

From: Simmons, Amber
Sent: 17 Jun 2014 16:08:59 +1000
To: RECORDS
Cc: Van De Werff Hannah
Subject: FW: Jordan Springs Village Oval - Amended Documentation.
Attachments: JOR-0003_VILLAGE OVAL_DA AMENDMENTS_140616.pdf, JOR-0003_VILAGE OVAL_LANDSCAPE DA_140611_small.pdf
Importance: High

Please find attached the revised documentation for the Jordan Springs Village Oval, which includes the landscape, engineering and architectural drawings.

Regards,

Amber.

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16/06/14

REV 01

To whom it may concern,

DETERMINATION OF DEVELOPMENT APPLICATION

CONDITIONS OF CONSENT – LANDSCAPE SUBMISSION

Clouston Associates has amended the proposed drawing package to incorporate the following changes, highlighted in the Penrith City Council, City Works Department Comments for the Development Application (DA No.DA14/0209).

All responses and actions indicated in **RED**

REQUESTS FOR AMENDMENTS:

1. Amenities building

- a) High level middle roof section should fall outwards to eliminate the necessity of a box gutter as follows: **Box gutter deleted**
 - This box gutter will be costly to maintain and would require monthly cleaning of
 - leaves to avoid flooding of the facility (This additional cost to Council would currently stand at over \$2,600p.a) if blockages do occur all drainage is under the slab. The location of the internal downpipes are in a position that they can be easily damaged and flood the area.
 - More importantly it introduces a risk management and safety issue with potentially balls etc being kicked onto the roof and collecting in the box gutter and kids wanting to retrieve them.
 - Generally every building that Council owns that has box gutters leak and is a
 - constant maintenance issue.
- b) The structural steel columns supporting the high level centre roofing should be removed/ relocated into the adjacent brick wall. This will achieve a number of benefits, an easy to clean corridor, no impediments for visually impaired and other people, nothing for people to climb and reduced clutter. **Central roof (breezeway) deleted**
- c) The drawings indicate there are structural steel columns on most gridline intersections, these will need to be relocated into the adjacent walls, so that the room doesn't have steel columns sticking out making it not as usable. There are also some columns that are in the middle of work areas, these need to be relocated in the walls (utilities and kiosk area). **Structural steel columns revised to be incorporated into architectural walls.**



- d) The amenities building structure itself raises CPTED concerns due to the potential of entrapment resulting from the breezeway. A redesign should be considered to respond to access control, provision of passive surveillance and prevent entrapment concerns. In this regard it would be preferred that the 2 structures be combined as one single building with no provision for breezeways or areas of entrapment. **Breezeway terminated. Architectural footprint revised to comments**
- e) In considering the above revisions it may be worthwhile to consider the following internal floor layout revisions (to respond to accessibility issues). These matters can also be conditioned but should be noted when considering the revised building design:
- i. Position amenities building entrance adjacent to main communal/public area. **No main entrance to amenities block. Kiosk and WC highly visible from most areas within the park**
 - ii. Please consider the principles of universal design for the internal layout and location of accessible wc and sanitary facilities. Specifically, the accessible shower facility is currently located within the accessible wc. The access committee has recommended it be relocated to the main Male and Female Change rooms so the accessible wc is more available (noting combined facility would cause extended delay and inhibit use by others). **WC now the East elevation of the Amenities Block. Highly visible and accessible to Park users.**
 - iii. Please ensure there are accessible change room facilities available **ACC WC available within changing rooms and public toilets**
 - iv. Please ensure accessible ambulant facilities are located to ensure handrails can be attached to supportive walls. **Handrails provided**
 - v. Provide external/visible access to the accessible wc (i.e. not accessible from internal parts of the building which may be locked). **ACC WC externally visible and accessible**
2. Arborist Report (Comments provided by Arboreport)
- a) Further consideration and advice from the arborist regarding the retention of T8 **Congested growth and likely decay associated with dead central stem** – as above, consider modifying the location of infrastructure to minimise the impact on the TPZ.T5 **There is a footpath to the boundary of the TPZ. Does not enter the SRZ. Best Practice for construction recommended in Arborist Report will be undertaken during CC** – modify path as per arborist recommendations. Advice should be sought from the arborist regarding the catch drain proposed to run close to the trunk of T5 (civil drawing 'plan 1') **Pit moved to perimeter of TPZ. Minimal root impact.** Consideration is required to modify the location of the catch drain to be outside the TPZ.
 - b) It is recommended the engineering details with contours and levels of the site be referred to your consultant Arborist as it appears the report which has been prepared may not have been informed by the engineering details and the extent of cut and fill required for the site. **Engineer drawings issued to Arborists for coordination. Drawings amended as suggested by Arborist.** This will also facilitate an assessment of grades (to ensure compliance with access requirements). Please provide landscape detail which nominates additional trees within the learn to ride playground. The consideration of additional tree location and specie selection should have regard to sight lines from supervising areas to the learn to ride



playground and its surrounds. The objective of the additional planting is to provide shading to the users of the playground. **Noted. Provided at CC**

REQUEST FOR ADDITIONAL INFORMATION

1. Engineering Details (**Comments Provided by JWP**)
 - Cross- sections should be provided between the existing southern car park and the sporting oval. **Provided**
 - Further contour detail should be provided around the grass mound. **Provided**
 - Section BB, on drawing JOR-0003 DA5 shows an RL 40.33 twice and there is a clear height difference between the two. This detail should be clarified. **Amended**
 - Additional detail should be provided on the engineering plans identifying the distance between the playing field and any drainage structure.
 - The proposed stormwater channels around the oval are not supported in the current form. A minimum 1% grade is required for these channels with an additional concrete dish drain. The minimum grade and dish drain is required for maintenance purposes.
The requirement for a concrete dish in the grass swale. Council had intended to say that if the grade of the swale is less than 1% then a concrete dish is required. We've revisited the grading and can achieve a minimum of 1% by sawtoothing the grade of the swale
 - Please provide turn paths for the proposed car parking facility. **Provided**
 - All pram ramps shall demonstrate a 1:8 grade this shall be detailed on the engineering plans. **Details regarding gradients are to be addressed at CC stage**
 - Additional information relating to grades on footpaths and areas to be mowed should be shown on the engineering plans. **Provided**
 - Bollards are required in the shared areas in accordance with AS 2890. **Provided**

PROPOSED CONDITIONS OF CONSENT.

1. Building Maintenance and material selection

All materials proposed reflect what is being constructed at the neighbouring Jordan Springs Northern Oval Amenities Block. Materials proposed provide development consistency.

- All external downpipes should finish above GL and have a grated drain and pit below. **Noted. Provided at CC**
- The final design of the amenities building shall ensure that there is no areas for birds to land, nest, etc. **Noted. Provided at CC**
- The high level galvanised mesh panels (50mm x 50mm) aperture shall be replaced with louvered/expanded mesh material. **Refer to opening statement**
- All external compressed fibre cement sheeting to be prefinished 12mm vitapanel or equivalent. **Refer to opening statement**
- The VM Zinc standing seam cladding may not be appropriate for an amenities building that will be exposed to a high level of vandalism and graffiti. Dents will not be able to be repaired and graffiti removal will leave unsightly marks leaving the building aesthetically unappealing, which will require Council to remove the cladding and replace it with a more suitable alternative. **Refer to opening statement**
- All external exposed steelwork shall be hot dipped galvanised and unpainted. **Noted. Provided at CC**
- Where external cladding tiles are grouted, epoxy grout shall be used to prevent graffiti and/or facilitate graffiti removal. **Noted. Provided at CC**



- All external doors to be solid core, clad with a sheet of 1.2mm galvanised sheet metal cut the same size as the internal jamb opening. **Noted. Provided at CC**
- The locking system is to be on Councils Master Abloy Key System. **Notde. Provided at CC**
- All external gates and doors to have ADI locks and Council standard security shielding. **Noted. Provided at CC**
- The driveway entrance to the carpark shall be fitted with a lockable gate (this shall be consistent with the southern car park) **Provided**
- Prior to the issue of a Construction Certificate, an additional footpath linkage from the southern car park to the footpath running north/south on the western side of the proposal shall be provided **Noted. Provided at CC** and the footpath provided into the village oval in the south-eastern corner is to be removed. **This footpath provides access to the new fitness station**
- A AMLAK key system is to be provided to the accessible WC. **Noted. Provided at CC**
- Baby change facilities shall be provided to the amenities building. **Noted. Provided at CC**
- The design of the kiosk shall ensure there is no cabinetry which would inhibit accessibility and the counter shall be of relative height to ensure universal access to both patrons/customers and volunteers/workers. **Provided**
- All footpath levels shall comply with AS1428. **All footpath levels comply with AS1428.**
- All surfaces to be robust and washable. **Noted. Provided at CC**
- Ensure there are no nooks /crevices where rubbish or syringes/needles can be hidden.
- Minimise horizontal ledges where needles can be stored. If ledges are required provide slight slope to surface. **Noted. Provided at CC**
- Ambulant and disabled facilities to comply with current AS1428.1 unless otherwise noted. **Ambulant and disabled facilities to comply with current AS1428.1**
- Ensure all circulation space throughout complies with AS1428.1 2009. **All circulation space throughout complies with AS1428.1 2009**
- Kiosk / Utilities - Relocate structural post into wall so not to obstruct rooms circulation space. **Design Revised**

2. Wet Area

- Floor: Slip resistance of tiles to comply with relevant Australian Standards and HB197 Skirting: Cove skirting min 25mm radius **Noted. Provided at CC**

3. Kiosk

- KIOSK to comply with Councils Food Premises Design and fit-out guide/AS4674-2004/Food Safety standards 3.2.2 **Noted. Provided at CC**
- Floor: Slip resistance of tiles to comply with relevant Australian standards **Noted. Provided at CC**
- Structure: All fixings to post to be below ground ie/ fixings to be recessed – eliminate trip hazard. **Noted. Provided at CC**
- The internal floors will be hosed/mopped – care on the detailing to the base of post,- and issues with rusting to base / prefer structure within wall plane. **Noted. Provided at CC**
- Ensure fixing to all post below ground (no protruding screws- eliminate trip hazard)
Suggestion:
Grout to wall tiles – dark grey (assist with graffiti removal.) **Noted. Provided at CC**

4. Fencing

- A minimum 1.2 metre fence shall be provided in all nominated fencing locations. **Provided**



- In addition to the fencing on the approved plan - 1.2m high black chain mesh to the Eastern and Southern edges shall be provided. **Provided**
- Any future plans/designs for fencing must maximise natural surveillance from the street to the oval or any recreational facilities or amenities, and minimise the opportunities for offenders to hide. **Noted. Provided at CC**

5. Seating

- The types of seating selected for all parts of the Village Oval are to accommodate the needs of different people include seats with support on both sides for people with Cerebral palsy or MS as well other forms of seating to accommodate for a wheelchair access. **Noted. All seating details to be provided at CC**

6. Lighting

- All carpark lighting shall be a minimum P12 standard and be censored to prevent lighting obstruction and intrusion to surrounding residents. **Provided**
- In accordance with the Public Domain Lighting Policy, only those areas intended for night-time use shall be lit. Lighting of areas which are not intended for night time use, particularly those areas with minimal opportunities for passive surveillance, can provide spaces which may encourage unauthorised activities and antisocial behaviour. **Noted. Provided at CC**
- Any shared pathways are intended for night time use, then they must be lit to a minimum of P4 standard. **No night time pathways provided**
- Lighting must be vandal resistant and must not produce glare for nearby residential properties. **Provided**

7. Carpark

- Landscaping of the car park, both peripheral and within the area shall not reduce the specified level of lighting. **Noted. Provided at CC**
- Prior to the issue of an Occupation Certificate, appropriate signage is to be installed clearly indicating car park opening and closing times. **Noted. Provided at CC**

8. Building Security and Access Control

- The amenities buildings must be of sturdy construction to prevent vandalism and damage. This includes toilets, taps, basins, doors, mirrors, Australian Standard locks, and lighting. **Noted. Provided at CC**
- Signage must be clearly displayed in amenities building to indicate the location of male, female and accessible toilets. **Noted. Provided at CC**
- No seating shall be located near change room and toilet facilities. **Noted. Provided at CC**
- The name of the area should be prominently displayed for identification for emergency services. Effective signage and/or directional signs must be installed to provide guidance to visitors in locating prohibited areas as well as areas of interest such as contact numbers for maintenance, security, council, Police and relevant emergency services. **Noted. Provided at CC**
- Warning Signs shall be erected in relation to prohibited activities within the area controlling activities and movements throughout the grounds. **Noted. Provided at CC**



9. Landscaping

- Vegetation must not impede visibility between the car park, recreational equipment including the 'Adizone' area, parkour area, fitness equipment, sporting oval and courts. **Noted . Provided at CC**
- Avoid medium height vegetation with top to bottom foliage. **Noted. Provided at CC**
- Trees with dense low growth foliage should be spaced of crow raised to avoid a continuous barrier. **Noted. Provided at CC**
- Sight lines should not be impeded by the implementation of the 'turf viewing mound' from behind the mound to the sporting oval to allow for passive surveillance at both sides of the mound. **Noted. Provided at CC**
- Ovoid placing vegetation which impedes the view of the car park and entrance to the oval from the street. **Noted. Provided at CC**
- All new vegetation must take into consideration the position of lighting, so that vegetation does not reduce effectiveness of lighting in the future. **Noted. Provided at CC**
- Prior to the issue of a Construction Certificate, additional landscape detail which nominates additional trees within the learn to ride playground is to be provided. The consideration of additional tree location and specie selection should have regard to sight lines from supervising areas to the learn to ride playground and it's surrounds. The objective of the additional planting is to provide shading to the users of the playground. **Noted. All planting Details to be provided at CC**

10. Space Management and Maintenance

- All facilities must undergo regular landscaping and maintenance to ensure that the area remains aesthetically pleasing at all times, this will discourage anti-social behaviour and destruction of property. **Noted. Provided at CC**
- All recreational equipment including any fixtures in the BBQ and all recreational areas (e.g. seating, bins, parkour equipment, gym equipment, awnings, lighting) must be sturdy in construction, immovable, coated in graffiti resistant coating to ensure that it is 'vandal-tough'. **Noted. Provided at CC**
- Any blank walls or large expanses of fencing should be 'green screened' however avoid this practice at toilet and change room amenities. ('Green Screening' is the use of wall hugging vegetation that cannot be hidden behind). **Noted. Provided at CC**
- The location of bins should take into account the proposed use of each area within the site and be placed at key activity areas, such as the car park, amenities building, BBQ area and near seating. Making it easier for people to dispose of rubbish can assist in litter prevention and preserve the amenity of public spaces. **Noted. Provided at CC**
- **Prior to the issue of a construction Certificate** further detail of the proposed drainage/irrigation system is required. The irrigation will need to be linked back to the control system at Councils depot. **Noted. Irrigation system to be provided at CC**
- The development is provided SMS based control system for the sports ground floodlighting **Noted. Provided at CC**
- A tap shall be provided close to the BBQ for maintenance purposes **Noted. Provided at CC**

11. Biodiversity matters

- No native trees or other vegetation (including shrubs and other understory vegetation) are to be removed, ringbarked, cut, topped, lopped, slashed or wilfully destroyed (other than those on the approved Tree Removal plan (plan # 934315/DA03 B) prepared by J. Wyndham Prince, 19/2/2014) without the prior consent of Penrith City Council and in



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accordance with Council's Tree Preservation Order and Policy. **Noted. Provided at CC**
All tree protection measures outlined in the Arboricultural Impact Assessment (Arboreport, 20/2/2014) are to be implemented to their full extent. **Noted. Provided at CC**

- Felled trees are to be re-used within the Jordan Springs area as large-woody debris habitat features. This should ideally be within proposed natural areas such as the riparian corridor. Mulching is only to be carried out if necessary and all much is to be used within the Western Precinct and is not to be used in the Regional Park. **Noted . Provided at CC**
- Prior to the removal of any trees associated with subdivision/development activities, an inspection for hollows and hollow dependent threatened fauna is to be undertaken under the supervision of a fauna ecologist. Any fauna found are to be relocated. Should juveniles be contained within the affected tree then clearing is to be delayed until juveniles have vacated. **Noted. Provided at CC**
- *Angophora costata* as identified on the Indicative Tree List in Appendix D of the Development Application is to be replaced with *Eucalyptus tereticornis*. *Angophora costata* has been approved on previous Lend Lease parks within Jordan Springs.

Yours faithfully

Clouston Associates

JED WHITAKER

Senior Landscape Architect

B.L.A.R.C.H. (HONS)



VILLAGE OVAL JORDAN SPRINGS

LANDSCAPE DEVELOPMENT APPLICATION

JOR-0003 Issue P4 11/06/14



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VILLAGE OVAL JORDAN SPRINGS LANDSCAPE DEVELOPMENT APPLICATION

Client:
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Prepared by

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Document	Issue	Date	Reviewed	Verified	Validated	Status	Comment
JOR 0003	P1	17/02/2014	LM	JW	ED	DRAFT	For Review
JOR 0003	P2	19/02/2014	JW	JW	ED	DRAFT	For Review
JOR 0003	P3	20/02/2014	JW	JW	ED	DA ISSUE	
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VILLAGE OVAL JORDAN SPRINGS



Source: Google Maps (2013)

SITE LOCATION & CONTEXT

The Village Oval is centrally located within the Jordan Springs Residential Development and is bound by Greenwood Parkway (to the North), Alinta Promenade (to the East) and Cullen Avenue (to the South). The Western side of the site is bound by the new Riparian Corridor.

DESCRIPTION OF EXISTING SITE

The existing site consists of open, gently sloping grassland with stands of Eucalyptus trees to its Western boundary. The site is presently fenced off and is being used by the developer to stockpile earthworks from the surrounding development. To the North East of the site, a large, operational, electrical substation is located. To the South East of the site, a 30 space carpark with boom gates has been constructed.



Source: Lend Lease (2013)

INITIAL CONCEPT DESIGN

The initial design concept produced was a layout which addressed key areas vital to the success and longevity of the Village Oval.

FINAL CONCEPTUAL DESIGN

The final concept design builds on the initial concept by the incorporation of additional elements to improve the parks functionality and safety. The footpaths were slightly revised to provide a strong entry axis that aligned with the Amenities Block, which also improved site surveillance. Paths were slightly realigned for functional purposes throughout the site.

The Amenities block, and Adizone setout were repositioned to reduce encroachment on the existing Tree Protection Zones. The designed landscape will ultimately have minimal impact on the existing trees that are to be retained.

DESIGN MANDATE

- Park Structure** - The park is to incorporate a wide selection of elements that come together to accommodate a variety of users of different age groups, resulting in a local park that creates a sense of ownership and wellbeing for the local residents and community.
- Provide Diverse Recreation** - The Village Oval has a large range of recreational facilities including the Oval, hardcourts, a learn to ride facility with play, Adizone and parkour to meet the diverse range of sporting and recreation needs of the community. This has resulted in the provision of adequate space to accommodate all recreational activities, as well as passive recreation opportunities, and opportunity for community events.
- Establish Green Infrastructure** - Promote active linkages within the Park to existing, and future parks across Jordan Springs and the wider community, thereby creating a network of shared pathways for walking/running/cycling for the local community.
- Preserve Biodiversity** - Retention, protection and enhancement of existing native vegetation that urge trees have been retained where possible and the designed Landscape avoids encroachment on Tree protection Zones as far as possible.
- Sustainable Design and Environmental Conservation** - The design aims to reduce long-term maintenance to ensure the realisation and perpetuation of the design intent. Plant materials have been selected to be noninvasive and require low maintenance. The design will conserve the natural features of the site to the greatest extent possible and provide for the continued ecological health of the park.
- Visual Surveillance** - The Village Oval is in clear sight from all surrounding roads, maintaining a good level of casual surveillance. This has also been encouraged by the selection of clean trunked trees providing uninterrupted views into the area.

DESIGN COMPONENTS

Turfed Playing Surface.

The main focus of the Village Oval is the multi- functional outdoor turf playing area. The sports this area will accommodate are most notably Rugby, Rugby League, Cricket, Football, AFL as well as informal kick around space. The large playing surface provides the local community with an area to gather and support the local teams (young and old), as they play neighbouring suburbs. The turf playing surface can also be used for many additional activities such as community events, festivals and markets.

Fitness Stations

To the perimeter of the turf playing surface is a shared pathway which has been setout to incorporate 4 fitness stations that link into a wider fitness trails of Jordan Springs. The range of fitness equipment selected (which is currently in use around Jordan Springs Lake), Offers four types of activities; strength, flexibility, cardiovascular, and balance.

Hardcourt Recreational Facilities

Positioned on the Northern side of the park, two recreational hardcourts have been provided for the community (Netball and Basketball). This space provides local residents with the opportunity to utilise the space for activities that require large, hard surfaced areas.

Adizone

The Adizone aims to inspire the local community to get involved in sport. It provides an non intimidating environment that has been designed to boast many sporting activities which can be enjoyed as an individual, or as a group. The wall stand with hard surface allows the user to experience, and compete in a variety of sports including Football, Tennis and Cricket to name a few. Refer to SK9 for indicative image.

Parkour

Parkour is a non-competitive activity, which can be practiced alone or with others. It can be practiced in any location, and involves seeing one's environment in a new way, and imagining the potentialities for movement around it. The Village Oval will look to provide the first designed Parkour Park in Australia, guided by Parkour NSW. Further information has been provided on SK 10.

Learn to Ride Playground

This playground is located conveniently at the centre of the park which provides natural safety for its primarily younger users by being enclosed by planting and trees to provide shade. It's basic function is to provide young children with a safe and fun environment to learn how to ride. The track will eventually be setout with vehicular road signs and markings to help to teach children about the dangers of cycling in a safe environment.

Shelters

Shelters will be accompanied by tables, chairs and BBQ equipment that provide areas for small gatherings and local events. All shelters have clear sight lines to the adjacent amenity blocks and the learn to ride playground which allow parents to keep a localised view on their children. There is also an additional shelter situated by the Adizone to provide shade and amenity for its users.

Amenities Block.

The Amenities Block provides the Village Oval with male, female and referee changing rooms, toilets, storage, kiosk, and first aid. Further information has been provided by Suters Architects on sheets SK 11 - 15.

Proposed Vegetation

The Village Oval will offer two distinct types of vegetation: Screening and Parkland vegetation. Screening vegetation will include native grasses, shrubs and low branching trees planted at high density to screen the Electrical Station. The rest of the Oval will be parkland vegetation which will provide clean trunked vegetation to allow for uninterrupted views across the Oval while also helping to improve passive surveillance. Feature shrubs and native grasses will promote users to enter the park at designated entrances.

Furniture

Furniture will be selected for durability, ease of maintenance and aesthetic and functional qualities. Benches, bins, shelters, picnic tables will be consistent with those used throughout the Jordan Springs development.















Access

The site will be easily accessible from the designated entry points. While users will be able to gain entry from all the site boundaries they will be encouraged to use one of the six pedestrian entry points situated around the perimeter of the Village Oval.

Maintenance

The design minimises maintenance through appropriate selection of hard and soft materials.

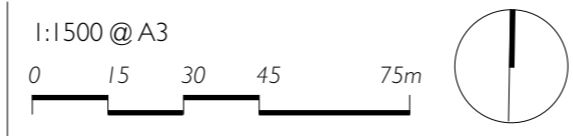
LEGEND

-  Site Boundary
 -  Proposed Tree
 -  Existing Tree
 -  Removed Tree
-
-  Turf
 -  Dryland grass
 -  Planting
 -  Entry feature planting
-
-  Concrete Footpath (2.5 metre). All footpaths comply with AS1428
 -  Hard court sporting surface
 -  Asphalt carpark
 -  Shelter/BBQ
 -  Fitness station (x4). Norwell Range
 -  Learn to ride playground (Road markings etc to future detail)
-
- +40.33** Proposed design levels. Refer to Engineers documentation for further information

- Shelter
- New lockable gate to carpark. Consistant with Southern carpark
- Electrical substation
- Adizone
- 50 space carpark
- Amenity building (to architects detail) hardstand area to the south
- Removeable Bollards (x13)
- Remediated riparian Corridor
- Turf viewing mound
- Trees to provide shade to mound
- Turfed playing surface (Rugby, Cricket, AFL etc)
- Fitness station
- 2.5m wide Shared path



- Shelter/BBQ
- Basketball/netball courts
- Parkour area to future detail
- Learn to ride playground
- Trees to provide shade to play space
- Shelter/BBQ
- Vegetation to provide shade for spectators
- 1.2m High black chain mesh to the Eastern and Southern boundaries of the Sporting Oval
- Carpark (30 spaces already constructed)
- Exiting lockable gate and carpark

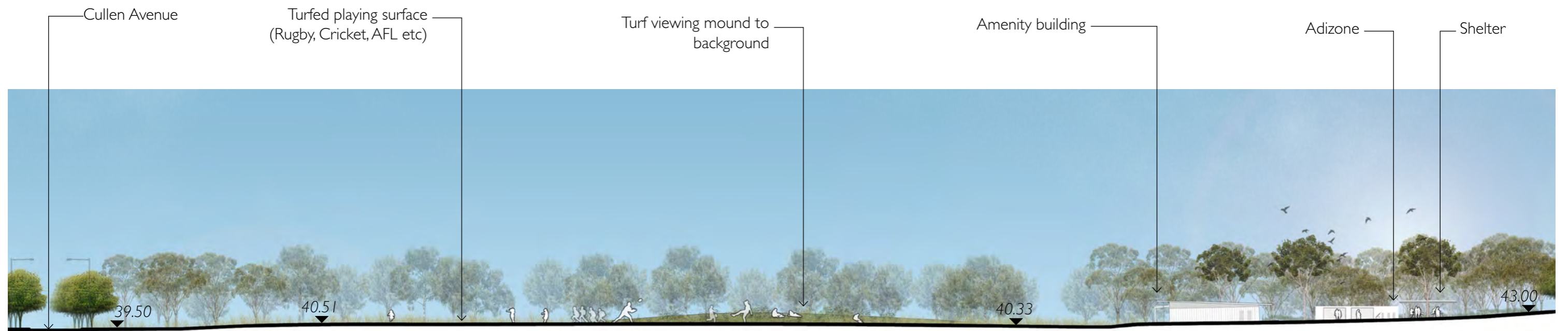


Village Oval • Jordan Springs

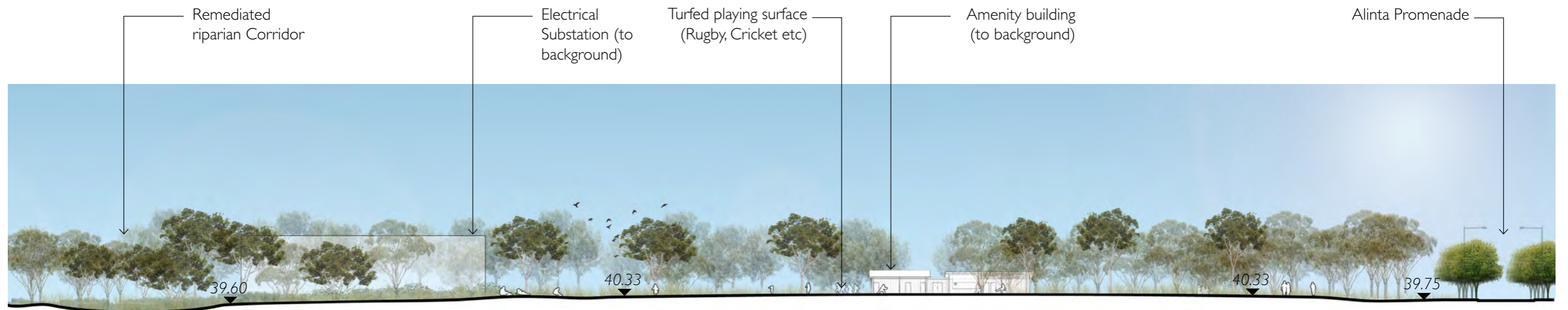
LANDSCAPE MASTERPLAN

JOR-0003 DA 4

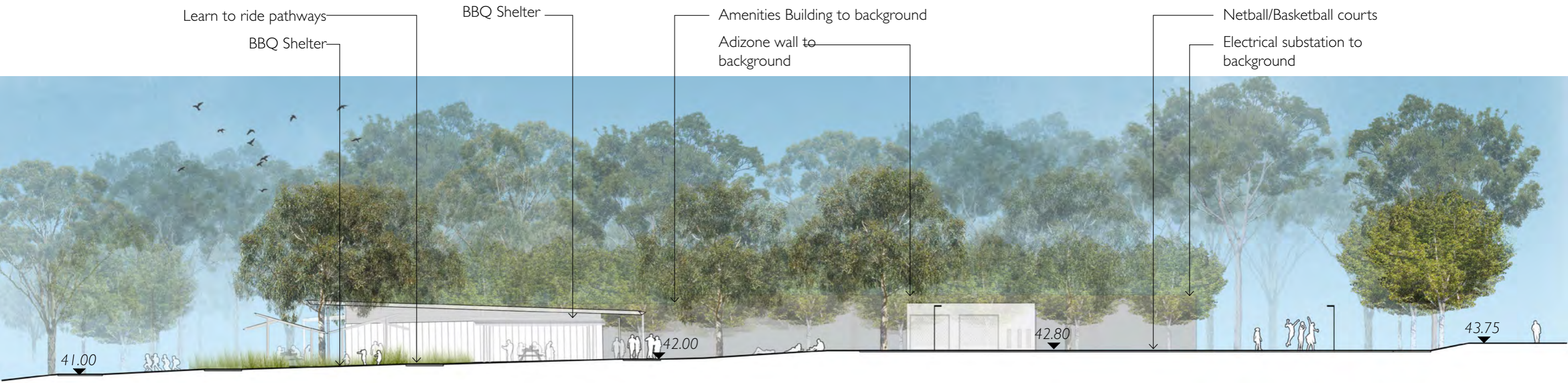
11/06/14 Issue: P4



Section A-A



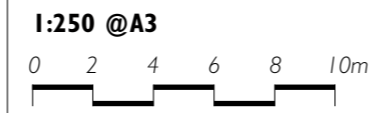
Section B-B



Section C-C



Section D-D



Village Oval • Jordan Springs

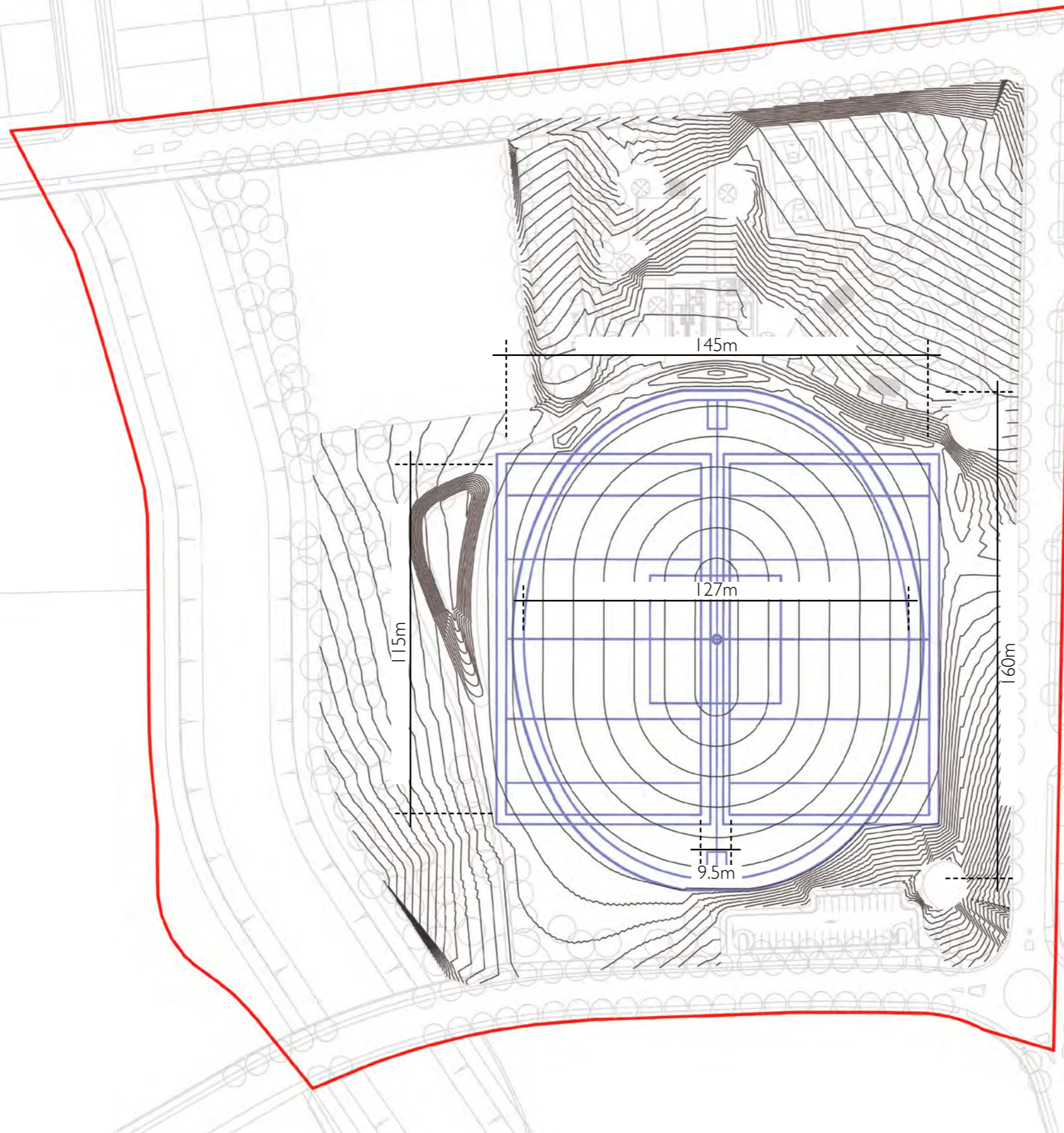
LANDSCAPE SECTIONS SHEET 2 OF 2

JOR-0003 DA 6

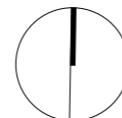
11/06/14 Issue: P4

LEGEND

- Site Boundary
- Sports Field Markings
- Proposed Contours
- Existing Contours



1:200 @A3



Village Oval • Jordan Springs

SPORT FIELDS DIMENSIONS

JOR-0003 DA 7

11/06/14 Issue: P4

Indicative Trees



Acer freemanii 'Autumn Blaze'
Red Maple



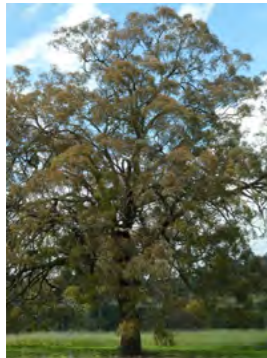
Brachychiton acerifolius
Illawarra Flame Tree



Cupaniopsis anacardioides
Tuckeroo



Jacaranda mimosifolia
Jacaranda



Eucalyptus crebra
Narrow-leafed Ironbark



Pyrus ussuriensis
Manchurian Pear



Eucalyptus sclerophylla
Scribbly Gum



Angophora costata
Smooth barked apple

Indicative Groundcovers/Grass Planting



Carex appressa
Tall Sedge



Cerastium tomentosum
Snow in Summer



Convolvulus cneorum
Silverbush



Doryanthes excelsa
Gynea Lily



Gaura lindheimeri 'Ballerina Blush'
Ballerina Blush



Hardenbergia violacea
Native Sarsaparilla



Liriope muscari 'Evergreen Giant'
Evergreen Giant



Juniperus wiltonii 'Blue Rug'
Blue Rug Juniper



Dianella caerulea
Blue Flax Lily



Lomandra filiformis
Wattle Mat Rush



Themeda australis
Kangaroo Grass

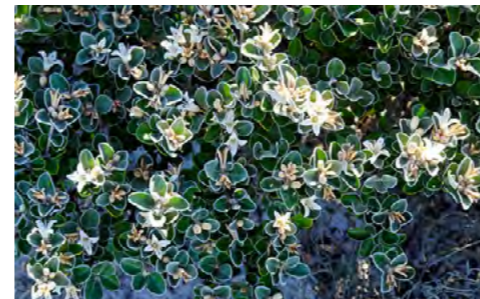


Grevillea 'Poorinda Royal Mantle'
Prostrate Grevillea

Indicative Shrub Planting



Babingtonia bidwillii
Twiggy Heath Myrtle Dwarf



Correa alba
White Correa



Raphiolepis indica 'Apple Blossom'
Apple Blossom



Westringia 'Mundi'
Mundi



Adizone



Shade shelters will encourage local group and family use for passive recreation.



Moduplay Fitness equipment - Norwell Range



Open space defined by planting will allow areas to be clearly identified, providing an informally structured park. Sight lines from residential properties through the park are maintained.



Learn to ride bike path & playground



Outdoor basketball and netball courts



Turfed embankment for sports field viewing



Mass planted entrances



Turfed playing surface (Rugby, Cricket, AFL etc) for sport/recreation



Turfed playing surface (Rugby, Cricket, AFL etc) for sport/recreation



Broom finished concrete shared user path



Views through clean trunked trees



Parkour

The essence of Parkour can be stated simply: it is the art of overcoming obstacles as swiftly and efficiently as possible using only your body. The fundamentals include running, jumping, and climbing, and we build on these fundamentals to improve our ability to pass over, under, around and through obstacles with more complex movements. Parkour is a system of fitness training that improves strength, speed, agility, co-ordination, stamina, endurance, and precision. It offers a full-body workout at any level of experience, and improves your ability to move, to harness your confidence, to change how you see the world.

For more information please visit;
www.youtube.com/watch?v=iXG5rRZkyTE
www.parkourns.com.au

Further details of the Parkour facility will be provided at Construction Certificate.



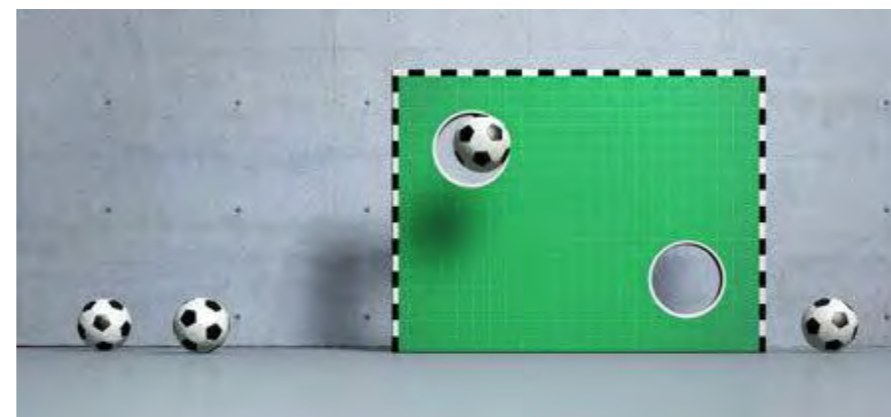


Adizone

The Adizone will provide the Village Oval with a physical backdrop that can support many different sporting activities such as Cricket, Football and Tennis (to name a few).

The Adizone's strength (and attraction), is that it can be enjoyed by large groups to hone their skills in sports, or can be engaged by individuals that can use the wall to fill in for their absent friends.

The Adizone will be unique to the Village Oval, and provide another activity for the local community to engage in.



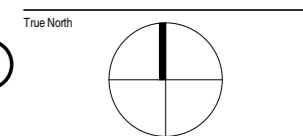
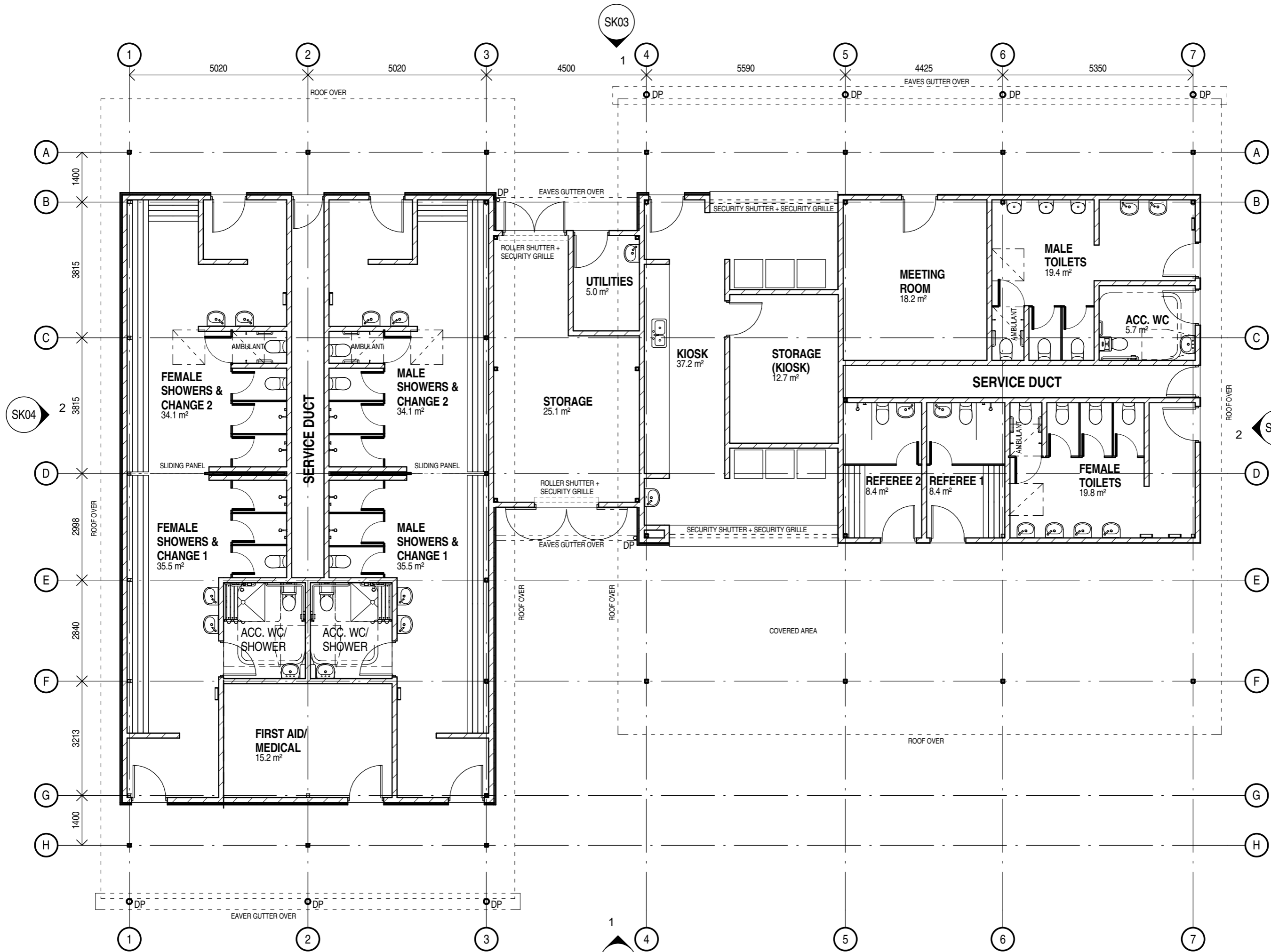
INDICATIVE ADIZONE
IMAGES

JOR-0003 DA 3

11/06/14 Issue: P4

VILLAGE OVAL JORDAN SPRINGS

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C DA RE-ISSUE	06.06.14	AM	HS
B PRELIMINARY ISSUE	04.06.14	AM	HS
A DA ISSUE	20.02.14	AM	HS

Architect
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Project
 JORDAN SPRINGS AMENITIES BUILDING - STAGE TWO

Client
 CLOUSTON ASSOCIATES

Location
 VILLAGE OVAL - JORDAN SPRINGS

Drawing
 GROUND FLOOR PLAN

Scale
 1 : 100 @ A3

Date Printed
 6/06/2014 3:56:15 PM

Project Number
 302673

Drawing Number
 SK01

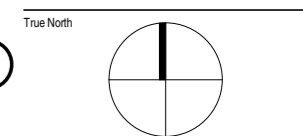
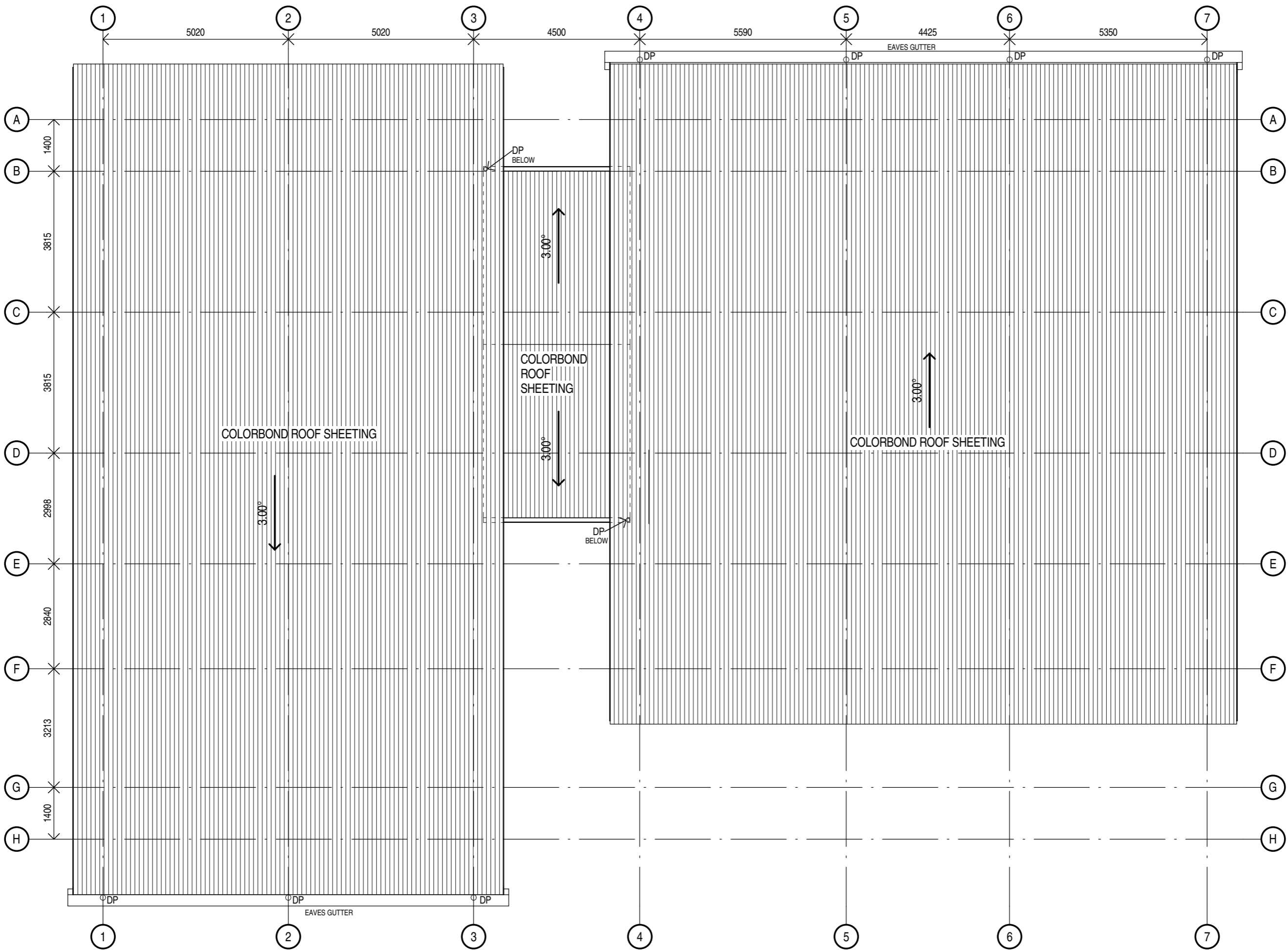
Issue
 C

File Name C:\Pw\Local\302673_STAGE 2_CENTRAL_amongrak.rvt

GROUND FLOOR PLAN
 1 : 100



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Project
 JORDAN SPRINGS AMENITIES BUILDING - STAGE TWO

Client
 CLOUSTON ASSOCIATES

Location
 VILLAGE OVAL - JORDAN SPRINGS

Drawing
 ROOF PLAN

Scale
 1 : 100 @ A3

Date Printed
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Project Number
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Drawing Number
 SK02

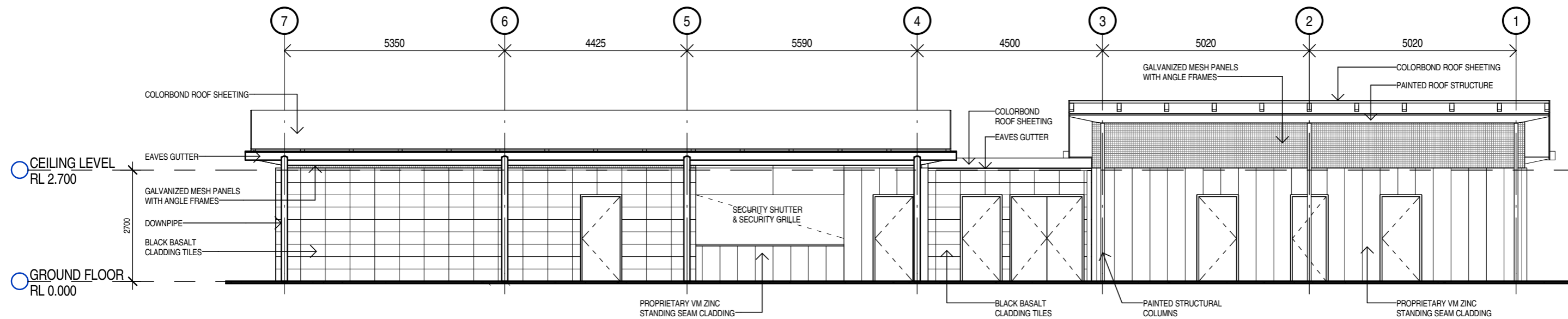
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ROOF PLAN
 1 : 100



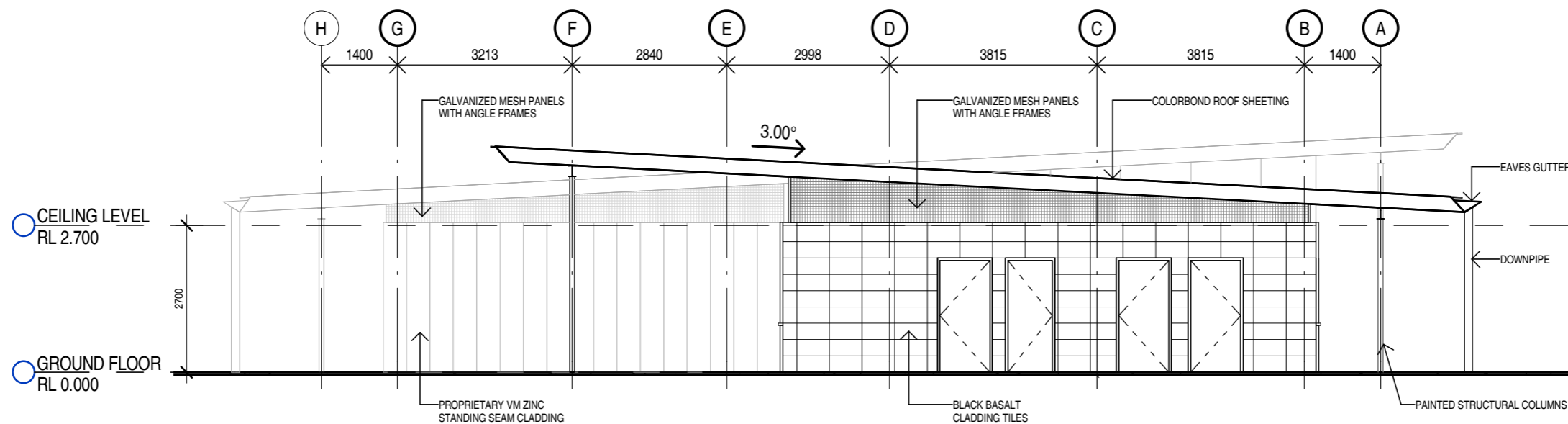
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1 400_NORTH ELEVATION
 SK01 1:100

True North



2 400_EAST ELEVATION
 SK01 1:100

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 JORDAN SPRINGS AMENITIES BUILDING - STAGE TWO

Client
 CLOUSTON ASSOCIATES

Location
 VILLAGE OVAL - JORDAN SPRINGS

Drawing
 ELEVATIONS - SHEET 1

Scale
 1:100 @ A3

Date Printed
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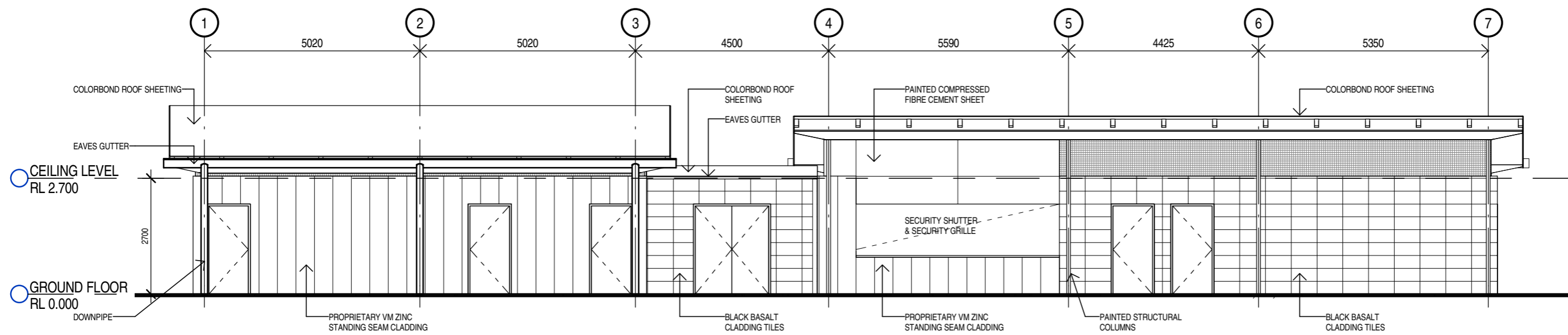
Drawing Number
 SK03

Issue
 B

File Name
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1 400_SOUTH ELEVATION
 SK01 1 : 100

True North

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A	DA ISSUE	20.02.14	AM	HS
	Issue Description	Date	Chk	Auth

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 JORDAN SPRINGS AMENITIES BUILDING - STAGE TWO

Client
 CLOUSTON ASSOCIATES

Location
 VILLAGE OVAL - JORDAN SPRINGS

Drawing
 ELEVATIONS - SHEET 2

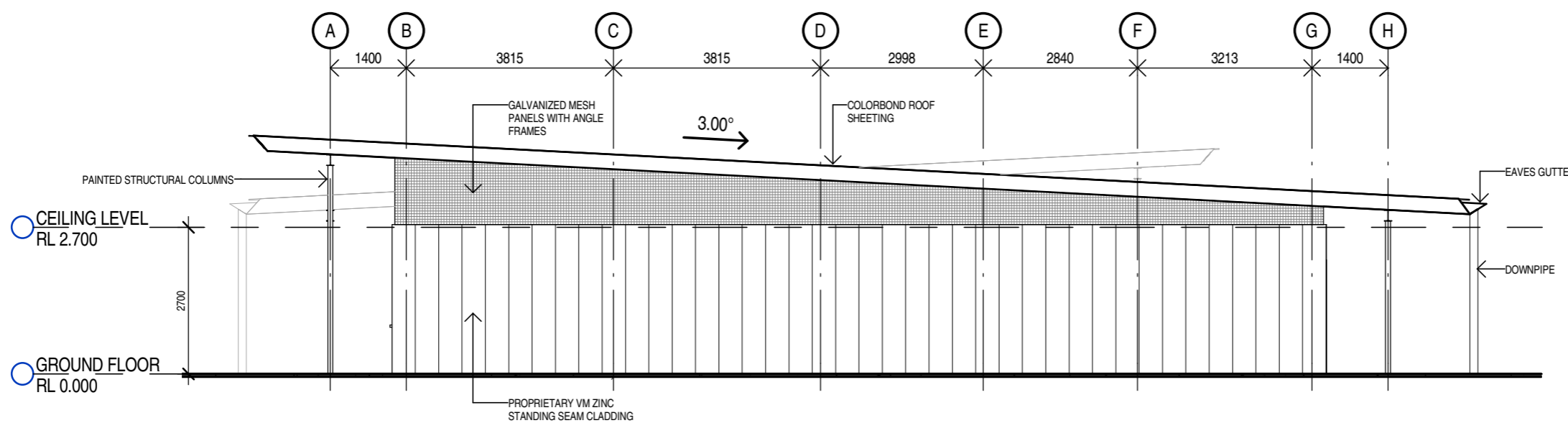
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Project Number
 302673

Drawing Number
 SK04

Issue
 B



2 400_WEST ELEVATION
 SK01 1 : 100

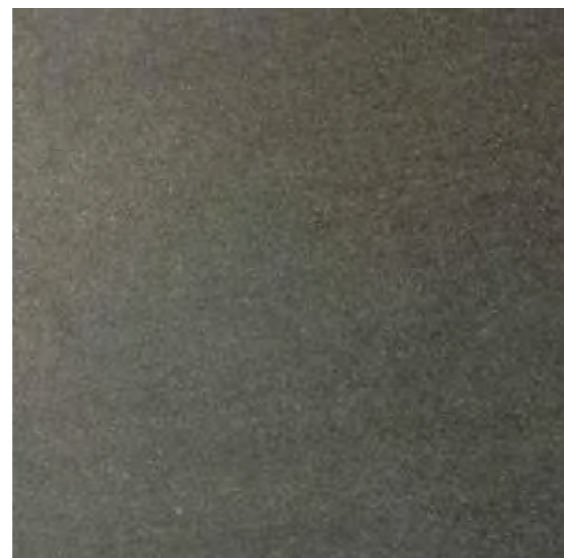


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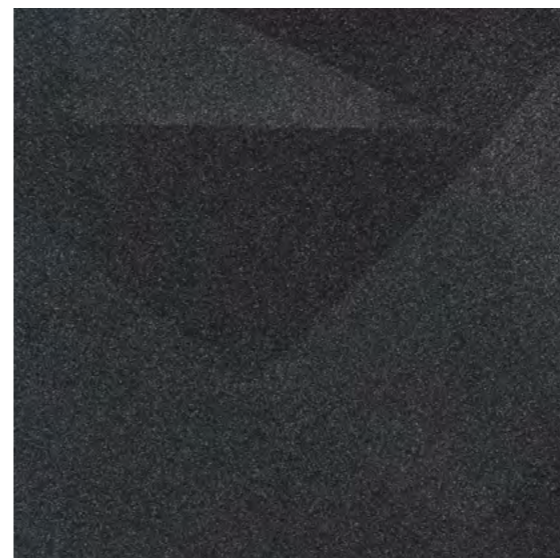
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 Robert Macindoe Nominated Architect NSW AFB 4899



EXTERNAL WALLS
 PROPRIETARY VM ZINC STANDING SEAM CLADDING
 COLOUR: QUARTZ ZINC



EXTERNAL WALLS
 BLACK BASALT CLADDING TILES
 300X600mm



EXPOSED STEEL BEAMS
 NATURAL MICACEOUS IRON OXIDE PAINT
 MUROBOND - COLOUR: CARBON 220



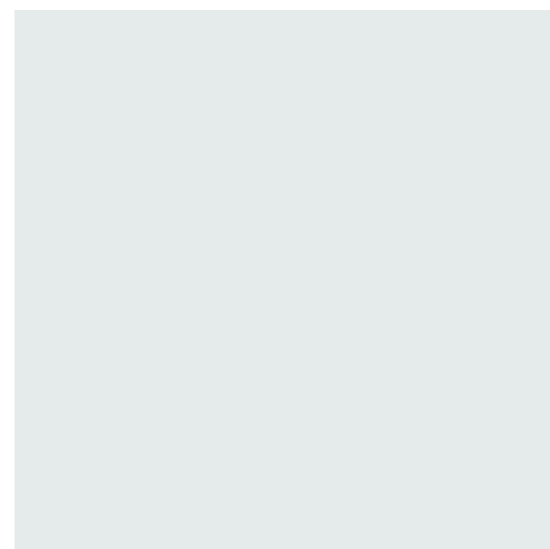
EXPOSED STEEL COLUMNS, RAFTERS,
 DOWNPIPES AND GUTTERS
 NATURAL MICACEOUS IRON OXIDE PAINT
 MUROBOND - COLOUR: GEO 212



ROOF CLADDING
 CUSTOM ORB OR LONGLINE PROFILE
 COLOUR: MONUMENT



HIGH LEVEL MESH PANELS
 STANDARD GALVANISED WELDMESH
 50X50mm APERTURE



FIBRE CEMENT AND DOORS IN GENERAL
 DULUX PAINT
 COLOUR: LEXICON



ALL WET AREAS
 CERAMIC TILES
 COLOUR: WHITE RECTIFIED
 FINISH: GLOSS
 SIZE: 300X600mm

True North

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Project
 JORDAN SPRINGS AMENITIES BUILDING -
 STAGE TWO

Client
 CLOUSTON ASSOCIATES

Location
 VILLAGE OVAL - JORDAN SPRINGS

Drawing
 PROPOSED FINISHES

Scale	Date Printed	
@ A3	6/06/2014 3:56:20 PM	
Project Number	Drawing Number	Issue
302673	SK05	B



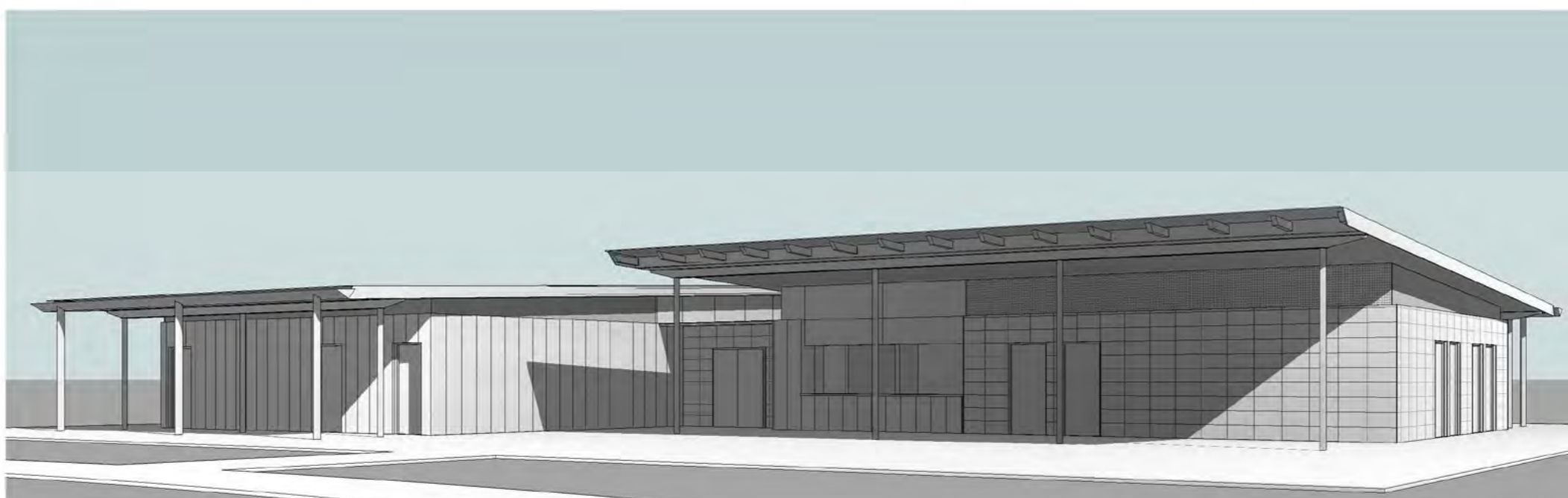
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VIEW FROM NORTH-WEST



VIEW FROM SOUTH



VIEW FROM SOUTH-EAST

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 JORDAN SPRINGS AMENITIES BUILDING - STAGE TWO

Client
 CLOUSTON ASSOCIATES

Location
 VILLAGE OVAL - JORDAN SPRINGS

Drawing
 3D VIEWS

Scale
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Project Number
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 SK06 Issue
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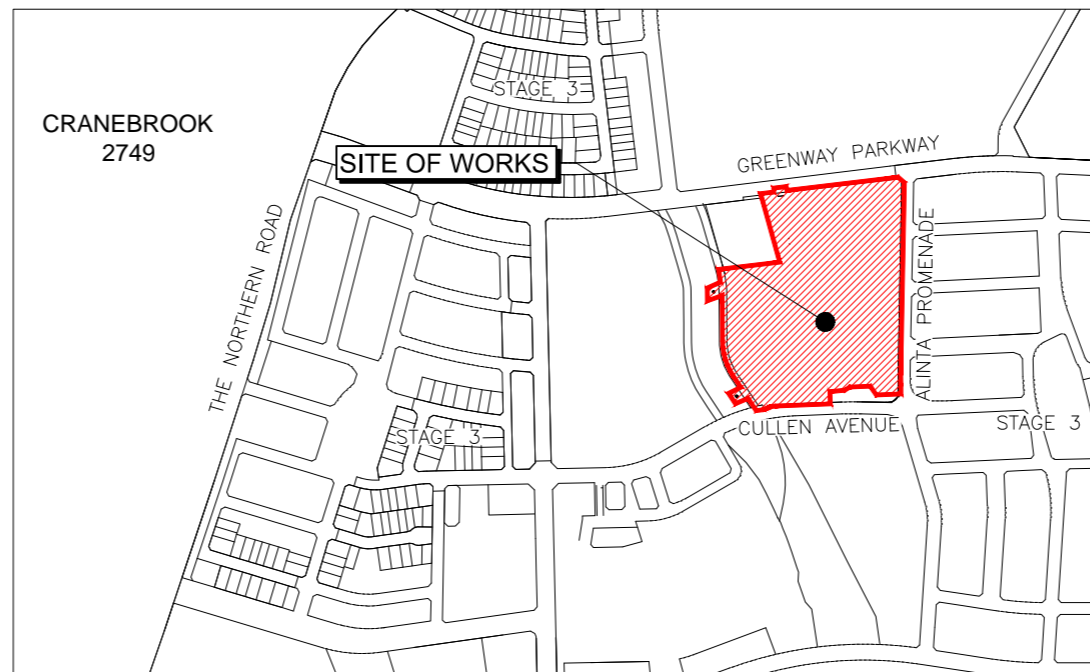


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JORDAN SPRINGS - VILLAGE OVAL DEVELOPMENT APPLICATION PROPOSED PLAYING FIELD GRADING & DRAINAGE WORKS

CIVIL PLAN INDEX		
PLAN NO.	PLAN NAME	REV
934315/DA00	COVERSHEET & INDEX	B
934315/DA01	ENGINEERING PLAN 1	C
934315/DA02	ENGINEERING PLAN 2	C
934315/DA03	CUT FILL PLAN	D
934315/DA04	SITE SECTIONS	B
934315/DA05	SOIL & WATER MANAGEMENT PLAN & NOTES	C



LOCALITY SKETCH

Prepared By:

J. WYNDHAM PRINCE

**CONSULTING CIVIL INFRASTRUCTURE ENGINEERS
& PROJECT MANAGERS**

PO Box 4366 PENRITH WESTFIELD NSW 2750

P 02 4720 3300 F 02 4720 3399

W www.jwprince.com.au

E jwp@jwprince.com.au

NOTE:

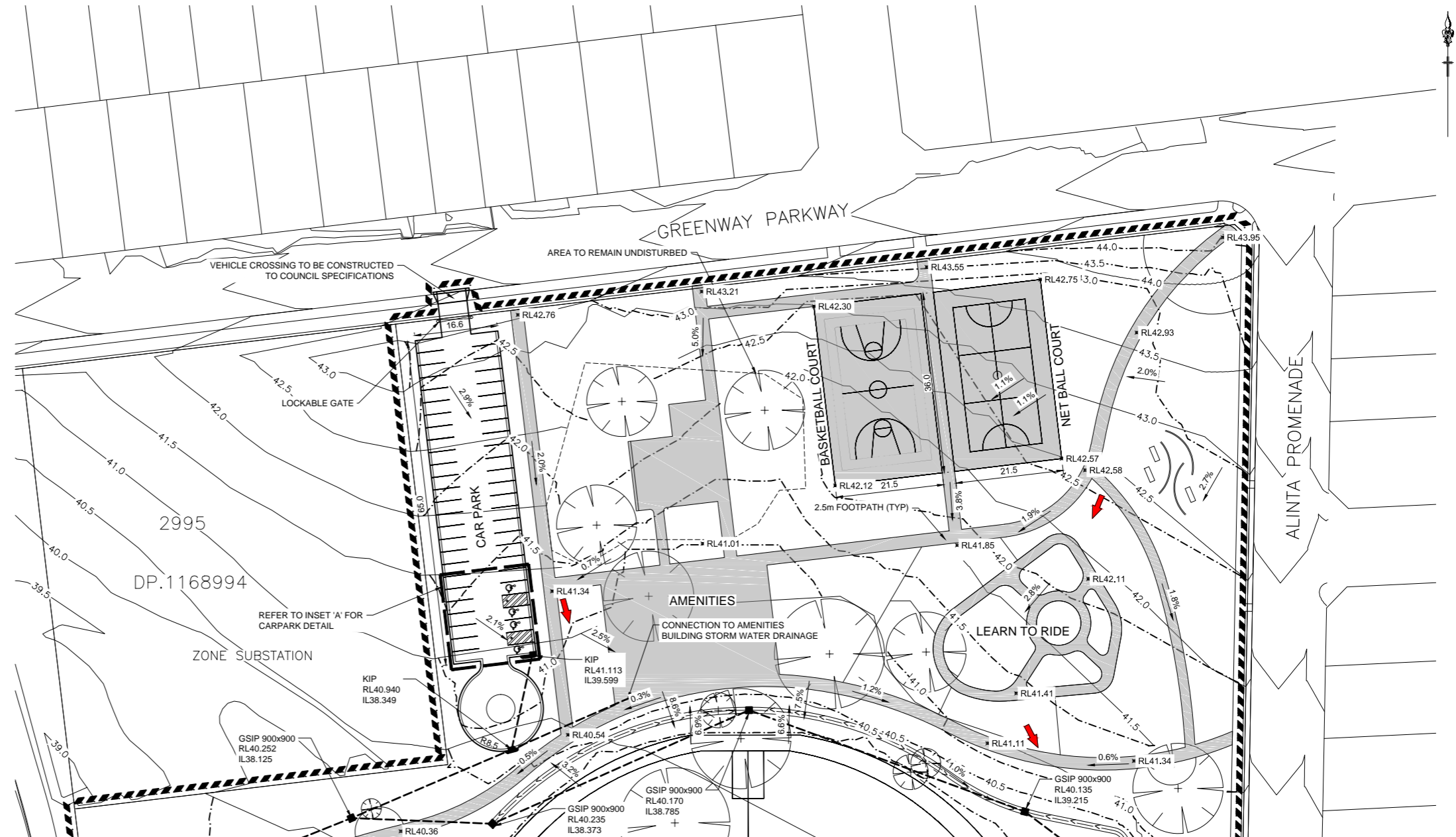
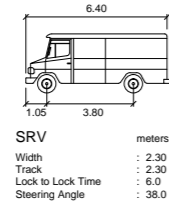
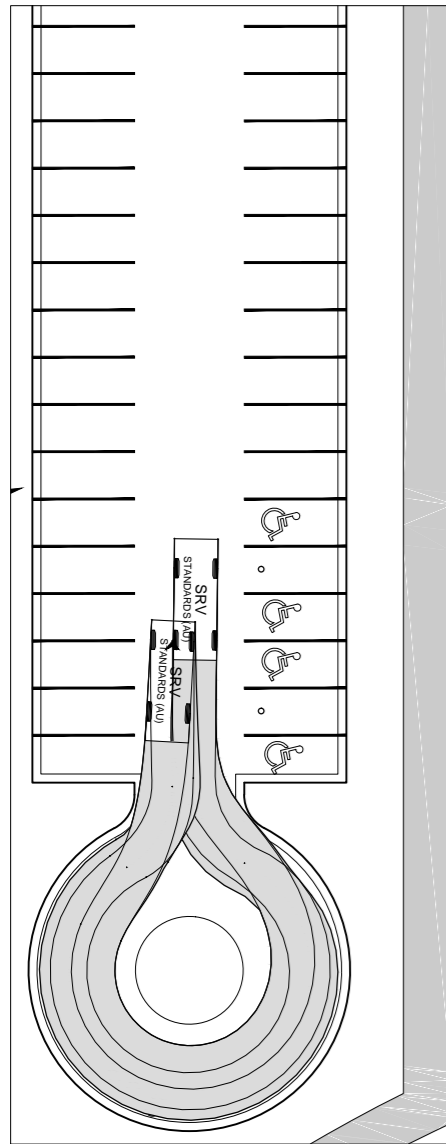
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- LANDSCAPE DESIGN BY: CLOUSTON ASSOCIATES
- IRRIGATION DESIGN BY: XXXXX
- LIGHTING DESIGN BY: XXXXX
- SERVICES DESIGN BY: XXXXX
- SUBSOIL DESIGN BY: XXXXX

**ISSUED FOR DA APPROVAL
NOT FOR CONSTRUCTION**

PLAN No. 934315/DA00 **B**

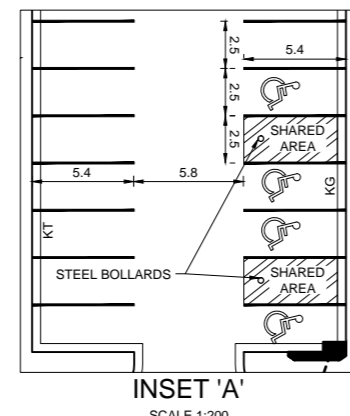
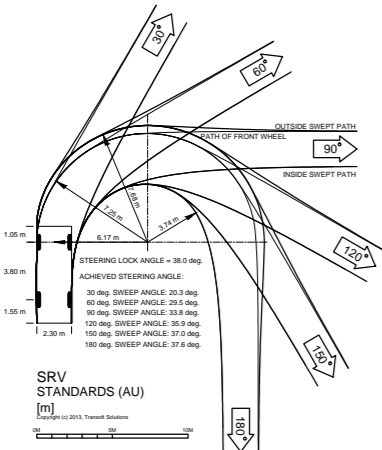
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 Plotted: 11 June 2014 9:48:42 AM File Name: J:\9343\3D\VILLAGE OVAL PK15DA - Development Application Approval Plans\934315DA01.dwg



TURNING PATH
SCALE 1:200

REFER TO DRAWING DA02 FOR CONTINUATION



NOTES:
 1) ALL STORM WATER PITS ARE TO BE LOCATED A MINIMUM OF 5m FROM THE PLAYING FIELDS
 2) ALL CATCH DRAINS ARE TO HAVE A MINIMUM LONGITUDINAL GRADE OF 1%.

LEGEND	
	101.0 DESIGN CONTOURS
	109.0 EXISTING CONTOURS
	LIMIT OF WORKS
	1.0% SURFACE GRADE
	CATCHDRAIN
	SUBSOIL DRAINAGE REFER TYPICAL DETAIL 934315DA04
	OVERLAND FLOW PATH
	DRAINAGE PIT AND LINE
	PAVED AREA, REFER TO LANDSCAPE ARCHITECTS PLANS FOR DETAILS



AMENDMENT	DES	DRN	CKD	APR	DATE
C AMENITIES BLOCK AMENDED	PS	TG	MS	KN	11/06/14
B COUNCIL COMMENTS	PS	VG	MS	KN	15/05/14
A ISSUED FOR DA APPROVAL	LVD	LVD	MS	KN	19/02/14

J. WYNDHAM PRINCE CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PO Box 4366 PENRITH WESTFIELD NSW 2750
 P 02 4720 3300 F 02 4720 3399 W www.jwprince.com.au E jwp@jwprince.com.au

AZIMUTH: MGA
 DATUM: AHD
 ORIGIN:

CLIENT:

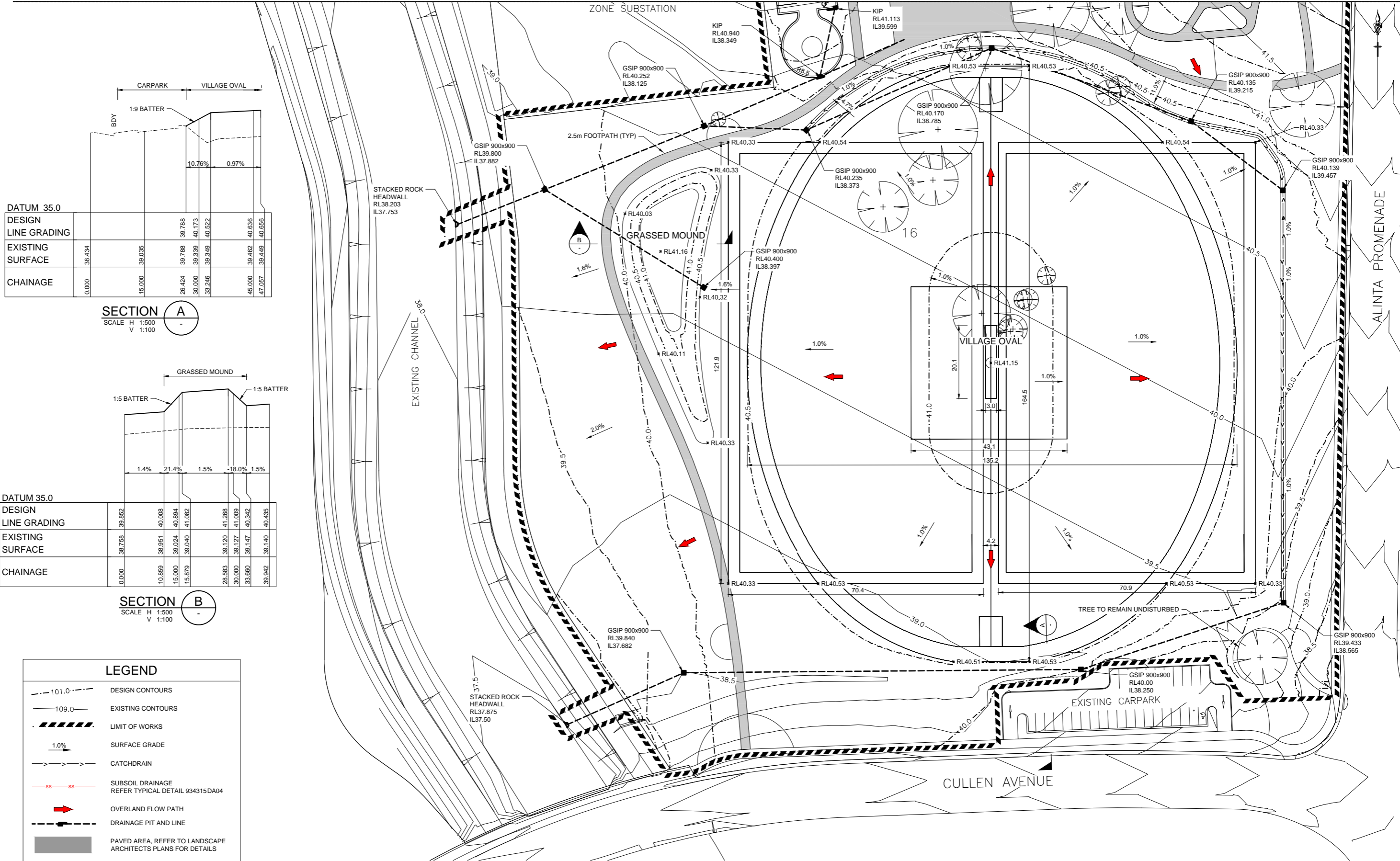
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JORDAN SPRINGS VILLAGE OVAL
 ENGINEERING
 PLAN 1

PLAN No: 934315/DA01 **C**
 FILE No: 934315DA01
 SHEET SIZE: A1 ORIGINAL

REFER TO DRAWING DA01 FOR CONTINUATION



CARPARK VILLAGE OVAL

1.9 BATTER

BDY

10.76% 0.97%

DESIGN LINE GRADING					
EXISTING SURFACE	38.434	39.035	39.788	39.339	39.349
CHAINAGE	0.000	15.000	26.424	30.000	33.246
			45.000	47.957	

SECTION A
SCALE H 1:500
V 1:100

GRASSED MOUND

1.5 BATTER

1.5 BATTER

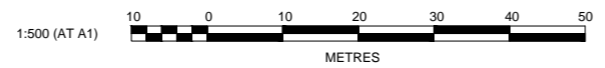
1.4% 21.4% 1.5% -18.0% 1.5%

DESIGN LINE GRADING					
EXISTING SURFACE	38.758	38.951	40.008	39.024	41.082
CHAINAGE	0.000	10.859	15.000	15.879	28.583
					30.000
					33.660
					39.942

SECTION B
SCALE H 1:500
V 1:100

LEGEND

- - - 101.0 - - - DESIGN CONTOURS
- - - 109.0 - - - EXISTING CONTOURS
- LIMIT OF WORKS
- 1.0% SURFACE GRADE
- - - CATCHDRAIN
- SS - - - SUBSOIL DRAINAGE REFER TYPICAL DETAIL 934315DA04
- ➔ OVERLAND FLOW PATH
- - - DRAINAGE PIT AND LINE
- PAVED AREA, REFER TO LANDSCAPE ARCHITECTS PLANS FOR DETAILS



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AZIMUTH: MGA
DATUM: AHD
ORIGIN:

CLIENT:

Lend Lease

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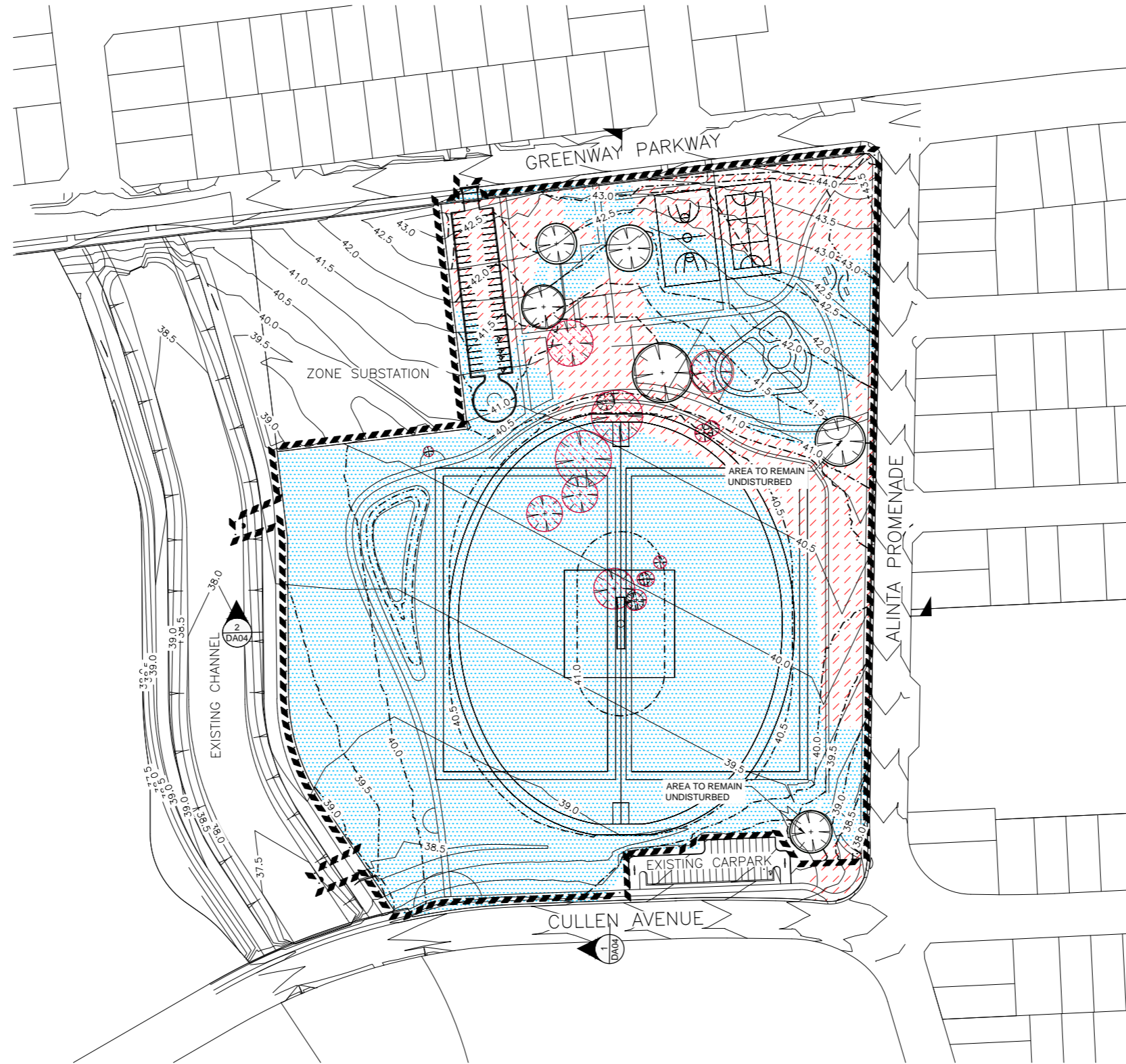
JORDAN SPRINGS VILLAGE OVAL ENGINEERING PLAN 2

PLAN No: 934315/DA02 **C**
FILE No: 934315DA02
SHEET SIZE: A1 ORIGINAL

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B COUNCIL COMMENTS	PS	VG	MS	KN	15/05/14
A ISSUED FOR DA APPROVAL	LVD	LVD	MS	KN	19/02/14

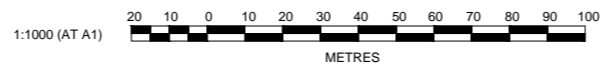
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 2014/06/11 09:35:14 AM



LEGEND	
	DESIGN CONTOURS
	EXISTING CONTOURS
	LIMIT OF WORKS
	EXTENTS OF CUT
	EXTENTS OF FILL
	TREES TO BE REMOVED
	TREES TO BE RETAINED

NOTES:

1. THE EXISTING SURFACE ADOPTED IS A COMPILATION OF PREVIOUS DESIGN SURFACES AND SURVEY DATA, AND DOES NOT REFLECT CURRENT SITE CONDITIONS. UPDATED SURVEY IS REQUIRED DETERMINE BULK EARTHWORKS QUANTITIES
2. ANY WORKS WITHIN THE TREE PROTECTION ZONES OF TREES TO BE RETAINED IS TO BE APPROVED BY THE PROJECT ARBORIST.



AMENDMENT	DES	DRN	CKD	APR	DATE
D AMENITIES BLOCK AMENDED	PS	TG	MS	KN	11/06/14
C COUNCIL COMMENTS	PS	VG	MS	KN	15/05/14
B TREE REMOVAL AMENDED	LVD	LVD			20/02/14
A ISSUED FOR DA APPROVAL	LVD	LVD	MS	KN	19/02/14

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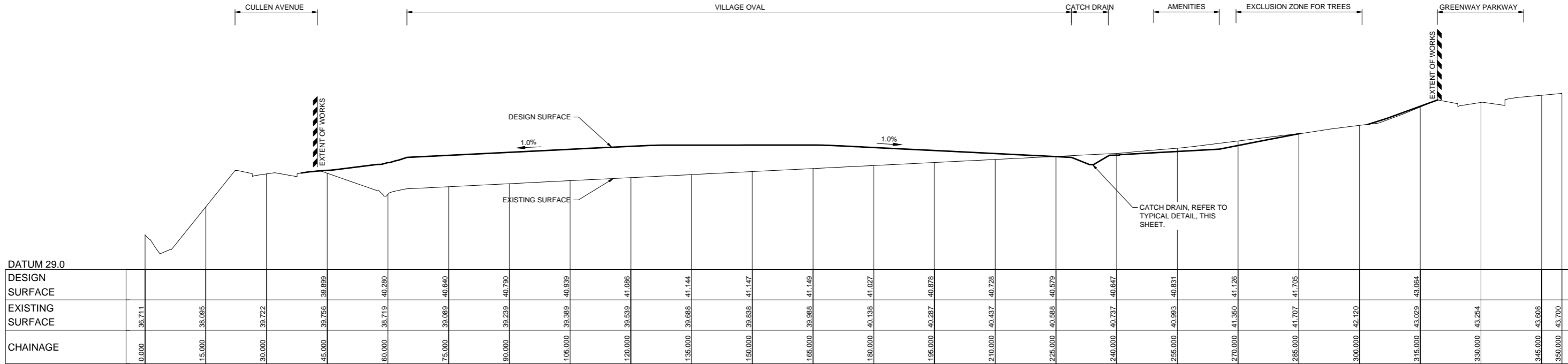
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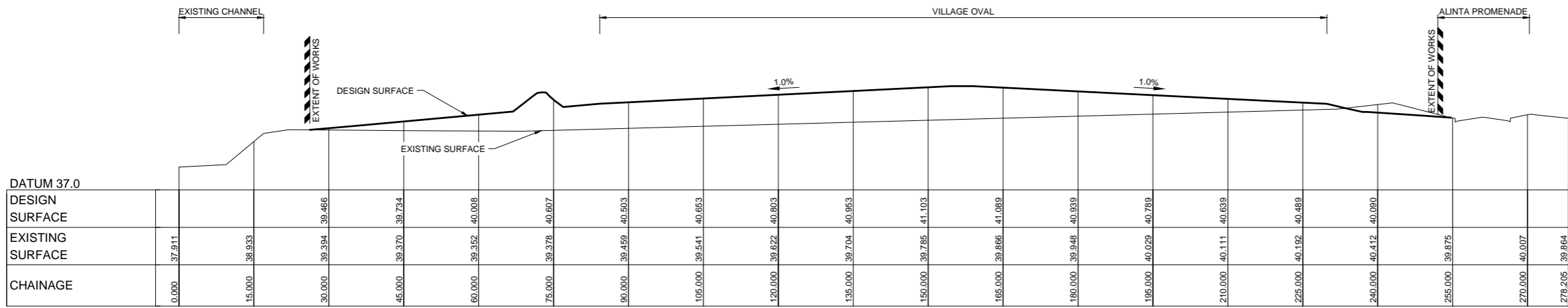
JORDAN SPRINGS VILLAGE OVAL
 CUT FILL PLAN

PLAN No: 934315/DA03 **D**
 FILE No: 934315DA03
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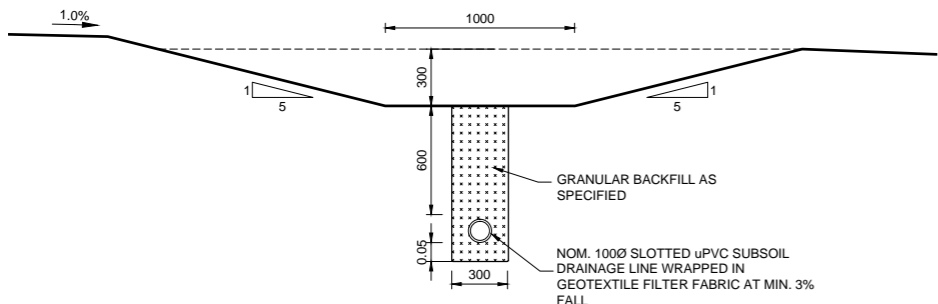
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DESIGN SURFACE				39.899	40.280	40.640	40.790	40.939	41.086	41.144	41.147	41.149	41.027	40.878	40.728	40.579	40.647	40.831	41.126	41.705	42.120	43.064	43.254	43.608	43.700
EXISTING SURFACE	36.711	36.095	39.722	39.756	39.719	39.089	39.239	39.389	39.539	39.688	39.838	39.988	40.138	40.287	40.437	40.588	40.737	40.993	41.350	41.707	42.120	43.029	43.254	43.608	43.700
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000	165.000	180.000	195.000	210.000	225.000	240.000	255.000	270.000	285.000	300.000	315.000	330.000	345.000	350.000

SECTION 1
SCALE H 1:100
V 1:500

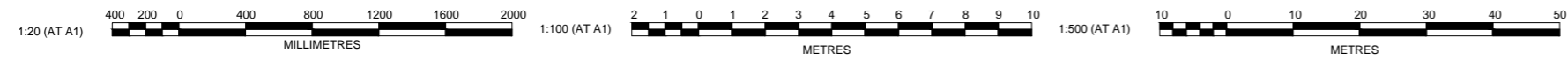


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DESIGN SURFACE			39.466	39.734	40.008	40.607	40.503	40.653	40.803	40.953	41.103	41.089	40.939	40.789	40.639	40.489	40.090	39.875	40.007	39.864
EXISTING SURFACE	37.911	38.933	39.394	39.370	39.352	39.378	39.459	39.541	39.622	39.704	39.785	39.866	39.948	40.029	40.111	40.192	40.412	40.007	39.864	
CHAINAGE	0.000	15.000	30.000	45.000	60.000	75.000	90.000	105.000	120.000	135.000	150.000	165.000	180.000	195.000	210.000	225.000	240.000	255.000	270.000	278.205

SECTION 2
SCALE H 1:100
V 1:500



CATCH DRAIN TYPICAL
SCALE 1:20



Plotted: 11 June 2014 9:35:23 AM File Name: J:\934315\DA04 - Development Application Approval Plans\934315DA04.dwg

NO.	REVISION	DATE	BY	CHECKED	APPROVED
B	COUNCIL COMMENTS	15/05/14	PS	VG	MS
A	ISSUED FOR DA APPROVAL	19/02/14	LVD	LVD	MS
	AMENDMENT		DES	DRN	CKD

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AZIMUTH: MGA
 DATUM: AHD
 ORIGIN:

CLIENT:

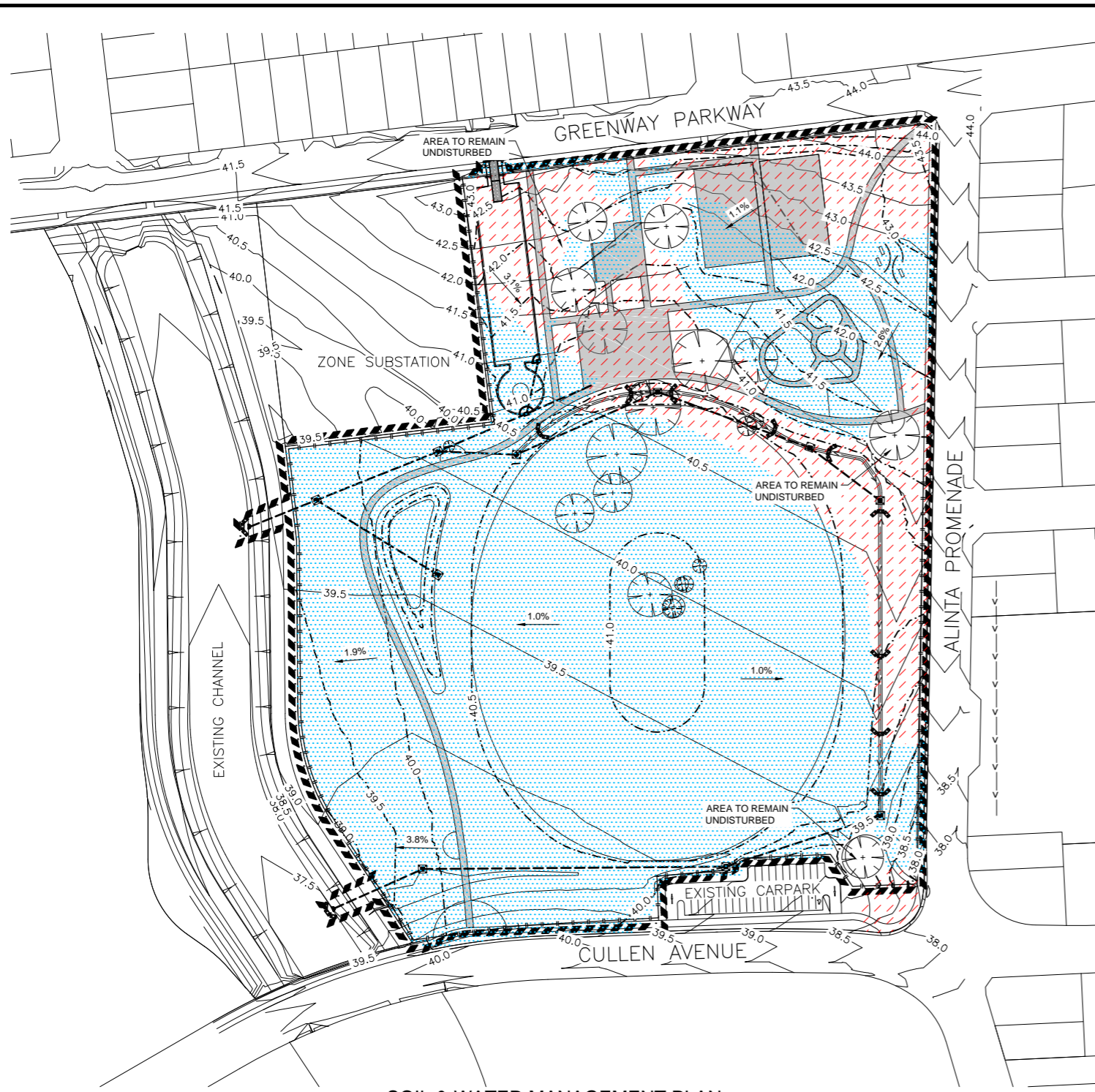
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JORDAN SPRINGS
 VILLAGE OVAL
 SITE SECTIONS

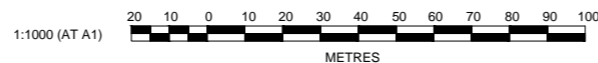
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SOIL & WATER MANAGEMENT PLAN

SCALE:1:1000



LEGEND	
	DESIGN CONTOURS
	EXISTING CONTOURS
	LIMIT OF WORKS
	SURFACE GRADE
	CATCHDRAN
	DRAINAGE PIT AND LINE
	SEDIMENT FENCE
	STRAW BALE FILTER
	KERB INLET FILTER
	GEOTEXTILE INLET FILTER
	STABILISED SITE ENTRY
	DISTURBED AREA
	PAVED AREA, REFER TO LANDSCAPE ARCHITECTS PLANS FOR DETAILS

GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "ENVIRONMENT PROTECTION AUTHORITY" AND "DEPT OF LAND AND WATER CONSERVATION". MEASURES OUTLINED IN THE SOIL & WATER MANAGEMENT PLAN MUST BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING AND AFTER THE CONSTRUCTION WORKS.
- TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
- DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
- ALL DISTURBED AREAS SHALL BE RE-VEGETATED WITHIN 14 WORKING DAYS FROM THE CONCLUSION OF LAND SHAPING.
- MINIMISE DUST BY WATERING WHEN REQUIRED.

SPECIAL NOTES:

- LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE.
- REFER TO "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION" -4TH EDITION FOR TYPICAL DETAILS OF STANDARD SEDIMENT AND EROSION CONTROL DEVICES.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GUIDELINES SET OUT IN "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION" -4TH EDITION AND THE ACCOMPANYING ROAD AND DRAINAGE PLANS.
- CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER DAMAGE DURING THE COURSE OF THE CONTRACT.
- MANAGEMENT DEVICES SHALL BE MAINTAINED ON A REGULAR BASIS. WHERE CLEANING IS REQUIRED, THE SEDIMENT SHALL BE REMOVED TO A POINT NOMINATED BY THE ENGINEER.
- PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS, AND AFTER THE ROAD CENTRELINES HAVE BEEN PEGGED AND/OR PERMANENTLY MARKED, THE SITE MUST BE INSPECTED BY COUNCIL'S REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE TO IDENTIFY AND APPROPRIATELY MARK:-
 - THE TREES TO BE RETAINED.
 - ALL TREES TO BE LEFT UNDISTURBED AND TO BE CORDONED OFF.
- NO TREES SHALL BE REMOVED WITHOUT COUNCIL'S CLEARANCE.
- MANAGEMENT DEVICES TO REMAIN UNTIL THE END OF THE MAINTENANCE PERIOD.
- THE TEMPORARY BASIN IS TO REMAIN BE DECOMMISSIONED ONCE THE SITE IS RE-VEGETATED AND ESTABLISHED.

SEDIMENTATION CONTROL DEVICES:

ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 450mm INTO THE GROUND AND LOCATED ON THE BALE CENTRE LINE. SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2m (3m MAX) CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.

AMENDMENT	DES	DRN	CKD	APR	DATE	
C	AMENITIES BLOCK AMENDED	PS	TG	MS	KN	11/06/14
B	COUNCIL COMMENTS	PS	VG	MS	KN	15/05/14
A	ISSUED FOR DA APPROVAL	LVD	LVD	MS	KN	19/02/14

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AZIMUTH: MGA
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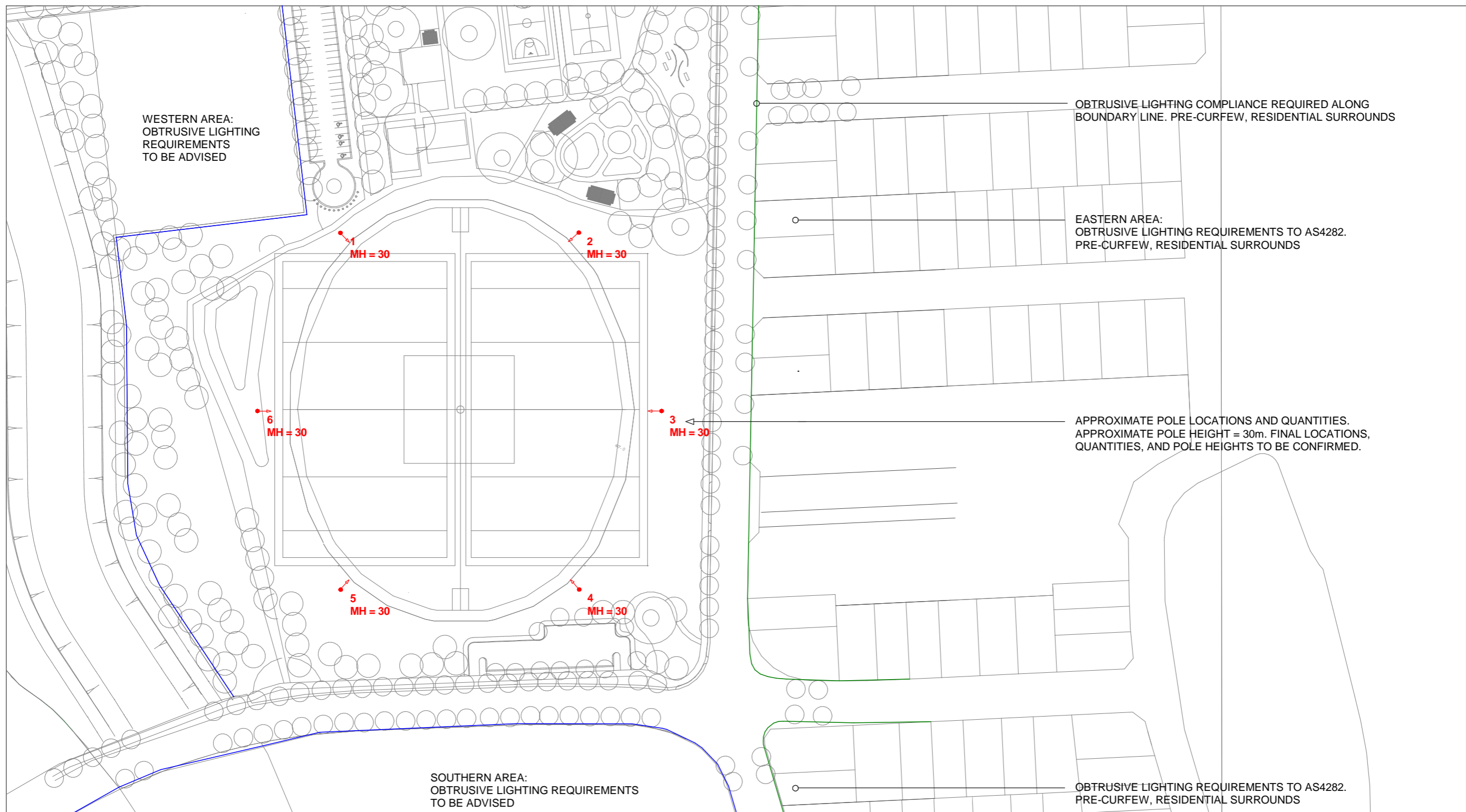
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JORDAN SPRINGS
VILLAGE OVAL
SOIL & WATER MANAGEMENT PLAN & NOTES

PLAN No: 934315/DA05	C
FILE No: 934315DA05	
SHEET SIZE: A1 ORIGINAL	



Scale= 1: 1500



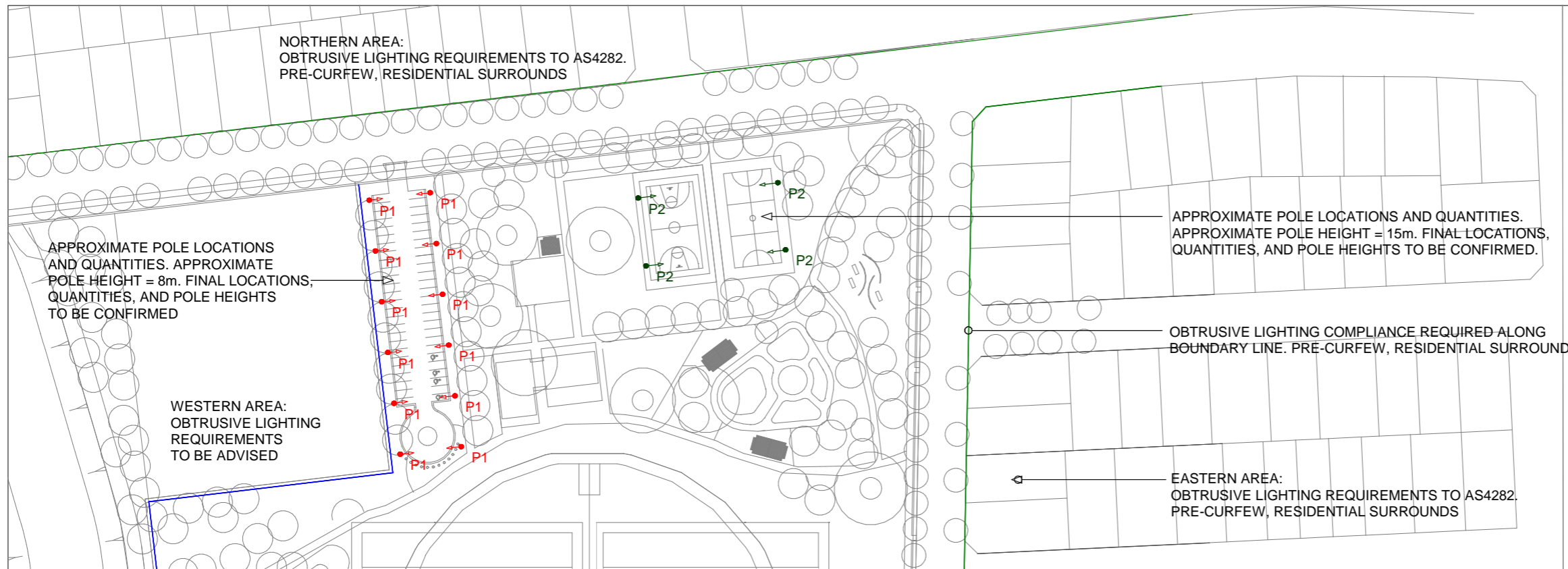
TYPICAL SPORTS LIGHTING LUMINAIRES. INDICATIVE ONLY. FINAL LUMINAIRE SELECTION TO BE CONFIRMED



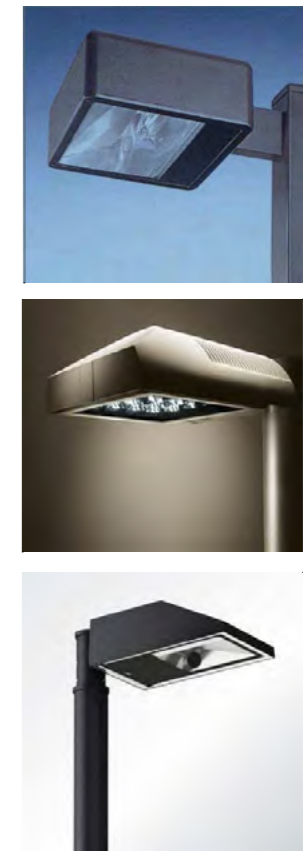
TYPICAL SPORTS LIGHTING LUMINAIRE ARRANGEMENT. INDICATIVE ONLY. FINAL LUMINAIRE TYPES AND QUANTITIES PER POLE TO BE CONFIRMED

REVISION:	Rev: 2 - PRELIMINARY LIGHTING LAYOUT	
PROJECT NAME:	VILLAGE OVAL, JORDAN SPRINGS - FIELD LIGHTING	
PROJECT NUMBER:	13657	
DRAWING TITLE:	SPORTS OVAL LIGHTING	
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SKETCH NUMBER:	SK04	PRINT DATE: 10/06/2014
HARON ROBSON LIGHTMATTERS 181 First Avenue Five Dock NSW 2046 t: +61 2 9712 5544		HARON ROBSON lightmatters wattmatters avmatters

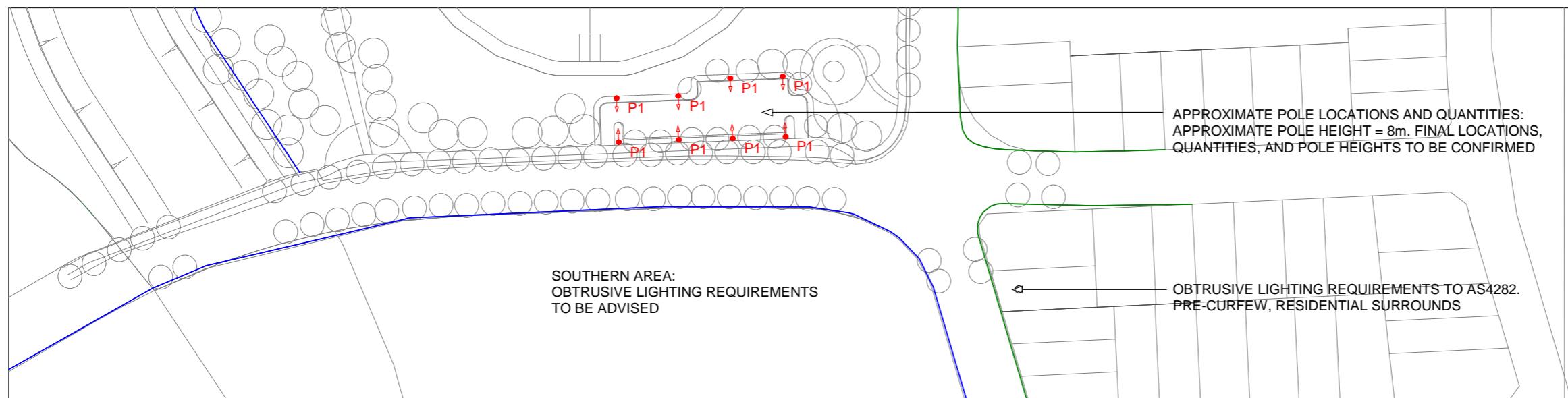
NOT FOR CONSTRUCTION
Preliminary lighting layout only. Do not scale from drawing.
Refer to final lighting design drawings for final installation details.
Filename: DA Sketch.AGI



Car Park 1, Netball & Basketball Court Lighting
Scale= 1: 1500



TYPICAL CAR PARK LUMINAIRES. INDICATIVE ONLY. FINAL LUMINAIRE SELECTION TO BE CONFIRMED



Car Park 2
Scale= 1: 1500



TYPICAL SPORTS LIGHTING LUMINAIRES. INDICATIVE ONLY. FINAL LUMINAIRE SELECTION TO BE CONFIRMED



TYPICAL NETBALL AND BASKETBALL COURT LIGHTING LUMINAIRE ARRANGEMENT. INDICATIVE ONLY. FINAL LUMINAIRE TYPES AND QUANTITIES PER POLE TO BE CONFIRMED

REVISION:	Rev: 1 - PRELIMINARY LIGHTING LAYOUT	
PROJECT NAME:	VILLAGE OVAL, JORDAN SPRINGS - FIELD LIGHTING	
PROJECT NUMBER:	13657	
DRAWING TITLE:	CAR PARK, NETBALL & BASKETBALL COURT LIGHTING	
SCALE:	1:1500 @ A3	ORIGINAL PRINT SIZE: A3
SKETCH NUMBER:	SK05	PRINT DATE: 10/06/2014
HARON ROBSON LIGHTMATTERS 181 First Avenue Five Dock NSW 2046 t: +61 2 9712 5544		

NOT FOR CONSTRUCTION
Preliminary lighting layout only. Do not scale from drawing.
Refer to final lighting design drawings for final installation details.
Filename: DA Sketch (new and existing carpark, netball, bball).dgn