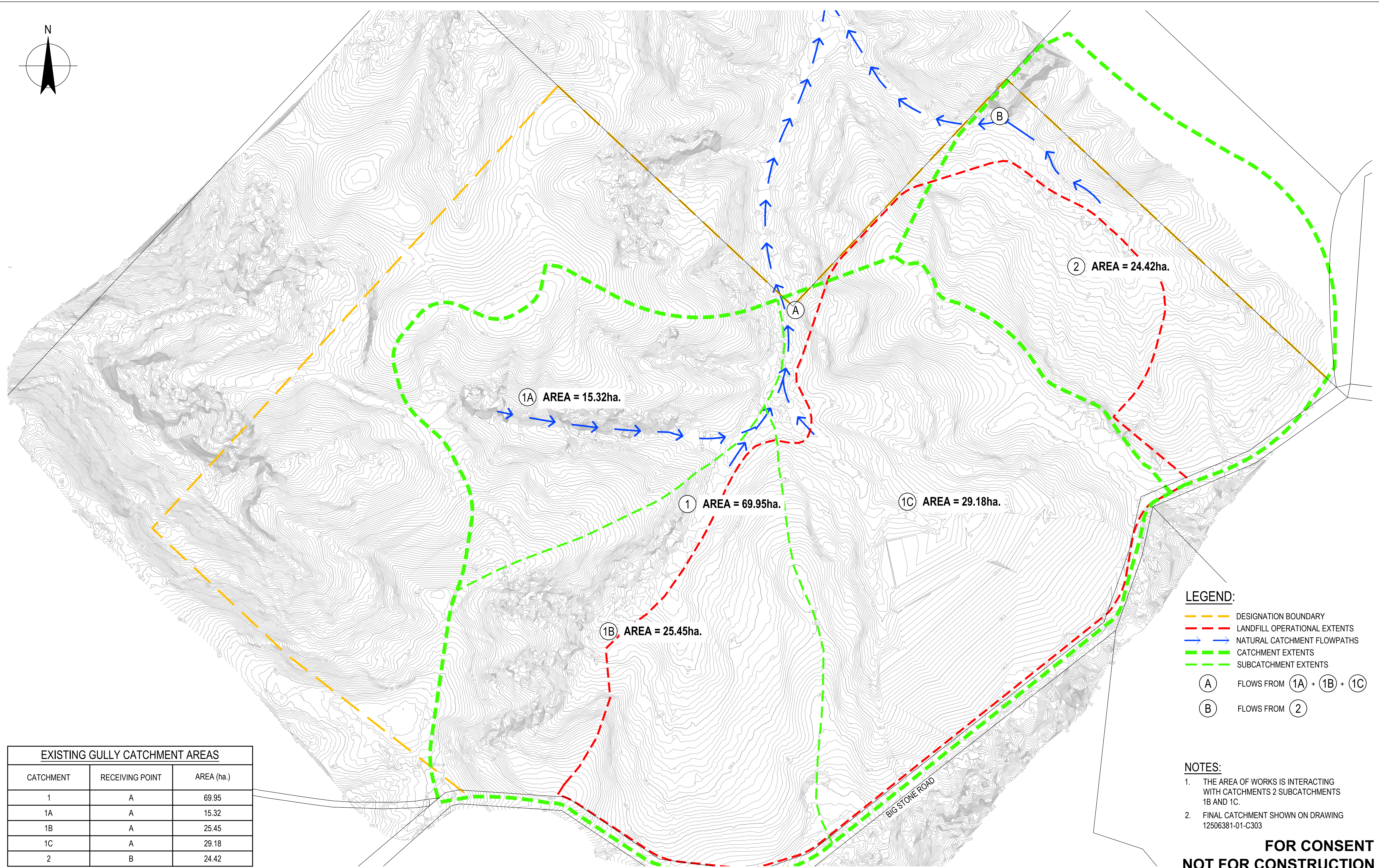




EXISTING GULLY CATCHMENT AREAS		
CATCHMENT	RECEIVING POINT	AREA (ha.)
1	A	69.95
1A	A	15.32
1B	A	25.45
1C	A	29.18
2	B	24.42

2	RE-ISSUE FOR CONSENT	JF	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	Date

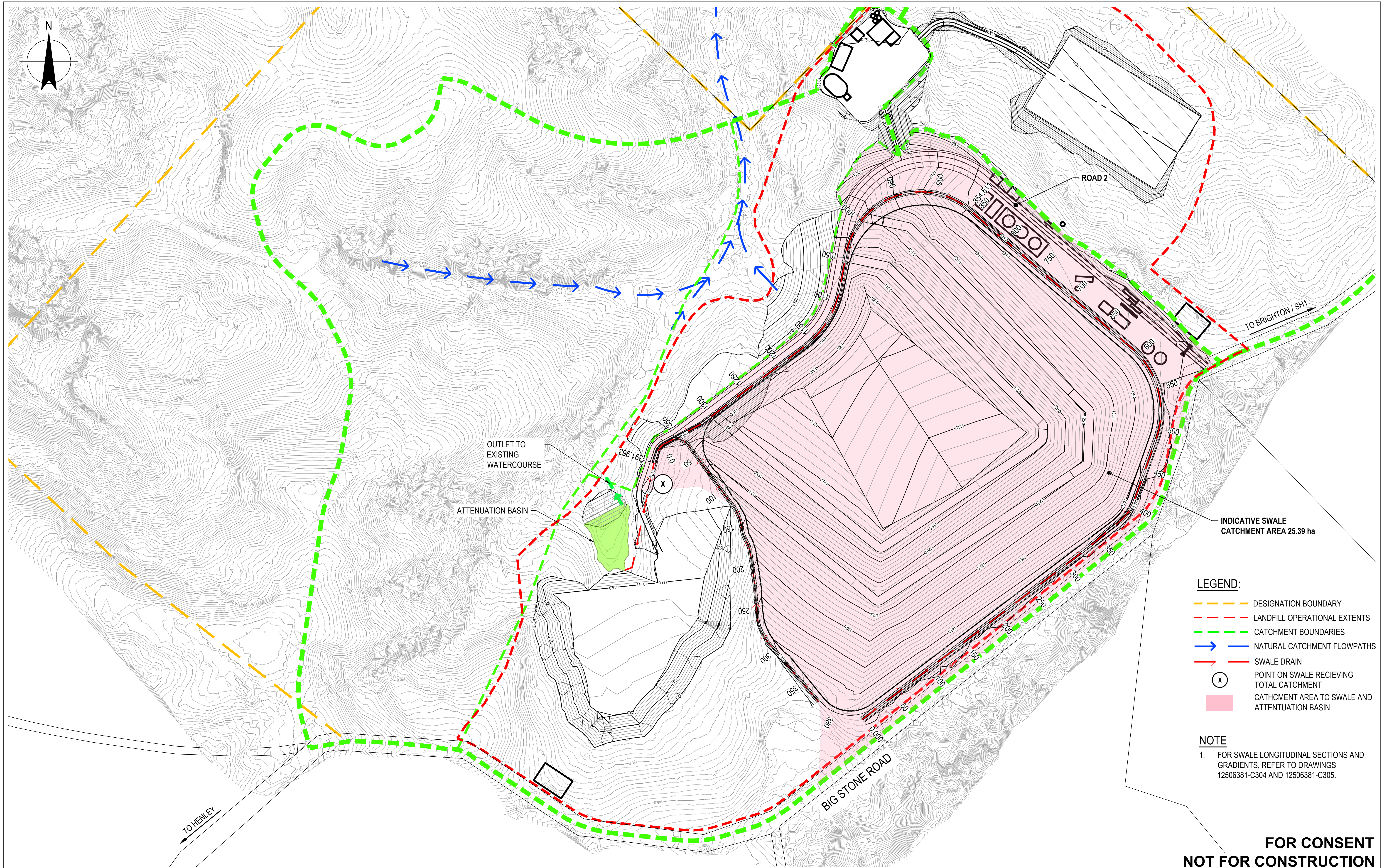


DO NOT SCALE	
GHD Pty Ltd Conditions of Use. This document may only be used by GHD's client (and any other person who GHD has agreed can use this document) for the purpose for which it was prepared and must not be used by any other person or for any other purpose.	
Drawn J. FLORES	Designer R. COOMBE
Drafting Check G. DOUGHERTY*	Design Check N. ELDRED*
Approved (Project Director) S. DOUGLASS*	
Date 14.08.20	
Scale 1:2500	This Drawing must not be used for Construction unless signed as Approved

Client	DUNEDIN CITY COUNCIL	
Project	SMOOTH HILL LANDFILL	
Title	EXISTING STORMWATER CATCHMENT PLAN	
Original Size	Drawing No: 12506381-01-C301	Rev: 2

1. REFER TO 12506381-01-C402 FOR SWALE DRAIN AT TOE EMBANKMENT.
2. SCOUR PROTECTION SUBJECT TO DETAILED DESIGN MAY INCLUDE TURF REINFORCEMENT THROUGH TO ROCK RIP-RAP OR CHECK DAMS.
3. SWALES SUBJECT TO DETAILED DESIGN

[illegible]



LEGEND:

- DESIGNATION BOUNDARY
- LANDFILL OPERATIONAL EXTENTS
- CATCHMENT BOUNDARIES
- NATURAL CATCHMENT FLOWPATHS
- SWALE DRAIN
- POINT ON SWALE RECEIVING TOTAL CATCHMENT
- CATCHMENT AREA TO SWALE AND ATTENUATION BASIN

NOTE

- FOR SWALE LONGITUDINAL SECTIONS AND GRADIENTS, REFER TO DRAWINGS 12506381-C304 AND 12506381-C305.

FOR CONSENT
NOT FOR CONSTRUCTION

2	RE-ISSUE FOR CONSENT	JF	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



Level 3, 138 Victoria Street
Christchurch 8013, New Zealand
T 64 3 378 0900 F 64 3 370 8001
E chcmall@ghd.com W www.ghd.com

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 J. FLORES
Designer R. COOMBE
Drafting G. DOUGHERTY*
Design N. ELDRED*
Approved S. DOUGLASS*
(Project Director)
Date 14.08.20

Scale 1:2000

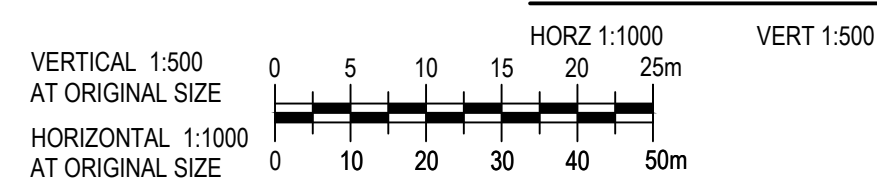
This Drawing must not be used for Construction unless signed as Approved

Client DUNEDIN CITY COUNCIL
Project SMOOTH HILL LANDFILL
Title SWALE DRAIN AND CATCHMENT

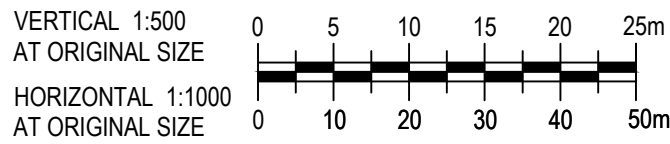
Drawing No: 12506381-01-C303

Rev: 2

1. FOR GENERAL ARRANGEMENT PLAN, REFER TO DRAWING 12506381-01-C102.
2. FOR CHAINAGE LOCATIONS, REFER TO DRAWING 12506381-01-C303.

[illegible]

1. FOR GENERAL ARRANGEMENT PLAN, REFER TO DRAWING 12506381-01-C102.
2. FOR CHAINAGE LOCATIONS, REFER TO DRAWING 12506381-01-C303.



**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	Date

DUNEDIN CITY COUNCIL kaunihera
a-rohe o ōtēpoti

Level 3, 138 Victoria Street
 Christchurch 8013. New Zealand
 T 64 3 378 0900 F 64 3 370 8001
 E chcmail@ghd.com W www.ghd.com

DO NOT SCALE		Drawn J. FLORES	Designer P. KITTO	Client
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.		Drafting Check G. DOUGHERTY*	Design Check N. ELDRÉD*	Project
		Approved S. DOUGLASS* (Project Director)		Title
		Date 14.08.20		
Scale AS SHOWN	This Drawing must not be used for Construction unless signed as Approved	Original Size A1	Drawing No:	Rev: 2

SWALE DRAIN LONGITUDINAL SECTIONS CHANNEL 4

12506381-01-C305

