

**DEVELOPMENT AT 1799A GREAT SOUTH ROAD, BOMABY
FOR VERNON DEVELOPMENTS LIMITED**

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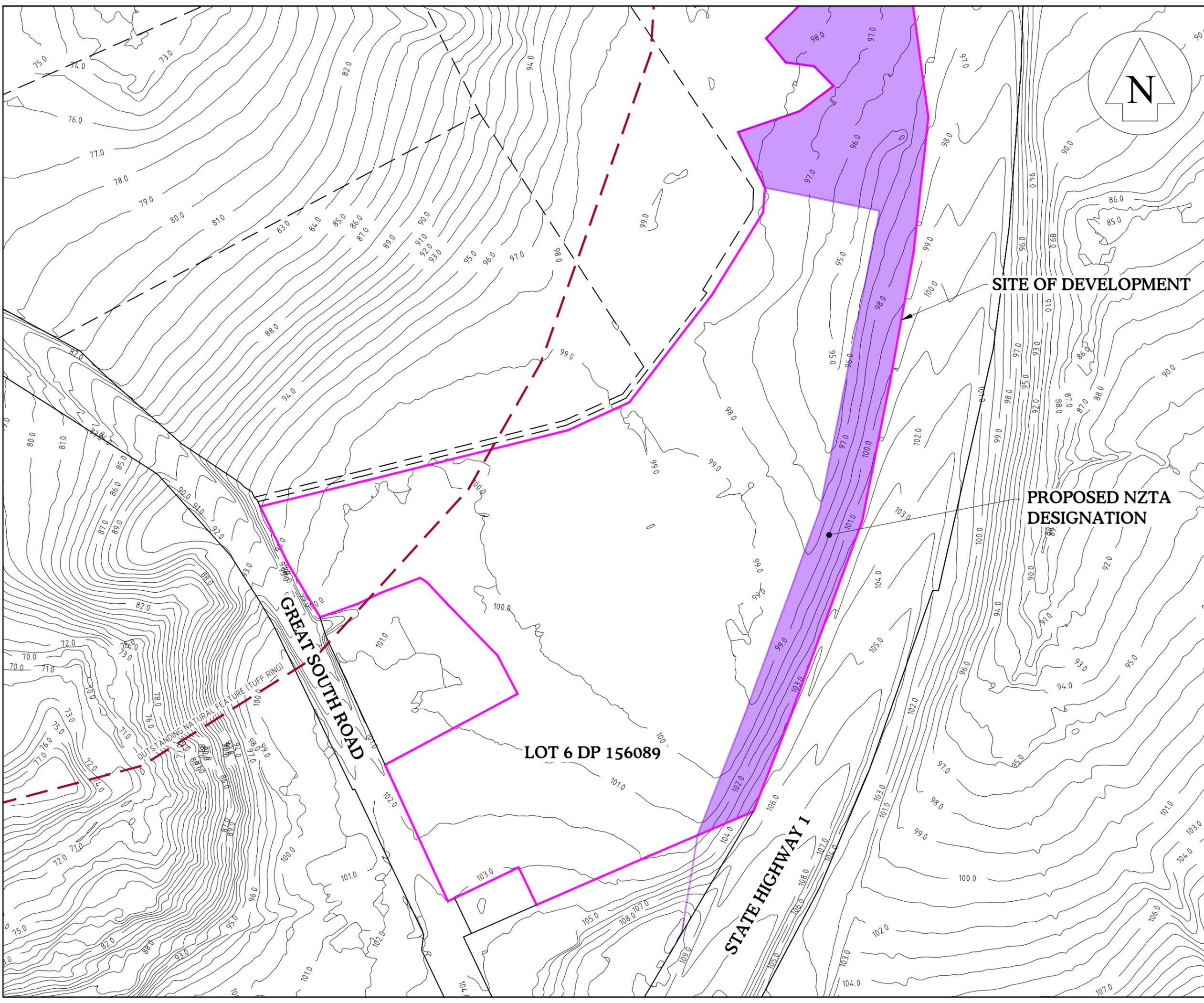
**SHEET 13, DRAWING No. J2224-13
STORMWATER DETAILS 3**

PREPARED BY:



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**OCTOBER 2025
PROJECT NO: J2224
FOR A RETROSPECTIVE CONSENT
CONTROLLING AUTHORITY:
AUCKLAND COUNCIL**



- GENERAL NOTES**
1. LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 3. PRE-DEVELOPMENT CONTOURS SOURCED FROM AUCKLAND COUNCIL GEOMAPS.

LEGEND

PRE-DEVELOPMENT CONTOURS (GIS)		(1.0m INTERVALS)
OUTSTANDING NATURAL FEATURE (TUFF RING)		
PROPOSED NZTA DESIGNATION		

Amendments			
	Name	Date	
C	S92	JL	10/25
B	S92	JL	09/25
A	S92	SF	04/25

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	Name	Date
Surveyed	Auckland Council Geomaps	N/A
Designed	Sam Furniss	02/25
Drawn	Sam Furniss	02/25
Checked	Avneet Kumar	02/25
Approved	Craig Forrester	02/25

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 THE SURVEYING COMPANY
 Planners, Surveyors & Engineers

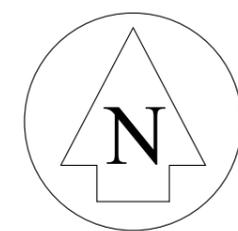
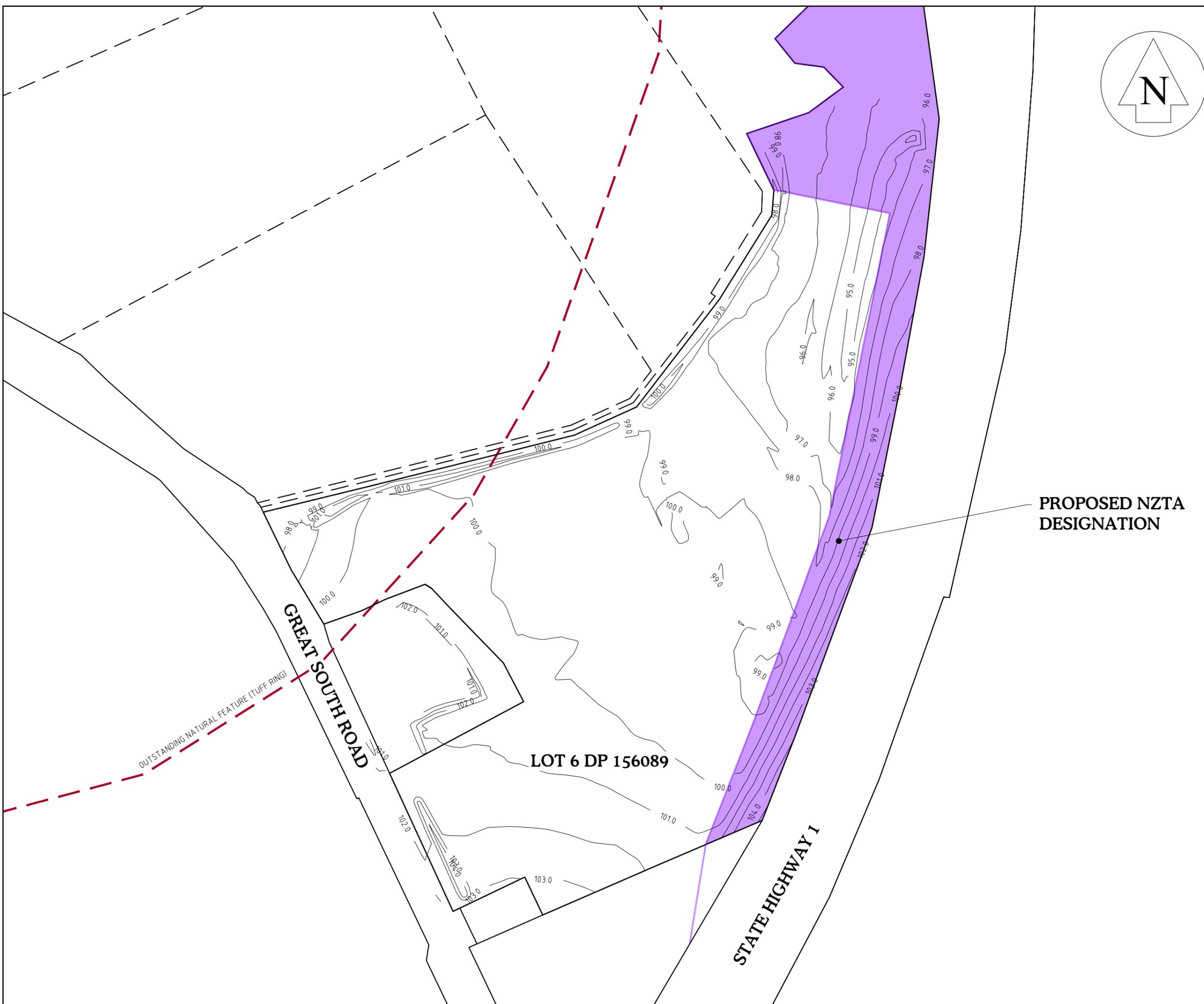
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Job Title
RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

Sheet Title
PRE-DEVELOPMENT CONTOUR PLAN

Project	J2224	Drawing	J2224-1
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	1:2000	Amendment	C



- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

LEGEND

EXISTING CONTOURS	(1.0m INTERVALS)
OUTSTANDING NATURAL FEATURE (TUFF RING)	
PROPOSED NZTA DESIGNATION	

Amendments	Name	Date
C	S92	JL 10/25
B	S92	JL 09/25
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Checked	Avneet Kumar	02/25
Approved	Craig Forrester	02/25



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Job Title
**RETROSPECTIVE WORKS
 AT 1799A GREAT SOUTH
 ROAD, BOMBAY**

Client
**VERNON
 DEVELOPMENTS LTD**

Sheet Title
EXISTING CONTOUR PLAN

Sheet 2 of 13

Project	J2224	Drawing	J2224-2
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
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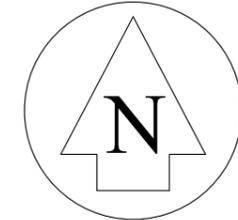
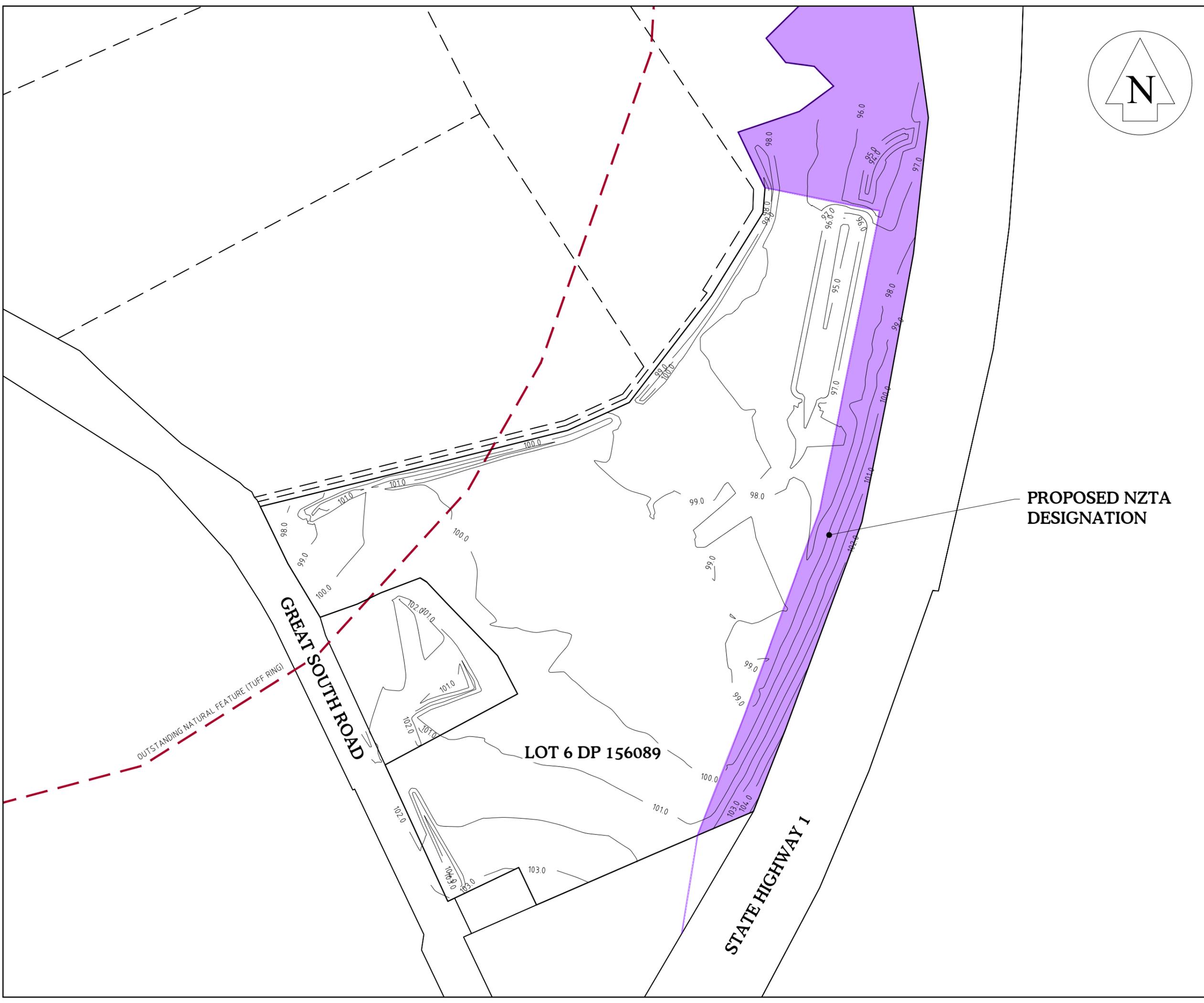
**PROPOSED NZTA
 DESIGNATION**

GREAT SOUTH ROAD

LOT 6 DP 156089

STATE HIGHWAY 1

OUTSTANDING NATURAL FEATURE (TUFF RING)



- GENERAL NOTES**
1. LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

LEGEND

PROPOSED CONTOURS	(1.0m INTERVALS)
OUTSTANDING NATURAL FEATURE (TUFF RING)	
PROPOSED NZTA DESIGNATION	

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		Amendments	Name Date

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**RETROSPECTIVE WORKS
 AT 1799A GREAT SOUTH
 ROAD, BOMBAY**

Client
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 DEVELOPMENTS LTD**

Sheet Title
**POST DEVELOPMENT
 CONTOUR PLAN**

		Sheet 3 of 13	
Project	J2224	Drawing	J2224-3
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	1:2000	Amendment	C

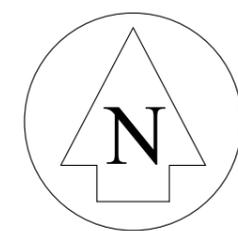
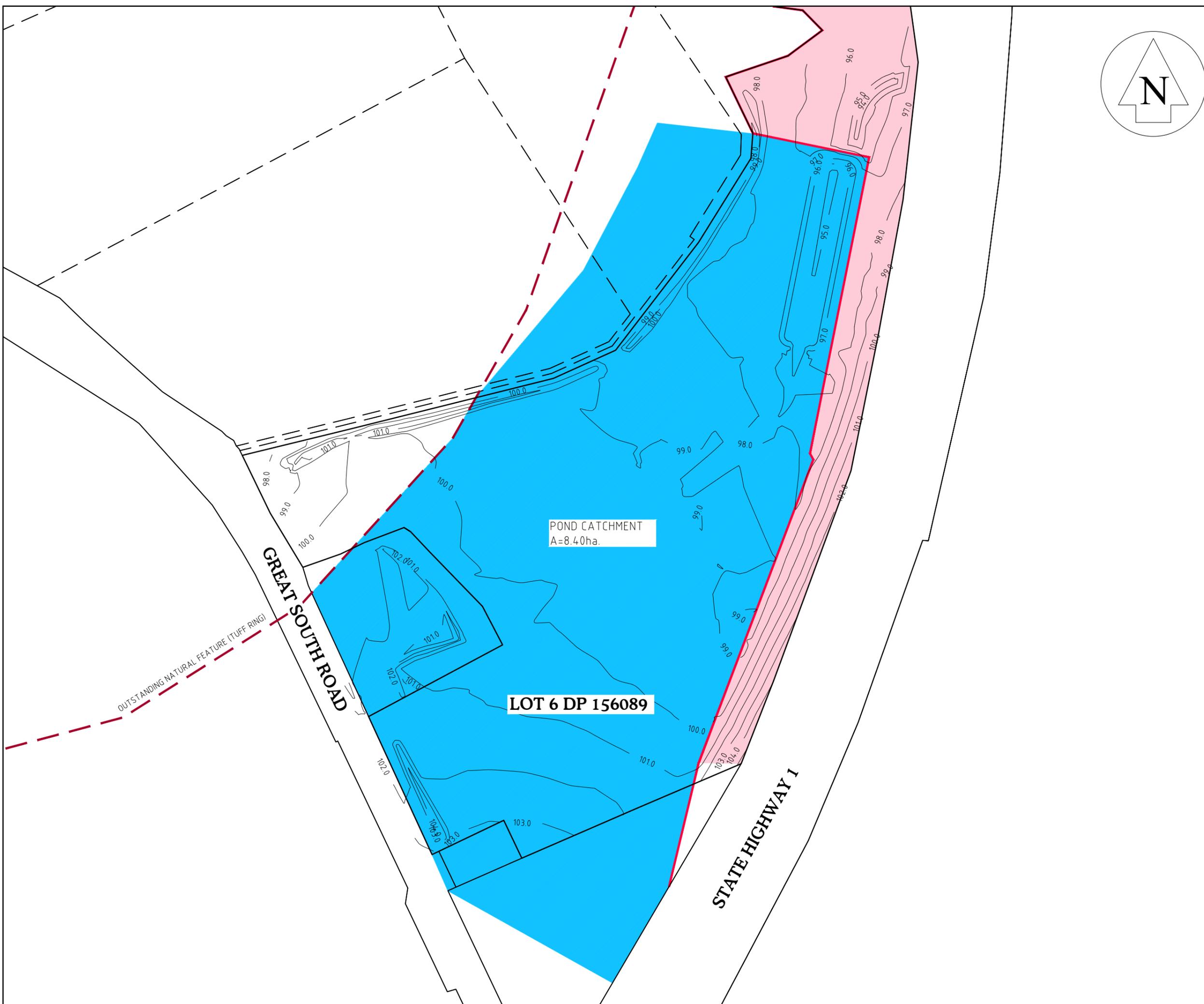
**PROPOSED NZTA
 DESIGNATION**

GREAT SOUTH ROAD

LOT 6 DP 156089

STATE HIGHWAY 1

OUTSTANDING NATURAL FEATURE (TUFF RING)



- GENERAL NOTES
1. LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
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LEGEND

PROPOSED CONTOURS	(1.0m INTERVALS)
OUTSTANDING NATURAL FEATURE (TUFF RING)	
CATCHMENT FOR POND	

Amendments	Name	Date
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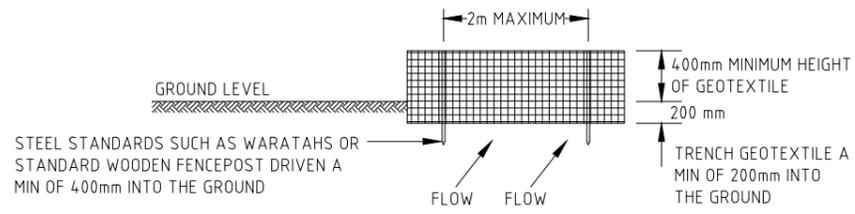
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Job Title
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 ROAD, BOMBAY**

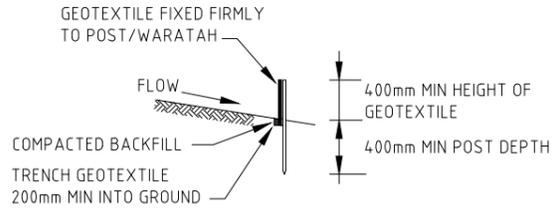
Client
**VERNON
 DEVELOPMENTS LTD**

Sheet Title
CATCHMENT PLAN

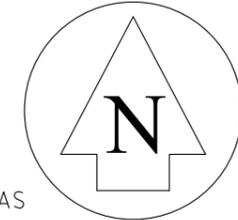
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CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	1:2000	Amendment	C



SILT FENCE ELEVATION



SILT FENCE CROSS SECTION



- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

LEGEND

EXISTING CONTOURS	
OUTSTANDING NATURAL FEATURE (TUFF RING)	
SILT FENCE	
CLEAN WATER EARTH BUND	
DIRTY WATER EARTH BUND	
CATCHMENT AREA	

CATCHMENT 1 AREA: 500m²
- TO BE PROGRESSIVELY STABILISED

RIP RAP INSTALLED AS STABILISED OUTLET

INSTALL SILT FENCE DURING CONSTRUCTION OF POND

CATCHMENT 2 AREA: 8,807m²
- TO BE MANAGED INITIALLY WITH SILT FENCE AND THEN WITH THE CONSTRUCTION OF THE POND ITSELF

PROPOSED FOREBAY (18.4m W x 15.6m L x 2.1m DEEP) WITH LEVEL SPREADER

CATCHMENT 3 AREA: 983m²
- TO BE PROGRESSIVELY STABILISED WITH METAL

POSSIBLE STOCKPILE LOCATION

LOT 6 DP 156089

GREAT SOUTH ROAD

STATE HIGHWAY 1

EXISTING ENTRANCEWAY TO ACT AS STABILISED ENTRANCEWAY

DRY POND ACTING AS SEDIMENT RETENTION POND (SRP)

- POND BASE RL: 94.70m
- BASE LENGTH: 93.0m
- AVERAGE BASE WIDTH: 5.8m
- LENGTH AT THE LEVEL OF PRIMARY SPILLWAY: 108.3 m
- WIDTH AT THE LEVEL OF PRIMARY SPILLWAY: 21.1 m
- DEPTH TO THE PRIMARY SPILLWAY: 2.55 m
- GRADIENT OF THE INLET SLOPE: 1:3
- GRADIENT OF OTHER WALL SLOPES: 1:3
- VOLUME BELOW THE PRIMARY SPILLWAY: 1,943.0m³
- DEAD STORAGE HEIGHT: 0.91m
- HEIGHT OF DECANT SYSTEM 1: 0.91m
- EMERGENCY SPILLWAY WIDTH: 12.0m

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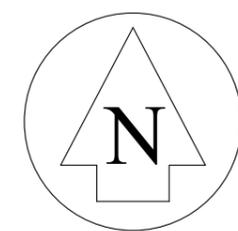
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RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

Sheet Title
EROSION & SEDIMENT CONTROL PLAN

Project	J2224	Drawing	J2224-5
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	1:2000	Amendment	C



**PROPOSED
EARTHWORKS
BOUNDARY**

**PROPOSED NZTA
DESIGNATION
BOUNDARY**

LEGEND

- DEPTH CONTOUR (0.5m INTERVAL)
- EARTHWORKS AREA
- OUTSTANDING NATURAL FEATURE (TUFF RING)

CUT/FILL RANGE	
-1 to -0.5 m	
-0.5 to 0 m	
0 to 0.5 m	
0.5 to 1 m	
1 to 1.5 m	
1.5 to 2 m	
2 to 2.5 m	
2.5 to 3 m	

- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 - EARTHWORKS ARE NOT TO BE EXTENDED INTO ADJOINING SITES UNLESS THE ENGINEER HAS ISSUED SPECIFIC INSTRUCTIONS.
 - ALL EROSION AND SEDIMENT CONTROL DEVICES TO BE INSTALLED, AS-BUILT AND INSPECTED BY THE ENGINEER / COUNCIL PRIOR TO COMMENCING BULK EARTHWORKS ON SITE.
 - ALL EARTHWORKS TO BE INSPECTED BY CLIENT'S GEOTECHNICAL ENGINEER.
 - SUBSOIL DRAINS, IF REQUIRED, ARE TO BE CONFIRMED ON SITE DURING CONSTRUCTION BY ENGINEER.
 - CUT TO FILL OPERATIONS, THE MATERIAL WILL BE LIFTED, TRANSPORTED, PLACED IN 200-300mm LAYERS AND THEN COMPACTED WITH A SHEEPSFOOT ROLLER TO ENSURE THE REQUIRED COMPACTION IS OBTAINED.
 - TOPSOIL WILL BE CULTIVATED AND REVEGETATED.
 - EARTHWORKS VOLUMES ARE FROM EXISTING SURFACE LESS TOPSOIL STRIPPED (200mm) AND FINISHED SUBGRADE LEVELS AND ARE:
 - TOPSOIL VOLUME 2,290m³
 - TOTAL CUT 508m³
 - TOTAL FILL 8,323m³
 - MAX CUT DEPTH 1.0m
 - MAX FILL DEPTH 3.0m
 - EARTHWORKS AREA IS 12,300m².

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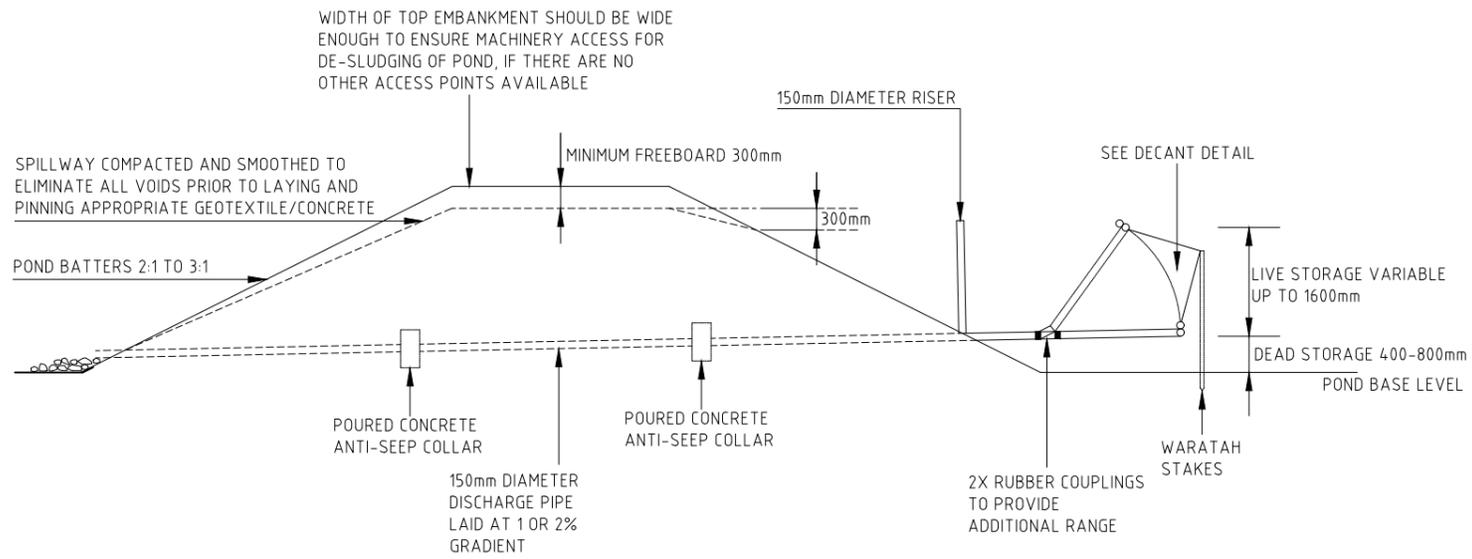
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Job Title
**RETROSPECTIVE WORKS
 AT 1799A GREAT SOUTH
 ROAD, BOMBAY**

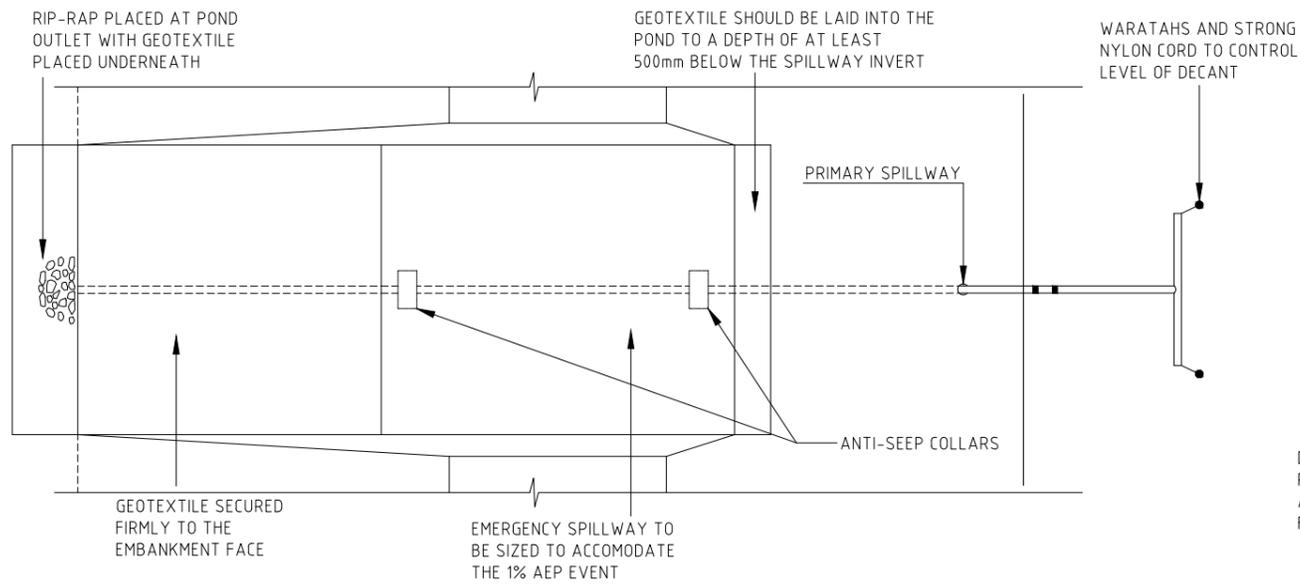
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 DEVELOPMENTS LTD**

Sheet Title
ISOPACH PLAN

Project	J2224	Drawing	J2224-4
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	1:2000	Amendment	C



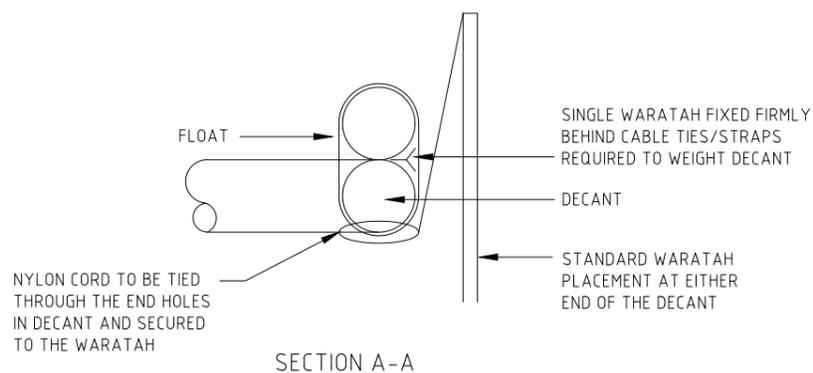
CROSS SECTION



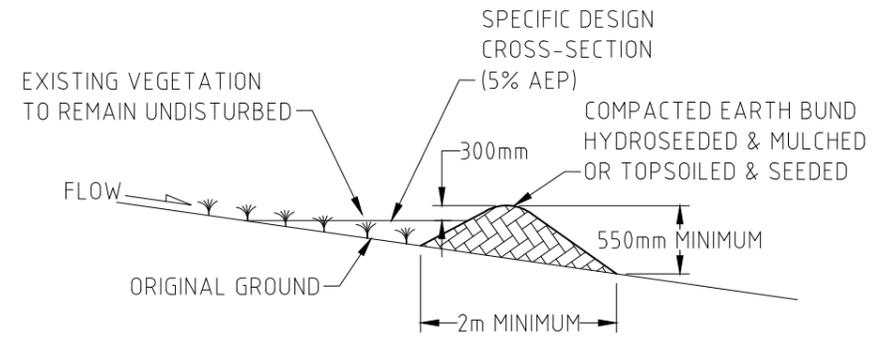
PLAN

SEDIMENT RETENTION POND FOR CATCHMENTS UP TO 1.5 ha

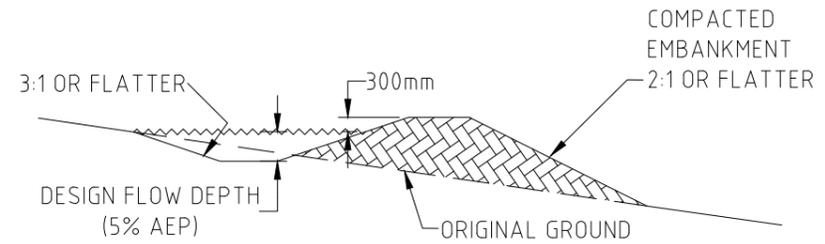
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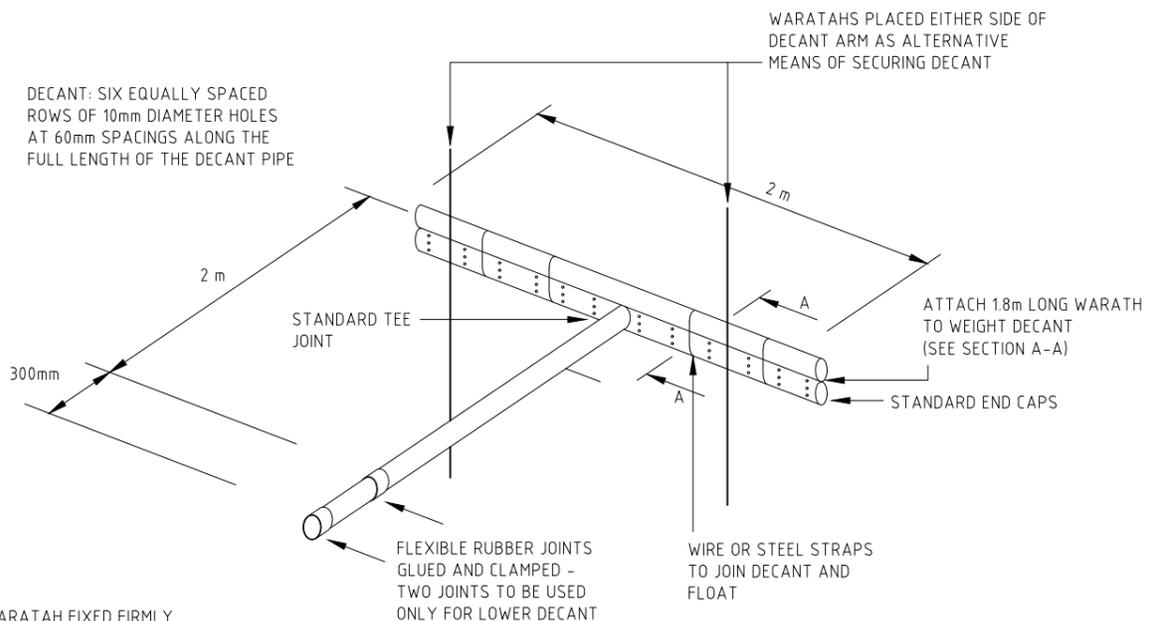
SECTION A-A



CLEAN WATER WATER DIVERSION BUND



DIRTY WATER WATER DIVERSION BUND



SEDIMENT RETENTION POND DECANT DETAIL

GENERAL NOTES

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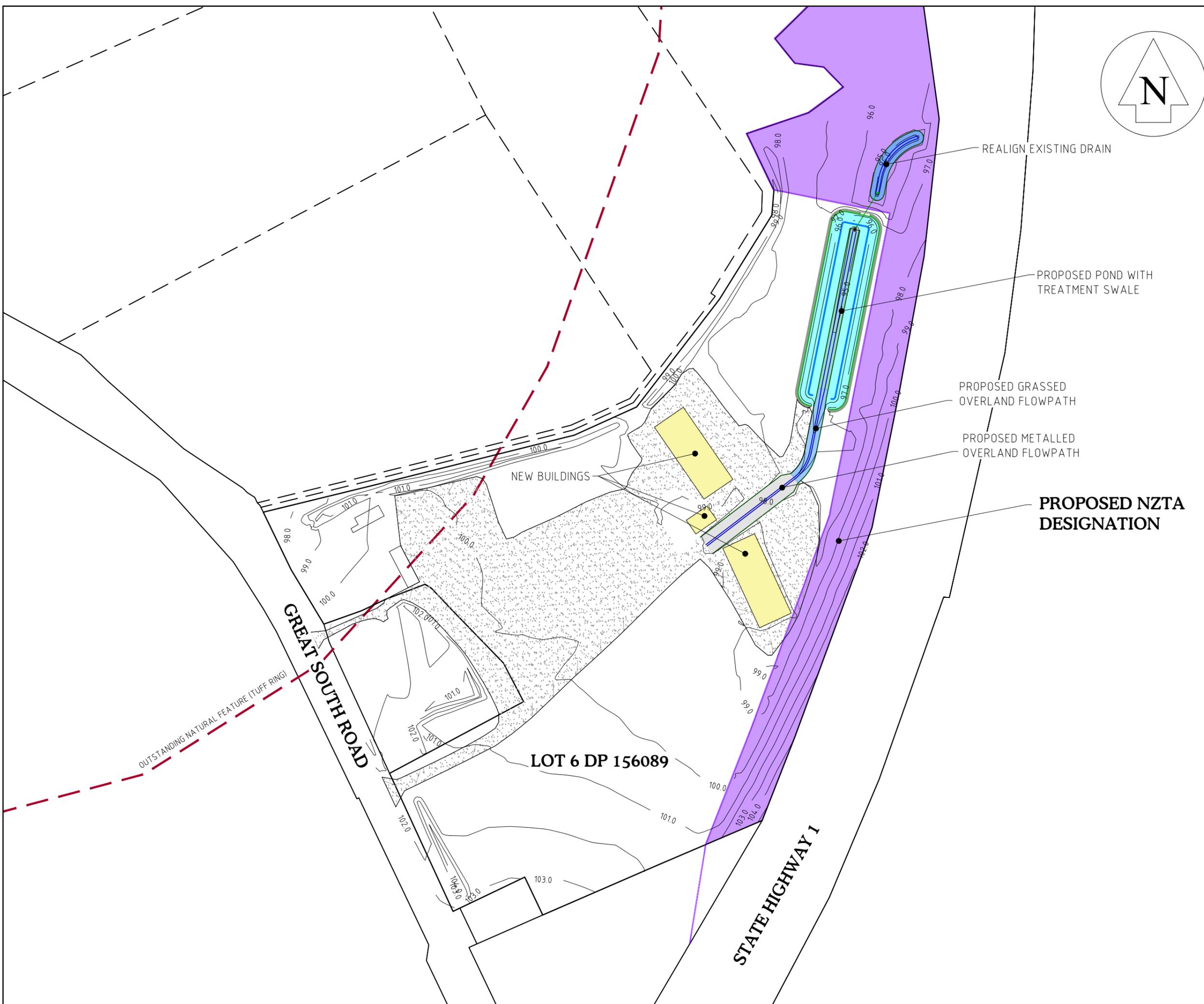
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Job Title
RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

Sheet Title
EROSION & SEDIMENT CONTROL DETAILS

Project	J2224	Drawing	J2224-6
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	NTS	Amendment	C



- GENERAL NOTES**
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 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

LEGEND

PROPOSED CONTOURS (1.0m INTERVALS)	
OUTSTANDING NATURAL FEATURE (TUFF RING)	
PROPOSED NZTA DESIGNATION	
METAL	
NEW BUILDINGS	
OVERLAND FLOWPATH (GRASSED)	
OVERLAND FLOWPATH (METALLED)	

Amendments	Name	Date
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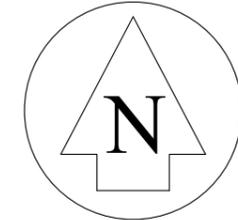
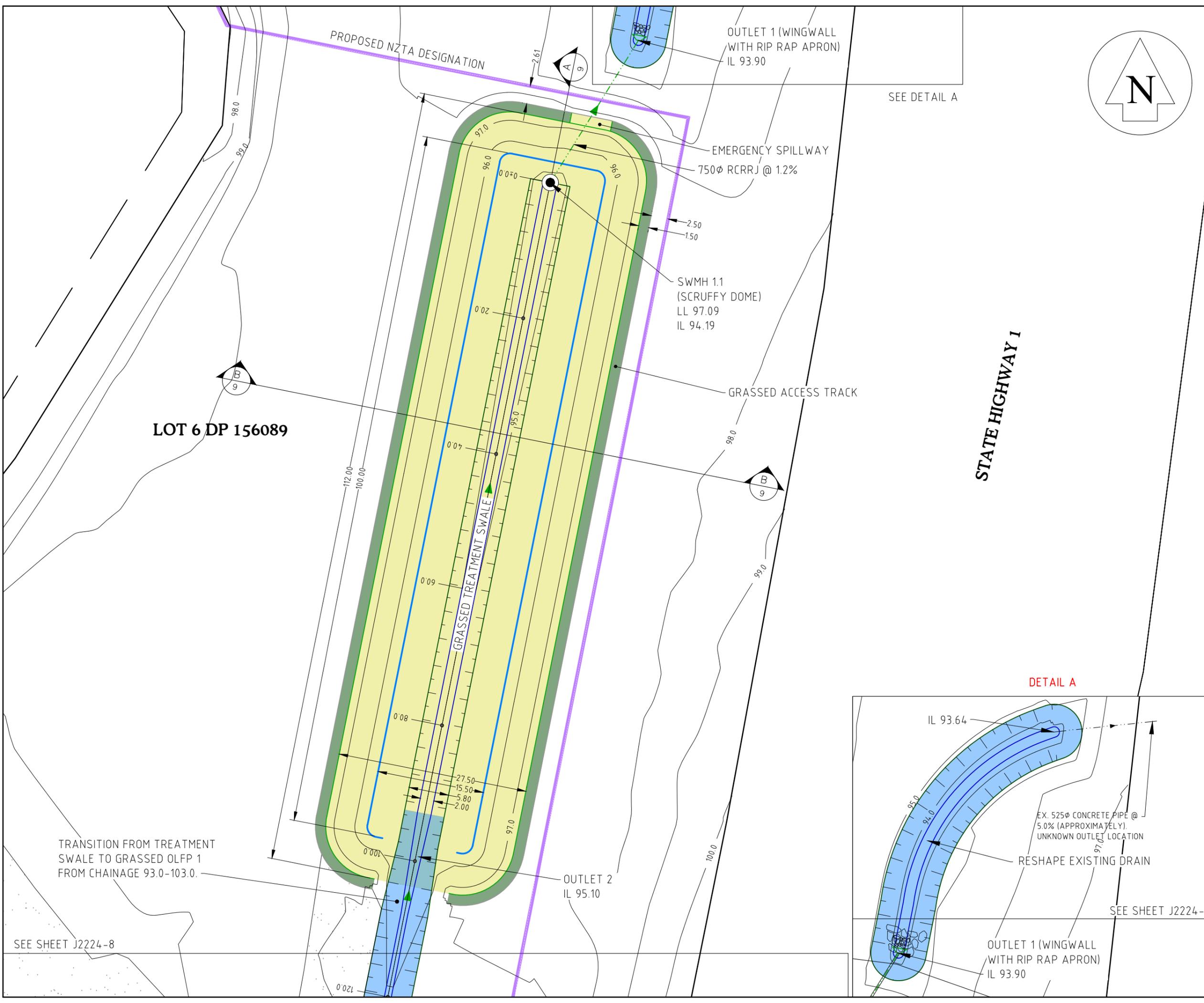

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Sheet Title
OVERALL STORMWATER PLAN

Project	J2224	Drawing	J2224-8
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- GENERAL NOTES
1. LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 3. CONTRACTOR TO VERIFY POSITION OF EXISTING SERVICE CONNECTION PRIOR TO EXCAVATION.
 4. CONTRACTOR TO CONTACT TSC LIMITED PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.

LEGEND

PROPOSED CONTOURS	
PROPOSED NZTA DESIGNATION	
PROPOSED STORMWATER	
PROPOSED STORMWATER MANHOLE	
TREATMENT SWALE	
OVERLAND FLOWPATH	

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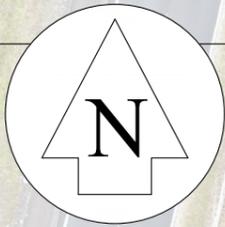
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RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

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SEE SHEET J2224-7

TRANSITION FROM GRASSED
OLFP TO METALLED OLFP FROM
CHAINAGE 148.0 TO 153.0.

PROPOSED NZTA DESIGNATION

RESHAPE EXISTING METAL
TO FORM METALLED OLFP
(EDGE OF SWALE TO BE AT
LEAST 225mm BELOW TOP
OF BUILDING SLAB (FFL))

METALLED OVERLAND FLOWPATH 2

STATE HIGHWAY 1

LOT 6 DP 156089

SHED

OFFICE

SHED

METAL

METAL



120.0
6.30
1.00

140.0

150.0

160.0

170.0

180.0

190.0

200.0

210.0

220.0

230.0

240.0

250.0

101.0

102.0

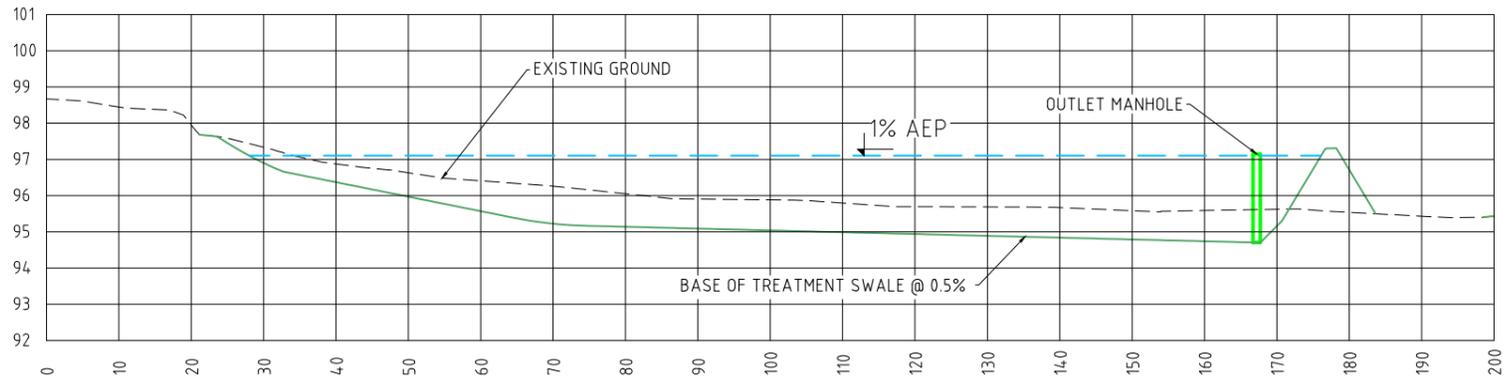
99.0

200.0

209.5

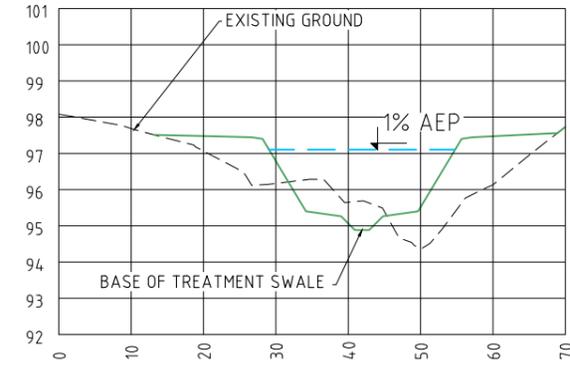
99.0

99.0



CROSS SECTION A

HOR. SCALE 1:1000
VERT. SCALE 1:200



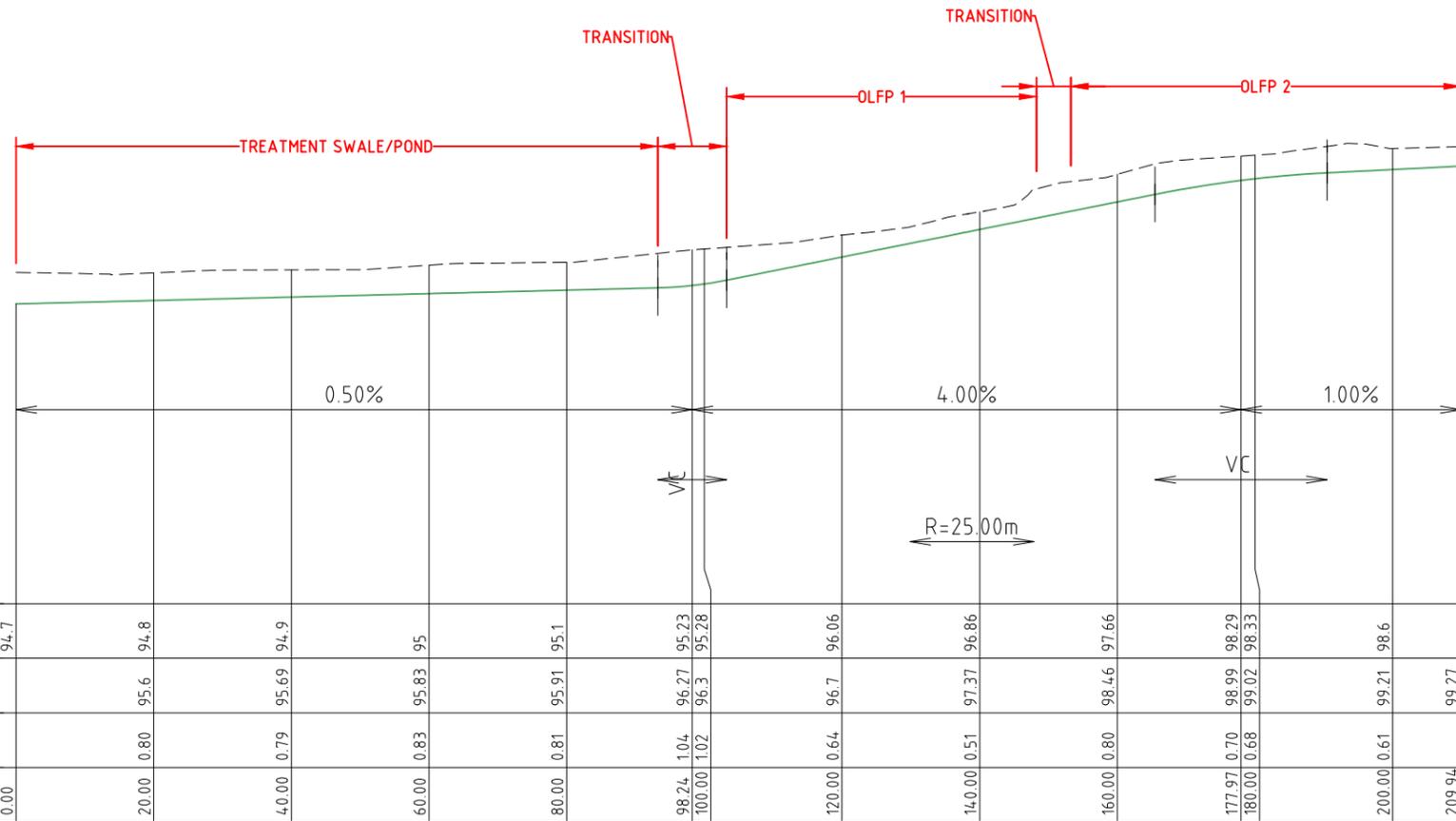
CROSS SECTION B

HOR. SCALE 1:1000
VERT. SCALE 1:200

- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 - CONTRACTOR TO VERIFY POSITION OF EXISTING SERVICE CONNECTION PRIOR TO EXCAVATION.
 - CONTRACTOR TO CONTACT TSC LIMITED PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.

LEGEND

EXISTING SURFACE	
DESIGN SURFACE	



SWALE/OVERLAND FLOWPATH LONG SECTION

HOR. SCALE 1:1000
VERT. SCALE 1:200

Amendments	Name	Date
C	S92	JL 10/25
B	S92	JL 09/25
A	S92	SF 04/25

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	Name	Date
Surveyed	Lewis Jones	07/24
Designed	Sam Furniss	02/25
Drawn	Sam Furniss	02/25
Checked	Avneet Kumar	02/25
Approved	Craig Forrester	02/25



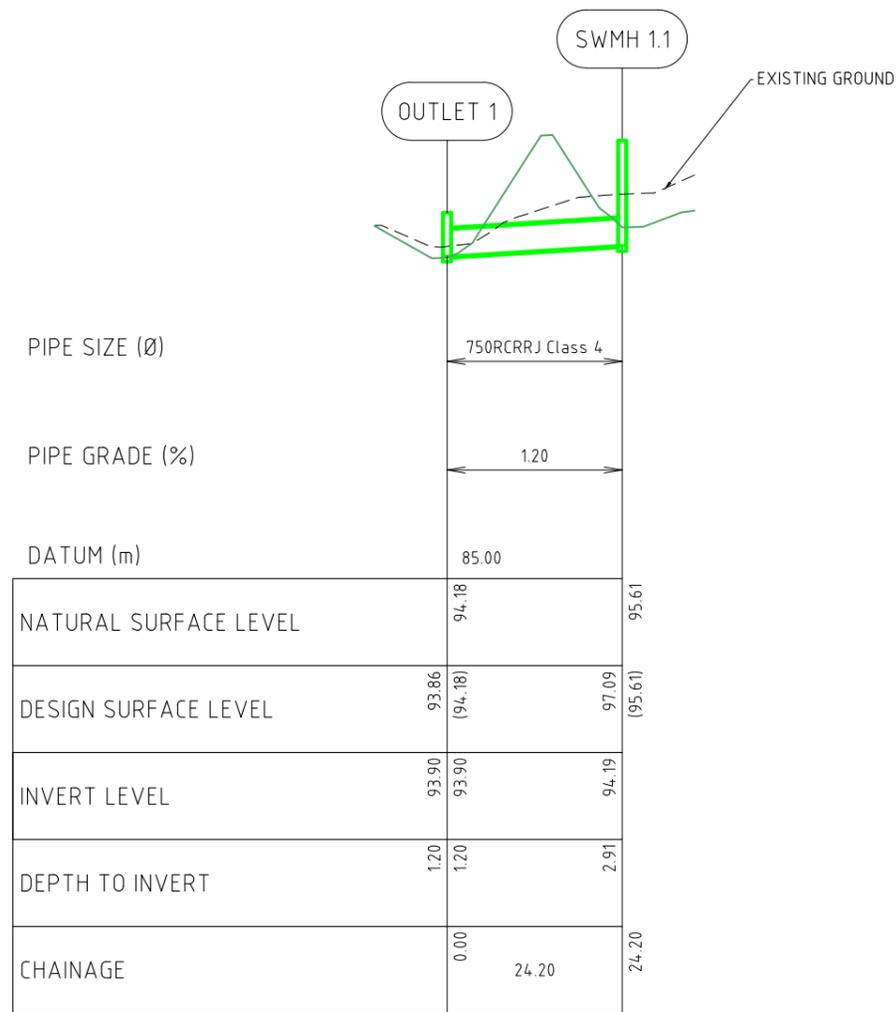
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PH:09 238 9991, FAX: 09 238 9307

Job Title
RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

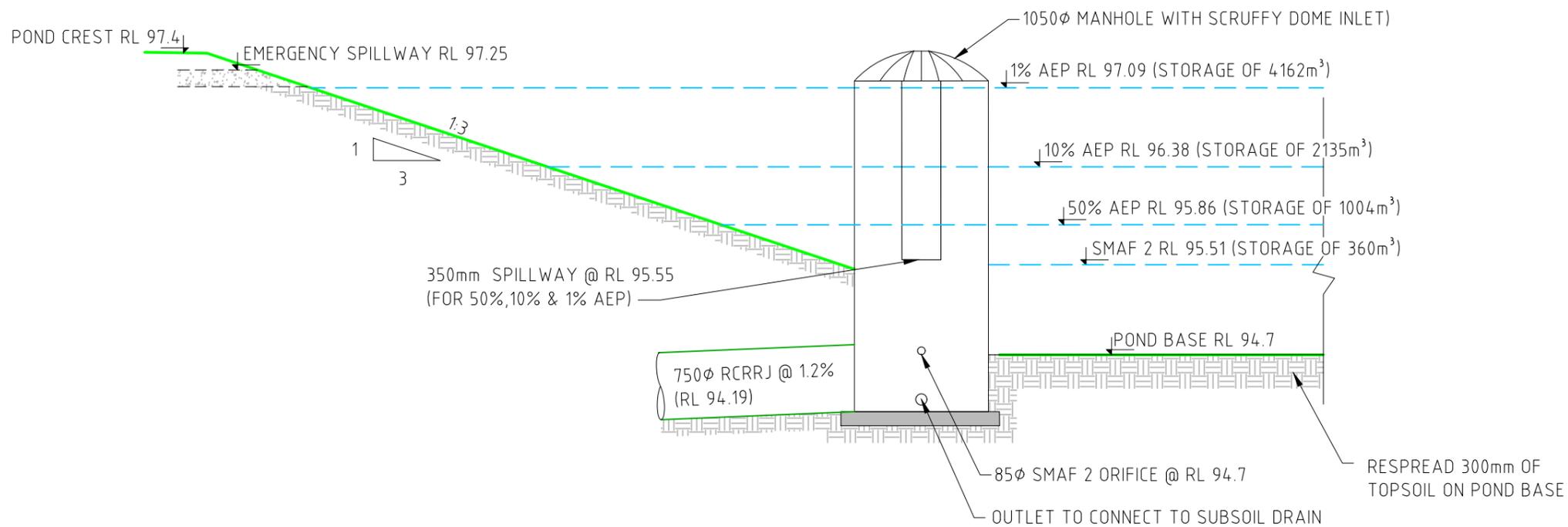
Sheet Title
STORMWATER DETAILS 1

Project	J2224	Drawing	J2224-11
CAD Ref. File	C-502-05	Council Ref.	BUN60444618
Scale (A3 Original)	AS SHOWN	Amendment	C



STORWATER LINE 1

HOR. SCALE 1:1000
VERT. SCALE 1:200



TYPICAL POND OUTLET CROSS SECTION

SCALE 1:50

GENERAL NOTES

- LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
- COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
- CONTRACTOR TO VERIFY POSITION OF EXISTING SERVICE CONNECTION PRIOR TO EXCAVATION.
- CONTRACTOR TO CONTACT TSC LIMITED PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.

LEGEND

EXISTING SURFACE

DESIGN SURFACE

C	S92	JL	10/25
B	S92	JL	09/25
A	S92	SF	04/25
Amendments		Name	Date

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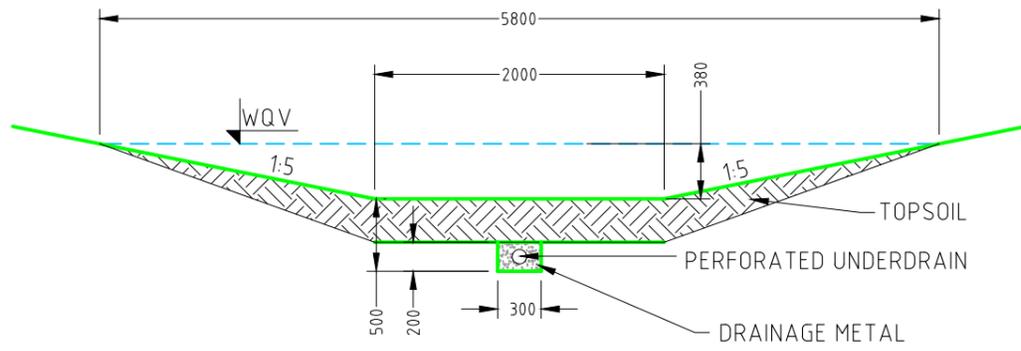
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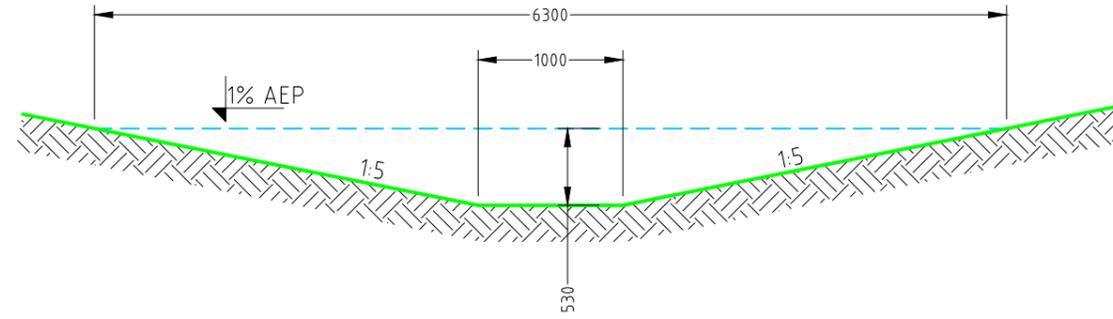
Sheet Title
STORMWATER DETAILS 2

Project		Drawing	
J2224	J2224	J2224-12	J2224-12
CAD Ref. File		Council Ref.	
C-502-05	BUN60444618	BUN60444618	BUN60444618
Scale (A3 Original)		Amendment	
AS SHOWN	C	C	C



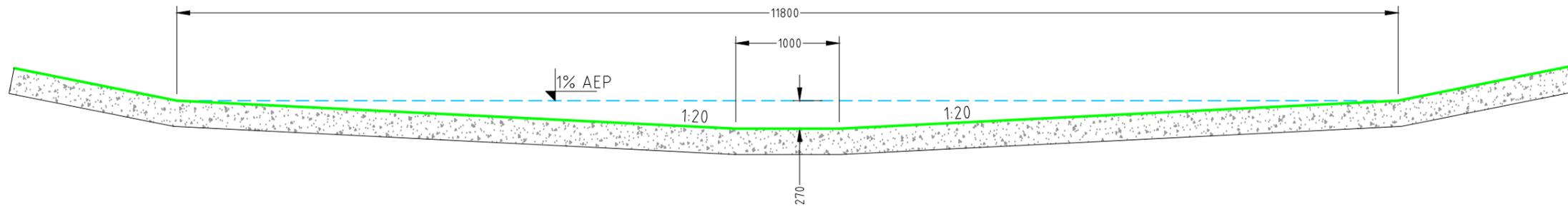
**TYPICAL TREATMENT SWALE CROSS SECTION - GRASED
(CHAINAGE 0.0 - 93.0)**

SCALE 1:50



**TYPICAL OLFP 1 CROSS SECTION - GRASED
(CHAINAGE 103.0 - 148.0)**

SCALE 1:50

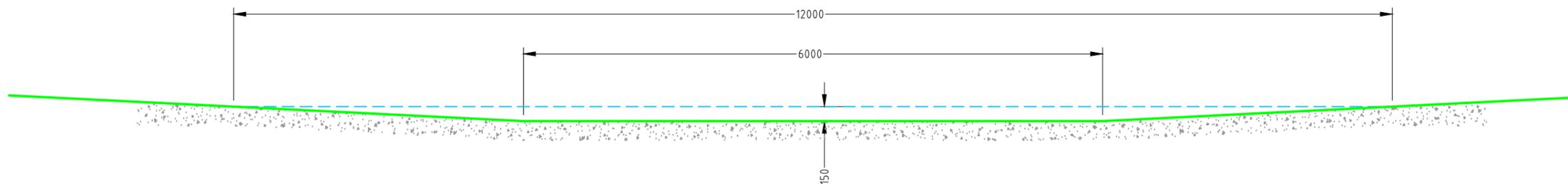


**TYPICAL OLFP 2 CROSS SECTION - METALLED
(CHAINAGE 153.0 - 209.9)**

SCALE 1:50

NOTE:

1. UNDERCUT PROVIDED LEVELS TO ALLOW FOR MINIMUM 100mm OF TOPSOIL FOR OLFP AND MINIMUM 300mm OF TOPSOIL FOR TREATMENT SWALE
2. SWALE TO BE LINED COCONUT MATTING OR SIMILAR APPROVED MATERIAL
3. SUBSOIL TO BE PLACED UNDER TREATMENT SWALE



EMERGENCY SPILLWAY

SCALE 1:50

GENERAL NOTES

1. LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
3. CONTRACTOR TO VERIFY POSITION OF EXISTING SERVICE CONNECTION PRIOR TO EXCAVATION.
4. CONTRACTOR TO CONTACT TSC LIMITED PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.

C	S92	JL	10/25
B	S92	JL	09/25
A	S92	SF	04/25
	Amendments	Name	Date

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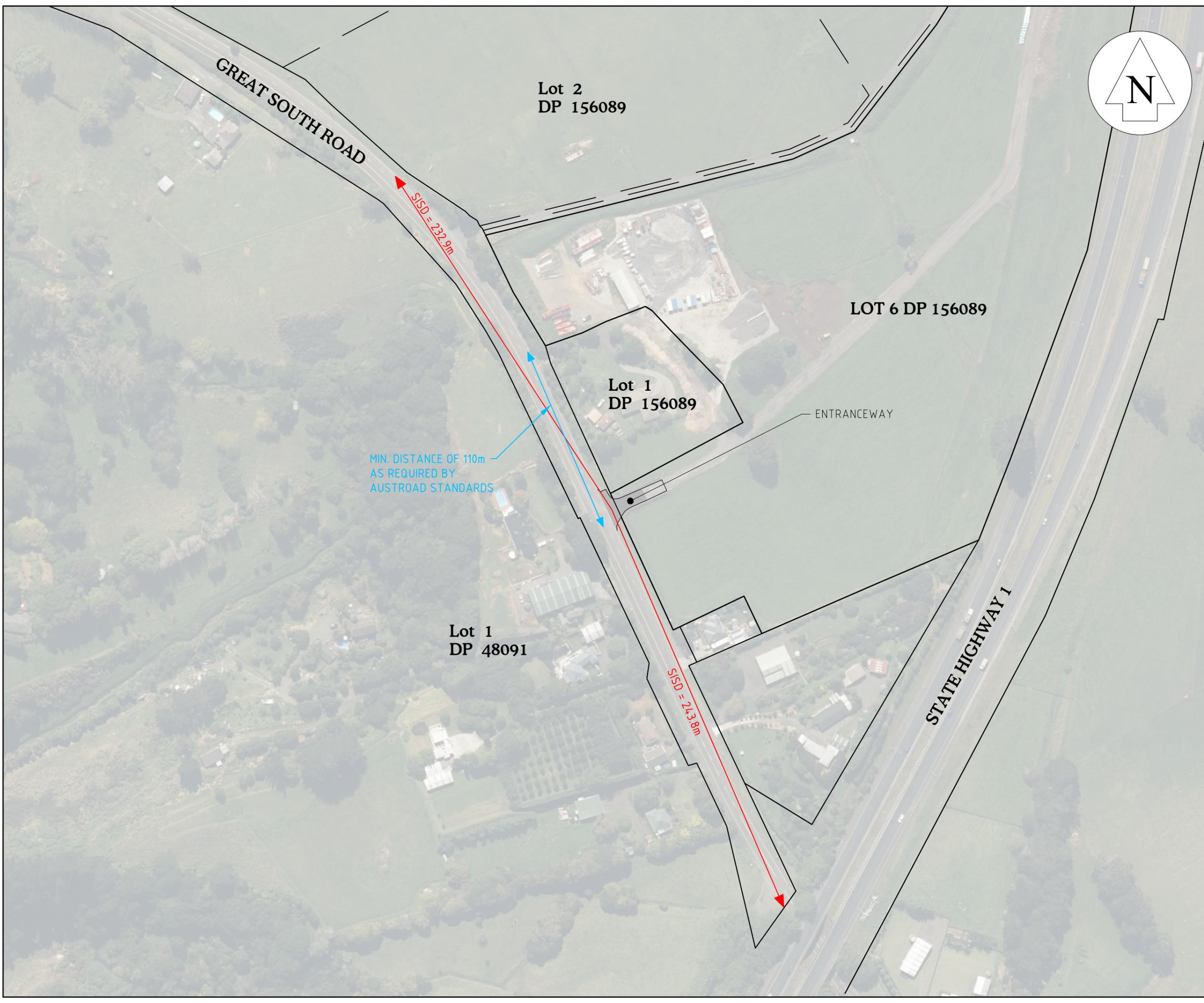
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Job Title
**RETROSPECTIVE WORKS
AT 1799A GREAT SOUTH
ROAD, BOMBAY**

Client
**VERNON
DEVELOPMENTS LTD**

Sheet Title
STORMWATER DETAILS 3

Project		Drawing	
J2224	J2224	J2224-13	J2224-13
CAD Ref. File		Council Ref.	
C-502-05	C-502-05	BUN60444618	BUN60444618
Scale (A3 Original)		Amendment	
AS SHOWN	AS SHOWN	C	C



- GENERAL NOTES
1. LEVELS ARE IN TERMS OF NZVD 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 3. SISD PROVIDED BY TEAM TRAFFIC MEASURED IN ACCORDANCE WITH AUSTRROAD STANDARDS.
 4. CALCULATED 85th PERCENTILE SPEED OF 83km/h DETERMINED BY TRAFFIC COUNT TUBE TESTS (14/10/25 - 20/10/25).
 5. 85th PERCENTILE SPEED OF 83km/h REQUIRES AN SISD = 110m.

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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Drawn	Joseph Lai	05/25
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Approved	Avneet Kumar	05/25



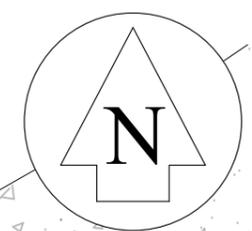
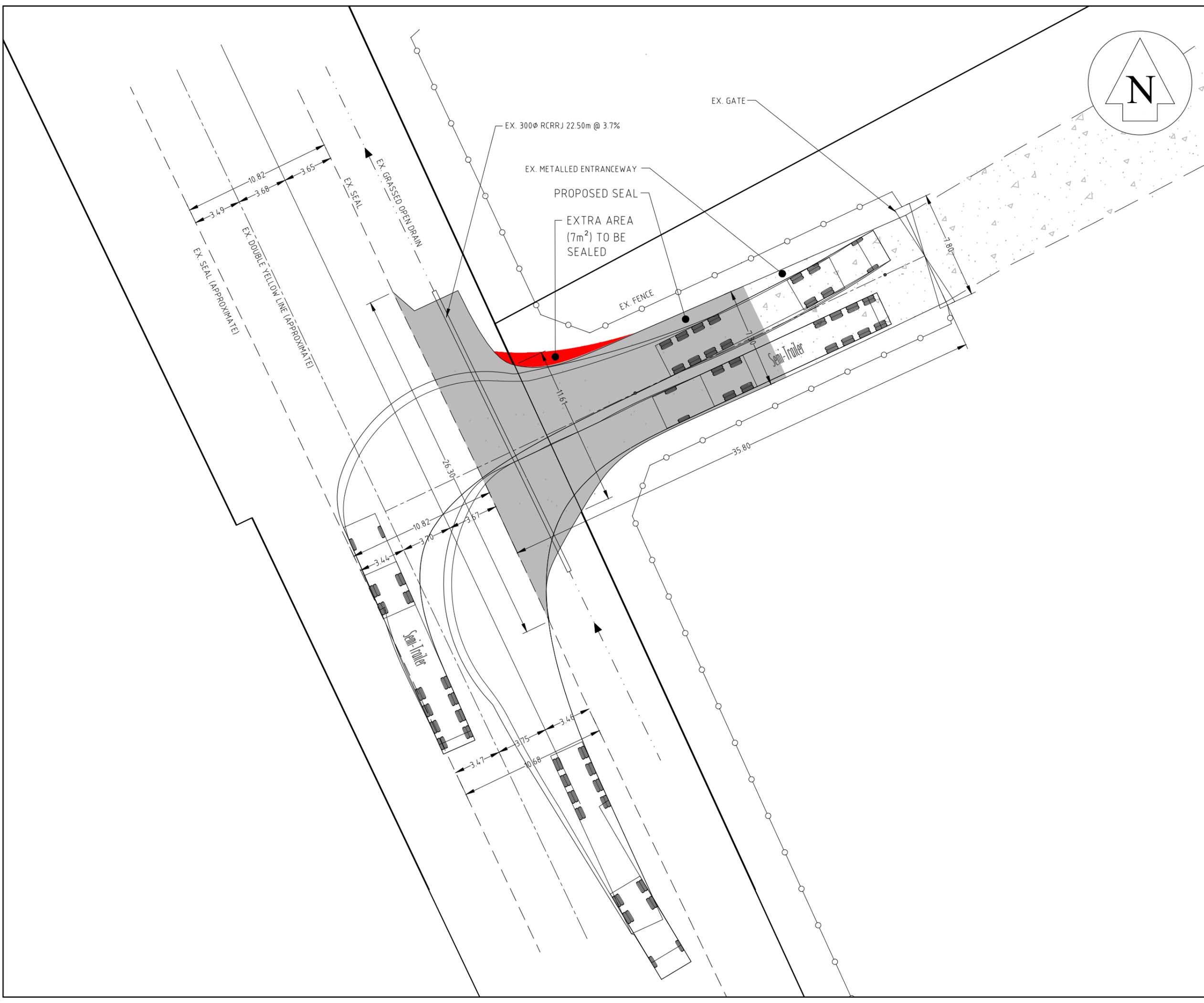
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Job Title
**SUBDIVISION AT 1799A
 GREAT SOUTH ROAD,
 BOMBAY**

Client
**VERNON DEVELOPMENTS
 LTD**

Sheet Title
**SIGHT DISTANCE &
 LOCALITY PLAN**

Project	J2224	Drawing	J2224-1
CAD Ref. File	C-701-07	Council Ref.	BUN60444618
Scale (A3 Original)	1:2000	Amendment	F



- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZVD 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
- EX. WATER TABLE
 - SEAL
 - EX. FENCE
 - PROPOSED SEALED SURFACE
 - EX. METALLED SURFACE
 - EX. GATE

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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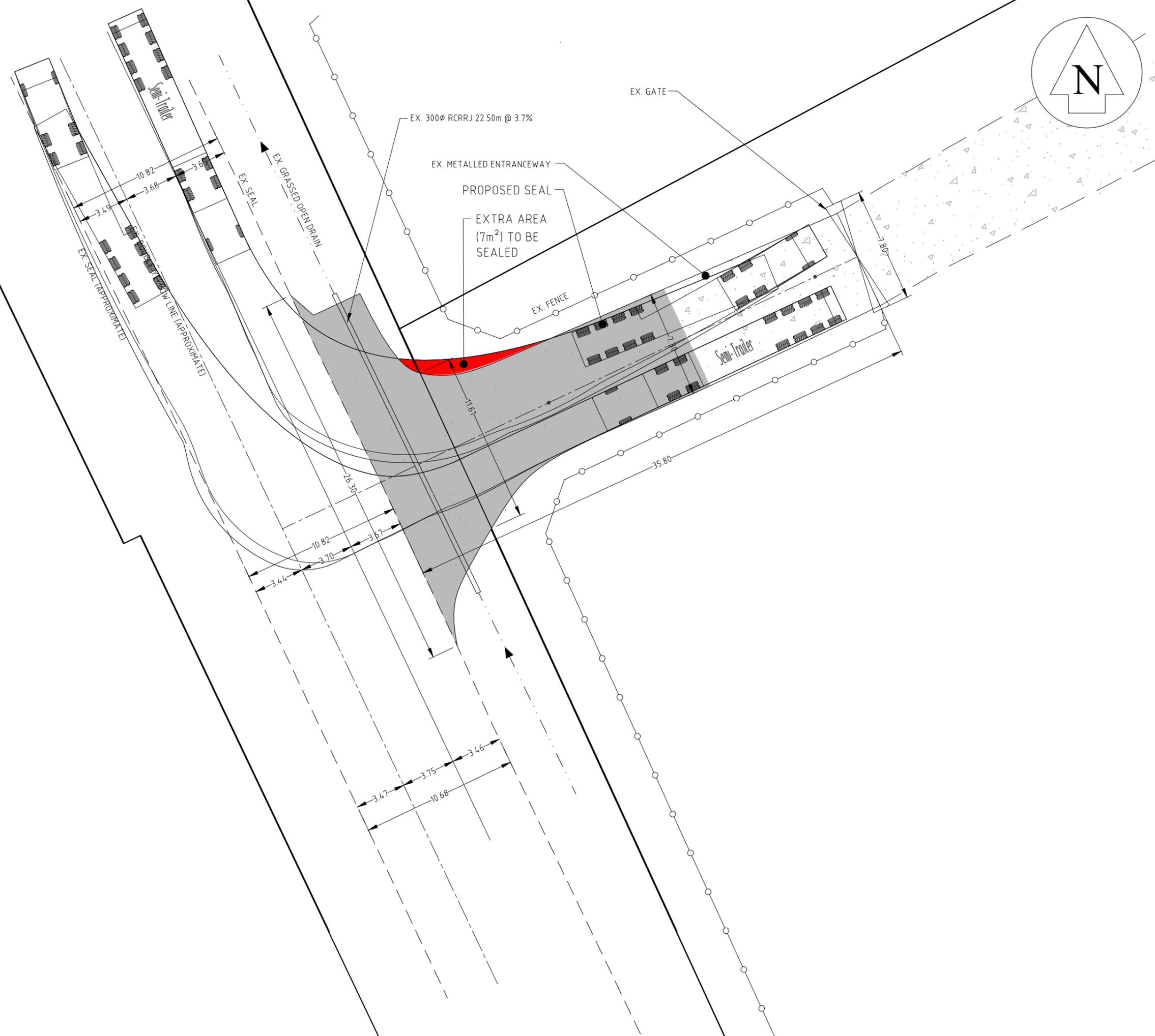
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Job Title
**SUBDIVISION AT 1799A
GREAT SOUTH ROAD,
BOMBAY**

Client
**VERNON DEVELOPMENTS
LTD**

Sheet Title
**ENTRANCEWAY
TRACKING PLAN 2**

Project	J2224	Drawing	J2224-3
CAD Ref. File	C-701-07	Council Ref.	BUN60444618
Scale (A3 Original)	1:250	Amendment	F



GENERAL NOTES
 1. LEVELS ARE IN TERMS OF NZVD 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

- EX. WATER TABLE
- SEAL
- EX. FENCE
- PROPOSED SEALED SURFACE
- ▨ EX. METALLED SURFACE
- ◊ EX. GATE

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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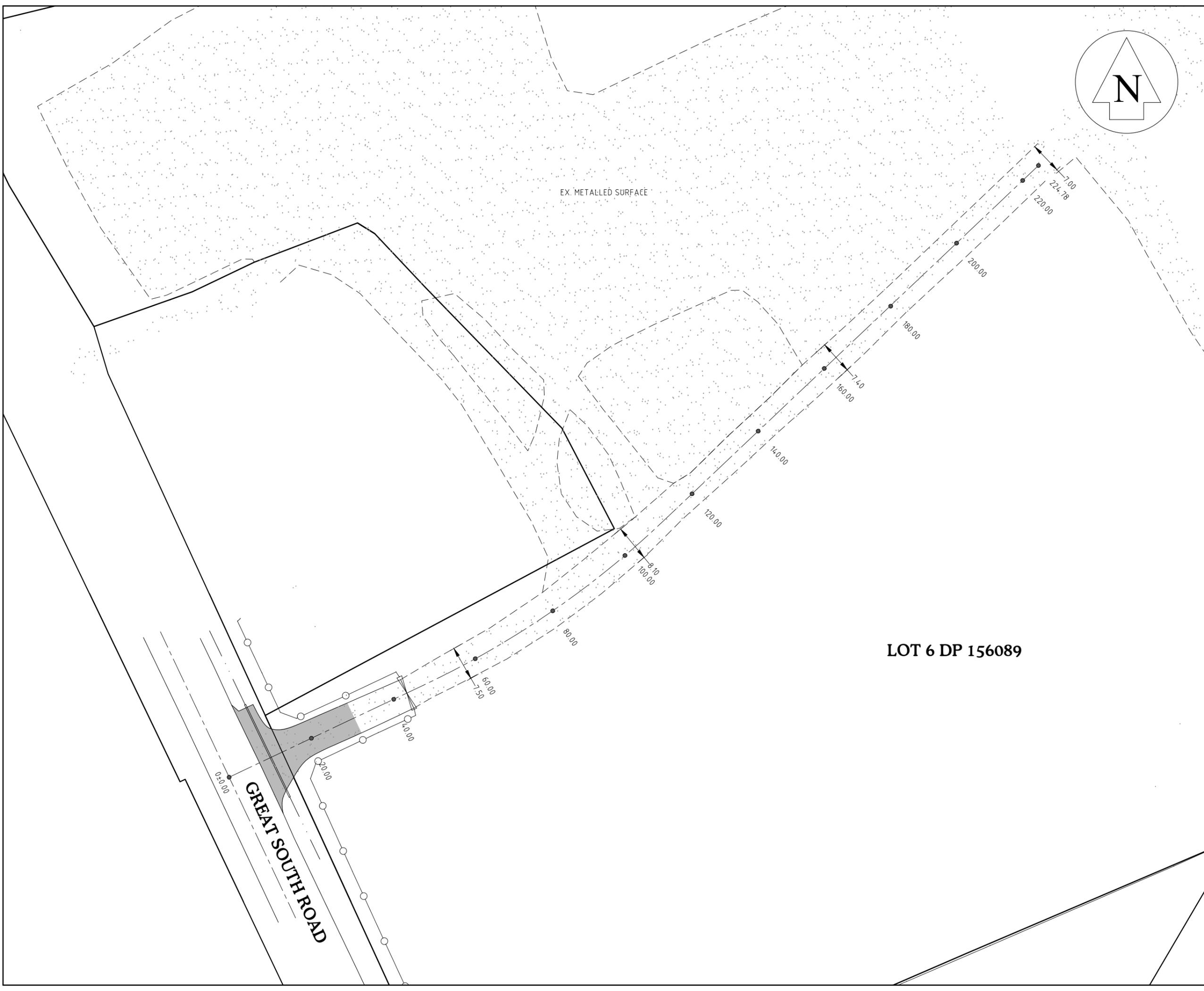
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 PH:09 238 9991, FAX: 09 238 9307

Job Title
**SUBDIVISION AT 1799A
 GREAT SOUTH ROAD,
 BOMBAY**

Client
**VERNON DEVELOPMENTS
 LTD**

Sheet Title
**ENTRANCEWAY
 TRACKING PLAN 3**

Project	J2224	Drawing	J2224-4
CAD Ref. File	C-701-07	Council Ref.	BUN60444618
Scale (A3 Original)	1:250	Amendment	F



- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZVD 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
- STORMWATER
 - EX. WATER TABLE
 - SEAL
 - EX. FENCE
 - PROPOSED SEALED SURFACE
 - EX. METALLED SURFACE
 - EX. GATE

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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LOT 6 DP 156089



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Job Title
**SUBDIVISION AT 1799A
 GREAT SOUTH ROAD,
 BOMBAY**

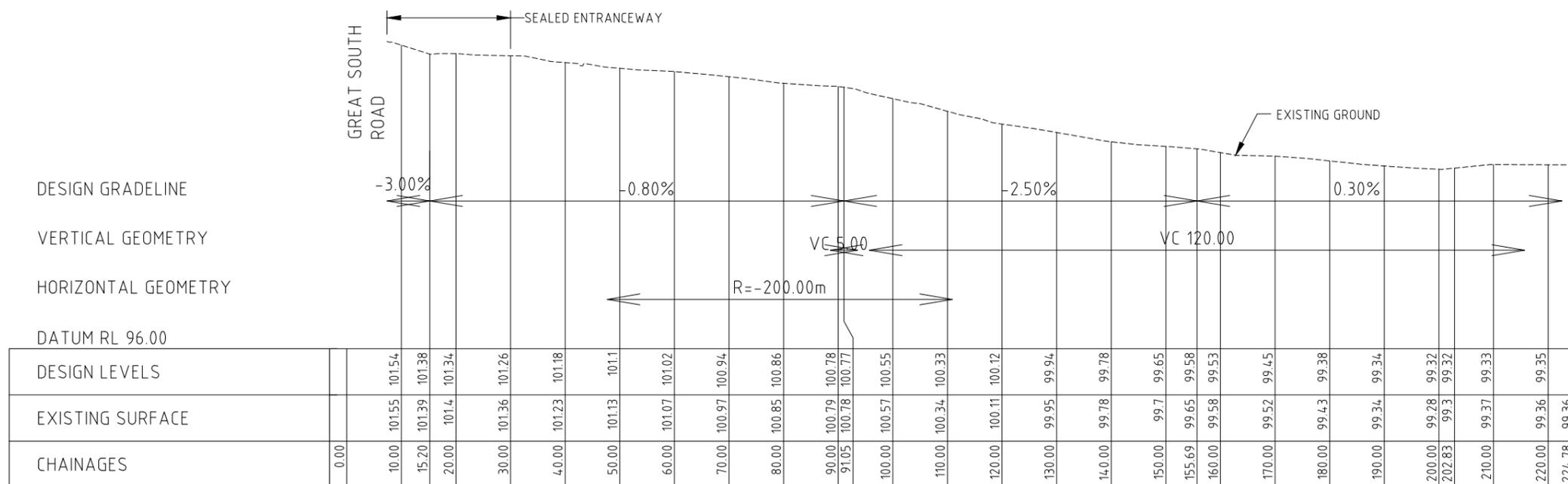
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**VERNON DEVELOPMENTS
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Sheet Title
DRIVEWAY PLAN

Sheet 5 of 8	
Project	J2224
Drawing	J2224-5
CAD Ref. File	C-701-07
Council Ref.	BUN60444618
Scale (A3 Original)	1:750
Amendment	F

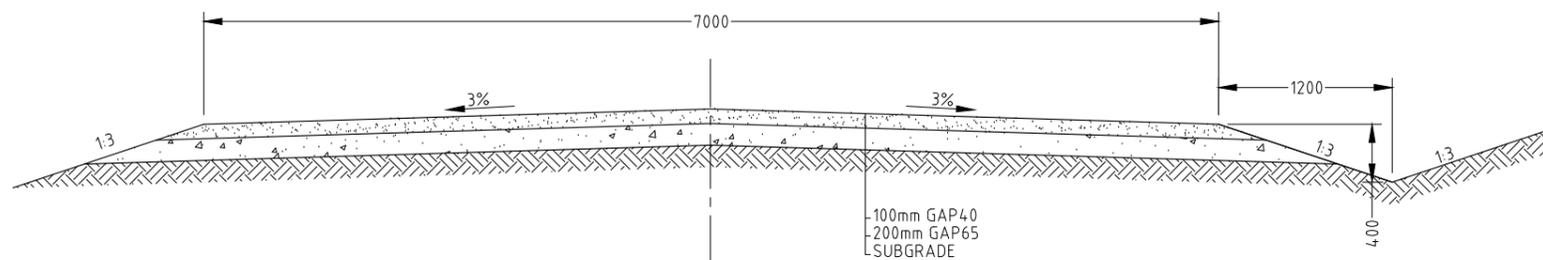
GENERAL NOTES

- LEVELS ARE IN TERMS OF NZVD 2016.
- COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.



DRIVEWAY LONG SECTION

HOR. SCALE 1 : 1000
VERT. SCALE 1 : 100



TYPICAL DRIVEWAY CROSS SECTION

SCALE 1:50

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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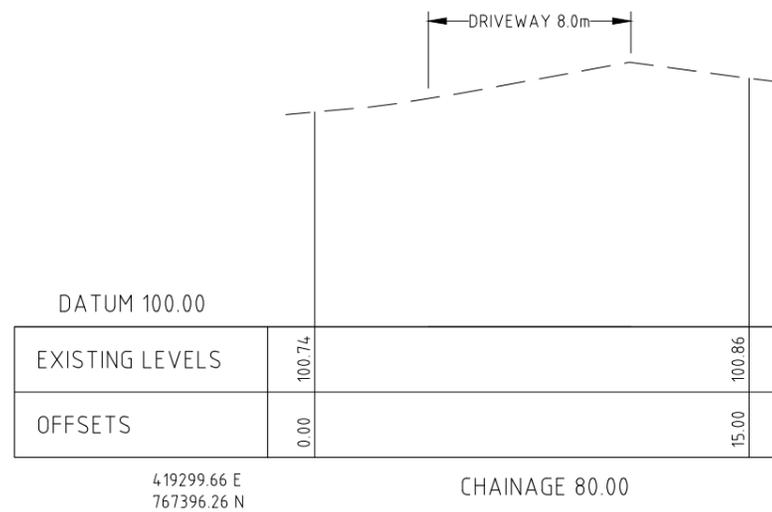
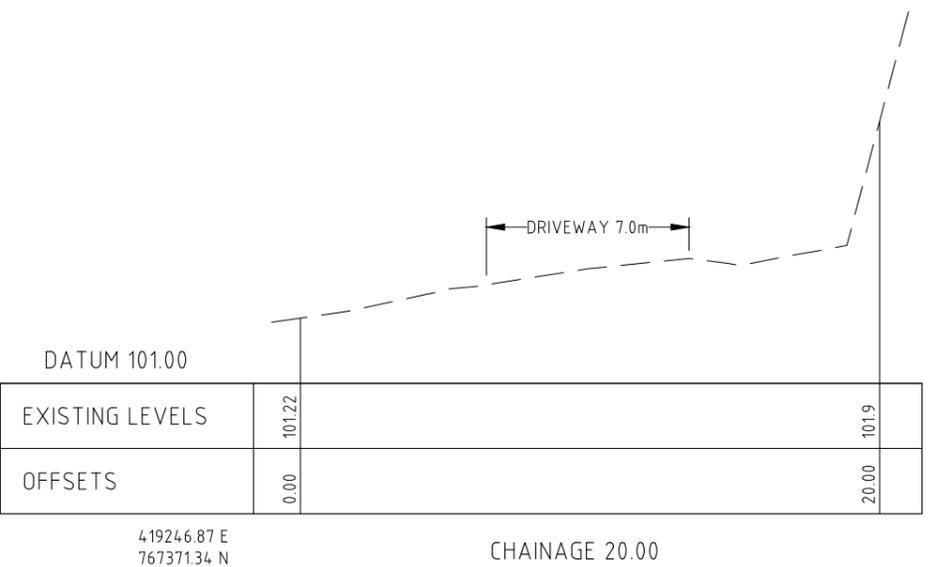
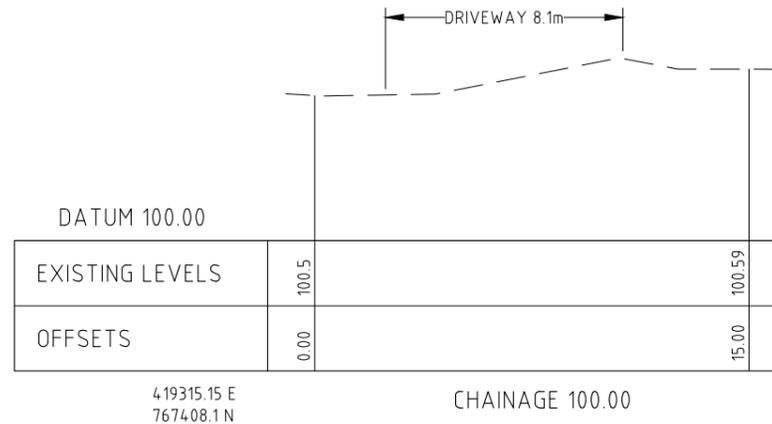
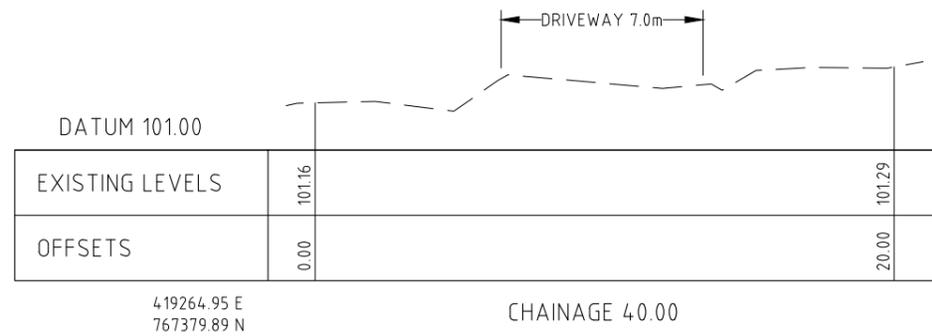
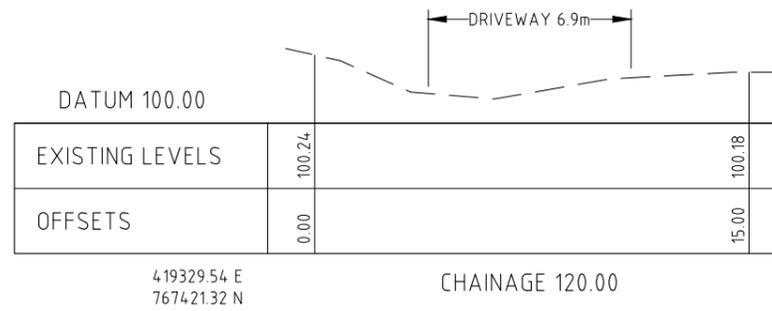
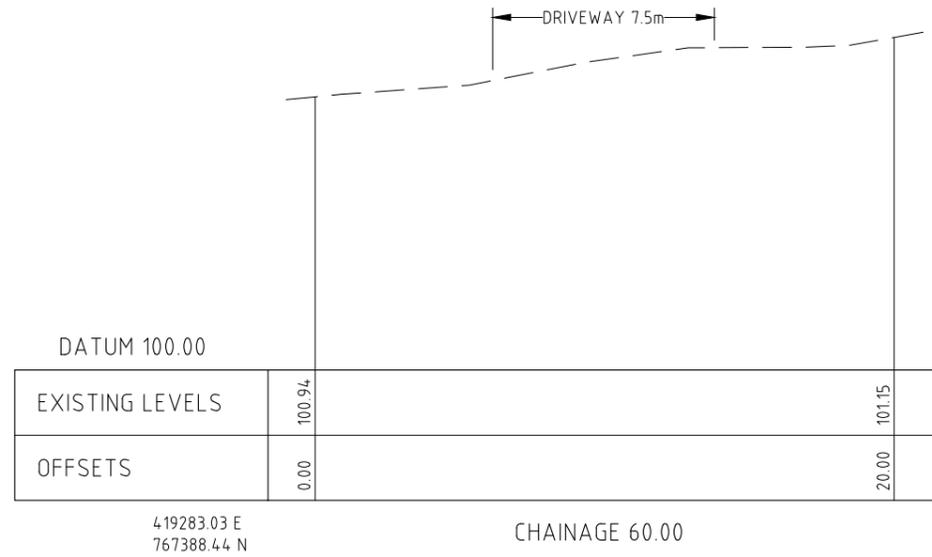
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Job Title
**SUBDIVISION AT 1799A
GREAT SOUTH ROAD,
BOMBAY**

Client
**VERNON DEVELOPMENTS
LTD**

Sheet Title
**TYPICAL DRIVEWAY
LONG & CROSS SECTION**

Project	J2224	Drawing	J2224-6
CAD Ref. File	C-701-07	Council Ref.	BUN60444618
Scale (A3 Original)	AS SHOWN	Amendment	F



GENERAL NOTES
 1. LEVELS ARE IN TERMS OF NZVD 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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 THE SURVEYING COMPANY
 Planners, Surveyors & Engineers

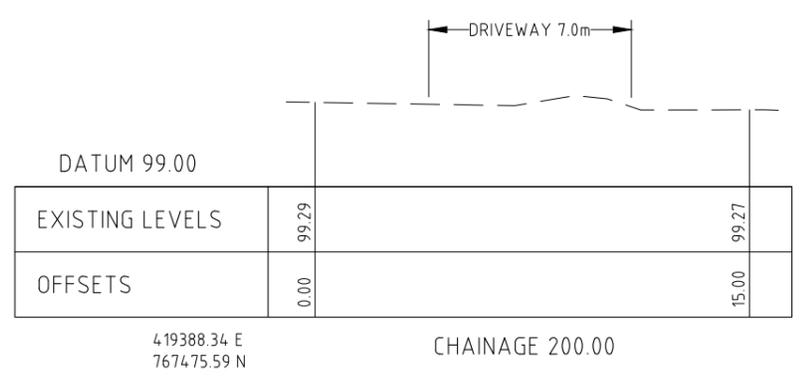
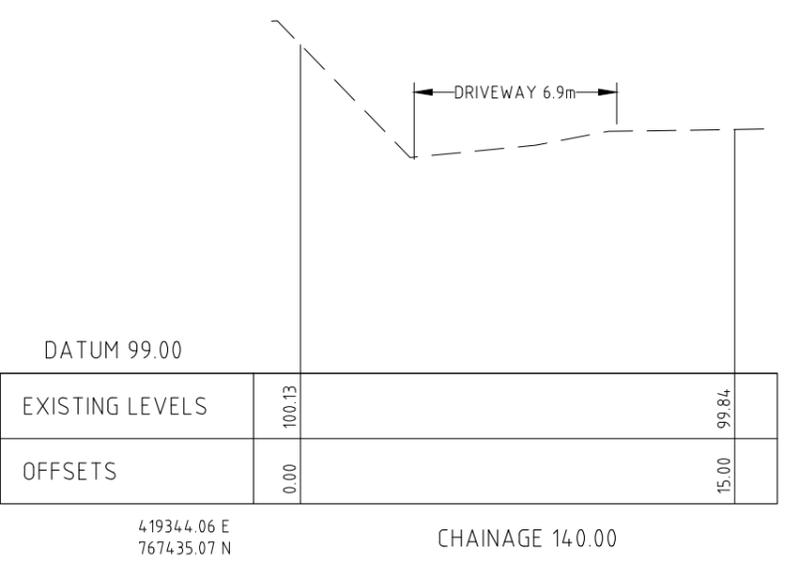
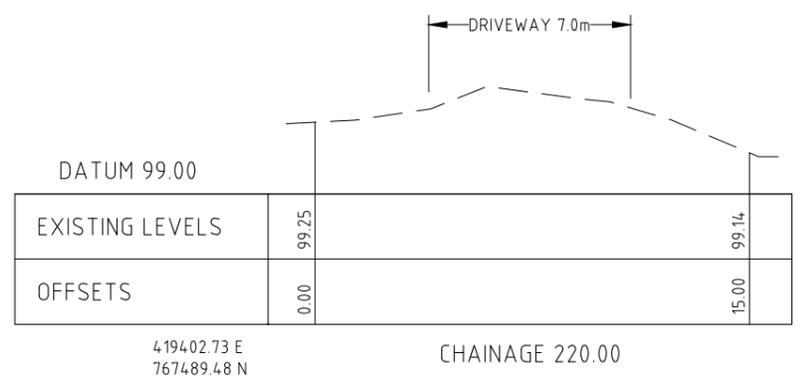
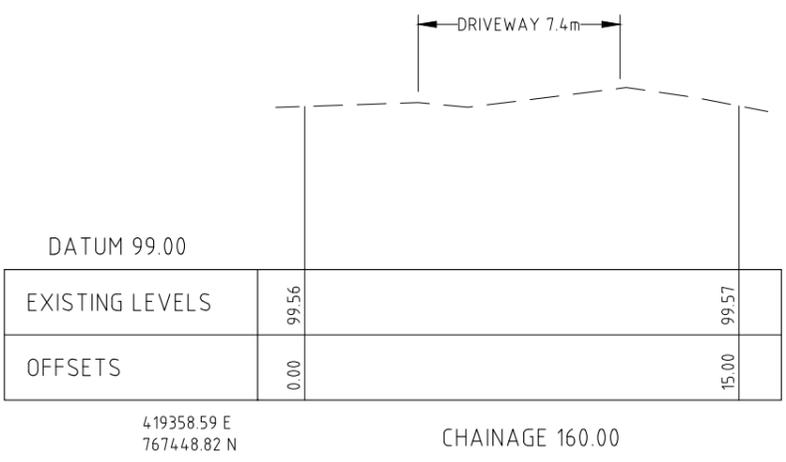
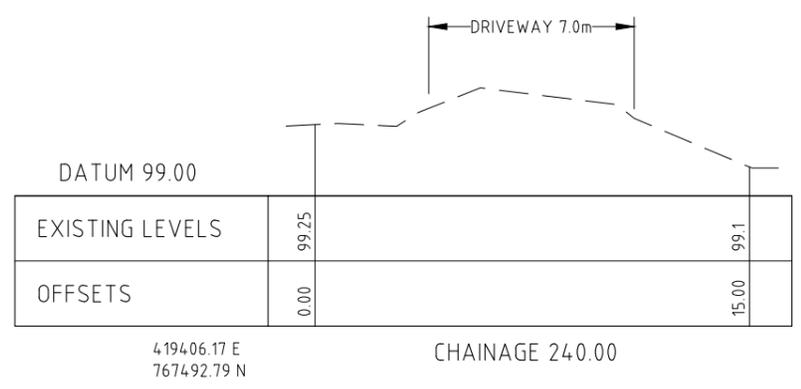
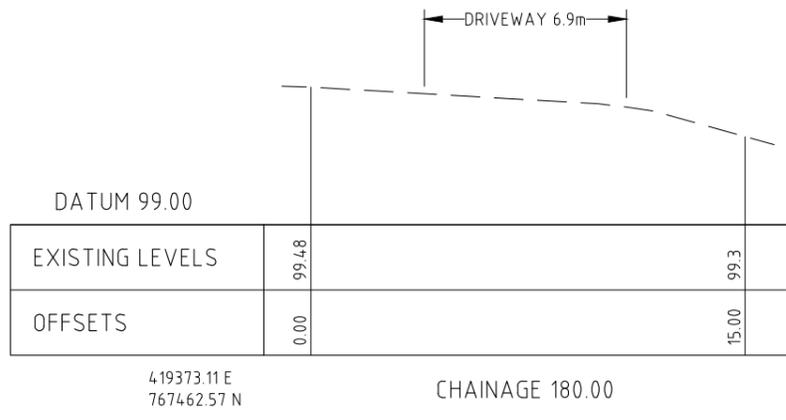
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Job Title
**SUBDIVISION AT 1799A
 GREAT SOUTH ROAD,
 BOMBAY**

Client
**VERNON DEVELOPMENTS
 LTD**

Sheet Title
**DRIVEWAY CROSS
 SECTIONS 1**

Project	J2224	Drawing	J2224-7
CAD Ref. File	C-701-07	Council Ref.	BUN60444618
Scale (A3 Original)	Horz Scale 1:250 Vert Scale 1:25	Amendment	F



GENERAL NOTES
 1. LEVELS ARE IN TERMS OF NZVD 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.

Amendments	Name	Date
F	GENERAL NOTES UPDATED	JL 11/25
E	RFI	JL 11/25
D	TRACKING UPDATED	JL 10/25
C	CROSS SECTIONS ADDED	JL 09/25
B	SIGHT DISTANCE & TRACKING	JL 06/25
A	LS & DETAILS ADDED	JL 05/25

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 Verify all dimensions on site before commencing any work. Refer to all figured dimensions. Refer all discrepancies to TSC Ltd.

	Name	Date
Surveyed	Lewis Jones	07/24
Designed	Joseph Lai	05/25
Drawn	Joseph Lai	05/25
Checked	Sam Furniss	05/25
Approved	Avneet Kumar	05/25



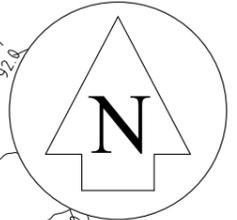
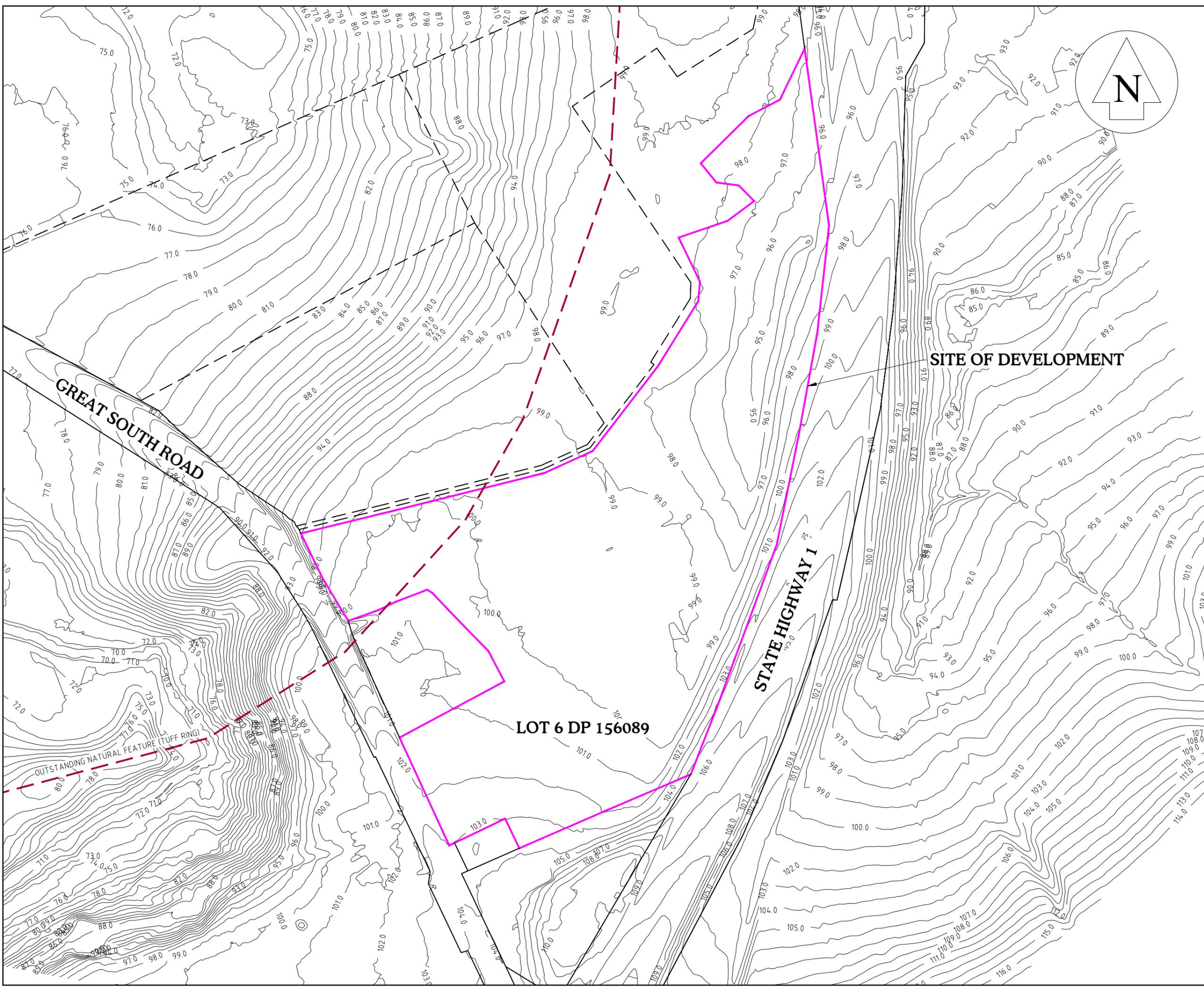
0800 TO SURVEY (0800 86 78 78)
 e-mail: info@subdivision.co.nz
 LEVEL 1,17 HALL STREET, PUKEKOHE, NEW ZEALAND
 PH:09 238 9991, FAX: 09 238 9307

Job Title
SUBDIVISION AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

Sheet Title
DRIVEWAY CROSS SECTIONS 2

Project	J2224	Drawing	J2224-8
CAD Ref. File	C-701-07	Council Ref.	BUN60444618
Scale (A3 Original)	Horz Scale 1:250 Vert Scale 1:25	Amendment	F



- GENERAL NOTES**
1. LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 2. COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 3. PRE-DEVELOPMENT CONTOURS SOURCED FROM AUCKLAND COUNCIL GEOMAPS.

LEGEND

EXISTING CONTOURS	
OUTSTANDING NATURAL FEATURE (TUFF RING)	

Amendments	Name	Date

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	Name	Date
Surveyed	Auckland Council Geomaps	N/A
Designed	--	N/A
Drawn	Sam Furniss	02/25
Checked	Avneet Kumar	02/25
Approved	Craig Forrester	02/25



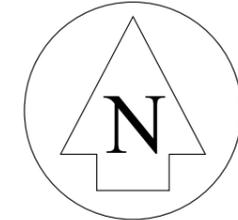
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Job Title
RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

Sheet Title
PRE-DEVELOPMENT CONTOUR PLAN

Project	J2224	Drawing	J2224-1
CAD Ref. File	C-501-01	Council Ref.	----
Scale (A3 Original)	1:2500	Amendment	----



- GENERAL NOTES**
- LEVELS ARE IN TERMS OF NZ VERTICAL DATUM 2016.
 - COORDINATES ARE IN TERMS OF MOUNT EDEN CIRCUIT 2000.
 - EARTHWORKS VOLUMES ARE FROM EXISTING SURFACE TO THE EARTHWORKED SURFACE AND ARE:
 - TOPSOIL VOLUME 9,995m³
 - TOTAL CUT 1,542m³
 - TOTAL FILL 4,491m³
 - MAX CUT DEPTH 0.5m
 - MAX FILL DEPTH 2.0m
 - EARTHWORKS AREA IS 29,973m².

LEGEND

DEPTH CONTOUR (0.5m INTERVAL)

EARTHWORKS AREA

OUTSTANDING NATURAL FEATURE (TUFF RING)

CUT/FILL RANGE	
-1.0 to -0.5m	
-0.5 to 0.0m	
0.0 to 0.5m	
0.5 to 1.0m	

Amendments	Name	Date

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	Name	Date
Surveyed	Lewis Jones	07/24
Designed	--	N/A
Drawn	Sam Furniss	02/25
Checked	Avneet Kumar	02/25
Approved	Craig Forrester	02/25



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Job Title
RETROSPECTIVE WORKS AT 1799A GREAT SOUTH ROAD, BOMBAY

Client
VERNON DEVELOPMENTS LTD

Sheet Title
ISOPACH PLAN

Project		Drawing	
J2224	J2224	J2224-3	J2224-3
CAD Ref. File		Council Ref.	
C-501-01	C-501-01	----	----
Scale (A3 Original)		Amendment	
1:2500	1:2500	----	----