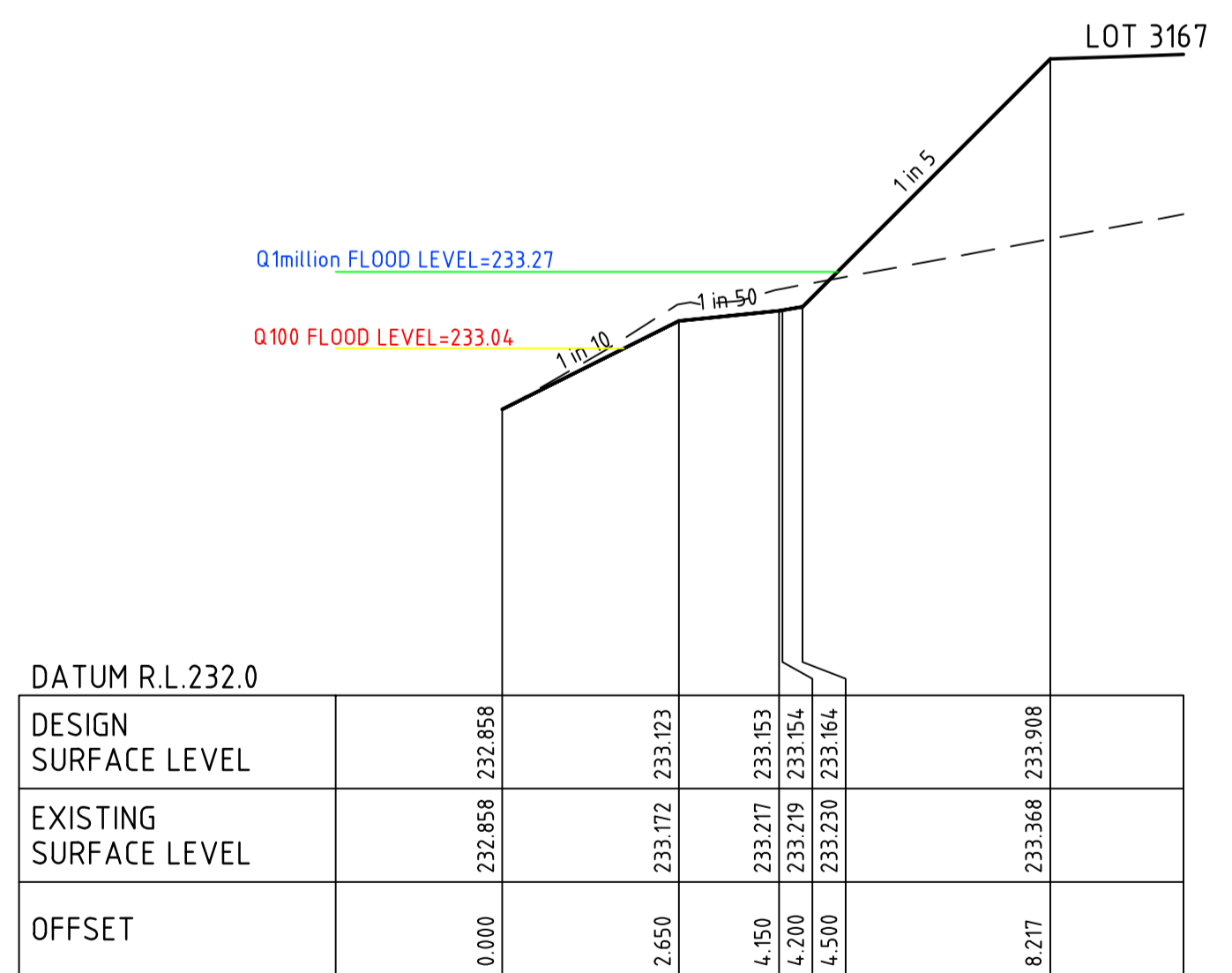
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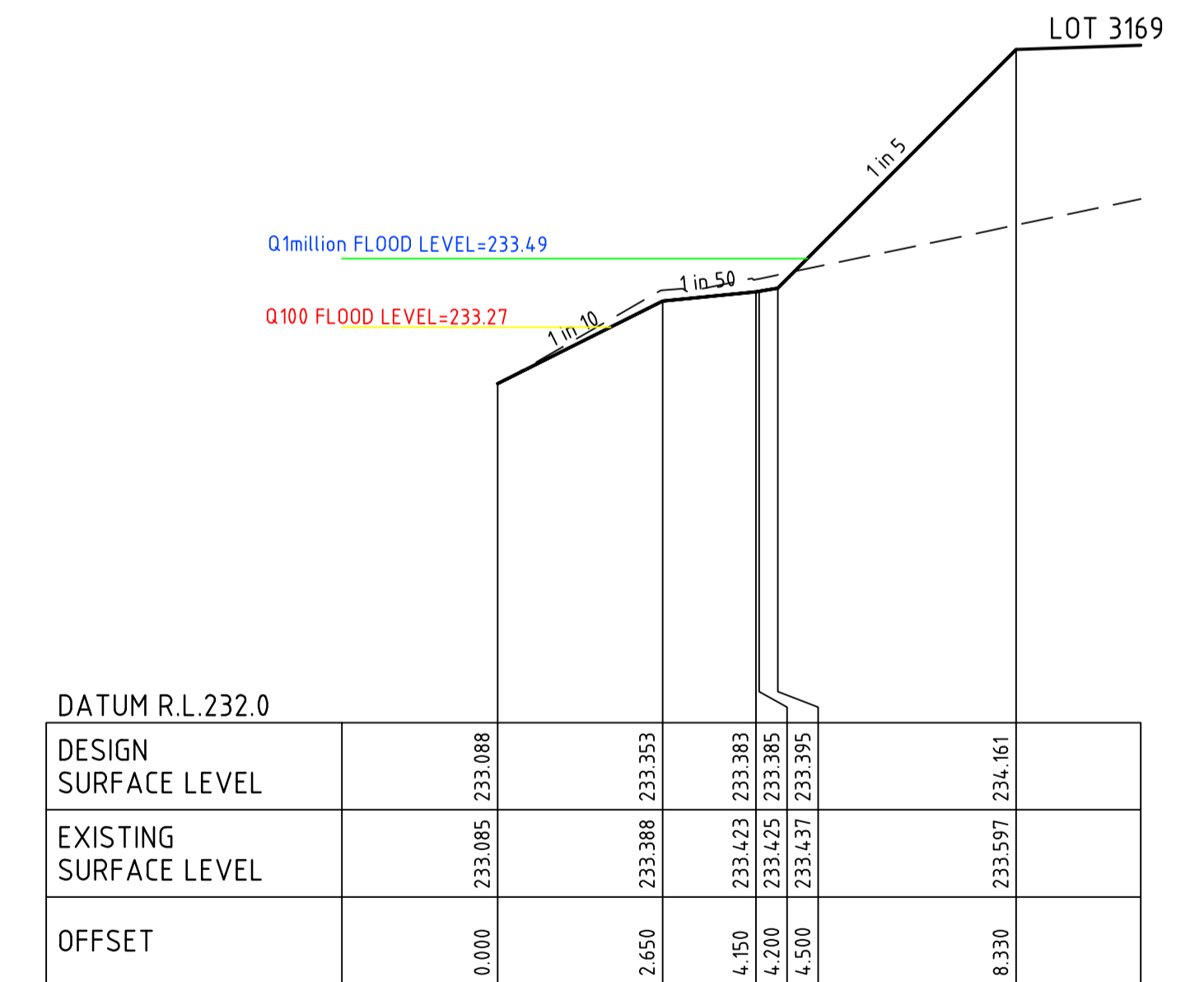
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CH 856.96

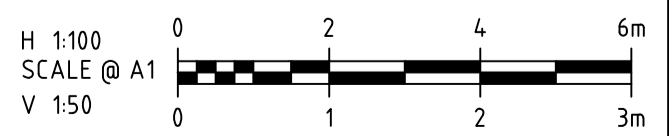


CH 874.46



CH 897.46

0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	MA	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



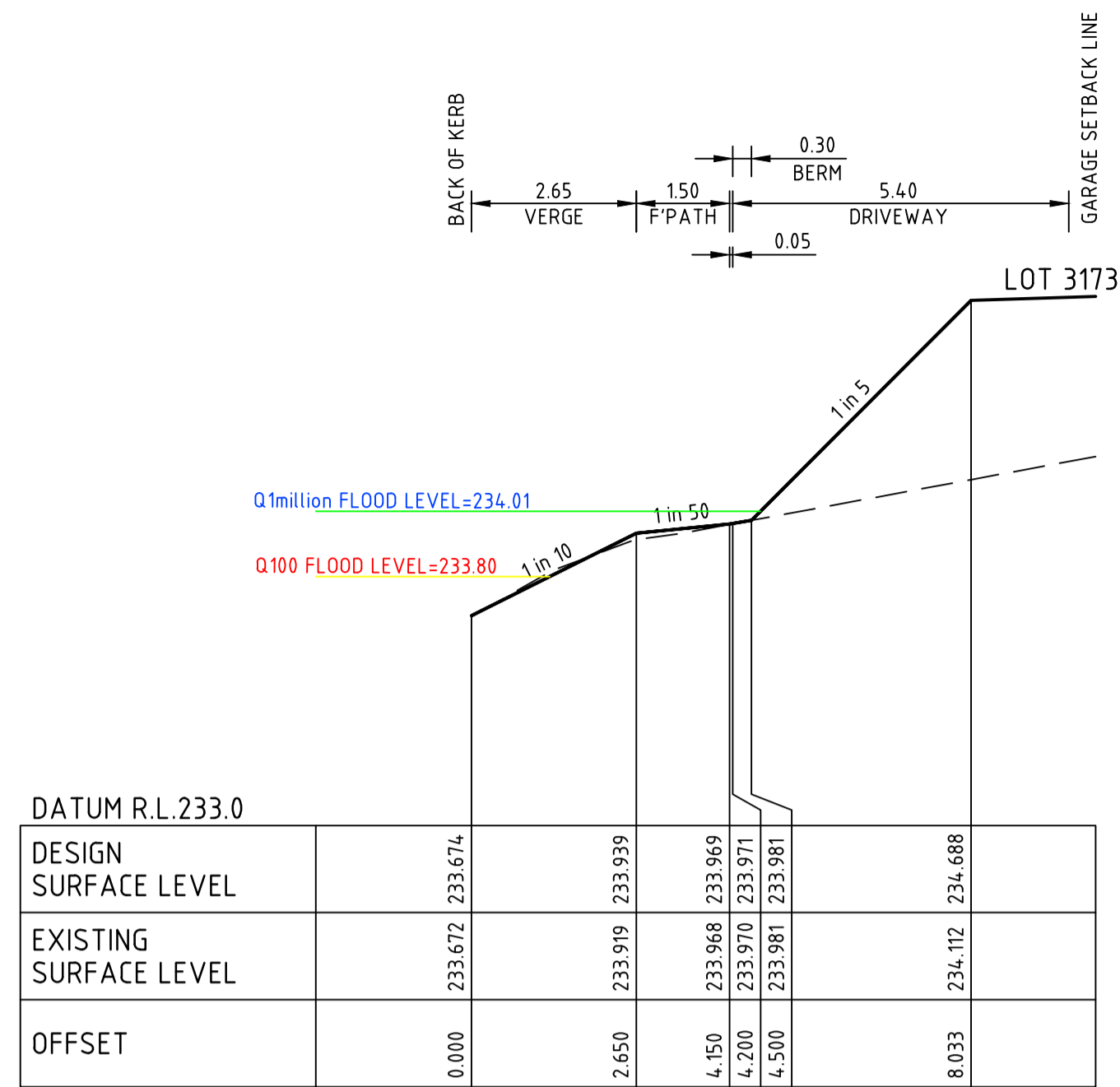
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T (03) 8548 1560 E melbourne@cosweb.com.au

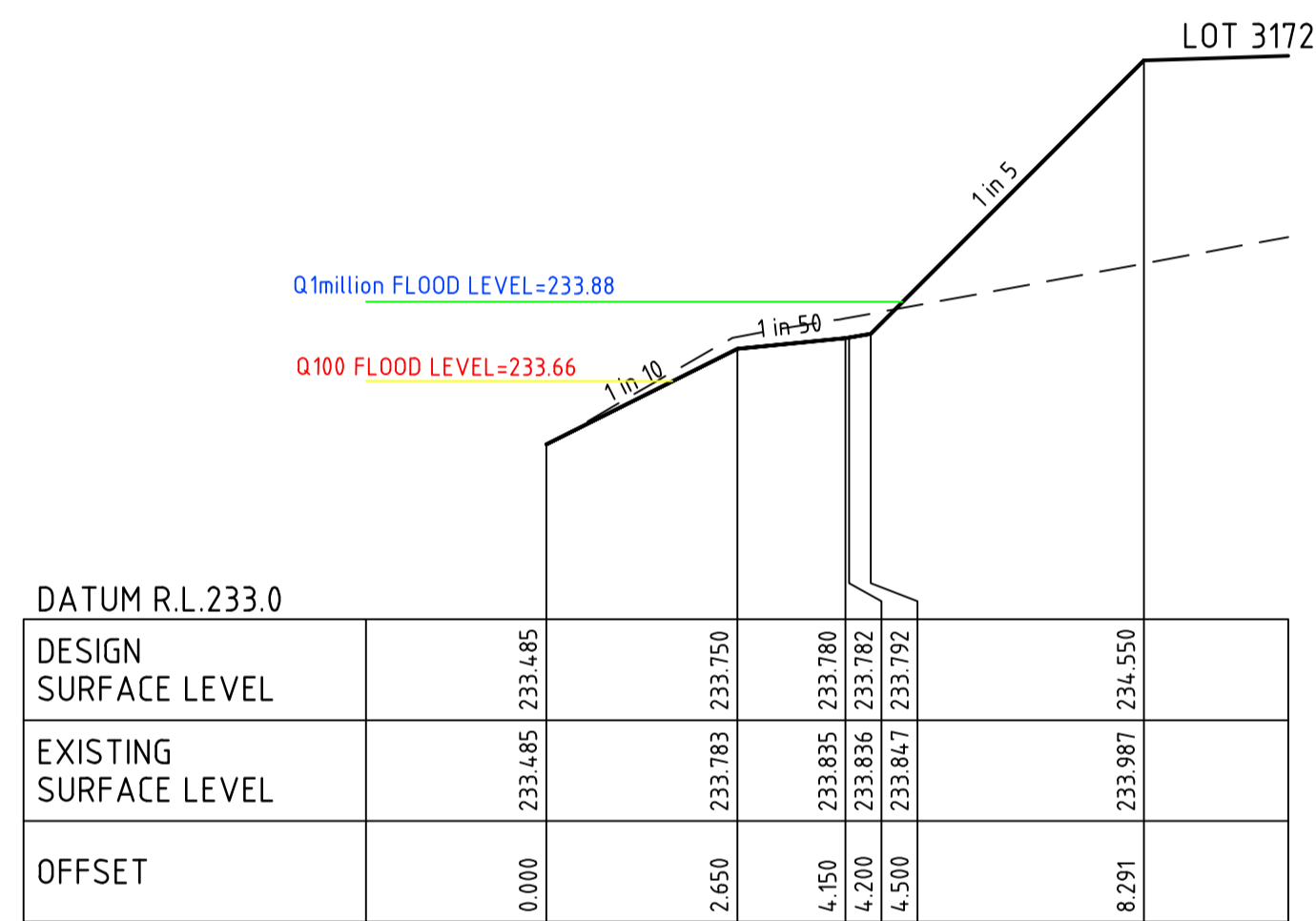
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APPROVED: *R. Todd*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT: ASTON ESTATE
TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS
MUNICIPALITY: HUME CITY COUNCIL
PP No: P19872
DRAWING No: 3161-31-230
REVISION: 0

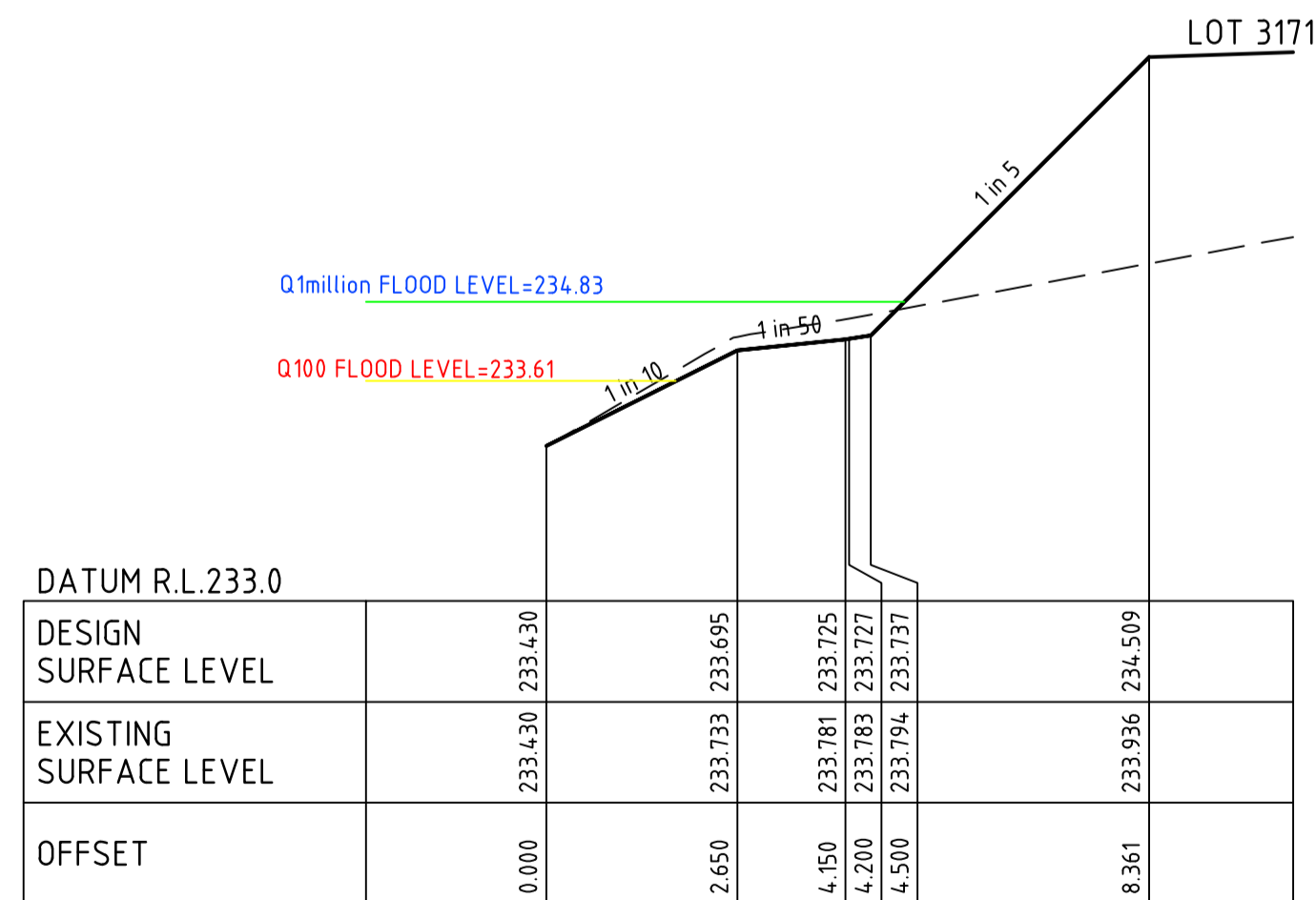
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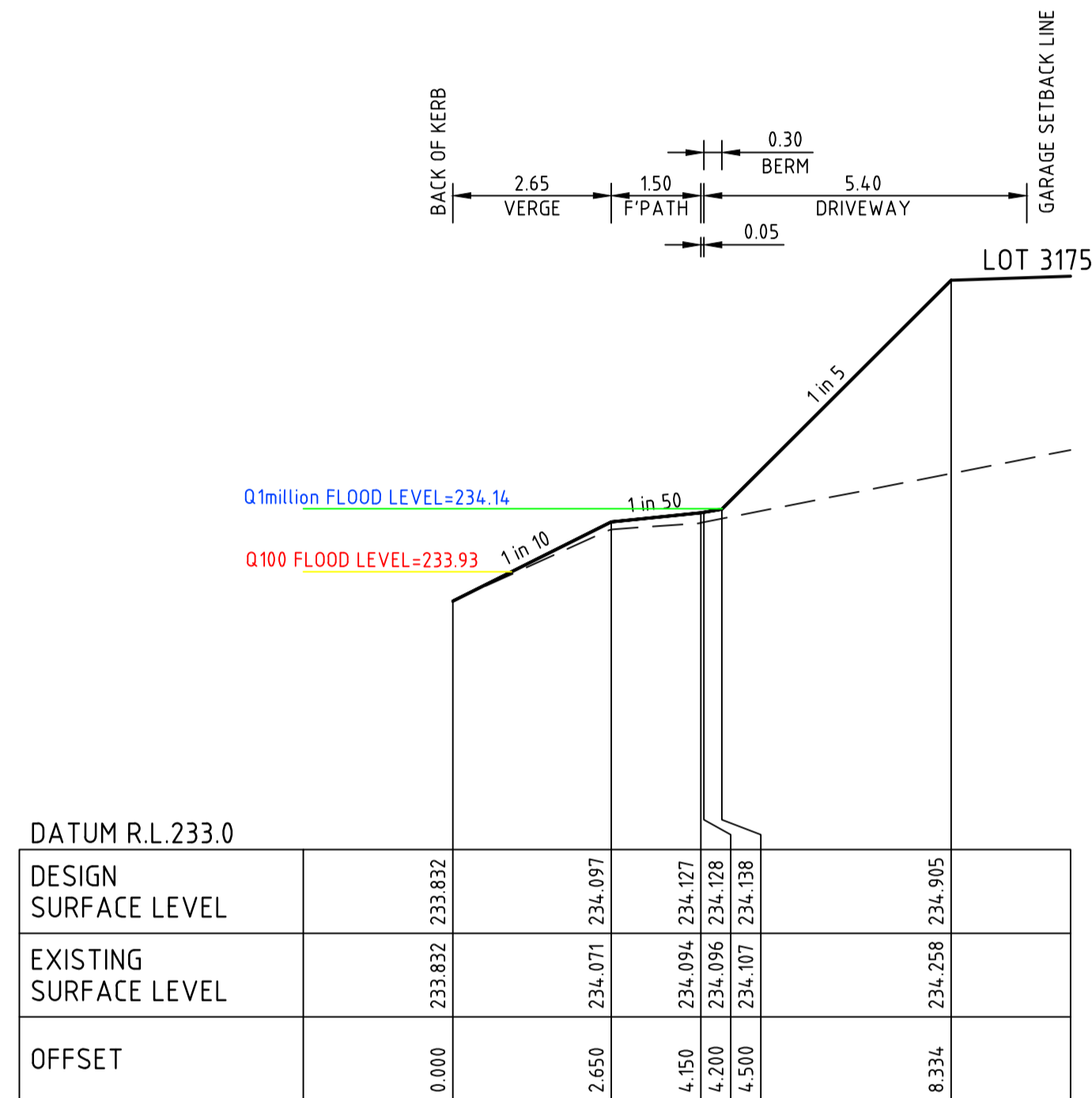
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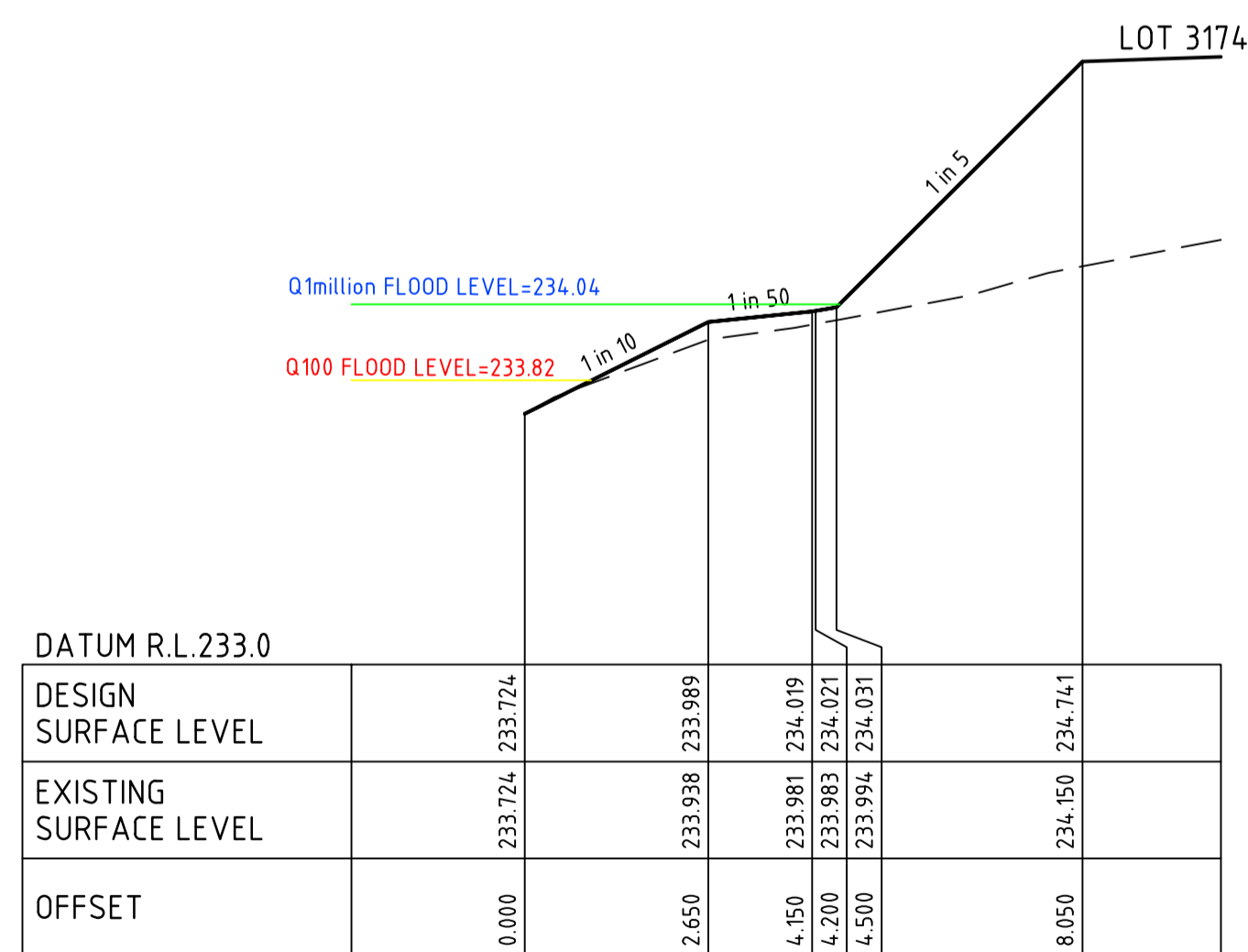
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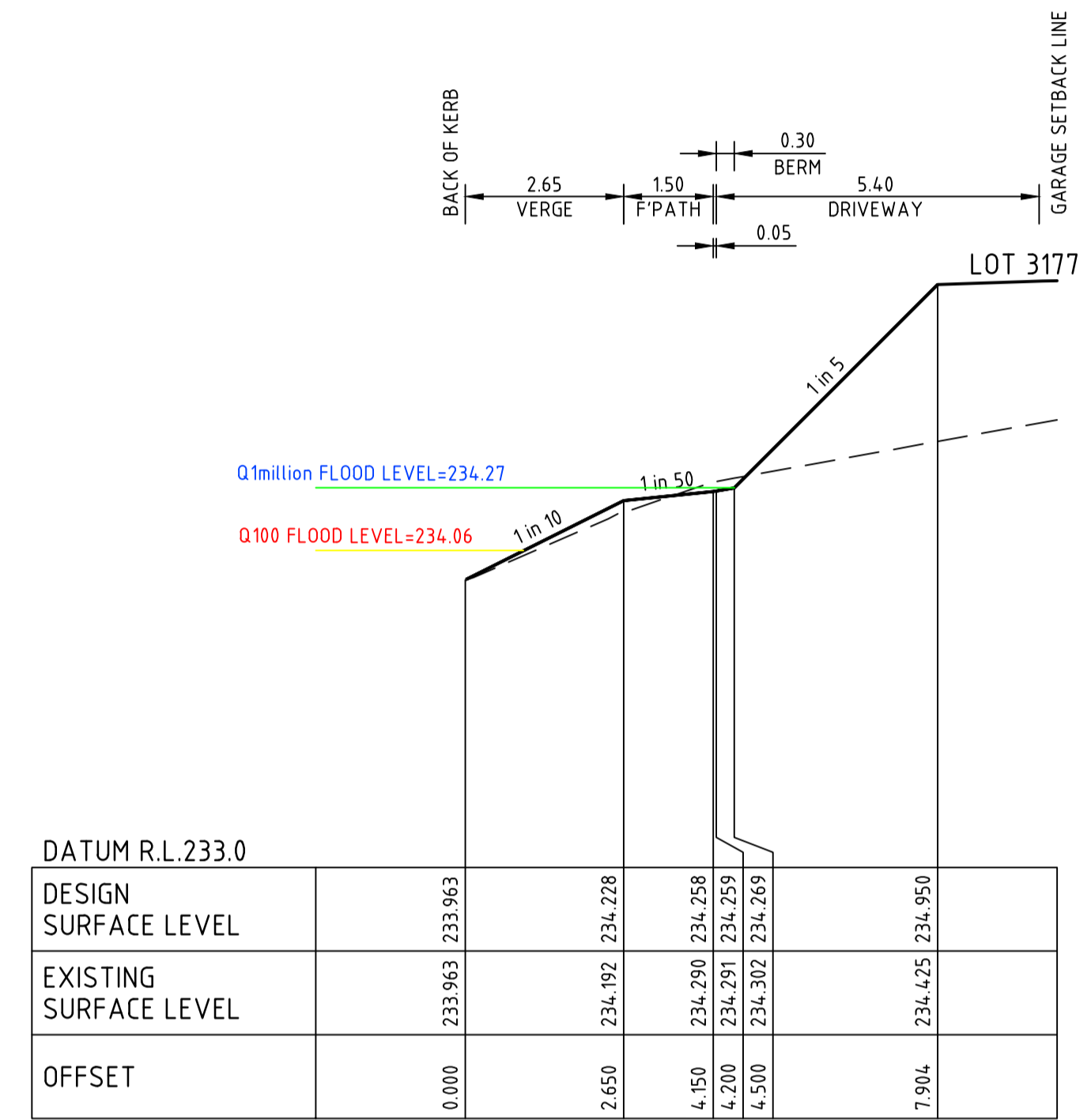
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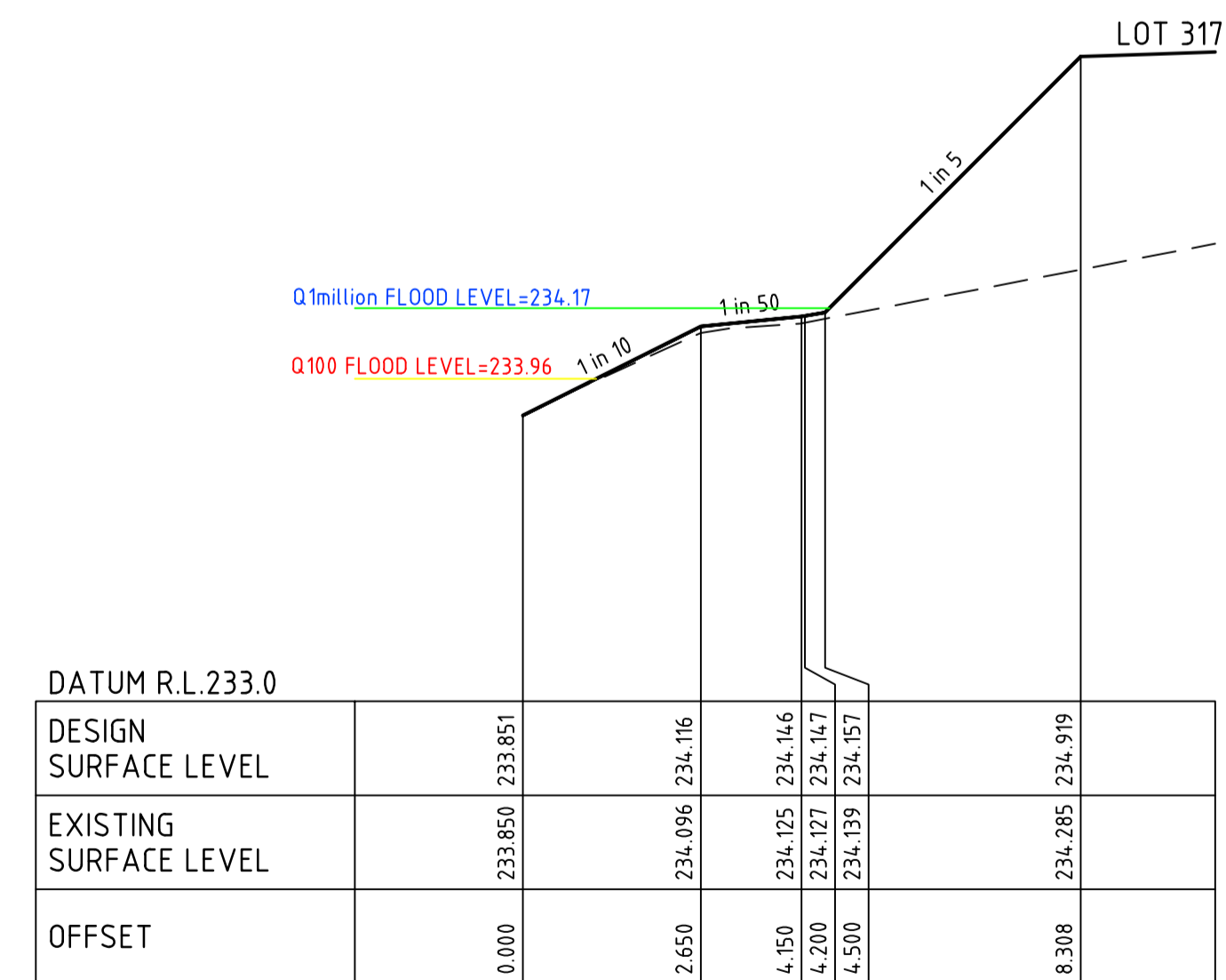
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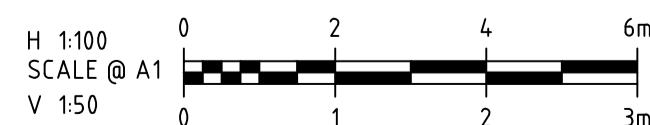


CH 1005.96



CH 984.46

REV	DATE	DRN	CKD	APP	AMENDMENT
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C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Mailing Address
PO Box 33152
Melbourne VIC 3004

Street Address
Suite 2.04, 390 St Kilda Road
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T (03) 8548 1560

E melbourne@cosweb.com.au

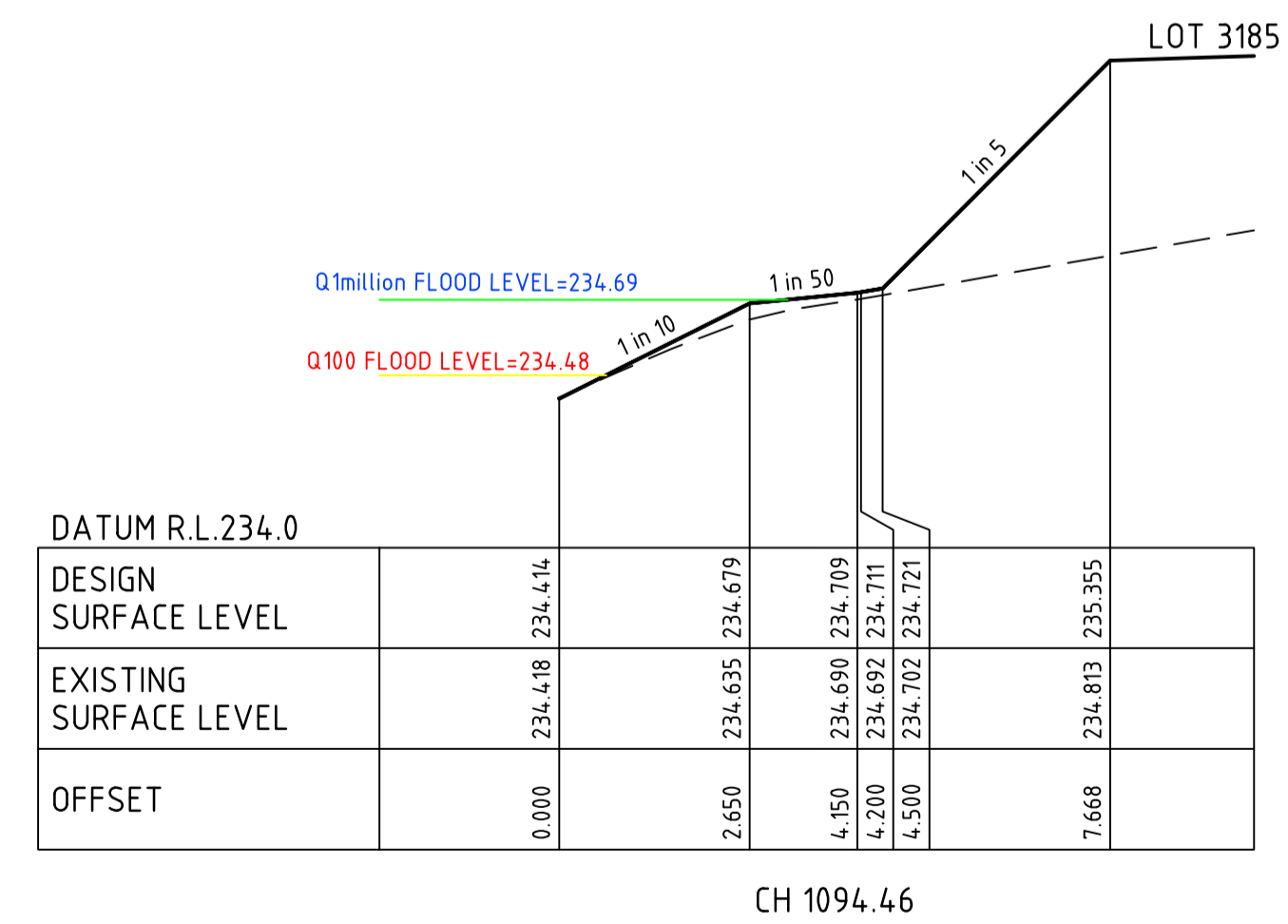
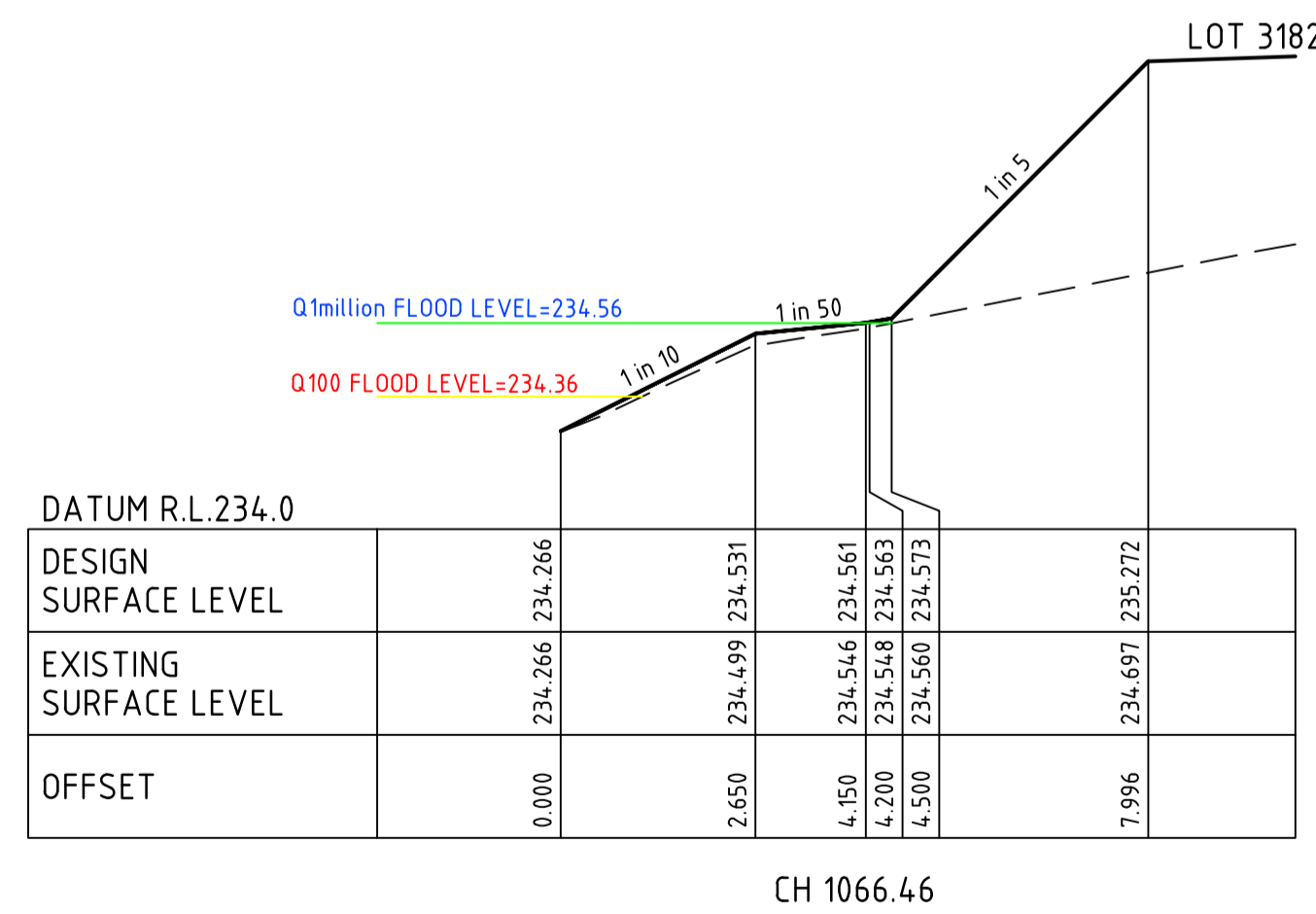
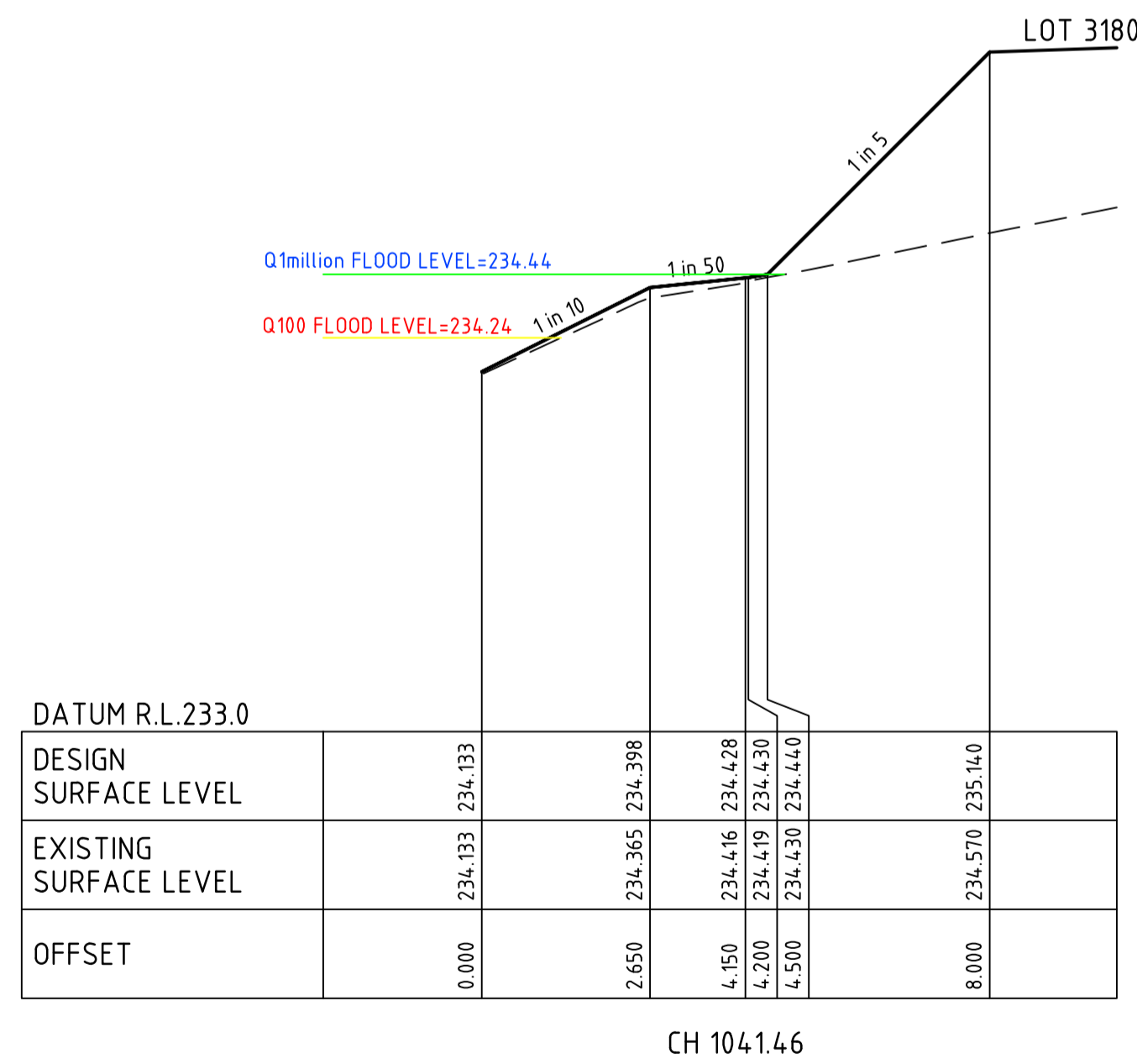
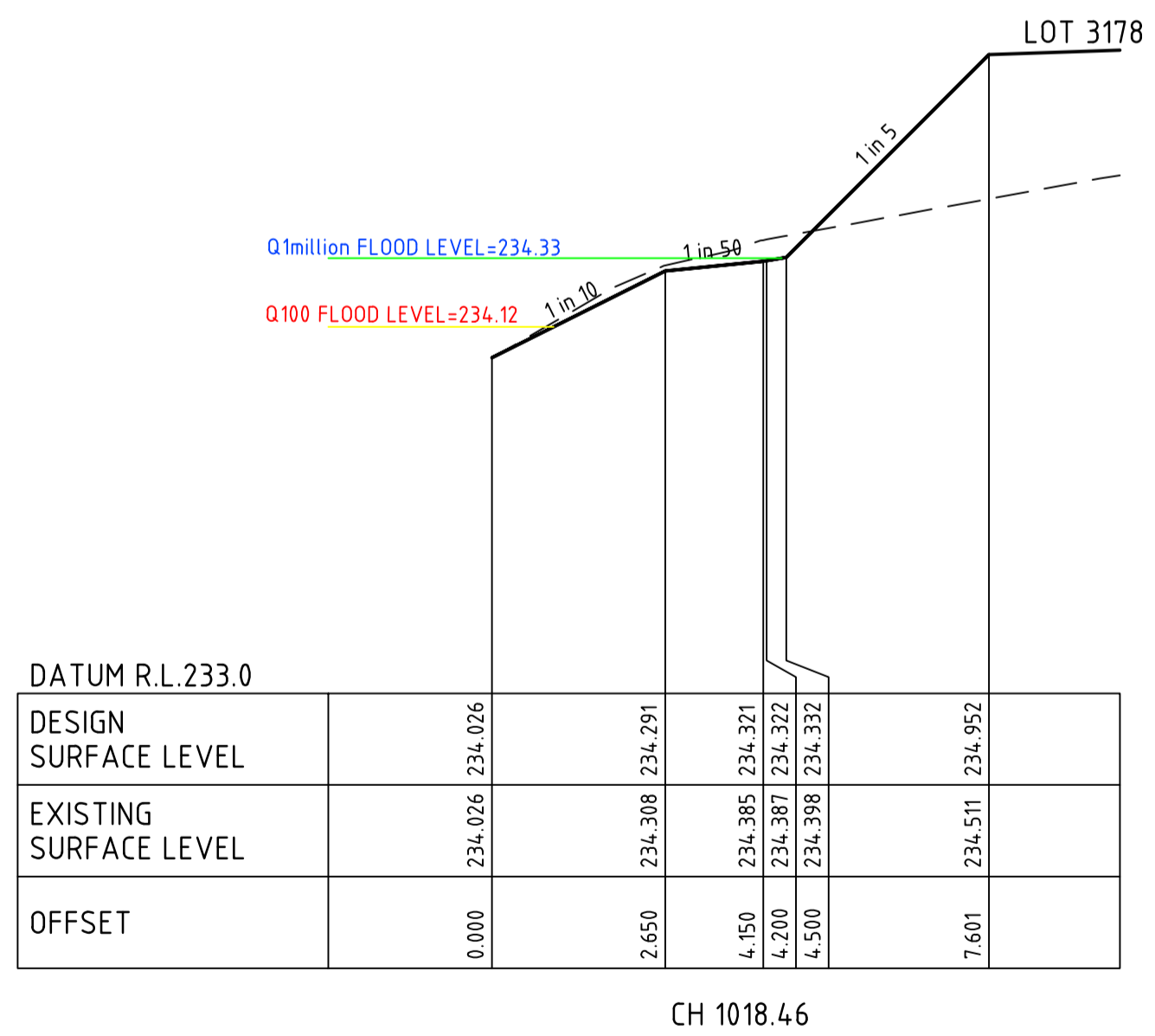
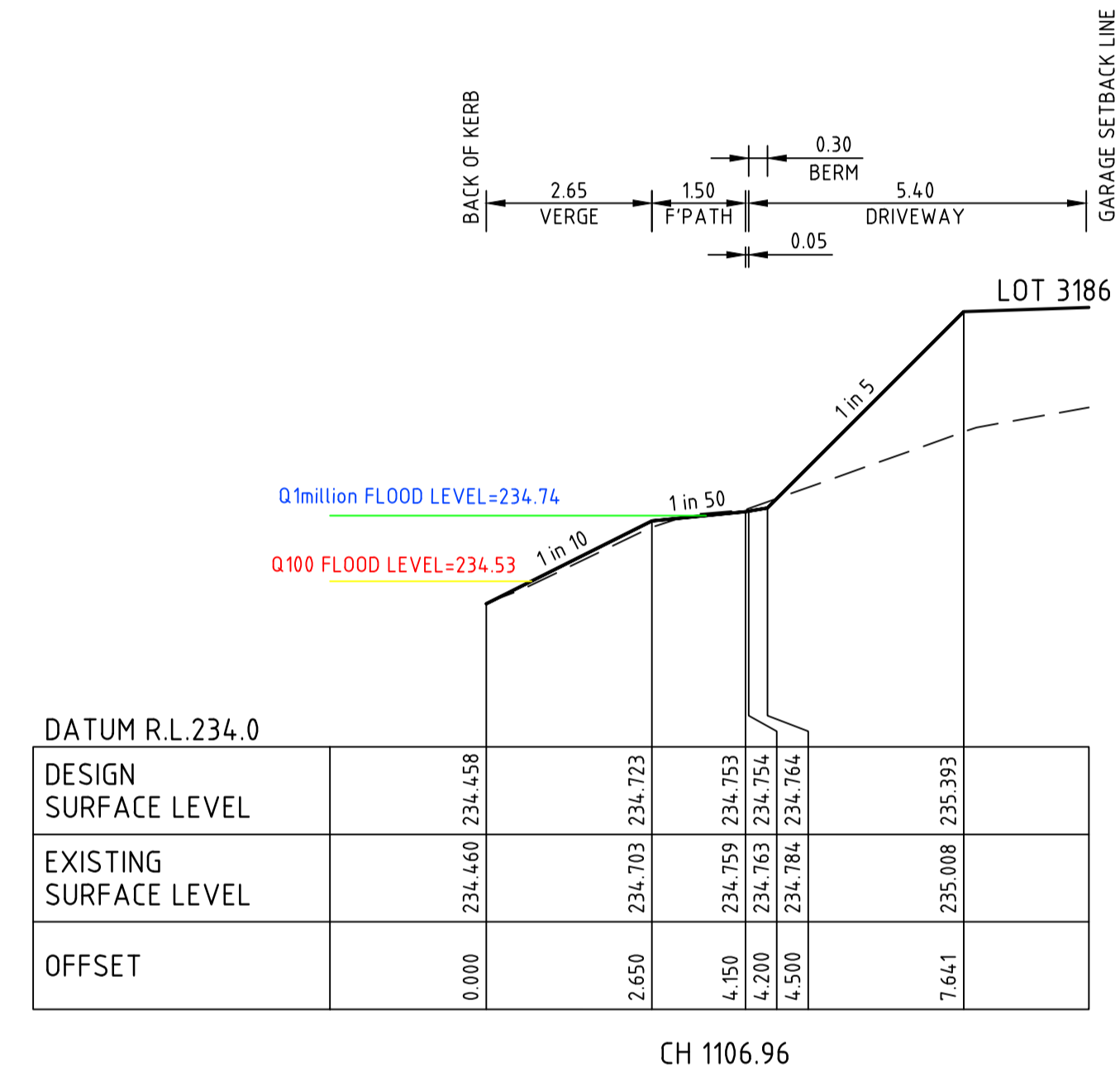
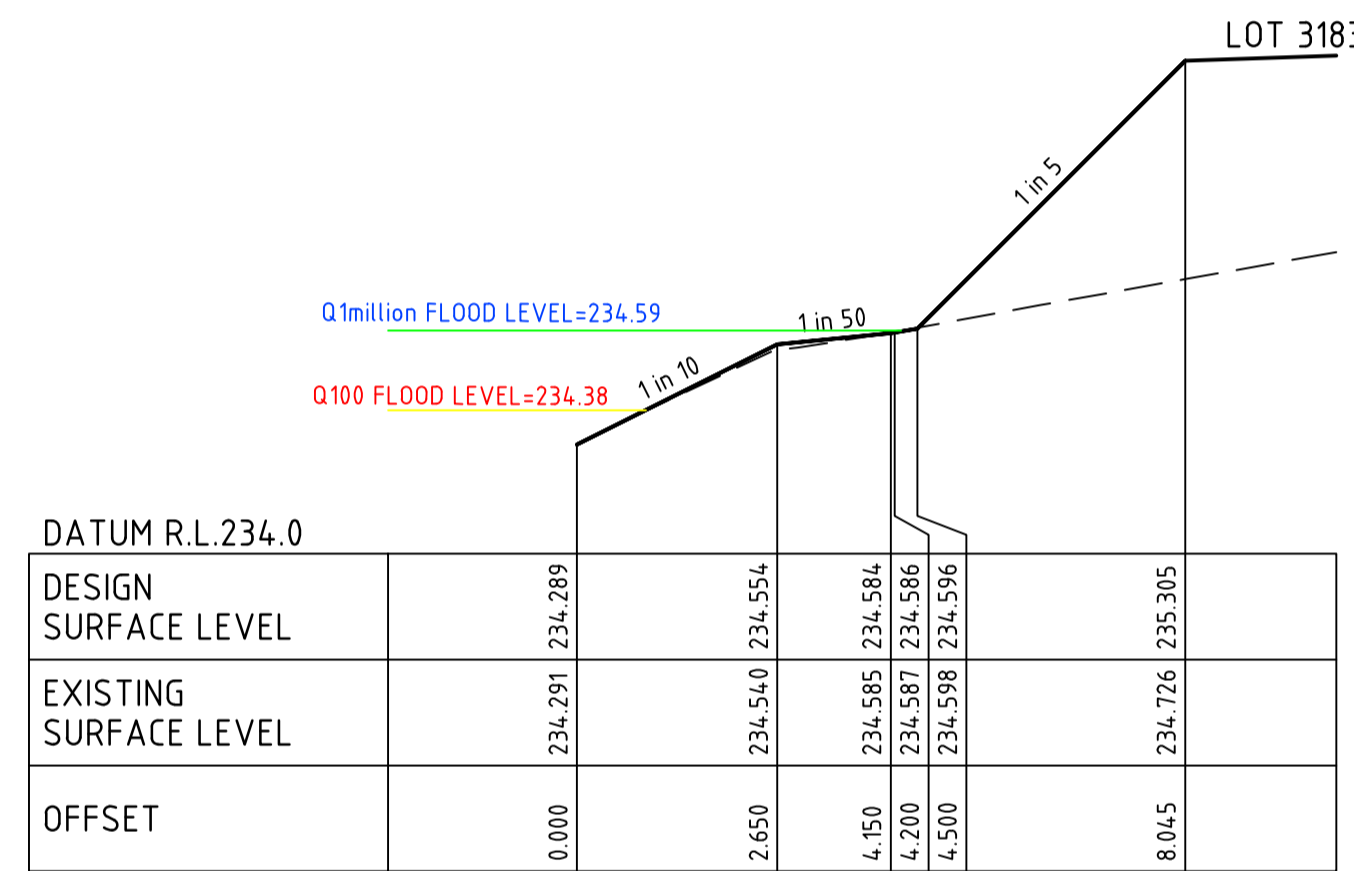
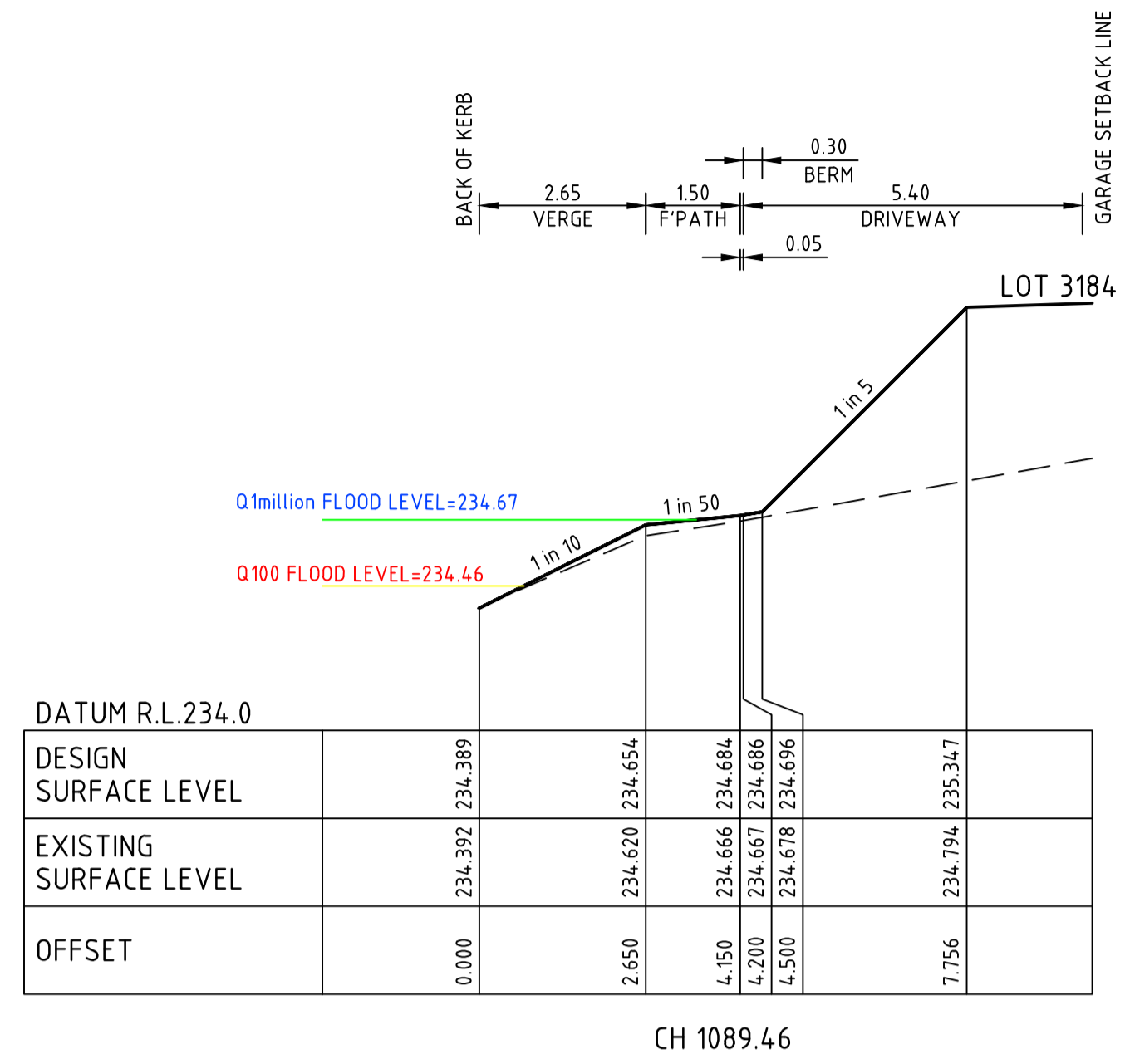
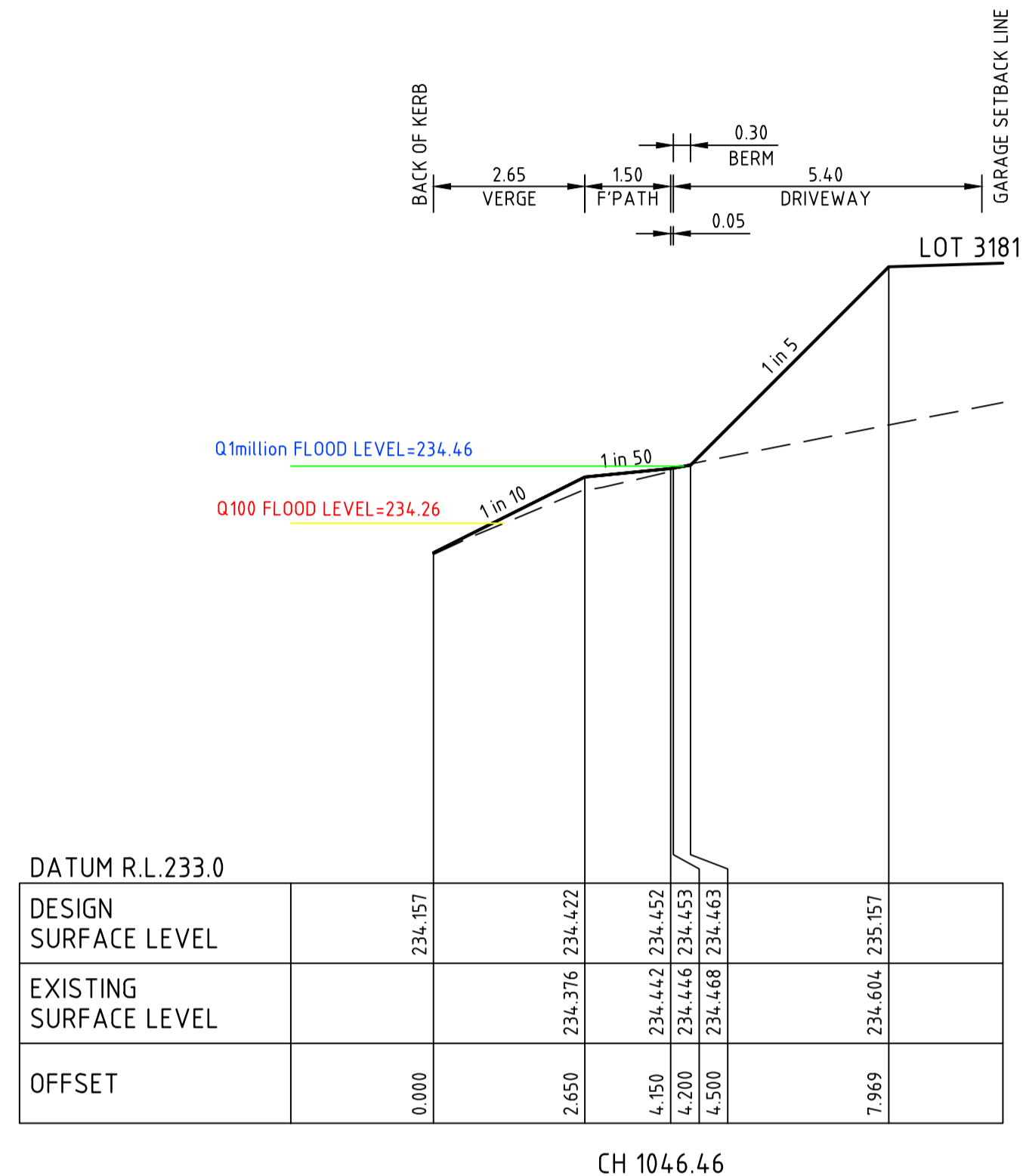
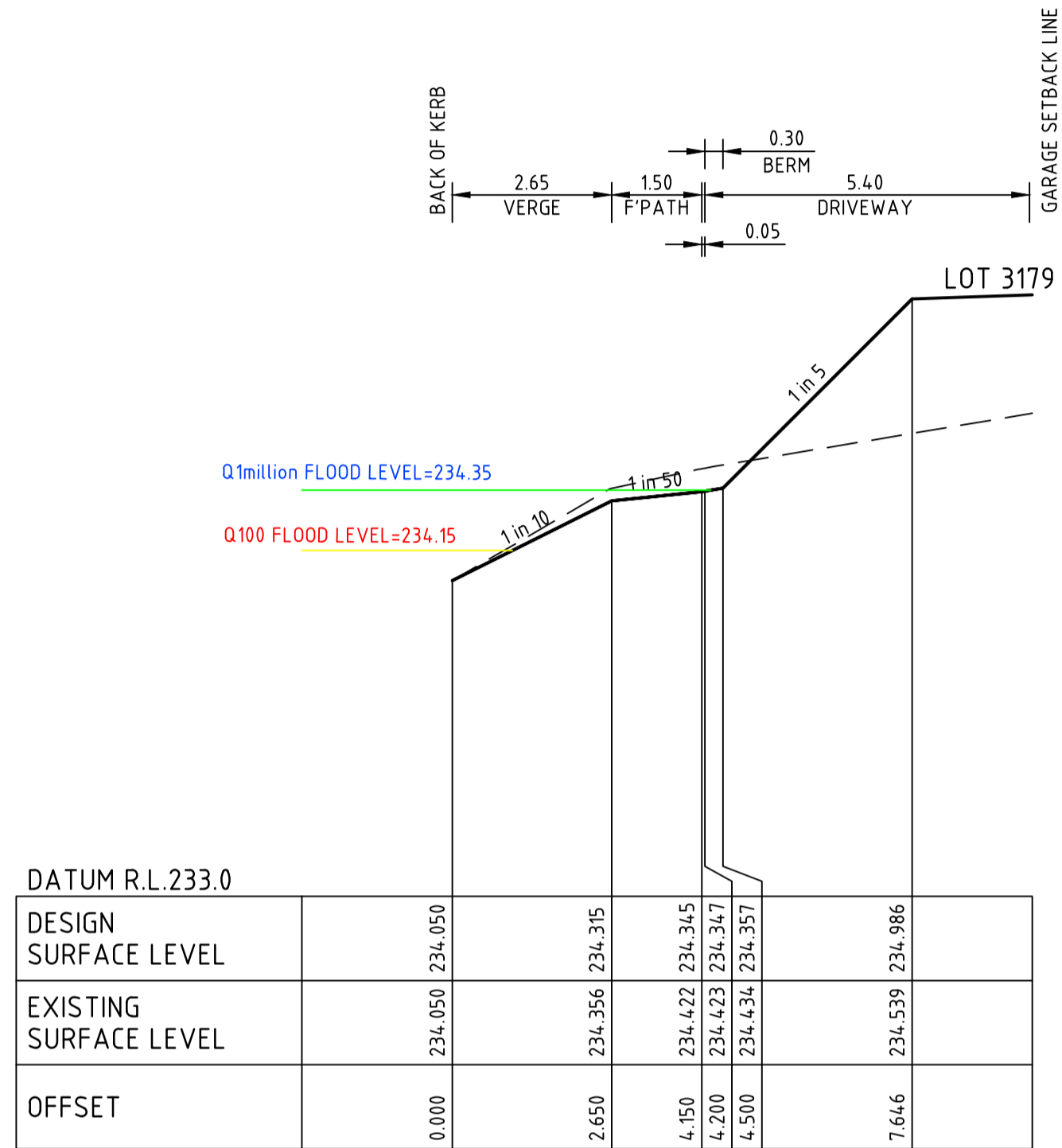
CLIENT
PEET

APPROVED
R. Todd

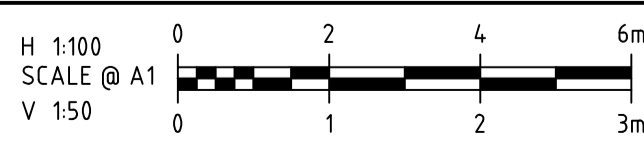
DESIGNED
MA

SCALE
AS SHOWN

PROJECT		MUNICIPALITY	
ASTON ESTATE		HUME CITY COUNCIL	
TITLE ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS			
PP No.	DRAWING No.	REVISION	ORIGINAL SIZE
P19872	3161-31-231	0	A1



REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	01.04.19	MA	BJM	R. TODD	100YR AND 1 MILLION YR FLOOD LEVEL SHOWN
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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CONSULTING ENGINEERS

Mailing Address: PO Box 33152, Melbourne VIC 3004
Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004

T (03) 8548 1560
E melbourne@cosweb.com.au

CLIENT: PEET

APPROVED: [Signature]

DESIGNED: MA
SCALE: AS SHOWN

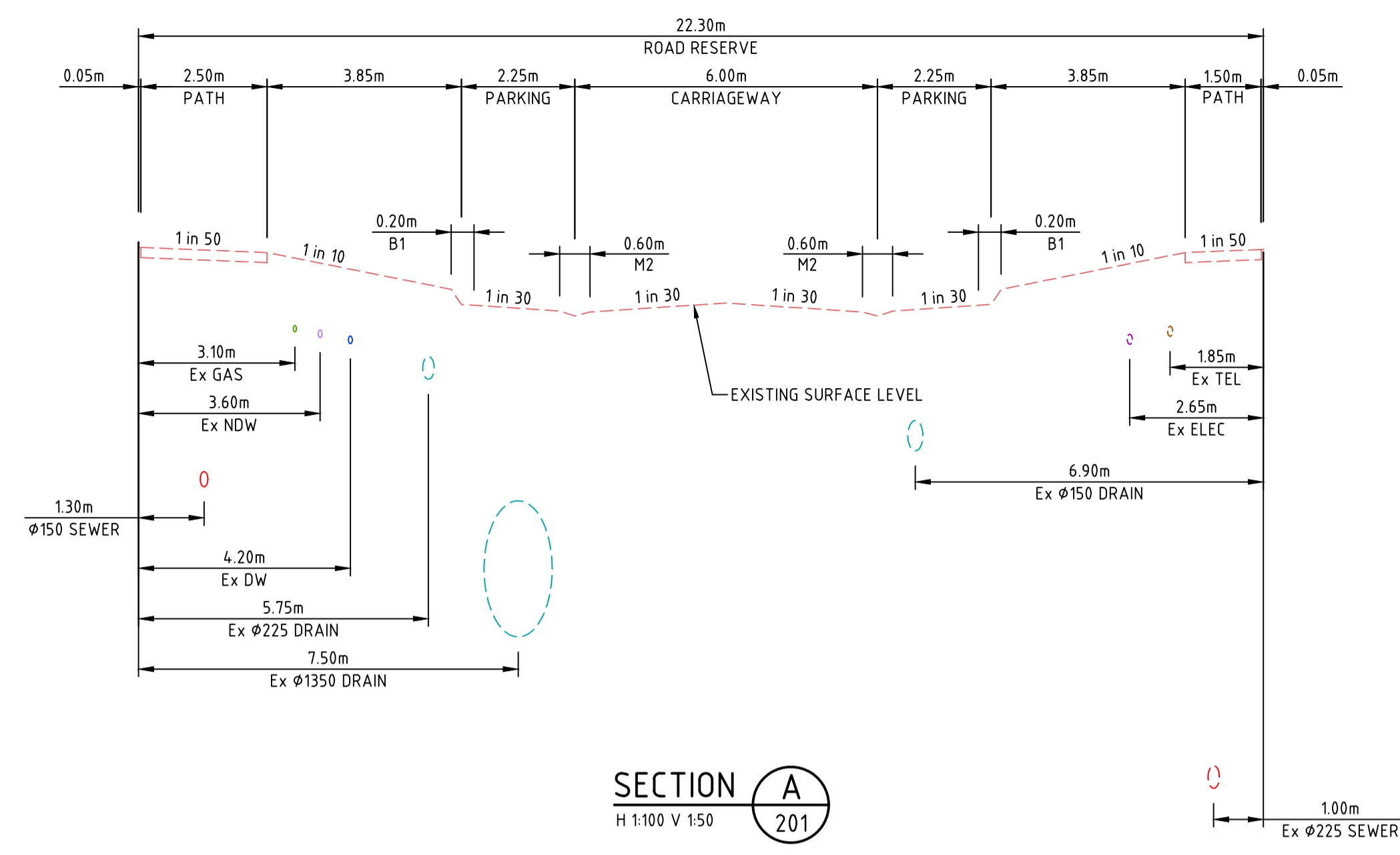
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TITLE: ROAD & DRAINAGE CROSS SECTIONS AT DRIVEWAYS

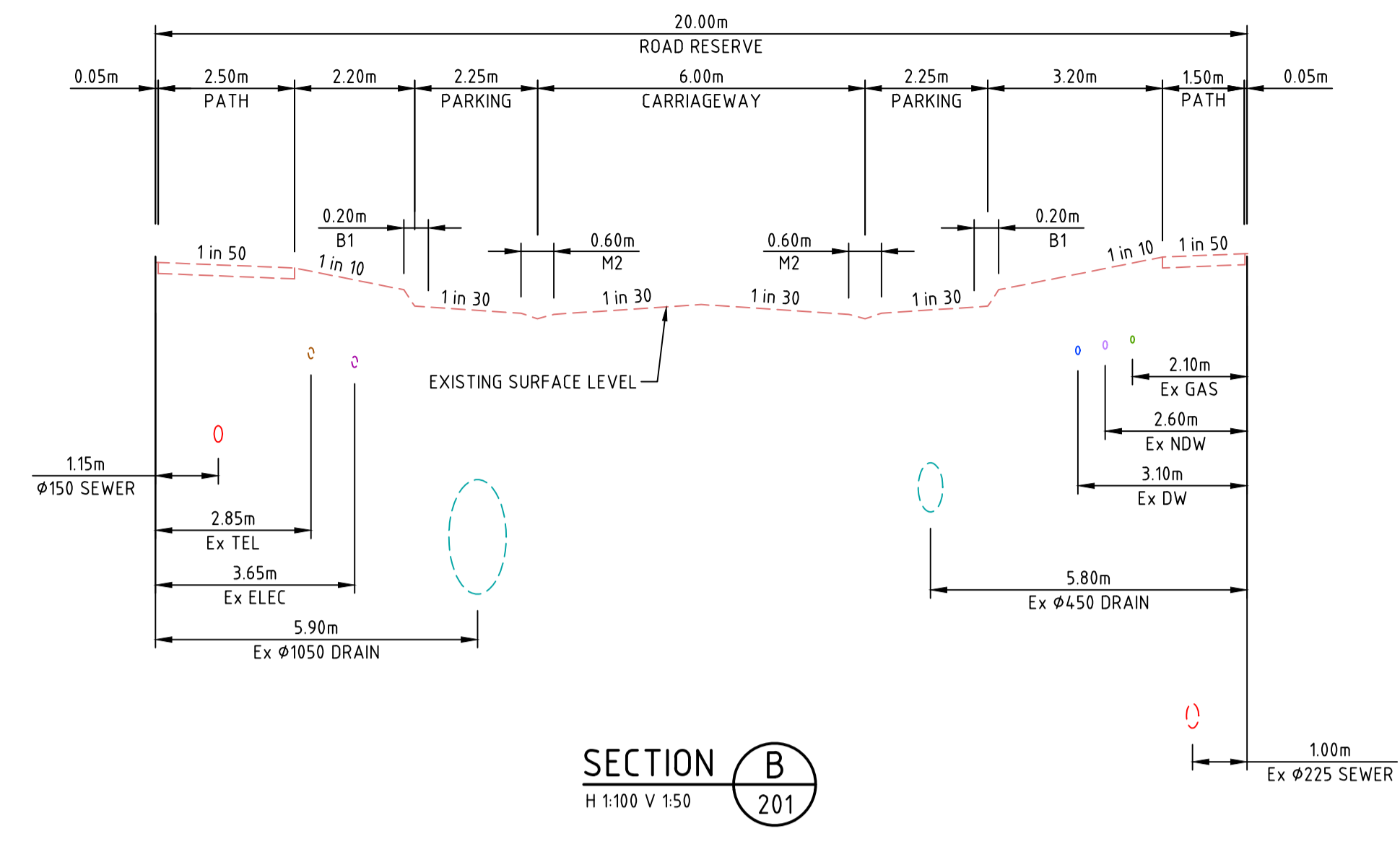
MUNICIPALITY: HUME CITY COUNCIL

PP No: P19872
DRAWING No: 3161-31-232
REVISION: 0

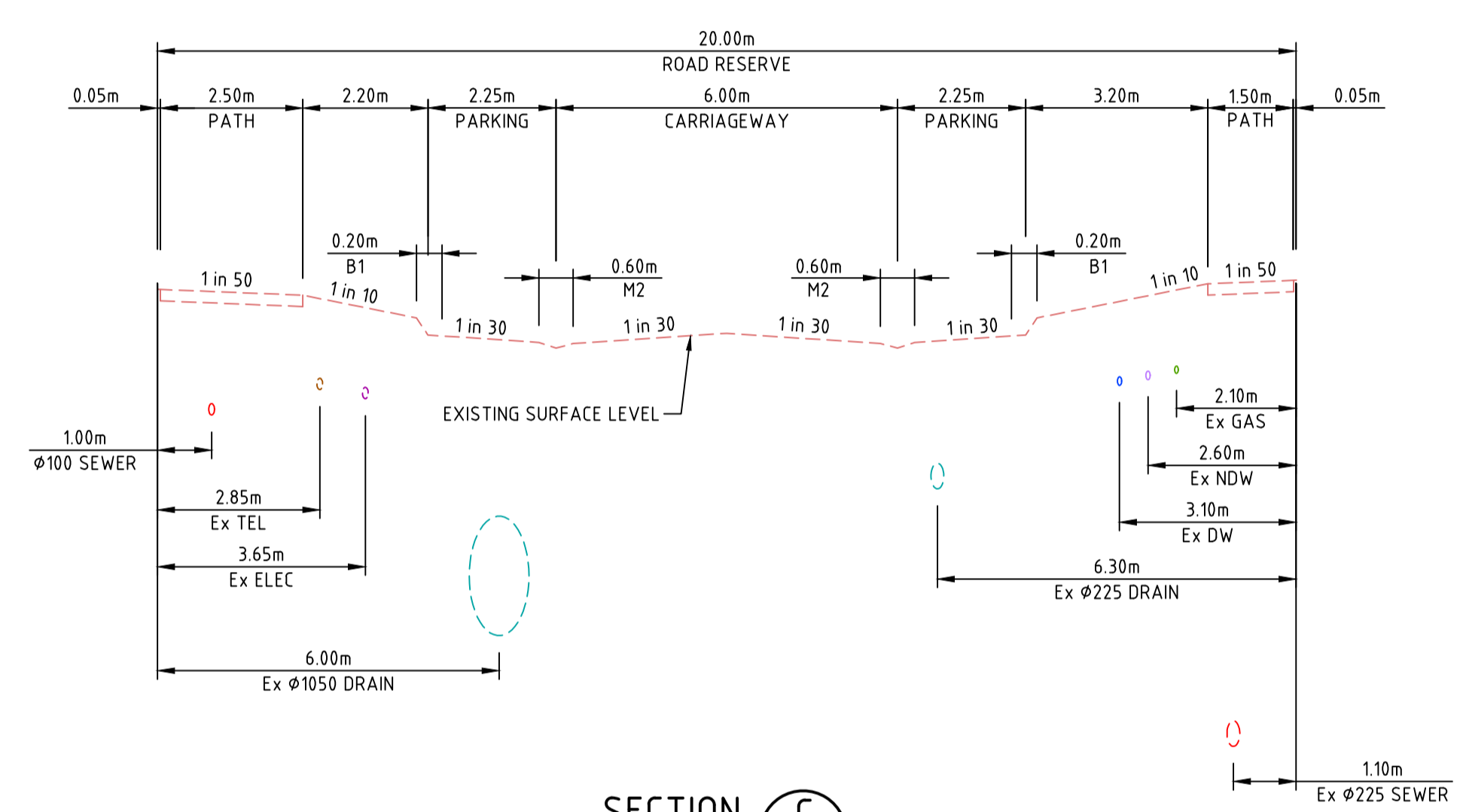
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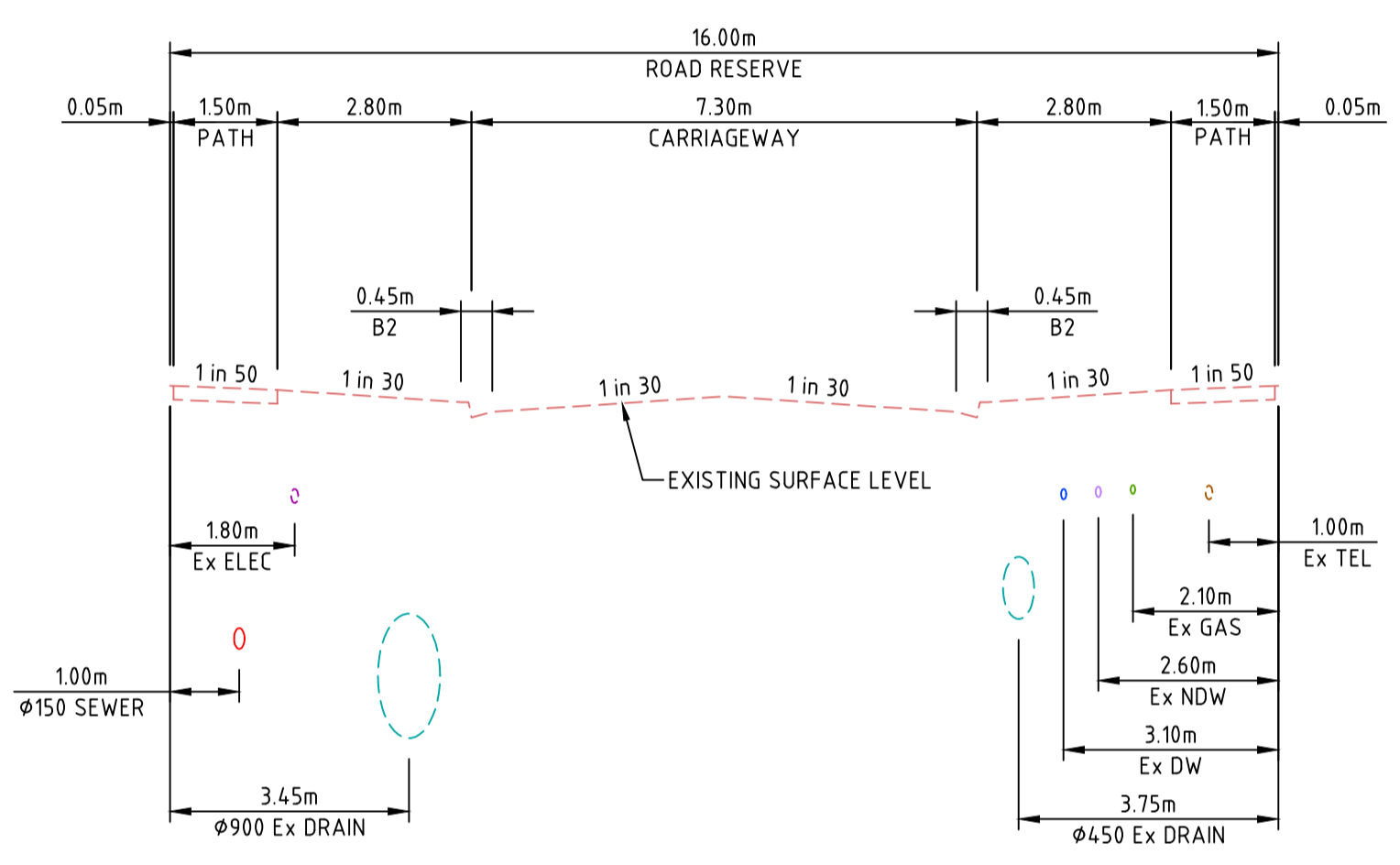
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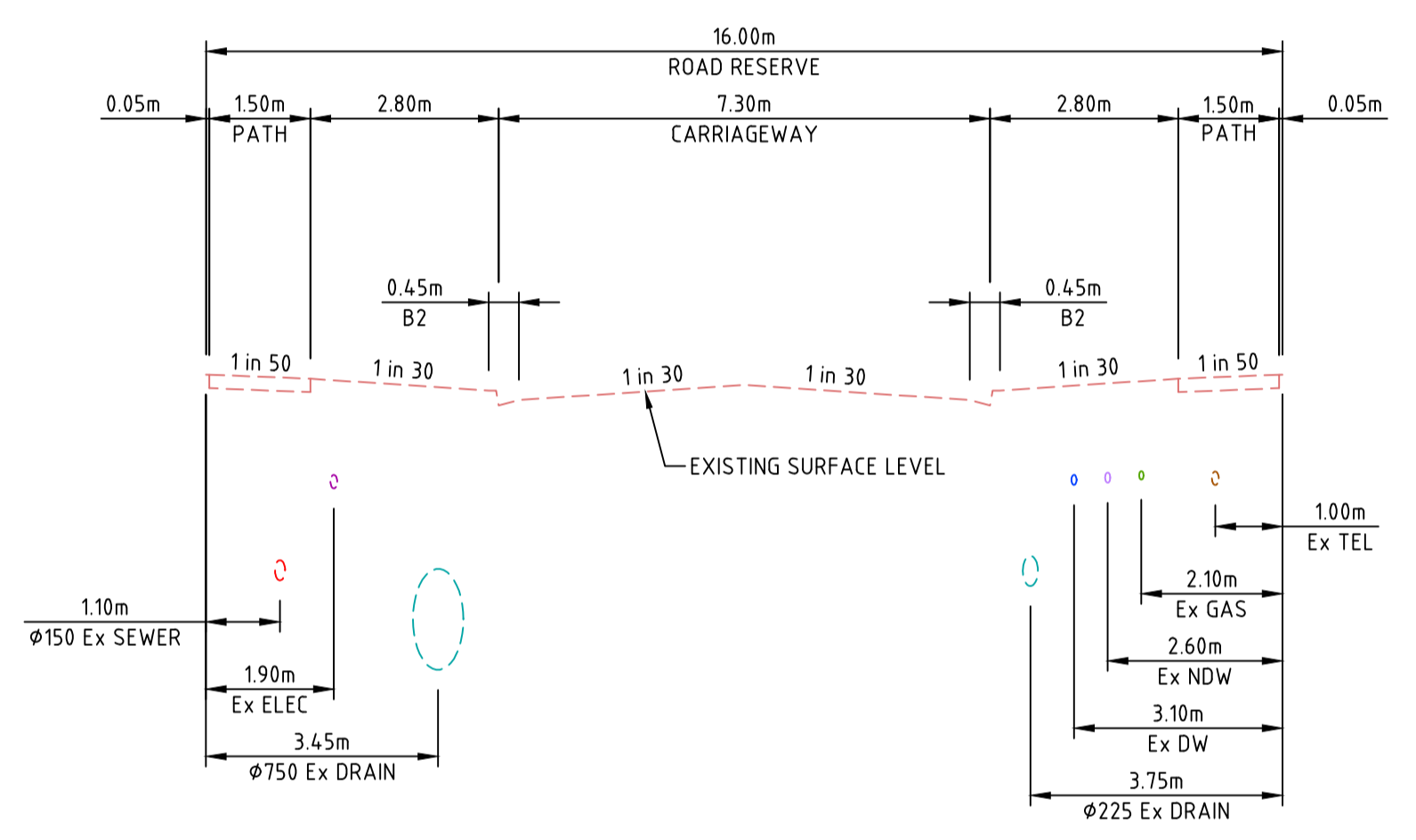
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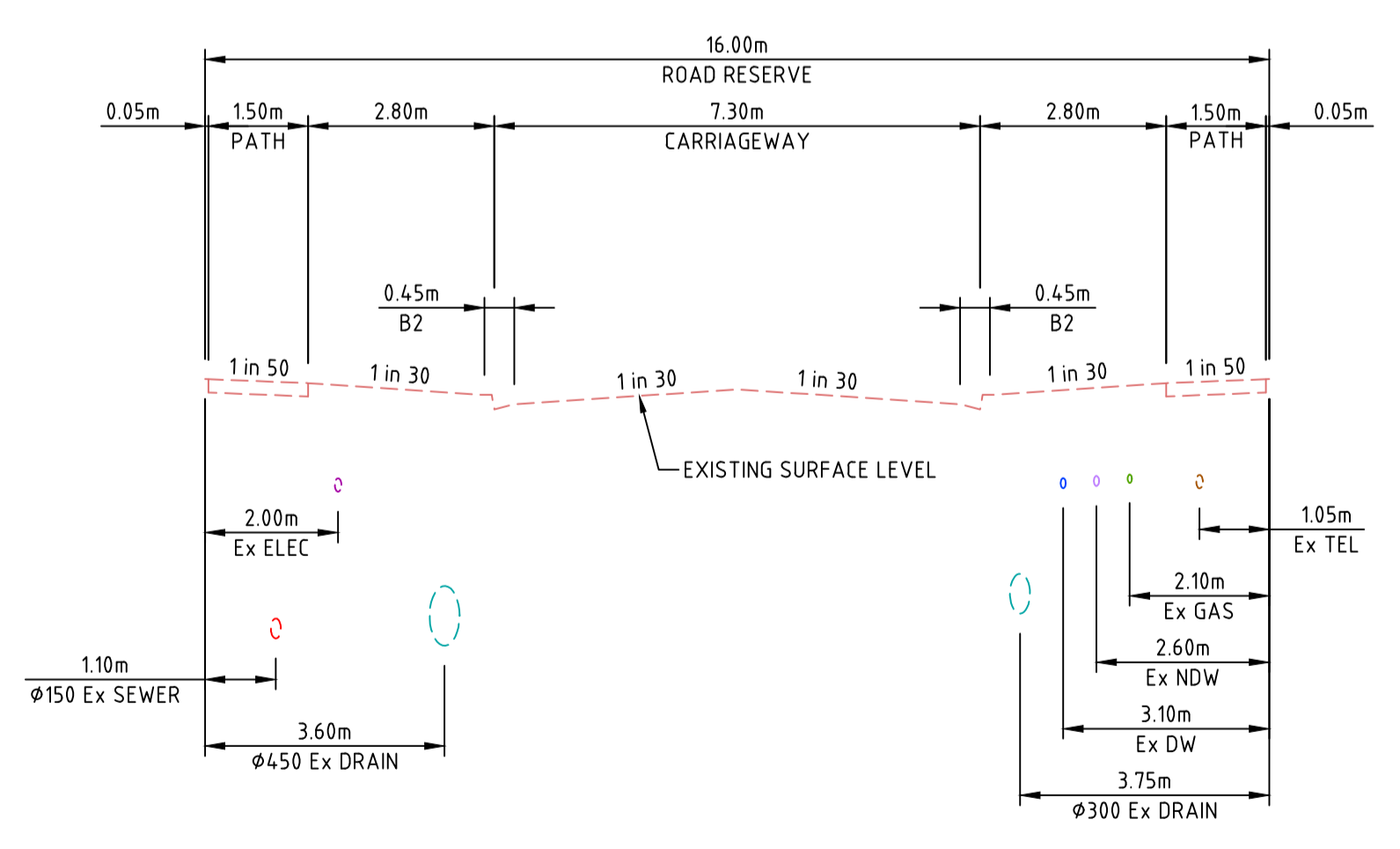
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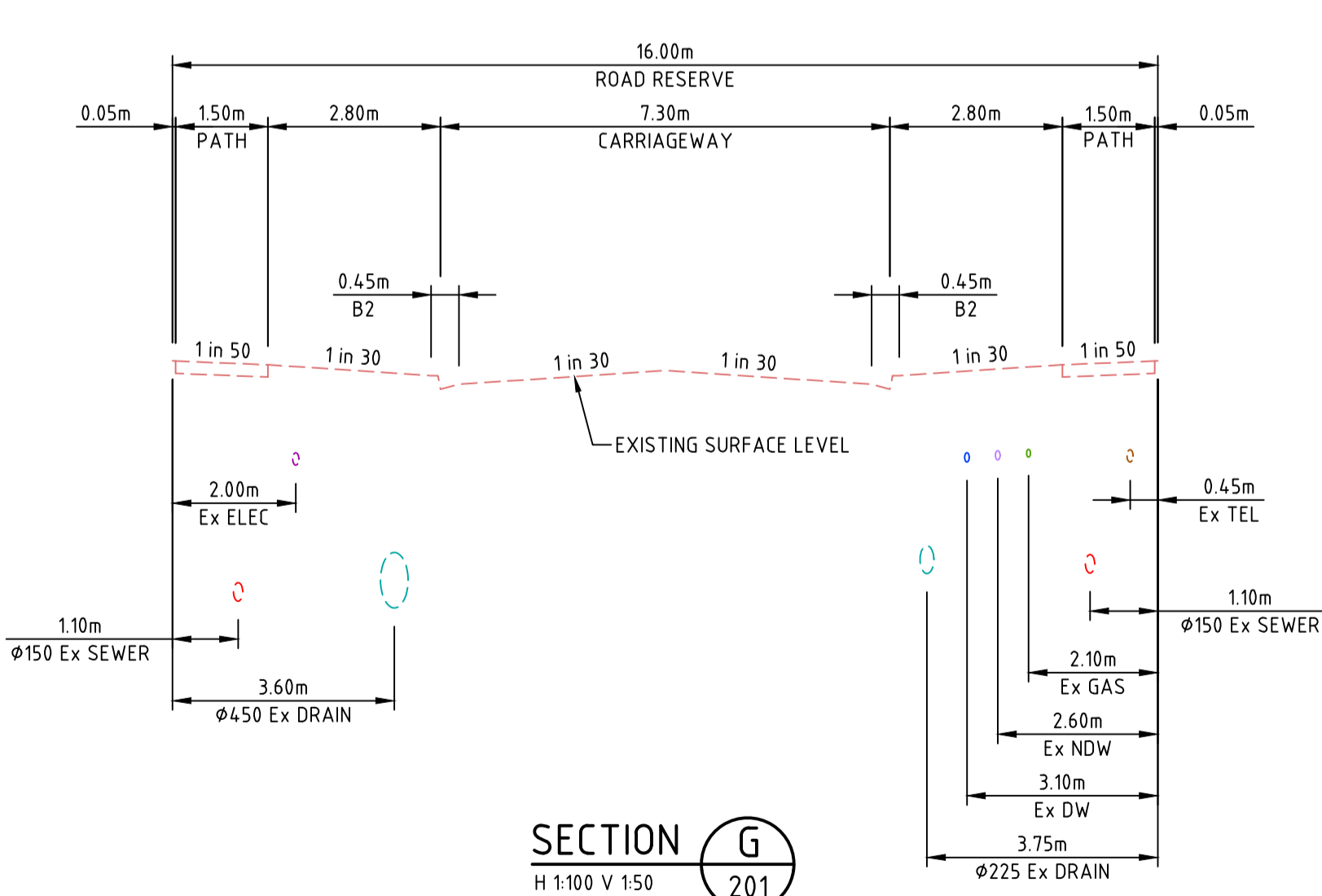
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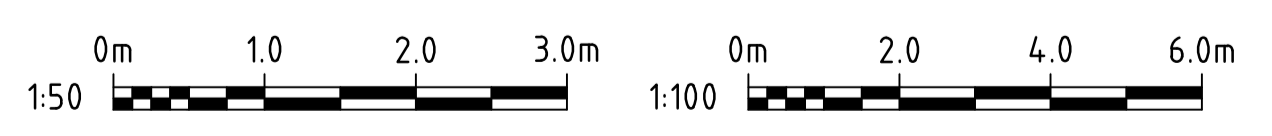
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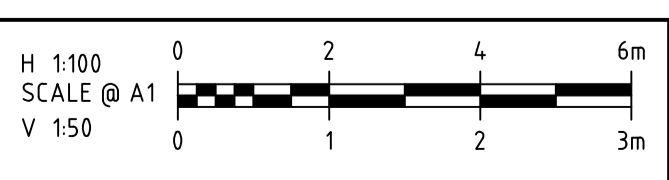
SECTION F
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SECTION G
H 1:100 V 1:50



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C	18.03.19	RG	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT



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T: (03) 8548 1560 E: melbourne@cosweb.com.au

CLIENT
PEET

APPROVED: *R. Todd*
DESIGNED: MA
SCALE: AS SHOWN

PROJECT
ASTON ESTATE

TITLE
ROAD & DRAINAGE
EXISTING ROADS TYPICAL CROSS SECTIONS

MUNICIPALITY
HUME CITY COUNCIL

PP No. P19872
DRAWING No. 3161-31-233
REVISION 0

ORIGINAL SIZE
A1

GENERAL NOTES:

- ALL LEVELS SHOWN ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.) AND ALL CO-ORDINATES ARE TO MAP GRID AUSTRALIA (MGA) ZONE 55.
- THE PLAN OF SUBDIVISION PREPARED BY VERIS WILL BE PEGGED BY THE SURVEYOR. FOR SPECIFIC LOT DIMENSIONS REFER TO PLAN OF SUBDIVISION NO. PS814798L VERSION E.
- ALL ROAD AND DRAINAGE WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH AS4000, THE ROAD & DRAINAGE SPECIFICATION, STANDARD DRAWINGS AND TO THE SATISFACTION OF COUNCIL.
- THE CONTRACTOR IS TO CHECK BENCH MARKS PRIOR TO THE COMMENCEMENT OF WORKS AND IMMEDIATELY REPORT ANY DISCREPANCIES. TBMs TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBMs THEREAFTER.
- FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED TO WITHIN 100mm OF REQUIRED LEVEL AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING UNDER LEVEL 1 SUPERVISION TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.11-1993. TESTING TO COMPLY WITH AS1289.0-2000.
- BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5M DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE CHIEF MINING INSPECTOR OCCUPATIONAL HEALTH & SAFETY AUTHORITY IN ACCORDANCE WITH THE WORK SAFE REGULATIONS - "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" CODE OF PRACTICE No.8 1988. A FOREMAN QUALIFIED AS A MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATIONS.
- THE CONTRACTOR SHALL COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND ASSOCIATED CODE OF PRACTICE.
- PRIOR TO WORKS BEING PLACED ON MAINTENANCE ALL AREAS OF THE SUBDIVISION EXPOSED BY DE-VEGETATION INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE HYDRO-SEEDED UNLESS OTHERWISE SPECIFIED.
- ALL CONCRETE TO BE 32MPa FOR PITS AND 25 MPa IN OTHER APPLICATIONS UNLESS SPECIFIED OTHERWISE. ALL CONCRETE OVER 125mm THICK TO BE VIBRATED USING MECHANICAL VIBRATORS.
- FOR CONCRETE ROAD PAVEMENTS, CONCRETE JOINTING DETAILS ARE TO BE PROVIDED IN ACCORDANCE WITH "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" (1997-CCAA)
- THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD TO A STANDARD ACCEPTABLE BY THE SUPERINTENDENT.
- ANY FENCES, DEBRIS AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER OR UNLESS OTHERWISE SPECIFIED. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- NO TOPSOIL IS TO BE REMOVED FROM SITE WITHOUT THE CONSENT OF THE SUPERINTENDENT
- FOR PAVEMENT RECOMMENDATIONS AND SOIL CONDITIONS REFER TO GEOTECH REPORT
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SITE GRADING AND DRAINAGE AND TO PROTECT AND MAINTAIN SUBGRADES IN A SUITABLE CONDITION IN ORDER TO ACHIEVE THE COMPACTIONS SPECIFIED. SHOULD SUBGRADES BECOME SATURATED ANY UNSUITABLE MATERIAL IS TO BE REMOVED AND MADE GOOD WITH TYPE B GENERAL FILL AT THE CONTRACTORS COST.
- IN NEW LANDSCAPE AREAS ALL REDUNDANT PAVEMENT MATERIAL SHALL BE REMOVED & REINSTATED WITH CLEAN FILL TO FINISHED SURFACE LEVEL. UNLESS NOTED OTHERWISE ON THE LANDSCAPE PLANS REINSTATEMENT OF A MINIMUM 150mm OF CLEAN TOPSOIL SHALL BE PROVIDED TO ALL NATURE STRIP AND RESERVE.
- ALL EXISTING TREES IN THE VICINITY OF THE TRAFFICABLE AREAS THAT ARE TO BE RETAINED SHALL BE PRUNED, ROOTS CUT AND SEALED WHERE THEY EXTEND BENEATH NEW WORKS, BY APPROPRIATELY QUALIFIED PERSONNEL. TREES TO BE REMOVED SHALL HAVE ALL ROOTS GRUBBED OUT AND BE MADE GOOD WITH COMPACTED FILL.
- PRIOR TO COMPLETION, THE CONTRACTOR SHALL ENSURE THE SITE OF WORKS IS TIDIED AND OBTAIN A CLEARANCE FROM THE SUPERINTENDENT
- CONDITION OF EXISTING PAVEMENT SURROUNDING THE DEVELOPMENT TO BE RECORDED. ANY DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES TO BE REPAIRED TO COUNCIL'S SATISFACTION

ROADWORKS:

- FOOTPATH EXPANSION JOINTS SHALL BE PLACED ON EITHER SIDE OF DRIVEWAY CROSSINGS. EACH JOINT IS TO BE DOWELED WITH 3x10mm DIAMETER DOWELS WHICH ARE TO HAVE A GREASED SLEEVE OVER ONE END TO PERMIT SLIP. JOINTS ARE TO BE FILLED WITH AN APPROVED COMPOSITE MATERIAL OR PLASTIC FILLER
- ALL LINE MARKING IS TO BE APPLIED USING LONG LIFE THERMOPLASTIC PAINT, IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 1742-1 AND AS 1742-2 AND COUNCIL REQUIREMENTS UNLESS OTHERWISE SPECIFIED. RRPM'S ARE TO BE INSTALLED IN ACCORDANCE WITH VICROADS AND/OR COUNCIL SPECIFICATIONS
- ALL TEMPORARY WARNING SIGNS DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS1742-3
- CONTRACTOR TO CONFIRM STREET NAME WITH COUNCIL/SUPERINTENDENT PRIOR TO MANUFACTURE OF STREET SIGNS.
- ANY WORKS WITHIN ROADWAYS SHALL SATISFY COUNCILS REQUIREMENTS FOR OCCUPANCY OF ROAD RESERVES
- WHERE PAVEMENT (INCLUDING FOOTPATHS AND VEHICLE CROSSINGS) IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL, AND CONSTRUCTED IN ACCORDANCE WITH AS1289.0-2000.
- WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
- WHEN WORKS ARE ON AN EXISTING ROAD THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ROAD OPENING PERMITS AND AUTHORITY APPROVALS PRIOR TO COMMENCING WORKS

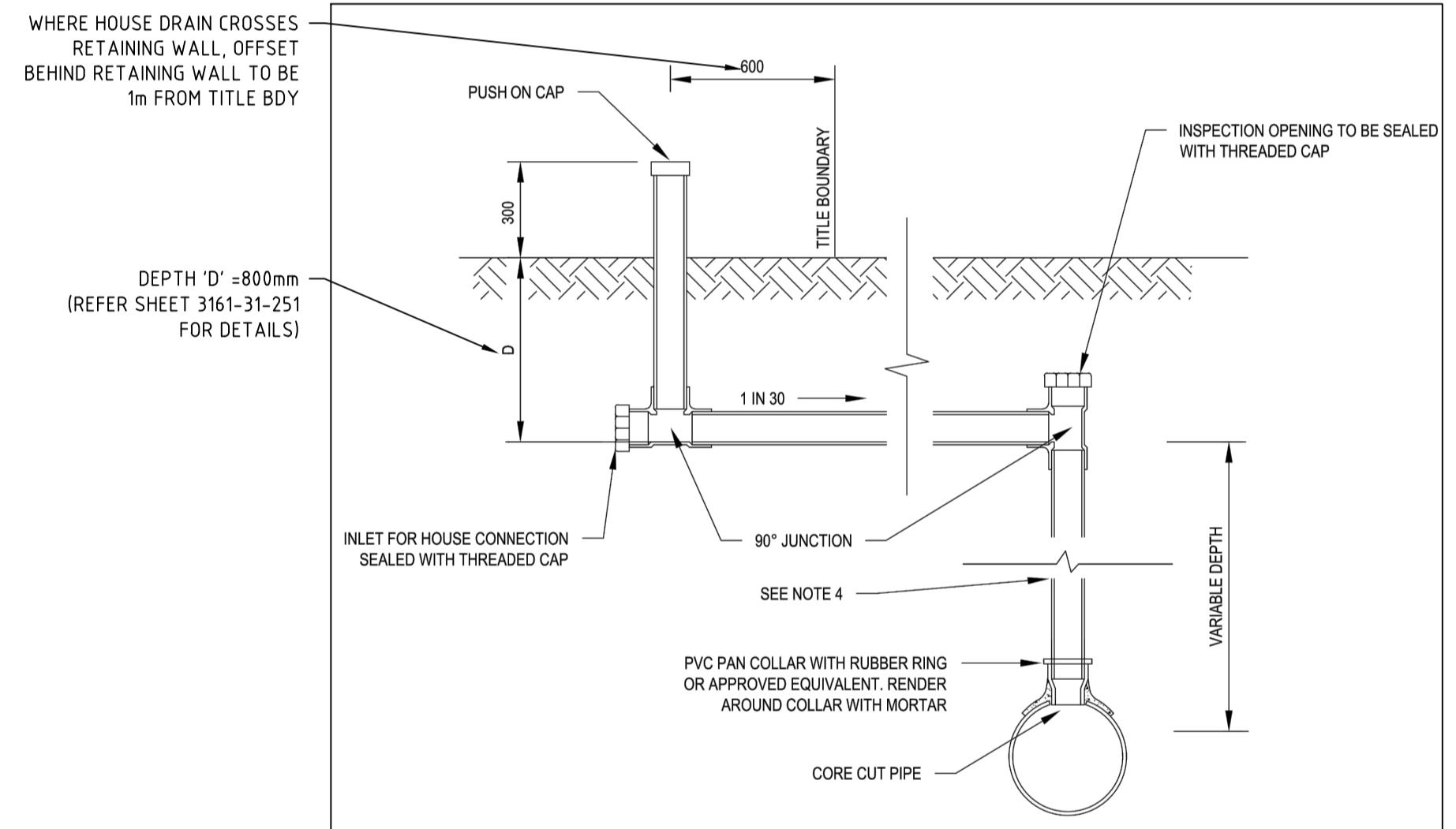
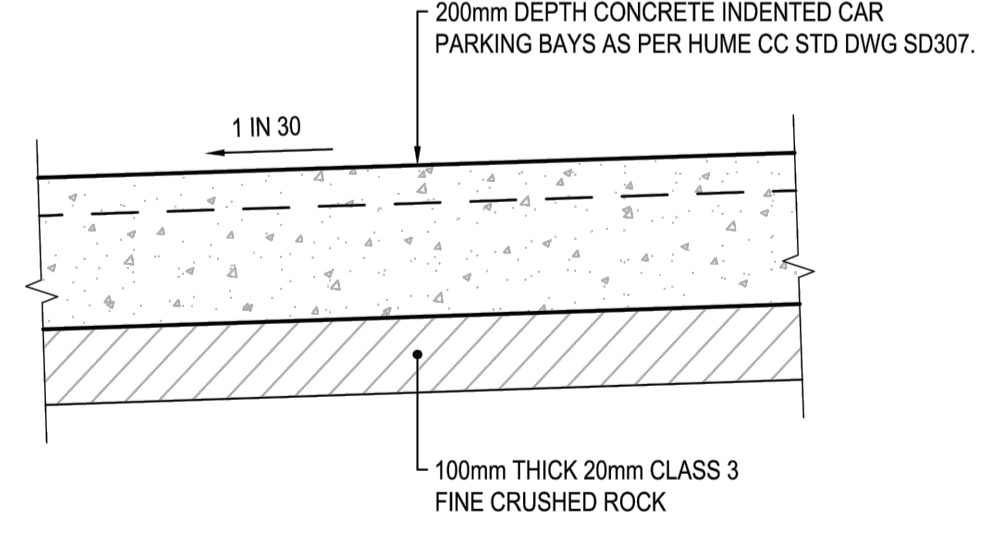
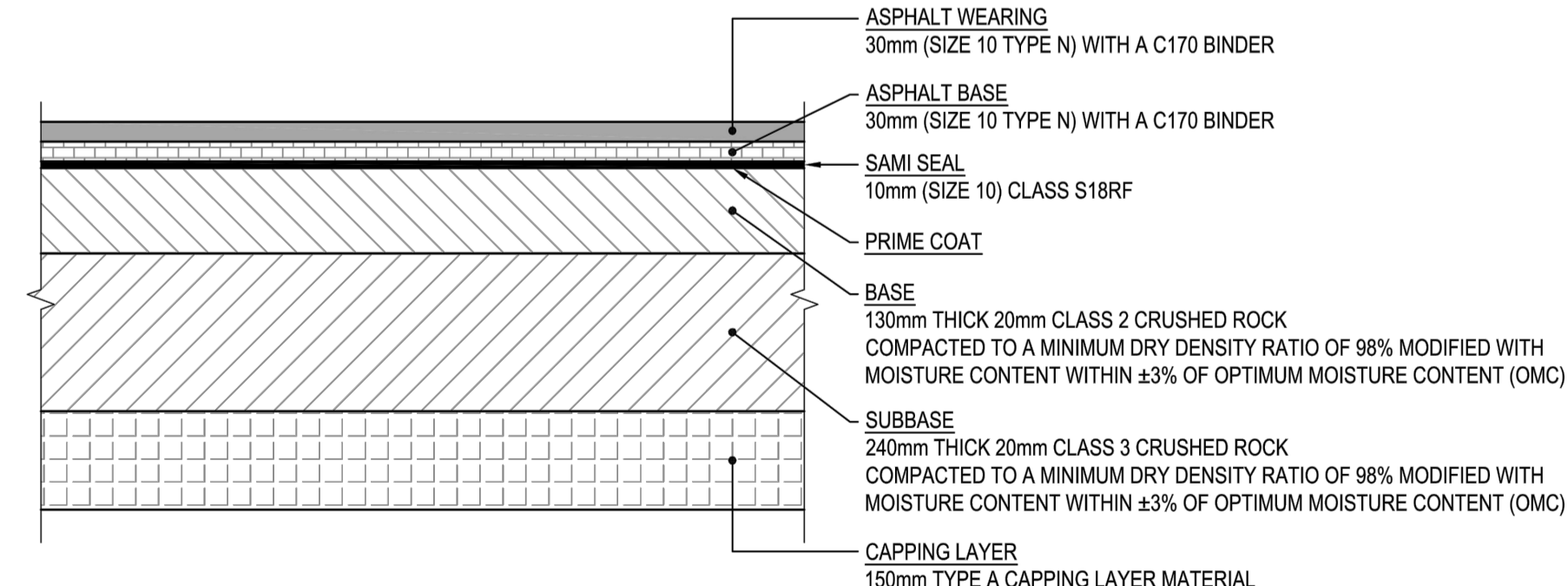
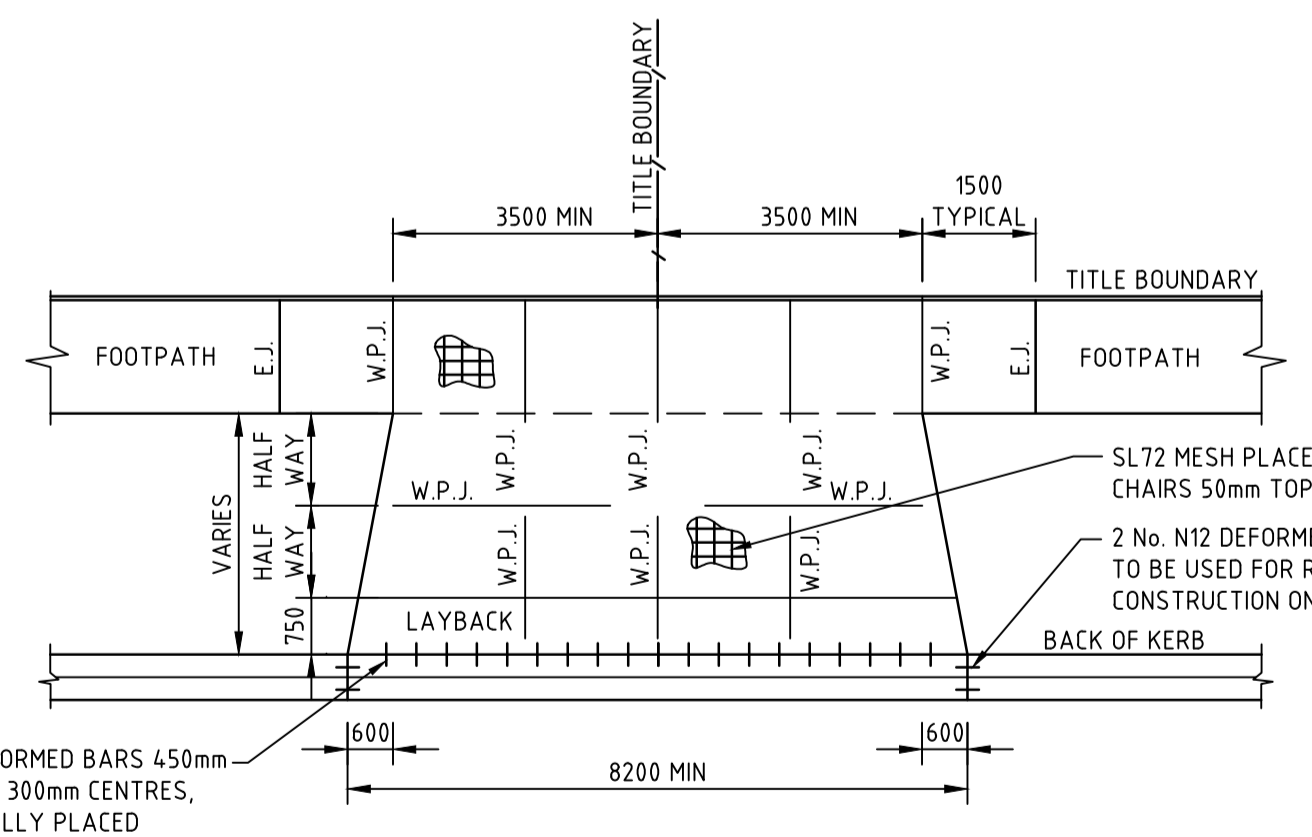
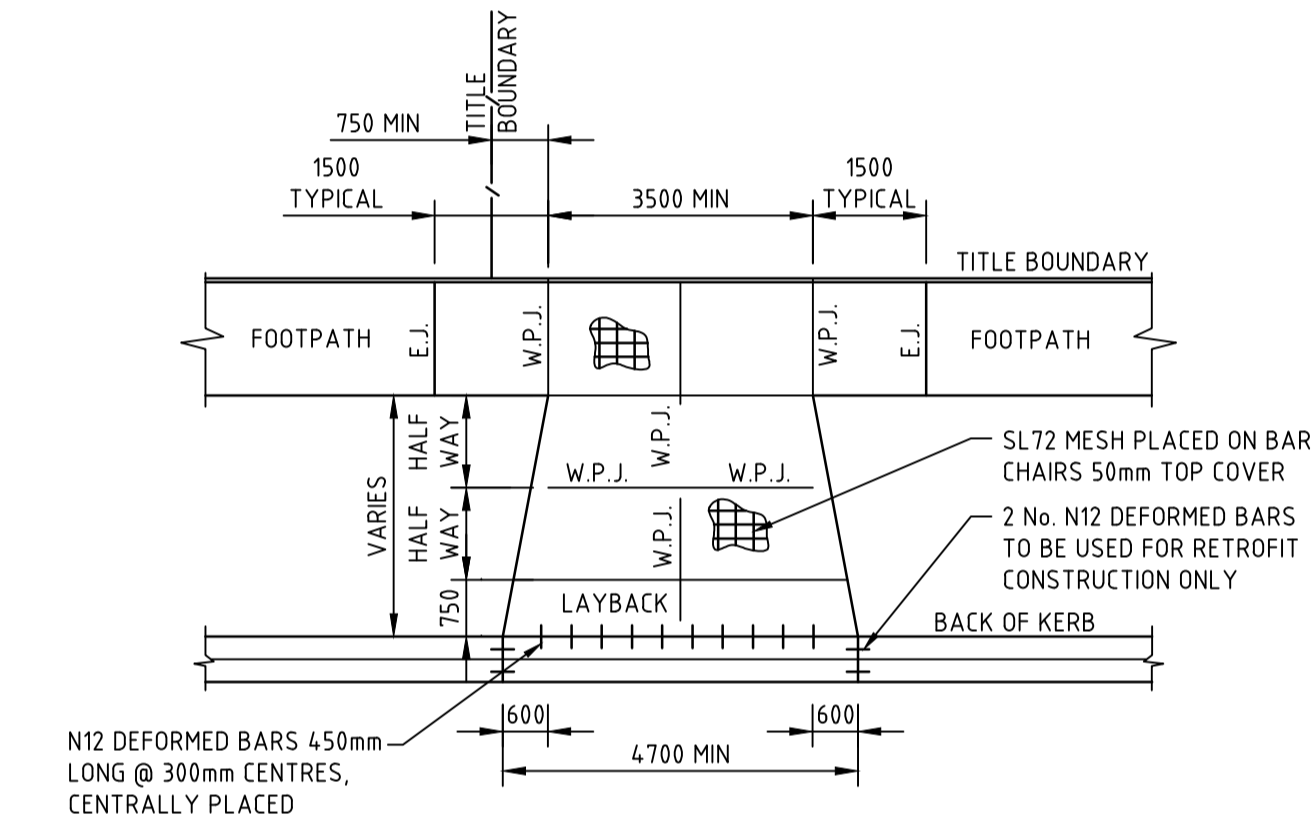
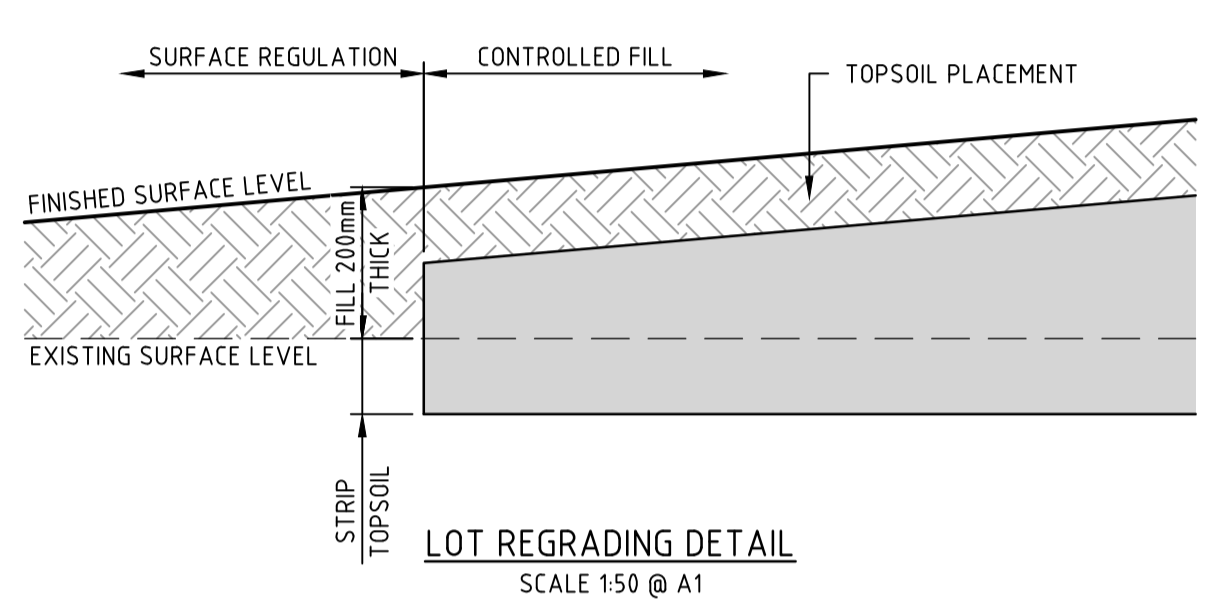
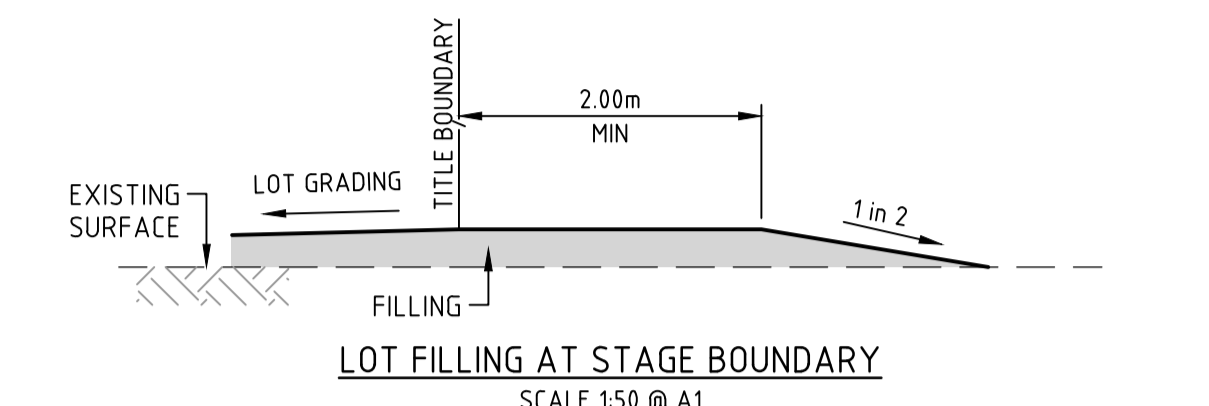
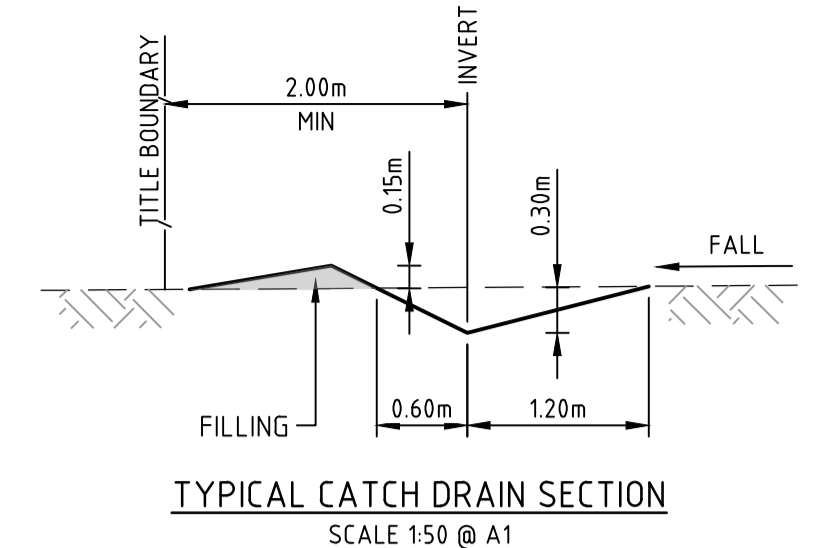
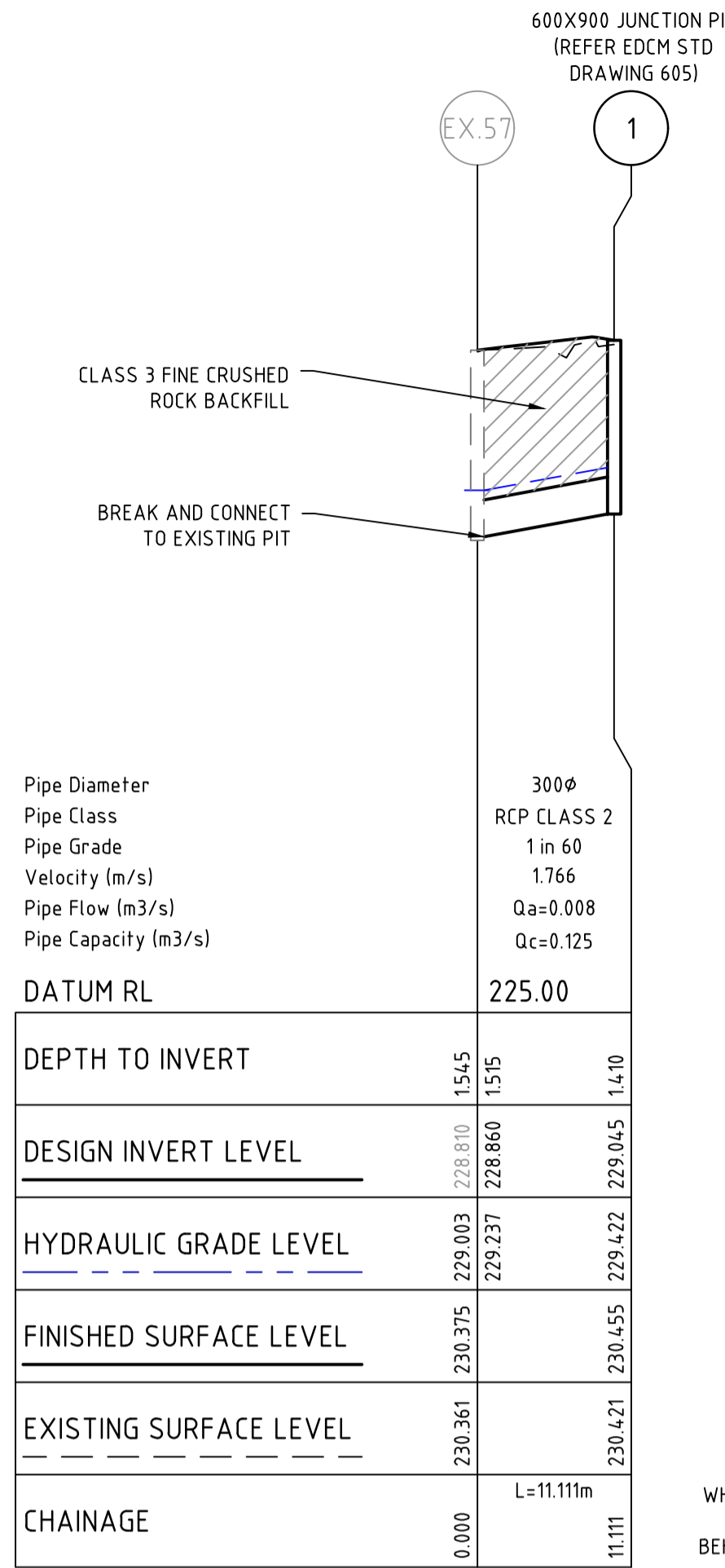
DRAINAGE:

- DRAINAGE PITS ARE TO BE SET OUT FROM OFFSETS AND CO-ORDINATES.
- ALL DRAINS WITHIN ROAD RESERVE SHALL BE BACKFILLED WITH 20mm FCR CLASS 3. DRAINS UNDER ROAD PAVEMENT TO BE BACKFILLED WITH 20mm FCR CLASS 2 AS SHOWN ON THE DRAWINGS. COMPACTION SHALL BE IN ACCORDANCE WITH SPECIFICATION.
- ALL DRAINS WITHIN ROAD RESERVE IS TO BE CLASS "2" AND DRAINS UNDER ROAD PAVEMENT IS TO BE CLASS "4". ALL PIPES ARE TO BE RUBBER RING JOINTED REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
- 100mm DIAMETER CORRUGATED AGRICULTURAL PIPE DRAINS (AG'S) ARE TO BE PLACED BEHIND ALL KERB AND CHANNELS, EDGE STRIPS AND OTHER LOCATIONS WHERE SHOWN AND/OR DIRECTED BY THE ENGINEER.
- 100mm DIA HOUSE DRAINS IN ROADS TO BE PLACED 6.5m FROM LOW CORNER OF ALLOTMENT UNLESS OTHERWISE SPECIFIED.
- PIPES LAID AT MINIMUM DEPTH ARE TO BE PROTECTED DURING CONSTRUCTION USING ADDITIONAL COVER OR A HIGHER CLASS PIPE IS TO BE INSTALLED.
- ANY DRAINAGE CONSTRUCTION ADJACENT TO SEWER RETICULATION EXCAVATION OCCURRING WITHIN THE ZONE OF INFLUENCE IS TO BE BACKFILLED WITH COMPACTED TO COUNCIL STANDARD DRAWING SD6-10

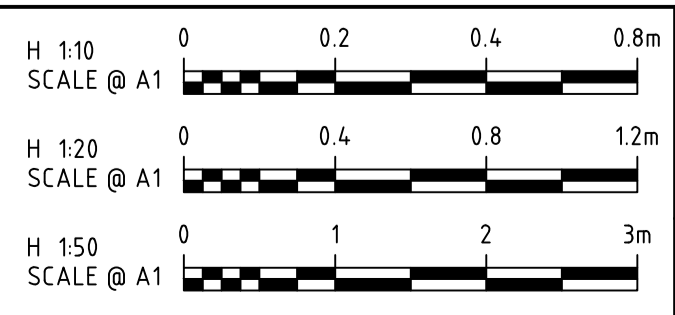
SERVICES:

- ALL GAS AND WATER CONDUITS ARE TO BE INSPECTED BY THE SUPERVISING ENGINEER PRIOR TO BACKFILLING CONDUITS TO EXTEND ON BOTH SIDES WHERE APPLICABLE TO 500mm BEYOND THE BUILDING LINE. ALL TRENCHES SHALL BE BACKFILLED WITH 20mm CLASS "2" FCR. GAS AND WATER CONDUITS ARE TO BE LOCATED MIDDLE OF BLOCK UNLESS OTHERWISE NOTED.
- ELECTRICAL AND NBN CONDUITS TO EXTEND 500mm BEYOND BOTH SIDES OF KERB.
- CONDUITS FOR GAS AND WATER SERVICES ON DRIVEWAY SIDE ARE TO BE POSITIONED TO 1.40m AND OPPOSITE TO DRIVEWAYS ARE TO BE POSITIONED TO 6.0m UNLESS OTHERWISE NOTED. CONDUITS ARE TO BE PLACED AT RIGHT ANGLES TO THE KERB AND SERVICE ALIGNMENT. TELSTRA, GAS AND WATER CONDUITS ARE TO BE 50mm DIA PVC PIPES, CLASS 12. CONDUITS UNDER FOOTPATHS TO BE REFERENCED ON BACK OF PATH.
- SERVICE TRENCHES NEAR FOOTPATH SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL.
- ALL EXCAVATION FOR SERVICES MUST BE CONTAINED WITHIN EASEMENTS OR ROAD RESERVES. ANY EXCAVATION OUTSIDE THESE LIMITS MUST BE BACKFILLED WITH CLASS 3 OR CLASS 2 FCR AT 95% MODIFIED COMPACTION UNLESS NOTED OTHERWISE.
- BACKFILL MATERIAL FOR CONDUITS UNDER ROADS SHALL BE CLASS 3 OR CLASS 2 FCR (20 MM NOMINAL SIZE) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL SERVICE TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH COMPACTED CLASS 3 OR CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND K&CH AND PARKING BAYS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- EXISTING SERVICE LOCATIONS SHOWN HAVE BEEN OBTAINED FROM DIAL BEFORE YOU DIG RECORDS AND/OR SITE PLANS. EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT. PRIOR TO THE COMMENCEMENT OF WORKS, THE CONTRACTOR IS TO LOCATE ALL EXISTING SERVICES IN THE VICINITY OF PROPOSED WORKS AND UNDERTAKE ANY ON SITE INSPECTION WITH SERVICE AUTHORITIES AS NECESSARY. ANY DAMAGE CAUSED TO SERVICE AUTHORITIES ASSETS WHETHER SHOWN ON CONSTRUCTION PLANS OR NOT IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXISTING PITS AND SERVICE FITTINGS THAT ARE TO REMAIN WITHIN THE PAVEMENT AREAS SHALL BE REBUILT TO MATCH PROPOSED LEVELS AND WHERE APPLICABLE FITTED WITHIN AN APPROPRIATE HEAVY DUTY, AUTHORITY APPROVED COVER. ELSEWHERE EXISTING SERVICES SHALL BE ADJUSTED TO SUIT NEW ADJACENT LEVELS. THE RELEVANT AUTHORITY IS TO BE NOTIFIED PRIOR TO ANY WORKS ON THEIR ASSETS AND SERVICES ARE TO BE ADJUSTED TO THE RELEVANT AUTHORITY REQUIREMENTS.

PIT SCHEDULE			
PIT NO	STAGE NO	TYPE	REMARKS
1	31	JP	PROVIDE HEAVY DUTY PIT COVER
2	26	Ex. SEP	PROVIDE HEAVY DUTY PIT COVER
4	26	Ex. JP	PROVIDE HEAVY DUTY PIT COVER
1	27	Ex. JP	PROVIDE HEAVY DUTY PIT COVER
4	27	Ex. SEP	PROVIDE HEAVY DUTY PIT COVER
59	27	Ex. JP	PROVIDE HEAVY DUTY PIT COVER
2	28	Ex. JP	PROVIDE HEAVY DUTY GATIC LID
3	28	Ex. SEP	PROVIDE HEAVY DUTY GATIC LID
3	30	Ex. SEP	PROVIDE HEAVY DUTY PIT COVER



REV	DATE	DRN	CKD	APP	AMENDMENT
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	MA	BJM	R. TODD	ISSUED FOR APPROVAL



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Cossill & Webley
CONSULTING ENGINEERS

Mailing Address
PO Box 33152
Melbourne VIC 3004

Street Address
Suite 2.04, 390 St Kilda Road
Melbourne VIC 3004

T (03) 8548 1560
E melbourne@cossweb.com.au

CLIENT
PEET

APPROVED
R. Todd

DESIGNED
MA

SCALE
AS SHOWN

PROJECT
ASTON ESTATE

TITLE
ROAD & DRAINAGE STANDARD DETAILS

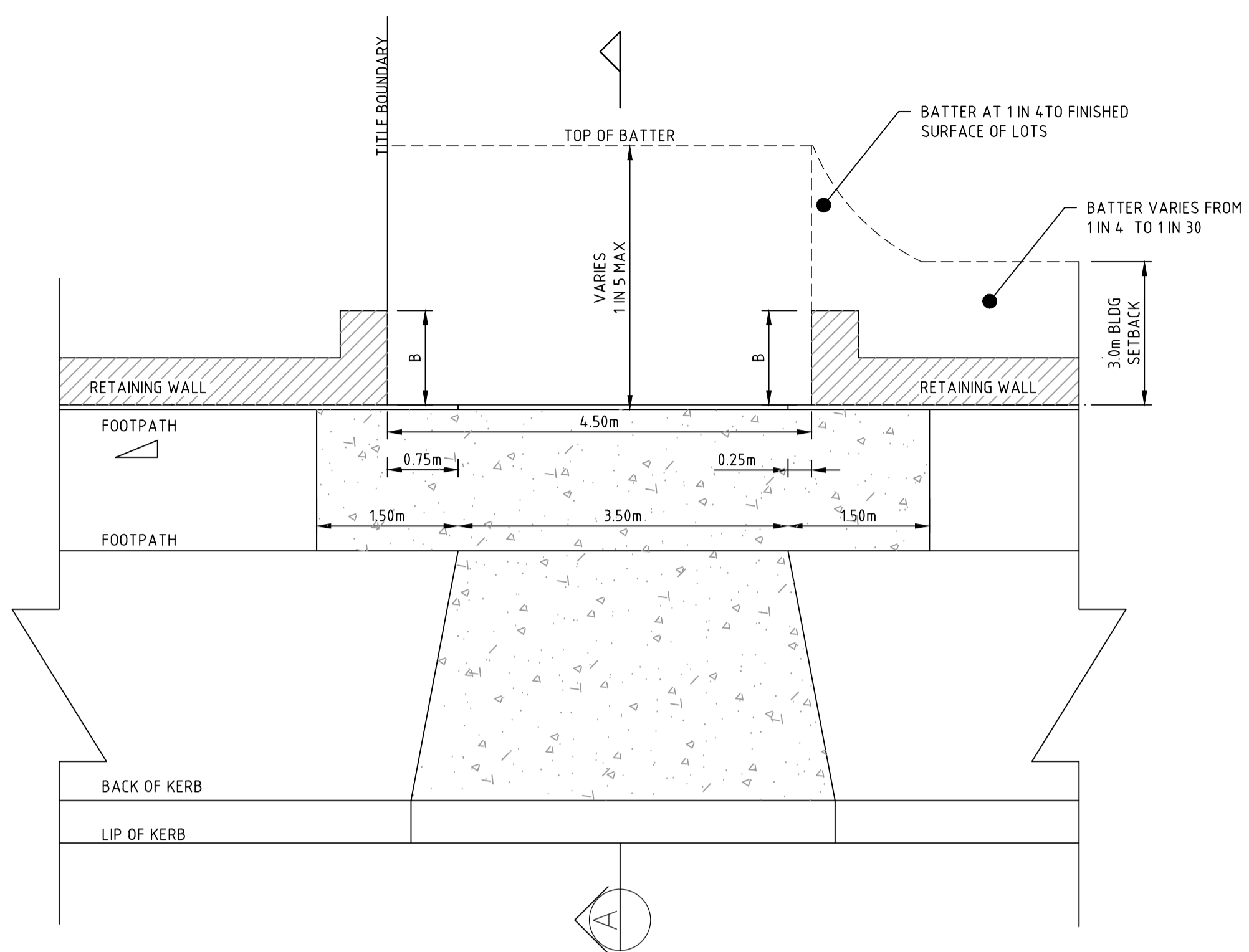
MUNICIPALITY
HUME CITY COUNCIL

PP No.
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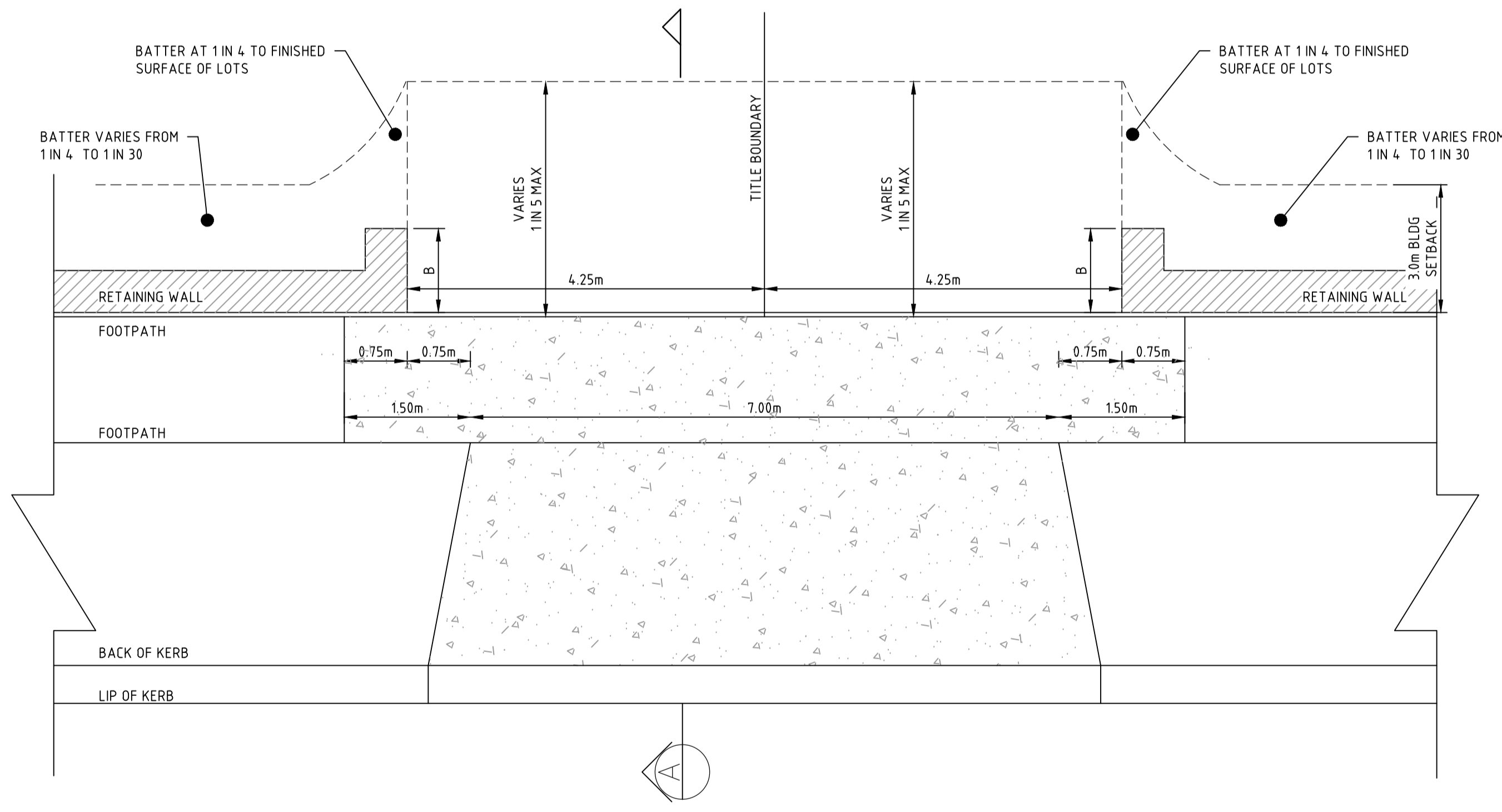
DRAWING No.
3161-31-250

REVISION
0

ORIGINAL SIZE
A1



RETAINING WALL RETURN TREATMENT
SINGLE DRIVEWAY
SCALE: 1:50

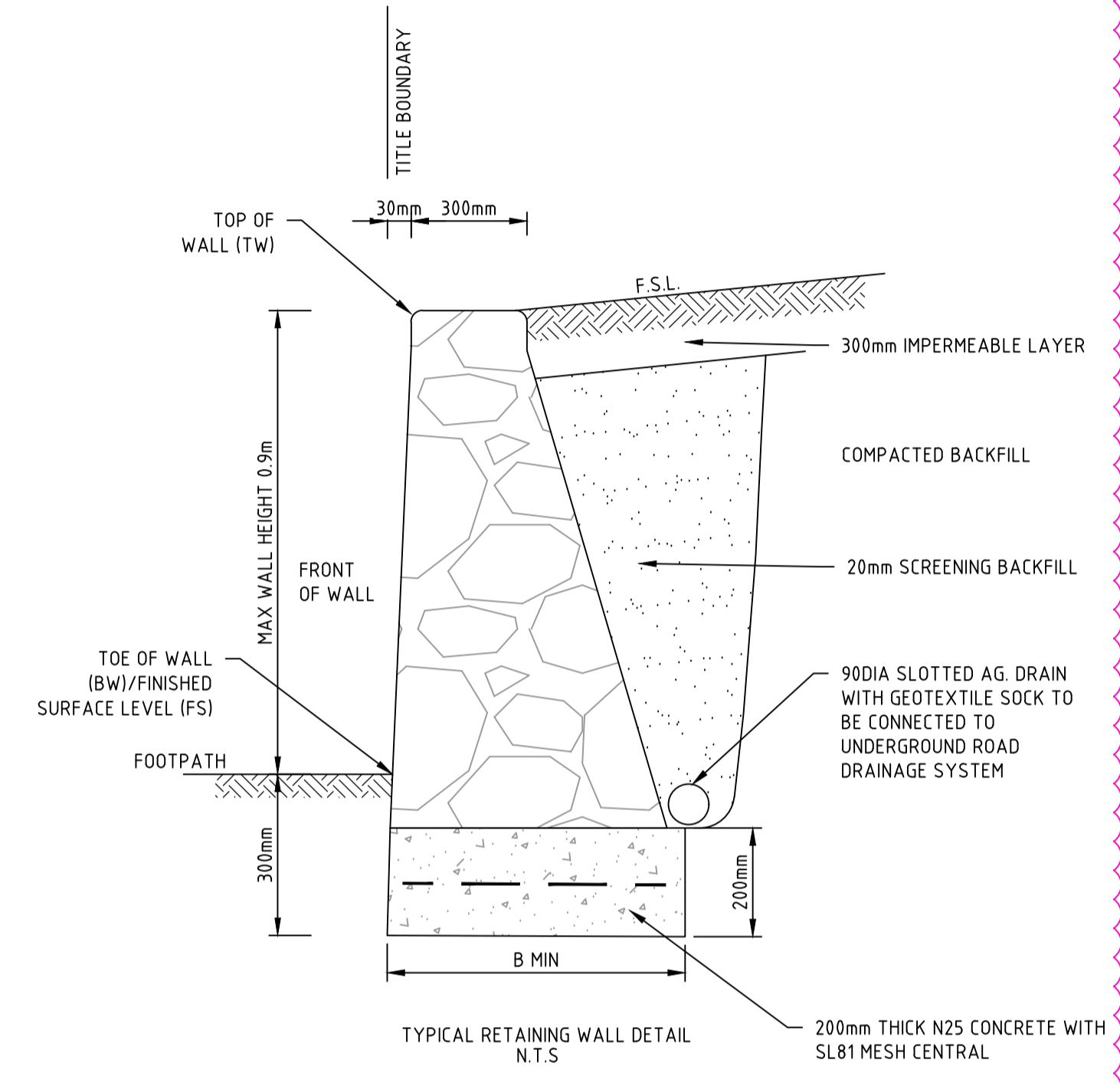


RETAINING WALL RETURN TREATMENT
DOUBLE DRIVEWAY
SCALE: 1:50

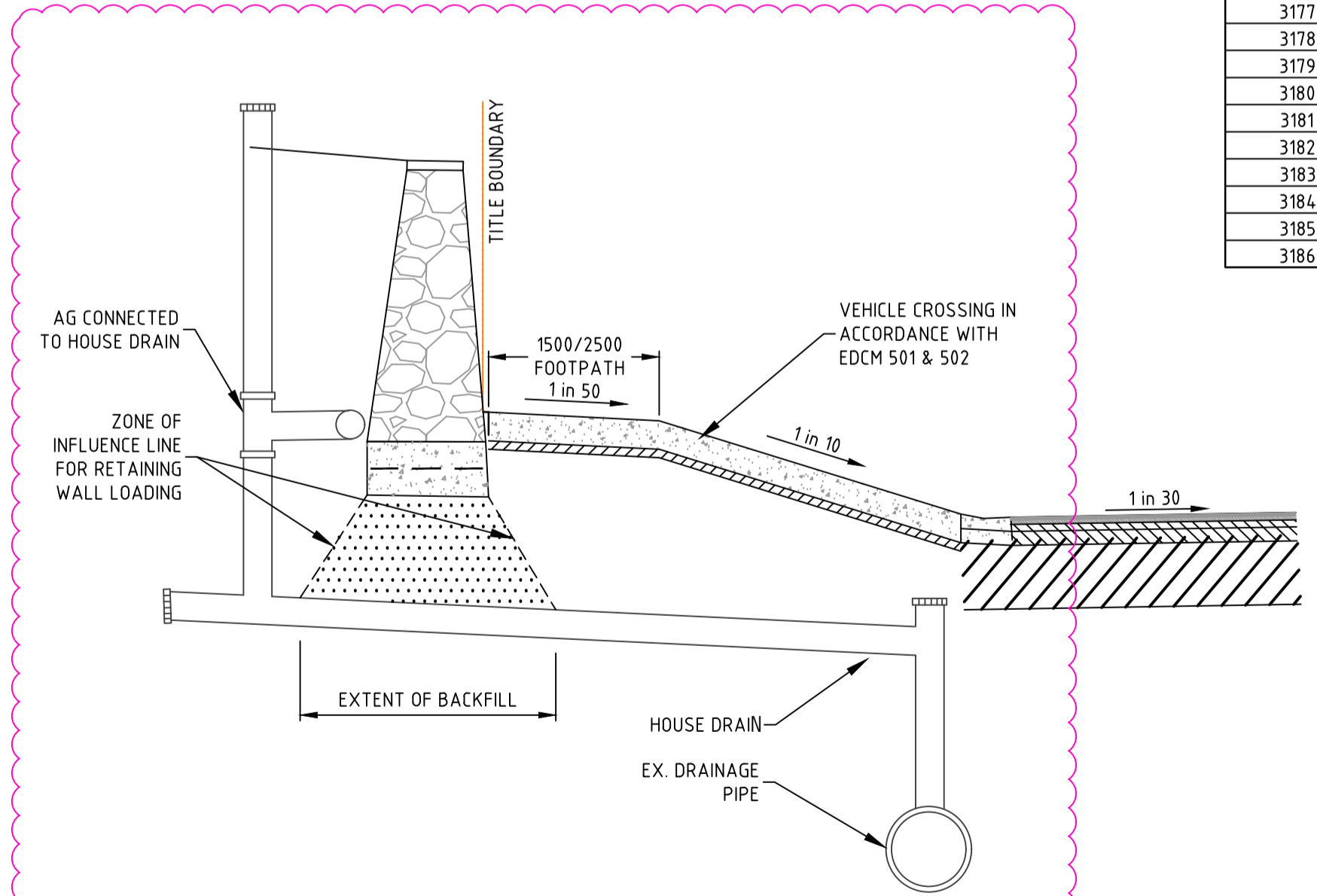
RETAINING WALL DIMENSIONS

MAX WALL HEIGHT	BASE WIDTH 'B'
300	330
600	400
750	500
900	600

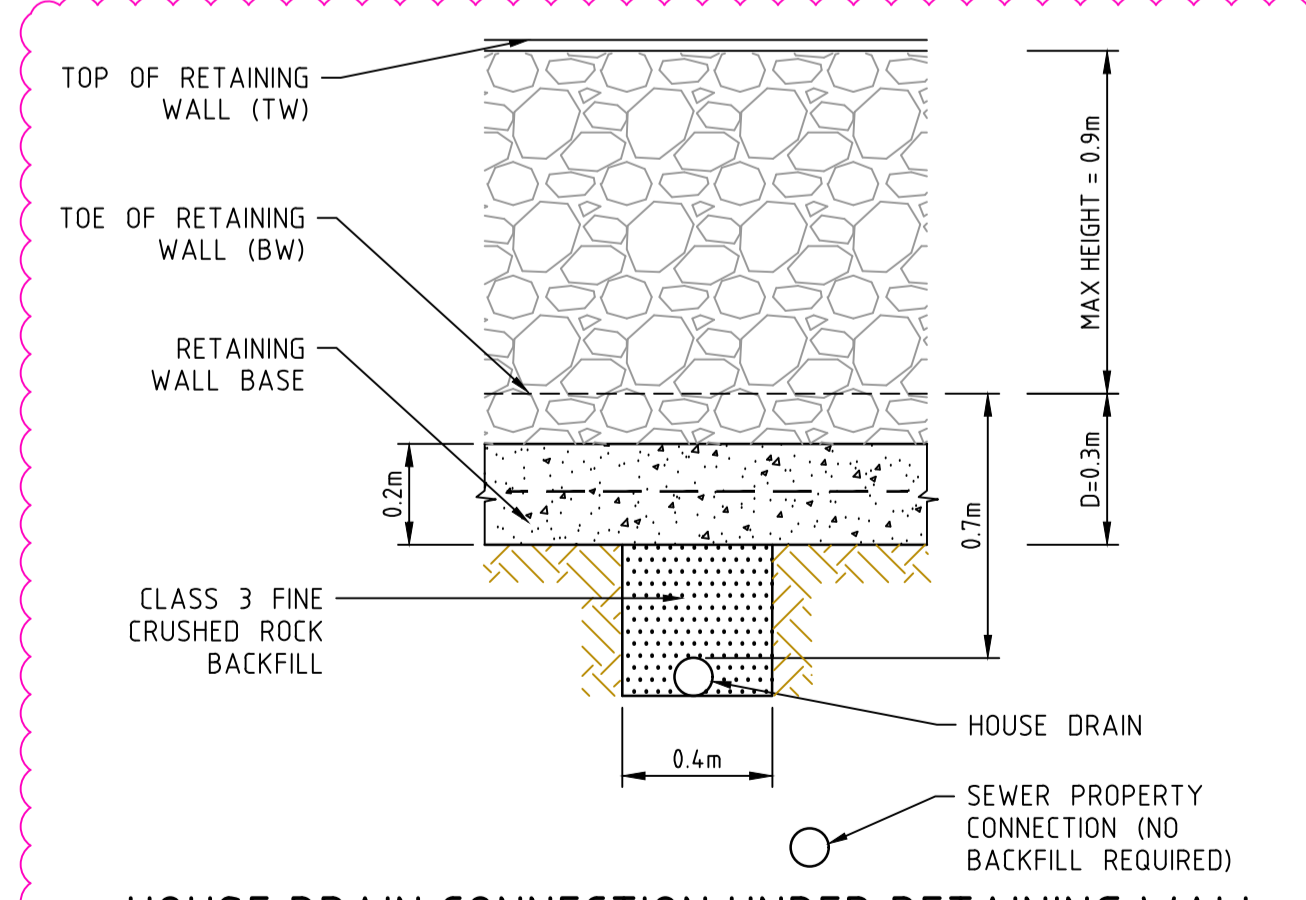
- RETAINING WALL NOTES:**
- IN SITU SOIL SHALL HAVE A MINIMUM DESIGN INTERNAL FRICTION ANGLE OF 25 DEG AND DESIGN DRAINED COHESION OF 10kPa. Lk & Ok = 0mm IF FOUNDED IN ROCK
 - DESIGN SURCHARGE LIVE LOAD BEHIND RETAINING WALLS = 25KPa
 - THESE WALLS HAVE NOT BEEN DESIGNED FOR VEHICLE OR HOUSE LOADING WITHIN THE LINE OF INFLUENCE OF THE WALL (HIGH SIDE)



TYPICAL GROUDED ROCK RETAINING WALL SECTION
N.T.S.



HOUSE DRAIN CONNECTION UNDER RETAINING WALL
NOT TO SCALE



HOUSE DRAIN CONNECTION UNDER RETAINING WALL
NOT TO SCALE

LOT NO	TOE OF WALL LEVEL (BW) FRONT OF LOTS		TOP OF WALL LEVEL (TW) FRONT OF LOTS		WALL HEIGHT AT FRONT OF LOT	RETURN LENGTH (B)
3101	231.430	230.970	231.730	231.570	0.60	1.5
3102	230.850	230.750	231.600	231.500	0.75	2.3
3103	230.790	230.770	231.540	231.520	0.75	2.3
3104	230.770	230.740	231.520	231.490	0.75	2.3
3105	230.760	230.790	231.510	231.540	0.75	2.3
3106	230.790	230.800	231.540	231.550	0.75	2.3
3107	230.820	230.840	231.570	231.590	0.75	2.3
3108	230.840	230.870	231.590	231.620	0.75	2.3
3109	230.890	230.910	231.640	231.660	0.75	2.3
3110	230.920	230.940	231.670	231.690	0.75	2.3
3111	230.950	230.970	231.700	231.720	0.75	2.3
3112	230.980	230.960	231.880	231.860	0.90	3.0
3113	230.960	230.960	231.860	231.860	0.90	3.0
3114	230.970	231.000	231.870	231.900	0.90	3.0
3115	231.000	231.010	231.900	231.910	0.90	3.0
3116	231.030	231.050	231.930	231.950	0.90	3.0
3117	231.060	231.080	231.960	231.980	0.90	3.0
3118	231.080	231.100	231.980	232.000	0.90	3.0
3119	231.110	231.160	232.010	232.040	0.90	3.0
3120	231.140	231.125	232.040	232.025	0.90	3.0
3121	231.210	231.270	232.110	232.170	0.90	3.0
3122	231.270	231.330	232.170	232.080	0.75	2.3
3123	231.370	231.300	232.120	232.050	0.75	2.3
3124	231.280	231.320	232.030	232.070	0.75	2.3
3125	231.320	231.360	232.220	232.110	0.75	2.3
3126	231.400	231.430	232.150	232.180	0.75	2.3
3127	231.430	231.490	232.180	232.240	0.75	2.3
3128	231.600	231.600	232.350	232.350	0.75	2.3
3129	231.580	231.440	232.330	232.290	0.75	2.3
3130	231.440	231.320	232.290	232.220	0.90	3.0
3131	231.290	231.350	232.190	232.250	0.90	3.0
3137	231.240	231.270	232.140	232.170	0.90	3.0
3138	231.350	231.350	232.250	232.320	0.90	3.0
3139	231.350	231.360	232.250	232.260	0.90	3.0
3140	231.320	231.230	232.220	232.130	0.90	3.0
3141	231.230	231.270	232.120	232.170	0.90	3.0
3142	231.300	231.360	232.200	232.260	0.90	3.0
3143	231.360	231.400	232.260	232.300	0.90	3.0
3144	231.430	231.580	232.330	232.480	0.90	3.0
3145	231.610	231.500	232.560	232.396	0.90	3.0
3146	231.500	231.500	232.400	232.370	0.90	3.0
3147	231.370	231.390	232.270	232.290	0.90	3.0
3148	231.390	231.420	232.290	232.320	0.90	3.0
3149	231.460	231.500	232.360	232.400	0.90	3.0
3150	231.500	231.540	232.440	232.440	0.90	3.0
3151	231.570	231.600	232.470	232.500	0.90	3.0
3152	231.600	231.650	232.500	232.550	0.90	3.0
3153	231.680	231.720	232.580	232.620	0.90	3.0
3158	232.100	232.170	232.620	232.920	0.75	2.3
3159	232.170	232.260	232.920	233.010	0.75	2.3
3160	232.330	232.400	232.080	233.150	0.75	2.3
3161	232.440	232.470	233.150	233.070	0.60	1.5
3162	232.550	232.630	233.150	233.230	0.60	1.5
3163	232.630	232.690	233.230	233.440	0.75	2.3
3164	232.730	232.850	233.480	233.600	0.75	2.3
3165	232.850	232.950	233.600	233.550	0.60	1.5
3166	233.030	233.130	233.630	233.730	0.60	1.5
3167	233.170	233.170	233.770	233.840	0.60	1.5
3168	233.240	233.320	233.840	233.920	0.60	1.5
3169	233.390	233.480	233.990	234.080	0.60	1.5
3170	233.520	233.610	234.270	234.360	0.75	2.3
3171	233.610	233.710	234.360	234.310	0.60	1.5
3172	233.790	233.890	234.390	234.490	0.60	1.5
3173	233.890	233.960	234.490	234.560	0.60	1.5
3174	234.030	234.080	234.630	234.680	0.60	1.5
3175	234.080	234.120	234.680	234.720	0.60	1.5
3176	234.150	234.200	234.750	234.800	0.60	1.5
3177	234.200	234.250	234.800	234.850	0.60	1.5
3178	234.270	234.320	234.870	234.920	0.60	1.5
3179	234.350	234.390	234.950	234.990	0.60	1.5
3180	234.390	234.420	234.990	235.020	0.60	1.5
3181	234.460	234.500	235.060	235.100	0.60	1.5
3182	234.500	234.560	235.100	235.160	0.60	1.5
3183	234.590	234.630	235.190	235.230	0.60	1.5
3184	234.630	234.680	235.230	235.280	0.60	1.5
3185	234.710	234.750	235.310	235.350	0.60	1.5
3186	234.750	234.820	235.350	235.420	0.60	1.5

REV	DATE	DRN	CKD	APP	AMENDMENT
1	01.07.19	MA	BJM	R. TODD	RETAINING WALL DETAILS AMENDED
0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION, FENCE CONDUIT REMOVED
C	18.03.19	MA	BJM	R. TODD	RE-ISSUED TO COUNCIL AS PER COUNCIL COMMENTS
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	RG	BJM	R. TODD	ISSUED FOR APPROVAL

AS SHOWN

COSWILL & WEBLEY CONSULTING ENGINEERS

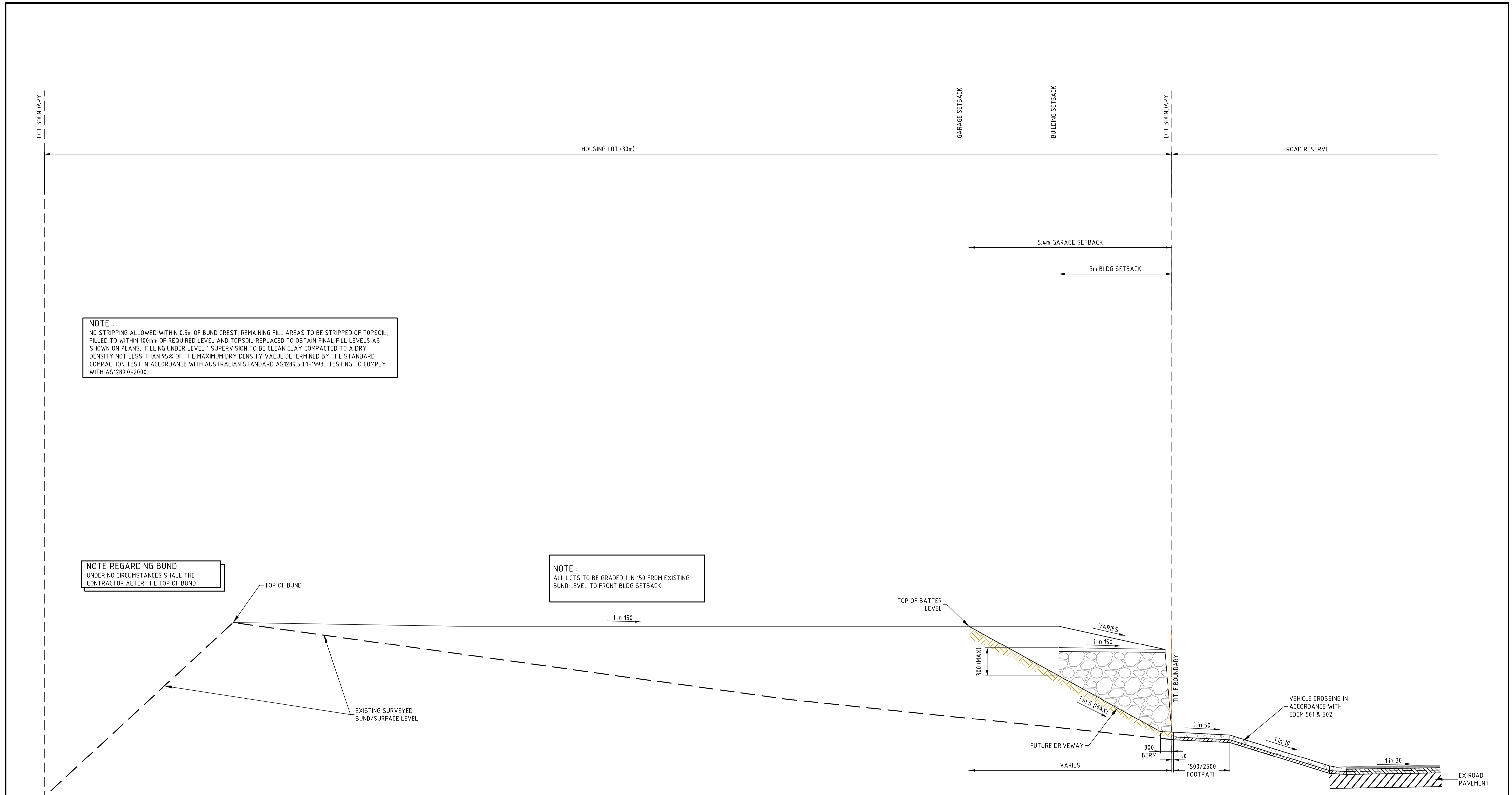
Mailing Address: PO Box 33152, Melbourne VIC 3004
 Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
 T (03) 8548 1560 E melbourne@cosweb.com.au

PEET

CLIENT: RAY TODD
 DESIGNED: MA
 SCALE: AS SHOWN

PROJECT: ASTON ESTATE
 TITLE: ROAD & DRAINAGE STANDARD DETAILS
 MUNICIPALITY: HUME CITY COUNCIL
 PP No: P19872
 DRAWING No: 3161-31-251
 REVISION: 1

ORIGINAL SIZE A1



NOTE :
 NO STRIPPING ALLOWED WITHIN 0.5m OF BUND CREST, REMAINING FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED TO WITHIN 100mm OF REQUIRED LEVEL AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING UNDER LEVEL 1 SUPERVISION TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289 5.1.1-1993. TESTING TO COMPLY WITH AS1289.0-2000.

NOTE REGARDING BUND:
 UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALTER THE TOP OF BUND

NOTE :
 ALL LOTS TO BE GRADED 1 IN 150 FROM EXISTING BUND LEVEL TO FRONT BLDG SETBACK

SECTION A
 N.T.S

GROUTED ROCK RETAINING WALL & DRIVEWAY TREATMENT

0	24.05.19	RG	BJM	R. TODD	ISSUED FOR CONSTRUCTION
C	26.03.19	RG	BJM	R. TODD	NOTES ADDED
B	25.02.19	MA	BJM	R. TODD	ISSUED FOR TENDER
A	22.02.19	RG	BJM	R. TODD	ISSUED FOR APPROVAL
REV	DATE	DRN	CKD	APP	AMENDMENT

AS SHOWN

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Cossill & Webley
 CONSULTING ENGINEERS
 Mailing Address: PO Box 33152, Melbourne VIC 3004
 Street Address: Suite 2.04, 390 St Kilda Road, Melbourne VIC 3004
 T (03) 8548 1560 E melbourne@cosweb.com.au

CLIENT
PEET
APPROVED
R. Todd
DESIGNED
 MA
SCALE
 AS SHOWN

PROJECT
 ASTON ESTATE
TITLE
 ROAD & DRAINAGE STANDARD DETAILS
MUNICIPALITY
 HUME CITY COUNCIL
PP No.
 P19872
DRAWING No.
 3161-31-252
REVISION
 0

ORIGINAL SIZE
 A1