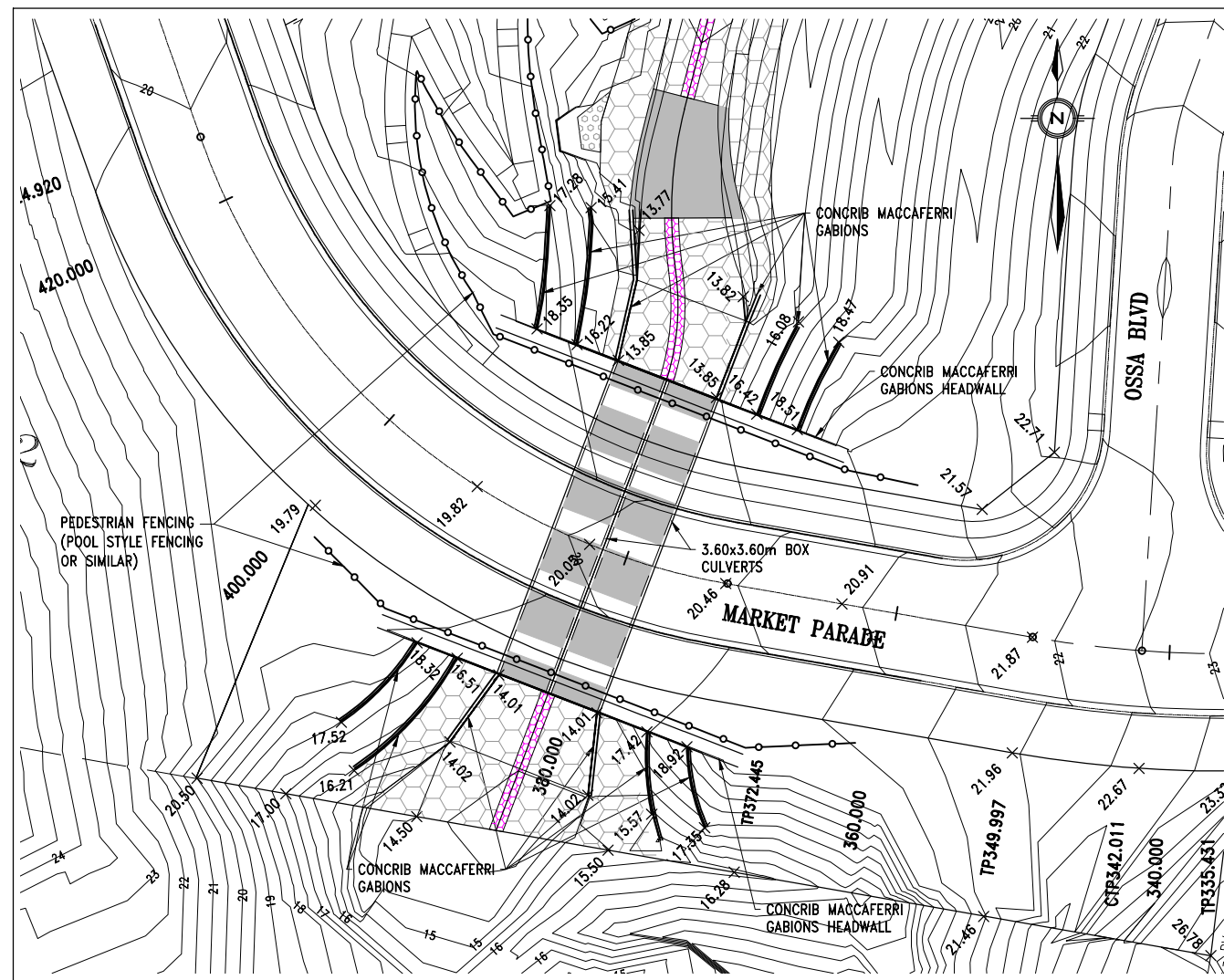
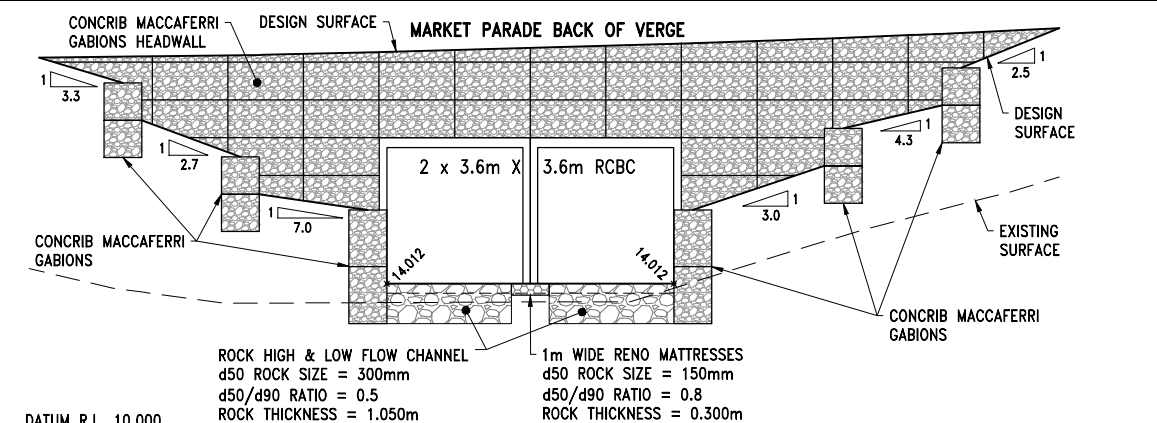
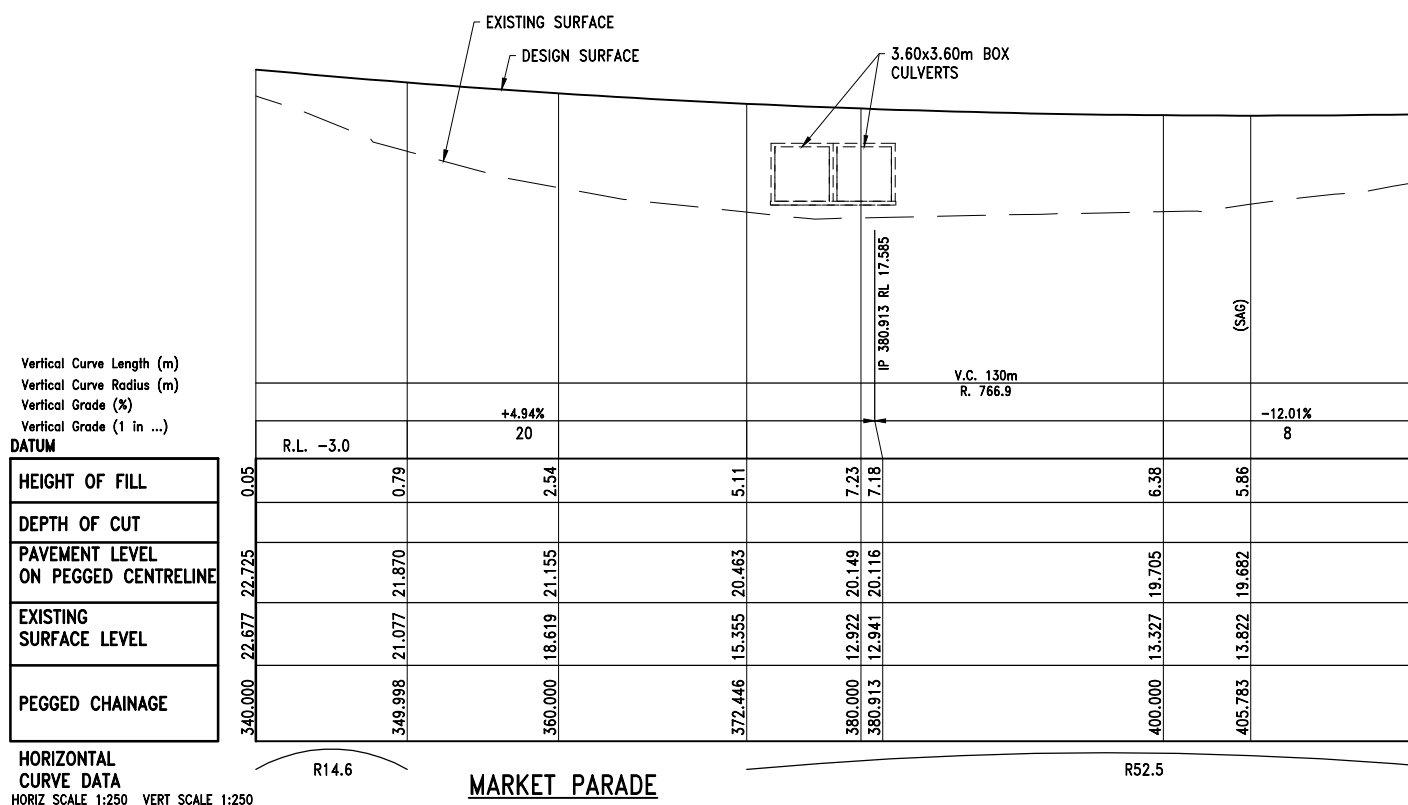


Project Name. **09-374 - ALTITUDE ASPIRE - MOD3**

ISSUE DATE		DAY	1	10									
		MONTH	4	7									
		YEAR	2019	2019									
Drg No.	DRAWING TITLE												
SK6460	EXTENT OF MAWSONS PEAK BLVD-TOWNSEND CRESCENT ROUNDABOUT WORKS	B	B										
SK6596	PROPOSED STAGING UPDATES	D	D										
SK6622	AREAS OF PROPOSED CHANGES FOR CONSENT MODIFICATION 3	C	C										
SK6978	LOT 610 SEWER RETICULATION PLAN AND TRUNK SEWER LONG. SECTION	A	A										
Media: P=Paper, F=Film, O=Original, E= Email, D= Digital/CD		E	E										
REASON FOR ISSUE: A=Approval, I=Information, P=Preliminary, T=Tender, C=Construction		A	A										
DISTRIBUTION													
Company:	To:												
Newland Developers Pty. Ltd.	Shaun Nicholson	1	1										
Bradlees Civil Consulting	Master File	1	1										
DAC PLANNING PTY LTD	Darryl Anderson	1	1										
Send By: M=Mail, C=Courier, O=Our Messenger, Y=Your Messenger, E=Email, DB=Dropbox		DB	DB										

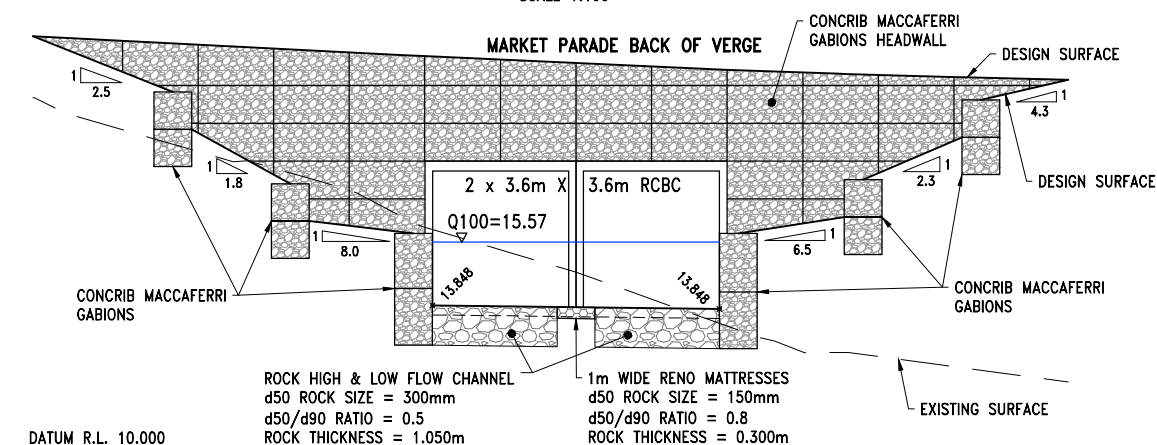


BOX CULVERT SECTIONS LAYOUT
SCALE 1:250



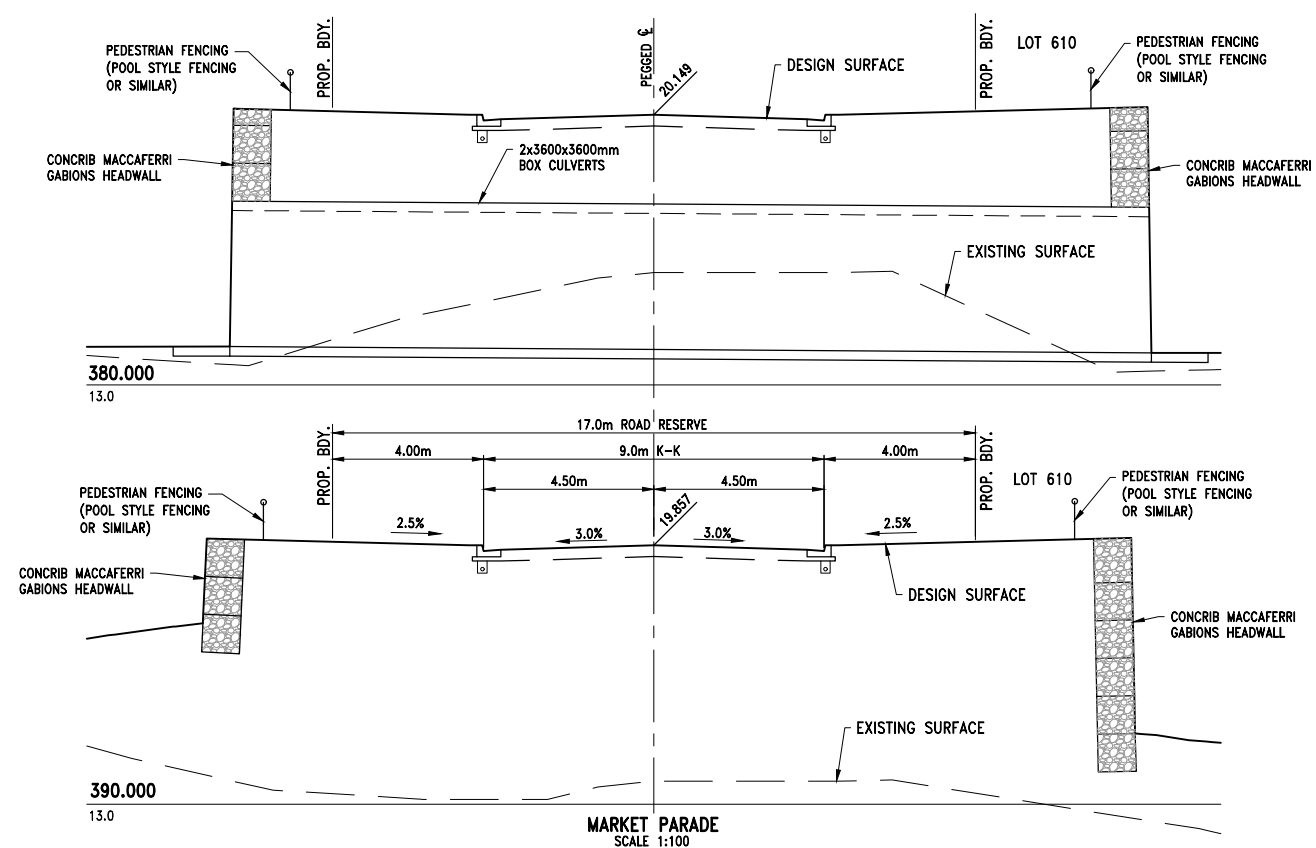
MARKET PARADE CULVERT UPSTREAM WALL

SCALE 1:100



MARKET PARADE CULVERT DOWNSTREAM WALL

SCALE 1:100



NEWLAND DEVELOPERS PTY LTD
09-374
06-02-2019
ALTITUDE ASPIRE
BOX CULVERT SECTIONS
SK 3487
REVISION F

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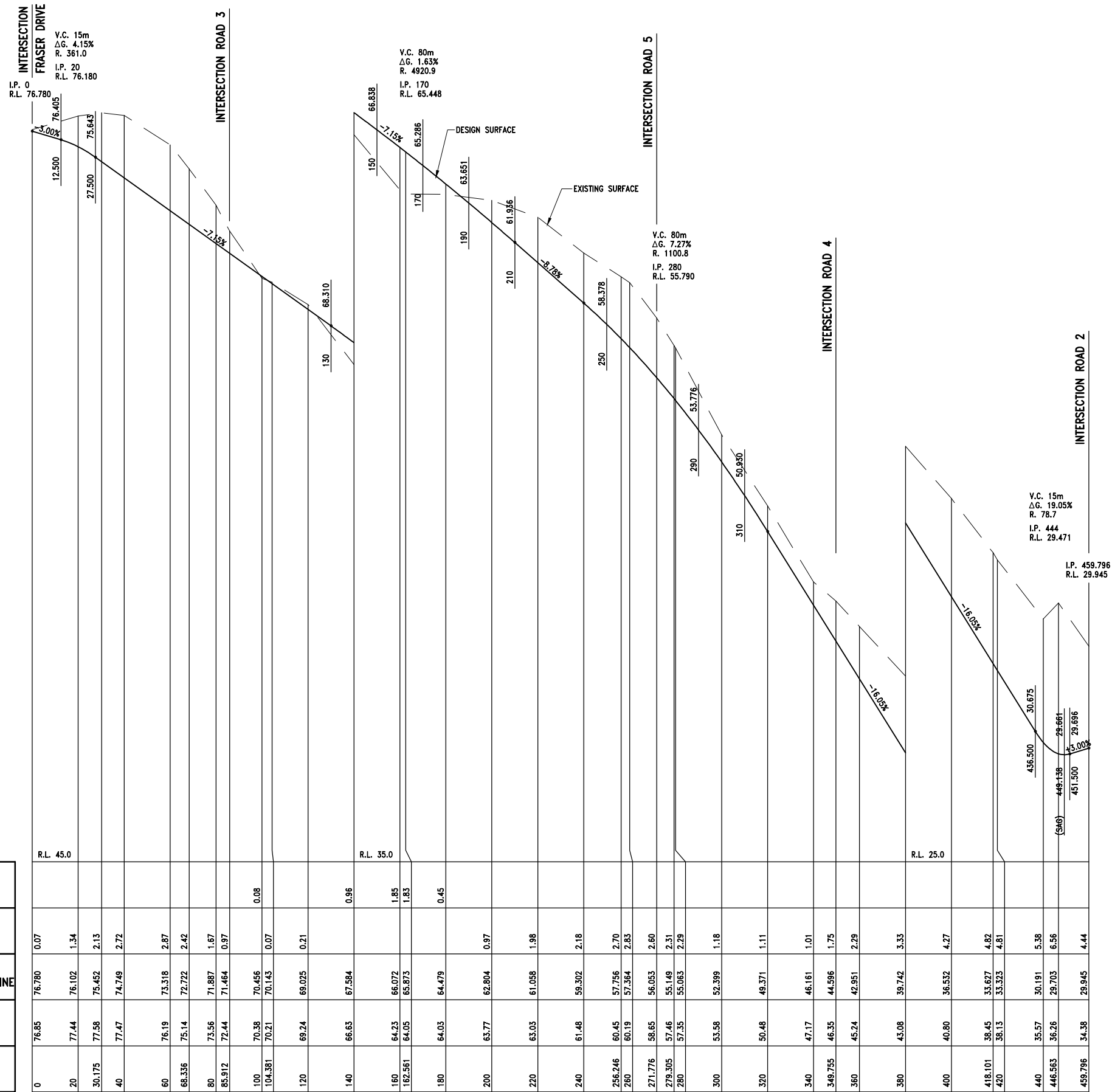
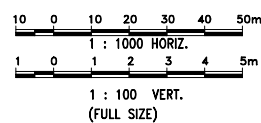
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HEIGHT OF FILL	
DEPTH OF CUT	
PAVEMENT LEVEL ON PEGGED CENTRELINE	
EXISTING SURFACE LEVEL	
PEGGED CHAINAGE	

HORIZONTAL
CURVE DATA

R80 R21 R21 R120

R15 R15

R29



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TERRANORA PRECINCT 1
ROAD 1
LONGITUDINAL SECTION

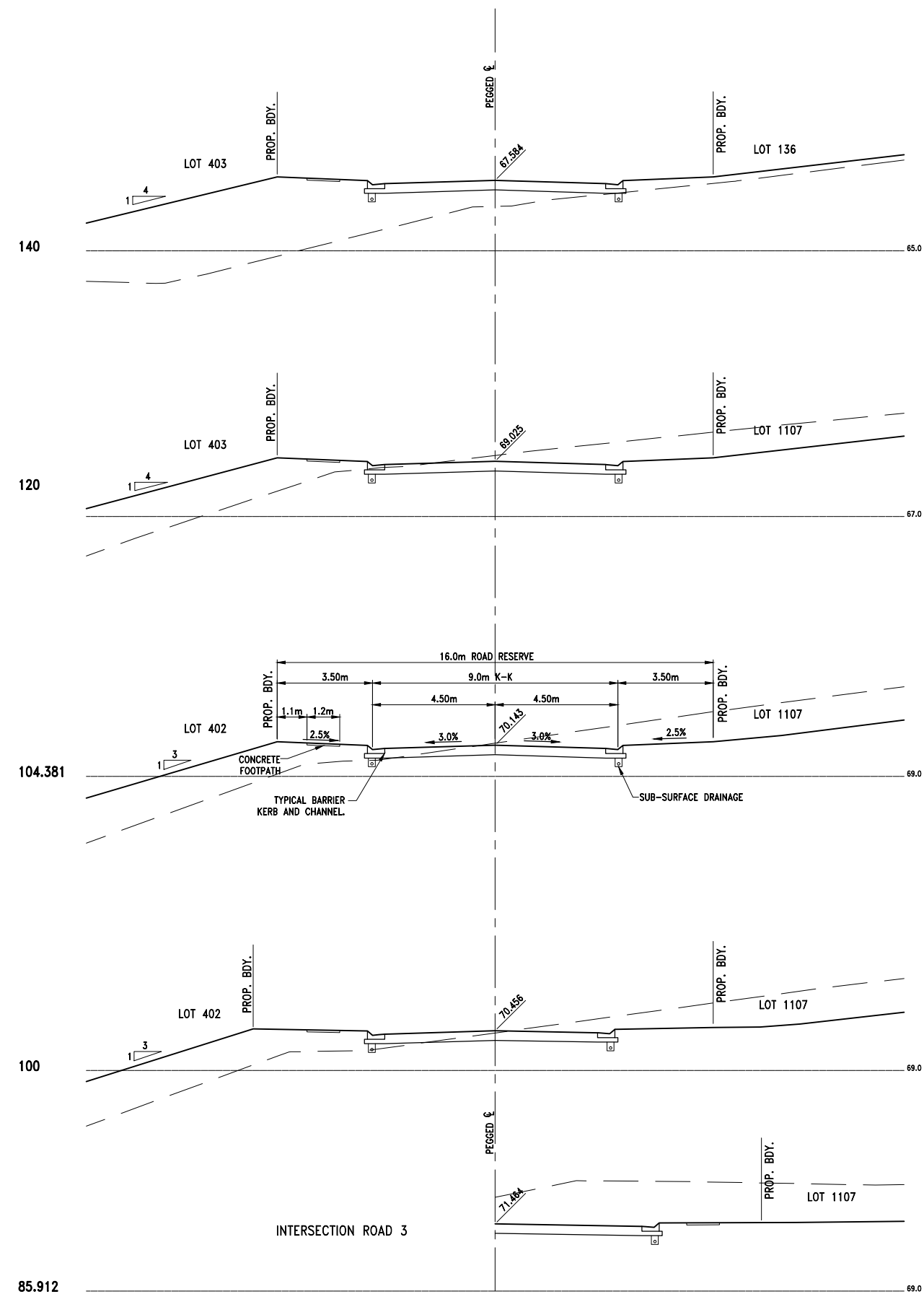
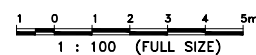
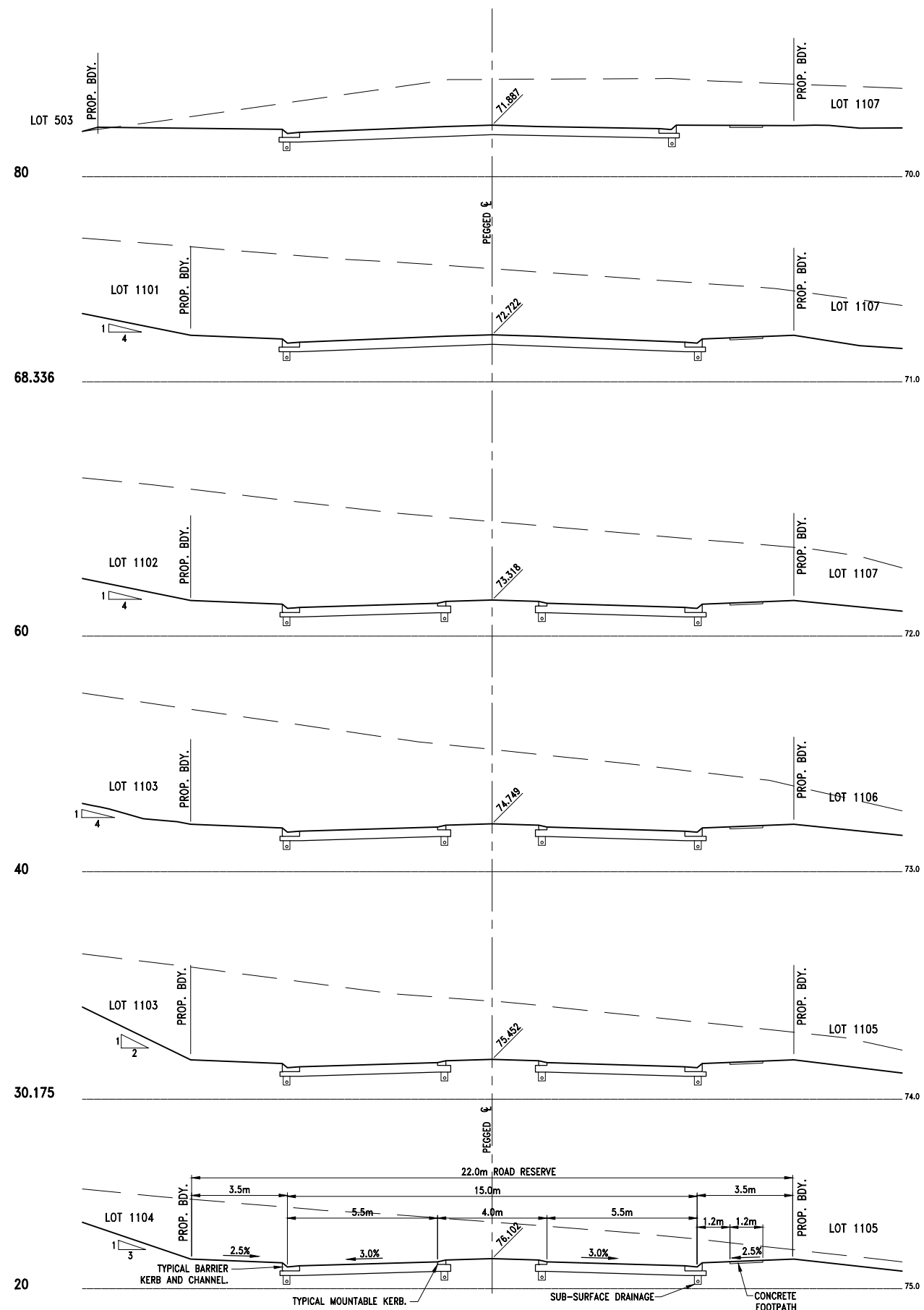
09-374
07-01-2013

SK 3586
REVISION B

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TERRANORA PRECINCT 1
ROAD 1 CROSS SECTIONS
SHEET 1 OF 3

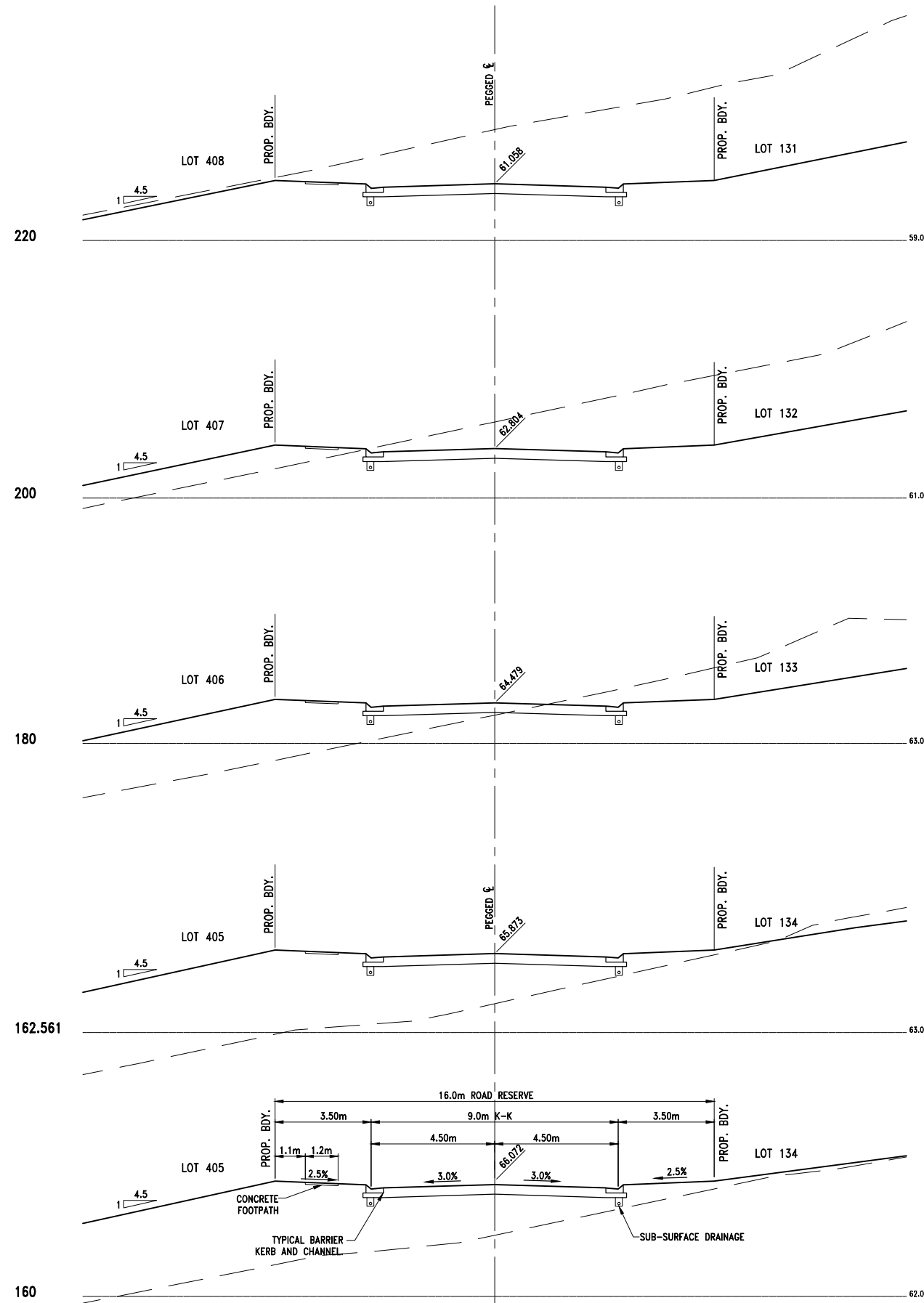
09-374
07-01-2013

SK 3587
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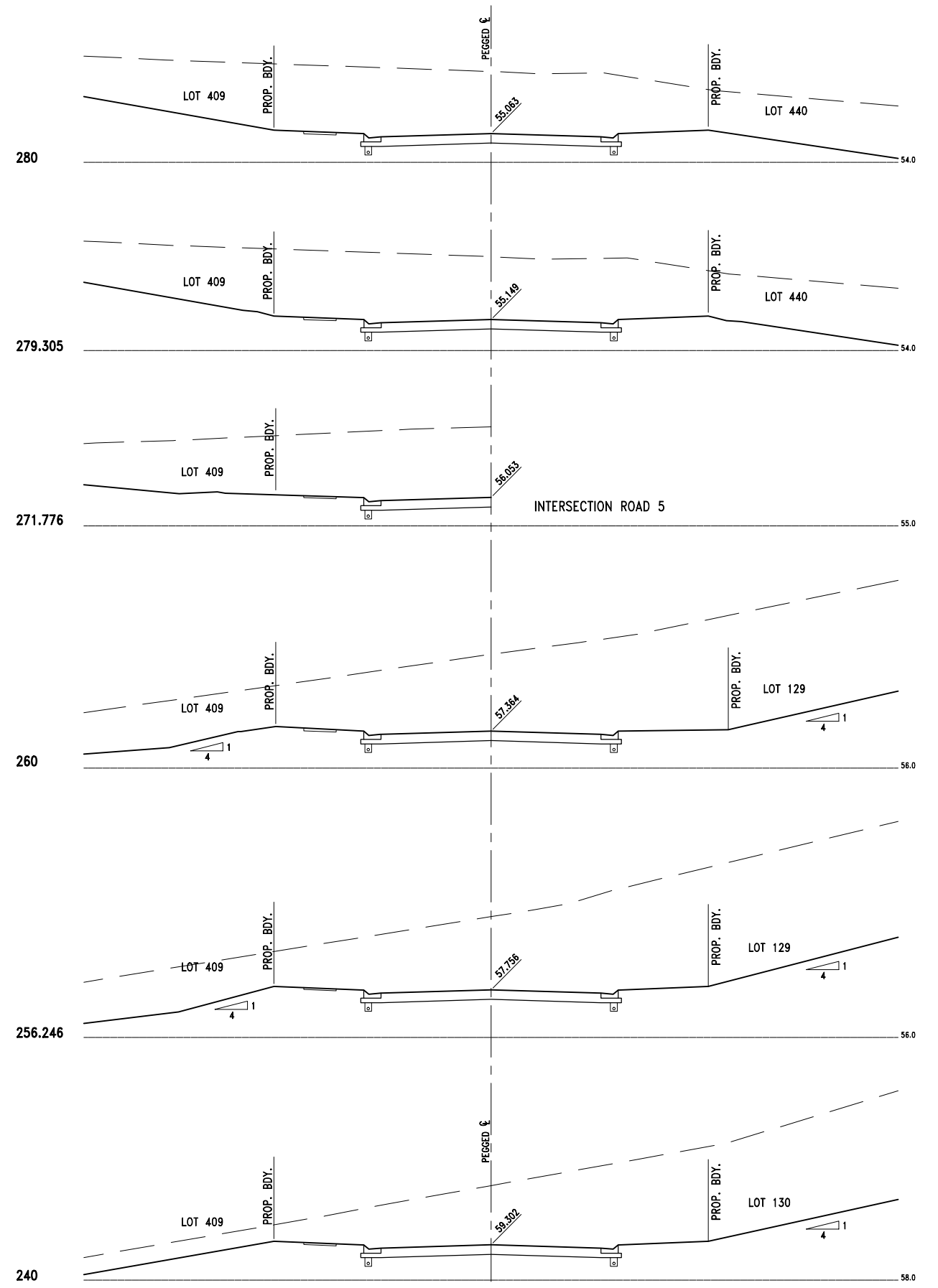
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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)



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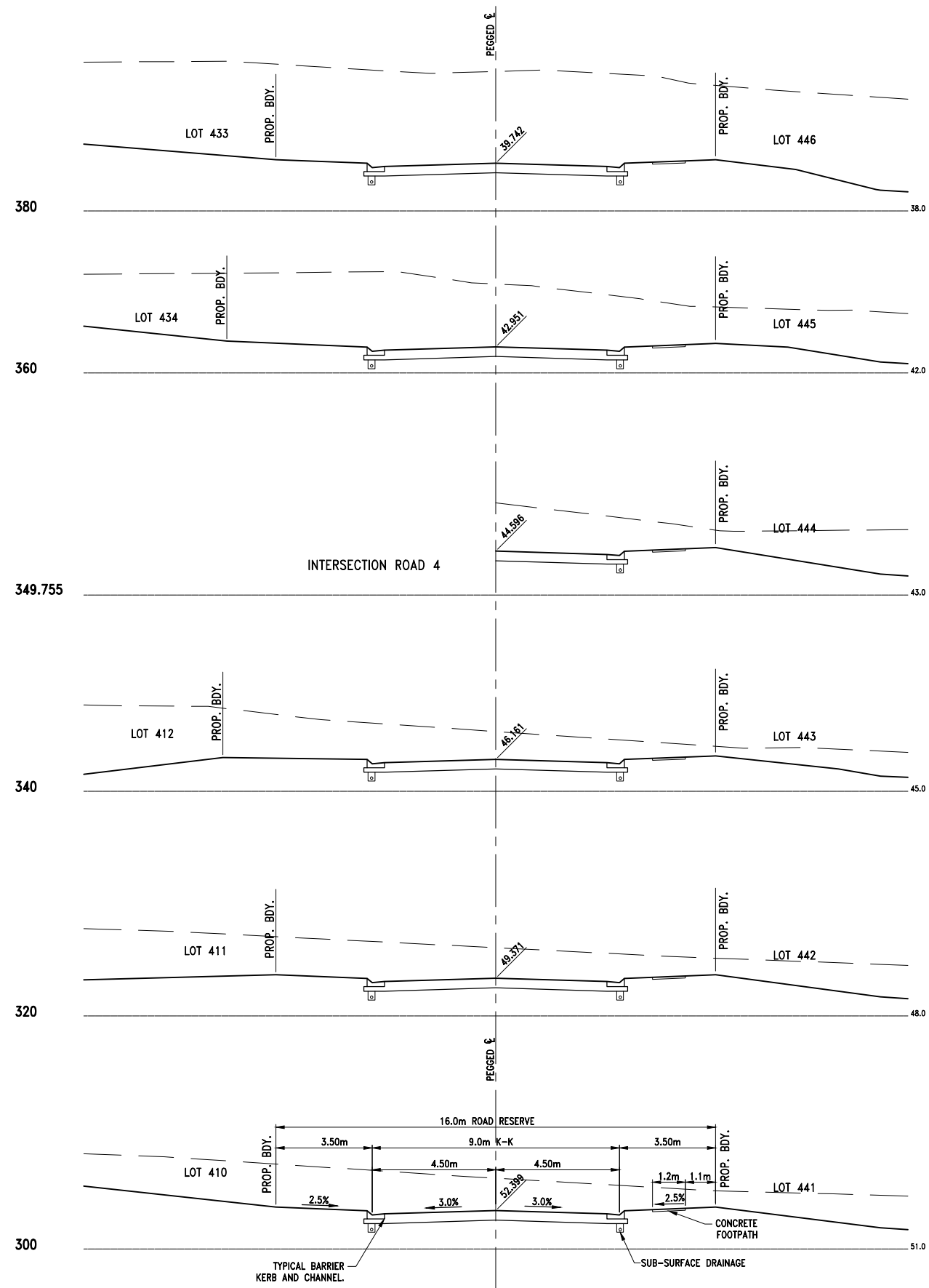
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SHEET 2 OF 3

SK 3588
REVISION B

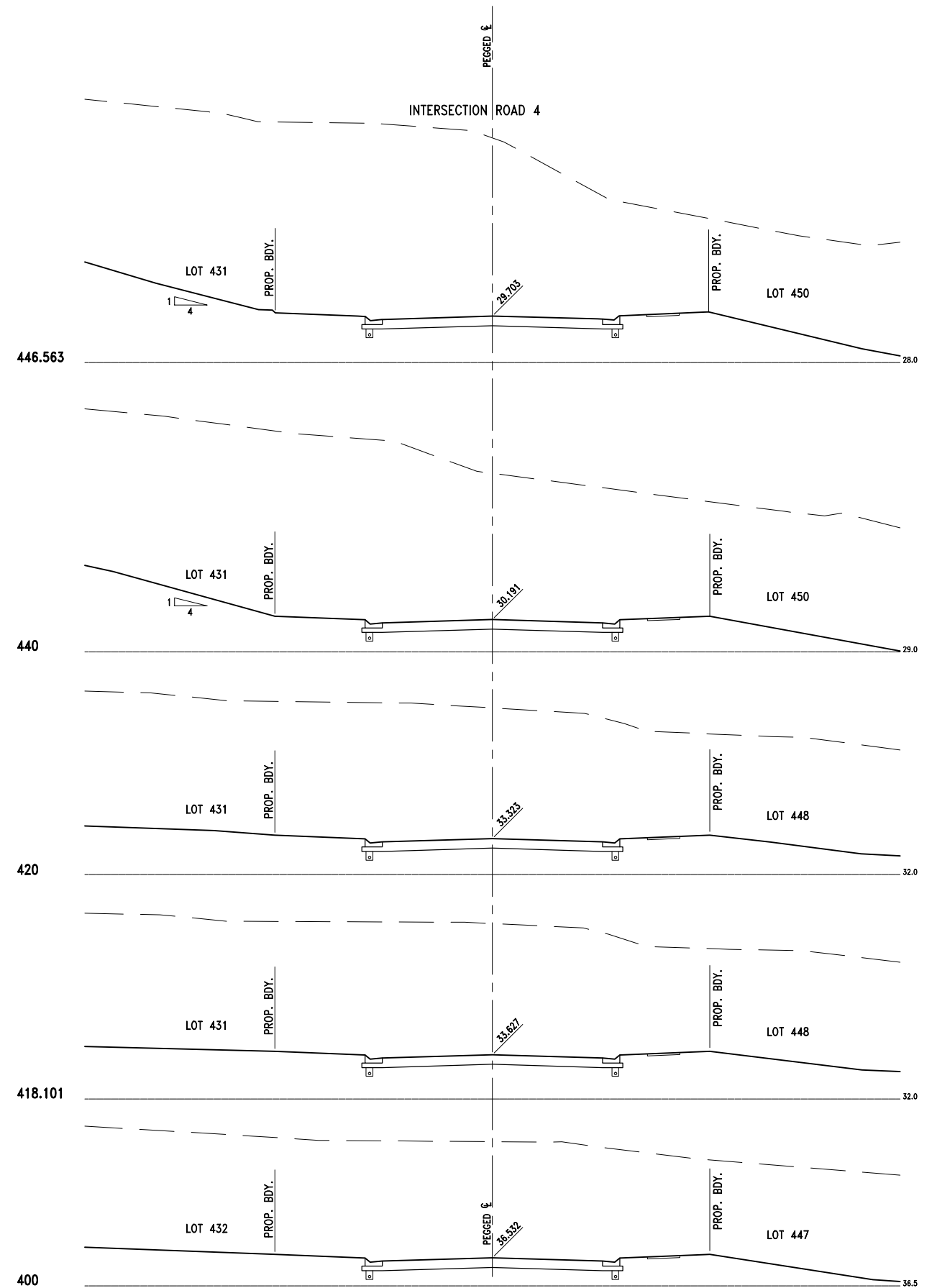
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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)



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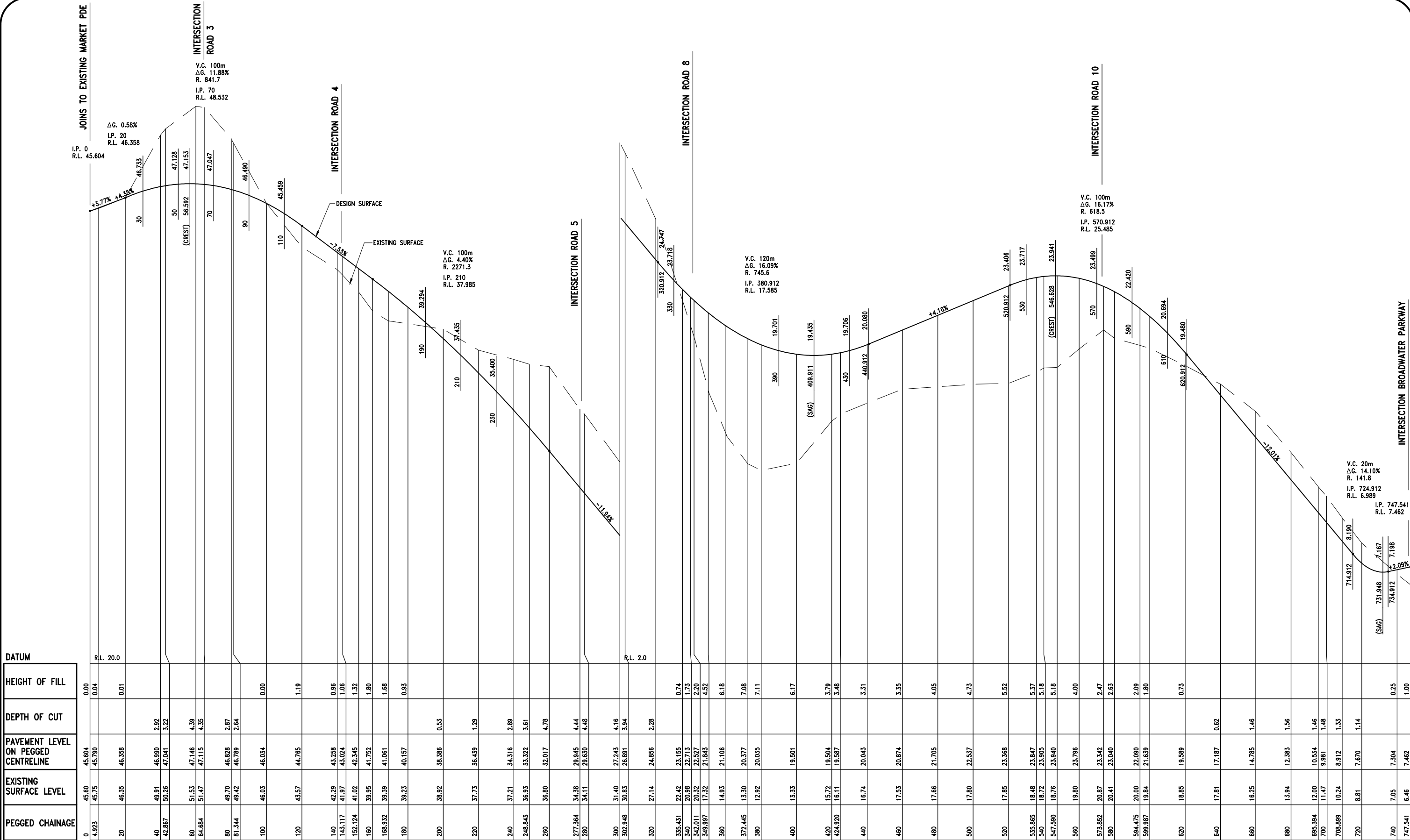
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ROAD 1 CROSS SECTIONS
SHEET 3 OF 3

SK 3589
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DATUM

HEIGHT OF FILL
0.00

HEIGHT OF FILL

0.04

DEPTH OF CUT

0.01

PAVEMENT LEVEL ON PEGGED CENTRELINE

45.604

EXISTING SURFACE LEVEL

45.60

PEGGED CHAINAGE

0

HORIZONTAL CURVE DATA

R60

R25

R25

R80.5

R30.5

R30.5

R79.5 R79.5

R49.5

R50

R80

R30

NEWLAND DEVELOPERS PTY LTD

09-374
07-01-2013

TERRANORA PRECINCT 1

ROAD 2

LONGITUDINAL SECTION

SK 3590

REVISION B

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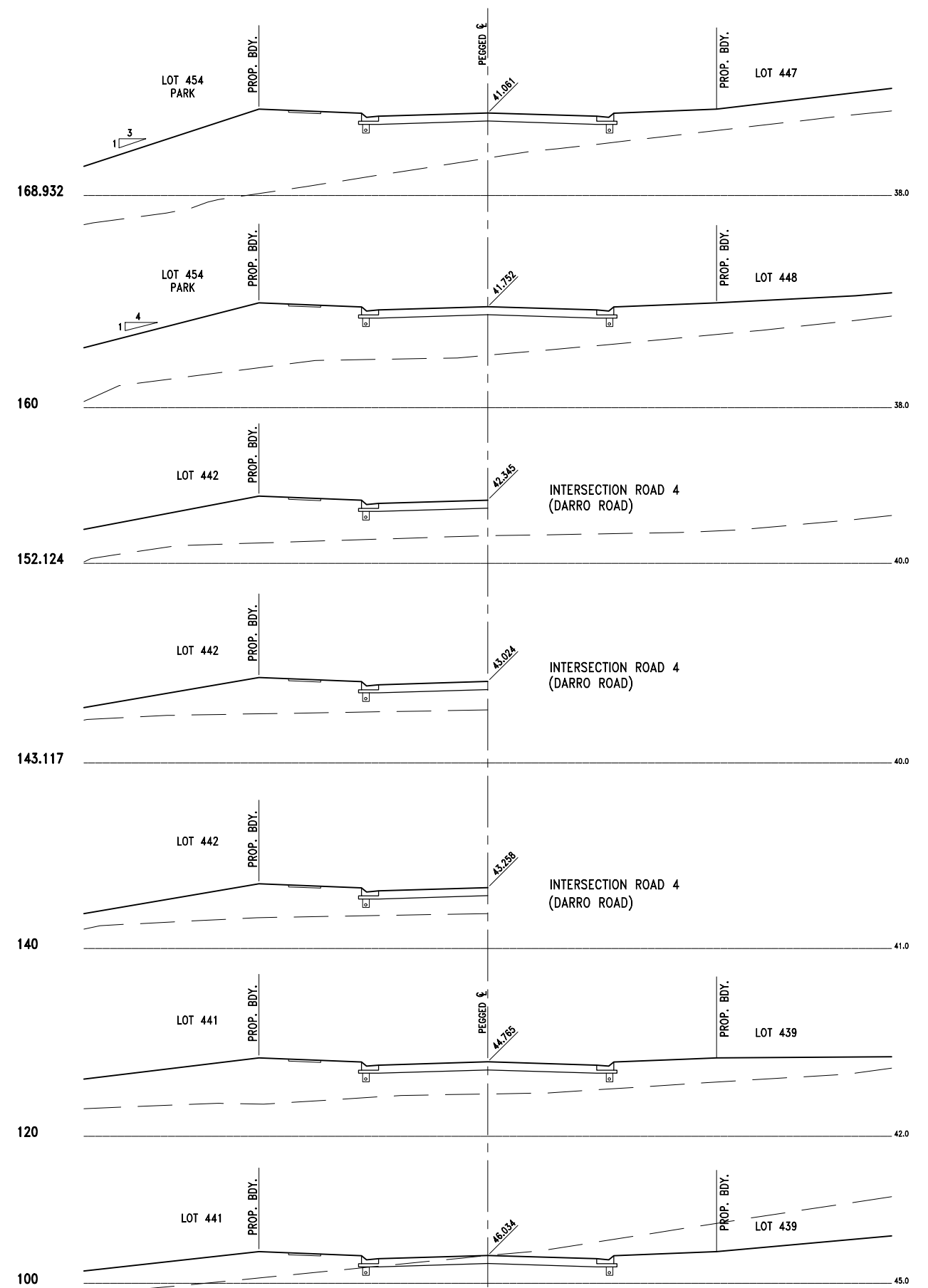
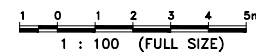
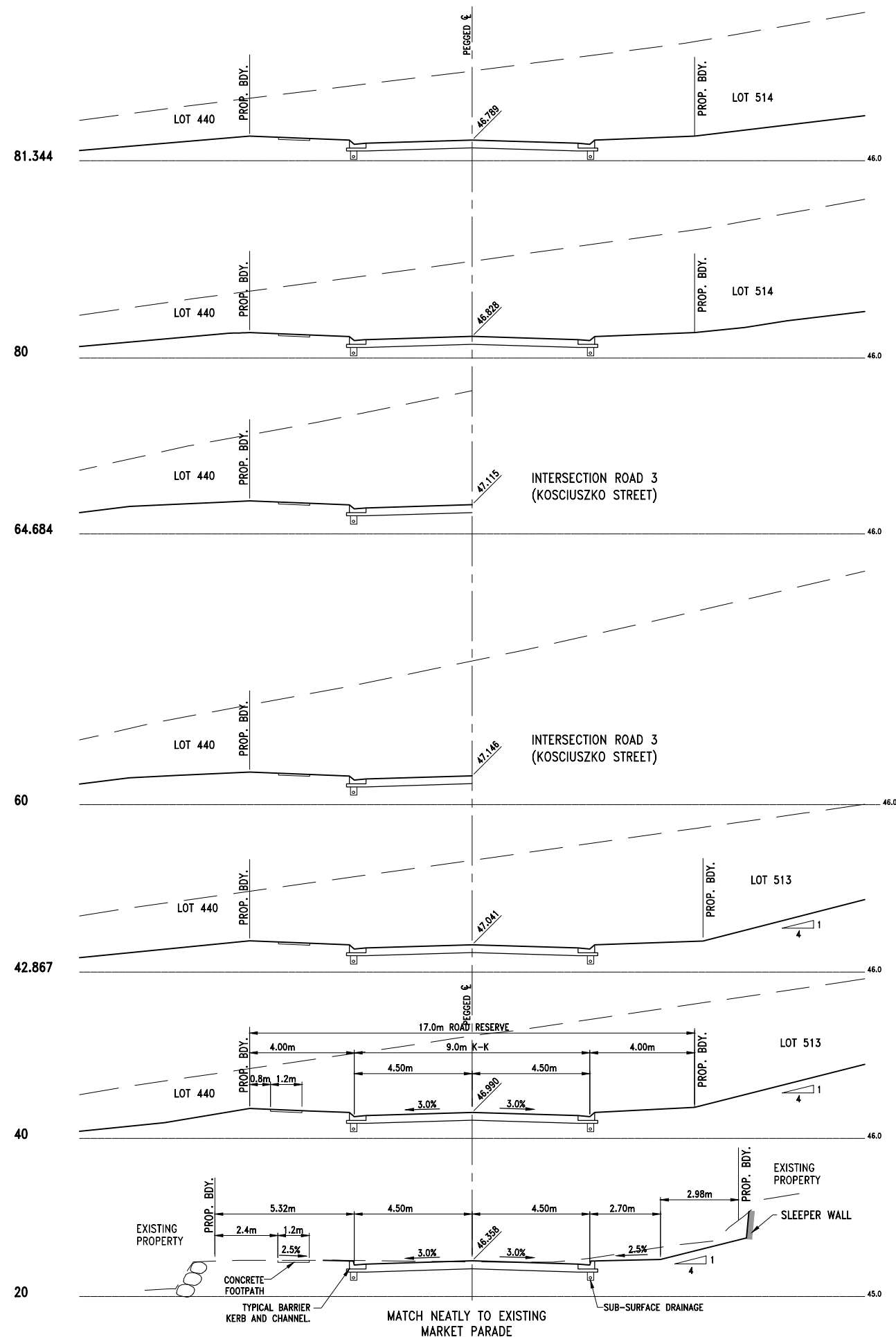
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REG. NO. 253



NEWLAND DEVELOPERS PTY LTD

09-374
24-07-2018

TERRANORA PRECINCT 1
ROAD 2 (MARKET PARADE) CROSS
SECTIONS - SHEET 1 OF 5

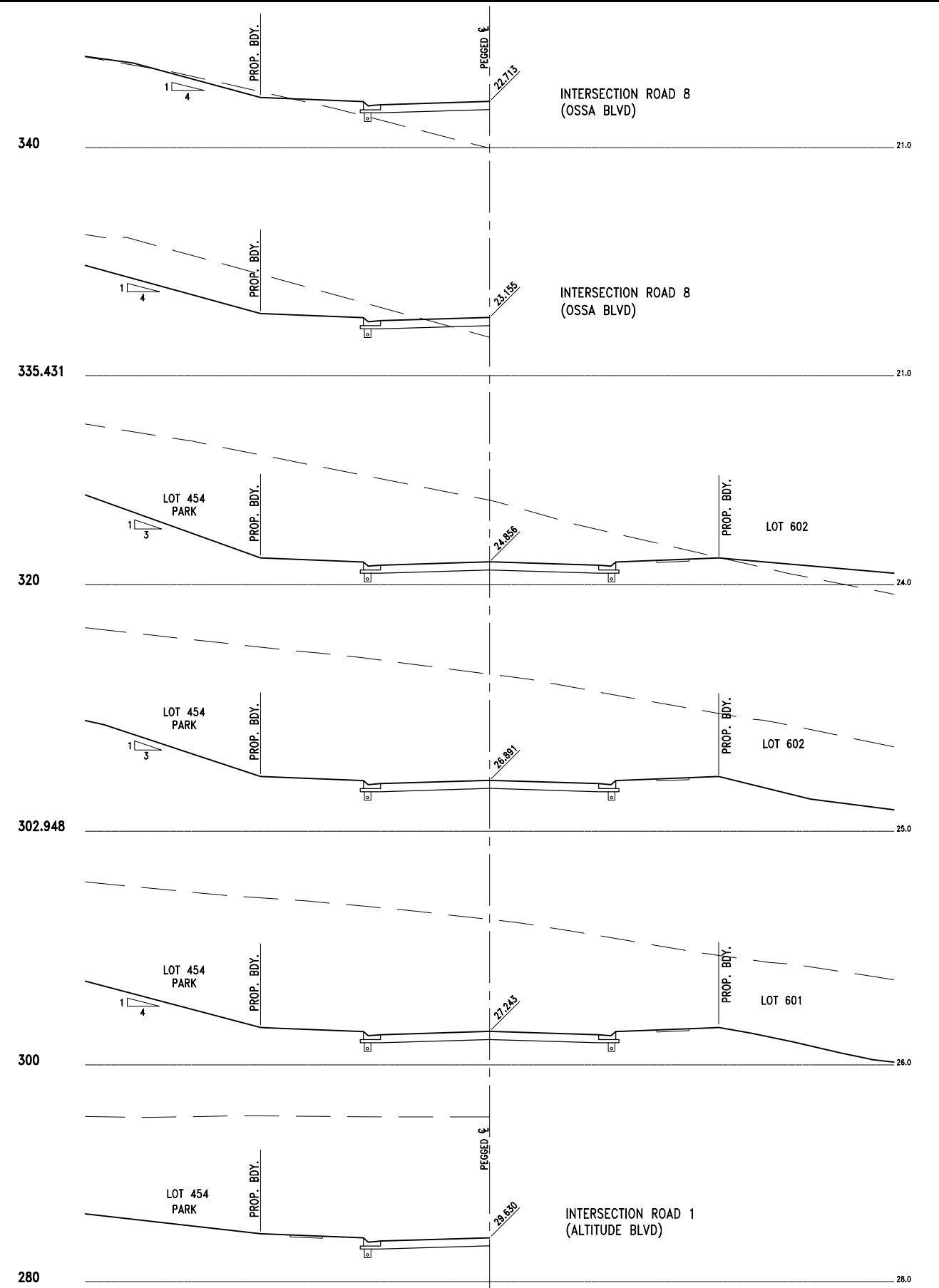
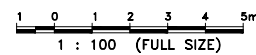
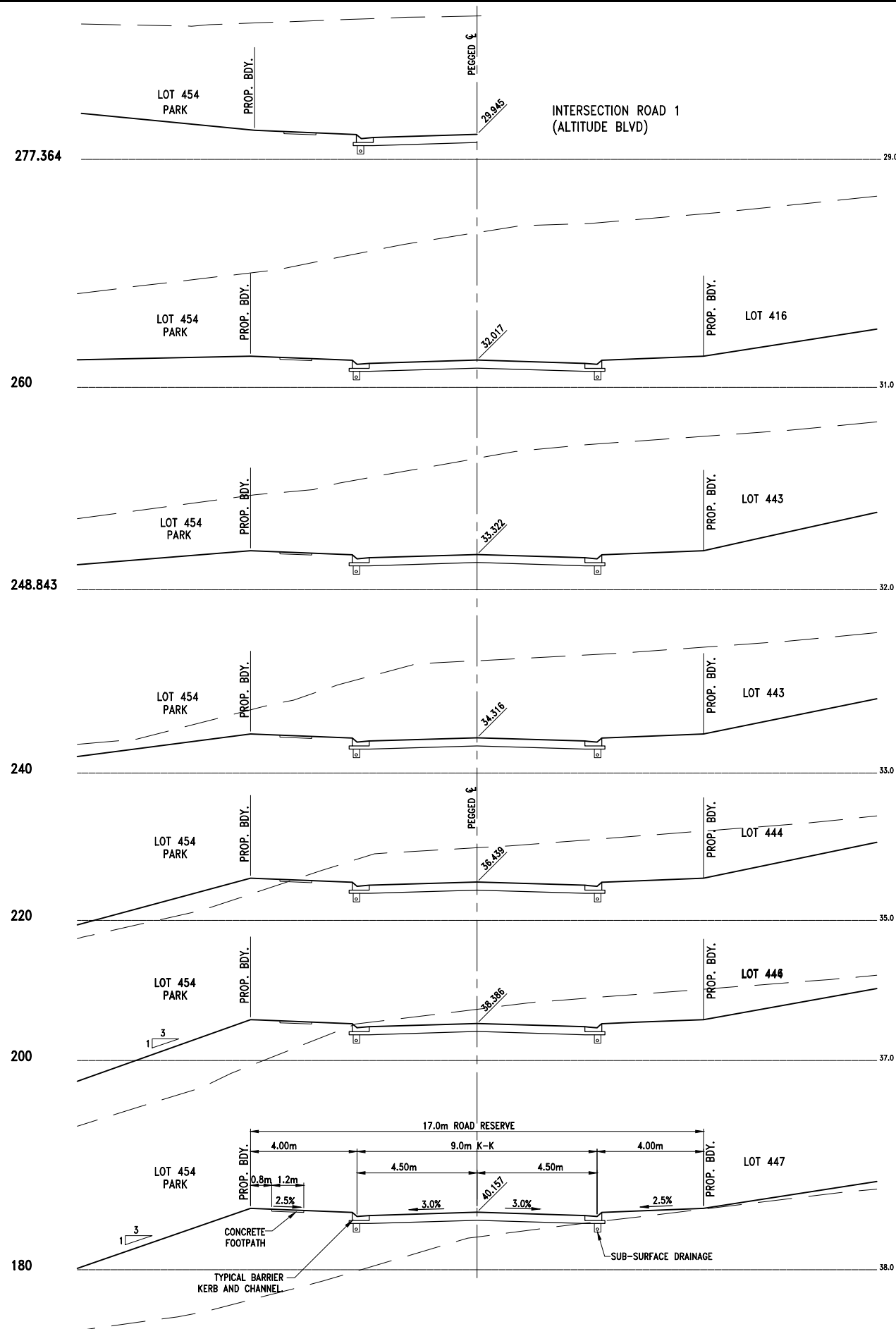
SK 3591
REVISION C

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NEWLAND DEVELOPERS PTY LTD

09-374
24-07-2018

TERRANORA PRECINCT 1
ROAD 2 (MARKET PARADE) CROSS
SECTIONS - SHEET 2 OF 5

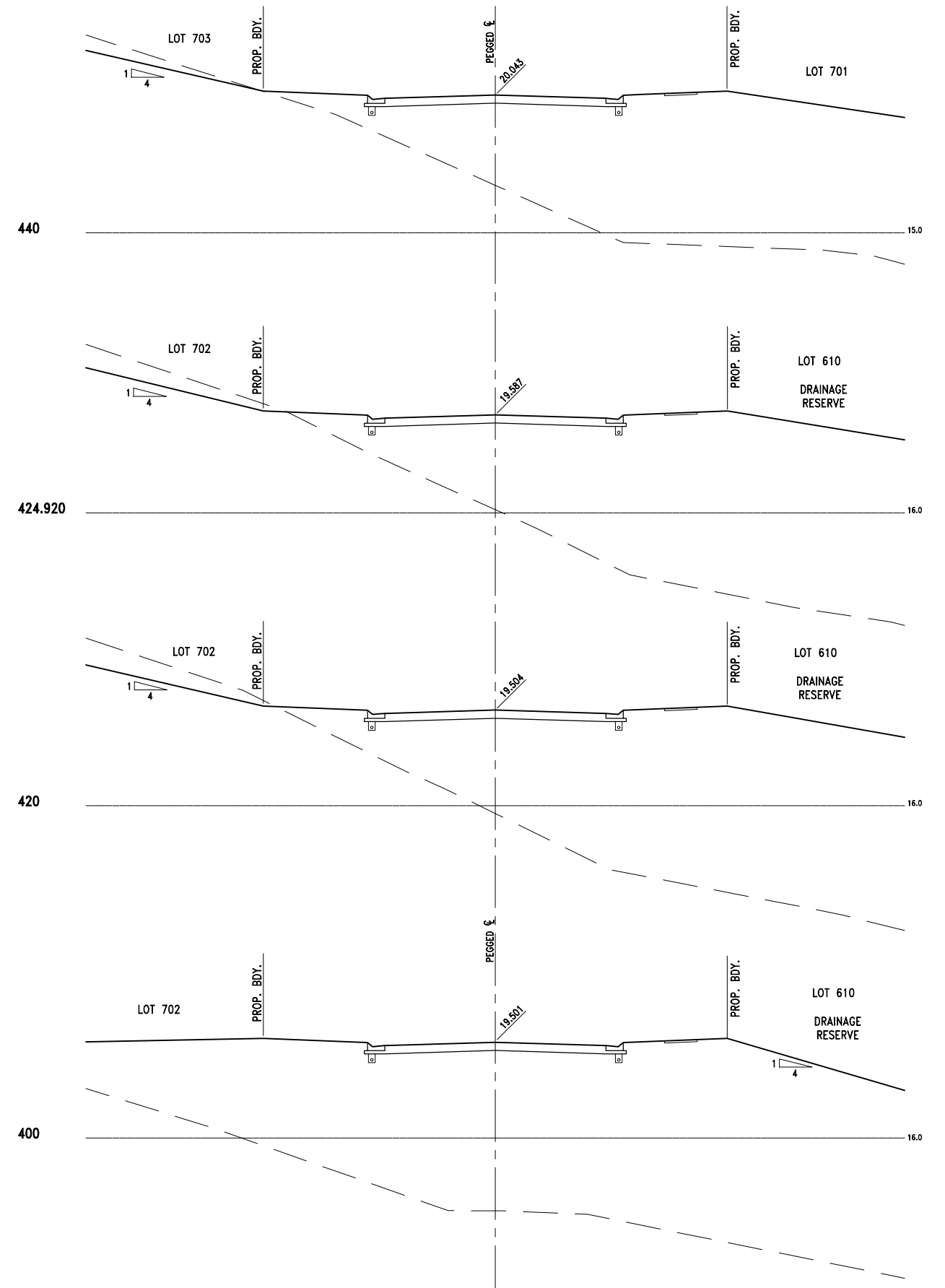
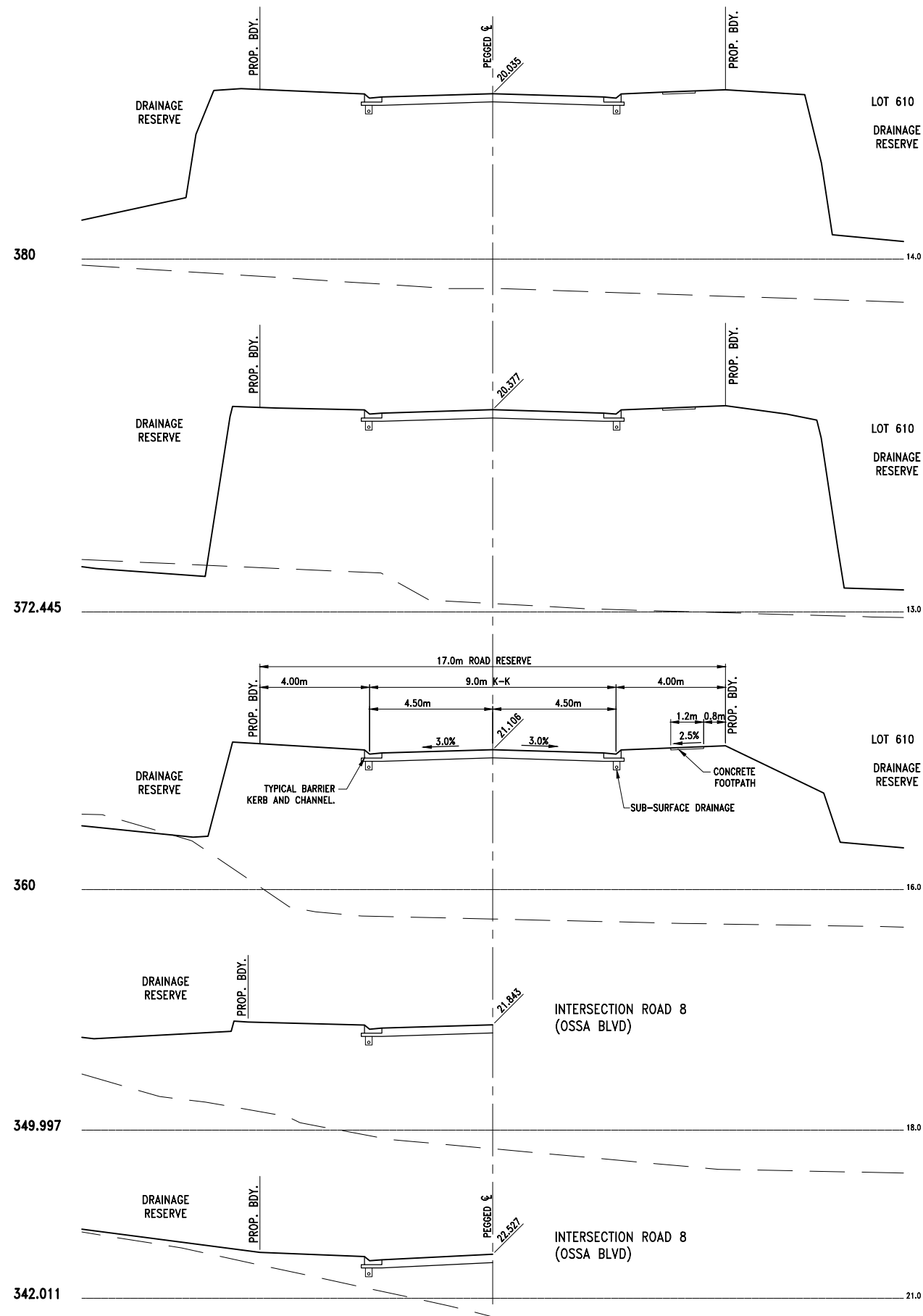
SK 3592
REVISION C

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REG. NO. 233



1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)

NEWLAND DEVELOPERS PTY LTD

09-374
24-07-2018

TERRANORA PRECINCT 1
ROAD 2 (MARKET PARADE) CROSS
SECTIONS - SHEET 3 OF 5

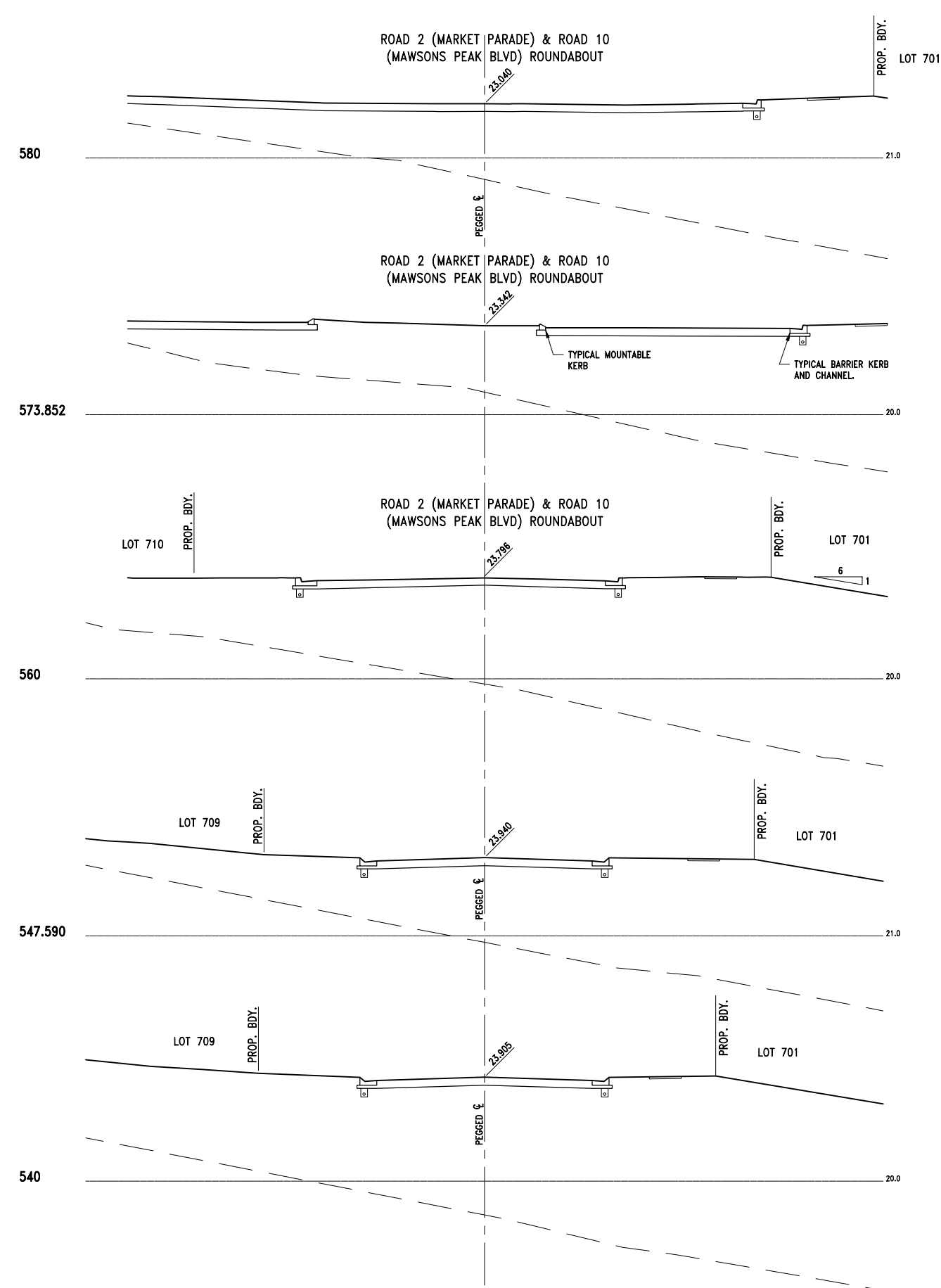
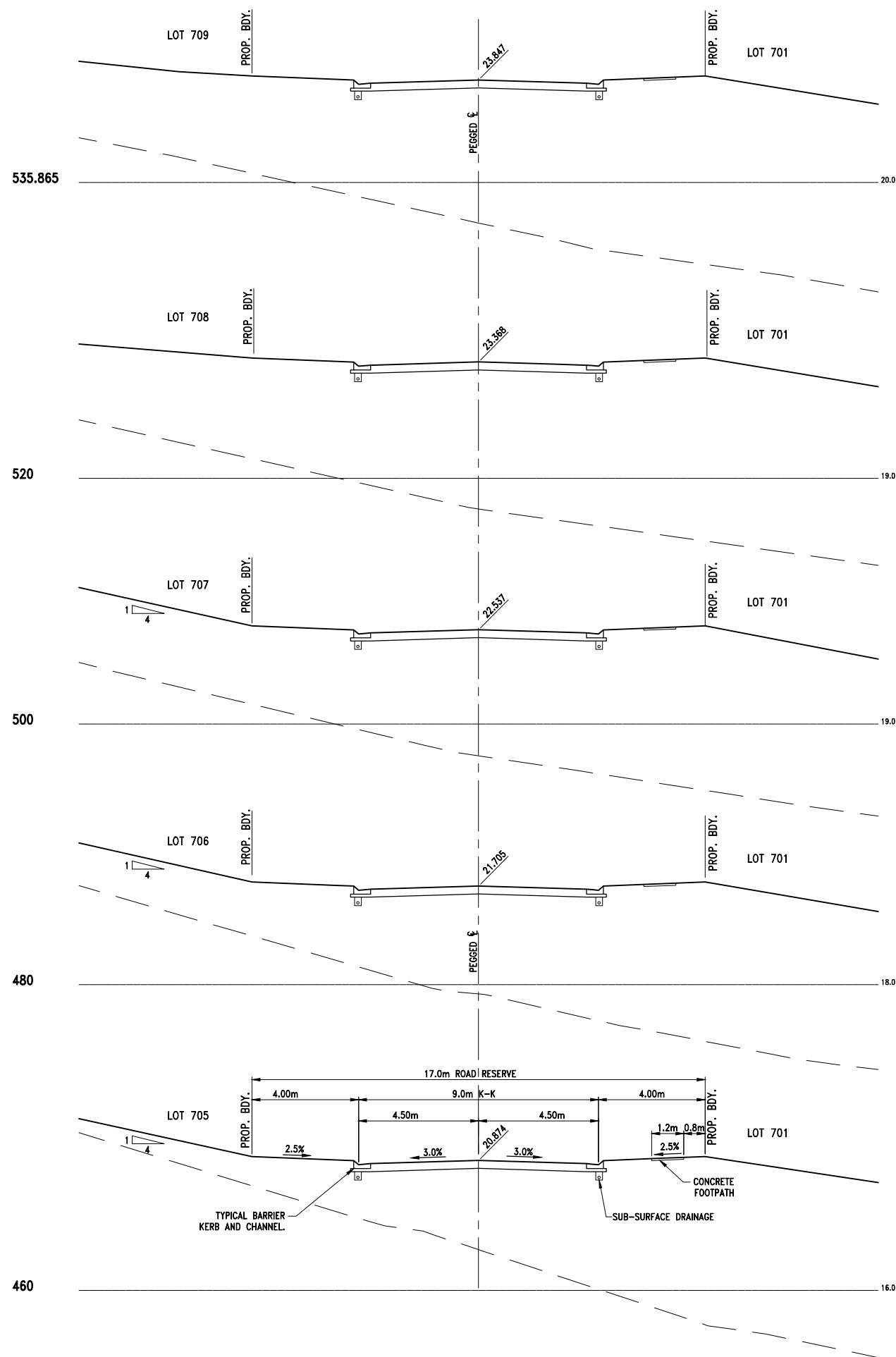
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REG. NO. 253



1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)

NEWLAND DEVELOPERS PTY LTD

09-374
24-07-2018

TERRANORA PRECINCT 1
ROAD 2 (MARKET PARADE) CROSS
SECTIONS - SHEET 4 OF 5

SK 3594
REVISION C

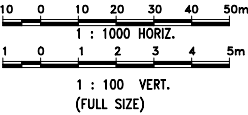
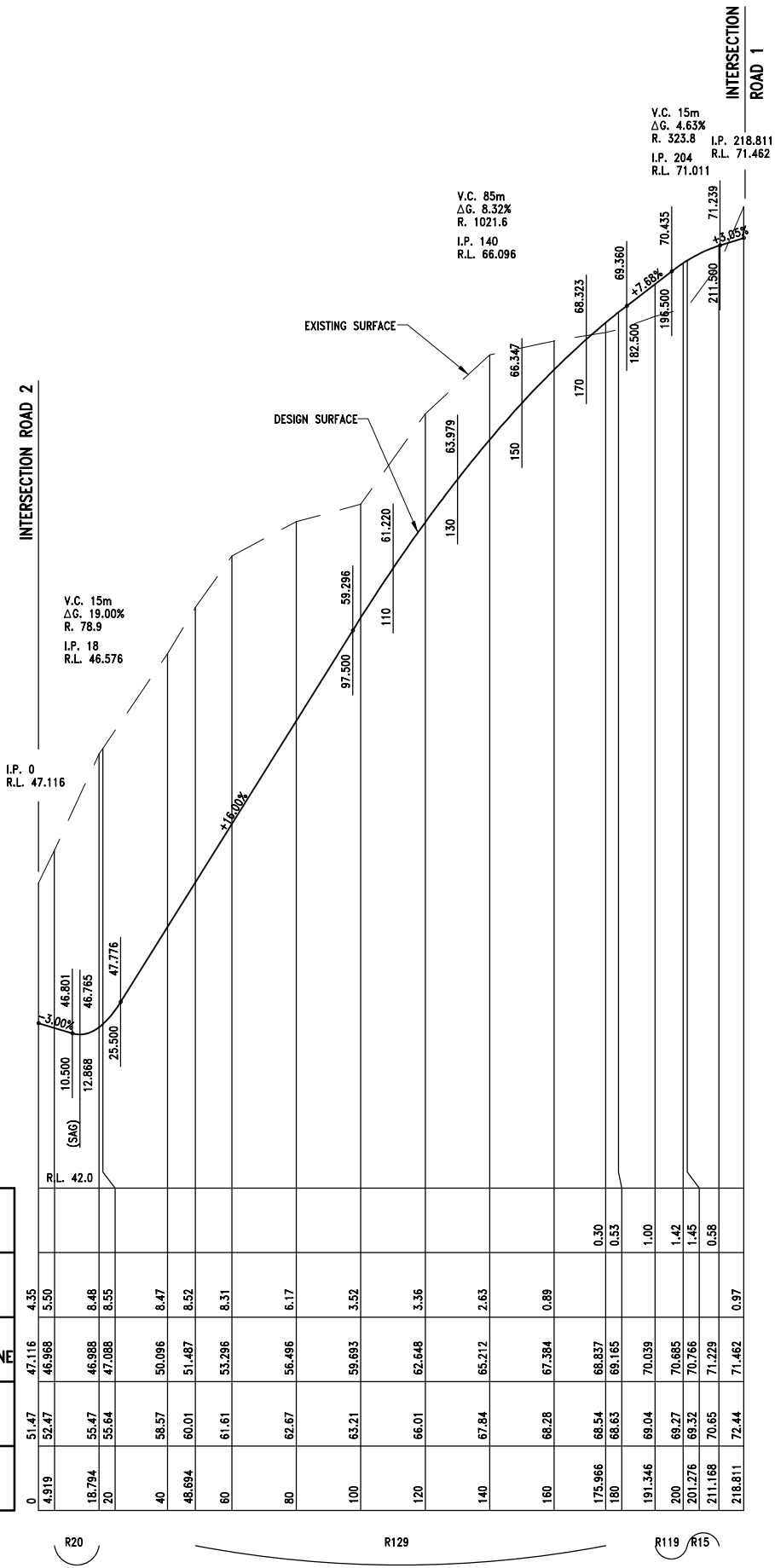
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QUALITY ASSURED COMPANY
AS/NZS ISO 9001:2008
REG. NO. 253

DATUM	
HEIGHT OF FILL	
DEPTH OF CUT	
PAVEMENT LEVEL ON PEGGED CENTRELINE	
EXISTING SURFACE LEVEL	
PEGGED CHAINAGE	

HORIZONTAL
CURVE DATA



NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
ROAD 3
LONGITUDINAL SECTION

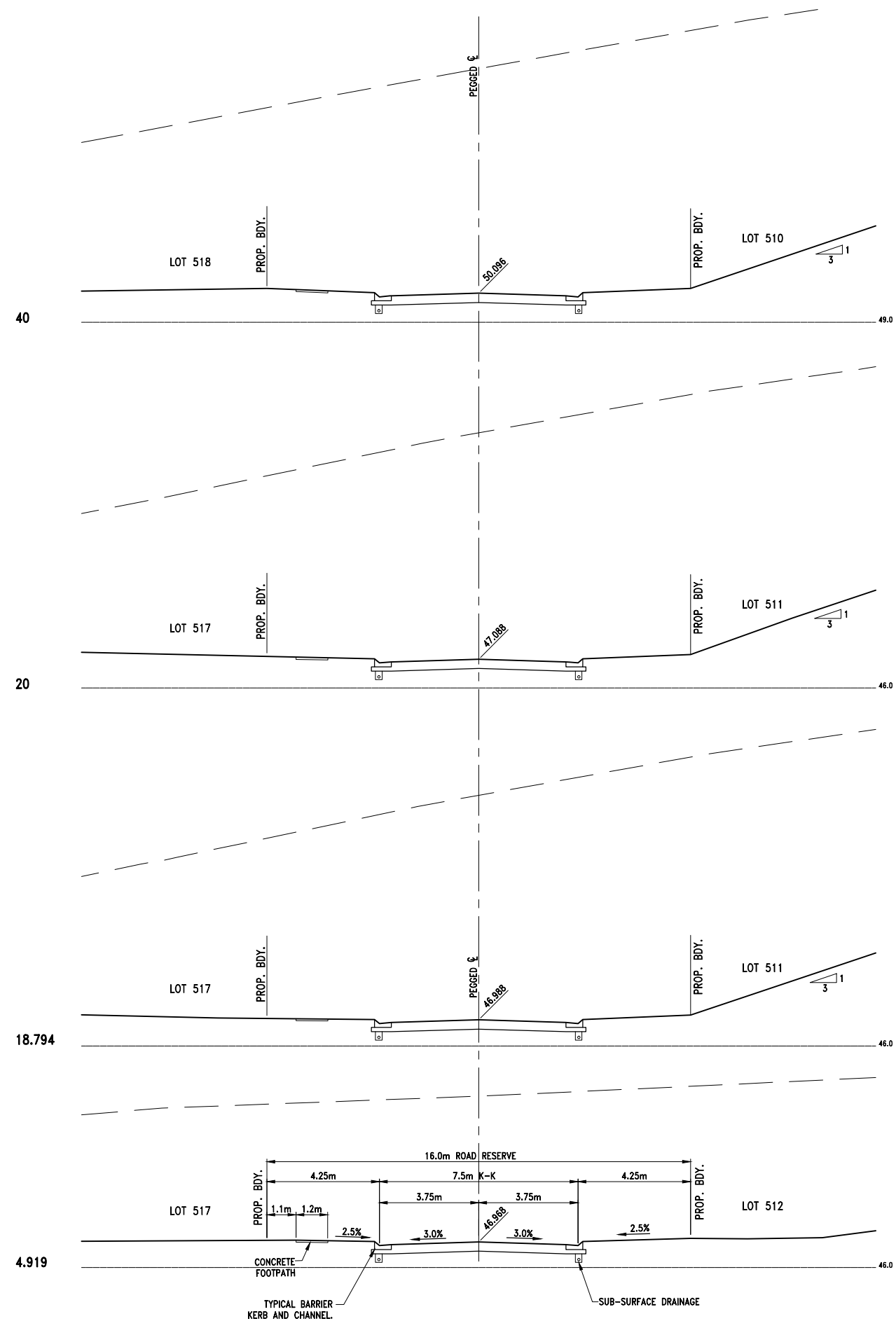
09-374
07-01-2013

SK 3595
REVISION B

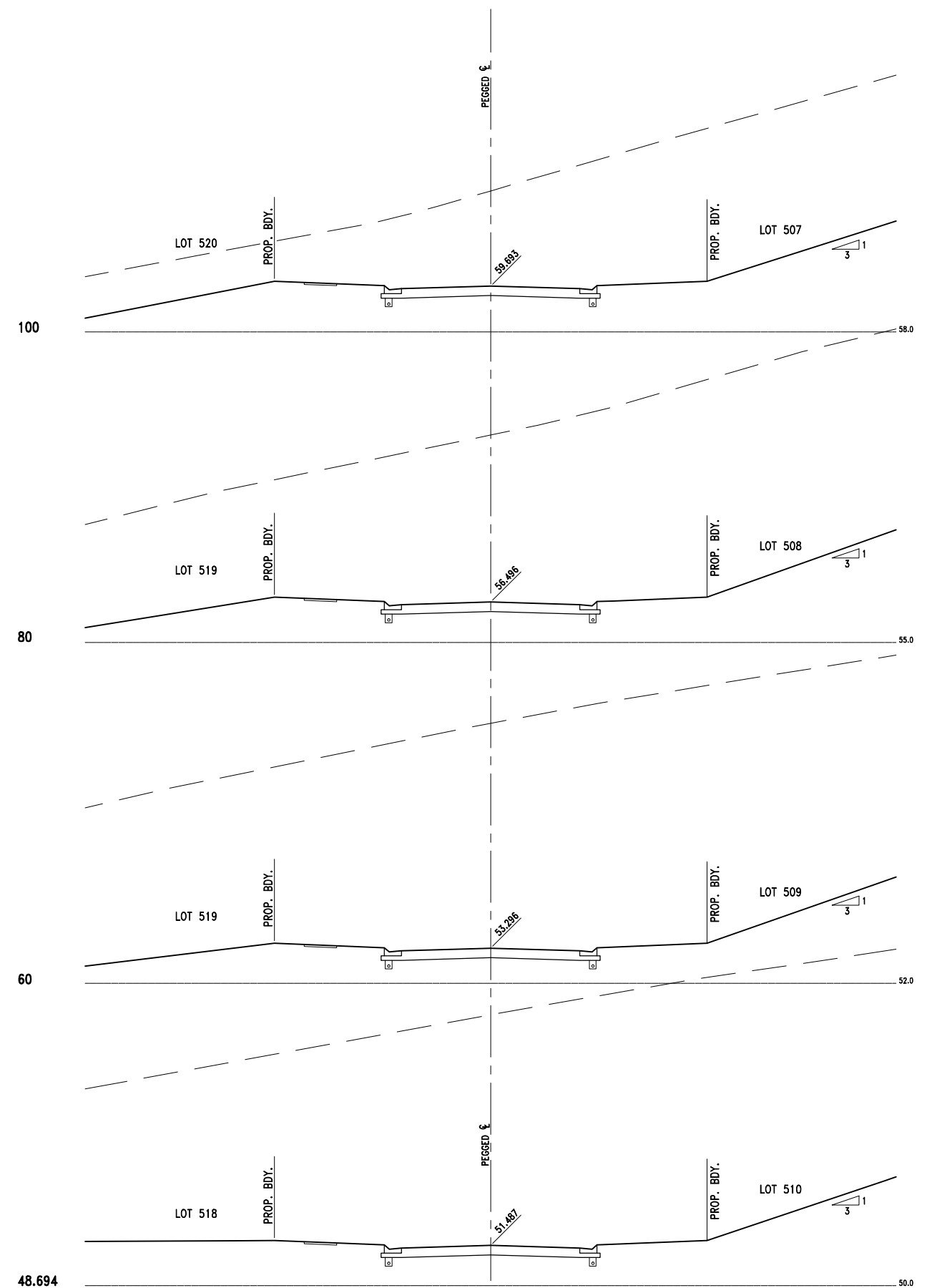
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REG. NO. 253



1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)



NEWLAND DEVELOPERS PTY LTD

09-374
07-01-2013

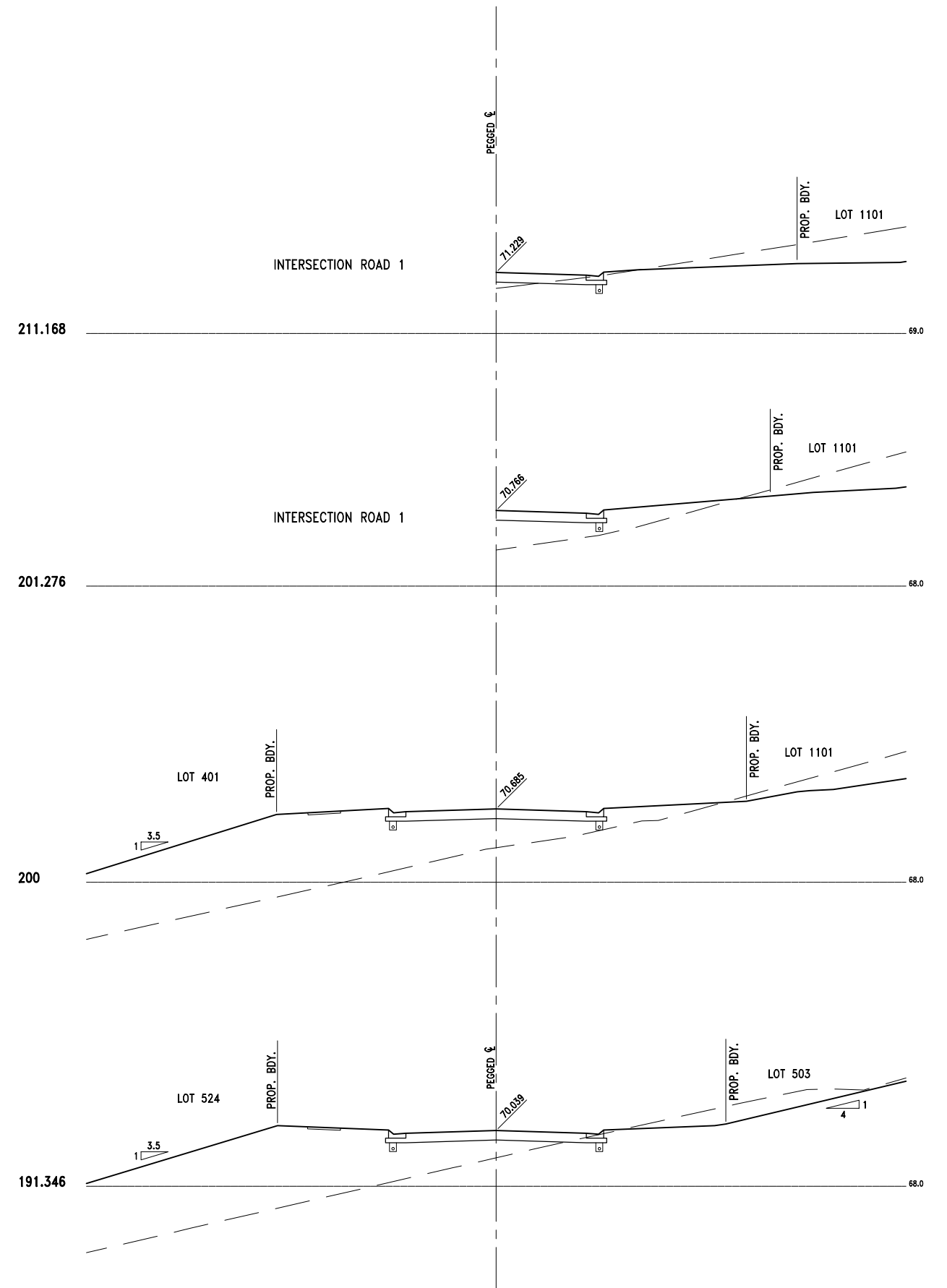
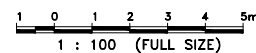
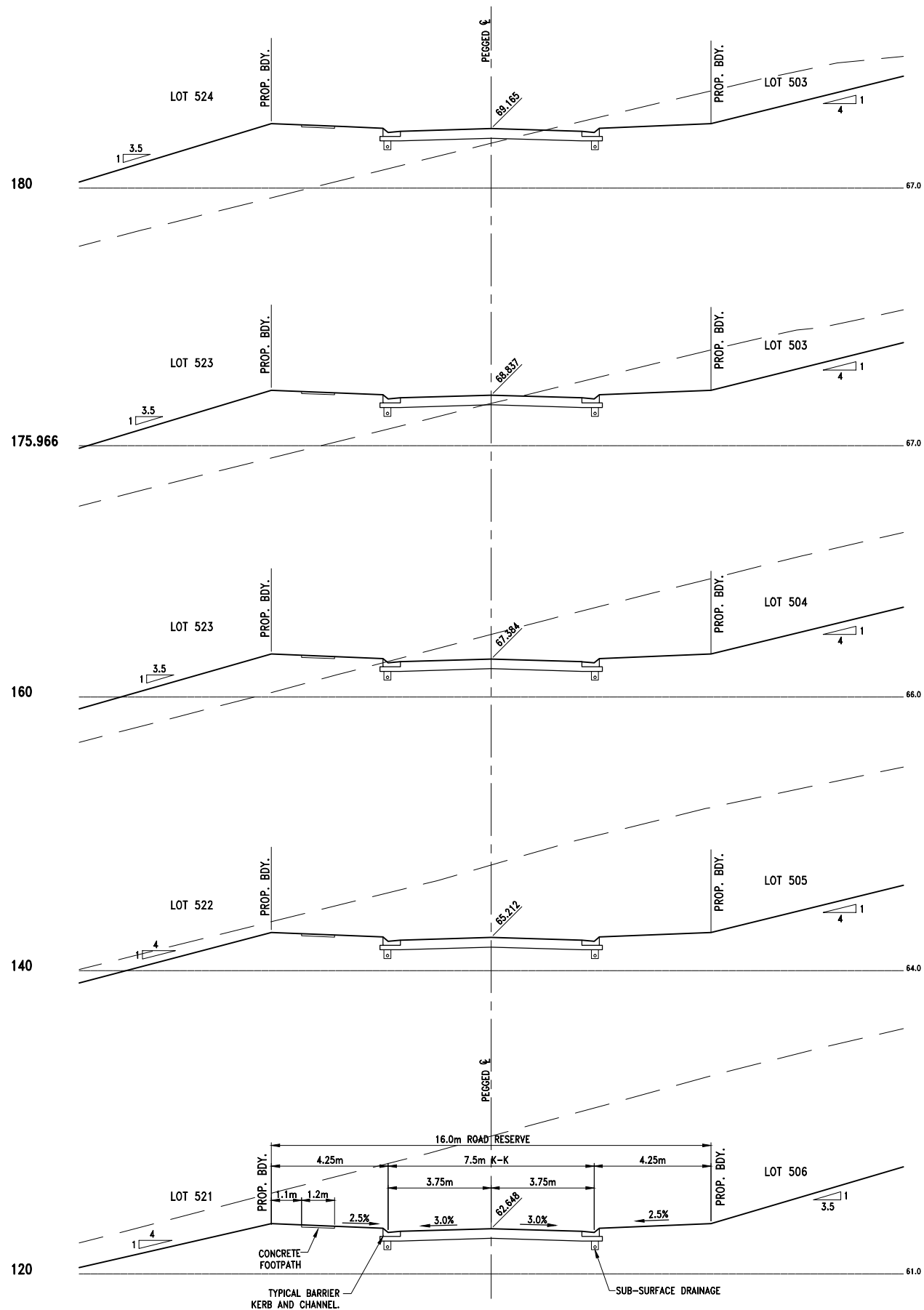
TERRANORA PRECINCT 1
ROAD 3 CROSS SECTIONS
SHEET 1 OF 2

SK 3596
REVISION B

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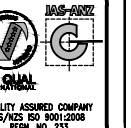
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07-01-2013

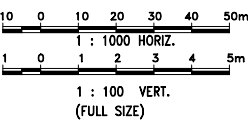
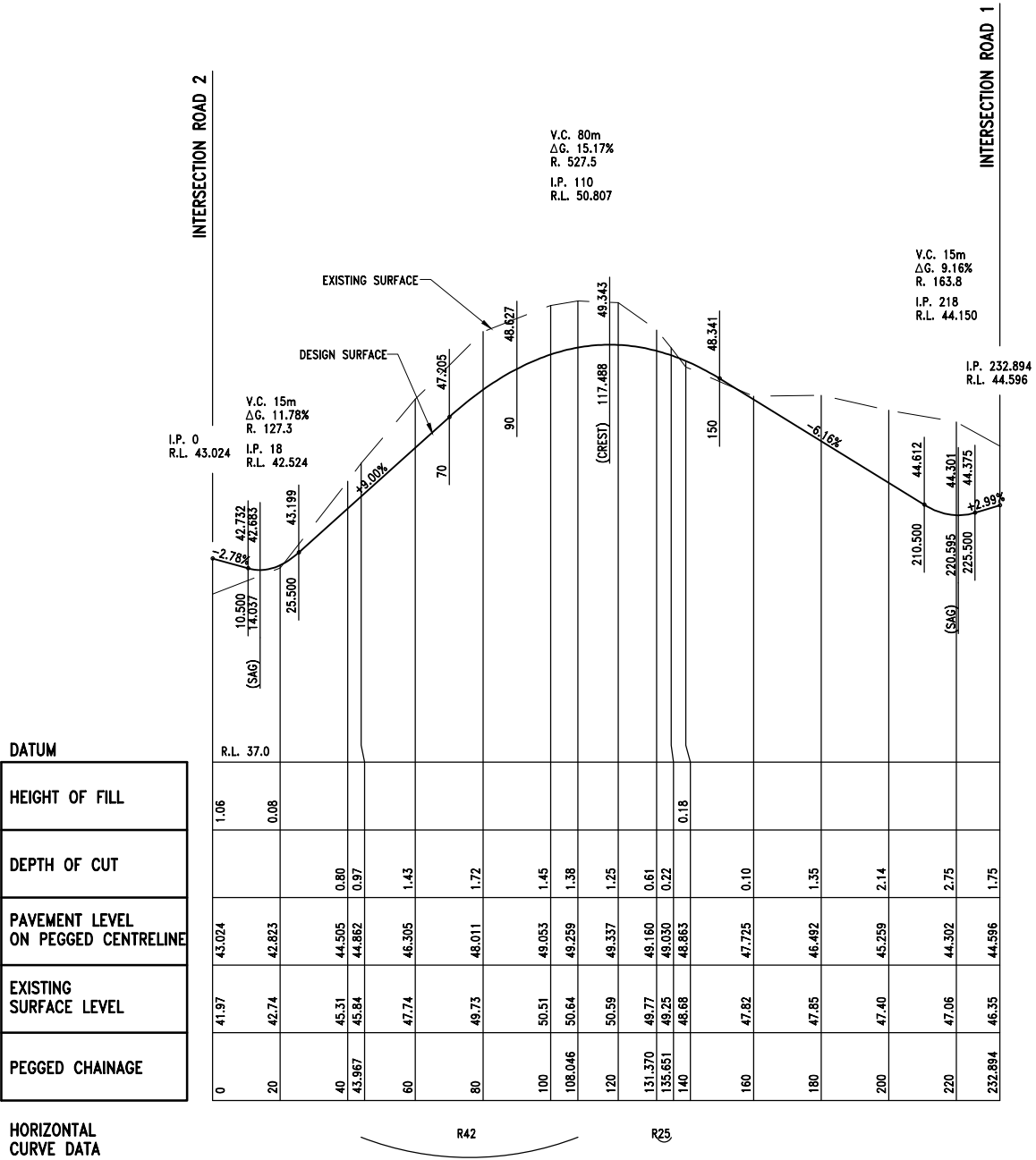
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SHEET 2 OF 2

SK 3597
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TERRANORA PRECINCT 1
ROAD 4
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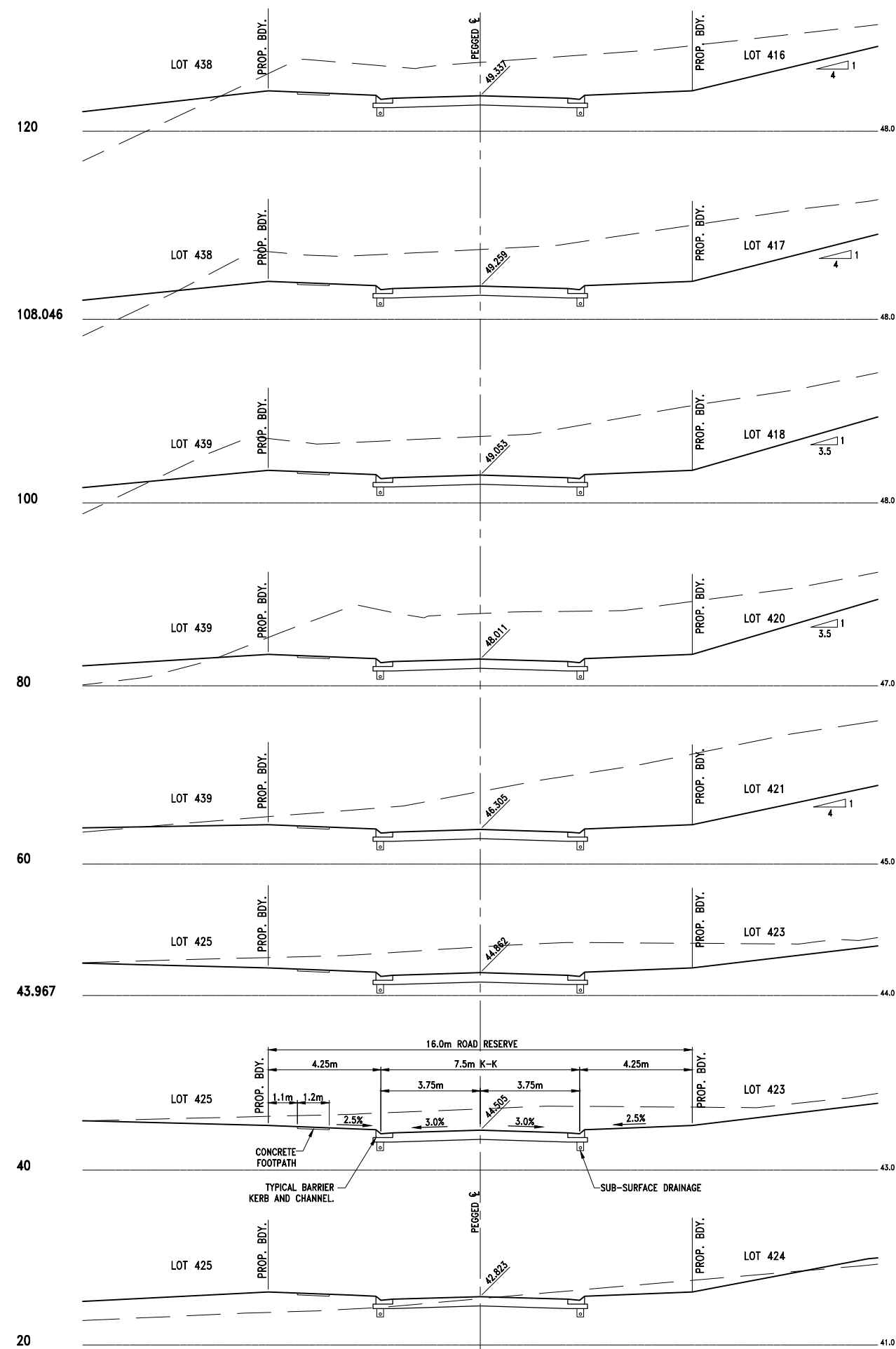
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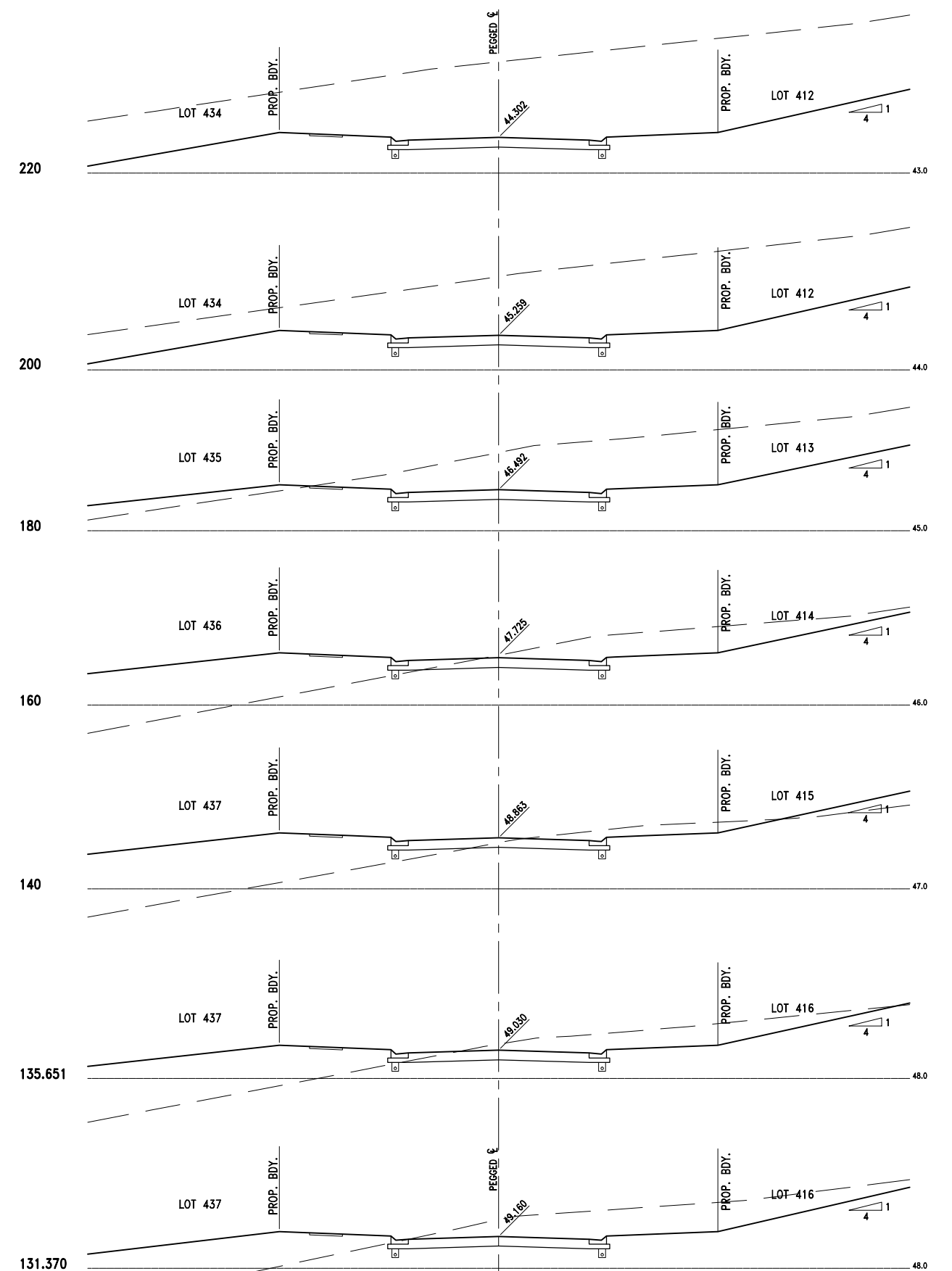
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REG. NO. 253



1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)



NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
ROAD 4
CROSS SECTIONS

09-374
07-01-2013

SK 3599
REVISION B

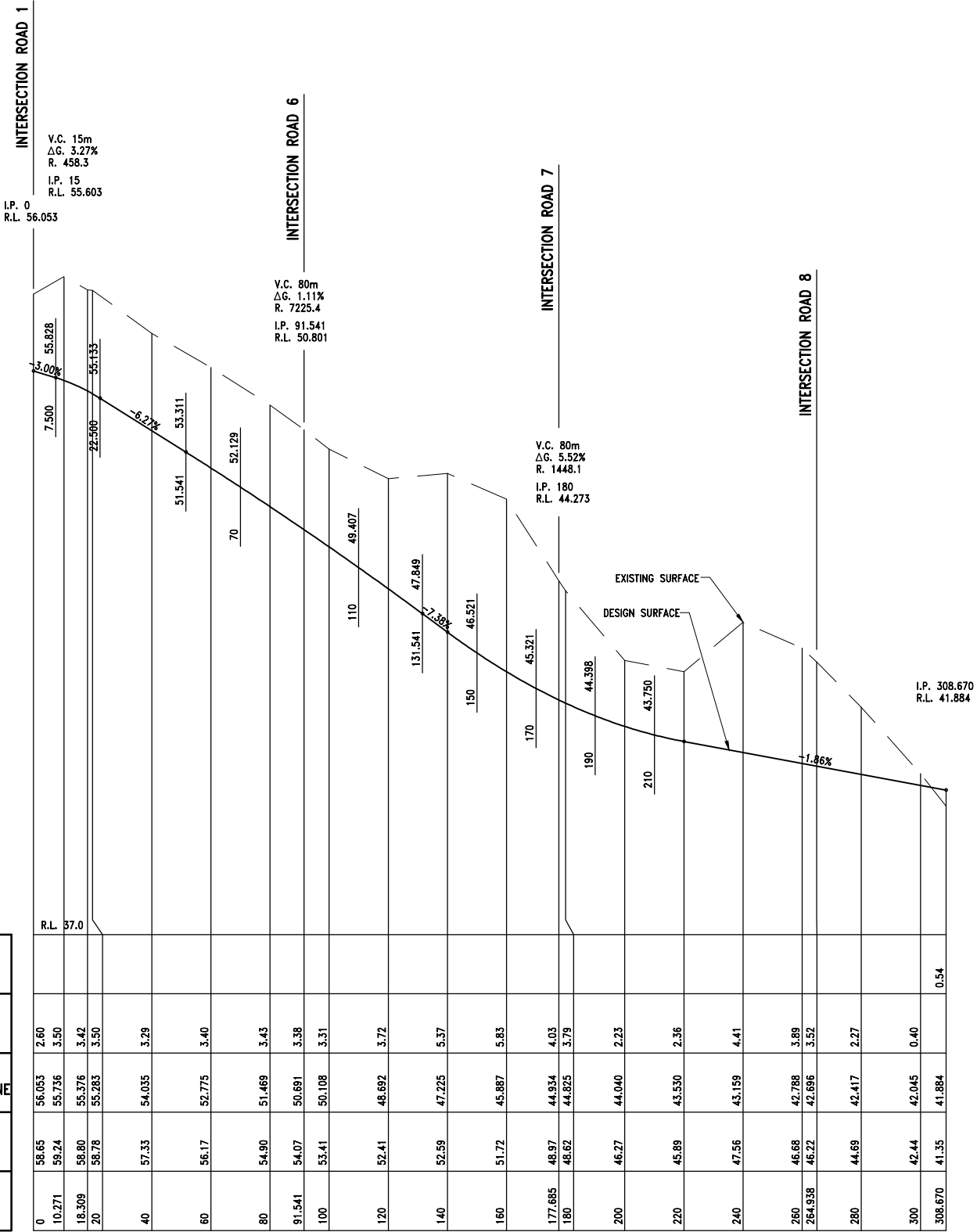
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DATUM				
HEIGHT OF FILL				
DEPTH OF CUT				
PAVEMENT LEVEL ON PEGGED CENTRELINE				
EXISTING SURFACE LEVEL				
PEGGED CHAINAGE				

HORIZONTAL
CURVE DATA



NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
ROAD 5
LONGITUDINAL SECTION

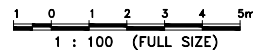
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07-01-2013

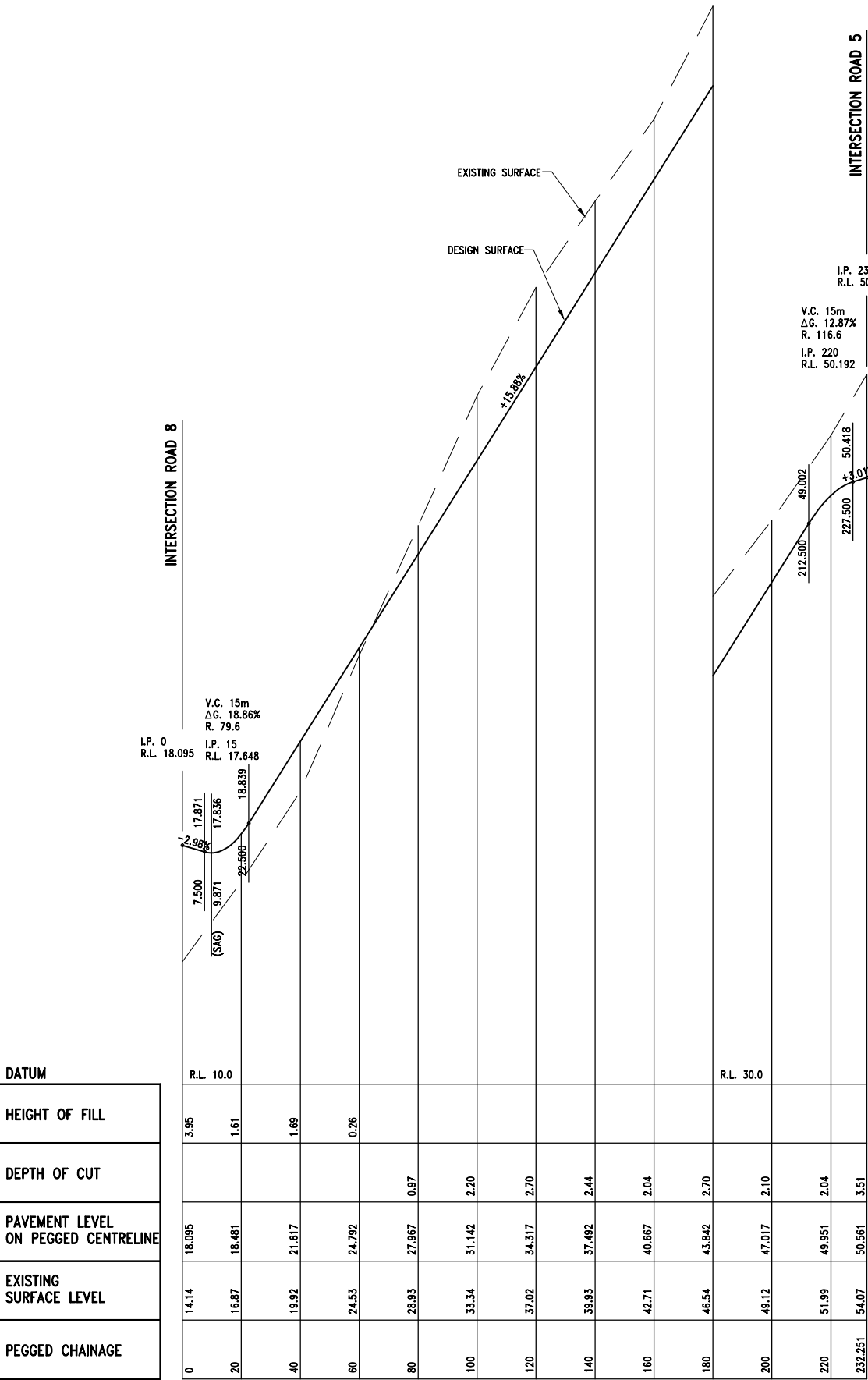
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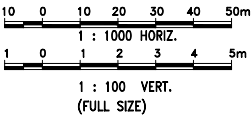
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REG. NO. 253





HORIZONTAL
CURVE DATA



NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
ROAD 6
LONGITUDINAL SECTION

09-374
07-01-2013

SK 3602
REVISION B

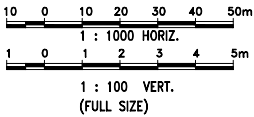
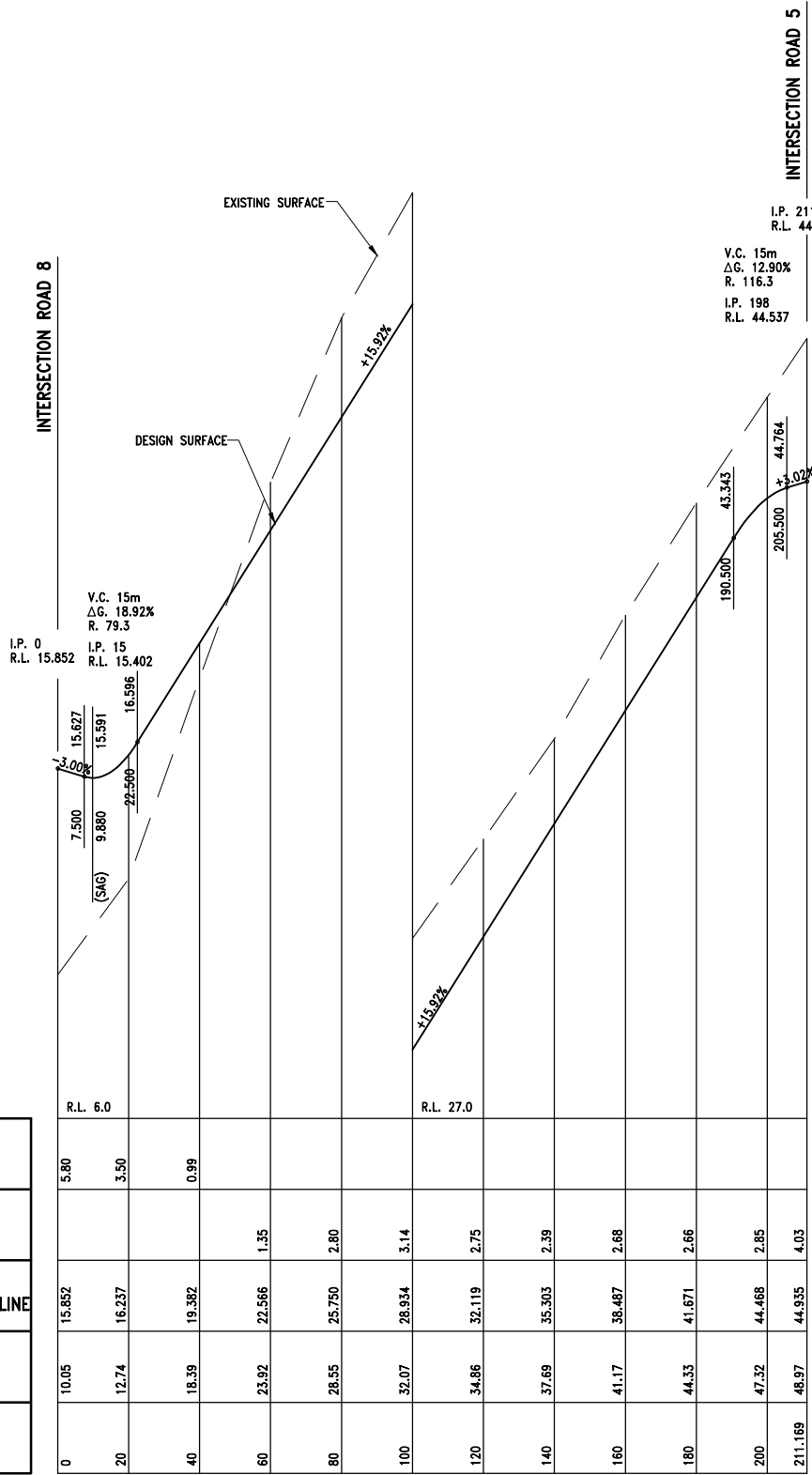
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AS/NZS ISO 9001:2008
REG. NO. 253

DATUM
HEIGHT OF FILL
DEPTH OF CUT
PAVEMENT LEVEL ON PEGGED CENTRELINE
EXISTING SURFACE LEVEL
PEGGED CHAINAGE

HORIZONTAL
CURVE DATA



NEWLAND DEVELOPERS PTY LTD

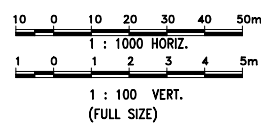
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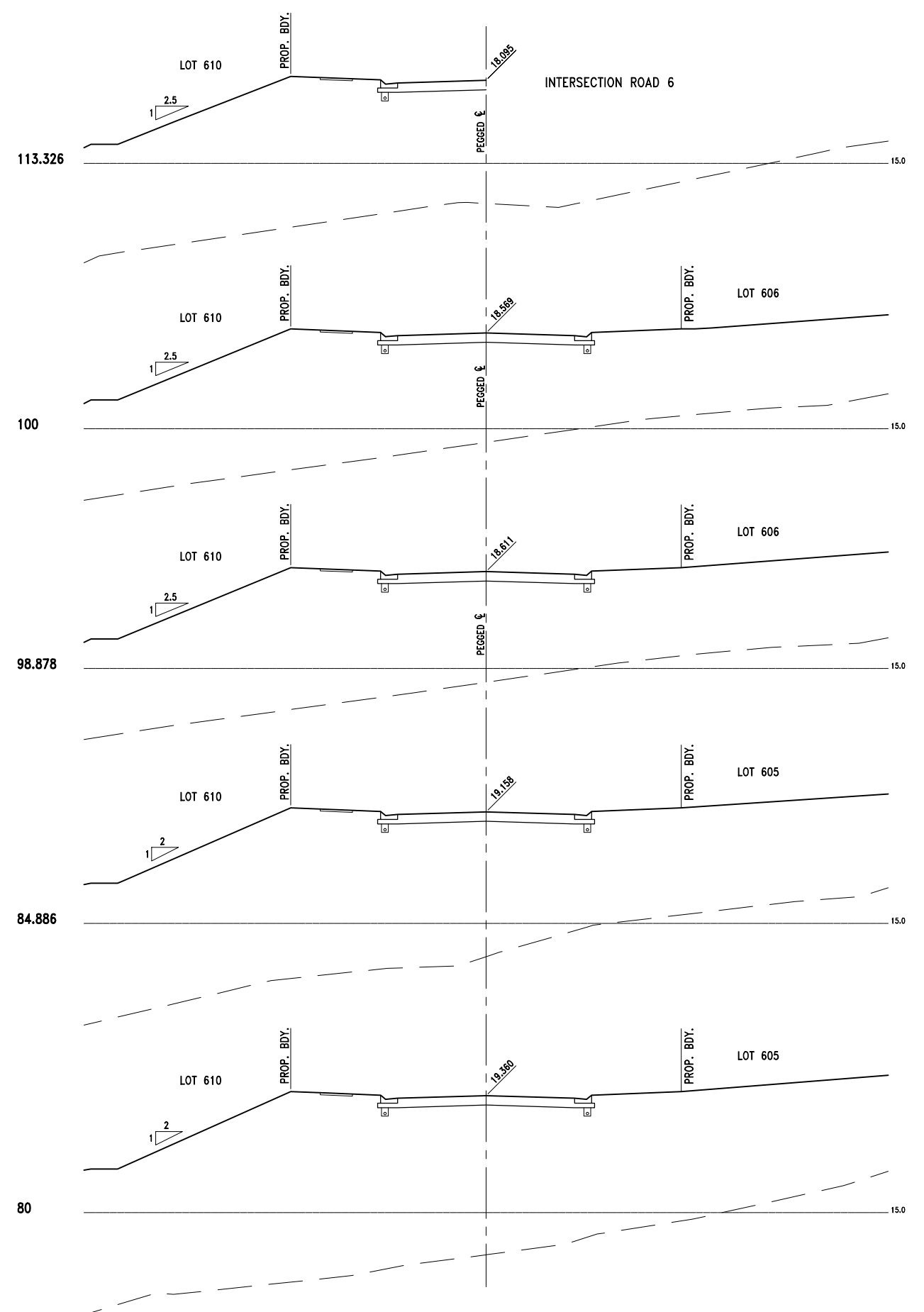
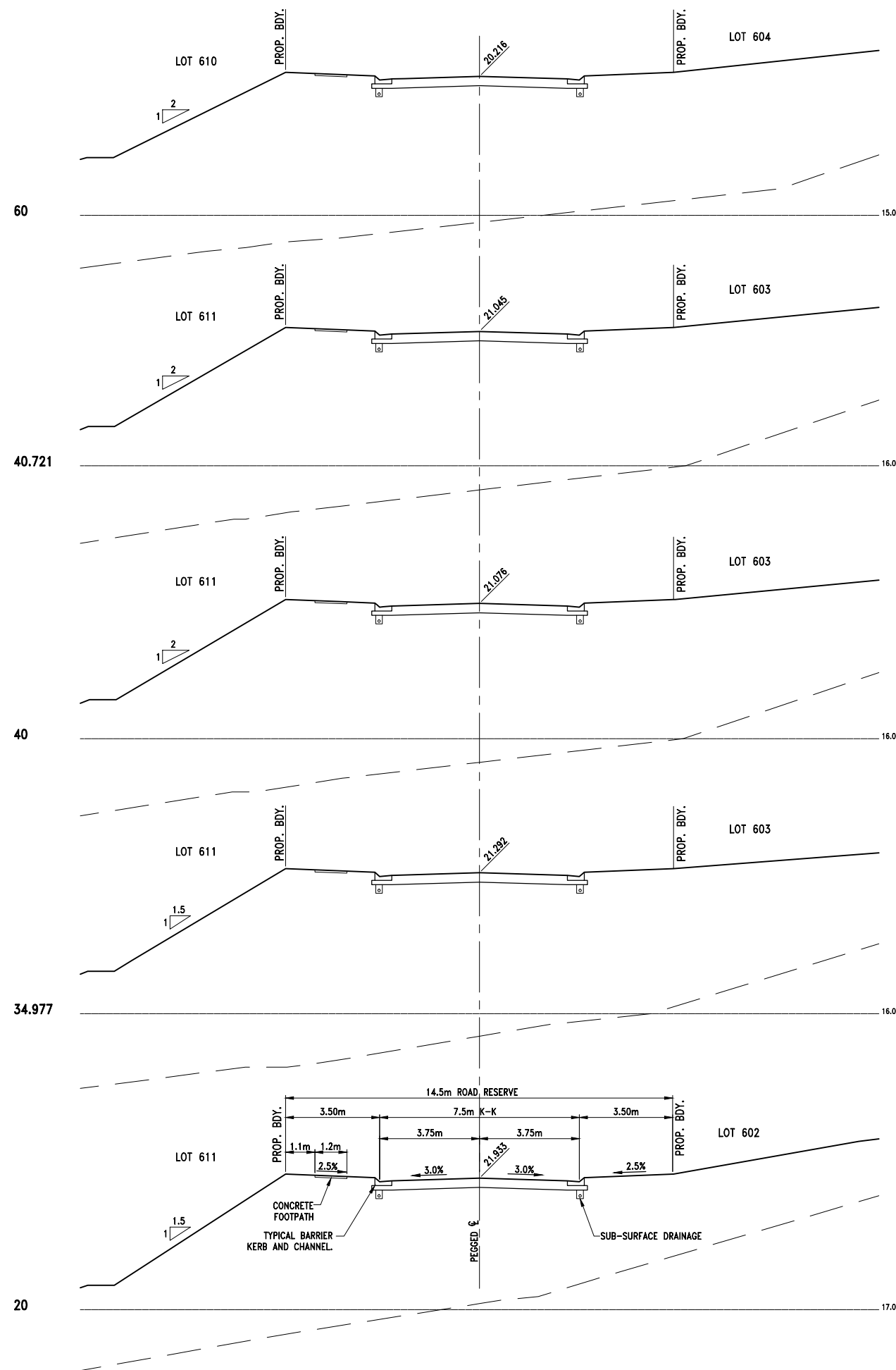
09-374
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NEWLAND DEVELOPERS PTY LTD

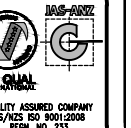
09-374
07-01-2013

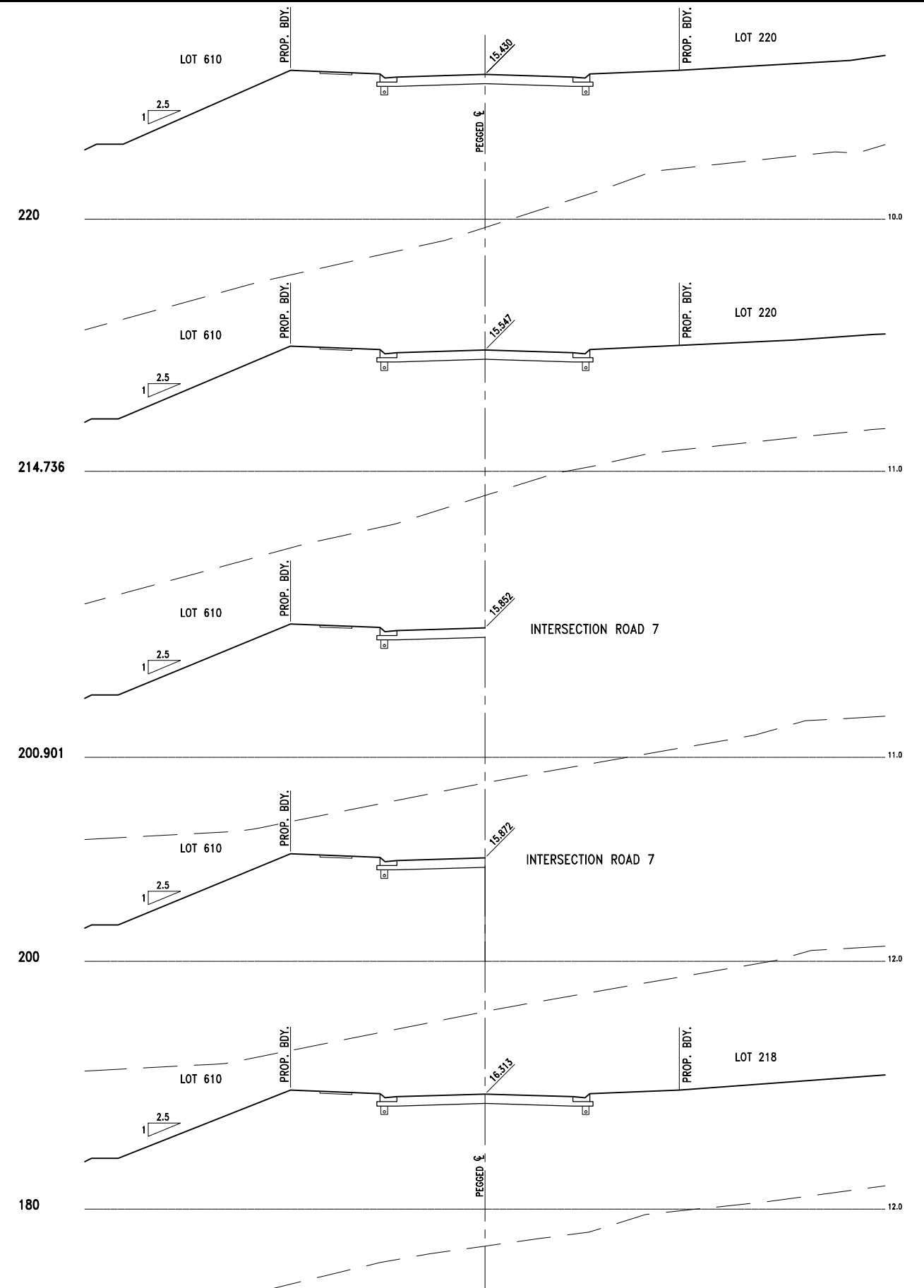
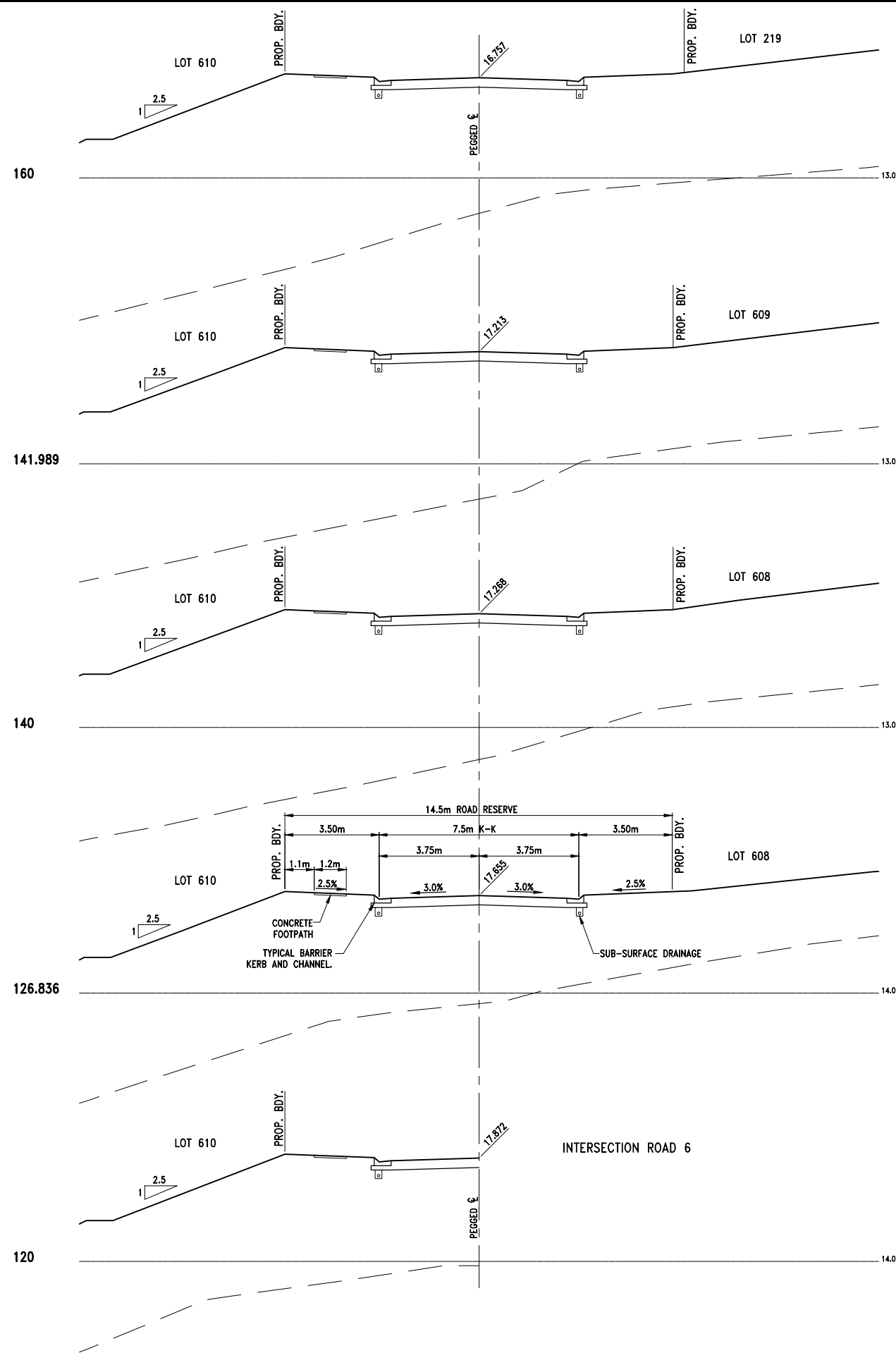
TERRANORA PRECINCT 1
ROAD 8 CROSS SECTIONS
SHEET 1 OF 4

SK 3605
REVISION B

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ABN 29 064 159 191
Ph 07 5528 6411
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Email mail@bradlees.com.au
Postal PO Box 2293, Southport QLD 4215
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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)

NEWLAND DEVELOPERS PTY LTD

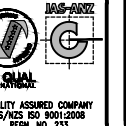
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07-01-2013

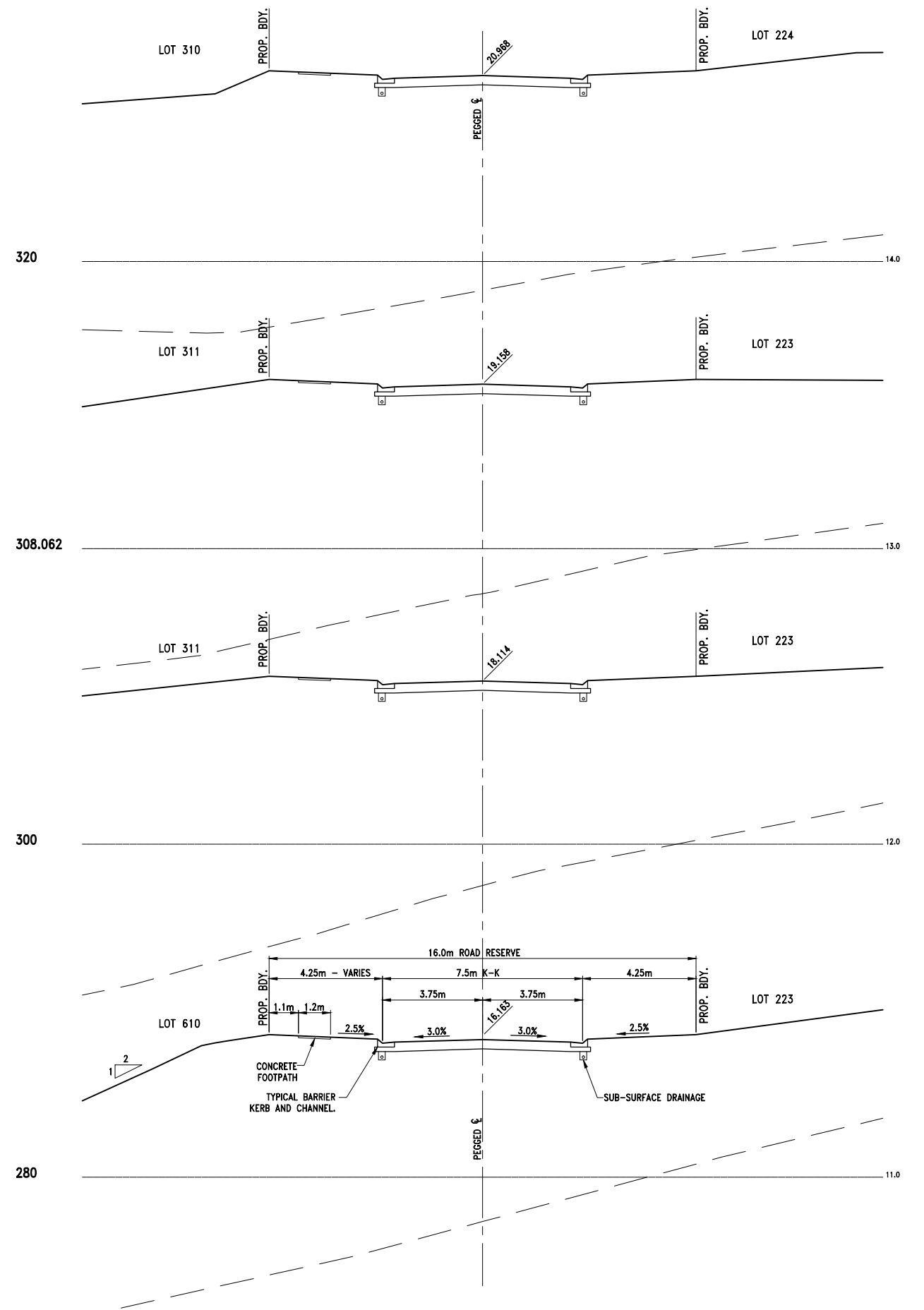
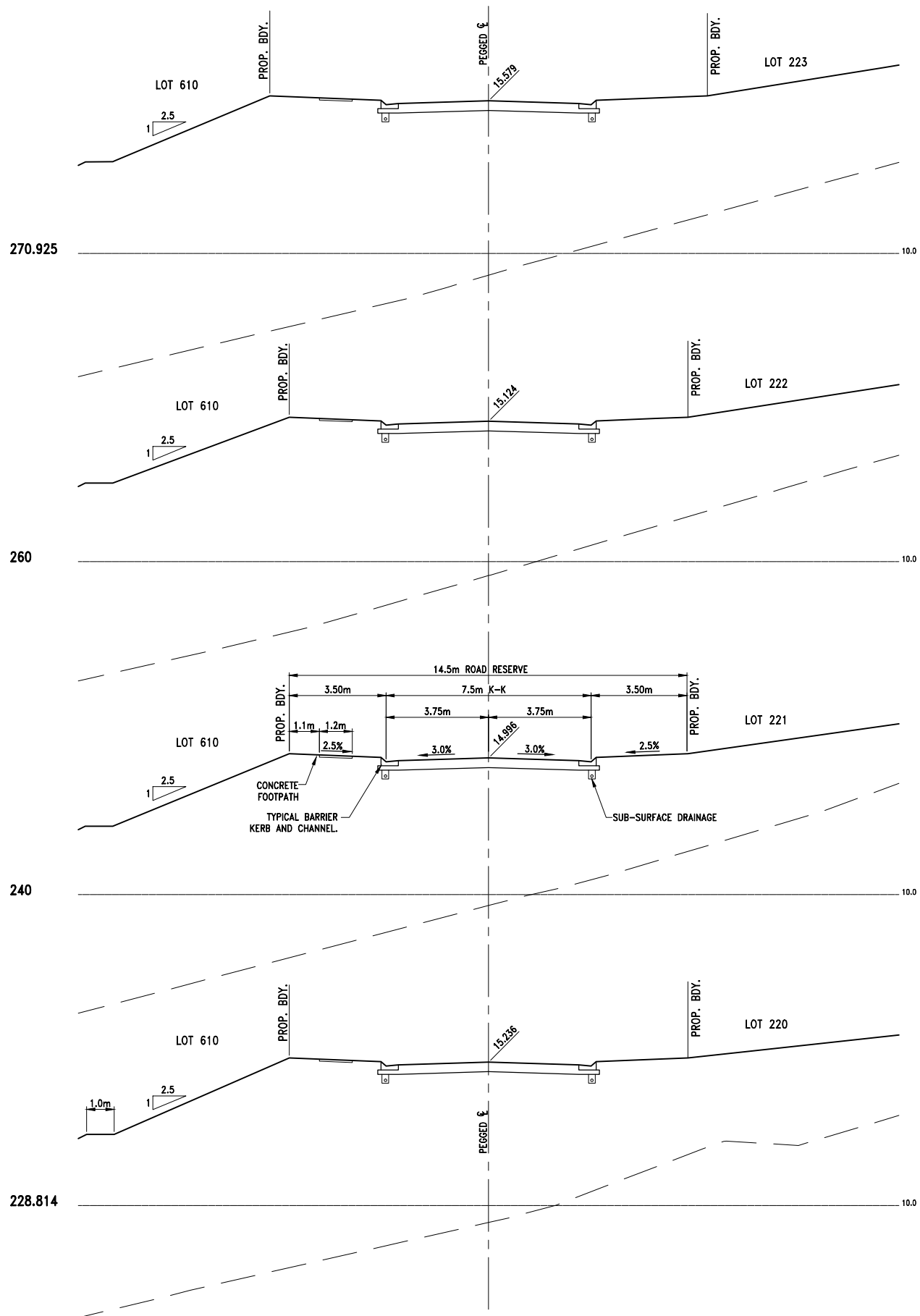
TERRANORA PRECINCT 1
ROAD 8 CROSS SECTIONS
SHEET 2 OF 4

SK 3606
REVISION B

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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)

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09-374
07-01-2013

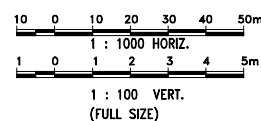
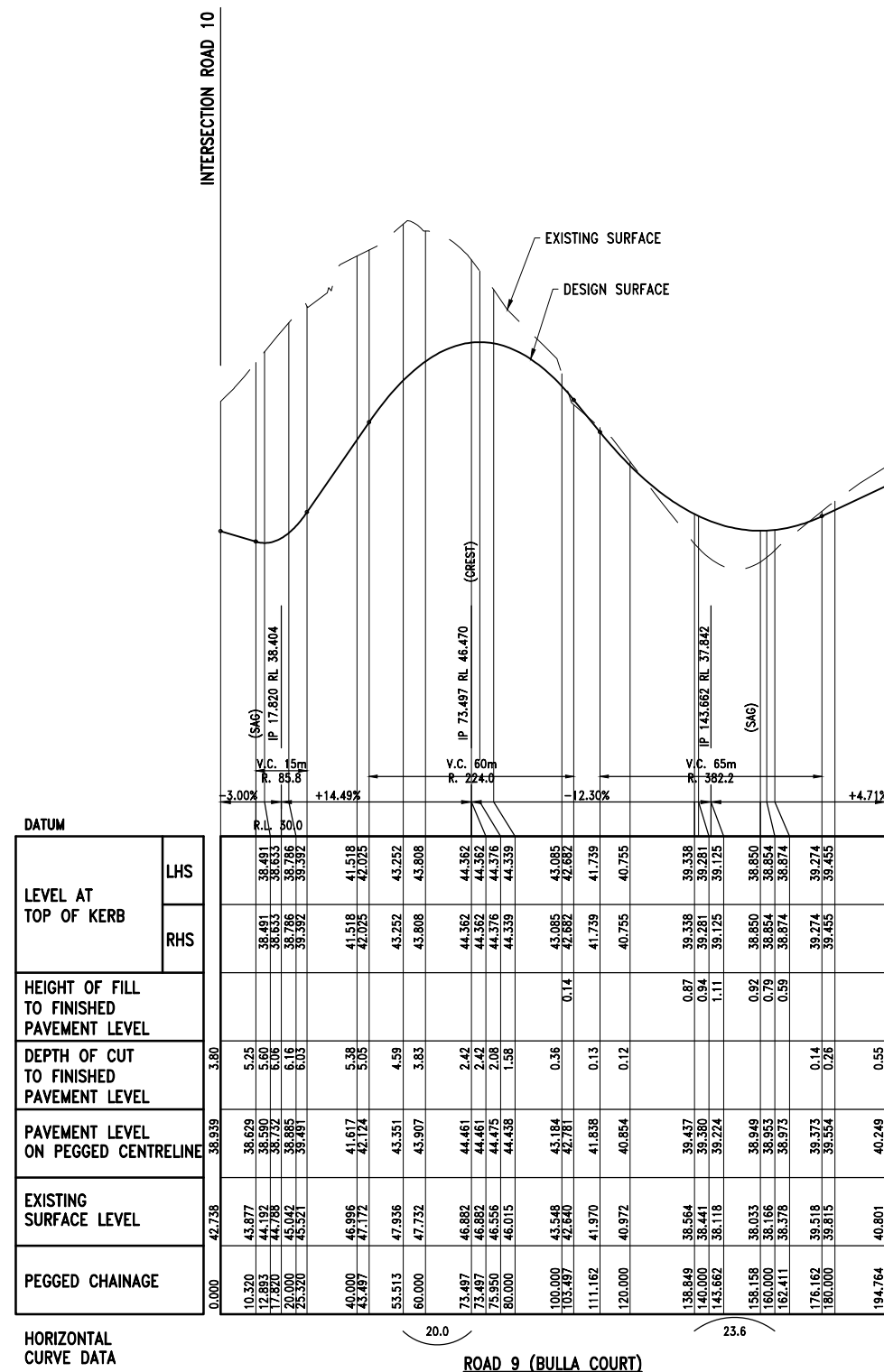
TERRANORA PRECINCT 1
ROAD 8 CROSS SECTIONS
SHEET 3 OF 4

SK 3607
REVISION B

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TERRANORA PRECINCT 1

ROAD 9
LONGITUDINAL SECTION

09-374
09-07-2019

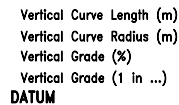
SK 3608
REVISION C

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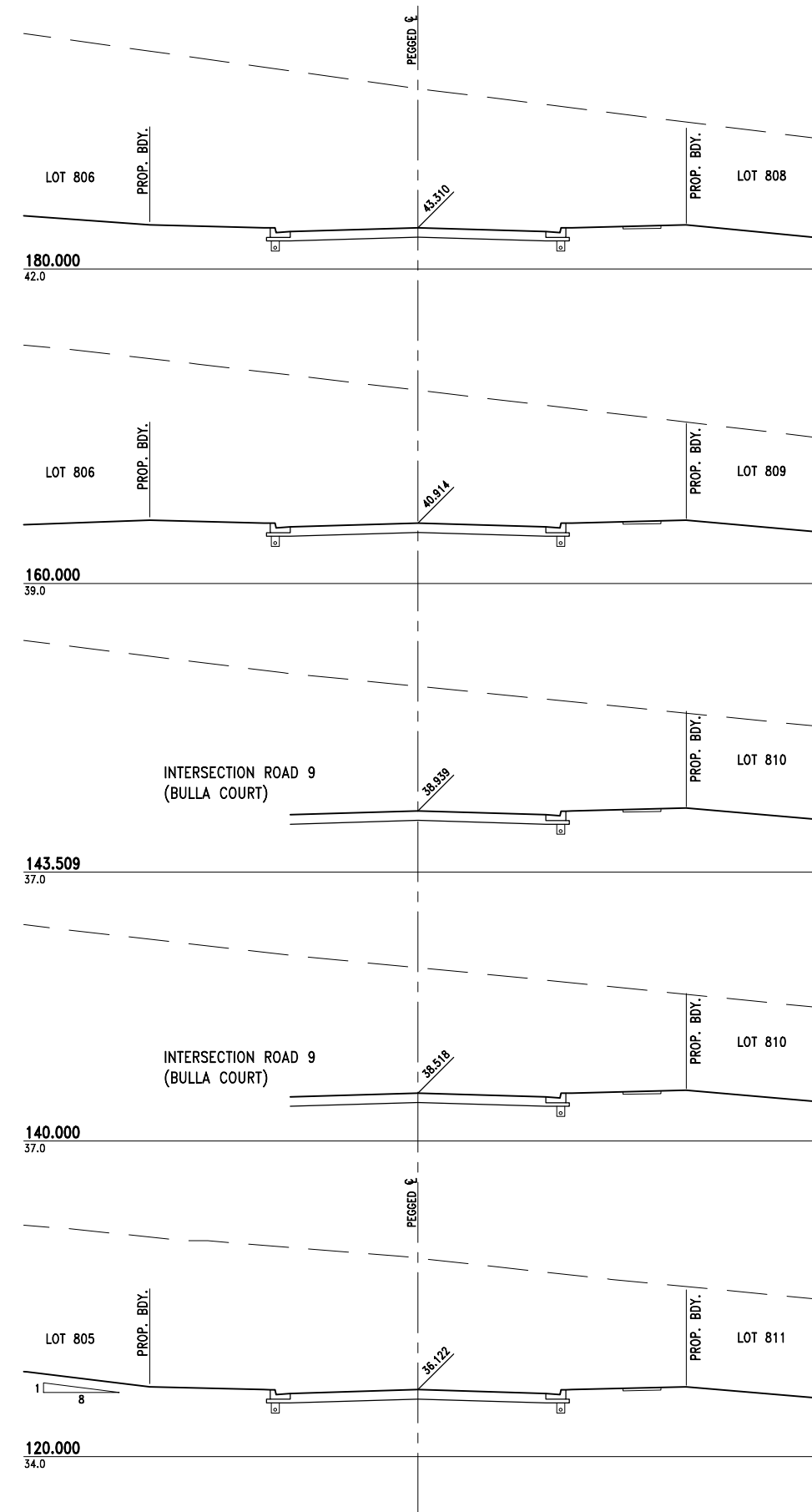
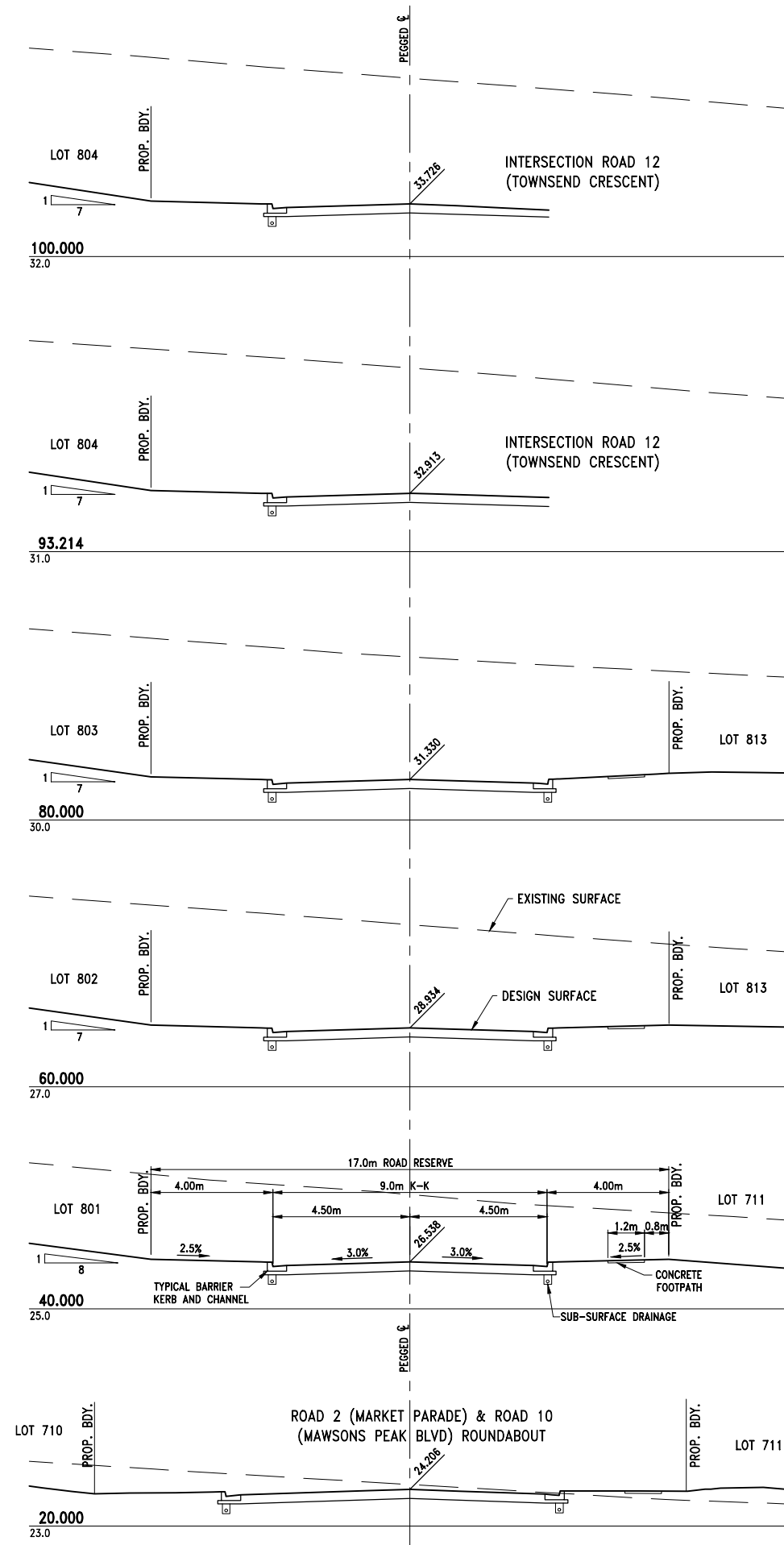


[illegible]

ROAD 10 (PARKES LANE & MAWSON'S PEAK BLVD)



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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)

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09-374
24-07-2018

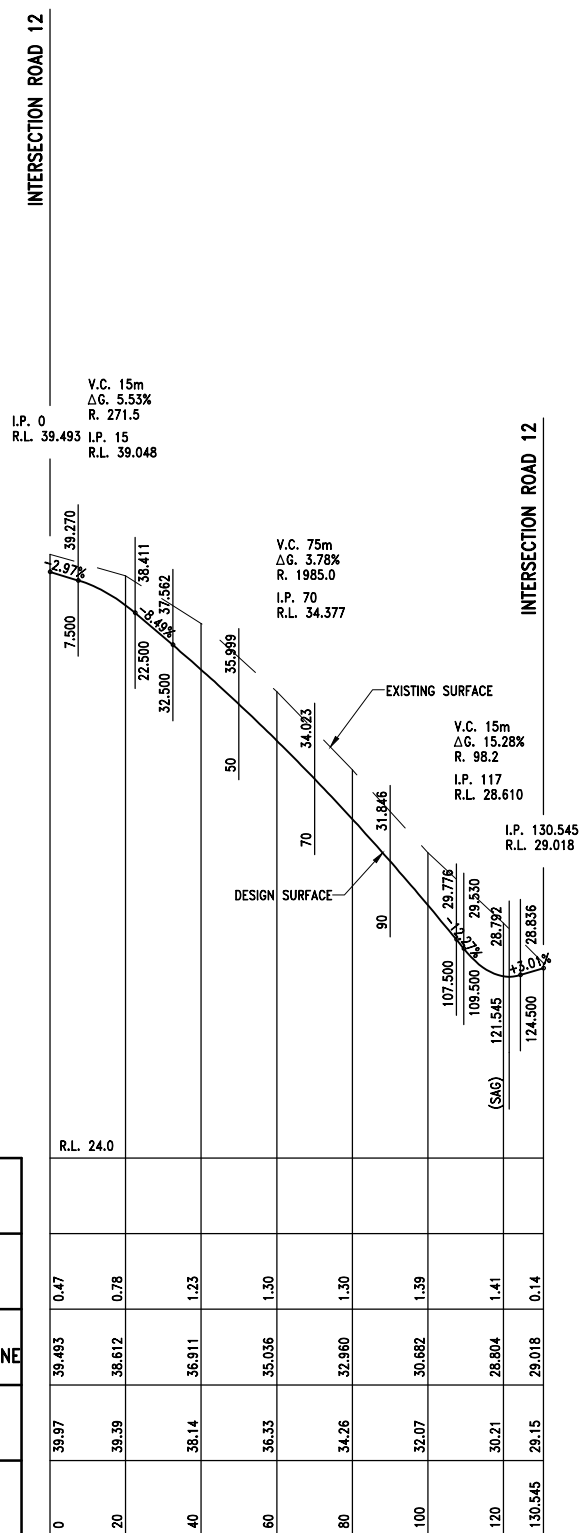
TERRANORA PRECINCT 1
ROAD 10 (MAWSON'S PEAK BLVD)
CROSS SECTIONS - SHEET 1 OF 2

SK 3610
REVISION C

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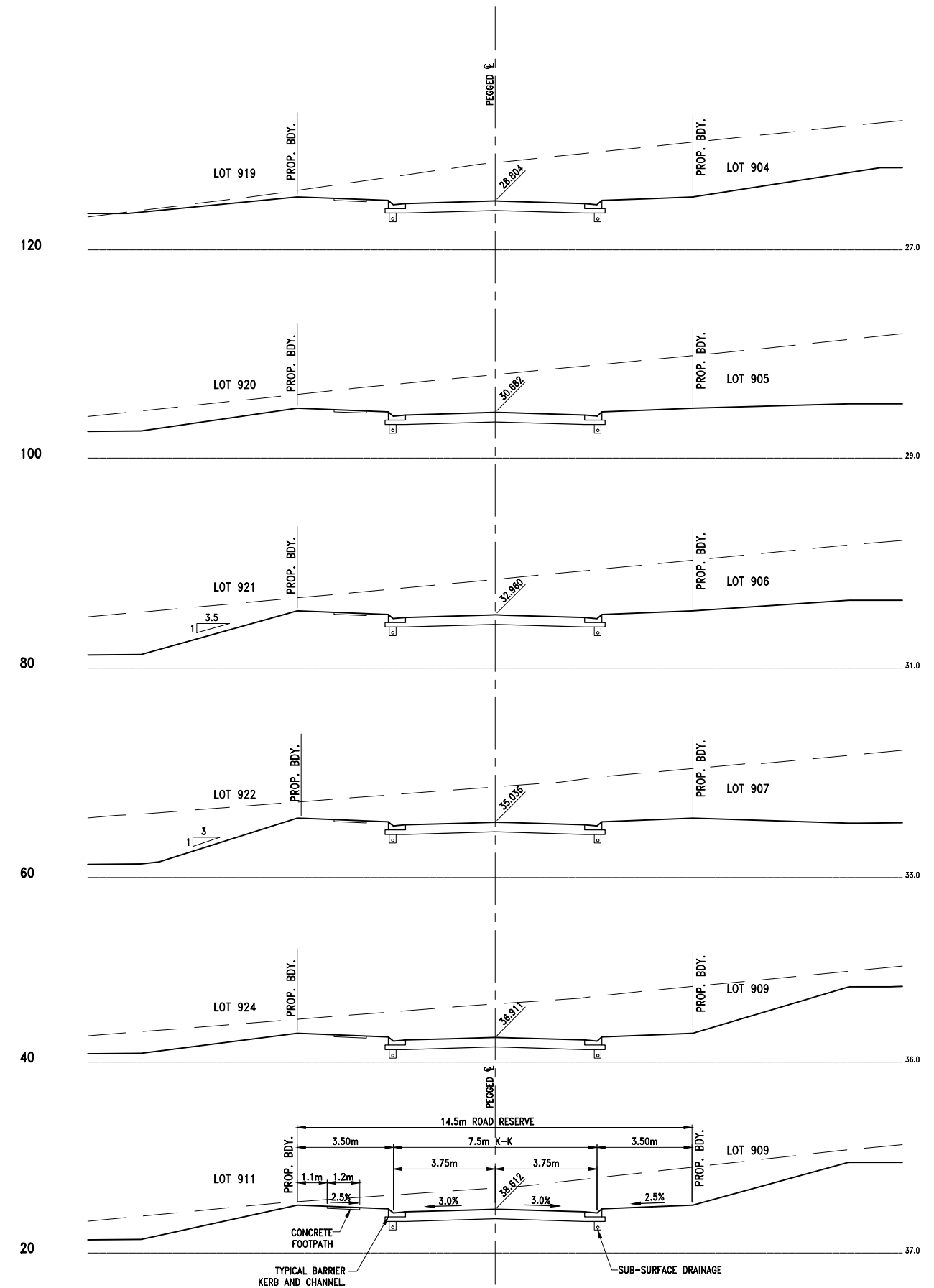
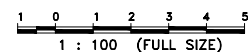
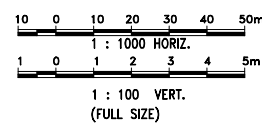
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DATUM	HEIGHT OF FILL	DEPTH OF CUT	PAVEMENT LEVEL ON PEGGED CENTRELINE	EXISTING SURFACE LEVEL	PEGGED CHAINAGE
R.L. 24.0					
0	0.47	0.47	39.493	39.97	0
20	0.78	0.78	38.612	38.39	20
40	1.23	1.23	36.911	38.14	40
60	1.30	1.30	35.036	36.33	60
80	1.30	1.30	32.960	34.26	80
100	1.39	1.39	30.682	32.07	100
120	1.41	1.41	28.804	30.21	120
130.545	0.14	0.14	29.018	28.15	130.545

HORIZONTAL
CURVE DATA



NEWLAND DEVELOPERS PTY LTD

09-374
07-01-2013

TERRANORA PRECINCT 1
ROAD 11 LONGITUDINAL AND
CROSS SECTIONS

SK 3612
REVISION B

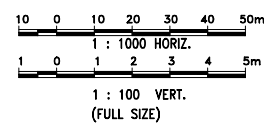
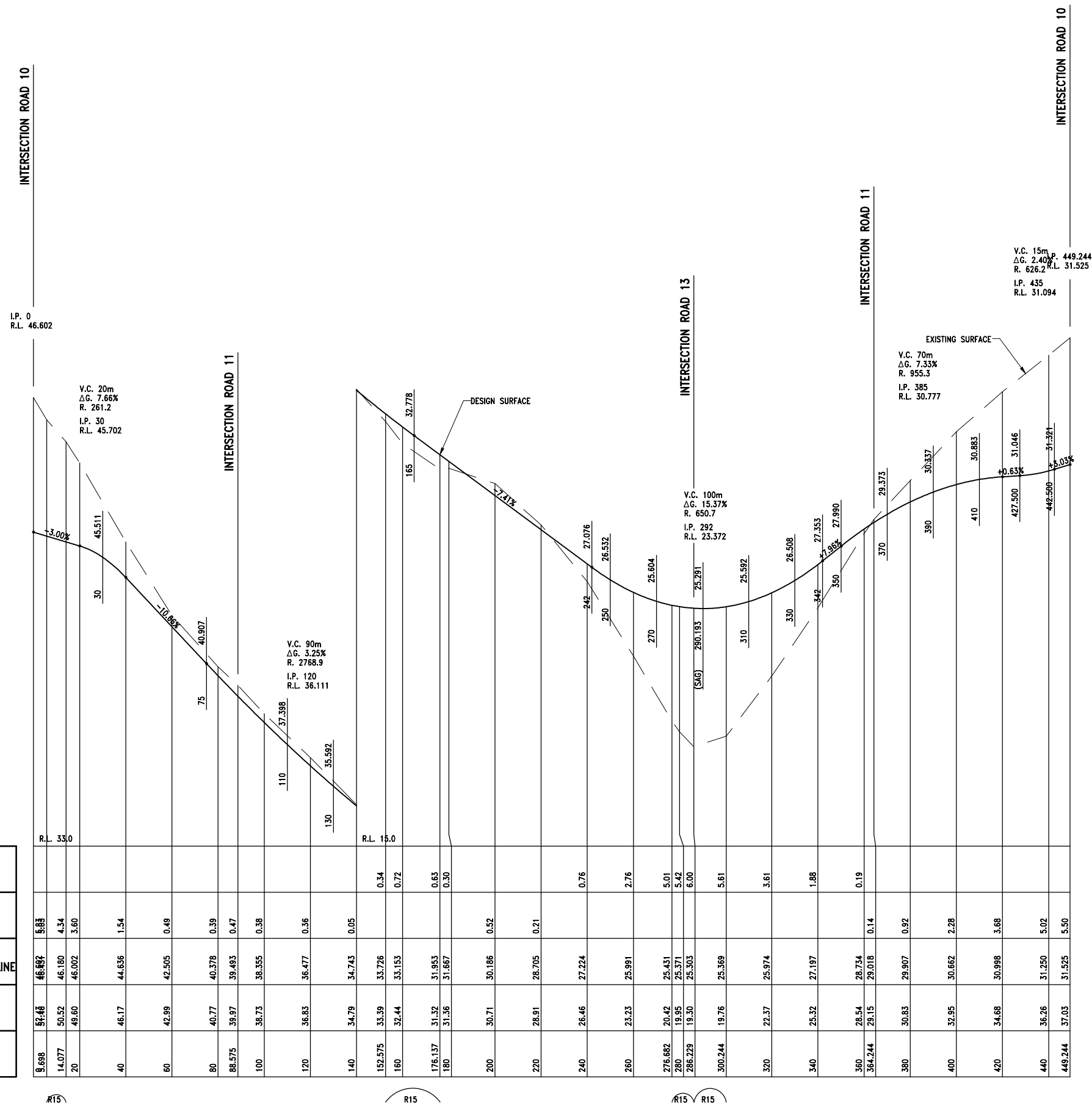
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DATUM				
HEIGHT OF FILL				
DEPTH OF CUT				
PAVEMENT LEVEL ON PEGGED CENTRELINE				
EXISTING SURFACE LEVEL				
PEGGED CHAINAGE				

HORIZONTAL
CURVE DATA



NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
ROAD 12
LONGITUDINAL SECTION

09-374
07-01-2013

SK 3613
REVISION B

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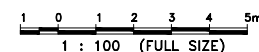
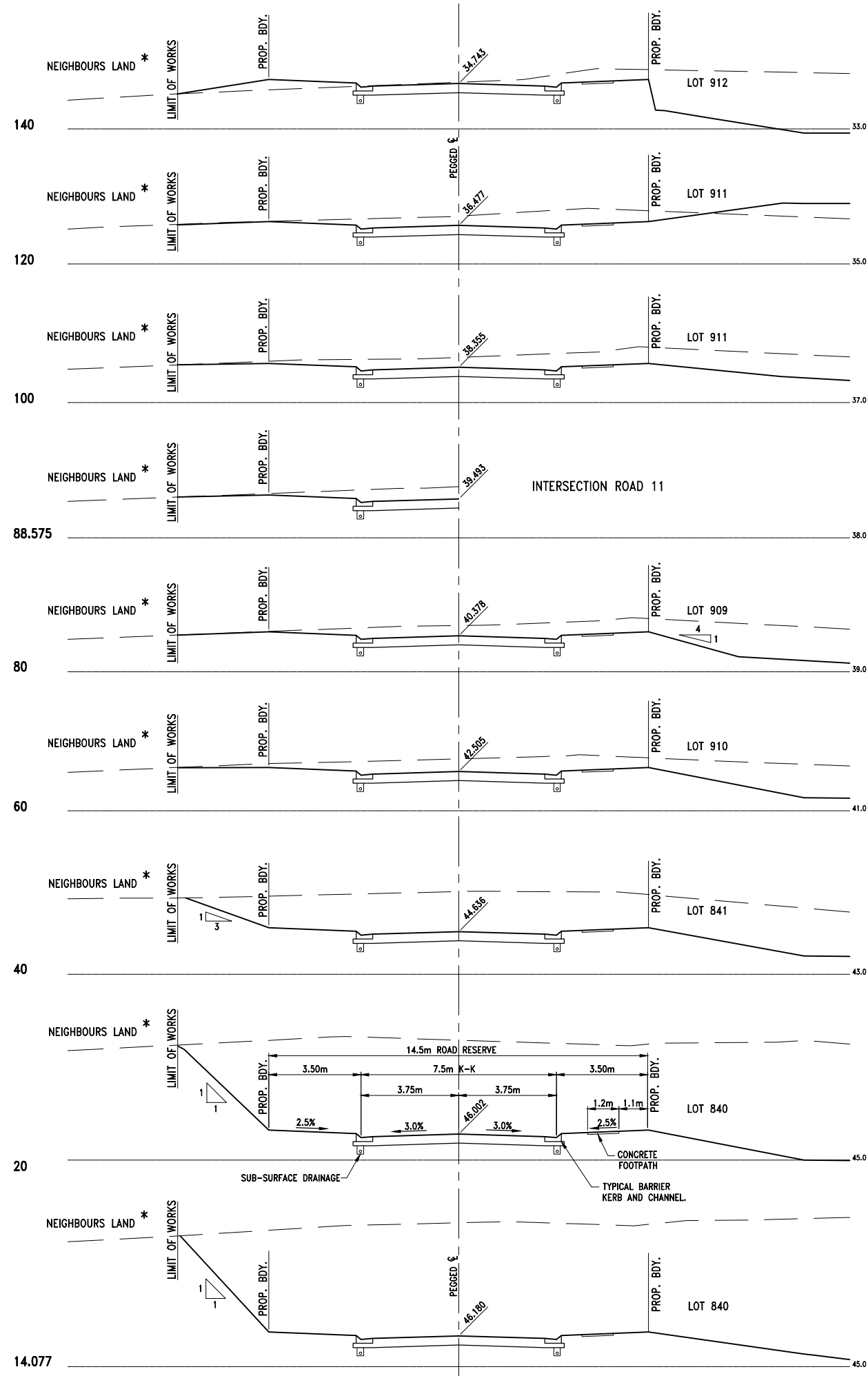
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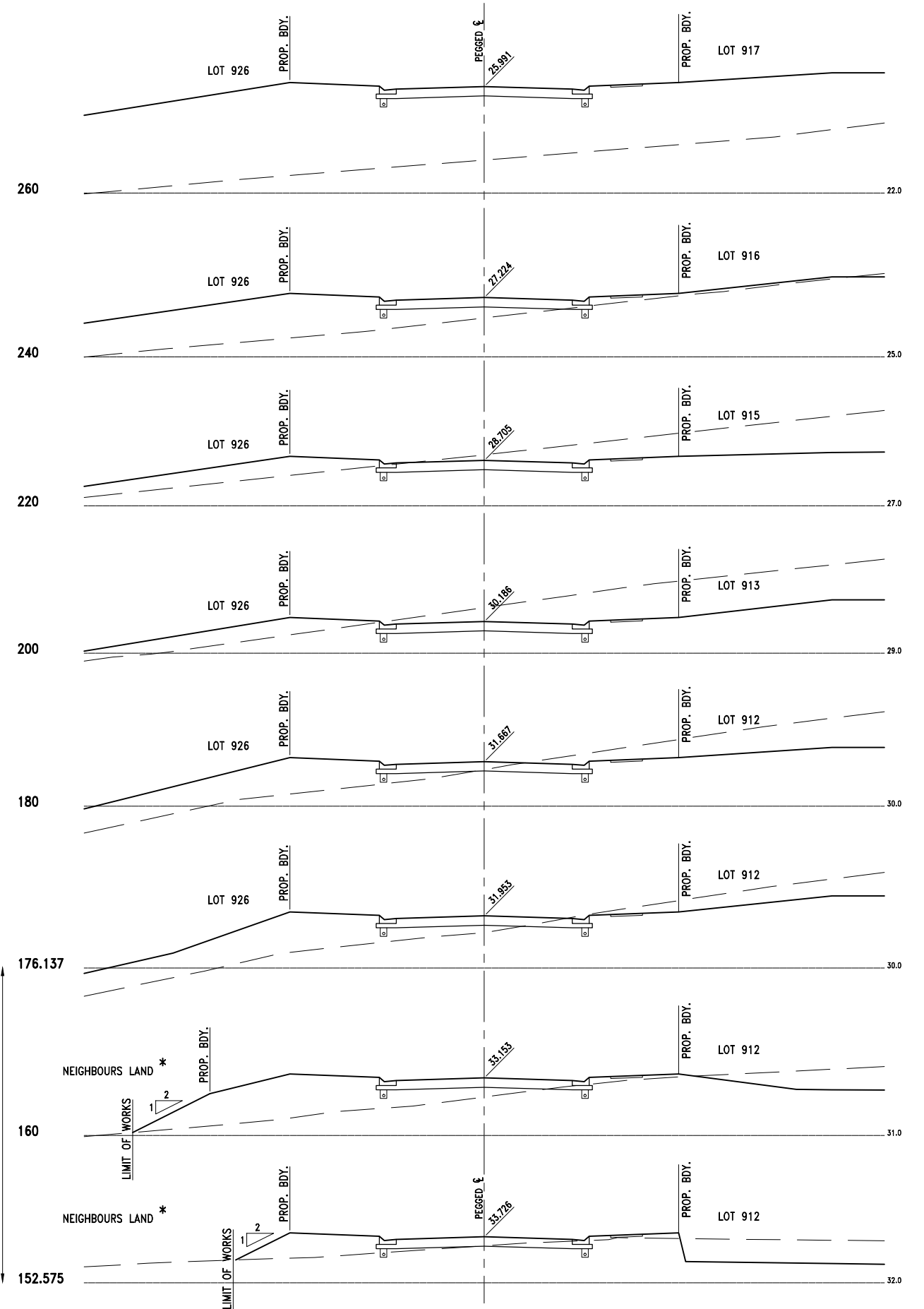


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REG. NO. 253

* BATTER TO EXISTING NEIGHBOURS LAND AT OWNERS CONSENT



* BATTER TO EXISTING NEIGHBOURS LAND AT OWNERS CONSENT



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07-01-2013

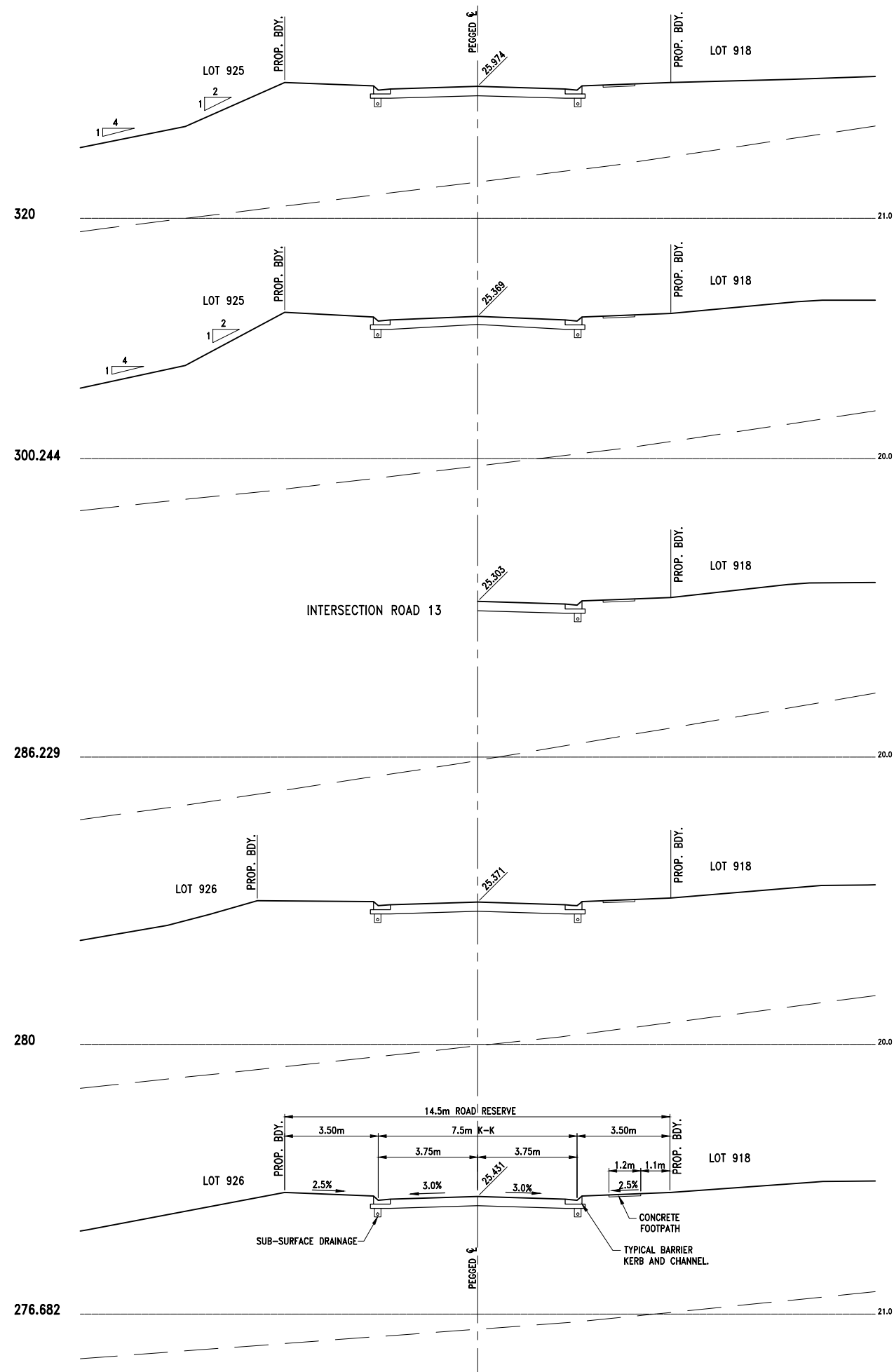
TERRANORA PRECINCT 1
ROAD 12 CROSS SECTIONS
SHEET 1 OF 2

SK 3614
REVISION B

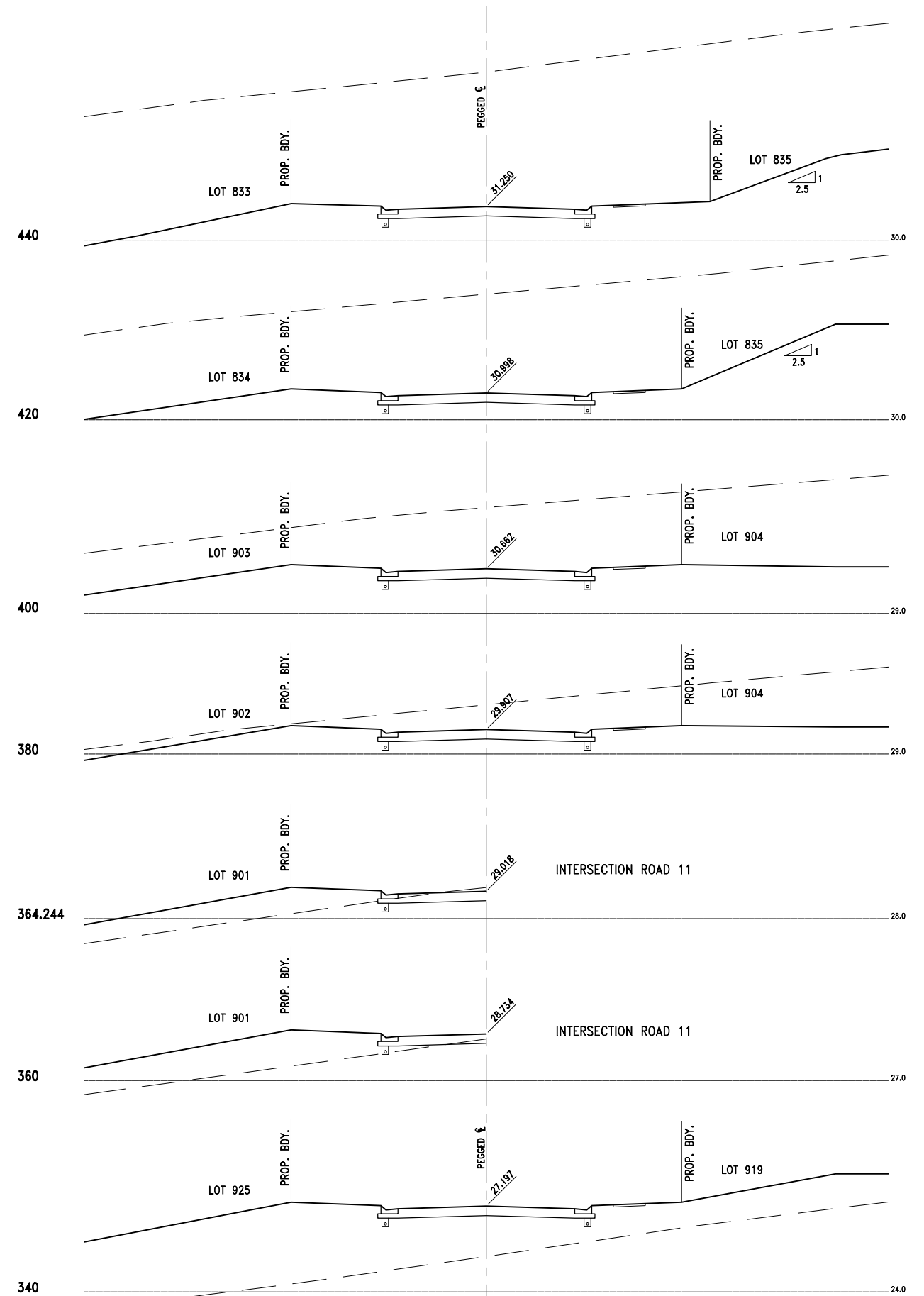
Bradford Lees Pty Ltd
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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE)



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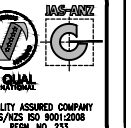
TERRANORA PRECINCT 1
ROAD 12 CROSS SECTIONS
SHEET 2 OF 2

09-374
07-01-2013

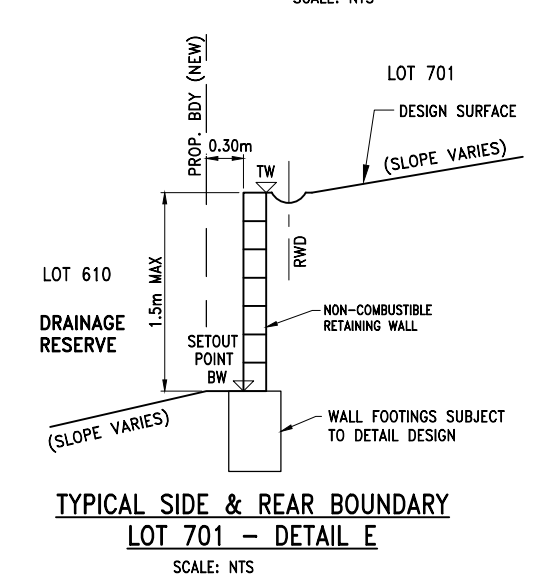
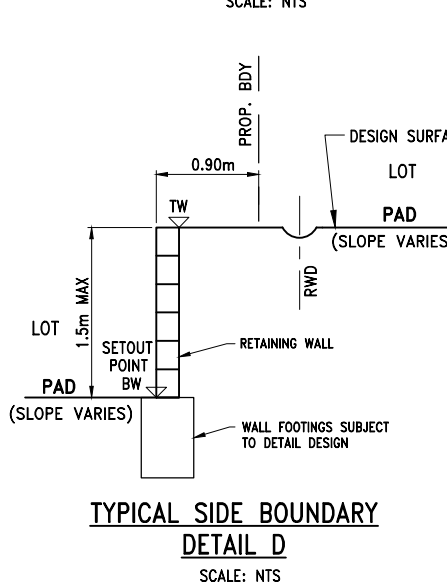
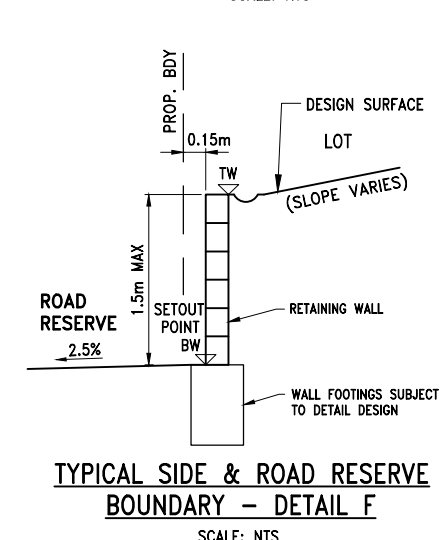
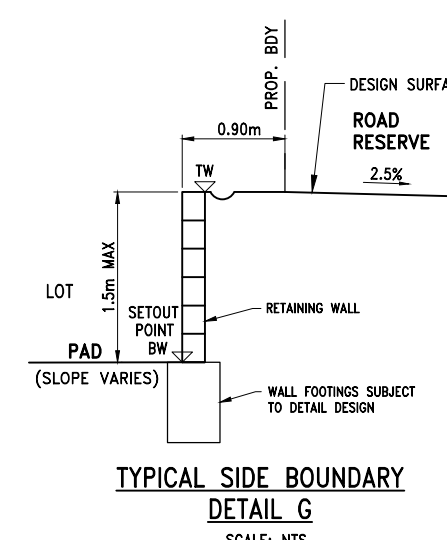
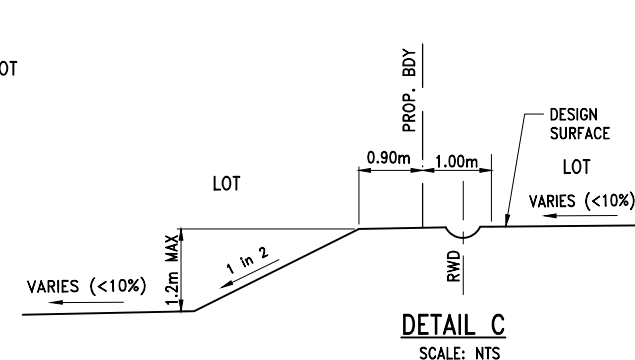
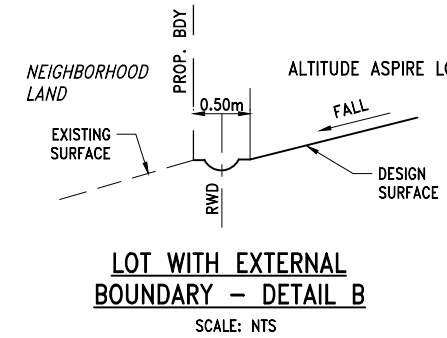
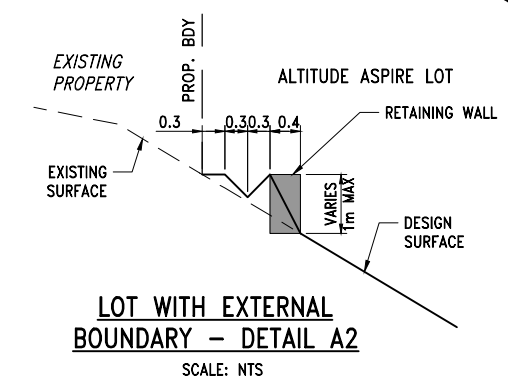
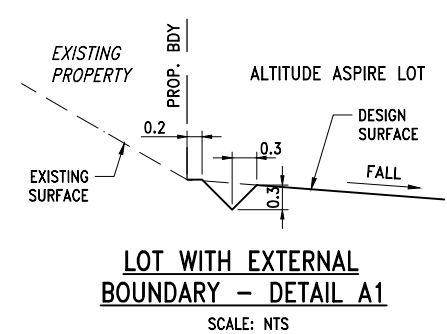
SK 3615
REVISION B

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REG. NO. 253



- LEGEND**
- 15 FINISHED SURFACE CONTOURS
 - LIMITS OF EARTHWORKS
 - WALL 1.5m HIGH (MAX)
 - WALL 1m HIGH (MAX)

NTS

NEWLAND DEVELOPERS PTY LTD

09-374
26-03-2019

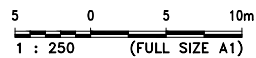
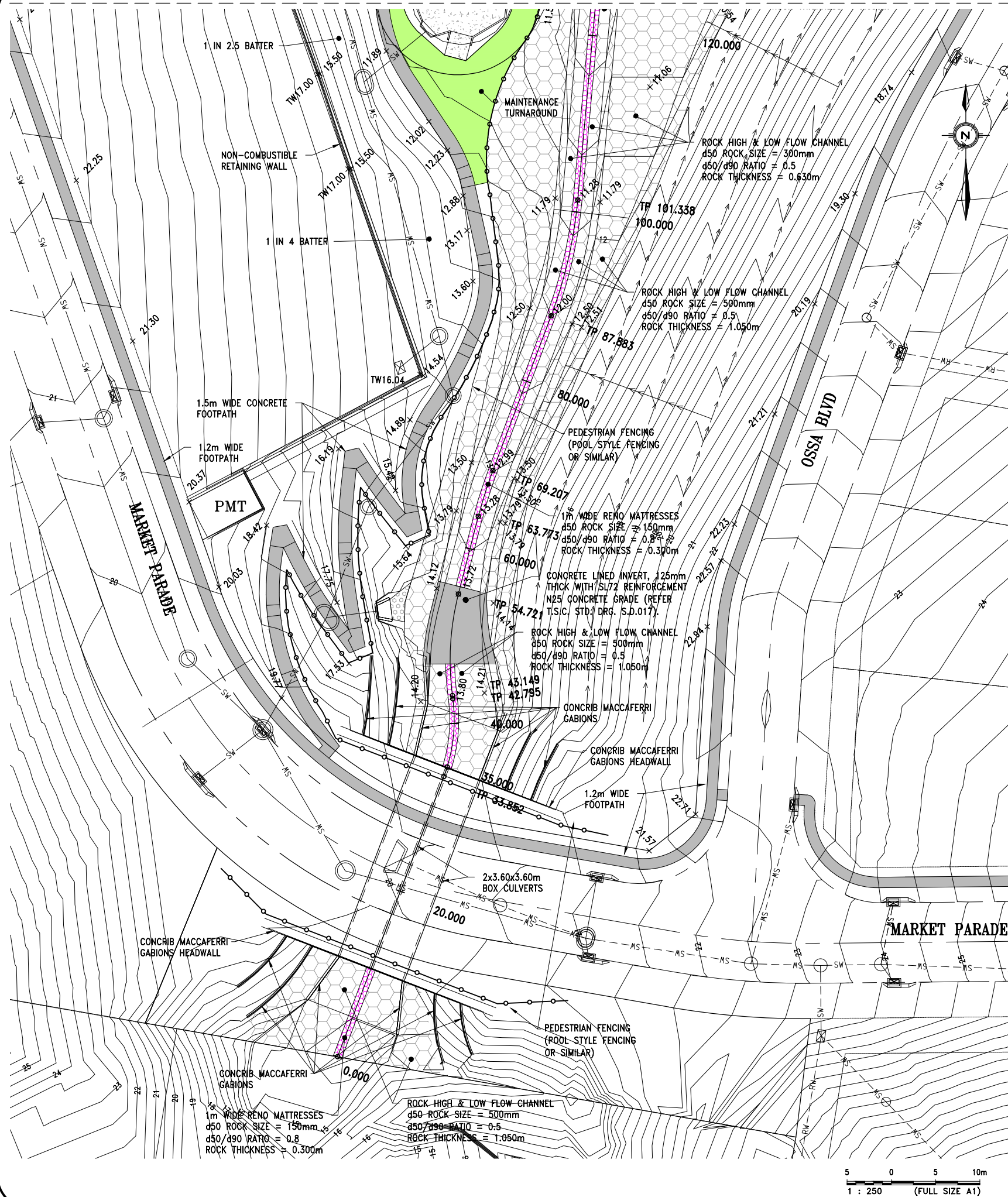
TERRANORA PRECINCT 1
RETAINING WALL
LAYOUT

SK 3617
REVISION H

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TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE PLAN
SHEET 1 OF 3

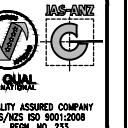
09-374
26-03-2019

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REVISION H

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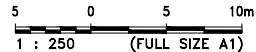
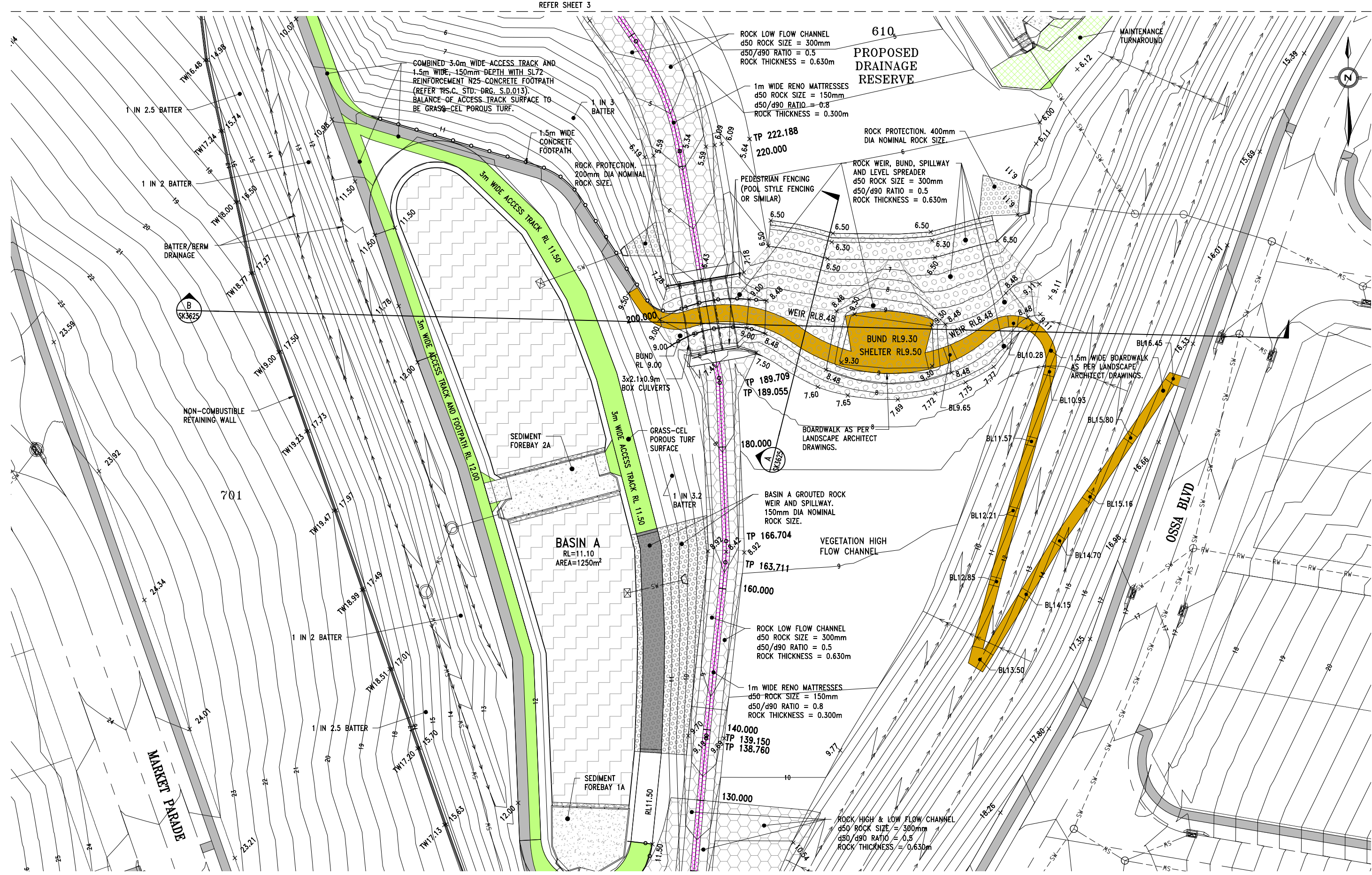
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REFER SHEET 3

REFER SHEET 1



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TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE PLAN
SHEET 2 OF 3

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PROPOSED DRAINAGE RESERVE

EXISTING TEMPORARY 7 x Ø1050 CULVERT
TO BE REMOVED DURING CONSTRUCTION
OF BROADWATER PARKWAY EARTHWORKS
AND NEW 6x1.5x1.2m BOX CULVERTS.
TIMING OF THESE WORKS SUBJECT TO
AGREEMENT WITH TWEED SHIRE COUNCIL.

FUTURE 6x1.5x1.2m
BOX CULVERTS

PEDESTRIAN FENCING
(POOL STYLE FENCING
OR SIMILAR)

BROADWATER PARKWAY (FUTURE)

713
PROPOSED
PUBLIC
RESERVE

COMBINED 3m WIDE
ACCESS TRACK AND
1.5m WIDE CONCRETE
FOOTPATH

1.5m WIDE
CONCRETE
FOOTPATH

BASIN C
RL=2.90
AREA=798m²

SEDIMENT
FOREBAY 1C

BASIN C GROUTED ROCK
WEIR AND SPILLWAY.
150mm DIA NOMINAL
ROCK SIZE.

1m WIDE RENO MATTRESSES
d50 ROCK SIZE = 150mm
d50/d90 RATIO = 0.8
ROCK THICKNESS = 0.300m

1 IN 2 BATTER

ROCK PROTECTION,
200mm DIA NOMINAL
ROCK SIZE.

BASIN B GROUTED ROCK WEIR
AND SPILLWAY. 150mm DIA
NOMINAL ROCK SIZE.

BASIN B
RL=4.88
AREA=830m²

SEDIMENT
FOREBAY 2B

GROUTED ROCK PITCHING.
REFER LANDSCAPE ARCHITECT
DRAWINGS FOR DETAILS.

BASIN C GROUTED ROCK
WEIR AND SPILLWAY.
150mm DIA NOMINAL
ROCK SIZE.

VEGETATION HIGH
FLOW CHANNEL

610
PROPOSED
DRAINAGE
RESERVE

ROCK LOW FLOW CHANNEL
d50 ROCK SIZE = 300mm
d50/d90 RATIO = 0.5
ROCK THICKNESS = 0.630m

1 IN 2 BATTER

GRASS-CEL POROUS
TURF SURFACE

SEDIMENT
FOREBAY 3B

OSSA BLVD

REFER SHEET 2

5 0 5 10m
1 : 250 (FULL SIZE A1)

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26-03-2019

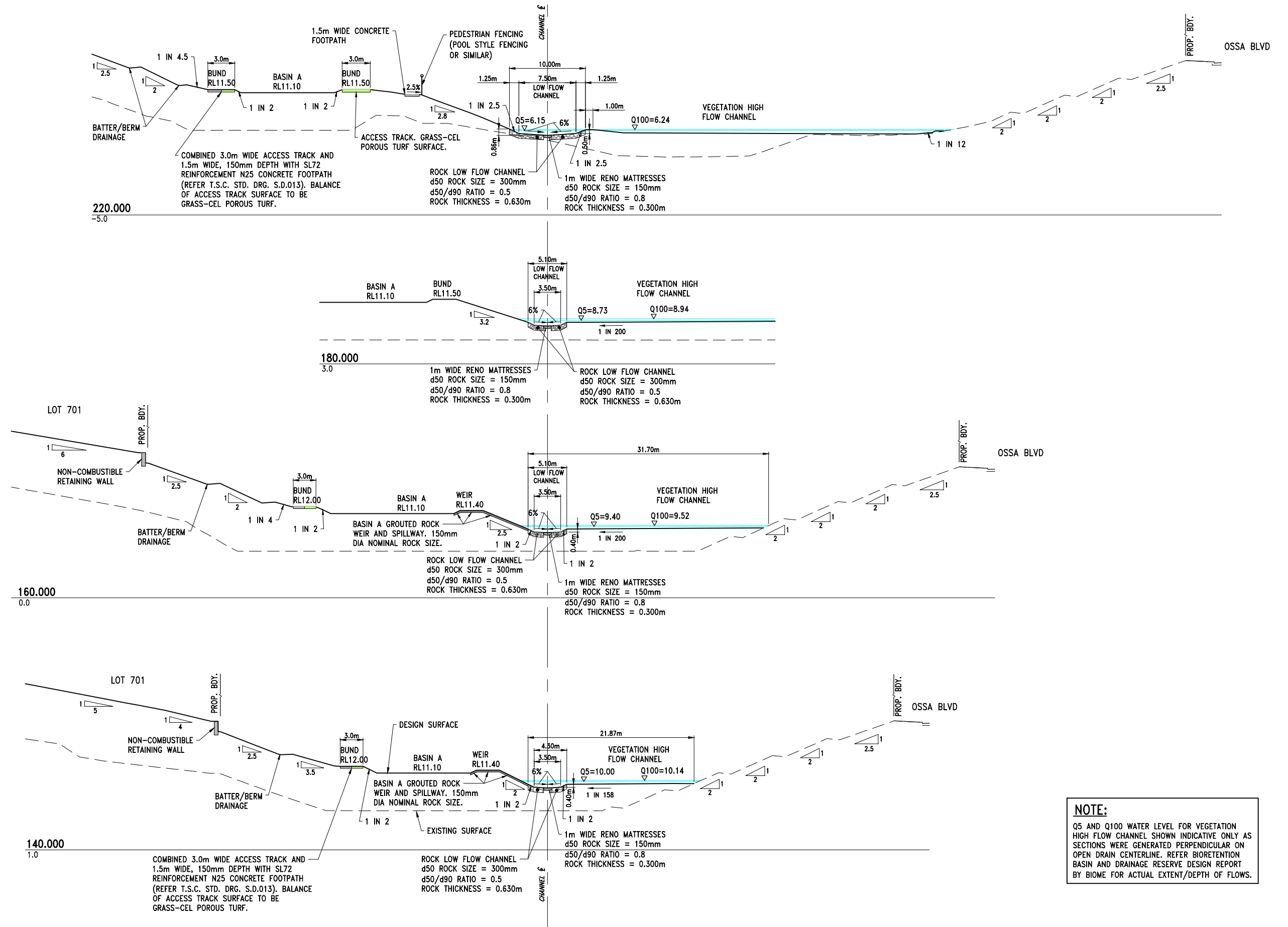
TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE PLAN
SHEET 3 OF 3

SK3618/3
REVISION H

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NOTE:
Q5 AND Q100 WATER LEVEL FOR VEGETATION HIGH FLOW CHANNEL SHOWN INDICATIVE ONLY AS SECTIONS WERE GENERATED PERPENDICULAR ON OPEN DRAIN CENTERLINE. REFER BIORETENTION BASIN AND DRAINAGE RESERVE DESIGN REPORT BY BIOME FOR ACTUAL EXTENT/DEPTH OF FLOWS.

5 0 5 10m
1 : 250 (FULL SIZE)

NEWLAND DEVELOPERS PTY LTD

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26-03-2019

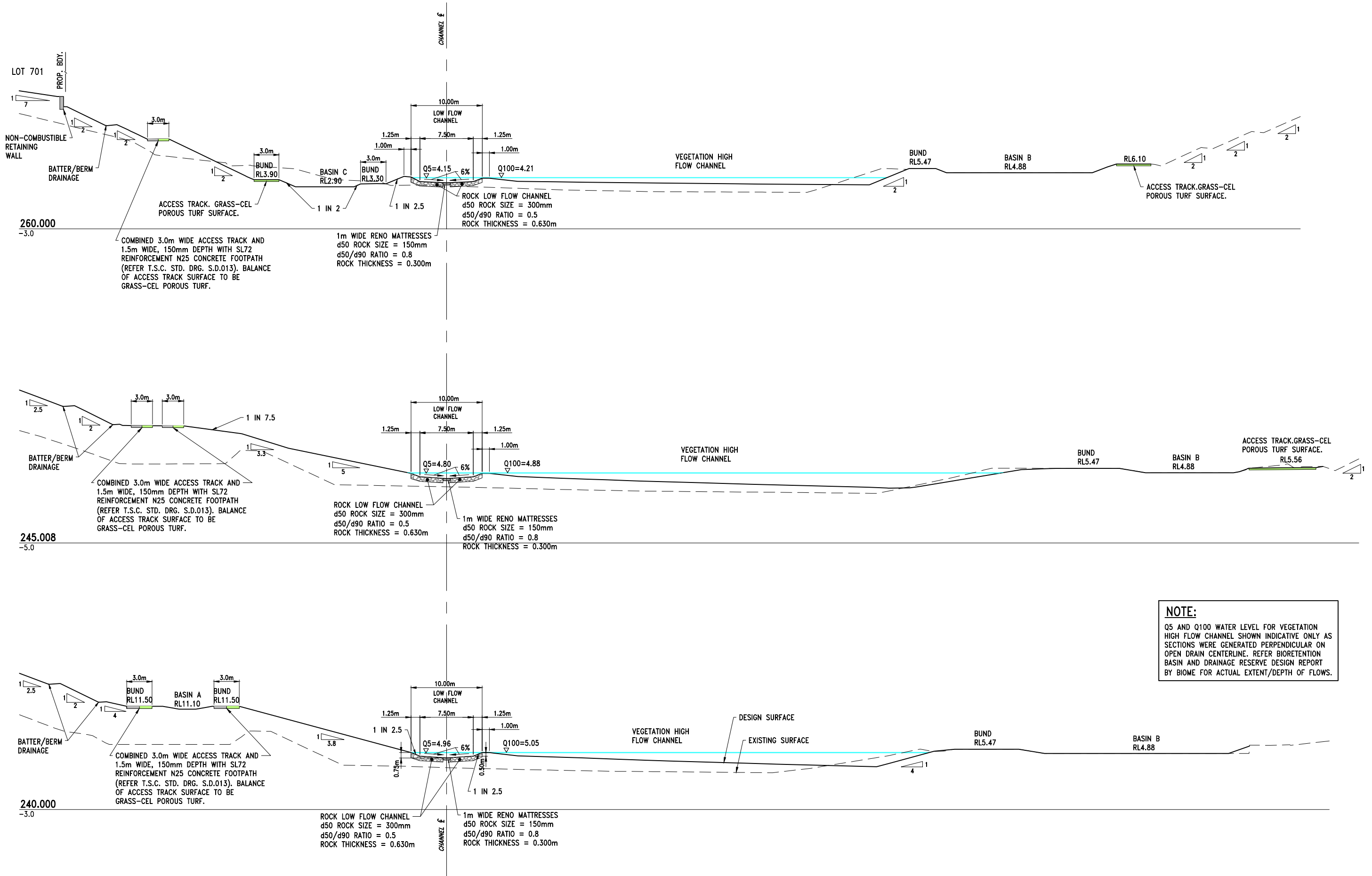
TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE
CROSS SECTIONS SHEET 2 OF 6

SK3621
REVISION F

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5 0 5 10m
1 : 250 (FULL SIZE)

NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE
CROSS SECTIONS SHEET 3 OF 6

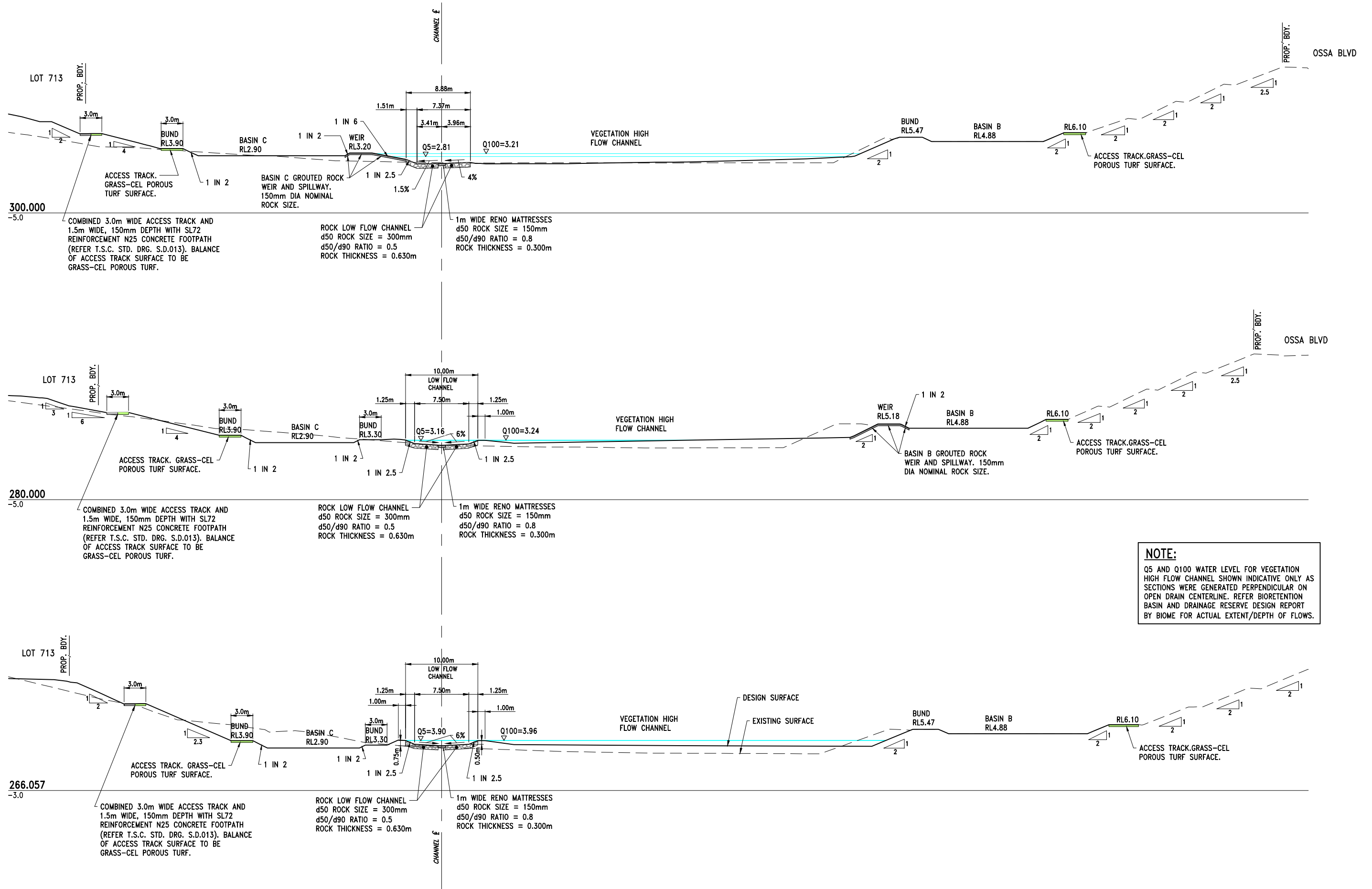
09-374
26-03-2019

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REVISION F

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5 0 5 10m
1 : 250 (FULL SIZE)

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26-03-2019

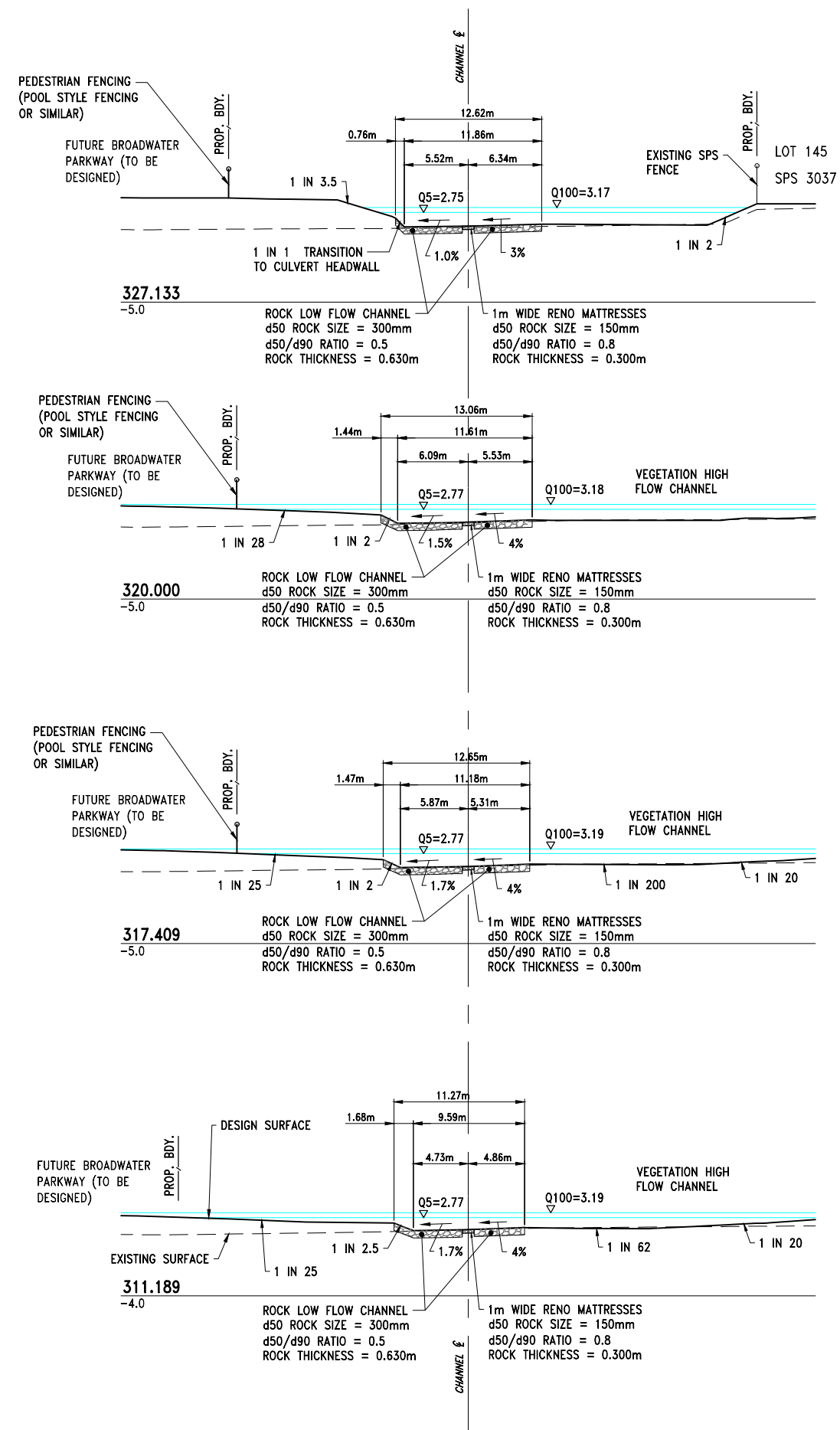
TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE
CROSS SECTIONS SHEET 4 OF 6

SK3623
REVISION F

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5 0 5 10m
1 : 250 (FULL SIZE)

NOTE:
Q5 AND Q100 WATER LEVEL FOR VEGETATION HIGH FLOW CHANNEL SHOWN INDICATIVE ONLY AS SECTIONS WERE GENERATED PERPENDICULAR ON OPEN DRAIN CENTERLINE. REFER BIORETENTION BASIN AND DRAINAGE RESERVE DESIGN REPORT BY BIOME FOR ACTUAL EXTENT/DEPTH OF FLOWS.

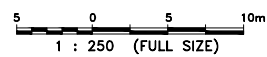
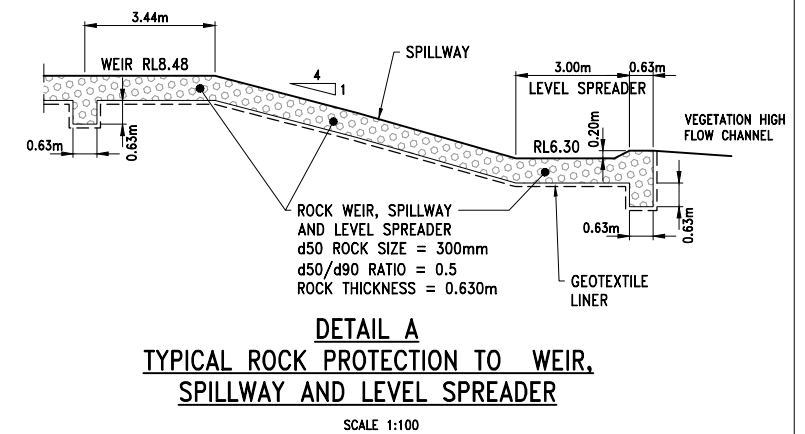
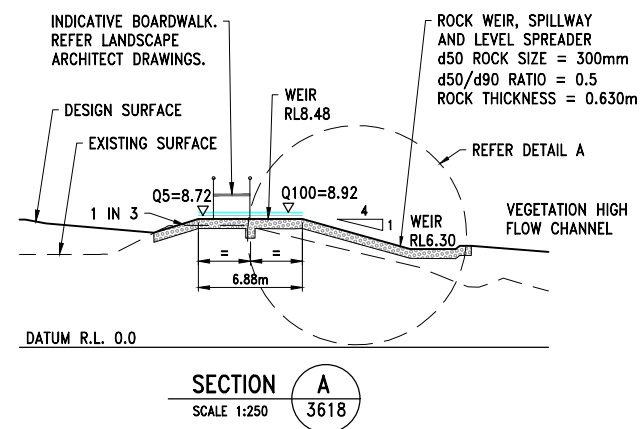
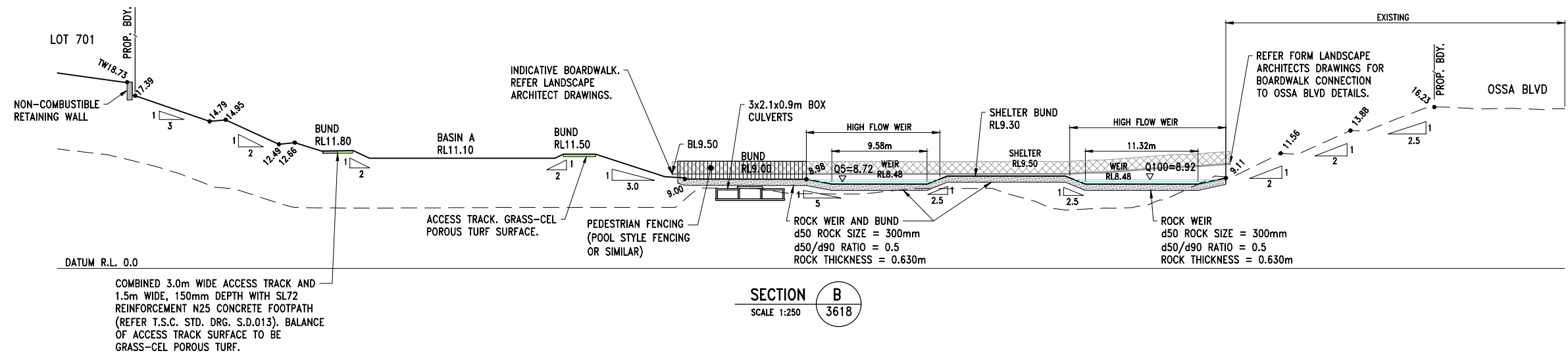
NEWLAND DEVELOPERS PTY LTD
TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE
CROSS SECTIONS SHEET 5 OF 6

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26-03-2019
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REG. NO. 253



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09-374
26-03-2019

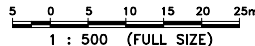
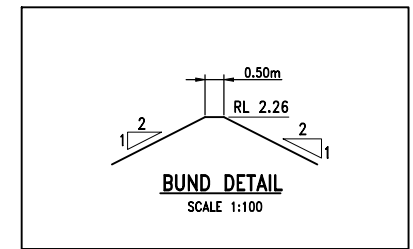
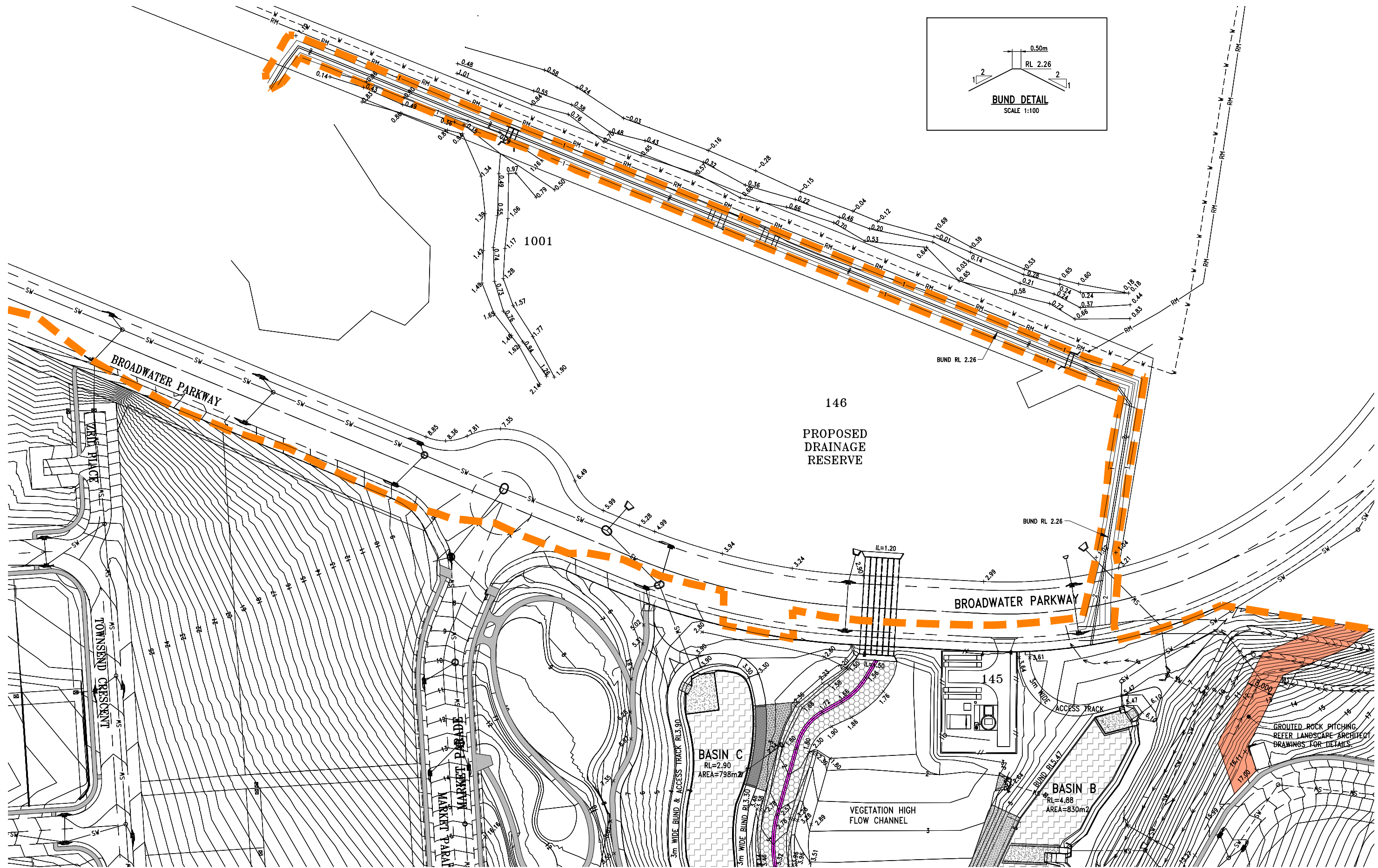
TERRANORA PRECINCT 1
CENTRAL OPEN DRAIN SWALE
CROSS SECTIONS SHEET 6 OF 6

SK3625
REVISION F

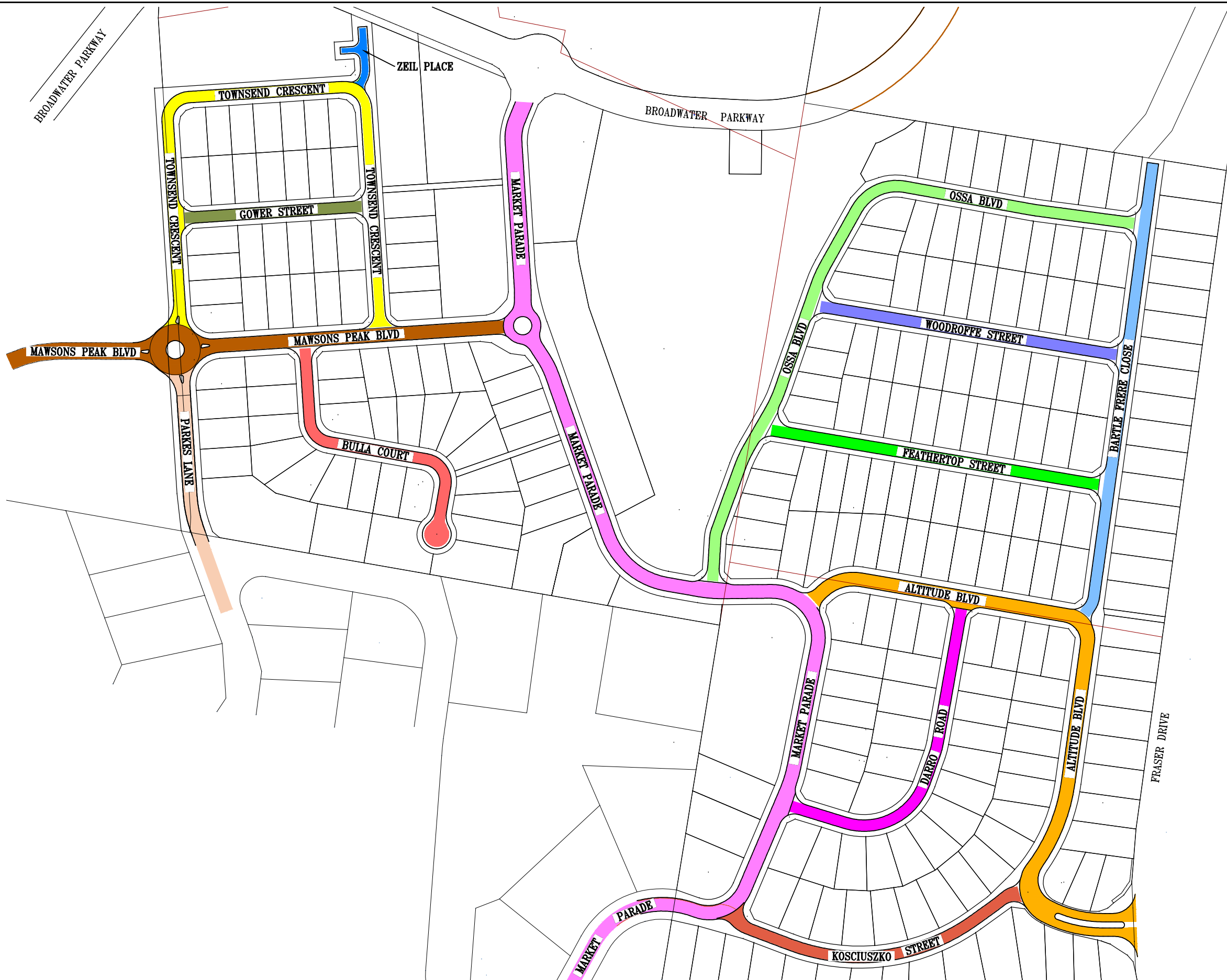
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NEWLAND DEVELOPERS PTY LTD TERRANORA PRECINCT 1 CENTRAL OPEN DRAIN SWALE BUND		09-374 26-03-2019 SK 4038 REVISION E	Bradford Lees Pty Ltd ABN 29 064 159 191 Ph 07 5528 6411 Fax 07 5528 6422 Web www.bradlees.com.au Email mail@bradlees.com.au Postal PO Box 2293, Southport QLD 4215 Gold Coast Office Level 1, 34 Thomas Drive, Chevron Island QLD 4217	 Bradlees Civil Consulting QUALITY ASSURED COMPANY AS/NZS ISO 9001:2008 REG. NO. 53
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PLAN LAYOUT
SCALE NTS

NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1
ROAD NAMES PLAN

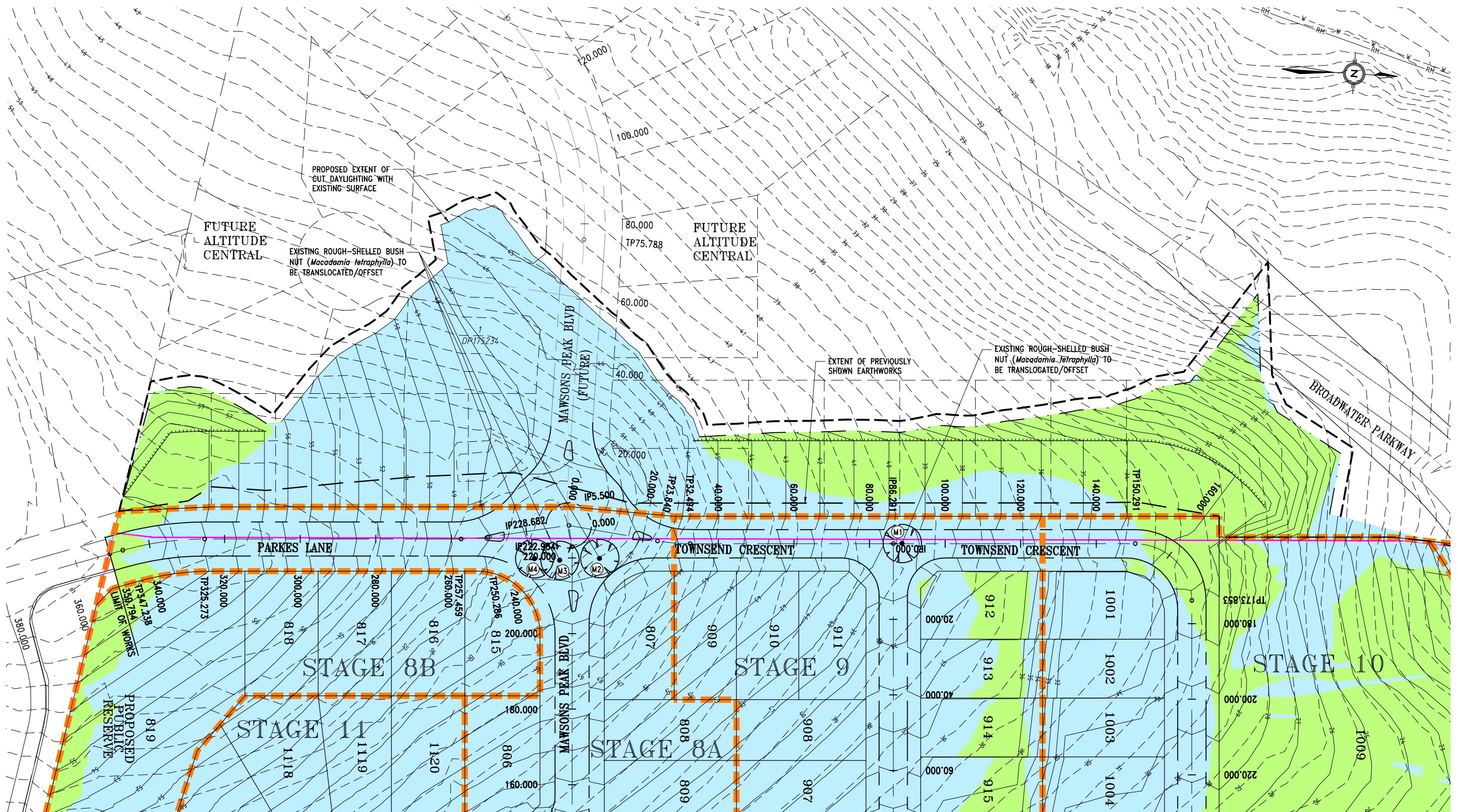
09-374
06-07-2018

SK4554
REVISION F

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LAYOUT PLAN

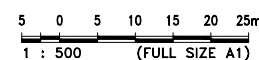
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LEGEND

- | | | | |
|-----|---------------------------|------------|---------------------------------------|
| 10 | EXISTING SURFACE CONTOURS | --- | LIMIT OF WORKS |
| 12 | FINISHED SURFACE CONTOURS | --- | EXTENT OF PREVIOUSLY SHOWN EARTHWORKS |
| --- | NOMINAL KERB LINE | CUT AREAS | |
| --- | EXISTING PARCEL BOUNDARY | FILL AREAS | |
| --- | PROPOSED BATTER TOP | | |
| --- | PROPOSED BATTER TOE | | |
| --- | STAGE BOUNDARY | | |

EXISTING ROUGH-SHELLED BUSH NUT (*Macadamia tetraphylla*) TO BE TRANSLOCATED/OFFSET EXISTING COORDINATES

PLANT	EASTING	NORTHING
M1	550994.612	6877536.495
M2	551003.788	6877456.861
M3	551004.944	6877446.361
M4	551004.973	6877439.677



NEWLAND DEVELOPERS PTY LTD

09-374
23-01-2019

TERRANORA PRECINCT 1

WEST BOUNDARY EARTHWORKS EXTENT

SK 6524
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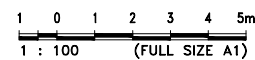
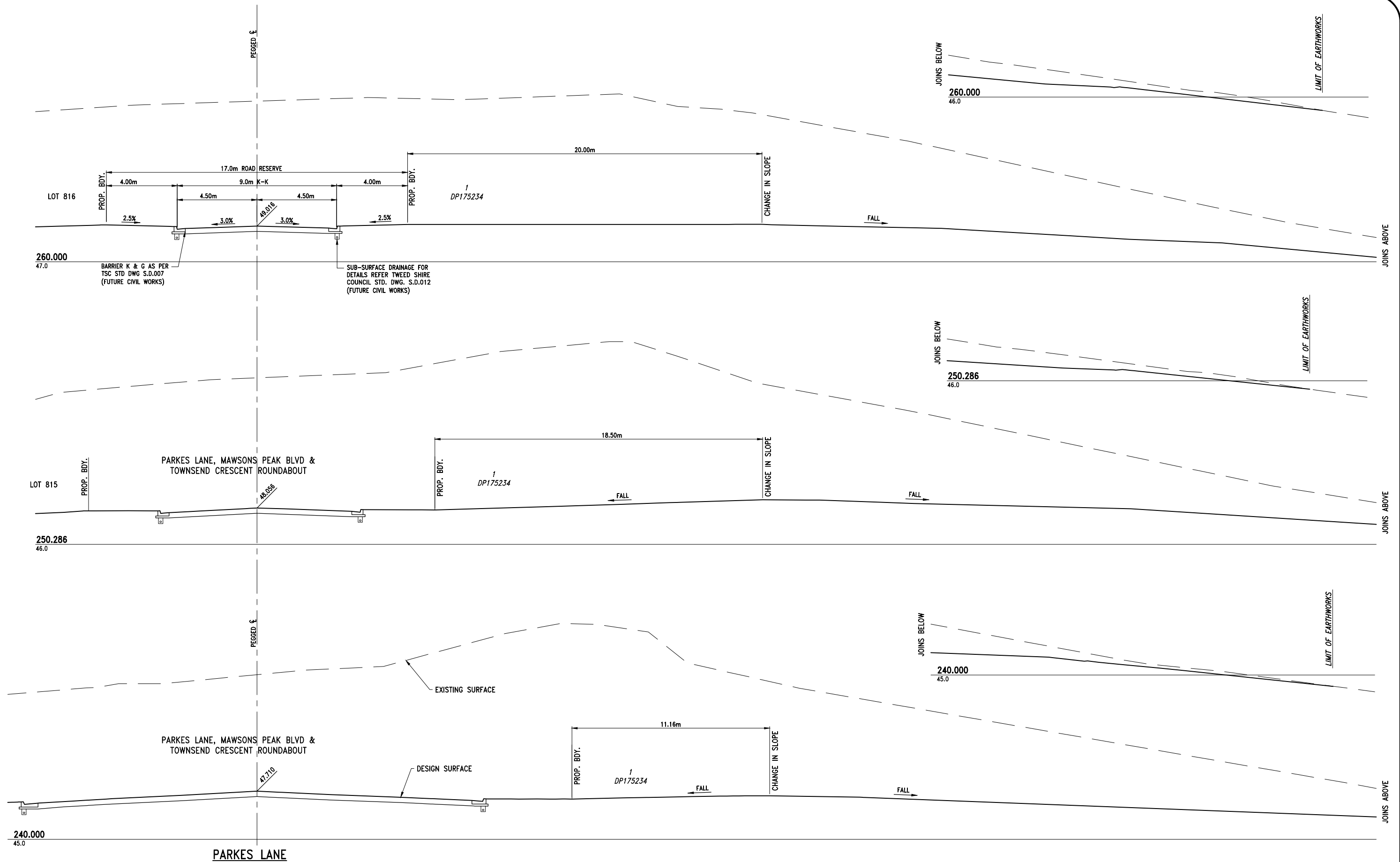
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TERRANORA PRECINCT 1
WEST BOUNDARY ROADS CROSS
SECTIONS EXTENT - SHEET 1 OF 4

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PARKES LANE

1 0 1 2 3 4 5m
1 : 100 (FULL SIZE A1)

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06-07-2018

TERRANORA PRECINCT 1
WEST BOUNDARY ROADS CROSS
SECTIONS EXTENT - SHEET 2 OF 4

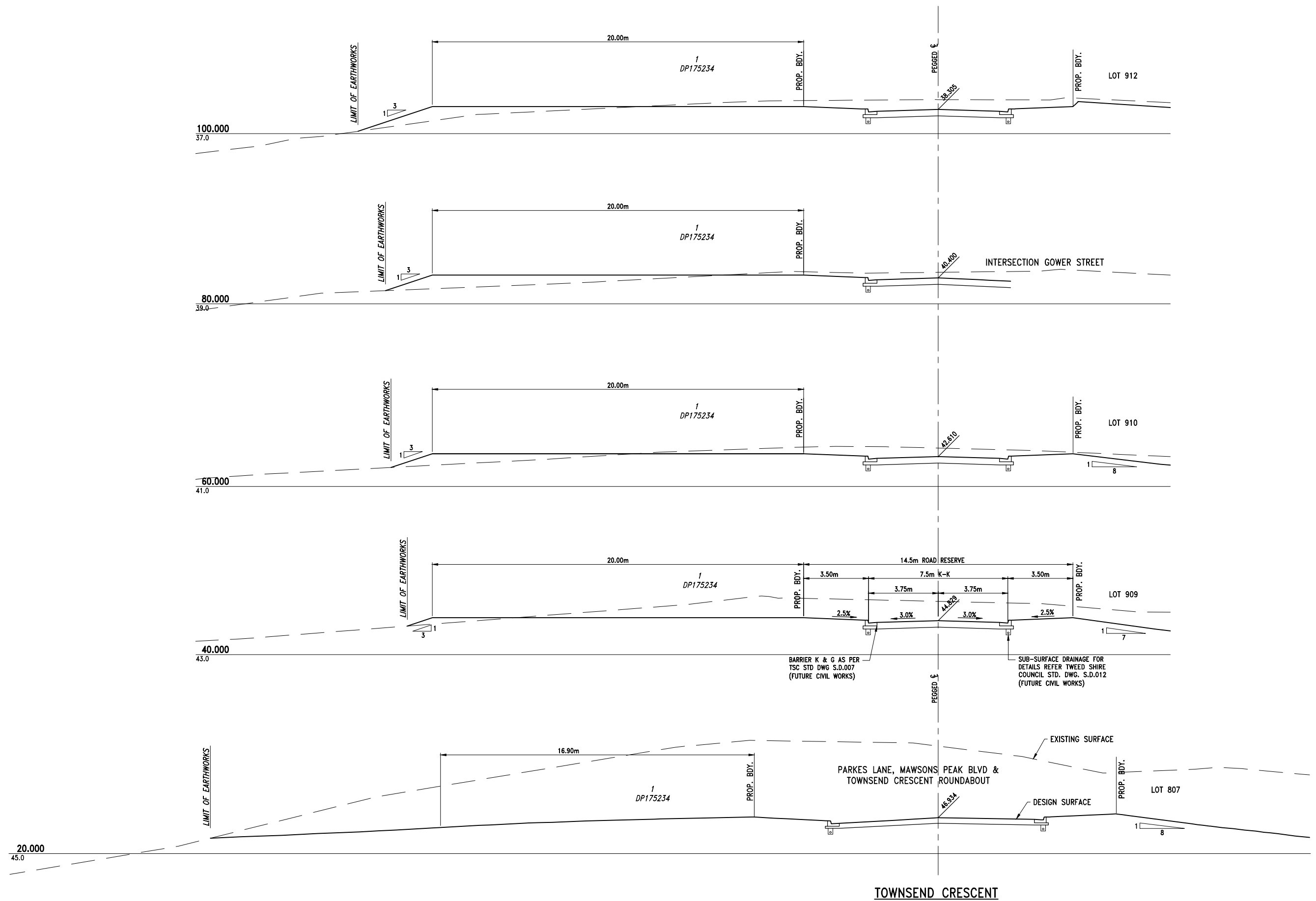
SK 6526
REVISION C

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1 0 1 2 3 4 5m
1 : 100 (FULL SIZE A1)

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06-07-2018

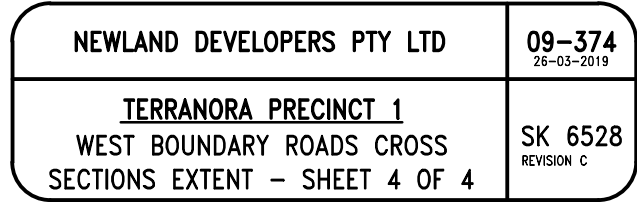
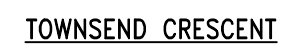
TERRANORA PRECINCT 1
WEST BOUNDARY ROADS CROSS
SECTIONS EXTENT - SHEET 3 OF 4

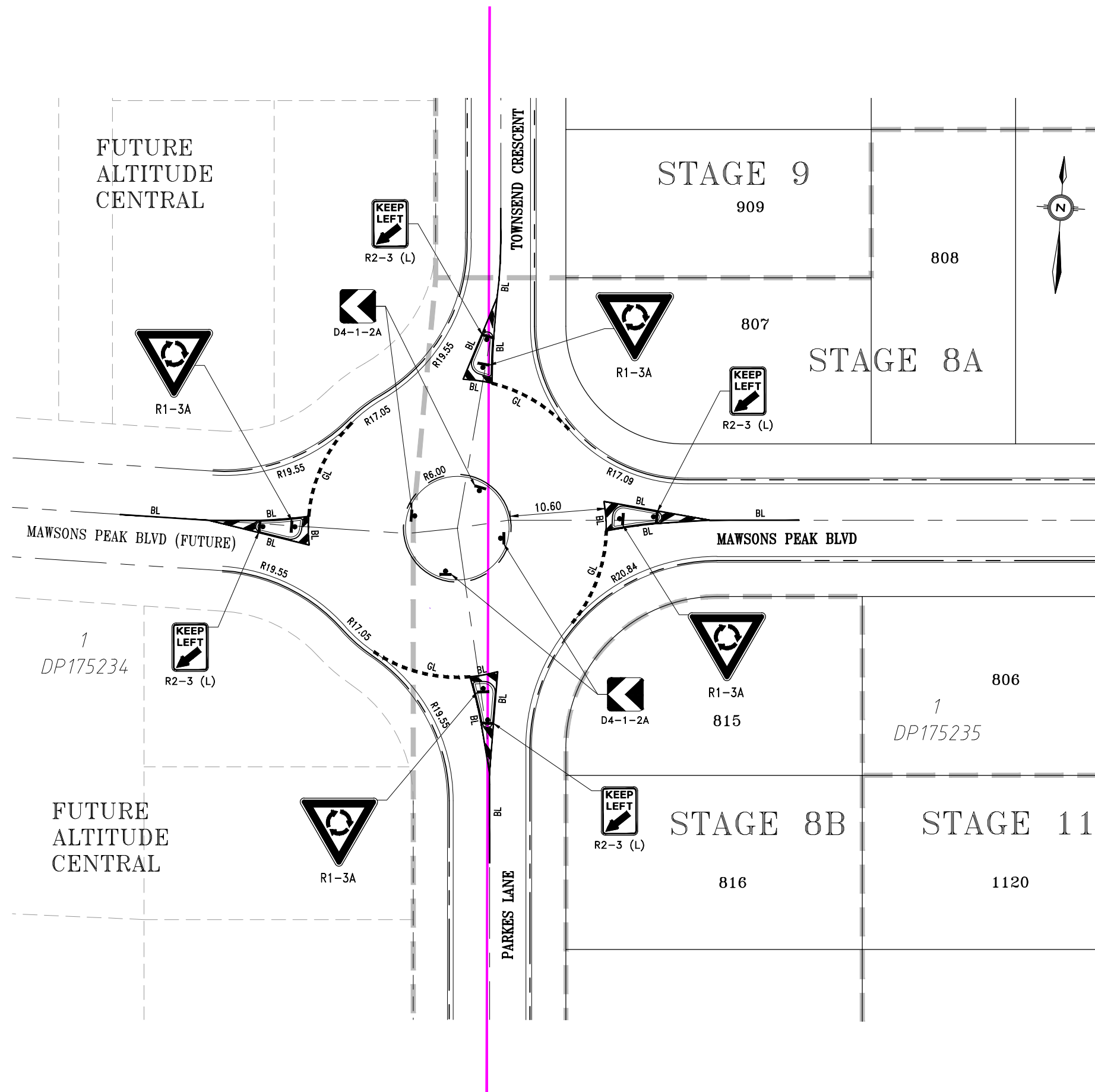
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PAVEMENT-MARKING LEGEND :

CODE	LINE TYPE	LINE LENGTH	GAP	WIDTH
LL	DIVIDING LINES (TWO LANE ROADS)	3.0m	9.0m	100mm
EL	DIVIDING LINES/EDGE LINES	-	-	100mm
BL	BARRIER LINES (SINGLE)	-	-	100mm
CL	CONTINUITY LINES	1.0m	3.0m	120mm
TL	TURN LINES	0.6m	0.6m	100mm
SL	STOP LINES	-	-	300mm
GL	GIVE WAY LINES	0.6m	0.6m	300mm
BLO	BARRIER LINES (ONE DIRECTION)	3.0m	9.0m	100mm
BLB	BARRIER LINES (BOTH DIRECTIONS)	-	-	100mm
LLS	LANE LINES (SPECIAL)	3.0m	9.0m	100mm
BS	BUS STOP (YELLOW)	0.6m	0.3m	100mm

LEGEND

- 12 FINISHED SURFACE CONTOURS
- NOMINAL KERB LINE
- EXISTING PARCEL BOUNDARY

LAYOUT PLAN
SCALE 1:250

5 0 5 10m
1 : 250 (FULL SIZE)

NEWLAND DEVELOPERS PTY LTD

09-374
06-07-2018

TERRANORA PRECINCT 1
EXTENT OF MAWSONS PEAK BLVD -
TOWNSEND CRESCENT ROUNDABOUT WORKS

SK 6460
REVISION B

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LEGEND

--- STAGE BOUNDARY

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TERRANORA PRECINCT 1
PROPOSED STAGING UPDATES

09-374
26-03-2019

SK6596
REVISION D

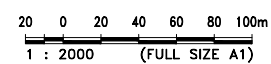
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LAYOUT PLAN
SCALE 1:2000



NEWLAND DEVELOPERS PTY LTD

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26-03-2019

TERRANORA PRECINCT 1
AREAS OF PROPOSED CHANGES FOR
CONSENT MODIFICATION 3

SK 6622
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STRUCTURE No.
COVER
TYPE
DROP

PROVIDE CONCRETE BULKHEADS AND TRENCHSTOPS AS PER TSC STD. DRG. S.D.276. ALL SEWER TRENCH DRAINAGE SYSTEMS AS PER WSA02-2002 SEW-1206 AND 1207.

HOUSE CONNECTION CHAINAGE/TYP IL/DEPTH

LEGEND:

SEWER STRUCTURE LIDS TYPES

B	DUCTILE IRON NON-TRAFFICABLE LID
D	DUCTILE IRON TRAFFICABLE LID

SEWER STRUCTURE TYPES

G	TYPE "G" 1100mm DIA. MAINTENANCE HOLE IN ACCORDANCE WITH AS 4198
H	TYPE "H" 1200mm DIA. MAINTENANCE HOLE IN ACCORDANCE WITH AS 4198
F	TYPE "F" 1500mm DIA. MAINTENANCE HOLE IN ACCORDANCE WITH AS 4198
TMS	TERMINAL MAINTENANCE SHAFT IN ACCORDANCE WITH WSA STD DRG SEW-1316

SEWER STRUCTURE DROPS

A	STRAIGHT THROUGH SEWER TYPE 'A' 30mm - 150mm
D	EXTERNAL BACKDROP TYPE 'D' >460mm

SEWER PROPERTY CONNECTION TYPES

A	150 - 300mm SLOPED H.C. BRANCH TYPE 'A'
B	300 - 800mm SLOPED H.C. BRANCH TYPE 'B'
C1	> 800mm VERTICAL H.C. BRANCH TYPE 'C1'

FOR ALL H.C. DETAILS REFER T.S.C. STD DWG SD-250 & SD-251

TRENCHSTOPS/BULKHEADS

DATUM	PROPERTY DESCRIPTION	EMBEDMENT TYPE	DIAMETER & CLASS	GRADE	LENGTH

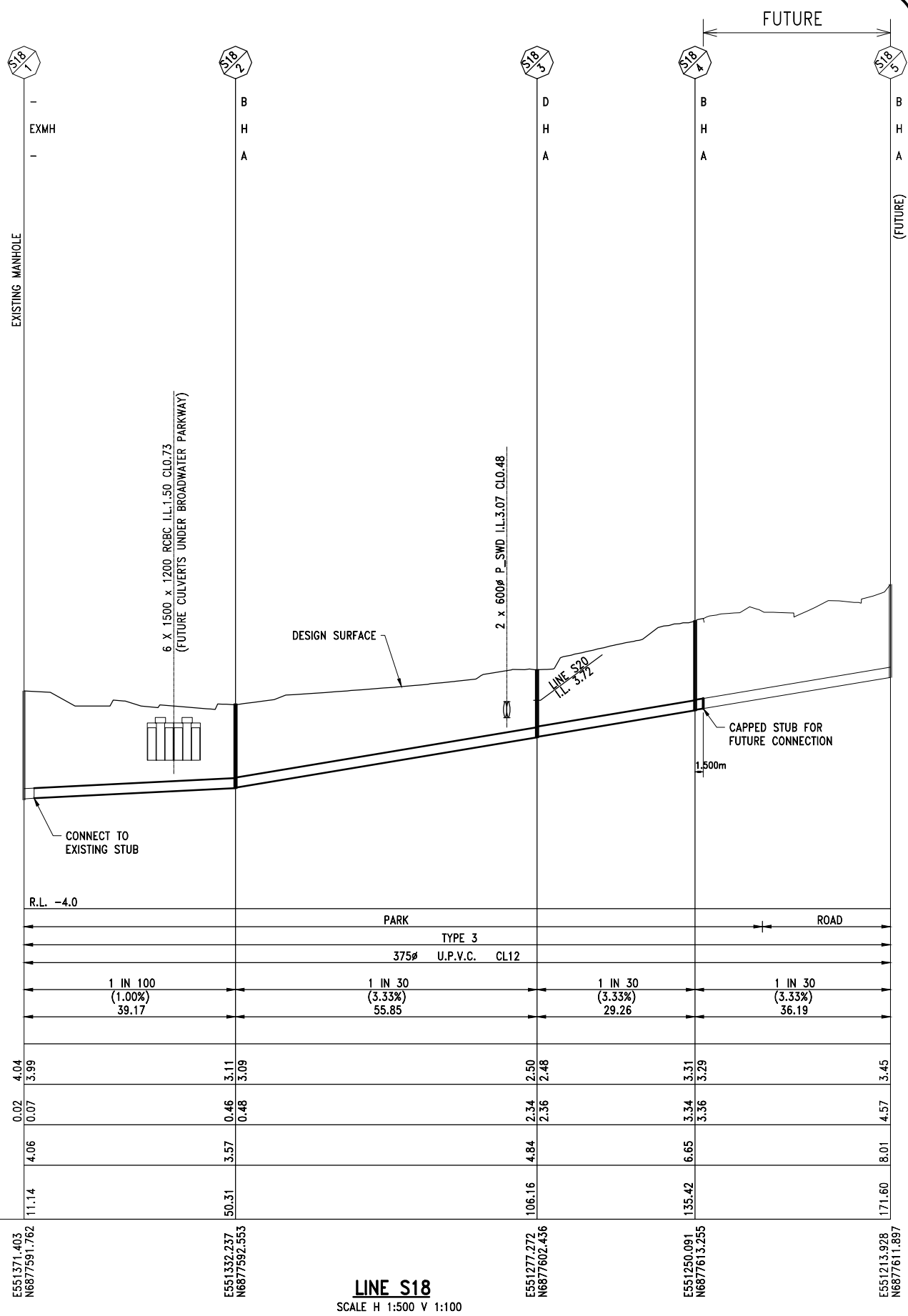
DEPTH TO INVERT	INVERT LEVEL	SURFACE LEVEL	CHAINAGE

STRUCTURE LOCATION

5 0 5 10 15 20 25m
1 : 500 HORIZ.
1 0 1 2 3 4 5m
1 : 100 VERT. (FULL SIZE)

SEWER RETICULATION PLAN

5 0 5 10 15 20 25m
1 : 500 (FULL SIZE A1)



NEWLAND DEVELOPERS PTY LTD

TERRANORA PRECINCT 1

LOT 610 SEWER RETICULATION PLAN AND TRUNK SEWER LONG. SECTION

09-374

26-03-2019

SK 6978

REVISION A

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