

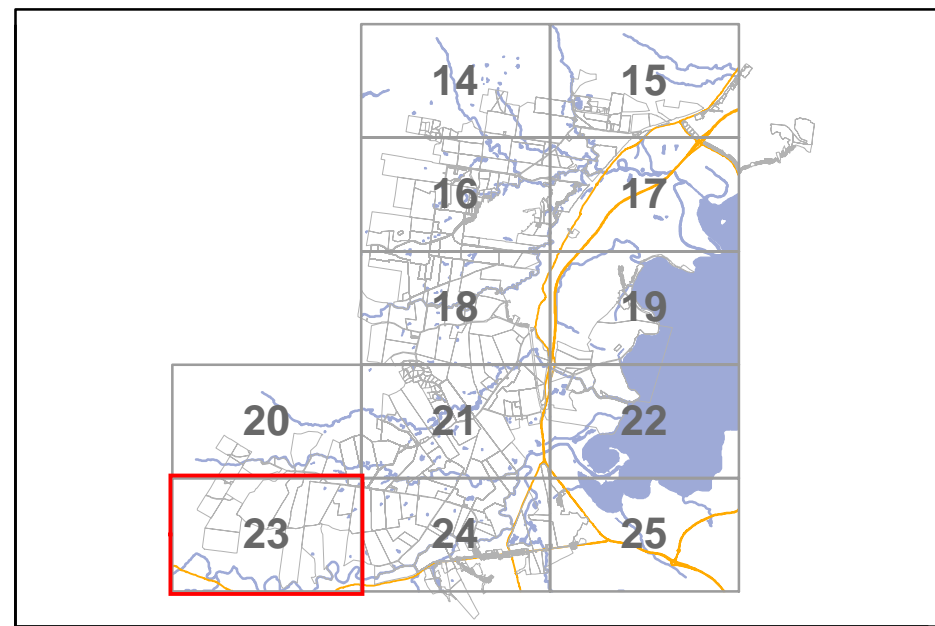











- | | | | |
|---|--|---|---|
| — Water pipeline | — Road | ● Project Approval Area Site | ● Concept Approval Area Site |
| — Wastewater pipeline | Railway | ■ Revised curtilage | ■ Revised curtilage |
| — Water pipeline 25 m buffer | — Waterway | | |
| — Wastewater pipeline 25 m buffer | ● Reservoir | | |
| | ● Pumping station | | |

WEST DAPTO RELEASE AREA
REVISED CURTILAGES IN RELATION TO THE PROPOSED WATER AND WASTEWATER SERVICES
 Source: LPMA (2011)

0 250 500 1000 m

25/07/2012
 60189506



	Water pipeline		Road
	Wastewater pipeline		Railway
	Water pipeline 25 m buffer		Waterway
	Wastewater pipeline 25 m buffer		Reservoir
			Pumping station

Project Approval Area

● Site

■ Revised curtilage

Concept Approval Area

● Site

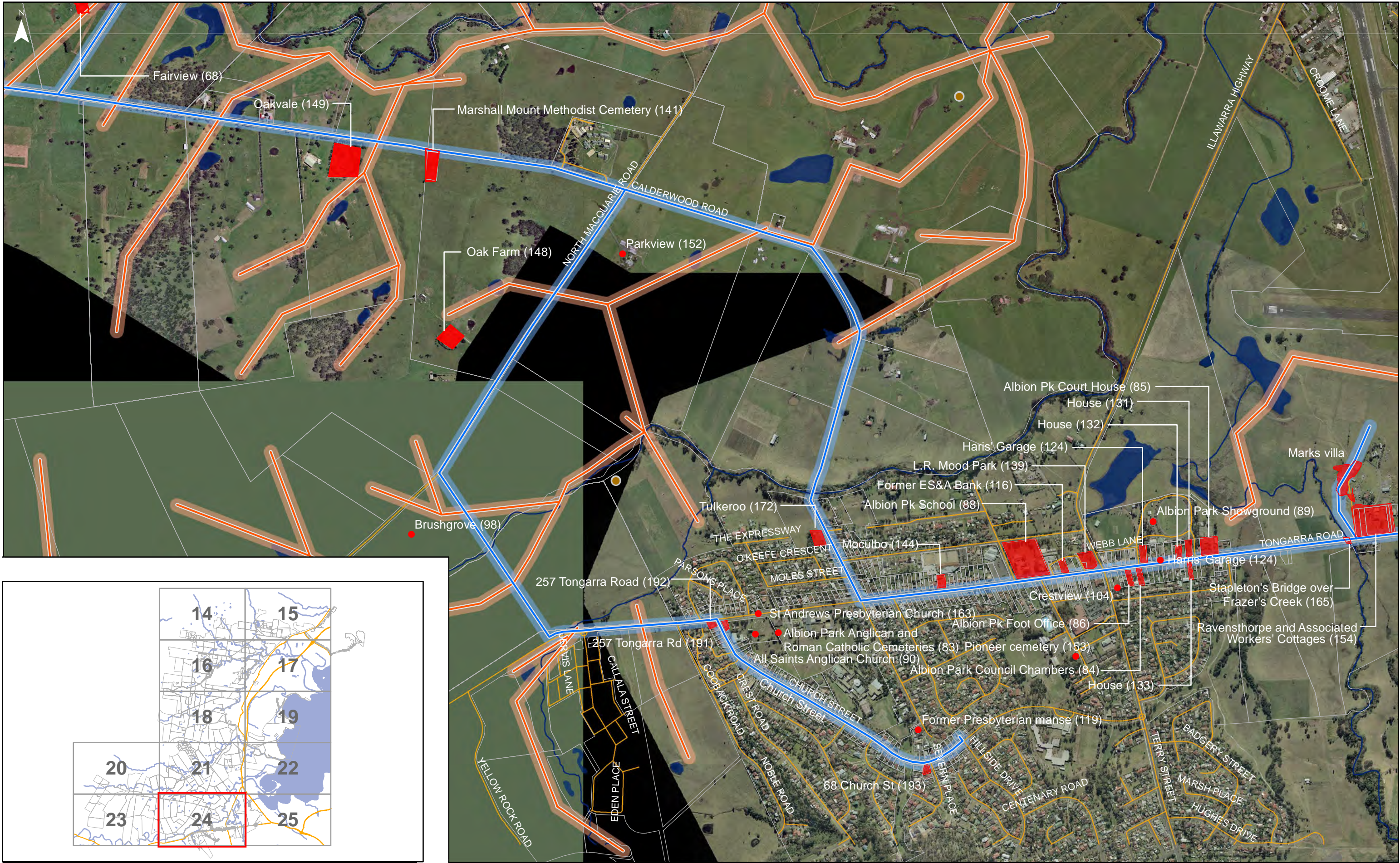
■ Revised curtilage

WEST DAPTO RELEASE AREA

REVISED CURTILAGES IN RELATION TO THE PROPOSED WATER AND WASTEWATER SERVICES

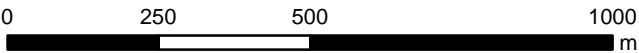
Source: LPMA (2011)





WEST DAPTO RELEASE AREA
REVISED CURTILAGES IN RELATION TO THE PROPOSED WATER AND WASTEWATER SERVICES

Source: LPMA (2011)



25/07/2012
60189506



5.2 Project Approval Area

The following items of known or potential heritage value within the Project Approval Area were identified as potentially being impacted by construction of the proposed water and wastewater pipelines. The Heritage Inventory Sheets for these items can be found in Appendix 2

5.2.1 Kembla Grange Settler's Cemetery (2)

The Cemetery is listed on the 1990 Wollongong LEP. See Figure 3 for location.

ITEM DETAILS							
Name of Item			Kembla Grange Settler's Cemetery (2)				
Other Name/s Former Name/s			NA				
Area, Group, or Collection Name			NA				
Street number			NA				
Street name			Corner of West Dapto and Reddalls Road				
Suburb/town			Dapto			Postcode	2526
Local Government Area/s			Wollongong				
Location - AMG (if no street address)	Zone	56	Easting	28471		Northing	6183398

Table 3 Kembla Grange Settlers Cemetery (2) item details.

Description

The Kembla Grange Settler's Cemetery is overgrown and surrounded by swampy land which is vegetated with reeds. The cemetery is laid out in rows oriented east-west, and the tombstones face east. The two rows of graves closest to Reddalls Road are well formed, however, there is then located a gap and another row to the east – as if there is potential for a row located in between. There is also a gap between a group of graves to the south and north. The graves to the south are interspersed with trees which have been planted in the last twenty years or so. The first row of graves is located 11.5 m from the sealed road surface. There is a Telstra data cable easement along the eastern road edge. The earliest grave sighted during the field inspection dated to 1907. The most recent headstone dates to 1967. The cemetery is closed and does not appear to be visited often, however the monuments are generally in good order and the grounds are partially maintained and are in reasonable condition, although when the site was inspected on the 17th February 2011 the site was relatively overgrown. However, aerial images of the cemetery clearly show the remains of the cemetery layout.



Figure 26 View south of Settlers Cemetery showing typical grave markers and layout of cemetery.

History

The land for the Kembla Grange Old Cemetery was reserved from sale and gazetted as a cemetery (R37438) on 26th March 1904.

Kembla Grange Old Cemetery contains inscriptions dating from 1907 to 1967 so it is presumed burials occurred from c1904 till c1968. It was divided into Anglican, Catholic, Independent, Methodist and Presbyterian portions of which the Presbyterian portion contains the most graves. The number of inscriptions for this cemetery has been identified as being 59 so presumably there are the equivalent numbers of graves.

David Evans (died 5th January 1916, age:74 years) who is buried in the cemetery, played a significant role in the survival of 70 miners who survived the blast at Mount Kembla (on the 31st July, 1902) by leading them out of the mine through a disused tunnel entrance.



Figure 27 Crown Land Plan – Diagram of Cemetery at Kembla Grange, Central Illawarra. N480142038. Department of Lands

The Cemetery was extended to the north on the 26th November 1954 (including the Kembla War Cemetery). In 1968 the existing alignment of Reddalls Road was altered to allow Tubemakers Australia to expand to occupy part of the cemetery. The land was resumed and a new road reserved on the 5th July 1968. The old road alignment was closed on the 6th September 1968. It appears that the new section of Reddalls Road is constructed on an embankment raising the road above the level of the cemetery.



Figure 28 View north of Settlers Cemetery showing road embankment.

Significance Assessment

Criterion a – historical: The Settler’s Cemetery is of local historical significance as a record of those ordinary people who lived in the area and the events that marked their lives, including mining disasters.

Criterion b – associative: The cemetery is of local associative significance for its association with David Evans, a local hero who played a significant role in the rescue of several miners who survived a blast at Mount Kembla mine.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item holds some social significance on a local level as it has a special association with the community of Mount Kembla and the local area as a place of internment.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

The Kembla Settlers’ Cemetery is of historical significance on a local level as it provides a historical record of ordinary people who lived in the area in the early to mid twentieth century, including David Evans, who rescued many people during the Kembla Mine explosion of 1902.

The cemetery is also the burial site of several local residents, including one 17 year old who died at Wongawilli Mine. The cemetery thus encompasses a wide social demographic representing the area in the early twentieth century. The site is also of social significance due to its special association with the local community of the Mount Kembla region. The site also possesses some historical association significance on a local level, due to the presence of mine rescue hero David Evans.

IMPACT AND RECOMMENDATIONS	
Impact	<p>A water pipeline is identified as being constructed along Reddalls Road. The first two rows of graves are within 25m of the boundary of Reddalls Road. These are within the Anglican and Presbyterian sections of the cemetery.</p> <p>The major concern is whether construction on either side of the road will impact on known or unknown burials. A problem with cemeteries is the presence of graves that lack markers (whether by accident or design) which render them almost invisible on the ground surface. The first line of evidence that can be used to answer this question is the extent of the graves shown on the aerial images of the site on the 2nd November 1951. This shows that the visible grave markers are orientated along the main north-south axis of the main drive in the cemetery. Thus it seems likely that the land Tubemakers acquired was considered to be vacant at the time it was resumed and sold. However this impression is based on surface grave markers visible on aerial images only. It was common for suicides and paupers to be buried outside the fence.</p> <p>It is therefore impossible to definitively state that the construction of the water pipeline would not impact on any sub-surface graves, although it should be possible to avoid known existing graves.</p>
Recommendations	<p>The first management option is to avoid the impact by rerouting the water pipeline although it is recognised that this may not be possible.</p> <p>If rerouting is not an option then it is recommended that Sydney Water commission a more detailed archaeological assessment of the land impacted by construction of the pipeline. This assessment should involve the following tasks:</p> <ul style="list-style-type: none"> • Detailed historical research for any plans of interments at the Cemetery. There is likely to be some correspondence regarding Tubemakers expansion. • A remote sensing survey along the route to identify the possibility of sub-surface graves being located during construction. • Development of appropriate management options (likely to be either excavation underneath any possible grave locations or salvage and reburial of interred bodies) • An application for appropriate permits from the Heritage Branch Department of Planning (either a Section 139a or Section 140 permit) • A program of community consultation is undertaken in order that the community has the opportunity to understand the proposed works and comment on them to ensure that the burials are treated in an ethical and respectful manner in accordance with Anglican and Presbyterian beliefs. • It is relevant to note that if burials are encountered and or need to be exhumed then there are statutory requirements in addition to any heritage requirements – these are partially covered in the NSW Health Policy Directive: Burials – Exhumation of Human Remains (2008). Any exhumation would need to cover the whole burial. <p>Management of the existing graves monuments during construction would require the following works:</p> <ul style="list-style-type: none"> • The location of all known graves and the alignment of the internal cemetery roads within 15 m of the pipe alignment be marked on all plans of the work in this area as items of heritage significance so as to avoid inadvertent disturbance. • Site facilities such as toilets and work sheds be placed to avoid disturbance to graves and to avoid offence (e.g. no toilets within the cemetery) • Temporary fencing of the graves by a parra-webbing fence running parallel to Reddalls Road in this section to avoid accidental damage by machinery • All contractors and sub-contractors and Sydney water staff should be briefed on the potential of the area to contain human burials and the procedures (including respectful treatment of human remains and grave sites) to be followed. <p>Provisions for briefing of personnel and for the mitigation works outlined above should be incorporated in any environmental or construction planning for the project such as Environmental Management Plans.</p> <p>Sydney Water should undertake a program of specific community consultation in order that the community has the opportunity to understand the proposed works and comment on them to ensure that the burials are treated in an ethical and respectful manner in accordance with Anglican and Presbyterian beliefs. This would avoid unnecessary community concern about possible disturbance of graves.</p>

Table 4 Kembla Grange Settlers Cemetery (2) potential impacts and management recommendations.

5.2.2 West Dapto Public School (10)

West Dapto Public School is listed on the Wollongong 1990 LEP. See Figure 2 for location.

ITEM DETAILS						
Name of Item	West Dapto Public School (10)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	150					
Street name	Sheaffes Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	295593	Northing	6183225

Table 5 West Dapto Public School (10) item details.

Description

Comprises two main components – a schoolmaster's residence to the east and the school buildings to the west. Both buildings are constructed of sandstone with skillion roofs of corrugated iron. The residence has a verandah on the southern and western elevations. Modern buildings have been inserted at the rear of the property, as has a fenced playground.



Figure 29 West Dapto Public School. The school building is on the left and the school master's residence on the right. The proposed pipeline route is to the right of the image on the right hand side of the vegetation lining the fence. View north north west

History

Built on land originally granted to William Keevers in 1832; it was bought by George McPhail, who donated one acre for the construction of a school. The school was built in 1882, opening in 1883 and remaining in operation until 1972. It is now a pre-school.

Significance Assessment

Criterion a – historical: West Dapto Public School is of local historical significance for demonstrating the pattern of development in the Illawarra. It was common for locals to donate land for the establishment of a school.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons important in state or local history.

Criterion c – aesthetic: This item is of local aesthetic significance as well maintained and well presented school buildings.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as is not rare.

Criterion g – representative: West Dapto Public School is of local representative significance as an excellent example of a school and associated residence.

Statement of Significance

West Dapto Public School is of local historical, aesthetic and representative significance. It demonstrates the pattern of settlement in the Illawarra and the efforts to educate the growing population in the region. The buildings are of aesthetic significance, being built of attractive sandstone and well-maintained. The School is an excellent representative example of a 1880s rural school and associated residence.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed to be constructed along the eastern boundary of the West Dapto Public School. The heritage items may be subject indirect vibration impacts during construction.
Recommendations	Vibration impacts to the West Dapto Public School are anticipated. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.

Table 6 West Dapto Public School (10) potential impacts and management recommendations

5.2.3 Glen Ayr (11)

Glen Ayr is listed on the Wollongong 1990 LEP. See Figure 2 for location.

ITEM DETAILS					
Name of Item	Glen Ayr (11)				
Other Name/s Former Name/s	NA				
Area, Group, or Collection Name	NA				
Street number	167				
Street name	Sheaffes Road				
Suburb/town	Dapto			Postcode	2530
Local Government Area/s	Wollongong				
Location - AMG (if no street address)	Zone	56	Easting	295332	Northing 6183135

Table 7 Glen Ayr (11) item details.

Description

“Glen Ayr” (also Glen Ayre) homestead is a simple inter-war period bungalow, uncommon for this period in the region. The homestead consists of a well-maintained timber weatherboard house with brick chimneys, a corrugated metal roof and a distinctive corner bay window. A series of sheds and outbuildings were located to the north and west of the homestead but are no longer visible. Former cow stalls were present, but have since collapsed.

The house is surrounded by a simple, rectangular garden protected by a wire fence. Early vegetation is present, including a cypress hedge, large mature fig trees to the west of the house, river oaks and indigenous vegetation. A tennis court is located to the east of the homestead.

History

‘Glen Ayr’ is located within Portion 43 of original grant of James Fraser, who was given 100 acres in c.1832. This homestead was constructed c.1922 by a member of the Smith family, who also owned the property next door. ‘Glen Ayr’ was developed as a dairy farm. It operated as stables and a saddler until 1981.



Figure 30 Glen Ayr house, view south south west

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it not important to the cultural history of the local area.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons important in state or local history.

Criterion c – aesthetic: This item is of local aesthetic significance as a well maintained and well presented inter-war bungalow.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item is of local significance as a rare example in the area of an inter-war bungalow.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

“Glen Ayr” homestead is of local significance for its representative and rarity values. It is a simple inter-war period bungalow, uncommon of this period in the region. It is a good example of an early twentieth century farmhouse associated with dairying in the Dapto region, which was a significant industry in the development and history of the area.

IMPACT AND RECOMMENDATIONS	
Impact	A wastewater pipeline is proposed to be constructed between a creek and the homestead building on the western side of the site. Based on the plans it seems the pipeline would be about 10m west of the homestead and outbuildings. The heritage item may be subject indirect vibration impacts during construction.
Recommendations	Vibration impacts to Glen Ayr are anticipated. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.

Table 8 Glen Ayr (11) potential impacts and management recommendations

5.2.4 Moreton Bay Figs (17a)

This item is not listed on a heritage schedule. HLA mistakenly recorded this as the Moreton Bay Fig listed on the 1990 Wollongong LEP. The record in Section 5.2.5 is the item listed on the LEP. See Figure 3 for location.

ITEM DETAILS						
Name of Item	Moreton Bay Figs (17a)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	West Dapto Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	297769	Northing	6183384

Table 9 Moreton Bay Figs (17a) item details.

Description

The site consists of two Moreton Bay Fig Trees set between 23 and 26 m from the boundary fence. The Figs are in poor condition, are losing limbs and have minimal foliage. No archaeological features were identified during the field survey, however ground visibility was at 0%.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Significance Assessment

The Fig Trees, as identified by HLA, does not meet the significance threshold by its self, however, in conjunction with the newly identified potential archaeological site (New Archaeological Site – J Barretts Farm (184) it has the potential to reveal details regarding the construction, operation and subsequent abandonment of this forgotten Public House.

RECOMMENDATIONS	
Impacts	A water pipeline is proposed to be constructed along West Dapto Road in this area. It is possible that construction work may impact on Site 17a by disturbing the roots of the figs or by requiring their removal.
Recommendations	<p>The trees themselves are not of heritage value, however, they do mark the potential site of New Archaeological Site 3 – Potential Remains of J Barretts Farm (184). It is therefore recommended that the area be avoided and the pipelines located within the road reserve. If this is not practicable the following management is recommended:</p> <ul style="list-style-type: none"> Align pipes 15 m from the fig tree trunks. If this is not possible it is recommended an arborist is consulted regarding the health of the trees and the best way to proceed; Develop a clearer understanding of the archaeological potential of the site by undertaking the following: <ul style="list-style-type: none"> Vegetation removal to allow for a more detailed visual inspection A remote sensing survey along the route to identify the possibility of sub-surface remains of the buildings being located during construction Development of appropriate management options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work)

Table 10 Moreton Bay Figs (17a) potential impacts and management recommendations

5.2.5 Moreton Bay Fig (17b)

The Moreton Bay Fig is listed on the 2010 Wollongong LEP. See Figure 3 for location.

Name of Item	Moreton Bay Fig (17b)						
Other Name/s Former Name/s	NA						
Area, Group, or Collection Name	NA						
Street number	NA						
Street name	West Dapto Road						
Suburb/town	Kembla Grange				Postcode	2526	
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone	56	Easting	297605		Northing	6183590

Table 11 Moreton Bay Figs (17b) item details.

Description

The site consists of an exceedingly large Moreton Bay Fig on the south eastern bend of West Dapto Road. During field survey it was not possible to survey underneath or around the tree due to impenetrable vegetation. The trunk is located 15 m from the boundary fence.



Figure 33 View of Moreton Bay Fig Tree

History

The Kembla Parish Plan for 1889 indicates a 'Cottage' (Site 185) in the vicinity of the Moreton Bay Fig. At this stage no further details are available regarding the extent or use of the structure.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: The Moreton Bay Fig is of local aesthetic value as a dominant feature in the landscape and as a fine example of the tree type, which enhances the local scenery.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Significance Assessment

The Fig Tree is of local aesthetic significance as a landmark that adds to the local scenery. The associated potential archaeological site (Cottage – 185) is also of local significance for its potential to inform regarding the construction, operation and subsequent abandonment of a forgotten structure.

IMPACT AND RECOMMENDATIONS	
Impact	It is possible that construction work may have an impact on Moreton Bay Fig (17b) by disturbing its roots or by requiring its removal. Root disturbance may lead to a reduction in the lifespan of the tree. The death or removal of the tree will obliterate the Fig's heritage significance.
Recommendations	<p>The tree is of local significance and listed on the 2010 Wollongong LEP. It is therefore recommended that impact be avoided. The tree also marks the potential site of New Archaeological Site 4 – Cottage (185). It is therefore, on this second count, recommended that the area be avoided and the pipelines located within the road reserve. If this is not practicable the following management is recommended:</p> <ul style="list-style-type: none"> Align pipes 10 m from the fig tree canopy. If this is not possible it is recommended an arborist is consulted regarding the health of the trees and the best way to proceed: <ul style="list-style-type: none"> Develop a clearer understanding of the archaeological potential of the site by undertaking the following: <ul style="list-style-type: none"> Vegetation removal to allow for a more detailed visual inspection A remote sensing survey along the route to identify the possibility of sub-surface remains of the buildings being located during construction Development of appropriate management options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work).

Table 12 Moreton Bay Fig (17b) potential impacts and management recommendations

5.2.6 Brisbane Grove House and Dairy (18)

Brisbane Grove is listed on the 2010 Wollongong LEP. See Figure 4 for location.

ITEM DETAILS					
Name of Item	"Brisbane Grove" Homestead, Garden and Dairy (18)				
Other Name/s Former Name/s	NA				
Area, Group, or Collection Name	NA				
Street number	206				
Street name	West Dapto Road				
Suburb/town	West Dapto			Postcode	2530
Local Government Area/s	Wollongong				
Location - AMG (if no street address)	Zone	56	Easting	295212	Northing 6182376

Table 13 Brisbane Grove House and Dairy (18) item details.

Description

The site comprises the original homestead, garden, dairy outbuildings and a modern house. The original homestead is located behind the modern house and is a single storey building with a hipped roof and verandah at the front and rear elevations. The homestead was most likely constructed from timber and has since been altered with fibro extensions on three sides for the addition of a laundry and to enclose and extend the internal living space. The roof is the only remaining externally readable heritage feature. The homestead faces away from West Dapto Road and has extensive views of the escarpment.

On the right of the homestead there are several small citrus plantings and a European Beech Tree. A large mature Moreton Bay Fig tree is situated between the original homestead and the modern house. A row of Poplars line the entrance to the property.

Several dairy outbuildings provide a representation of traditional dairy featuring a timber milking shed, washroom, concrete drainage platform, separator and washroom, bailing area, stock and holding yards. The outbuildings consist of corrugated iron, weatherboard and Besser block extension as well as a new shed and silo. The property includes a complete cattle run which appears to still be in use but not on a day to day basis.



Figure 34 Brisbane Grove House – front elevation. View south west

History

There are few historical records available. The design of the building indicates that it was constructed in the late 1800s. Early photographs show the homestead with a simple picket fence. The property was formerly owned by five generations of the Smith family.

Significance Assessment

Criterion a – historical: This item is of local historical significance as it is an example of a late nineteenth century rural homestead and associated dairy buildings, which provide a representation of a traditional dairy, including a timber milking shed, washroom, concrete drainage platform, separator and washroom, bailing area, stock and holding yards.

Criterion b – associative: This item is of local significance for its association with the Smith family – a prominent local family, other branches of which built and/or occupied Coral Vale and Glen Ayr.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical achievement.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item is of local historical significance as it is an example of a late nineteenth century rural homestead and associated dairy buildings, which provide a representation of a traditional dairy, including a timber milking shed, washroom, concrete drainage platform, separator and washroom, bailing area, stock and holding yards.

IMPACT AND RECOMMENDATIONS	
Impacts	<p>A water pipeline and wastewater pipe are proposed to be constructed along West Dapto Road however the older and heritage listed buildings are over 70m from the boundary so the construction of these lines will have no impact on heritage values.</p> <p>A wastewater pipeline is proposed to branch from West Dapto Road and run along the western side of the buildings. Construction of this may result in the demolition of some farm buildings including the old dairy buildings. The original homestead will be just within 25m of the wastewater pipeline route.</p>
Recommendations	<p>The first and preferred option is to move the wastewater pipeline 25m to the north west (parallel to its current proposed route) to avoid impacts on the farm outbuildings.</p> <p>If the outbuildings are to be demolished then they are of sufficient heritage significance to justify an archival recording being made of the building using the guidelines <i>How to prepare Archival Recording of Heritage Items</i> issued by the New South Wales Heritage Office in 1998. The requirements for items of Local Significance and for items involving Industrial Archaeological Evidence should be followed.</p> <p>Vibration impacts to Brisbane Grove are anticipated. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.</p>

Table 14 Brisbane Grove House and Dairy (18) potential impacts and management recommendations

5.2.7 Derelict House (19)

The Derelict House is not listed on a heritage schedule. See Figure 3 for location.

ITEM DETAILS					
Name of Item	Derelict House (19)				
Other Name/s Former Name/s	NA				
Area, Group, or Collection Name	NA				
Street number	NA				
Street name	West Dapto Road				
Suburb/town	Dapto			Postcode	2530
Local Government Area/s	Wollongong				
Location - AMG (if no street address)	Zone	56	Easting	297769	Northing 6183384

Table 15 Derelict House (19) item details.

Description

The site comprises a derelict homestead, remnant gardens and outbuildings. The house is situated at road level approximately 50-60 m from West Dapto Road. The house is an L shaped, single storey weatherboard house with a corrugated iron hipped roof and front verandah. The homestead has five main rooms and although deteriorating, has original features including timber architrave, decorative pressed ceilings, timber panelled doors and brick fireplaces and chimneys (indicative of c. 1880s). The homestead is surrounded by dense lantana and rubbish, however there is evidence of a previous garden containing small shrubs, geranium plantings and a Flame Tree. A mature Moreton Bay Fig Tree is situated to the north of the homestead.

There are several small iron and timber sheds, a container from a truck, two water tanks and a garage amongst the overgrown lantana. Of note is a large timber shed containing an extensive line of intact original timber feed troughs and pens, most likely relating to a former piggery. A Telstra service cable is just within the property boundary, disturbing the archaeological integrity of the boundary.



Figure 35 House (19), view west showing distance from road

History

No specific historical information is available at this time.

Significance Assessment

Criterion a – historical: This item is historically significant as it provides a record of ordinary residents who lived in the Dapto area from the mid-nineteenth century through to the present day.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or group.

Criterion e – technical: The Derelict House is of local research significance as the potential archaeological deposits associated with the structures have the potential to shed light on the lifeways of rural residents of the Illawarra.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

The Derelict House is of local significance for its historical and research values. The House provides a record of the pattern of settlement in the Illawarra and has the potential, through the associated archaeological deposits, to shed light on the lifeways of early residents.

IMPACT AND RECOMMENDATIONS	
Impact	Will not be impacted as is well beyond 25m from the property boundary on West Dapto Road
Recommendations	No management is required as the site will not be impacted

Table 16 Derelict House (19) Impacts and Recommendations

5.2.8 West Dapto Catholic Cemetery (20)

The Cemetery is listed on the 1990 Wollongong LEP. See Figure 3 for location.

ITEM DETAILS						
Name of Item	West Dapto Catholic Cemetery (20)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	West Dapto Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	297374	Northing	6183298

Table 17 West Dapto Catholic Cemetery (20) item details.

Description

West Dapto Catholic Cemetery is a well maintained cemetery. The fenced cemetery area is 70m from the property boundary fence. The cemetery is divided into two main sections by a grass path. The 'right' section is more sparsely populated and features earlier dated headstones. The site is bounded by a wire and timber fence and mature eucalypts. Entrance is via a decorative (c.1940s) metal gate. Unusually, the headstones face west, except for a single row at the rear of the cemetery, which face east.



Figure 36 West Dapto Catholic Cemetery (20)

History

The earliest grave sighted during the field inspection dated to 1869. The most recent grave sighted dates to 2010.

The Kembla Parish Map of 1889 indicates that there was formerly a Roman Catholic Chapel in the vicinity of the Cemetery. The Chapel appears to have been located between the Cemetery and the Road.

No further historical information is available at this time.

Significance Assessment

Criterion a – historical: This item is historically significant as it provides a record of ordinary residents who lived in the Dapto area from the mid-nineteenth century through to the present day.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item is of social significance due to its strong and special association with the community of Dapto and the surrounding area.

Criterion e – technical: This item is of local research significance for its potential to retain archaeological features and/or deposits associated with the Roman Catholic Chapel indicated on the 1889 Kembla Parish Map.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

West Dapto Catholic Cemetery is of local historical significance as it provides a record of ordinary residents who lived in the Dapto area from the mid-nineteenth century through to the present day. This item is also of social significance due to its strong and special association with the community of Dapto and the surrounding area.

IMPACT AND RECOMMENDATIONS	
Impact	Water pipeline and wastewater pipes are proposed to be constructed along West Dapto Road, which may impact on the archaeological site of the former Roman Catholic Chapel. As the burials are set 70 m from the boundary fence, they are unlikely to be impacted by the concept.
Recommendations	<p>It is recommended that the area be avoided and the pipelines located within the road reserve to avoid impacting the potential site of the former Chapel. If this is not practicable the following management is recommended:</p> <ul style="list-style-type: none">• Develop a clearer understanding of the archaeological potential of the site by undertaking the following:• Vegetation removal to allow for a more detailed visual inspection• A remote sensing survey along the route to identify the possibility of sub-surface remains of the buildings being located during construction• Development of appropriate management options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work). <p>It is also recommended that Sydney Water undertake specific consultation with the Catholic community to explain the project and to assure the community that there will be no heritage impacts on the internments.</p>

Table 18 West Dapto Catholic Cemetery (20) Impact and Recommendations

5.2.9 House (21)

This item is not listed on a heritage list. See Figure 3 for location.

ITEM DETAILS						
Name of Item	House (21)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	206					
Street name	West Dapto Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	295183	Northing	6182184

Table 19 House (21) item details.

Description

The house (c. 1940s) is situated 12 m from the property boundary, just to the south of a 90° bend and faces south east. The house is of timber weatherboard with leadlight windows in the front room. These appear to be original. The front facade is L shaped and in-filled with a verandah supported by brick posts.

There is a partially dismantled garage to the west of the house. An assortment of other outbuildings surround the house. To the north east, near the Concrete Bridge (22) two railway sleepers have been reused to create gateposts. The House is also associated with the Derelict House (19) and may have been constructed as a replacement.



Figure 37 206 West Dapto Road, front elevation, view north north west

History

No historical information is available at this time.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history. There is insufficient information available to determine the

significance of the item under this criterion. However, the lack of readily available information indicated that the item is unlikely to have significance under this criterion or is significant at a local level

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history. There is insufficient information available to determine the significance of the item under this criterion. However, the lack of readily available information indicated that the item is unlikely to have significance under this criterion or is significant at a local level

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group. There is insufficient information available to determine the significance of the item under this criterion. However, the lack of readily available information indicated that the item is unlikely to have significance under this criterion or is significant at a local level

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Significance Assessment

This item does not meet the significance threshold, requiring it to be listed on an LEP heritage schedule or its retention. It is, however, of historical interest, which can be managed through archival recording prior to removal, should this be required.

RECOMMENDATIONS	
Impact	A water pipeline is proposed to be construction along West Dapto Road. Depending on which side of Dapto Road it is constructed there will be either be indirect vibration impacts or potentially a direct impact, requiring removal of the house and adjacent tin shed.
Recommendations	<p>First management option is to minimise the impact by ensuring that the water pipeline is located on the south eastern side of the road or is located within the current road reserve.</p> <p>If the house is to be demolished then it is of sufficient heritage significance to justify an archival recording be made of the building using the guidelines <i>How to prepare Archival Recording of Heritage Items</i> issued by the New South Wales Heritage Office in 1998. The requirements for items of Local Significance should be followed.</p> <p>The tin shed can be removed without any further recording.</p> <p>If the House is to remain, vibration impacts are anticipated. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.</p>

Table 20 House (21) Impact and Recommendations

5.2.10 Concrete Bridge – West Dapto Rd (22a)

This item is not listed on a heritage list. See Figure 3 for location.

ITEM DETAILS						
Name of Item	Concrete Bridge (22)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	West Dapto Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	295172	Northing	6183267

Table 21 Concrete Bridge West Dapto Road (22a) item details.

Description

This item consists of a small reinforced concrete bridge, dating to c. 1920, which is located on West Dapto Road as it crosses a tributary of Robins Creek. The bridge is constructed from concrete supports and base with steel railings supported by four concrete pillars. The field inspection conducted in February 2011 revealed that since 2005, when it was originally recorded by HLA, it appears that the road has been raised and new steel guard rails erected. An earlier railing is still evident on the southern side but has been removed from the north. A sewer rising main is located on the southern side of the bridge.



Figure 38 Concrete Bridge off West Dapto Road

History

This bridge is an intact example of the use of reinforced concrete and steel in the early twentieth century, which rapidly superseded the use of timber at the end of World War 1. This bridge most likely replaced an earlier, less stable timber bridge.

Significance Assessment

Criterion a – historical: This item is of some local historical significance as it is evidence of an important development in the course of history in the local area, as it provides an intact

example of the use of reinforced concrete and steel in the early twentieth century, which rapidly superseded the use of timber at the end of World War 1.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information which could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item is of local representative significance as it provides evidence of the use of reinforced concrete and steel in the early twentieth century, which rapidly superseded the use of timber at the end of World War 1 in the Dapto area.

Statement of Significance

This item is of local historical and representative significance as it provides evidence of an important development in the course of history in the local Dapto area, as it is an intact example of the use of reinforced concrete and steel in the early nineteenth century, which rapidly superseded the use of timber throughout Australia at the end of World War 1.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed to be constructed along West Dapto Road. Impacts will depend on how the pipeline is to cross the creek. If it crosses on a separate structure there will be no impact as the visual curtilage is not of significance. If it crosses by bolting it to the bridge then the impact on this item will be minimal and no further work will be required.
Recommendations	It is not listed and not a relic so no further heritage consideration is necessary as the bridge is of a standard design and is not of heritage significance.

Table 22 Concrete Bridge West Dapto Road (22a) Impact and Recommendations

5.2.11 Concrete Bridge – West Dapto Rd (22b)

This item is not listed on a heritage list. See Figure 5 for location.

Name of Item	Concrete Bridge West Dapto Road (22b)						
Other Name/s Former Name/s	NA						
Area, Group, or Collection Name	NA						
Street number	NA						
Street name	West Dapto Road						
Suburb/town	West Dapto				Postcode	2530	
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone		Easting	297562	Northing	6183593	

Table 23 Concrete Bridge West Dapto Road (22b) item details.

Description

Concrete bridge topped with latter steel guard rails. Original section appears to be formed poured on site. Later pre-fabricated additions on either side. Two steel water mains adjacent to Southern side of bridge.



Figure 39 Concrete bridge (22b), view south

History

No historical information regarding the bridge is available at this time.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed to be constructed along West Dapto Road. Impacts will depend on how the pipeline is to cross the creek. If it crosses on a separate structure there will be no impact as the visual curtilage is not of significance. If it crosses on by bolting it to the bridge then the impact on this item will be minimal and no further work will be required
Recommendations	This item is not of heritage significance and does not require heritage mitigation measures

Table 24 Concrete Bridge West Dapto Road (22b) Impact and Recommendations

5.2.12 Fence – West Dapto Road (23)

This item is not listed on a heritage schedule. See Figure 3 for location.

This item is not listed on a heritage schedule. See Figure 6 for location.

ITEM DETAILS						
Name of Item	Fence – West Dapto Road (23)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	West Dapto Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	295593	Northing	6183225

Table 25 Fence – West Dapto Road (23) item details

Description

This item consists of an extensive section of early remnant post and rail fencing located along West Dapto Road, running parallel to two significant mature fig trees (Refer to Mature Fig Trees 17a). It was recorded by HLA as featuring a small section of early post and rail fencing which remains from a previous extensive property boundary. Intact morticed wooden fence posts with holes measuring approximately 20cm high by 10cm wide are present. Three rows of barbed wire replaces original timber rails. Some posts have been replaced with star pickets.

A field inspection in February 2011 identified no immediate evidence of former rails from early post and rail fencing as recorded by HLA. The gate is marked as an access point for Integral Energy. The twin fig trees are also in poor condition.



Figure 40 Fence, view west

History

Typically the post and rail fence is recorded as the oldest style of fencing in common use in Australia until being replaced by the more cost effective wire fence from the 1850s and 1860s (Pickard 1998). It is however likely that the use of post and rail continued during the early 20th century. Historical photographs of West Dapto Road dating to c.1938-1940 show extensive alignments of post and rail fencing.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed to be constructed along West Dapto Road in this area. It is possible that construction work may require the removal of the fence
Recommendations	The fence is no impediment on heritage grounds. No management is required

Table 26 West Dapto Road (23) Impact and Recommendations

5.2.13 Modern House and Farm Buildings (24a)

This item is not listed on a heritage schedule. See Figure 4 for location.

This form is not to be filled out for a Heritage Council. See Figure 1 for location.

ITEM DETAILS						
Name of Item	Modern House and Farm Buildings					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	West Dapto					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	294665	Northing	6182634

Table 27 Modern House and Farm Buildings (24a) item details

Description

This item comprises a modern c.1980s/90s house constructed of plastic weatherboard, a stockyard and sheds. It is unclear why this item was identified by HLA.

History

No historical information is available at this time.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed to run on a south west-north east axis across the farm just to the north west of the modern house. A wastewater pipeline is proposed to run down the creek valley immediately north of the buildings. There will be no impact on items of heritage significance
Recommendations	No recommendations required as the item is not considered to be of heritage significance

Table 28 Modern House and Farm Buildings (24a) Impact and Recommendations

5.2.14 Modern House and Farm Buildings (24b)

This item is not listed on a heritage schedule. See Figure 4 for location.

ITEM DETAILS						
Name of Item	Modern House and Farm Buildings No. 24b					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	West Dapto Road					
Suburb/town	West Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	296252	Northing	6182804

Table 29 Modern House and Farm Buildings (24b) item details

Description

This item comprises a modern c.1990 brick house set over 300 m from the Road. A collection of c.1980s farm buildings are located approximately 40 m from the road. It is unclear why this item was identified by AMBS, but was probably a mis-identification of the 24a.



Figure 41 Farm Building, approximately 40m from the road.

History

No historical information is available at this time.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline runs through the derelict farm buildings and is likely to result in their demolition.
Recommendations	No recommendations are required as the item is not considered to be of heritage significance

Table 30 Modern House and Farm Buildings (24b) Impact and Recommendations

5.2.15 Wongawilli Village (26&27)

The Wongawilli Community Hall, the Mine Managers Residence and Tennis Court and the Former Anglican Church are listed on the 2010 West Dapto LEP as individual items. The remainder of the Village is not listed. See Figure 4 for location.

ITEM DETAILS						
Name of Item	Wongawilli Village (26 & 27)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Wongawilli Road					
Suburb/town	Wongawilli				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	294142 294742	Northing	6182603 6182509

Table 31 Wongawilli Village (26&27) item details

Description

Wongawilli Village comprises a collection of houses which were built to service the mine. All of the houses display different architectural styles and periods of construction. The structures in the village are generally set 5m from the boundary fence. The local church is set back 20m from the property boundary. The distance between the boundary fence and the sealed road is 9.7m, and the distance from the boundary fence to culverts is 7.6m.



Figure 42 Wongawilli Community Hall.

History

A survey for the subdivision of a village on the southern side of Wongawilli Road was undertaken in 1934 and the allotments created in 1936. The lots were based on a standard 19.1m frontage with a depth of 70m, over twice the size of lots used in common subdivision. The subdivision layout consisted of a unique linear group of single storey structures in a single line along Wongawilli Road. A number of community facilities were established within the subdivision, including a public school built in 1927 and a church previously erected in 1917 near the coke ovens was also moved to the village in 1933. Electricity was supplied to the houses from the mine in 1937 by steel poles positioned along the rear of each lot. A Post Office and shop opened between 1941-1950 and in 1950-1952 a Community Hall was constructed by volunteers on land supplied by the mine.

Significance Assessment

Criterion a – historical: This item is of local historical significance as it demonstrates the evolution and expansion of mining in Wongawilli through the gradual construction of the town and the slow process of developing from an impermanent, ephemeral town to a permanent place of residence.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of significance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item is of social significance on a local level due to its strong enduring association with the community of Wongawilli.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to an understanding of state or local cultural history.

Criterion f – rarity: This item is of local significance as a rare example of a mine town developed over a period of time and demonstrating a variety of styles. Mine towns were more usually built within a short space of time and were of similar architectural styles, if not identical.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

The Wongawilli Village is of local historical significance as it demonstrates the evolution and expansion of mining in Wongawilli through the gradual construction of the town and the slow process of developing from an impermanent, ephemeral town to a permanent place of residence. This is also a rare evolution for a mine town, most being constructed in a short time frame and with similar, if not identical, architectural details. It is also of social significance for its strong association with the local community of Wongawilli.

IMPACT AND RECOMMENDATIONS	
Impact	<p>A water pipeline proposed along Wongawilli Road (a continuation of West Dapto Road) to its junction with Jersey Farm Road. A branch runs along Shone Avenue and another branch runs along Jersey Farm Road.</p> <p>A wastewater pipeline is proposed along Wongawilli Road (a continuation of West Dapto Road) as far west as the Wongawilli Tennis Court</p> <p>There is a very limited space between the drainage culverts along Wongawilli Road and the fences of the properties to the south – the space is typically between 6.5 and 6.8 m between the property boundary and the houses.</p> <p>There is, however, ample space on the northern side of Wongawilli Road, which is currently farmland.</p>
Recommendations	<p>Ideally the best approach would be to construct both pipelines on the northern side of Wongawilli Road as this would have least impact on the heritage items in the area, as there would be no direct impacts to the structures or culverts. Impacts could be limited to vibration.</p> <p>Vibration impacts to Wongawilli Village are anticipated. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.</p>

Table 32 Wongawilli Village (26&27) Impact and Recommendations

5.2.16 Barlyn Homestead (29), Gardens and Dairy (30)

Barlyn Gardens are listed on the 1990 Wollongong LEP. The House and Dairy are not listed. See Figure 5 for location.

ITEM DETAILS						
Name of Item	Barlyn Homestead (29), Gardens and Dairy (30)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	105-109					
Street name	Darkes Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	Homestead: 296988 Gardens/Dairy: 297128	Northin g	Homestead: 6182306 Gardens/Dairy: 6182289

Table 33 Barlyn House, Gardens and Dairy (30) item details

Description

The site comprises a main homestead, garden and dairy outbuildings. The homestead is a single storey weatherboard structure elevated on brick and timber foundations. A wrap around, bull-nose, corrugated iron verandah features on the front and eastern elevations. The western elevation is enclosed in part in fibro. There are two formal entrances to the homestead, on the front and

eastern elevations, with concrete steps and decorative balustrades. Access to the homestead, via an original track, is no longer visible.

The garden, although overgrown, maintains much of the original ornamental plantings including palm trees, conifers, on either side of the front entrance, mature fig trees, pepper trees and citrus plantings. Original sandstone garden edging is visible at the front entrance and outlines the remnants of a path to the eastern entrance. The homestead and garden is enclosed in part by chicken wire and timber fencing on the rear and western elevations and part by an original staggered brick fence around the front and eastern elevations.

The dairy is intact and retains its original layout. Structures include a reinforced concrete silo, stockyard, holding yards, concrete drainage area, brick milking shed with c. 1940s equipment, open feed shed with mesh troughs for hay and associated timber and corrugated iron sheds.



Figure 43 Barlyn dairy buildings. View south east

History

No historical details are available at this time.

Significance Assessment

Criterion a – historical: This item is of local historical significance as it is an intact example of a rural residence, garden and dairy typical of the area dating from the twentieth century. Dairying was an important activity in the development and history of the local area throughout the nineteenth and twentieth centuries.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with a person or persons of importance in state or local history.

Criterion c – aesthetic: This item is of local aesthetic significance as an intact historical garden.

Criterion d – social: This item does not meet this criterion as it does not have a known strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: The garden is of local representative significance as it is a good example of an early garden in the area, featuring a number of original ornamental

plantings, including palm trees, conifers on either side of the front entrance, mature figs, pepper trees, and citrus plantings that were typical of those planted within the Dapto region.

Statement of Significance

Barlyn is of local historical significance as it is an intact example of a rural residence, garden and dairy typical of the area dating from the twentieth century. Dairying was an important activity in the development and history of the local area throughout the nineteenth and twentieth centuries. The garden is also of local representative significance as it is a good example of an early garden in the area, featuring a number of original ornamental plantings, including palm trees, conifers on either side of the front entrance, mature figs, pepper trees, and citrus plantings that were typical of those planted within the Dapto region.

IMPACT AND RECOMMENDATIONS	
Impact	<p>A wastewater pipeline is proposed to run along the south west side of Darkes Road and onto the property. The house and garden is over 60m from the route of this pipeline and will not be impacted.</p> <p>The pipeline will run between or through a large galvanised iron shed and a timber building. These buildings do not appear in the 1949 aerial. It is presumed that some of these buildings may have to be removed for the construction the wastewater pipeline.</p>
Recommendations	<p>The house and garden do not require any mitigation work as no impact is predicted. The outbuildings relating to the dairying use of the property will be impacted. If practical the pipeline should be rerouted to the west to avoid these buildings but it is recognised that this may not be practical.</p> <p>If the outbuildings are to be demolished then they are of sufficient heritage significance to justify an archival recording be made of the building using the guidelines <i>How to prepare Archival Recording of Heritage Items</i> issued by the New South Wales Heritage Office in 1998. The requirements for items of local significance and for items involving Industrial Archaeological Evidence should be followed.</p>

Table 34 Barlyn House, Gardens and Dairy (30) Impact and Recommendations

5.2.17 Coral Vale Kitchen (32)

Coral Vale Kitchen is listed on the 2010 West Dapto LEP. See Figure 4 for location.

ITEM DETAILS						
Name of Item	Coral Vale Kitchen (32)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Smiths Lane					
Suburb/town	Wongawilli				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	294427	Northing	6182952

Table 35 Coral Vale Kitchen (32) item details.

Description

The original attached kitchen of "Coral Vale" homestead (Site 31) was relocated directly across the road in 1930 and was used as a residence, although it had been abandoned by the 2011 field survey. It is a timber weatherboard structure with a brick chimney, and has a corrugated iron roof, a skillion added to the west elevation, and a verandah on the east.



Figure 44 Coral Vale Kitchen (32), view west

History

Coral Vale Kitchen is situated on the original land grant of William Fry c. 1832. The property developed as a dairy farm and by the late 19th century had been expanded to include several lots totalling 200 acres. The Smith family acquired the property in 1900. Their son William occupied Lot 236, which comprised 50 acres, and was responsible for naming the property "Coral Vale". The Smith descendants' farmed the land until 1970. The property is now used for small mixed farming activities and as a horse agistment and stud. The house is currently vacant. While the building has been identified as a kitchen, inspection by AECOM lead to the revision of this evaluation. The building is more likely to have been the original homestead, which was then used as a kitchen after the construction of a larger home. Following its use as a kitchen it was probably relocated across Smith's Lane for use, once again, as a residence.

Significance Assessment

Criterion a – historical: This item is of local historical significance as it is a good extant example of a nineteenth century structure associated with a homestead and is important in evidencing the development and history of the local area.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – social: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information which could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item is of some representative significance on a local level as it provides a good extant example of the reuse of a building, probably being the original homestead, before being used as a kitchen structure and then relocated and converted into a nineteenth century residential structure.

Statement of Significance

This item is of local historical significance as it is a good extant example of a nineteenth century kitchen structure associated with a homestead and is important in evidencing the development and

history of the local area. This item is of some representative significance on a local level as it is likely the original “Coral Vale” cottage/homestead, and so provides a good extant example of an original nineteenth century residential homestead structure.

IMPACT AND RECOMMENDATIONS	
Impact	A wastewater pipeline is proposed to run down the creek valley immediately south of the buildings. The pipeline is proposed to commence about 15m to the south west of the building
Recommendations	As it seems unlikely the wastewater pipeline will impact on the site no management actions are proposed

Table 36 Coral Vale Kitchen (32) Impact and Recommendations

5.2.18 Stockyard – Bong Bong Road (36a)

This item is not listed on a heritage schedule. See Figure 4 for location.

This item is not listed on a heritage schedule. See Figure 1 for location.

Name of Item	Stockyard – Bong Bong Road (36a)						
Other Name/s Former Name/s	NA						
Area, Group, or Collection Name	NA						
Street number	NA						
Street name	Bong Bong Road						
Suburb/town	Dapto				Postcode	2530	
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone	56	Easting	294349	Northing	6180737	

Table 37 Stockyard – Bong Bong Road (36a) item details

Description

The Bong Bong Road Stockyard consists of a stockyard which now simply consists of a the exterior fence line. There is some evidence of the former ramp, which appears to have been constructed of slag from the smelter. AECOM was informed that this site was to be removed within the coming weeks.



Figure 45 Stockyard, view west. Note tramway cutting in foreground

History

There is no specific historical information currently available for this site.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item does not meet the threshold of significance.

IMPACT AND RECOMMENDATIONS	
Impact	Water pipeline is proposed to be constructed along Bong Bong Road; the stockyard is located on the property boundary.
Recommendations	AECOM ascribes no heritage significance to this stockyard, the fabric or the form of the stockyard meet does not the criteria for local significance. The item can be removed without impacting the historical record of the West Dapto region.

Table 38 Stockyard – Bong Bong Road (36a) Impact and Recommendations

5.2.19 Stockyard – Bong Bong Road AMBS recording (36b)

This item is not listed on a heritage schedule. See Figure 4 for location.

This form is not to be filled out on a heritage checklist. See Figure 1 for location.

ITEM DETAILS							
Name of Item	Stockyard – Bong Bong Road (36b) (AMBS – Timber Stock Ramp off Bong Bong Road)						
Other Name/s Former Name/s	NA						
Area, Group, or Collection Name	NA						
Street number	NA						
Street name	Bong Bong Road						
Suburb/town	Dapto				Postcode	2530	
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone	56	Easting	293966	Northing	6180452	

Table 39 Stockyard – Bong Bong Road (36b) item details

Description

The Bong Bong Road Stockyard consists of a relatively intact loading ramp. There is evidence that it was formally attached to a small holding yard constructed of bush timber. The yard is not in a good state of repair. The stockyard is located in an empty paddock close to the road alignment.



Figure 46 Stockyard – view North West

History

There is no specific historical information currently available for this site.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item does not meet the threshold of significance.

IMPACT AND RECOMMENDATIONS	
Impact	Water pipeline is proposed to be constructed along Bong Bong Road; the stockyard is located on the sou boundary adjacent to the railway cutting.
Recommendations	AECOM ascribes no heritage significance to this stockyard, the fabric or the form of the stockyard does not meet the criteria for local significance. The item can be removed without impacting the historical record of the West Dapto region

Table 40 Stockyard – Bong Bong Road (36b) Impact and Recommendations

5.2.20 House and Dairy (37)

This item is not listed on a heritage schedule. See Figure 4 for location.

ITEM DETAILS						
Name of Item	House and Dairy (37)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Bong Bong Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	294080	Northing	6180456

Table 41 House and Dairy (37) item details

Description

The main house is a c.1940-50s single storey brick and fibro structure. An earlier (c.1900) timber building is located behind the main house. A collection of dairy buildings is located to the west.



Figure 47 House – front elevation, view south

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item is of local research significance in relation to the dairy buildings, including the layout, construction and evolution. The c.1900s house is also of interest and may have archaeological deposits associated with it.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item is of local research significance in relation to the dairy buildings, including the layout, construction and evolution. The c.1900s house is also of interest and may have archaeological deposits associated with it.

IMPACT AND RECOMMENDATIONS	
Impact	A Water pipeline is proposed to be constructed along Bong Bong Road. The house and dairy are over 30m from the boundary and will not be impacted.
Recommendations	No management is required.

Table 42 House and Dairy (37) Impact and Recommendations

5.2.21 Poultry Farm (38, 39)

This item is not listed on a heritage schedule. See Figure 4 for location.

This item is not listed on a heritage schedule. See Figure 4 for location.

ITEM DETAILS						
Name of Item	Poultry Farm (38 &39)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Hayes Lane					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	Homestead: 293764 Outbuildings: 293833	Northing	Homestead: 6180748 Outbuildings: 6180866

Table 43 Poultry Farm (38, 39) item details

Description

An L shaped property including an original cottage, poultry sheds and modern residence (c.1980s). The poultry sheds are of corrugated iron. The original cottage (1920s) has four main rooms and has been constructed in three parts.



Figure 48 Poultry sheds, view south south west

History

The property was established as a poultry farm in the 1920s. It was purchased by the Hayes family in 1927, who lent their name to the adjacent Lane.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item is of local research significance in relation to the poultry farm layout. The c.1920s house is also of interest and may have archaeological deposits associated with it.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item is of local research significance in relation to the poultry farm layout. The c.1920s house is also of interest and may have archaeological deposits associated with it.

IMPACT AND RECOMMENDATIONS	
Impact	A Water pipeline is proposed to be constructed along Hayes Lane. The remains of the poultry sheds, house and large shed are 23.2 m from the boundary will not be impacted
Recommendations	<p>Because of the heritage significance of the house and large shed, first management option is to avoid the impact by making sure the water pipeline is constructed closer to Hayes Lane.</p> <p>If this is not possible it is recommended that the house is archivally recorded prior to demolition and the archaeological potential of the pipeline is assessed.</p>

Table 44 Poultry farm (38,39) Impact and Recommendations

5.2.22 House and Dairy (40)

This item is not listed on a heritage schedule. See Figure 4 for location.

ITEM DETAILS						
Name of Item	House and Dairy (40)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Hayes Lane					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	293831	Northing	6180972

Table 45 House and dairy (40) item details

Description

This property could not be accessed during field survey and this description is taken from HLA 2006. Buildings include an original cottage, stable foundations, silo and remnant outbuildings associated with the operation of a dairy. The silo was imported from England.



Figure 49 Modular silo imported from England associated with house and dairy

History

No historical information regarding the property is available at this time.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item is of local research significance in relation to the evolution of the dairy and the importation of the silo from England. The original cottage (c.1890s) is also of interest and may have archaeological deposits associated with it.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item is of local research significance in relation to the evolution of the dairy and the importation of the silo from England. The original cottage (c.1890s) is also of interest and may have archaeological deposits associated with it.

IMPACT AND RECOMMENDATIONS	
Impact	A Water pipeline is proposed to be constructed along Hayes Lane and then runs north-east across the property to link with the water pipeline running down Jersey Farm Road. The pipeline route may be within 25m of the farm outbuildings
Recommendations	Because of the heritage significance of the site, first management option is to avoid the impact by varying the route of the water pipeline to avoid impact. If this is not possible recommend archival recording and archaeological monitoring during construction. Vibration impacts to the House are anticipated. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.

Table 46 Poultry farm (40) Impact and Recommendations

5.2.23 Cleveland Homestead (47)

Cleveland is listed on the Register of the National Estate, the National Trust Register and the 1990 Wollongong LEP. See Figure 5 for location.

Wollongong LEP - See Figure 3 for location.

ITEM DETAILS							
Name of Item	Cleveland Homestead and Outbuildings (47a)						
Other Name/s Former Name/s	Cleveland House						
Area, Group, or Collection Name	NA						
Street number	NA						
Street name	Cleveland Road						
Suburb/town	Dapto					Postcode	2530
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone	56	Easting	295649	Northing	6179544	

Table 47 Cleveland Homestead (47a) item details

Description

The Cleveland Homestead and Outbuildings site comprises the original homestead, two modern residences, and outbuildings associated with the former dairy. The homestead is no longer occupied and has fallen into a state of severe disrepair. The early homestead was constructed in early Victorian Georgian style in the 1840s and is a rendered brick house with corrugated metal

roof. It has 6-7 rooms. The brickwork is in Flemish bond and the bullnose verandah roof has a two-way curve. There are five pairs of French doors on the front elevation, however the front door and glass windowpanes are missing. A detached timber outhouse with a corrugated iron gabled roof is located on the western elevation. The homestead is enclosed by a remnant picket fence and is surrounded by overgrown lantana. A large Moreton Bay Fig and mature coral trees are adjacent to the homestead.

The field inspection conducted in February 2011 revealed that the structure is not well maintained and is in a state of disrepair. The homestead is collapsing and is covered in lantana. A GPS line had to be taken across the front of curtilage as the vegetation was too dense to get all the way around. There is a partial avenue of trees (poplars?) on the road out between the creek and Cleveland Road. These trees are a part of the landscape and it is recommended that they are not impacted. To the north of the house are located 2 massive Moreton Bay Fig trees, and Byna Pines are also evident. A single line of Coral trees and an isolated palm tree occur along the southern side of Cleveland Road. It is advised that impacts to these trees are also avoided.



Figure 50 Cleveland House, front elevation. View south east

History

"Cleveland" stands on the original 600 acre grant (Portion 59, Parish of Kembla) made in 1833 to George William Paul, a Sydney merchant who had disposed of his land even before the grant was issued. A series of subdivisions and conveyances followed in rapid succession. The property was sold in 1888, evidently in poor condition, to Maurice Madden, who lived there until its sale to W.D Dunster in 1912. Dunster resided at "Cleveland" until his death in 1977. The homestead is no longer occupied and has fallen into a state of severe disrepair.

Significance Assessment

Criterion a – historical: The Homestead is of local historical significance as an early homestead with a long occupation (c.1840s to 1977 where it was abandoned). It demonstrates the early occupation of the region and the subsequent development through the expansion and alteration of the homestead and the dairy outbuildings.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: The Homestead would be of aesthetic significance as a Georgian style 1840s homestead, however it is in such a state of disrepair that it currently does not meet the threshold.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: The Homestead is of local significance for its potential to reveal evidence regarding early lifeways in the Illawarra through the archaeological deposits associated with the Homestead and through the construction methods and the evolution of the Homestead.

Criterion f – rarity: This item does not meet this item as it is not rare.

Criterion g – representative: This item no longer meets this criterion as it no longer demonstrates the principal characteristics of a class of state or local cultural places/environments since it has fallen into a state of severe disrepair.

Statement of Significance

This item is of some historical significance as it was a significant homestead and associated dairy in the history of the local area and was a good example of an early Georgian (1840s) style homestead. It also has the potential to reveal details regarding early lifeways in the Illawarra through the archaeological deposits associated with the Homestead. The significance of the item has been compromised in recent years as it has not been well maintained and has fallen into a state of extreme disrepair.

IMPACT AND RECOMMENDATIONS	
Impact	<p>A water pipeline is proposed to run along Cleveland Road potentially impacting on the entrance drive to Cleveland. This area however has no heritage significance.</p> <p>A wastewater pipeline is proposed to run on the northern side of the small creek and will cut through the entrance driveway to Cleveland. There are the remanet trees from the tree-lined driveway in this location and there is the potential for the construction work to impact on them.</p> <p>It should be easy to select a route through trees that avoids impact to the trees as they are widely spaced.</p> <p>Typically a tree protection zone of 3 metres around specific trees should be established to avoid compaction and mechanical injury during construction.</p>
Recommendations	<p>It should be easy to select a route through trees that avoids impact on them as they are widely spaced. Typically a tree protection zone of 10 metres around specific trees should be established to avoid compaction and mechanical injury during construction. If this is not possible it is recommended a photographic archival recording is undertaken prior to the tree removal.</p>

Table 48 Cleveland Homestead (47a) Impacts and Recommendations

5.2.24 Cottage (48), Dam and Hayshed (49)

This item is not listed on a heritage schedule. See Figure 6 for location.

ITEM DETAILS						
Name of Item	Cottage, Dam and Hayshed					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Avondale Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if	Zone	56	Easting	Cottage: 293365	Northing	Cottage: 6177763

no street address)				Dam/Hayshed: 293328		Dam/Hayshed: 6177707
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Table 49 Cottage, Dam and hayshed (48&49) item details

Description

The cottage consists of a single storey weatherboard building which was constructed c.1930s in a simple vernacular design. The house is L shaped and is elevated on brick stumps. It features a hipped corrugated iron roof and a simple brick chimney. The front elevation has a small enclosed porch, which is supported by two brick columns and which has been filled in with brickwork. The entrance door is accessed by three concrete steps. The windows are single sash featuring corrugated iron projecting eaves. The rear of the cottage also has two lean-to additions.

A small dam is adjacent to a Moreton Bay Fig on the same property as the cottage. A large hayshed (c.1940s) is constructed from corrugated iron and has a gabled roof supported by bush timber stumps. An adjacent timber stockyard (c.1960s) appears to be a later addition and features sections of steel fencing. A small iron shed with a flat roof is also within the property boundary.

A field inspection conducted in February 2011 established that the cottage is located 7m from the property boundary fence. An associated garage is located 1m from this fence. The hayshed is located on the boundary fence, as is an elderly olive tree.



Figure 51 Cottage, front elevation. View south east

History

There is no specific historical information currently available for this site.

Significance Assessment

Criterion a – historical: This item is of some historical significance on a local level as it provides evidence of vernacular residential and farming structures typical of the Dapto area dating from the early to mid twentieth century.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item is of some representative significance on a local level as it is a good example of a 1930s vernacular rural-residential structure with associated farming structures.

Statement of Significance

This item is of historical and representative significance on a local level as it provides evidence of vernacular residential and farming structures typical of the Dapto area dating from the early to mid twentieth century. The item is a good example of a 1930s vernacular rural-residential structure with associated farming structures constructed through to the 1960s.

IMPACT AND RECOMMENDATIONS	
Impact	It is proposed that a water pipeline will be constructed along South Avondale Road. It is proposed to construct a wastewater pipeline east of South Avondale Road, running roughly north east along an ephemeral creek valley. Depending on the exact alignment of the pipelines, the structures may require demolition or may be indirectly impacted by vibration during construction.
Recommendations	<p>The first management option is to avoid the impact by rerouting the water pipeline to the western side of South Avondale Road although it is recognised that this may not be possible.</p> <p>Vibration impacts to the Cottage and Hayshed are anticipated, dependant on the final alignment. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.</p> <p>Should construction require demolition of any of the structures, it is recommended the structures be archivally recorded and archaeological monitoring undertaken during construction.</p>

Table 50 Cottage, Dam and Hayshed (48&49) Impacts and Recommendations

5.2.25 Avondale Homestead and Garden (50)

Avondale is listed on the Register of the National Estate, the National Trust Register and the 1990 Wollongong LEP. See Figure 6 for location.

ITEM DETAILS					
Name of Item	"Avondale" Homestead and Garden				
Other Name/s Former Name/s	NA				
Area, Group, or Collection Name	NA				
Street number	NA				
Street name	Avondale Road				
Suburb/town	Dapto			Postcode	2530
Local Government Area/s	Wollongong				
Location - AMG (if no street address)	Zone	56	Easting	294088	Northing 6177974

Table 51 Avondale (50) item details

Description

The "Avondale" homestead and gardens site comprises a main homestead, garden and outbuildings. The house was constructed in 1854 in a symmetrical single storey brick design with a

stucco and ashlar finish. The foundations and windows are of stone and there are two simple, rendered chimneys. The roof is hipped with slate tiles and corrugated iron over the verandas on three sides. Several farm outbuildings are present, including garages and sheds from various periods. The original garden has been substantially altered; however several original mature Moreton Bay Figs remain. Early vegetation present on the property also includes two Chinese Elms, Eucalypts and Pines.

Farm dams are located within the property boundary, as well as a tennis court to the east of the homestead and a dog burial and memorial in the south west corner of the property. The driveway from Avondale Road is not original; installed by the Webb family the driveway has since been altered by the Anderson family to include a larger turning circle.



Figure 52 Avondale, front elevation. View south west

History

"Avondale" lies within part of the original Portion 14 granted to Alfred Elyard in 1834, based on a promised grant by Governor Brisbane in 1825. George Brown acquired the land before selling it to Henry Hill Osborne in 1839. The existing homestead was built in 1854 when the property comprised a 600 acre lot. The property was subdivided during the Depression of 1893 by executors of the Estate of Henry Hill Osborne. The Cooper family bought the land on which the homestead is located and occupied it until it was purchased by P.J.G Webb in 1918. Webb extended the property to 242 acres, which were bought in three lots.

Significance Assessment

Criterion a – historical: Avondale is of local historical significance as it demonstrates the pattern of settlement in the Illawarra.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of local, state, or national significance.

Criterion c – aesthetic: This item is aesthetically significant because it demonstrates the aesthetic characteristics of a nineteenth century homestead and property.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item is of local research significance as the homestead has the potential to have archaeological deposits associated with it that may provide an insight into early life in the Illawarra.

Criterion f – rarity: This item is of local rarity significance, being a rare surviving homestead of such extent from the 1850s.

Criterion g – representative: This item is of local significance as an excellent representative example of a 1850s homestead and gardens. The homestead and gardens are in good condition and display all the characteristics of the class.

Statement of Significance

Avondale is a well detailed and almost intact mid nineteenth century homestead which survives in its Victorian garden setting, and demonstrates the tastes and lifestyle of a prosperous settler of the period. The presence of Colonial Georgian stylistic features in what is essentially a vernacular homestead gives it particular interest in demonstrating creative achievement and design ideas of the time. The property has historical associations with the Osbornes, a pioneering family of the Illawarra. It is one of few properties of such age and intactness to survive in the rural Illawarra. Statement from RNE listing.

IMPACT AND RECOMMENDATIONS	
Impact	It is proposed to construct a water pipeline running on an east west axis through the main building (probably just south of the main building) which will cause a major impact on the building and surrounding gardens) which is unacceptable given the heritage significance of Avondale.
Recommendations	Given the heritage significance of the buildings and gardens at Avondale, it is strongly recommended the water pipeline be rerouted to the north (100m should clear relevant items) or to the south (130m should clear relevant items). Vibration impacts to Avondale are anticipated, dependant on the final alignment. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.

Table 52 Avondale (50) Impact and Recommendations.

5.2.26 Moorland (55)

Moorland is listed on the 1990 Wollongong LEP. See Figure 6 for location.

Name of Item	Mooreland (55)						
Other Name/s Former Name/s	NA						
Area, Group, or Collection Name	NA						
Street number	384						
Street name	Avondale Road						
Suburb/town	Dapto				Postcode	2530	
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone	56	Easting	293358		Northing	6178446

Table 53 Moorland (55) item details.

Description

Access to this property for a detailed assessment was not available during the Field Survey. This information has been taken from HLA (2005). The homestead is a late Victorian vernacular timber building, with a grey iron roof and bull nose verandas on three sides, one side enclosed. Wrought iron lattice inserts feature on each verandah cornice. Gravel driveway is accessed from Avondale Road and retains its original configuration. The homestead has a small cottage garden surrounded by galvanised pipe and wire mesh fence. A prominent mature fig features at the rear of the homestead. Some original Eucalypts remain scattered in the neighbouring paddocks. The boundary fence consists of post and wire. Several original and modern dairy outbuildings are located to the rear and sides of the homestead.



Figure 53 Moorland, view North West

History

The site is originally part of Alfred Elyard's 600 acre estate "Avondale", granted in 1834. In 1893 Henry Osborne purchased the property and the Avondale estate was subdivided into lots the same year. The land sale map from 1893 indicates that a building was standing on the block (Lot 6) where the present homestead is situated. Most likely a small tenant farmer's hut, this structure collapsed and the existing "Moorland" homestead was built in front of it.

Significance Assessment

Criterion a – historical: This item is historically significant on a local level as it is a significant homestead in the history of the local area.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

This item is historically significant on a local level as it is a good example of a late Victorian vernacular timber building and is a significant homestead in the history of the local area.

IMPACT AND RECOMMENDATIONS	
Impact	<p>It is proposed that a water pipeline will be constructed along Avondale Road and north along the eastern boundary of the property. There are a series of outbuildings at the north east corner of the site that may be impacted by construction.</p> <p>The construction along Avondale Road will have no direct impact as the buildings are more than 25m from the boundary.</p> <p>Vibration impacts to Moorland are anticipated, dependant on the final alignment. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.</p>
Recommendations	Inspection of the site is recommended in order to assess impacts and the significance of the built fabric.

Table 54 Moorland (55) Impact and Recommendations

5.2.27 Fence Corner (56)

This item is not listed on a heritage schedule. See Figure 6 for location.

ITEM DETAILS						
Name of Item	Fence – Corner (56)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Corner of Avondale and Cedar Avenue					
Suburb/town	Dapto				Postcode	2530
Location - AMG (if no street address)	Zone	56	Easting	293242	Northing	6177409

Table 55 Fence Corner (56) item details.

Description

The item consists of a thick corner strainer with metal cap, supported by an angled treated pine post. There is a single post with 2 rails in each direction. It is a small section of early post and rail fencing remaining from a previous extensive property boundary.



Figure 54 Fence Corner

History

No history is available for the fence at this time.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that could contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item is of some representative significance as it is a remnant example of a former post and rail style fencing common throughout district.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	It is proposed that a water pipeline will be constructed along South Avondale Road, which may require the removal of the Fence Corner.
Recommendations	The site is not of historical significance and does not require heritage management

Table 56 Fence Corner (56) Impact and Recommendations

5.2.28 Stockyard – Huntley Road (59)

This item is not listed on a heritage schedule. See Figure 6 for location.

This item is not listed on a heritage schedule. See Figure 6 for location.

ITEM DETAILS						
Name of Item	Stockyard – Huntley Road (59)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Huntley Road, opposite Penrose Drive					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	295968	Northin g	6178175

Table 57 Stockyard – Huntley Road (59) item details

Description

HLA recorded a stockyard in this location as being constructed of bush timbers. During the AECOM field survey such an item could not be located, however a modern stockyard was at the same location. This site has been removed and replaced by a treated pine and metal stockyard. The current stockyard does not hold historical significance.



Figure 55 Stockyard, view south south west

History

There is no specific information regarding the stockyard at this time.

Significance Assessment

Criterion a – historical: This item is not of historical significance as it does not demonstrate the local pattern of history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion because it is not rare.

Criterion g – representative: This item does not meet this criterion as it has lost the principle characteristics of the class.

Statement of Significance

This item does not meet the threshold for local significance.

IMPACT AND RECOMMENDATIONS	
Impact	No impact on stockyard is anticipated as it is set back further than 25 m from the boundary fence.
Recommendations	The site is not of historical significance and does not require heritage management

Table 58 Stockyard – Huntley Road (59) Impact and Recommendations

5.2.29 Marshall Mount Homestead, Garden and Outbuildings (64)

The House is listed on the 1990 Wollongong LEP, the Register of the National Estate and the National Trust Register. See Figure 9 for location.

ITEM DETAILS						
Name of Item	"Marshall Mount" Homestead, Garden, and Outbuildings (64)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Marshall Mount Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	292825	Northin g	6174728

Table 59 Marshall Mount House (64) item details

Description

Consists of the main homestead, garden and outbuildings. The main homestead was constructed in two parts, of rendered brick and weatherboard. A brick barn is located on the eastern portion of the property and is constructed of bricks made on the property. The garden retains original features, including the circular driveway, raised garden beds and ornamental Moreton Bay Figs.



Figure 56 Marshall Mount House front elevation. View east

History

Originally granted to Sarah and Henry Osborne in 1829 the land was named after Sarah's maiden name. The Osbornes originally lived in Pumpkin Cottage, but by c.1838 had constructed the first part of Marshall Mount House. The adjoining two storey wing was added in the 1840s. Henry died in 1859 and the property passed to his eldest son Henry Hill Osborne. Osborne's interests, however, were elsewhere and he subdivided the farm into 22 smaller allotments for sale.

Significance Assessment

Criterion a – historical: Marshall Mount House is of State significance it demonstrates the early pattern of settlement in the Illawarra, moving from large grants through to subdivision. Moreover, the house is indicative of the early wealth in the area.

Criterion b – associative: Marshall Mount House is of local associative significance through its associations with the Osborne family, who were instrumental in the early settlement and development of the area.

Criterion c – aesthetic: Marshall Mount House is of State significance as an aesthetically pleasing c.1830s and c.1840s homestead.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: Marshall Mount House is of local research potential for the potential archaeological deposits associated with the House and their potential to reveal unknown details regarding early lifeways in the Illawarra.

Criterion f – rarity: This item does not meet this criterion because it is not rare.

Criterion g – representative: This item does not meet this criterion as it has lost the principle characteristics of the class.

Statement of Significance

Marshall Mount House is of State and local significance for its historical, associative, aesthetic and technical values. The House demonstrates the early settlement pattern in the Illawarra and the subsequent subdivision of the large land holdings. It is of local associative significance for its links to the Osborne family, who were instrumental in the establishment of the area. It is of local significance for its research potential should archaeological deposits be discovered as they have the potential to reveal details regarding early lifeways in the Illawarra.

IMPACT AND RECOMMENDATIONS	
Impact	Water pipeline is planned to be constructed along Marshall Mount Road. If constructed along the south-east side of Marshall Mount Road there is the possibility of direct construction impacts on the gardens and one outbuilding.
Recommendations	<p>Given the heritage significance of the buildings and gardens at -"Marshall Mount" Homestead, Garden and Outbuildings, it is strongly recommended that the water pipeline be rerouted to avoid impact on these items. No direct impacts to the Homestead or Outbuildings are acceptable.</p> <p>It is recommended that impacts to the Garden be avoided, however, this may be difficult to achieve given the terrain at this location. It is also difficult to see how constructing a pipeline through the garden could be achieved without significant damage to the gardens. If it is necessary to put the pipeline through the garden it is recommended an aborist be consulted regarding the best way to proceed.</p> <p>Vibration impacts to Marshall Mount House and Outbuildings is anticipated, dependant on the final alignment. The impacts will be managed in accordance with the German Standard DIN 4150: Part 3 - 1986.</p>

Table 60 Marshall Mount House (64) Impact and Recommendations.

5.2.30 Kembla Grange War Cemetery (76)

The Cemetery is listed on the 1990 Wollongong LEP. See Figure 3 for location.

The Cemetery is listed on the 1988 Wollongong LEP - See Figure 6 for location.

ITEM DETAILS							
Name of Item	Kembla Grange War Cemetery (76)						
Other Name/s Former Name/s	NA						
Area, Group, or Collection Name	NA						
Street number	NA						
Street name	Reddalls Road						
Suburb/town	Dapto				Postcode	2526	
Local Government Area/s	Wollongong						
Location - AMG (if no street address)	Zone	56	Easting	298382	Northing	6183683	

Table 61 Kembla Grange War Cemetery (76) item details

Description

The Kembla Grange War Cemetery occupies a square of land located on a right angle in Reddalls Road. It consists of twelve engraved, white marble headstones set out in two rows and positioned at the rear of the fenced area. There are eight graves present in the back row, and four in the front. The graves are oriented east – west, and face west. The remainder of the area is grassed and landscaped, and a concrete path extends from the front access gate to a central platform, which is most likely used for commemoration ceremonies. A small garden surrounds the site boundary and the southern border of the property is lined with hibiscus. The cemetery contains the graves of 11 Australian Army personnel and one Royal Australian Navy seaman, most of who were killed in training accidents during World War 2. It is an official war cemetery.



Figure 57 Kembla Grange War Cemetery, view east

History

Kembla Grange War Cemetery is located within of Portion 11 Parish of Kembla, which, in 1954, was reserved as an extension of the Kembla Grange Old Cemetery. It is not clear when it was established but it is clearly visible on the on the 2nd November 1951 aerial photograph.

In 1968 the existing alignment of Reddall's road was altered to allow Tubemakers Australia to expand to occupy part of the cemetery. The land was resumed and a new road reserved on the 5th July 1968. Sometime after this date the land between the War Cemetery and what is now known as the Kembla Settler's Cemetery was also decommissioned as cemetery land. It is now operated as a manufacturing plant for Socotherm Pty Ltd. The two cemeteries are therefore no longer linked. The old road alignment was closed on the 6th September 1968.

The graves mark the resting place of eleven members of the Royal Australian Army, and one Royal Australian Navy personnel from the local community. The site includes four members of the Royal Australian Army who were killed in battle in 1943.

Significance Assessment

Criterion a – historical: This item is historically significant as it marks an important phase and event in the history of the local community, giving an indication of the impact of WWII on the local area.

Criterion b – associative: There is currently insufficient information regarding the individuals interred in the cemetery to determine whether the site meets this criterion.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item is of social significance due to its strong and special association with the local communities of Dapto and Kembla Grange as a place of internment for service personnel killed during WWII.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to an understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

Kembla Grange War Cemetery is historically significant as it marks an important phase and events in the history of the local community, and is also socially significant due to its strong and special association with the local communities of Dapto and Kembla Grange as a place of internment for service personnel killed during WWII.

IMPACT AND RECOMMENDATIONS	
Impact	<p>A water pipeline is identified as being constructed along Reddalls Road. The entire cemetery is within 25m of the boundary of Reddalls Road. The major concern is whether construction on either side of the road will impact on known or unknown burials. In the case of the Kembla Grange War Cemetery it seems unlikely that there are any other graves apart from the 12 clearly marked. This is because the cemetery is a specific purpose cemetery which has been well maintained.</p>
Recommendations	<p>Because of the heritage significance of the site, first management option is to avoid the impact by ensuring the pipeline does not impact on the fenced property boundary, although it is recognised that this may not be possible. It is recommended graves themselves, which are located 14 m in from the boundary fence, be avoided.</p> <p>If rerouting is not an option then it is recommended that Sydney Water should undertake a program of specific community consultation with the Returned Services League and descendants of those buried in the Kembla Grange War Cemetery (if possible) in order that the community has the opportunity to understand the proposed works and comment on them to ensure that the War Cemetery is treated with appropriate respect.</p> <p>Management of the existing graves monuments during construction would require the following works:</p> <ul style="list-style-type: none"> • The location of the graves and other features be marked on all plans of the work in this area as items of heritage significance so as to avoid inadvertent disturbance. • Site facilities such as toilets and work sheds be placed to avoid disturbance to graves and to avoid offence (e.g. toilets within the cemetery) • Temporary fencing of the graves by a parra-webbing fence running parallel to Reddalls Road in this section to avoid accidental damage by machinery • All contractors and sub-contractors and Sydney Water staff should be briefed on the respectful treatment of human remains and grave sites • Provisions for briefing of personnel and for the mitigation works outlined above should be incorporated in any environmental or construction planning for the project such as Environmental Management Plans. • Undertake specific community consultation with the RSL, descendants of those buried in the War Cemetery and the general community in order that the interest groups have an opportunity to understand and comment on the works and ensure the War Cemetery is treated with appropriate respect.

Table 62 Kembla Grange War Cemetery (76) Impact and Recommendations

5.2.31 House and Dairy Buildings – Jersey Farm Rd (82)

The item is not listed on a heritage schedule. See Figure 4 for location.

ITEM DETAILS						
Name of Item	House and Dairy Buildings (82)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Private road off Jersey Farm Road					
Suburb/town	Wongawilli				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	293995	Northing	6181433

Table 63 House and Dairy Buildings – Jersey Farm Rd (82) item details

Description

This item comprises a collection of dairy buildings including a milking shed (western-most building and the most complete), and holding pens, loading ramps, silos, etc. An associated house is located 200m west of the dairy. This is a c. 1930s fibro clad, 'L' shaped cottage with a gable roof and projecting verandah, which appears to be occupied. A weather station is also located to the south-west under some trees.



Figure 58 Southernmost buildings of Jersey Road Farm (82). View east.

History

There is no historical information currently available for this item.

Significance Assessment

Criterion a – historical: This item is of local historical significance as it provides an example of a complete and extensive collection of dairy buildings, showing the evolution of dairy practices in the local area over time. The dairying industry was significant in the development and history of the local area throughout the nineteenth and twentieth centuries.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to an understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item is of local representative significance as it is an example of a complete and extensive collection of dairy buildings, showing the evolution of dairy practices in the local area over time.

Statement of Significance

This item is of local historical and representative significance as it provides an intact example of a complete and extensive collection of dairy buildings, showing the evolution of dairy practices in the local area over time. The dairying industry was significant in the development and history of the local area throughout the nineteenth and twentieth centuries.

IMPACT AND RECOMMENDATIONS	
Impact	<p>A water pipeline is proposed to run along Jersey Farm Road from Wongawilli Township south. The pipeline will pass both the house and the dairy complex. The house is 19m from the road and the dairy complex 10m. The pipeline is unlikely to directly impact the structures</p> <p>A wastewater pipeline is proposed to be constructed along the north bank of Robbins Creek and it is likely that the construction of this pipeline will impact on the southern end of the dairy complex. The removal of elements of the complex will impact on the overall significance of the site through the removal of physical evidence of the development of the complex as a whole.</p>
Recommendations	<p>If constructed requires the demolition of the house and/or dairy then the complex is of sufficient heritage significance to justify an archival recording being made using the guidelines <i>How to prepare Archival Recording of Heritage Items</i> issued by the New South Wales Heritage Office in 1998. The requirements for items of Local Significance and for items involving Industrial Archaeological Evidence should be followed.</p> <p>The recording would require some clearing of extraneous vegetation to be undertaken so that the dairy remains can be fully recorded.</p>

Table 64 House and Dairy - Jersey Road Farm (82) Impact and Recommendations

5.2.32 Illawarra Harbour and Land Corporation Railway/Tramway (171)

The Tramway is listed on the 1990 Wollongong LEP. See Figure 4&5 for location.

ITEM DETAILS						
Name of Item	Illawarra Harbour and Land Corporation Railway/Tramway (171)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	NA					
Suburb/town	NA				Postcode	
Local Government Area/s						
Location - AMG (if no street address)	Zone	56	Easting		Northing	

Table 65 Illawarra Harbour and Land Corporation Railway/Tramway (171) item details

Description

The Tramway is disused and its condition and visibility in the landscape varies across its length. The line is still evident from Bong Bong Road, near its curve to the west, where the Road has been

built across a former cutting. The Tramway curves to south south east before running almost due east until it intersects with the Princes Highway. At the Bong Bong Road end the Tramway is visible as a cutting. At the point where the line turns eastwards the Tramway is on an embankment of variable height to raise it above the swampy ground. Towards the eastern end the embankment becomes less visible. During field survey Wollongong Council were undertaking works ahead of a subdivision and had cut through the embankment. There was no stratigraphic evidence of the construction of the embankment.



Figure 59 Tramway embankment, south east of Bong Bong Road. View west.

History

The Illawarra Harbour and Land Corporation (IHLC) was formed around 1890 to dredge a channel through Lake Illawarra to make it navigable and to construct a harbour and port facilities near Tallawarra Point. A standard gauge railway was to link the Port with the Ocean Seam Colliery located on the escarpment about “half a mile west of the old West Dapto Public School site” and north of Wongawilli Colliery. The line crossed the south coast line of the NSW GR at Dapto.

Work was difficult and probably undercapitalised and by 1895 dredging at the opening ground to a halt. There the scheme would have languished were it not for the development of the Dapto Smelter by the Australian Smelting Company. This project rejuvenated work on the port and railway and construction of the line commenced in 1895 and was completed by 1896 with a spur line running to the Dapto Smelter.

The Dapto Smelter used coal from the Ocean Seam Coal mine and coke from nearby suppliers. It is not clear when the IHLC closed but Reynolds noted that the decision of the NSW Government in 1898 to develop Port Kembla as the Illawarra's port would have put an end to plans for Lake Illawarra (2001:18). The crossing over the South coast line was removed in 1902.

The IHLC was one of a number of speculative ventures along the Illawarra Coast that attempted to construct shipping facilities for coal. For example there was a similar venture at Bellambi. These all suffered the problems of the Illawarra's tricky geography steep slopes from the exposed coal seams, swampy flats and rugged coastline made the task of transporting coal very difficult. Although Lake Illawarra was not a rugged coastline it was shallow and prone to silting making its use for large ships difficult.

The tramway itself was one of sixteen major tramways or railway lines in the Illawarra transporting coal to ports or jetties (Eardley 1968:05). Typically these were railways built to mainline standards and were standard gauge. They ran from the bottom of the escarpment (where they met with

smaller tramways taking coal down the steep escarpment slopes from the mines) to the jetties or ports. Some delivered coal to coke works developing on the flats.

Significance Assessment

Criterion a – historical: The Railway is of local historical significance as it demonstrates the economic development of the region and the diversification into coal and smelting.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to an understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it does not demonstrate the principal characteristics of a class of state or local cultural or natural places/environments.

Statement of Significance

The Illawarra Harbour and Land Corporation Railway is of local historical significance as physical evidence of the expansion of the region's economy into coal mining and smelting.

IMPACT AND RECOMMENDATIONS	
Impact	<p>Proposed wastewater pipelines cut through the embankment in two places and will follow the tramway along an 800 m section of the alignment. A proposed water pipeline also cuts through the alignment.</p> <p>The pipelines cutting the tramway are unlikely to have a significant impact on the item as large portions will remain intact. If the 800 m is to be on top of the tramway route, which is still evident in the landscape at this point, the construction of the pipeline will remove a significant portion of the tramway, impact on the visibility of the route in the landscape and remove the physical evidence of construction techniques.</p>
Recommendations	<p>Depending on the route it is recommended that the impact on all archaeological remains of the tramway be managed as a single project to avoid unnecessary duplication. While the structure of the embankment would be considered a work it is possible that relics are contained within the embankment.</p> <p>It is recommended that the following work be undertaken:</p> <ul style="list-style-type: none"> • A research design be developed to determine if information that cannot be gleaned from other sources could be gained through an archaeological examination of the embankment • Development of appropriate mitigation options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work) • Development of appropriate mitigation options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work).

Table 66 Illawarra Harbour and Land Corporation Railway/Tramway (171) Impact and Recommendations

5.2.33 West Dapto Road – New Sites (182-186)

There are five new sites located within close proximity, which have been dealt with as a group to avoid repetition. These sites are not listed on a heritage schedule. See Figure 3 for location.

ITEM DETAILS					
Name of Item	West Dapto Road – New Sites (182-186)				
Other Name/s Former Name/s	NA				
Area, Group, or Collection Name	NA				
Street number	NA				
Street name	West Dapto Road				
Suburb/town	Dapto			Postcode	2530
Local Government Area/s	Wollongong				
Location - AMG (if no street address)	Zone	56	Easting	n/a	Northing n/a

Table 67 West Dapto Road – New Sites (182 – 186) item details

In the course of resolving the issues about the Kembla Grange cemetery it was observed that the 2nd edition of the Parish map for Kembla (Figure 32) had identified buildings along West Dapto Road. The 2nd edition of the Parish of Kembla map was compiled in early 1889 and the map was in use from 1889 till August 1891. As the details are lithographed on the base map they must date to early 1889. The plan shows an “Old Store”, “Public House” (this item is also discussed under Section 5.2.4) and “Cottage” (this item is also discussed under Section 5.2.5) in the vicinity of West Dapto Road

The 1927 Inch to Mile plan shows building in these locations but is not of sufficient resolution to be definitive. Other early plans of the area, including 2.619 and Road Plans 191-1603 and 203-1603, did not provide additional information regarding the structures. The 1951 aerial was searched and clearly showed a farm in the area of “J Barretts Farm” with buildings located near the road.

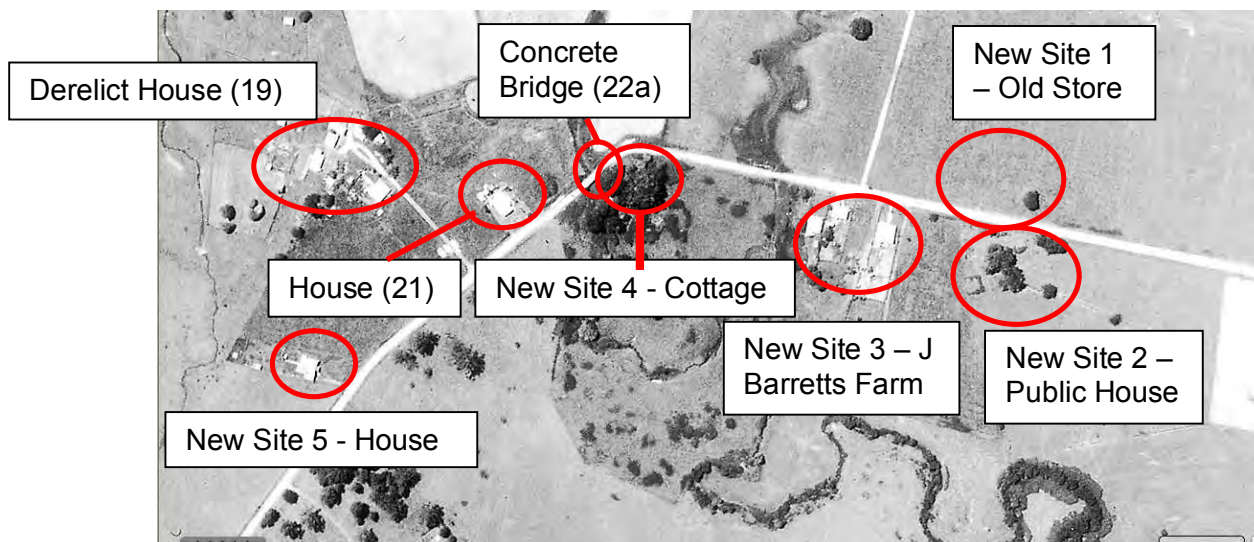


Figure 60 1951 aerial for a section of West Dapto Road. Department of Lands.

There is no evidence of any of these buildings on the ground or visible from current aerial images.

New Site 1 Potential Remains of Store (182)

This is the approximate location of a building labelled “Old Store” on the 1889 Parish Plan located on the northern side of West Dapto Road. Based on the overlay of maps and plans it is likely that some remains of the store, if they exist, would be within the 25m zone.

There is no evidence of a building visible on the three high resolution images available on Nearmap. However, a circular mark is faintly visible, which suggests the possibility of a filled well.

Archaeological features related to the store might include structural remains such as building footings and post holes, as well as filled cellars and wells. It is possible that deposits of artefacts would be located in the area.

New Site 2 Potential Remains of Public House (183)

This is the approximate location of two buildings labelled “Public House” on the 1889 Parish Plan located on the southern side of West Dapto Road. Based on the overlay of maps and plans it is likely that some remains of the Public House if they exist would be within the 25m zone.

The overlay places the potential location of the Public House immediately to the east of Site 17. There was no evidence of a building in this location when Site 17 was inspected on the 18th February 2011 although the field was heavily grassed. There is no evidence of a building or other features visible on the three high resolution images available on Nearmap.

Remains from a Public House might include structural remains such as building footings and post holes as well as filled cellars and wells. It is possible that deposits of artefacts would be located in the area.

New Site 3 Potential Remains of J Barretts Farm (184)

This is the approximate location of two buildings labelled “J Barretts” on the 1889 Parish Plan located on the southern side of West Dapto Road (Barrett was the original grantee of the portion). The 1951 aerial images show that this area was occupied by a farm with extensive outbuildings. Based on the overlay of maps and plans it is likely that some remains of the farm if they exist would be within the 25m zone. The 1951 Aerial image shows two buildings close to the road one 8m and the other 10m from the road.

There is no evidence of buildings visible on the three high resolution images available on Nearmap; however the predicted location of many of the farm buildings is covered by a suspicious number of bushes possibly indicating the site of some buildings.

Remains from a farm might include structural remains such as building footings and post holes as well as filled cellars and wells. It is possible that deposits of artefacts would be located in the area. More recent buildings constructed on stumps may leave less of an archaeological imprint than earlier buildings constructed with walls on sub-surface footings.

New Site 4 Potential Remains of Cottage (185)

This is the approximate location of two buildings labelled “Cottage” on the 1889 Parish Plan located on the southern side of West Dapto Road near Dapto Creek. Based on the overlay of maps and plans it is likely that some remains of the Cottage if they exist would be within the 25m zone.

The overlay places the potential location of the Cottage immediately to the east of the large fig tree recorded by AMBS. There was no evidence of a building in this location when the site was inspected on the 18th February 2011 although the field was heavily vegetated. There is no evidence of a building visible on the three high resolution images available on Nearmap although all that was visible was the tops of the trees.

New Site 5 Potential Remains of Cottage (186)

A house and associated outbuildings is shown at this location on the 1951 aerial image (Figure 60). The buildings have since been demolished. However the impression of the remains of a structure is visible on the Nearmap aerial images. These are 23m from the boundary and so are marginally within the potential location for the water pipeline.

Remains from a cottage might include structural remains such as building footings and post holes as well as filled cellars and wells. It is possible that deposits of artefacts would be located in the area.

A house and associated outbuildings is shown at this location on the 1951 aerial image. The buildings have since been demolished. However the impression of the remains of a structure is visible on the Nearmap aerial images. These are 23 m from the boundary and so are marginally within the 25 m zone.

Remains from a house might include structural remains such as building footings and post holes as well as filled cellars and wells. It is possible that deposits of artefacts would be located in the area.

Significance Assessment

Criterion a – historical: These items do not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: These items does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: The potential archaeological sites, of a group of structures about which little is known, is of local research potential for its potential to reveal details regarding the construction, operation and subsequent abandonment of these forgotten structures.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

The potential archaeological sites 1-5 (182-186) are of local significance for their potential to inform regarding the construction, operation and subsequent abandonment of these forgotten structures.

RECOMMENDATIONS	
Impact	Water pipeline and wastewater pipe are proposed to be constructed along West Dapto Road, which may impact on New Archaeological Sites 1-5.
Recommendations	<p>It is recommended that the area be avoided and the pipelines located within the road reserve. If this is not practicable the following management is recommended:</p> <ul style="list-style-type: none"> • Develop a clearer understanding of the archaeological potential of the site by undertaking the following: <ul style="list-style-type: none"> ○ Vegetation removal to allow for a more detailed visual inspection ○ A remote sensing survey along the route to identify the possibility of sub-surface remains of the buildings being located during construction ○ Development of appropriate management options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work).

Table 68 New Archaeological Sites 1-5 (182-186) Impact and Recommendations

5.2.34 New Site 6 – Archaeological Potential Daly's Hut and Yards (187)

This site is not listed on a heritage schedule. See Figure 4 for location.

This site is not listed on a Heritage Schedule. See Figure 1 for location.

ITEM DETAILS						
Name of Item	New Site 6 – Archaeological Potential Daly's Hut and Yards (187)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Hayes Lane near intersection with Bong Bong Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	n/a	Northing	n/a

Table 69 New Site 6 (187) item details

Description

During the field survey the site was observed to be a grassed paddock.

History

The 1889 Parish Plan indicates that there was a hut and yards near the junction of Hayes Lane and Bong Bong Road (Figure 61). The Plan attributes ownership of the structures to the Daly family.

There is no other reference to the buildings on the maps or aerials. The Crown Plan of the land (379-1603) is missing.

There is no evidence of a building visible on the three high resolution images available on Nearmap.

Archaeological evidence of the Hut might include structural remains such as building footings and post holes, although these remains may be quite ephemeral. It is possible that deposits of artefacts could be located in the area.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: The potential archaeological site, of a structure about which little is known, is of local research potential for its potential to reveal details regarding the construction, operation and subsequent abandonment of this forgotten structure.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.



Figure 61 1889 Kembla Parish Plan showing Hayes Lane near the intersection with Bong Bong Road.
Department of Lands

Statement of Significance

The potential archaeological site of Daly's Hut and Stockyard is of local significance for its potential to inform regarding the construction, operation and subsequent abandonment of a forgotten structure and life in the early Illawarra.

RECOMMENDATIONS	
Impact	Water pipeline and wastewater pipe are proposed to be constructed along West Dapto Road, which may impact on New Archaeological Site 6.
Recommendations	<p>It is recommended that the area be avoided and the pipelines located within the road reserve. If this is not practicable the following management is recommended:</p> <ul style="list-style-type: none"> Develop a clearer understanding of the archaeological potential of the site by undertaking the following: <ul style="list-style-type: none"> Vegetation removal to allow for a more detailed visual inspection A remote sensing survey along the route to identify the possibility of sub-surface remains of the buildings being located during construction Development of appropriate management options (likely to be either test excavation prior to construction, archaeological monitoring during construction or no further archaeological work).

Table 70 New Archaeological Site 6 (187) Impact and Recommendations

5.2.35 Coral Tree Avenue (188)

This item is not on a heritage schedule. See Figure 4 for location.

ITEM DETAILS						
Name of Item	Coral Tree Avenue (188)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Private Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s						
Location - AMG (if no street address)	Zone	56	Easting	293797	Northing	6180729

Table 71 Coral Tree Avenue (188) item details.

Description

Running west from the end of Hayes Lane is a private road heading towards the escarpment. The road follows a line of Coral Trees, which also extend to the north at both ends to form a [shape. The road is lined on the southern side by a line of 17 Coral Trees. The eastern arm runs north, with 20 trees stretching towards the creek. The portion closest to the private road has evidence of a former fence line underneath the trees in the form of coarse concrete posts. On the western arm the trees extend halfway to the creek, however only two trees were identified during field survey due to dense undergrowth.



Figure 62 Coral Tree Avenue

History

The Coral Trees probably were planted around a fenced paddock, which has become disused and overgrown with vegetation. The trees do not appear on the 1949 aerials.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed along the private road. This will disturb the roots of the trees or require their removal.
Recommendations	While the Coral Trees are not of historical significance, they do add to the scenic quality of the area. It is suggested that the trees are not removed and that root disturbance is minimised to potential of shortening the lifespan of the trees. If this is not possible, however, the Avenue is no impediment on historical grounds.

Table 72 Coral Tree Avenue (188) Impact and Recommendations

5.2.36 Bike Ramp (189)

This item is not on a heritage schedule. See Figure 4 for location.

This form is not on a Heritage Schedule. See Figure 1 for location.

ITEM DETAILS						
Name of Item	Bike Ramp (189)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Hayes Lane					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	293797	Northing	6180729

Table 73 Bike Ramp (189) item details

Description

Treated timber and steel bike ramp and earth mounds. The ramp is decorated with flames cut from plastic sheeting.



Figure 63 Bike Ramp (189)

History

There is currently no historical information regarding this item, but it does not appear to be older than 20 years, at the outside.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	A water pipeline is proposed along the western side of Hayes Lane. The Bike Ramp is within the 25 m pipeline corridor.
Recommendations	The Bike Ramp is not of heritage significance and does not form an impediment on historical grounds.

Table 74 Bike Ramp (189) Impact and Recommendations

5.2.37 Bridgewater (190)

This item is not on a heritage schedule. This item was mistakenly identified as Cleveland House in the HLA (2005) GIS data. See Figure 6 for location.

ITEM DETAILS						
Name of Item	Bridgewater (190)					
Other Name/s Former Name/s	NA					
Area, Group, or Collection Name	NA					
Street number	NA					
Street name	Cleveland Road					
Suburb/town	Dapto				Postcode	2530
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	295724	Northing	6179745

Table 75 Bridgewater (190) item details

Description

A 1950/60s clad house, which is currently vacant. During field survey AECOM met with the former tenant who still kept horses on the property. She stated that the land was owned by the local Catholic Church who intended to demolish the structure within two weeks.



Figure 64 Bridgewater property entry (190)

History

There are no specific historical details currently available for this site.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.

Criterion d – social: This item does not meet this criterion as it does not have a strong or special association with a particular community or cultural group.

Criterion e – technical: This item does not meet this criterion as it does not have the potential to yield information that will contribute to and/or enhance our understanding of state or local cultural history.

Criterion f – rarity: This item does not meet this criterion as it is not rare.

Criterion g – representative: This item does not meet this criterion as it no longer represents its class.

Statement of Significance

This item does not meet the significance threshold.

IMPACT AND RECOMMENDATIONS	
Impact	It is proposed to construct a water pipeline along the length of Cleveland Road along with a wastewater pipeline. These will impact the entrance to Bridgewater, which is not considered to be of significance. The House and Buildings are 139m south of the boundary and there will be no construction impacts on these buildings.
Recommendations	As there is not anticipated to be any impacts to Bridgewater no management measures are required.

Table 76 Bridgewater (190) Impact and Recommendations

5.2.38 Shed - Potential (194)

This item is not listed on a heritage schedule. See Figure 6 for location.

This item is not listed on a heritage schedule. See Figure 3 for location.

ITEM DETAILS						
Name of Item	Shed – Potential AMBS (194)					
Other Name/s Former Name/s						
Area, Group, or Collection Name						
Street number	360					
Street name	Cleveland Road					
Suburb/town	Cleveland				Postcode	
Local Government Area/s	Wollongong					
Location - AMG (if no street address)	Zone	56	Easting	293618	Northing	6179248

Table 77 Shed- Potential (194) item details

Description

Corrugated iron shed, flat roof with dressed wooden yards to the south.

History

There are no specific historical details currently available for this site.

Significance Assessment

Criterion a – historical: This item does not meet this criterion as it is not important in the course or pattern of state or local history.

Criterion b – associative: This item does not meet this criterion as it does not have a strong or special association with the life or works of a person or group of persons of importance in state or local history.

Criterion c – aesthetic: This item does not meet this criterion as it does not demonstrate aesthetic characteristics and/or a high degree of creative or technical accomplishment.