

NELSON CITY COUNCIL

Cable Bay Road Remediation, Contract No: EC 3424

Tender Issue

DRAWING Rev Title

GENERAL INFORMATION - SITE 19

- 870982.1019-00 A Location Plan and Drawing List
- 870982.1019-01 A Existing Site and Site Investigation Plan
- 870982.1019-02 A Working Areas & Erosion Sediment Control Plan

RETAINING WALL DESIGN - SITE 19

- 870982.1019-10 A General Arrangement
- 870982.1019-20 A Cross Section and Elevation
- 870982.1019-30 A Typical Timber Pole Retaining Wall Detail

CULVERT UPGRADE DESIGN - SITE 19

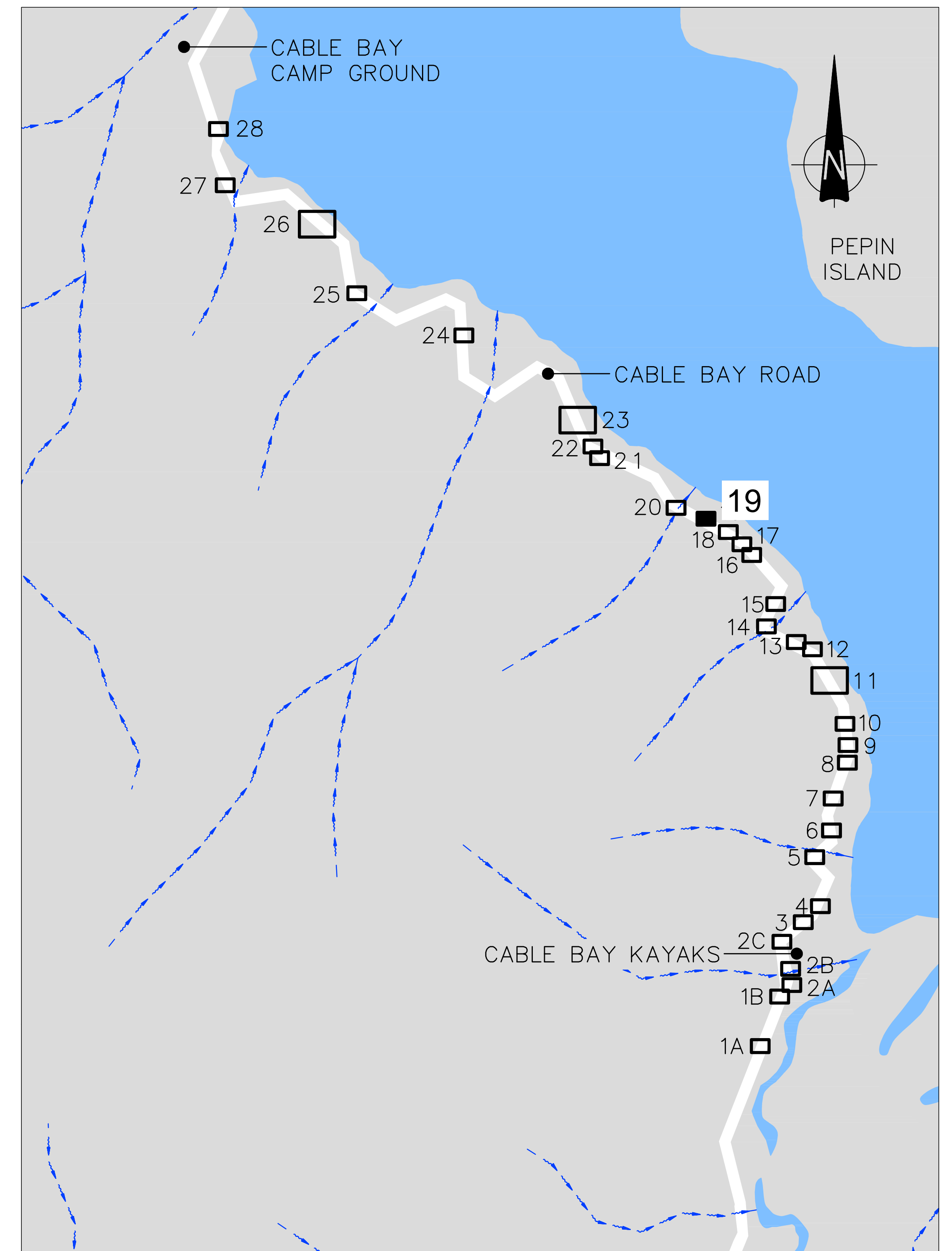
- 870982.1019-40 A Culvert Section and Detail

• Denotes drawing this issue: 08/05/2013



Topomap sourced from Land Information New Zealand data (Crown Copyright Reserved).

LOCALITY MAP
SCALE 1: 100,000



SITE LOCATION PLAN
SCALE 1:5,000

 Nelson City Council te kaunihera o whakatū NETWORK SERVICES DEPARTMENT	APPROVED EXECUTIVE MANAGER NETWORK SERVICES
	DATE: 15/4/2013 REV:
NCC Plan No. 19-0076	

DRAWING STATUS: TENDER ISSUE

DESIGNED :	DJA	Oct. 12
DRAWN :	AMC	Oct. 12
DESIGN CHECKED :		
DRAFTING CHECKED :		
CADFILE :	\\870982.1019-00.dwg	
APPROVED :	NOT FOR CONSTRUCTION	
This drawing is not to be used for construction purposes unless signed as approved		
REVISION DESCRIPTION	BY	DATE
1 Consultation Issue	MRF	5/11/12

NOTES :
REFERENCE :

Tonkin & Taylor
 Environmental and Engineering Consultants
 43 Halifax St, Nelson
 Tel. (03) 546 6339 Fax. (03) 546 7619
 www.tonkin.co.nz

CLIENT, PROJECT	NELSON CITY COUNCIL CABLE BAY ROAD REMEDIATION	
TITLE	GENERAL INFORMATION - SITE 19 Location Plan and Drawing List	
SCALES (AT A1 SIZE)	DWG. No.	REV.
AS SHOWN	870982.1019-00	A



LEGEND	
	Approximate edge of seal
	Property Boundary
	Landslip head scarp
	Existing contours (5m interval)
	Existing contours (0.5m interval)
	Fibre optic cable
	Stormwater Flow Path
	Existing Watercourse
	Existing Culvert Pipe
	SC Scala penetrometer test location
	DH 1 Drillhole test location
	AH 1 Machine auger hole location
	PH 1 Fibre optic pothole location
	Distance along road alignment (From State Highway 6 intersection)

A3 SCALE 1:200
A1 SCALE 1:100
0 1 2 3 4 6 8 10 (m)

 Nelson City Council te kaunihera o whakatū NETWORK SERVICES DEPARTMENT	APPROVED EXECUTIVE MANAGER NETWORK SERVICES
	DATE .15./4./20.13.....
NCC Plan No.	19-0076

DRAWING STATUS: TENDER ISSUE

DESIGNED :	MPD	Oct. 12
DRAWN :	DWM	Oct. 12
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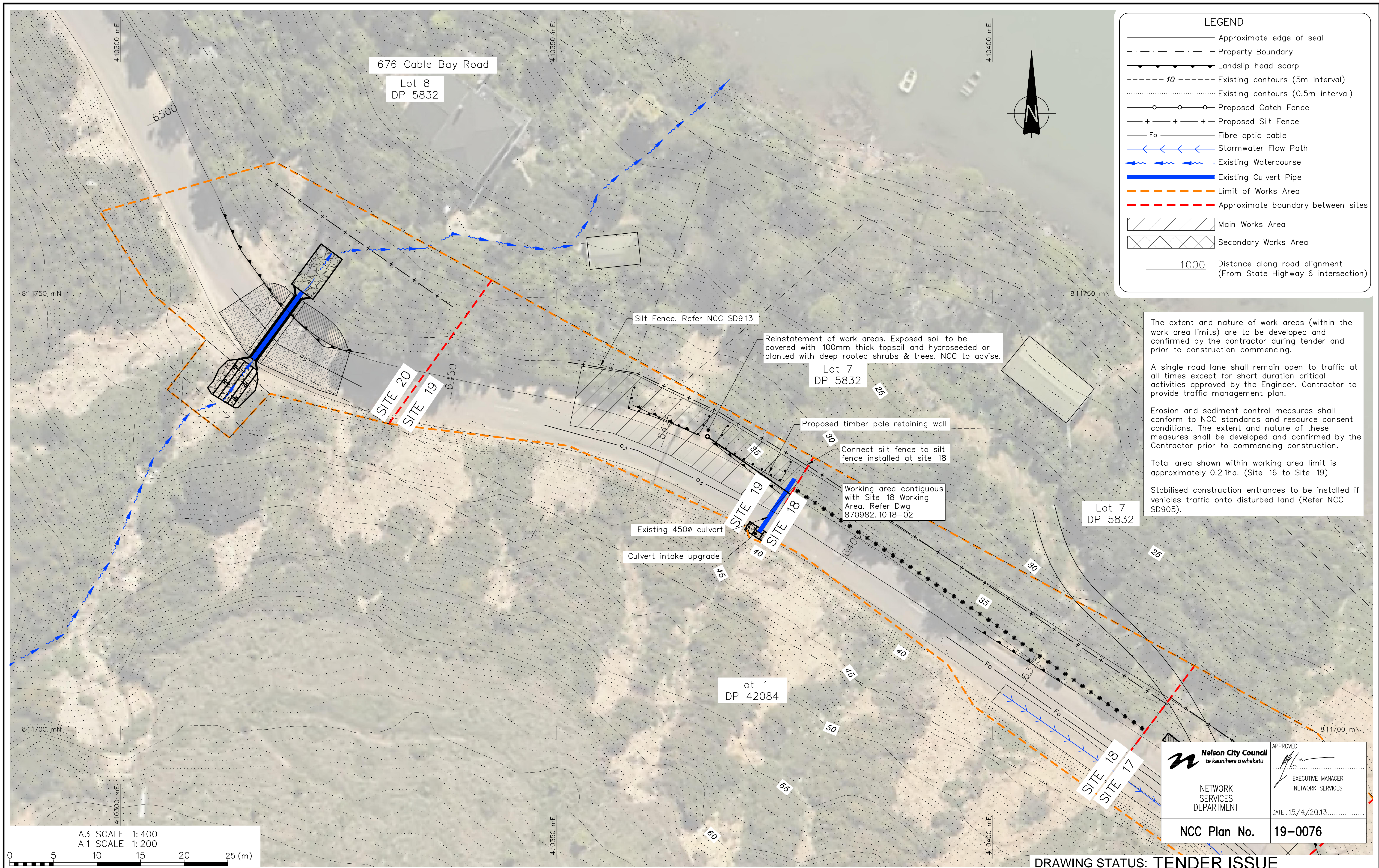
NOTES :

- Nelson Circuit (2000) coordinates. Levels to NCC Datum.
- The Contractor shall confirm the location/depth of all services prior to any excavation.
- All works shall comply with the latest version of the NCC Land Development Manual and all amendments.
- Works outside the reconstruction area shall be reinstated as per NCC Land Development Manual.
- Special care shall be taken to ensure there is no damage to fences and gardens on private property. Any damage is to be repaired promptly at the Contractor's cost.
- Property boundaries, services location and culvert location supplied by DOP Ltd.

REFERENCE : LiDAR contours and aerial photos supplied by NCC.

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CLIENT, PROJECT	NELSON CITY COUNCIL CABLE BAY ROAD REMEDIATION	
TITLE	GENERAL INFORMATION – SITE 19 Existing Site and Site Investigation Plan	
SCALES (AT A1 SIZE)	DWG. No.	REV.
1:100	870982.1019-01	A



The extent and nature of work areas (within the work area limits) are to be developed and confirmed by the contractor during tender and prior to construction commencing.

A single road lane shall remain open to traffic at all times except for short duration critical activities approved by the Engineer. Contractor to provide traffic management plan.

Erosion and sediment control measures shall conform to NCC standards and resource consent conditions. The extent and nature of these measures shall be developed and confirmed by the Contractor prior to commencing construction.

Total area shown within working area limit is approximately 0.21ha. (Site 16 to Site 19)

Stabilised construction entrances to be installed if vehicles traffic onto disturbed land (Refer NCC SD905).

Nelson City Council
 te kaunihera o whakatū

NETWORK SERVICES DEPARTMENT

APPROVED
 EXECUTIVE MANAGER
 NETWORK SERVICES
 DATE: 15/4/2013

NCC Plan No. 19-0076

DRAWING STATUS: TENDER ISSUE

DESIGNED :	MPD	Oct. 12
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CADFILE :	\\870982.10 19-02.dwg	
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1 Consultation Issue	MRF	5/11/12

NOTES :

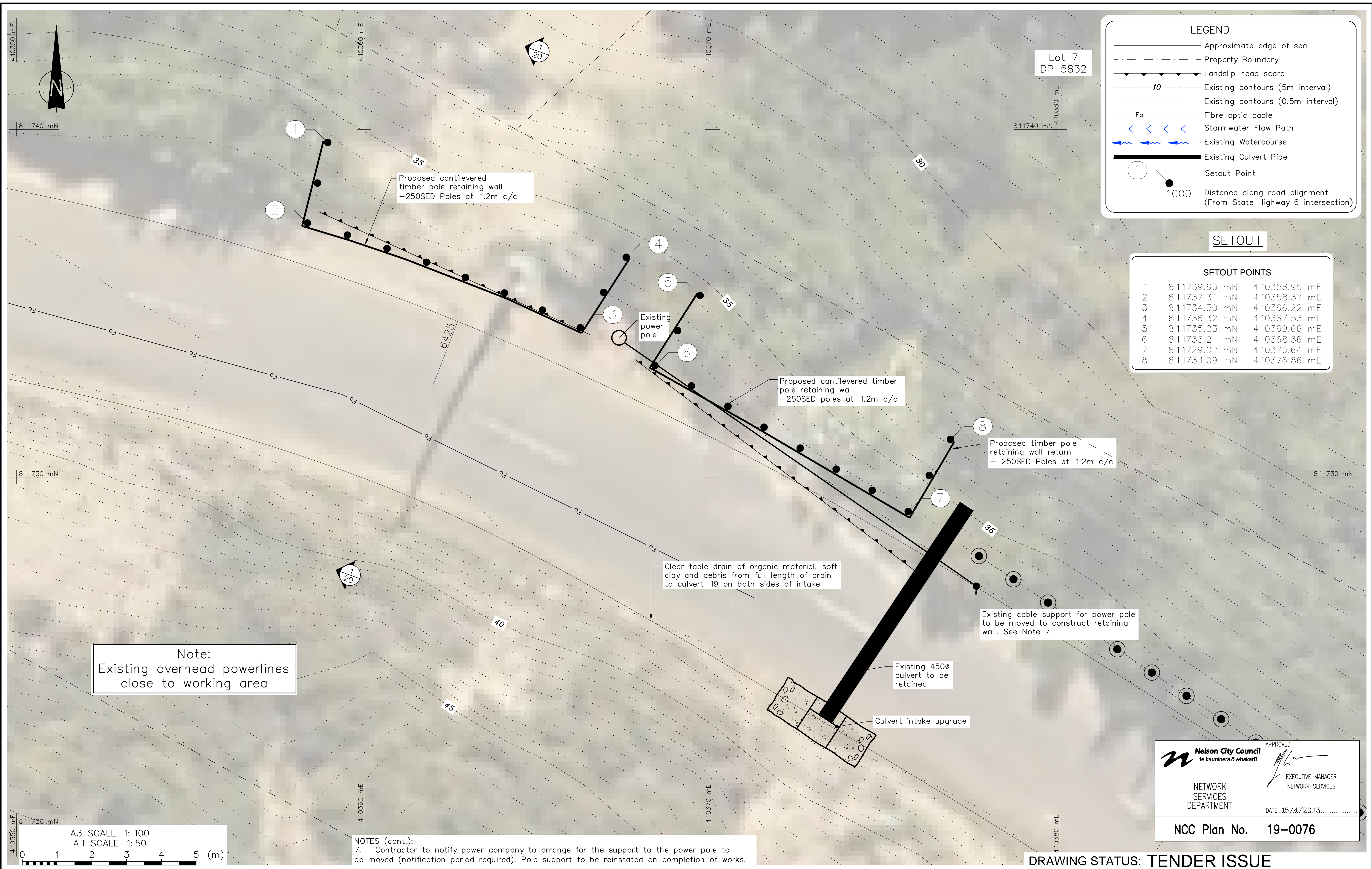
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CLIENT, PROJECT	NELSON CITY COUNCIL	
	CABLE BAY ROAD REMEDIATION	
TITLE	GENERAL INFORMATION - SITE 19	
	Working Areas & Erosion Sediment Control Plan	
SCALES (AT A1 SIZE)	DWG. No.	REV.
1:200	870982.10 19-02	A



LEGEND

- Approximate edge of seal
- - - Property Boundary
- ▲ Landslip head scarp
- - - 10 Existing contours (5m interval)
- - - Existing contours (0.5m interval)
- Fo Fibre optic cable
- ← Stormwater Flow Path
- ← Existing Watercourse
- Existing Culvert Pipe
- Setout Point
- 1000 Distance along road alignment (From State Highway 6 intersection)

SETOUT

SETOUT POINTS		
1	8 11739.63 mN	4 10358.95 mE
2	8 11737.31 mN	4 10358.37 mE
3	8 11734.30 mN	4 10366.22 mE
4	8 11736.32 mN	4 10367.53 mE
5	8 11735.23 mN	4 10369.66 mE
6	8 11733.21 mN	4 10368.36 mE
7	8 11729.02 mN	4 10375.64 mE
8	8 1173 1.09 mN	4 10376.86 mE

Note:
Existing overhead powerlines close to working area

NOTES (cont.):
7. Contractor to notify power company to arrange for the support to the power pole to be moved (notification period required). Pole support to be reinstated on completion of works.

Nelson City Council
te kaunihera o whakatū

APPROVED
EXECUTIVE MANAGER
NETWORK SERVICES

DATE: 15/4/2013

NCC Plan No. 19-0076

DRAWING STATUS: TENDER ISSUE

REVISION DESCRIPTION	BY	DATE
1 Consultation Issue	MPD	Nov.12

DESIGNED :	dja	Jan.13
DRAWN :	amc	Jan.13
DESIGN CHECKED :		
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CADFILE :	\\870982.1019-10.dwg	
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NOTES :

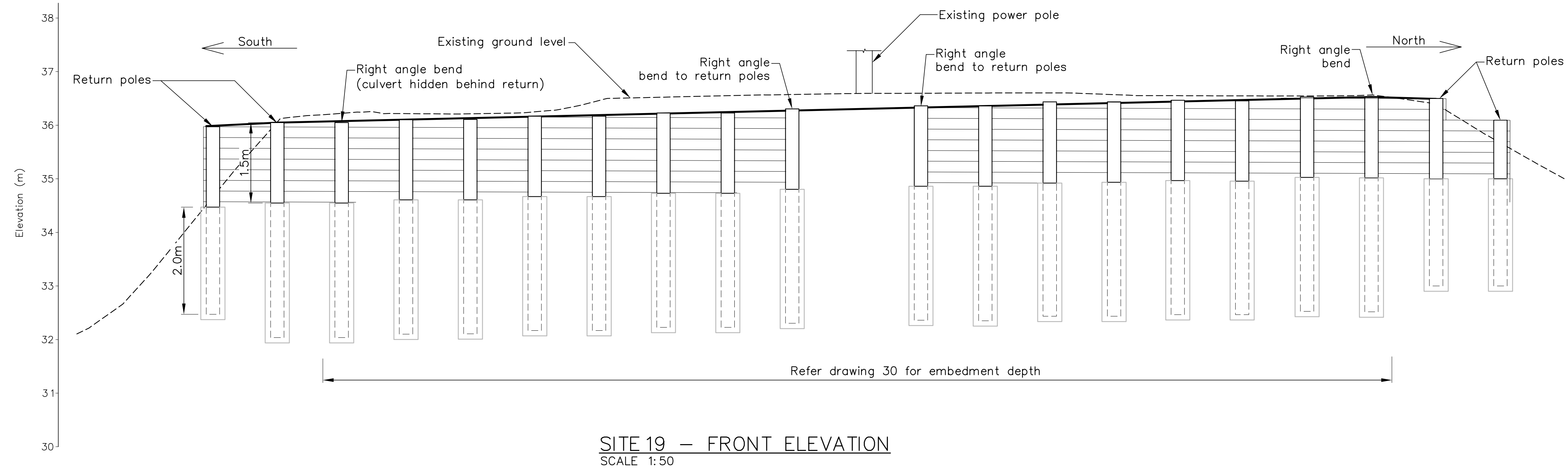
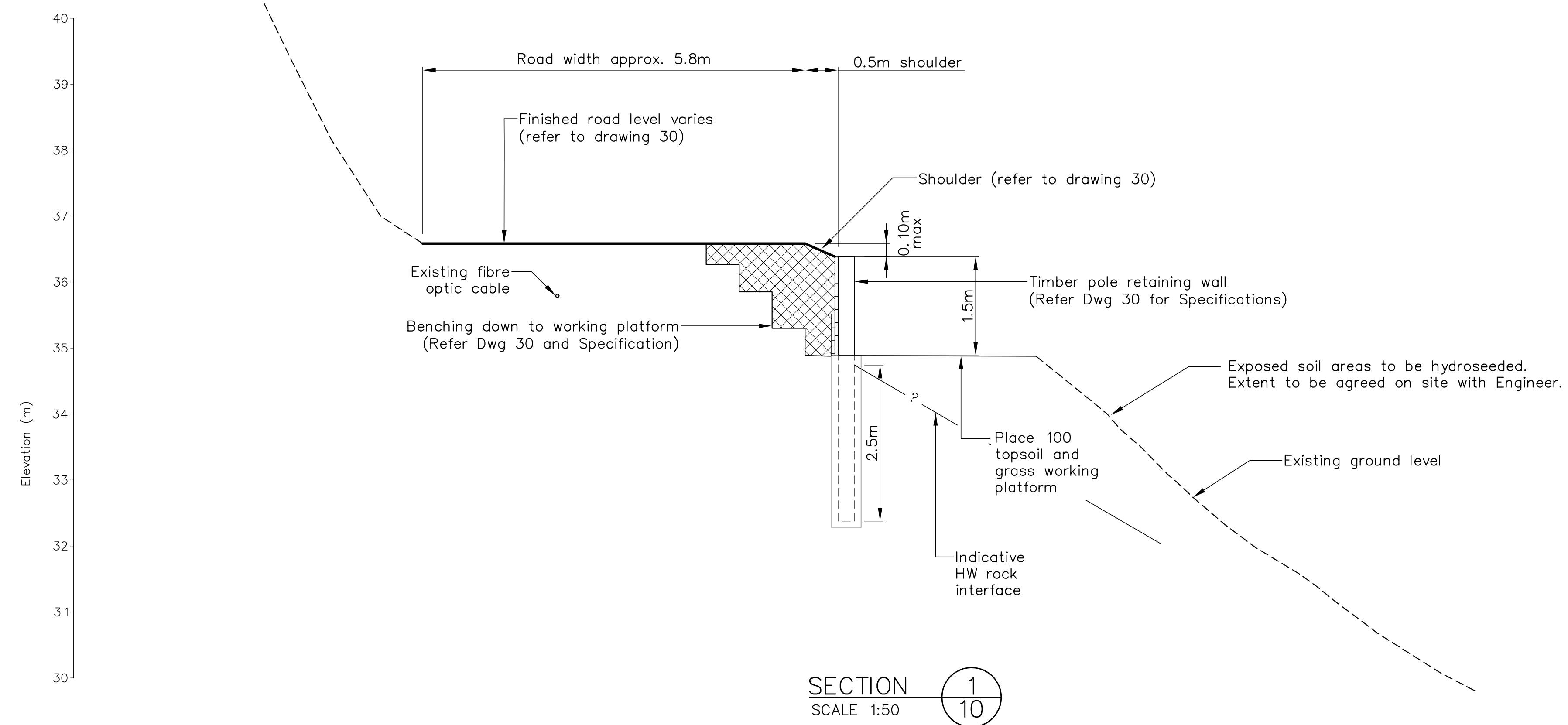
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- Property boundaries, services location and culvert location supplied by DOP Ltd.

REFERENCE : LiDAR contours and aerial photos supplied by NCC.

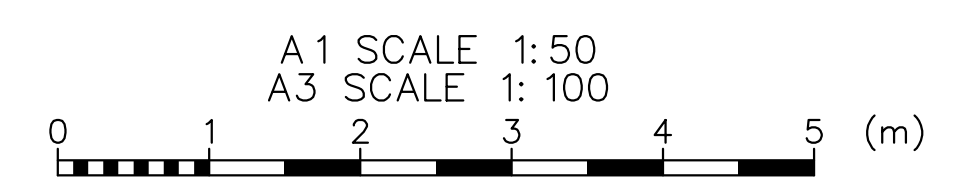
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CLIENT, PROJECT	NELSON CITY COUNCIL CABLE BAY ROAD REMEDIATION
TITLE	RETAINING WALL DESIGN – SITE 19 General Arrangement
SCALES (AT A1 SIZE)	1:50
DWG. No.	870982.1019-10
REV.	A



- NOTES (cont):
7. No soil to be stockpiled on site during periods of wet weather
 8. No soil to be stockpiled overnight on slopes steeper than 2H: 1V
 9. Pile embedment to be confirmed on site by the Engineer
 10. The termination of the retaining structures to be agreed with Engineer on site prior to construction



<p>Nelson City Council te kaunihera o whakatū</p> <p>NETWORK SERVICES DEPARTMENT</p>	<p>APPROVED</p> <p>EXECUTIVE MANAGER NETWORK SERVICES</p>
	<p>DATE: 15/4/2013</p>
<p>NCC Plan No. 19-0076</p>	

DRAWING STATUS: TENDER ISSUE

DESIGNED :	DJA	Nov. 12
DRAWN :	AMC	Nov. 12
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REVISION DESCRIPTION	BY	DATE
1 Consultation Issue	MRF	5/11/12

- NOTES :
1. All dimensions are in millimetres unless noted otherwise
 2. Contractor to set out wall as per coordinates shown on sheet 10, Engineer and Client to verify wall location prior to commencement of augering of pole holes.
 3. All cut faces of poles and lagging shall be coated with two layers of Enselve preservative paint or Engineer-approved similar.
 4. Contractor is fully responsible for the location of all services prior to commencement of works.
 5. Contractor to provide As-Built Drawings and PS3 on completion of works.
 6. All works are to be inspected and approved by the Engineer
- REFERENCE :

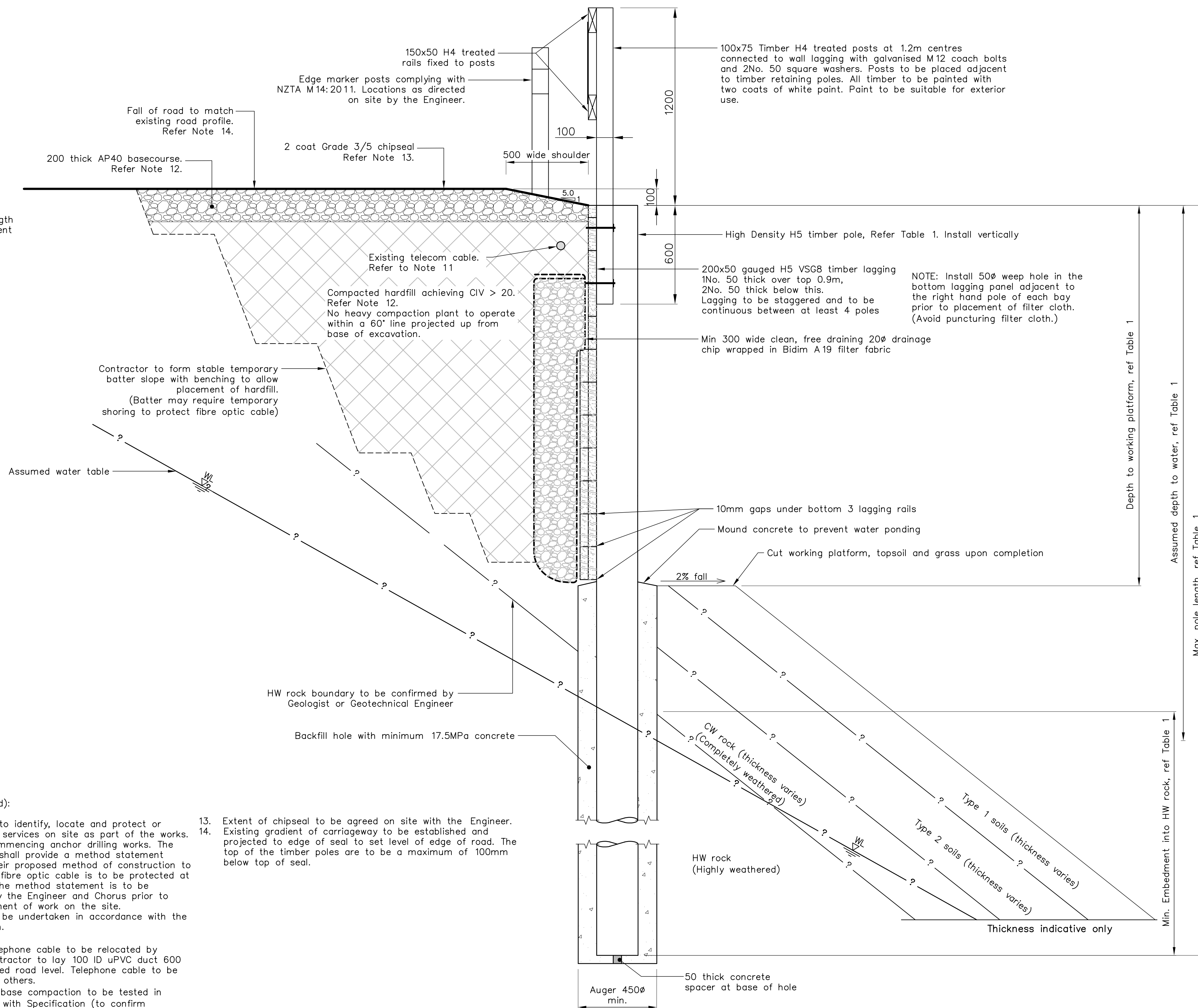
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CLIENT, PROJECT	NELSON CITY COUNCIL CABLE BAY ROAD REMEDIATION	
TITLE	RETAINING WALL DESIGN - SITE 19 Cross Section and Elevation	
SCALES (AT A1 SIZE)	1:50	DWG. No. 870982.1019-20
REV.	A	

Min. pole diameter	250 High Density SED
Min. pole spacing	1.2m c/c
Minimum Embedment into HW rock	2.5m
Depth to working platform below top of poles	1.5m
Assumed depth to ground water	3.0m
Max pole length	4.0m

Pole length to be determined by minimum embedment into HW rock or max pole length i.e Poles can be cut if minimum embedment into rock is achieved.



NOTES (continued):

- Contractor to identify, locate and protect or relocate all services on site as part of the works.
- Prior to commencing anchor drilling works. The Contractor shall provide a method statement detailing their proposed method of construction to ensure the fibre optic cable is to be protected at all times. The method statement is to be approved by the Engineer and Chorus prior to commencement of work on the site.
- All work to be undertaken in accordance with the specification.
- N/A
- Existing Telephone cable to be relocated by others, Contractor to lay 100 ID uPVC duct 600 below finished road level. Telephone cable to be installed by others.
- Fill and subbase compaction to be tested in accordance with Specification (to confirm thickness of metal course) prior to placing overlying basecourse and chipseal
- Contractor to form stable temporary batter slope with benching to allow placement of hardfill. (Batter may require temporary shoring to protect fibre optic cable)
- Extent of chipseal to be agreed on site with the Engineer.
- Existing gradient of carriageway to be established and projected to edge of seal to set level of edge of road. The top of the timber poles are to be a maximum of 100mm below top of seal.

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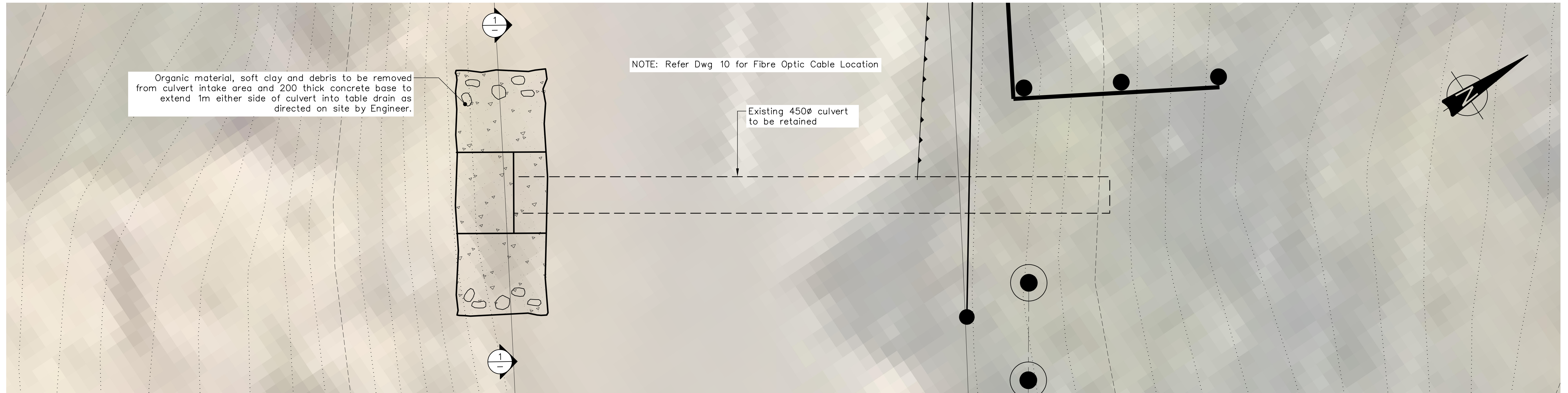
DRAWING STATUS: TENDER ISSUE

DESIGNED :	DJA	Jan. 13	<p>NOTES :</p> <ol style="list-style-type: none"> All dimensions are in millimetres unless noted otherwise. Place Malthold paper between all steel - timber contacts. All cuts & holes in timber to be treated with 'Ensele' or similar approved. Contractor to set out wall and confirm setout with Engineer and Client before proceeding with construction. HW rock TBC on site by suitably experienced Geotechnical Engineer or Engineering Geologist Type 1 soils have scala blow counts < 2/50mm. Type 2 soils have scala blows > 2/50mm
DRAWN :	AMC	Jan. 13	
DESIGN CHECKED :			
DRAFTING CHECKED :			
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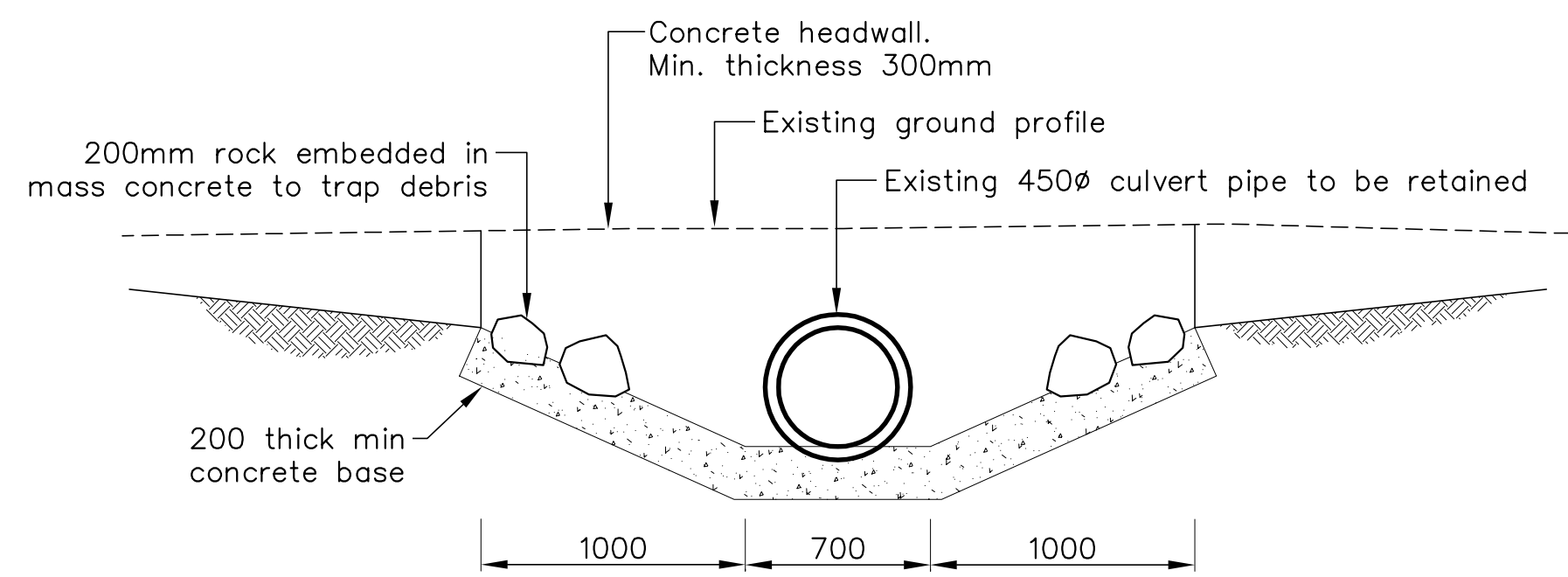
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CLIENT, PROJECT	NELSON CITY COUNCIL CABLE BAY ROAD REMEDIATION	
TITLE	RETAINING WALL DESIGN - SITE 19 Typical Timber Pole Retaining Wall Detail	
SCALES (AT A1 SIZE)	DWG. No.	REV.
N.T.S	870982.1019-30	A



CULVERT DETAIL
SCALE 1:25



SECTION 1
SCALE 1:25

NOTE: Concrete to be reinforced with 664 mesh.

A1 SCALE 1:25
A3 SCALE 1:50

0 0.5 1.0 1.5 2.0 2.5 (m)

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TITLE	CULVERT UPGRADE DESIGN – SITE 19	
	Culvert Section and Detail	
SCALES (AT A1 SIZE)	DWG. No.	REV.
1:25	870982.1019-40	A