

Clare & Gilbert Valleys Council

Township Site Histories to Support DPA

MINTARO – ALLOTMENTS 376 TO 379

PRELIMINARY SITE HISTORY ASSESSMENT

July 2014

Final Report

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1 Introduction and Scope of Work

Australian Water Environments (AWE) was engaged by Clare and Gilbert Valleys Council to prepare a Preliminary Site History Assessment (SHA) for Allotments 376 to 379, Mintaro to support the proposed rezoning of the land from State Heritage Area (Mintaro) to Rural Living as detailed in the Clare and Gilbert Valleys District Townships and Settlements Development Plan Amendment (February 2014).

The objective of the SHA is to identify if any potential site contamination associated with current or historical site uses exists, and which may impact on the suitability of the site for proposed Rural Living purposes.

A site location and layout plan is presented in Figure 1-1.

The scope of work for the investigation was undertaken in accordance with *Schedule B(2) – Guideline on Site Characterisation of the National Environment Protection (Assessment of Site Contamination) Measure 1999* with the following activities undertaken as part of the investigation.

- Review of current and previous certificates of title to assess ownership and possible former uses of the site;
- Review of historical maps, surveys and building plans of the site;
- A search of the EPA records held relevant to Section 7 – Land and Business (Sale and Conveyancing Act) 1994;
- Review of geographic, geological and hydrogeological information pertaining to the site including geological maps and bore search data;
- Review of current and historical uses of the site through inspection of historical aerial photographs;
- Identification of any potential site and adjacent activities that may have had a negative impact on site soils and/or groundwater;
- Site inspection to confirm current site layout and validate anecdotal evidence and historical information and identify evidence of potential contamination;
- Discussion with previous site owner(s) and/or employees for relevant site history; and
- Production of a report detailing the findings of the SHA and providing recommendations for any future Investigations, if required.



2 Current Site Details

Allotments 376- 379 are located approximately 1.5km north west from the town centre. The allotments are bounded by:

- Broad acre farming along the western and northern boundary; and
- Rural living allotments along the southern and eastern boundary.

The site is characterised by broad acre farming, and current ownership details are provided in Table 2-1.

TABLE 2-1: INDIVIDUAL ALLOTMENT OWNERSHIP

Allotment	Parent CT	Name of CT Owner	Date (start)
Lot 379	CT5832/895	Andrew Aworth	10/01/2001
Lot 378	CT5832/759		9/01/2001
Lot 377	CT5832/760		9/01/2001
Lot 376	CT5832/761		9/01/2001

Additional site information is provided below:

AREA OF INVESTIGATION	Total Site – approximately 6ha
SITE	<p>Lot 379– 1.5 ha</p> <p>Lot 378– 1.5 ha</p> <p>Lot 377 – 1.5 ha</p> <p>Lot 376 1.5 ha</p>
LOCAL GOVT. AUTHORITY	Clare and Gilbert Valleys Council
CURRENT ZONING	State Heritage Area (Mintaro) (refer to Appendix A for more detail on zoning)
PROPOSED ZONING	Rural Living (CGVC 2014, Appendix A)
SITE USAGE	Broad acre farming.

3 Historical Review

3.1 Ownership

Historical ownership information was gathered direct from Lands Title Office (LTO) electronic information. Detailed historical ownership is presented in Table 3-1.

TABLE 3-1: HISTORICAL OWNERSHIP

Allotment No.	Parent CT	Name of CT Owner	Profession	Commencement Date	Other Details
Lot 379	CT 5832/895				Current Title
	CT4318/68	Andrew John Aworth	Farmhand	6/07/1988	Cancelled and converted to a computerised title. New certificate for portion of land in Volume 2320 and Folio 173.
	CT2320/173	Edmund Alfred Garner Scarfe	Wirrabara Apiarist	27/04/1954	Transferred to Martin Bartholomeus (mechanic) on the 18/12/1964. Transferred to Brian Keith Daniel on the 17/3/1980. Transferred to Andrew John Aworth (farmhand) on the 17/12/1982. Transferred to Ian and Zianne Illingworth on the 24/2/1986. Cancelled and new certificate of title Volume 4318 Folio 68-73.
Lot 378	CT 5832/759				Current Title
	CT4318/69	Andrew John Aworth	Farmhand	6/07/1988	Cancelled and converted to computerised title. New certificate for portion of land in Volume 2320 and Folio 173.
	CT2320/173	see CT2320/173			
Lot 377	CT 5832/760				Current Title
	CT4318/70	Andrew John Aworth	Farmhand	6/07/1988	Cancelled and converted to computerised title. New certificate for portion of land in Volume 2320 and Folio 173.
	CT2320/173	see CT2320/173			
Lot 376	CT5832/761				Current Title
	CT4318/71	Andre John Aworth	Farmhand	6/07/1988	Cancelled and converted to computerised title. New computerised title Volume 3220 and Folio 173.
	CT2320/173	see CT2320/173.			

3.2 Aerial Photograph Review

A review of historical aerial photographs provided by the Department of Environment & Heritage (Mapland) for the allotments in Mintaro was undertaken. The observations from the aerial photography review are presented in Table 3-2 with copies of the aerial photographs provided in Appendix B.

3.3 Council Records

No additional information (layout plans, services etc.) was available for the site from Council records.

TABLE 3-2: AERIAL PHOTOGRAPH REVIEW

FRAME/SURVEY No PHOTO	DATE	OBSERVATIONS
Mapland: 2413b_129 Scale 1: 40,000 Colour	21/03/1979	The 1979 aerial photograph indicates that the landscape is dominated by broad acre farming. There appears to be a small tributary which traverses across Lot 379. Allotment 378-376 is predominantly broad acre farming. There appears to be a dam located between allotment 379 and 378. All main roads appear unsealed. The immediate surrounds appear to be broad acre farming.
Mapland: 3033_111 Scale 1:40,000 Colour	15/12/1983	The 1983 aerial indicates a similar landscape to that presented in the 1979 aerial photograph. The immediate landscape surrounds indicates broad acre farming. The main and minor roads remain sealed and unsealed respectively.
Mapland: 4648_117 Scale 1:40,000 Colour	16/02/1993	The 1993 aerial indicates a similar landscape to the 1983 aerial photograph. The immediate surrounds appear to be broad acre farming. The vegetation within Lot 379 appears slightly denser compared with the 1983 aerial photograph. The immediate surrounds to the allotments remains largely unchanged broad acre farming.
Aerometrex Aerial Imagery Projected at 1:8,000 Colour	5/11/2010	The 2010 aerial imagery demonstrates a broad acre landscape. It appears the vegetation within the small tributary in allotment 379 has grown significantly. The main roads appear sealed while the minor roads predominantly are unsealed.

4 EPA Section 7 Records

A copy of the EPA records held relevant to section 7 – Land and Business (Sale and Conveyancing Act) 1994 were obtained and reviewed. No evidence of any environmental encumbrances or contaminating activities are recorded in the documentation. Copies of the EPA Section 7 records are provided in Appendix C.

5 Dial Before You Dig

Underground services trenches are potential pathways for contamination into or off-site and therefore Dial Before You Dig (DBYD) web searches were undertaken (see Table 5-1). DBYD responses generally reported services which predominantly follow property boundaries. DBYD responses are provided in Appendix D.

TABLE 5-1: SUMMARY OF DIAL BEFORE YOU DIG RESPONSES

Township	Allotment/Description of Area	Epic Energy	SA Water	Telstra	NextGen Networks	SA Power	Description/Comments
Mintaro	Lot 376	-	No	No	No	No	All SA Water, Telstra, SA Power generally reported services which predominantly followed property boundaries.
	Lot 377	-	No	No	No	No	All SA Water, Telstra, SA Power generally reported services which predominantly followed property boundaries.
	Lot 378	-	No	No	No	No	All SA Water, Telstra, SA Power generally reported services which predominantly followed property boundaries.
	Lot 379	-	No	No	No	No	All SA Water, Telstra, SA Power generally reported services which predominantly followed property boundaries.

6 Regional Setting

6.1 Topography

The Department of Environment and Heritage ten (10) metre topographic contours covering Mintaro indicates that the allotments lie between 430mAHD to 440mAHD. The allotments generally slope to the east.

6.2 Geology

The town of Mintaro, including the subject land, is located within the regionally extensive Adelaide Geosyncline fold belt defined by the series of north-south trending ranges and valleys of the area. The local Basement geological formation is the Mintaro Shale, a fluvioglacial siltstone with local glacial erratics (*Burra Geological Map Sheet*). Little or no outcrop of the Basement rock was observed on the subject land, although the slate is exposed in a quarry just to the west of the subject land. Available bore log information in the area indicate depths of clay topsoil ranging between 1m and 6m overlying the grey slate Basement rock, although no site specific borehole data on soil thickness is available.

Soils information obtained from *Nature Maps* indicates the site is characterised by gradational soils (loam on rock) with highly calcareous lower subsoil. The soils are rated to have low salinity, and negligible Acid Sulphate Soil Potential. Soil water erosion potential is classified as moderate (engineered works needed).

6.3 Hydrogeology

A bore search utilising *Water Connect* website was undertaken. The groundwater bore search identified 7 bores within a 0.5 km radius from bore 6630- 2030(bore hole locations are shown on Figure 6-1). Of these, 6 are identified as operational and 1 abandoned.

Available bore data indicates the following:

- Bores were drilled for irrigation and domestic purposes;
- Bore hole depths ranges from 13.1 metres below ground level (mbgl) to 53 mbgl;
- Depth to water ranges from 4.57 mbgl to 10.54 mbgl, and
- Salinity ranged from 783 mg/L to 1 867 mg/L.

Borehole details are presented in Table 6-1, and available groundwater well log data is provided in Appendix E.

6.4 Hydrology

Mintaro is located in the Wakefield River Catchment and runoff from the urban catchment is conveyed by a small tributary which flows into the Wakefield River. The Wakefield River is known for being ephemeral, flowing in large rainfall events. The total catchment area for the Wakefield River is 690 km². The Wakefield River terminates in the Port Wakefield Estuary.



TABLE 6-1: BOREHOLE DETAILS

Unit No.	Drill depth (m)	Drill date	Latest status	Latest status date	SWL (mbgl)	RSWL	TDS (mg/L)	EC	pH	yield (L/s)	MGA Easting	MGA Northing	MGA Zone
6630-2030	37	27/11/1991	OPR	27/11/1991			1867	3360	7.8	0.25	289078.89	6245012.39	54
6630-2089			OPR	26/08/1992	10.54	408.79	780	1415			288764.86	6244856.37	54
6630-2090			OPR	26/08/1992	7.24	408.97	783	1420			288824.87	6244899.32	54
6630-2091	20.42		OPR	26/08/1992	5.1	404.9	951	1722		1.5	288983.89	6244970.32	54
6630-2094	37.14	01/01/1991	OPR	26/08/1992	4.57	405.51				0.15	289096.86	6245011.34	54
6630-2131	13.1	01/01/1943	OPR	18/08/1995	5.66	413.34	1049	1900	7.4		288665.09	6245251.99	54
6630-2871	53	12/11/1997	ABD	12/11/1997						0	288916.99	6245170.35	54
Notes:													
OPR- Operational													
ABD- Abandoned													
<i>WaterConnect</i> download: 0.5km radius of 6630-2030													

7 Site Inspection

A site inspection was undertaken on 30th May 2014 to observe the current site layout and to identify any signs of potentially contaminating activities and/or actual contamination.

During the site inspection and discussions with landholder the following information was identified:

- Adjacent hobby farms to allotment 379 and 378 (Plates 1 & 2);
- Evidence of stockpiling of top soil in allotment 379 (Plate 3);
- Series of eucalypt gums located in a local low point between allotment 379 and 378 (Plate 4);
- Location of a localised flow path and a dam located between allotment 379 and 378 located at the downstream end (adjacent to eastern boundary of 379/378) (Plate 5);
- Evidence of stockpiling of prunings and broken tiles adjacent to the dam located on the boundary of allotment 379 and 378 (Plate 6);
- Evidence of stockpiling of prunings and rainwater tank in the south west corner of allotment 376 (Plate 7);
- Livestock in adjacent property on the southern boundary of allotment 376 (Plate 8);
- Typical broad acre farming in the immediate surrounds (Plate 9), and
- Evidence of general grazing and broad acre practices (Plate 10).

Site inspection plates are provided in Appendix F.

8 Discussion and Recommendations

An assessment of the potential for soil and groundwater contamination on the site has been undertaken based on a review of historical and current information and a site inspection. Due to the preliminary nature of this investigation no soil or groundwater samples were collected for laboratory analysis.

The site is characterised by broad acre farming and given the limited changes between the 1979 and 2010 aerial photographs it is likely that the dominating land use has been for farming practices only. As such, the potential use of pesticides / herbicides constitutes the main possible contaminating activity. Observations and comments relating to a range of possible contaminants are provided in Table 8-1.

An area of dumping of prunings and broken tiles located near the dam on the boundary of allotment 379 and 378 is not considered significant. Shedding associated with the adjacent residential allotments is also not considered significant given the clearance distances.

This Preliminary Site history Assessment has been undertaken to support the rezoning of the site from State Heritage Area (Mintaro) to Rural Living. Further consultation with the EPA should be undertaken to determine if soil/ groundwater sampling and analysis is required to address the possible issue of broad-scale use of herbicides / pesticides.

TABLE 8-1: SUMMARY OF POTENTIAL SOIL AND GROUNDWATER CONTAMINATION ISSUES

Issue	Potential contaminants	Contamination Likelihood	Comments/Description
Soil			
Agriculture	Fertilizers, herbicides and Organochlorine and Organophosphate pesticides (OC/OPs)	Possible	Historically used for broadacre farming. No significant evidence of irrigation and significant weed growth. No dead or dying vegetation.
Machinery storage (leaks/staining)	TPH/BTEX, VOCs, and heavy metals	Unlikely	No evidence of farming machinery on site and no dead or dying vegetation evident.
Vehicle access	TPH/BTEX, VOC's and heavy metals	Unlikely	Limited tracks through the property.
Dumping and/or rubbish storage	Broad range including TPH, BTEX, PAHs, heavy metals, asbestos and OC/OP's	Unlikely	Some dumping of prunings and broken tiles located near the dam. Evidence of stockpiling of top soil.
Imported fill	Heavy metals	Unlikely	External localised tracks.
Incineration areas	Polycyclic aromatic hydrocarbons (PAH's), metals, solvents	Unlikely	None evident
Buildings	Arsenic based termiticides (As and OC/OP's)	Unlikely	None evident

The potential for groundwater contamination is considered unlikely given that intensive irrigation has not been identified for any of the allotments.

Given the SHA has been undertaken for the purposes of rezoning for residential purposes as part of the DPA, it would be recommended to undertake any further investigations at the development assessment stage. Suitable policies are contained within the Development Plan in the Hazards Module in relation to future site assessment at the development assessment stage.

9 References

Clare and Gilbert Valleys Council (2014). *Statement of Intent, Clare & Gilbert Valleys District Townships and Settlements Development Plan Amendment*. C&GV Council, February 2014.

NEPM (1999). *National Environment Protection (Assessment of Site Contamination) Measure 1999. Schedule B(2) – Guideline on Site Characterisation*.

Nature Maps - <http://www.naturemaps.sa.gov.au>

South Australian Department of Mines (1969). *1:250 000 Geological Map Series Burra Sheet*. Geological Survey of South Australia.

Water Connect Website- <https://www.waterconnect.sa.gov.au/Pages/Home.aspx>

Appendix A: Council Zoning Information

Primary Production Zone

Refer to the [Map Reference Tables](#) for a list of the maps that relate to this zone.

OBJECTIVES

- 1 Economically productive, efficient and environmentally sustainable primary production, including cropping, grazing, viticulture and intensive animal keeping.
- 2 Allotments of a size and configuration that promote the efficient use of land for primary production.
- 3 Protection of primary production from encroachment by incompatible land uses and protection of scenic qualities of rural landscapes.
- 4 Maintenance and enhancement of tourist facilities, scenic routes and attractions, and historic features, including Bungaree, Hill River homestead, Martindale Hall and Kadlunga homestead.
- 5 Preservation of the natural landscape as characterized by steep north south ridgelines, broad valley floors and undulating hills.
- 6 Development that contributes to the desired character of the zone.

DESIRED CHARACTER

The role of the zone is to accommodate cropping and grazing activities on large rural land holdings and viticulture on small to medium sized allotments. The rural area is predominantly characterized by rolling pastures with stands of remnant vegetation with a variety of agricultural activities. The zone is of significant asset to the district and comprises of some of the regions most productive rural land which is capable of supporting a wide range of agriculture. Accordingly, it is desirable that no further fragmentation of rural properties be limited and that smaller properties be consolidated into larger holdings. Efforts should be made to revegetate the landscape in many parts of the zone with trees using locally indigenous species.

The landscape of the Clare Valley contrasts greatly with the surrounding district. The steep sided valley with gently undulating floor is dominated by the Hutt River which meanders through the locality from south to north. The heavily vegetated ridges and hill tops provide an attractive rural setting for the town of Clare whilst the several small settlements located along the valley floor have historical significance in terms of the agricultural and viticultural development of the district. North of the town of Clare the valley opens out to broad fertile plain and undulating hillsides. The Skilly Hills to the west of the Clare Valley are of particular scenic importance, containing extensive stands of dense native vegetation, interspersed with vineyards and wineries. The Spring Gully Conservation Park contains extensive areas of native vegetation including a rare stand of Stringy Red Bark. In marked contrast the landscape to the east of the Clare valley is open, sparsely vegetated, grazing land. Many of the old homesteads, small settlements and churches reflect the historical development of the district. In particular the small settlement of Mintaro, established to service the Burra to Port Wakefield bullock trail and the slate quarry, has retained much of its nineteenth century character. Other historic landmarks include Bungaree, Hill River Station, Martindale Hall, and Sevenhill.

The character of the rural area of the Gilbert Valley is derived from the large broadacre farming holdings for cereal crops, grazing and livestock. Significant pockets of native vegetation still remain throughout the district and along road reserves. The southern area of the Council lies almost wholly within the fertile Gilbert Valley, characterized by the Gilbert River which meets the Light River.

Where the two valleys meet the land is used for agricultural production and the grazing of stock on relatively large land holdings. The pattern of occupation with homesteads, ancillary buildings, and paddocks enclosing crops and livestock dominate the environment and firmly establish an open, rural appearance. Viticultural activity is concentrated along the Wakefield River and Eyre Creek. The headwaters of the Light River are

also located in the district. The climate, soil and landform characteristics of this zone favour the continuance of agricultural production and livestock grazing and it is desirable not only that these activities continue, but also that good land management techniques be continued to control proclaimed pest plants, vermin and soil erosion. Little intensification of the present extent of settlement is warranted. In many ways, a proliferation of intensive development and occupation of the zone would threaten its proper function and render the rural landscape susceptible to competing demands and undesirable change. To maintain the agricultural importance and stability of the zone, it is vital that the size of the land holdings is not significantly reduced, or densities increased, and that future pressures for development in the zone will not result in the conversion of agricultural land to less productive uses.

PRINCIPLES OF DEVELOPMENT CONTROL

Land Use

- 1 The following forms of development are envisaged in the zone:
 - bulk handling and storage facility
 - commercial forestry
 - dairy farming
 - farming
 - horticulture
 - intensive animal keeping
 - tourist accommodation (including through the diversification of existing farming activities and conversion of farm buildings).
- 2 Development listed as non-complying is generally inappropriate and not acceptable unless it can be demonstrated that it does not undermine the objectives and principles of the Development Plan.
- 3 Industry and warehousing should only be developed if it supports primary production, processing, storage and distribution of local primary produce or products produced on the same site, and should be developed where:
 - (a) it has a direct relationship with primary production
 - (b) it is unlikely to limit or inhibit the use of adjoining land for primary production
 - (c) the particular use requires a site in proximity to a particular natural resource or other product or materials sourced from the locality
 - (d) it will not result in the alienation of land or water resources identified as significant for primary production or ecological reasons
 - (e) the use would be inappropriate within a township
- 4 A shop should be:
 - (a) ancillary to primary production or processing uses, or tourist accommodation or other tourist development
 - (b) located on the same site as the primary use.
- 5 Buildings should primarily be limited to farm buildings, a detached dwelling associated with primary production or a tourist-related use on the allotment and residential outbuildings that are:
 - (a) grouped together on the allotment and set back from allotment boundaries to minimise the visual impact of buildings on the landscape as viewed from public roads

- (b) screened from public roads and adjacent land by existing vegetation or landscaped buffers.
- 6 Tourist accommodation should not be converted to dwellings and should be designed to preclude the conversion of buildings into dwellings such as through shared facilities, common utility services, grouped accommodation and/or shared parking.
- 7 A dwelling should only be developed if:
 - (a) there is a demonstrated connection with farming or other primary production
 - (b) the location of the dwelling will not inhibit the continuation of farming, other primary production or other development that is in keeping with the provisions of the zone
 - (c) it is located more than 500 metres from an existing intensive animal keeping operation unless used in association with that activity
 - (d) it does not result in more than one dwelling per allotment.

Form and Character

- 8 Development should not be undertaken unless it is consistent with the desired character for the zone.
- 9 Development should not occur within 500 metres of a National Park, Conservation Park, Wilderness Protection Area or significant stands of native vegetation if it will increase the potential for, or result in, the spread of pest plants.
- 10 Development which would remove productive land from agriculture, or diminish its overall productivity for primary production should not be undertaken, unless the land is required for essential public purposes or the processing of organic waste.

Heritage

- 11 Development surrounding Mintaro State Heritage Area should be designed and sited so as to minimise the impact of development on the heritage significance of Mintaro.

Land Division

- 12 For land not within a policy area, land division, including boundary realignments, should only occur where it will promote economically productive, efficient and sustainable primary production and not create any allotment less than 40 hectares in area.
- 13 Land division involving boundary realignments should only occur where the number of resulting allotments of less than 40 hectares is not greater than the number that existed prior to the realignment.
- 14 Land should not be divided except where a separate allotment is created of between one and five hectares in area to contain a habitable dwelling erected before 1 December 1972 where the balance allotment is in excess of 40 hectares.
- 15 Dwellings should be situated at least 50.0 metres from any site boundary within the zone to establish a visual buffer between development.

State Heritage Area (Mintaro)

Refer to the [Map Reference Tables](#) for a list of the maps that relate to this state heritage area.

STATEMENT OF HERITAGE VALUE

Mintaro provides clear physical evidence of its early role as a staging post supporting the bullock teams that hauled loads of copper ore from the mines in Burra to Port Wakefield from 1845. The discovery of these rich copper deposits provided for significant economic development in the 1840s in South Australia. As agriculture and pastoralism consolidated in the mid-north region, Mintaro was well placed to provide important local services such as blacksmiths, wheelwrights, bootmakers and other necessary facilities during an important time in the development of the colony. Martindale Hall, a stately mansion erected for the Bowman's in 1880 on a large land holding close to Mintaro, provides clear evidence that pastoralists had become the colony's social gentry.

Mintaro's close association with extractive primary industry in the developing colony is clearly demonstrated through the still operational slate quarry (first mined in 1854), and its early surviving buildings. This industry provided a significant and sustained economic boost to the town, particularly after the copper teams bypassed Mintaro to the south, travelling through Saddleworth and Riverton when a railhead was constructed at Gawler in 1857. The quarry employed about 40 men in 1860, a significant number considering Mintaro's population in 2006 of approximately 80 people.

The Mintaro slate quarry is of exceptional heritage value and has rare qualities, being the oldest continuously functioning quarry in South Australia and possibly Australia (it has been in operation for over one hundred and fifty years). Mintaro slate also enjoys a strong reputation for its high quality and durability, both nationally and internationally. The slate chimneys, tanks, walling, paving, road edging, culverts, window sills, steps and headstones at the cemetery evident in Mintaro demonstrate the use of the material as a successful building product. In fact, one of the most distinctive and unique physical features of Mintaro is the extensive use of dry stone walling, creating a strong visual definition along many property boundaries. All surviving elements of slate within the township are of exceptional significance.

Mintaro is an outstanding example of a small rural township that has survived for over 150 years with relatively little change to its physical appearance. The main street, Burra Street (formerly known as "The Gulf Road"), diagonally traverses the grid street pattern in the township, resulting in numerous T-junctions and road forks that provide oblique views of the many historic buildings and rural countryside beyond. There is an exceptionally high proportion of buildings surviving from the mid-nineteenth century (1850-1870), including modest workers cottages, churches and shops of simple form and detailing. The majority of buildings are single storey and use Manoora sandstone in their construction, with many of the steeply pitched roofs now clad in corrugated iron, replacing (or covering up) original slate shingles.

Burra Street has a unique historic quality, being lined on both sides with retail and commercial buildings dating from Mintaro's beginnings. Of particular note are the blacksmith's shop, carpenter's shop, the Mews, Magpie and Stump Hotel, and Devonshire House and Stables, Institute and Hall, Post Office and the former Police Station. A number of these buildings have been restored and remain in use.

Mintaro's neatly defined town boundaries, reflecting the original subdivision layout of 1849, provide the town with a strong sense of containment. Extensive mature landscaping survives throughout the town, including many large Red Gums, Pepper Trees, Morton Bay Figs in Burra Street and extensive rows of Hawthorn hedging. The public realm is distinguished by the absence of sophisticated street amenities such as parking bays, kerb and guttering, street signs and repetitive street lighting.

OBJECTIVES

- 1 Development that does not compromise the Statement of Heritage Value and contributes to the Desired Character for the Mintaro State Heritage Area.

DESIRED CHARACTER

Function

Mintaro will be a thriving rural village, with a unique historic identity and a strong sense of community. Historic buildings will be retained and, in some cases, adapted in a way that ensures their long-term conservation and viability.

Pattern of Development

With the exception of the denser parts of Burra Street around the Mews, substantial spaces between buildings will provide views through to land used for viticulture, grazing and cropping both within the boundaries of the town and on the hillsides surrounding Mintaro. The overall impression of Mintaro will be of an uncluttered, historic, rural village.

The rural land on the hills surrounding Mintaro establishes an important setting for the town. Development of the rural land surrounding Mintaro will complement and reinforce the heritage value and desired character of the State Heritage Area.

Public Realm

The public realm in Mintaro will reinforce its rural village character with minimal infrastructure such as curbing and guttering, footpaths and street furniture. There will not be significant change to the streetscape, but rather protection and subtle enhancement of key features such as the area in front of the Mintaro Institute, Torr Park and the entrances to the town. Interpretive signage throughout the public realm will assist in the understanding of the heritage significance of Mintaro.

Creek crossings will be highlighted by the retention of existing slate culverts, construction of additional painted steel post and rail abutments and stone pillars, and the revegetation with locally indigenous species.

There will be two major gateway entry points to Mintaro at the intersection of Burra Street and Burton Street, and Burra Street and Jacke Road. These gateways will be denoted by low slate walls with “Mintaro” badging on them, as well as hedging and Eucalyptus trees that reinforce the landscape character of Mintaro. The amount and style of signage at these gateways will be carefully managed.

Building Design

There will be a unity of built-form, where all new buildings are complementary to existing historic buildings rather than dominating or detracting from them. This will be achieved through new development which has design features such as small building footprints, steep roof pitches and simple detailing, as well as the use of building materials common to older structures in Mintaro such as sandstone, slate and corrugated iron.

Landscaping

Existing landscape characteristics of this rural settlement will be preserved and enhanced. These characteristics include predominantly cleared pastoral areas surrounding the town, stands of indigenous trees along ridge lines, scattered individual specimens and groups of mature eucalyptus trees set amongst vineyards on the edge of the town, and more uniform plantings of exotic and locally indigenous species in the core of the town. The preservation and reinstatement of locally indigenous vegetation along creeklines will also be an important feature of the town.

PRINCIPLES OF DEVELOPMENT CONTROL

Function

- 1 Development should reinforce Mintaro’s function as a local service centre for residents and the surrounding rural community, as well as promoting Mintaro as a tourist destination.
- 2 Historic buildings should be retained and, in some cases, adapted both in terms of land use and built form in a way that ensures their long-term conservation and viability.
- 3 Farming and horticultural (viticulture) activities should occur throughout the State Heritage Area, preserving the working rural character of Mintaro.

- 4 Not more than one dwelling should be erected on an allotment.
- 5 An additional dwelling may be developed in association with an existing dwelling provided that the additional dwelling:
 - (a) is located on the same allotment as the existing dwelling (allotment amalgamation may be necessary)
 - (b) is subordinate to the existing dwelling, with a floor area no greater than 60 square metres
 - (c) uses the same wastewater infrastructure as the existing dwelling
 - (d) Incorporates design elements that provide suitable access for people with disabilities
 - (e) satisfies [Table CGV/4 – Mintaro Conservation and Construction Guidelines](#).

Pattern of Development

- 6 Development should not be undertaken unless it is consistent with the desired character for the zone.
- 7 Development should be sited in a manner compatible with the preservation of the existing streetscapes with particular regard to the present random spacing and set-backs of buildings and landscaping in the immediate locality, providing views between buildings through to land used for viticulture, grazing and cropping both within the boundaries of the town and on the hillsides surrounding Mintaro.
- 8 Buildings should be sited so that they are parallel to the adjoining street.
- 9 New buildings should adopt setbacks that allow for space between buildings and landscaping that is consistent with the prevailing character of the locality and ensures the historic buildings remain dominant visual elements in the streetscape.

Public Realm

- 10 There should be minimal infrastructure on public land, but where such infrastructure is required it should be simple and robust in its design, incorporating the following elements:
 - (a) fencing made from post and wire, post and rail, timber pickets, low heights stone walls (particularly slate), and hedging
 - (b) seating made from timber and galvanized steel
 - (c) low level or up lighting which emphasises historic features
 - (d) footpaths of compacted rubble
 - (e) bluestone kerbing and guttering.
- 11 Signs, including interpretive signs, should be designed to complement the buildings they are attached to or adjoining in accordance with [Table CGV/4 – Mintaro Conservation and Construction Guidelines](#) and in particular:
 - (a) should not obscure buildings
 - (b) should be below the roof level or hung from below the verandah fascias or painted on the shop front window
 - (c) should be of traditional, well proportioned serif or sanserif style lettering
 - (d) should be based on the heritage range of external colours

- (e) neon and illuminated box signs should not be erected
- (f) should be limited in size and number so that they do not clutter the streetscape.

Building Design

General

- 12 Development involving the conservation of existing buildings and structures, the construction of extensions to existing buildings and entirely new buildings should conform to the standards of conservation practice set out in the [Table CGV/4 - Mintaro Conservation and Construction Guidelines](#).
- 13 New buildings should not replicate historic buildings, but rather be complementary to existing historic buildings in terms of architectural form, scale and proportions, with simple and restrained detailing.
- 14 New dwellings should complement the key elements of building mass and form associated with existing historic dwellings in Mintaro, which include:
 - (a) simple, small-scale, rectangular floor plans (larger dwellings should incorporate a number of simple, small-scale, rectangular structures joined together)
 - (b) steeply pitched roofs (30-40 degrees), that are hipped or gabled with short spans (approximately 3.0 metres maximum from the ridge to the eaves), supplemented by skillion or lean-to roof elements where necessary (a greater ridge to eaves dimension may be appropriate where a new building is not located in close proximity to an existing historic building with a small ridge to eaves dimension)
 - (c) modest principal facade widths of 10 to 12 metres, while longer facades include projecting gable elements or similar
 - (d) façades with a high solid to void ratio, where window and door openings have limited width and vertical proportions
 - (e) floor to ceiling heights between 2.7 and 3.0 metres (wall height represents 66 per cent of overall building height, or at least 50 per cent of overall building height where roof spans approach 4.5 metres from the ridge to the eaves)
 - (f) straight pitched and concave verandahs (not bull-nosed), without elaborate detailing (square rather than fluted or turned verandah posts)
 - (g) simple detailing (mock-historic details such as finials, lacework, elaborate barge boards, quoinwork, colonial bar glazing, bay windows or heavily paneled doors should be avoided).

Height

- 15 Buildings should be predominantly single storey, with any upper storeys located within the roof space.

On-site Parking

- 16 Development should be provided with adequate off-street car parking located to the rear of buildings so that any associated structures such as garages and carports do not increase the bulk and scale of the main building and so that garages, garage doors and carports do not negatively impact on the streetscape, views to the main buildings and other historic buildings, and the open character of the town.

Building Materials

- 17 Buildings should incorporate materials that are compatible with the materials used in historic buildings in Mintaro, including the following materials:

- (a) bluestone, sandstone, weatherboard, corrugated steel in galvanized or powder coated finishes, rendered masonry and acrylic finishes (or a combination of these materials) for external walls in dark, earthen colours and greys (imitation stone or slate veneer should not be used)
- (b) corrugated galvanized steel sheet for roofing on historic buildings, and either corrugated galvanized steel sheet or painted/powder coated steel for roofing on new buildings in grey hues that minimises glare and is compatible with the surrounding landscape and existing buildings
- (c) painted timber windows frames and doors and insect screens (aluminum window frames and insect screens may be acceptable where new buildings are not close to historic buildings).

Earthworks

- 18 Buildings should be designed and sited so that the need for cut and fill is minimised, thereby reducing potential soil erosion and the need for and height of retaining walls, while also ensuring that the bulk and scale of buildings is minimised (new buildings should be benched into sloping sites rather than being set on raised platforms).

Outbuildings and Ancillary Structures

- 19 Outbuildings, including garages and carports, should:
- (a) be limited in size so as to maintain the desirable open character of Mintaro;
 - (b) be simple in their architectural form with rectilinear floor plans
 - (c) include a combination of steeply pitched gabled or hipped roofs (approximately 30-40 degrees, similar to the associated dwelling) with breaks in roof forms or skillion roof to minimise the bulk and scale of large outbuildings
 - (d) use corrugated galvanized steel sheet or painted/powder coated steel roofing, together with stone, rendered masonry, weatherboard or corrugated steel in galvanized or painted/powder coated finishes (or a combination of these materials) walls in dark, earthen colours.
- 20 Antennae, satellite dishes, solar panels, plant and ancillary equipment should be located so as to not intrude on the historic character of buildings and streetscapes.
- 21 Rainwater tanks should:
- (a) be limited in size (a number of smaller tanks are more appropriate than one large tank)
 - (b) be located as inconspicuously as possible (at the rear of associated buildings, partially or total below ground, screened by vegetation)
 - (c) have a corrugated profile that is complementary to traditional galvanized iron tanks.

Fencing

- 22 Fences should be minimised wherever possible to enhance the open, historic character of Mintaro. Where fencing is necessary it should be in the form of post and wire, post and rail, timber pickets, low height stone walls (particularly slate), and hedging (painted/powder coated steel fencing is inappropriate).

Water Supply and Wastewater Management

- 23 Development should only be undertaken where it can be demonstrated that a water supply of adequate quantity and quality is available for the proposed use.
- 24 Effluent disposal should, where possible, be by a community wastewater management system (septic tank effluent disposal scheme or common effluent disposal scheme), so as not to cause risk to health and not pollute surface or underground water supplies.

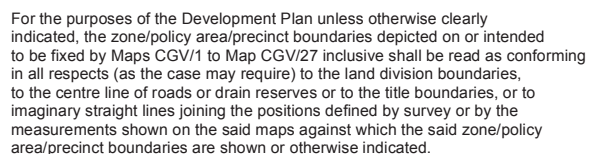
- 25 The point of discharge from an aerobic waste disposal system should be located so as not to cause a risk to health or pollute surface or underground water supplies.

Landscaping

- 26 Large, individual specimens and stands of Eucalyptus trees scattered throughout Mintaro should be preserved and incorporated in new development.
- 27 Plantings of both native (preferably locally indigenous) and exotic species consistent with existing landscape character should be incorporated in new development towards the centre of Mintaro.
- 28 Exotic species should be replaced with locally indigenous species along creek lines so as to improve water flow, water quality and biodiversity.
- 29 Driveways should be made from compacted earth or gravel, with paving and hard surfacing kept to a minimum.
- 30 Development should be set back sufficient distance from both individual and stands of large Eucalyptus trees to allow for their retention without compromising the health and safety aspects of such trees.

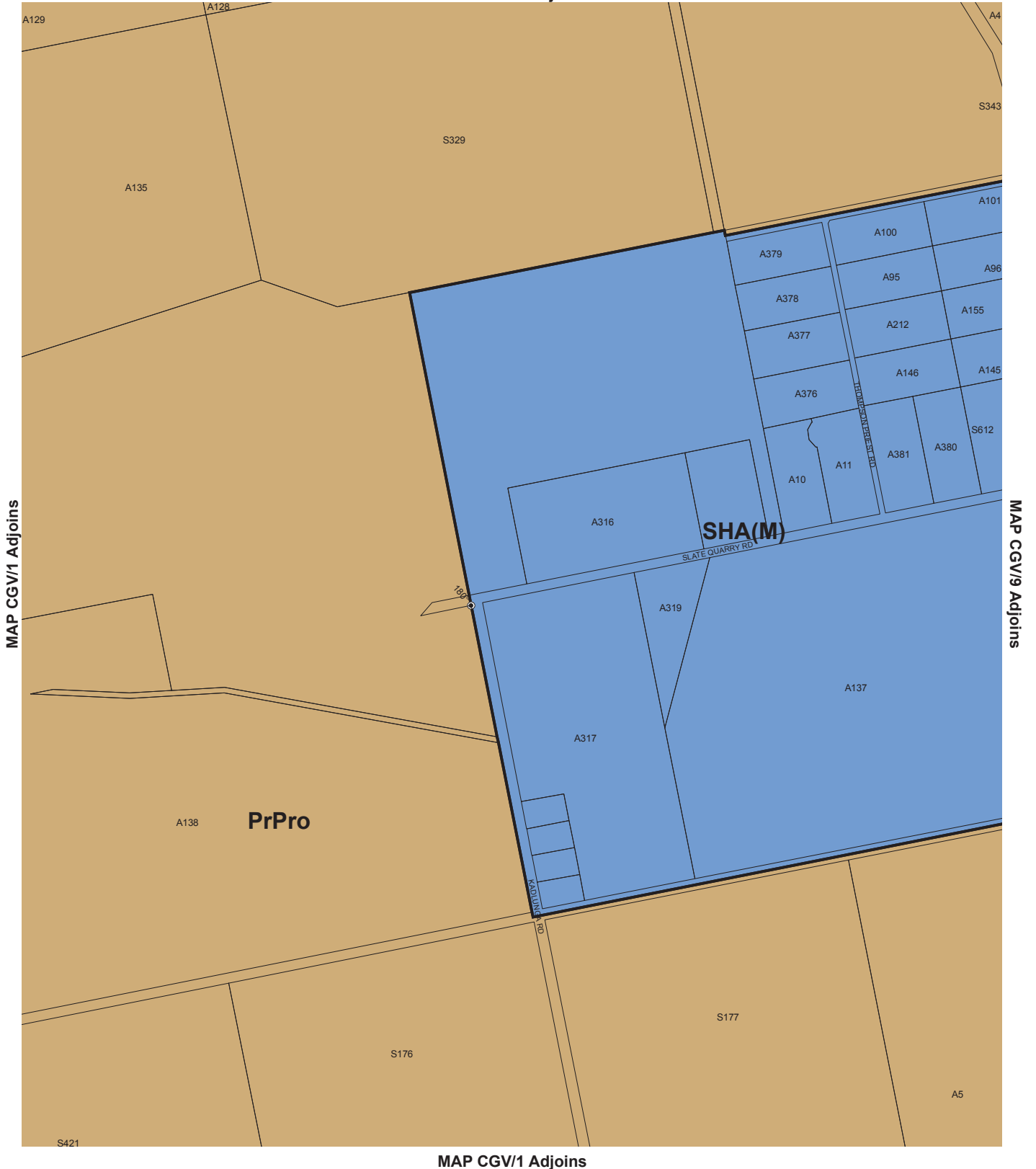
Environmental

- 31 The size, distribution and density of allotments contained in any land division should be designed to avoid any cumulative adverse impacts associated with on-site household wastewater disposal on nutrient and microbial concentrations in local and regional groundwater systems.
- 32 Aerobic or anaerobic disposal of effluent should not occur within 50 metres of a watercourse in order to minimise environmental impacts associated with this type of wastewater treatment.
- 33 Development incorporating systems for the disposal of wastewater on-site should only occur where permeability and geotechnical analysis confirms that the soil qualities are able to cater for such a system and the area dedicated to the disposal of effluent does not occur within areas of high usage private outdoor open space, driveways, car parking or outbuildings.
- 34 Development, including land division, should not occur where site contamination has occurred unless the site has been assessed and remediate as necessary, to ensure that there are no undue health impacts for occupants and visitors to this and adjoining land.



CLARE AND GILBERT VALLEYS COUNCIL
Consolidated - 23 September 2010

MAP CGV/1 Adjoins



MAP CGV/1 Adjoins

Lamberts Conformal Conic Projection, GDA94



MINTARO

Zone Map CGV/8

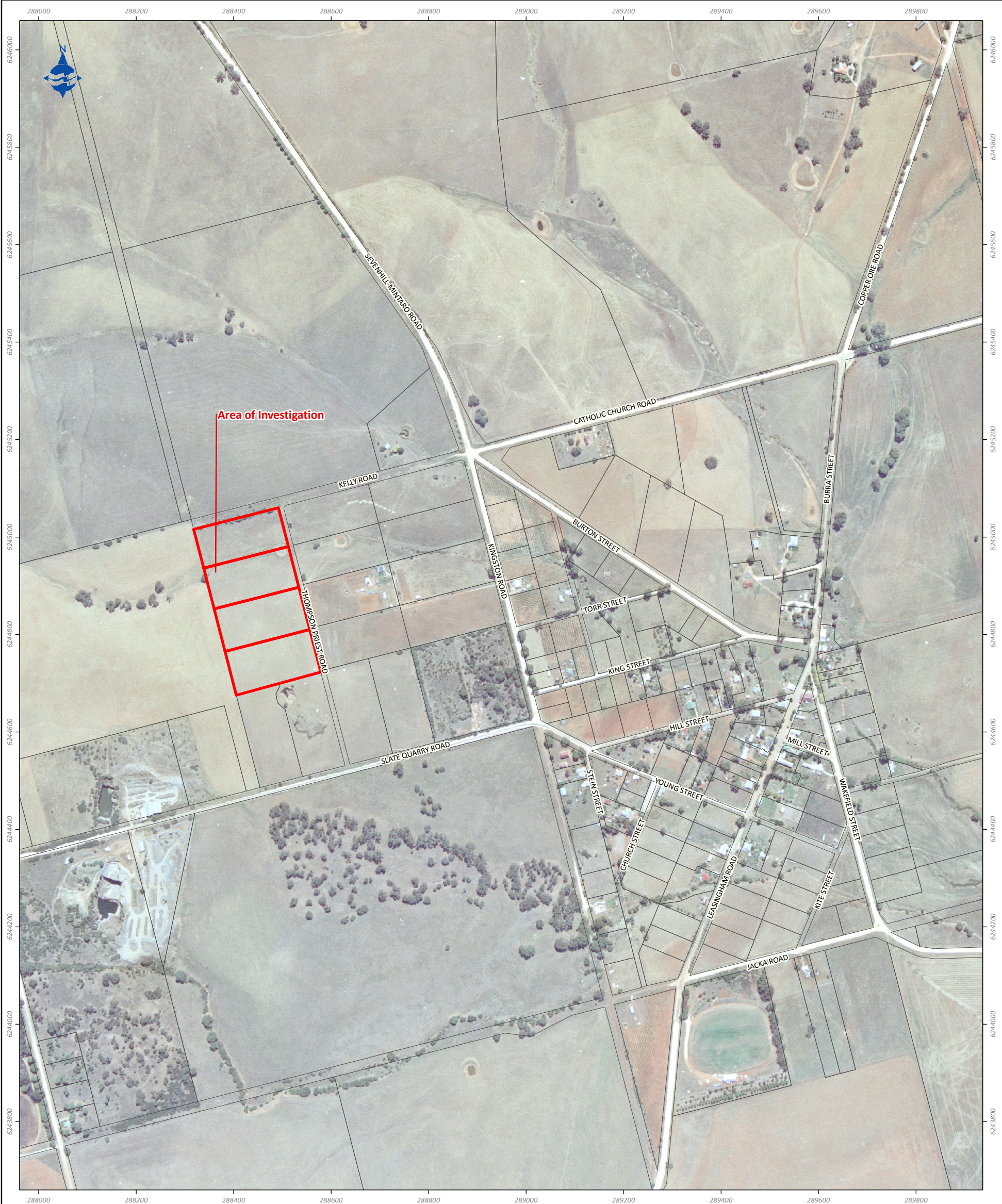
Zones

PrPro	Primary Production
SHA(M)	State Heritage Area (Mintaro)
	Zone Boundary

CLARE AND GILBERT VALLEYS COUNCIL

Consolidated - 23 September 2010

Appendix B: Aerial Photographs



LEGEND

- Cadastre
- Area of Investigation

Data Source:
Aerial photography supplied by Mapland, Dept of Environment, Water and Natural Resources (DEWNR);
Roadnames and Cadastre supplied by Clare & Gilbert Valleys Council; Area of Investigation supplied by Australian
Water Environments (AWE).

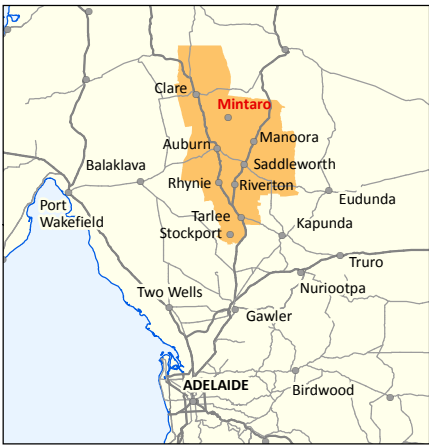
0 50 100 150 200 250 300
Metres (Scale 1:8,000 A3 Sheet)



Clare and Gilbert Valley Site History Assessment

Mintaro

Aerial Photography 21/3/1979



LEGEND

- Cadastre
- Area of Investigation

Data Source:

Aerial photography supplied by Mapland, Dept of Environment, Water and Natural Resources (DEWNR); Roadnames and Cadastre supplied by Clare & Gilbert Valleys Council; Area of Investigation supplied by Australian Water Environments (AWE).

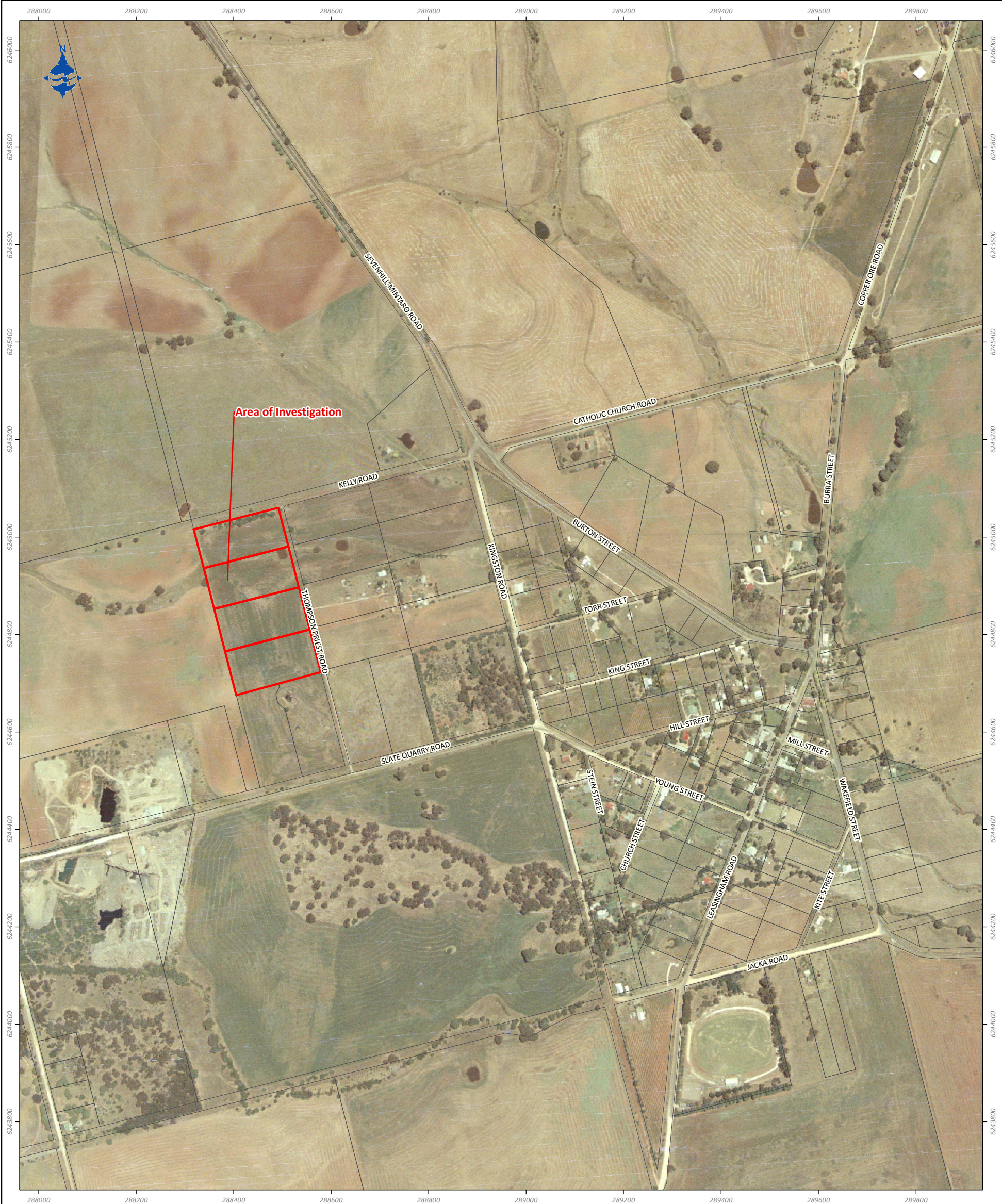
0 50 100 150 200 250 300
Metres (Scale 1:8,000 A3 Sheet)



Clare and Gilbert Valley Site History Assessment

Mintaro

Aerial Photography 15/12/1983



LEGEND

- Cadastre
- Area of Investigation

Data Source:
Aerial photography supplied by Mapland, Dept of Environment, Water and Natural Resources (DEWNR);
Roadnames and Cadastre supplied by Clare & Gilbert Valleys Council; Area of Investigation supplied by Australian
Water Environments (AWE).

0 50 100 150 200 250 300
Metres (Scale 1:8,000 A3 Sheet)



Clare and Gilbert Valley Site History Assessment

Mintaro

Aerial Photography 16/2/1993



LEGEND

- Cadastre
- Area of Investigation

Data Source:
Aerial photography from Aerometrex; Roadnames and Cadastre from Clare & Gilbert Valleys Council; Area of Investigation supplied by Australian Water Environments (AWE).

0 50 100 150 200 250 300
Metres (Scale 1:8,000 A3 Sheet)



Clare and Gilbert Valley Site History Assessment

Mintaro

Aerial Photography 5/11/2010

Appendix C: EPA Section 7 Records

Australian Water Environments
Unit 1, 198 Greenhill Road
EASTWOOD SA 5063

Contact: Section 7
Telephone: (08) 8204 2179
Telephone: (08) 8204 2962
Email: epasection7@epa.sa.gov.au

Contact: Public Register
Telephone: (08) 8204 9128

22 May, 2014

Dear Sir/Madam,

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

I refer to your enquiry concerning the parcel of land comprised in

Title Reference CT Volume 5832 Folio 895

Address Allotment 379, Thompson Priest Road, MINTARO SA 5415

I advise as follows:

**PARTICULARS OF MORTGAGES, CHARGES PRESCRIBED ENCUMBRANCES
AFFECTING THE LAND**

- | | | |
|-------|--|----|
| 9.1 | Environment performance agreement under section 59 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.1 | Environment protection order issued under section 93 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.2 | Section 93A - Environment protection order relating to cessation of activity that is registered in relation to the land. | NO |
| 9.3 | Clean-up order issued under section 99 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.4 | Clean-up authorisation issued under section 100 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |

9.5.1	Section 103H - Site contamination assessment order that is registered in relation to the land.	NO
9.5.2	Section 103J - Site remediation order that is registered in relation to the land.	NO
9.5.3	Section 103N - Notice of declaration of special management area in relation to the land (due to possible existence of site contamination).	NO
9.5.4	Section 103P - Notation of site contamination audit report in relation to the land.	NO
9.5.5	Section 103S - Notice of prohibition or restriction on taking water affected by site contamination in relation to the land.	NO

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

3) Licences and exemptions recorded by EPA in public register

Does the EPA hold any of the following details in the public register:

- | | | |
|----|--|--|
| a) | details of a current licence issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| | i) | a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or |
| | | NO |
| | ii) | activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? |
| | | NO |
| | iii) | any other prescribed activity of environmental significance under Schedule 1 of that Act? |
| | | NO |
| b) | details of a licence no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| | i) | a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or |
| | | NO |
| | ii) | activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? |
| | | NO |

- iii) any other prescribed activity of environmental significance under Schedule 1 of that Act?

NO
- c) details of a current exemption issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land.

NO
- d) details of an exemption that are no longer enforced, issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land.

NO
- e) details of a licence issued under the repealed *South Australian Waste Management Commission Act 1979* to operate a waste depot at the land.

NO
- f) details of a licence issued under the repealed *Waste Management Act 1987* to operate a waste depot at the land

NO
- g) details of a licence issued under the repealed *South Australian Waste Management Commission Act 1979* to produce waste of a prescribed kind (within the meaning of that Act) at the land.

NO
- h) details of a licence issued under the repealed *Waste Management Act 1987* to produce prescribed waste (within the meaning of that Act) at the land?

NO

4) Pollution and site contamination on the land - details recorded by the EPA in public register

Does the EPA hold any of the following details in the public register in relation to the land or part of the land:

- a) details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the *Environment Protection Act 1993*)?

NO
- b) details of site contamination notified to the EPA under section 83A of the *Environment Protection Act 1993*?

NO
- c) a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register?

NO
- d) a copy of a site contamination audit report?

NO

- | | |
|---|----|
| e) details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies? | NO |
| f) details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| g) details of an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| h) details of a notification under section 103Z(1) of the <i>Environment Protection Act 1993</i> relating to the commencement of a site contamination audit? | NO |
| i) details of a notification under section 103Z(2) of the <i>Environment Protection Act 1993</i> relating to the termination before completion of a site contamination audit? | NO |
| j) details of records, held by the former <i>South Australian Waste Management Commission</i> under the repealed <i>Waste Management Act 1987</i> , of waste (within the meaning of that Act) having been deposited on the land between 1 January 1983 and 30 April 1995? | NO |

5) Pollution and site contamination on the land - other details held by EPA

Does the EPA hold any of the following details in relation to the land or part of the land:

- | | |
|---|----|
| a) a copy of a report known as a "Health Commission Report" prepared by or on behalf of the <i>South Australian Health Commission</i> (under the repealed <i>South Australian Health Commission Act 1976</i>)? | NO |
| b) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| c) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| d) a copy of a pre-1 July 2009 site audit report? | NO |
| e) details relating to the termination before completion of a pre-1 July 2009 site audit? | NO |



All care and diligence has been taken to access the above information from available records. Historical records provided to the EPA concerning matters arising prior to 1 May 1995 are limited and may not be accurate or complete and therefore the EPA cannot confirm the accuracy of the historical information provided.

A handwritten signature in black ink, consisting of a stylized 'R' followed by a horizontal line.

Delegate for
ENVIRONMENT PROTECTION AUTHORITY

Australian Water Environments
Unit 1, 198 Greenhill Road
EASTWOOD SA 5063

Contact: Section 7
Telephone: (08) 8204 2179
Telephone: (08) 8204 2962
Email: epasection7@epa.sa.gov.au

Contact: Public Register
Telephone: (08) 8204 9128

22 May, 2014

Dear Sir/Madam,

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

I refer to your enquiry concerning the parcel of land comprised in

Title Reference CT Volume 5832 Folio 759

Address Allotment 378, Thompson Priest Road, MINTARO SA 5415

I advise as follows:

**PARTICULARS OF MORTGAGES, CHARGES PRESCRIBED ENCUMBRANCES
AFFECTING THE LAND**

- | | | |
|-------|--|----|
| 9.1 | Environment performance agreement under section 59 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.1 | Environment protection order issued under section 93 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.2 | Section 93A - Environment protection order relating to cessation of activity that is registered in relation to the land. | NO |
| 9.3 | Clean-up order issued under section 99 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.4 | Clean-up authorisation issued under section 100 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |

9.5.1	Section 103H - Site contamination assessment order that is registered in relation to the land.	NO
9.5.2	Section 103J - Site remediation order that is registered in relation to the land.	NO
9.5.3	Section 103N - Notice of declaration of special management area in relation to the land (due to possible existence of site contamination).	NO
9.5.4	Section 103P - Notation of site contamination audit report in relation to the land.	NO
9.5.5	Section 103S - Notice of prohibition or restriction on taking water affected by site contamination in relation to the land.	NO

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

3) Licences and exemptions recorded by EPA in public register

Does the EPA hold any of the following details in the public register:

- | | | |
|----|--|----|
| a) | details of a current licence issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| | i) | |
| | a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or | NO |
| | ii) | |
| | activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? | NO |
| | iii) | |
| | any other prescribed activity of environmental significance under Schedule 1 of that Act? | NO |
| b) | details of a licence no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| | i) | |
| | a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or | NO |
| | ii) | |
| | activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? | NO |

- | | |
|---|----|
| iii) any other prescribed activity of environmental significance under Schedule 1 of that Act? | NO |
| c) details of a current exemption issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land. | NO |
| d) details of an exemption that are no longer enforced, issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land. | NO |
| e) details of a licence issued under the repealed <i>South Australian Waste Management Commission Act 1979</i> to operate a waste depot at the land. | NO |
| f) details of a licence issued under the repealed <i>Waste Management Act 1987</i> to operate a waste depot at the land | NO |
| g) details of a licence issued under the repealed <i>South Australian Waste Management Commission Act 1979</i> to produce waste of a prescribed kind (within the meaning of that Act) at the land. | NO |
| h) details of a licence issued under the repealed <i>Waste Management Act 1987</i> to produce prescribed waste (within the meaning of that Act) at the land? | NO |

4) Pollution and site contamination on the land - details recorded by the EPA in public register

Does the EPA hold any of the following details in the public register in relation to the land or part of the land:

- | | |
|--|----|
| a) details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the <i>Environment Protection Act 1993</i>)? | NO |
| b) details of site contamination notified to the EPA under section 83A of the <i>Environment Protection Act 1993</i> ? | NO |
| c) a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register? | NO |
| d) a copy of a site contamination audit report? | NO |

- | | |
|---|----|
| e) details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies? | NO |
| f) details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| g) details of an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| h) details of a notification under section 103Z(1) of the <i>Environment Protection Act 1993</i> relating to the commencement of a site contamination audit? | NO |
| i) details of a notification under section 103Z(2) of the <i>Environment Protection Act 1993</i> relating to the termination before completion of a site contamination audit? | NO |
| j) details of records, held by the former <i>South Australian Waste Management Commission</i> under the repealed <i>Waste Management Act 1987</i> , of waste (within the meaning of that Act) having been deposited on the land between 1 January 1983 and 30 April 1995? | NO |

5) Pollution and site contamination on the land - other details held by EPA

Does the EPA hold any of the following details in relation to the land or part of the land:

- | | |
|---|----|
| a) a copy of a report known as a "Health Commission Report" prepared by or on behalf of the <i>South Australian Health Commission</i> (under the repealed <i>South Australian Health Commission Act 1976</i>)? | NO |
| b) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| c) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| d) a copy of a pre-1 July 2009 site audit report? | NO |
| e) details relating to the termination before completion of a pre-1 July 2009 site audit? | NO |



All care and diligence has been taken to access the above information from available records. Historical records provided to the EPA concerning matters arising prior to 1 May 1995 are limited and may not be accurate or complete and therefore the EPA cannot confirm the accuracy of the historical information provided.

A handwritten signature in black ink, appearing to be 'Deji' followed by a long horizontal line.

Delegate for
ENVIRONMENT PROTECTION AUTHORITY



Australian Water Environments
Unit 1, 198 Greenhill Road
EASTWOOD SA 5063

Contact: Section 7
Telephone: (08) 8204 2179
Telephone: (08) 8204 2962
Email: epasection7@epa.sa.gov.au

Contact: Public Register
Telephone: (08) 8204 9128

22 May, 2014

Dear Sir/Madam,

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

I refer to your enquiry concerning the parcel of land comprised in

Title Reference CT Volume 5832 Folio 760

Address Allotment 377, Thompson Priest Road, MINTARO SA 5415

I advise as follows:

**PARTICULARS OF MORTGAGES, CHARGES PRESCRIBED ENCUMBRANCES
AFFECTING THE LAND**

- | | | |
|-------|--|----|
| 9.1 | Environment performance agreement under section 59 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.1 | Environment protection order issued under section 93 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.2 | Section 93A - Environment protection order relating to cessation of activity that is registered in relation to the land. | NO |
| 9.3 | Clean-up order issued under section 99 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.4 | Clean-up authorisation issued under section 100 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |

9.5.1	Section 103H - Site contamination assessment order that is registered in relation to the land.	NO
9.5.2	Section 103J - Site remediation order that is registered in relation to the land.	NO
9.5.3	Section 103N - Notice of declaration of special management area in relation to the land (due to possible existence of site contamination).	NO
9.5.4	Section 103P - Notation of site contamination audit report in relation to the land.	NO
9.5.5	Section 103S - Notice of prohibition or restriction on taking water affected by site contamination in relation to the land.	NO

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

3) Licences and exemptions recorded by EPA in public register

Does the EPA hold any of the following details in the public register:

- | | | |
|----|--|----|
| a) | details of a current licence issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| | i) a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or | NO |
| | ii) activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? | NO |
| | iii) any other prescribed activity of environmental significance under Schedule 1 of that Act? | NO |
| b) | details of a licence no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| | i) a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or | NO |
| | ii) activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? | NO |

- iii) any other prescribed activity of environmental significance under Schedule 1 of that Act?

NO
- c) details of a current exemption issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land.

NO
- d) details of an exemption that are no longer enforced, issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land.

NO
- e) details of a licence issued under the repealed *South Australian Waste Management Commission Act 1979* to operate a waste depot at the land.

NO
- f) details of a licence issued under the repealed *Waste Management Act 1987* to operate a waste depot at the land

NO
- g) details of a licence issued under the repealed *South Australian Waste Management Commission Act 1979* to produce waste of a prescribed kind (within the meaning of that Act) at the land.

NO
- h) details of a licence issued under the repealed *Waste Management Act 1987* to produce prescribed waste (within the meaning of that Act) at the land?

NO

4) Pollution and site contamination on the land - details recorded by the EPA in public register

Does the EPA hold any of the following details in the public register in relation to the land or part of the land:

- a) details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the *Environment Protection Act 1993*)?

NO
- b) details of site contamination notified to the EPA under section 83A of the *Environment Protection Act 1993*?

NO
- c) a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register?

NO
- d) a copy of a site contamination audit report?

NO

- | | |
|---|----|
| e) details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies? | NO |
| f) details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| g) details of an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| h) details of a notification under section 103Z(1) of the <i>Environment Protection Act 1993</i> relating to the commencement of a site contamination audit? | NO |
| i) details of a notification under section 103Z(2) of the <i>Environment Protection Act 1993</i> relating to the termination before completion of a site contamination audit? | NO |
| j) details of records, held by the former <i>South Australian Waste Management Commission</i> under the repealed <i>Waste Management Act 1987</i> , of waste (within the meaning of that Act) having been deposited on the land between 1 January 1983 and 30 April 1995? | NO |

5) Pollution and site contamination on the land - other details held by EPA

Does the EPA hold any of the following details in relation to the land or part of the land:

- | | |
|---|----|
| a) a copy of a report known as a "Health Commission Report" prepared by or on behalf of the <i>South Australian Health Commission</i> (under the repealed <i>South Australian Health Commission Act 1976</i>)? | NO |
| b) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| c) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| d) a copy of a pre-1 July 2009 site audit report? | NO |
| e) details relating to the termination before completion of a pre-1 July 2009 site audit? | NO |

All care and diligence has been taken to access the above information from available records. Historical records provided to the EPA concerning matters arising prior to 1 May 1995 are limited and may not be accurate or complete and therefore the EPA cannot confirm the accuracy of the historical information provided.

A handwritten signature in black ink, consisting of a stylized 'R' followed by a horizontal line.

Delegate for
ENVIRONMENT PROTECTION AUTHORITY

Australian Water Environments
Unit 1, 198 Greenhill Road
EASTWOOD SA 5063

Contact: Section 7
Telephone: (08) 8204 2179
Telephone: (08) 8204 2962
Email: epasection7@epa.sa.gov.au

Contact: Public Register
Telephone: (08) 8204 9128

22 May, 2014

Dear Sir/Madam,

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

I refer to your enquiry concerning the parcel of land comprised in

Title Reference CT Volume 5832 Folio 761

Address Allotment 376, Thompson Priest Road, MINTARO SA 5415

I advise as follows:

**PARTICULARS OF MORTGAGES, CHARGES PRESCRIBED ENCUMBRANCES
AFFECTING THE LAND**

- | | | |
|-------|--|----|
| 9.1 | Environment performance agreement under section 59 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.1 | Environment protection order issued under section 93 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.2.2 | Section 93A - Environment protection order relating to cessation of activity that is registered in relation to the land. | NO |
| 9.3 | Clean-up order issued under section 99 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |
| 9.4 | Clean-up authorisation issued under section 100 of the <i>Environment Protection Act 1993</i> that is registered in relation to the land. | NO |

9.5.1	Section 103H - Site contamination assessment order that is registered in relation to the land.	NO
9.5.2	Section 103J - Site remediation order that is registered in relation to the land.	NO
9.5.3	Section 103N - Notice of declaration of special management area in relation to the land (due to possible existence of site contamination).	NO
9.5.4	Section 103P - Notation of site contamination audit report in relation to the land.	NO
9.5.5	Section 103S - Notice of prohibition or restriction on taking water affected by site contamination in relation to the land.	NO

PARTICULARS RELATING TO ENVIRONMENT PROTECTION

Section 7 - Land and Business (Sale and Conveyancing) Act 1994

3) Licences and exemptions recorded by EPA in public register

Does the EPA hold any of the following details in the public register:

- | | | |
|------|--|----|
| a) | details of a current licence issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| i) | a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or | NO |
| ii) | activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? | NO |
| iii) | any other prescribed activity of environmental significance under Schedule 1 of that Act? | NO |
| b) | details of a licence no longer in force issued under Part 6 of the <i>Environment Protection Act 1993</i> to conduct, at the land- | |
| i) | a waste or recycling depot (as referred to in clause 3(3) of Schedule 1 Part A of that Act); or | NO |
| ii) | activities producing listed wastes (as referred to in clause 3(4) of Schedule 1 Part A of that Act)? | NO |

- iii) any other prescribed activity of environmental significance under Schedule 1 of that Act?

NO
- c) details of a current exemption issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land.

NO
- d) details of an exemption that are no longer enforced, issued under Part 6 of the Environmental Protection Act 1993 from the application of a specified provision of that Act in relation to an activity carried on at the land.

NO
- e) details of a licence issued under the repealed *South Australian Waste Management Commission Act 1979* to operate a waste depot at the land.

NO
- f) details of a licence issued under the repealed *Waste Management Act 1987* to operate a waste depot at the land

NO
- g) details of a licence issued under the repealed *South Australian Waste Management Commission Act 1979* to produce waste of a prescribed kind (within the meaning of that Act) at the land.

NO
- h) details of a licence issued under the repealed *Waste Management Act 1987* to produce prescribed waste (within the meaning of that Act) at the land?

NO

4) Pollution and site contamination on the land - details recorded by the EPA in public register

Does the EPA hold any of the following details in the public register in relation to the land or part of the land:

- a) details of serious or material environmental harm caused or threatened in the course of an activity (whether or not notified under section 83 of the *Environment Protection Act 1993*)?

NO
- b) details of site contamination notified to the EPA under section 83A of the *Environment Protection Act 1993*?

NO
- c) a copy of a report of an environmental assessment (whether prepared by the EPA or some other person or body and whether or not required under legislation) that forms part of the information required to be recorded in the public register?

NO
- d) a copy of a site contamination audit report?

NO

- | | |
|---|----|
| e) details of an agreement for the exclusion or limitation of liability for site contamination to which section 103E of the <i>Environment Protection Act 1993</i> applies? | NO |
| f) details of an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| g) details of an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| h) details of a notification under section 103Z(1) of the <i>Environment Protection Act 1993</i> relating to the commencement of a site contamination audit? | NO |
| i) details of a notification under section 103Z(2) of the <i>Environment Protection Act 1993</i> relating to the termination before completion of a site contamination audit? | NO |
| j) details of records, held by the former <i>South Australian Waste Management Commission</i> under the repealed <i>Waste Management Act 1987</i> , of waste (within the meaning of that Act) having been deposited on the land between 1 January 1983 and 30 April 1995? | NO |

5) Pollution and site contamination on the land - other details held by EPA

Does the EPA hold any of the following details in relation to the land or part of the land:

- | | |
|---|----|
| a) a copy of a report known as a "Health Commission Report" prepared by or on behalf of the <i>South Australian Health Commission</i> (under the repealed <i>South Australian Health Commission Act 1976</i>)? | NO |
| b) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site contamination assessment proposal under section 103I of the <i>Environment Protection Act 1993</i> ? | NO |
| c) details (which may include a report of an environmental assessment) relevant to an agreement entered into with the EPA relating to an approved voluntary site remediation proposal under section 103K of the <i>Environment Protection Act 1993</i> ? | NO |
| d) a copy of a pre-1 July 2009 site audit report? | NO |
| e) details relating to the termination before completion of a pre-1 July 2009 site audit? | NO |

All care and diligence has been taken to access the above information from available records. Historical records provided to the EPA concerning matters arising prior to 1 May 1995 are limited and may not be accurate or complete and therefore the EPA cannot confirm the accuracy of the historical information provided.

A handwritten signature in black ink, consisting of stylized initials followed by a horizontal line.

Delegate for
ENVIRONMENT PROTECTION AUTHORITY

Appendix D: Dial Before You Dig Plans



Notes: Catholic Church Road Mintaro
SA Power Networks

Seq No:	34019021
Date:	5/16/2014
Enquiries:	1300 884 037
Fax:	08 7003 1117
Hours:	8:00am - 4:30pm
dialbeforeyoudig@sawater.com.au	

SOUTH AUSTRALIAN WATER CORPORATION

Dial Before You Dig Cover Sheet

To:	Australian Water Environments	Phone No:	0883788000
Attention:	Miss Felicity Ginnivan	Mobile No:	Not Supplied
Address:	Unit 1 198 Greenhill Road	Fax No:	0883578988
Suburb:	Eastwood 5063 SA		
Email:	felicityginnivan@austwaterenv.com.au		

Dial Before You Dig Request Details

Address:	Catholic Church Road	Suburb:	Mintaro
Side of Street:		Intersection:	
Distance:			
Activity Code:	14	Activity Description:	Horizontal Boring
Map Type:	Satopo	Map Ref:	6630G3
GPS X Coord:		GPS Y Coord:	
Private/Road/Both:	Private	Traffic Affected:	False
Notification No:	7422574		
Message:	Not Supplied		

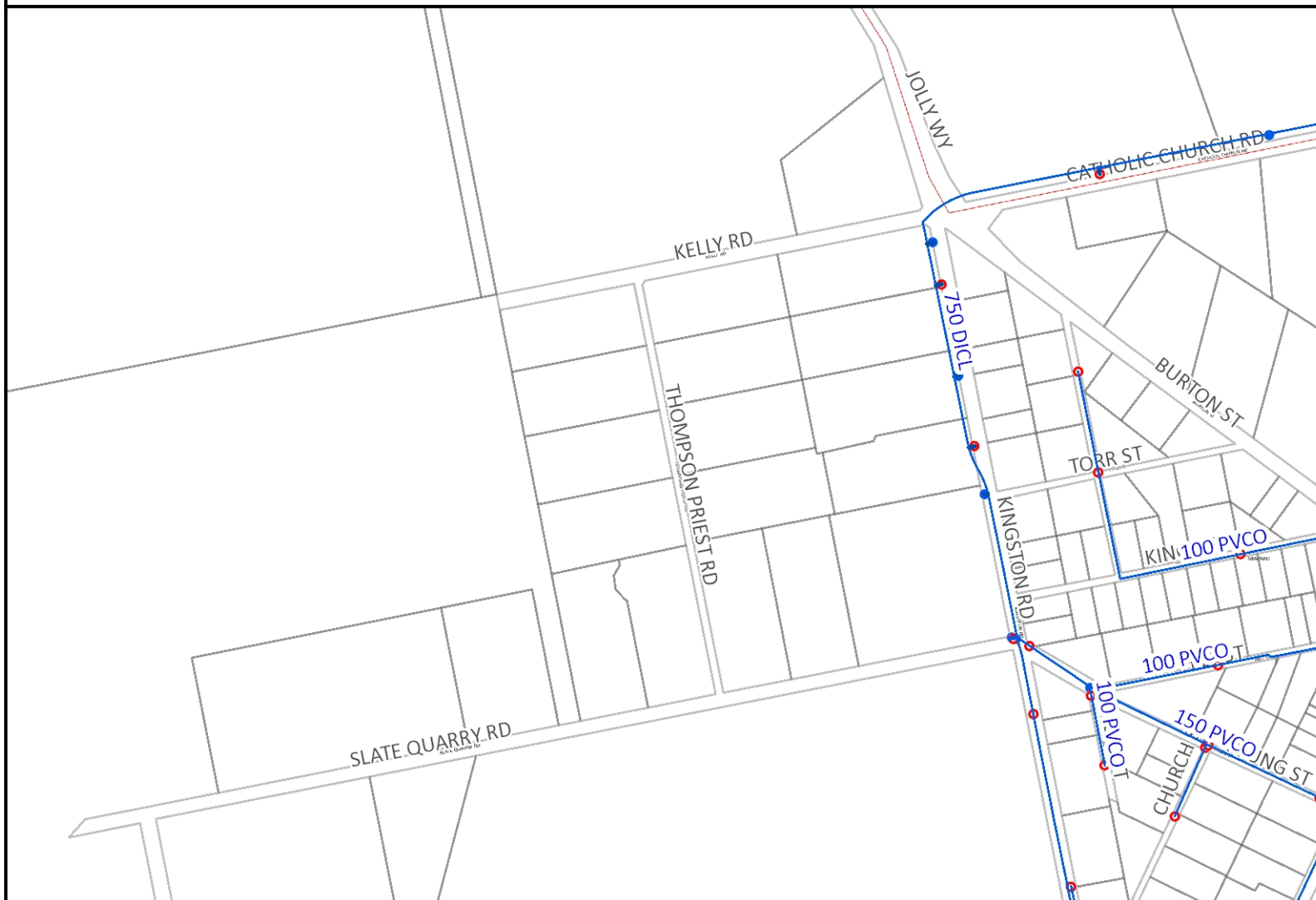
SA Water Comments

Please find attached your Dial Before You Dig map request results.

Number of Pages including this one:5

This advice and/or information is given for your private use only. The accuracy of the advice and information is not guaranteed and no responsibility is accepted by the Crown, the South Australian Water Corporation or their officers, agents or servants for any loss or damage caused by reliance upon this advice and/or information, as a result of any error, omission, misdescription or misstatement therein whether caused by negligence or otherwise.

The information contained in this message may be confidential and may also be subject of legal, professional or public interest immunity. If you are not the intended recipient any use, disclosure or copying of this document is unauthorised. If you have received this message in error, please contact the above named person.



Enquiries: 1300 650 950

Facsimile: (08) 7003 3329

DIAL.BEFORE.YOU.DIG@sawater.com.au

- ▲ CP Test Points
- CP Transformer Rectifiers
- ▲ CP Insulated Joints
- CP Anodes
- CP Anode Bed Outlines
- × CP Anode Beds
- CP Anode Cables
- CP Cathode Cables
- CP Electricity Supply Cables
- Water Main Labels
- Water Mains
 - Potable System
 - Non-Potable System
 - Non-Potable System (Raw Water)
 - Potability Not Allocated
 - ... Private Ownership
- Water Mains Planning
 - ... Water Mains Planning
- Water Hydrants
 - Water Hydrants
 - Water Pillar Hydrants
- Water Valves
 - Locked
 - Not locked
- Water Meters - Master
 - Ⓜ Water Meters - Master
- Water Mains (Decommissioned)
 - Water Mains (Decommissioned)
- Water Valves (Decommissioned)
 - Water Valves (Decommissioned)



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- × CP Anode Beds
- CP Anode Cables
- CP Cathode Cables
- CP Electricity Supply Cables
- Wastewater Gravity Labels
- Wastewater Pumping Labels
- Wastewater Low Pressure Labels
- Wastewater Vacuum Labels
- Wastewater Gravity Mains
- Wastewater Vacuum Mains
- Wastewater Pumping Mains
- Standard
- Sludge
- Effluent Outfall
- Wastewater Low Pressure
- Wastewater Ancillary Pipes
- Wastewater Mains Planning
- Wastewater Maintenance Hole
- Wastewater Maintenance Shaft
- Wastewater Inspection Opening



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- ▲ CP Insulated Joints
- CP Anodes
- CP Anode Bed Outlines
- × CP Anode Beds
- CP Anode Cables
- CP Cathode Cables
- CP Electricity Supply Cables
- Recycled Water Main Labels
- Recycled Water Mains
- In Service Mains
- Abandoned
- Abandoned and Replaced
- Recycled Water Mains Planning
- Recycled Water Valves
- River Murray
- Inland Water
- SA Water Regions
- Land Parcels
- Street Labels
- SA Water Depots
- Streets Labels
- Operational Areas
- Railway



Enquiries: 1300 650 950

Facsimile: (08) 7003 3329

DIAL.BEFORE.YOU.DIG@sawater.com.au

- ▲ CP Test Points
- CP Transformer Rectifiers
- ▲ CP Insulated Joints
- CP Anodes
- CP Anode Bed Outlines
- × CP Anode Beds
- CP Anode Cables
- CP Cathode Cables
- CP Electricity Supply Cables
- Salt Interception Main Labels
- Salt Interception Mains
- Salt Interception Valves
- Salt Interception Pumps
- ✕ Salt Interception Attachments
- Ⓜ Salt Interception Meters
- Salt Interception Junctions
- ⊗ Salt Interception Production Bores
- ⊗ Salt Interception Observation Bores
- Salt Interception Consumer Elec. Main
- River Murray
- Inland Water
- SA Water Regions
- Land Parcels
- Street Labels
- SA Water Depots

DUTY OF CARE

TELSTRA CORPORATION ACN 051 775 556

IMPORTANT:

Please read and understand all the information and disclaimers provided below.

Sketches and Plans provided by Telstra are circuit diagrams only and indicate the presence of telecommunications plant in the general vicinity of the geographical area shown; exact ground cover and alignments cannot be given with any certainty and cover may alter over time. Telecommunications plant seldom follow straight lines and careful on site investigation is essential to uncover and reveal its exact position.

Due to the nature of Telstra plant and the age of some cables and records, it is impossible to ascertain the location of all Telstra plant. The accuracy and/or completeness of the information cannot be guaranteed and, accordingly Telstra plans are intended to be indicative only.

"DUTY OF CARE"

When working in the vicinity of telecommunications plant you have a legal "Duty of Care" that must be observed.

It is the responsibility of the owner and any consultant engaged by the owner, including an architect, consulting engineer, developer, and head contractor to design for minimal impact and protection of Telstra plant. Telstra will provide plans and sketches showing the presence of its network to assist at this design stage.

It is the owner's (or constructor's) responsibility to:-

- a) request plans of Telstra plant for a particular location at a reasonable time before construction begins. If you have any doubts as to the exact location of Telstra Plant, we strongly recommend that you engage an Accredited Plant Locator in your area;
- b) visually locate Telstra plant by hand digging or using non destructive water jet method (pot holing) where construction activities may damage or interfere with Telstra plant (see "Essential Precautions and Approach Distances" section for more information); and
- c) contact Telstra's **Plan Services** (see below for details) if Telstra plant is wholly or partly located near planned construction activities.

DAMAGE TO TELSTRA'S NETWORK MUST BE REPORTED TO 132203 IMMEDIATELY.

The owner is responsible for all plant damage when works commence prior to obtaining Telstra plans, or failure to follow agreed instructions.

Telstra reserves all rights to recover compensation for loss or damage to its cable network or other property including consequential losses.

Important note: *The construction of Telstra's network dates back over many years. Some of Telstra's pits and ducts were manufactured from asbestos-containing cement. You must take care in conducting any works in the vicinity of Telstra's pits and ducts. You must refrain from in any way disturbing or damaging Telstra's network infrastructure when conducting your works. We recommend that before you conduct any works in the vicinity of Telstra infrastructure that you ensure your processes and procedures eliminate any possibility of disturbing, damaging or interfering in any way with Telstra's infrastructure. Your processes and procedures should incorporate appropriate measures having regard to the nature of this risk.*

EMERGENCY SITUATIONS - RECEIVING TELSTRA PLANS

Telstra's automated mapping system will provide a fast response for emergency situations. (faster than an operator can provide manually). Automated responses are normally available 24/7.

To receive a fast automated response from Telstra your request must -

- be a web request lodged at DBYD (www.1100.com.au) The request will be then forwarded directly to Telstra.
- contain your email address so you can receive the automated email response.
- be for the purposes of 'mechanical excavation' or other ground breaking DBYD activity. (requests with activity types conveyancing, planning & design or other non digging activities may not be responded to until the next business day).
- be for an area less than 350 metres in size to obtain a PDF map. (over 350 metres will default to DWF due to size)
- be for an area less than 2500 metres in size to obtain a DWF map

NATURAL DISASTERS

Natural Disasters include (amongst other things) earthquakes, cyclones, floods and tsunamis.

In the case of such events, urgent requests for plans or information relating to the location of Telstra network can be made directly to Telstra Network Integrity Team Managers as follows:

NSW – John McInerney 0419 485 795

QLD – Glenn Swift 0419 660 174

VIC/TAS - David Povazan 0417 300 947

SA/NT - Mick Weaver 0419 828 703

WA - Angus Beresford-Peirse 0419 123 589

TELSTRA PLAN SERVICES

For all Telstra DBYD (Dial Before You Dig) map enquiries please contact Telstra Plan Services

email - Telstra.Plans@team.telstra.com

phone - **1800 653 935** (for urgent, onsite or optic fibre enquiries)

Please note - to make an enquiry the plans must be current (within 60 days of issue). If your plans have expired you will need to submit a new request via DBYD.

ASSET RELOCATIONS

You are not permitted to relocate or alter any Telstra assets or network under any circumstance.

For all enquiries relating to the relocation of Telstra assets please phone

1800 810 443 or email F1102490@team.telstra.com

DATA EXTRACTION FEES

In some instances a data extraction fee may be applicable for the supply of Telstra information. Typically a data extraction fee may apply to large projects, requests to be supplied in non standard formats, excessive hardcopy printing or requests for non digging purposes. Further details can be obtained by contacting Telstra Plan Services.

PRIVACY NOTE

Your information has been provided to Telstra by DBYD to enable Telstra to respond to your DBYD request. Telstra keeps your information in accordance with its privacy statement entitled "Protecting Your Privacy" which can be obtained from Telstra either by calling 1800 039 059 or visiting our website at www.telstra.com.au/privacy

CONCERNING TELSTRA PLANS:

Please note the following:

- For plans of Telstra locations contact **Dial Before You Dig** at least 2 business days prior to digging. (www.1100.com.au)
- Fast response can be provided by Telstra if an email address is supplied. (if posted, this may take up to one week or longer to receive plans)
- Telstra plans and information provided are **valid for 60 days** from the date of issue.
- Telstra owns and retains the copyright in all plans and details provided in conjunction with the applicant's request. The applicant is authorised to use the plans and details only for the purpose indicated in the applicant's request. The applicant must not use the plans or details for any other purpose. The plans and details should be disposed of by shredding or any other secure disposal method after use.
- Telstra plans or other details are provided only for the use of the applicant, its servants, or agents. **The applicant may not give the plans or details to other parties, and may not generate profit from commercialising the plans or details.**
- Please contact Telstra **Plan Services** (see above for details) immediately should you locate Telstra assets not indicated on these plans.
- Telstra, its servants or agents shall not be liable for any loss or damage caused or occasioned by the use of plans and or details so supplied to the applicant, its servants and agents, and the applicant agrees to indemnify Telstra against any claim or demand for any such loss or damage.

Please ensure Telstra plans and information provided remains on-site at all times throughout your construction phase.

ESSENTIAL PRECAUTIONS and APPROACH DISTANCES:

NOTE: If the following clearances cannot be maintained, please contact Telstra Plan Services (see above for details) for advice on how best to resolve this situation.

1. On receipt of plans and sketches and before commencing excavation work or similar activities near Telstra's plant, **carefully locate this plant first** to avoid damage. Undertake prior manual exposure such as potholing when intending to excavate or work **closer** to Telstra plant than the following approach distances.

Where Telstra's plant is in an area where road and footpaths are well defined by kerbs or other features a minimum clear distance of 600mm must be maintained from where it could be reasonably presumed that plant would reside.

In non established or unformed reserves and terrain, this approach distance must be at least 1.5 metres.

In country/rural areas which may have wider variations in reasonably presumed plant presence, the following minimum approach distances apply:

- a) Parallel to major plant: 10 metres (for IEN, optic fibre and copper cable over 300 pairs)
- b) Parallel to other plant: 5 metres

NOTE: Even manual pot-holing needs to be undertaken with extreme care, commonsense and employing techniques least likely to damage cables. For example, orientate shovel blades and trowels parallel to the cable rather than digging across the cable.

If construction work is parallel to Telstra plant, then careful hand digging or using non destructive water jet method (pot-holing) at least every 5m is required to establish the location of all plant, hence confirming nominal locations before work can commence.

2. Maintain the following minimum clearance between construction activity and **actual location** of Telstra Plant.

Jackhammers/Pneumatic Breakers	<i>Not within 1.0m of actual location.</i>
Vibrating Plate or Wacker Packer Compactor	<i>Not within 0.5m of Telstra ducts. 300mm compact clearance cover before compactor can be used across Telstra ducts.</i>
Boring Equipment (in-line, horizontal and vertical)	<i>Not within 2.0m of actual location. Constructor to hand dig or use non-destructive water jet method (pot-hole) and expose plant.</i>
Heavy Vehicle Traffic (over 3 tonnes)	<i>Not to be driven across Telstra ducts (or plant) with less than 600mm cover. Constructor to check depth via hand digging.</i>
Mechanical Excavators, Farm ploughing and Tree Removal	<i>Not within 1.0m of actual location. Constructor to hand dig or use non-destructive water jet method (pot-hole) and expose plant.</i>

All Telstra pits and manholes should be a minimum of 1.2m in from the back of kerb after the completion of your work.

All Telstra conduit should have the following minimum depth of cover after the completion of your work:-

Footway 450mm

Roadway 450mm at drain invert and 600mm at road centre crown

For clearance distances relating to Telstra pillars, cabinets and RIMs/RCMs please contact Telstra Plan Services (see above for details).

FURTHER ASSISTANCE:

Assistance can be obtained by contacting Telstra Plan Services

Where on-site location is provided, the owner is responsible for all hand digging or use non-destructive water jet method (pot-holing) to visually locate and expose Telstra plant.

If plant location plans or visual location of Telstra plant by digging reveals that the location of Telstra plant is situated wholly or partly where the owner plans to work, then Telstra's Network Integrity Group must be contacted through Telstra Plan Services to discuss possible engineering solutions.

NOTE:

If Telstra relocation or protection works are part of the agreed solution, then payment to Telstra for the cost of this work shall be the responsibility of the principal developer or constructor. The principal developer or constructor will be required to provide Telstra with the details of their proposed work showing how Telstra's plant is to be accommodated and these details must be approved by the Regional Network Integrity Manager prior to the commencement of site works.

RURAL LANDOWNERS


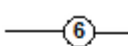

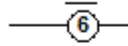

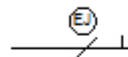
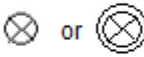
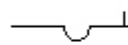

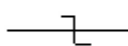

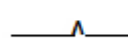



Where Telstra owned cable crosses agricultural land, Telstra may provide a once-off free on-site electronic cable location. The Telstra Plan Services operator will provide assistance in determining whether a free on-site location is required.

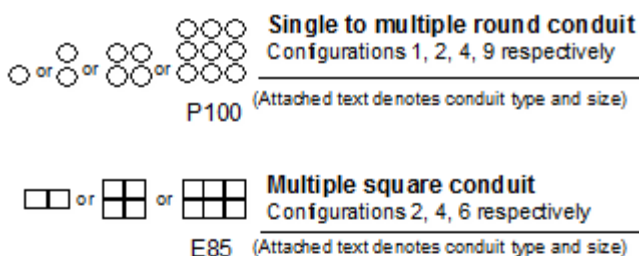
Please note:

- The exact location, including depth of cables can only be verified by pot holing, which is not covered by this service.
- This service is only available to assist private rural land owners.
- This service covers one hour on-site only. Additional time can be purchased directly from the Accredited Plant Locator.

For further information including terms and conditions, please contact Plan Services on **1800 653 935**.

LEGEND

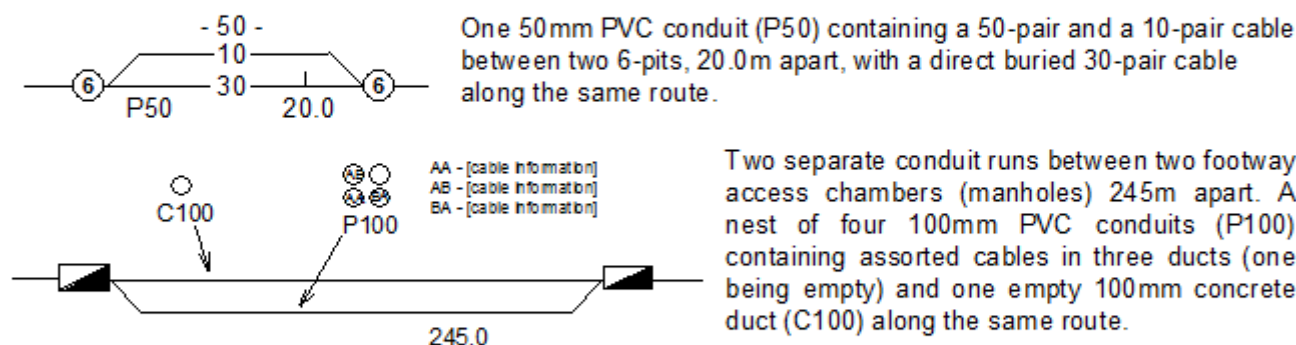
	Exchange (major cable present)		Cable jointing pit (number indicating pit type)
	Footway access chamber (can vary from 1-lid to 12-lid)		Buried cable jointing pit (number indicating pit type)
	Roadway access chamber		Elevated cable joint (above ground joint on buried cable)
	Pillar/cabinet (above the ground / free standing)		Cable loop (direct buried)
	Above ground complex equipment housing (eg RIM) Please Note: This equipment is powered by 240V electricity.		Telstra Plant in shared utility trench
	Public telephone Please Note: This equipment is powered by 240V electricity.		Aerial Cable (above ground)
	Direct buried cable		Aerial Cable (attached to joint use pole e.g. power)
			Optical fibre cable direct buried



Some examples of conduit type and size:
A - Asbestos cement, P - PVC / plastic, C - Concrete, GI - Galvanised iron, E - Earthenware.
Conduit sizes *nominally* range from 20mm to 100mm.

P50	50mm PVC conduit
P100	100mm PVC conduit
A100	100mm asbestos cement conduit
E 85	85mm square earthenware conduit

Some examples of how to read Telstra plans:



WARNING: 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 customer 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 its location.

Telstra will seek compensation for damages caused to its property and losses caused to Telstra and its customers.

ELECTRONIC PLANS - PDF AND DWF MAPS

If you have received Telstra maps via email you will have received the maps as either a PDF file (for smaller areas) or DWF file (for larger area requests). If you are unable to launch any one of the softcopy files for viewing and printing, you may need to download and install one or more of the free viewing and printing products such as Adobe Acrobat Reader (for PDF files) or Autodesk Design Review (for DWF files) available from the internet.

PDF files

PDF is the default softcopy format for all requests for areas up to approx *350m in length. (*depends on geographic location of request). The PDF file is formatted to A3 portrait sheet however it can be printed on any size sheet including from A4 to AO, either as the full sheet or selected areas to suit needs and legibility. (to print a selected area zoom up and print "current view"). If there are multiple layers of Telstra network you may receive up to 2 sheets in the single PDF file attachment supplied. There are three types or layers of network normally recorded - local network, mains cables or a combined layer of local and mains (usually displayed in rural or semi rural areas). If mains cable network is present in addition to local cables (i.e. as separate layer in a particular area), the mains will be shown on a separate sheet. The mains cable information should be read in conjunction with the local cable information.

DWF files

This is the default softcopy format for all requests for areas that are over 350m in length. Maximum length for a DWF automated response is approx 2500m - depending on geographic location of request (manually-processed plans may provide larger coverage). The DWF files differ from PDF in that DWF are vector files made up of layers that can be turned on or off and are not formatted to a specific sheet size. This makes them ideal for larger areas and for transmitting over email etc.

How to view Telstra DWF files -

Telstra DWF files come with all layers turned on. You may need to turn individual layers on or off for viewing and printing clarity. Individual layer names are CC (main cable/conduit), DA (distribution or local area network) and sometimes a combined layer - CAC. Layer details can be viewed by either picking off the side menu or by selecting 'window' then 'layers' off the top menu bar. Use 'layers' to turn individual layers off or on. (double click or right click on layer icon.)

How to print Telstra DWF files -

DWF files can be printed on any size sheet. They can be printed in their entirety or by selected areas of interest. Some DWF coverage areas are large and are not suited to printing legibly on a single A4 sheet - you may need several prints if you only have an A4 printer. Alternatively, an A3, A1 or larger printer could be used. To print, zoom in or out and then, by changing the 'print range' settings, you can print what is displayed on your screen to suit your paper size. If you only have a small printer, e.g. A4, you may need to zoom until the text is legible on your screen for it to be legible on the print. (which is why you may need several prints). To print what is displayed on your screen the 'view' setting should be changed from 'full page' to 'current view'. The 'current sheet' setting should also be selected. You may need to print layers separately for clarity and legibility. (details above on how to turn layers on or off)

How to change the background colour from white to black (when viewing) Telstra DWF files -

If using Autodesk Design Review the background colour can be changed by selecting "Tools" then "options" then "sheet". Tick the box "override published paper colors" and select the colour required using the tab provided.

Telstra Automated Mapping System

Telstra provides an automated plan response for the majority of DBYD requests received.

Requestors must supply a current email address on their request to DBYD and must also be able to accept a standard format of PDF or DWF. An automated response can be provided much faster than the alternative of a mailed hardcopy, and can avoid unnecessary delays in waiting for plans to arrive. Being softcopy, it can easily be sent directly to a worksite and can be available 7 days a week. The automated system can be configured for individual requestors to receive either PDF/DWF (where small requests are PDF and larger requests are DWF) or, alternatively, all in DWF (both small and large requests). Please contact Plan Services for further details or to have your preferences updated. Please note that all requests over *350m (approx.) in size can only be supplied in DWF format and there are size limits on what can be provided. (* actual size depends on geographic location of requested area)

ACCREDITED PLANT LOCATORS (For your area)

On-site assistance should be sought from an **Accredited Plant Locator** (Telstra accredited), if the telecommunications plant cannot be located within 2.5 metres of the locations indicated on the drawings provided.

On-site advice should be obtained from the Telstra Accredited Plant Locator who is highly skilled in locating Telstra plant. In the case where Telstra plant is outside a recognised road reserve Telstra recommends that Telstra Plan Services are contacted for assistance prior to engaging an Accredited Plant Locator.

Telstra does not permit external parties (non-Telstra) to conduct work on our network. Only Telstra staff or Telstra contractors that are correctly accredited are allowed to work on or enter our manholes, pits, ducts, cables etc.

Please note it is a criminal offence under the *Criminal Code Act 1995 (Cth)* to tamper or interfere with communication facilities owned by a carrier. Heavy penalties may apply for breach of this prohibition, and any damages suffered, or costs incurred by Telstra as a result of any such unauthorised works may be claimed against you.

Should your projects require Telstra network location, any asset plant locator that is used **MUST** be Telstra accredited to be able to access and locate Telstra network. (a list of which is provided with the Dial Before You Dig plans). A Telstra Accredited Plant Locator must have a current identification card issued by Telstra.

For the assistance of customers an accredited Asset Plant Locator can perform any of the following activities if requested to do so by the owner:

- review Telstra's plans to assess the approximate location of Telstra plant;
- advise owners of the approximate location of Telstra plant according to the plans;
- advise owners of the best method for locating Telstra plant;
- advise owners of the hazards of unqualified persons attempting to find the exact location of Telstra plant and working in the vicinity of Telstra plant without first locating its exact position; and
- perform trial hole explorations by hand digging (pot-holing) to expose Telstra plant with a high degree of skill, competence and efficiency and utilising all necessary safety equipment.

A list of Accredited Plant Locators operating in your area is attached. Accredited Plant Locators are certified by Telstra to perform the tasks listed above. Owners may engage Accredited Plant Locators to perform these services, however Telstra does not give any warranty in relation to these services that Accredited Plant Locators are competent or experienced to perform any other services.

The attached list provides the names and contact details for Accredited Plant Locators who service your area and can provide you with assistance in locating Telstra plant on site. These organisations have been able to satisfy Telstra that they have a sound knowledge of telecommunications plant and its sensitivity to disturbance; appropriate equipment for locating telecommunications plant and competent personnel who are able to interpret telecommunications plans and sketches and understand safety issues relevant to working around telecommunications plant. They are also able to advise you on the actions which should be taken if the work you propose will/could result in a relocation of the telecommunications plant and/or its means of support.

We recommend that you engage the assistance of one of these Accredited Plant Locators as a step towards discharging your Duty of Care obligations when seeking the location of Telstra's telecommunications plant.

Please Note:

- Optic fibre cable locations must be performed by a locator with Telstra optic fibre cable location accreditation. (not all copper accredited locators have optic fibre accreditation). The locators with additional optic fibre cable location accreditation are indicated by a 'yes' in the column headed 'Fibre' in the lists of locators that are published with the DBYD plans.

- Each Accredited Plant Locator is NOT permitted to provide depth of communications plant unless physically exposed by hand digging.
- The details of any contract, agreement or retainer for site assistance to locate telecommunications plant shall be for you to decide and agree with the organisation engaged. Telstra is not a party to any contract entered into between an owner and an Accredited Plant Locator. The Accredited Plant Locators are able to provide guidance concerning the extent of site investigations required.
- Payment for the site assistance will be your responsibility and payment details should be agreed before the engagement is confirmed.
- Telstra does not accept any liability or responsibility for the performance of or advice given by an Accredited Plant Locator. Accreditation is an initiative taken by Telstra towards the establishment and maintenance of competency standards. However, performance and the advice given will always depend on the nature of the individual engagement.
- Each Accredited Plant Locator has been issued with a certificate which confirms the Accreditation. Every 2 years Telstra will reassess the accreditation and where appropriate will issue a letter confirming the accreditation for the next 2 years. You have the right to request the organisation you engage to show evidence of their ID card.
- Neither the Accredited Plant Locator nor any of its employees are an employee or agent for Telstra and Telstra is not liable for any damage or loss caused by the Accredited Plant Locator or its employees.
- The attached list contains the current names and contact details of Accredited Plant Locators who service your area, however, these details are subject to change.

IDEA FOR CONSIDERATION:

Telstra offer free Cable Awareness Presentations & Advanced Cable Reading Presentations, if you believe you or your company would benefit from this offer please contact Network Integrity on 1800 810 443 or **F1102490@team.telstra.com**

Telstra Accredited Plant Locators - South Australia / Northern Territory.

If a physical location is required please contact a Telstra accredited locator from the list below (fees apply).

*Optic fibre cable locations must be performed by a locator with Telstra optic fibre location accreditation. Locators with Telstra optic fibre cable location accreditation are indicated by a 'yes' in the 'Fibre' column.

Northern Territory

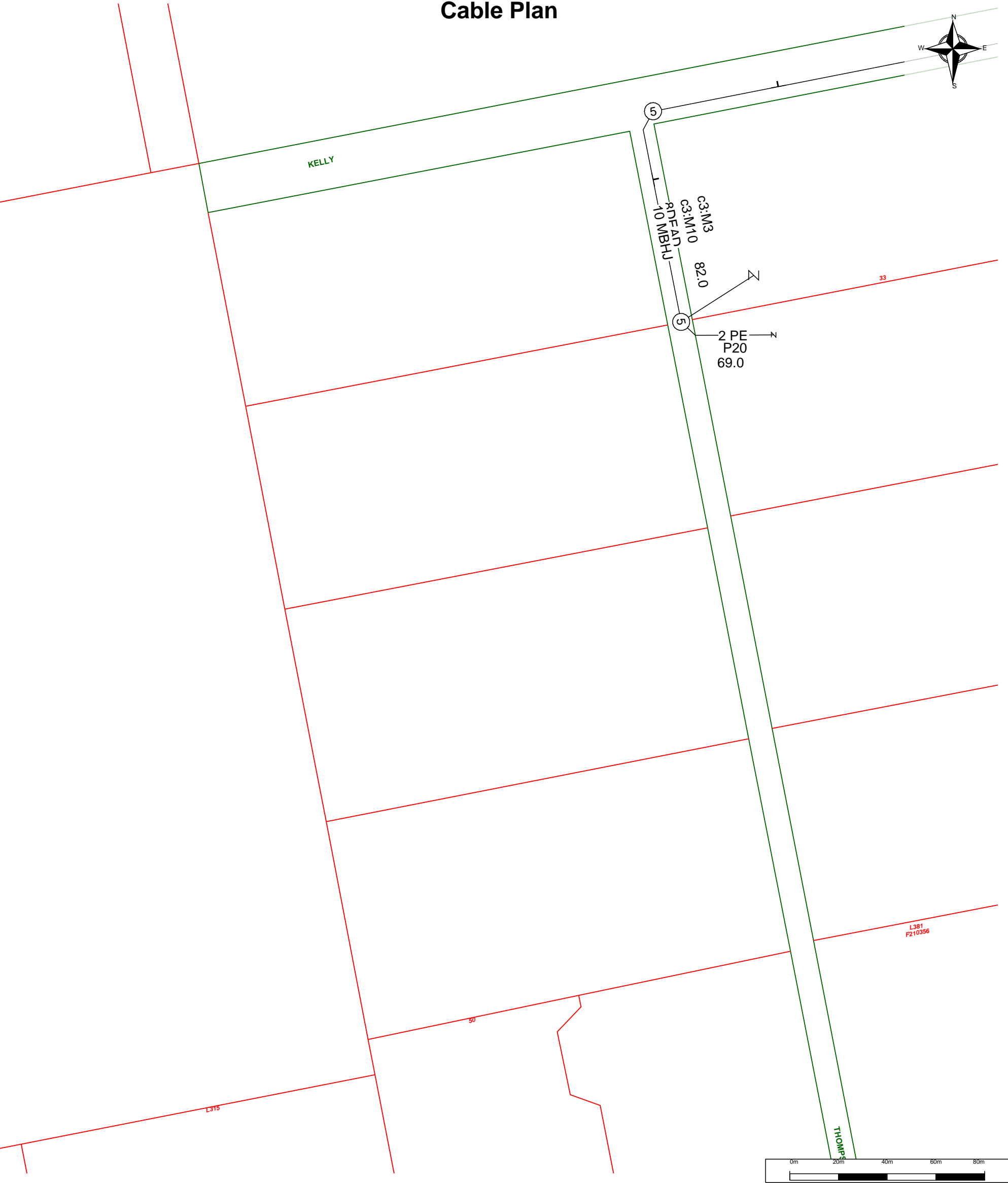
Company name and areas/districts covered	*Fibre	Contact details
AnywAir Pipe & Cable Locators - Winnellie <i>All Of NT, Broome, Kununurra, Kalumburu, Weipa, Normanton, Burketown</i>	Yes	Mob: 0418 890 071
Australian Underground Survey Solutions Pty Ltd - Narre Warren <i>All Areas</i>	No	(03) 9700 2311 or 0419 488 883 Fax: (03) 9314 1568
Danisam Pty Ltd - Parap <i>Covering Northern Territory and the top of WA</i>	Yes	0417 089 865 Fax: 08 89416435
Dig Hard Excavations - Casuarina <i>Remote Communities NT</i>	Yes	0411 591 153 Fax: (08) 8945 0727
iFind PIPES 'N' CABLES PTY LTD - Winellie <i>All of NT</i>	No	0419 612 476 Fax: (08) 8941 2615 k.phelps1970@hotmail.com
Kellercom Pty Ltd - Port Pirie <i>Eyre Peninsula, Yorke Peninsular, Far North, Flinders Ranges, Mid North</i>	Yes	(08) 8632 5123 or 0428 600 077 Fax: (08) 8633 4792
Northern Communication Services - Casuarina	Yes	Mob: 0407 904 319
Pipeline Technology Services - Marleston	No	(08) 8351 7000 or 0419 878 220 Fax:(08) 8159 7537
Subscan - Palmerston <i>Covering Darwin and Remote Areas of the Northern Territory</i>	No	0414 863 874 Fax: (08) 8988 3093
Trenchless Pipelaying Contractors - Plympton	Yes	(08) 8376 5911 or 0418 881 175
Visionstream Australia Pty Ltd - Perth Airport	Yes	(08) 6211 0813 or 0439 799 657 Fax: (08) 6211 0899 Email:nick.jenkins@visionstream.com.au

South Australia

Company name and areas/districts covered	Fibre	Contact details
Accurate Locating Pipes & Cables previously trading under the name of ' State Wide Precise Detection Pipes & Cables' - <i>Barossa Valley</i> <i>Adelaide, Adelaide Hills, Barossa Valley and all regions of SA</i>	No	0407 464 882
Adelaide Hills Pipe & Cable Location - <i>Mt Barker</i> <i>Servicing Adelaide Hills & Regional South Australia</i>	No	0419 822 781
Appcil Pty Ltd - <i>Winkie</i> <i>All Riverland areas of South Australia, plus Upper Mallee, North Western border areas of Vic and South Western NSW</i>	Yes	(08) 8583 7365 or 0439 822 102 Fax: (08) 8583 7356
Australian Underground Survey Solutions Pty Ltd - <i>Narre Warren</i>	No	(03) 9700 2311 or 0419 488 883 Fax: (03) 9314 1568
Baldock Earthmoving - <i>Normanville</i> <i>Covering - South Adelaide Hills, Fleurieu Peninsula</i>	No	(08) 8558 2686 or 0418 857 144 Fax: (08) 8558 2687
Barry Johnstone Locations and Communications - <i>Mt Gambier. South East Of South Australia (Limestone Coast), South West Victoria</i>	Yes	0418 834 804
BRP Products (Aust) Pty Ltd - <i>Thebarton</i> <i>Covering - All of SA</i>	No	(08) 8234 0633 Fax: (08) 8234 0920
Cable Search Services - <i>Echunga</i> <i>Rural Areas of SA excluding Adelaide metro area</i>	Yes	0417 866 121 Fax: (08) 8388 8643
Capogreco Excavations Pty Ltd - <i>Mildura South Mildura, Wentworth, Gol Gol, Dareton, Ouyen, Robinvale, Merbein</i>	No	(03) 5022 2070 or 0428 356 269 Fax (03) 5022 7003
Corny's Cabling & Phones Pty Ltd - <i>Port Lincoln Eyre Peninsula</i>	Yes	0409 814 464
D-TECH Ground and Overhead Services Ptd Ltd - <i>Notting Hill All of Vic</i>	No	0421 697 090 Email: tina@d-tech.net.au
Detect SA Ptd Ltd - <i>Redwood Park All Areas</i>	Yes	0407 649 759 Fax (08) 8264 9759
Dial-A-Trench - <i>Dernan Court</i>	No	0408 804 742
Far West Communication – <i>Broken Hill NSW Areas – Cobar, Menindee, Tibooburra, Ivanhoe & surrounding areas</i> <i>S.A Areas – Eastern Regions of S.A including Mingary and Cockburn</i>	Yes	0439 350 355
Green Triangle Electronics – <i>Mt Gambier South East of South Australia and Western Victoria</i>	No	(08) 8724 2222 Fax: (08) 8723 0249
Independent Locating Services - <i>Meadows</i>	No	0418 812 325 Fax:(08) 8388 3180

Kellercom Pty Ltd - Port Pirie <i>Eyre Peninsula, Yorke Peninsular, Far North, Flinders Ranges, Mid North</i>	Yes	(08) 8632 5123 or 0428 600 703 Fax: (08) 8633 4792
Larsen Electrics - Red Cliffs <i>Mildura & Districts, NSW South, SA</i>	No	(03) 5024 1733 or 0428 385 610 Fax (03) 5024 1170
National Civil & Civic Services – Thebarton <i>All Areas South Eastern SA</i>	Yes	0422 768 660 nathan.smith@naticiv.com.au
P.A Plumbers - Golden Grove	No	(08) 8251 1733 or 0408 442 210 Fax: (08) 8251 1833
P.D Excavations Pty Ltd - Regency Park	No	(08) 8347 0055 or 0408 820 408 Fax: (08) 8347 0150
Pipeline Technology Services - Marlestone	No	(08) 8351 7000 or 0419 878 220 Fax:(08) 8159 7537
Plumbing & Pipeline Solutions (SA) Pty Ltd - Marlestone	Yes	(08) 8297 1000 or 0408 809 928 Fax: (08) 8297 0088
Riverina Horizontal Boring Pty Ltd - Wodonga	No	(02) 6059 1788 or 0419 149 153 Fax: (02) 6059 5090
SADB Directional Boring - Newton	No	(08) 8168 7200 Fax: (08) 8168 7299
Service Locate Pty Ltd – Mawson Lake	No	0424 906 777
Subtrax - Meningie <i>Covering South Australia statewide</i>	Yes	(08) 8575 1434 or 0429 808 850
Sure Search - Walkerville	Yes	0418 896 772 Fax:(08) 8362 1179
T&J Constructions P/L - Greenfields	No	(08) 8182 6989 or 0419 840 218 Fax: (08) 8182 6587
Tatiara Trench Digger & Bobcat Hire - Bordertown <i>Covering districts - Bordertown and surrounding, Naracoote, Kingston, Meningie, Pinnaroo, Keith</i>	Yes	(08) 8752 1197 or 0428 587 596 Fax:(08) 8752 0406
Trenchless Pipelaying Contractors - Plympton <i>Covering all Metropolitan and Country Areas in S.A.</i>	Yes	(08) 8376 5911 or 0409 451 550
Tron Civil Contracting Pty. Ltd –Salisbury South	No	(08) 8281 3860 Fax:(08) 8281 0278
Vac-U-Digga - Lonsdale <i>Adelaide, Port Pirie, Whyalla, Port Augusta, Roxby Downs</i>	No	0447 466 036 or 1300 822 836
Wet Plumbing Service - Park Holme	No	0419 938 938

Cable Plan



For all Telstra DBYD plan enquiries -
email - Telstra.Plans@team.telstra.com
For urgent onsite contact only - ph 1800 653 935 (bus hrs)

TELSTRA CORPORATION LIMITED A.C.N. 051 775 556

Generated On 15/05/2014 11:04:26

Sequence Number: 34019020

Please read Duty of Care prior to any excavating

WARNING - Due to the nature of Telstra underground plant and the age of some cables and records, it is impossible to ascertain the precise location of all Telstra plant from Telstra's plans. The accuracy and/or completeness of the information supplied can not be guaranteed as property boundaries, depths and other natural landscape features may change over time, and accordingly the plans are indicative only. Telstra does not warrant or hold out that its plans are accurate and accepts no responsibility for any inaccuracy shown on the plans.

It is your responsibility to locate Telstra's underground plant by careful hand pot-holing prior to any excavation in the vicinity and to exercise due care during that excavation.

Please read and understand the information supplied in the duty of care statement attached with the Telstra plans. TELSTRA WILL SEEK COMPENSATION FOR LOSS CAUSED BY DAMAGE TO ITS PLANT.

Telstra plans and information supplied are valid for 60 days from the date of issue. If this timeframe has elapsed, please reapply for plans.

Appendix E: Borehole Logs

Unit No.	Logger name	Depth from (m)	Depth to (m)	Lithology code	Description
6630-2030	MAYNARD D J	0	1	CLYU	
6630-2030	MAYNARD D J	1	3	SHLE	
6630-2030	MAYNARD D J	3	37	SHLE	Shale and slate
6630-2871	MAYNARD S	0	1	CLYU	Clay
6630-2871	MAYNARD S	1	53	SLAT	Grey slate
6630-2872	MAYNARD S	0	6	CLYU	Clay
6630-2872	MAYNARD S	6	129	SLAT	Grey slate
6630-3031	MAYNARD S R	0	3	CLYU	Clay and shale
6630-3031	MAYNARD S R	3	8	SHLE	Shale and soft slate
6630-3031	MAYNARD S R	8	45	SLAT	Grey slate with quartz seams

Appendix F: Site Inspection Plates

Clare and Gilbert Valleys Council -Allotments 376 to 379, Mintaro

Plate 1 - Adjacent residential allotments.



Plate 2 -Typical hobby farm allotment.



Plate 3- Evidence of stockpiling of top soil.



Plate 4 - Typical vegetation located between allotment 379 and 378.



Plate 5 - Surface water dam located between allotment 379 and 378.



Plate 6 - Evidence of stockpiling adjacent to dam.



Plate 7 - Evidence of stockpiling and rainwater tank in background.



Plate 8 - Livestock in adjacent property to allotment 376 (southern boundary).



Plate 9- Typical broad acre farming in immediate surrounds.



Plate 10- General grazing and broad acre practices.

