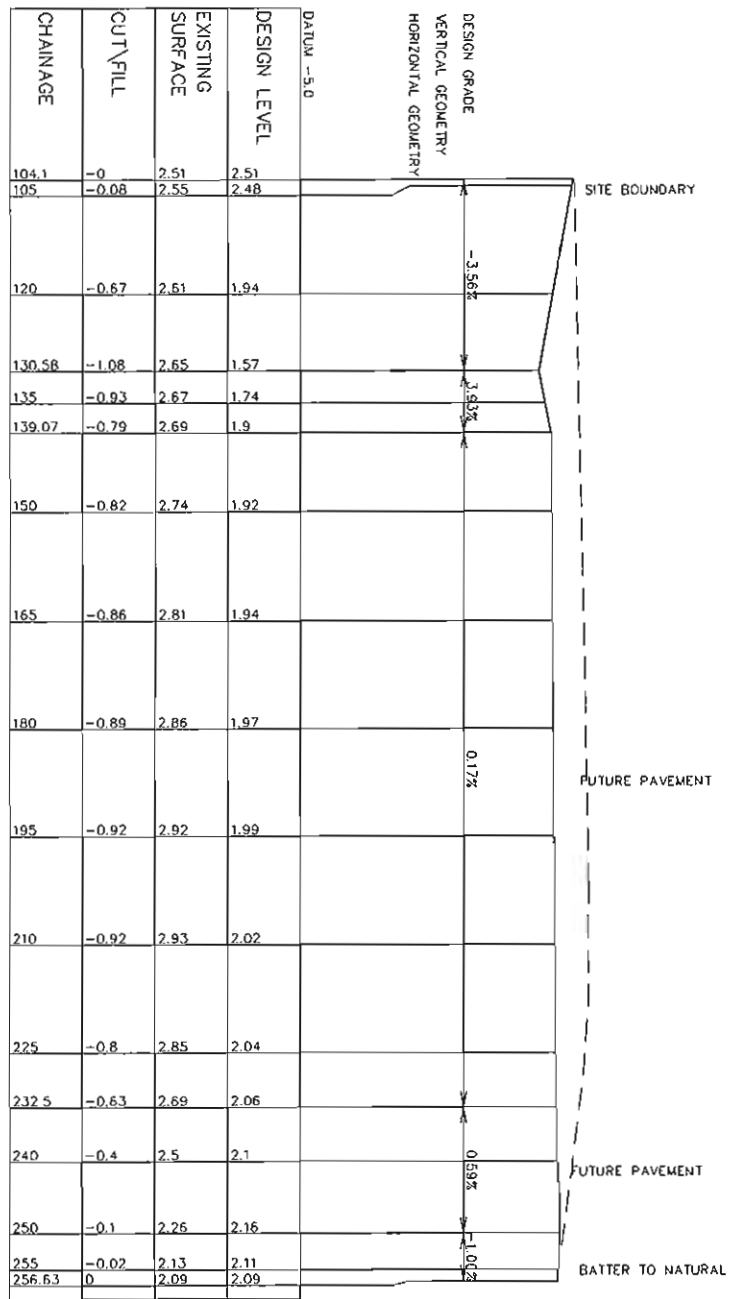


100mm AT FULL SIZE



LONGITUDINAL SECTION 650 (M)

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

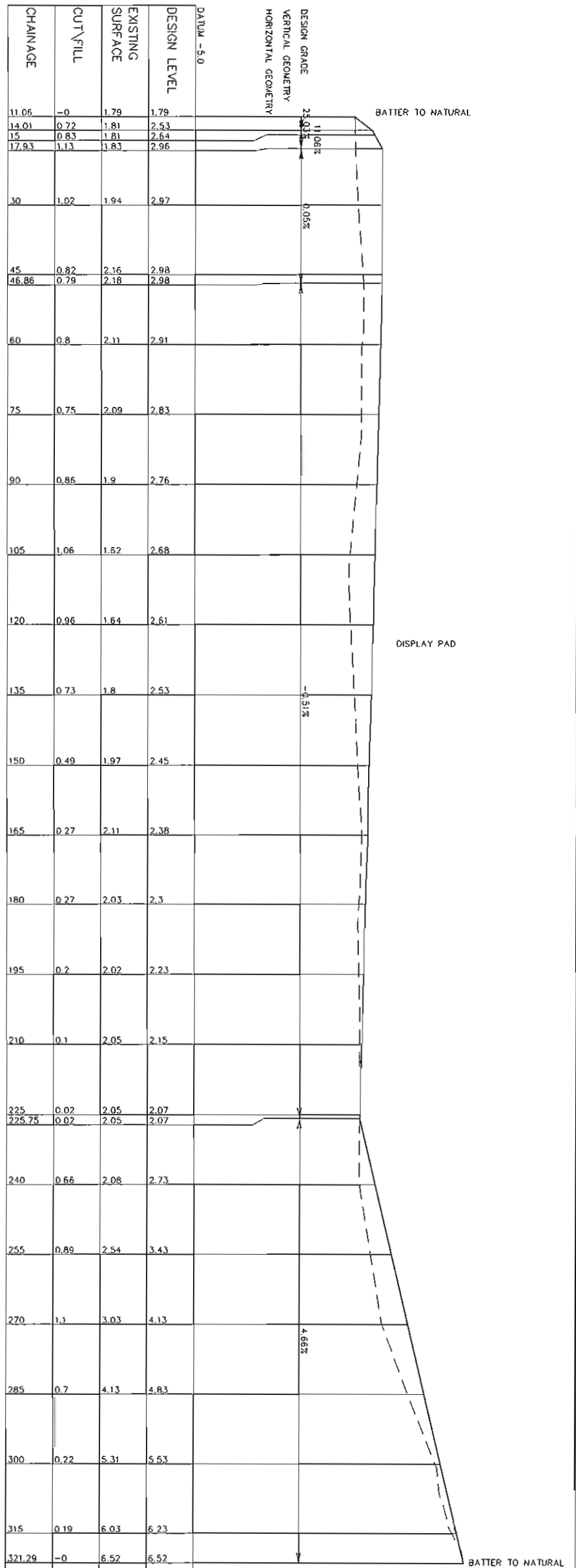
LEGEND
 — BULK EARTHWORKS SURFACE
 - - - NATURAL SURFACE

This plan/specification is to be read in conjunction with the Approved Document of Certificate No. 031/10 Date 08-02-10
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

REV	DATE	AMENDMENT	DRAWN NO	CHECKED NO	DESIGN NO	VERIFY NO	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A	18/12/2008	Issued for approval					VERT 1:100 / 1:200 HORIZ 1:500 / 1:1000	WEPL Investments Pty Ltd	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	STAGE 1A BULK EARTHWORKS
B	19/01/2010	Issued for approval								BULK EARTHWORKS SECTION M

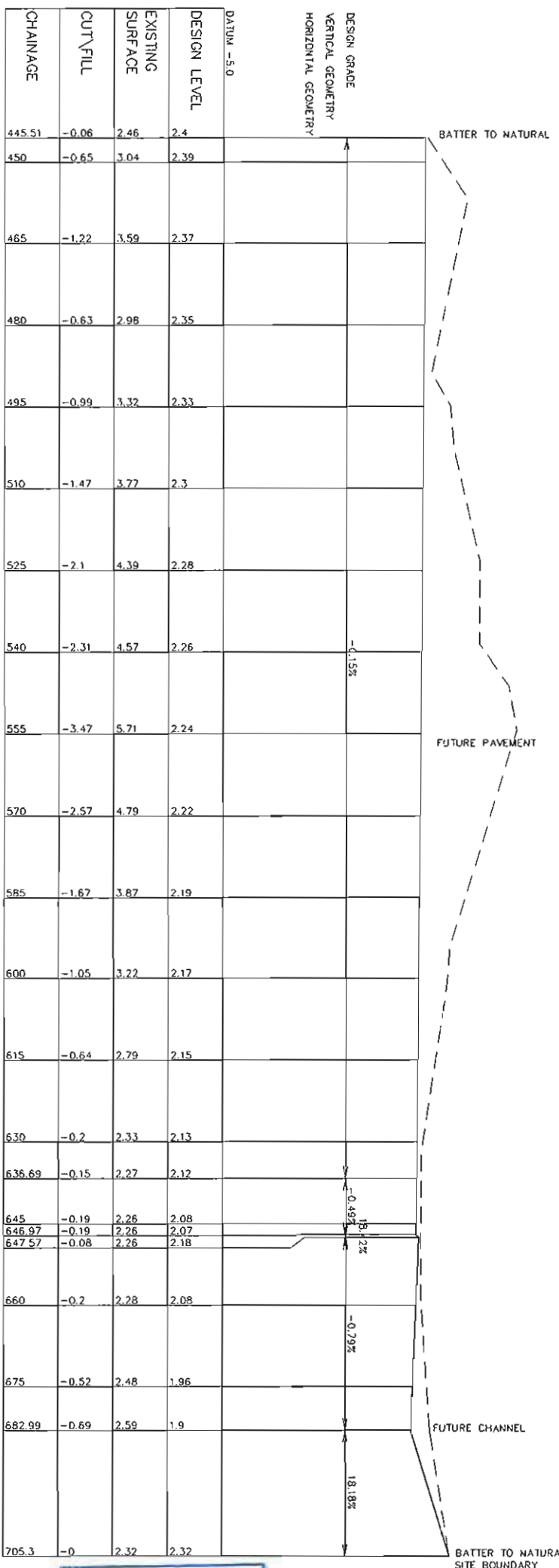
ALL DIMENSIONS ARE IN METRES DO NOT SCALE
 Plotted By: rethand Plot Date: 20/01/10 - 11:16 Cad File: S:\50050\DRAWINGS\Eng\BulkEarth\C2108[B].dwg
 Central Coast
 2 Bounty Coast,
 P.O. Box 3717,
 Tuggerah N.S.W. 2259
 Phone: (02) 4305 4300
 Fax: (02) 4305 4399
 email: central@johnson.com.au
 www.centraljohnson.com.au
 ABN 62 129 445 398
 Project No: 50050 - Discipline: C - Number: 2108 - Rev: B



LONGITUDINAL SECTION 50 (O)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

LEGEND

- BULK EARTHWORKS SURFACE
- - - NATURAL SURFACE



LONGITUDINAL SECTION 250 (S)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

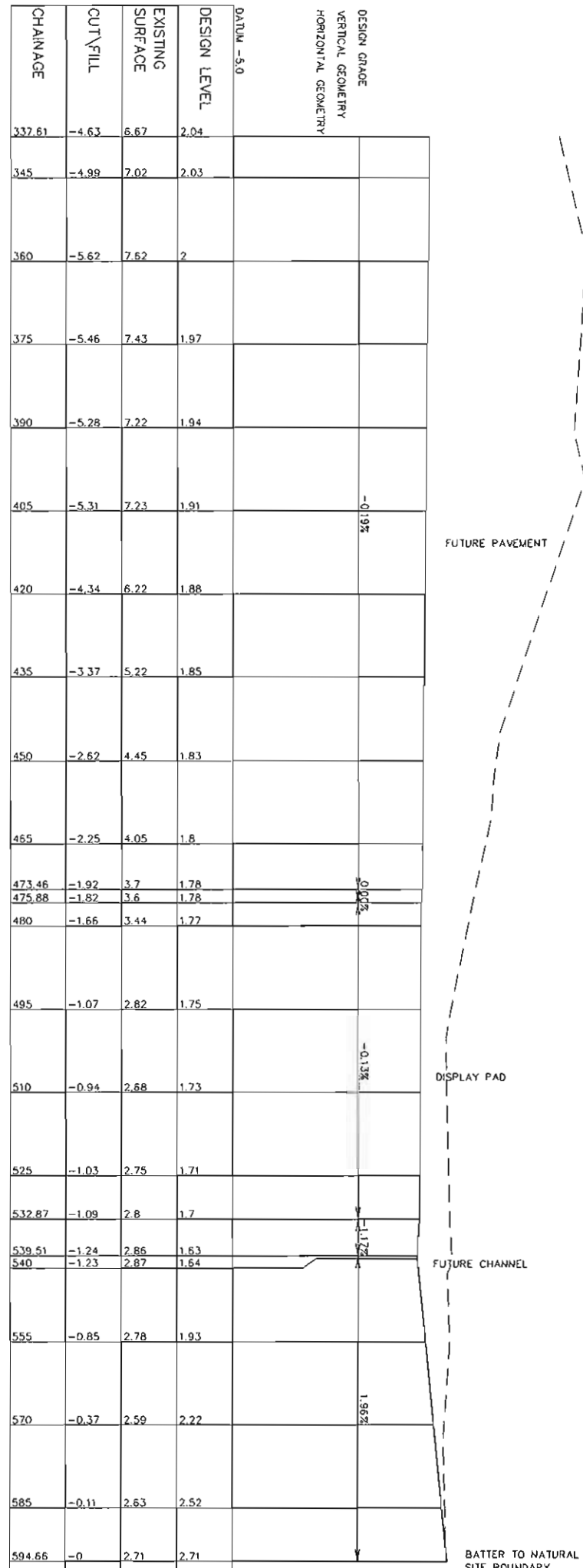
CONSTRUCTION ISSUE

This plan/specification is to be read in conjunction with the Approved Document of Certificate No. 031/10 Date 08-02-10
DIX GARDNER PTY LTD

REV. DATE	AMENDMENT	DRAWING CHECK	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
1	18/12/2009	8	9/01/2010	1	VERT 0 1 2 3 4 HORIZ 0 10 20 1:500/1:1000	WEPL Investments Pty Ltd	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	STAGE 1A BULK EARTHWORKS
ALL DIMENSIONS ARE IN METRES	DO NOT SCALE	NO	NO	NO	NO			BULK EARTHWORKS SECTIONS O AND S
Plotted By: nashond	Plot Date: 20/01/10 - 11:16	NO	NO	NO	NO			PROJECT NO. 50050
		NO	NO	NO	NO			DISCIPLINE C
		NO	NO	NO	NO			NUMBER 2109
		NO	NO	NO	NO			REV. B

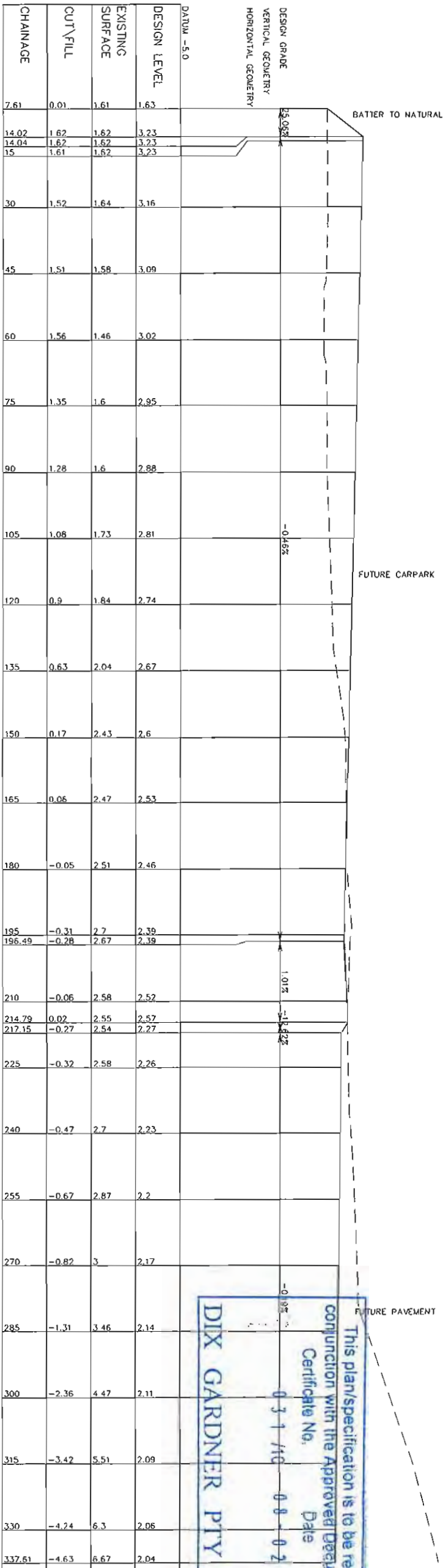
Central Coast
2 Bounty Close
P.O. Box 3717
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: centralcoast@dixgardner.com.au
www.dixgardner.com.au
ABN 62 129 443 398

100mm AT FULL SIZE



LEGEND

- BULK EARTHWORKS SURFACE
- - - NATURAL SURFACE



This plan/specification is to be read in conjunction with the Approved Document of Certificate No. Date 03/1/10 08/02/10
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALE
A	18/12/2008	Issue for approval	ND	HW	ND	HW	A1/A3
B	15/01/2010	Issue for approval	ND	HW	ND	HW	A1/A3

PROPERTY DESCRIPTION	CLIENT
Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	WEPL Investments Pty Ltd

PROJECT	PROPERTY DESCRIPTION	DATE	NUMBER	REV.
STAGE 1A BULK EARTHWORKS	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	50050	2110	B

Plotted By: mthond Plot Date: 20/01/10 - 11:17 Cadd File: S:\50050\DRAWINGS\Eng\BulkEarth\C2110[B].dwg
 A.C. DUNSTON AND ASSOCIATES 60 KOTI SCALE
 Central Coast
 2 Bounty Close,
 P.O. Box 3717,
 Tuggerah N.S.W. 2258
 Phone: (02) 4305 4300
 Fax: (02) 4305 4399
 email: centralcoast@johnson.com.au
 www.odwjohnson.com.au
 A.B.N. 62 129 445 398

100mm AT FULL SIZE

CHAINAGE	CUT/FILL	EXISTING SURFACE	DESIGN LEVEL	DESIGN GRADE VERTICAL GEOMETRY	HORIZONTAL GEOMETRY
337.83	-1.75	4.75	3		
345	-2.13	5.13	3		
360	-2.75	5.75	3		
375	-3.51	6.51	3		
390	-4.33	7.33	3		
405	-5.08	8.08	3		
415.19	-5.47	8.47	3		
416.47	-5.76	8.44	2.68		
420	-5.71	8.34	2.63		
435	-5.49	7.91	2.42		
442.23	-5.38	7.7	2.32		
450	-5.11	7.41	2.3		
465	-4.23	6.5	2.28		
480	-3.25	5.49	2.25		
495	-2.5	4.72	2.22		
510	-1.85	4.04	2.19		
525	-1.35	3.5	2.16		
540	-1.1	3.23	2.13		
555	-0.89	2.99	2.1		
570	-0.83	2.9	2.07		
583.31	-0.83	2.87	2.04		
583.93	-0.71	2.87	2.18		
585	-0.71	2.87	2.18		
600	-0.73	2.84	2.1		
615	-0.75	2.8	2.05		
630	-0.85	2.85	2		
645	-0.83	2.78	1.95		
658.1	-0.78	2.68	1.9		
660	-0.87	2.66	1.79		
664	-1.08	2.63	1.55		
667.83	-0.81	2.6	1.79		
675	-0.3	2.55	2.24		
679.21	0	2.51	2.51		

LONGITUDINAL SECTION 150 (Q cont.)

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

LEGEND

— BULK EARTHWORKS SURFACE
- - - NATURAL SURFACE

CHAINAGE	CUT/FILL	EXISTING SURFACE	DESIGN LEVEL	DESIGN GRADE VERTICAL GEOMETRY	HORIZONTAL GEOMETRY
2.83	-0.01	1.59	1.57		
14.06	1.58	1.55	3.13		
14.11	1.53	1.55	3.08		
15	1.55	1.55	3.1		
19.98	1.69	1.52	3.22		
30	1.82	1.5	3.31		
39.82	1.91	1.5	3.41		
39.98	1.95	1.5	3.45		
45	1.95	1.5	3.45		
60	1.86	1.59	3.45		
75	1.75	1.7	3.45		
79.73	1.72	1.73	3.45		
90	1.58	1.8	3.38		
105	1.37	1.91	3.28		
120	1.06	2.12	3.18		
125.97	0.78	2.36	3.14		
127.52	0.77	2.43	3.2		
135	0.47	2.73	3.2		
150	-0.13	3.33	3.2		
165	-0.74	3.94	3.2		
180	-1.25	4.45	3.2		
195	-1.29	4.49	3.2		
210	-1.25	4.45	3.2		
215.19	-1.21	4.41	3.2		
215.99	-1.41	4.41	3		
225	-1.35	4.35	3		
240	-1.22	4.22	3		
255	-1.07	4.07	3		
270	-0.51	3.51	3		
285	-0.19	3.19	3		
300	-0.54	3.54	3		
315	-0.89	3.89	3		
330	-1.33	4.33	3		
337.83	-1.75	4.75	3		

LONGITUDINAL SECTION 150 (Q)

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

CONSTRUCTION ISSUE

This plan/specification is to be read in conjunction with the Approved Document of Certificate No. 031/10 Date 08-02-10
DIX GARDNER PTY LTD

REV. DATE	AMENDMENT	DESIGN NO.	CHECK NO.	DESIGN NO.	VERIFY NO.	SCALE
A 16/12/2009	Issue for approval					VERT 1:100/1:200
B 29/01/2010	Issue for approval					HORIZ 1:1500/1:1000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

Plotted By: neithard Plot Date: 20/01/10 - 11:17 Cad File: S:\50050\DRAWINGS\Eng\BulkEarth\C2111[B].dwg

Johnson
Central Coast
2 Bourly Close,
P.O. Box 3717,
Tuggeroh N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: central@johnson.com.au
www.johnson.com.au
ABN 62 129 445 398

CLIENT: **WEPL Investments Pty Ltd**

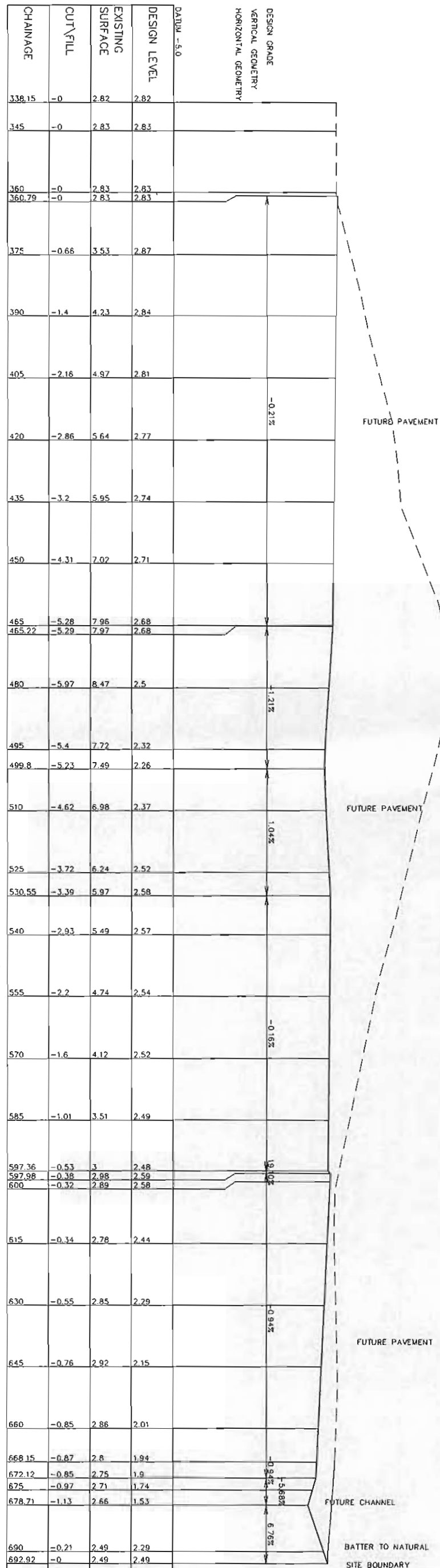
PROPERTY DESCRIPTION: **Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago**

SURVEYED: ADWA DATUM: A.H.O.

PROJECT: **STAGE 1A BULK EARTHWORKS**
PLAN TITLE: **BULK EARTHWORKS SECTION Q**

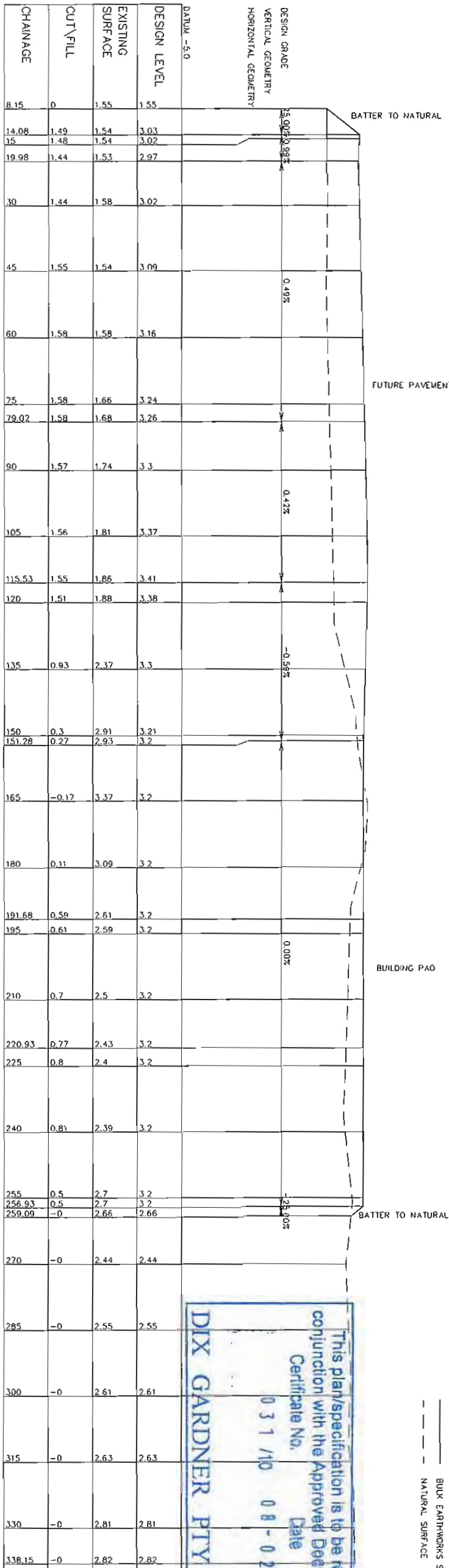
PROJECT NO: **50050** DISCIPLINE: **C** NUMBER: **2111** REV: **B**

100mm AT FULL SIZE



LONGITUDINAL SECTION 200 (R cont.)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

LEGEND
 - - - BULK EARTHWORKS SURFACE
 - - - NATURAL SURFACE



LONGITUDINAL SECTION 200 (R)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

This plan/specification is to be read in conjunction with the Approved Deed of Certificate No. 031/10 08-02-10
 Date
DIX GARDNER PTY LTD

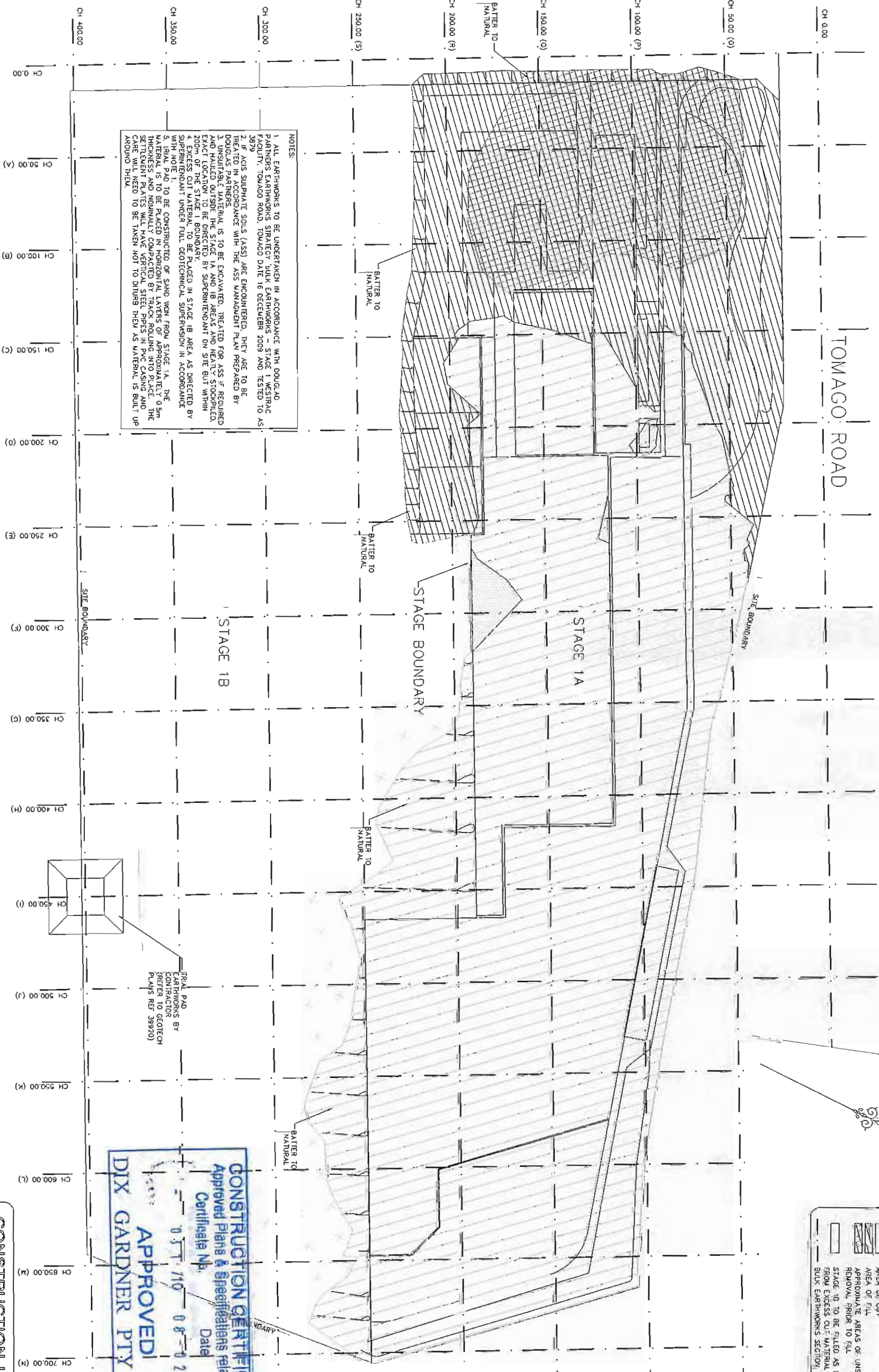
CONSTRUCTION ISSUE

REV. DATE AMENDMENT	DRAWN CHECK DESIGN VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT
A 18/12/2009 Issued for approval	RD ND HW ND HW	VERT 0 1 1:100 / 1:200 HORIZ 0 1 1:500 / 1:1000	Central Coast 2 Bounty Close P.O. Box 3217 Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 www.cdjohnson.com.au	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	STAGE 1A BULK EARTHWORKS
B 15/01/2010 Issued for approval	RD ND HW ND HW		WEPL Investments Pty Ltd		BULK EARTHWORKS SECTION R
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE					PROJECT No. 50050
Printed By: nashond Plot Date: 20/01/10 - 11:17					DISCIPLINE C
CAD File: S:\50050\DRAWINGS\Eng\BulkEarth\C2112[B].dwg					NUMBER 2112
					REV. B

100mm AT FULL SIZE

FUTURE ACCESS ROAD

TOMAGO ROAD



NOTES:

1. ALL EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH DOUGLAS PARTNERS EARTHWORKS STAGE 1 WESTING PLAN, TOMAGO ROAD, TOMAGO DATE 16 DECEMBER 2009 AND TESTED TO AS 3629.
2. IF ACIS SULPHATE SOILS (ASS) ARE ENCOUNTERED, THEY ARE TO BE TREATED IN ACCORDANCE WITH THE ASS MANAGEMENT PLAN PREPARED BY DOUGLAS PARTNERS.
3. UNSUITABLE MATERIAL IS TO BE EXCAVATED, TREATED FOR ASS IF REQUIRED AND HAULED OUTSIDE THE STAGE 1A AND 1B AREAS AND NEATLY STOCKPILED. EXACT LOCATION TO BE DIRECTED BY SUPERINTENDANT ON SITE BUT WITHIN 200m OF THE STAGE 1 BOUNDARY.
4. EXCESS CUT MATERIAL TO BE PLACED IN STAGE 1B AREA AS DIRECTED BY SUPERINTENDANT UNDER FULL GEOTECHNICAL SUPERVISION IN ACCORDANCE WITH STAGE 1B EARTHWORKS PLAN.
5. LIBAL PAD TO BE CONSTRUCTED OF SAND WORN FROM STAGE 1A. THE MATERIAL IS TO BE PLACED IN HORIZONTAL LAYERS OF APPROXIMATELY 0.5m THICKNESS AND NOMINALLY COMPACTED BY TRACK ROLLING INTO PLACE. THE SETTLEMENT PLATES WILL HAVE VERTICAL STEEL PIPES IN PVC CASING AND CARE WILL NEED TO BE TAKEN NOT TO DISTURB THEM AS MATERIAL IS BUILT UP AROUND THEM.

LIBAL PAD
EARTHWORKS BY
CONTRACTOR
(REFER TO GEOTECH
PLANS REF 38920)

CONSTRUCTION CERTIFICATE
Approved Plans & Specifications relating to:
Certificate No. _____ Date _____
APPROVED!
DIX GARDNER PTY LTD

LEGEND

- AREA OF CUT
- AREA OF FILL
- APPROXIMATE AREAS OF UNSUITABLE REMOVAL PRIOR TO FILL
- STAGE 1B TO BE FILLED AS DIRECTED FROM EXCESS CUT MATERIAL BULK EARTHWORKS SECTION

CONSTRUCTION ISSUE

REV	DATE	AMENDMENT	DESIGN CHECK	DESIGN YEAR	SCALES
A	16/11/2008	Issued for approval	NO	NO	A1 / A3
B	19/01/2010	Issued for approval	NO	NO	1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE
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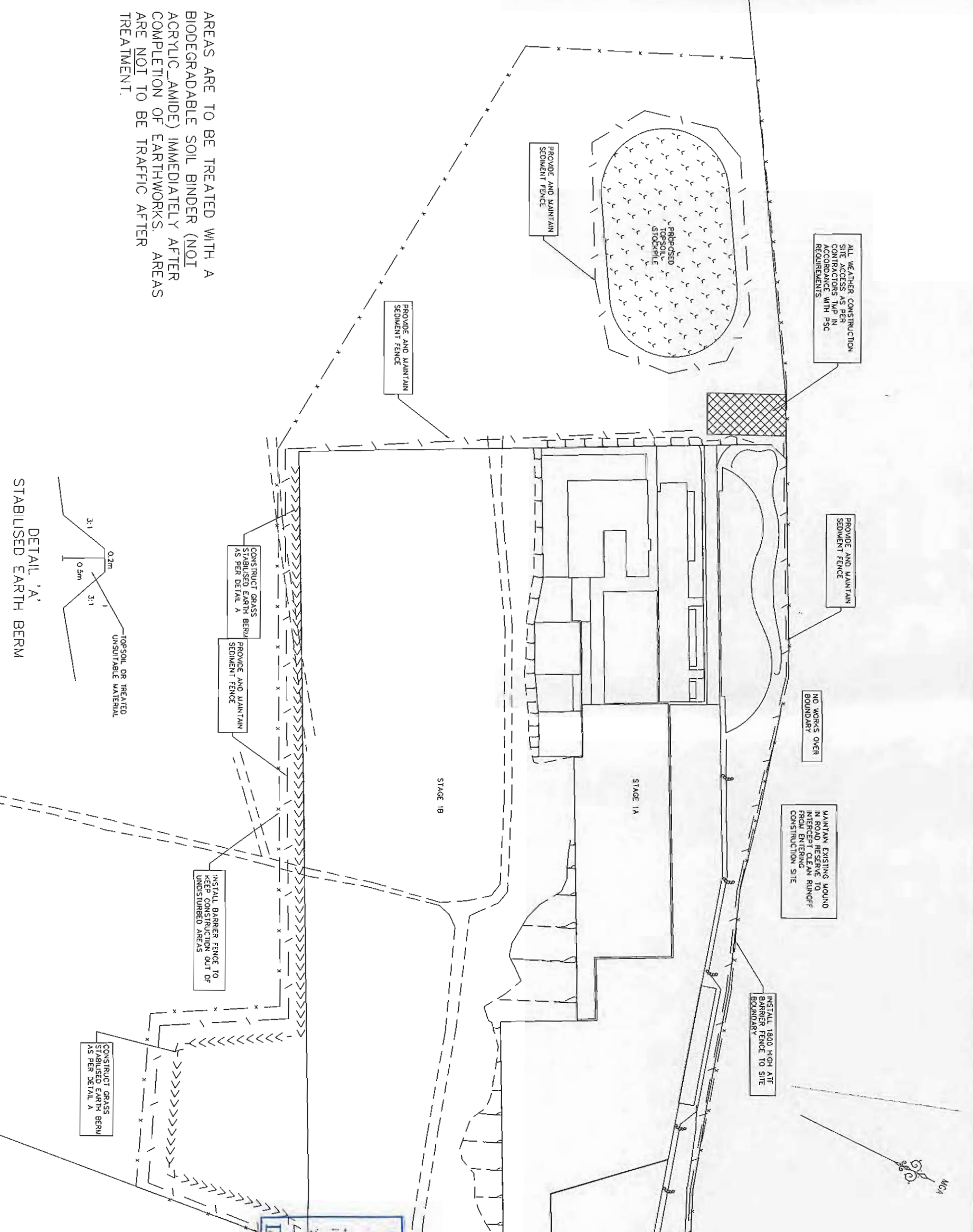
CLIENT	PROPERTY DESCRIPTION	PROJECT
WEPL Investments Pty Ltd	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	STAGE 1A BULK EARTHWORKS BULK EARTHWORKS PLAN OF OPERATIONS

SURVEYED	ADW	DATUM	A.H.D.	PROJECT NO.	50050	DISCIPLINE	C	NUMBER	2113	REV	B
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cdw
Johnson

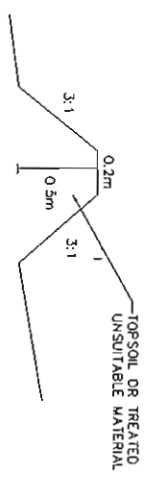
Central Coast
2 Bounly Close,
P.O. Box 3717,
Tuggeroh N.S.W. 2258
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: central@johnson.com.au
www.cdw-johnson.com.au
ABN 62 129 445 388

100mm AT FULL SIZE



AREAS ARE TO BE TREATED WITH A BIODEGRADABLE SOIL BINDER (NOT ACRYLIC_AMIDE) IMMEDIATELY AFTER COMPLETION OF EARTHWORKS. AREAS ARE NOT TO BE TRAFFIC AFTER TREATMENT.

DETAIL 'A'
STABILISED EARTH BERM



LEGEND

- EXISTING LOT/BOUNDARY
- PROPOSED LOT BOUNDARY
- DESIGN SURFACE CONTOURS
- STABILISED SITE ACCESS
- PROPOSED TOPSOIL STOCKPILE AREA
- SILT FENCE
- DIVERSION DRAIN
- BARRIER FENCING - A/F 1800 HIGH
- HAY BALES
- BARRIER FENCING - A/F 1800 HIGH

CONSTRUCTION CERTIFICATE
Approved Plans & Specifications relating to:
Certificate No. 031/10 08-02-10
APPROVED
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

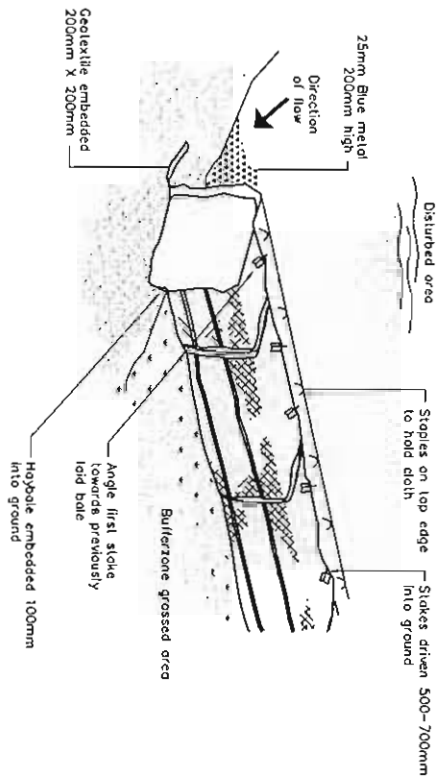
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A	18/11/2009	Issued for approval	ND	HW	ND	HW	A1 / A3
B	19/01/2010	Issued for approval	ND	HW	ND	HW	1:1500 / 1:3000

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE
 Plotted By: noahand Plot Date: 20/01/10 - 11:18 Cad File: S:\00050\DRAWINGS\Eng\Bulkearth\C2114[B].dwg

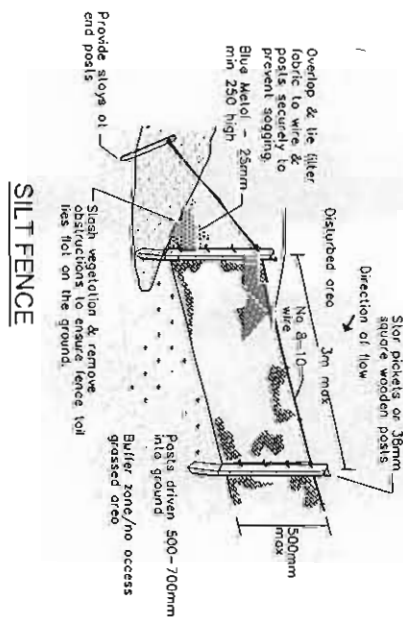
CLIENT	PROPERTY DESCRIPTION	PROJECT
WEPJ Investments Pty Ltd	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	STAGE 1A BULK EARTHWORKS EROSION AND SEDIMENTATION CONTROL PLAN

SURVEYED	DRAWN	A.H.D.	PROJECT NO.	DISCIPLINE	NUMBER	REV.
ADWJ		A.H.D.	50050	C	2114	B

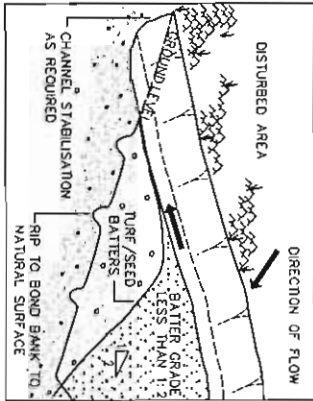
Central Coast
 2 Bently Close
 P.O. Box 3717
 Tuggerah N.S.W. 2259
 Phone: (02) 4305 4300
 Fax: (02) 4305 4399
 email: cost@johnson.com.au
 www.edwjohnson.com.au
 ABN 62 129 445 398



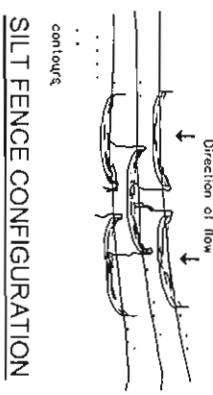
HAYBALE & GEOTEXTILE FENCE



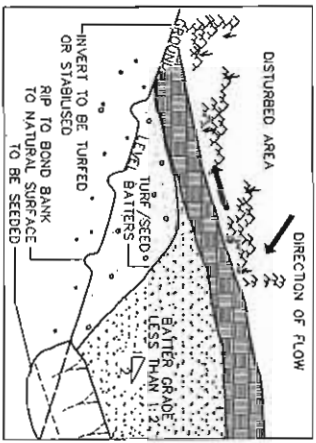
SILT FENCE



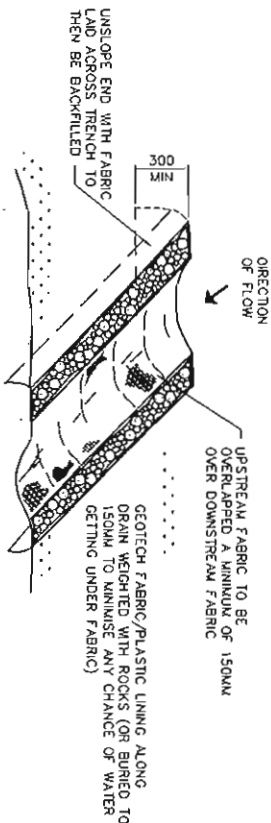
DIVERSION DRAIN



SILT FENCE CONFIGURATION



DIVERSION BANK



FABRIC/PLASTIC LINED DRAIN

EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSISTENT WITH THE APPROVED MANAGEMENT PLANS AND CONSENT.
2. DISTURBED AREAS TO BE KEPT TO A MINIMUM AND PROTECTED FROM EROSION.
3. CONTROL CLEAN WATER FLOW ABOVE THE SITE AND THROUGH THE SITE. CLEAN RUNOFF IS TO BE INTERCEPTED BY GRASS STABILISED EARTH BERMS PRIOR TO ENTERING DISTURBED AREAS AND DIRECTED AROUND THE CONSTRUCTION SITE.
4. CONSTRUCT AN ALL WEATHER CONSTRUCTION ACCESS TO THE SITE.
5. CONSERVE ALL TOPSOIL, STOCKPILE AND PROTECT FOR REUSE ON SITE. ALL STOCKPILES OF MATERIAL TO BE PLACED AWAY FROM DRAINAGE FLOW PATHS AND ALL STOCKPILES OF MATERIAL TO BE SURROUNDED BY SILT FENCING AT ALL TIMES.
6. CONSTRUCT STABILISED DIVERSION BANKS FROM STRIPPED TOPSOIL TO COLLECT RUNOFF FROM DISTURBED AREAS AND DIRECT IT TO THE SEDIMENT BASIN.
7. SEDIMENT BASIN TO BE CONSTRUCTED OF STABILISED EARTH EMBANKMENTS FROM ON SITE MATERIAL.
8. ERECT AND MAINTAIN SILT FENCES AT THE DOWNSLOPE SIDE OF DISTURBED AREA DURING CONSTRUCTION.
9. PLACE HAYBALES IN OVERLAND FLOW PATHS AT 40 - 50m INTERVALS.
10. ALL DISTURBED AREAS ARE TO BE REVEGETATED OR OTHERWISE PROTECTED AS SOON AS PRACTICAL.
11. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL COMPLETE REVEGETATION IS ACHIEVED.
12. DUST SUPPRESSION WILL BE REQUIRED FOR THE CONTROL OF AIRBORNE PARTICLES DURING CONSTRUCTION.
13. WIND SUPPRESSION SHALL BE PROVIDED BY WIND FENCING AT RIGHT ANGLES TO THE PREVAILING WIND.
14. THE FINISHED SAND WILL NEED TO BE STABILISED BY SPRAYING A BIODEGRADABLE SOIL BINDING POLYMER (BOL ACRYLIC AMIDES) TO PREVENT WIND EROSION.
15. THE CONTRACTOR SHALL SUPPLY AND ERECT CONCRETE STANDARD EROSION AND SEDIMENTATION CONTROL SIGNS. THE SIGNS SHALL BE ERECTED IN A PROMINENT LOCATION NEAR THE ENTRANCE TO THE DEVELOPMENT AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION.
16. AREAS OUTSIDE THE BOUNDARIES OF THE PROPOSED DEVELOPMENT WILL BE FENCED WITH NO GO FENCING TO KEEP THE AREAS FREE FROM DISTURBANCE OF MACHINERY, PARKED VEHICLES AND WASTE MATERIAL.

CONSTRUCTION CERTIFICATE
 Approved Plans & Specifications relating to:
 Certificate No. 031/10 Date 08-02-10
APPROVED
 DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

REV	DATE	DESCRIPTION	DESIGN	CHECK	DESIGN	VERIFY	SCALE
A	18/12/2009	Issued for approval	ND	HW	ND	HW	AT / A3
B	19/01/2010	Issued for approval	ND	HW	ND	HW	1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE
 PLOTTED BY: nashbond Plot Date: 20/01/10 - 11:18 Cad File: S:\300030\DRAWINGS\Eng\Bauker\c2115[B].dwg

CLIENT	WEPL Investments Pty Ltd
PROPERTY DESCRIPTION	Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago
PROJECT	STAGE 1A BULK EARTHWORKS
PLAN TITLE	EROSION AND SEDIMENTATION CONTROL TYPICAL DETAILS AND NOTES
PROJECT NO.	50050
DISCIPLINE	C
NUMBER	2115
REV.	B

Central Coast
 2 Bounty Close
 P.O. Box 3717
 Tuggerah N.S.W. 2259
 Phone: (02) 4305 4300
 Fax: (02) 4305 4399
 email: central@cdwjohnson.com.au
 www.cdwjohnson.com.au
 ABN 62 129 445 398

CDW Johnson
 Scales: 0 10 20 30 40
 AT / A3
 1:1000 / 1:2000