

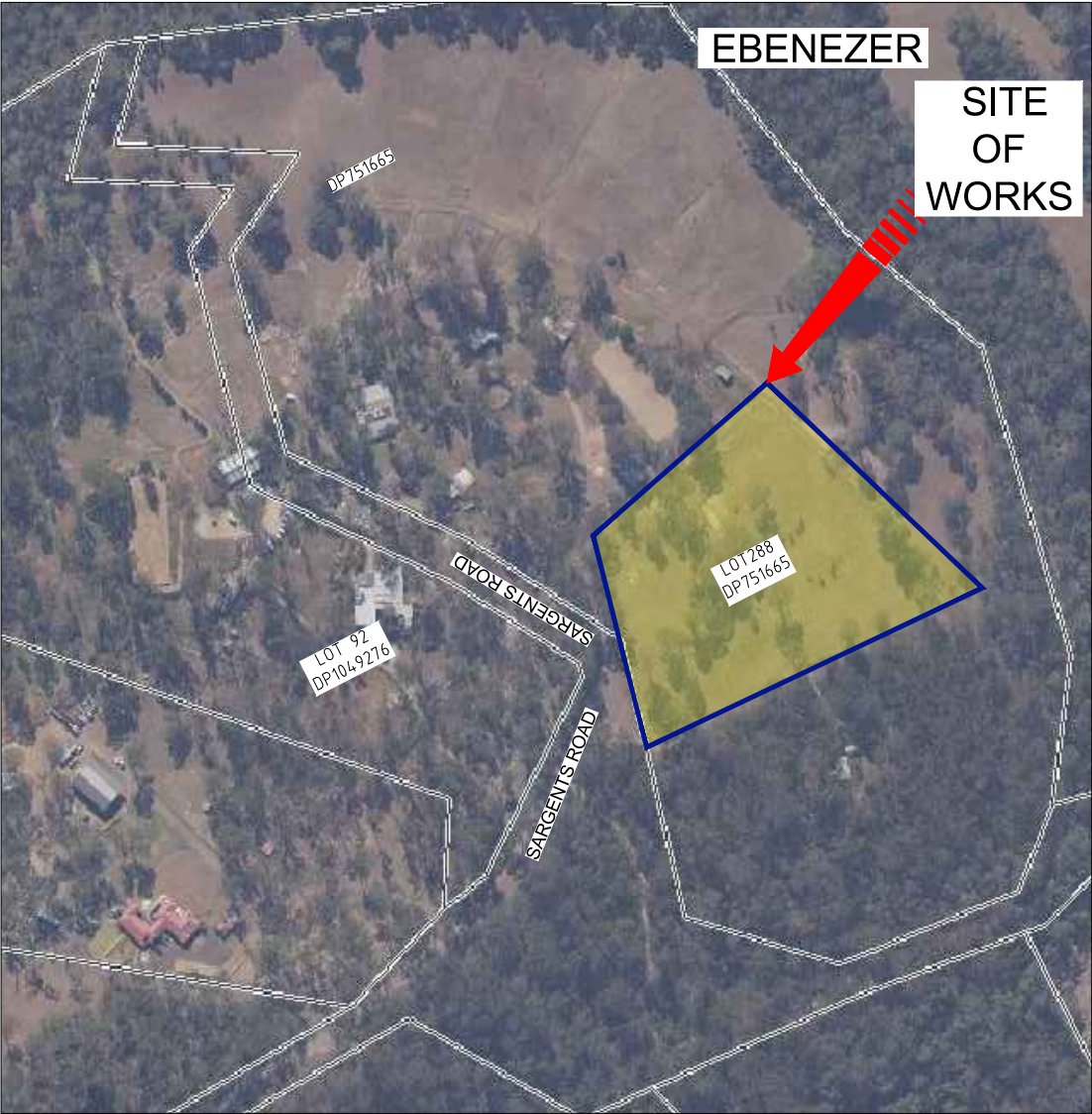
ENGINEERING DRAWINGS FOR PROPOSED DRAINAGE AND SITE
WORKS FOR SUBDIVISION OF LOT 288 DP 751665

99 SARGENTS ROAD
EBENEZER

ISSUED FOR CONCEPT DESIGN
MARCH 2020

SCHEDULE OF DRAWINGS

6954-DA	000	COVER SHEET, LOCALITY PLAN AND SCHEDULE OF DRAWINGS
6954-DA	001	GENERAL NOTES AND LEGEND
6954-DA	015	GRADING PLAN
6954-DA	016	SITE SECTIONS SHEET 1 OF 2
6954-DA	017	SITE SECTIONS SHEET 2
6954-DA	020	ENGINEERING CONCEPT PLAN
6954-DA	050	CIRCULATION ROADWAY LONGITUDINAL SECTION



LOCALITY PLAN
NTS

CLIENT:
HALA CONSTRUCTIONS PTY LTD

CONSULTANTS:



ISSUE NO. 3
27/03/2020
6924-DA-000

GENERAL

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES IN THESE DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
2. THE CONTRACTOR SHALL CHECK, AND BE RESPONSIBLE FOR, THE CORRECTNESS OF ALL DIMENSIONS. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING OFF THE PLANS.
3. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT AUSTRALIAN STANDARDS, THE BY-LAWS AND ORDINANCES OF THE RELEVANT AUTHORITIES AND THE SPECIFICATIONS.
4. NO CHANGES SHALL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN CONSENT OF THE SUPERINTENDENT. THE SUPERINTENDENT IS TO CONFIRM THE EXACT EXTENTS ON SITE PRIOR TO COMMENCEMENT OF STAGE 1.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SAFE WORK PRACTICES ARE FOLLOWED AT ALL TIMES DURING THE COURSE OF THE CONTRACT. OH&S REGULATIONS AND WORK COVER REQUIREMENTS ARE TO BE COMPLIED WITH. REFER TO THE SPECIFICATION AND CONTRACT DOCUMENTS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SURVEY MARKS ARE MAINTAINED. IF THE CONTROL MARKS ARE DESTROYED OR MOVED DURING CONSTRUCTION THE CONTRACTOR MUST SUPPLY ADEQUATE MARKS FOR RE-ESTABLISHMENT AND INFORM THE SUPERINTENDENT.
7. CHANGES, REDUCED LEVELS, CHAINAGES, AND OFFSETS ARE IN METRES UNLESS OTHERWISE SHOWN.
8. LIAISE WITH THE SUPERINTENDENT (APPOINTED BY COUNCIL) PRIOR TO COMMENCEMENT OF WORKS.
9. ALL SITE FILLING SHALL BE COMPACTED TO 98% STANDARD COMPACTION, CONTROLLED BY THE GEOTECHNICAL ENGINEER OR AS INSTRUCTED BY THE SUPERINTENDENT
10. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED BY THE SUPERINTENDENT TO THE REQUIREMENTS OF COUNCIL'S ENGINEER.
11. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS.
12. THE CONTRACTOR SHALL NOT ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE WRITTEN PERMISSION OF THE OWNERS. TO BE PROVIDED PRIOR TO THE APPROVAL OF THE PLANS.
13. SITE FILL AREAS - THE CONTRACTORS REGISTERED SURVEYOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS.
14. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL FOR THE DURATION OF THE PROJECT.
15. ALL TREES WITHIN THE LIMIT OF WORKS TO BE REMOVED UNLESS NOTED. TREES OUT OF LIMIT OF WORKS ZONE ARE TO BE LEFT UNTOUCHED. SHOULD THERE BE ANY IMPACTED TREES OUTSIDE OF WORKS THE SUPERINTENDENT IS TO BE INFORMED IMMEDIATELY.

SITE PREPARATION NOTES

1. ORIGIN OF LEVELS: AHD.
COORDINATES TO MGA - MAP GRID AUSTRALIA
2. ASPHALTIC CONCRETE SHALL CONFORM TO R.T.A. FORM R116.
3. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051 (UNBOUND), R.T.A. FORM 3052 (BOUND) COMPACTED TO A MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF BASECOURSE MATERIAL KEPT.
4. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATION AND CONTRACT DOCUMENTS.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF WORKS, INCLUDING REPAIR AND/OR REPLACEMENT OF DAMAGED SECTIONS. INSPECTIONS ARE TO BE MADE PERIODICALLY DURING PROLONGED RAINFALL EVENTS AND AFTER STORM EVENTS FOR DAMAGE.
7. ALL EXISTING TREES ON THE SITE ARE NOT TO BE DISTURBED OTHER THAN THOSE DESIGNATED ON THE PLANS FOR REMOVAL. THE SUPERINTENDENT IS TO APPROVE ALL TREES TO BE REMOVED. REMAINING TREES MUST BE PROTECTED IN ACCORDANCE TO THE SPECIFICATION.
8. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED OUT BY OTHERS (EG. ADJUSTMENT OF SERVICES). COORDINATION OF THESE WORKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

BULK EARTHWORKS NOTES:

1. ORIGIN OF LEVELS: REFER TO SURVEY PLANS & NOTES.
2. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCKPILE AS DIRECTED BY THE SUPERINTENDENT.
3. COMPACTION, TESTING, FILING, STANDARD DRY DENSITIES & MOISTURE CONTENTS TO BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT

SURVEY NOTES:

1. ALL SITE SET OUT POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR.
2. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE REGISTERED SURVEYOR. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. INDESCO DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
3. CONTACT SUPERINTENDENT IF DISCREPANCIES ARE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND FIELD DATA.

TELSTRA - DUTY OF CARE NOTE

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION. TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

ALL NOTES ARE TO BE READ IN CONJUNCTION WITH THE HAWKESBURY CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.

LEGEND

PROPOSED

EXISTING

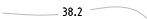
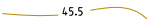
1% AEP FLOOD EXTENT



EXTENT OF WORKS



DESIGN CONTOUR MAJOR



DESIGN CONTOUR MINOR



RETAINING WALL



SITE FENCE



No.	AMENDMENT	APPROVED	DATE	ISSUED BY	DEVELOPMENT TEAM
B	ISSUED FOR DA APPROVAL	RP	02.07.2019	GA	
A	ISSUED FOR DA APPROVAL	RP	26.03.2019	GA	

HALA
CONSTRUCTIONS
PTY LTD



APPROVED	RP	DATE	21/06/2019
CHECKED	KN	DATE	22/03/2019
DESIGNED BY	GA		
DRAWN BY	DK		
CAD FILE: S:\6954 99 Sargents Road Ebenezer\Acad\Current Drawings\Civil\6954-001.dwg			
SCALE	AS SHOWN	SHEET No.	

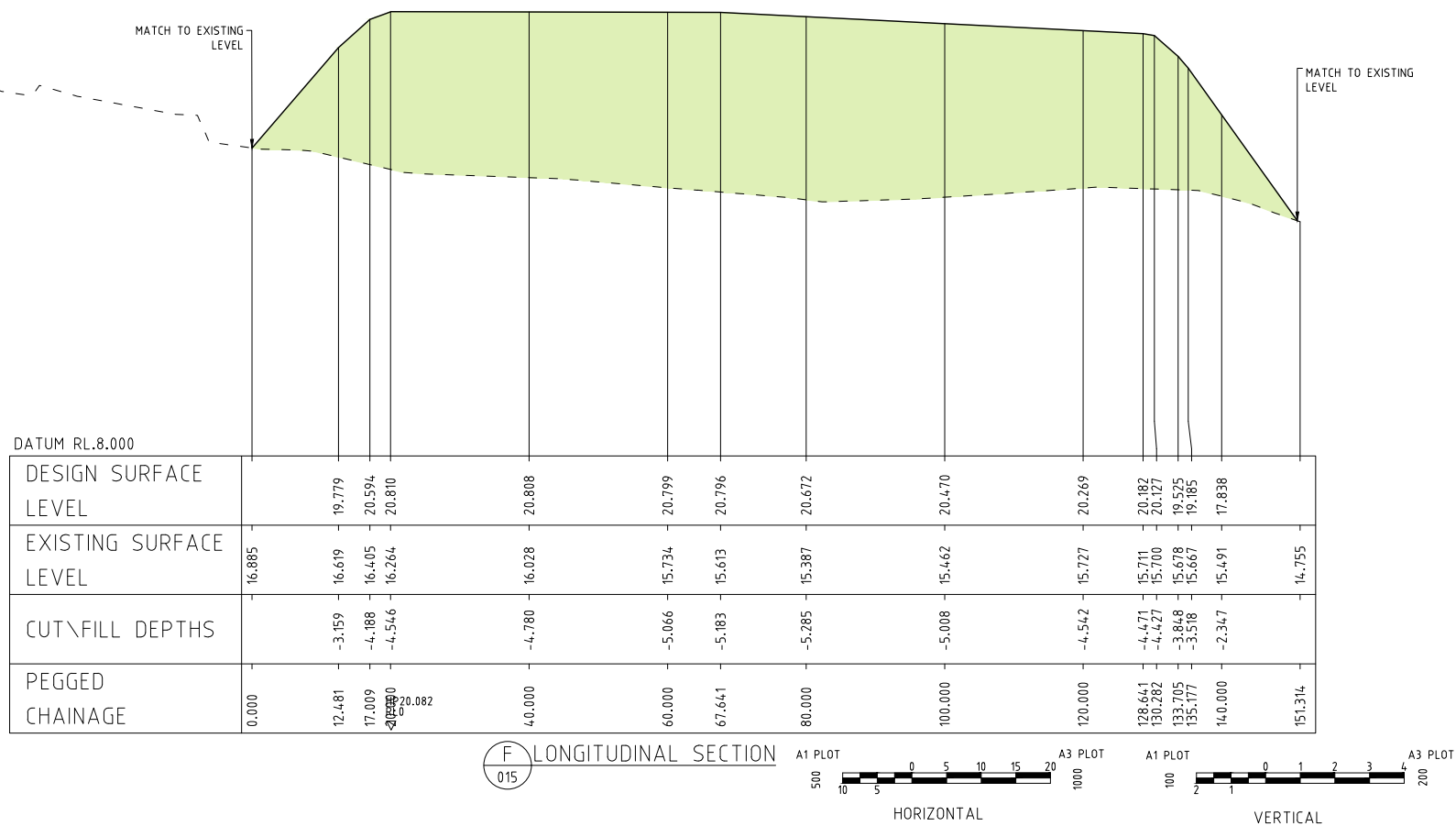
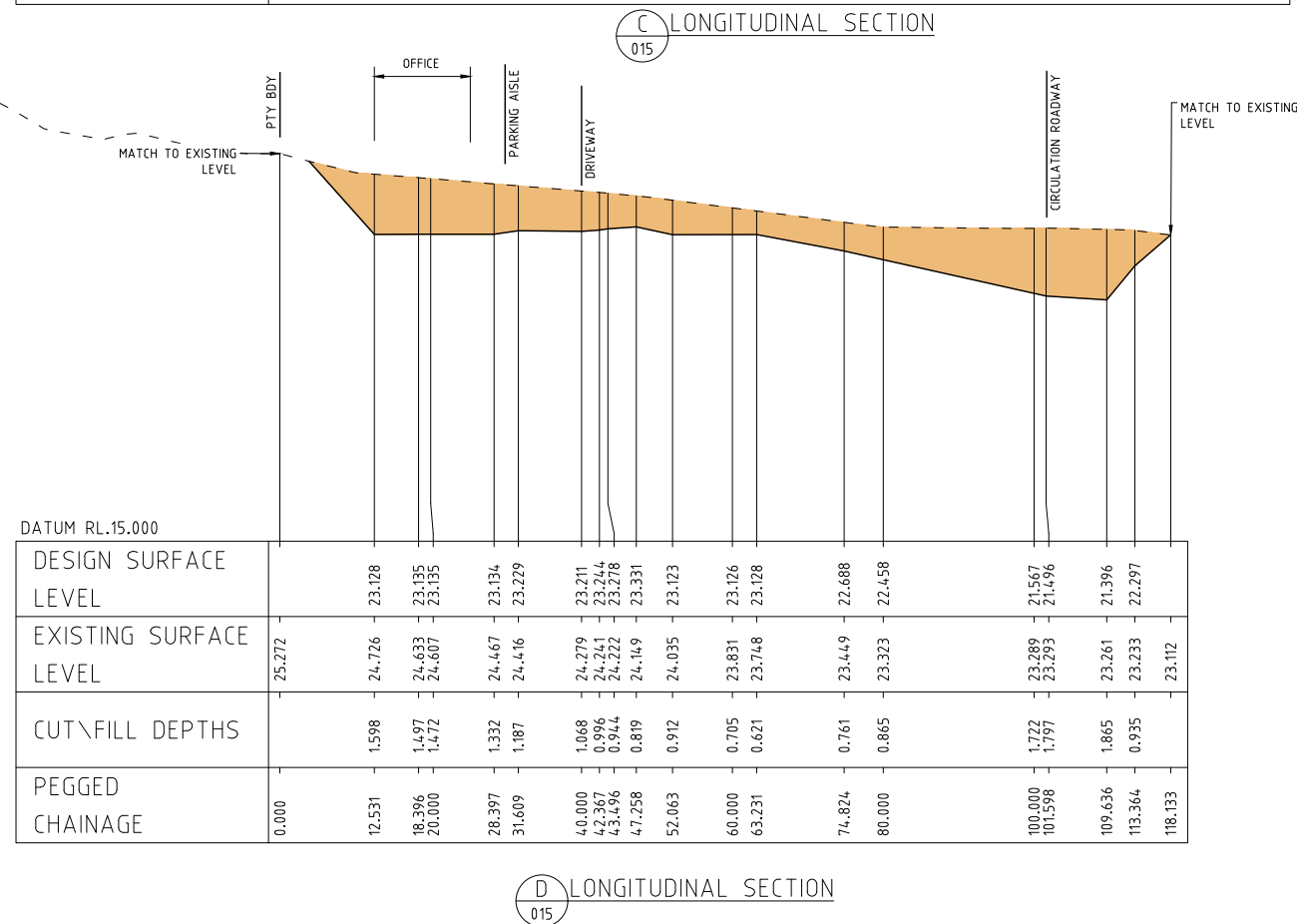
PROJECT

99 SARGENTS ROAD
EBENEZER

DRAWING TITLE
GENERAL NOTES AND LEGEND

PROJECT No. 6954-DA	DRAWING No. 001	AMDT B
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[illegible]

GRADE
VERTICAL CURVE
HORIZONTAL CURVE

DATUM RL.10.000

DESIGN SURFACE LEVEL	28.7148	28.398	28.201	27.910	27.460	27.094	26.673	25.574	24.123	23.483	23.073	22.668	22.353	21.993	21.633	21.513	21.415	21.389	21.309	21.221	21.130	21.100	21.100	21.100	20.741	20.623	20.499
EXISTING SURFACE LEVEL	28.757	28.131	27.862	27.590	27.220	26.936	26.565	25.657	24.728	24.457	24.300	24.125	23.949	23.846	23.698	23.480	23.239	22.881	22.594	22.389	22.191	21.783	21.571	21.465	16.848	16.450	16.304
CUT\FILL DEPTHS	0.010	-0.267	-0.339	-0.320	-0.240	-0.159	-0.108	0.083	0.605	0.973	1.227	1.457	1.596	1.651	1.705	1.713	1.606	1.369	1.179	0.992	0.870	0.652	0.468	0.365	-1.521	-4.173	-4.195
PEGGED CHAINAGE	0.000	7.000	10.000	13.000	17.000	20.000	23.000	30.327	40.000	44.262	47.000	50.000	53.000	54.758	57.000	60.000	63.000	67.000	70.000	72.000	75.000	78.000	81.000	100.000	107.000	110.000	116.624

HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - CIRCULATION ROAD 01

GRADE
VERTICAL CURVE
HORIZONTAL CURVE

DATUM RL.11.000

DESIGN SURFACE LEVEL	24.959	24.103	22.876	22.471	22.156	21.876	21.660	21.552	21.527	21.507	21.487	21.475	21.425	21.399	21.351	21.240	21.232	20.851
EXISTING SURFACE LEVEL	25.163	24.608	23.746	23.430	23.101	22.846	22.472	22.172	22.122	22.059	21.958	21.014	18.872	17.815	17.367	16.942	16.918	15.915
CUT\FILL DEPTHS	0.204	0.506	0.870	0.959	0.945	0.870	0.812	0.620	0.510	0.492	0.071	-0.461	-2.552	-3.583	-3.984	-4.298	-4.316	-4.936
PEGGED CHAINAGE	0.000	5.712	13.889	16.889	19.889	20.000	22.000	29.000	35.122	35.122	35.122	40.000	60.000	70.273	75.273	80.000	80.273	92.640

HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - CIRCULATION ROAD 02

GRADE
VERTICAL CURVE
HORIZONTAL CURVE

DATUM RL.11.000

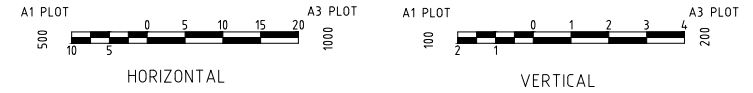
DESIGN SURFACE LEVEL	20.499	20.716	20.852	20.893	20.931	20.995	21.088
EXISTING SURFACE LEVEL	16.304	15.997	15.915	16.075	16.261	16.531	16.851
CUT\FILL DEPTHS	-4.195	-4.719	-4.936	-4.818	-4.670	-4.464	-4.237
PEGGED CHAINAGE	0.000	20.000	34.209	40.000	46.709	60.000	79.187

HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - CIRCULATION ROAD 03

LEGEND

———— DESIGN LEVEL
----- EXISTING LEVEL



No.	AMENDMENT	APPROVED	DATE	AMEND BY	DEVELOPMENT TEAM	CLIENT	PROJECT	DRAWING TITLE
						HALA CONSTRUCTIONS PTY LTD	99 SARGENTS ROAD EBENEZER	CIRCULATION ROADWAY LONGITUDINAL SECTION
C	ADDRESSED RES COMMENTS	KN	27.03.2020	KN		INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au		PROJECT No. 6954-DA
B	ISSUED FOR DA APPROVAL	RP	02.07.2019	GA				DRAWING No. 050
A	ISSUED FOR DA APPROVAL	RP	26.03.2019	GA				AMDT C