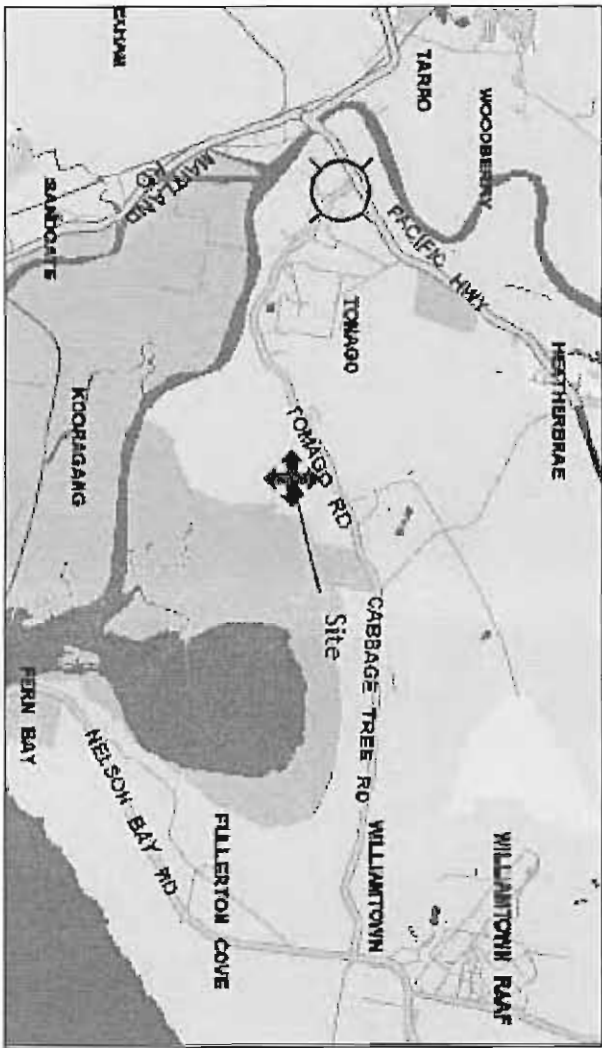


STAGE 1A BULK EARTHWORKS INDUSTRIAL SUBDIVISION OF LOT 161 DP 774440 TOMAGO ROAD, TOMAGO

BULK EARTHWORKS NOTES

1. EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE EROSION AND SEDIMENTATION CONTROL PLAN.
2. SITE REGRADE AREAS IS TO BE DRAINED IF REQUIRED AND ALL EXISTING VEGETATION REMOVED.
3. STRIP THE SURFACE OF TOPSOIL, ORGANIC MATERIAL AND ANY OTHER DELETERIOUS MATERIALS FROM STAGE 1A AREAS. THIS EXPOSED GROUND IS TO BE COVERED WITH A MINIMUM OF 100mm OF SAND. THE SAND IS TO BE PLACED AND COMPACTED TO A MINIMUM OF 98% STANDARD DRY DENSITY RATIO (AS1289.5.1.1) IF OTHER MATERIAL IS TO BE USED FOR USE IN FUTURE LANDSCAPING. IN AREAS OF DEEPER TOPSOIL, THERE MAY NEED TO BE ACID SULPHATE TREATMENT OF THE SOILS. THE REMOVAL OF DEEP LAYERS OF MATERIAL (GREATER THAN 50mm) NEED TO BE COMPLETED UNDER GEOTECHNICAL SUPERVISION AND TREATED IN ACCORDANCE WITH THE ACID SULPHATE MANAGEMENT PLAN.
4. PROOF ROLL THE STRIPPED SURFACE (SAND) USING AN 8 T - 10 T ROLLER. IN THE PRESENCE OF A GEO-TECHNICAL, ANY WEAK ZONES EXHIBITING SIGNIFICANT DEFLATION UNDER THE ROLLER SHOULD BE FURTHER EXCAVATED AS DIRECTED AND REPLACED WITH COMPACTED GRANULAR FILL. COMPACT THE SAND TO A MINIMUM OF 75% DENSITY INDEX (AS1289.5.1.1).
5. PLACE FILL MATERIAL (SAND FROM THE CUT AREA) IN UNIFORM HORIZONTAL LAYERS OF 0.3 m MAXIMUM LOOSE THICKNESS.
6. COMPACT EACH FILL LAYER TO A MINIMUM OF 75% DENSITY INDEX (AS1289.5.1.1) IF SAND, OR A MINIMUM OF 98% STANDARD DRY DENSITY RATIO (AS1289.5.1.1) IF OTHER MATERIAL.
7. CONTINUE TO PLACE AND COMPACT FILL AS ABOVE TO THE DESIGN SUBGRADE LEVEL.
8. ADDITIONAL MATERIAL, WON FROM THE ON SITE CUT SHALL BE PLACED EVENLY OVER THE REMAINDER OF STAGE 1A AS DIRECTED BY THE SUPERINTENDENT AS PER BELOW:
 - PRIOR TO FILLING STAGE 1A AREA REMOVE ANY BUSHES, OTHER LARGE VEGETATION AND DELETERIOUS MATERIALS FROM THE SURFACE LEAVING GRASSES AND REEDS FLATTENED TO PROVIDE SOME SURFACE REINFORCEMENT.
 - IN AREAS THAT ARE PARTICULARLY WET AND SOFT HAVE LITTLE GRASS COVER OR INCLUDE ORANGE MANURELS SHALL HAVE A BROAD AND GEOMETRIC PLACED OVER THE EXISTING SURFACE PRIOR TO FILLING.
 - SPREAD THE EXCESS SAND OVER THE GROUND SURFACE USING TRACKED MACHINERY ONLY. THE REQUIRED THICKNESS OF THE BRIDGING LAYER IS EXPECTED TO BE ABOUT 0.5 m TO 0.6 m. DO NOT APPLY VIBRATORY COMPACTION OR HEAVY ROLLING OF THE BRIDGING LAYER.
8. EARTHWORKS TO BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS1289.5.1.1. TEST RESULTS SUPPLIED WITH TWO DAYS OF TESTING. A FINAL REPORT SHALL BE SUBMITTED TO THE PRINCIPAL CERTIFYING AUTHORITY AT COMPLETION OF WORKS.
9. STOCKPILE AREAS TO BE FULLY FENCED WITH SILT FENCE AT ALL TIMES.
10. ALL AREAS DISTURBED DURING EARTHWORKS ARE TO BE STABILISED WITH A SPRAYED BIODEGRADABLE SOIL BINDING POLYMER.
11. WHERE PRACTICAL CAT-CHAINS ARE TO BE CONSTRUCTED UPSCOPE OF THE SITE REGRADE TO DIVERT CLEAN SURFACE WATER.
12. EROSION AND SEDIMENT CONTROLS ARE TO BE MAINTAINED UNTIL COMPLETE REHABILITATION HAS BEEN ACHIEVED.



LOCALITY SKETCH
N.T.S

INDEX OF DRAWINGS

No.	NAME
C2100	DRAWING INDEX, GENERAL NOTES AND LOCALITY SKETCH
C2101	BULK EARTHWORKS PLAN
C2102	BULK EARTHWORKS SECTIONS A AND B
C2103	BULK EARTHWORKS SECTIONS C AND D
C2104	BULK EARTHWORKS SECTIONS E AND F
C2105	BULK EARTHWORKS SECTIONS G AND H
C2106	BULK EARTHWORKS SECTIONS I AND J
C2107	BULK EARTHWORKS SECTIONS K AND L
C2108	BULK EARTHWORKS SECTION M
C2109	BULK EARTHWORKS SECTION P
C2110	BULK EARTHWORKS SECTION Q
C2111	BULK EARTHWORKS SECTION R
C2112	BULK EARTHWORKS SECTION S
C2113	BULK EARTHWORKS PLAN OF OPERATIONS
C2114	EROSION AND SEDIMENTATION CONTROL PLAN
C2115	EROSION AND SEDIMENTATION CONTROL STANDARD DETAILS AND NOTES

GENERAL NOTES

1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE DEVELOPMENT CONSENT AND THE APPROVED MANAGEMENT PLANS.
2. THE PRINCIPAL CERTIFYING AUTHORITY MUST BE NOTIFIED A MINIMUM 5 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. ALL EXTERNAL WORKS CARRIED OUT ON COUNCIL PROPERTY SHALL BE IN ACCORDANCE WITH COUNCIL'S POLICY FOR VEHICLE ACCESS AND ROAD AND DRAINAGE WORKS.
4. EROSION & SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO CONSTRUCTION COMMENCING, AND MAINTAINED DURING THE CONTRACT PERIOD AND UNTIL VEGETATIVE COVER ACHIEVED.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT.
7. ALL EARTHWORKS ARE TO BE COMPLETED UNDER GEOTECHNICAL SUPERVISION IN ACCORDANCE WITH THE BULK EARTHWORKS DOCUMENTATION. TESTING SHALL BE IN ACCORDANCE WITH AS3798.
9. ALL PUBLIC UTILITIES ARE TO BE CLEARLY IDENTIFIED IN THE FIELD PRIOR TO ANY CIVIL WORKS AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL BOTH POSITION & LEVEL OF THESE UTILITIES IN CONJUNCTION WITH THE APPROPRIATE AUTHORITY.
10. WORKING HOURS ON SITE SHALL BE IN ACCORDANCE WITH EPA REQUIREMENTS AND CONDITIONS OF CONSENT.
11. TRAFFIC CONTROL MEASURES TO BE INSTALLED PRIOR TO CONSTRUCTION AND APPROVED TRAFFIC MANAGEMENT PLAN TO BE SUBMITTED TO THE PRINCIPAL CERTIFYING AUTHORITY.
12. ALL LEVELS MUST BE OBTAINED FROM ESTABLISHED BENCH MARKS AS DIRECTED BY THE SUPERINTENDENT.

CONSTRUCTION CERTIFICATE

Approved Plans & Specifications relating to:

03 1 /10 08 - 02 - 10

APPROVED

DIX GARDNER PTY LTD

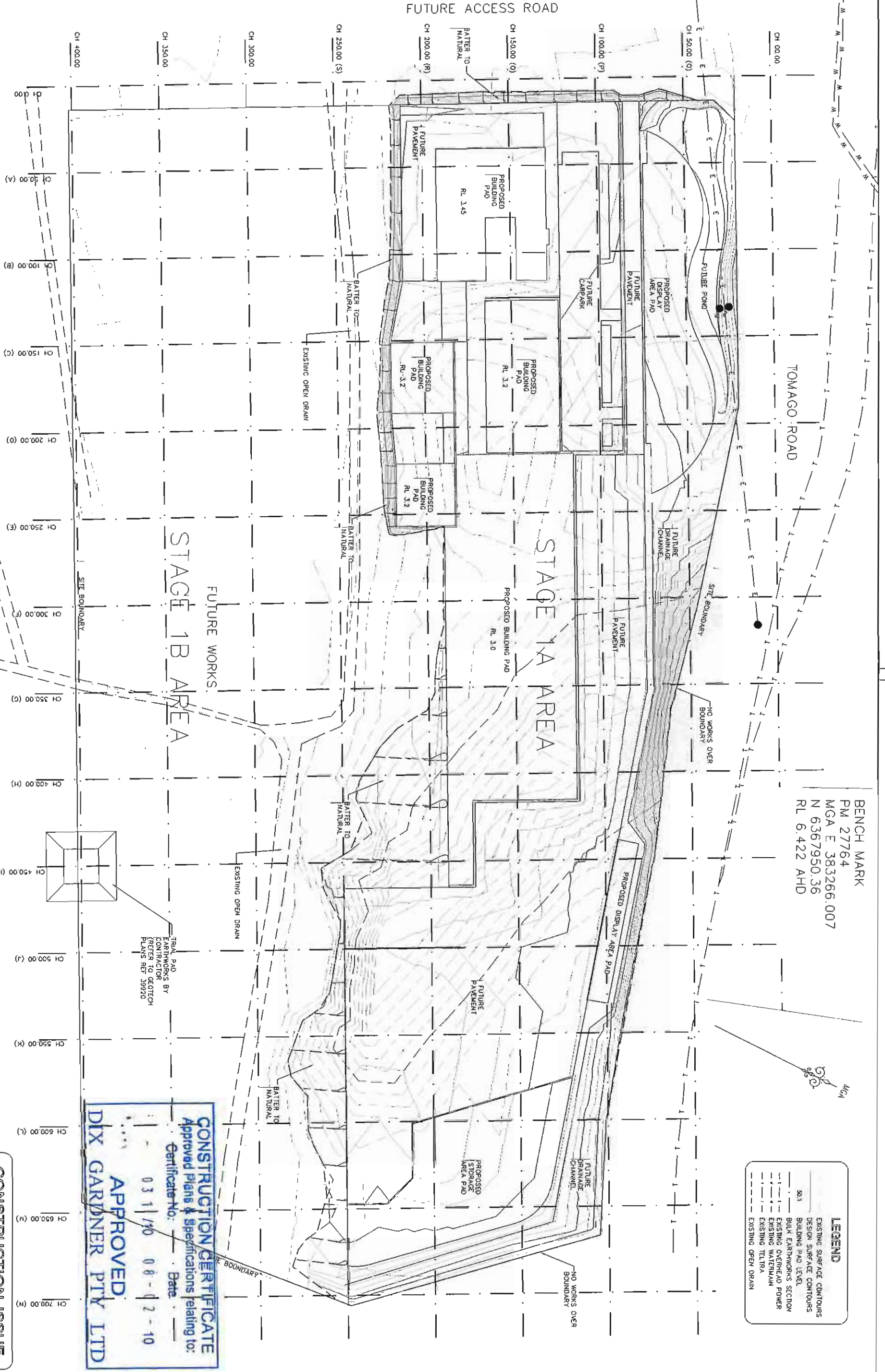
CONSTRUCTION ISSUE

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2	19/01/2010	Revised FOR APPROVAL	ND	HW	ND	HW	

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<p>Central Coast 2 Bourily Close, P.O. Box 3717, Tuggerah N.S.W. 2258 Phone: (02) 4305 4306 Fax: (02) 4305 4399 email: central@johnson.com.au www.centraljohnson.com.au ABN: 62 129 445 388</p>	<p>Client WEPL Investments Pty Ltd</p>	<p>PROPERTY DESCRIPTION Stage 1A Bulk Earthworks for WestTrac Site Lot 161 DP774440 Tomago Road, Tomago</p>
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PROJECT STAGE 1A BULK EARTHWORKS	PLAN TITLE TITLE SHEET, LOCALITY SKETCH AND DRAWING INDEX	PROJECT No. 50050 DISCIPLINE C NUMBER 2100 REV. B
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BENCH MARK
 PM 27764
 MGA E 383266.007
 N 6367950.36
 RL 6.422 AHD

LEGEND	
	EXISTING SURFACE CONTOURS
	DESIGN SURFACE CONTOURS
	BUILDING PAD LEVEL
	BULK EARTHWORKS SECTION
	EXISTING OVERHEAD POWER
	EXISTING WATERMAIN
	EXISTING TELSTRA
	EXISTING OPEN DRAIN

CONSTRUCTION CERTIFICATE
 Approved Plans & Specifications relating to:
 Certificate No: 031170 Date: 08-12-10
APPROVED
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
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B	19/01/2010	Issued for approval	ND	HW	ND	HW	1:1000 / 1:2000

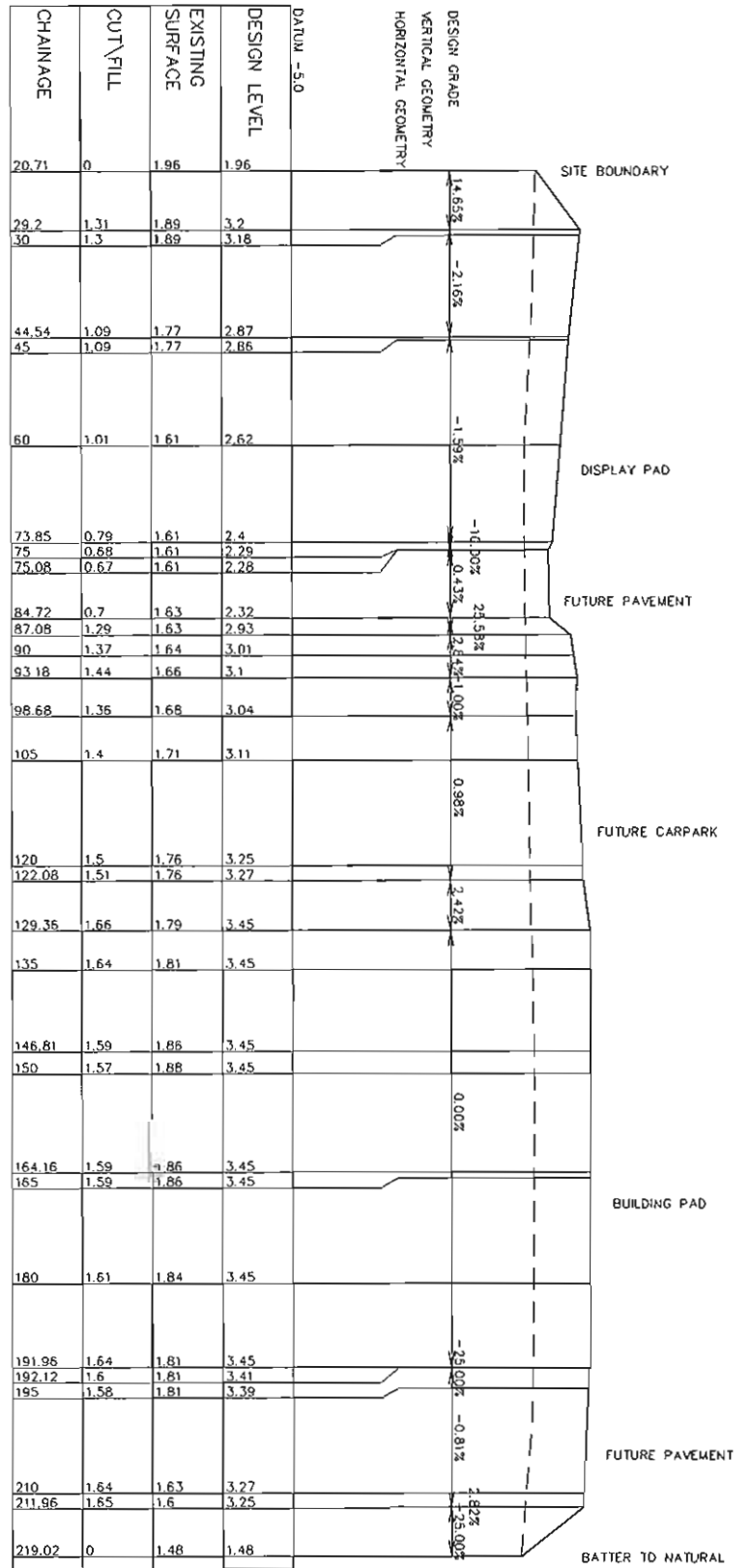
PROPERTY DESCRIPTION	CLIENT
Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	WEPL Investments Pty Ltd

PROJECT	PLAN TITLE
STAGE 1A BULK EARTHWORKS	BULK EARTHWORKS PLAN

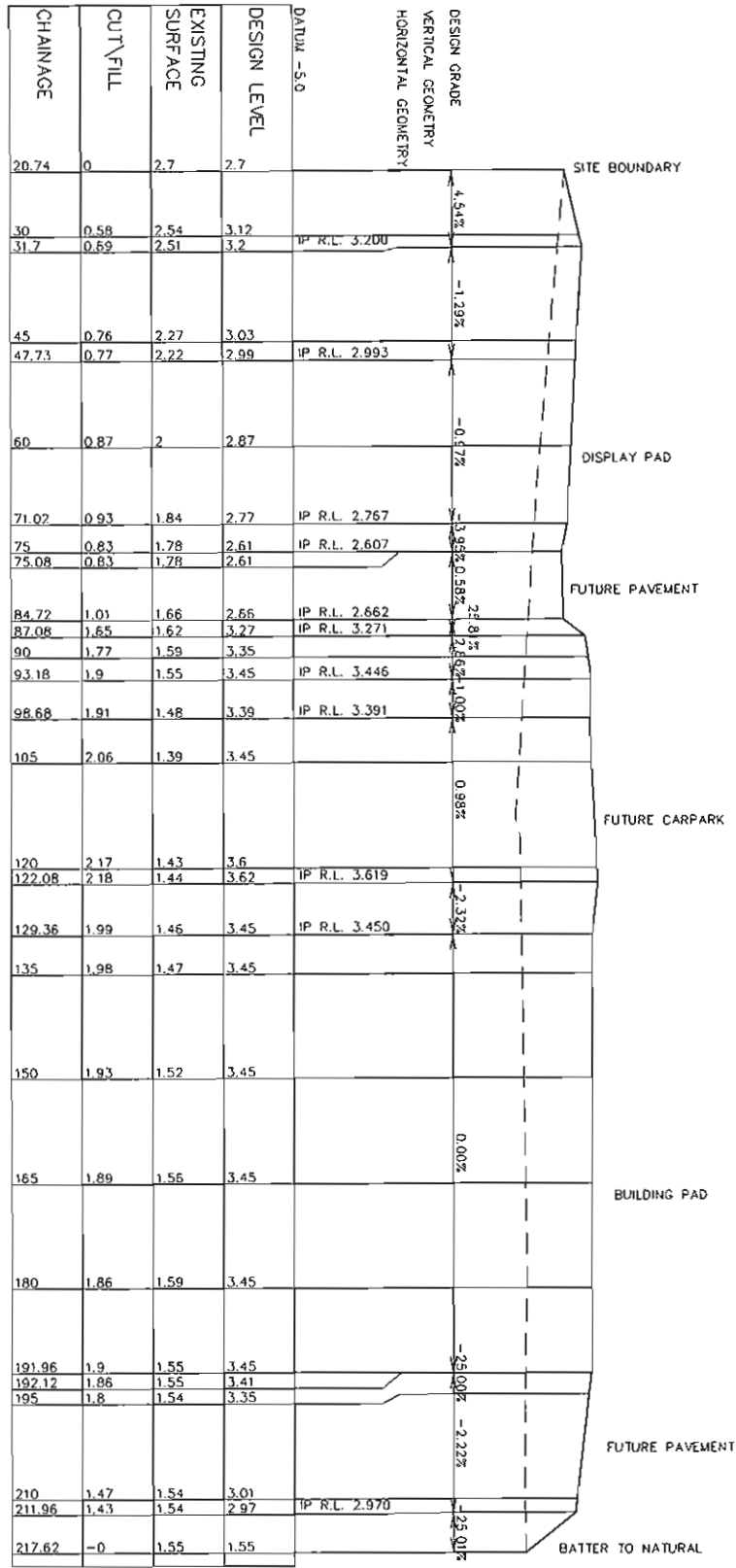
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50050	C	2101	B

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 Plotted By: northan

100mm AT FULL SIZE



LONGITUDINAL SECTION 100 (B)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION 50 (A)
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. 031710 Date 08-02-10
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALE
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B	19/01/2010	Issue for approval					

NO.	HW	NO.	HW

VERT	HORIZ
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1:100/1:200	1:500/1:1000

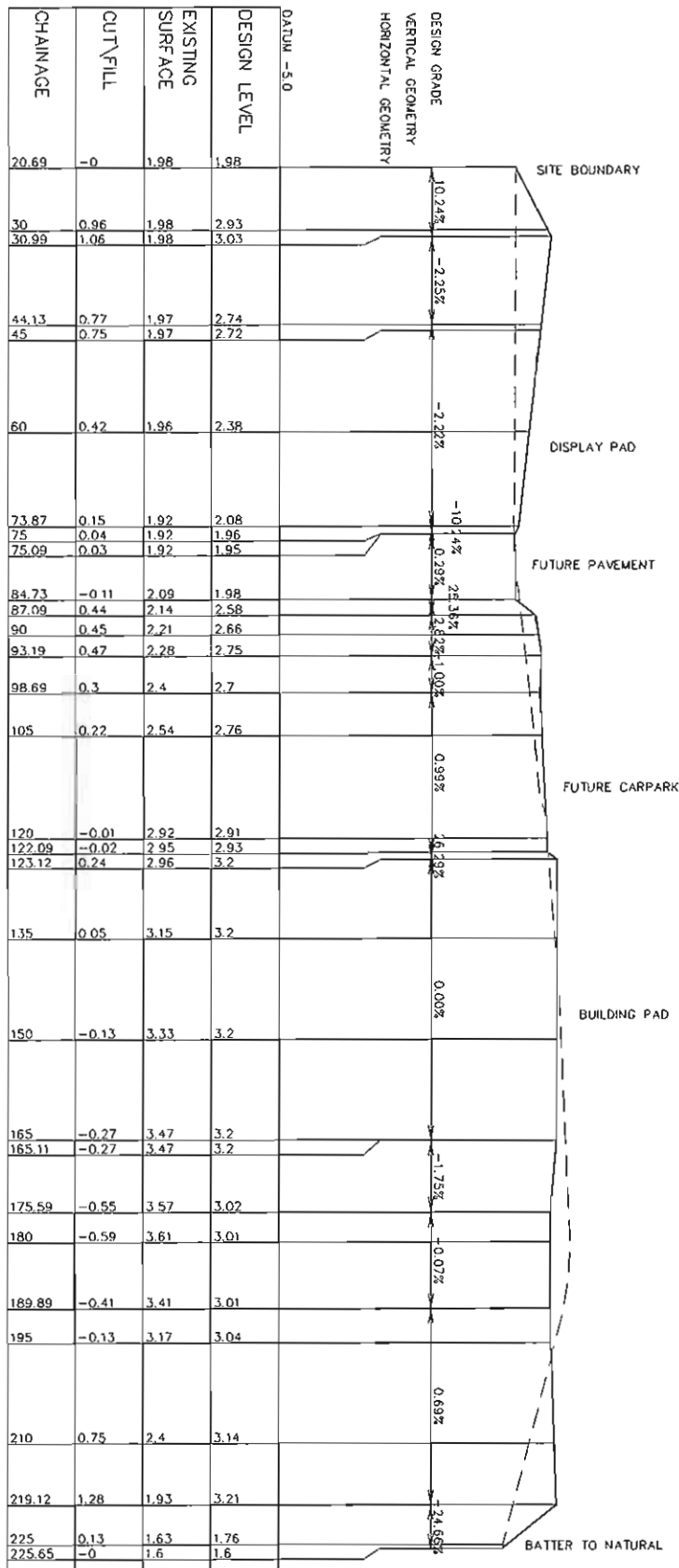
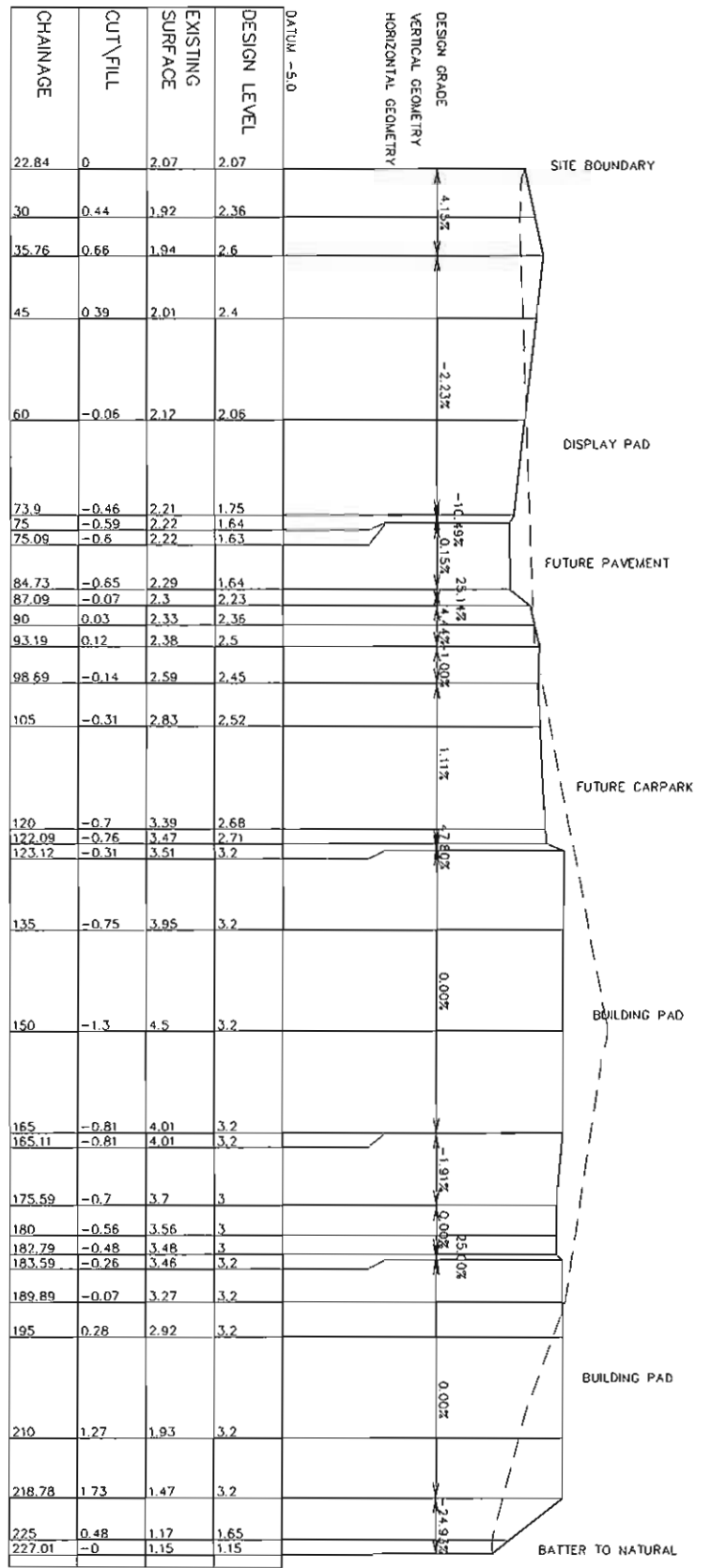
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Stage 1A Bulk Earthworks for Westrac Site Lot 161 DP774440 Tomago Road, Tomago	WEPL Investments Pty Ltd

PROJECT	PLAN TITLE	PROJECT NO.	DISCIPLINE	NUMBER	REV.
STAGE 1A BULK EARTHWORKS	BULK EARTHWORKS SECTIONS A AND B	50050	C	2102	B

Johnson
 Central Coast
 2 Bounty Close,
 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 62 129 445 396

ALL DIMENSIONS ARE IN METRES DO NOT SCALE
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100mm AT FULL SIZE



LEGEND
 — BULK EARTHWORKS SURFACE
 - - - NATURAL SURFACE

CONSTRUCTION ISSUE

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

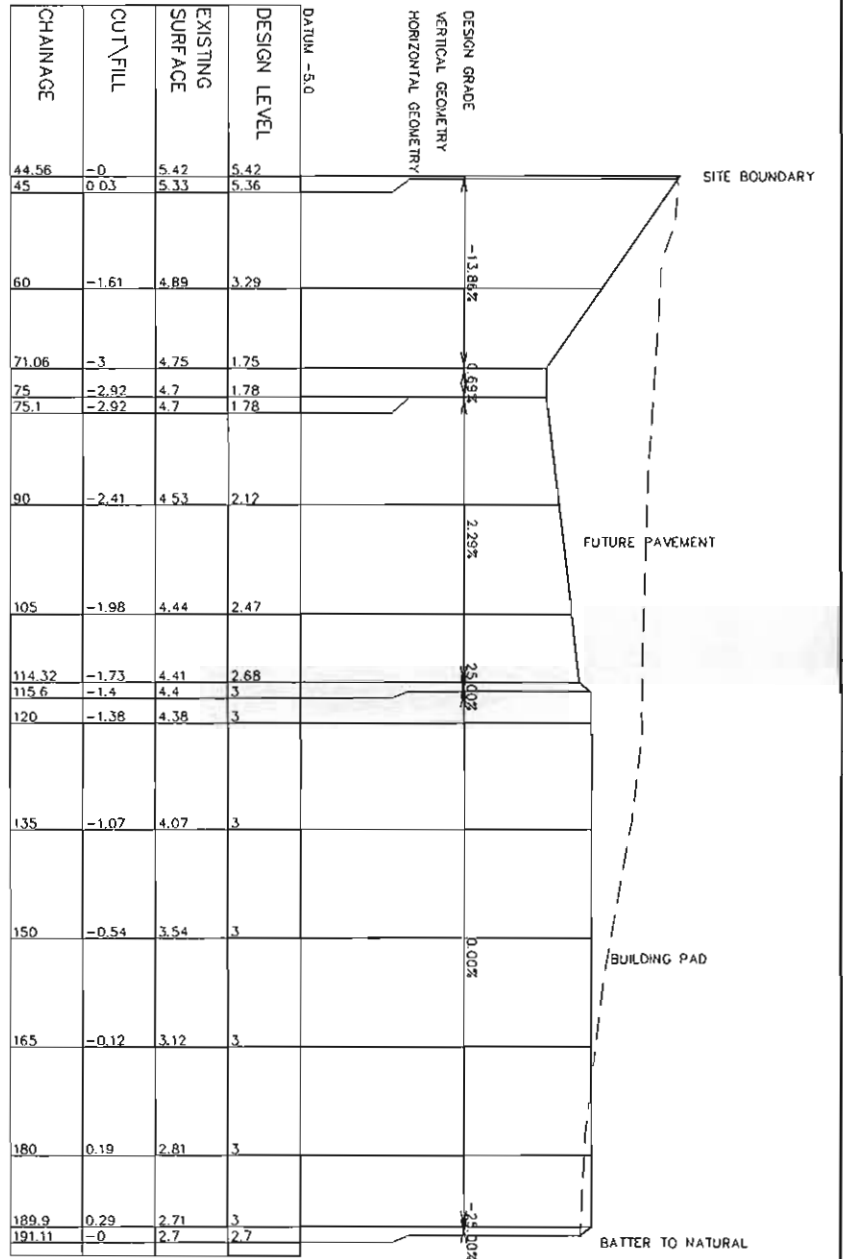
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4	19/01/2010	Issued for approval								BULK EARTHWORKS SECTIONS C AND D

ALL DIMENSIONS ARE IN METRES DO NOT SCALE
 Plotted By: nathand Plot Date: 20/01/10 - 11:15
 Cod File: S:\50050\DRAWINGS\Eng\BulkEarth\C2103[B].dwg

Central Coast
 2 Bounty Close,
 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
 ABRN 62 129 443 398

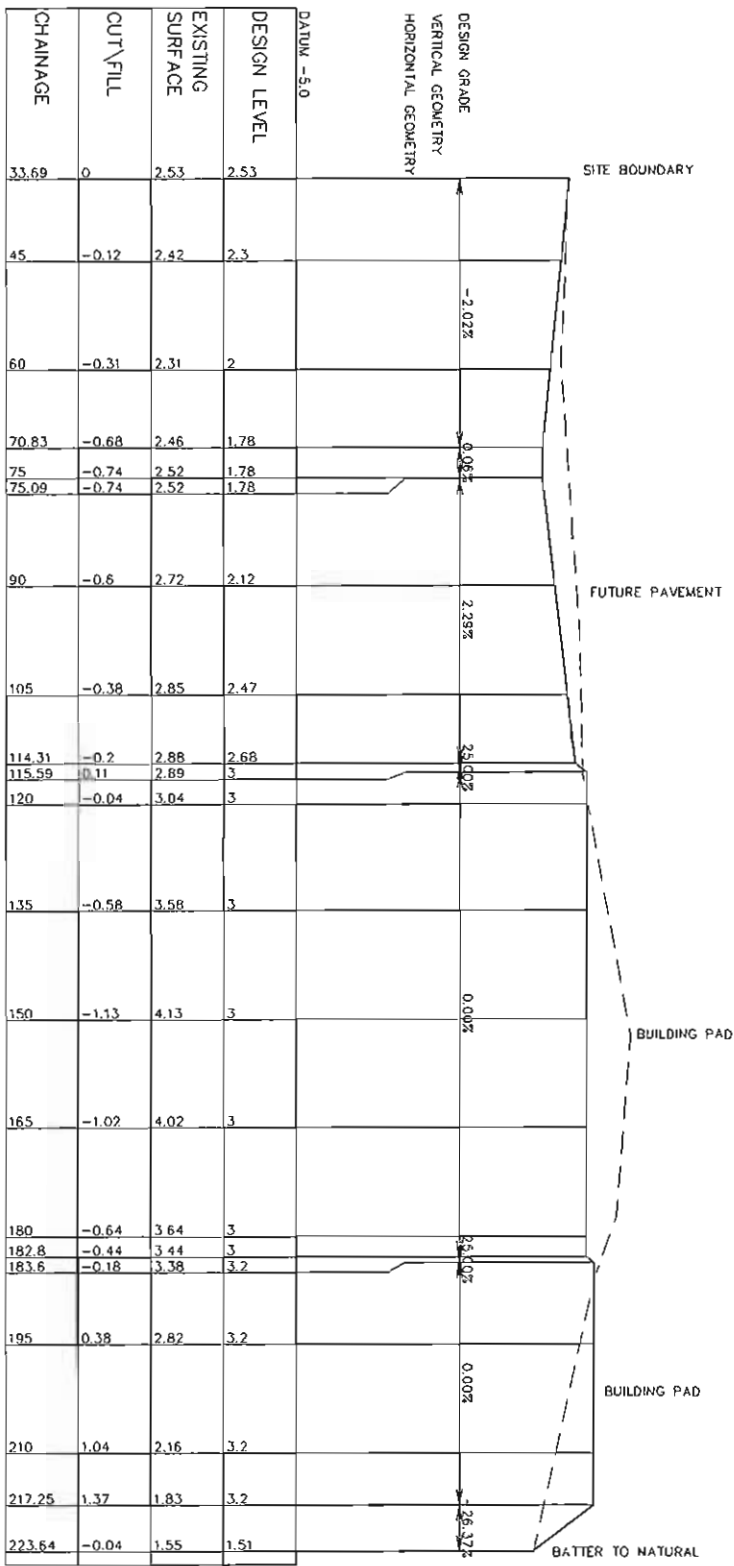
PROPERTY SURVEYED ADMM DATUM A.H.D.

PROJECT NO. 50050 DISCIPLINE C NUMBER 2103 REV. B



LONGITUDINAL SECTION 300 (F)

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION 250 (E)

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 08-02-10
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

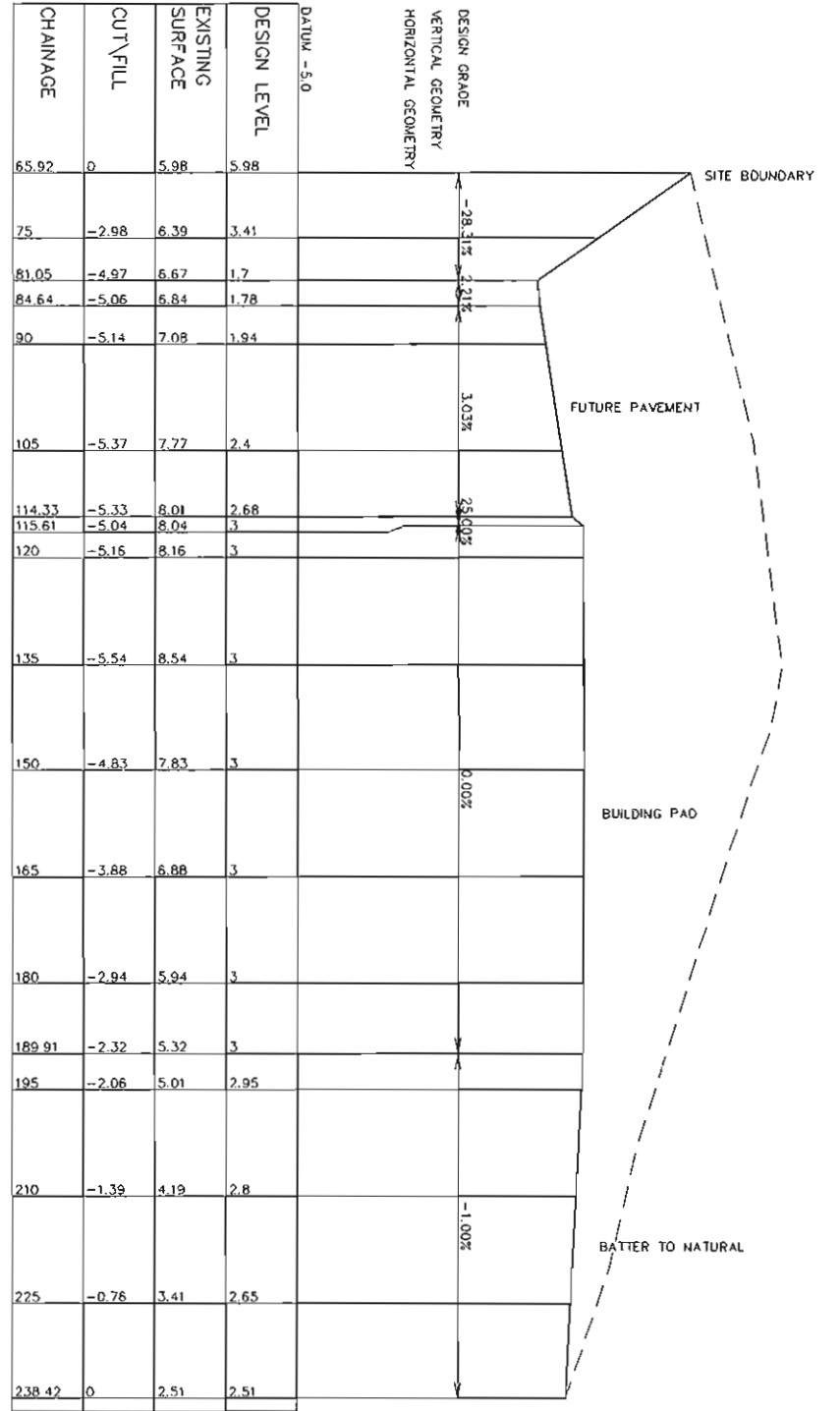
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B	19/01/2010	Issued for approval							BULK EARTHWORKS SECTIONS E AND F

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 DO NOT SCALE
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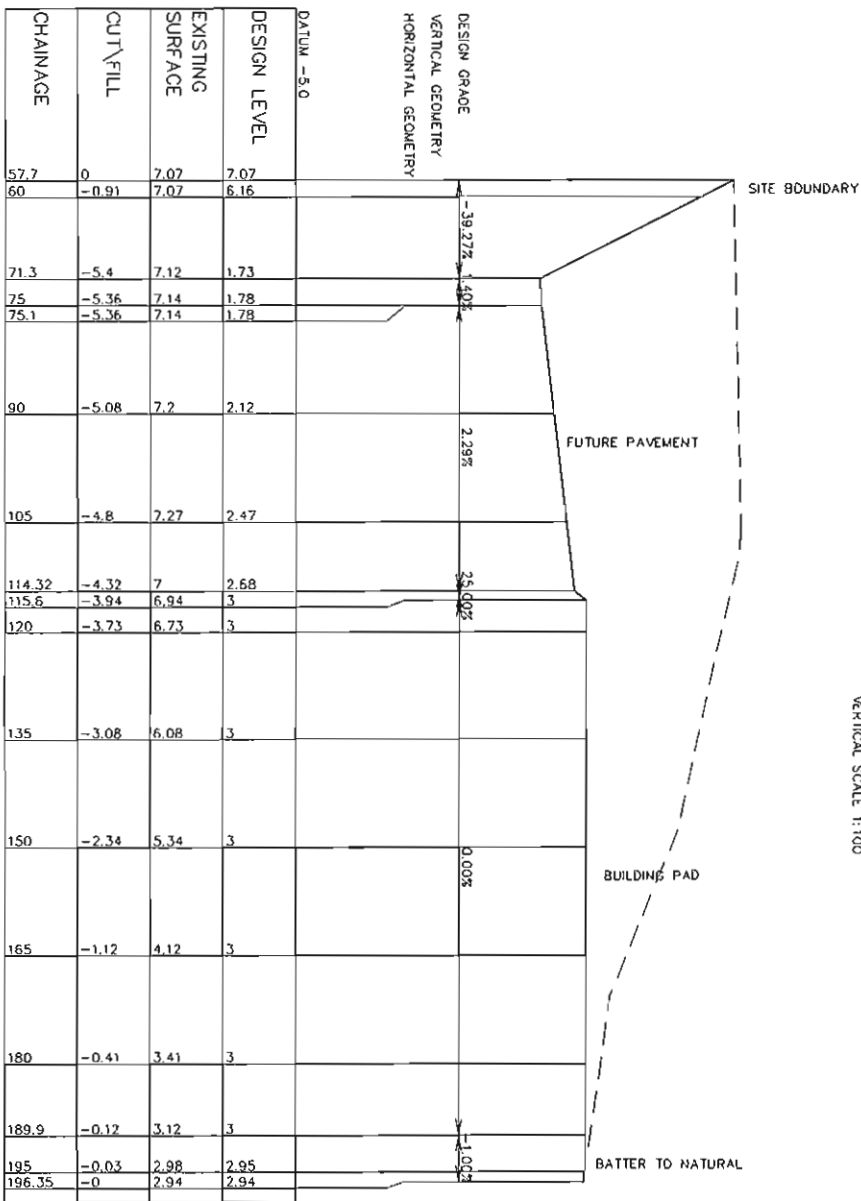
Central Coast
 2 Bounty Close
 P.O. Box 3717
 Tuggeroh N.S.W. 2259
 Phone: (02) 4305 4300
 Fax: (02) 4305 4399
 email: info@johnson.com.au
 www.dwg@johnson.com.au
 ABRN 62 129 445 398

PROJECT NO: 50050
 DISCIPLINE: C
 NUMBER: 2104
 REV: B

100mm AT FULL SIZE



LONGITUDINAL SECTION 400 (H)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION 350 (G)
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 08-02-10
DIX GARDNER PTY LTD

CONSTRUCTION ISSUE

REV	DATE	AMENDMENT	DRAWN	CHECK	DESIGN	VERIFY	SCALES
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B	19/01/2010	Based for approval					HORIZ A1 / A3 1:500 / 1:1000

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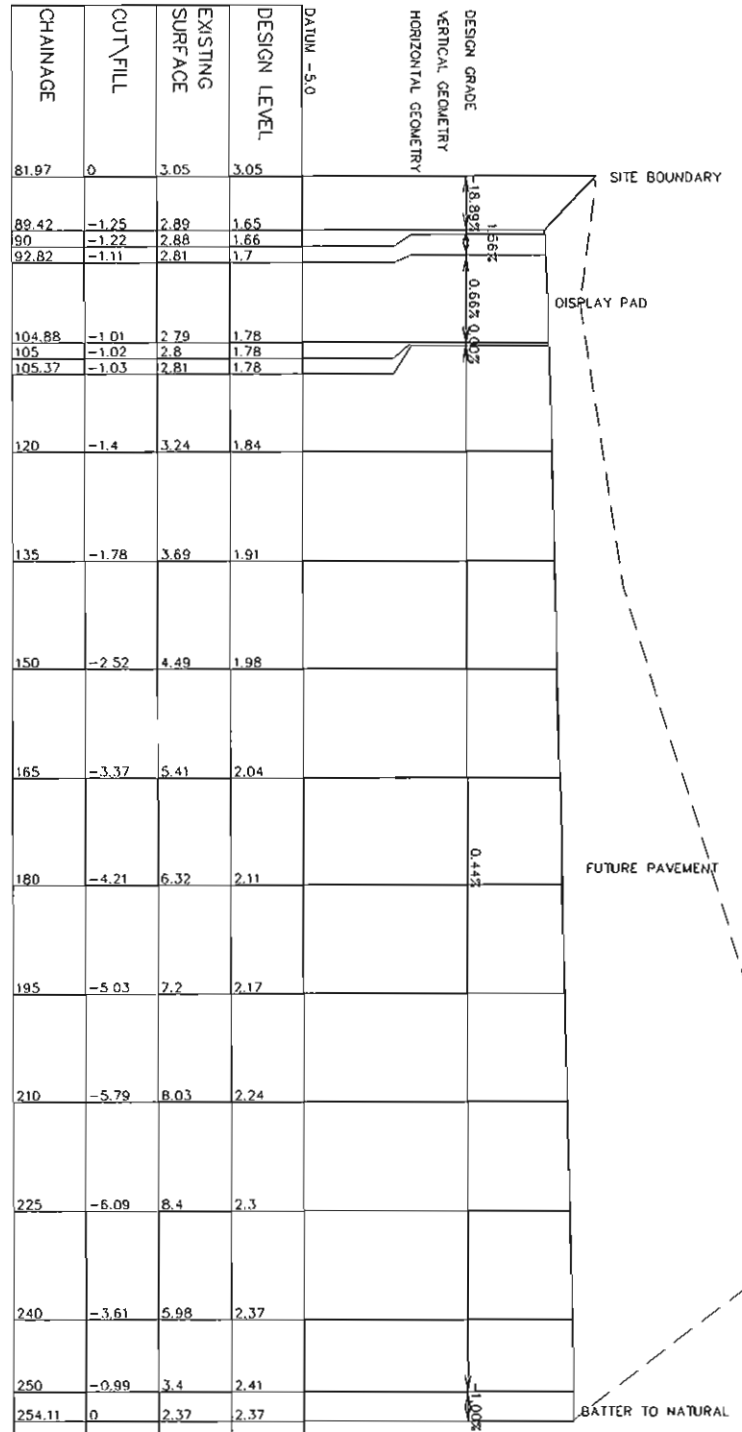
Central Coast
 2 Baurly Close,
 P.O. Box 3717,
 Tongeren N.S.W. 2256
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 Fax: (02) 4305 4399
 email: cost@johnson.com.au
 www.oxyjohnson.com.au
 ABRN 62 129 445 388

WEPL Investments Pty Ltd

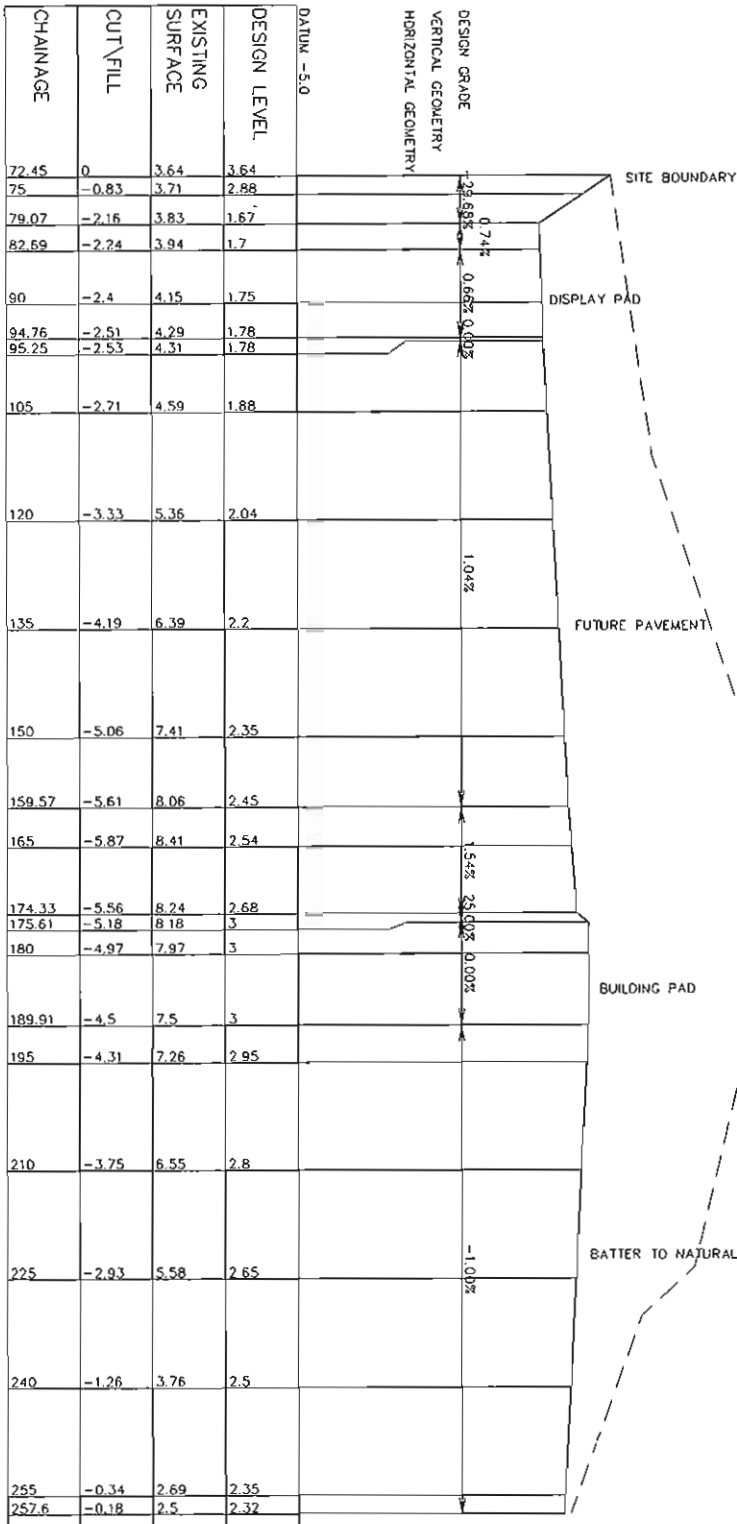
PROPERTY DESCRIPTION
 Stage 1A Bulk Earthworks for
 Westrac Site
 Lot 161 DP774440
 Tomago Road, Tomago

PROJECT	PLAN TITLE	PROJECT NO.	DISCIPLINE	NUMBER	REV.
STAGE 1A BULK EARTHWORKS	BULK EARTHWORKS SECTIONS G AND H	50050	C	2105	B

100mm AT FULL SIZE



LONGITUDINAL SECTION 500 (J)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION 450 (I)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

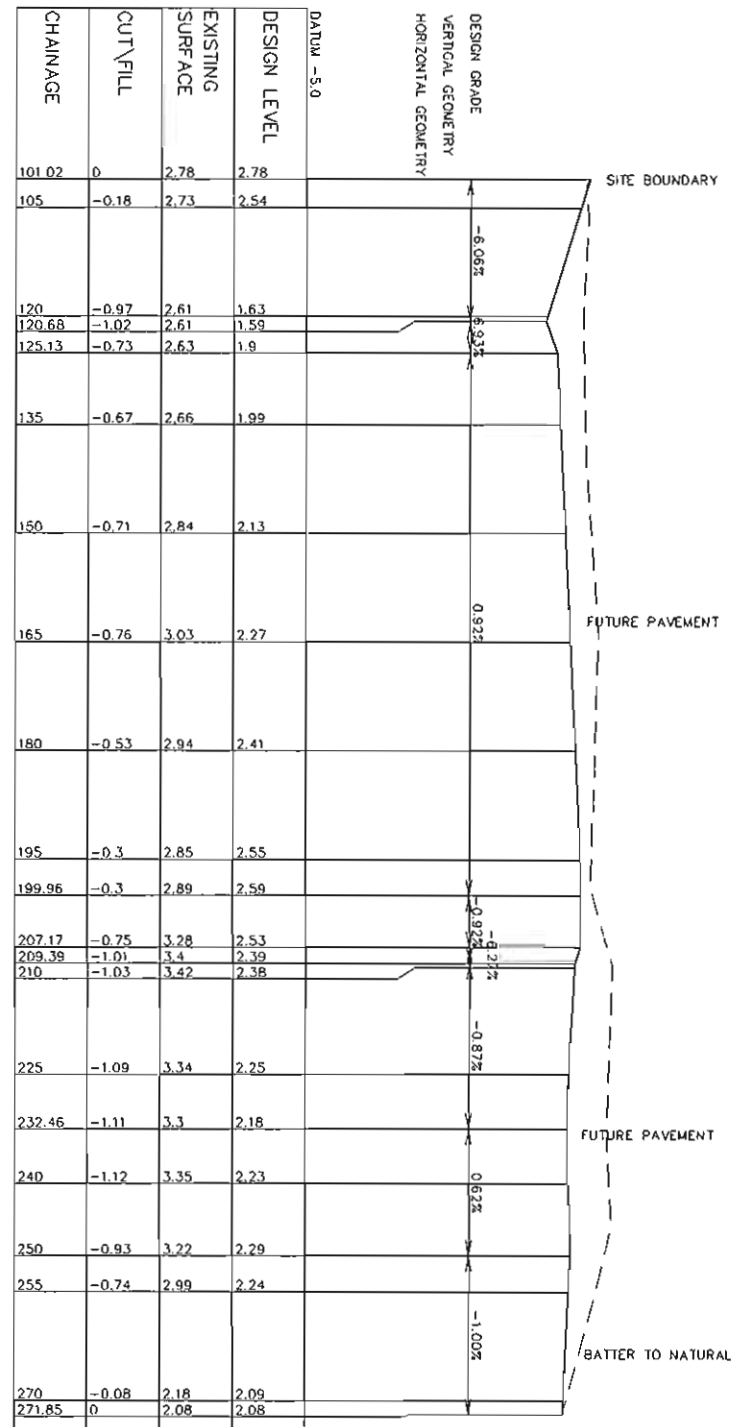
LEGEND
 — BULK EARTHWORKS SURFACE
 - - - NATURAL SURFACE

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

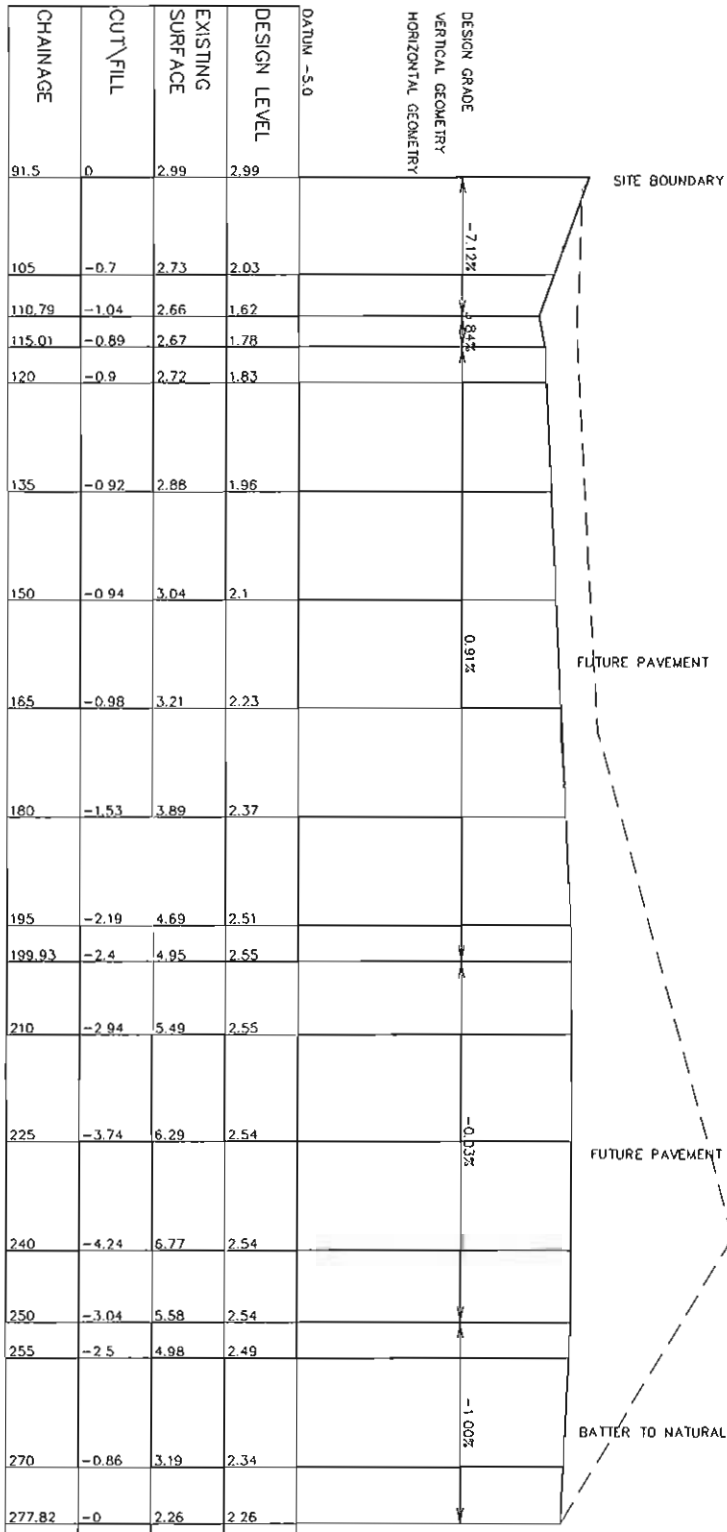
CONSTRUCTION ISSUE

REV.	DATE	AMENDMENT	DRAWN	CHECKED	DESIGN	VERIFY	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT	PLANNING	DISCIPLINE	NUMBER	REV.
A	18/12/2009	Issue for approval					VERT 0 HORIZ 1:1000	Central Coast 2 Bounty Close, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone (02) 4305 4300 Fax (02) 4305 4399 email: centralcoast@johnson.com.au www.centralcoastjohnson.com.au ABN 62 129 445 358	Stage 1A Bulk Earthworks for WestTrac Site Lot 161 DP774440 Tomago Road, Tomago	STAGE 1A BULK EARTHWORKS	BULK EARTHWORKS SECTIONS I AND J	C	2106	B
B	19/01/2010	Issue for approval					VERT 0 HORIZ 1:1000	WEPL Investments Pty Ltd		50050				

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LONGITUDINAL SECTION 600 (L)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION 550 (K)
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

LEGEND
 — BULK EARTHWORKS SURFACE
 - - - NATURAL SURFACE

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	DRAWN	CHECK	DESIGN	VERIFY	SCALES
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2	19/07/2010	Issued for approval	MD	HW	MD	HW	VERT 1:100 / 1:200 HORIZ 1:500 / 1:1000

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

PROJECT	PROJECT NO.	DISCIPLINE	NUMBER	REV.
STAGE 1A BULK EARTHWORKS	50050	C	2107	B

Johnson
 Central Coast
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 P.O. Box 3717
 Tuggerah, N.S.W. 2256
 Phone: (02) 4305 4300
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 email: coast@johnson.com.au
 www.coc@johnson.com.au
 ABR 62 128 445 398