

**LEGEND:**

- DESIGNATION BOUNDARY
- LANDFILL OPERATIONAL EXTENTS
- DESIGN LANDFILL FOOTPRINT
- LFG MONITORING BORE

**NOTES:**

- EXISTING CONTOUR DATA SUPPLIED BY STANTEC CONSULTANTS (2018).
- LFG MONITORING BORE NETWORK BASED ON GUIDANCE FROM APPENDIX B OF EPA VICTORIA (AUSTRALIA) (2015) BEST PRACTICE ENVIRONMENTAL MANAGEMENT (BPEM).

**FOR CONSENT  
NOT FOR CONSTRUCTION**

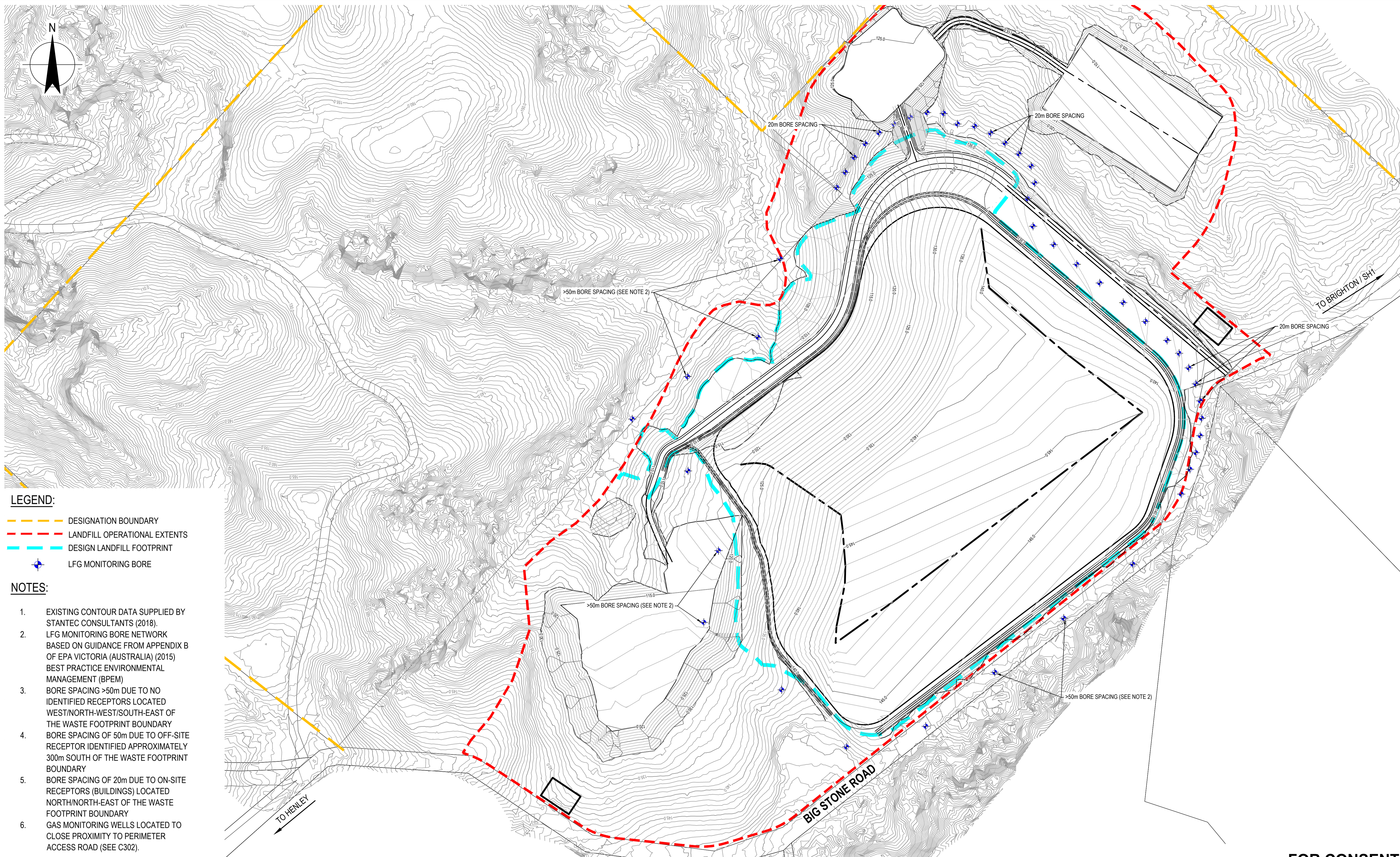
2	RE-ISSUE FOR CONSENT	RG	NE*	SD*	21.05.20
1	FOR CONSENT	SLP	NE*	SD*	14.08.20
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director



**DO NOT SCALE**  
GHD Pty Ltd  
Conditions of Use.  
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	R. GERONIMO	Designer	M. WELSH
Drafting Check	G. DOUGHERTY*	Design Check	N. ELDRED*
Approved (Project Director)	S. DOUGLASS*		
Date	14.08.20		
Scale	1 : 2000		

Client	DUNEDIN CITY COUNCIL
Project	SMOOTH HILL LANDFILL
Title	LANDFILL GAS MANAGEMENT LFG BORE MONITORING NETWORK (EXTREME)
Original Size	A1
Drawing No:	12506381-01-C503
Rev:	2



LEGEND:

- DESIGNATION BOUNDARY
- LANDFILL OPERATIONAL EXTENTS
- DESIGN LANDFILL FOOTPRINT
- LFG MONITORING BORE

NOTES:

- EXISTING CONTOUR DATA SUPPLIED BY STANTEC CONSULTANTS (2018).
- LFG MONITORING BORE NETWORK BASED ON GUIDANCE FROM APPENDIX B OF EPA VICTORIA (AUSTRALIA) (2015) BEST PRACTICE ENVIRONMENTAL MANAGEMENT (BPEM)
- BORE SPACING >50m DUE TO NO IDENTIFIED RECEPTORS LOCATED WEST/NORTH-WEST/SOUTH-EAST OF THE WASTE FOOTPRINT BOUNDARY
- BORE SPACING OF 50m DUE TO OFF-SITE RECEPTOR IDENTIFIED APPROXIMATELY 300m SOUTH OF THE WASTE FOOTPRINT BOUNDARY
- BORE SPACING OF 20m DUE TO ON-SITE RECEPTORS (BUILDINGS) LOCATED NORTH/NORTH-EAST OF THE WASTE FOOTPRINT BOUNDARY
- GAS MONITORING WELLS LOCATED TO CLOSE PROXIMITY TO PERIMETER ACCESS ROAD (SEE C302).

FOR CONSENT  
NOT FOR CONSTRUCTION

2	RE-ISSUE FOR CONSENT	RG	NE*	SD*	21.05.21
1	FOR CONSENT	SLP	NE*	SD*	14.08.20
No	Revision	Note: * Indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director

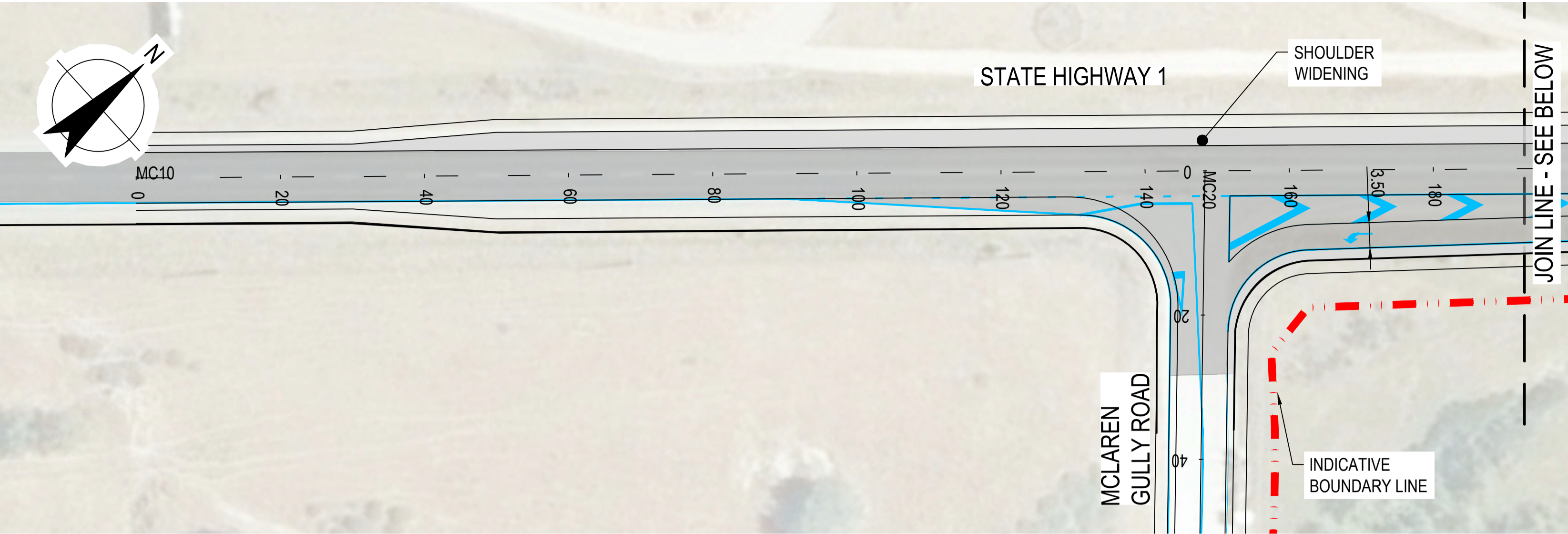


**DO NOT SCALE**  
GHD Pty Ltd  
Conditions of Use.  
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

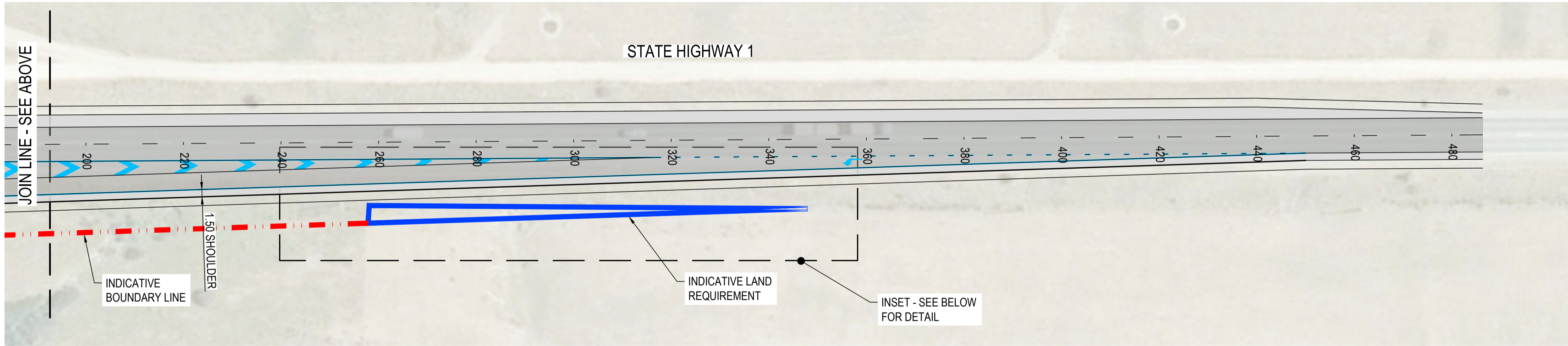
Drawn	R. GERONIMO	Designer	M. WELSH
Drafting Check	G. DOUGHERTY*	Design Check	N. ELDRED*
Approved (Project Director)	S. DOUGLASS*		
Date	14.08.20		
Scale	1 : 2000		

Client	DUNEDIN CITY COUNCIL
Project	SMOOTH HILL LANDFILL
Title	LANDFILL GAS MANAGEMENT LFG BORE MONITORING NETWORK (RECOMMENDED)
Original Size	A1
Drawing No:	12506381-01-C504
Rev:	2

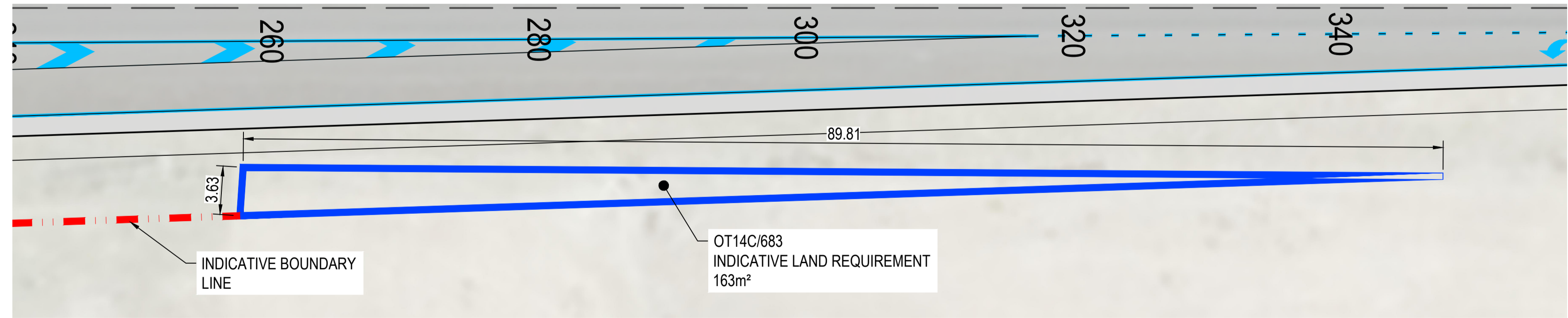




PLAN  
SCALE 1:500



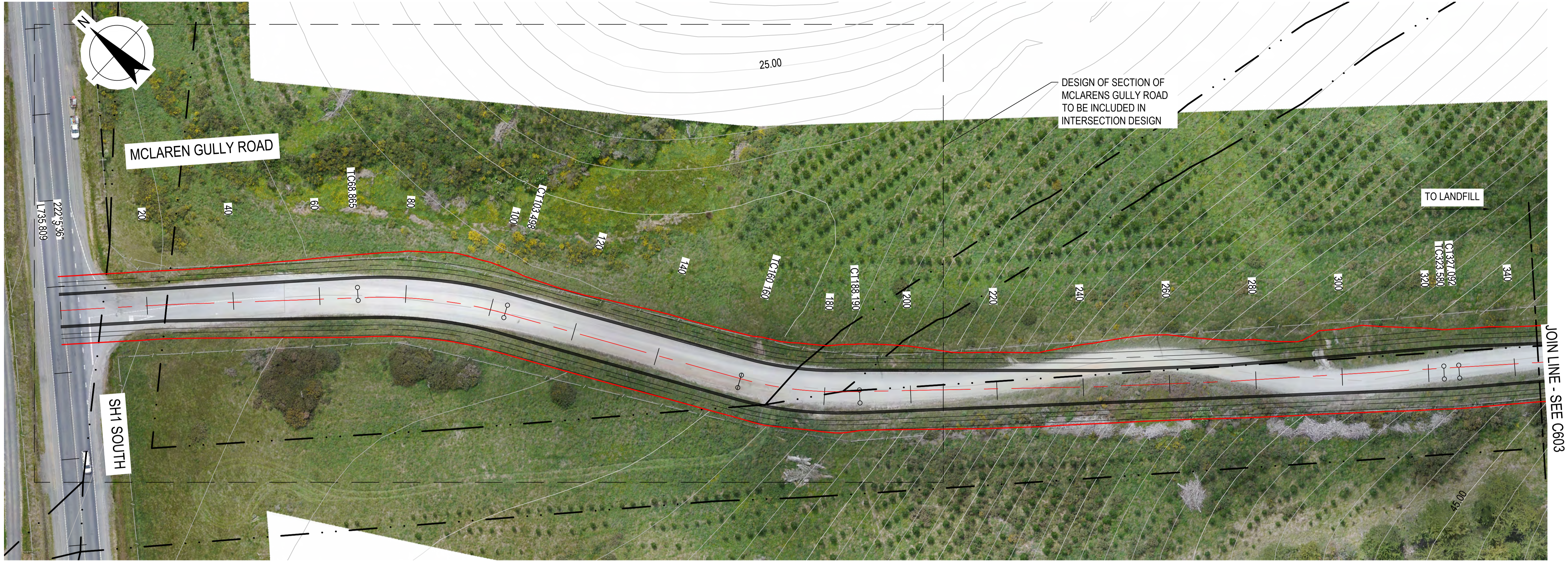
PLAN  
SCALE 1:500



INSET  
SCALE 1:250

FOR CONSENT  
NOT FOR CONSTRUCTION

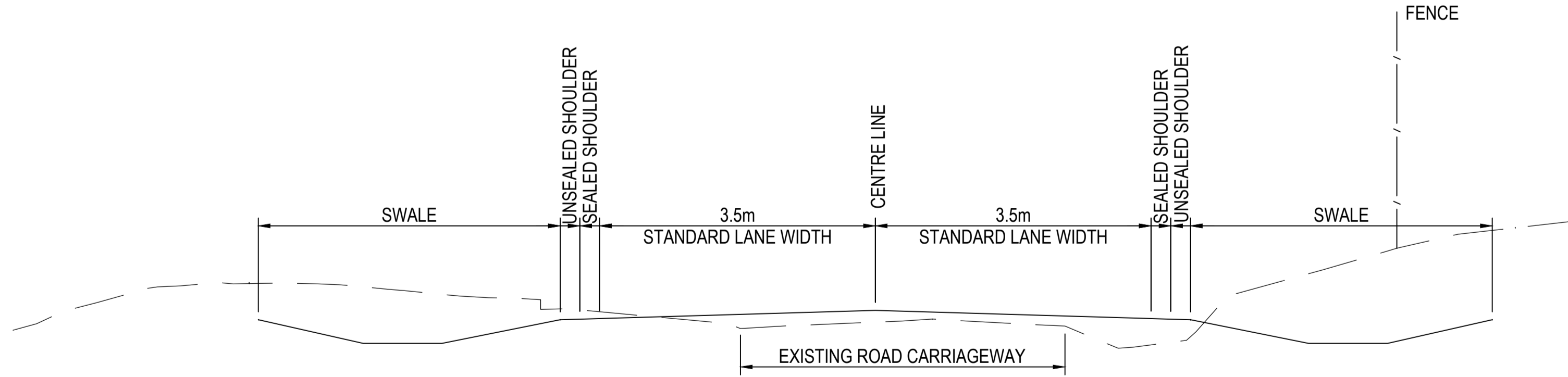
					 SCALE 1:250 AT ORIGINAL SIZE		 <b>DUNEDIN</b>   kaunihera CITY COUNCIL   a-rohe o ōtepoti	 Level 3, 138 Victoria Street Christchurch 8013, New Zealand T 64 3 378 0900 F 64 3 370 8001 E chcmal@ghd.com W www.ghd.com	<b>DO NOT SCALE</b>  GHD Limited Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	Drawn S. LE PAGE	Designer T. CRONIN	Client <b>DUNEDIN CITY COUNCIL</b> Project <b>SMOOTH HILL LANDFILL</b> Title <b>INTERSECTION UPGRADE SH1 AND MCLARENS GULLY ROAD</b>				
2	RE-ISSUE FOR CONSENT	SLP	NE*	SD*	21.05.21	 SCALE 1:500 AT ORIGINAL SIZE					Drafting Check G. DOUGHERTY*		Design Check A. WHALEY*			
1	FOR CONSENT	SLP	NE*	SD*	14.08.20						Approved (Project Director) S. DOUGLASS*		Date 14.08.2020			
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing				Drawn	Job Manager	Project Director	Date	Scale AS SHOWN		This Drawing must not be used for Construction unless signed as Approved	Original Size <b>A1</b> Drawing No: <b>12506381-01-C601</b> Rev: <b>2</b>			



PROPOSED ROAD IMPROVEMENT CORRIDOR

SCALE 1:500

LEGEND:	
	PROPERTY BOUNDARY
	EXISTING FENCE
	INDICATIVE CENTERLINE
	EXTENT OF EARTHWORKS (1m BEYOND DESIGN)
	CARRIAGEWAY
	SWALE
	WETLANDS



TYPICAL SECTION

SCALE 1:50

NOTES:

- ROAD CORRIDOR
  - STANDARD 20m ROAD PARCEL WIDTH
  - WIDENED FOR SWEEP PATH AND TO INCLUDE CUT FACE
- SURVEY OUTSIDE EXISTING FENCE LINES RELIANT ON LIDAR, BOUNDARY TO BE REFINED WITH ADDITIONAL SURVEY AT DETAILED DESIGN

FOR CONSENT  
NOT FOR CONSTRUCTION

No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date
2	RE-ISSUE FOR CONSENT		RG	NE*	SD*	21.05.21
1	FOR CONSENT		SLP	NE*	SD*	14.08.20



**DO NOT SCALE**  
GHD Limited  
Conditions of Use.  
This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.

Drawn	S. LE PAGE	Designer	S. LE PAGE
Drafting Check	G. DOUGHERTY**	Design Check	A. WHALEY**
Approved (Project Director)	S. DOUGLASS*	Date	14.08.2020
Scale	1:500	This Drawing must not be used for Construction unless signed as Approved	

Client	DUNEDIN CITY COUNCIL		
Project	SMOOTH HILL LANDFILL		
Title	MCLARENS GULLY ROAD IMPROVEMENTS PLAN		
Original Size	A1	Drawing No:	12506381-01-C602
Rev:	2		