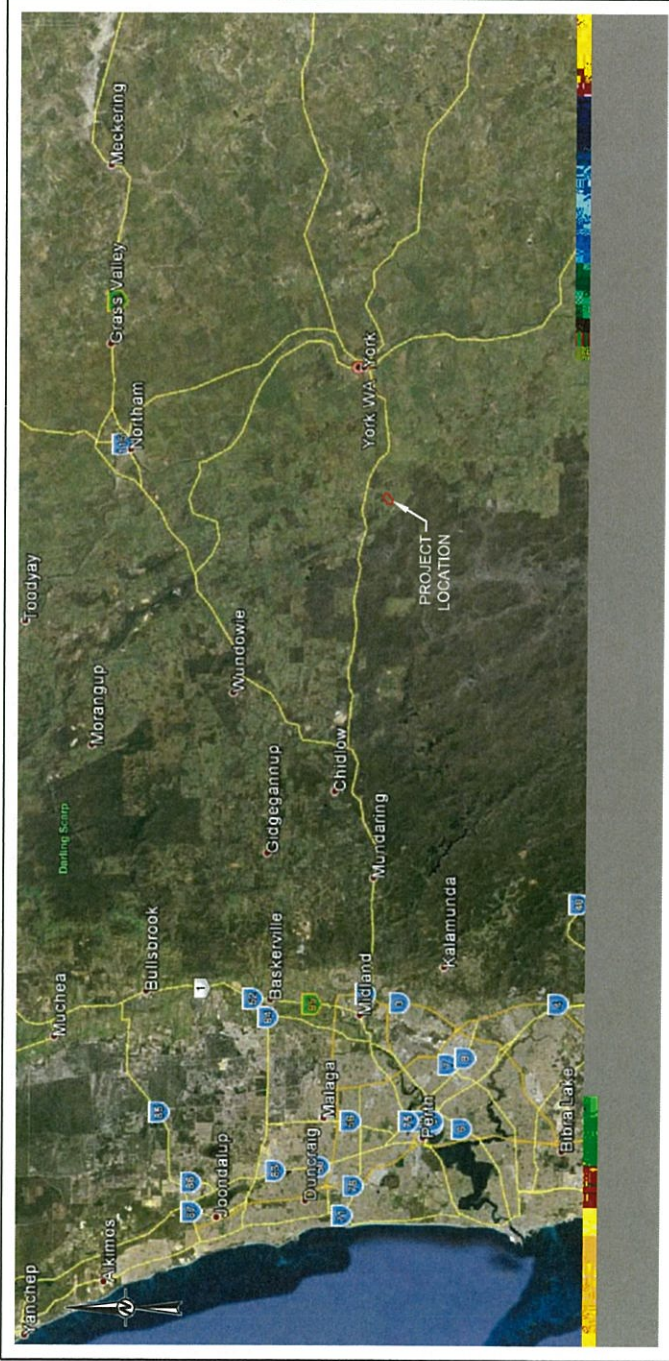


# SITA AUSTRALIA ALLUWUNA FARM LANDFILL

## LOTS 4869, 5931, 9926 & 26934

### GREAT SOUTHERN HIGHWAY, SAINT RONANS APPLICATION FOR PLANNING CONSENT SHIRE OF YORK TPS No.2



PROJECT LOCALITY PLAN  
NOT TO SCALE

DRAWING SCHEDULE	
DRAWING No.	DESCRIPTION
D001	COVER SHEET
D002	SITE PLAN
D003	LANDFILL CELL LAYOUT PLAN
D004	LANDFILL ULTIMATE TOP OF WASTE
D005	LANDFILL CELL 1 AND 2 LAYOUT PLAN
D006	LANDFILL INFRASTRUCTURE LAYOUT PLAN
D007	TYPICAL SECTIONS
D008	TYPICAL SECTION AND DETAILS
D009	LANDFILL DETAILS
D010	BORROW AREA LOCATIONS PLAN
D011	WEIGHBRIDGE DETAILS
D012	SITE BUILDING CONCEPTS

**NOTES:**

- THESE NOTES APPLY TO ALL PROJECT DRAWINGS IN THE SET UNLESS NOTED OTHERWISE AND SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION.
- ALL LEVELS ARE IN METRES TO AUSTRALIAN HEIGHT DATUM (AHD).
- ALL CO-ORDINATES ARE IN METRES TO MAP GRID AUSTRALIA (MGA 94, ZONE 55).
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- DIMENSIONS AND LOCATION OF EXISTING STRUCTURES SHALL BE CONFIRMED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.
- LOCATION AND DEPTH OF ALL SERVICES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.
- DIMENSIONS SHALL NOT BE SCALED OFF DRAWINGS.
- DRAWING MUST BE PRINTED IN COLOUR TO CORRECTLY IDENTIFY ALL DESIGN ELEMENTS.

**REFERENCE:**

BASE MAP SOURCED FROM NEARMAP WEB SITE (<http://maps.nearmap.com>, ACCESSED 27.01.2015)

**NOT FOR CONSTRUCTION**

**RAR - ATTACHMENT 1**

CLIENT  
SITA AUSTRALIA

CONSULTANT

PERTH OFFICE  
LEVEL 3, HAVELOCK STREET  
WEST PERTH, WA 6005  
AUSTRALIA  
PH: (81) 9413 7600  
www.golder.com



E KING L D'PREZ L SMITH L D'PREZ  
PREPARED DESIGN REVIEW APPROVED

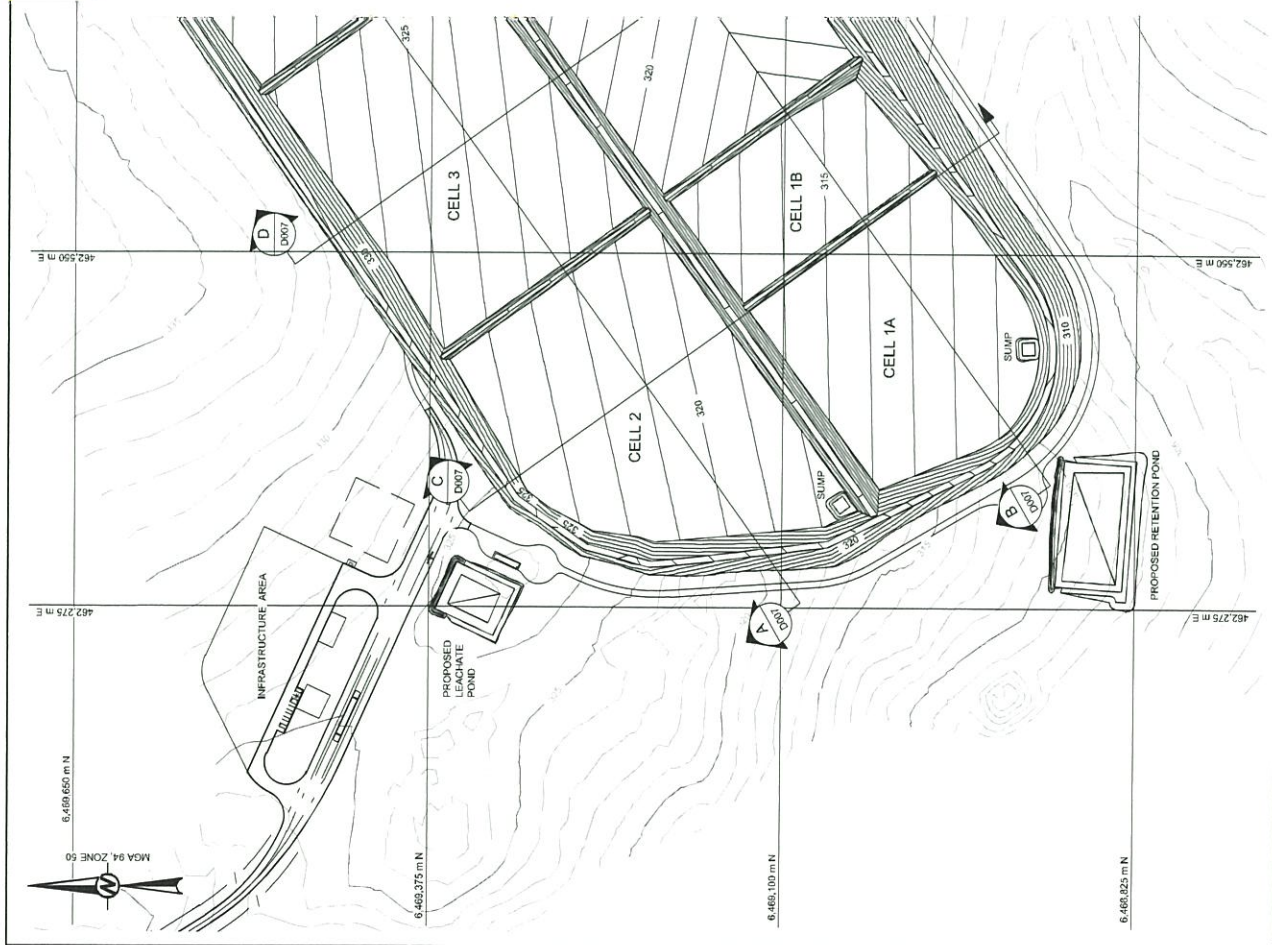
A 2014-02-1 ISSUE FOR COMMENT  
REV: YYYY-MM-DD DESCRIPTION

PROJECT  
ALLUWUNA FARM LANDFILL

TITLE  
COVER SHEET

PROJECT No. 147645033  
DOCUMENT No. PLANNING - FEB 2015  
REV. A  
DATE 1 FEB 12  
JOB NO. D001





**LEGEND:**

- INDICATIVE SUBGRADE CONTOURS (1m INTERVALS)
- EXISTING CONTOURS (1m INTERVALS)

**REFERENCE:**

BASE SURVEY SUPPLIED FROM BOWMAN AND ASSOCIATES PTY LTD  
 DPG FILE ALLA\_Survey\_Features.dwg, DATED 09 SEPTEMBER 2014

**NOTE:**

1. REFER TO D001 FOR GENERAL NOTES
2. DESIGN SURFACE SHOWN IS EARTHWORKS SURFACE (UNDERSIDE OF LINER)

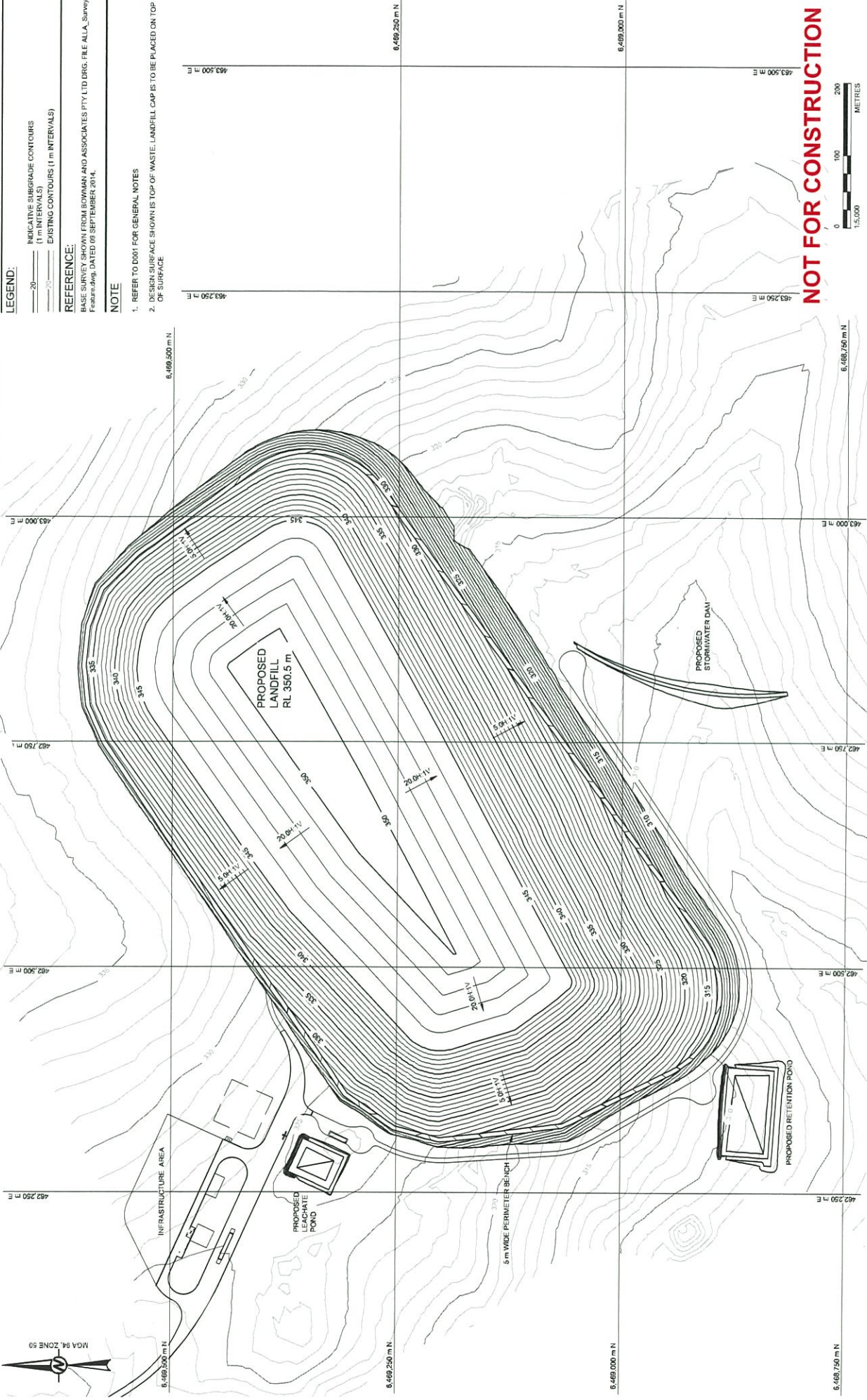
**NOT FOR CONSTRUCTION**



PROJECT	ALLAWUNA FARM LANDFILL				
TITLE	LANDFILL CELL LAYOUT PLAN				
CLIENT	SITA AUSTRALIA				
CONSULTANT	Goilder Associates				
PROJECT NO.	1476450033				
DATE	3.11.12				
ISSUE FOR COMMENT					
NO.	DATE	BY	APPROVED BY	DESCRIPTION	
A	2014.02.1	E KING	L DUFREZ	L SMITH	

FERTH OFFICE  
 LEVEL 3, HAVELOCK STREET  
 WEST PERTH, WA 6065  
 AUSTRALIA  
 PH (08) 9219 7800  
 www.goilder.com





**LEGEND:**  
 - - - - - INDICATIVE SUBGRADE CONTOURS (1 m INTERVALS)  
 - - - - - EXISTING CONTOURS (1 m INTERVALS)

**REFERENCE:**  
 BASE SURVEY SHOWN FROM BOWMAN AND ASSOCIATES PTY LTD DRG. FILE ALIA\_Survey  
 Final.dwg, DATED 08 SEPTEMBER 2014.

**NOTE**

1. REFER TO 0001 FOR GENERAL NOTES
2. DESIGN SURFACE SHOWN IS TOP OF WASTE. LANDFILL CAP IS TO BE PLACED ON TOP OF SURFACE

**NOT FOR CONSTRUCTION**

CLIENT  
 SITA AUSTRALIA

PROJECT  
 ALLAWUNA FARM LANDFILL

CONSULTANT

PERTH OFFICE  
 LEVEL 3, HAVELOCK STREET  
 WEST PERTH, WA 6155  
 AUSTRALIA  
 PH: (81) 373 7600  
 www.golder.com

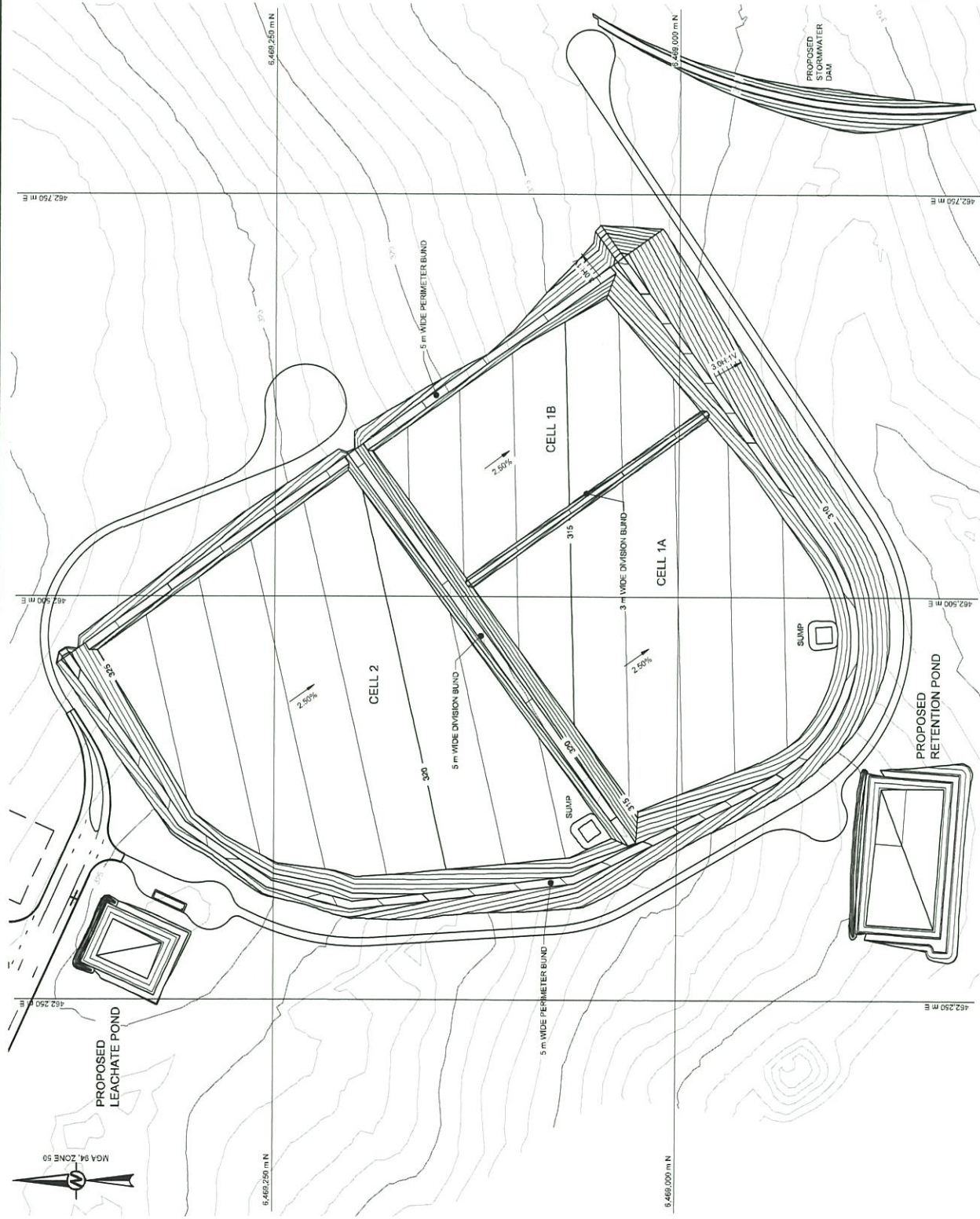


TITLE  
 LANDFILL ULTIMATE TOP OF WASTE

PREPARED: DESIGN  
 REVIEW: APPROVED

A 201402-1 ISSUE FOR COMMENT  
 Rev: 1004-11000 DESCRIPTION

PROJECT No. 147645033  
 DOCUMENT NO. PLANNING - FEB 2015 - A  
 REV. 4.1.12  
 DRAWN: D004



**LEGEND:**  
 — DESIGN BREAKLINES  
 — TOPOGRAPHICAL CONTOUR AND ELEVATION (mAMD)

**NOTE:**  
 1. REFER TO D001 FOR GENERAL NOTES

**REFERENCE:**  
 BASE SURVEY SHOWN FROM BOWMAN AND ASSOCIATES PTY LTD DRG. FILE  
 ALA\_Survey Features.dwg, DATED 09 SEPTEMBER 2014.

**NOT FOR CONSTRUCTION**

PROJECT: ALLAWUNA FARM LANDFILL

TITLE: LANDFILL CELL 1 AND 2 LAYOUT PLAN

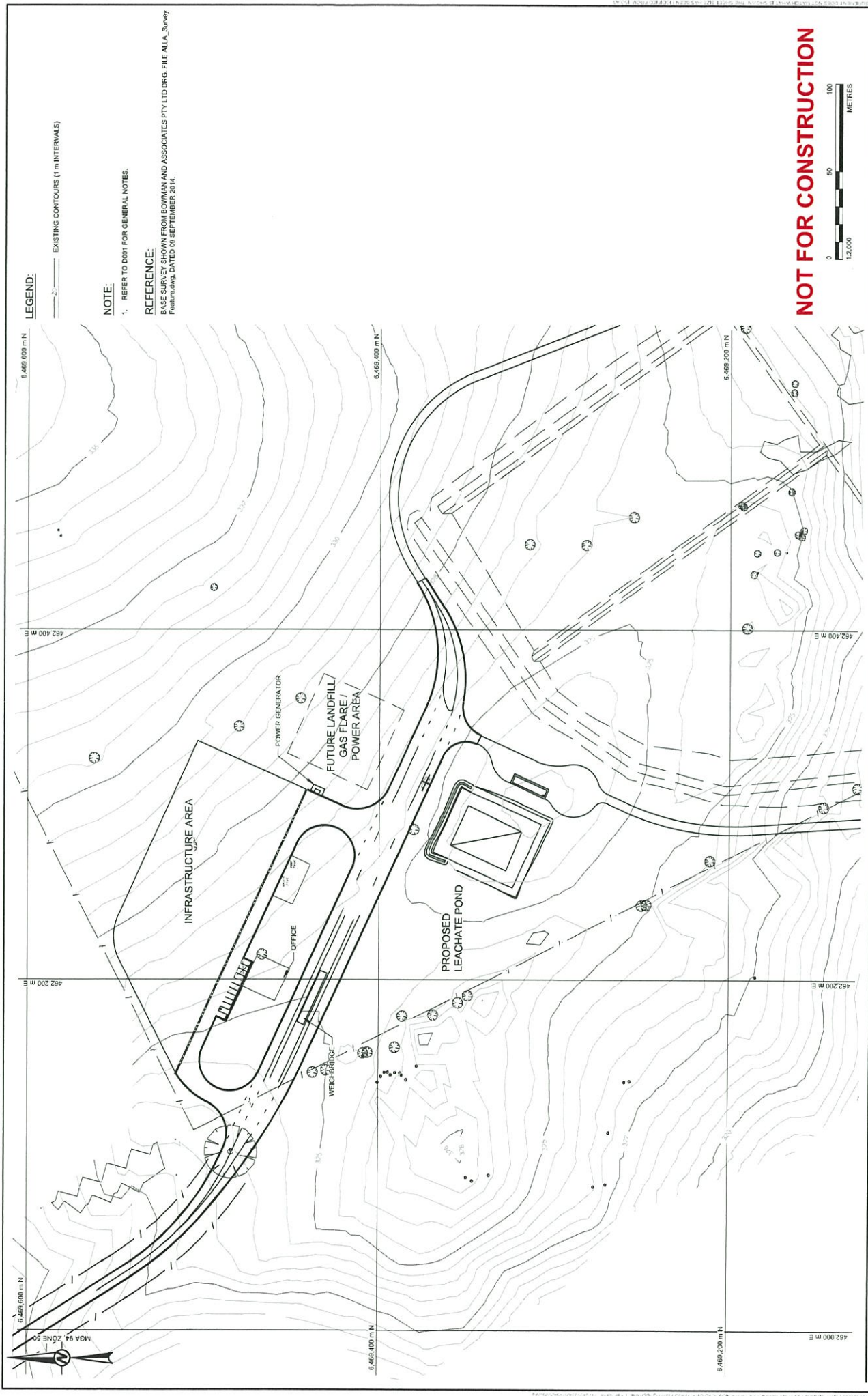
PROJECT NO.: 147645033  
 DOCUMENT NO.: PLANNING - FEB 2015 - A  
 REV: 5 of 12  
 DATE: D005

CLIENT: SITA AUSTRALIA

CONSULTANT: Golder Associates

PERTH OFFICE  
 LEVEL 3, HAYLOCK STREET  
 WEST PERTH, WA 6005  
 AUSTRALIA  
 PH: (0)8 9293 7000  
 www.golder.com

NO.	DATE	ISSUE FOR COMMENT	DESCRIPTION
A	2014-02-1	ISSUE FOR COMMENT	
Rev	1	PREPARED	DESIGN
		REVIEW	APPROVED
		ENGINEER	LD/PREEZ
		DESIGNER	LD/PREEZ
		APPROVED	LD/PREEZ



**LEGEND:**

EXISTING CONTOURS (1 m INTERVALS)

**NOTE:**

- 1. REFER TO D001 FOR GENERAL NOTES.

**REFERENCE:**

BASE SURVEY SHOWN FROM BOWMAN AND ASSOCIATES PTY LTD DRG. FILE ALIA\_Survey Features.dwg, DATED 09 SEPTEMBER 2014.

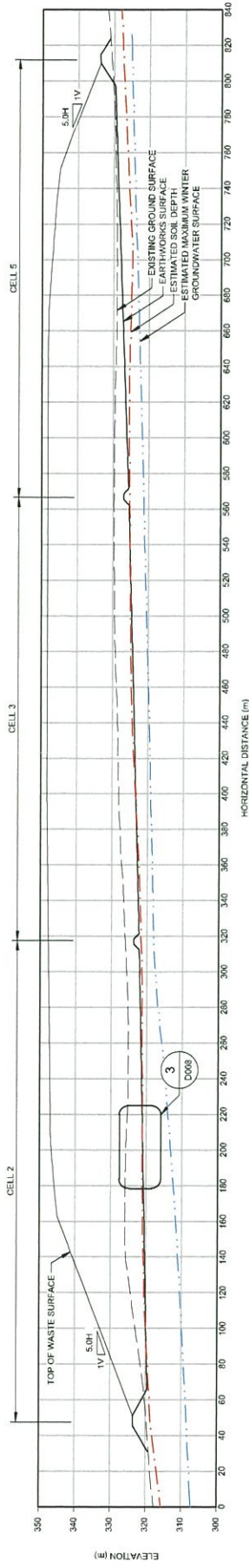
**NOT FOR CONSTRUCTION**



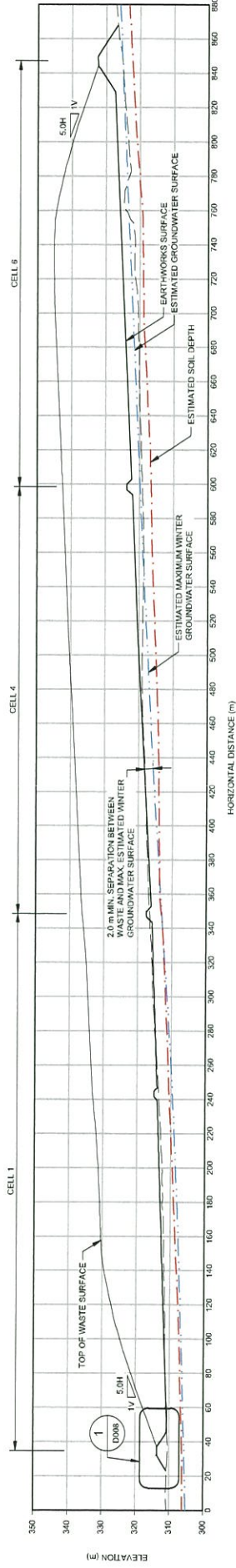
PROJECT: ALLAWUNA FARM LANDFILL  
 TITLE: LANDFILL INFRASTRUCTURE LAYOUT PLAN  
 PROJECT NO: 147645033  
 DOCUMENT NO: PLANNING - FEB 2015 - A  
 REV: 8.1.12  
 PROJECT: D006

CLIENT: SITA AUSTRALIA  
 CONSULTANT: Goldier Associates  
 PERTH OFFICE  
 LEVEL 3, HAYLOCK STREET  
 WEST PERTH, WA 6155  
 AUSTRALIA  
 T: (81) 9323 7600  
 www.goldier.com

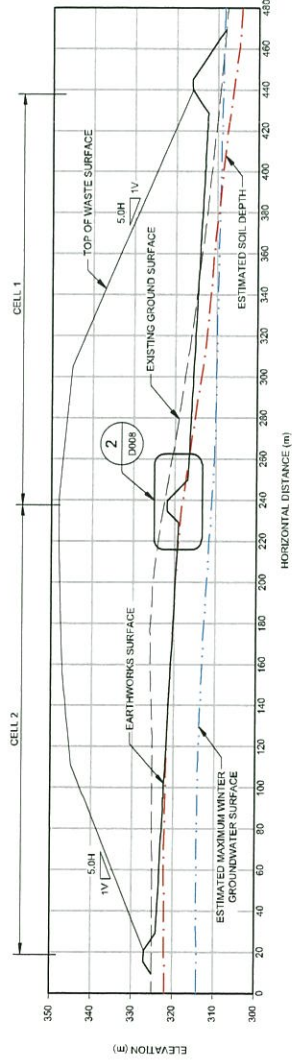
NO.	DATE	ISSUE FOR COMMENT	DESCRIPTION	APPROVED
A	2014-02-1	ISSUE FOR COMMENT		
		EKING	LD/PREEZ L SMITH	LD/PREEZ
		PREPARED	DESIGN	REVIEW
				APPROVED



HOR. SCALE 1:2,500  
VERT. SCALE 1:1,250  
**A SECTION**  
D003

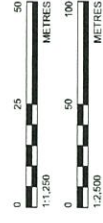


HOR. SCALE 1:2,500  
VERT. SCALE 1:1,250  
**B SECTION**  
D003

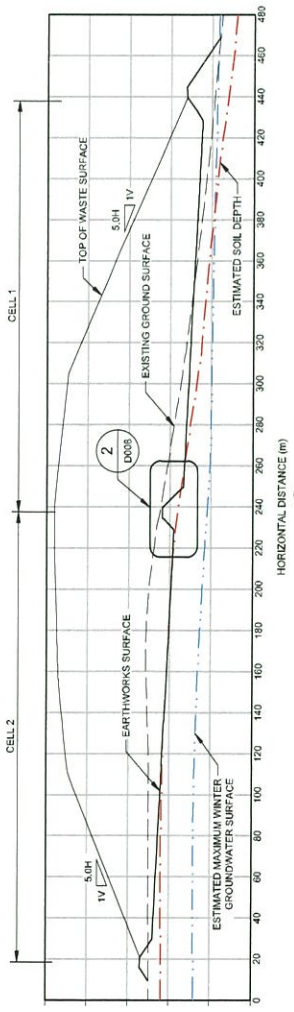


HOR. SCALE 1:2,500  
VERT. SCALE 1:1,250  
**C SECTION**  
D003

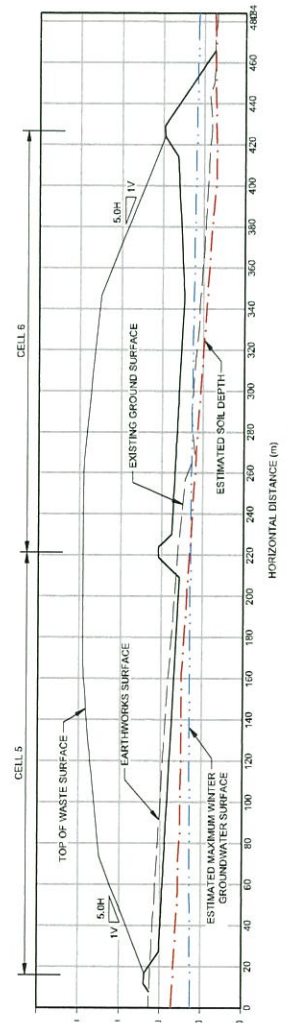
**NOT FOR CONSTRUCTION**



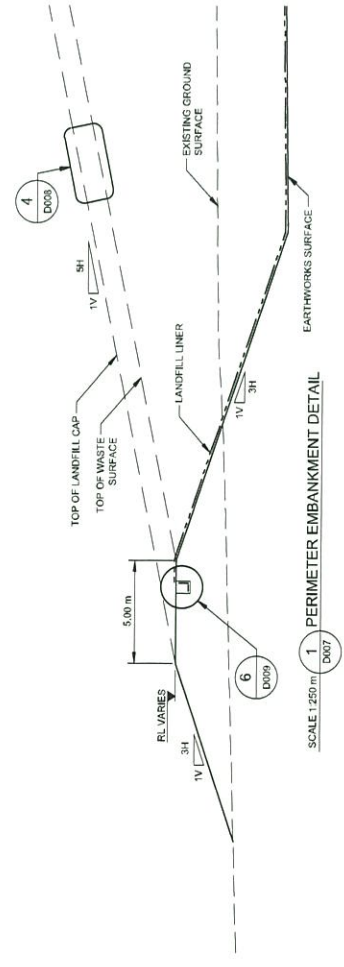
CLIENT SITA AUSTRALIA		CONSULTANT 	
PROJECT ALLAWUNA FARM LANDFILL		TYPICAL SECTIONS	
PERTH OFFICE LEVEL 3, HAVELOCK STREET WEST PERTH, WA 6005 AUSTRALIA PH (0)8 923 7600 WWW.GOLDER.COM		PROJECT NO. 147645033	
2014-02-1		7.1.12	
ISSUE FOR COMMENT		PLANNING - FEB 2015	
EKKING		A	
LD/PREEZ L SMITH		D003	
PREPARED		DESIGN	
REVIEW		APPROVED	
LD/PREEZ		LD/PREEZ	



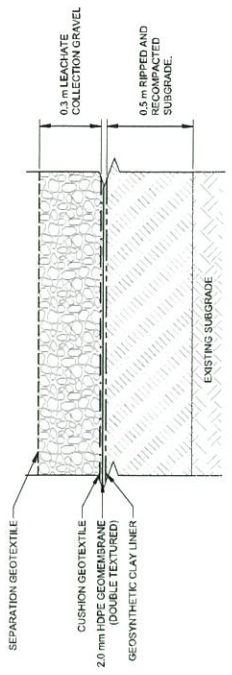
HOR. SCALE 1:2,500 / D003  
VERT. SCALE 1:1,250 / D003



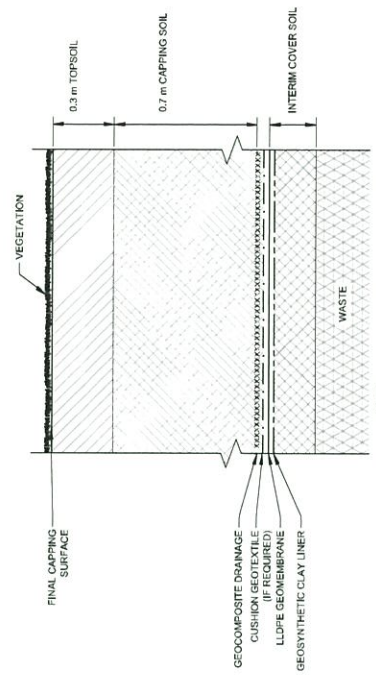
HOR. SCALE 1:2,500 / E003  
VERT. SCALE 1:1,250 / D003



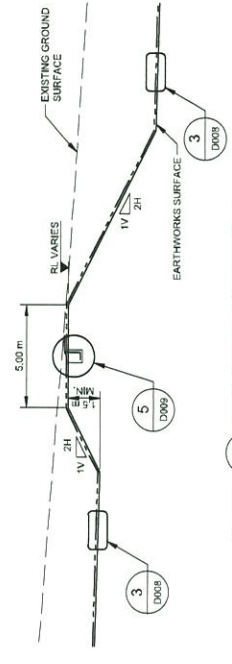
HOR. SCALE 1:2,500 / D007  
VERT. SCALE 1:1,250 / D007



SCALE 1:25 / D008



SCALE 1:25 m / D008



SCALE 1:250 m / D007



**NOT FOR CONSTRUCTION**

CLIENT  
SITA AUSTRALIA

PROJECT  
ALLAWUNA FARM LANDFILL

CONSULTANT

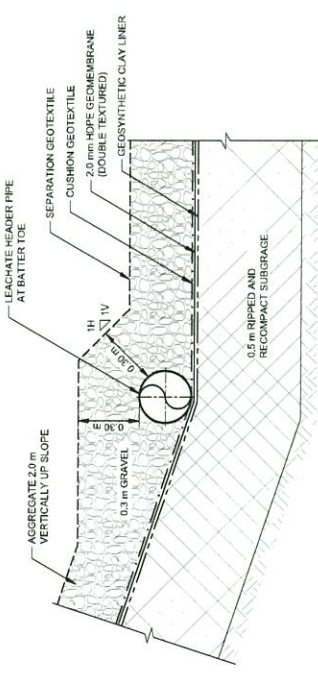
PERTH OFFICE  
LEVEL 3, HAYLOCK STREET  
WEST PERTH, WA 6155  
AUSTRALIA  
PH: (81) 9243 7600  
www.golder.com



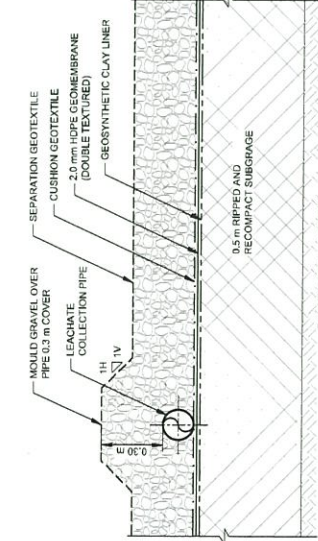
TITLE  
TYPICAL SECTION AND DETAILS

NO.	DATE	ISSUE FOR COMMENT	DESCRIPTION
A	2014-02-4	ISSUE FOR COMMENT	
		LD/PREEZ	LD/PREEZ
		LD/PREEZ	LD/PREEZ
		DESIGN	DESIGN
		REVIEW	REVIEW
		APPROVED	APPROVED

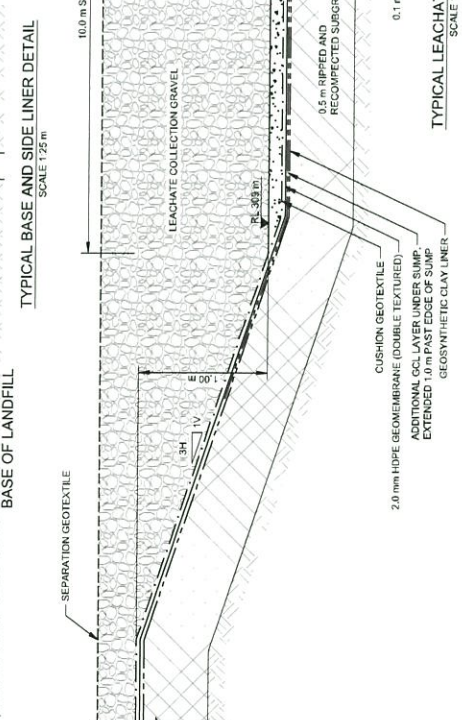




TYPICAL BATTER TOE PIPE DETAIL  
SCALE 1:25 m

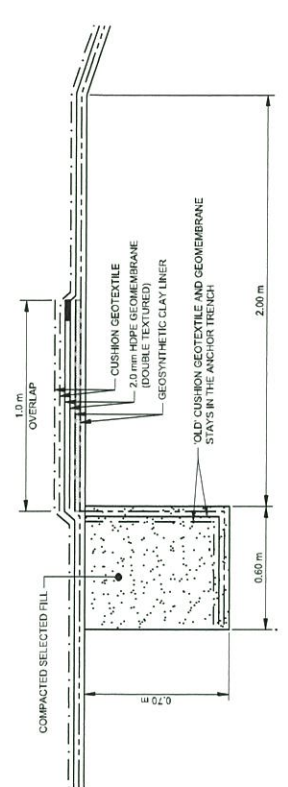


BASE OF LANDFILL  
SCALE 1:25 m

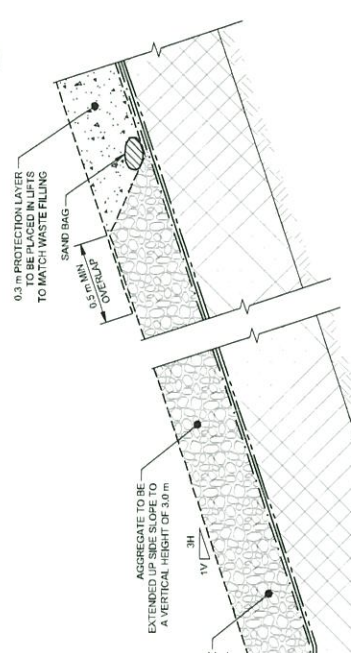


TYPICAL LEACHATE SUMP DETAIL  
SCALE 1:25 m

- NOTES:
- CUT CUSHION GEOTEXTILE AND GEOMEMBRANE AT ANCHOR TRENCH CREST
  - FOLD BACK CUSHION GEOTEXTILE AND GEOMEMBRANE
  - OVERLAP NEW GCL WITH EXISTING GCL USING BENTONITE PASTE
  - FOLD BACK GEOMEMBRANE AND OVERLAP WITH NEW GEOMEMBRANE LAYER. EXTRUSION WELD TOGETHER.
  - FOLD BACK CUSHION GEOTEXTILE AND OVERLAP WITH NEW CUSHION GEOTEXTILE. SWITCH OR HEAT TACK THE OVERLAP.

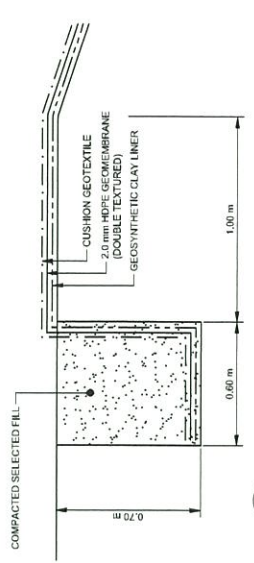


TYPICAL ANCHOR TRENCH DETAIL ON DIVISION EMBANKMENT  
SCALE 1:25 m



SIDE OF LANDFILL  
SCALE 1:25 m

NOTE:  
FOR FURTHER MATERIAL SPECIFICATIONS REFER TO JOB SPECIFICATIONS

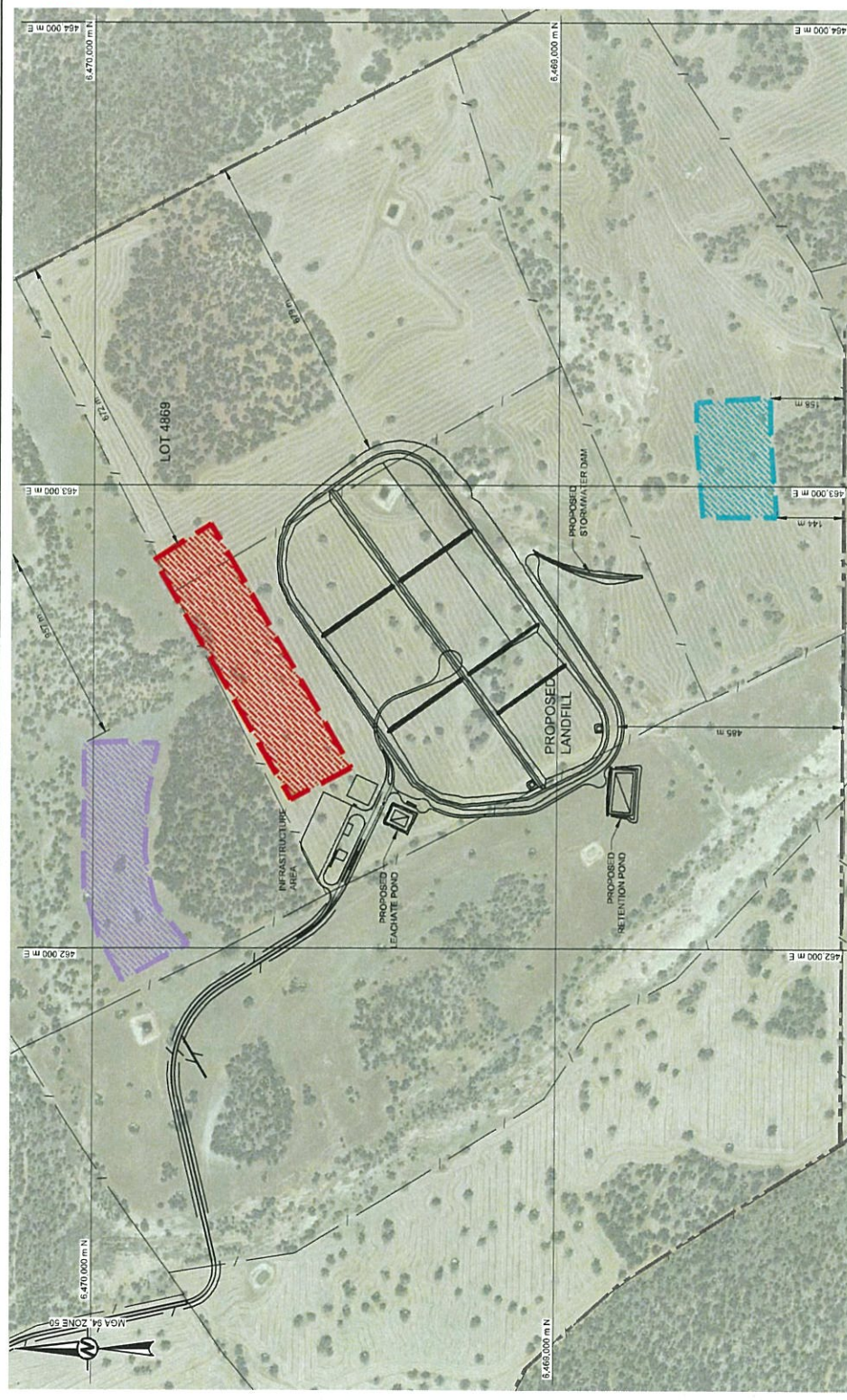


TYPICAL ANCHOR TRENCH DETAIL ON PERIMETER EMBANKMENT  
SCALE 1:25 m

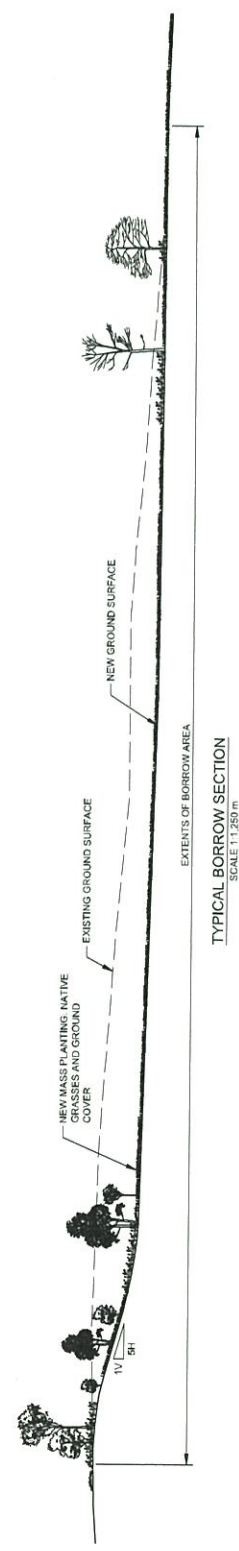
**NOT FOR CONSTRUCTION**



PROJECT: ALLAWUNA FARM LANDFILL		CLIENT: SITA AUSTRALIA	
TITLE: LANDFILL DETAILS		CONSULTANT:	
PROJECT NO: 147645033		PERTH OFFICE LEVEL 3, HAYLOCK STREET WEST PERTH, WA 6005 AUSTRALIA [+61] (0) 8 923 7600 www.golder.com	
DOCUMENT NO: PLANNING - FEB 2015 - A		REVIEW: APPROVED	
DATE: 9 JUL 12		EKKING: LD/DPREEZ	
DRAWN: LD/DPREEZ		DESIGN: LD/DPREEZ	
CHECKED: LD/DPREEZ		APPROVED: LD/DPREEZ	
ISSUE FOR COMMENT		REVISION DESCRIPTION	
A 2014-02-1		EKKING	



LAYOUT PLAN  
SCALE 1:10,000



TYPICAL BORROW SECTION  
SCALE 1:1,250

**NOT FOR CONSTRUCTION**



- LEGEND:**
- ▨ BORROW AREA 1
  - ▨ BORROW AREA 2
  - ▨ BORROW AREA 3
  - CADASTRAL BOUNDARY
  - - - EXISTING FENCE

**NOTE:**  
1. REFER TO D001 FOR GENERAL NOTES.

**REFERENCE:**  
BASE MAP SHOWN FROM BOWMAN AND ASSOCIATES PTY LTD DRG. FILE  
FULL SIZED AERIAL PHOTO.jpg

BORROW AREAS		
DESCRIPTION	VOLUMES (m <sup>3</sup> )	AVERAGE DEPTH (m)
AREA 1	420000	8.8
AREA 2	320000	7.2
AREA 3	180000	4.0

CLIENT  
**SITA AUSTRALIA**

CONSULTANT

PROJECT  
**ALLAWUNA FARM LANDFILL**

TITLE  
**BORROW AREA LOCATIONS PLAN**

PERTH OFFICE  
LEVEL 3, HAYLOCK STREET  
WEST PERTH, WA 6155  
AUSTRALIA  
[+61] (8) 9233 7600  
www.golder.com



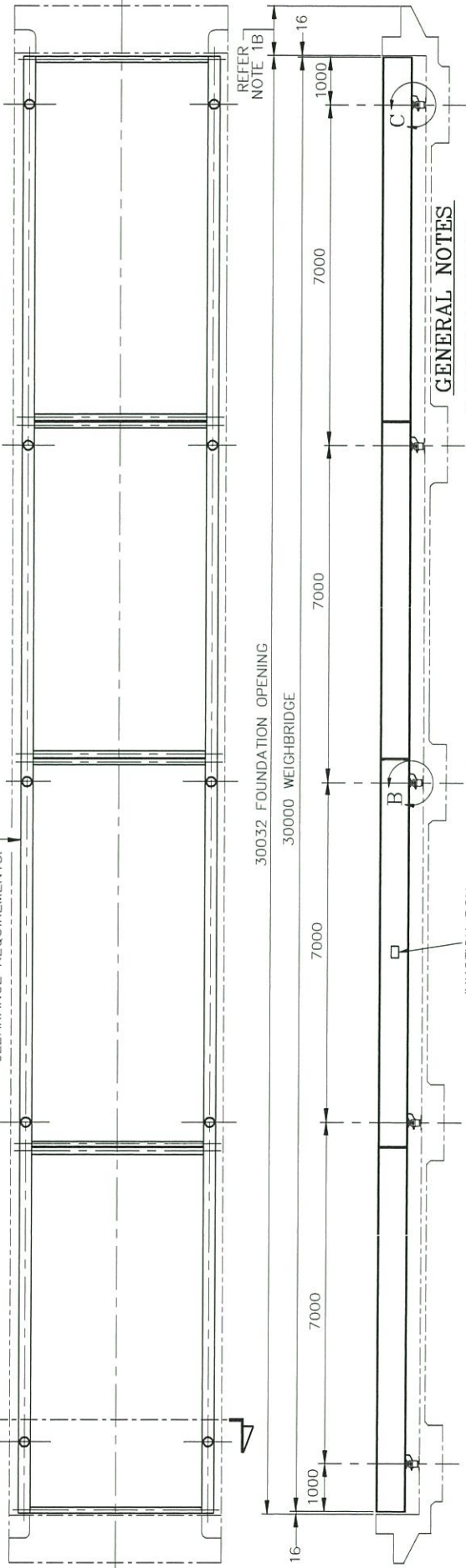
PROJECT NO. 147645033  
DOCUMENT NO. PLANNING - FEB 2015  
REV. 10.1.12  
A  
FIGURE D010

A 2014-001 ISSUE FOR COMMENT  
REV. 10.1.12.001 DESCRIPTION

EKING LDJ/PREEZ L SMITH LDJ/PREEZ  
PREPARED DESIGN REVIEW APPROVED

**NOTE**  
JUNCTION BOXES CAN BE MOUNTED ON EITHER SIDE OF WEIGHBRIDGE

REFER NOTE 1A FOR SIDE CLEARANCE REQUIREMENTS.

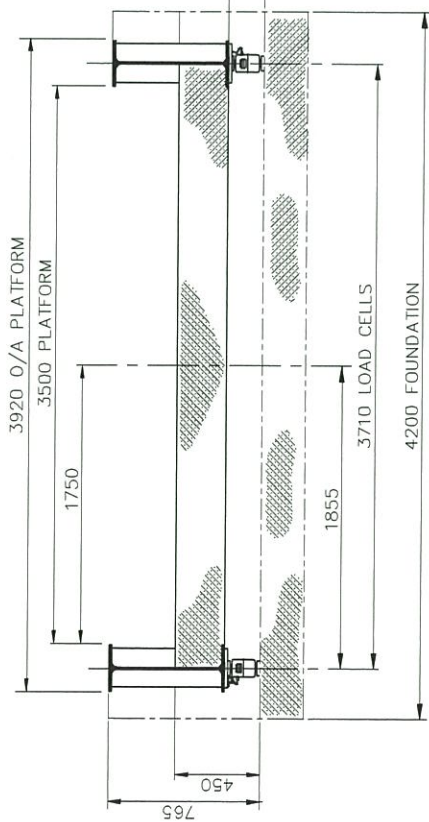


**GENERAL NOTES**

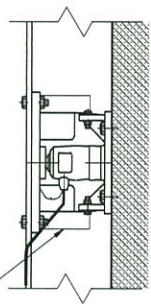
- WEIGHTS & MEASURES**  
STATE WEIGHTS & MEASURES AUTHORITIES REQUIRE CERTAIN MINIMUM REQUIREMENTS RE CLEARANCE AT SIDE OF SCALE, LENGTH OF APPROACH, POSITION OF INDICATOR ETC. THESE REQUIREMENTS SHOULD BE CLARIFIED WITH LOCAL AUTHORITIES WHEN PLANNING WEIGHBRIDGE LOCATION.  
(A) CLEAR SPACE REQUIRED AT BOTH SIDES OF SCALE IN SOME STATES IS (1) METRE. CHECK WITH LOCAL AUTHORITIES FOR MINIMUM REQUIREMENTS FOR EACH INSTALLATION.
- LENGTH OF LEVEL APPROACH**  
LENGTH OF LEVEL APPROACH DEPENDS ON USE OF SCALE, LENGTH OF APPROACH, POSITION OF INDICATOR ETC. THESE REQUIREMENTS SHOULD BE CLARIFIED WITH LOCAL AUTHORITIES WHEN PLANNING WEIGHBRIDGE LOCATION.  
(B) LENGTH OF LEVEL APPROACH DEPENDS ON USE OF SCALE, LENGTH OF APPROACH, POSITION OF INDICATOR ETC. THESE REQUIREMENTS SHOULD BE CLARIFIED WITH LOCAL AUTHORITIES WHEN PLANNING WEIGHBRIDGE LOCATION.  
(C) LOCATION OF INDICATOR/WEIGHHOUSE DEPENDS ON STATE REQUIREMENTS. THIS MATTER SHOULD BE RESOLVED WITH THE STATE WEIGHTS & MEASURES DEPARTMENT.
- LOAD RATING**  
THE MAXIMUM ALLOWABLE LOADS ARE:  
16500kg PER SINGLE AXLE  
33000kg PER TANDEM AXLE  
23500kg PER TRI-AXLE BOGIE WITH AXLE CENTRES OF 1.3m.  
THE MAXIMUM ALLOWABLE TOTAL WEIGHT ON WEIGHBRIDGE AT ONE TIME TO BE NO MORE THAN 100000kg.

LONGITUDINAL BUMPERS (2)  
CENTER LOAD CELLS

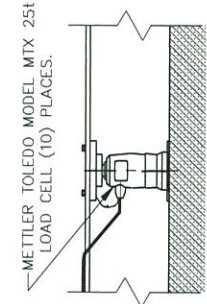
JUNCTION BOX



**SECTION AA**



**DETAIL B**



**DETAIL C**

INFORMATION PROVIDED BY BOWMAN AND ASSOCIATES, 06/02/2015

**NOT FOR CONSTRUCTION**

CLIENT		SITA AUSTRALIA	
CONSULTANT		Golder Associates	
PROJECT		ALLAWUNA FARM LANDFILL	
TITLE		WEIGHBRIDGE DETAILS	
PERTH OFFICE		LEVEL 3, HAYLOCK STREET WEST PERTH, WA 6005 AUSTRALIA PH: (08) 9473 7600 www.golder.com	
PROJECT NO.		147645033	
DOCUMENT NO.		PLANNING - FEB 2015 - A	
DATE		11 JUL 12	
JOB NO.		D011	
ISSUE FOR COMMENT		LD/PREEZ LSMITH LD/PREEZ	
PREPARED		DESIGN	
REVIEW		APPROVED	

