



This document is approved subject to the notes, advice and conditions listed in Development Consent No. DA/585/2022
Dated. 26/04/2023

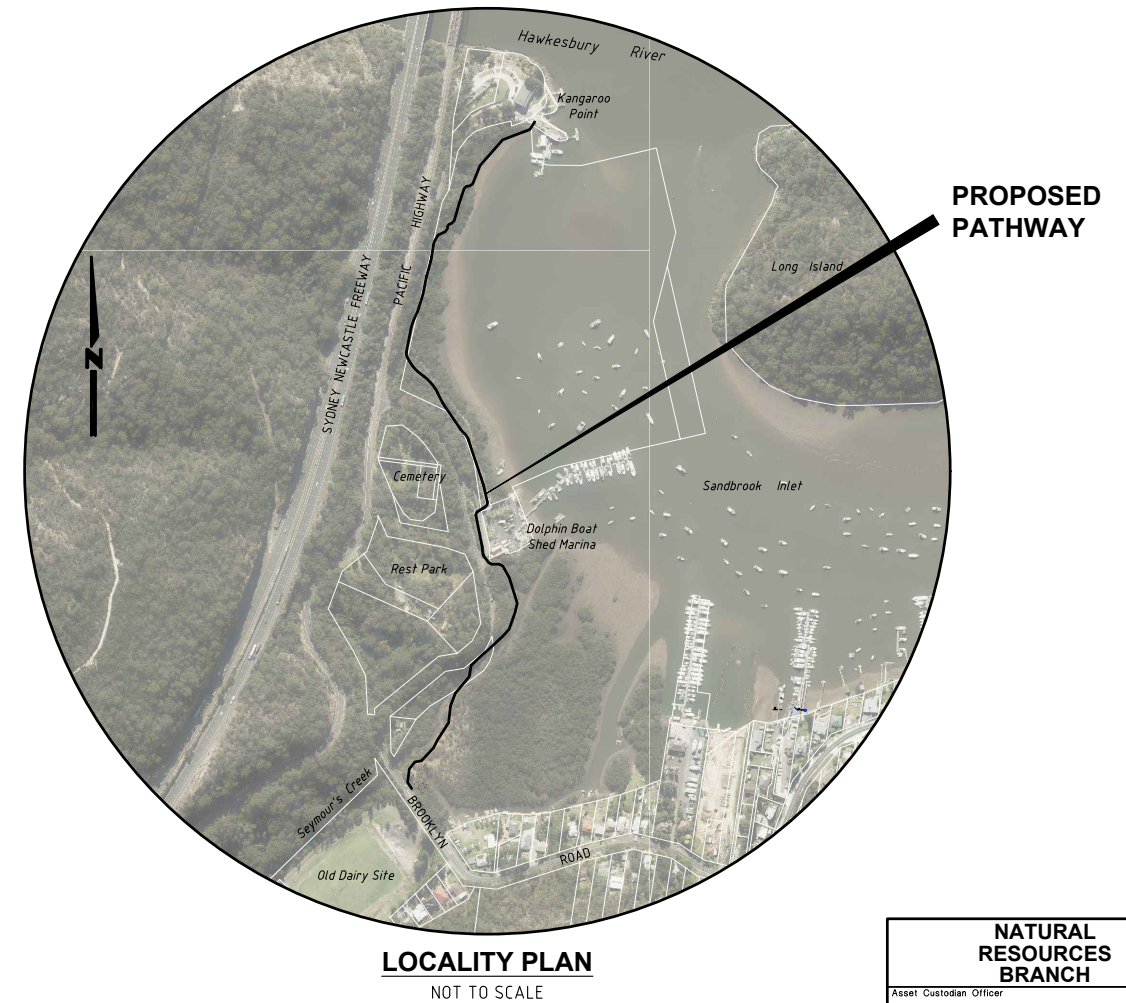
GENERAL MANAGER

BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT

LEGEND

- EXISTING KERB & GUTTER.
- EXISTING EDGE OF BITUMEN.
- EXISTING FENCE.
- EXISTING CONCRETE PATH EDGE.
- EXIST. 375mm Ø RCP. EXISTING STORMWATER PIPE.
- EXISTING POWER POLE.
- EXISTING / PROPOSED SIGN.
- EXISTING TREE.
- EXISTING TREE TO BE REMOVED.
- STN 1**
RL 100.000 SURVEY TRAVERSE STATION.
- PM 12345**
RL 123.456 PERMANENT SURVEY MARK.
- SURVEY REFERENCE MARKS - DRILL HOLE & WING/GALVANISED IRON PIPE.
- EXISTING OPTUS PIT.
- EXISTING WATER STOP VALVE.
- EXISTING FIRE HYDRANT.
- EXISTING TELSTRA PIT / CABLE MARKER.
- EXISTING U/G TELSTRA CABLES.
- EXISTING U/G OPTUS CABLES.
- EXISTING U/G SEWER MAIN.
- EXISTING OVERHEAD ELECTRICAL CABLES.
- EXISTING WATER MAIN.
- EXISTING LINE MARKING.
- PROPOSED LINE MARKING.
- DESIGN SETOUT POINT & NUMBER.
- TREE LABEL (REFER TO SHEETS Nos.28 TO 31 FOR DETAILS)
- EXTENT OF RAISED BOARDWALK (FIBRE REINFORCED PLASTIC - COLOUR TO MATCH CONCRETE PATH).
- EXTENT OF NEW FOOTPATH CONSTRUCTION. ALL PATHS N25 CONCRETE (REFER TO SHEET No.3 FOR DETAILS).

DRAWING SCHEDULE		
SHEET No.	TITLE	ISSUE
1	DRAWING SCHEDULE, LOCALITY PLAN & LEGEND.	2
2	PROJECT NOTES.	2
3	BOARDWALK & SHARED PATHWAY TYPICAL SECTIONS.	2
4	CONCRETE PATH JOINT DETAILS.	2
5	OVERALL LAYOUT PLAN.	2
6	CONTROL LINE 1 SETOUT DETAILS - SHEET 1 OF 2	2
7	CONTROL LINE 1 SETOUT DETAILS - SHEET 2 OF 2	2
8	GENERAL WORKS & SERVICES PLAN - SHEET 1 OF 8.	2
9	GENERAL WORKS & SERVICES PLAN - SHEET 2 OF 8.	2
10	GENERAL WORKS & SERVICES PLAN - SHEET 3 OF 8.	2
11	GENERAL WORKS & SERVICES PLAN - SHEET 4 OF 8.	2
12	GENERAL WORKS & SERVICES PLAN - SHEET 5 OF 8.	2
13	GENERAL WORKS & SERVICES PLAN - SHEET 6 OF 8.	2
14	GENERAL WORKS & SERVICES PLAN - SHEET 7 OF 8.	2
15	GENERAL WORKS & SERVICES PLAN - SHEET 8 OF 8.	2
16	CL1 CROSS SECTIONS - CH5.000 TO CH110.000	2
17	CL1 CROSS SECTIONS - CH120.000 TO CH230.000	2
18	CL1 CROSS SECTIONS - CH240.000 TO CH350.000	2
19	CL1 CROSS SECTIONS - CH360.000 TO CH423.484	2
20	CL1 CROSS SECTIONS - CH430.000 TO CH500.000	2
21	CL1 CROSS SECTIONS - CH508.356 TO CH575.976	2
22	CL1 CROSS SECTIONS - CH580.000 TO CH643.024	2
23	CL1 CROSS SECTIONS - CH650.000 TO CH740.000	2
24	CL1 CROSS SECTIONS - CH750.000 TO CH807.179	2
25	CL1 CROSS SECTIONS - CH810.000 TO CH900.000	2
26	CL1 CROSS SECTIONS - CH910.000 TO CH1000.000	2
27	TREE SCHEDULE - SHEET 1 OF 4	2
28	TREE SCHEDULE - SHEET 2 OF 4	2
29	TREE SCHEDULE - SHEET 3 OF 4	2
30	TREE SCHEDULE - SHEET 4 OF 4	2



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NATURAL RESOURCES BRANCH
Asset Custodian Officer Name: M. HOOD Telephone: 9847 6008 Accepted as complying with the general intent of the design brief Signed: _____ Date: _____
TRAFFIC & ROAD SAFETY BRANCH
Senior Traffic Engineer Name: R. ZARZYCKI Telephone: 9847 6844 Accepted as complying with the general intent of the design brief Signed: _____ Date: _____
ASSET MANAGEMENT & MAINTENANCE BRANCH
Senior Asset Engineer Name: A. BOYD Telephone: 9847 6672 Accepted as complying with the general intent of the design brief Signed: _____ Date: _____

Hornsby Shire Council
Design & Construction
Branch

TELEPHONE: 021 9847 6666
FACSIMILE: 021 9847 6999

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: _____ Date: _____

Designer S. COMISH	Design Checked-Design Team Leader							
Drawn S. COMISH	Drawing Checked							
Surveyor M. LAWTON	NA	NA	AHD					
Field Book	Level Book	Datum						
Project Identifier\CAD File Name	2			ISSUED FOR EIS APPROVAL	M. DRAKE			
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1			ISSUED FOR INFORMATION ONLY	M. DRAKE			
TRM Document Number	Issue	Description	Name	Initial	Date			
XXX								

Design not to be amended without authorisation by Manager Design & Construction

Bar Scales

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DO NOT SCALE. USE FIGURED DIMENSIONS ONLY



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

DRAWING SCHEDULE, LOCALITY PLAN & LEGEND

Project Number	100277	
Sheet of	1	30
Issue	2	
HSC Drawing Number	29.31	

GENERAL NOTES:

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF HORNSBY SHIRE COUNCIL.

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LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCH MARKS & NOT FROM SURVEY PEGS. PAVEMENT MANAGEMENT, LINE MARKING & SIGNAGE IN ACCORDANCE WITH THE TfNSW "TRAFFIC CONTROL AT WORK SITES" TECHNICAL MANUAL & AS1742.3 REQUIREMENTS.

4. SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED FROM SERVICE AUTHORITIES VIA A "DIAL BEFORE YOU DIG" ENQUIRY. THE LOCATION OF SERVICES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES & FIELD INVESTIGATIONS & ARE TO BE VERIFIED PRIOR TO CONSTRUCTION.

5. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE LANDCOM PUBLICATION:- "MANAGING URBAN STORMWATER, SOILS & CONSTRUCTION" Vol. 1, 4th EDITION.

6. ALL DISTURBED AREAS OF THE SITE ARE TO BE REINSTATED WITH EXISTING OR MATCHING MATERIALS UNLESS NOTED OTHERWISE AT THE COMPLETION OF THE WORKS.

7. WHERE WORKS ARE ADJACENT TO EXISTING STRUCTURES UNDERTAKE A DILAPIDATION SURVEY OF EXISTING ADJACENT STRUCTURES BEFORE COMMENCEMENT OF ANY WORKS.

8. IF SET-OUT IS REQUIRED BY HORNSBY SHIRE COUNCIL DESIGN & CONSTRUCTION BRANCH SURVEYOR. NOTIFY ENGINEERING SURVEYOR A MINIMUM OF 24 HOURS IN ADVANCE.

9. WHERE PAVEMENT RESURFACING IS UNDERTAKEN ENSURE ALL BLUE HYDRANT MARKER RRPM'S ARE REINSTATED AT THE COMPLETION OF WORKS.

10. REFER TO ARTERRA DESIGN PTY LTD ARBORIST'S REPORT DATED 18th FEBRUARY 2022 FOR DETAILED TREE LISTING & HEALTH OF EXISTING VEGETATION. TRIM DOCUMENT # DXXXXX.

11. ALL EXCAVATION WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE ACID SULPHATE MANAGEMENT PLAN (ASSMP) FOR THIS PROJECT.

ACCESS & SAFETY NOTES:

1. THE CONSTRUCTOR SHALL COMPLY WITH ALL STATUTORY & INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL.

2. THE CONSTRUCTOR SHALL PROVIDE TRAFFIC MANAGEMENT PLANS FOR THE PROPOSED WORKS COMPLETED BY A SUITABLY QUALIFIED PERSON & APPROVED BY COUNCIL/REGULATORY AUTHORITY. WORK IS NOT TO COMMENCE ON SITE PRIOR TO APPROVAL OF TRAFFIC MANAGEMENT SCHEME.

3. THE CONSTRUCTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO BUILDINGS/RESIDENCES ADJACENT TO THE WORKS IS NOT DISRUPTED.

4. WHERE NECESSARY THE CONSTRUCTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE SITE.

5. THE CONSTRUCTOR SHALL ENSURE PUBLIC ACCESS EXTERNAL TO THE SITE IS IN ACCORDANCE WITH COUNCIL REQUIREMENTS.

LINE MARKING NOTES

1. SIGNS & LINE MARKING TO BE INSTALLED IN ACCORDANCE WITH AS1742.9 -MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PART 9 BICYCLE FACILITIES, PART 2 TRAFFIC CONTROL DEVICES FOR GENERAL USE & THE REQUIREMENTS OF THE RTA NSW BICYCLE GUIDELINES MANUAL.

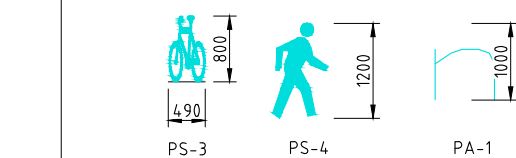
2. WHERE POSSIBLE EXISTING SIGNAGE IS TO BE CLEANED / RELOCATED OR REUSED TO SUIT NEW WORK.

3. TEMPORARY 'CHANGED TRAFFIC CONDITIONS AHEAD' (T1-23) SIGNS TO BE INSTALLED ON ALL APPROACHES 100m FROM LIMIT OF WORKS (TYPICAL) AT THE COMMENCEMENT OF WORKS & UNTIL 6 MONTHS AFTER COMPLETION.

4. ALL NEW LINE MARKING TO WHITE THERMOPLASTIC PAINT UNLESS NOTED OTHERWISE.

5. REMOVE REDUNDANT LINE MARKING.

6. LINE MARKING SHALL BE SPOTTED OUT & APPROVED PRIOR TO APPLICATION.



TREE PROTECTION MEASURES:

1. ALL WORKS WITHIN THE NOMINAL TREE ROOT ZONE OF ANY TREE/S TO BE RETAINED SHOULD NOT REDUCE THE USEFUL LIFE EXPECTANCY OF THE TREE/S & BE CARRIED OUT UNDER THE SUPERVISION OF AN 'AQF LEVEL 5 ARBORIST'.

TREE PROTECTION ZONES (TPZ)

TREE SIZE	TPZ RADIUS
TREES WITH A DIAMETER AT BREAST HEIGHT GREATER THAN 800mm	10m
TREES WITH A DIAMETER AT BREAST HEIGHT BETWEEN 400mm & 800mm	8m
TREES WITH A DIAMETER AT BREAST HEIGHT LESS THAN 400mm	4m

SOIL LEVELS WITHIN THE TREE ROOT ZONE OF TREES TO BE RETAINED SHOULD REMAIN AT EXISTING GRADE & UNDISTURBED

EXCAVATION WITHIN THE TREE ROOT ZONE OF TREES TO BE RETAINED SHOULD BE CARRIED OUT BY HAND EXCAVATION ONLY. HAND EXCAVATION SHOULD BE CARRIED OUT UNDER THE SUPERVISION OF A QUALIFIED ARBORIST IN SUCH A MANNER THAT IS NON-INJURIOUS TO ANY ROOTS REVEALED.

NO TREE ROOT GREATER THAN 40mm DIAMETER LOCATED WITHIN THE TPZ OF ANY TREE TO BE RETAINED SHOULD BE SEVERED OR INJURED IN THE PROCESS OF ANY WORKS.

TREE ROOTS LESS THAN <40mm IN DIAMETER REQUIRED TO BE SEVERED SHALL BE CUT CLEANLY BY HAND BY A QUALIFIED & EXPERIENCED ARBORIST OR HORTICULTURIST WITH MINIMUM QUALIFICATIONS OF HORTICULTURAL CERTIFICATE OR TREE SURGERY CERTIFICATE (AQF 3).

2. ALL PRUNING SHALL BE UNDERTAKEN AS SPECIFIED IN THE AUSTRALIAN STANDARD 'PRUNING OF AMENITY TREES' (AS 4373-2009).

3. THE FILLING OR STOCKPILING OF BUILDING MATERIALS, PARKING OF VEHICLES OR PLANT, THE USE OF MACHINERY OTHER THAN HAND HELD, DISPOSAL OF CEMENT SLURRY, WASTE WATER OR OTHER CONTAINMENTS MUST REMAIN OUTSIDE THE TREE PROTECTION ZONE OF ANY TREE TO BE RETAINED.

4. ANY MECHANICAL DAMAGE TO TREES OR CHEMICAL SPILLS WITHIN THE TPZ MUST BE REPORTED TO THE PROJECT SUPERVISOR/MANAGER.

5. BARRIER MESH FENCING SHALL BE ERECTED AROUND RETAINED TREES WHERE PRACTICABLE TO ENSURE THEY ARE PROTECTED FROM MACHINERY MISTAKENLY TRAVERSING BETWEEN TREES, THIS CAN BE IDENTIFIED/ DIRECTED BY PROJECT ARBORIST.

ENVIRONMENTAL NOTES:

1. VEGETATION ALONG THE ROUTE HAS BEEN MAPPED AS INCLUDING PEPPERMINT-ANGOPHORA WOODLAND, MANGROVES & COASTAL SALTMARSH. MANGROVES ARE PROTECTED UNDER THE STATE ENVIRONMENTAL PLANNING POLICY (RESILIENCE & HAZARDS) 2021 & COASTAL SALTMARSH IS PROTECTED UNDER THE BIODIVERSITY CONSERVATION ACT 2016. CERTAIN APPROVALS & PERMITS ARE REQUIRED TO WORK WITHIN, & IMPACT ON, THESE VEGETATION COMMUNITIES.

SEDIMENT & EROSION CONTROL NOTES:

1. NO WORK SHALL BE UNDERTAKEN UNTIL ALL SEDIMENT & EROSION CONTROL MEASURES ARE IN PLACE & HAVE BEEN APPROVED BY THE CONSTRUCTION ENGINEER.

2. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED BY THE SITE SUPERVISOR ON A DAILY BASIS & SIGNED OFF ON THE BACK OF THE DAY SHEET. A CHECKLIST SHALL BE HANDED OVER TO THE PROJECT MANAGER AT THE END OF EACH DAY. STRUCTURES WILL ALSO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE & ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED SOIL STOCKPILE SITE. THE CONSTRUCTION ENGINEER MUST INFORM ALL CONTRACTORS & SUB-CONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION CONTROL PLAN.

3. SELECTIVE CLEARING OF VEGETATION TO BE RESTRICTED TO NOMINATED AREAS WITH CLEARED VEGETATION WINDROWED ON THE CONTOUR.

4. TREES NEAR THE CONSTRUCTION ZONE NOT OTHERWISE PROTECTED BY FENCING SHALL BE PROTECTED IN ACCORDANCE WITH AS4970 SECTION 4.5. ALTERNATIVE PROTECTION MEASURES SATISFYING THE PROJECTS ARBORIST'S REQUIREMENTS IS ACCEPTABLE. TRUNK PROTECTION SHOULD BE MAINTAINED INTACT UNTIL THE COMPLETION OF ALL WORK ON THE SITE. ALL TREES REQUIRING REMOVAL ARE SHOWN ON THIS PLAN & SHALL BE MARKED ACCORDINGLY PRIOR TO REMOVAL.

5. TOPSOIL FROM AREAS THAT WILL BE DISTURBED TO BE STRIPPED & STOCKPILED AT THE NOMINATED SITE.
6. A MINIMUM STOCK OF THE FOLLOWING SHALL BE KEPT ON SITE AT ALL TIMES:
(A) 50m ROLL OF SEDIMENT FENCE & PEGS.
(B) 50m ROLL OF BIDIM GEOTEXTILE.

7. ANY DISTURBED AREA OF LAND SHALL BE COMPACTED AT THE END OF EACH WORKING DAY & BEFORE ANY STORM EVENT.

8. CONSTRUCTION AREA IS TO BE LIMITED AS SHOWN TO MINIMISE DISTURBANCE.

9. SEDIMENT FENCING SHALL BE PLACED AROUND ANY STOCKPILE AREA.

10. ALL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE LANDCOM PUBLICATION:- "MANAGING URBAN STORMWATER, SOILS & CONSTRUCTION" Vol. 1, 4th EDITION.

11. ALL DISTURBED AREAS SHALL BE APPROPRIATELY STABILISED WITHIN 14 DAYS OF FINAL TRIMMING.

CONCRETE NOTES

(USING STEEL REINFORCED CONCRETE U.N.O.)

- MATERIALS AND CONSTRUCTION: TO AS 3600, AS 3610. STEEL REINFORCEMENT MATERIALS: TO AS 4671.
- CONCRETE QUALITY: TO AS 1379
READY MIX CONCRETE: TO AS 1379
a) DO NOT USE ADMIXTURES WITHOUT WRITTEN APPROVAL FROM SUPERVISING ENGINEER.
b) CEMENT: TYPE 'GP' OR 'GB' TO AS 3972.
c) MAXIMUM SIZE OF COARSE AGGREGATE: 20mm.
d) CONCRETE SLUMP: 80mm U.N.O.

ELEMENT	CHARACTERISTIC CONCRETE STRENGTH(f'c) AT 28 DAYS	COVER	SPECIAL REQUIREMENTS
CYCLEPATH	N25 (U.N.O.)	AS DETAILED	BROOM FINISH & COLOURED WITH BORAL "INDIAN INK" COLOUR OR EQUIVALENT TO FULL DEPTH.

- VERIFY STRENGTH BY PRODUCTION CONTROL TESTING TO AS 1379.
- NO UNSPECIFIED HOLES, DUCTING OR CHASES ARE PERMITTED WITHOUT WRITTEN APPROVAL FROM SUPERINTENDENT (SUPERVISING OFFICER). NO PIPES OR CONDUITS ARE PERMITTED WITHIN CONCRETE COVER.
- STRUCTURAL DIMENSIONS DO NOT INCLUDE TOPPING OR FINISHES.
- FORM CONSTRUCTION JOINTS ONLY AT LOCATIONS SHOWN ON DRAWINGS. DO NOT VARY WITHOUT WRITTEN APPROVAL FROM SUPERVISING ENGINEER.
- PREPARE COLD JOINTS BY LIGHT SCABBLING, REMOVAL OF DEBRIS & WASHING WITH CLEAN WATER.
- FOUNDATION MATERIALS MUST BE CAPABLE OF WITHSTANDING A SAFE BEARING PRESSURE OF 100kPa. VERIFY & RECORD THE BEARING CAPACITY BEFORE ANY CONCRETE IS PLACED.
- DO NOT PLACE CONCRETE UNTIL REINFORCEMENT (IF USED) & FORMWORK ARE INSPECTED BY SUPERVISING ENGINEER.
- THOROUGHLY CLEAN OUT ALL FORMWORK PRIOR TO POURING.

- DO NOT PLACE CONCRETE UNDER THE FOLLOWING CONDITIONS:
a) WHEN THE SURROUNDING OUTDOOR TEMPERATURE EXCEEDS 30°C.
b) WHEN THE SURROUNDING WIND SPEED EXCEEDS 12 KNOTS.

- IMPLEMENT THE FOLLOWING PROCEDURES TO MITIGATE PREMATURE DRYING & CRACKING OF THE CONCRETE:
a) IN HOT CONDITIONS, PROGRAM CONCRETE PLACEMENT FOR THE COOLER PART OF THE DAY (ie. EARLY MORNING).
b) SPRAY EVAPORATIVE RETARDERS WITH FUGATIVE DYES (eg. ALIPHATIC ALCOHOL) OVER THE SURFACE IMMEDIATELY AFTER SCREEDING & WHILST BLEED WATER IS STILL PRESENT. REAPPLY IF THE SURFACE IS DISTURBED.
c) COMMENCE CURING IMMEDIATELY AFTER FINISHING. CURE FOR 7 DAYS.

- VIBRATE CONCRETE DURING PLACEMENT TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION.
- SURFACE FINISH - REFER TO DRAWINGS FOR DETAILS.
- COMMENCE CURING OF ALL CONCRETE SURFACES IMMEDIATELY ON FINISHING & CONTINUE FOR 7 DAYS MIN.
- EXPANSION JOINTS & ISOLATION JOINTS ARE TO BE SEALED TO MANUFACTURER'S SPECIFICATIONS WITH A GUN GRADE POLYURETHANE LOW MODULUS SELF PRIMING SEALANT EQUAL TO 'TREMCO DYMONIC NT' (+100%, -50% MOVEMENT CAPACITY). SEALANT COLOUR GREY OR EQUIVALENT.

SEDIMENTATION FENCING NOTES:

- SEDIMENT FENCE TO BE CONSTRUCTED BY STRETCHING A FILTER FABRIC APPROVED BY THE PROJECT MANAGER BETWEEN POSTS AT 3.0m CENTRES. FABRIC TO BE BURIED A MINIMUM OF 150mm ALONG IT'S LOWER EDGE EXCEPT WHEN IN TPZ'S.
- SEDIMENT FENCE IS TO BE INSTALLED & APPROVED BY THE PROJECT MANAGER BEFORE OVERBURDEN IS REMOVED. THIS FENCE MAY REQUIRE REPLACEMENT AT TIMES IF LOCATED WITHIN OR NEARBY CONSTRUCTION ZONES.
- CLEAN BEHIND FENCE AFTER EACH MAJOR STORM OR OTHERWISE AS DIRECTED & REMOVE ALL SILT FROM THE SITE. SITE DISPOSAL WILL ONLY BE APPROVED WHERE IT CAN BE ESTABLISHED THAT NO FURTHER EROSION OF THE MATERIAL CAN OCCUR.

ABORIGINAL ARTEFACT NOTES:

- AN AHIMS WEB SEARCH HAS BEEN UNDERTAKEN FOR THIS PROJECT (REF: 650724 & 650726). ALTHOUGH NO ARTEFACTS HAVE BEEN IDENTIFIED IN THIS SEARCH SHOULD ANY POTENTIAL ARTEFACTS BE UNCOVERED THEY ARE NOT TO BE REMOVED FROM THE SITE & SHALL BE IMMEDIATELY REPORTED TO COUNCIL'S PROJECT MANAGER.

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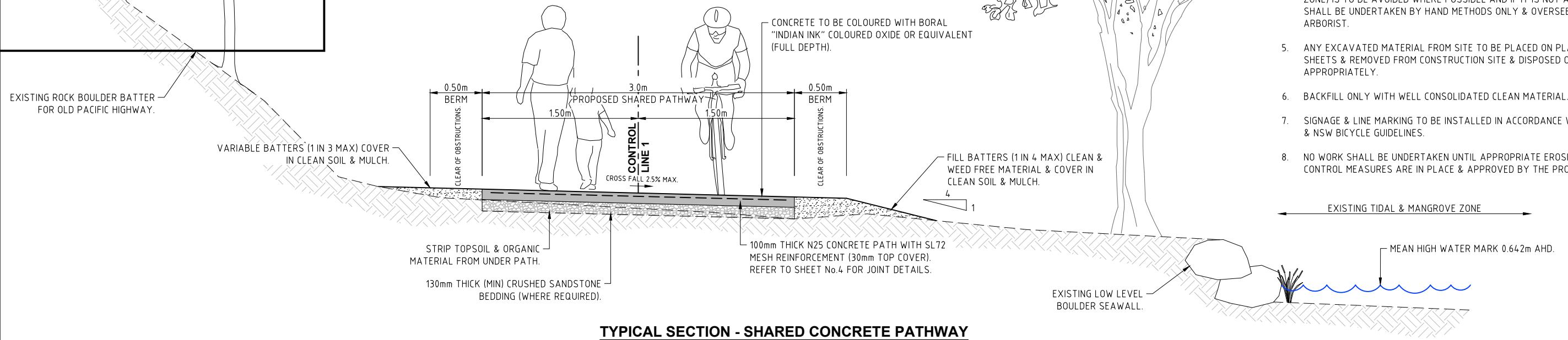
Hornsby Shire Council Design & Construction Branch TELEPHONE: 021 9847 6666 FACSIMILE: 021 9847 6999 Authorised for release - Manager Design & Construction Name: R. RAJCA Signed: Date:	Designer S. COMISH Signed:	Design Checked-Design Team Leader			Bar Scales NOT TO SCALE	HORNSBY SHIRE COUNCIL PO BOX 37, HORNSBY NSW 1630	BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT PROJECT NOTES	Project Number 100277		
	Drawn S. COMISH Signed:							Sheet of 2 30	Issue 2	
	Surveyor M. LAWTON	NA Field Book	NA Level Book	AHD Datum						
	Project Identifier\VCAD File Name H:\Brooklyn Rd Bwalk_TR_120121\Design\Concept Design 2021.dwg		2 ISSUED FOR EIS APPROVAL M. DRAKE	1 ISSUED FOR INFORMATION ONLY M. DRAKE						HSC Drawing Number 29.31
TRIM Document Number XXX		Issue Description Name Initial Date	Design not to be amended without authorisation by Manager Design & Construction			DO NOT SCALE, USE FIGURED DIMENSIONS ONLY				

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GENERAL MANAGER

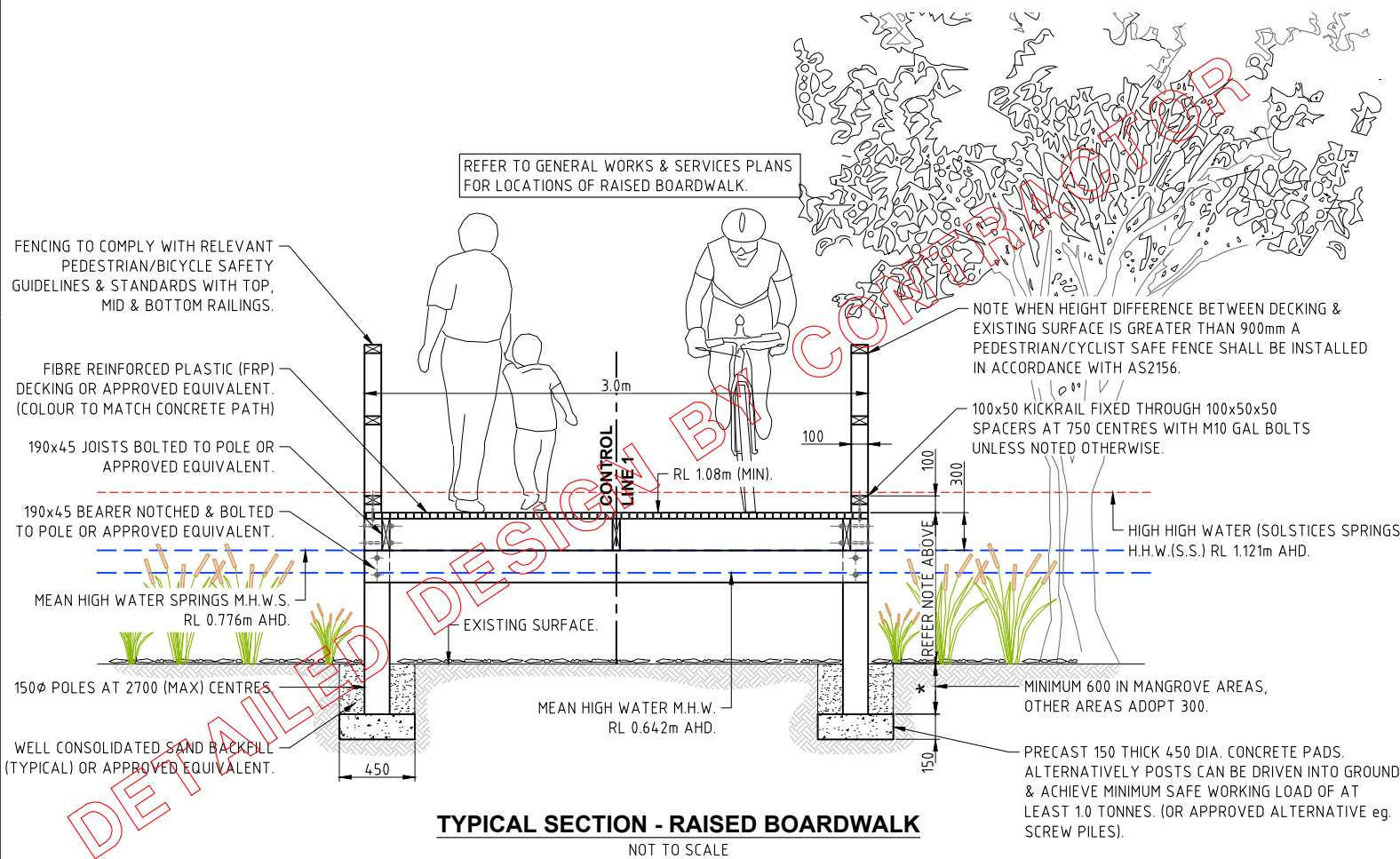
GENERAL CONCRETE PATHWAY NOTES:

1. ALL MATERIALS & CONSTRUCTION TO BE IN ACCORDANCE WITH AS3600, AS3610 & AS4671.
2. ALL CONCRETE QUALITY TO AS1379.
3. CONCRETE TO BE INTEGRALLY COLOURED WITH CONCRETE COLOURED SYSTEMS PRODUCTS OR EQUIVALENT. (COLOUR TO MATCH KANGAROO POINT WORKS).
4. ALL SIGNIFICANT GROUND WORKS WITHIN THE SRZ (STRUCTURAL ROOT ZONE) IS TO BE AVOIDED WHERE POSSIBLE AND IF IT IS NOT AVOIDABLE IT SHALL BE UNDERTAKEN BY HAND METHODS ONLY & OVERSEEN BY AN AQFS ARBORIST.
5. ANY EXCAVATED MATERIAL FROM SITE TO BE PLACED ON PLASTIC GROUND SHEETS & REMOVED FROM CONSTRUCTION SITE & DISPOSED OF APPROPRIATELY.
6. BACKFILL ONLY WITH WELL CONSOLIDATED CLEAN MATERIAL.
7. SIGNAGE & LINE MARKING TO BE INSTALLED IN ACCORDANCE WITH AS1742.9 & NSW BICYCLE GUIDELINES.
8. NO WORK SHALL BE UNDERTAKEN UNTIL APPROPRIATE EROSION & SEDIMENT CONTROL MEASURES ARE IN PLACE & APPROVED BY THE PROJECT MANAGER.



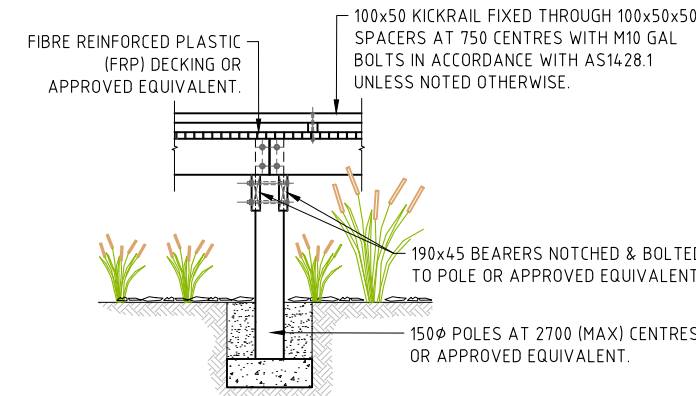
TYPICAL SECTION - SHARED CONCRETE PATHWAY

NOT TO SCALE



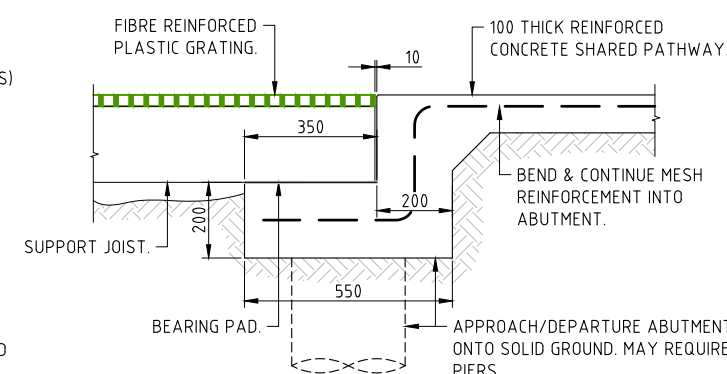
TYPICAL SECTION - RAISED BOARDWALK

NOT TO SCALE



ELEVATION OF RAISED BOARDWALK

NOT TO SCALE



DECKING ABUTMENT DETAIL (UNFIXED)

NOT TO SCALE

GENERAL BOARDWALK NOTES:

1. MATERIALS & DIMENSIONS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY & ARE SUBJECT TO DETAILED STRUCTURAL DESIGN. DETAILS SHOWN HERE ARE A GUIDE ONLY. CONTRACTOR TO PROVIDE SUITABLE DETAILED DESIGN FOR APPROVAL PRIOR TO CONSTRUCTION.
2. WHERE FENCING IS TO BE PROVIDED FOR RAISED SECTIONS IT MUST COMPLY WITH RELEVANT GUIDELINES & STANDARDS.
3. REFER TO SHEET No.2 FOR TREE PROTECTION MEASURES.
4. PROPOSED DECK & FOOTINGS ARE TO BE POSITIONED CLEAR OF ADJACENT TREE ROOTS, TREE TRUNKS & UTILITY SERVICES (CONTRACTOR IS REQUIRED TO PROPOSE MOST SUITABLE FOOTING SOLUTION FOR THIS SITUATION PRIOR TO CONSTRUCTION).
5. DESIGN MUST INCLUDE SOME FLEXIBILITY IN FOOTING AND/OR PIER LOCATIONS SHOULD SIGNIFICANT TREE ROOTS BE ENCOUNTERED.
6. A CONSTRUCTION METHODOLOGY FOR INSTALLING THE BEARING SOLUTION (I.E. FOOTINGS, PIERS ETC.) PARTICULARLY AROUND STRUCTURAL ROOT ZONES (SRZ) SHALL BE PROVIDED AT LEAST TWO (2) WEEKS PRIOR TO CONSTRUCTION.
7. DRILLING OF HOLES FOR POSTS & CONCRETE FOOTINGS TO BE UNDERTAKEN DURING LOW TIDE TO MINIMISE DISTURBANCE OF EXISTING EARTH.
8. CONCRETE FOOTINGS TO BE PRECAST & NOT POURED INTO HOLES.
9. SPILL MATERIAL FROM FOOTING HOLES TO BE PLACED ON PLASTIC GROUND SHEETS & REMOVED FROM CONSTRUCTION SITE & DISPOSED OF APPROPRIATELY.
10. ALL EXCAVATION WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THE ACID SULPHATE MANAGEMENT PLAN (ASSMP) FOR THIS PROJECT.

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**Hornsby Shire Council
Design & Construction
Branch**

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Signed:		
Surveyor M. LAWTON	NA Field Book	NA Level Book	AHD Datum
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1	ISSUED FOR INFORMATION ONLY	
TRIM Document Number	XXX	Issue	Description
Authorised for release - Manager Design & Construction	Name: R. RAJCA	Signed:	Date:

Bar Scales
0 2 4 6 8 10m
SCALE 1:200
@ A1
DO NOT SCALE. USE FIGURED DIMENSIONS ONLY



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

BOARDWALK & SHARED PATHWAY TYPICAL SECTIONS

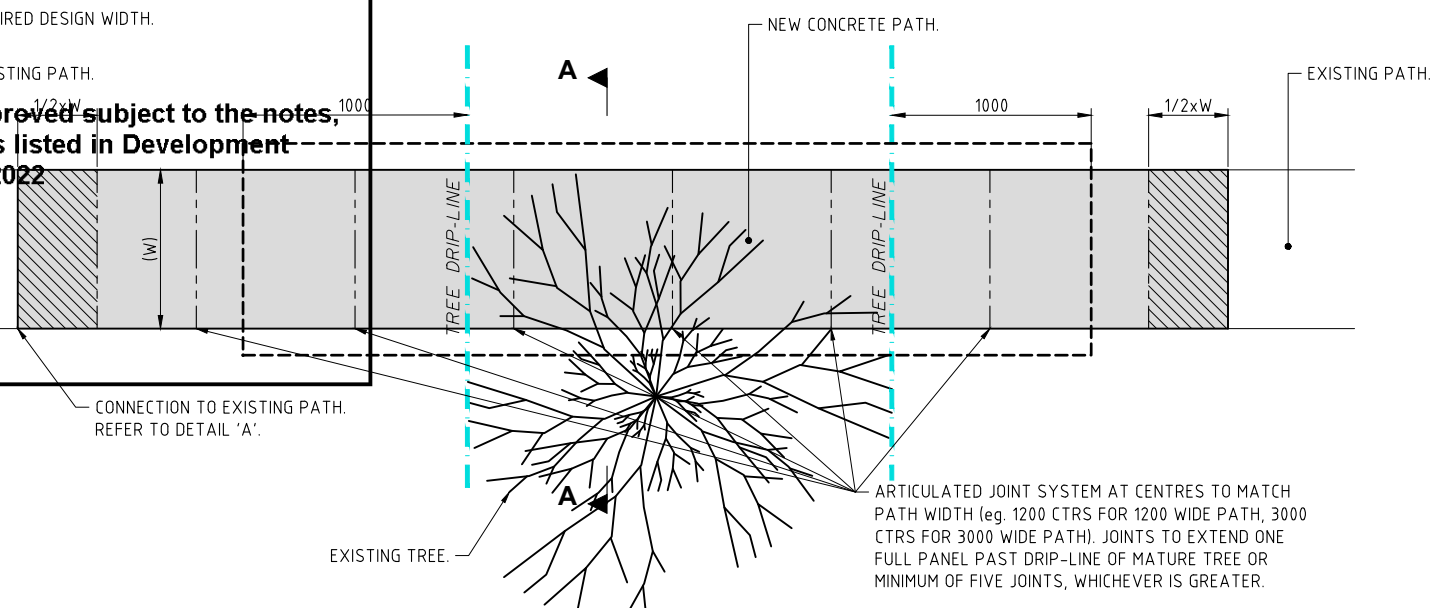
Project Number	100277		
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3	30		2
HSC Drawing Number	29.31		



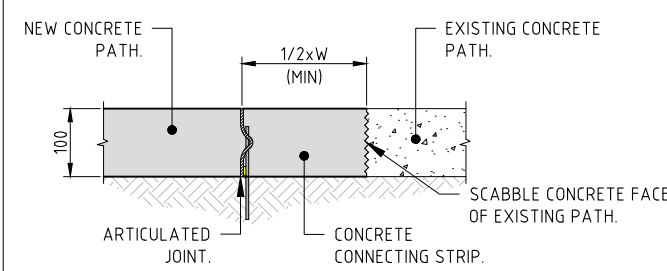
(W) PATH TO REQUIRED DESIGN WIDTH.

This document is approved subject to the notes, advice and conditions listed in Development Consent No. DA/585/2022 Dated. 26/04/2023

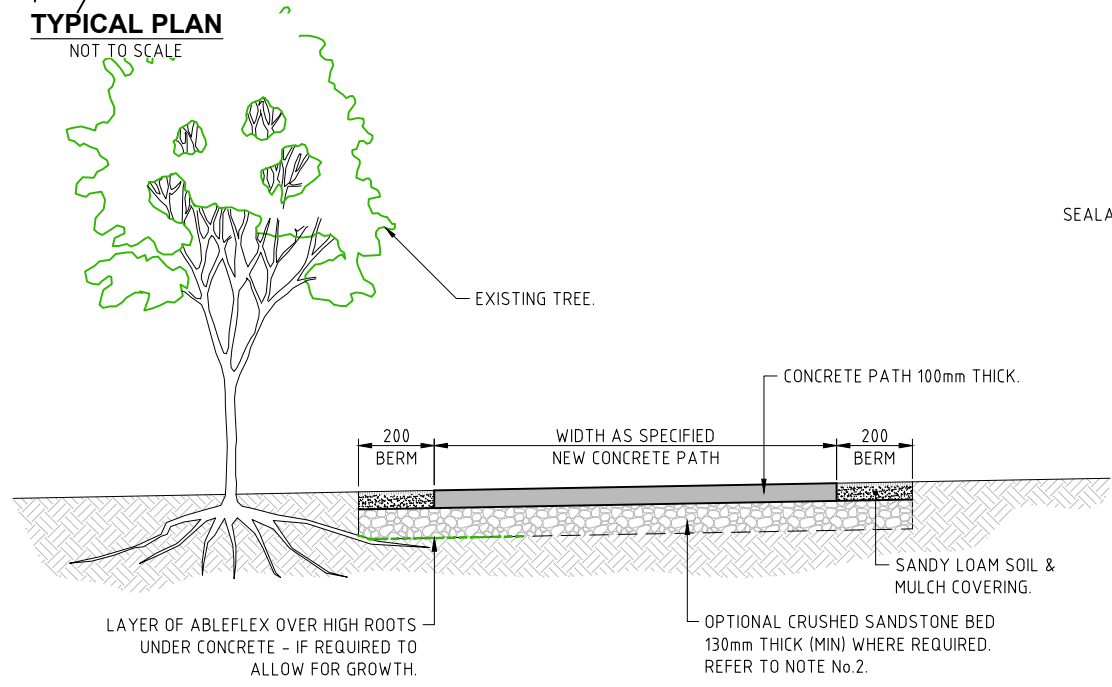
GENERAL MANAGER



TYPICAL PLAN
NOT TO SCALE



DETAIL A
CONNECTION TO EXISTING PATH



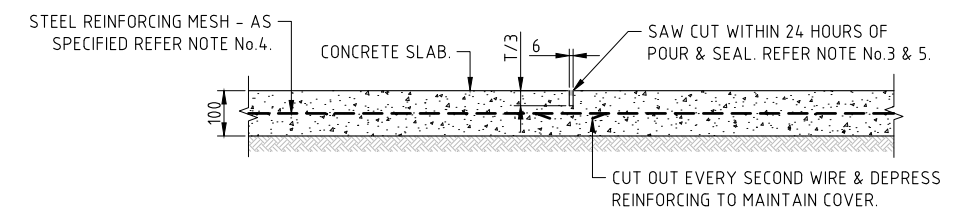
SECTION A-A
NOT TO SCALE

JOINTING DETAILS FOR PATH NEAR TREES

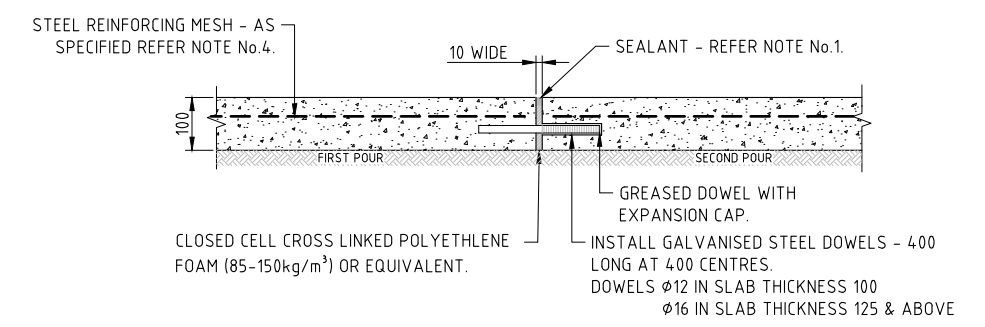
NOTES:

- ARTICULATED JOINT SYSTEM (TRIPSTOP OR APPROVED ALTERNATIVE) INSTALLED AT CENTRES TO MATCH PATH WIDTH (e.g. 1200 CTRS FOR 1200 WIDE PATH, 3000 CTRS FOR 3000 WIDE PATH). JOINTS TO EXTEND ONE FULL PANEL PAST DRIP-LINE OF MATURE TREE OR MINIMUM OF FIVE JOINTS, WHICHEVER IS GREATER.
- OPTIONAL CRUSHED SANDSTONE BED TO EXTEND MINIMUM 1000 PAST DRIP-LINE OF TREE & MINIMUM 200 EITHER SIDE OF PATH. BEDS INSTALLED AS REQUIRED OR DIRECTED TO ALLOW EASE OF ROOT TRAVEL BELOW CONCRETE PATH. MATERIAL FOR BED TO BE NOMINAL 5mm ROUNDED SANDSTONE, UNIFORMLY GRADED.
- FOR LOCATIONS WITH EXISTING TREES, A QUALIFIED ARBORIST IS REQUIRED TO BE CONSULTED TO CHECK ROOT SYSTEM BEFORE INSTALLATION OF PATH. ROOT TRIMMING OR PRUNING IS ONLY TO BE CONSIDERED AS A LAST OPTION WITH APPROVAL OF ARBORIST.
- THIS STANDARD DOES NOT APPLY TO HIGHLY SIGNIFICANT TREES. CONTACT COUNCIL'S PROJECT MANAGER FOR SPECIAL REQUIREMENTS AT THESE LOCATIONS.
- REFER TO PROJECT DRAWINGS FOR ACTUAL ALIGNMENT, WIDTH, THICKNESS & OTHER DETAILS.
- REFER www.tripstop.net FOR SUPPLIER LOCATIONS & INSTALLATION REQUIREMENTS.

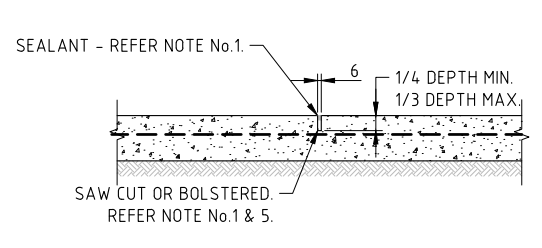
- DOWEL NOTES:**
- GREASE DOWEL IN SECOND POUR.
 - ENSURE DOWELS ARE STRAIGHT, PERPENDICULAR TO JOINT & CAPPED. (USE OF PROPRIETARY SLEEVE MAY BE REQUIRED).
 - DO NOT DISPLACE DURING POUR.



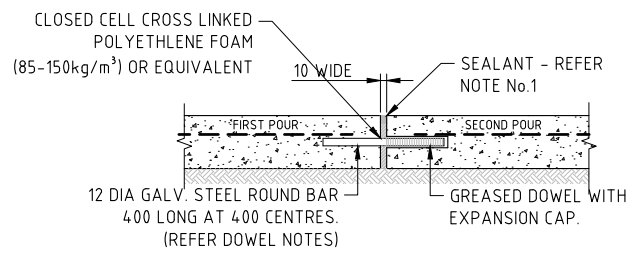
CONTROL JOINT DETAIL (CJ)
(3.0 METRE MAX. SPACING)



DOWELLED EXPANSION JOINT DETAIL (DEJ)
(12.0 METRE MAX. SPACING)

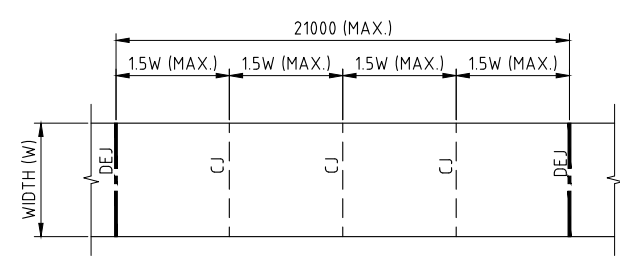


CONTROL JOINT UNREINFORCED CONCRETE (CJU)



DOWELLED EXPANSION JOINT UNREINFORCED CONCRETE (DEJU)

TYPICAL JOINTING DETAILS FOR PATH



TYPICAL JOINT LAYOUT (U.N.O.)
N.T.S.

TYPICAL JOINT NOTES:

- EXPANSION JOINTS & CONTROL JOINTS ARE TO BE SEALED WITH A LOW MODULUS SELF PRIMING SEALANT TO THE MANUFACTURERS SPECIFICATION. THE COLOUR OF THE SEALANT SHALL MATCH THE ADJOINING SURFACE FINISH.
- ALL CONCRETE CONSTRUCTION TO COMPLY WITH THE REQUIREMENTS OF AS 3600 - CONCRETE CODE.
- CONTROL JOINTS TO BE SQUARE TO SIDES.
- WHERE SPECIFIED, STEEL REINFORCEMENT MESH TO COMPLY WITH AS/NZS 4671
- CONTROL JOINTS ARE TO BE SAWCUT WITHIN 24 HOURS OF POUR FOR CONSTRUCTION

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Design & Construction
Branch

Designer S. COMISH	Design Checked-Design Team Leader							
Drawn S. COMISH	Signed:							
Surveyor M. LAWTON	NA	NA	AHD					
Field Book	Level Book	Datum						
Project Identifier\VCAD File Name	2			ISSUED FOR EIS APPROVAL	M. DRAKE			
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1			ISSUED FOR INFORMATION ONLY	M. DRAKE			
TRIM Document Number	XXX			Issue	Description	Name	Initial	Date
Name: R. RAJCA				Design not to be amended without authorisation by Manager Design & Construction				

Bar Scales
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BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

CONCRETE PATH JOINT DETAILS

Project Number	100277	
Sheet of	4	30
Issue	2	
HSC Drawing Number	29.31	



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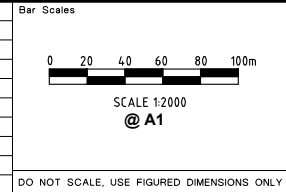
GENERAL MANAGER



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Design & Construction
Branch

Designer S. COMISH	Design Checked-Design Team Leader								
Drawn S. COMISH	Signed:								
Surveyor M. LAWTON	NA	NA	AHD						
Field Book	Level Book	Datum							
Project Identifier\VCAD File Name	2			ISSUED FOR EIS APPROVAL	M. DRAKE				
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TRIM Document Number	XXX			Issue	Description	Name	Initial	Date	
Authorised for release - Manager Design & Construction	Name: R. RAJCA			Design not to be amended without authorisation by Manager Design & Construction					



BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

OVERALL LAYOUT PLAN

Project Number	100277	
Sheet of	5	30
Issue	2	
HSC Drawing Number	29.31	



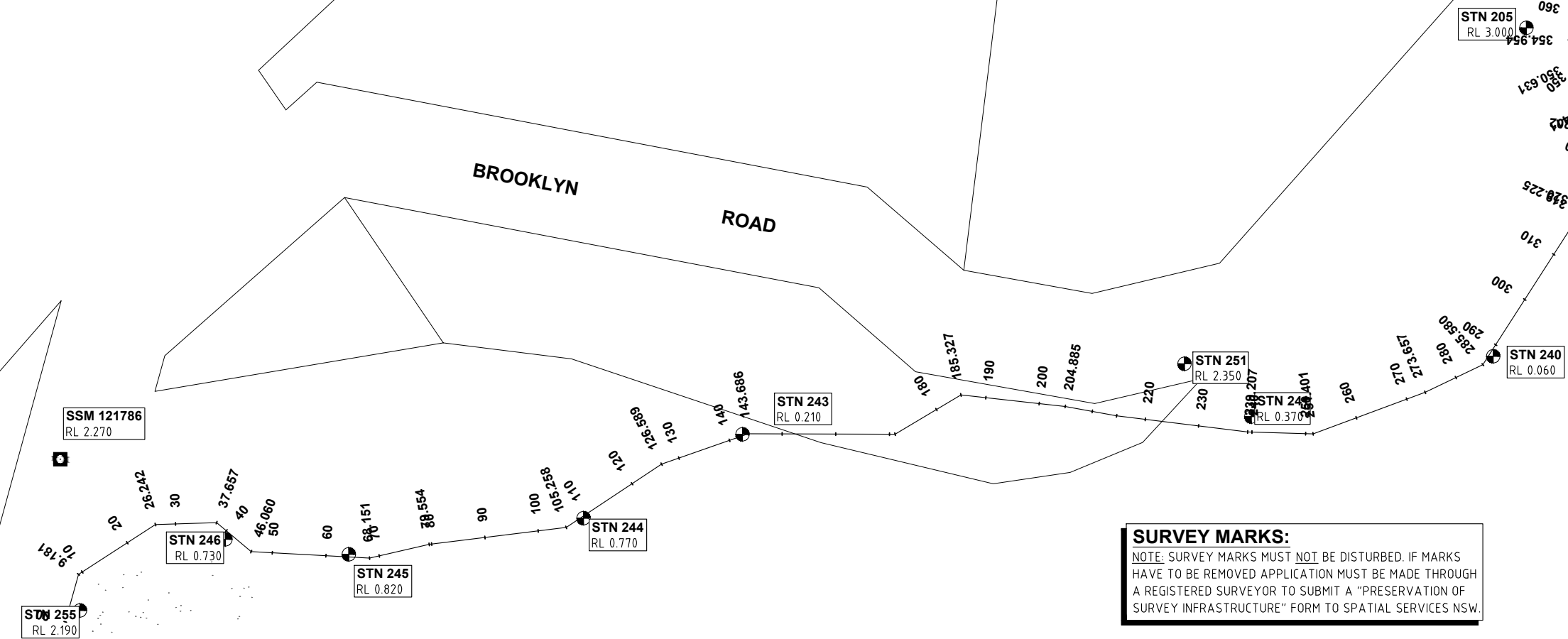
This document is approved subject to the notes, advice and conditions listed in Development Consent No DA/585/2022 Dated: 26/04/2023

GENERAL MANAGER

CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS
332700.122	6286321.953	2.228		
332694.942	6286329.533	2.046		
332704.095	6286335.432	1.252		
332706.403	6286355.839	1.182		
332712.370	6286356.891	1.080		
332721.903	6286359.766	1.080		
332727.476	6286373.010	1.080		
332728.317	6286374.657	1.080		
332732.658	6286383.168	1.080		
332732.900	6286383.542	1.080		
332738.340	6286391.933	1.080		
332743.780	6286400.324	1.080		
332746.640	6286404.736	1.080		
332747.172	6286409.448	1.080		
332748.294	6286419.385	1.080		
332749.033	6286425.933	1.080		
332750.239	6286429.123	1.080		
332753.773	6286438.478	1.080		
332755.076	6286441.926	1.080		
332759.147	6286446.752	1.080		
332765.596	6286454.395	1.080		
332772.045	6286462.038	1.080		
332772.711	6286462.827	1.080		
332774.144	6286471.679	1.080		
332774.995	6286476.937	1.080		
332778.375	6286480.164	1.080		
332785.609	6286487.069	1.080		
332789.142	6286490.442	1.080		
332793.076	6286493.711	1.080		
332796.623	6286496.657	1.080		
332800.565	6286500.332	1.080		
332807.881	6286507.150	1.080		
332814.616	6286513.427	1.080		
332815.144	6286514.019	1.080		
332821.795	6286521.487	1.080		
332822.726	6286522.533	1.080		
332825.617	6286530.632	1.080		

CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS
270.000	332828.978	6286540.050	1.080	
273.657	332830.208	6286543.494	1.080	
280.000	332831.789	6286549.637	1.080	
285.580	332833.179	6286555.041	1.080	
290.000	332831.868	6286559.262	1.080	
300.000	332828.901	6286568.811	1.080	
310.000	332825.935	6286578.361	1.276	
319.225	332823.198	6286587.170	1.552	
320.000	332822.819	6286587.847	1.576	
330.000	332817.938	6286596.575	1.876	
336.202	332814.910	6286601.987	2.009	
340.000	332811.549	6286603.757	2.116	
341.411	332810.301	6286604.414	2.158	
350.000	332801.712	6286604.370	2.416	
350.631	332801.081	6286604.367	2.435	
354.954	332797.204	6286606.282	2.564	
360.000	332794.159	6286610.304	2.716	
365.371	332790.916	6286614.586	2.747	
368.048	332789.934	6286617.043	2.647	
370.000	332789.715	6286618.982	2.550	
375.835	332789.059	6286624.779	2.261	
378.352	332788.672	6286627.266	2.153	
380.000	332788.350	6286628.882	2.092	
390.000	332786.397	6286638.690	1.886	
400.000	332784.445	6286648.497	1.959	
410.000	332782.492	6286658.305	2.159	
417.412	332781.045	6286665.574	2.307	
420.000	332781.204	6286668.128	2.359	
423.484	332783.323	6286670.806	2.429	
430.000	332788.868	6286674.227	2.445	
435.191	332793.286	6286676.952	2.289	
440.000	332795.653	6286680.927	2.145	
441.407	332795.534	6286682.324	2.103	
450.000	332793.615	6286690.700	1.896	
460.000	332791.381	6286700.448	1.770	
462.785	332790.759	6286703.162	1.754	
465.633	332789.992	6286705.904	1.739	
470.000	332788.618	6286710.049	1.715	
480.000	332785.470	6286719.541	1.660	
490.000	332782.323	6286729.032	1.608	
500.000	332779.175	6286738.524	1.589	
510.000	332776.027	6286748.016	1.614	

CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS
520.000	332772.880	6286757.508	1.682	
522.578	332772.068	6286759.954	1.707	-21.499
530.000	332768.574	6286766.461	1.779	-21.499
533.484	332766.211	6286769.015	1.814	28.500
538.848	332762.044	6286773.806	1.876	
540.000	332761.957	6286773.933	1.878	



NOTE: STATIONS ARE ON MGA94 ZONE 56 DATUM.

NUMBER	EASTING	NORTHING	LEVEL	DESCRIPTION
567	332696.786	6286325.038	2.190	STN 255
569	332676.326	6286340.706	2.270	SSM 121786
571	332724.431	6286370.486	0.820	STN 245
572	332747.394	6286408.316	0.770	STN 244
573	332754.453	6286441.041	0.210	STN 243
574	332795.082	6286692.424	1.770	STN 201
575	332786.038	6286717.392	1.660	STN 202
576	332787.933	6286670.910	2.230	BOLT IN HWALL
577	332798.782	6286625.563	1.650	GI NAIL IN BIT
578	332760.500	6286773.102	1.880	STN 207
579	332750.121	6286791.624	1.990	STN 208
584	332767.133	6286765.177	1.760	RKMK
604	332790.324	6286601.572	3.000	STN 205
605	332833.217	6286557.509	0.060	STN 240
606	332812.855	6286515.767	0.370	STN 241
607	332797.318	6286512.568	2.350	STN 251

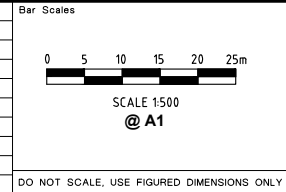
SURVEY MARKS:
NOTE: SURVEY MARKS MUST NOT BE DISTURBED. IF MARKS HAVE TO BE REMOVED APPLICATION MUST BE MADE THROUGH A REGISTERED SURVEYOR TO SUBMIT A "PRESERVATION OF SURVEY INFRASTRUCTURE" FORM TO SPATIAL SERVICES NSW.

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SURVEY CONTROL		
SURVEY STATION AND/OR CONTROL LINE DETAILS CHECKED AND VERIFIED		
Signed:	Date:	
Project Number	100277	
Sheet of	6 30	Issue 2
HSC Drawing Number	29.31	

Hornsby Shire Council
Design & Construction Branch
TELEPHONE: 021 9847 6666
FACSIMILE: 021 9847 6999

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Signed:		
Surveyor M. LAWTON	NA	NA	AHD
Project Identifier\CAD File Name	2	ISSUED FOR EIS APPROVAL	
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TRM Document Number	XXX	Name	Initial Date
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BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT
CONTROL LINE 1 SETOUT DETAILS
SHEET 1 OF 2

NOTE: STATIONS ARE ON MGA94 ZONE 56 DATUM.

SURVEY STATIONS & REFERENCE MARKS SETOUT TABLE

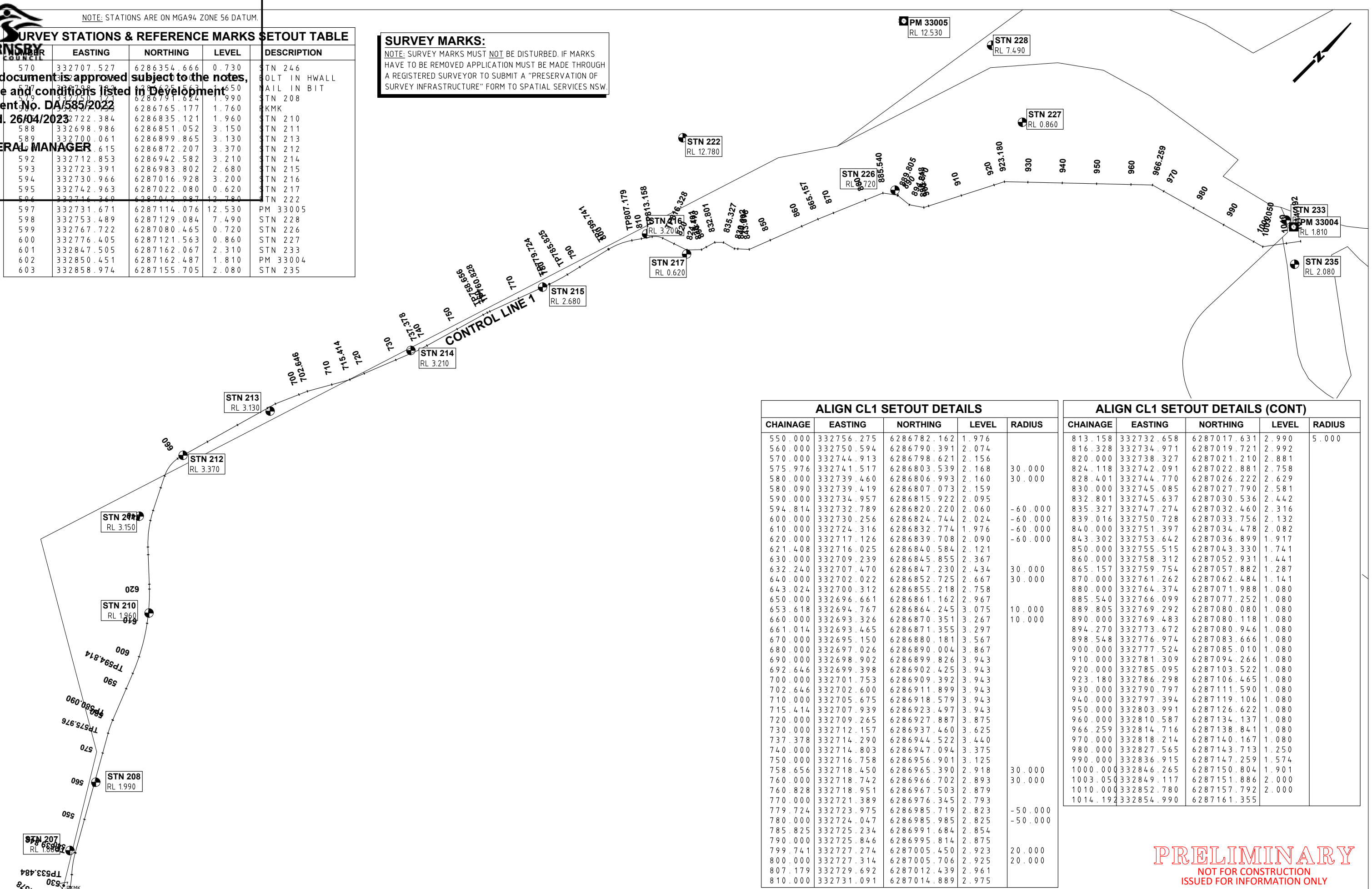
STATION	EASTING	NORTHING	LEVEL	DESCRIPTION
570	332707.527	6286354.666	0.730	STN 246
571	332707.527	6286354.666	0.730	BOLT IN HWALL
572	332707.527	6286354.666	0.730	MAIL IN BIT
579	332730.122	6286791.624	1.990	STN 208
580	332730.122	6286791.624	1.990	KMK
588	332722.384	6286835.121	1.960	STN 210
589	332698.986	6286851.052	3.150	STN 211
589	332700.061	6286899.865	3.130	STN 213
592	332712.853	6286942.582	3.210	STN 214
593	332723.391	6286983.802	2.680	STN 215
594	332730.966	6287016.928	3.200	STN 216
595	332742.963	6287022.080	0.620	STN 217
596	332714.369	6287042.887	12.780	STN 222
597	332731.671	6287114.076	12.530	PM 33005
598	332753.489	6287129.084	7.490	STN 228
599	332767.722	6287080.465	0.720	STN 226
600	332776.405	6287121.563	0.860	STN 227
601	332847.505	6287162.067	2.310	STN 233
602	332850.451	6287162.487	1.810	PM 33004
603	332858.974	6287155.705	2.080	STN 235

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GENERAL MANAGER

SURVEY MARKS:

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ALIGN CL1 SETOUT DETAILS				
CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS
550.000	332756.275	6286782.162	1.976	
560.000	332750.594	6286790.391	2.074	
570.000	332744.913	6286798.621	2.156	
575.976	332744.517	6286803.539	2.168	30.000
580.000	332739.460	6286806.993	2.160	30.000
580.090	332739.419	6286807.073	2.159	
590.000	332734.957	6286815.922	2.095	
594.814	332732.789	6286820.220	2.060	-60.000
600.000	332730.256	6286824.744	2.024	-60.000
610.000	332724.316	6286832.774	1.976	-60.000
620.000	332717.126	6286839.708	2.090	-60.000
621.408	332716.025	6286840.584	2.121	
630.000	332709.239	6286845.855	2.367	
632.240	332707.470	6286847.230	2.434	30.000
640.000	332702.022	6286852.725	2.667	30.000
643.024	332700.312	6286855.218	2.758	
650.000	332696.661	6286861.162	2.967	
653.618	332694.767	6286864.245	3.075	10.000
660.000	332693.326	6286870.351	3.267	10.000
661.014	332693.465	6286871.355	3.297	
670.000	332695.150	6286880.181	3.567	
680.000	332697.026	6286890.004	3.867	
690.000	332698.902	6286899.826	3.943	
692.646	332699.398	6286902.425	3.943	
700.000	332701.753	6286909.392	3.943	
702.646	332702.600	6286911.899	3.943	
710.000	332705.675	6286918.579	3.943	
715.414	332707.939	6286923.497	3.943	
720.000	332709.265	6286927.887	3.875	
730.000	332712.157	6286937.460	3.625	
737.378	332714.290	6286944.522	3.440	
740.000	332714.803	6286947.094	3.375	
750.000	332716.758	6286956.901	3.125	
758.656	332718.450	6286965.390	2.918	30.000
760.000	332718.742	6286966.702	2.893	30.000
760.828	332718.951	6286967.503	2.879	
770.000	332721.389	6286976.345	2.793	
779.724	332723.975	6286985.719	2.823	-50.000
780.000	332724.047	6286985.985	2.825	-50.000
785.825	332725.234	6286991.684	2.854	
790.000	332725.846	6286995.814	2.875	
799.741	332727.274	6287005.450	2.923	20.000
800.000	332727.314	6287005.706	2.925	20.000
807.179	332729.692	6287012.439	2.961	
810.000	332731.091	6287014.889	2.975	

ALIGN CL1 SETOUT DETAILS (CONT)				
CHAINAGE	EASTING	NORTHING	LEVEL	RADIUS
813.158	332732.658	6287017.631	2.990	5.000
816.328	332734.971	6287019.721	2.992	
820.000	332738.327	6287021.210	2.881	
824.118	332742.091	6287022.881	2.758	
828.401	332744.770	6287026.222	2.629	
830.000	332745.085	6287027.790	2.581	
832.801	332745.637	6287030.536	2.442	
835.327	332747.274	6287032.460	2.316	
839.016	332750.728	6287033.756	2.132	
840.000	332751.397	6287034.478	2.082	
843.302	332753.642	6287036.899	1.917	
850.000	332755.515	6287043.330	1.741	
860.000	332758.312	6287052.931	1.441	
865.157	332759.754	6287057.882	1.287	
870.000	332761.262	6287062.484	1.141	
880.000	332764.374	6287071.988	1.080	
885.540	332766.099	6287077.252	1.080	
889.805	332769.292	6287080.080	1.080	
890.000	332769.483	6287080.118	1.080	
894.270	332773.672	6287080.946	1.080	
898.548	332776.974	6287083.666	1.080	
900.000	332777.524	6287085.010	1.080	
910.000	332781.309	6287094.266	1.080	
920.000	332785.095	6287103.522	1.080	
923.180	332786.298	6287106.465	1.080	
930.000	332790.797	6287111.590	1.080	
940.000	332797.394	6287119.106	1.080	
950.000	332803.991	6287126.622	1.080	
960.000	332810.587	6287134.137	1.080	
966.259	332814.716	6287138.841	1.080	
970.000	332818.214	6287140.167	1.080	
980.000	332827.565	6287143.713	1.250	
990.000	332836.915	6287147.259	1.574	
1000.000	332846.265	6287150.804	1.901	
1003.050	332849.117	6287151.886	2.000	
1010.000	332852.780	6287157.792	2.000	
1014.192	332854.990	6287161.355		

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Hornsby Shire Council
Design & Construction Branch

TELEPHONE: 021 9847 6666
FACSIMILE: 021 9847 6999

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Signed:		
Surveyor M. LAWTON	NA	NA	AHD
	Field Book	Level Book	Datum
Project Identifier\VCAD File Name	2 ISSUED FOR EIS APPROVAL M. DRAKE		
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1 ISSUED FOR INFORMATION ONLY M. DRAKE		
TRIM Document Number	Issue	Description	Name Initial Date
XXX			

Bar Scales

SCALE 1:500
@ A1

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BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

CONTROL LINE 1 SETOUT DETAILS
SHEET 2 OF 2

Project Number	100277	
Sheet of	7	30
Issue	2	
HSC Drawing Number	29.31	



This document is approved subject to the notes, advice and conditions listed in Development Consent No. DA/585/2022 Dated. 26/04/2023

GENERAL MANAGER

Kangaroo Pt

ALLOW FOR EXISTING POWER POLE & TELSTRA PIT WITHIN PROPOSED RAISED BOARDWALK DECKING.

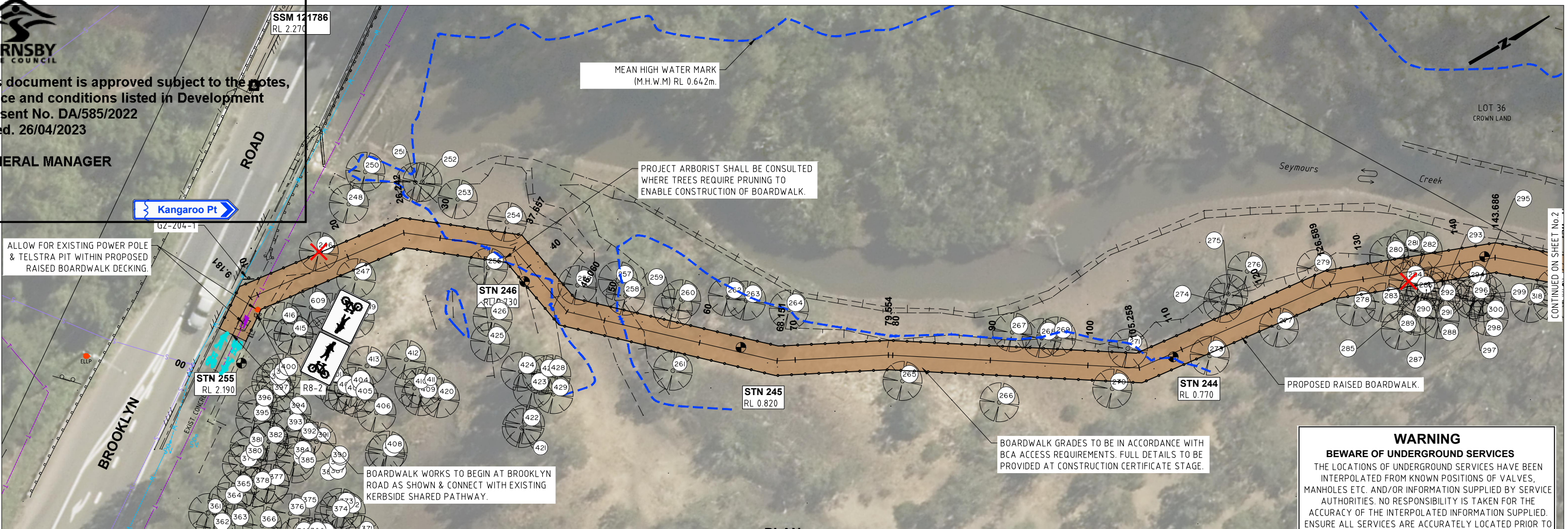
MEAN HIGH WATER MARK (M.H.W.M) RL 0.642m.

PROJECT ARBORIST SHALL BE CONSULTED WHERE TREES REQUIRE PRUNING TO ENABLE CONSTRUCTION OF BOARDWALK.

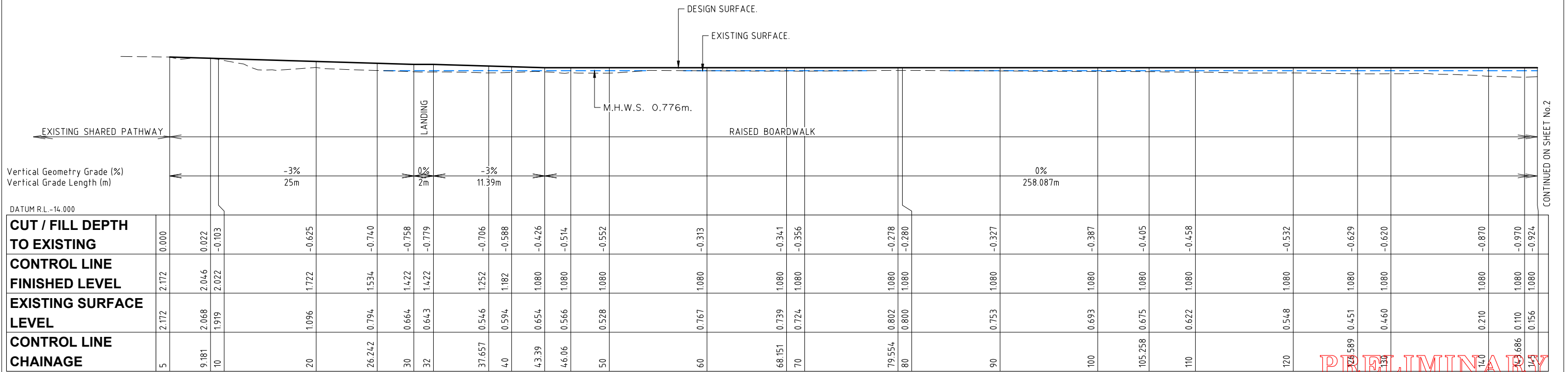
BOARDWALK WORKS TO BEGIN AT BROOKLYN ROAD AS SHOWN & CONNECT WITH EXISTING KERBSIDE SHARED PATHWAY.

BOARDWALK GRADES TO BE IN ACCORDANCE WITH BCA ACCESS REQUIREMENTS. FULL DETAILS TO BE PROVIDED AT CONSTRUCTION CERTIFICATE STAGE.

WARNING
BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM KNOWN POSITIONS OF VALVES, MANHOLES ETC. AND/OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.



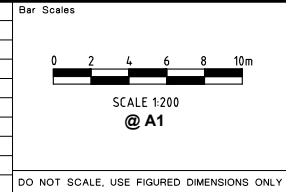
PLAN SCALE 1:200



LONGITUDINAL SECTION - ALIGN CL1 SCALE 1:200 NATURAL

Hornsby Shire Council Design & Construction Branch
 Telephone: 021 9847 6666
 Facsimile: 021 9847 6999
 Authorised for release - Manager Design & Construction
 Name: R. RAJCA Signed: Date:

Designer S. COMISH	Design Checked-Design Team Leader				
Drawn S. COMISH	Drawing Checked				
Surveyor M. LAWTON	NA	NA	AHD		
Field Book					
Level Book					
Datum					
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	M. DRAKE		
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1	ISSUED FOR INFORMATION ONLY	M. DRAKE		
TRM Document Number	Issue	Description	Name	Initial	Date
XXX					



BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT
 GENERAL WORKS & SERVICES PLAN
 PLAN 1 OF 8

Project Number	100277	
Sheet of	8	30
Issue	2	
HSC Drawing Number	29.31	

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CONTINUED ON SHEET No.2

CONTINUED ON SHEET No.2



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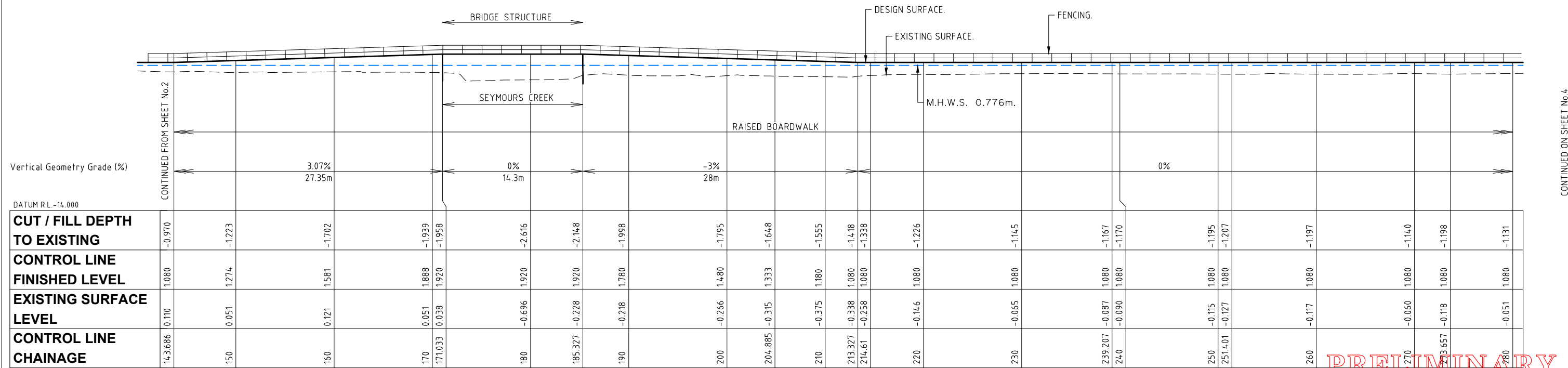
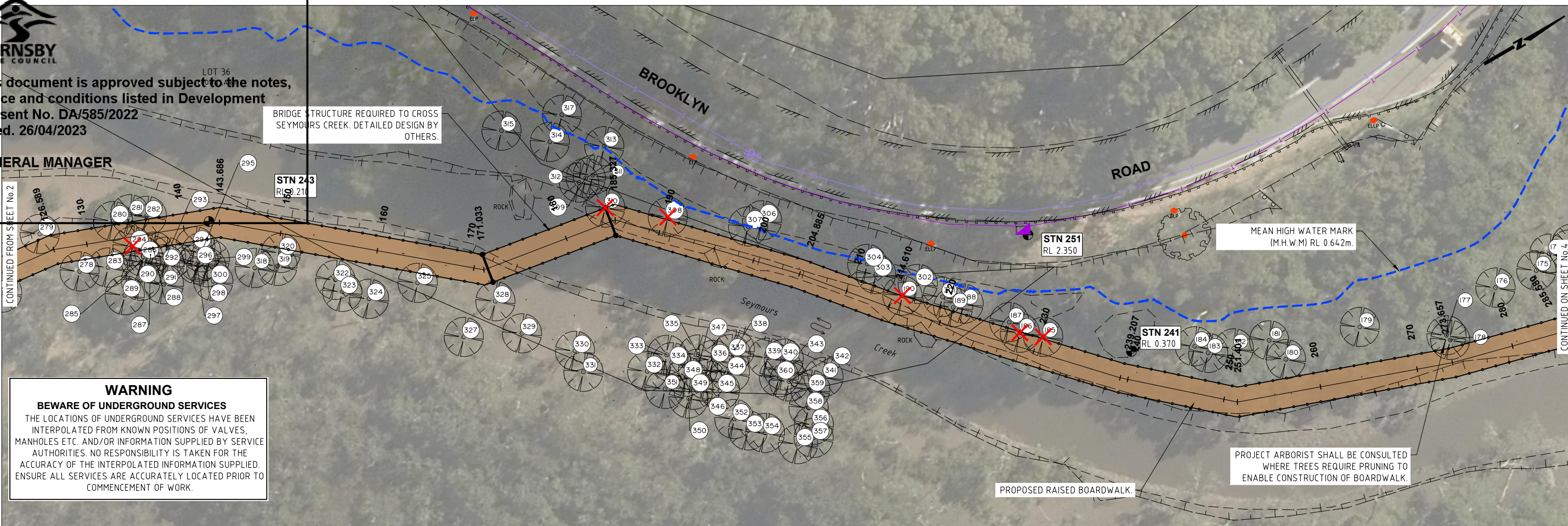
GENERAL MANAGER

BRIDGE STRUCTURE REQUIRED TO CROSS SEYMOURS CREEK. DETAILED DESIGN BY OTHERS.

CONTINUED FROM SHEET No.2

CONTINUED ON SHEET No.4

WARNING
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Vertical Geometry Grade (%)

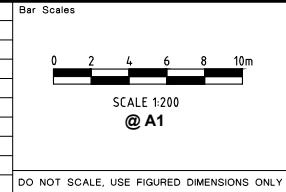
Vertical Geometry Grade (%)	143.686	150	160	170	171.033	180	185.327	190	200	204.885	210	213.327	214.61	220	230	239.207	240	250	251.401	260	270	280	
CUT / FILL DEPTH TO EXISTING	-0.970	-1.223	-1.702	-1.939	-1.958	-2.616	-2.148	-1.998	-1.795	-1.648	-1.555	-1.418	-1.338	-1.226	-1.145	-1.167	-1.170	-1.195	-1.207	-1.197	-1.140	-1.198	-1.131
CONTROL LINE FINISHED LEVEL	1.080	1.274	1.581	1.888	1.920	1.920	1.920	1.780	1.480	1.333	1.180	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080	1.080
EXISTING SURFACE LEVEL	0.110	0.051	0.121	0.051	0.038	-0.696	-0.228	-0.218	-0.266	-0.315	-0.375	-0.338	-0.258	-0.146	-0.065	-0.087	-0.090	-0.115	-0.127	-0.117	-0.060	-0.118	-0.051
CONTROL LINE CHAINAGE	143.686	150	160	170	171.033	180	185.327	190	200	204.885	210	213.327	214.61	220	230	239.207	240	250	251.401	260	270	280	

LONGITUDINAL SECTION - ALIGN CL1
SCALE 1:200 NATURAL

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 Design & Construction
 Branch

Designer S. COMISH	Design Checked-Design Team Leader				
Drawn S. COMISH	Drawn Checked				
Surveyor M. LAWTON	NA	NA	AHD		
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL		M. DRAKE	
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Authorised for release - Manager Design & Construction		Design not to be amended without authorisation by Manager Design & Construction			



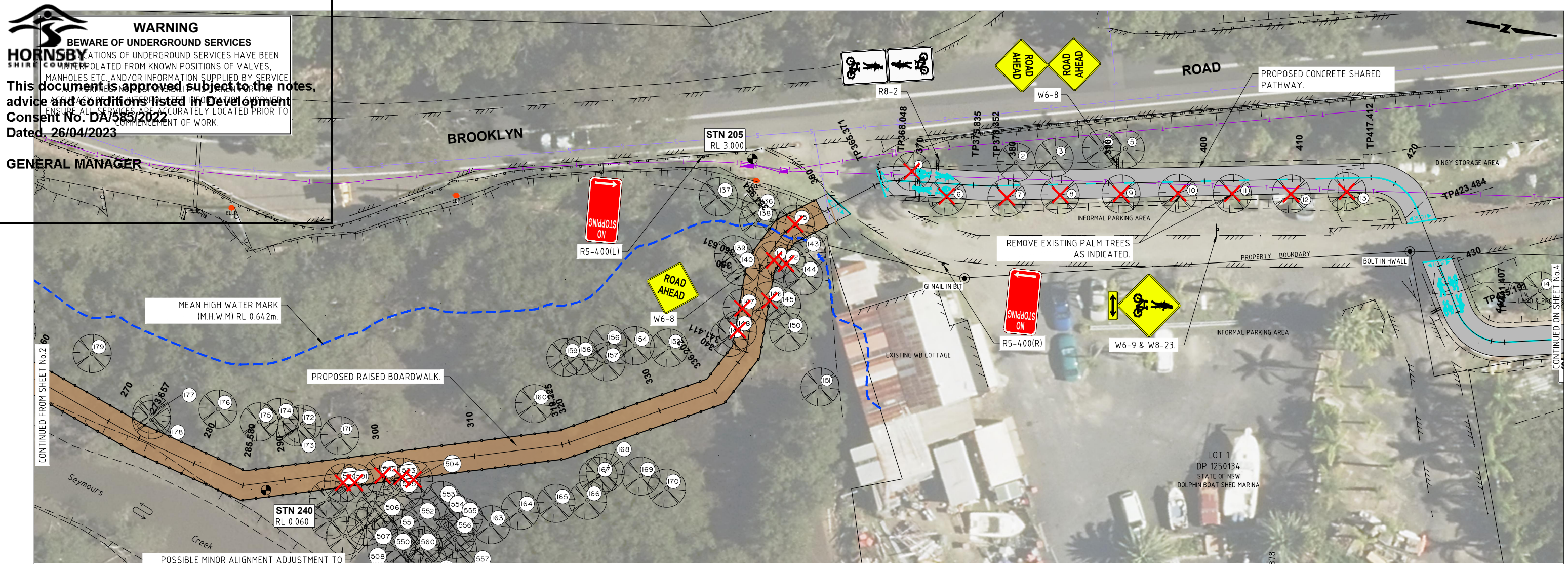
BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

GENERAL WORKS & SERVICES PLAN
 PLAN 2 OF 8

Project Number	100277	
Sheet of	9	30
Issue	2	
HSC Drawing Number	29.31	

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 Dated: 26/04/2023

GENERAL MANAGER



POSSIBLE MINOR ALIGNMENT ADJUSTMENT TO AVOID TREE #500-505. (TO BE ADDRESSED PRIOR TO CC AND IN CONSULTATION WITH ARBORIST).

PLAN
SCALE 1:200

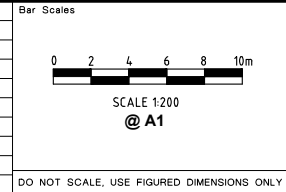
Horizontal Geometry Data	RAISED BOARDWALK															ACCESS ROAD		CONCRETE SHARED PATHWAY																			
Vertical Geometry Grade (%)	0%															-0.307%		-5%																			
Vertical Grade Length (m)	258.087m															4.666m		20.906m																			
Vertical Curve Length (m)	5.963m															R 35m		L 25																			
Vertical Curve Radius (m)	2m															R 357.143		38.001m																			
DATUM R.L. -15.000	0.776m																																				
CUT / FILL DEPTH TO EXISTING	-1.131	-1.123	-1.071	-1.150	-1.179	-1.396	-1.390	-1.402	-1.591	-1.615	-1.858	-1.951	-1.946	-1.947	-2.034	-2.035	-2.085	-2.076	-1.883	-0.107	0.000	0.005	0.002	-0.006	-0.253	-0.522	-0.486	-0.401	-0.349	-0.206	-0.179	-0.208	-0.365	-0.379	-0.516	-0.071	-0.106
CONTROL LINE FINISHED LEVEL	1.080	1.080	1.080	1.080	1.080	1.259	1.259	1.276	1.552	1.576	1.876	2.009	2.009	2.009	2.116	2.158	2.416	2.435	2.564	2.716	2.759	2.747	2.745	2.647	2.550	2.324	2.261	2.153	2.092	1.918	1.886	1.878	1.949	1.959	2.159	2.307	2.359
EXISTING SURFACE LEVEL	-0.051	-0.043	0.009	-0.070	-0.099	-0.137	-0.131	-0.126	-0.039	-0.039	0.018	0.058	0.063	0.063	0.081	0.123	0.330	0.359	0.682	2.608	2.759	2.752	2.746	2.642	2.297	1.802	1.775	1.752	1.743	1.712	1.707	1.669	1.584	1.580	1.643	2.236	2.253
CONTROL LINE CHAINAGE	280	285.58	290	300	301.477	307.441	309.441	310	319.225	320	330	334.441	336.202	336.441	340	341.411	350	350.631	354.954	360	361.441	365.371	366.107	368.048	370	374.513	375.835	378.352	380	387.013	390	392.37	399.513	400	410	417.412	420

LONGITUDINAL SECTION - ALIGN CL1
SCALE 1:200 NATURAL

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Hornsby Shire Council
Design & Construction
Branch

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Drawing Checked		
Surveyor M. LAWTON	NA	NA	AHD
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	
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TRIM Document Number	XXX	Name	Initial
Authorised for release - Manager Design & Construction		Date	
Name: R. RAJCA	Signed:	Date:	



BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

GENERAL WORKS & SERVICES PLAN
PLAN 3 OF 8

Project Number	100277		
Sheet of	10	30	2
HSC Drawing Number	29.31		



HORNSBY SHIRE COUNCIL

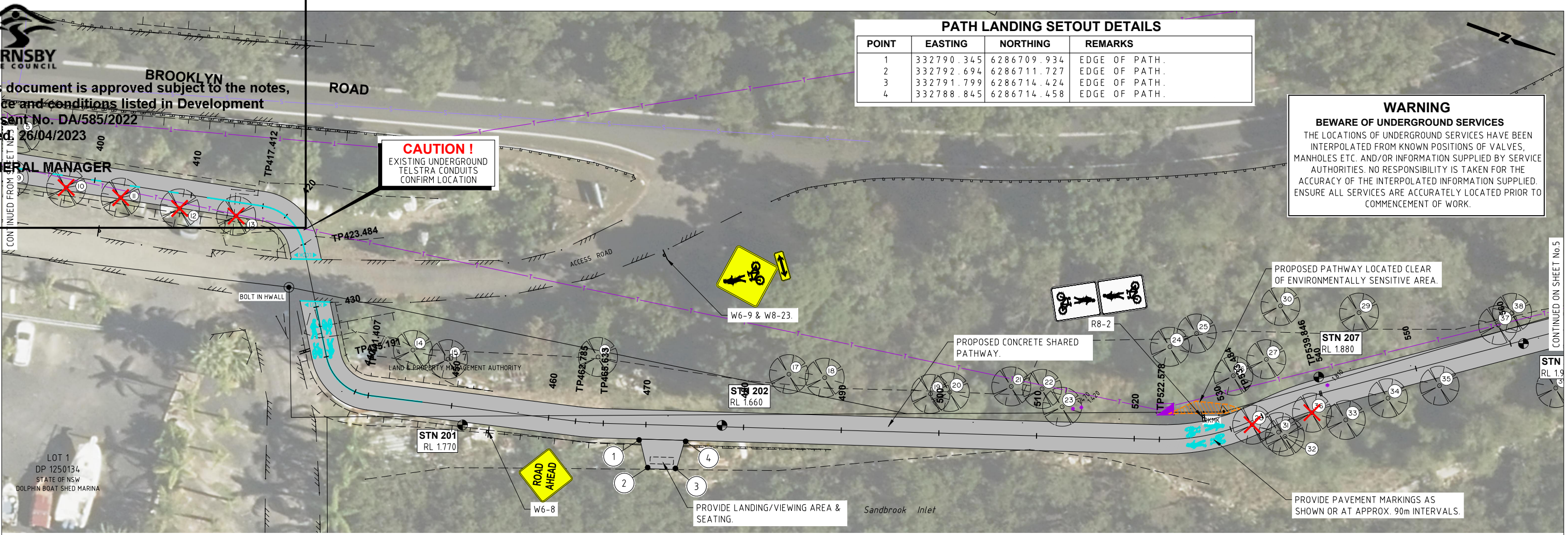
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 Dated: 26/04/2023

GENERAL MANAGER

PATH LANDING SETOUT DETAILS			
POINT	EASTING	NORTHING	REMARKS
1	332790.345	6286709.934	EDGE OF PATH.
2	332792.694	6286711.727	EDGE OF PATH.
3	332791.799	6286714.424	EDGE OF PATH.
4	332788.845	6286714.458	EDGE OF PATH.

WARNING
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CAUTION!
 EXISTING UNDERGROUNDS
 TELSTRA CONDUITS
 CONFIRM LOCATION



PLAN
 SCALE 1:200

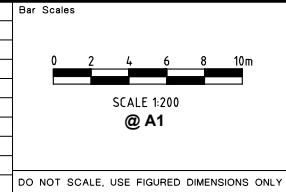
Horizontal Geometry Data	ACCESS ROAD		CONCRETE SHARED PATHWAY																													
	R5m	R-5m	R-30m																													
Vertical Geometry Grade (%)	2%		-3%															-0.546%		0.981%												
Vertical Grade Length (m)	38.001m		21.429m															53.45m		69.562m												
Vertical Curve Length (m)			L 20															L 35														
Vertical Curve Radius (m)			R 814.996															R 2292.076														
DATUM R.L. -14.000																																
CUT / FILL DEPTH TO EXISTING	-0.107	-0.090	-0.000	0.000	0.165	-0.472	-0.487	-0.448	-0.428	-0.176	-0.160	-0.037	-0.029	-0.013	-0.006	-0.019	-0.014	-0.021	-0.045	-0.057	-0.053	-0.061	-0.103	-0.086	-0.093	-0.097	-0.023	-0.018	0.001	0.012	-0.083	-0.127
CONTROL LINE FINISHED LEVEL	2.359	2.429	2.460	2.462	2.444	2.289	2.144	2.119	2.102	1.896	1.880	1.770	1.765	1.754	1.738	1.715	1.660	1.623	1.608	1.589	1.589	1.594	1.614	1.682	1.699	1.707	1.779	1.814	1.876	1.876	1.976	2.074
EXISTING SURFACE LEVEL	2.253	2.339	2.459	2.462	2.610	1.817	1.657	1.671	1.674	1.720	1.721	1.733	1.735	1.741	1.732	1.695	1.646	1.602	1.563	1.532	1.536	1.533	1.511	1.596	1.606	1.610	1.756	1.796	1.877	1.890	1.892	1.947
CONTROL LINE CHAINAGE	420	423.484	425.014	429.416	430	435.191	440	440.845	441.407	450	450.845	460	460.845	462.785	465.633	470	480	486.795	490	499.31	500	504.295	510	520	521.795	522.578	530	533.484	538.846	540	550	

LONGITUDINAL SECTION - ALIGN CL1
 SCALE 1:200 NATURAL

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Hornsby Shire Council
 Design & Construction
 Branch

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	NA	NA	AHD
Surveyor M. LAWTON	Field Book	Level Book	Datum
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	
H:\Brooklyn Rd Bwalk_TR_120121\Design\Concept Design 2021.dwg	1	ISSUED FOR INFORMATION ONLY	
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BROOKLYN SHARED PATH & BOARDWALK
 SEYMOURS CREEK TO KANGAROO POINT

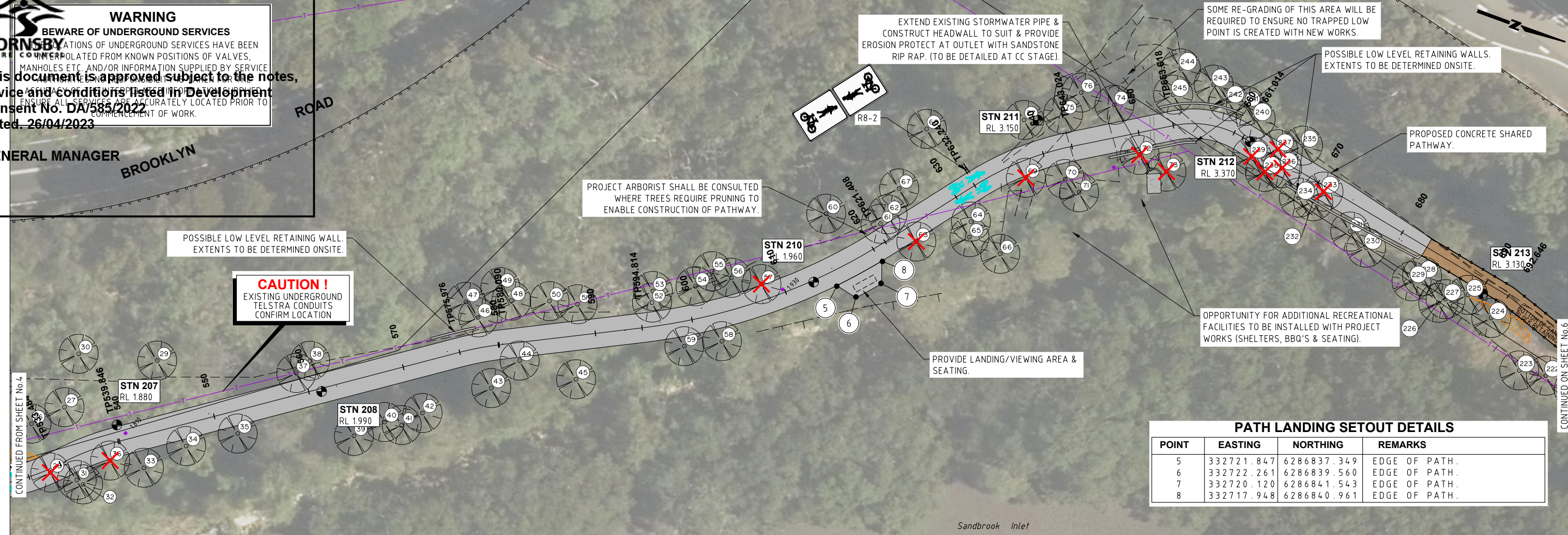
GENERAL WORKS & SERVICES PLAN
 PLAN 4 OF 8

Project Number	100277	
Sheet of	11	30
Issue	2	
HSC Drawing Number	29.31	

WARNING
BWARE OF UNDERGROUND SERVICES
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 Dated: 26/04/2023

GENERAL MANAGER

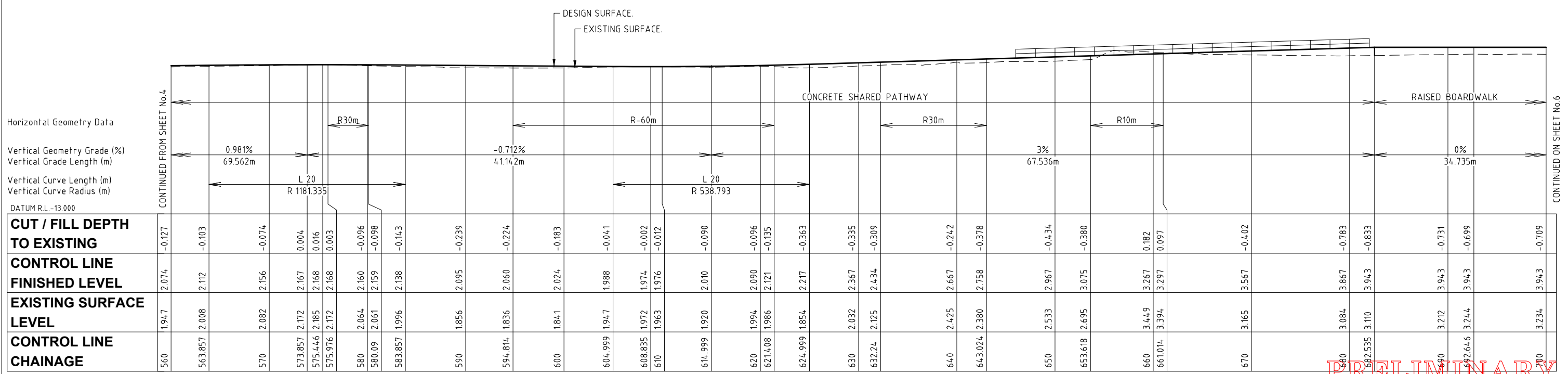
BROOKLYN ROAD



PATH LANDING SETOUT DETAILS

POINT	EASTING	NORTHING	REMARKS
5	332721.847	6286837.349	EDGE OF PATH.
6	332722.261	6286839.560	EDGE OF PATH.
7	332720.120	6286841.543	EDGE OF PATH.
8	332717.948	6286840.961	EDGE OF PATH.

PLAN
 SCALE 1:200



Horizontal Geometry Data
 Vertical Geometry Grade (%)
 Vertical Grade Length (m)
 Vertical Curve Length (m)
 Vertical Curve Radius (m)
 DATUM R.L. -13.000

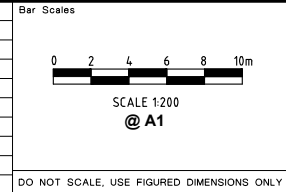
CUT / FILL DEPTH TO EXISTING	CONTROL LINE FINISHED LEVEL	EXISTING SURFACE LEVEL	CONTROL LINE CHAINAGE
-0.127	2.074	1.947	560
-0.103	2.112	2.008	563.857
-0.074	2.156	2.082	570
0.004	2.167	2.172	573.857
0.016	2.168	2.185	575.446
0.003	2.168	2.172	575.976
-0.096	2.160	2.064	580
-0.098	2.159	2.061	580.09
-0.143	2.138	1.996	583.857
-0.239	2.095	1.856	590
-0.224	2.060	1.836	594.814
-0.183	2.024	1.841	600
-0.041	1.988	1.947	604.999
-0.002	1.974	1.972	608.835
-0.012	1.976	1.963	610
-0.090	2.010	1.920	614.999
-0.096	2.090	1.994	620
-0.135	2.121	1.986	621.408
-0.363	2.217	1.854	624.999
-0.335	2.367	2.032	630
-0.309	2.434	2.125	632.24
-0.242	2.667	2.425	640
-0.378	2.758	2.380	643.024
-0.434	2.967	2.533	650
-0.380	3.075	2.695	653.618
0.182	3.267	3.449	660
0.097	3.297	3.394	661.014
-0.402	3.567	3.165	670
-0.783	3.867	3.084	680
-0.833	3.943	3.110	682.535
-0.731	3.943	3.212	690
-0.699	3.943	3.244	692.646
-0.709	3.943	3.234	700

LONGITUDINAL SECTION - ALIGN CL1
 SCALE 1:200 NATURAL

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Hornsby Shire Council
 Design & Construction
 Branch

Designer S. COMISH	Design Checked-Design Team Leader	
Drawn S. COMISH	Drawing Checked	
Surveyor M. LAWTON	NA Field Book	NA Level Book
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL
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Name: R. RAJCA	XXX	



BROOKLYN SHARED PATH & BOARDWALK
 SEYMOURS CREEK TO KANGAROO POINT

GENERAL WORKS & SERVICES PLAN
 PLAN 5 OF 8

Project Number	100277	
Sheet of	12	30
Issue	2	
HSC Drawing Number	29.31	



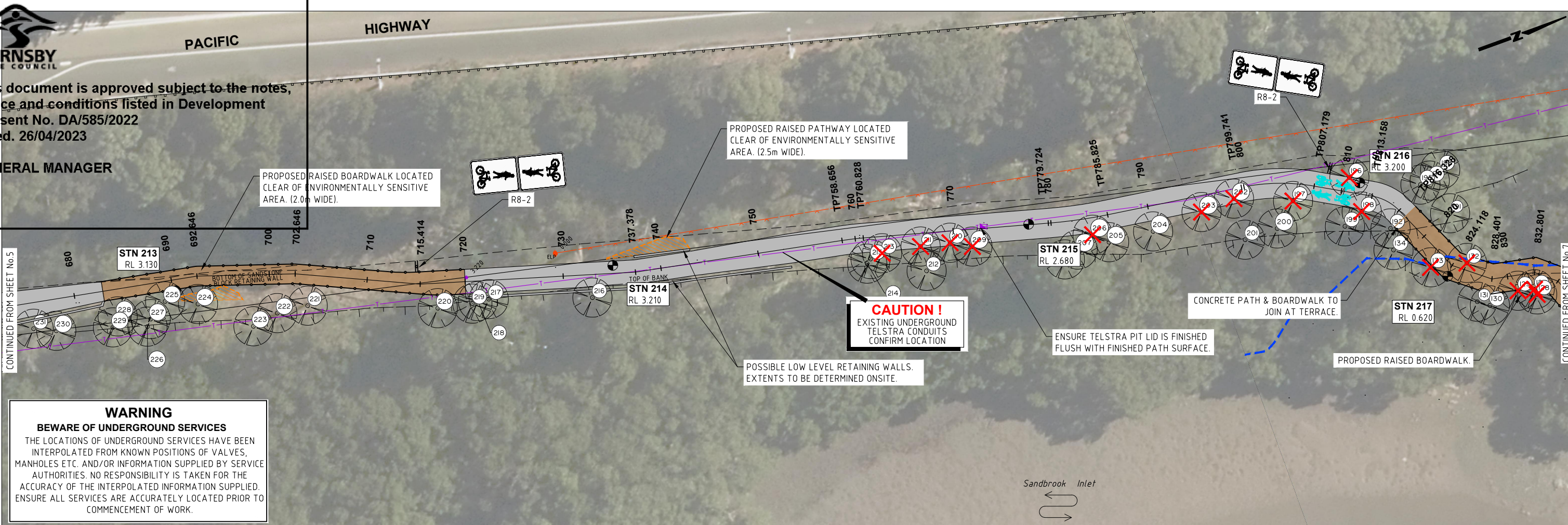
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GENERAL MANAGER

PACIFIC HIGHWAY

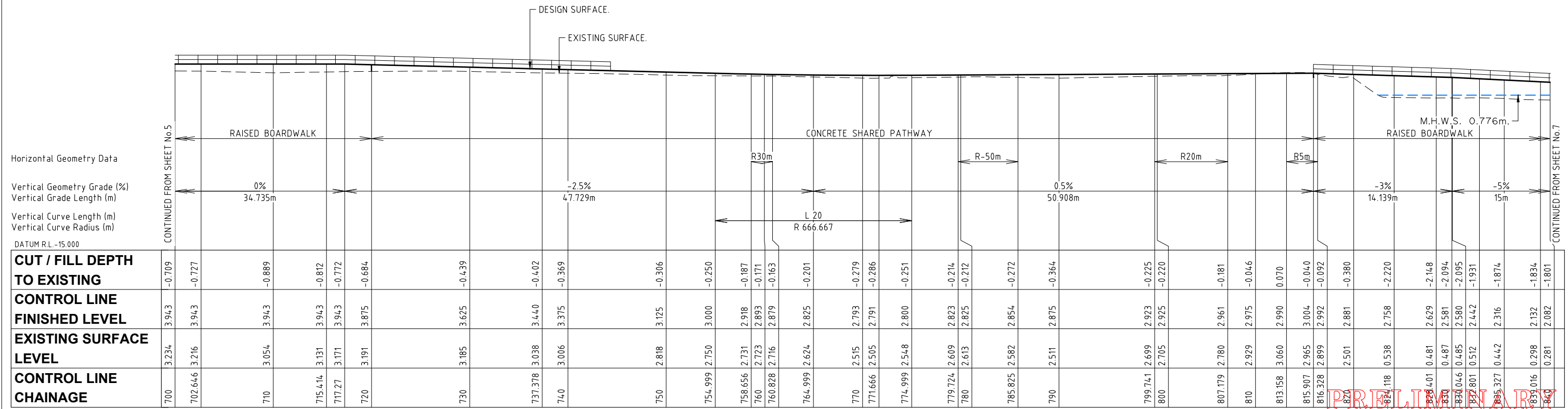
CONTINUED FROM SHEET No.5

CONTINUED FROM SHEET No.7



WARNING
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PLAN
 SCALE 1:200



LONGITUDINAL SECTION - ALIGN CL1
 SCALE 1:200 NATURAL

Hornsby Shire Council
 Design & Construction Branch

Designer S. COMISH	Design Checked-Design Team Leader				
Drawn S. COMISH	Drawn Checked				
Surveyor M. LAWTON	NA	NA	AHD		
Field Book	Level Book	Datum			
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	M. DRAKE		
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TRM Document Number	Issue	Description	Name	Initial	Date
XXX					

Bar Scales

SCALE 1:200
 @ A1

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HORNSBY SHIRE COUNCIL
 PO BOX 37, HORNSBY NSW 1630

BROOKLYN SHARED PATH & BOARDWALK
 SEYMOURS CREEK TO KANGAROO POINT

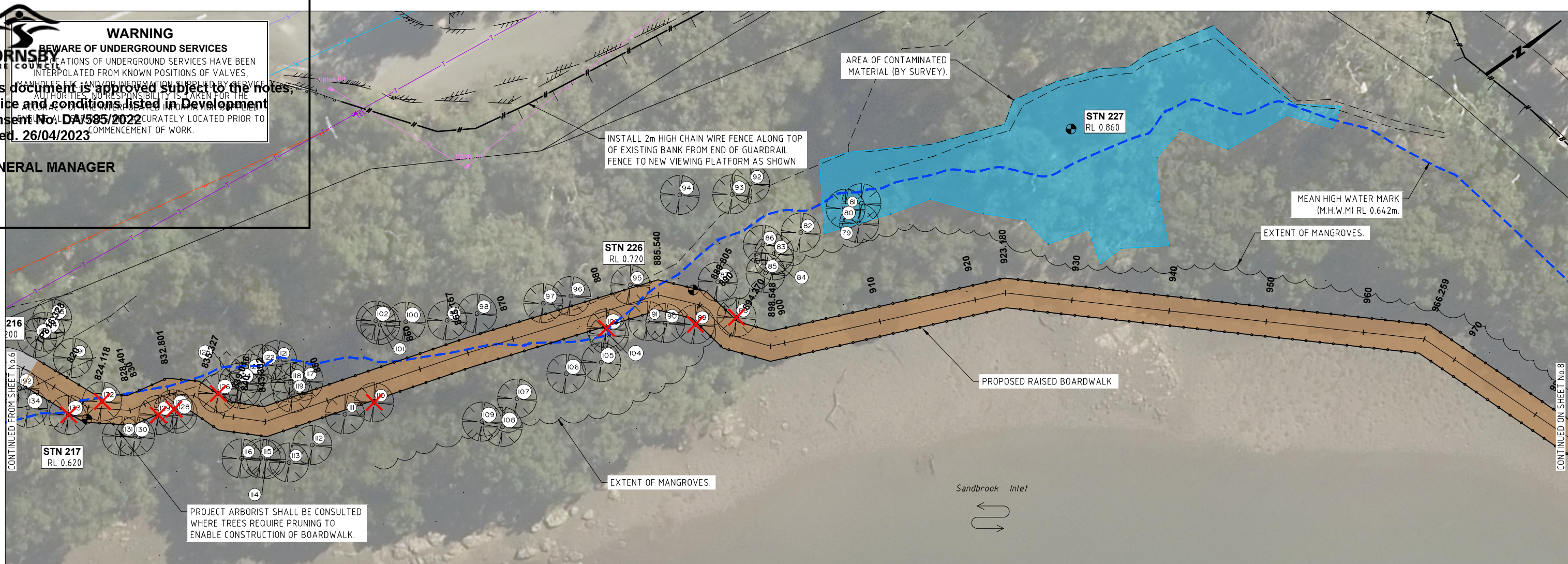
GENERAL WORKS 7 SERVICES PLAN
 PLAN 6 OF 8

Project Number	100277		
Sheet of	13	30	Issue 2
HSC Drawing Number	29.31		

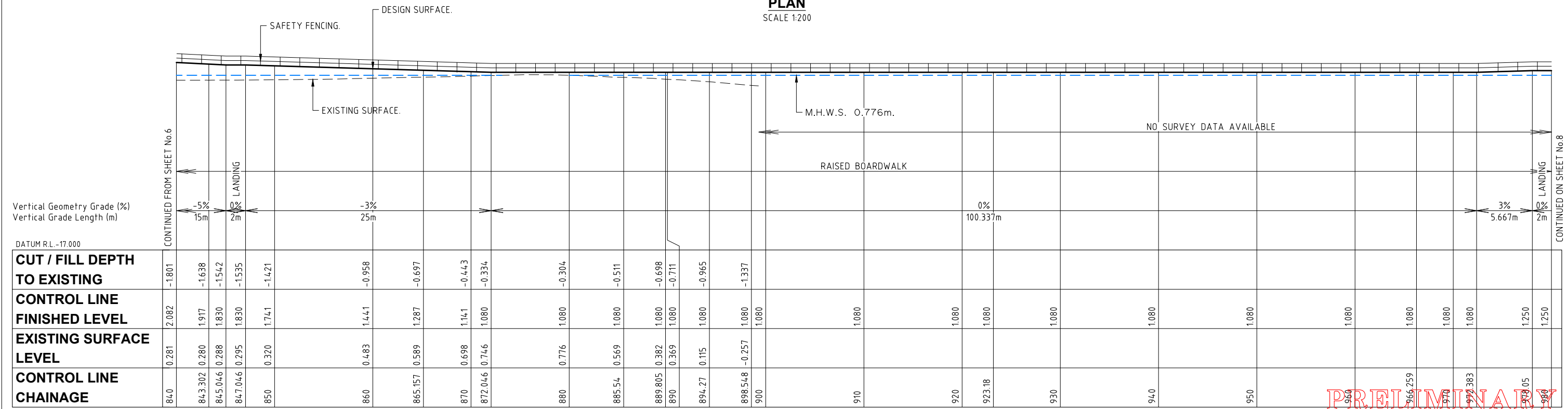
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WARNING
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GENERAL MANAGER



PLAN
 SCALE 1:200

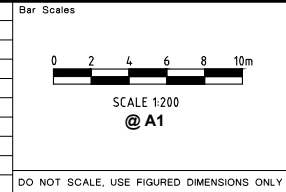


LONGITUDINAL SECTION - ALIGN CL1
 SCALE 1:200 NATURAL

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Hornsby Shire Council
 Design & Construction
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Drawn S. COMISH	Design Checked				
Surveyor M. LAWTON	NA	NA	AHD		
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BROOKLYN SHARED PATH & BOARDWALK
 SEYMOURS CREEK TO KANGAROO POINT

GENERAL WORKS & SERVICES PLAN
 PLAN 7 OF 8

Project Number	100277		
Sheet of	14	30	Issue 2
HSC Drawing Number	29.31		

Authorised for release - Manager Design & Construction
 Name: R. RAJCA Signed: Date:

Design not to be amended without authorisation by Manager Design & Construction

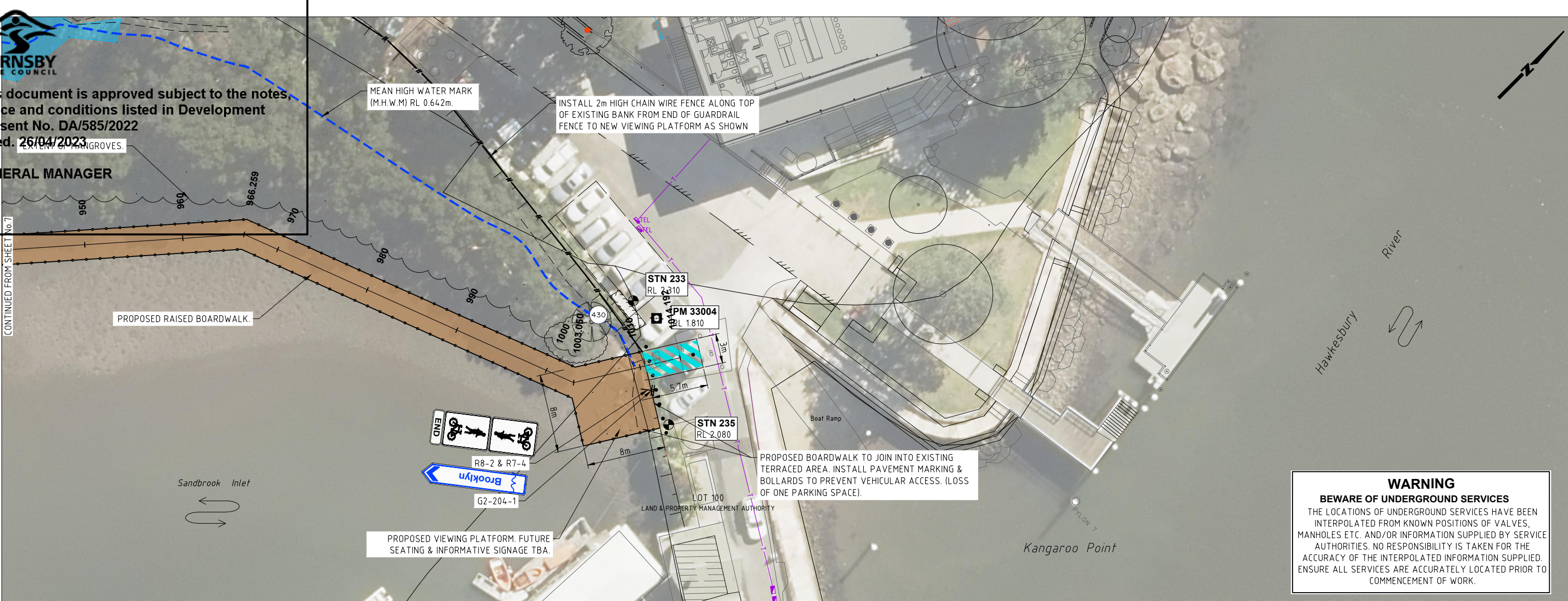
DO NOT SCALE. USE FIGURED DIMENSIONS ONLY



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Dated: 26/04/2023

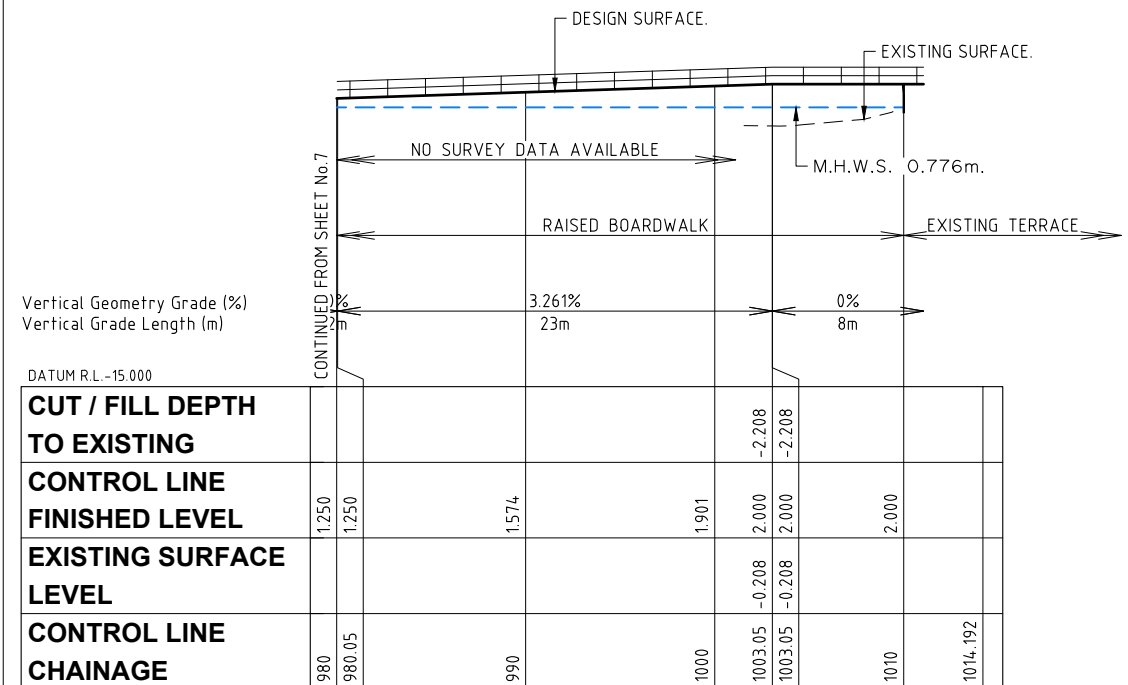
GENERAL MANAGER

CONTINUED FROM SHEET No.7



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM KNOWN POSITIONS OF VALVES, MANHOLES ETC. AND/OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

PLAN
SCALE 1:200



Vertical Geometry Grade (%)
Vertical Grade Length (m)

DATUM R.L. -15.000

CUT / FILL DEPTH TO EXISTING	NO SURVEY DATA AVAILABLE		RAISED BOARDWALK		EXISTING TERRACE	
	980	980.05	990	1000	1003.05	1010
CONTROL LINE FINISHED LEVEL	1.250	1.250	1.574	1.901	2.000	2.000
EXISTING SURFACE LEVEL				-0.208	-0.208	-0.208
CONTROL LINE CHAINAGE	980	980.05	990	1000	1003.05	1010

LONGITUDINAL SECTION - ALIGN CL1
SCALE 1:200 NATURAL

PRELIMINARY
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ISSUED FOR INFORMATION ONLY

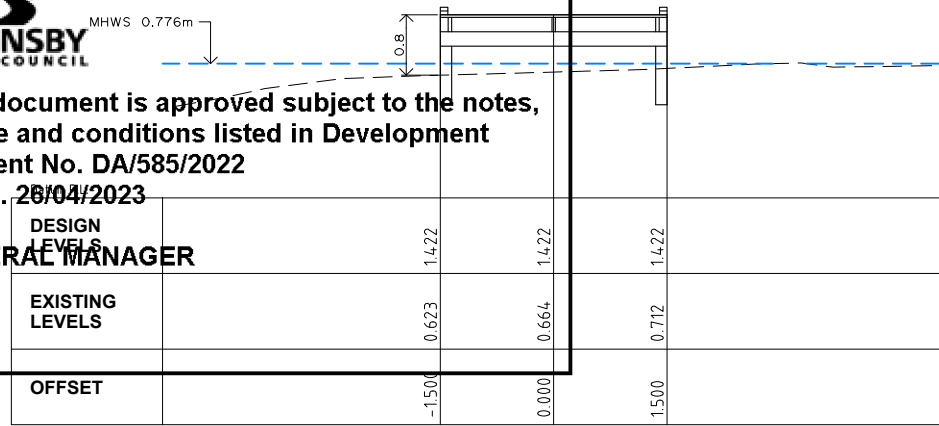
Hornsby Shire Council Design & Construction Branch TELEPHONE: 021 9847 6666 FACSIMILE: 021 9847 6999 Authorised for release - Manager Design & Construction Name: R. RAJCA Signed: Date:	Designer S. COMISH Drawn S. COMISH Surveyor M. LAWTON Project Identifier \ CAD File Name H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg TRIM Document Number XXX	Design Checked-Design Team Leader Signed: Drawing Checked Signed: NA NA AHD Field Book Level Book Datum	2 ISSUED FOR EIS APPROVAL M. DRAKE 1 ISSUED FOR INFORMATION ONLY M. DRAKE Issue Description Name Initial Date	Bar Scales 0 2 4 6 8 10m SCALE 1:200 @ A1 DO NOT SCALE, USE FIGURED DIMENSIONS ONLY	 BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT GENERAL WORKS & SERVICES PLAN PLAN 8 OF 8	Project Number 100277 Sheet of Issue 15 30 2 HSC Drawing Number 29.31
	Design not to be amended without authorisation by Manager Design & Construction					



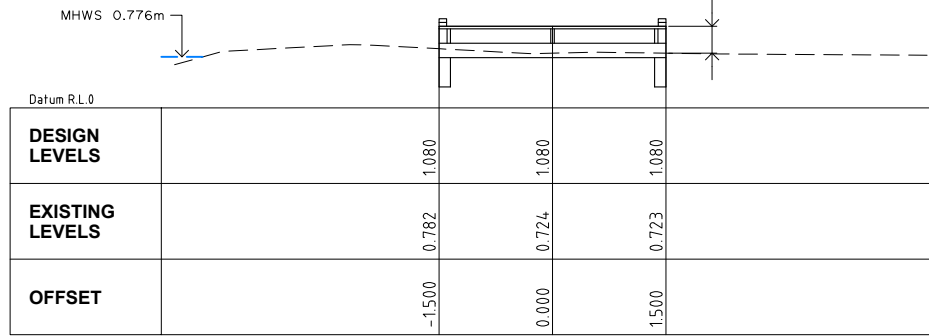
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GENERAL MANAGER

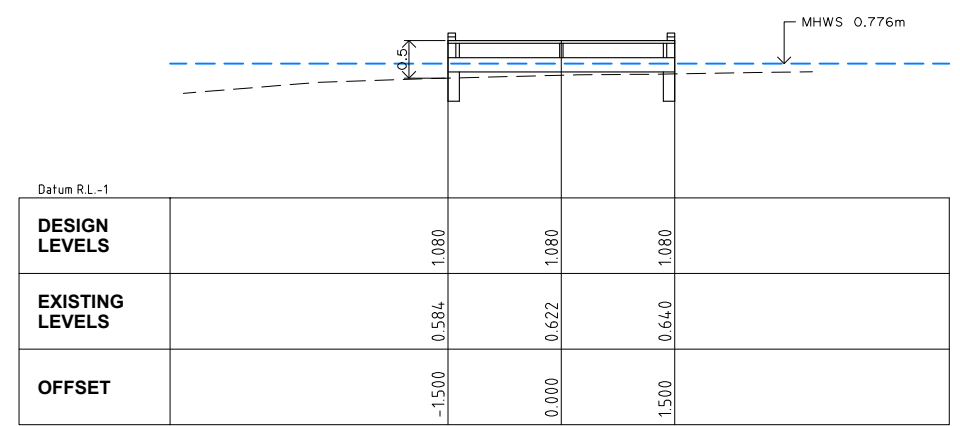
NOTE:
BOARDWALK SHOWN ON CROSS SECTIONS IS INDICATIVE ONLY. ACTUAL STRUCTURE WILL VARY.



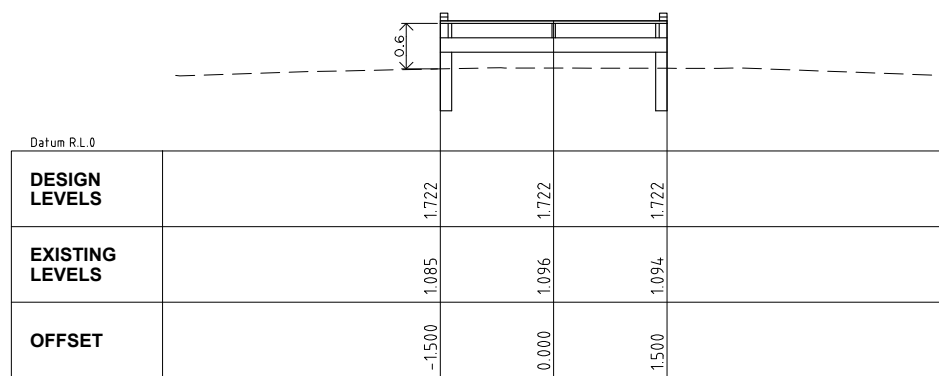
CH 30.000



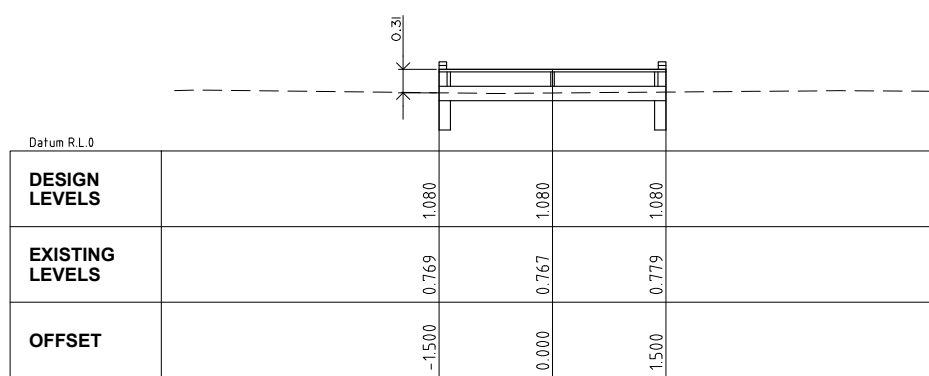
CH 70.000



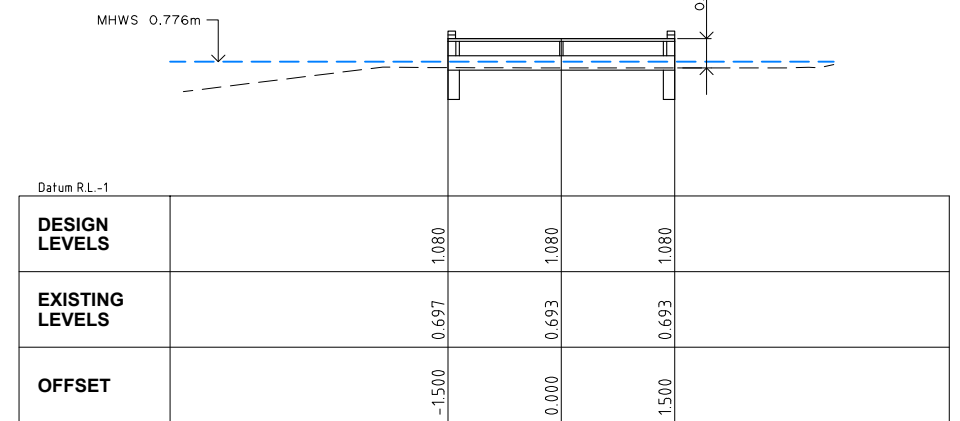
CH 110.000



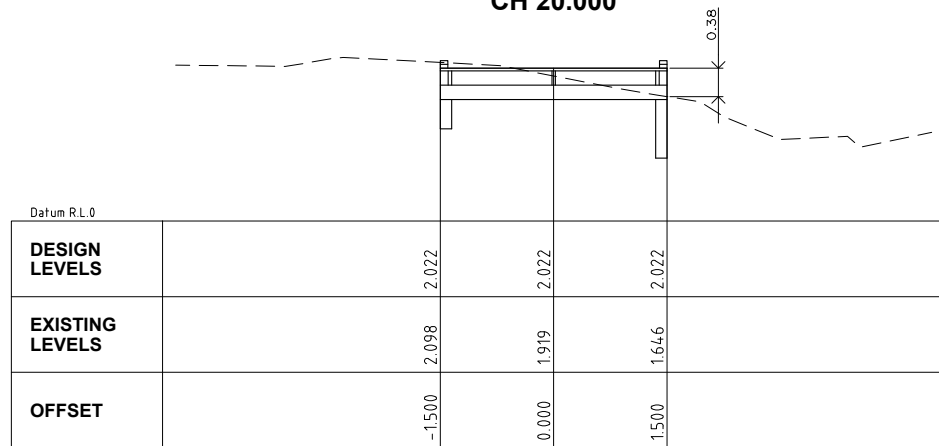
CH 20.000



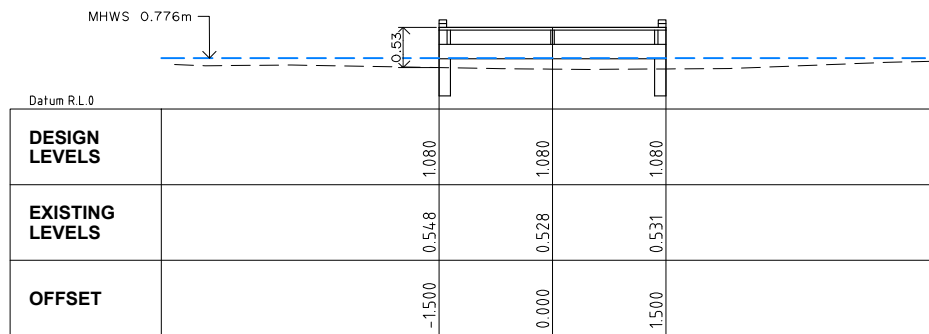
CH 60.000



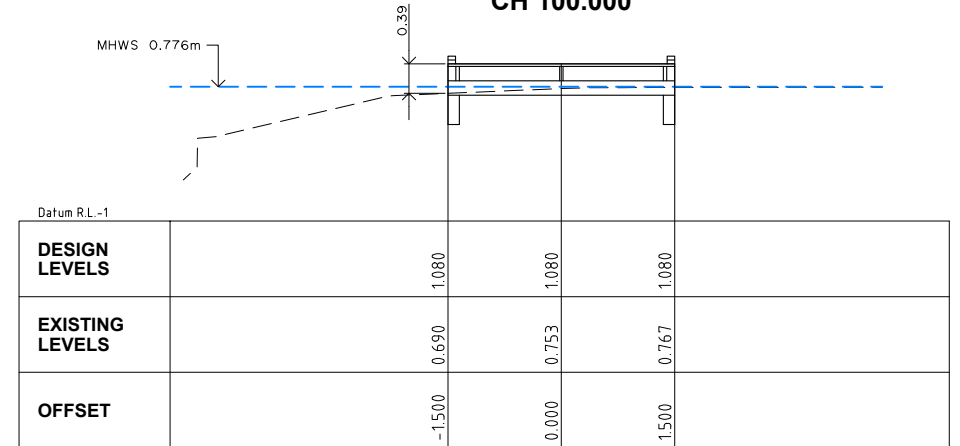
CH 100.000



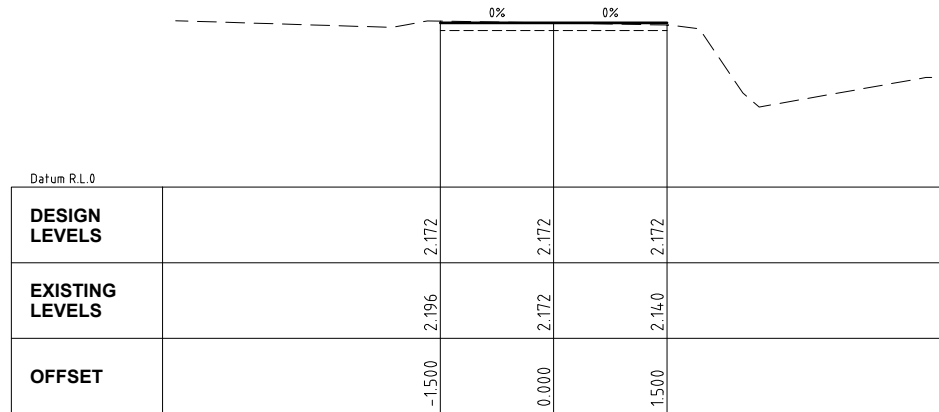
CH 10.000



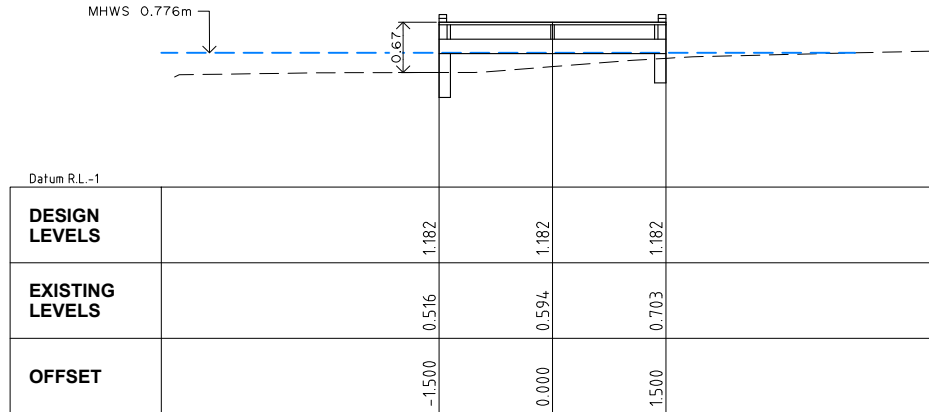
CH 50.000



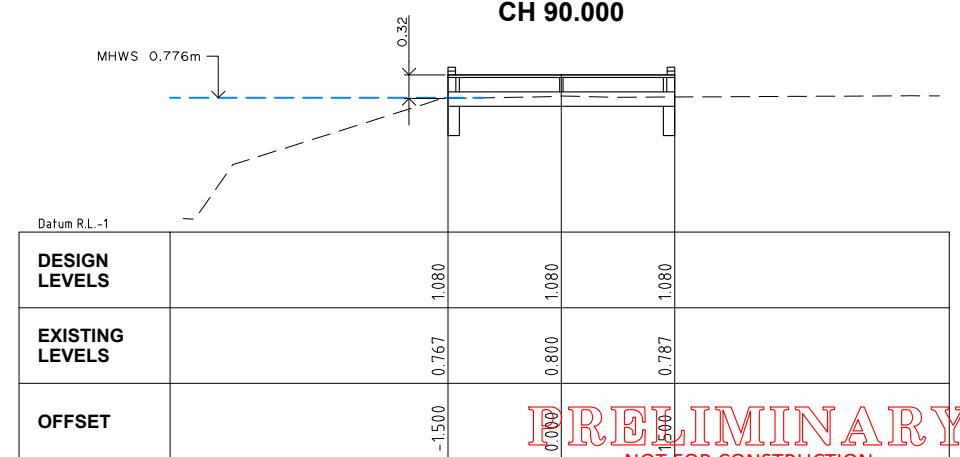
CH 100.000



CH 5.000



CH 40.000



CH 90.000

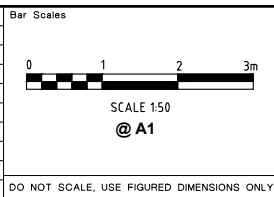
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CH 80.000

**Hornsby Shire Council
Design & Construction
Branch**

Designer	S. COMISH	Design Checked-Design Team Leader	
Drawn	S. COMISH	Signing Checked	
Surveyor	M. LAWTON	NA	NA
Project Identifier\VCAD File Name	H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	2	1
TRIM Document Number	XXX	Issue	Description

Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	M. DRAKE	
TRIM Document Number	1	ISSUED FOR INFORMATION ONLY	M. DRAKE	
Issue	Description	Name	Initial	Date
Design not to be amended without authorisation by Manager Design & Construction				



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH5.000 TO CH110.000

Project Number	100277
Sheet of	16 30
Issue	2
HSC Drawing Number	29.31



This document is approved subject to the notes, advice and conditions listed in Development Consent No. DA/585/2022 Dated 26/04/2023

DESIGN GENERAL MANAGER

DESIGN LEVELS		1.274	1.274	1.274
EXISTING LEVELS		-0.031	0.051	0.134
OFFSET		-1.500	0.000	1.500

DESIGN LEVELS		1.780	1.780	1.780
EXISTING LEVELS		0.143	-0.218	-0.617
OFFSET		-1.500	0.000	1.500

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.053	-0.065	-0.321
OFFSET		-1.500	0.000	1.500

CH 150.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.113	0.210	0.312
OFFSET		-1.500	0.000	1.500

CH 190.000

DESIGN LEVELS		1.920	1.920	1.920
EXISTING LEVELS		-0.642	-0.696	-0.743
OFFSET		-1.500	0.000	1.500

CH 230.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.083	-0.146	-0.585
OFFSET		-1.500	0.000	1.500

CH 140.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.442	0.460	0.476
OFFSET		-1.500	0.000	1.500

CH 180.000

DESIGN LEVELS		1.888	1.888	1.888
EXISTING LEVELS		-0.082	0.051	0.145
OFFSET		-1.500	0.000	1.500

CH 220.000

DESIGN LEVELS		1.180	1.180	1.180
EXISTING LEVELS		0.100	-0.375	-0.586
OFFSET		-1.500	0.000	1.500

CH 130.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.518	0.548	0.558
OFFSET		-1.500	0.000	1.500

CH 170.000

DESIGN LEVELS		1.581	1.581	1.581
EXISTING LEVELS		-0.012	0.121	0.206
OFFSET		-1.500	0.000	1.500

CH 210.000

DESIGN LEVELS		1.480	1.480	1.480
EXISTING LEVELS		0.058	-0.266	-0.615
OFFSET		-1.500	0.000	1.500

CH 120.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.518	0.548	0.558
OFFSET		-1.500	0.000	1.500

CH 160.000

DESIGN LEVELS		1.581	1.581	1.581
EXISTING LEVELS		-0.012	0.121	0.206
OFFSET		-1.500	0.000	1.500

CH 200.000

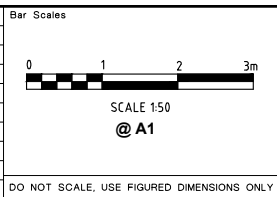
DESIGN LEVELS		1.480	1.480	1.480
EXISTING LEVELS		0.058	-0.266	-0.615
OFFSET		-1.500	0.000	1.500

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**Hornsby Shire Council
Design & Construction
Branch**

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Drawing Checked		
Surveyor M. LAWTON	NA	NA	AHD
Field Book	Level Book	Datum	
Project Identifier\VCAD File Name	2	ISSUED FOR EIS APPROVAL	
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TRM Document Number	XXX	Name	Initial Date

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**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH120.000 TO CH230.000

Project Number 100277	Sheet of 17 30	Issue 2
HSC Drawing Number 29.31		



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GENERAL MANAGER

DESIGN LEVELS		1.080	1.080
EXISTING LEVELS		0.040	-0.060
OFFSET		-1.500	0.000

DESIGN LEVELS		1.276	1.276	1.276
EXISTING LEVELS		-0.102	-0.126	-0.151
OFFSET		-1.500	0.000	1.500

DESIGN LEVELS		2.416	2.416	2.416
EXISTING LEVELS		0.298	0.330	0.339
OFFSET		-1.500	0.000	1.500

CH 270.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		-0.037	-0.117	-0.197
OFFSET		-1.500	0.000	1.500

CH 310.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		-0.051	-0.070	-0.099
OFFSET		-1.500	0.000	1.500

CH 350.000

DESIGN LEVELS		2.116	2.116	2.116
EXISTING LEVELS		0.087	0.081	0.071
OFFSET		-1.500	0.000	1.500

CH 260.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		-0.046	-0.115	-0.239
OFFSET		-1.500	0.000	1.500

CH 300.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.071	0.009	-0.050
OFFSET		-1.500	0.000	1.500

CH 340.000

DESIGN LEVELS		1.876	1.876	1.876
EXISTING LEVELS		0.031	0.018	0.017
OFFSET		-1.500	0.000	1.500

CH 250.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		-0.036	-0.090	-0.234
OFFSET		-1.500	0.000	1.500

CH 290.000

DESIGN LEVELS		1.080	1.080	1.080
EXISTING LEVELS		0.045	-0.051	-0.224
OFFSET		-1.500	0.000	1.500

CH 330.000

DESIGN LEVELS		1.576	1.576	1.576
EXISTING LEVELS		-0.038	-0.039	-0.031
OFFSET		-1.500	0.000	1.500

CH 240.000

CH 280.000

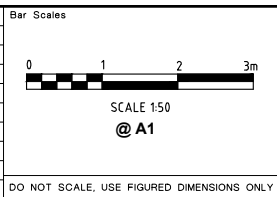
CH 320.000

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**Hornsby Shire Council
Design & Construction
Branch**

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Drawing Checked		
Surveyor M. LAWTON	NA	NA	AHD
Field Book	Level Book	Datum	
Project Identifier\VCAD File Name	2		
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TRM Document Number	XXX		

ISSUED FOR EIS APPROVAL	M. DRAKE		
ISSUED FOR INFORMATION ONLY	M. DRAKE		
Issue	Name	Initial	Date
Design not to be amended without authorisation by Manager Design & Construction			



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH240.000 TO CH350.000

Project Number	100277	
Sheet of	18	30
Issue	2	
HSC Drawing Number	29.31	



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GENERAL MANAGER

DESIGN LEVELS		2.331	2.311	2.298	2.261
EXISTING LEVELS		2.331	1.805	1.790	1.775
OFFSET		-2.800	-2.000	-1.500	0.000

CH 375.835

DESIGN LEVELS		2.600	2.587	2.550	1.952
EXISTING LEVELS		2.602	2.262	2.297	1.952
OFFSET		-2.000	-1.500	0.000	3.642

CH 370.000

DESIGN LEVELS		2.697	2.685	2.647	2.131
EXISTING LEVELS		2.873	2.827	2.642	2.131
OFFSET		-2.000	-1.500	0.000	3.399

CH 368.048

DESIGN LEVELS		2.909	2.765	2.753	2.075
EXISTING LEVELS		2.909	2.856	2.794	2.075
OFFSET		-2.432	-2.000	-1.500	0.000

CH 360.000

DESIGN LEVELS		2.029	2.009	1.996	1.959
EXISTING LEVELS		2.029	1.457	1.481	1.959
OFFSET		-2.814	-2.000	-1.500	0.000

CH 400.000

DESIGN LEVELS		1.948	1.936	1.886	1.848
EXISTING LEVELS		1.948	1.685	1.694	1.836
OFFSET		-2.489	-2.000	-1.500	2.381

CH 390.000

DESIGN LEVELS		2.161	2.142	2.092	2.055
EXISTING LEVELS		2.161	1.713	1.721	2.042
OFFSET		-2.783	-2.000	-1.500	0.000

CH 380.000

DESIGN LEVELS		2.226	2.203	2.153	2.115
EXISTING LEVELS		2.226	1.716	1.725	2.103
OFFSET		-2.9464	-2.000	-1.500	0.000

CH 378.352

DESIGN LEVELS		2.532	2.479	2.466	2.429
EXISTING LEVELS		2.532	2.547	2.500	2.391
OFFSET		-2.159	-2.000	-1.500	0.000

CH 423.484

DESIGN LEVELS		2.137	2.409	2.396	2.359
EXISTING LEVELS		2.137	2.170	2.191	2.321
OFFSET		-2.817	-2.000	-1.500	0.000

CH 420.000

DESIGN LEVELS		2.370	2.357	2.345	2.307
EXISTING LEVELS		2.370	2.281	2.270	2.236
OFFSET		-2.526	-2.000	-1.500	0.000

CH 417.412

DESIGN LEVELS		2.011	2.209	2.196	2.159
EXISTING LEVELS		2.011	1.592	1.585	1.643
OFFSET		-2.593	-2.000	-1.500	0.000

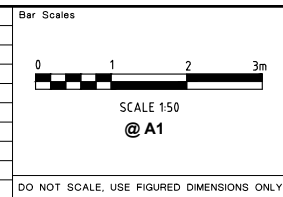
CH 410.000

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Design & Construction
Branch**

Designer	S. COMISH	Design Checked-Design Team Leader	
Drawn	S. COMISH	Drawing Checked	
Surveyor	M. LAWTON	NA	NA
Field Book		Level Book	AHD
Project Identifier\VCAD File Name		2	ISSUED FOR EIS APPROVAL
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TRIM Document Number	XXX	Issue	Description
Name	R. RAJCA	Signed	Date

Issue	Description	Name	Initial	Date
2	ISSUED FOR EIS APPROVAL	M. DRAKE		
1	ISSUED FOR INFORMATION ONLY	M. DRAKE		



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH360.000 TO CH423.484

Project Number	100277	
Sheet of	19	30
Issue	2	
HSC Drawing Number	29.31	

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GENERAL MANAGER

DESIGN LEVELS		1.455		2.153	2.140	2.103
EXISTING LEVELS		1.455	1.533	1.569	1.674	1.683
OFFSET		-4.092	-2.000	-1.500	0.000	1.500

CH 441.407

DESIGN LEVELS		1.476		2.195	2.182	2.145
EXISTING LEVELS		1.476	1.539	1.557	1.657	1.633
OFFSET		-4.157	-2.000	-1.500	0.000	1.500

CH 440.000

DESIGN LEVELS		1.516		2.339	2.327	2.289
EXISTING LEVELS		1.516	1.745	1.791	1.817	1.764
OFFSET		-4.469	-2.000	-1.500	0.000	1.500

CH 435.191

DESIGN LEVELS		2.920		2.495	2.482	2.445
EXISTING LEVELS		2.920	2.713	2.648	2.610	2.143
OFFSET		-3.277	-2.000	-1.500	0.000	1.500

CH 430.000

DESIGN LEVELS		1.815		1.789	1.776	1.739
EXISTING LEVELS		1.815	1.812	1.792	1.732	1.683
OFFSET		-2.079	-2.000	-1.500	0.000	1.500

CH 465.633

DESIGN LEVELS		1.836		1.804	1.792	1.754
EXISTING LEVELS		1.836	1.831	1.808	1.741	1.713
OFFSET		-2.094	-2.000	-1.500	0.000	1.500

CH 462.785

DESIGN LEVELS		1.822		1.820	1.807	1.770
EXISTING LEVELS		1.822	1.820	1.799	1.733	1.710
OFFSET		-2.007	-2.000	-1.500	0.000	1.500

CH 460.000

DESIGN LEVELS		1.970		1.946	1.934	1.896
EXISTING LEVELS		1.970	1.889	1.845	1.720	1.700
OFFSET		-2.943	-2.000	-1.500	0.000	1.500

CH 450.000

DESIGN LEVELS		1.542		1.639	1.627	1.589
EXISTING LEVELS		1.542	1.538	1.531	1.536	1.552
OFFSET		-2.291	-2.000	-1.500	0.000	1.500

CH 500.000

DESIGN LEVELS		1.561		1.658	1.646	1.608
EXISTING LEVELS		1.561	1.561	1.560	1.563	1.571
OFFSET		-2.292	-2.000	-1.500	0.000	1.500

CH 490.000

DESIGN LEVELS		1.784		1.710	1.698	1.660
EXISTING LEVELS		1.784	1.770	1.737	1.646	1.623
OFFSET		-2.222	-2.000	-1.500	0.000	1.500

CH 480.000

DESIGN LEVELS		1.771		1.765	1.752	1.715
EXISTING LEVELS		1.771	1.771	1.750	1.695	1.648
OFFSET		-2.019	-2.000	-1.500	0.000	1.500

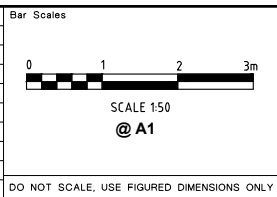
CH 470.000

PRELIMINARY
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Hornsby Shire Council
Design & Construction
Branch

Designer	S. COMISH	Design Checked-Design Team Leader	
Drawn	S. COMISH	Drawn Checked	
Surveyor	M. LAWTON	NA	NA
		Field Book	Level Book
		AHD	Datum
Project Identifier\VCAD File Name	2 ISSUED FOR EIS APPROVAL		
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1 ISSUED FOR INFORMATION ONLY		
TRIM Document Number	XXX	Issue	Description
		Name	Initial Date

Authorised for release - Manager Design & Construction	Name: R. RAJCA	Signed:	Date:
Design not to be amended without authorisation by Manager Design & Construction			



BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

CL1 CROSS SECTIONS - CH430.000 TO CH500.000

Project Number	100277		
Sheet of	20	30	Issue 2
HSC Drawing Number	29.31		



This document is approved subject to the notes, advice and conditions listed in Development Consent No. DA/585/2022 Dated. 26/04/2023

DESIGN MANAGER
GENERAL MANAGER

DESIGN LEVELS	1605	1605	1605	1605	1709		
EXISTING LEVELS	1605	1601	1604	1617	1619	1619	1619
OFFSET	-2.468	-2.000	-1500	0.000	1500	2.000	2.120

CH 522.578

Datum RL.1

DESIGN LEVELS	2068	1933	1920	1883	1845	1833	1742
EXISTING LEVELS	2068	2034	1992	1890	1792	1760	1742
OFFSET	-2.405	-2.000	-1500	0.000	1500	2.000	2.271

CH 540.000

Datum RL.1

DESIGN LEVELS	2230	2218	2180	2143	2130	2061
EXISTING LEVELS	2339	2229	2172	2107	2075	2061
OFFSET	-2.000	-1500	0.000	1500	2.000	2.208

CH 575.976

Datum RL.1

DESIGN LEVELS	1518	1734	1722	1684	1647	1634	1605
EXISTING LEVELS	1518	1537	1556	1596	1602	1605	1605
OFFSET	-2.650	-2.000	-1500	0.000	1500	2.000	2.088

CH 520.000

Datum RL.1

DESIGN LEVELS	2062	1931	1919	1881	1844	1831	1727
EXISTING LEVELS	2062	2030	1988	1877	1780	1748	1727
OFFSET	-2.393	-2.000	-1500	0.000	1500	2.000	2.312

CH 539.846

Datum RL.1

DESIGN LEVELS	2251	2216	2166	2129	2116	1923
EXISTING LEVELS	2251	2243	2082	1987	1957	1923
OFFSET	-2.105	-2.000	0.000	1500	2.000	2.579

CH 570.000

Datum RL.0

DESIGN LEVELS	1576	1664	1652	1614	1577	1564
EXISTING LEVELS	1576	1557	1535	1511	1504	1564
OFFSET	-2.265	-2.000	-1500	0.000	1500	2.000

CH 510.000

Datum RL.1

DESIGN LEVELS	1845	1845	1855	1818	1780	1768	1629
EXISTING LEVELS	1845	1844	1842	1796	1689	1651	1629
OFFSET	-2.070	-2.000	-1500	0.000	1500	2.000	2.417

CH 533.484

Datum RL.1

DESIGN LEVELS	2133	2120	2082	2045	2032	1841
EXISTING LEVELS	2133	2057	1947	1880	1859	1841
OFFSET	-2.056	-1500	0.000	1500	2.000	2.572

CH 560.000

Datum RL.1

DESIGN LEVELS	1587	1657	1644	1607	1569	1557
EXISTING LEVELS	1587	1576	1549	1523	1502	1557
OFFSET	-2.210	-2.000	-1500	0.000	1500	2.000

CH 508.356

Datum RL.1

DESIGN LEVELS	1768	1833	1821	1783	1746	1733	1731
EXISTING LEVELS	1768	1766	1762	1756	1750	1738	1731
OFFSET	-2.197	-2.000	-1500	0.000	1500	2.000	2.090

CH 530.000

Datum RL.1

DESIGN LEVELS	2039	2020	1982	1945	1932	1880
EXISTING LEVELS	2039	1974	1892	1884	1881	1880
OFFSET	-2.295	-1500	0.000	1500	2.000	2.455

CH 550.000

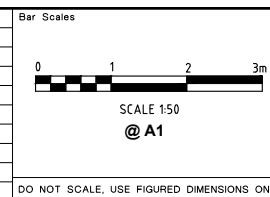
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Design & Construction
Branch**

Designer	S. COMISH	Design Checked-Design Team Leader			
Drawn	S. COMISH	Drawing Checked			
Surveyor	M. LAWTON	NA	NA	AHD	
Field Book		Level Book		Datum	
Project Identifier\CAD File Name	2 ISSUED FOR EIS APPROVAL M. DRAKE				
H:\Brooklyn Rd Boardwalk_TR_12012\Design\Concept Design 2021.dwg	1 ISSUED FOR INFORMATION ONLY M. DRAKE				
TRM Document Number	XXX Issue Description Name Initial Date				

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

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**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH508.356 TO CH575.976

Project Number	100277		
Sheet of	21	30	Issue 2
HSC Drawing Number	29.31		



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GENERAL MANAGER

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.169	2.169	-3.466
2.132	1.859	-2.000
2.120	1.854	-1.500
2.082	1.836	0.000

CH 594.814

DESIGN LEVELS	EXISTING LEVELS	OFFSET
1.972	1.972	-2.690
2.202	1.979	-2.000
2.190	1.992	-1.500
2.152	1.986	0.000
2.115	2.031	1.500
2.102	2.032	2.000
2.033	2.033	2.209

CH 621.408

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.861	2.861	-3.071
2.834	2.519	-2.000
2.821	2.398	-1.500
2.784	2.380	0.000
2.746	2.341	1.500
2.734	2.313	2.000
2.211	2.211	3.568

CH 643.024

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.184	2.184	-2.801
2.164	1.922	-2.000
2.152	1.887	-1.500
2.114	1.856	0.000
2.077	1.870	1.500
2.064	1.862	2.000
1.853	1.853	2.633

CH 590.000

DESIGN LEVELS	EXISTING LEVELS	OFFSET
1.935	1.935	-2.710
2.171	1.967	-2.000
2.159	1.975	-1.500
2.121	1.994	0.000
2.084	1.981	1.500
2.071	1.982	2.000
1.982	1.982	2.267

CH 620.000

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.755	2.755	-2.435
2.744	2.543	-2.000
2.731	2.434	-1.500
2.694	2.425	0.000
2.656	2.334	1.500
2.644	2.314	2.000
2.239	2.239	3.214

CH 640.000

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.227	2.227	-2.182
2.211	2.172	-1.500
2.173	2.061	0.000
2.136	2.024	1.500
2.123	2.018	2.000
2.014	2.014	2.327

CH 580.090

DESIGN LEVELS	EXISTING LEVELS	OFFSET
1.908	1.908	-2.442
2.056	1.903	-2.000
2.043	1.897	-1.500
2.006	1.963	0.000
1.968	1.944	1.500
1.956	1.929	2.000
1.927	1.927	2.086

CH 610.000

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.521	2.521	-2.302
2.513	2.430	-2.000
2.500	2.280	-1.500
2.463	2.125	0.000
2.425	2.070	1.500
2.413	2.014	2.000
1.816	1.816	3.790

CH 632.240

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.227	2.227	-2.163
2.211	2.174	-1.500
2.174	2.064	0.000
2.136	2.021	1.500
2.124	2.015	2.000
2.012	2.012	2.336

CH 580.000

DESIGN LEVELS	EXISTING LEVELS	OFFSET
1.832	1.832	-2.798
2.098	1.848	-2.000
2.086	1.859	-1.500
2.048	1.841	0.000
2.011	1.782	1.500
1.998	1.769	2.000
1.749	1.749	2.748

CH 600.000

DESIGN LEVELS	EXISTING LEVELS	OFFSET
2.463	2.463	-2.659
2.446	2.265	-2.000
2.434	2.115	-1.500
2.396	2.032	0.000
2.359	1.977	1.500
2.346	1.959	2.000
1.868	1.868	3.434

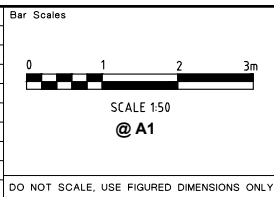
CH 630.000

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Design & Construction
Branch**

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Signed:		
Surveyor M. LAWTON	NA	NA	AHD
	Field Book	Level Book	Datum
Project Identifier\VCAD File Name	2		
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TRIM Document Number	XXX		

ISSUED FOR EIS APPROVAL	M. DRAKE		
ISSUED FOR INFORMATION ONLY	M. DRAKE		
Issue	Description	Name	Initial Date



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH580.000 TO CH643.024

Project Number	100277	
Sheet of	22	30
Issue	2	
HSC Drawing Number	29.31	

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

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GENERAL MANAGER

DESIGN LEVELS		3.435	3.435		
EXISTING LEVELS		3.435	3.436	3.356	3.319
OFFSET		-2.194	-2.000	-1.500	0.000

CH 661.014

DESIGN LEVELS		3.339	3.326	3.289	3.251	3.239
EXISTING LEVELS		3.511	3.435	3.449	3.429	3.227
OFFSET		-2.000	-1.500	0.000	1.500	2.000

CH 660.000

DESIGN LEVELS		3.149	3.136	3.099	3.061	3.049
EXISTING LEVELS		3.568	3.319	2.695	2.498	2.398
OFFSET		-2.000	-1.500	0.000	1.500	2.000

CH 653.618

DESIGN LEVELS		3.089	3.041	3.029	2.991	2.954	2.941
EXISTING LEVELS		3.089	2.749	2.674	2.533	2.468	2.452
OFFSET		-3.936	-2.000	-1.500	0.000	1.500	2.000

CH 650.000

DESIGN LEVELS		3.943	3.943	3.943
EXISTING LEVELS		3.583	3.234	3.147
OFFSET		-1.000	0.000	1.000

CH 700.000

DESIGN LEVELS		3.943	3.943	3.943
EXISTING LEVELS		3.609	3.212	3.071
OFFSET		-1.000	0.000	1.000

CH 690.000

DESIGN LEVELS		3.946	3.925	3.913	3.884	3.855	3.843
EXISTING LEVELS		3.946	3.426	3.185	3.084	3.011	2.978
OFFSET		-2.493	-1.647	-1.147	0.000	1.147	1.647

CH 680.000

DESIGN LEVELS		3.649	3.636	3.624	3.586	3.549	3.536
EXISTING LEVELS		3.649	3.341	3.302	3.165	3.186	3.204
OFFSET		-2.508	-2.000	-1.500	0.000	1.500	2.000

CH 670.000

DESIGN LEVELS		3.425	3.412	3.375	3.343	3.331
EXISTING LEVELS		3.159	3.123	3.006	2.853	3.343
OFFSET		-1.615	-1.250	0.000	1.250	1.750

CH 740.000

DESIGN LEVELS		3.505	3.668	3.656	3.625	3.593	3.581
EXISTING LEVELS		3.505	3.418	3.342	3.185	3.050	2.870
OFFSET		-2.645	-1.750	-1.250	0.000	1.250	1.750

CH 730.000

DESIGN LEVELS		3.875	3.875	3.875	3.875
EXISTING LEVELS		3.271	3.191	3.108	3.875
OFFSET		-1.250	0.000	1.250	0.000

CH 720.000

DESIGN LEVELS		3.943	3.943	3.943
EXISTING LEVELS		3.169	3.054	3.017
OFFSET		-1.000	0.000	1.000

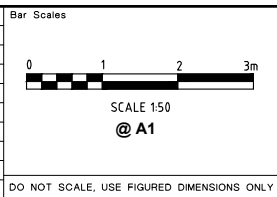
CH 710.000

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Branch**

Designer	S. COMISH	Design Checked-Design Team Leader	
Drawn	S. COMISH	Drawn Checked	
Surveyor	M. LAWTON	NA	NA
Project Identifier\VCAD File Name	H:\Brooklyn Rd Boardwalk_TR_12012\Design\Concept Design 2021.dwg	AHD	2
TRM Document Number	XXX	Issue	1

ISSUED FOR EIS APPROVAL	M. DRAKE			
ISSUED FOR INFORMATION ONLY	M. DRAKE			
Issue	Description	Name	Initial	Date



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH650.000 TO CH740.000

Project Number	100277	
Sheet of	23	30
Issue	2	
HSC Drawing Number	29.31	

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

Design not to be amended without authorisation by Manager Design & Construction



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GENERAL MANAGER

DESIGN LEVELS			2.940	2.919	2.882	2.844	2.832	2.795
EXISTING LEVELS			2.940	2.726	2.716	2.787	2.791	2.795
OFFSET			-2.34	-1.500	0.000	1.500	2.000	2.111

CH 760.828

DESIGN LEVELS				2.805	2.956	2.943	2.906	2.868	2.856	2.708
EXISTING LEVELS				2.805	2.728	2.680	2.582	2.673	2.691	2.708
OFFSET				-2.454	-2.000	-1.500	0.000	1.500	2.000	2.445

CH 785.825

DESIGN LEVELS				2.907	3.116	3.103	3.066	3.028	3.016	2.627
EXISTING LEVELS				2.907	2.883	2.863	2.780	2.705	2.680	2.627
OFFSET				-2.626	-2.000	-1.500	0.000	1.500	2.000	3.166

CH 807.179

DESIGN LEVELS			2.953	2.932	2.895	2.857	2.845	2.782
EXISTING LEVELS			2.953	2.734	2.723	2.760	2.776	2.782
OFFSET			-2.315	-1.500	0.000	1.500	2.000	2.190

CH 760.000

DESIGN LEVELS				2.747	2.912	2.900	2.862	2.825	2.812	2.662
EXISTING LEVELS				2.747	2.758	2.735	2.613	2.639	2.651	2.662
OFFSET				-2.495	-2.000	-1.500	0.000	1.500	2.000	2.450

CH 780.000

DESIGN LEVELS				3.003	3.062	3.050	3.012	2.975	2.962	2.601
EXISTING LEVELS				3.003	2.896	2.814	2.705	2.608	2.626	2.601
OFFSET				-2.177	-2.000	-1.500	0.000	1.500	2.000	3.082

CH 800.000

DESIGN LEVELS			2.977	2.957	2.919	2.882	2.869	2.762
EXISTING LEVELS			2.977	2.746	2.731	2.736	2.752	2.762
OFFSET			-2.331	-1.500	0.000	1.500	2.000	2.321

CH 758.656

DESIGN LEVELS				2.742	2.910	2.898	2.860	2.823	2.810	2.657
EXISTING LEVELS				2.742	2.753	2.735	2.609	2.634	2.646	2.657
OFFSET				-2.505	-2.000	-1.500	0.000	1.500	2.000	2.458

CH 779.724

DESIGN LEVELS				2.999	3.060	3.048	3.010	2.973	2.960	2.585
EXISTING LEVELS				2.999	2.888	2.808	2.699	2.610	2.628	2.585
OFFSET				-2.183	-2.000	-1.500	0.000	1.500	2.000	3.125

CH 799.741

DESIGN LEVELS			3.045	3.177	3.164	3.125	3.089	3.077
EXISTING LEVELS			3.045	3.015	2.965	2.818	2.783	2.779
OFFSET			-2.390	-1.920	-1.420	0.000	1.420	1.920

CH 750.000

DESIGN LEVELS				2.671	2.857	2.845	2.807	2.770	2.757	2.633
EXISTING LEVELS				2.671	2.611	2.585	2.515	2.709	2.665	2.633
OFFSET				-2.558	-2.000	-1.500	0.000	1.500	2.000	2.375

CH 770.000

DESIGN LEVELS				2.846	2.987	2.975	2.937	2.900	2.887	2.589
EXISTING LEVELS				2.846	2.703	2.654	2.511	2.568	2.587	2.589
OFFSET				-2.424	-2.000	-1.500	0.000	1.500	2.000	2.894

CH 790.000

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Design & Construction
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Designer	S. COMISH	Design Checked-Design Team Leader	
Drawn	S. COMISH	Drawing Checked	
Surveyor	M. LAWTON	NA	NA
		Field Book	Level Book
		AHD	Datum
Project Identifier\VCAD File Name	2 ISSUED FOR EIS APPROVAL M. DRAKE		
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1 ISSUED FOR INFORMATION ONLY M. DRAKE		
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**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH750.000 TO CH807.179

Project Number	100277		
Sheet of	24	30	Issue 2
HSC Drawing Number	29.31		

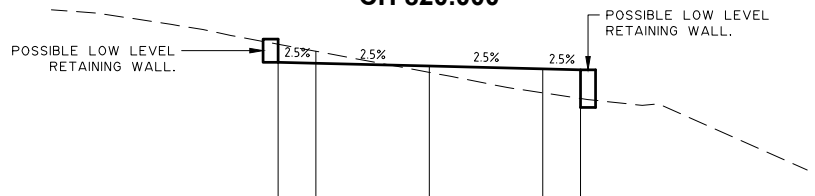


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GENERAL MANAGER

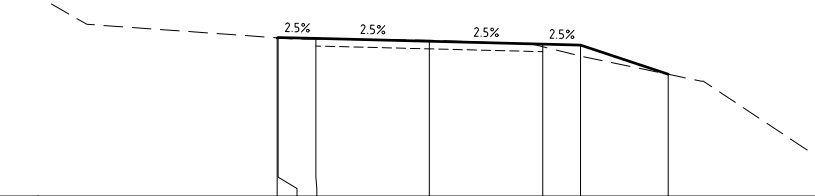
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EXISTING LEVELS						
OFFSET						

CH 820.000



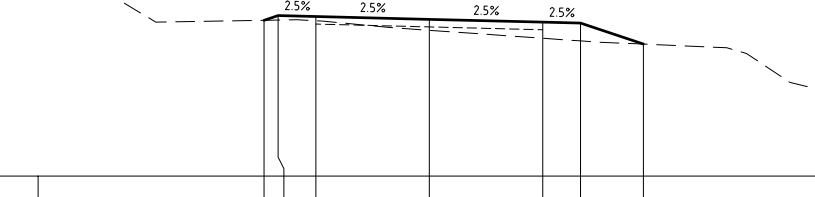
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EXISTING LEVELS						
OFFSET						

CH 816.328



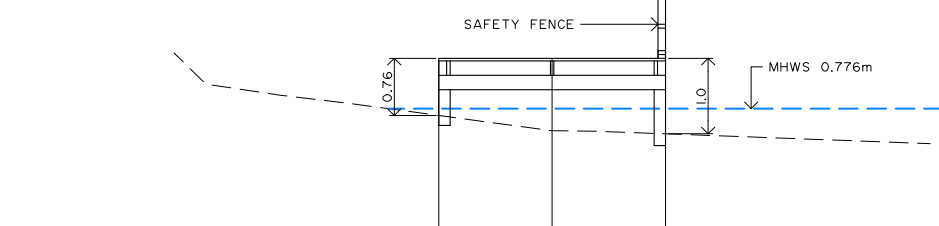
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CH 813.158



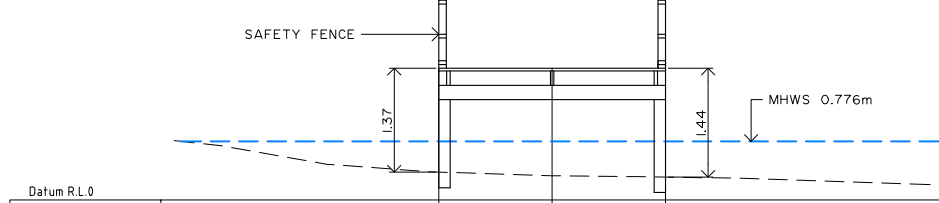
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EXISTING LEVELS						
OFFSET						

CH 810.000



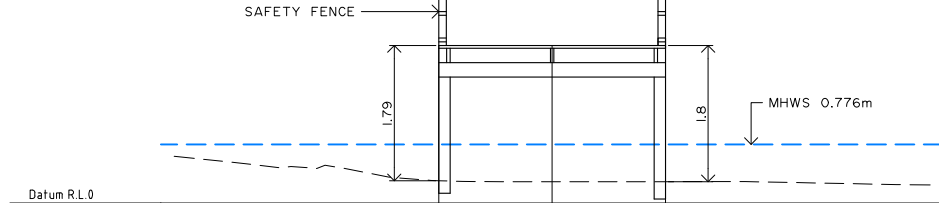
DESIGN LEVELS			
EXISTING LEVELS			
OFFSET			

CH 860.000



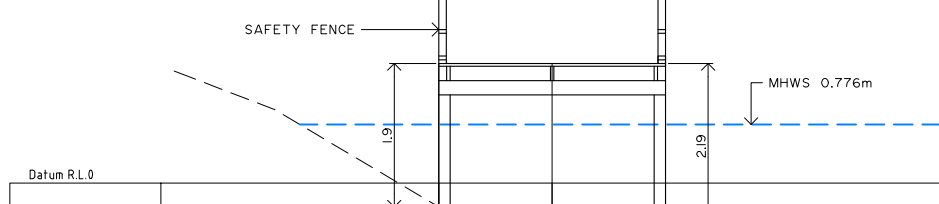
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EXISTING LEVELS			
OFFSET			

CH 850.000



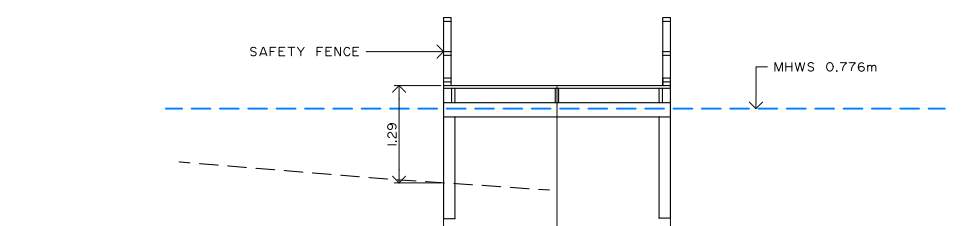
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EXISTING LEVELS			
OFFSET			

CH 840.000



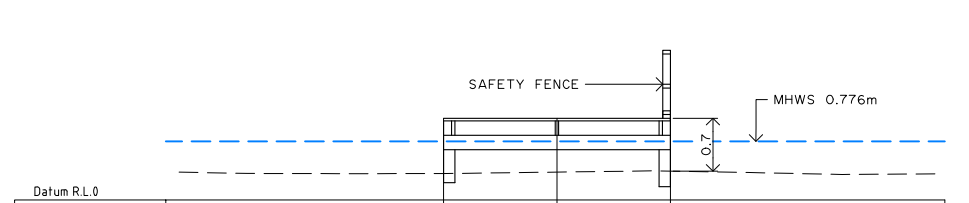
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EXISTING LEVELS			
OFFSET			

CH 830.000



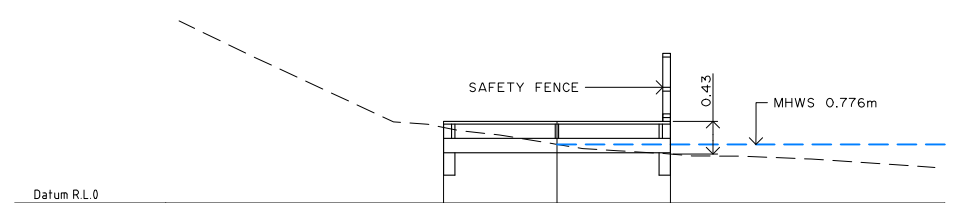
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EXISTING LEVELS			
OFFSET			

CH 900.000



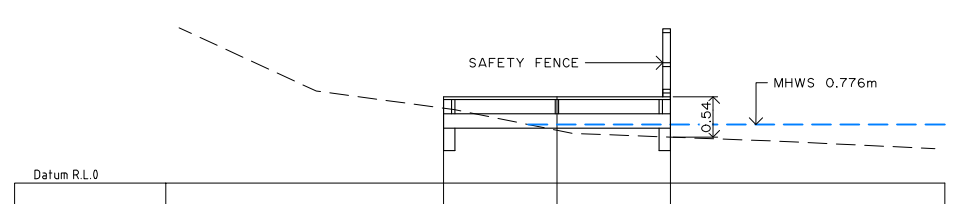
DESIGN LEVELS			
EXISTING LEVELS			
OFFSET			

CH 890.000



DESIGN LEVELS			
EXISTING LEVELS			
OFFSET			

CH 880.000



DESIGN LEVELS			
EXISTING LEVELS			
OFFSET			

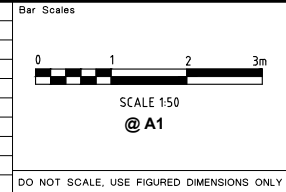
CH 870.000

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Designer	S. COMISH	Design Checked-Design Team Leader	
Drawn	S. COMISH	Drawing Checked	
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BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT

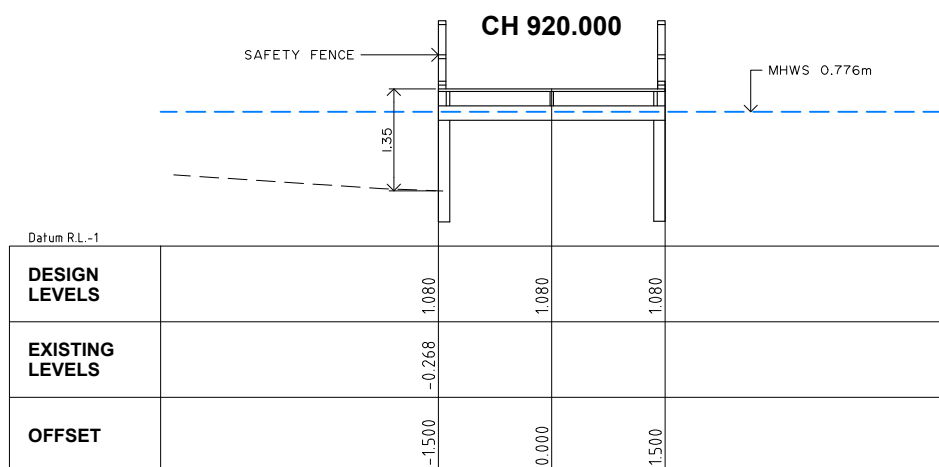
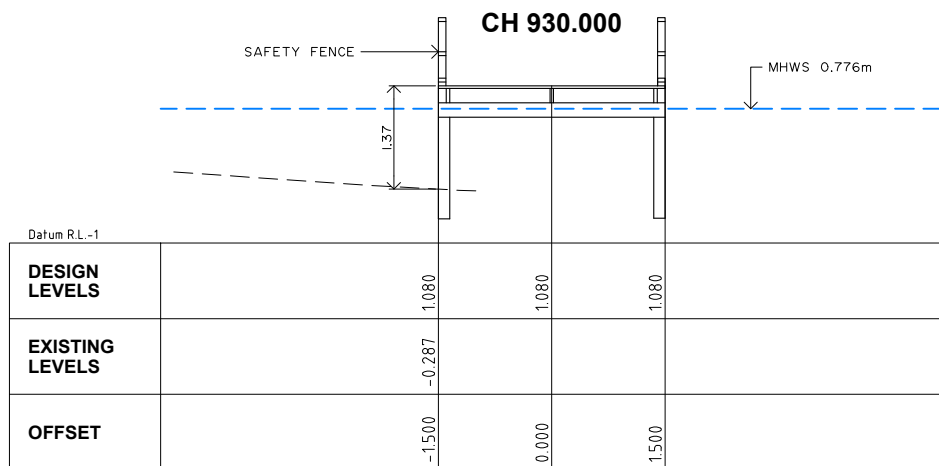
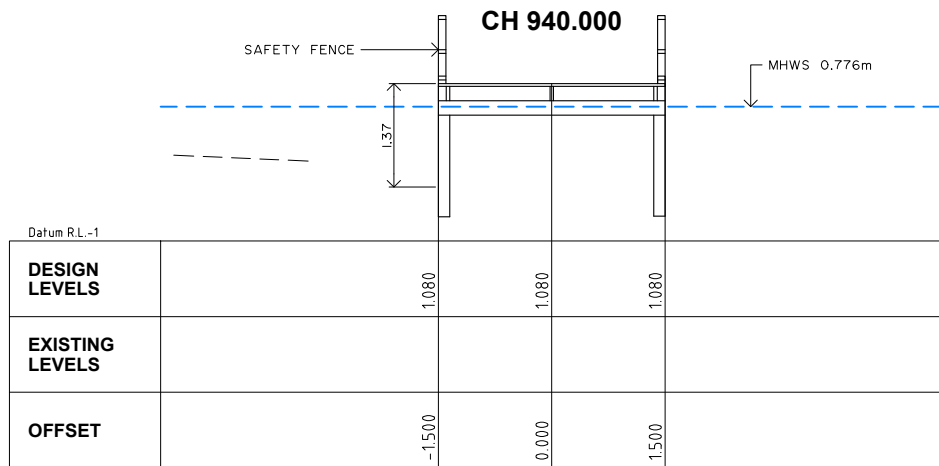
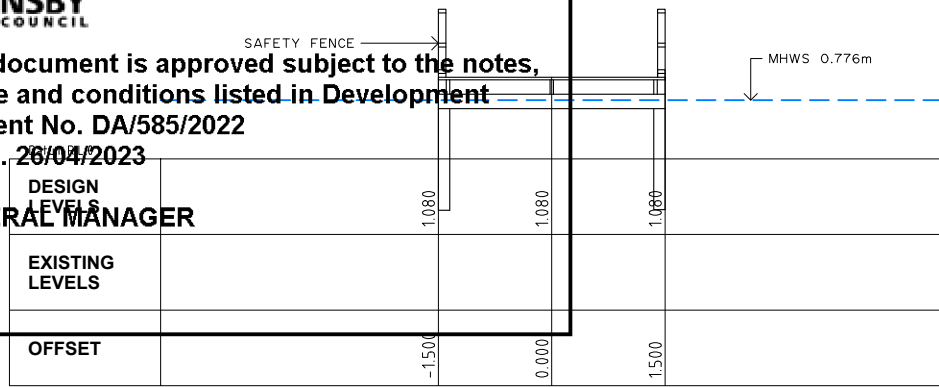
CL1 CROSS SECTIONS - CH810.000 TO CH900.000

Project Number	100277
Sheet of	25 30
Issue	2
HSC Drawing Number	29.31

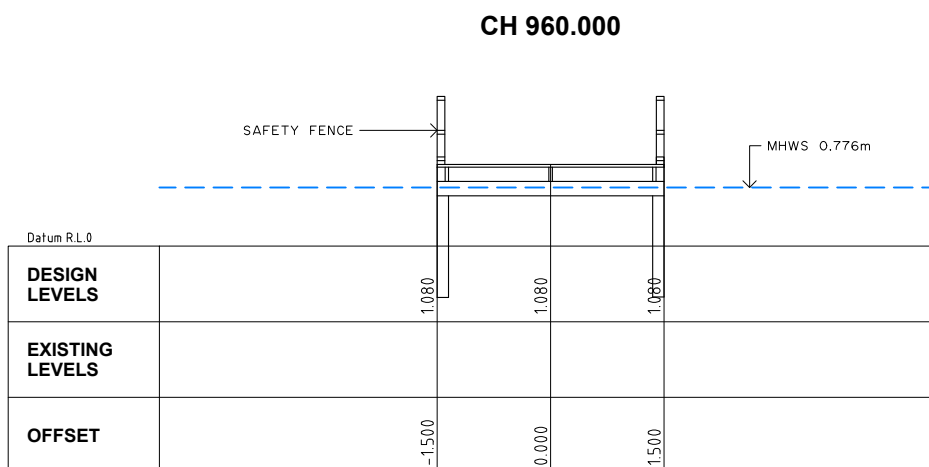
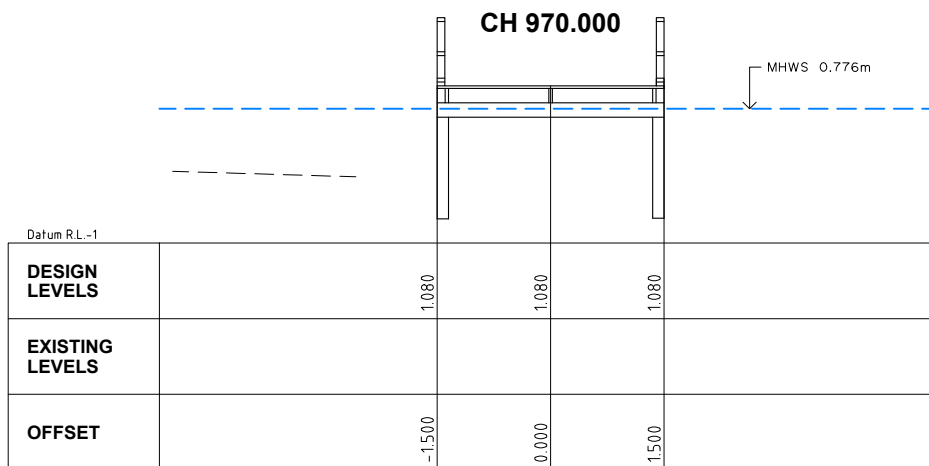
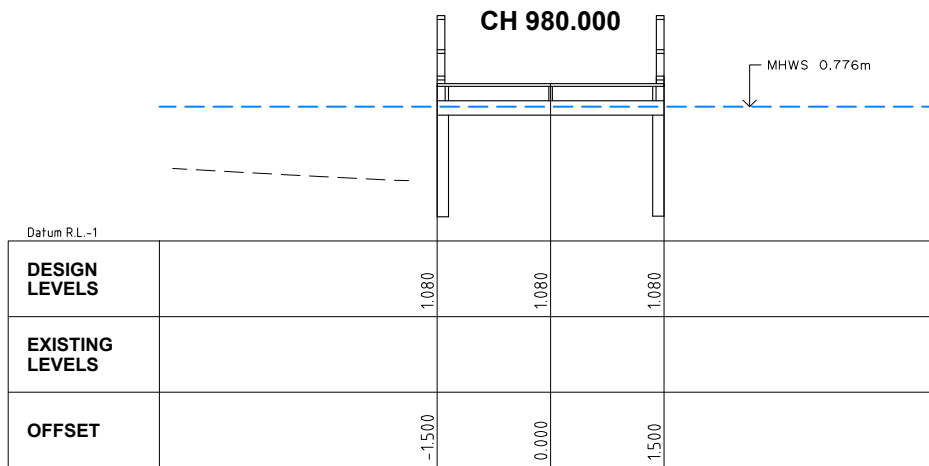
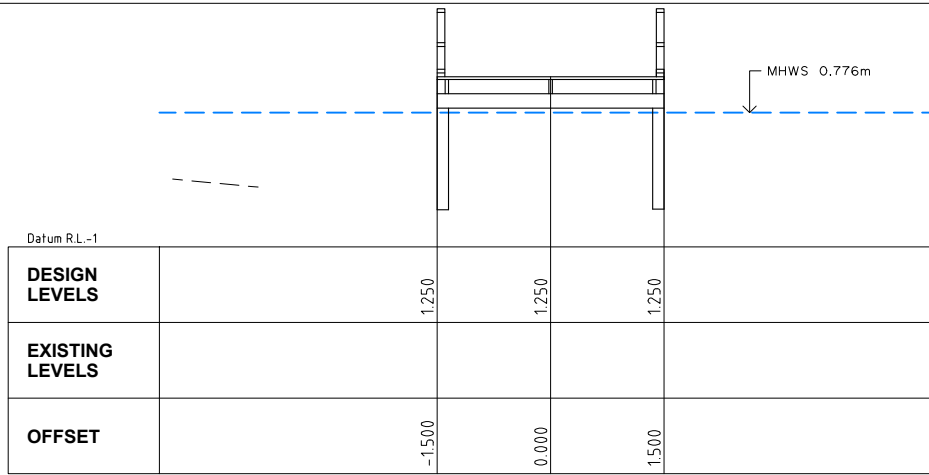


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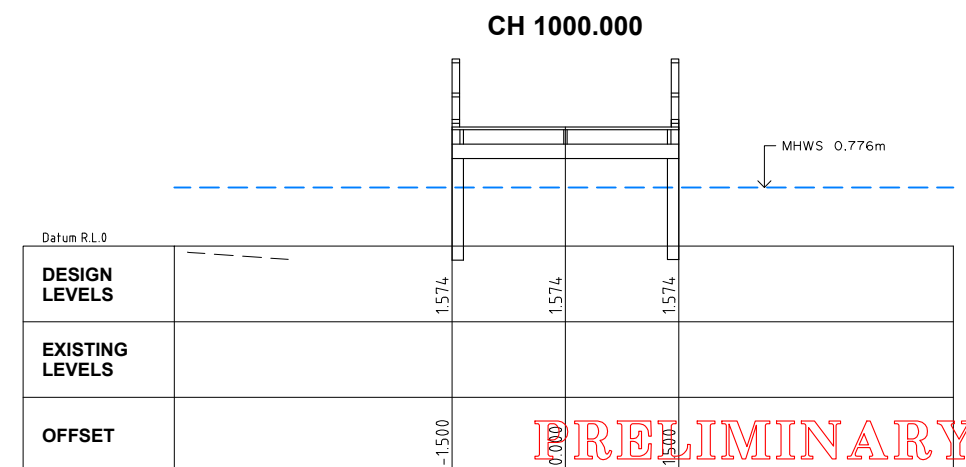
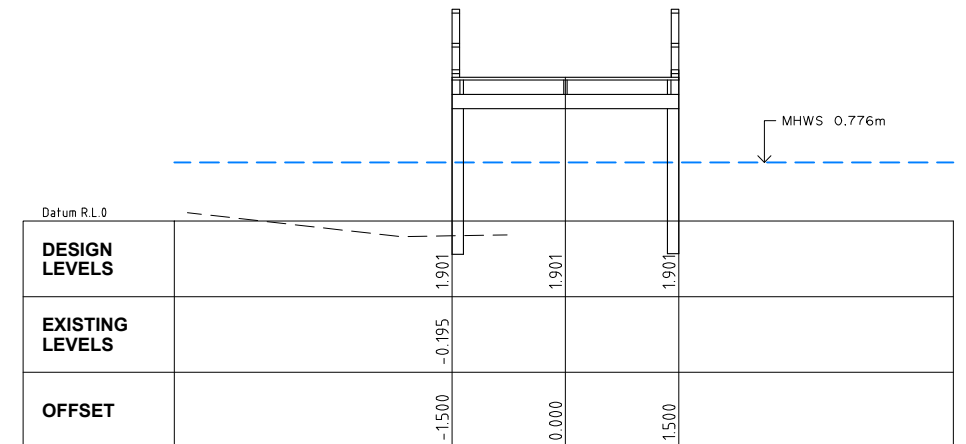
GENERAL MANAGER



CH 910.000



CH 950.000



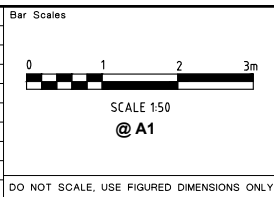
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**Hornsby Shire Council
Design & Construction
Branch**

Designer S. COMISH	Design Checked-Design Team Leader		
Drawn S. COMISH	Signed:		
Surveyor M. LAWTON	NA	NA	AHD
	Field Book	Level Book	Datum
Project Identifier\VCAD File Name	2		
H:\Brooklyn Rd Bwalk_TR_12012\Design\Concept Design 2021.dwg	1		
TRIM Document Number	XXX		

ISSUED FOR EIS APPROVAL	M. DRAKE		
ISSUED FOR INFORMATION ONLY	M. DRAKE		
Issue	Name	Initial	Date



**BROOKLYN SHARED PATH & BOARDWALK
SEYMOURS CREEK TO KANGAROO POINT**

CL1 CROSS SECTIONS - CH910.000 TO CH1000.000

Project Number 100277	Sheet 26	of 30	Issue 2
HSC Drawing Number 29.31			

Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: Date:

Design not to be amended without authorisation by Manager Design & Construction

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SCHEDULE OF SURVEYED TREES

This document is approved subject to the notes, conditions and conditions listed in Development Consent No DA/585/2022 Dated: 26/04/2023

GENERAL MANAGER

Table with columns: Species, Common Name, Height (m), Spread (m), Breast Dia, Base Dia, TPZ (m), SRZ (m), Age Class, Current Vigour, Current Form, Tree Origin, Hollow Bearing, Noted Defects, SULE Rating, Retention Value, General comments, notes and recommendations.

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Hornsby Shire Council Design & Construction Branch

Design Check-Design Team Leader, Design Check-Drawn, Design Check-Signed, Project Identifier, TRIM Document Number, and other administrative fields.

Bar Scales, NOT TO SCALE, and other technical drawing information.

BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT

TREE SCHEDULE - SHEET 1 OF 4

Project Number 100277, Sheet 27 of 30, Issue 2, HSC Drawing Number 29.31





SCHEDULE OF SURVEYED TREES (CONT)

This document is approved subject to the notes, advice and conditions listed in Development Consent No. DA/585/2022 Dated: 26/04/2023

GENERAL MANAGER

Table with columns: Species, Common Name, Height (m), Spread (m), Breast Dia (m), Base Dia (m), TPZ (m), SRZ (m), Age Class, Current Vigour, Current Form, Tree Origin, Hollow Bearing, Noted Defects, SULE Rating, Retention Value, General comments, notes and recommendations. Contains 228 rows of tree data.

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Hornsby Shire Council Design & Construction Branch

Approval table with columns: Role, Name, Signature, Date. Includes Designer S. COMISH, Surveyor M. LAWTON, and TRIM Document Number XXX.

Issue table with columns: Issue, Description, Name, Initial, Date. Includes issues for Design Checked-Design Team Leader, Drawing Checked, and TRIM Document Number.

Bar Scales table with columns: Scale, Description, Name, Initial, Date. Includes scales for NA Field Book, NA Level Book, and AHD Datum.



BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT

TREE SCHEDULE - SHEET 2 OF 4

Project information table with columns: Project Number (100277), Sheet (28 of 30), Issue (2), HSC Drawing Number (29.31).

NOT TO SCALE

DO NOT SCALE, USE FIGURED DIMENSIONS ONLY

Authorised for release - Manager Design & Construction Name: R. RAJCA

Design not to be amended without authorisation by Manager Design & Construction



SCHEDULE OF SURVEYED TREES (CONT)

This document is approved subject to the notes, advice and conditions listed in Development Consent No DA/585/2022 Dated: 26/04/2023

GENERAL MANAGER

Main table with columns: Species, Common Name, Height (m), Spread (m), Breast Dia (m), Base Dia (m), TPZ (m), SRZ (m), Age Class, Current Vigour, Current Form, Tree Origin, Hollow Bearing, Noted Defects, SULE Rating, Retention Value, General comments, notes and recommendations.

PRELIMINARY NOT FOR CONSTRUCTION ISSUED FOR INFORMATION ONLY

Hornsby Shire Council Design & Construction Branch logo and contact information.

Approval and signature table with columns: Designer, Drawn, Surveyor, Project Identifier, File Name, Issue, Description, Name, Initial, Date.

NOT TO SCALE, Bar Scales, HORNLSBY SHIRE COUNCIL logo, PO BOX 37, HORNLSBY NSW 1630

BROOKLYN SHARED PATH & BOARDWALK SEYMOURS CREEK TO KANGAROO POINT TREE SCHEDULE - SHEET 3 OF 4

Project information table with columns: Project Number (100277), Sheet (29 of 30), Issue (2), HSC Drawing Number (29.31)

