



Department of
**State Development,
Manufacturing,
Infrastructure and Planning**

Our ref: WR18/49929

26 March 2019

Ms Tina Freeman
Senior Environment Officer
Sunshine Coast Regional Council
Locked Bag 72
Sunshine Coast Mail Centre QLD 4560

Email: tina.freeman@sunshinecoast.qld.gov.au

Dear Ms Freeman

Exemption certificate

The Department of State Development, Manufacturing, Infrastructure and Planning received your request for an exemption certificate to be given for the development described below on 3 December 2018 and further supporting information on 8 February 2019.

Under section 46(2) of the *Planning Act 2016*, the department advises that an exemption certificate is given for the development described below.

Applicant details

Applicant name:	Sunshine Coast Regional Council
Applicant contact details:	Locked Bag 72 Sunshine Coast Mail Centre QLD 4560

Premises details

Street address:	Bradman Avenue, Maroochydore
Real property description:	Road reserve (Bradman Avenue)
Local government area:	Sunshine Coast Regional Council
Premises Owner:	State of Queensland

1 William Street
Brisbane QLD 4000
PO Box 15009 City East
Queensland 4002 Australia
Telephone +61 7 3452 7100
www.dsdmip.qld.gov.au
ABN 29 230 178 530

Development details

The works will involve the installation of a raised deck and boardwalk adjacent to a planned shelter, over an area of existing park and fill. The entire project will provide improved amenity for the users of the area as well as improving pedestrian and cycle access to and through the area along the foreshore. The site is within the Coastal Management District however is separated from coastal processes by the revetment wall.

As described above in accordance with the following plans/specifications.

Plans/specifications	Prepared by	Date	Reference no.	Version/issue
Aspect of development: Operational work				
Cover sheet	Sunshine Coast Council	14/09/2018	D-1883 Sheet L001	B
Tree Protection and Site Clearance Plans	Sunshine Coast Council	14/09/2018	D-1883 Sheet L101-L105	B
Setout and Jointing Plans	Sunshine Coast Council	14/09/2018	D-1883 Sheet L201-L205	B
Landscape Details	Sunshine Coast Council	14/09/2018	D-1883 Sheet L905-L907	B

Assessable development

This exemption certificate relates to the following provisions of the Planning Regulation 2017: 10.17.1.1.1 Tidal works or work in a coastal management district

Reasons for giving the exemption certificate

This exemption certificate is given as the effects of the development would be minor or inconsequential, considering the circumstances under which the development was categorised as assessable development and where undertaken in accordance with the approved plans attached.

When exemption certificate ceases to have effect

Pursuant to section 46(8) of the *Planning Act 2016* this exemption certificate has effect for two years.

For further information please contact Paul Gleeson, Principal Planning Officer on 5352 9717, or via email SEQNorthSARA@dsmip.qld.gov.au who will be pleased to assist.

Yours sincerely



Caroline Plank
Acting Manager (Planning)

Attached: Approved plans

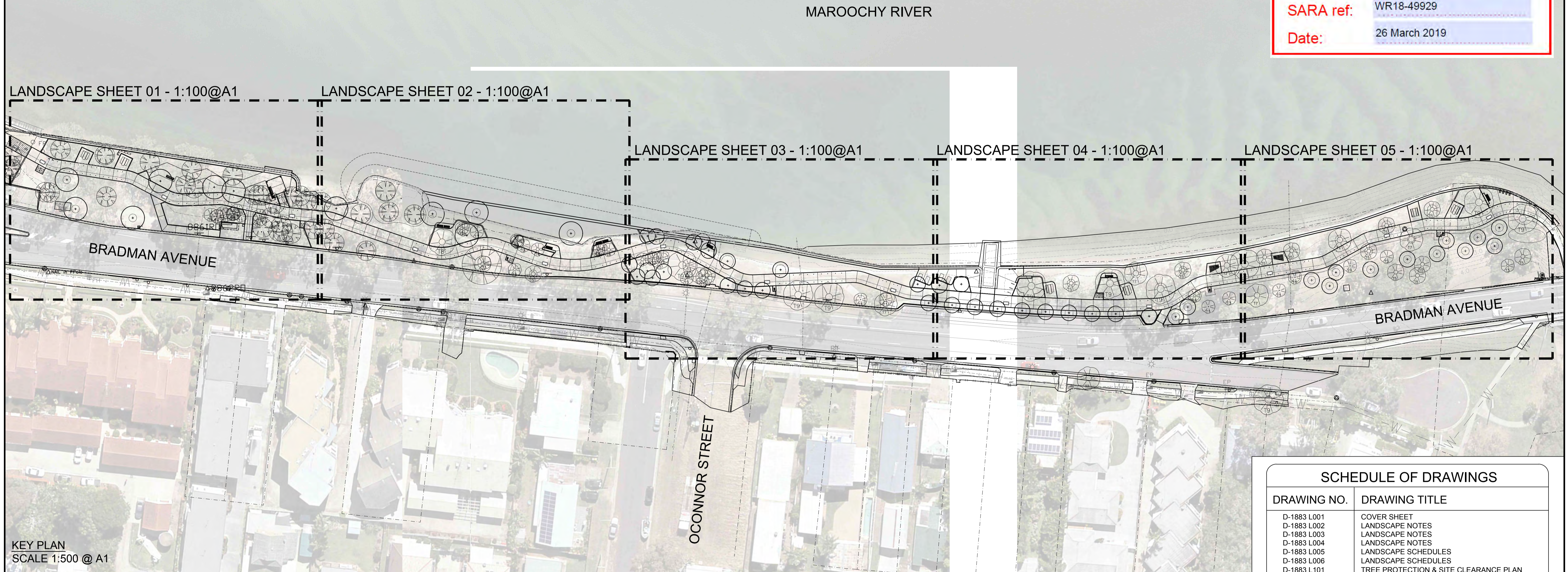
D-1883 BRADMAN AVENUE, MAROOCHY RIVER FORESHORE

LANDSCAPE CONSTRUCTION DOCUMENTATION

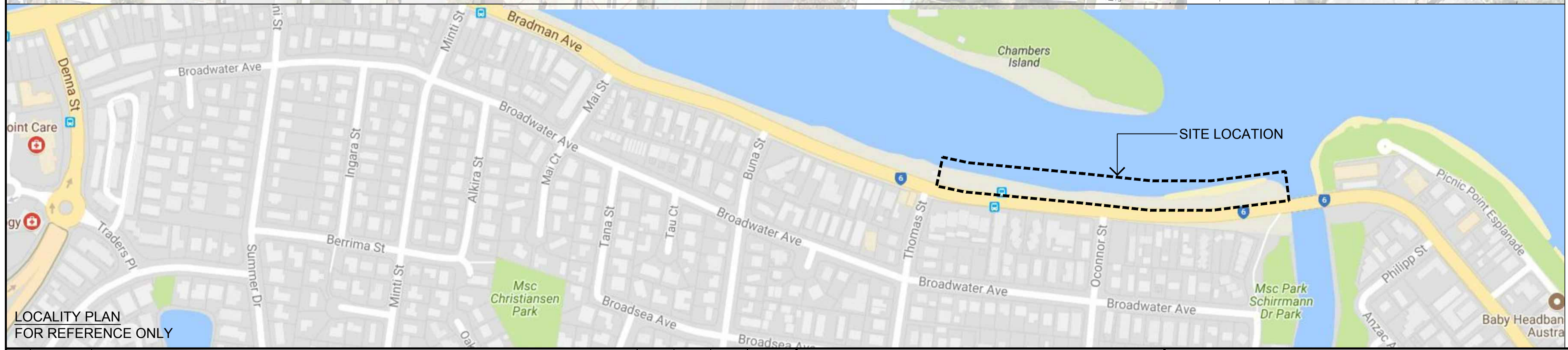
PLANS AND DOCUMENTS
referred to in the
EXEMPTION CERTIFICATE

SARA ref: WR18-49929

Date: 26 March 2019

KEY PLAN
SCALE 1:500 @ A1



SCHEDULE OF DRAWINGS	
DRAWING NO.	DRAWING TITLE
D-1883 L001	COVER SHEET
D-1883 L002	LANDSCAPE NOTES
D-1883 L003	LANDSCAPE NOTES
D-1883 L004	LANDSCAPE NOTES
D-1883 L005	LANDSCAPE SCHEDULES
D-1883 L006	LANDSCAPE SCHEDULES
D-1883 L101	TREE PROTECTION & SITE CLEARANCE PLAN
D-1883 L102	TREE PROTECTION & SITE CLEARANCE PLAN
D-1883 L103	TREE PROTECTION & SITE CLEARANCE PLAN
D-1883 L104	TREE PROTECTION & SITE CLEARANCE PLAN
D-1883 L105	TREE PROTECTION & SITE CLEARANCE PLAN
D-1883 L201	SETOUT & JOINTING PLAN
D-1883 L202	SETOUT & JOINTING PLAN
D-1883 L203	SETOUT & JOINTING PLAN
D-1883 L204	SETOUT & JOINTING PLAN
D-1883 L205	SETOUT & JOINTING PLAN
D-1883 L301	LEVELS & DRAINAGE PLAN
D-1883 L302	LEVELS & DRAINAGE PLAN
D-1883 L303	LEVELS & DRAINAGE PLAN
D-1883 L304	LEVELS & DRAINAGE PLAN
D-1883 L305	LEVELS & DRAINAGE PLAN
D-1883 L401	SURFACE FINISHES & PLANTING PLAN
D-1883 L402	SURFACE FINISHES & PLANTING PLAN
D-1883 L403	SURFACE FINISHES & PLANTING PLAN
D-1883 L404	SURFACE FINISHES & PLANTING PLAN
D-1883 L405	SURFACE FINISHES & PLANTING PLAN
D-1883 L901	LANDSCAPE DETAILS
D-1883 L902	LANDSCAPE DETAILS
D-1883 L903	LANDSCAPE DETAILS
D-1883 L904	LANDSCAPE DETAILS
D-1883 L905	LANDSCAPE DETAILS
D-1883 L906	LANDSCAPE DETAILS
D-1883 L907	LANDSCAPE DETAILS
D-1883 L908	LANDSCAPE DETAILS
D-1883 L909	LANDSCAPE DETAILS

Rev.	DATE	REVISIONS	DRN	CHK	APP	SCALE
B	14/09/2018	TENDER ISSUE	JB	TD	CD	A1 - 1:500
A	01/07/2018	PRELIMINARY ISSUE	JB	TD	CD	A3 - 1:1000



BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

COVER SHEET

Design ID:
D-1883
Sheet No. - Revision No.
L001 B

FILE:O:\Design\Apps\1883 Bradman Avenue_Maroochydrone_Bradman Avenue Forward Design\01 Landscape Design\Autocad\181023 D-1883 Bradman Avenue.dwg DATE:30/Oct/2018 BY:TB015

PLANS AND DOCUMENTS
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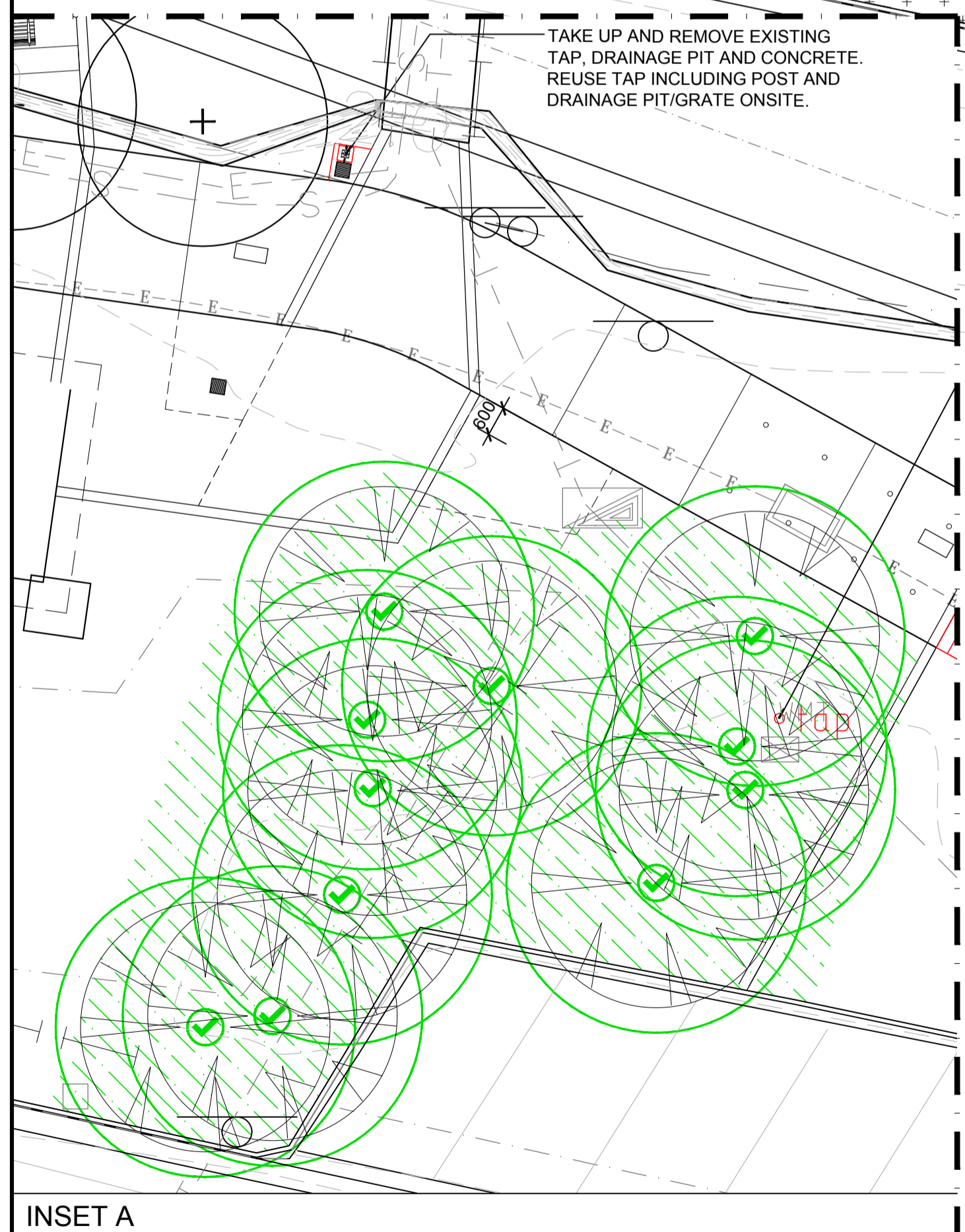
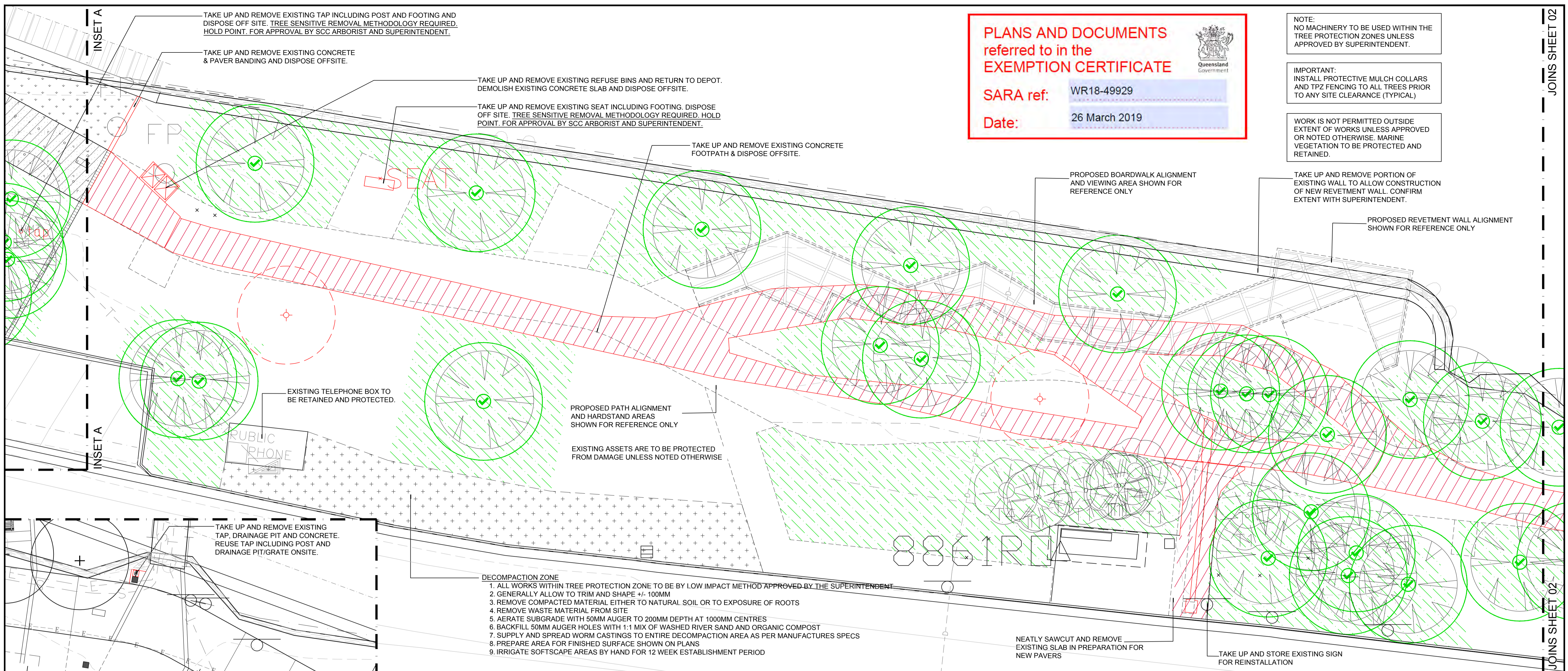
Date: 26 March 2019



NOTE:
NO MACHINERY TO BE USED WITHIN THE TREE PROTECTION ZONES UNLESS APPROVED BY SUPERINTENDENT.

IMPORTANT:
INSTALL PROTECTIVE MULCH COLLARS AND TPZ FENCING TO ALL TREES PRIOR TO ANY SITE CLEARANCE (TYPICAL)

WORK IS NOT PERMITTED OUTSIDE EXTENT OF WORKS UNLESS APPROVED OR NOTED OTHERWISE. MARINE VEGETATION TO BE PROTECTED AND RETAINED.



TREE PROTECTION & SITE CLEARANCE PLAN LEGEND

- EOW - EXTENT OF WORKS UNDER CONTRACT
- EXISTING RP PROPERTY BOUNDARY
- EXISTING TREE TO BE RETAINED AND PROTECTED.
- EXISTING TREE TO BE REMOVED FROM SITE CUT TO GROUND LEVEL AND STUMP GRIND 150mm BELOW GROUND
- TREE PROTECTION ZONE (FENCED) REFER TO SPECIFICATION REFER TO AS4970 (2009)
- TREE PROTECTION ZONE (UN-FENCED) REFER TO SPECIFICATION REFER TO AS4970 (2009)
- TREE PROTECTION ZONE (FENCED) COUNCIL ARBORIST SUPERVISED WORKS AREA REFER TO SPECIFICATION FOR SENSITIVE WORKS REQUIREMENTS REFER TO AS4970 (2009)
- EXISTING HARDSTAND - TAKE UP & REMOVE FROM SITE
- EXISTING SOFTSCAPE - TAKE UP & REMOVE FROM SITE
- EXISTING FEATURES AS IDENTIFIED - TAKE UP AND REMOVE FROM SITE
- SOIL IMPROVEMENT / DECOMPACTION ZONE TREE SENSITIVE REMOVAL METHODOLOGY REQUIRED. HOLD POINT FOR APPROVAL BY SCC ARBORIST AND SUPERINTENDENT.

PROTECTION OF SERVICES
THE LOCATION AND PROTECTION OF ALL SERVICES AFFECTED BY THE WORKS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BEAR ALL COSTS ASSOCIATED WITH THE REPAIR AND REINSTATEMENT OF THE SERVICES DAMAGED BY THE CONTRACTOR.

NOTE:
DEPOT ADDRESS: WISES ROAD, MAROOCHYDORE DEPOT
OPEN TIMES: 6.00AM TO 9.00AM
CONTACT: PAUL FRAM ON 5475 7311 TO ORGANISE DROP OFF

ALL MATERIALS SCHEDULED FOR DEMOLITION IS TO BE REMOVED TO A LEGAL DUMP SITE.

TREE PROTECTION NOTES

PRIOR TO WORKS COMMENCEMENT A TREE PROTECTION ZONE (TPZ) SHALL BE ESTABLISHED AROUND ALL TREES WITHIN OR IMMEDIATELY ADJACENT TO THE WORKS AREA AND MUST REMAIN IN PLACE UNTIL WORKS COMPLETION. TPZs SHALL BE ESTABLISHED IN ACCORDANCE WITH AS4970 *The protection of trees on development sites* AS OUTLINED IN THE SCC OPEN SPACE LANDSCAPE INFRASTRUCTURE MANUAL, PRELIMINARY SITE SET UP, SECTION 8 *Protection of trees on construction sites*. TEMPORARY FENCING OR PROTECTIVE ENCLOSURES TO THE APPROVAL OF THE SCC ARBORIST SHALL BE ERRECTED ON THE EDGE OF TPZs EXCLUDING ACCESS TO THE AREA WITHIN AT ALL TIMES. THESE MUST NOT BE ALTERED OR REMOVED FOR THE DURATION OF THE PROJECT. ALL DEMOLITION AND CONSTRUCTION RELATED ACTIVITIES INCLUDING STOCKPILING, EQUIPMENT STORAGE, WASH DOWN AND REFUELLING MUST REMAIN OUTSIDE OF TPZs AT ALL TIMES. WORKS APPROVED FOR WITHIN TPZs MUST BE SUPERVISED BY THE SCC ARBORIST AT ALL TIMES.

PRUNING

TREE PRUNING SHALL BE IN LINE WITH AS4373 *Pruning of amenity trees*. ROOT PRUNING WHERE REQUIRED SHALL BE UNDERTAKEN VIA THE USE OF A CLEAN AND SHARP IMPLEMENT MINIMISING SURFACE AREAS OF WOUNDS. CLUMPS OF FIBROUS ROOTS MUST BE RETAINED WHERE EVER POSSIBLE. ALL ROOTS WITH A DIAMETER OF 50mm OR GREATER MUST BE INSPECTED BY THE SCC ARBORIST PRIOR TO SEVERANCE. WHILE TEMPORARILY UNEARTHED, ROOTS MUST BE COVERED WITH HESSIAN OR SIMILAR AND KEPT MOIST UNTIL THEY CAN BE PERMANENTLY COVERED AGAIN.

DAMAGE

ALL SIGNIFICANT DAMAGE TO TREES THAT OCCURS BY ACCIDENT OR AS A RESULT OF UNAPPROVED WORK METHODS WILL REQUIRE RECTIFICATION WORKS TO THE SATISFACTION OF THE SCC ARBORIST. RECTIFICATION MAY CONSIST OF TREE PRUNING, SOIL DE-COMPACTION, SOIL NOURISHMENT AND IMPROVEMENT WORKS, IRRIGATION OR WHERE RECTIFICATION IS NOT POSSIBLE, TREE REPLACEMENT PLANTING.

PRE-START MEETING

THE SCC ARBORIST SHALL ATTEND THE PROJECT PRE-START MEETING TO CONFIRM TPZ EXTENTS, WORKS METHODOLOGY, VEHICLE ACCESS POINTS AND PATH OF TRAVEL, SITE OFFICE AND STORAGE SET UP AREAS AND PROJECT SPECIFIC HOLD POINTS.

HOLD POINT:
SCC ARBORIST TO INSPECT AND SIGN OFF ON SATISFACTORY EXCLUSION FENCING PRIOR TO COMMENCEMENT OF WORKS.

ARBORIST REVIEW

TITLE:

SIGNED:

DATE:

Rev.	DATE	REVISIONS	DRN	CHK	APP	SCALE
B	14/09/2018	TENDER ISSUE	JB	TD	CD	A1 - 1:100
A	01/07/2018	PRELIMINARY ISSUE	JB	TD	CD	A3 - 1:200



BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

TREE PROTECTION & SITE CLEARANCE PLAN

Design ID:
D-1883
Sheet No. - Revision No.
L101 B

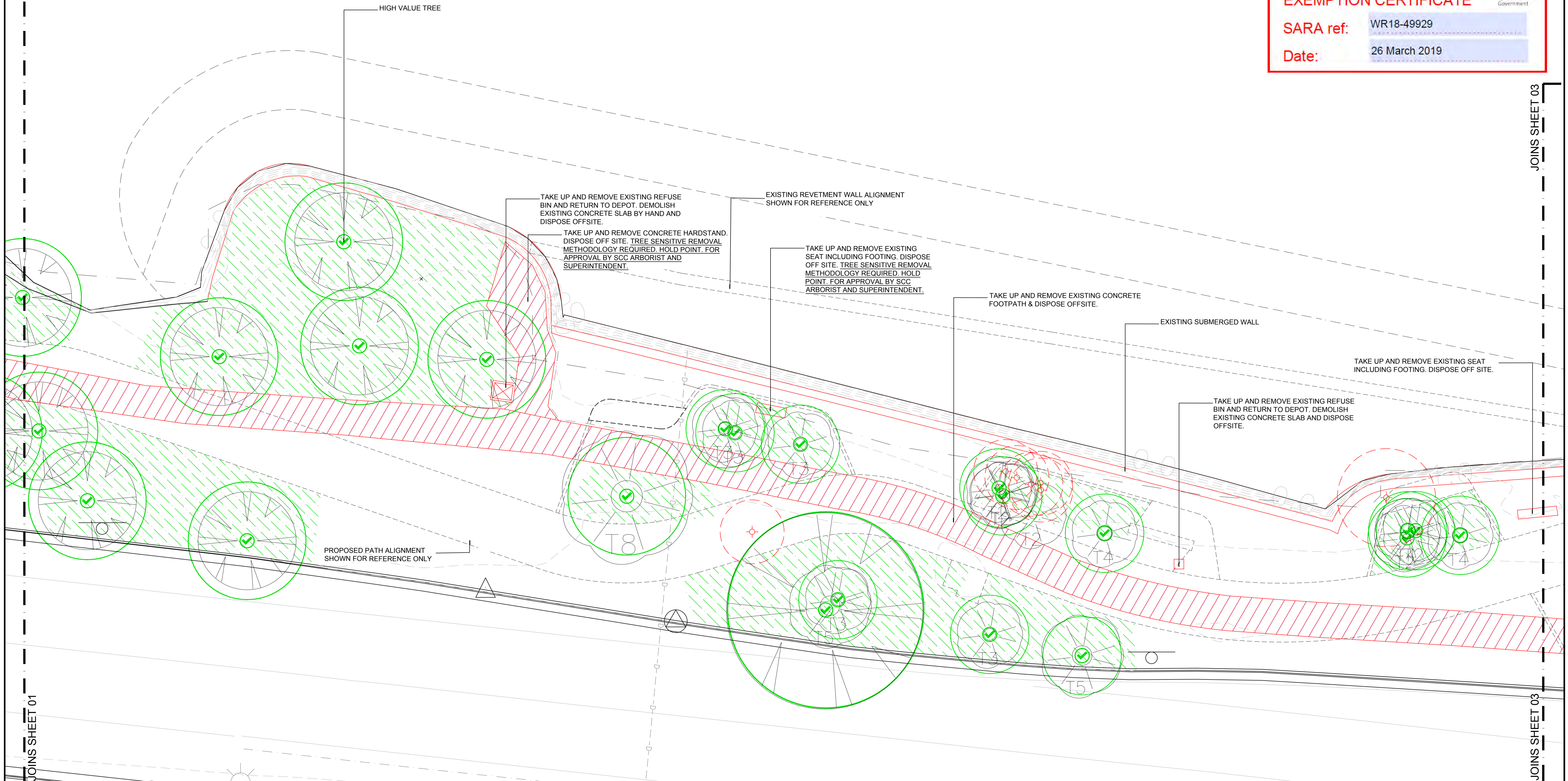
NOTE:
NO MACHINERY TO BE USED WITHIN THE
TREE PROTECTION ZONES UNLESS
APPROVED BY SUPERINTENDENT.

IMPORTANT:
INSTALL PROTECTIVE MULCH COLLARS
AND TPZ FENCING TO ALL TREES PRIOR
TO ANY SITE CLEARANCE (TYPICAL)

PLANS AND DOCUMENTS
referred to in the
EXEMPTION CERTIFICATE

SARA ref: WR18-49929

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Rv.	DATE	REVISIONS	DRN	CHK	APP	SCALE



BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

TREE PROTECTION & SITE CLEARANCE PLAN

Design ID:
D-1883

Sheet No. - Revision No.
L102 B

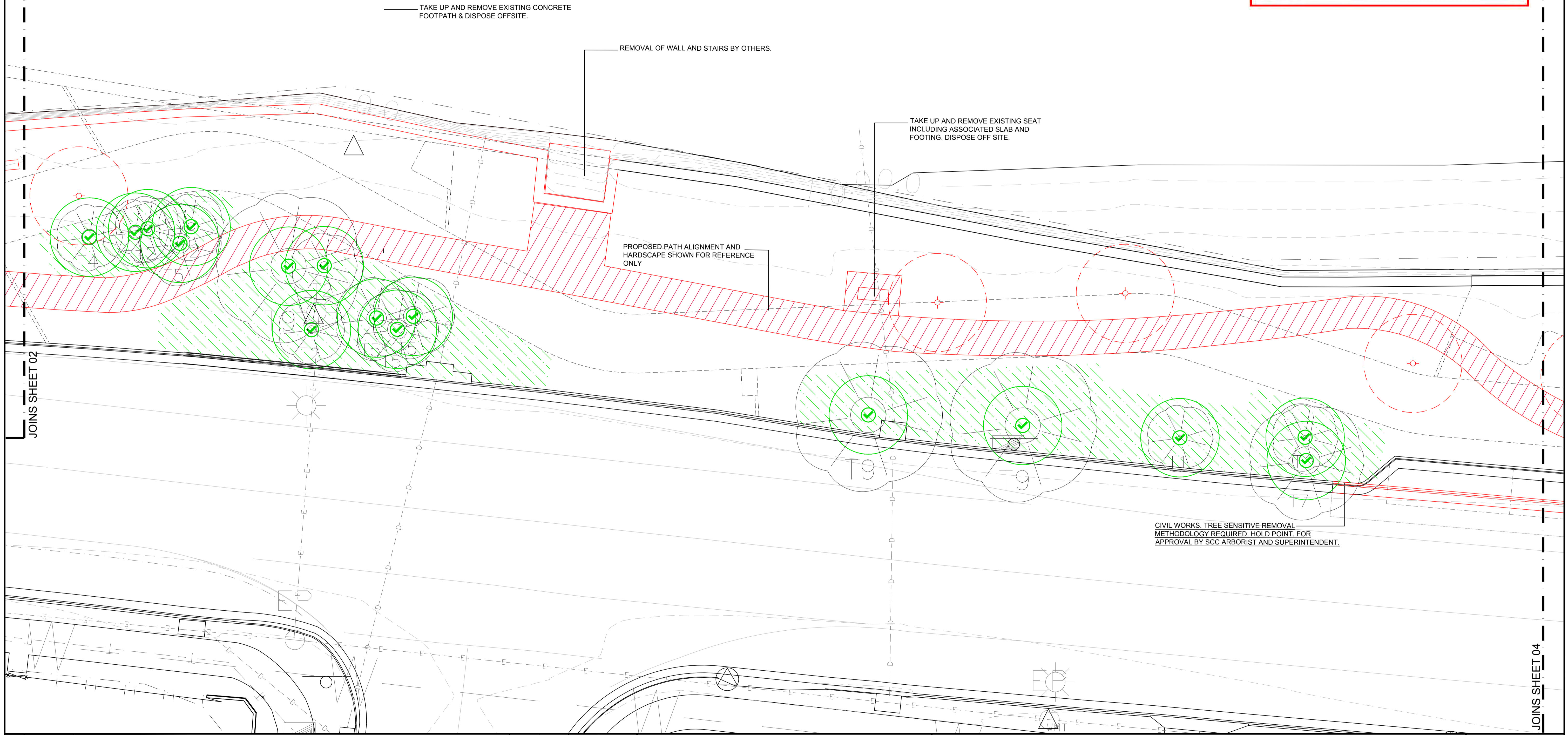
NOTE:
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TREE PROTECTION & SITE CLEARANCE PLAN

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L103 B

NOTE:
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IMPORTANT:
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AND TPZ FENCING TO ALL TREES PRIOR
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TAKE UP AND REMOVE EXISTING WALL AND
RIVER ACCESS RAMP. DISPOSE OFF SITE.

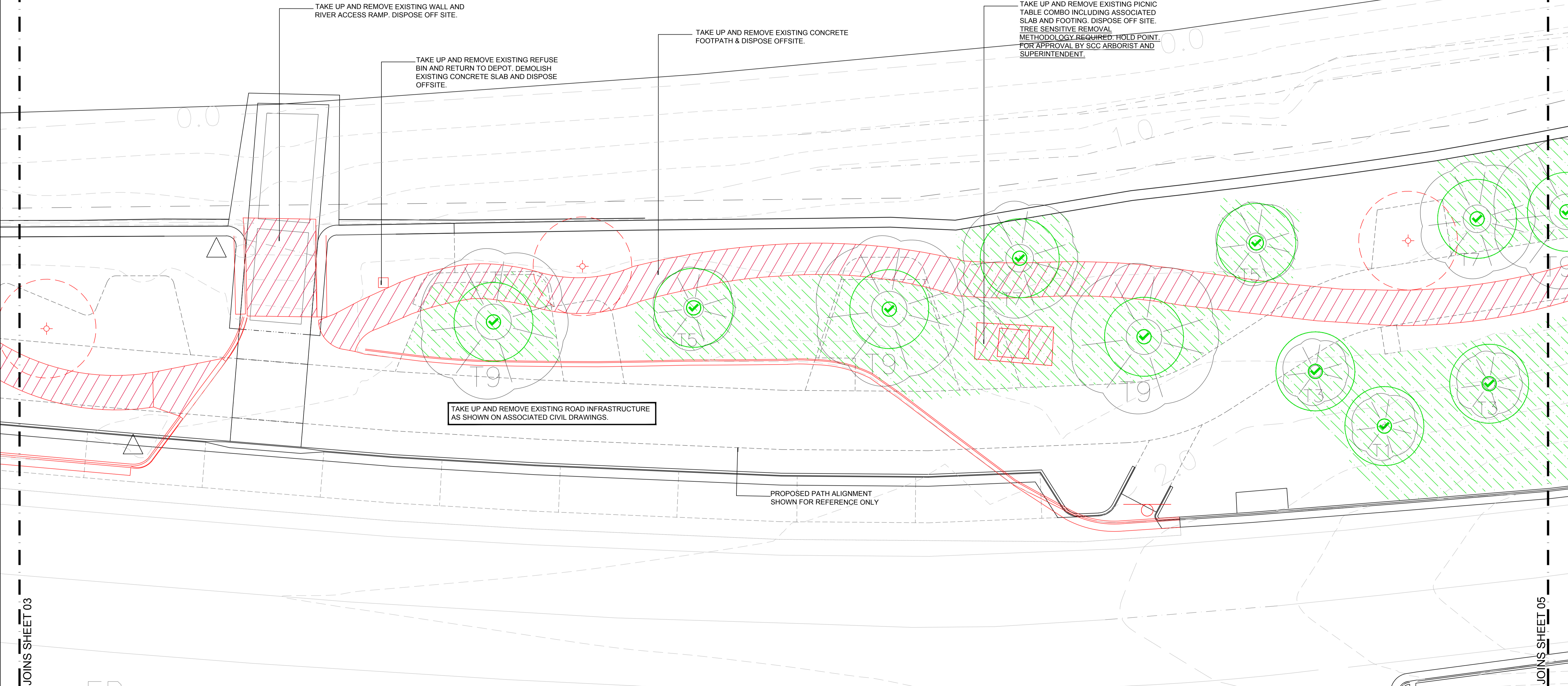
TAKE UP AND REMOVE EXISTING REFUSE
BIN AND RETURN TO DEPOT. DEMOLISH
EXISTING CONCRETE SLAB AND DISPOSE
OFFSITE.

TAKE UP AND REMOVE EXISTING CONCRETE
FOOTPATH & DISPOSE OFFSITE.

TAKE UP AND REMOVE EXISTING PICNIC
TABLE COMBO INCLUDING ASSOCIATED
SLAB AND FOOTING. DISPOSE OFF SITE.
TREE SENSITIVE REMOVAL
METHODOLOGY REQUIRED. HOLD POINT.
FOR APPROVAL BY SCC ARBORIST AND
SUPERINTENDENT.

TAKE UP AND REMOVE EXISTING ROAD INFRASTRUCTURE
AS SHOWN ON ASSOCIATED CIVIL DRAWINGS.

PROPOSED PATH ALIGNMENT
SHOWN FOR REFERENCE ONLY



B	14/09/2018	TENDER ISSUE						
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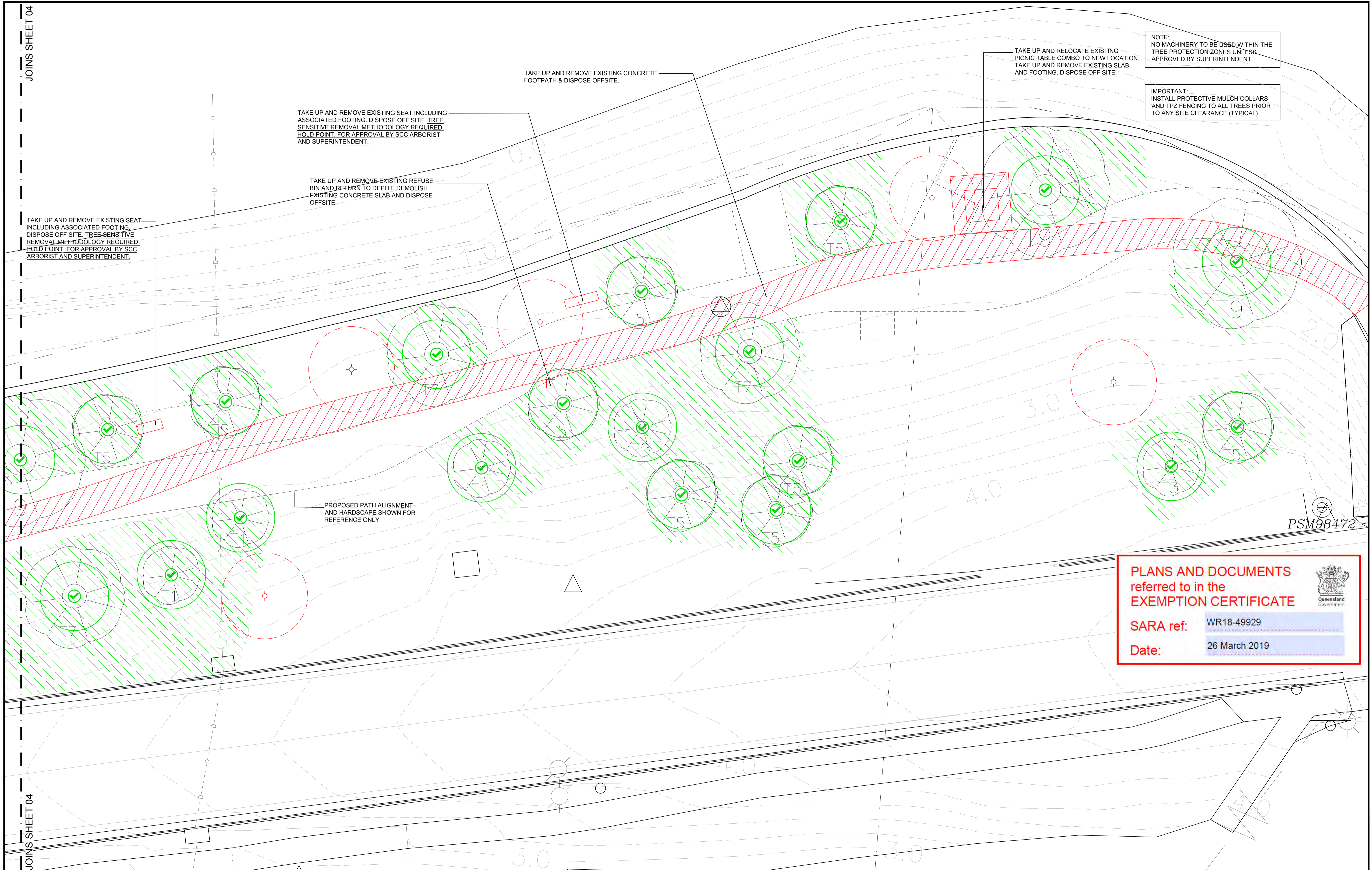


BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION
TREE PROTECTION & SITE CLEARANCE PLAN

Design ID:
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L104 B

JOINS SHEET 04

JOINS SHEET 04



PLANS AND DOCUMENTS referred to in the EXEMPTION CERTIFICATE

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BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
 THOMAS STREET EAST
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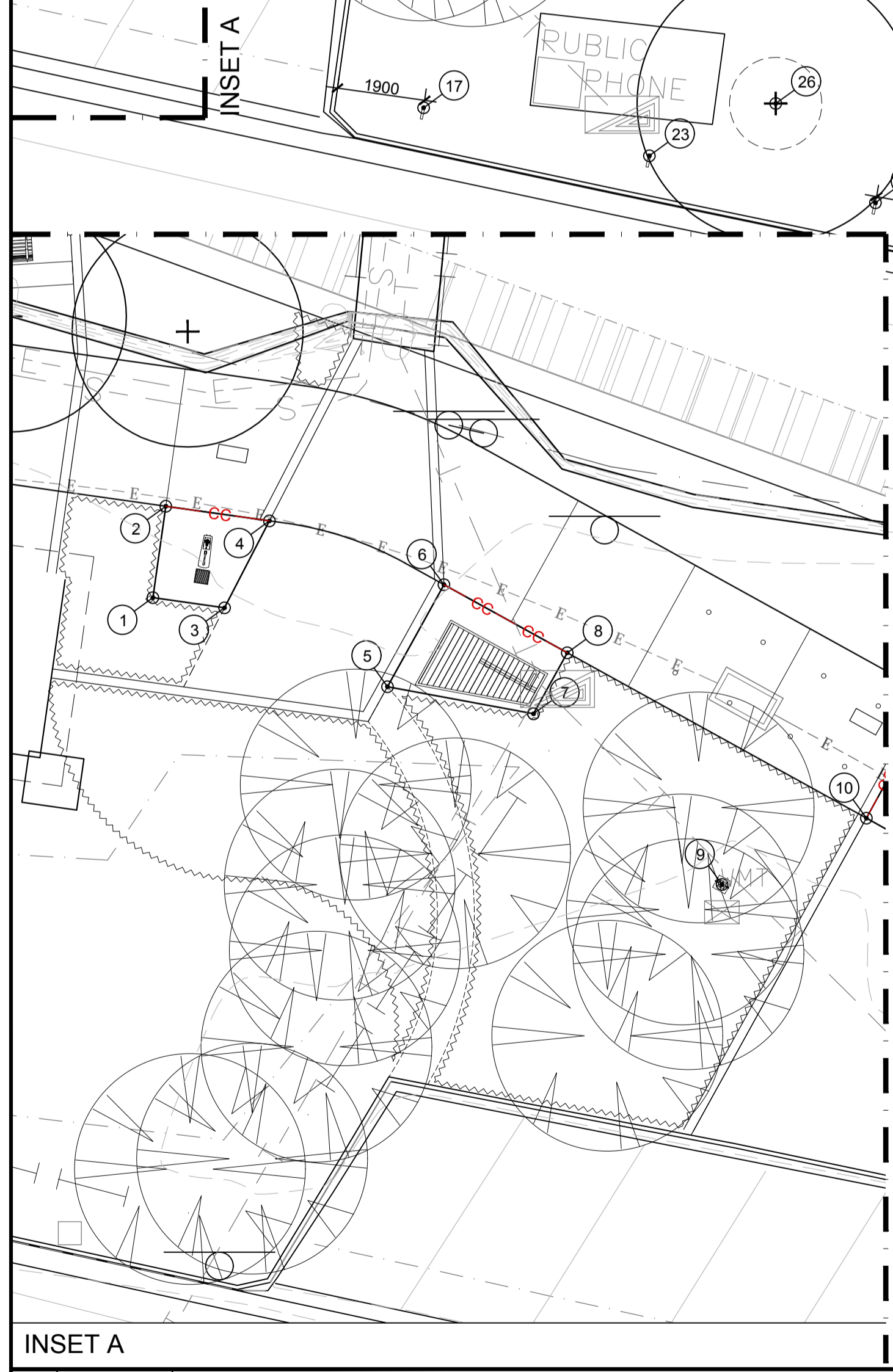
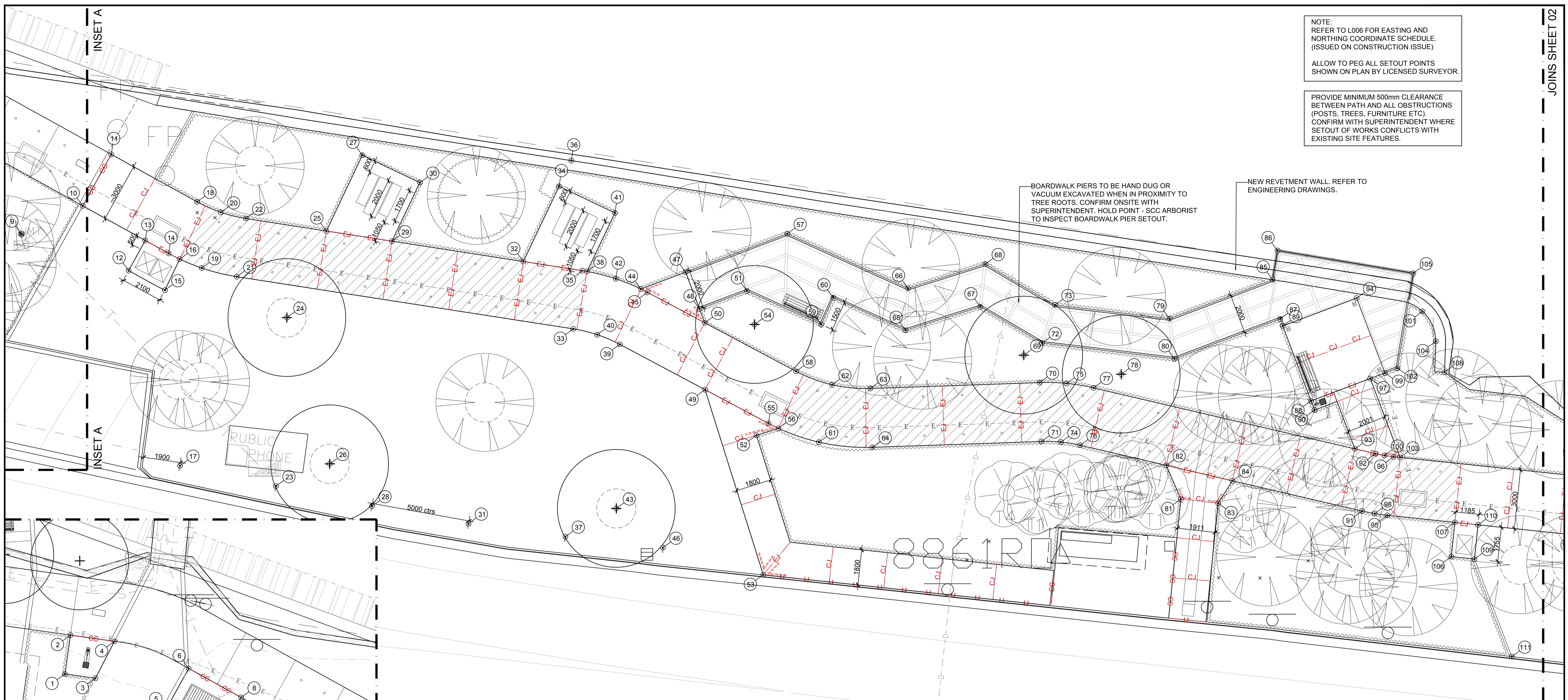
Design ID:
D-1883
 Sheet No. - Revision No.
L105 B

FILE:O:\DesignApps\1883 Bradman Avenue Maroochy\Design\Autocad\181023 D-1883 Bradman Avenue.dwg DATE:30/04/2018 BY:TB015

NOTE:
REFER TO L006 FOR EASTING AND NORTHING COORDINATE SCHEDULE. (ISSUED ON CONSTRUCTION ISSUE)

ALLOW TO PEG ALL SETOUT POINTS SHOWN ON PLAN BY LICENSED SURVEYOR.

PROVIDE MINIMUM 500mm CLEARANCE BETWEEN PATH AND ALL OBSTRUCTIONS (POSTS, TREES, FURNITURE ETC). CONFIRM WITH SUPERINTENDENT WHERE SETOUT OF WORKS CONFLICTS WITH EXISTING SITE FEATURES.



SETOUT & JOINTING LEGEND

- EOW - EXTENT OF WORKS UNDER CONTRACT
- EXISTING RP PROPERTY BOUNDARY
- SET OUT DIMENSIONS - ALL DIMENSIONS MM U.N.O.
- EXISTING ELECTRICITY POLE
- PROPOSED NEW TREE CENTRE
- SETOUT CO-ORDINATE MARKER REFER TO SETOUT TABLE ON L005
- CJ - CONTROL JOINT - REFER TO DETAILS ON L901 - REFER TO NOTES
- CC - EXPANSION JOINT TO EXISTING - REFER TO DETAILS ON L901 - REFER TO NOTES
- EJ - EXPANSION JOINT - REFER TO DETAILS ON L901 - REFER TO NOTES
- IJ - ISOLATION JOINT - REFER TO DETAILS ON L901 - REFER TO NOTES
- TPZ PAVEMENT - REFER TO DETAIL 08-901 - REFER TO SPECIFICATIONS
- PROVIDE 2-N12 (1200 LONG) TRIMMERS TO ALL RE-ENTRANT CORNERS AND ADJACENT JOINT TERMINATIONS; TYPICAL
- PROVIDE 2-N12 (1200 LONG) CORNER BARS TO ALL PANEL CORNERS LESS THAN 90°; TYPICAL

- SETOUT NOTES**
- SETOUT POINTS ARE LOCATED AT WALL FACES, INTERSECTION POINTS, CORNER POINTS, CENTRE POINTS OF RADII, ENDS OF ARCS & STRAIGHTS, CENTRE OF POSTS AND BOLLARDS.
 - ARC ARE SMOOTH WITH CONTINUOUS RADII
 - IF PEGGED SETOUT POINT APPEARS TO BE INCONSISTENT WITH THE PLANS AND DETAILS, SEEK CLARIFICATION FROM THE SUPERINTENDENT BEFORE PROCEEDING WITH CONSTRUCTION.
 - TREE LOCATIONS TO BE PEGGED AND APPROVED BY LANDSCAPE ARCHITECT (NOMINATED BY SUPERINTENDENT) PRIOR TO TREE PIT EXCAVATION.
 - THE SETOUT WILL BE UNDERTAKEN BY A LICENSED SURVEYOR FROM GPS SETOUT POINTS.

PLANS AND DOCUMENTS referred to in the EXEMPTION CERTIFICATE

SARA ref: WR18-49929

Date: 26 March 2019

INSET A

B	14/09/2018	TENDER ISSUE	JB	TD	CD	A1 - 1:100
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BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
 THOMAS STREET EAST
 DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

SETOUT & JOINTING PLAN

Design ID:
D-1883
 Sheet No. - Revision No.
L201 B

JOINS SHEET 01

JOINS SHEET 01

JOINS SHEET 03

JOINS SHEET 03

NOTE:
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(ISSUED ON CONSTRUCTION ISSUE)

ALLOW TO PEG ALL SETOUT POINTS
SHOWN ON PLAN BY LICENSED SURVEYOR.

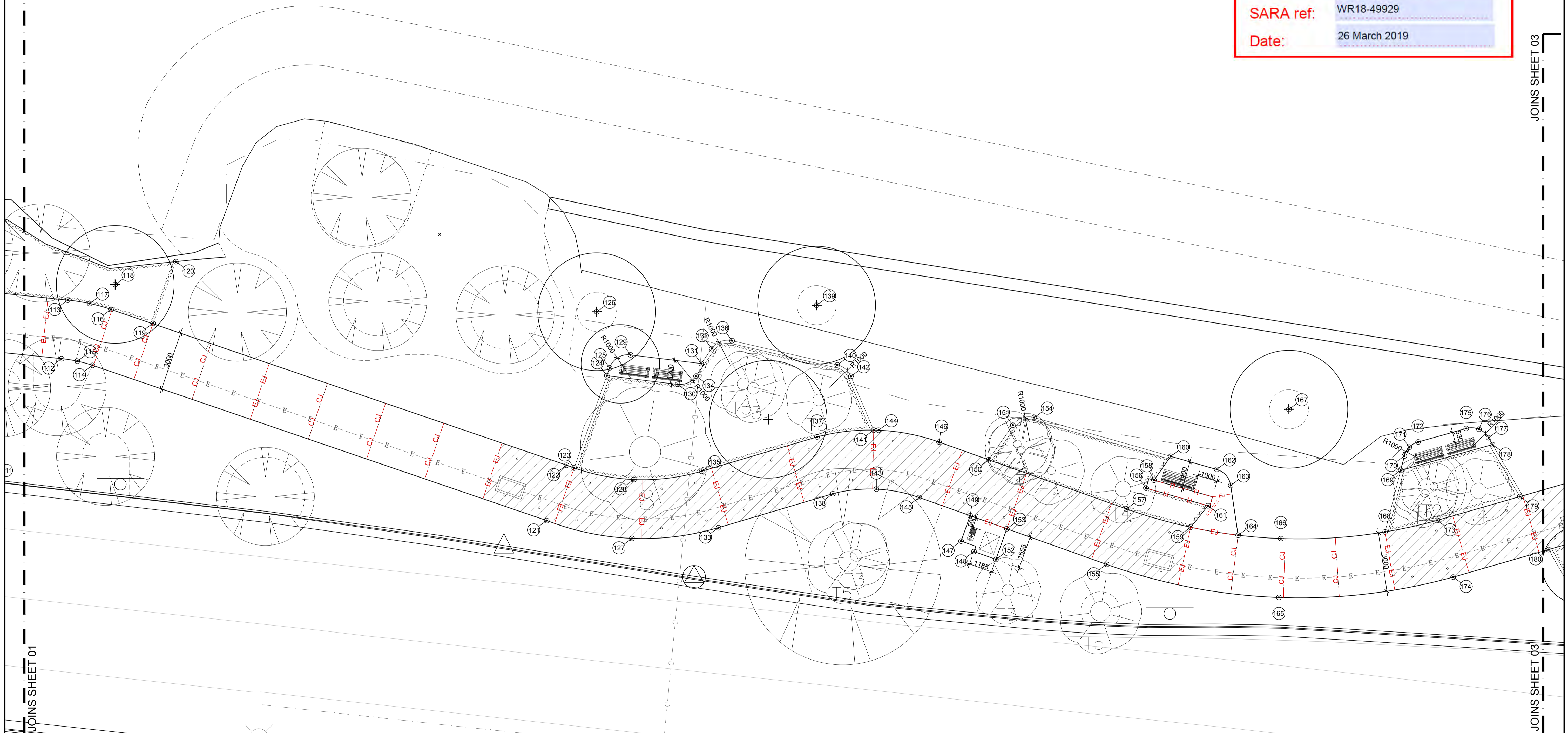
PROVIDE MINIMUM 500mm CLEARANCE
BETWEEN PATH AND ALL OBSTRUCTIONS
(POSTS, TREES, FURNITURE ETC).
CONFIRM WITH SUPERINTENDENT WHERE
SETOUT OF WORKS CONFLICTS WITH
EXISTING SITE FEATURES.

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BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

SETOUT & JOINTING PLAN

Design ID:
D-1883
Sheet No. - Revision No.
L202 B

JOINS SHEET 02

JOINS SHEET 04

NOTE:
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**PLANS AND DOCUMENTS
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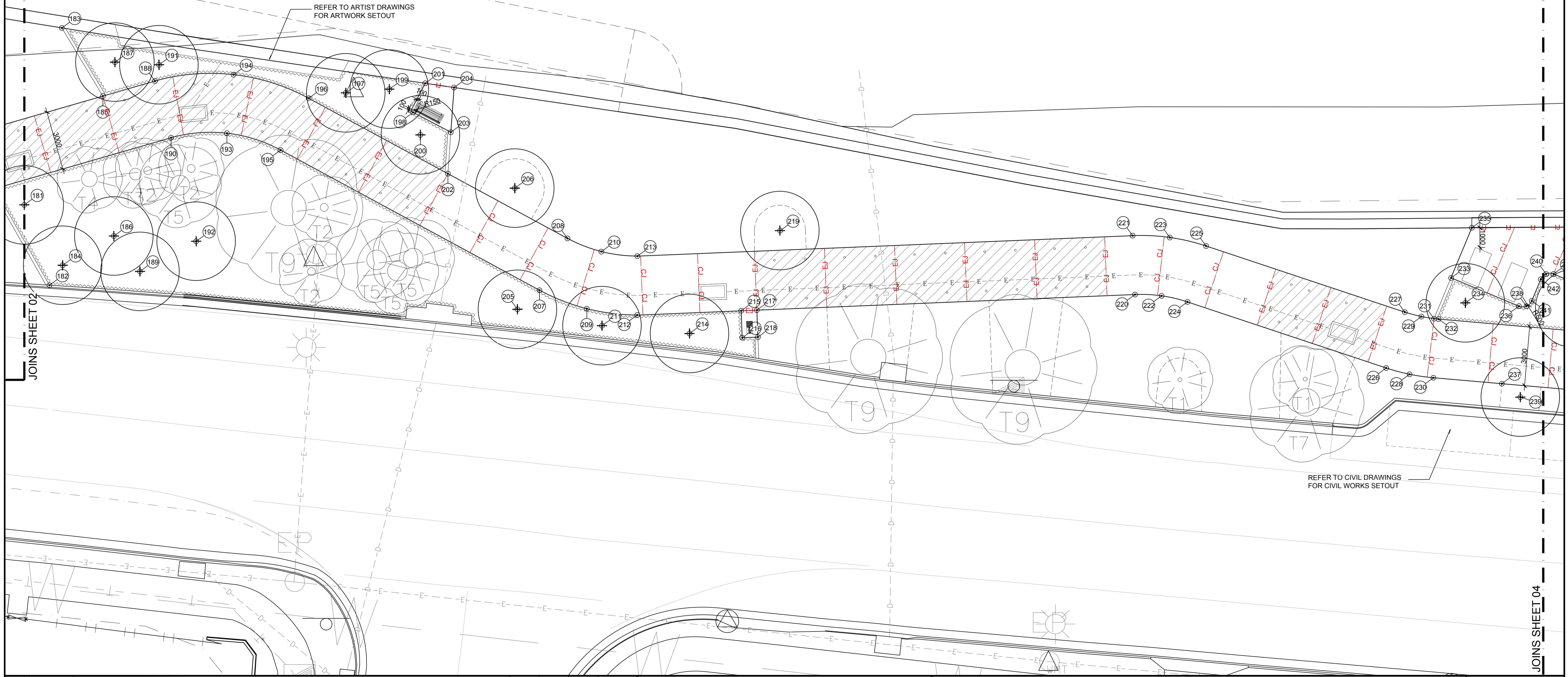


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REFER TO ARTIST DRAWINGS
FOR ARTWORK SETOUT

REFER TO CIVIL DRAWINGS
FOR CIVIL WORKS SETOUT



JOINS SHEET 02

JOINS SHEET 04

B	14/09/2018	TENDER ISSUE	JB	TD	CD	A1 - 1:100	
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BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
 THOMAS STREET EAST
 DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

SETOUT & JOINTING PLAN

Design ID:
D-1883
 Sheet No. - Revision No.
L203 B

FILE:O:\Design\Apps\1883 Bradman Avenue Maroochydore Bradman Avenue Forward Design\01 Landscape Design\AutocAD\181023 D-1883 Bradman Avenue.dwg DATE:30/04/2018 BY:TB015

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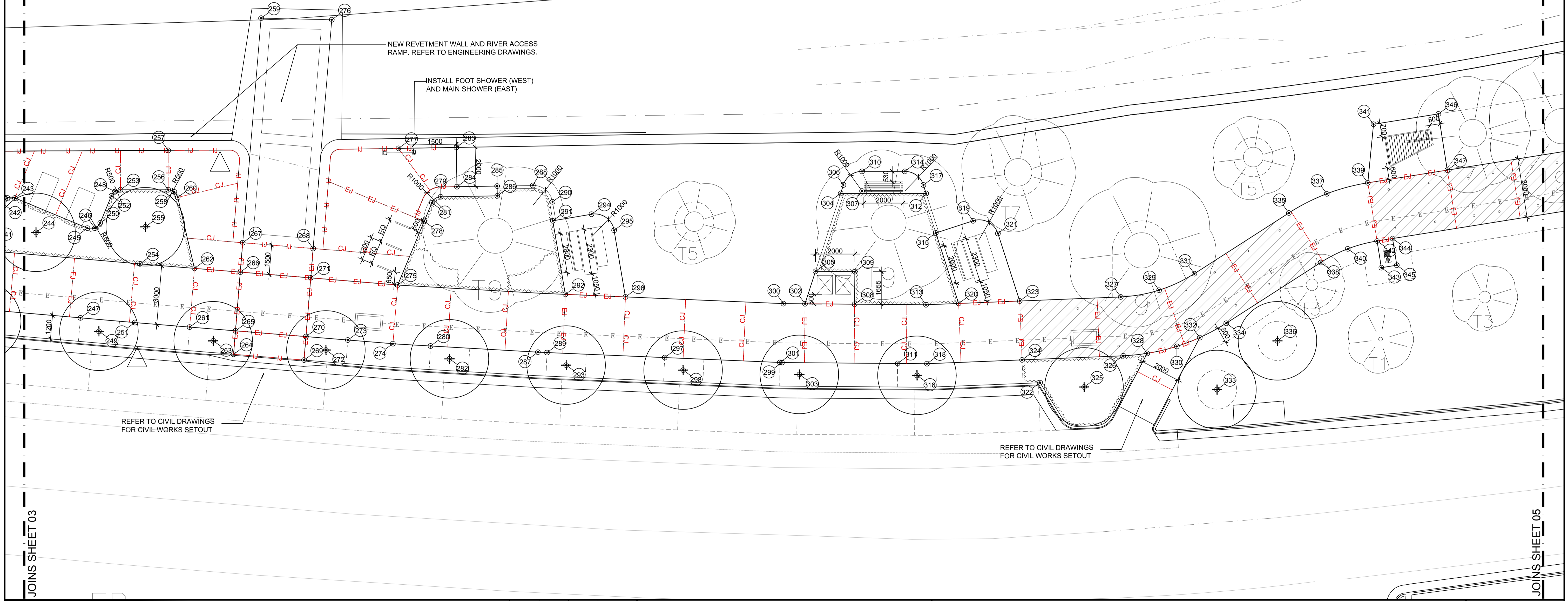
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BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
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SETOUT & JOINTING PLAN

Design ID:
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L204 B

NOTE:
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(POSTS, TREES, FURNITURE ETC).
CONFIRM WITH SUPERINTENDENT WHERE
SETOUT OF WORKS CONFLICTS WITH
EXISTING SITE FEATURES.

NEW WALL BY OTHERS (FUTURE).
REFER TO ENGINEERING DRAWINGS
FOR NEW WALL SETOUT.

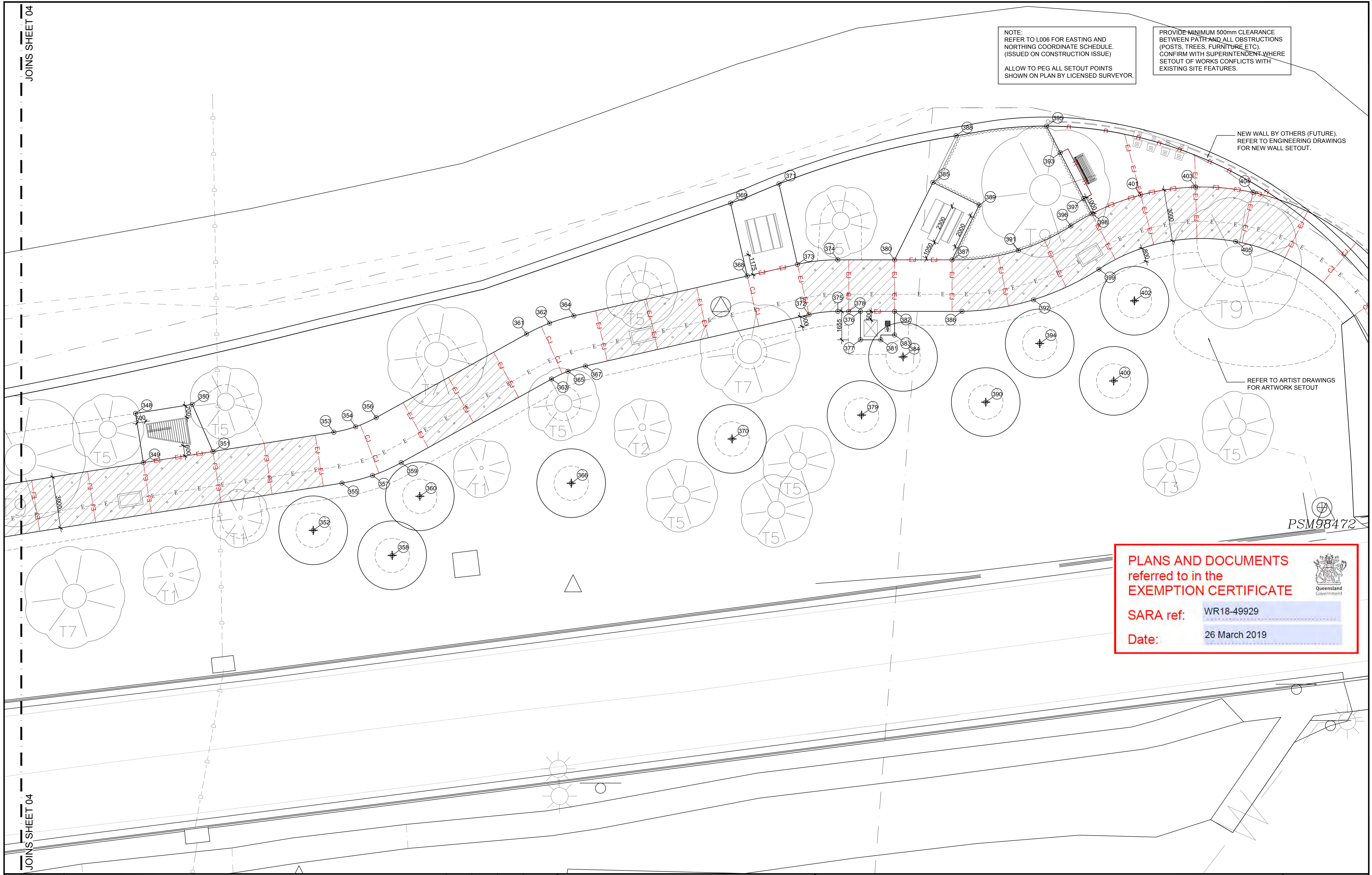
REFER TO ARTIST DRAWINGS
FOR ARTWORK SETOUT

PSM98472

PLANS AND DOCUMENTS
referred to in the
EXEMPTION CERTIFICATE

SARA ref: WR18-49929

Date: 26 March 2019

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B	14/09/2018	TENDER ISSUE	JB	TD	CD	A1 - 1:100
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BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

SETOUT & JOINTING PLAN

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NOTE: BOARDWALK BP2 PIERS TO BE HAND DUG OR VACUUM EXCAVATED WHEN IN PROXIMITY TO TREE ROOTS. CONFIRM ONSITE WITH SCC SUPERINTENDENT.

WAGNERS S/STEEL BRACKETS & RIVETS INSTALLED AS PER MANUFACTURERS SPECIFICATIONS. ENSURE 2x WAGNERS S/STEEL BRACKETS PER JOIST EACH END, TYPICAL.

REFER TO LANDSCAPE PLANS FOR SETOUT & LEVEL INFORMATION.

6mm THICK GR316 S/STEEL 'U' BRACKET CFW TO 20Ø REBAR (400 LONG) CAST INTO BP2 - 300Ø x 1000d 20mpa BORED PIER CONCRETE FOOTING
 FIX FJ1 TO SUPPORTING BRACKET WITH 1-M16 (A4-70) GR316 S/STEEL BOLT. PROVIDE WAGNERS CRUSH INSERTS AS SPECIFIED BY THE MANUFACTURER.

START DECKING AT EACH CHANGE OF DIRECTION AND LINE UP EACH SIDE AS SHOWN, TYPICAL

400 WIDE CONCRETE SHELTER EDGE BEAM EMBEDMENT MINIMUM 200 INTO NATURAL GROUND WITH 6-N16'S LONGITUDINAL + CORNER BARS WITH R10-300 LIGS (70 COVER)

F1 - 200x38 F17 UNS HWD FASCIA BOARDS, LIGHTLY DRESS ONSITE TO A SMOOTH FINISH WITH MIN 5mm ARRIS TO ALL SIDES & FIX TO B1 BEARERS WITH 2-M10 GR316 S/STEEL CUPHEAD BOLTS AT MAXIMUM 450crs OR AS REQUIRED WITH NYLON SEPARATION WASHERS, TYPICAL

B1 - 178x76.2x11.1x6.3 ALUMINIUM CHANNEL BEARER, GRADE 6082-T5

D1 - 120x45 F17 H3 HWD DECKING BOARDS, PENCIL ROUND EDGES, SLOPING SIDES WITH ANTI CUPPING GROOVES, SPOTTED GUM OR IRONBARK SPECIES WITH ROUGH SAWN TOP, 5mm NOMINAL GAPS. PRE-DRILL AND STAGGER 15mm. FIX WITH 2-14 GAUGE S/STEEL BATTEN SCREWS TO EACH JOIST. FOR PERIMETER FRAME FIX WITH 14G S/STEEL TEK SCREWS

P1 - 80x6 ALUMINIUM SHS POST, GRADE 6082-T5 CAST INTO REVETMENT WALL AS DETAILED.

FJ1 - 125x125x6.2 WCFT JOISTS WITH END CAPS AT MAX 650crs. PROVIDE WAGNERS CRUSH INSERTS AS SPECIFIED BY THE MANUFACTURER

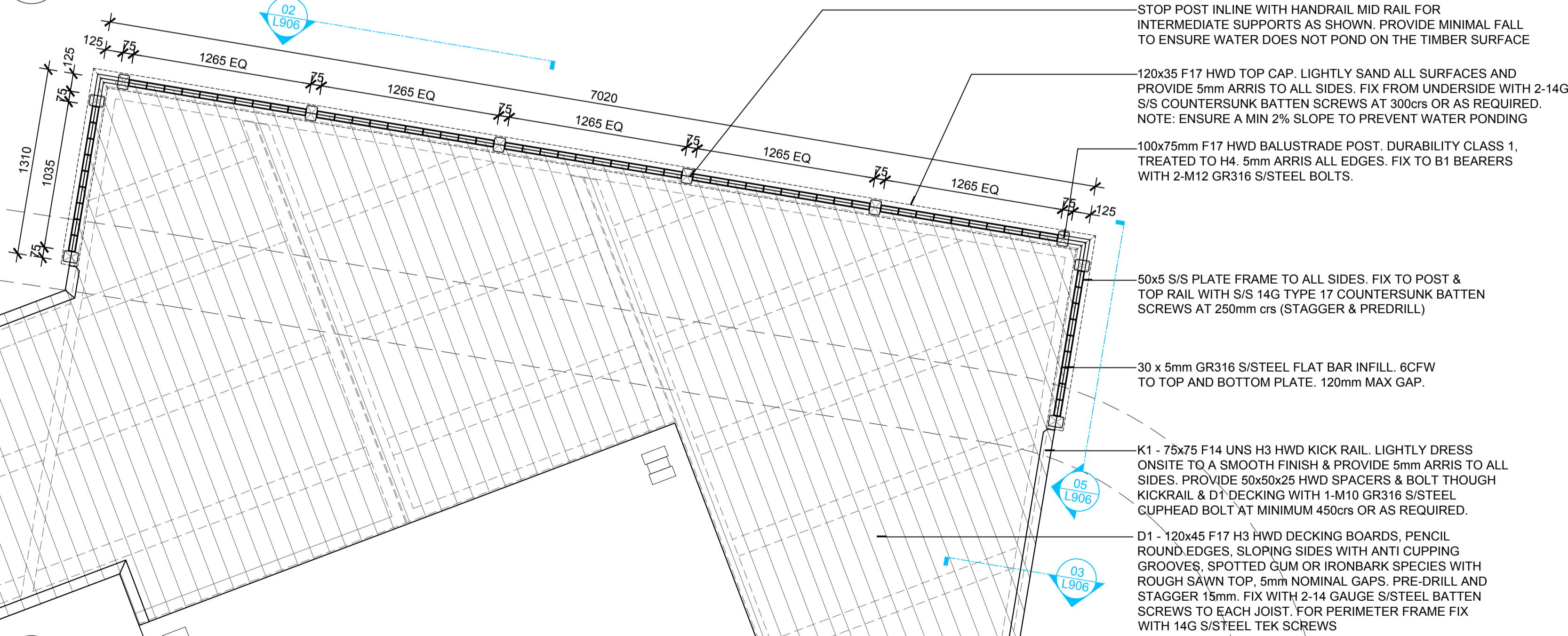
BP1 - 450Ø x 1500d 20mpa BORED PIER CONCRETE FOOTING WITH 5xN12 VERTICAL + R6 LIGS (70 COVER)

P2 - 80x6 ALUMINIUM SHS POST, GRADE 6082-T5 CAST BP1 FOOTING AS DETAILED.

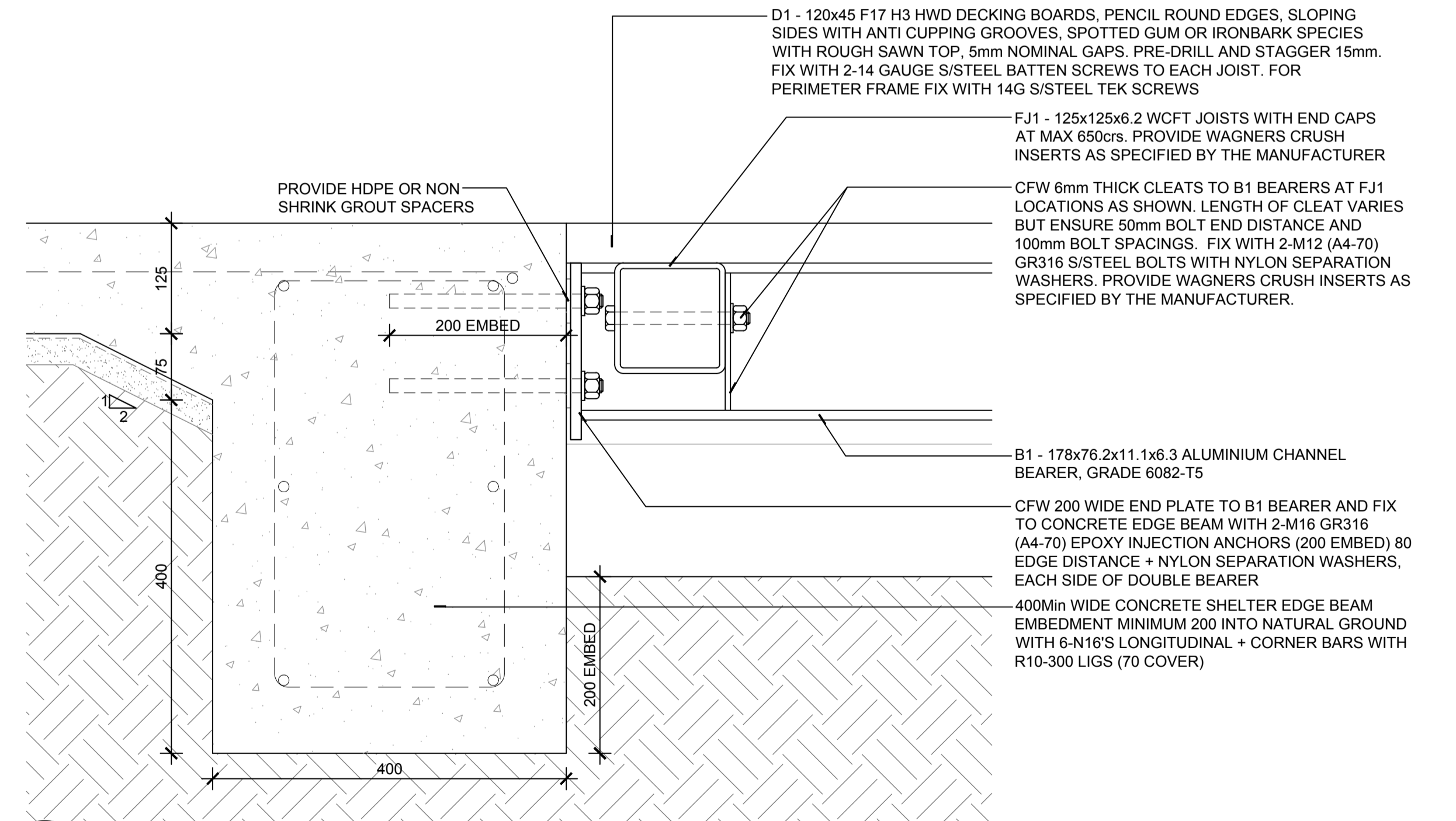
CFW 200 WIDE END PLATE TO B1 BEARER AND FIX TO CONCRETE EDGE BEAM WITH 2-M16 GR316 (A4-70) EPOXY INJECTION ANCHORS (200 EMBED) 80 EDGE DISTANCE + NYLON SEPARATION WASHERS.

CFW 270 LONG 6mm THICK CLEATS TO B1 BEARERS AT FJ1 LOCATIONS AS SHOWN. FIX WITH 2-M12 (A4-70) GR316 S/STEEL BOLTS WITH NYLON SEPARATION WASHERS. PROVIDE WAGNERS CRUSH INSERTS AS SPECIFIED BY THE MANUFACTURER.

01 BOARDWALK & VIEWING DECK FRAMING PLAN
 1:25 @A1 / 1:50 @A3



02 VIEWING DECKING BALUSTRADE LAYOUT PLAN
 1:25 @A1 / 1:50 @A3



03 CONCRETE EDGE BEAM TO DECK STRUCTURE CONNECTION DETAIL, TYPICAL
 1:5 @A1 / 1:10 @A3

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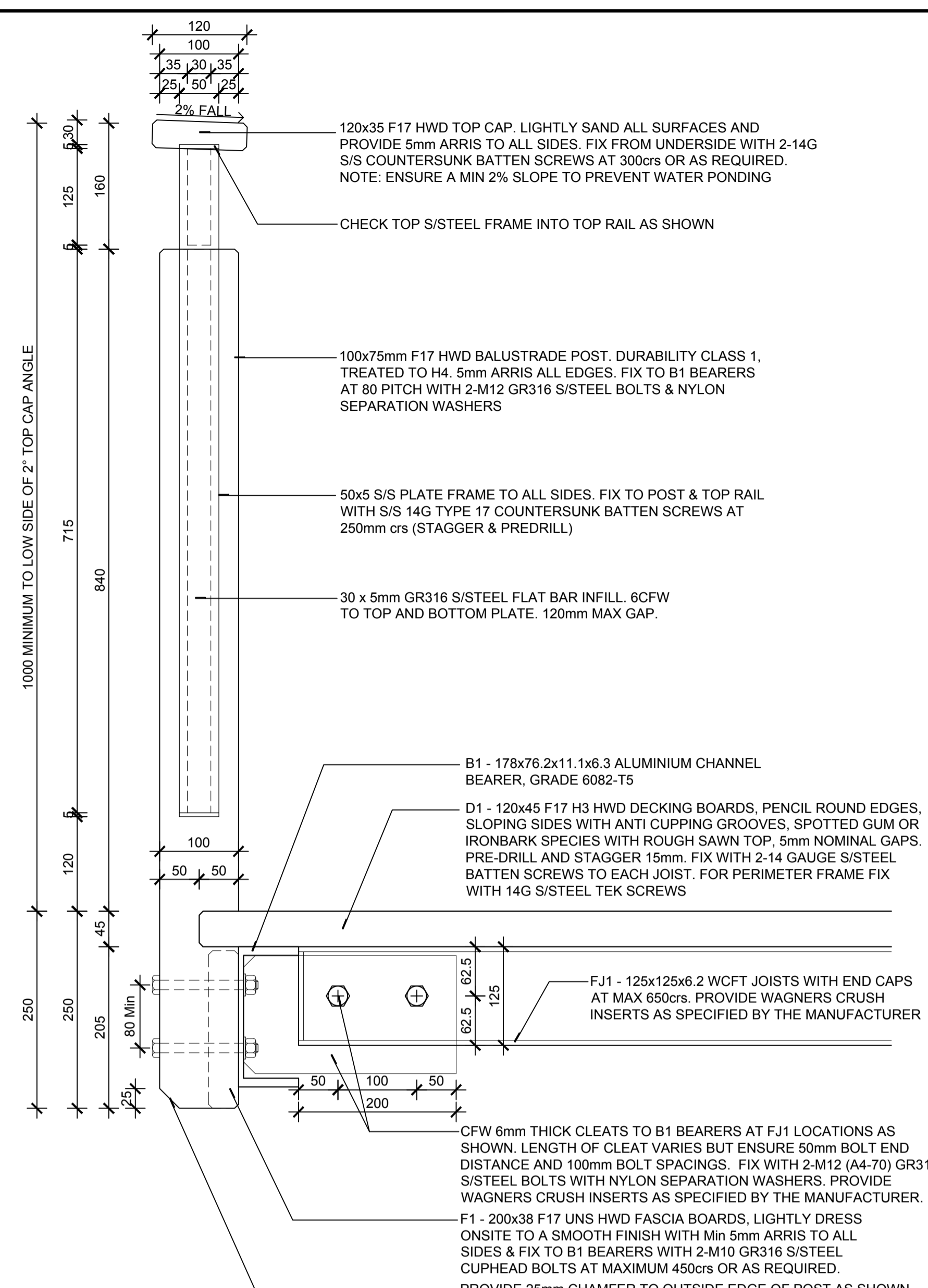


BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
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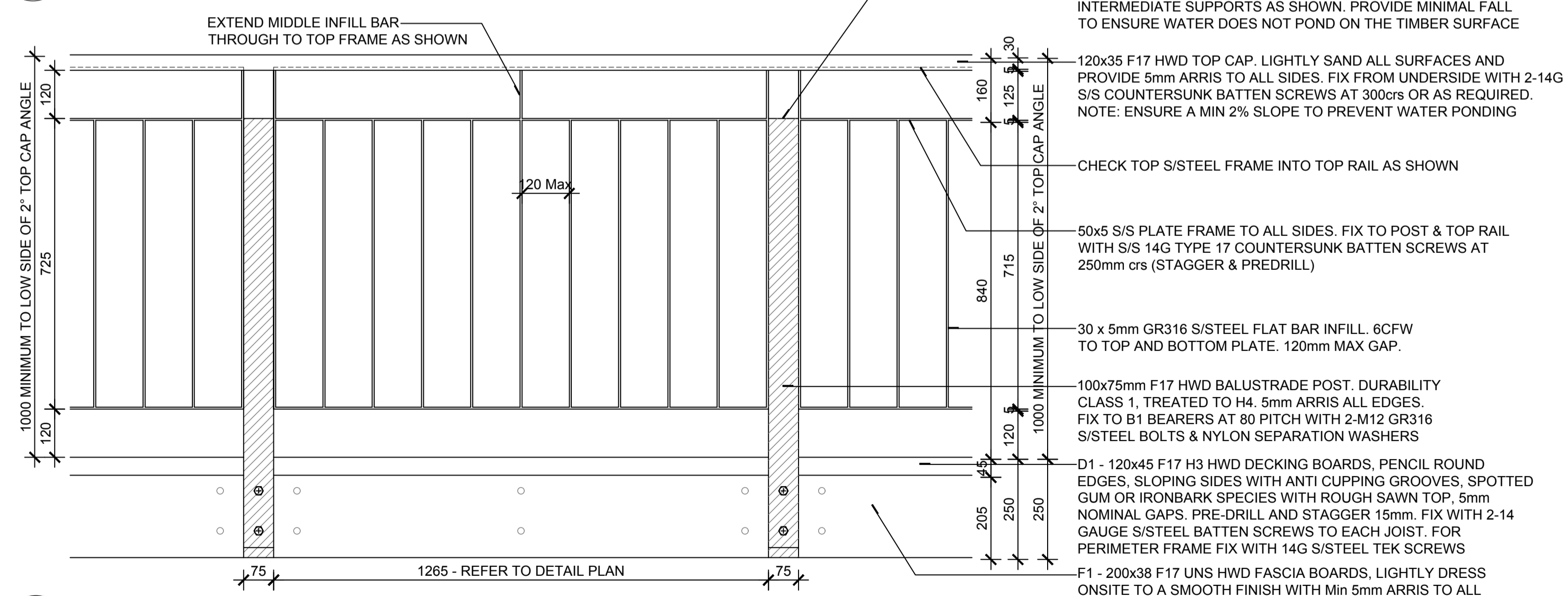
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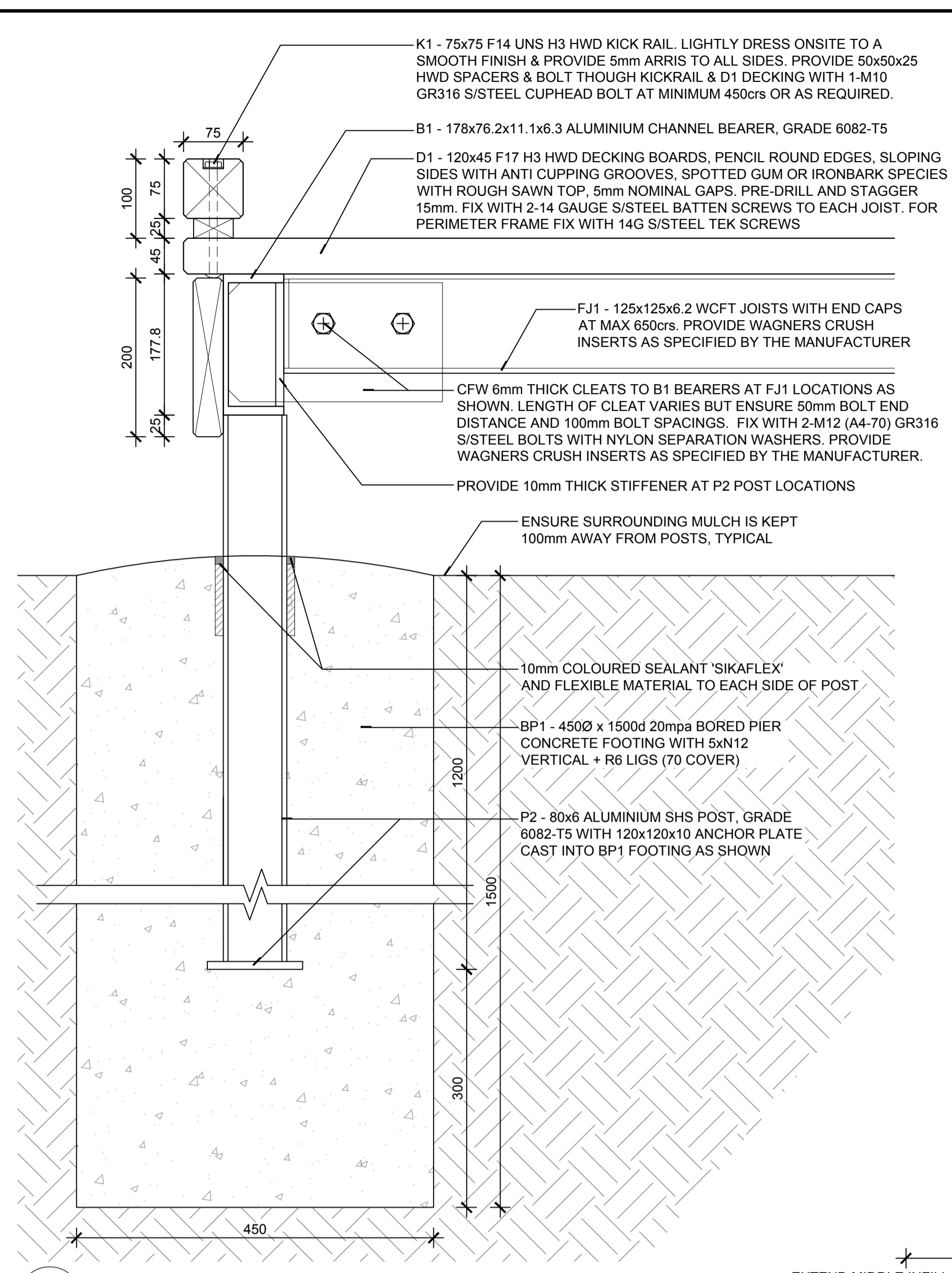
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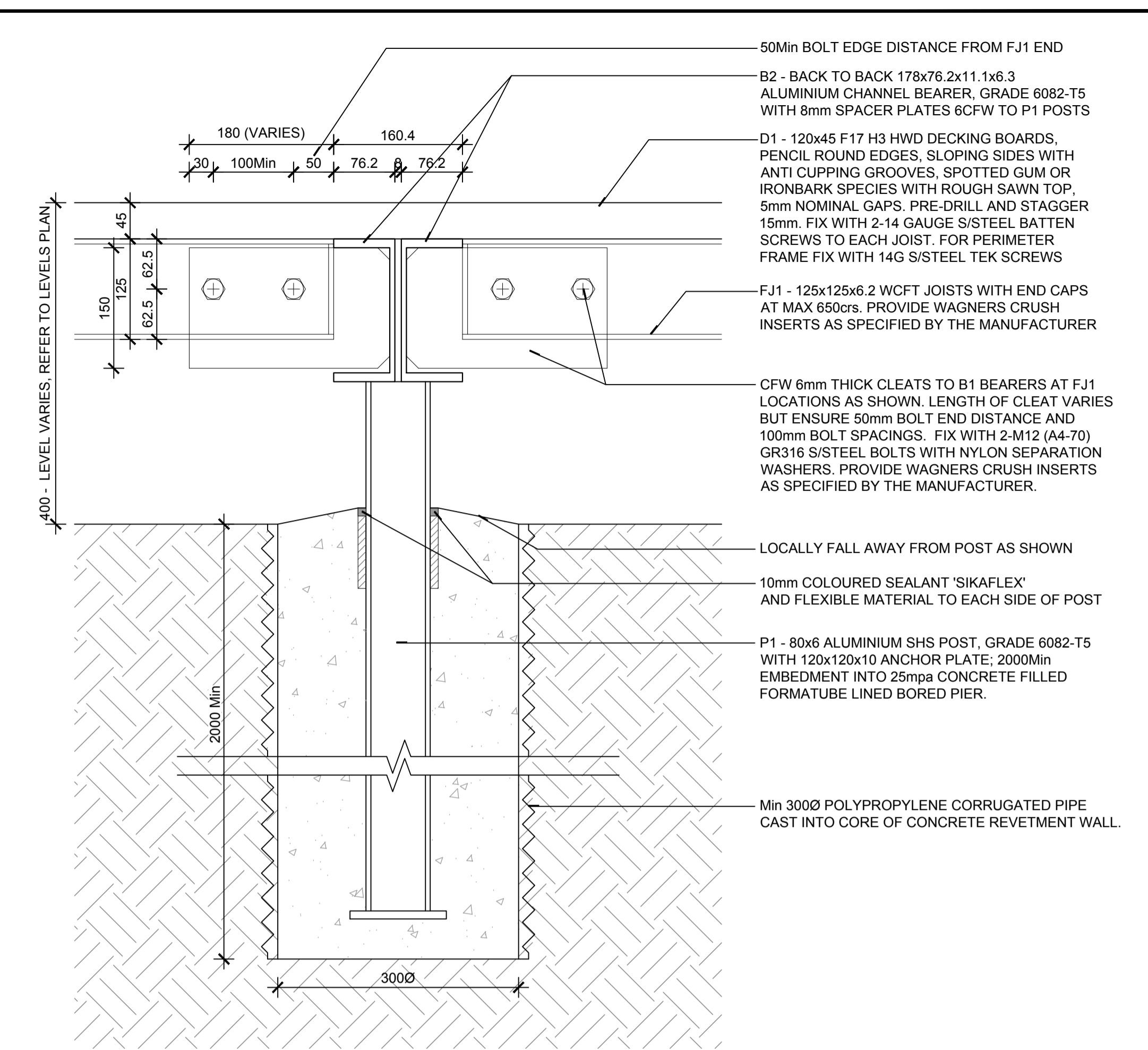
01 VIEWING DECK BALUSTRADE CONNECTION DETAIL A, TYPICAL
1:5 @A1 / 1:10@A3



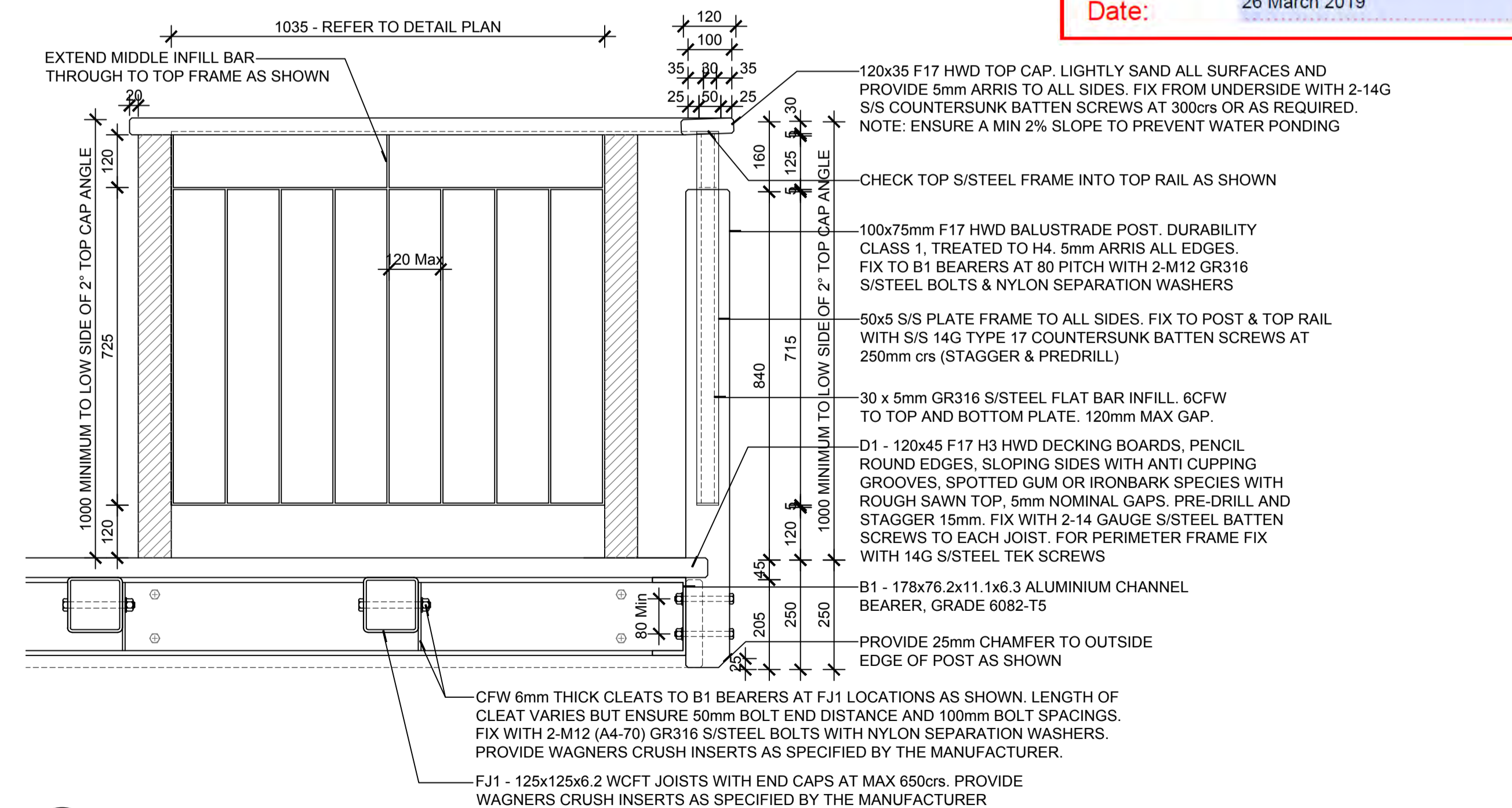
02 VIEWING DECK BALUSTRADE FRONT ELEVATION DETAIL, TYPICAL
1:10 @A1 / 1:20@A3



03 VIEWING DECK & KICKRAIL CONNECTION DETAIL, TYPICAL
1:5 @A1 / 1:10@A3



04 B2 BEARER TO P1 POST CONNECTION DETAIL, TYPICAL
1:5 @A1 / 1:10@A3



05 VIEWING DECK BALUSTRADE SIDE ELEVATION DETAIL, TYPICAL
1:10 @A1 / 1:20@A3

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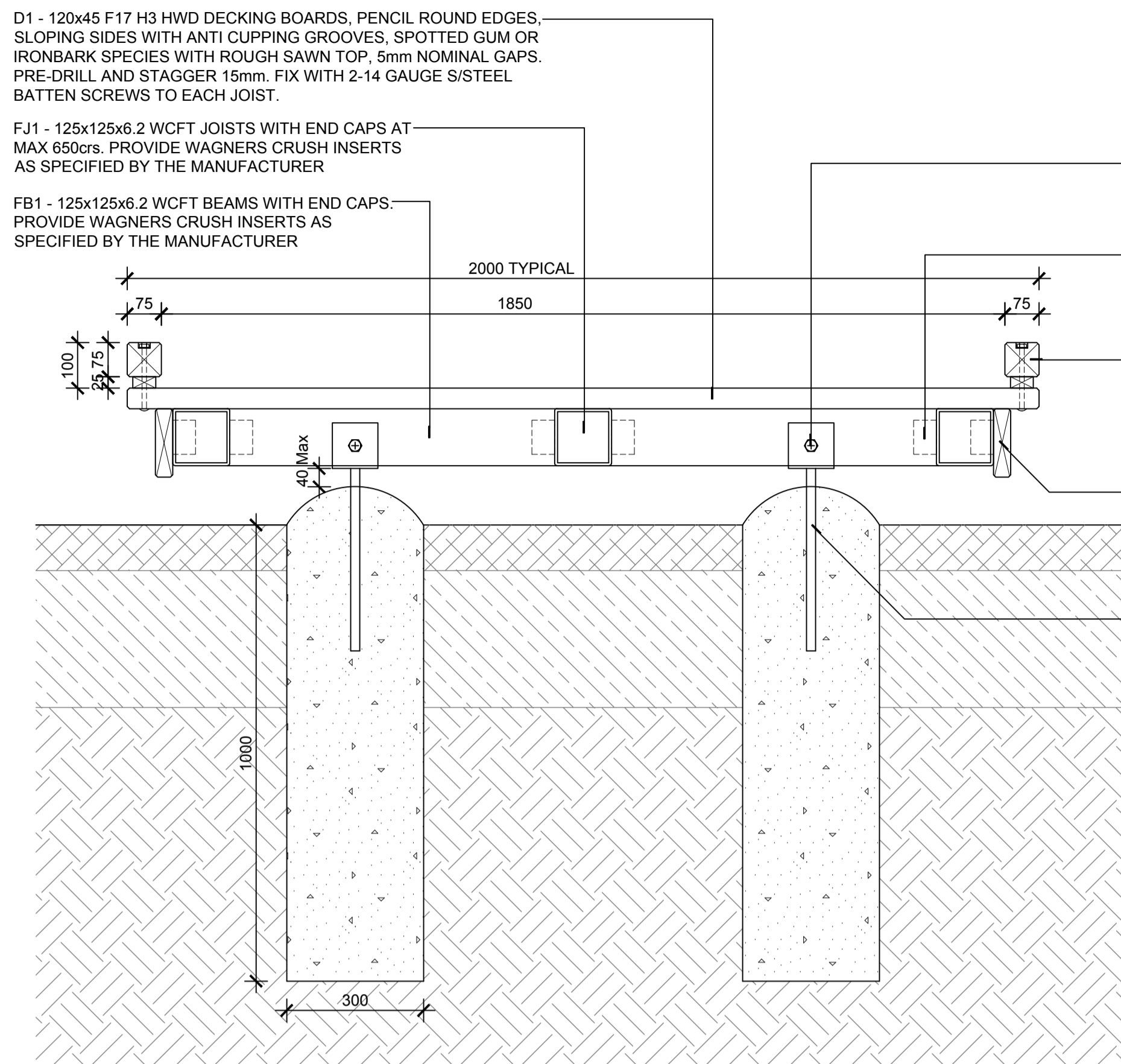


BRADMAN AVENUE, MAROOCHY RIVER FORESHORE
THOMAS STREET EAST
DESIGN AND PLACEMAKING SERVICES, LANDSCAPE CONSTRUCTION DOCUMENTATION

LANDSCAPE DETAILS

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01 P3 - BOARDWALK CROSS SECTION DETAIL, TYPICAL
1:10 @A1 / 1:20@A3

FIX FB1 TO SUPPORTING BRACKET WITH 1-M16 (A4-50) GR316 S/STEEL BOLT & NYLON SEPARATION WASHERS. PROVIDE WAGNERS CRUSH INSERTS AS SPECIFIED BY THE MANUFACTURER.

WAGNERS S/STEEL BRACKETS & RIVETS INSTALLED AS PER MANUFACTURERS SPECIFICATIONS. ENSURE 2x WAGNERS S/STEEL BRACKETS PER JOIST EACH END, TYPICAL.

K1 - 75x75 F14 UNS H3 HWD KICK RAIL. LIGHTLY DRESS ONSITE TO A SMOOTH FINISH & PROVIDE 5mm ARRIS TO ALL SIDES. PROVIDE 50x50x25 HWD SPACERS & BOLT THROUGH KICKRAIL & D1 DECKING WITH 1-M10 GR316 S/STEEL CUPHEAD BOLT AT MINIMUM 450cfs OR AS REQUIRED.

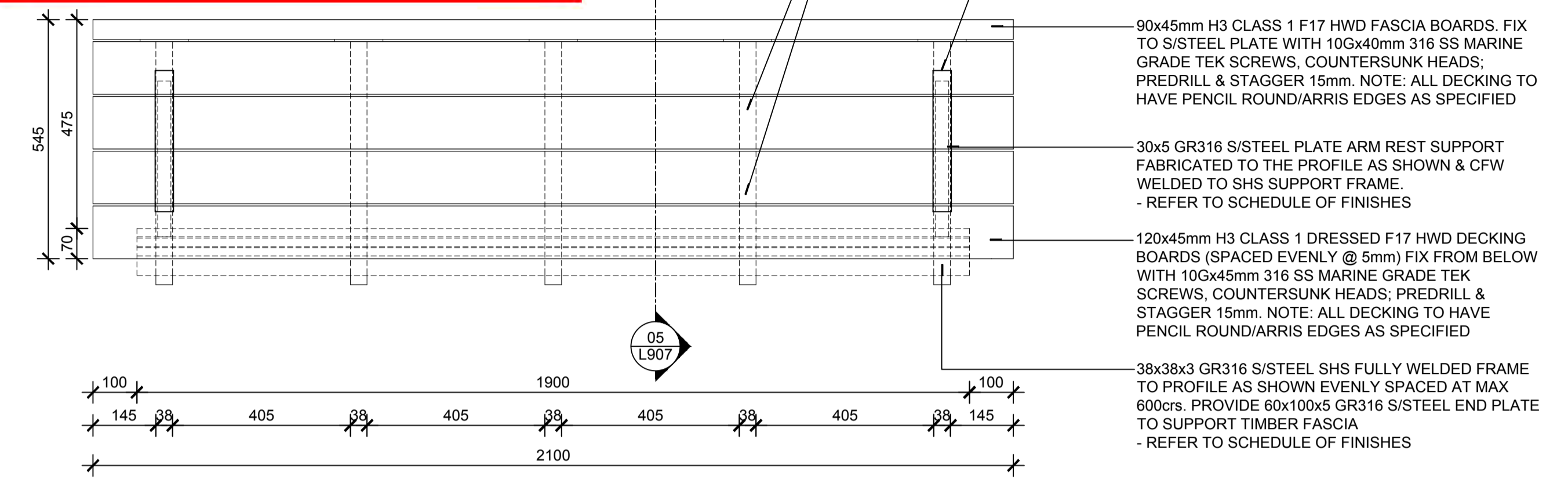
F2 - 150x38 F17 UNS H3 HWD FASCIA BOARDS. LIGHTLY DRESS ONSITE TO A SMOOTH FINISH WITH Min 5mm ARRIS TO ALL SIDES & FIX TO B1 BEARERS WITH 2-M12 GR316 S/STEEL CUPHEAD BOLTS AT MAXIMUM 450cfs OR AS REQUIRED.

6mm THICK GR316 S/STEEL 'U' BRACKET CFW TO 20Ø REBAR (400 LONG) CAST INTO BP2 - 300Ø x 1000d 20mpa BORED PIER CONCRETE FOOTING

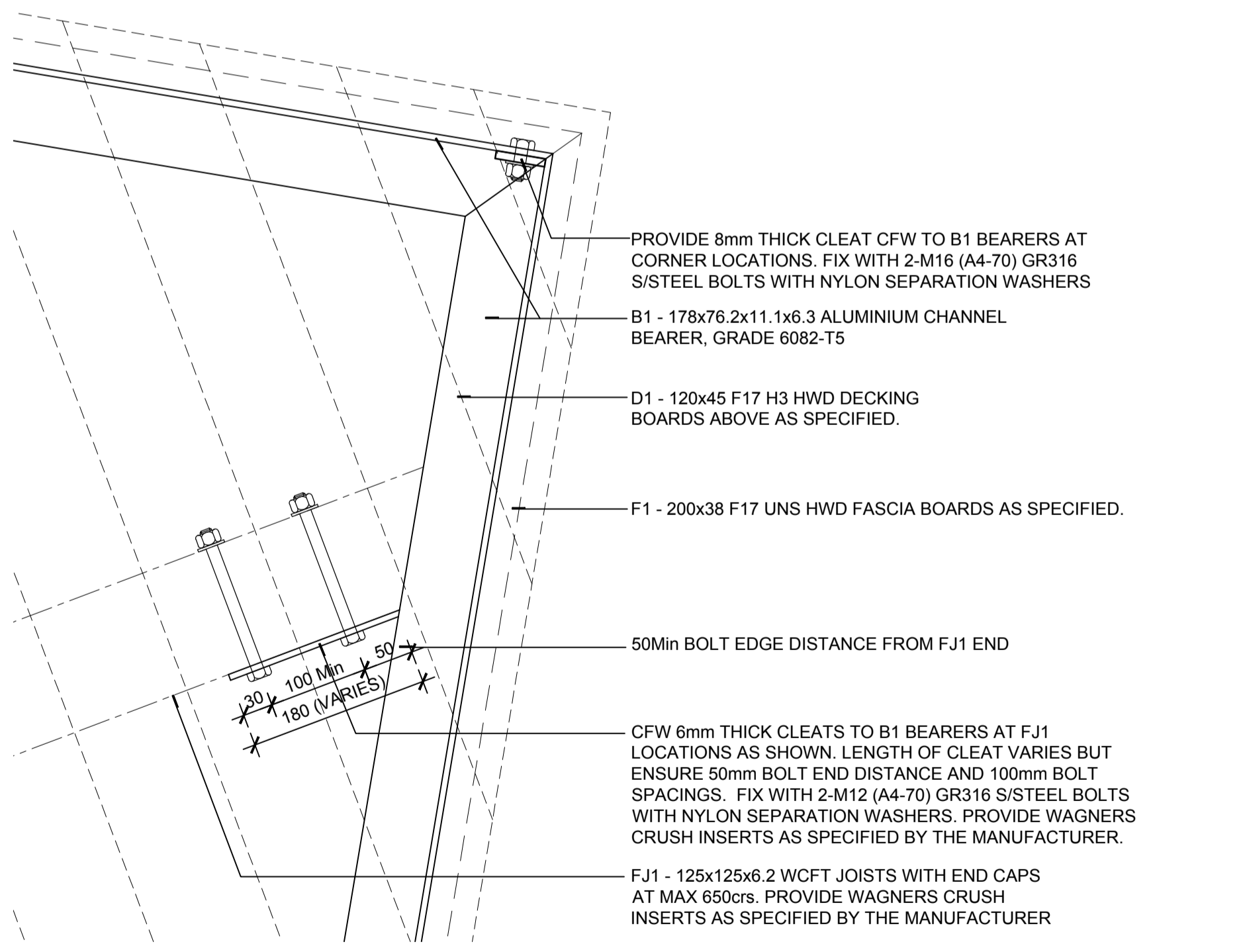
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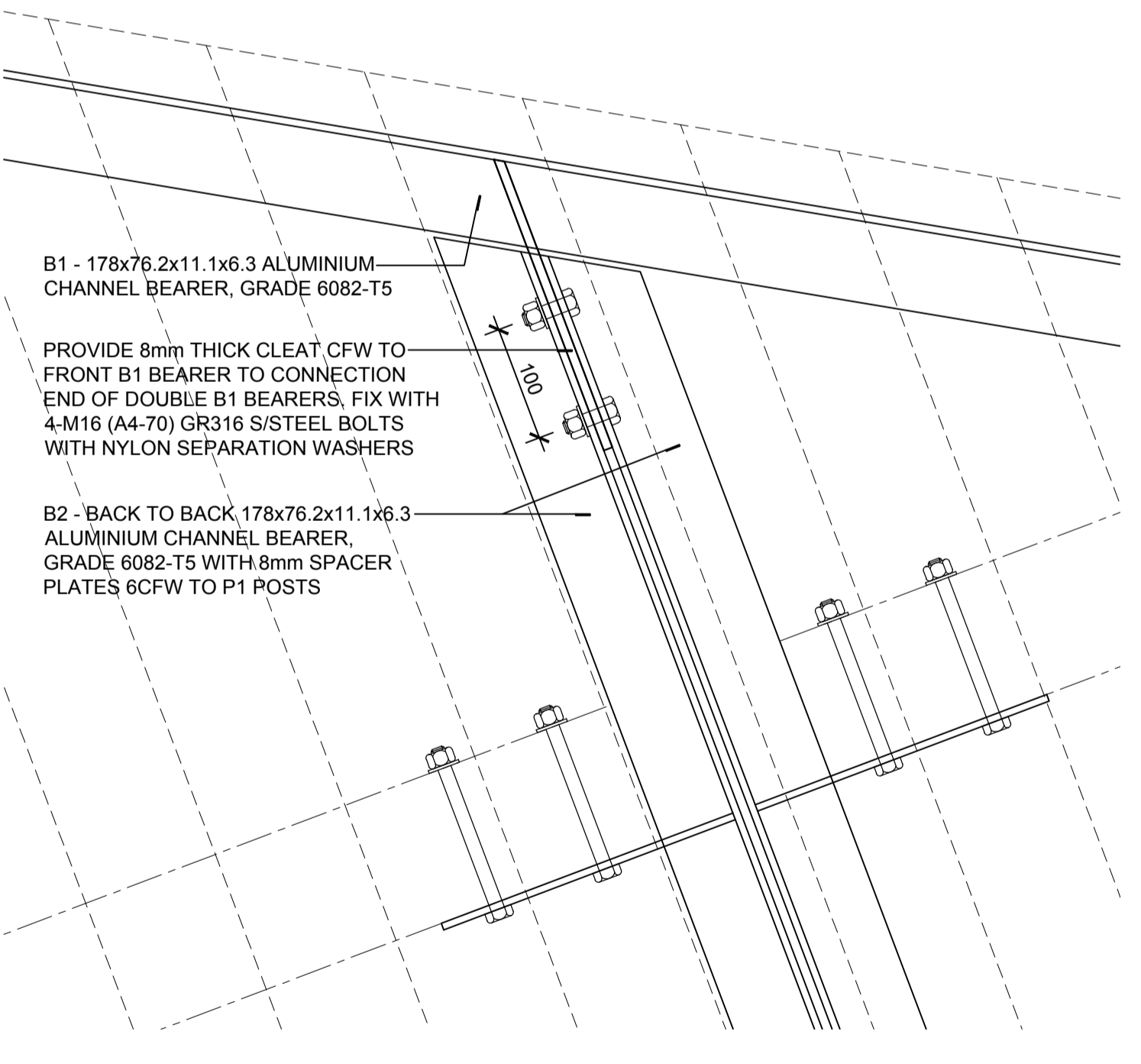
Date: 26 March 2019



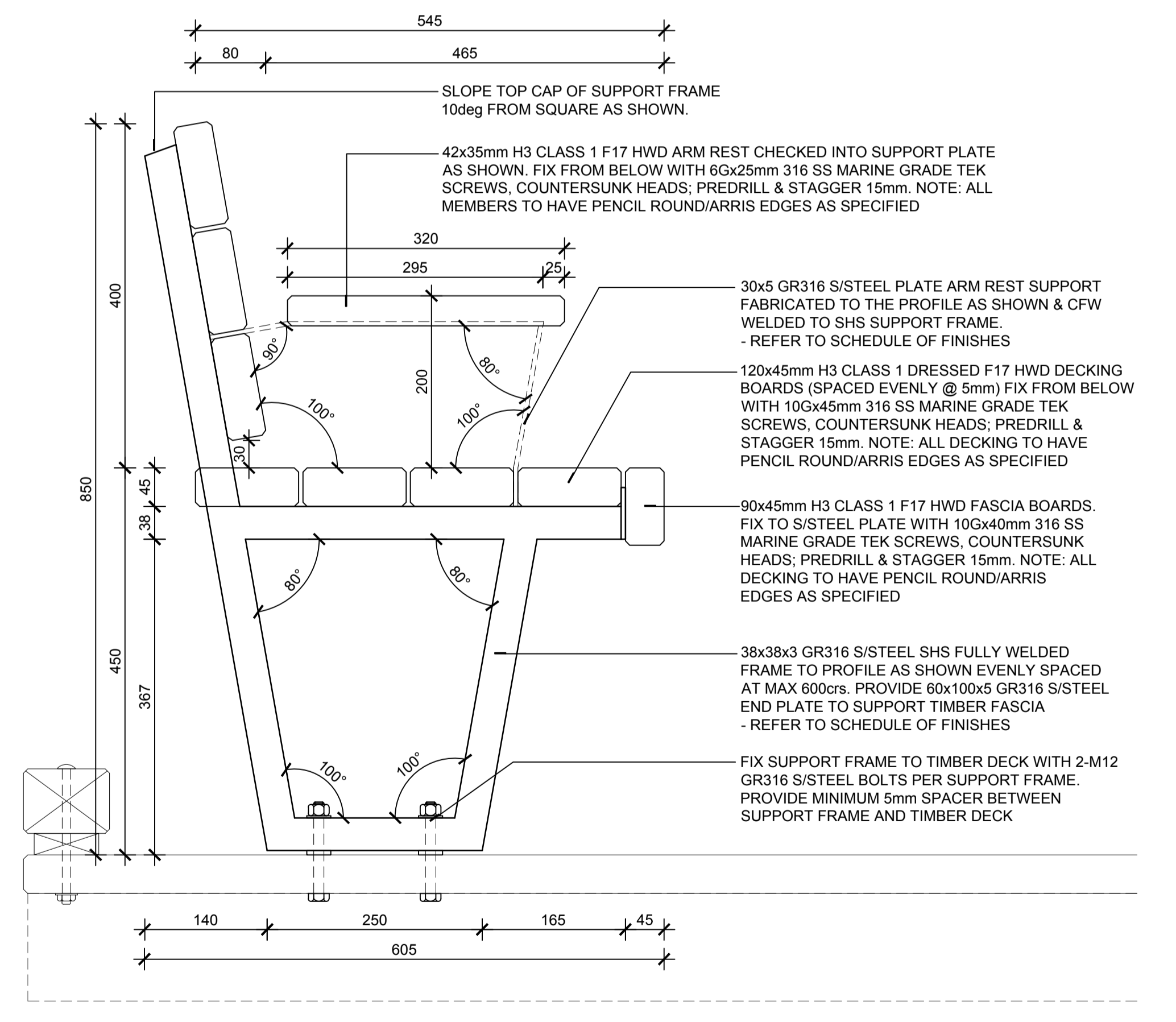
04 F4 - CUSTOM BOARDWALK SEAT DETAIL PLAN, TYPICAL
1:10 @A1 / 1:20@A3



02 B1 BEARER CONNECTION CORNER CONNECTION DETAIL
1:5 @A1 / 1:10@A3



03 B2 BACK TO BACK BEARER TO B1 BEARER CONNECTION DETAIL
1:5 @A1 / 1:10@A3



05 F4 - CUSTOM BOARDWALK SEAT CROSS SECTION, TYPICAL
1:5 @A1 / 1:10@A3

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