

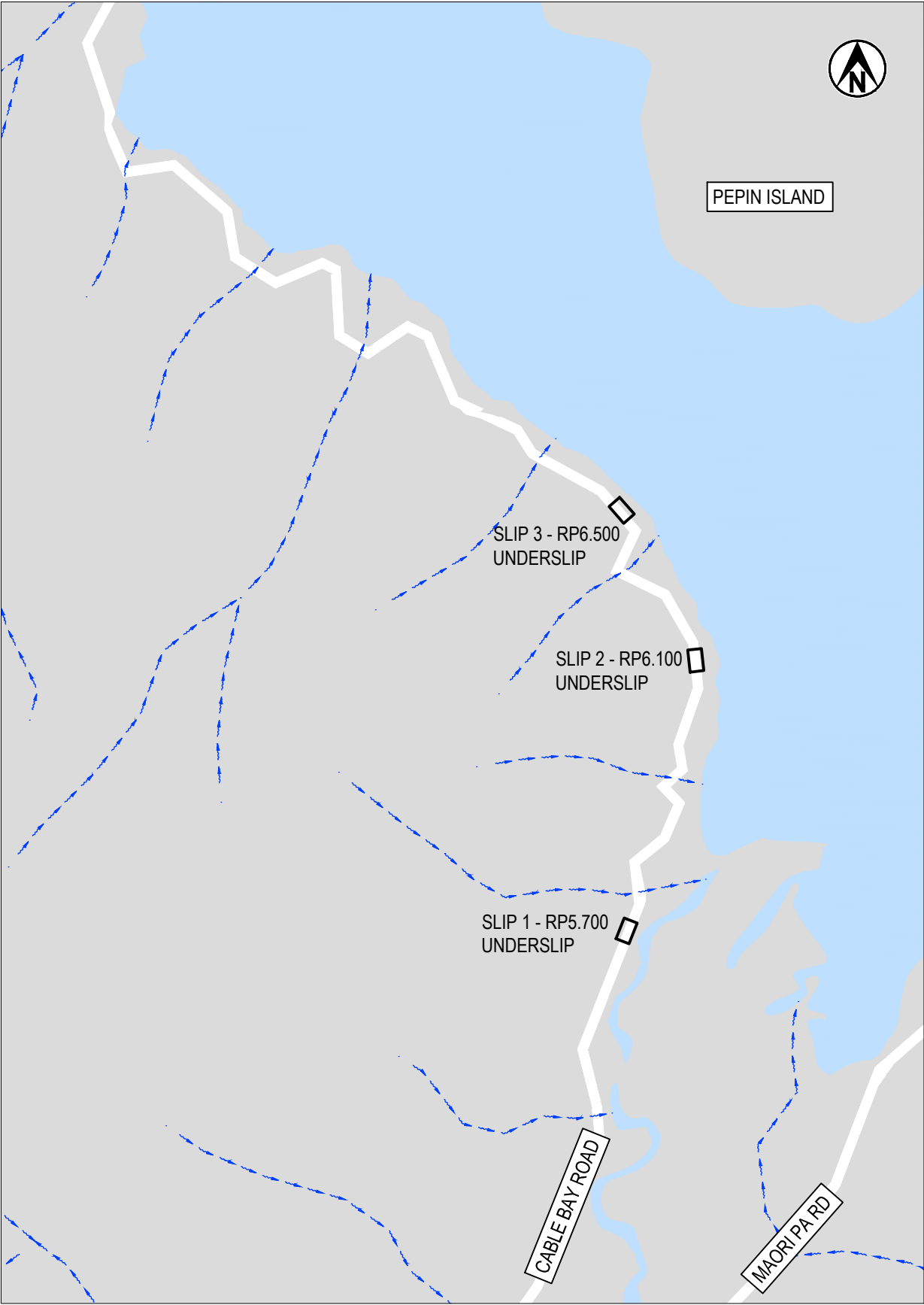
NELSON CITY COUNCIL

Cable Bay Road Remediation

TENDER ISSUE

DRAWING	Rev	Title
GENERAL		
● 1089395.3001-00	A	DRAWING LIST AND LOCALITY MAP
SLIP 1 - RP5.700 - UNDERSLIP		
● 1089395.3001-01	A	EXISTING SITE AND SITE INVESTIGATION PLAN
● 1089395.3001-10	A	GENERAL ARRANGEMENT
● 1089395.3001-11	A	CROSS SECTION
● 1089395.3001-12	A	LONG SECTION
SLIP 2 - RP6.100 - UNDERSLIP		
● 1089395.3001-02	A	EXISTING SITE AND SITE INVESTIGATION PLAN
● 1089395.3001-20	A	GENERAL ARRANGEMENT
● 1089395.3001-21	A	TYPICAL SECTION
● 1089395.3001-22	A	ANCHOR/WALER - SECTION AND DETAILS
● 1089395.3001-22	A	LONG SECTION
SLIP 3 - RP6.500 - UNDERSLIP		
● 1089395.3001-03	A	EXISTING SITE AND SITE INVESTIGATION PLAN
● 1089395.3001-30	A	GENERAL ARRANGEMENT
● 1089395.3001-31	A	TYPICAL SECTION
● 1089395.3001-32	A	TYPICAL DEADMAN SECTION AND DETAIL
● 1089395.3001-33	A	LONG SECTION

● Denotes drawing this issue: 10/10/2023



SITE LOCALITY MAP
SCALE: 1:10,000 (A3)



Nelson City Council

te kaunihera o whakatū

APPROVED



GROUP MANAGER INFRASTRUCTURE

INFRASTRUCTURE

DATE 11/10/2023

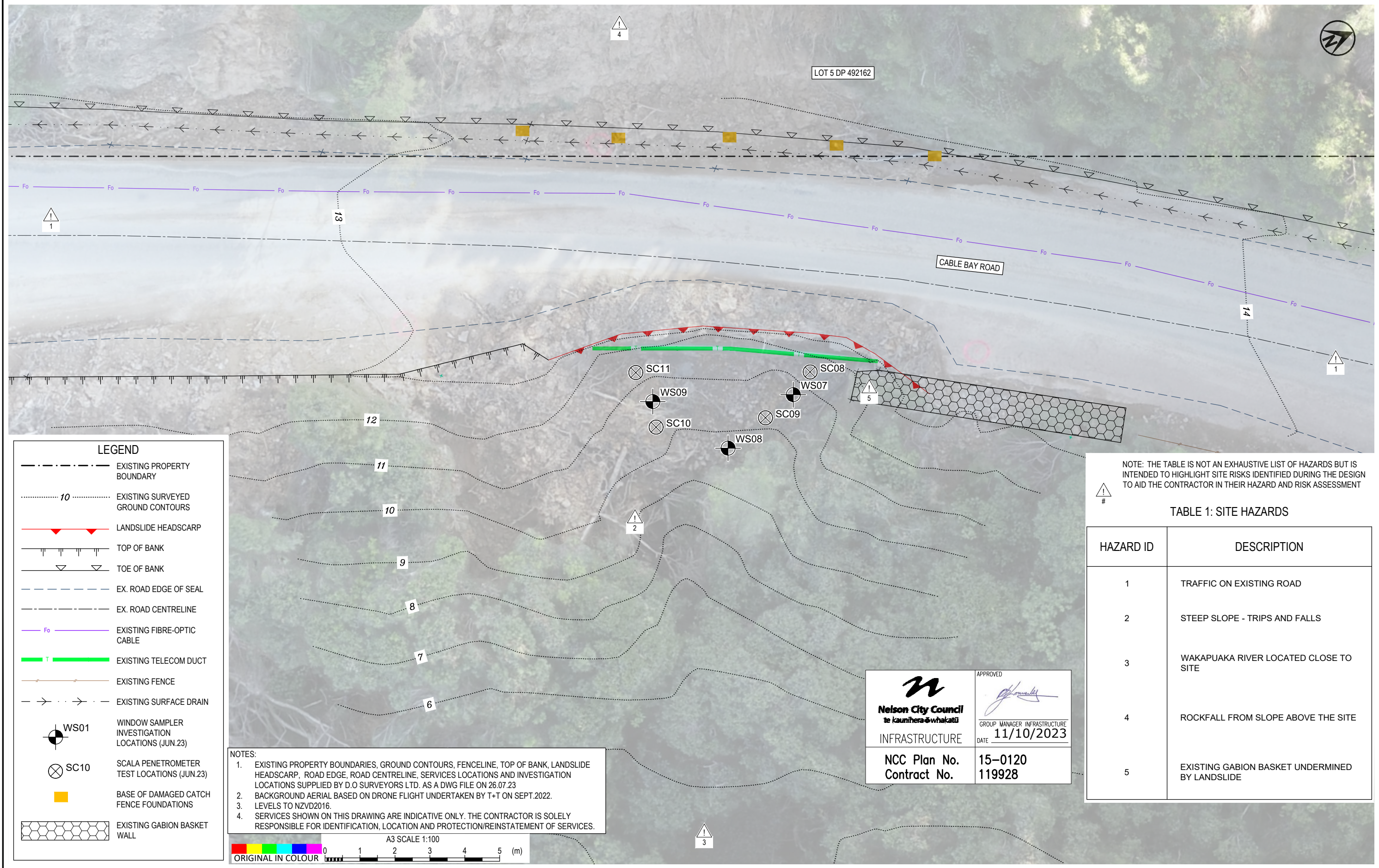
NCC Plan No.

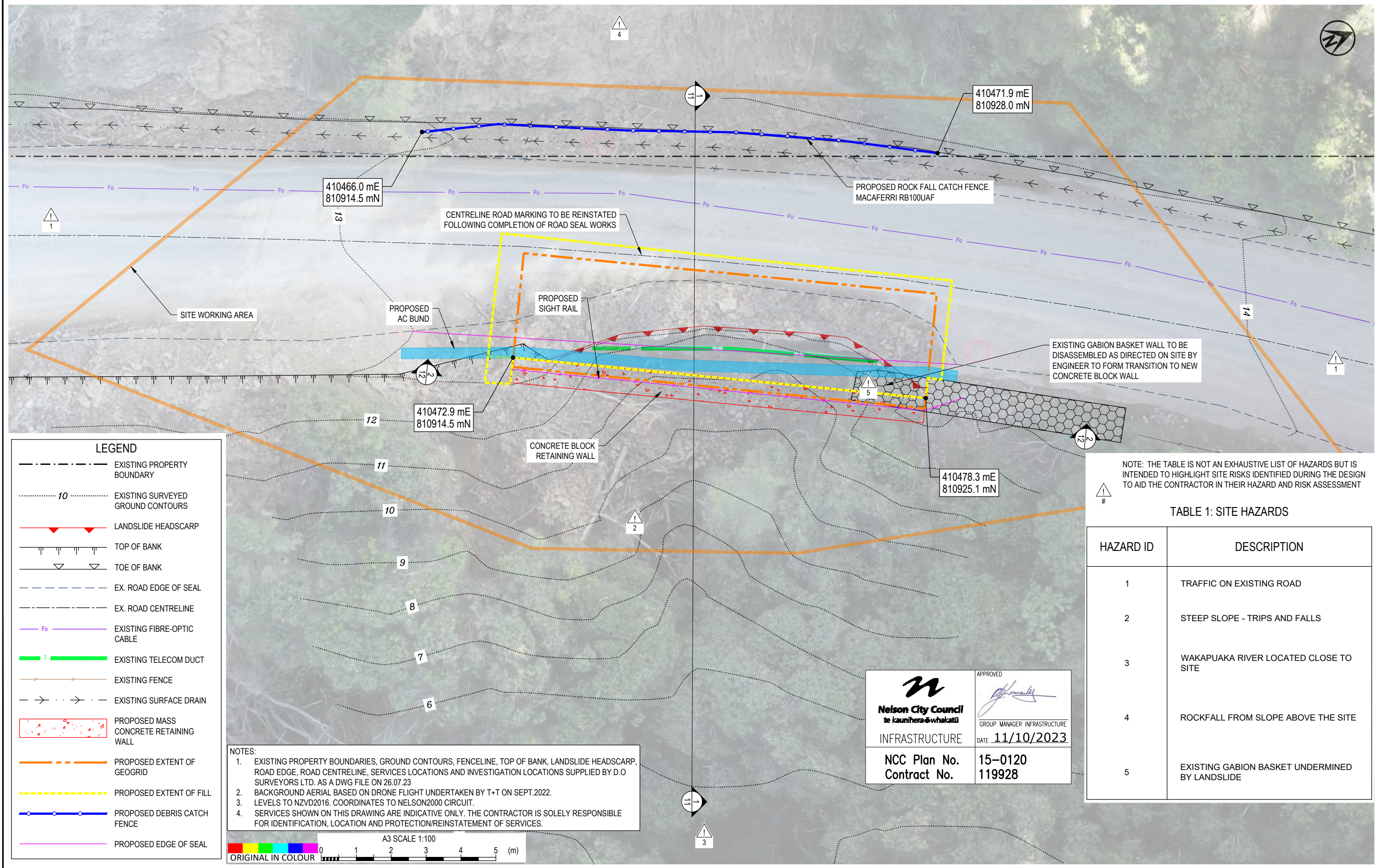
15-0120

Contract No.

119928

A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS TENDER ISSUE PROJECT PHASE	CLIENT	NELSON CITY COUNCIL				
					DRAWN	D AVERILL	Oct.23		PROJECT	CABLE BAY ROAD REMEDIAL WORKS				
					DESIGN CHECKED	D ANDREWS	Oct.23		TITLE	GENERAL				
					DRAWING CHECKED	D ANDREWS	Oct.23		DRAWING LIST AND LOCALITY MAP					
NOT FOR CONSTRUCTION					THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED				SCALE (A3)	AS SHOWN	DWG No.	1089395.3001-00	REV	A
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE								





NOTE: THE TABLE IS NOT AN EXHAUSTIVE LIST OF HAZARDS BUT IS INTENDED TO HIGHLIGHT SITE RISKS IDENTIFIED DURING THE DESIGN TO AID THE CONTRACTOR IN THEIR HAZARD AND RISK ASSESSMENT

TABLE 1: SITE HAZARDS

HAZARD ID	DESCRIPTION
1	TRAFFIC ON EXISTING ROAD
2	STEEP SLOPE - TRIPS AND FALLS
3	WAKAPUAKA RIVER LOCATED CLOSE TO SITE
4	ROCKFALL FROM SLOPE ABOVE THE SITE
5	EXISTING GABION BASKET UNDERMINED BY LANDSLIDE



Nelson City Council
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GROUP MANAGER INFRASTRUCTURE

INFRASTRUCTURE

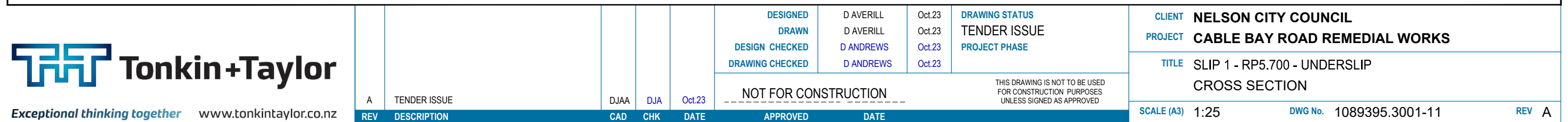
NCC Plan No.
Contract No.

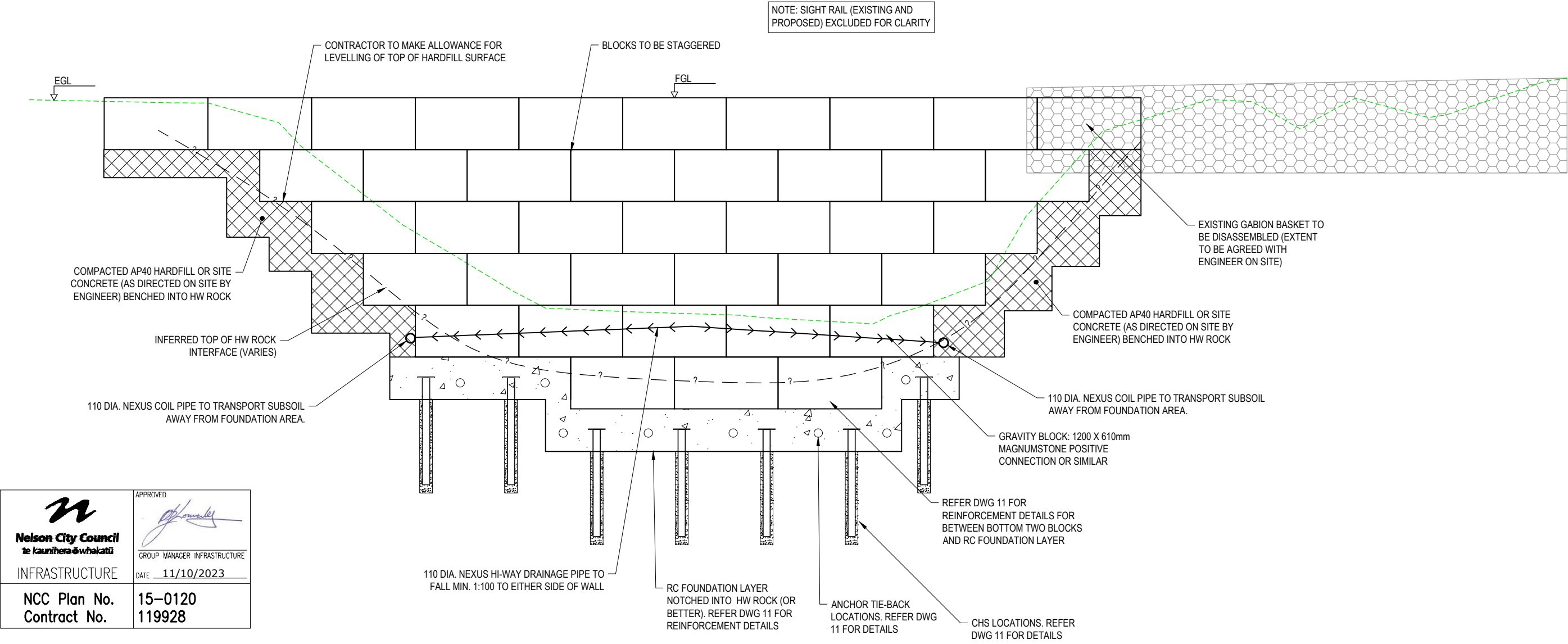
DATE **11/10/2023**

15-0120
119928

- NOTES:
- EXISTING PROPERTY BOUNDARIES, GROUND CONTOURS, FENCELINE, TOP OF BANK, LANDSLIDE HEADSCARP, ROAD EDGE, ROAD CENTRELINE, SERVICES LOCATIONS AND INVESTIGATION LOCATIONS SUPPLIED BY D.O SURVEYORS LTD. AS A DWG FILE ON 26.07.23
 - BACKGROUND AERIAL BASED ON DRONE FLIGHT UNDERTAKEN BY T+T ON SEPT.2022.
 - LEVELS TO NZVD2016. COORDINATES TO NELSON2000 CIRCUIT.
 - SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFICATION, LOCATION AND PROTECTION/REINSTATEMENT OF SERVICES.

A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS	TENDER ISSUE	PROJECT	NELSON CITY COUNCIL	CABLE BAY ROAD REMEDIAL WORKS
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NOT FOR CONSTRUCTION								THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED				
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE	SCALE (A3)	1:100	DWG No.	1089395.3001-10	REV	A







Nelson City Council
te kaunihera o whakatū

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GROUP MANAGER INFRASTRUCTURE

INFRASTRUCTURE

DATE 11/10/2023

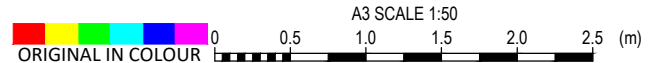
NCC Plan No. 15-0120


Contract No. 119928


- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
 - LONG SECTION BASED ON GROUND SURFACE INFORMATION SUPPLIED BY D.O SURVEYORS LTD. AS A DWG FILE ON 26.07.23
 - LEVELS TO NZVD2016.

SECTION 2 LONG SECTION (WALL ELEVATION)

SCALE 1: 50



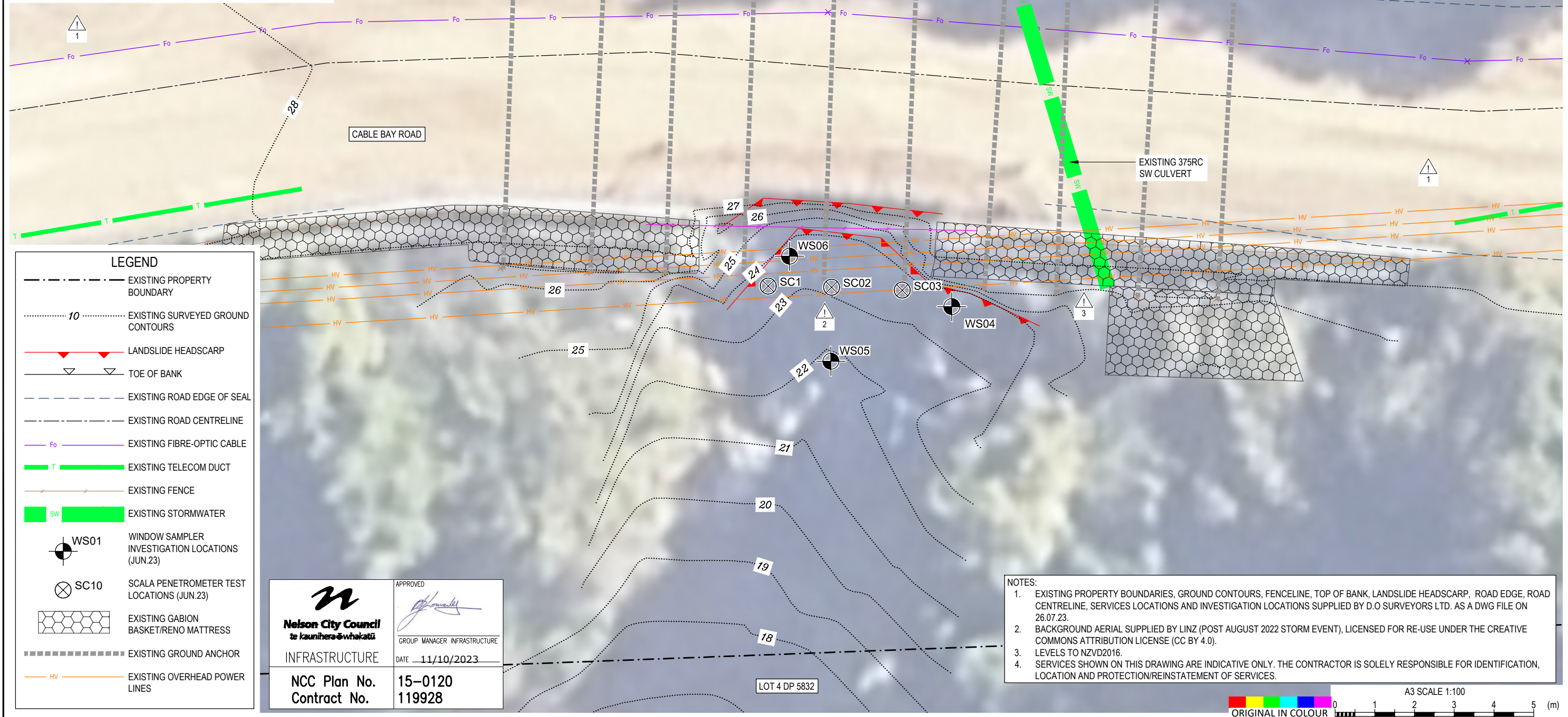
 <p>Exceptional thinking together www.tonkintaylor.co.nz</p>			<div>DESIGNED D AVERILL Oct.23</div> <div>DRAWN D AVERILL Oct.23</div> <div>DESIGN CHECKED D ANDREWS Oct.23</div> <div>DRAWING CHECKED D ANDREWS Oct.23</div>			<div>DRAWING STATUS TENDER ISSUE PROJECT PHASE</div> <div>THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED</div>			CLIENT NELSON CITY COUNCIL		
									PROJECT CABLE BAY ROAD REMEDIAL WORKS		
									TITLE SLIP 1 - RP5.700 - UNDERSLIP LONG SECTION		
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE	SCALE (A3)	1:50	DWG No.	1089395.3001-12	REV A



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NOTE: THE TABLE IS NOT AN EXHAUSTIVE LIST OF HAZARDS BUT IS INTENDED TO HIGHLIGHT SITE RISKS IDENTIFIED DURING THE DESIGN TO AID THE CONTRACTOR IN THEIR HAZARD AND RISK ASSESSMENT

TABLE 1: SITE HAZARDS

HAZARD ID	DESCRIPTION
1	TRAFFIC ON EXISTING ROAD
2	STEEP SLOPE - TRIPS AND FALLS
3	CULVERT DISCHARGE INTO WORKS AREA





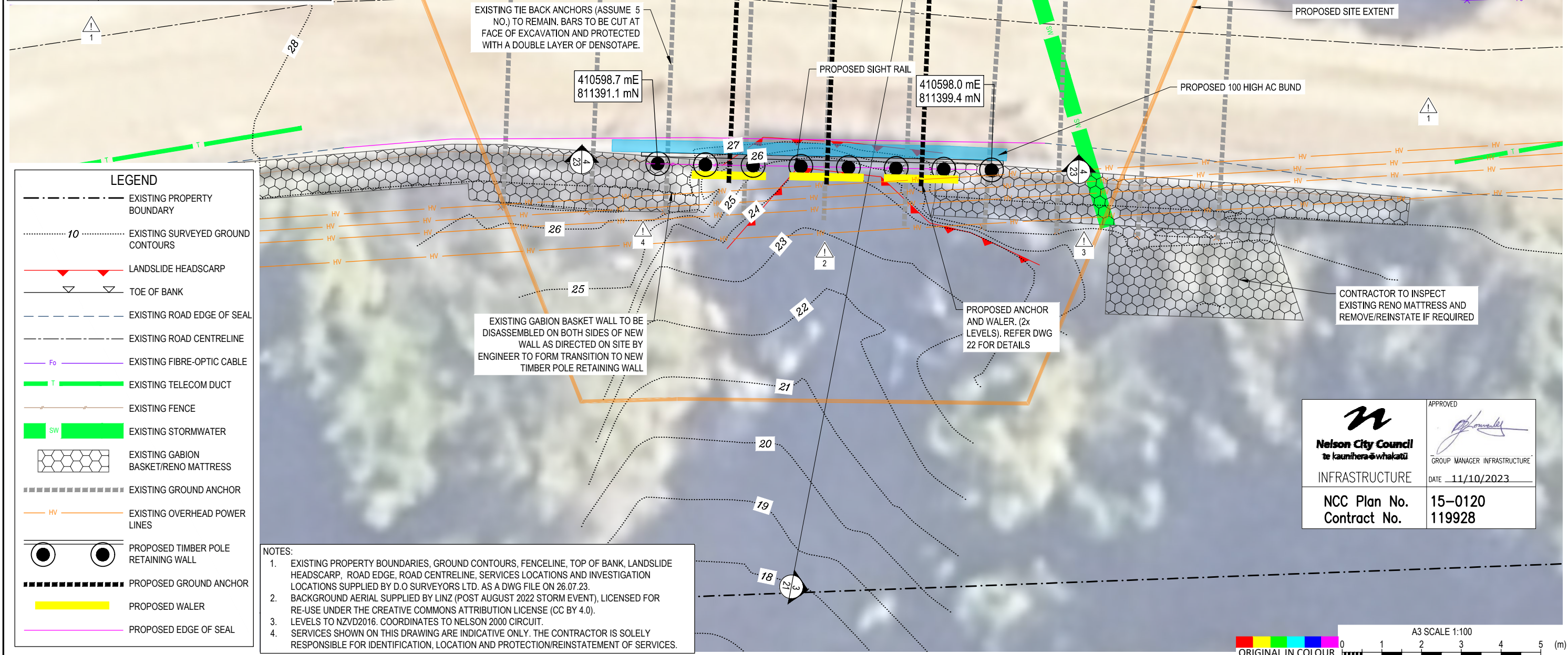
Exceptional thinking together www.tonkintaylor.co.nz

A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS	TENDER ISSUE	CLIENT	NELSON CITY COUNCIL	
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					NOT FOR CONSTRUCTION		THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED				REV	A

NOTE: THE TABLE IS NOT AN EXHAUSTIVE LIST OF HAZARDS BUT IS INTENDED TO HIGHLIGHT SITE RISKS IDENTIFIED DURING THE DESIGN TO AID THE CONTRACTOR IN THEIR HAZARD AND RISK ASSESSMENT

TABLE 1: SITE HAZARDS

HAZARD ID	DESCRIPTION
1	TRAFFIC ON EXISTING ROAD
2	STEEP SLOPE - TRIPS AND FALLS
3	CULVERT DISCHARGE INTO WORKS AREA
4	OVERHEAD POWER LINES WITHIN VICINITY OF WORKS



- NOTES:
- EXISTING PROPERTY BOUNDARIES, GROUND CONTOURS, FENCELINE, TOP OF BANK, LANDSLIDE HEADSCARP, ROAD EDGE, ROAD CENTRELINE, SERVICES LOCATIONS AND INVESTIGATION LOCATIONS SUPPLIED BY D.O SURVEYORS LTD. AS A DWG FILE ON 26.07.23.
 - BACKGROUND AERIAL SUPPLIED BY LINZ (POST AUGUST 2022 STORM EVENT), LICENSED FOR RE-USE UNDER THE CREATIVE COMMONS ATTRIBUTION LICENSE (CC BY 4.0).
 - LEVELS TO NZVD2016. COORDINATES TO NELSON 2000 CIRCUIT.
 - SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFICATION, LOCATION AND PROTECTION/REINSTATEMENT OF SERVICES.



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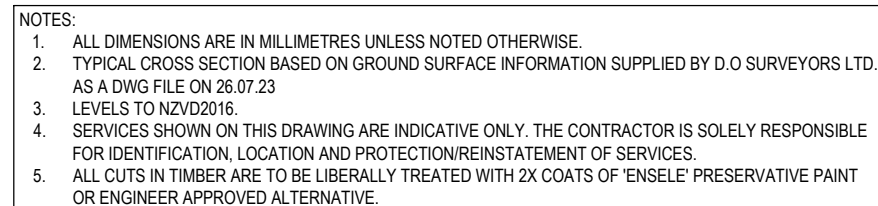
GROUP MANAGER INFRASTRUCTURE

INFRASTRUCTURE

NCC Plan No. 15-0120
Contract No. 119928

DATE 11/10/2023

A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS	TENDER ISSUE	CLIENT	NELSON CITY COUNCIL		
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					NOT FOR CONSTRUCTION			THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED					
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 <p>Nelson City Council te kauhara o whakatū</p>	<p>APPROVED</p>  <p>GROUP MANAGER INFRASTRUCTURE</p>
<p>INFRASTRUCTURE</p>	<p>DATE <u>11/10/2023</u></p>
<p>NCC Plan No. Contract No.</p>	<p>15-0120 119928</p>

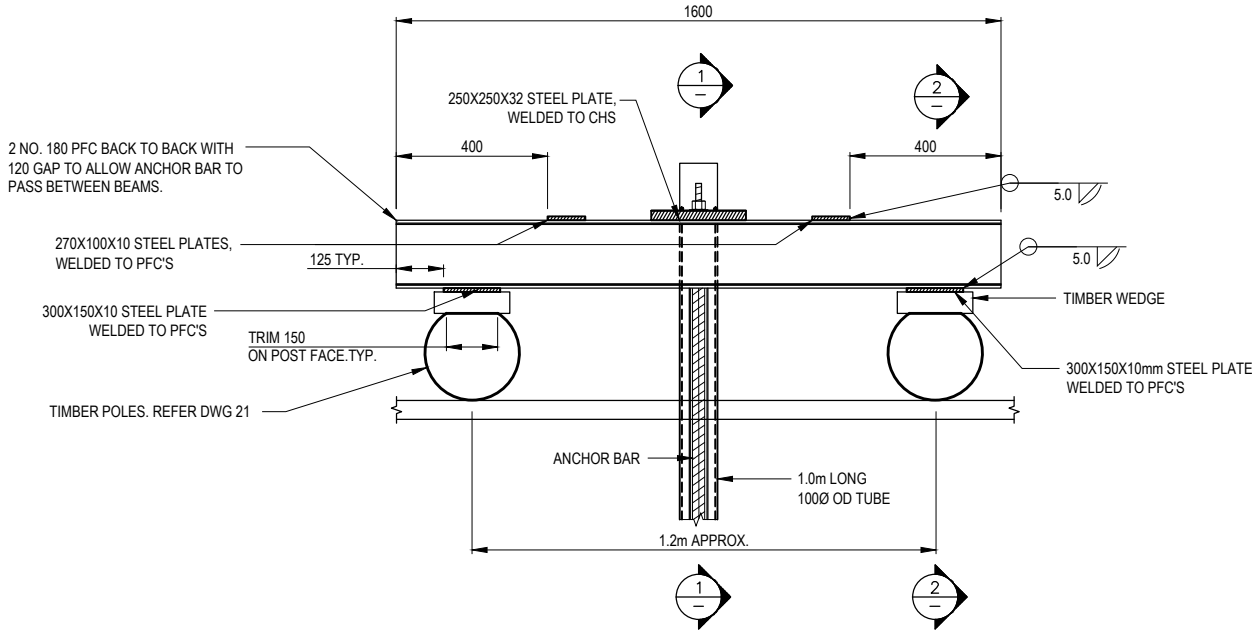
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0 0.5 1.0 1.5 2.0 2.5 (m)

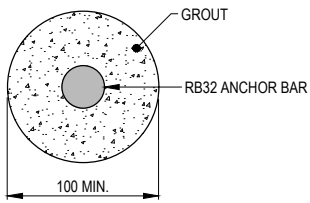
ORIGINAL IN COLOUR

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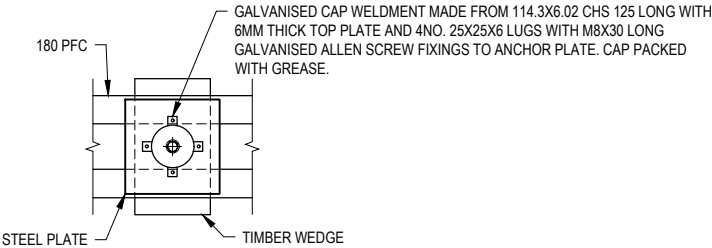
A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS	CLIENT NELSON CITY COUNCIL PROJECT CABLE BAY ROAD REMEDIAL WORKS TITLE SLIP 2 - RP6.100 - UNDERSLIP TYPICAL SECTION
					DRAWN	D AVERILL	Oct.23	TENDER ISSUE	
					DESIGN CHECKED	D ANDREWS	Oct.23	PROJECT PHASE	
					DRAWING CHECKED	D ANDREWS	Oct.23		
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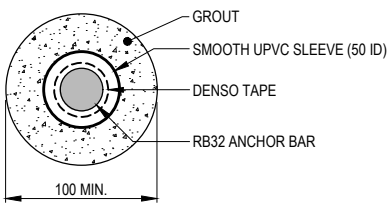
DETAIL A PLAN - TYPICAL BACK-TO-BACK PFC WALER
A3 SCALE 1:20



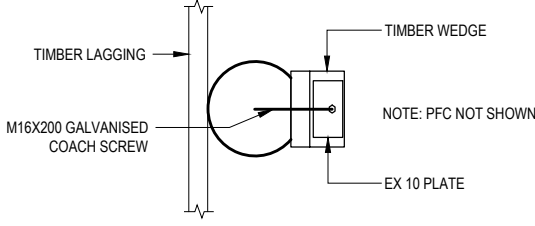
DETAIL B ANCHOR BONDED LENGTH
SCALE NTS



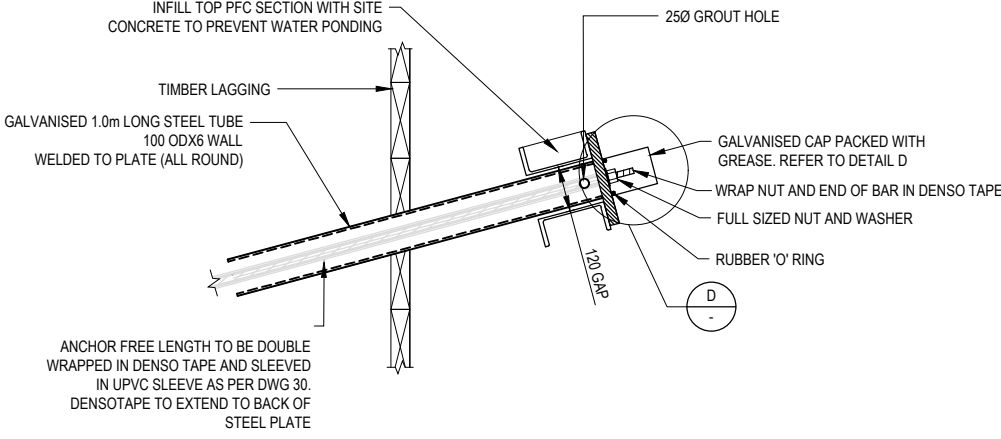
DETAIL D STEEL CAP
A3 SCALE 1:20



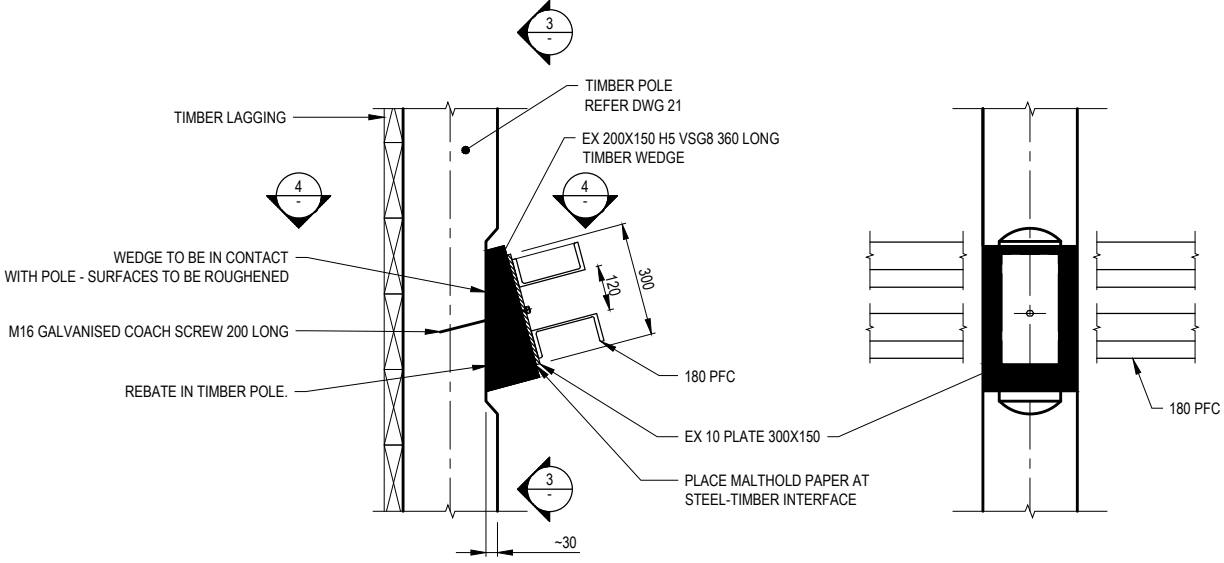
DETAIL C ANCHOR FREE LENGTH
SCALE NTS



SECTION 4
A3 SCALE 1:20



SECTION 1 WALER TO ANCHOR CONNECTION
A3 SCALE 1:20



SECTION 2 WALER TO POLE CONNECTION
A3 SCALE 1:20

SECTION 3
A3 SCALE 1:20

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL WORK TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION
 - ALL WELDS SHALL BE GP (GENERAL PURPOSE) FILLET WELDS USING E4 1XX ELECTRODES. ALL WELDS SHALL COMPLY WITH NZS4701
 - ALL BOLTS SHALL BE GRADE 8.8/5 IN ACCORDANCE WITH AS 1252.
 - ALL STRUCTURAL STEELWORK TO COMPLY WITH NZS3404.
 - ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANISED. WASHERS SHALL BE USED AT ALL BOLTED CONNECTIONS.
 - ALL CUTS, SCARFS OR DRILLED SURFACES IN TIMBER TO BE TREATED BY LIBERALLY BRUSHING APPLICATION OF 'ENSELE' OR EQUIVALENT.
 - ALL STEELWORK SHALL BE GRADE 300 AND HOT DIP GALVANISED TO HDG600 TO AS/NZS4680 100 MICRON THICKNESS AFTER WELDING.
 - GROUT IN STEEL TUBE TO BE CEMENTITIOUS GROUT COMPLYING WITH BS8081:1989. THE GROUT SHALL HAVE A 28 DAY STRENGTH OF 40MPa AND A WATER TO CEMENT RATIO OF BETWEEN 0.35 AND 0.45.
 - MALTHOID PAPER REQUIRED AT ALL STEEL/TREATED TIMBER CONTACTS.



Nelson City Council
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GROUP MANAGER INFRASTRUCTURE

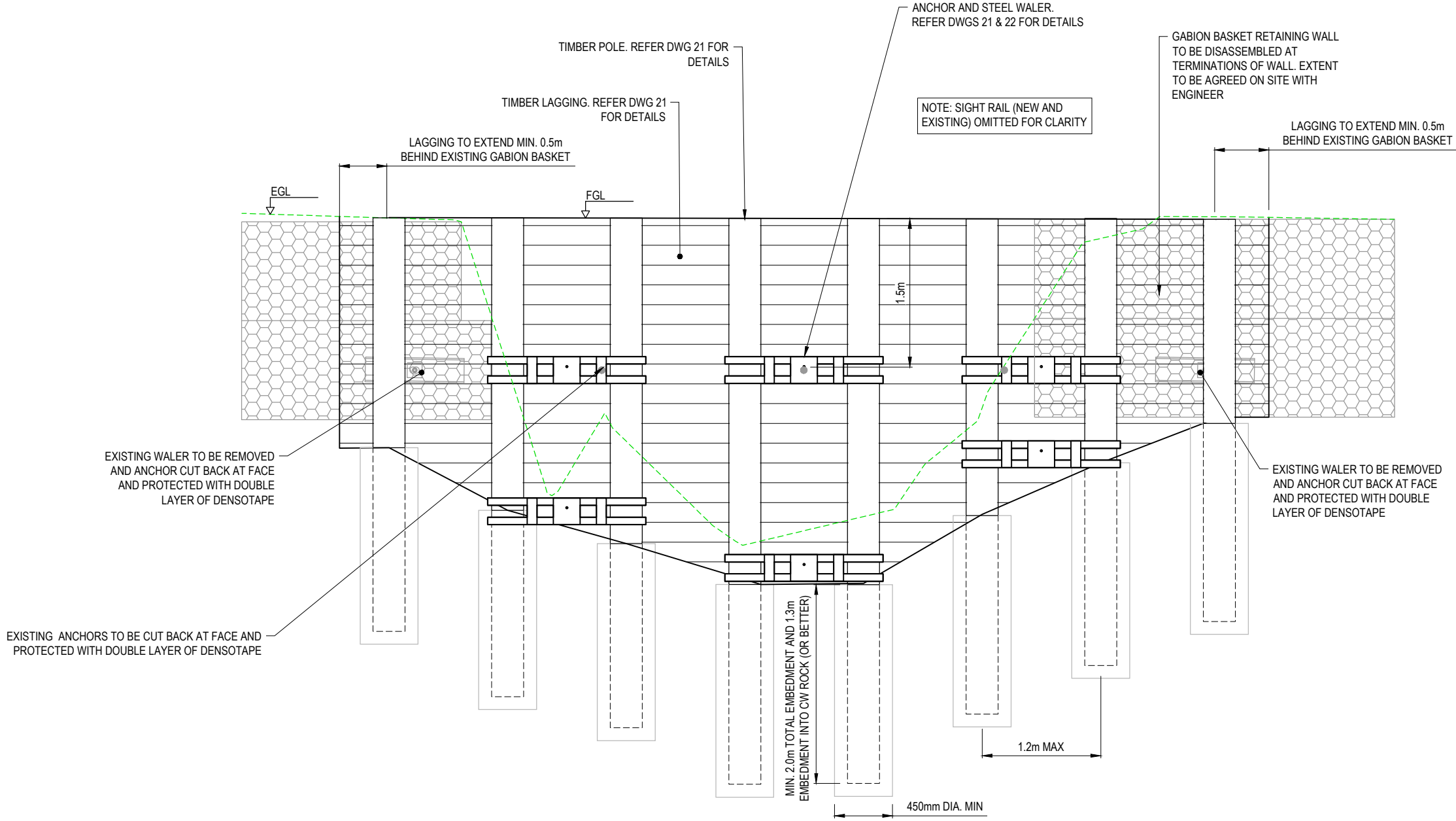
INFRASTRUCTURE

NCC Plan No. 15-0120
Contract No. 119928

DATE 11/10/2023



A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS	CLIENT	NELSON CITY COUNCIL				
					DRAWN	D AVERILL	Oct.23	TENDER ISSUE	PROJECT	CABLE BAY ROAD REMEDIAL WORKS				
					DESIGN CHECKED	D ANDREWS	Oct.23	PROJECT PHASE	TITLE	SLIP 2 - RP6.100 - UNDERSLIP				
					NOT FOR CONSTRUCTION			THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE			SCALE (A3)	AS SHOWN	DWG No.	1089395.3001-22	REV	A



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. LONG SECTION BASED ON GROUND SURFACE INFORMATION SUPPLIED BY D.O SURVEYORS LTD. AS A DWG FILE ON 26.07.23
 3. LEVELS TO NZVD2016.



Nelson City Council
te kaitiaki hakaari

APPROVED



GROUP MANAGER INFRASTRUCTURE

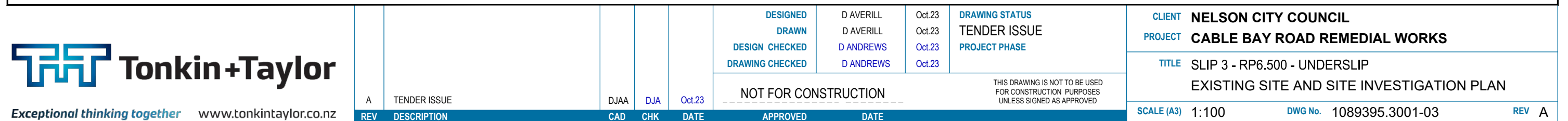
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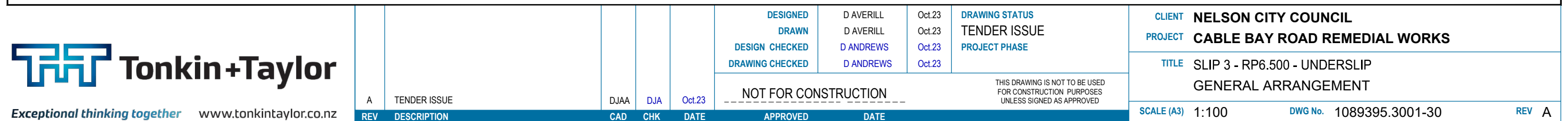
NCC Plan No. 15-0120
Contract No. 119928

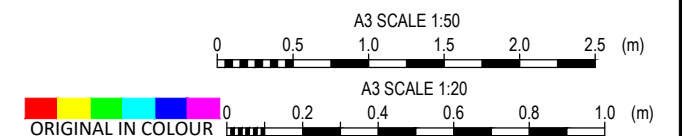
DATE 11/10/2023



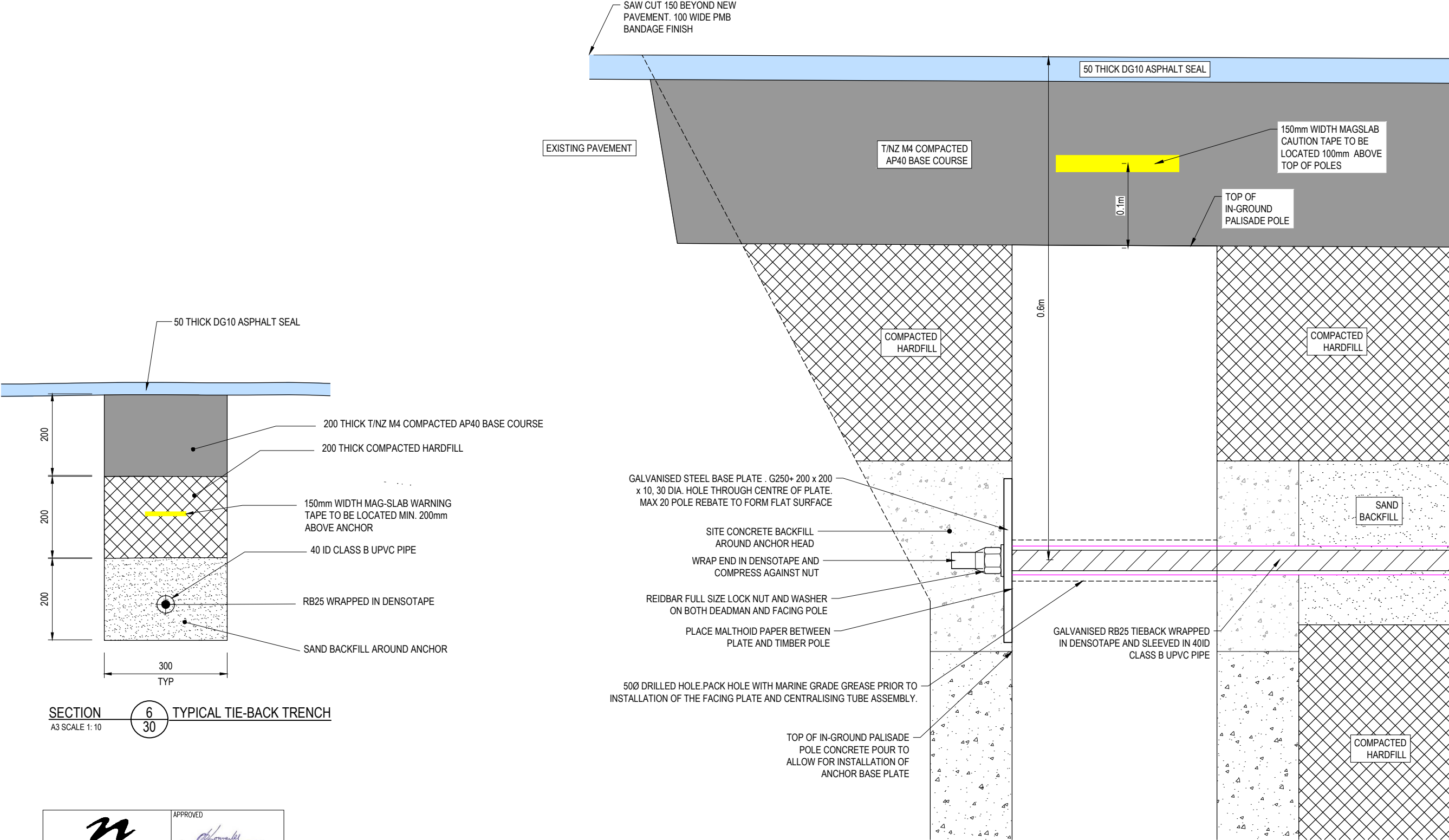
A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS TENDER ISSUE PROJECT PHASE	CLIENT	NELSON CITY COUNCIL				
					DRAWN	D AVERILL	Oct.23		PROJECT	CABLE BAY ROAD REMEDIAL WORKS				
					DESIGN CHECKED	D ANDREWS	Oct.23		TITLE	SLIP 2 - RP6.100 - UNDERSLIP				
					DRAWING CHECKED	D ANDREWS	Oct.23			LONG SECTION				
					NOT FOR CONSTRUCTION			THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED						
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE			SCALE (A3)	1:50	DWG No.	1089395.3001-23	REV	A







- | | | | | | | | | | | | | | | |
|-----|--------------|------|-----|--------|----------------------|-----------|------------|---|--|-------------------------------|---------|-----------------|-----|---|
| A | TENDER ISSUE | DJAA | DJA | Oct.23 | DESIGNED | D AVERILL | Oct.23 | DRAWING STATUS
TENDER ISSUE
PROJECT PHASE | CLIENT | NELSON CITY COUNCIL | | | | |
| | | | | | DRAWN | D AVERILL | Oct.23 | | PROJECT | CABLE BAY ROAD REMEDIAL WORKS | | | | |
| | | | | | DESIGN CHECKED | D ANDREWS | Oct.23 | | TITLE | SLIP 3 - RP6.500 - UNDERSLIP | | | | |
| | | | | | DRAWING CHECKED | D ANDREWS | Oct.23 | | TYPICAL SECTION | | | | | |
| | | | | | NOT FOR CONSTRUCTION | | | | THIS DRAWING IS NOT TO BE USED
FOR CONSTRUCTION PURPOSES
UNLESS SIGNED AS APPROVED | | | | | |
| REV | DESCRIPTION | CAD | CHK | DATE | APPROVED | DATE | SCALE (A3) | | | AS SHOWN | DWG No. | 1089395.3001-31 | REV | A |

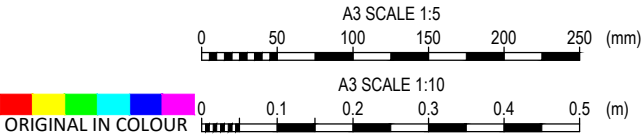


SECTION 6 TYPICAL TIE-BACK TRENCH
A3 SCALE 1:10

DETAIL F 31
SCALE 1:5

 Nelson City Council te kaunihera o Whakatū INFRASTRUCTURE	APPROVED  GROUP MANAGER INFRASTRUCTURE
	DATE 11/10/2023
	NCC Plan No. 15-0120 Contract No. 119928

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL CUTS IN TIMBER TO BE LIBERALLY PAINTED WITH 'ENSELE' OR SIMILAR ENGINEER APPROVED ALTERNATIVE.
 - SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFICATION, LOCATION AND PROTECTION/REINSTATEMENT OF SERVICES.

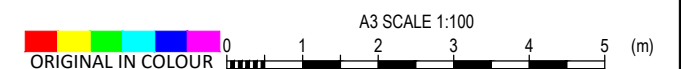


A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS TENDER ISSUE PROJECT PHASE	CLIENT	NELSON CITY COUNCIL				
					DRAWN	D AVERILL	Oct.23		PROJECT	CABLE BAY ROAD REMEDIAL WORKS				
					DESIGN CHECKED	D ANDREWS	Oct.23		TITLE	SLIP 3 - RP6.500 - UNDERSLIP				
					DRAWING CHECKED	D ANDREWS	Oct.23		TYPICAL DEADMAN SECTION AND DETAIL					
NOT FOR CONSTRUCTION					THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED				SCALE (A3)	AS SHOWN	DWG No.	1089395.3001-32	REV	A
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE								



NOTES:

1. LONG SECTION BASED ON GROUND SURFACE INFORMATION SUPPLIED BY D.O SURVEYORS LTD. AS A DWG FILE ON 26.07.23
2. LEVELS TO NZVD2016.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFICATION, LOCATION AND PROTECTION/REINSTATEMENT OF SERVICES.



A	TENDER ISSUE	DJAA	DJA	Oct.23	DESIGNED	D AVERILL	Oct.23	DRAWING STATUS	CLIENT NELSON CITY COUNCIL PROJECT CABLE BAY ROAD REMEDIAL WORKS TITLE SLIP 3 - RP6.500 - UNDERSLIP LONG SECTION
					DRAWN	D AVERILL	Oct.23	TENDER ISSUE	
					DESIGN CHECKED	D ANDREWS	Oct.23	PROJECT PHASE	
					DRAWING CHECKED	D ANDREWS	Oct.23	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS SIGNED AS APPROVED	
NOT FOR CONSTRUCTION									
REV	DESCRIPTION	CAD	CHK	DATE	APPROVED	DATE	SCALE (A3) 1:100 DWG No. 1089395.3001-33 REV A		