

D08999660

LANDSCAPE NOTES:
TREES IN CAR PARK ZONE: TREES IN CONTINUOUS / CONNECTED SOIL ZONE WITH PERMEABLE PAVEMENT OVER STRUCTURAL SUPPORT SOIL TYPE F1* (E.G. Ecotrihex, Adbrl).
- AERATION (VIA SLOTTED AGLINES) TO WHOLE PERMEABLE ZONE.
- IRRIGATION TO WHOLE ZONE VIA BOTH SURFACE RUNOFF (PASSIVE CAPTURE) AND RAINWATER SUB TERRANEAN IRRIGATION.
- ANY EDGES OR KERBS TO PERMEABLE ZONE OR TREE PITS TO BE FLUSH OR DISCONTINUOUS KERBS TO ALLOW - WATER TO PASS INTO TREE PITS AND PERMEABLE ZONE.
- TREE PIT FINISHED LEVEL TO BE 50-80mm SET DOWN FOR WATER CAPTURE AND REDUCTION OF MULCH MIGRATION.
- FALLS OF AND TO THE PERMEABLE PAVED ZONE AND SURROUNDS TO BE DESIGNED BY ENGINEER TO ALLOW SURFACE WATER TO FLOW ACCROSS PERMEABLE PAVERS.
- TREE PIT SOIL TO BE SOIL TYPE D4 + B2 (use P sensitive range) * (Leake S & Haeghe E, 2014, Soils for Landscape Development, CSIRO Publishing).
- TREE SOIL VOLUME ALLOCATION: Tree pit openings are 1.4m². Permeable soil area allocation: between 5.3-5.6m² per tree. Volumes as per the Soil Volume Simulator (Haeghe and Leake, 2017). Case study for 13 trees in continuous rooting zone shows adequate volume if using structural support systems, however tree pit allocation is slightly deficient 1.4m² versus 4.5m². Albeit, the design accommodates for some tree stunting. (refer to soil volume workings sheet provided in this package).
Note: With structural support soil : soil volumes can only be attributed to the non rock component. Structural support cells would allow for greater soil volume in the same place.

- TREE SPECIES/PLANTING EXAMPLES FOR TREES IN CARPARK ZONE: *Eucalyptus punctata* or *Eucalyptus capitata* or *Eucalyptus sideroxylon* or *Eucalyptus microcorys*.

SOIL KEY:
THE SOIL TYPES SHOWN ON THE PLANS CORELLATE WITH THE SOIL PERFORMANCE SPECIFICATIONS IN: Leake and Haeghe, 2014, *Soils for Landscape Development*. CSIRO Publishing

FOR THIS PROJECT, VARIOUS SOIL TYPES ARE REQUIRED DEPENDING ON THE LANDSCAPE TYPE AND LOCATION. IN GENERAL:
- SOIL IN RAISED PLANTERS: SOIL TYPE E1+E2 (DEPTHS TBC)
- SOIL IN CAR PARK TREE PITS: SOIL TYPE D4+D2 (LOW PHOSPHORUS RANGE) DEPTHS TBC DEPENDING ON TREE POT SIZES.
- SOIL UNDER PERMEABLE PAVEMENT: SOIL TYPE F1 (STRUCTURAL SUPPORT SOILS) 1m DEPTH MIN.
- SOIL IN GENERAL GARDEN BEDS: SOIL TYPE D2 (TOP 300mm) AND TBC FOR B HORIZON.
- SOIL ON EMBANKMENTS: SOIL TYPE D1 (TOP 300mm) AND TBC FOR B HORIZON. LOW PHOSPHORUS RANGE.

IT IS ENVISAGED FOR THIS PROJECT THAT ALL TOPSOIL WILL BE IMPORTED AND THAT MOST SUBSOIL WILL BE DISTURBED DURING CONSTRUCTION AND ITS SUITABILITY (FOR REUSE, AMELIORATION OR OTHER) IS TO BE DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT AT DETAIL DESIGN PHASE.

PHOSPHORUS SENSITIVE PLANT SPECIES HAVE BEEN SELECTED FOR THIS PROJECT. ALLOW FOR ALL SOIL TYPES TO BE WITHIN THE PHOSPHORUS SENSITIVE RANGE FOR THIS PROJECT. MULCH TYPES AND FINISHED LEVELS ARE TO BE CONFIRMED AT DETAIL DESIGN PHASE.

CIVIL ENGINEERING BASE FROM VAN DER MEER SHOWN AS UNDERLAY

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Registered Landscape Architect AILA (#001539)
The contractor shall check and verify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown must be referred to the Landscape Architect for confirmation. The Contractor must not construct from this drawing unless it marked 'Issue for Construction'. The Contractor acknowledges this drawing may be one of a number of drawings which together document the landscape design and works.

| Issue | Revision Description | Drawn | Check | Date |
|-------|--------------------------------------|-------|-------|----------|
| A | Updated. For Development Application | EDH | EDH | 03.08.18 |
| H | Updated. For Development Application | EDH | EDH | 31.07.18 |
| G | Updated. For Development Application | EDH | EDH | 30.07.18 |
| F | Updated. For Development Application | EDH | EDH | 29.07.18 |
| E | Updated. For Development Application | EDH | EDH | 25.07.18 |
| D | Updated. For Development Application | EDH | EDH | 17.07.18 |
| C | Updated. For Development Application | EDH | EDH | 13.07.18 |
| B | Updated. For internal confirmation | EDH | EDH | 06.07.18 |
| A | Draft. For internal confirmation | EDH | EDH | 30.05.18 |

Proposed new tree

Existing tree proposed for retention

Existing tree proposed for removal

Garden beds, low shrubs

Low hedges, groundcovers.

Embankment planting / Native Vegetation to be retained.

Turf and underlay. Climbing Plants

Screen plants, shrubs and hedges

Tree soil zone connected underground permeable pave over with irrigation and aeration to whole trench zone.

MN

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Development Application

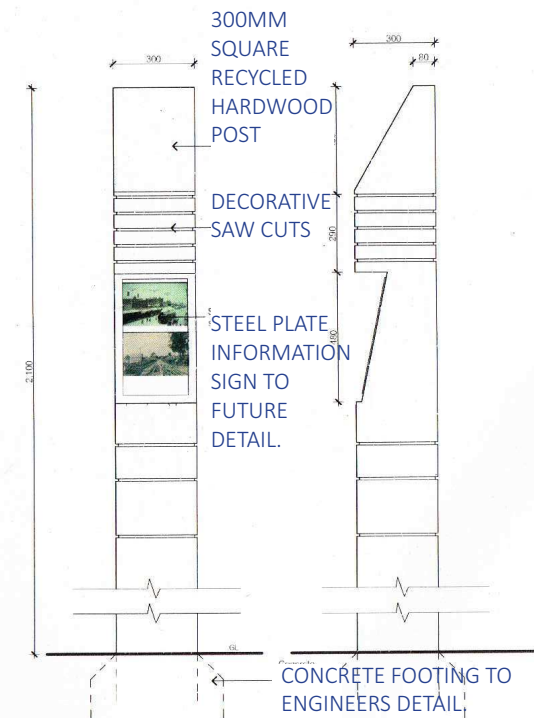
Client:
Fabcot Pty Ltd
Landscape Architect:
Elke Haeghe

Project:
Cameron Park Woolworths,
George Booth Drive, Cameron Park, NSW

Drawing Name:
Landscape Architectural Plan
Site Plan

This plan forms part of the Landscape DA package.
Scale: **1: 500 @A1**
Scale bar: 0 2 5 10 15 25m
Drawn: **EDH** Approved: **EDH**
Job Number: **1803_b** Drawing Number: **L_101** Issue: **I**

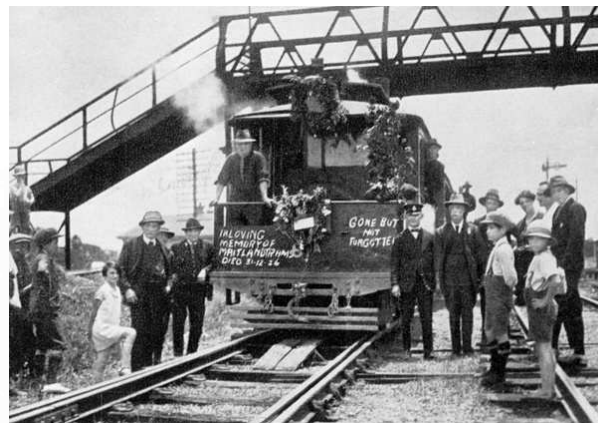
HERITAGE CONSIDERATION - INTERPRETIVE ELEMENTS
CAMERON PARK VILLAGE - LANDSCAPE ELEMENTS



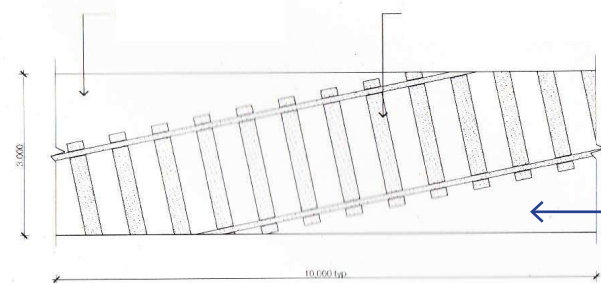
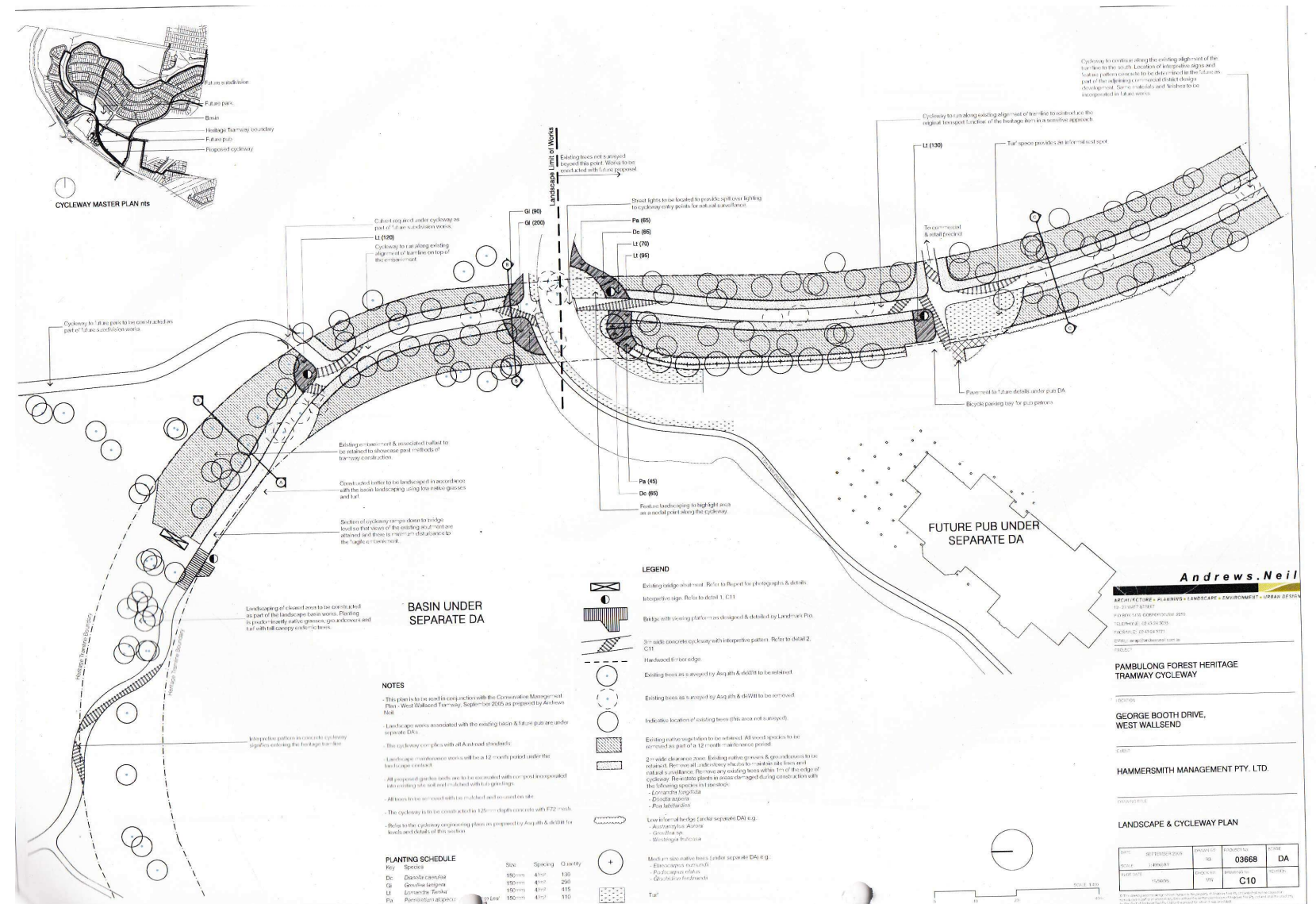
DETAIL 1 - INTERPRETIVE SIGN

PLAIN CONCRETE
WITH LIGHT
BROOM FINISH

1:10
ABRASIVE BLAST FINISH (HEAVY) TO
FORM SHAPE OF TRAMLINE. ALLOW FOR
LASER CUT STEEL TEMPLATE TO CREATE
PATTERN. USE BLACK AGGREGATE
SO THAT THE EXPOSED AGGREGATE
REPLICATES THE EXISTING BALLAST.



images provided as part of heritage study
of the Wallsend Tram



DETAIL 2- CYCLEWAY INTERPRETIVE PATTERN PLAN

Recommendations for internal co-ordination only
CONCEPT. NOT FOR CONSTRUCTION



Plan Extracts from
Andrews Neil- landscape
and cycleway plan +
interpretive signage.
Locations: tbc.

| | * | * | * | * | EDH_P01_00000 | |
|-------|--------------------------------------|---|---|-------|---------------|----------|
| | * | * | * | * | EDH_P02_00000 | |
| | * | * | * | * | EDH_P03_00000 | |
| | * | * | * | * | EDH_P04_00000 | |
| | * | * | * | * | EDH_P05_00000 | |
| | * | * | * | * | EDH_P06_00000 | |
| | * | * | * | * | EDH_P07_00000 | |
| | * | * | * | * | EDH_P08_00000 | |
| D | Interpretive elements - Cameron Park | | | EDH | EDH | 26.07.18 |
| C | Interpretive elements - Cameron Park | | | EDH | EDH | 25.07.18 |
| B | Interpretive elements - Cameron Park | | | EDH | EDH | 23.04.18 |
| A | Options for internal co-ordination | | | EDH | EDH | 19.03.18 |
| Issue | Revision Description | | | Drawn | Check | Date |

LEGEND:



DEVELOPMENT APPLICATION

Client:
Fabcot Pty Ltd

Project:
Cameron Park Plaza,
390 George Booth Dr., Cameron Pk

Drawing Name:

Landscape Architectural
Heritage interpretation elements.

This sheet is for Development Application information only.

Scale:

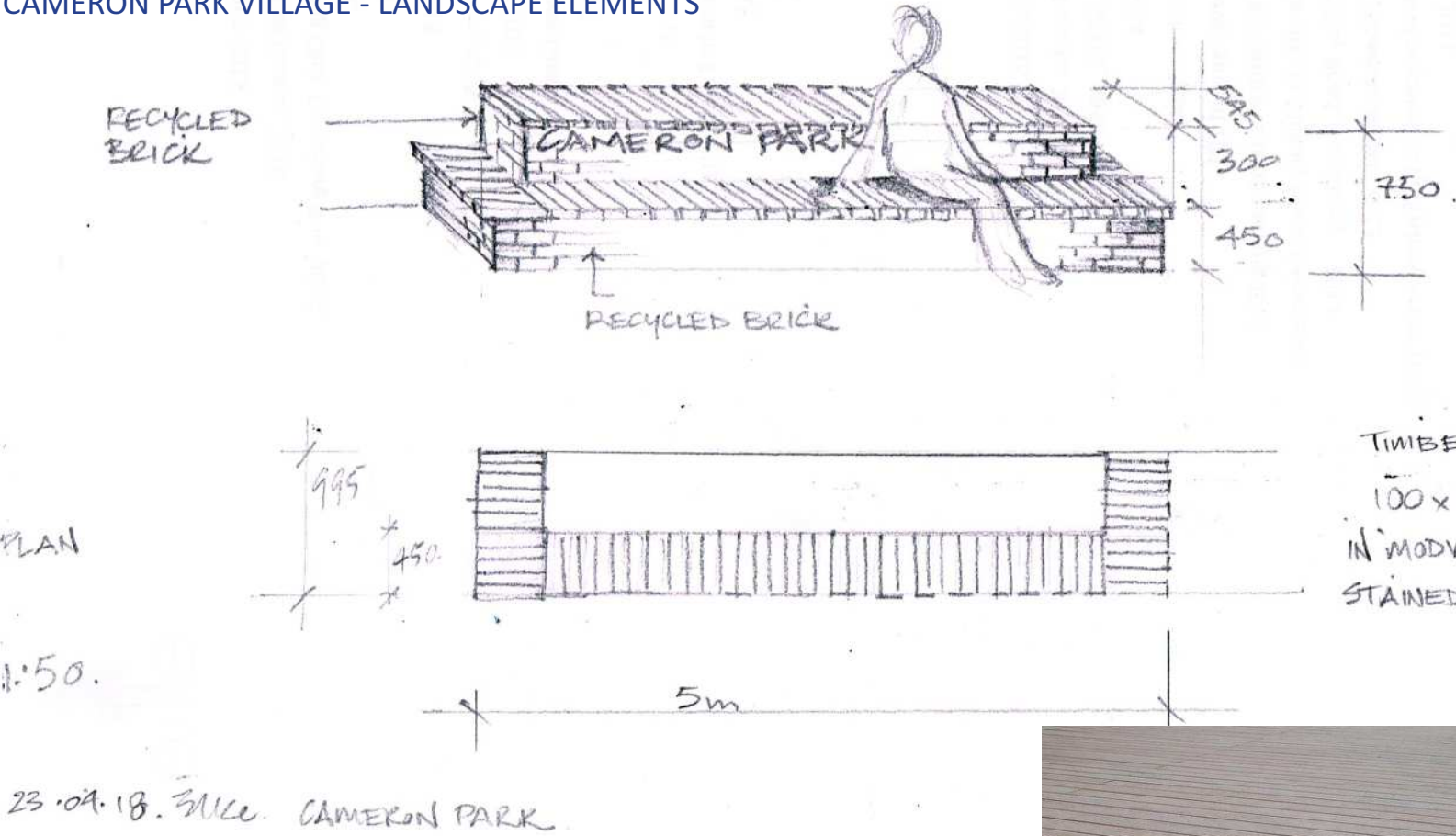
Scale bar:

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| Drawn: | Approved: |
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| EDH | EDH |
| Job Number: | Drawing Number: Issue: |

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| 1708_a | L_306 | D |
|--------|-------|---|

HERITAGE CONSIDERATION - INTERPRETIVE ELEMENTS
CAMERON PARK VILLAGE - LANDSCAPE ELEMENTS



TIMBER
100 x 32mm x 450
IN 'MODWOOD' / 'INNOWOOD'. OR
STAINED HARDWOOD.



'Modwood' or 'Innowood'



Precedent: interpretation of timber railway sleepers. Recommend: 100mm x 32mm x 450mm in 'Modwood' or 'Innowood' or stained hardwood.



CONCEPT. NOT FOR CONSTRUCTION For Development Application only - to be detailed further post DA.

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Registered Landscape Architect AILA (#001539)
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| Issue | Revision Description | Drawn | Check | Date |
|-------|--------------------------------------|-------|-------|----------|
| C | Interpretive elements - Cameron Park | EDH | EDH | 06.07.18 |
| B | Interpretive elements - Cameron Park | EDH | EDH | 23.04.18 |
| A | Options for internal co-ordination | EDH | EDH | 19.03.18 |

LEGEND:



DEVELOPMENT APPLICATION

Client:
Fabcot Pty Ltd

Project:
Cameron Park Plaza,
390 George Booth Dr., Cameron Pk

| | | | |
|-------------|--------|-----------------|-------|
| Drawn: | EDH | Approved: | EDH |
| Job Number: | 1708_a | Drawing Number: | L_307 |
| Issue: | | | C |

D08999660

Other precedents for bollard seating along tenancies 18 to 21-
separation between car park and pathway/tenancies



bollard /
separation



Signage (inset)



CONCEPT. NOT FOR CONSTRUCTION Precedent study only

[illegible]

LEGEND:



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DEVELOPMENT APPLICATION

Client:
Fabcot Pty Ltd

Project:
Cameron Park Plaza,
390 George Booth Dr., Cameron Pk

| | | | |
|--|--------|-----------------|---------|
| Drawing Name: | | 1708 | |
| Landscape Architectural Heritage interpretation elements. | | | |
| This sheet is for Development Application information only. | | | |
| Scale: | | | |
| Scale bar: | | | |
| Drawn: | EDH | Approved: | EDH |
| Job Number: | 1708 a | Drawing Number: | L 308 C |