

CHARLESTOWN LEISURE CENTRE

Landscape Development

Landscape Drawings

FOR DEVELOPMENT APPLICATION - JULY 2016

prepare by



prepare by



Environmental Partnership
100-102 Lake Road, Lake Munere, NSW 2227
Tel: 02 9336 1233
Fax: 02 9336 1234
Email: info@ep.com.au

DRAWING SCHEDULE

Drawing	Title	Issue
2285.LD.01	Site Plan	1
2285.LD.02	Landscape Plan - Sheet 1	1
2285.LD.03	Landscape Plan - Sheet 2	1
2285.LD.04	Landscape Plan - Sheet 3	1
2285.LD.05	Landscape Plan - Sheet 4	1
2285.LD.06	Landscape Details - Sheet 1	1
2285.LD.07	Landscape Details - Sheet 2	1
2285.LD.08	Landscape Details - Sheet 3	1
2285.LD.09	Landscape Details - Sheet 4	1
2285.LD.10	Site Analysis - Landscape	1
2285.LD.11	Site Analysis - Conclusion	1
2285.LD.12	Site Analysis - Conclusion	1
2285.LD.13	Site Analysis - Conclusion	1
2285.LD.14	Site Analysis - Conclusion	1
2285.LD.15	Site Analysis - Conclusion	1
2285.LD.16	Site Analysis - Conclusion	1
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2285.LD.18	Site Analysis - Conclusion	1
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2285.LD.100	Site Analysis - Conclusion	1



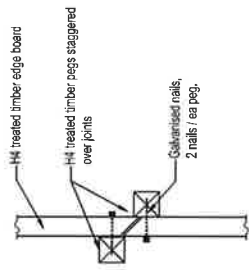
NOTES:

- DETAILS SPECIFICATION REFER LMCC LANDSCAPE DESIGN GUIDELINE - TYPICAL LANDSCAPE SPECIFICATIONS LSD-SPEC-01

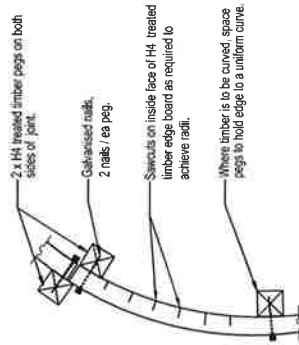
- H4 treated timber pegs:
- non. 50mm square pegs x 450mm long, spaced at 1200mm centres, at each end of planting side & at each end of timber edge boards.
 - Finish 25mm below edge boards. Drive in on planting side of edging.

- Timber edge board:
- non. 38 x 100mm (non. 2400mm long)
 - Sawn timber, Hazard Class H4 to AS1604.
 - Secured to peg with 2 galvanised nails per peg.

Make good turf if damaged during construction. Turf planting see LSD-PLA-22.



STRAIGHT TIMBER EDGING JOINT



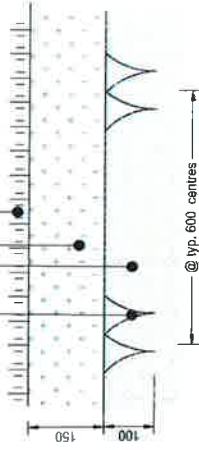
CURVED TIMBER EDGING JOINT

Turf as scheduled on approved drawings. Lay turf in stretcher pattern with joints staggered and close butted. Turf requirements in accordance with LSD-SPEC-01.

Top soil as specified LSD-SPEC-01.

Subgrade. Remove rubbish, weeds and other deleterious materials. Remove stones and clods exceeding 50mm.

Cultivate subgrade to non. 100mm deep at 500mm centres, parallel to contours. Incorporate subsoil additives in accordance with LSD-SPEC-01.



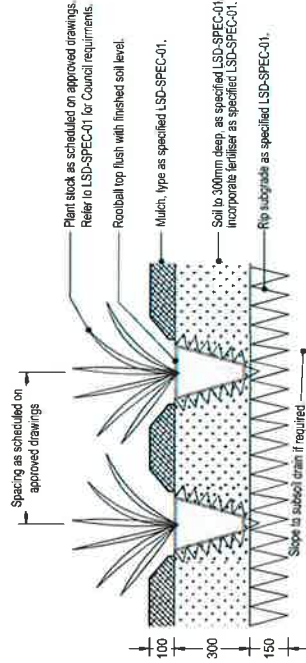
2 Turf (Refer LMCC Landscape Design Guideline Standard Details LSD-PLA-22)

NOTE

- Turf species to be Couch unless otherwise indicated in Conditions of Contract.

NOTES

- Provide edge to protect planting bed from mowing where required.
- Minimise disturbance to existing tree roots while excavating mass planting bed.
- Provide bio-degradable netting pegged over mulch to stabilize where slopes are greater than 1 in 4.



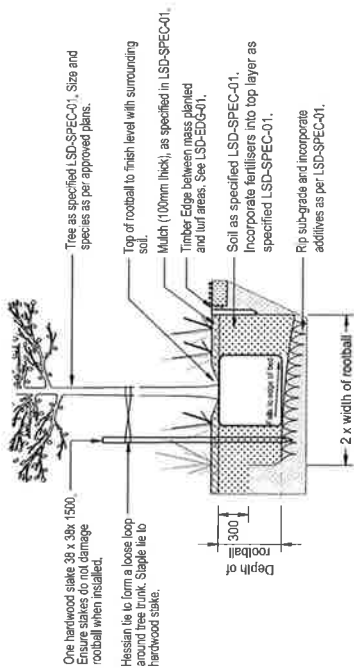
1 Timber Edge (Refer LMCC Landscape Design Guideline Standard Details LSD-EDG-01)

3 Mass Planting Bed (Refer LMCC Landscape Design Guideline Standard Details LSD-PLA-21)

GENERAL NOTES 1. Do not use any of the drawings, or any part thereof, without the written consent of the Council. 2. Make any alterations to the drawings in accordance with the Council's requirements. 3. Make any alterations to the drawings in accordance with the Council's requirements. 4. Make any alterations to the drawings in accordance with the Council's requirements. 5. Make any alterations to the drawings in accordance with the Council's requirements. 6. Make any alterations to the drawings in accordance with the Council's requirements. 7. Make any alterations to the drawings in accordance with the Council's requirements. 8. Make any alterations to the drawings in accordance with the Council's requirements. 9. Make any alterations to the drawings in accordance with the Council's requirements. 10. Make any alterations to the drawings in accordance with the Council's requirements.		PROJECT CHARLESTOWN LEISURE CENTRE LAKE MACQUARIE CITY COUNCIL		DATE JULY 2016		SCALE AS SHOWN ON A1		5		9986.LB.06	
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• DETAILS SPECIFICATION REFER LMGC LANDSCAPE DESIGN
GUIDELINE - TYPICAL LANDSCAPE SPECIFICATIONS LSD-SPEC-01

- Comply with all relevant Australian Standards.
- Obtain DBPD drawings prior to starting work.
- Ground truth all possible conflicts with underground and overhead services and structures prior to commencement of works.
- Minimum tree installation size is 45L, unless indicated otherwise in Conditions of Consent.
- Tree species substitution requires written consent from LMCC.
- Remove stakes and lies at the mid-point of the landscape establishment period.
- All timber in contact with ground to be suitable for in-ground use.

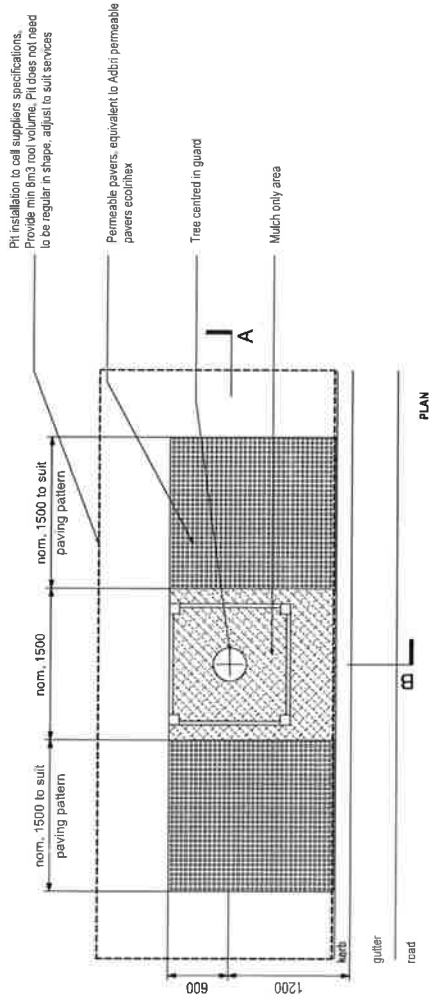
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1 Tree in Parks & Reserve (Refer LMCC Landscape Design Guideline Standard Details LSD-PLA-05)

[illegible]

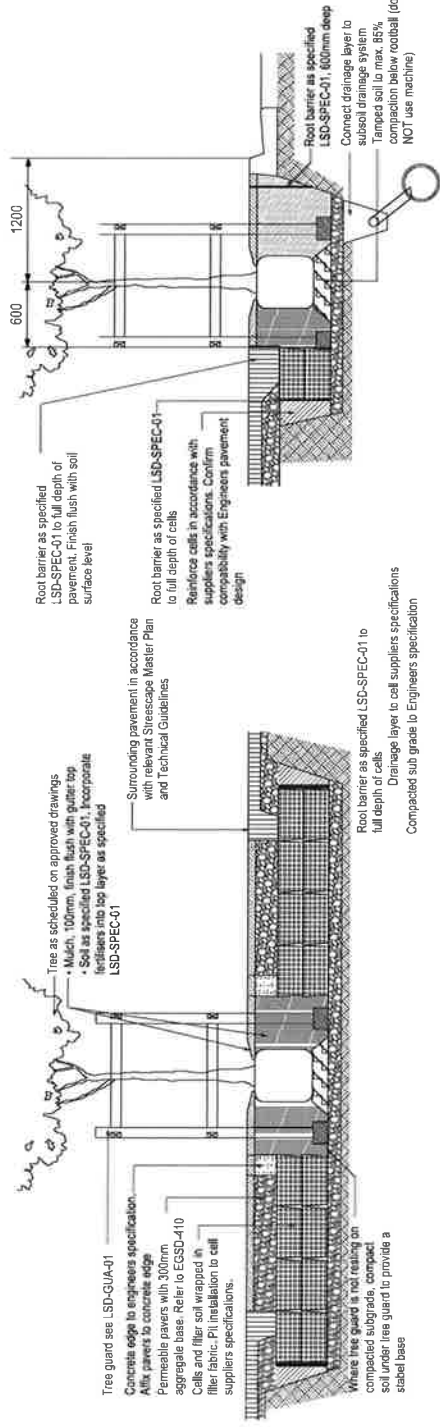
NOTES:

• DETAILS SPECIFICATION REFER LMCC LANDSCAPE DESIGN GUIDELINE - TYPICAL LANDSCAPE SPECIFICATIONS LSD-SPEC-01



NOTES:

- Comply with all relevant Australian standards.
- Obtain D&V drawings prior to starting work.
- Ground truth all possible conflicts with underground and overhead services and structures prior to commencing works.
- Confirm locations of subsoil drainage system prior to commencing tree pit works. Notify Council's project Officer if no drainage system is available to connect into.
- Minimum tree installation size is 100L unless indicated otherwise in Conditions of Consent.
- Tree species substitution requires written consent from LMCC.
- Coordinate with Town Centre Streetscape Master Plan & Technical Guideline where applicable.
- Confirm compatibility between pit design and Engineer's pavement design.
- All structural cell products must meet Council's requirements - refer LSD-SPEC-01. Structural cell system proposed for use must be approved by Council's Project Officer.



SECTION B

SECTION A

1 Dickinson Street Tree Planting

GENERAL NOTES	REVISIONS	DATE	APPROVED	APPROVED
1. Do not use all drawings. Follow within the Principal.	1	20/07/16	20/07/16	20/07/16
2. All drawings are subject to change without notice.	2	20/07/16	20/07/16	20/07/16
3. All drawings are subject to change without notice.	3	20/07/16	20/07/16	20/07/16
4. All drawings are subject to change without notice.	4	20/07/16	20/07/16	20/07/16
5. All drawings are subject to change without notice.	5	20/07/16	20/07/16	20/07/16
6. All drawings are subject to change without notice.	6	20/07/16	20/07/16	20/07/16
7. All drawings are subject to change without notice.	7	20/07/16	20/07/16	20/07/16
8. All drawings are subject to change without notice.	8	20/07/16	20/07/16	20/07/16
9. All drawings are subject to change without notice.	9	20/07/16	20/07/16	20/07/16
10. All drawings are subject to change without notice.	10	20/07/16	20/07/16	20/07/16

PROJECT	DATE	APPROVED	APPROVED
CHARLESTOWN LEISURE CENTRE	20/07/16	20/07/16	20/07/16
LAKE MACQUARIE CITY COUNCIL	20/07/16	20/07/16	20/07/16

LANDSCAPE TITLE

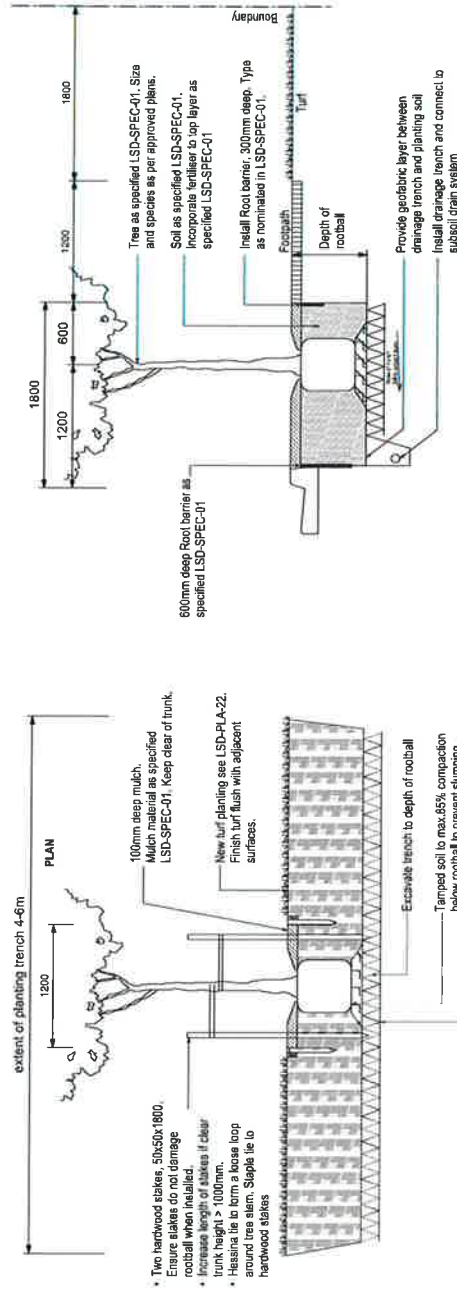
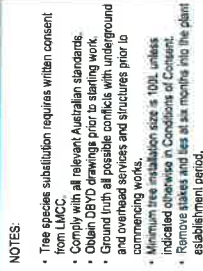
Landscape Details - Sheet 3

DATE	REVISION	BY	DATE
20/07/16	1	20/07/16	20/07/16
20/07/16	2	20/07/16	20/07/16
20/07/16	3	20/07/16	20/07/16
20/07/16	4	20/07/16	20/07/16
20/07/16	5	20/07/16	20/07/16



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• DETAILS SPECIFICATION REFER LMCC LANDSCAPE DESIGN
GUIDELINE - TYPICAL LANDSCAPE SPECIFICATIONS LED-SPEC-01



SECTION A

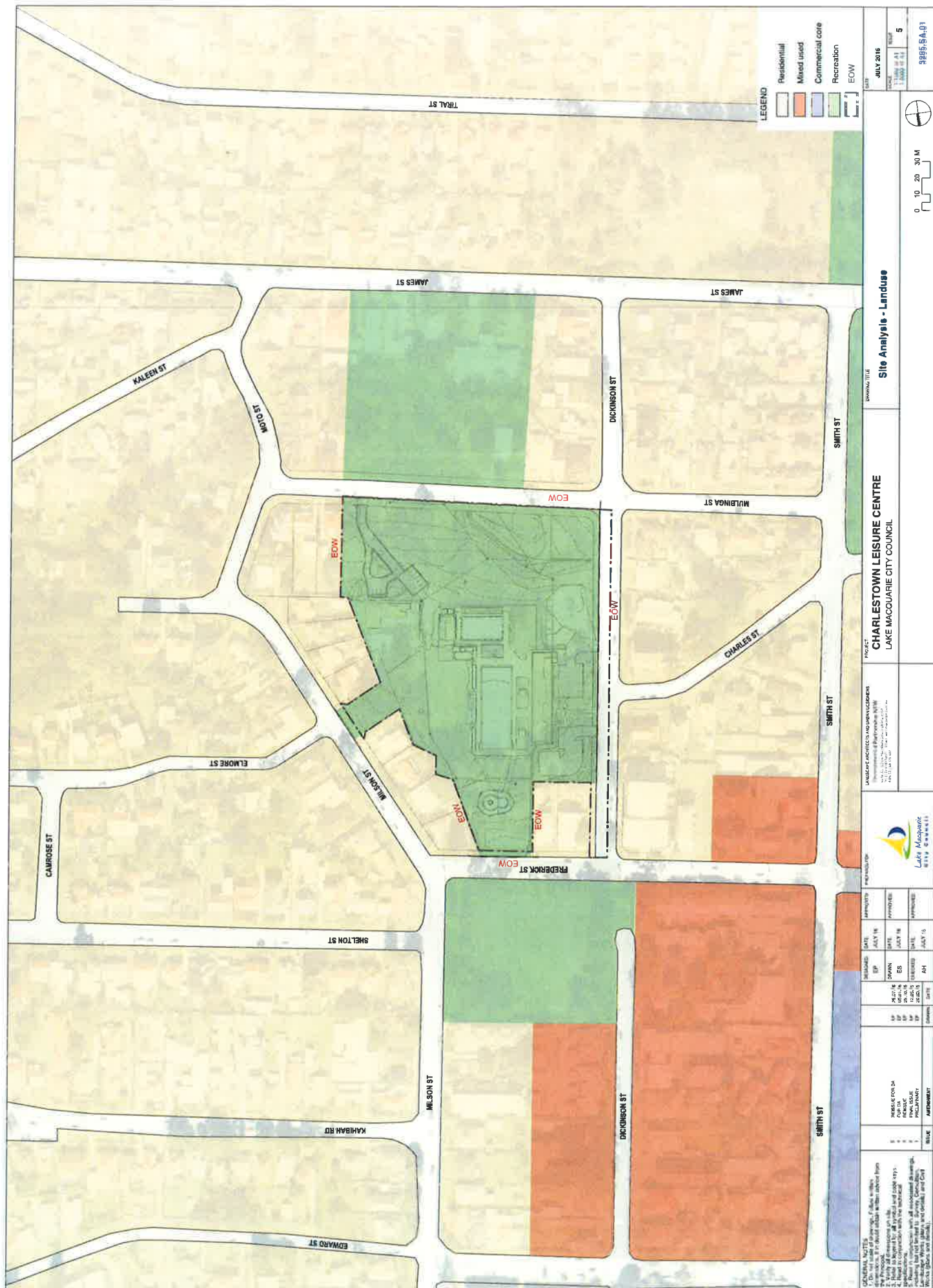
Mulbinga Street Tree Planting

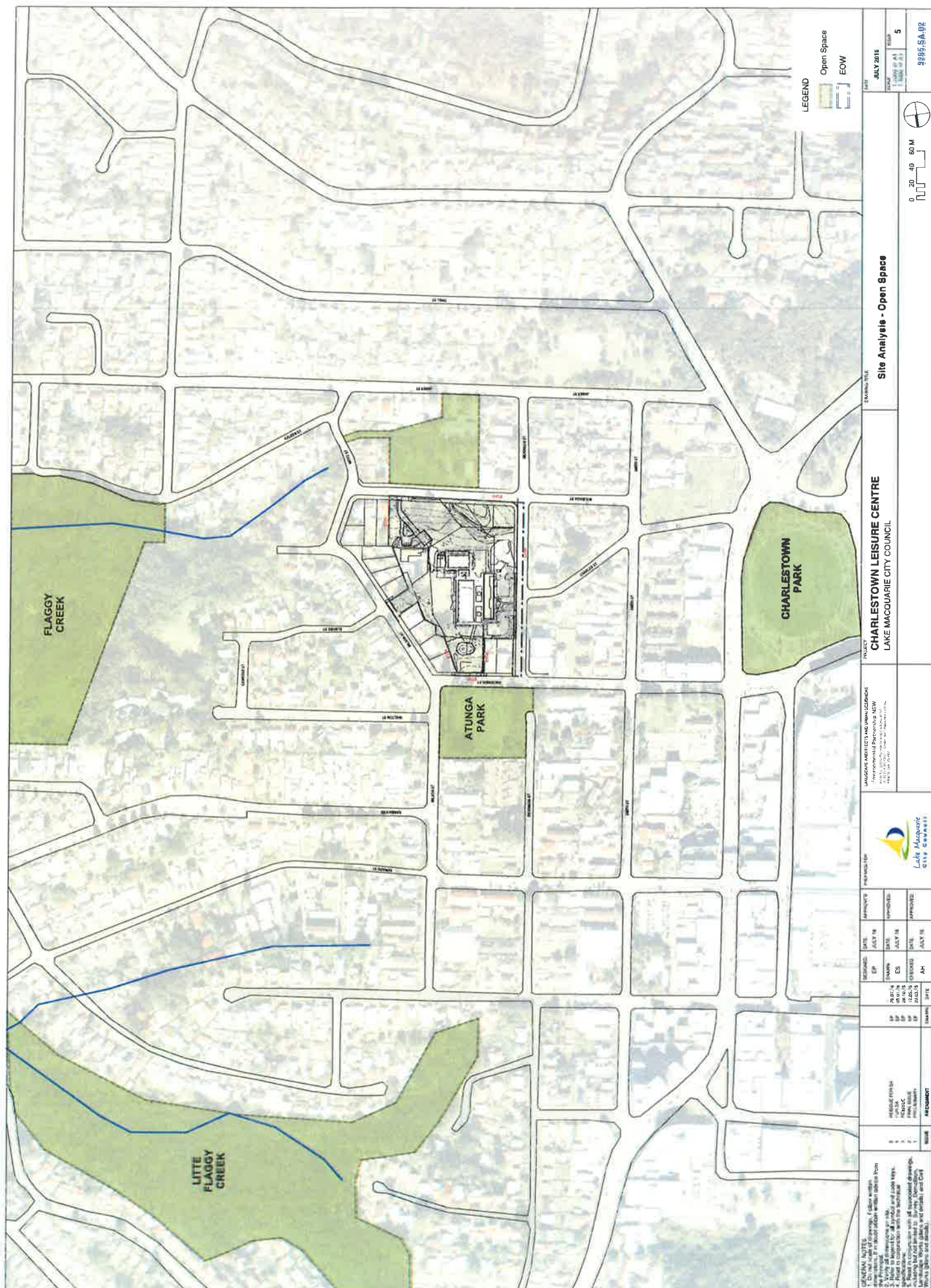
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• DETAILS SPECIFICATION REFER LMCC LANDSCAPE DESIGN
GUIDELINE - TYPICAL LANDSCAPE SPECIFICATIONS LSD-SPEC-01

-
- Diagram illustrating the cross-section of a tree pit, showing the following components and specifications:
- Tree:** Tree, refer to LSD-SPEC-01, Species and size as per approved plans.
 - Mulch:** Mulch, 100mm, as LSD-SPEC-01.
 - Soil:** Soil as specified LSD-SPEC-01.
 - Fertiliser:** Incorporate fertilisers into top layer as specified LSD-SPEC-01.
 - Root Barrier:** Root Barrier as specified LSD-SPEC-01 to full depth of pit. Finish 100mm above finished soil level.
 - Concrete edge:** Concrete edge.
 - Existing subgrade:** Existing subgrade.
 - Depth of root ball:** Depth of root ball.
 - Notes:**
 - Mass planting as scheduled on approved drawings.
 - Rio sub-grade and incorporate activities as per LSD-SPEC-01.

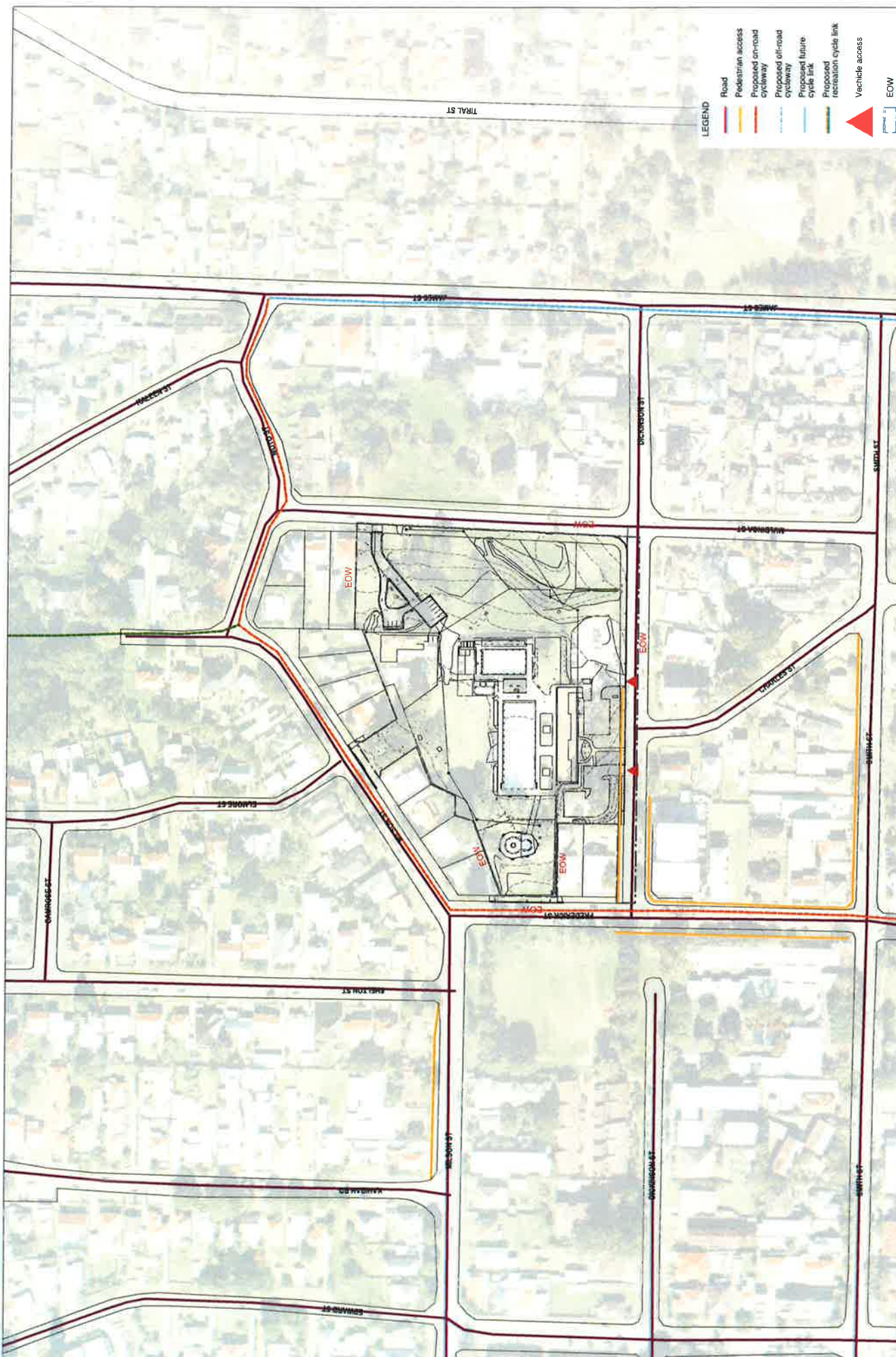
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GENERAL NOTES

1. Do not scale off or damage. If damage occurs, replace with new material. If it should appear within 100 ft from the original location, it shall be replaced.
2. Finish and appearance of all work shall be as shown on the drawings.
3. Work to be done by all trades and code books.
4. Read in conjunction with the technical specifications.
5. Paint in colors and with all associated designs, including but not limited to, family, description, identification, and location, shall be as shown on the drawings.
6. Work shall be done in accordance with the drawings and specifications.

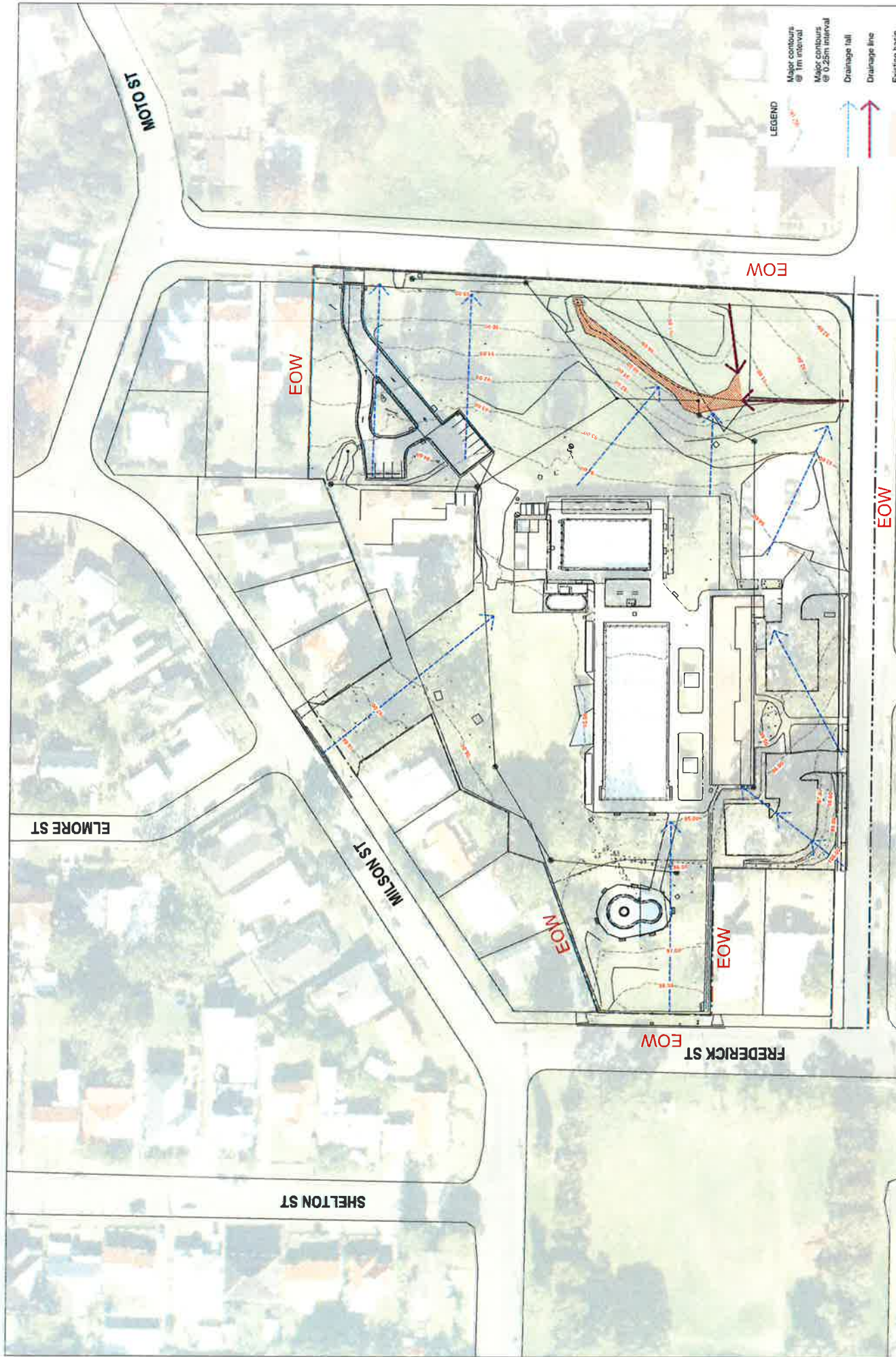


- LEGEND**
- Road
 - Pedestrian access
 - Proposed on-road cycleway
 - Proposed off-road cycleway
 - Proposed future cycle link
 - Proposed recreation cycle link
 - Vehicle access
- ECW

GENERAL NOTES: 1. Do not scale drawings. Follow written instructions. 2. All dimensions are in millimetres unless otherwise stated. 3. All dimensions are to the centre of the line unless otherwise stated. 4. All dimensions are to the centre of the line unless otherwise stated. 5. All dimensions are to the centre of the line unless otherwise stated. 6. All dimensions are to the centre of the line unless otherwise stated. 7. All dimensions are to the centre of the line unless otherwise stated. 8. All dimensions are to the centre of the line unless otherwise stated. 9. All dimensions are to the centre of the line unless otherwise stated. 10. All dimensions are to the centre of the line unless otherwise stated.		PROJECT CHARLESTOWN LEISURE CENTRE LAKE MACQUARIE CITY COUNCIL		DRAWING TITLE Site Analysis - Circulation		DATE JULY 2018	
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GENERAL NOTES

1. Do not scale drawings. Follow written dimensions.
2. All dimensions are in metres unless otherwise stated.
3. All dimensions are to the centre of the road.
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LEGEND

- Major contours @ 1m interval
- Major contours @ 0.25m interval
- Drainage fall
- Drainage line
- Existing basin

GENERAL NOTES 1. Do not scale drawings. Follow written instructions. 2. Refer to the Project Brief for further information. 3. Refer to the Project Brief for further information. 4. Refer to the Project Brief for further information. 5. Refer to the Project Brief for further information.		REVISIONS <table> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>2016/07/18</td> <td>Issue for public consultation</td> </tr> <tr> <td>2</td> <td>2016/07/18</td> <td>Issue for public consultation</td> </tr> <tr> <td>3</td> <td>2016/07/18</td> <td>Issue for public consultation</td> </tr> <tr> <td>4</td> <td>2016/07/18</td> <td>Issue for public consultation</td> </tr> <tr> <td>5</td> <td>2016/07/18</td> <td>Issue for public consultation</td> </tr> </table>		NO.	DATE	DESCRIPTION	1	2016/07/18	Issue for public consultation	2	2016/07/18	Issue for public consultation	3	2016/07/18	Issue for public consultation	4	2016/07/18	Issue for public consultation	5	2016/07/18	Issue for public consultation	PROJECT INFORMATION PROJECT NAME: CHARLESTOWN LEISURE CENTRE CLIENT: LAKE MACQUARIE CITY COUNCIL PROJECT NO: 3995 SA.04		DATE JULY 2016 SCALE 1:1000 5		PROJECT TITLE Site Analysis - Landform		PROJECT NO 3995 SA.04		PROJECT NO 3995 SA.04	
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- LEGEND

GENERAL NOTES

1. Do not scale drawings. Follow written dimensions only. If in doubt obtain written advice from the Principal.
2. Verify all dimensions on site.
3. Refer to Notes for all dimensions and code keys.
4. Refer to drawings in comparison with the technical specification.
5. All work to be carried out in accordance with drawings. Work not to be carried out without Survey, Design, and Construction Works (plans and details) and Civil Works (plans and details).

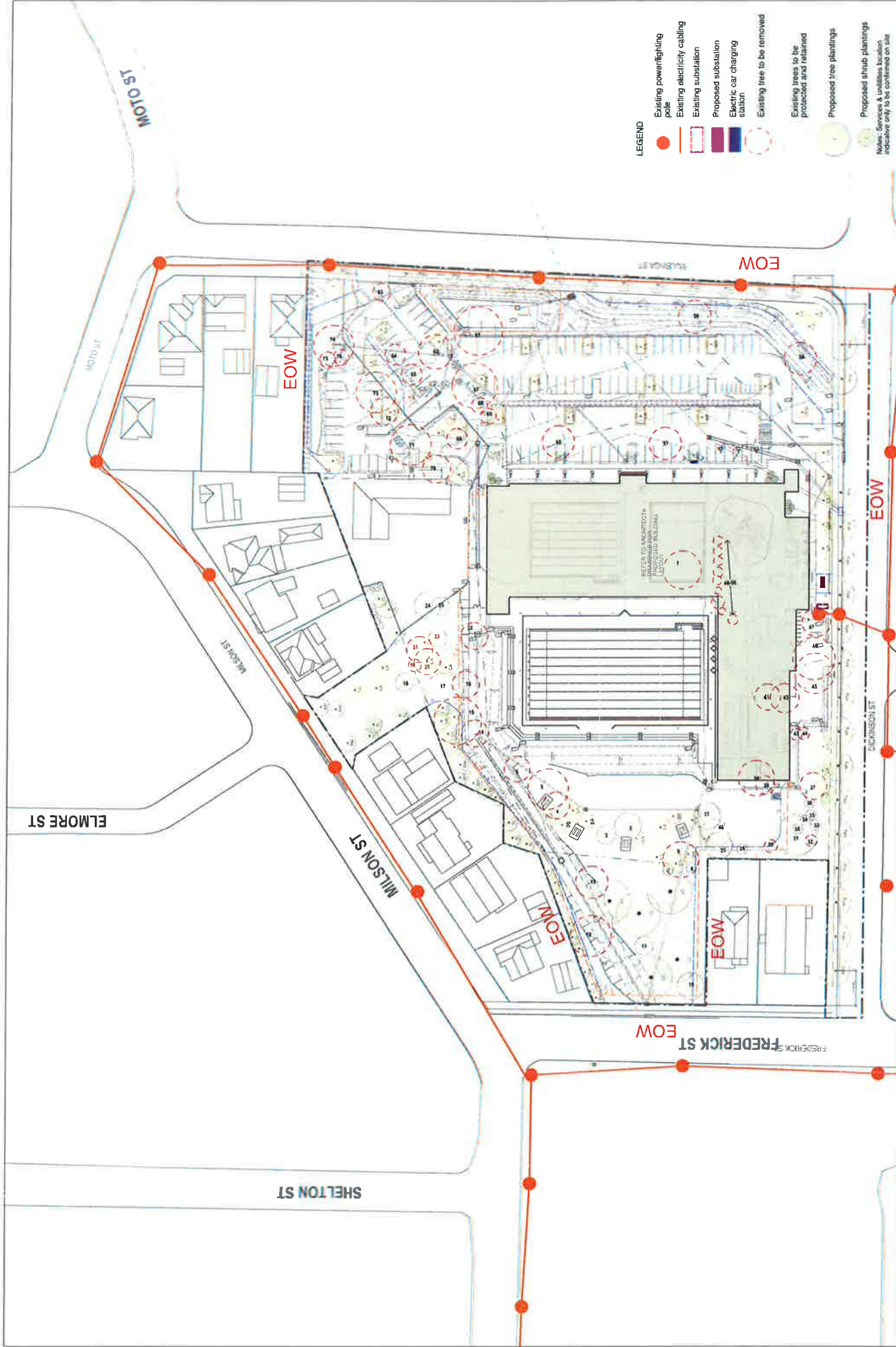


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Journal of Internal Medicine 255: 103–110

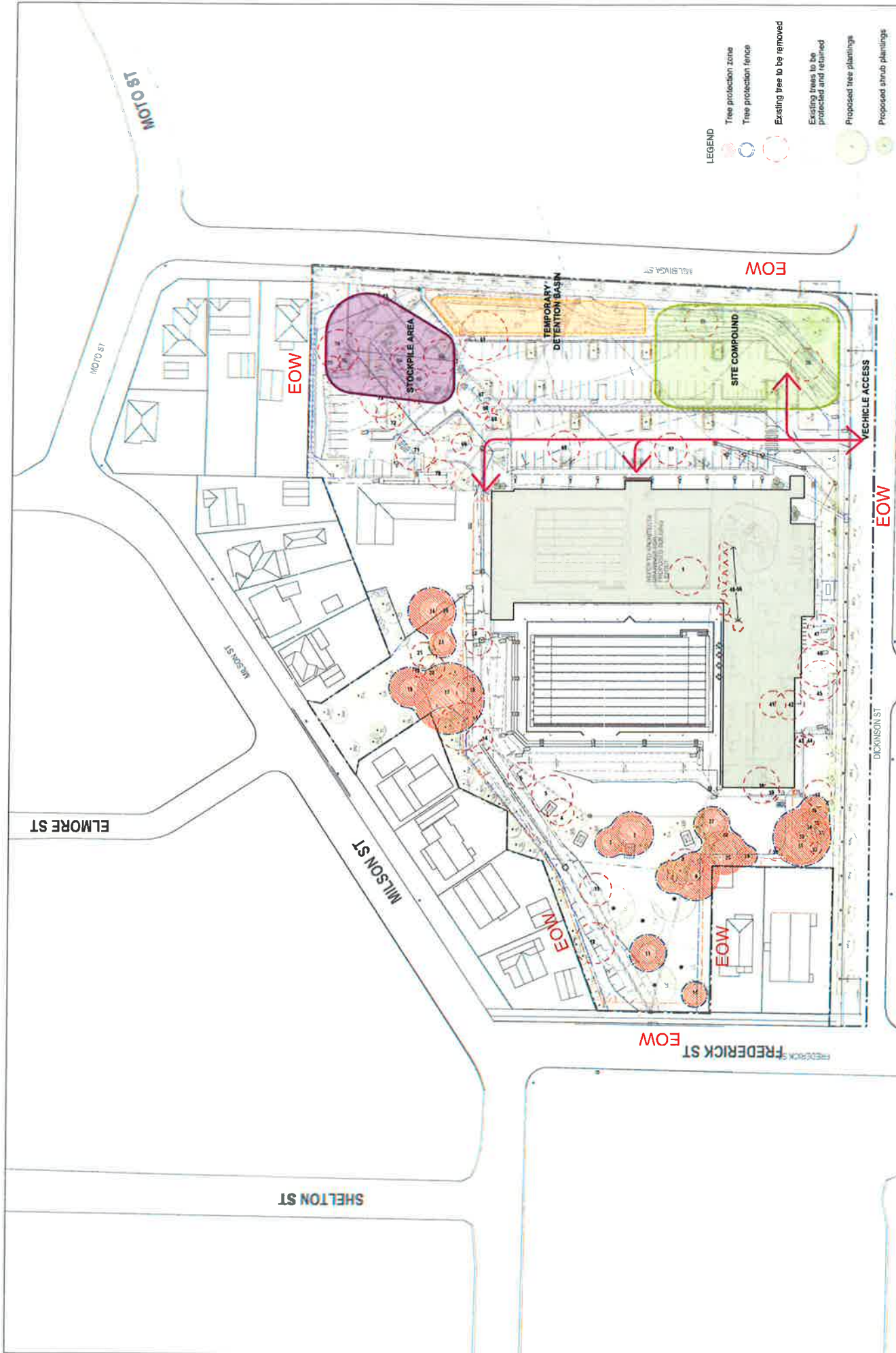
CHARLESTOWN LEISURE CENTRE
LAKE MACQUARIE CITY COUNCIL

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GENERAL NOTES 1. Do not scale or change. Follow within the Project. 2. Refer to the Project for all details and code keys. 3. Refer to the Project for all details and code keys. 4. Refer to the Project for all details and code keys. 5. Refer to the Project for all details and code keys. 6. Refer to the Project for all details and code keys. 7. Refer to the Project for all details and code keys. 8. Refer to the Project for all details and code keys. 9. Refer to the Project for all details and code keys. 10. Refer to the Project for all details and code keys.		REVISIONS <table><tr><th>NO.</th><th>DATE</th><th>BY</th><th>CHKD</th><th>DESCRIPTION</th></tr><tr><td>1</td><td>2016/07/16</td><td>EP</td><td>EP</td><td>Issue for DA</td></tr><tr><td>2</td><td>2016/07/16</td><td>EP</td><td>EP</td><td>Issue for DA</td></tr><tr><td>3</td><td>2016/07/16</td><td>EP</td><td>EP</td><td>Issue for DA</td></tr><tr><td>4</td><td>2016/07/16</td><td>EP</td><td>EP</td><td>Issue for DA</td></tr><tr><td>5</td><td>2016/07/16</td><td>EP</td><td>EP</td><td>Issue for DA</td></tr></table>		NO.	DATE	BY	CHKD	DESCRIPTION	1	2016/07/16	EP	EP	Issue for DA	2	2016/07/16	EP	EP	Issue for DA	3	2016/07/16	EP	EP	Issue for DA	4	2016/07/16	EP	EP	Issue for DA	5	2016/07/16	EP	EP	Issue for DA	APPROVALS <table><tr><th>DATE</th><th>APPROVED</th><th>APPROVED</th></tr><tr><td>2016/07/16</td><td>EP</td><td>EP</td></tr><tr><td>2016/07/16</td><td>EP</td><td>EP</td></tr><tr><td>2016/07/16</td><td>EP</td><td>EP</td></tr><tr><td>2016/07/16</td><td>EP</td><td>EP</td></tr><tr><td>2016/07/16</td><td>EP</td><td>EP</td></tr></table>		DATE	APPROVED	APPROVED	2016/07/16	EP	EP	2016/07/16	EP	EP	2016/07/16	EP	EP	2016/07/16	EP	EP	2016/07/16	EP	EP	PROJECT INFORMATION PROJECT NAME: CHARLESTOWN LEISURE CENTRE CLIENT: LAKE MACQUARIE CITY COUNCIL DESIGNER: LAKE MACQUARIE CITY COUNCIL DATE: JULY 2016 SCALE: 1:500 PROJECT NO: 9995-SA-87	
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GENERAL NOTE Do not use this plan for any purpose other than that for which it was prepared. The Council is not responsible for any errors or omissions in this plan.		APPROVED FOR DA NAME: [] POSITION: [] DATE: []		APPROVED FOR DA NAME: [] POSITION: [] DATE: []	
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PROJECT TITLE Site Analysis - Construction Management		DATE JULY 2016		PROJECT NUMBER 15/00000000000000000000	