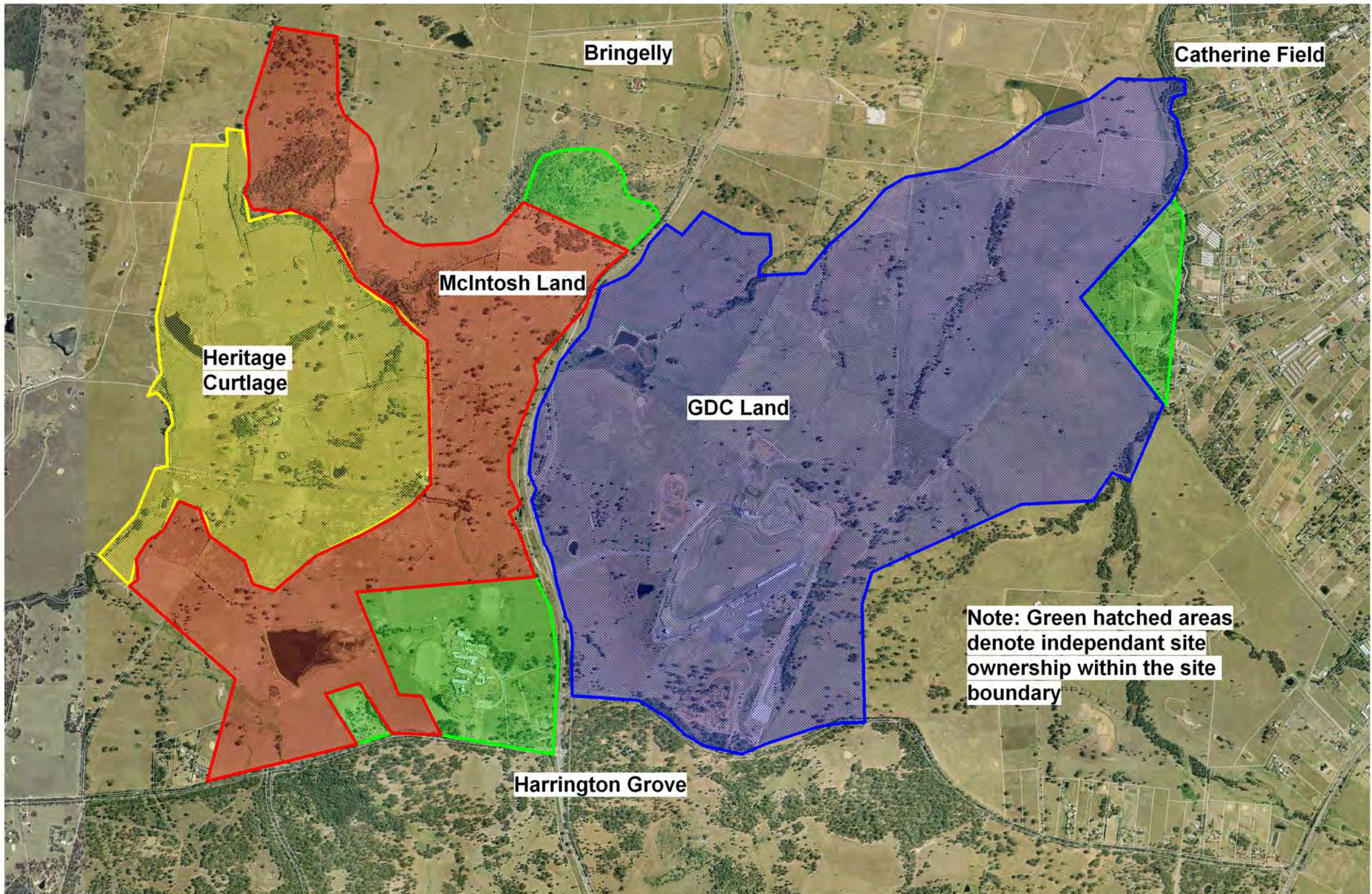


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***APPENDIX A***

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***Drawings***



**Douglas Partners**  
Geotechnics . Environment . Groundwater

Sydney, Newcastle, Brisbane,  
Melbourne, Perth, Darwin,  
Wyang, Campbelltown, Canberra  
Townsville, Cairns, Wollongong

TITLE: **SITE LAYOUT  
LAND CAPABILITY STUDY  
ORAN PARK PRECINCT  
ORAN PARK AND COBBITTY**

CLIENT: GROWTH CENTRES COMMISSION

DRAWN BY: CCK

SCALE: 1:20,000

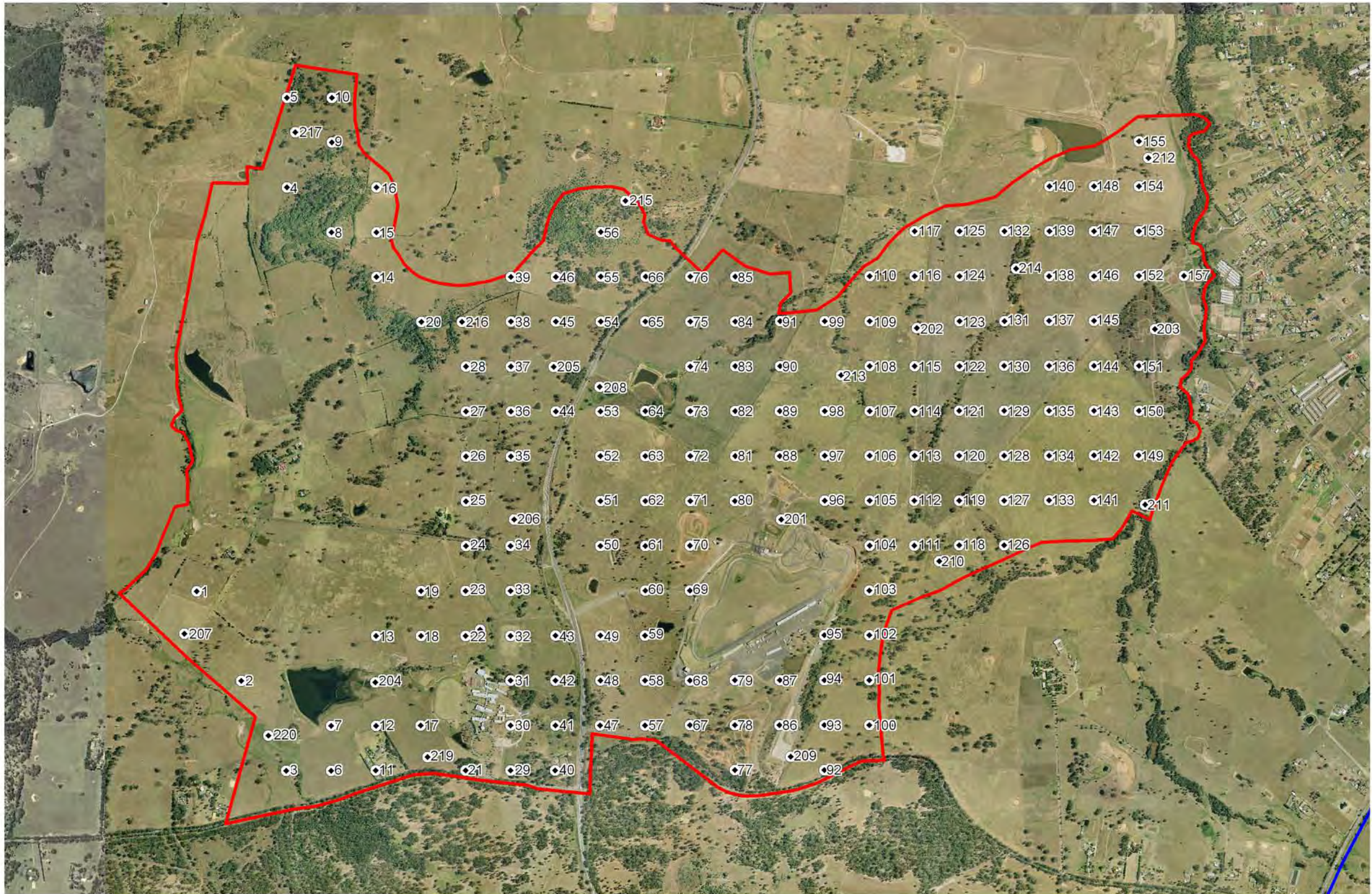
PROJECT No: 40470

OFFICE: WOLLONGONG

APPROVED BY:

DATE: 28 FEBRUARY 2007

DRAWING No: **1**



**Douglas Partners**  
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Sydney, Newcastle, Brisbane,  
Melbourne, Perth, Darwin,  
Wyang, Campbelltown, Canberra  
Townsville, Cairns, Wollongong

TITLE: **TEST PIT LOCATIONS  
LAND CAPABILITY STUDY  
ORAN PARK PRECINCT  
ORAN PARK AND COBBITTY**

CLIENT: GROWTH CENTRES COMMISSION

DRAWN BY: CCK

SCALE: 1:20,000

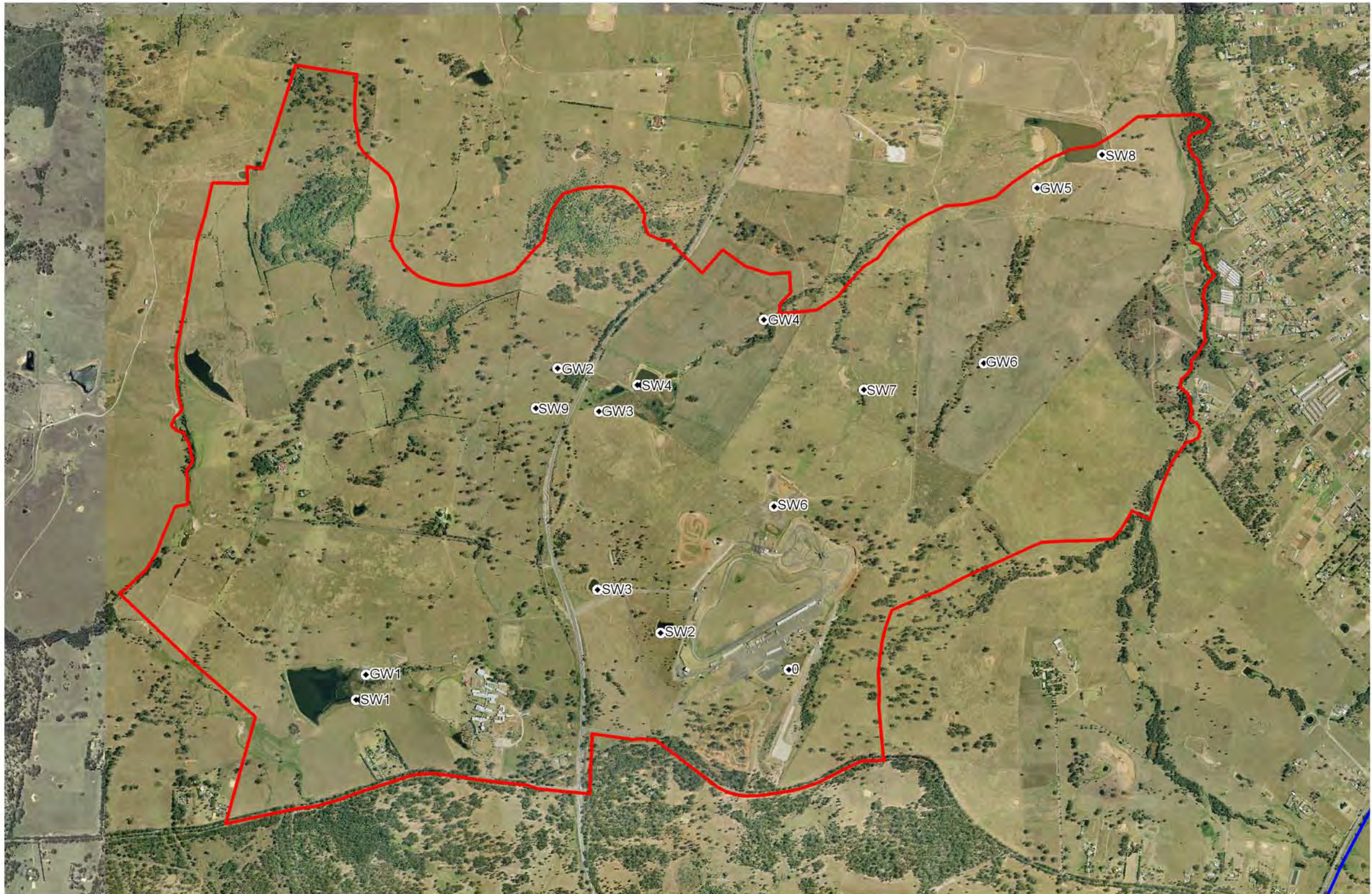
PROJECT No: 40470

OFFICE: WOLLONGONG

APPROVED BY:

DATE: 28 FEBRUARY 2007

DRAWING No: **2**



**Douglas Partners**  
 Geotechnics . Environment . Groundwater

Sydney, Newcastle, Brisbane,  
 Melbourne, Perth, Darwin,  
 Woyang, Campbelltown, Canberra  
 Townsville, Cairns, Wollongong

TITLE: **Groundwater and Surface Water Locations  
 LAND CAPABILITY STUDY  
 ORAN PARK PRECINCT  
 ORAN PARK AND COBBITTY**

CLIENT: GROWTH CENTRES COMMISSION

DRAWN BY: CCK

SCALE: 1:20,000

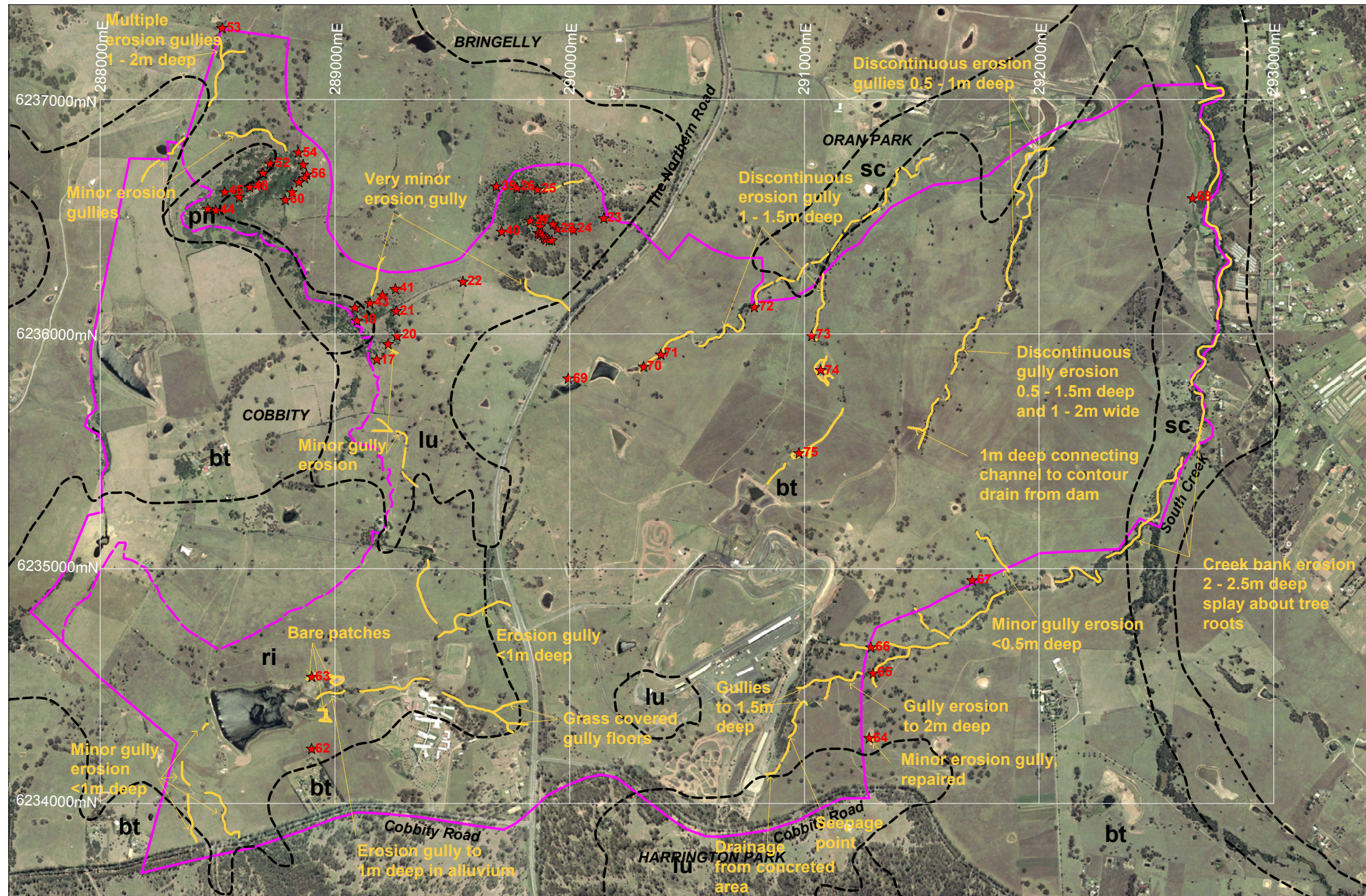
PROJECT No: 40470

OFFICE: WOLLONGONG

APPROVED BY:

DATE: 28 FEBRUARY 2007

DRAWING No: **3**



**LEGEND**

6237000 mN GDA94/MGA94 Grid (Zone 56)

- ★ Mapping Reference Point
- Precinct Boundary
- Erosion Gullies
- - - Soil Landscapes Boundaries
- bt Blacktown Soil Landscape
- lu Luddenham Soil Landscape
- pn Picton Soil Landscape
- sc South Creek Soil Landscape
- ri Richmond Soil Landscape



**Douglas Partners**  
Geotechnics . Environment . Groundwater

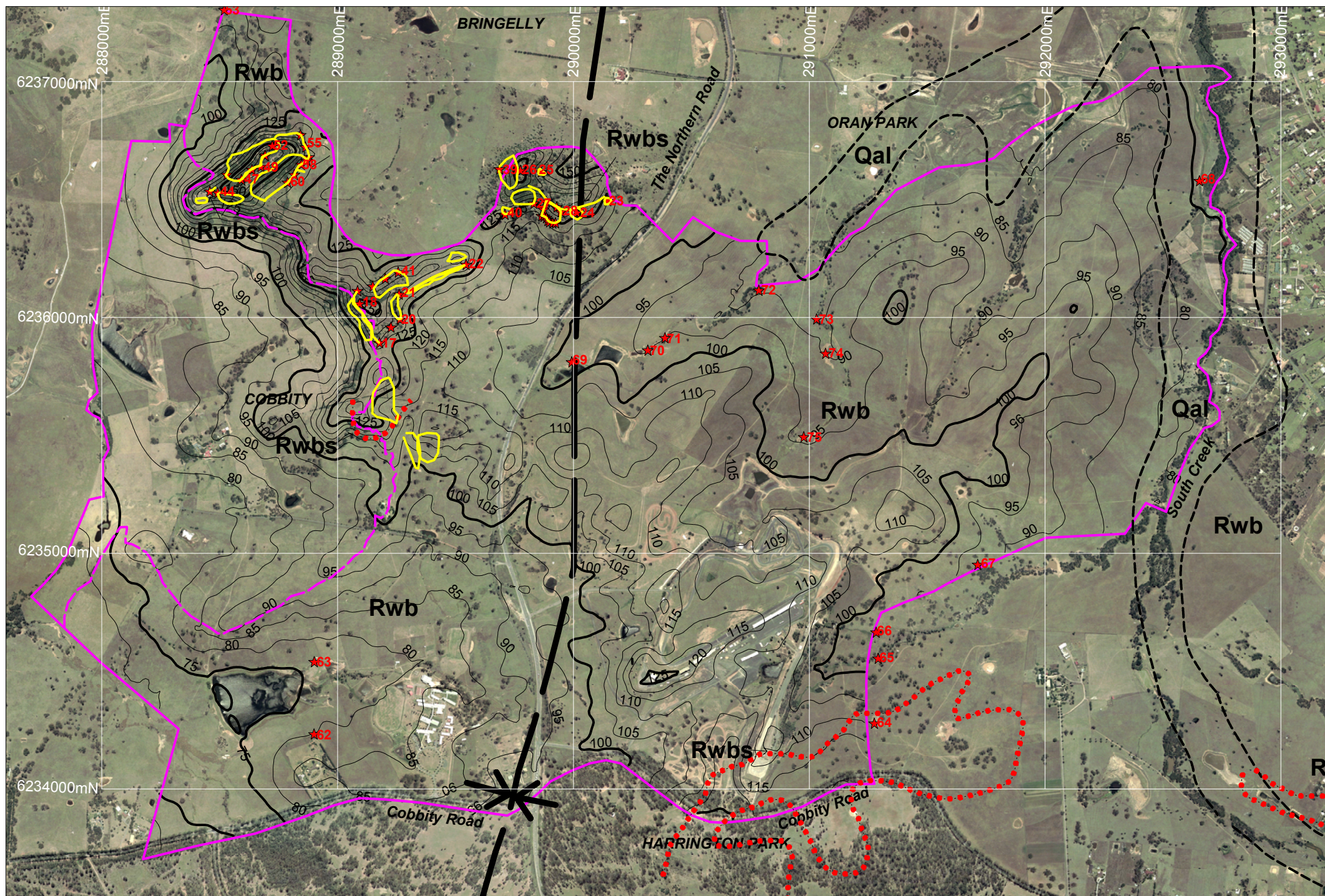
Sydney, Newcastle, Brisbane,  
Melbourne, Perth, Darwin,  
Wyong, Campbelltown, Canberra  
Townsville, Cairns, Wollongong

TITLE: **EROSION FEATURES AND SOIL LANDSCAPES  
LAND CAPABILITY STUDY  
ORAN PARK PRECINCT  
ORAN PARK AND COBBITTY**

CLIENT: APP CORPORATION PTY LTD

DRAWN BY: ALT SCALE: 1:20,000 @ A3 PROJECT No: 40740 OFFICE: SYDNEY

APPROVED BY: DATE: JANUARY 2007 DRAWING No: **4**



**LEGEND**

- 6237000 mN GDA94/MGA94 Grid (Zone 56)
- ★ Mapping Reference Point
- Homestead Boundary
- Precinct Boundary
- Stability Issues
- Geological Boundaries
- Qal Fluvial sand, silt, clay
- Rwb Bringelly Shale - shale, carbonaceous claystone, laminites
- ..... Unnamed Sandstone Member (Rwbs)
- Syncline Axis
- 75 Contour of surface level (m AHD)



**Douglas Partners**  
Geotechnics . Environment . Groundwater

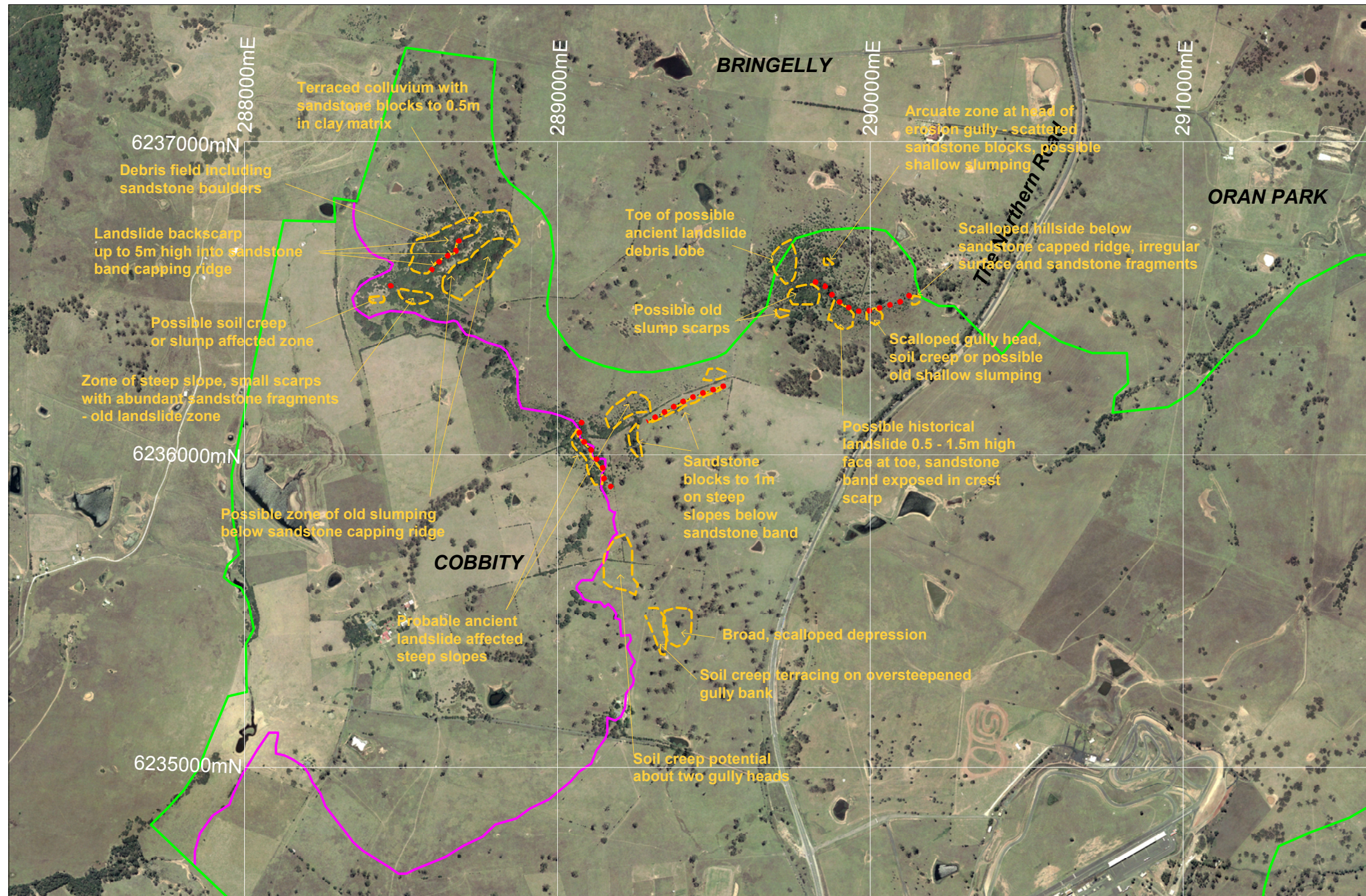
Sydney, Newcastle, Brisbane,  
Melbourne, Perth, Darwin,  
Wyong, Campbelltown, Canberra  
Townsville, Cairns, Wollongong

TITLE: **SLOPE STABILITY AND GEOLOGY  
LAND CAPABILITY STUDY  
ORAN PARK PRECINCT  
ORAN PARK AND COBBITY**

CLIENT: APP CORPORATION PTY LTD


DRAWN BY: ALT SCALE: 1:20,000 @ A3 PROJECT No: 40740 OFFICE: SYDNEY

APPROVED BY: DATE: JANUARY 2007 DRAWING No: **5**



**LEGEND**  
6237000 mN GDA94/MGA94 Grid (Zone 56)

- Homestead Boundary
- Precinct Boundary
- - - Stability Issues
- Unnamed Sandstone Member (Rwbs)

 <b>Douglas Partners</b> <i>Geotechnics . Environment . Groundwater</i>		Sydney, Newcastle, Brisbane, Melbourne, Perth, Darwin, Wyong, Campbelltown, Canberra Townsville, Cairns, Wollongong	
<b>TITLE: DETAILED SLOPE STABILITY          LAND CAPABILITY STUDY          ORAN PARK PRECINCT          ORAN PARK AND COBBITY</b>			
CLIENT: APP CORPORATION PTY LTD			
DRAWN BY: ALT	SCALE: 1:15,000 @ A3	PROJECT No: 40740	OFFICE: SYDNEY
APPROVED BY:		DATE: JANUARY 2007	DRAWING No: <b>6</b>