

NO.	DATE	DESCRIPTION	BY	CHECKED	APPROVED
1	19/01/2012	STAGE 15B (2) - BULK EWORKS PLAN	AC	AC	AC
2	19/01/2012	STAGE 15B (2) - BULK EWORKS PLAN	AC	AC	AC
3	19/01/2012	STAGE 15B (2) - BULK EWORKS PLAN	AC	AC	AC
4	19/01/2012	STAGE 15B (2) - BULK EWORKS PLAN	AC	AC	AC
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Cardno
Cardno Pty Ltd
10001 Dandenong Road, Dandenong, VIC 3175
Tel: 03 9594 1000
Fax: 03 9594 1001
Email: info@cardno.com.au

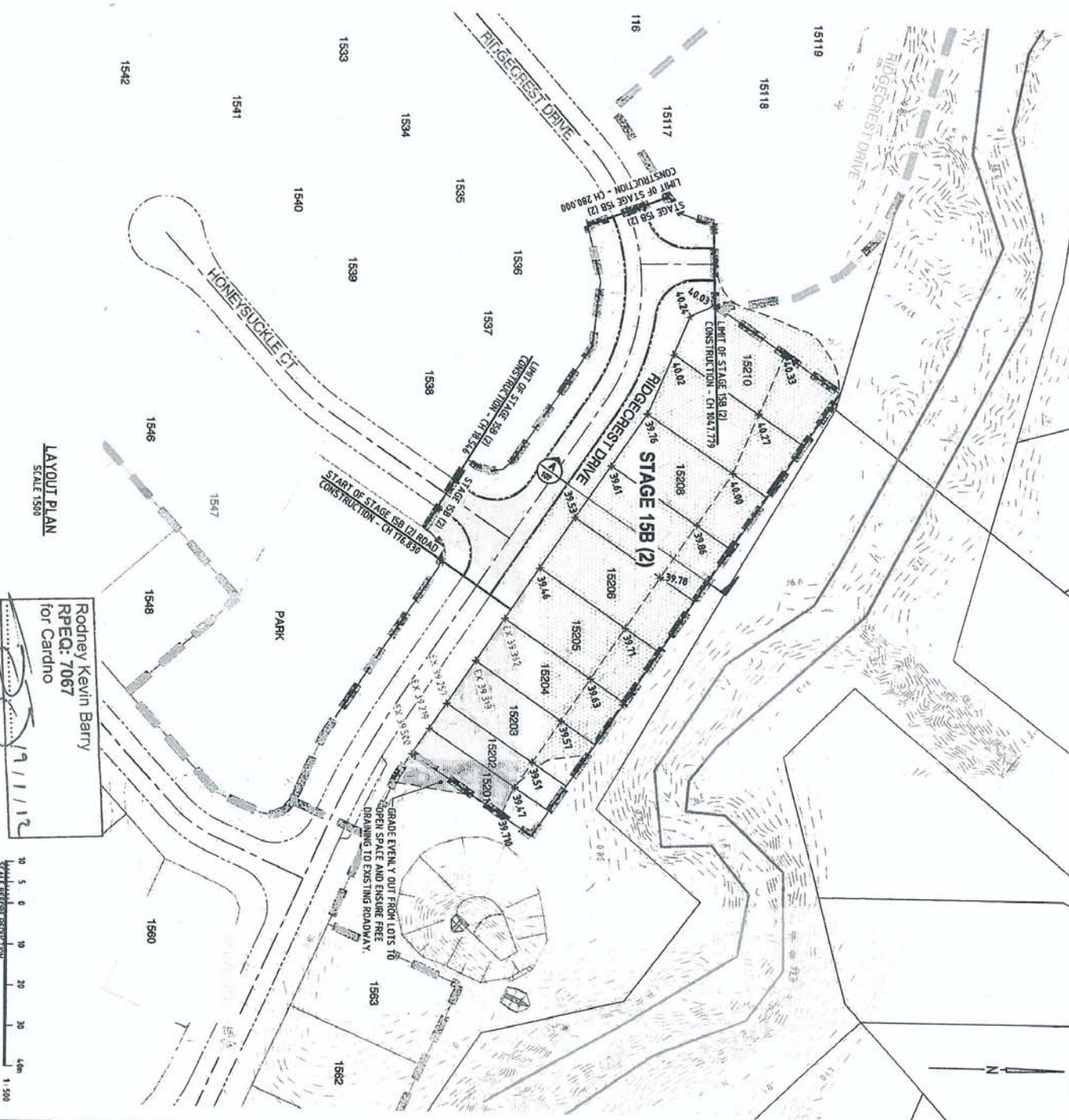
CONTACT	TELEPHONE	FAX
Cardno Pty Ltd	03 9594 1000	03 9594 1001
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MTAA SUPERANNATION FUND (PLASTER CREEK AND SPRING MOUNTAIN PARK) PROPERTY PTY LTD
PLASTER CREEK ESTATE - STAGES 15B (2)
BULK EARTHWORKS LAYOUT PLAN

DATE: 19 JANUARY, 2012
DRAWN BY: [Signature]
7214/58/05-103

PLANS AND DOCUMENTS
referred to in the ULDA
APPROVAL dated / /

- LEGEND**
- STAGE BOUNDARY
 - EXISTING CONTOURS (0.5M)
 - PROPOSED CUT
 - PROPOSED FILL
 - PROPOSED EARTHWORKS LEVELS
 - 0.10% FLOODLINE
 - PROPOSED BATTER

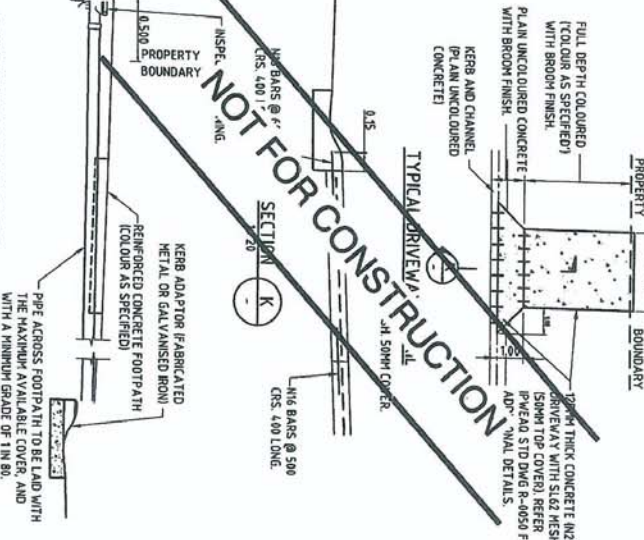


LAYOUT PLAN
SCALE 1:500

Rodney Kevin Barry
RPEQ: 7067
for Cardno

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ROOFWATER ADAPTER DETAIL
A CAPPED 100 DIA UPVC CLASS S180 WITH INSPECTION OPENING TO BE CONNECTED TO ALL KERB ADAPTERS LOCATED ADJACENT TO CONCRETE FOOTPATHS AND ARE TO BE CONSTRUCTED 0.5M INTO THE FRONT PROPERTY BOUNDARY



LEGEND

- STAGE BOUNDARY
- EXISTING SURFACE CONTOURS
- FINISHED SURFACE CONTOURS
- STAMPED AC
- KERB & CHANNEL (IPWEA TYPE M3)
- KERB ONLY (IPWEA TYPE S180)
- PROPOSED STORMWATER DRAINAGE
- PROPOSED GULLY
- KERB ADAPTOR
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN
- PROPOSED ELECTRICAL CONDUIT
- EXISTING STORMWATER DRAINAGE
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING ELECTRICAL
- FUTURE STORMWATER DRAINAGE
- FUTURE ROOFWATER DRAINAGE
- FUTURE SEWER MAIN
- FUTURE WATER MAIN

NOT FOR CONSTRUCTION

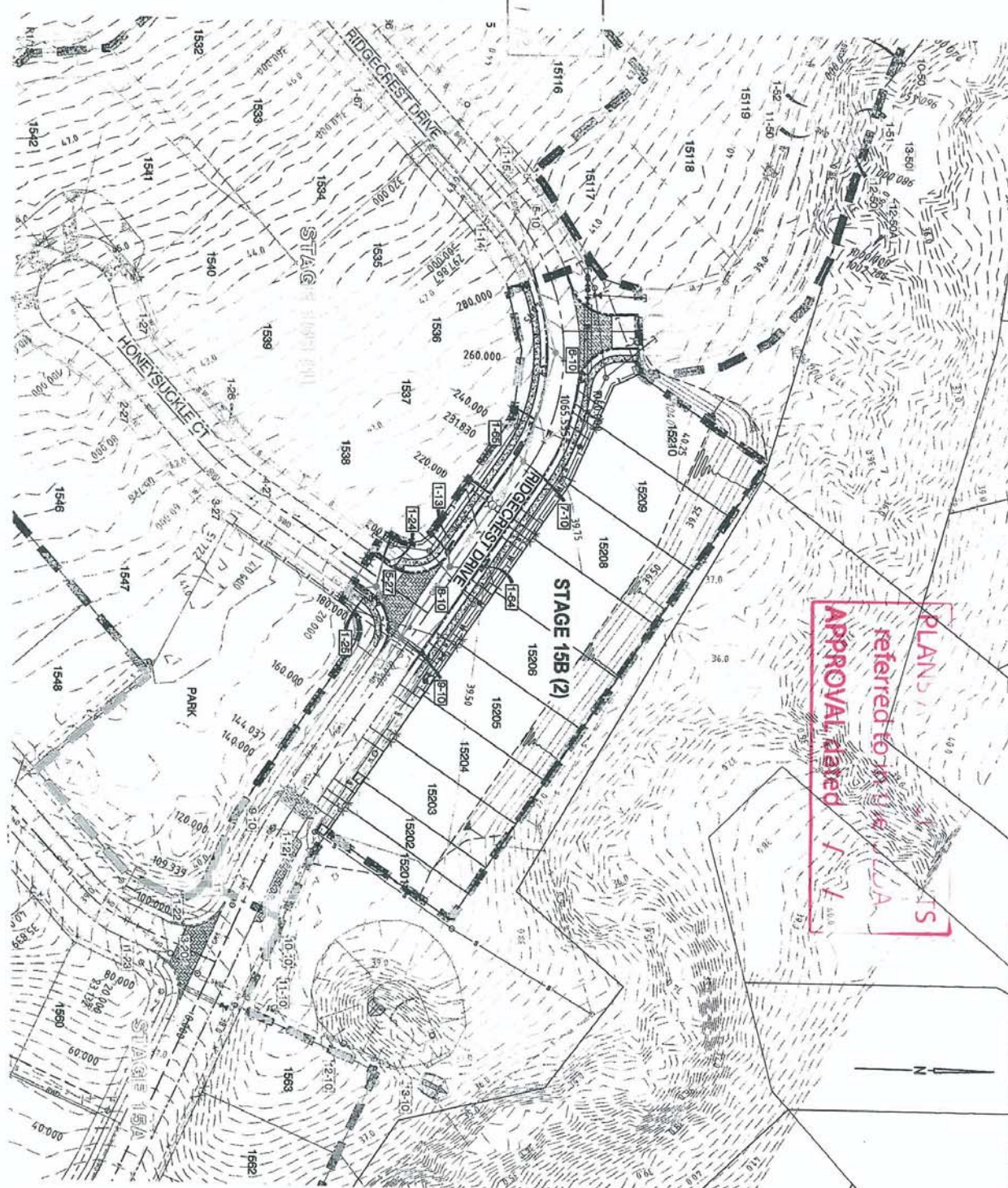
Rodney Kevin Barry
RPEQ: 7067
for Candino

WARNING
BEWARE OF UNDERGROUND SERVICES
THE CONTRACTOR IS TO ACCURATELY LOCATE ALL UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION

PROVIDE 100 DIA UPVC CLASS S180 ROOFWATER CONNECTION OUT OF GULLY FOR LOT 1538

NOTE: EXHIBITS NOT IN CONTRACT
INDICATIVE LOCATIONS SHOWN FOR INFORMATION ONLY

SCALE BEFORE REDUCTION
10 5 0 10 20 30 40m
1:150



PLANS
referred to in the LIA
APPROVAL dated 1/1/12

Candino
Candino (Qld) Pty Ltd ACN 911 074 882
Level 2 Hudson Yard - Edward Street, Brisbane
1/2011 Candino (Qld) Pty Ltd
1/2011 Candino (Qld) Pty Ltd

DATE: DECEMBER, 2011
DRAWN BY: [Signature]
7214/58/05-104

DUST MANAGEMENT NOTES:

1. THE FOLLOWING ON-SITE PRACTICES SHALL BE PUT IN PLACE TO MINIMISE THE MOVEMENT OF DUST OFF-SITE:
 - THE PRE-CLEANING OF LAND WILL BE MINIMISED. NO VEGETATION REMOVAL OR CLEARING WILL OCCUR IN SITUATIONS OF HIGH WIND.
 - ALL STOCKPILES AND RESHAPED AREAS WILL BE REVEGETATED AS QUICKLY AS POSSIBLE.
 - STOCKPILING ON-SITE WILL BE MINIMISED WHERE POSSIBLE.
 - A WATER CART WILL BE AVAILABLE AT ALL TIMES.
 - MAINTENANCE OF VEGETATED BUFFERS AND/OR THE IMPLEMENTATION OF BARRIERS, PARTICULARLY AROUND STOCKPILE AREAS.
 - REGULAR USE OF SHADOWNOW AREAS FOR HAIL TRUCKS ON HAIL ROUTES.
 - USE OF SHADOWNOW AREAS FOR HAIL TRUCKS LEAVING THE SITE.
 - STABILISATION AND REVEGETATION OF FILL AREAS.
2. VISUAL MONITORING IS TO BE UNDERTAKEN THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR IS TO ENSURE ANY DUST PRODUCTION IS KEPT TO A MINIMUM AND ACTION TAKEN ON ANY COMPLAINTS RECEIVED.
3. THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF SITE CONDITIONS AND THE DUST MANAGEMENT MEASURES IMPLEMENTED. COMPLAINTS BY RESIDENTS ARE TO BE RECORDED IN A COMPLAINTS REGISTER.
4. DEPENDING ON THE SOURCE OF THE DUST THE FOLLOWING MEASURES WILL BE IMPLEMENTED:
 - APPLY WATER SPRAYS TO VEGETATION.
 - DAMPEN EXPOSED AREAS.
 - ENSURE ALL LOADED TRUCKS ARE COVERED.
 - INCREASE NUMBER OF WATER TRUCKS IN OPERATION.
 - CEASE OPERATIONS DURING PERIODS OF EXTREME WINDS.

FOR TYPICAL DETAILS OF TEMPORARY SEDIMENT FENCE, STABILISED SITE ENTRY/EXIT POINT AND GULLY PIT INLET PROTECTION REFER PWEA STD DWG No. 3-D-0040 AND D-0041

GENERAL SEDIMENT MANAGEMENT NOTES:

1. THE EROSION AND SEDIMENT CONTROL WILL COMPLY WITH:
 - THE INSTITUTE OF ENGINEERS AUSTRALIA'S EROSION AND SEDIMENT CONTROL ENGINEERING GUIDELINES FOR QUEENSLAND AND CONSTRUCTION SITES - JUNE 1996.
2. EXISTING GRASSED AREAS CLEAR OF EARTHWORKS TO BE MAINTAINED DURING CONSTRUCTION.
3. PROVIDE SAND BAGS CONTROL DEVICES 300mm MAXIMUM DOWNSTREAM OF STORMWATER DRAINAGE OUTLET.
4. ADDITIONAL CONTROL DEVICES SHALL BE PLACED WHERE DIRECTED BY THE SUPERVISOR. ALTERNATIVE DESIGNS TO BE APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
5. NO NET LOSS OF SEDIMENT SHOULD OCCUR FROM THE WORK SITE. THE WILL NECESSITATE THE USE OF APPROPRIATE EROSION AND SEDIMENT CONTROLS. THESE SHOULD BE IMPLEMENTED AT THE SITE ESTABLISHMENT PHASE AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. CARE SHOULD BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES AND/OR SALT TRAPS AROUND GULLIES.
7. CONSTRUCTION OF ALL SEDIMENT MANAGEMENT DEVICES, TO THE APPROVAL OF COUNCIL'S SUBDIVISION ENGINEER, SHALL BE COMPLETED AND EFFECTIVE PRIOR TO:
 - A) STRIPPING OF TOP-SOIL AND GRASS.
 - B) BULK EARTHWORKS TO THE SITE.
 - C) SERVICES INSTALLATION.
 - D) ROAD PAVEMENT CONSTRUCTION.
8. ALL SEDIMENT MANAGEMENT MEASURES ARE TO REMAIN IN PLACE UNTIL INSTRUCTION IS RECEIVED IN WRITING FROM THE ENGINEER TO REMOVE ALL/PART OF THE SILT CONTROL APPLICATIONS.
9. SEDIMENT AND EROSION MEASURES ARE TO BE UTILISED IN ACCORDANCE WITH DETAILS SHOWN ON PWEA STD DWGS D-0040 AND D-0041.
10. ANY DIRT MATERIALS SPILT OR TRACKED ONTO COUNCIL ROADS IS TO BE BROOMED UP AND COLLECTED - NOT WASHED INTO STORMWATER DRAINS.
11. TOPSOIL STOCKPILES ARE TO BE MULCHED OR TEMPORARILY VEGETATED IF THEY ARE TO REMAIN FOR MORE THAN 30 DAYS.

LEGEND

- STAGE BOUNDARY
- SEDIMENT FENCE
- REFER PWEA STD DWG D-0040
- EXISTING CONTROLS
- DIVERSION DRAIN
- VEHICLE SHADOWNOW AREA
- REFER PWEA STD DWG D-0040
- CHECK DAM
- PROPOSED CUT
- PROPOSED FILL

PHASE 1

1. WHERE NATURAL AND CONSTRUCTED EARTHWORKS DISCHARGE TOWARDS EXISTING PROPERTIES THE CONTRACTOR SHALL INSTALL SILT FENCES PRIOR TO COMMENCEMENT OF WORKS. MAINTAIN THE DEVICES OR USE TEMPORARY BUND TO DIVERT FLOW THROUGHOUT THE CONSTRUCTION PHASE.
2. A MAXIMUM WIDTH OF 4.0 METRES IS TO BE CLEARED TO ALLOW FOR THE CONSTRUCTION OF BUNDS/CATCHMENTS AND SEDIMENT CONTROL DEVICES.

