



SCOPE OF WORKS

2025 DRFA RESTORATION WORKS – PACKAGE 1

CONTRACT NO: ESC2026-005

Scope of Works Package

An overall sketch of the road network within Burke Shire Council is attached to this section to assist the tenderer in planning the works.

Gravel pit expansion plans, typical sections, setout legend and compaction testing specifications have been provided for the major treatment types to provide detail of the works required for each treatment type.

A construction package is attached to this section and includes the following key information to detail the scope of works required:

- **Form 4**
 - The Form 4 details the approved scope of works to be completed for each road and includes a line number (on the left-hand side of the page) to identify each individual work site (also referred to as a line item). The Form 4 provides the location, treatment type, dimensions, and approved quantities for each line item/site.
- **Construction Sketch**
 - The construction sketch details the location of each individual line item. These line items correspond to each work site and scope listed in the Form 4. The start of each line item is represented with the corresponding number and the end of each line item has the letter "A" added to the number. E.g., Line 3, the start chainage is shown as "3" and end chainage is shown as "3A".
- **Work Summary Descriptions**
 - This table details each different treatment type and the scope required to complete the work.

ATTACHMENTS

Attachment 1 – Overall Shire Roads Sketch

Attachment 2 – Gravel Pit Expansion Plan

Attachment 3 – Typical Sections, Setout Legend, and Compaction Testing Requirements

Attachment 4 – Carnes Road Construction Document

Attachment 5 – Langolovale Road Construction Document

Attachment 6 – Little River Road Construction Document

Attachment 7 – Littleton Road Construction Document

Attachment 8 – Mount Little Road Construction Document

Attachment 9 – Paddys Road Construction Document

Attachment 10 – Torrlinger Road Construction Document

Attachment 1 – Overall Shire Roads Sketch



MAREEBA
SHIRE COUNCIL

MOUNT SURPRISE
REFER DRAWING 162-000-2-SK08

CROYDON SHIRE
COUNCIL












ETHERIDGE
SHIRE COUNCIL

CHARTERS TOWERS
REGIONAL COUNCIL

RICHMOND
SHIRE COUNCIL

FLINDERS
SHIRE COUNCIL

LEGEND

-  PROPERTY BOUNDARIES
-  WATERCOURSES
-  SHIRE BOUNDARIES
-  ZONE 1 AREA (REFER DRAWING 162-000-2-SK02)
-  ZONE 2 AREA (REFER DRAWING 162-000-2-SK03)
-  ZONE 3 AREA (REFER DRAWING 162-000-2-SK04)
-  ZONE 4 AREA (REFER DRAWING 162-000-2-SK05)
-  ZONE 5 AREA (REFER DRAWING 162-000-2-SK06)
-  STATE CONTROLLED ROAD
-  SHIRE ROAD CENTRELINE
-  ROAD CHAINAGE DIRECTION

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1					



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DESIGN		APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL	
DRAWING REF	OVERALL LAYOUT	
DRAWING NO	162-000-02-SK01	SIZE A3
REVISION	1	

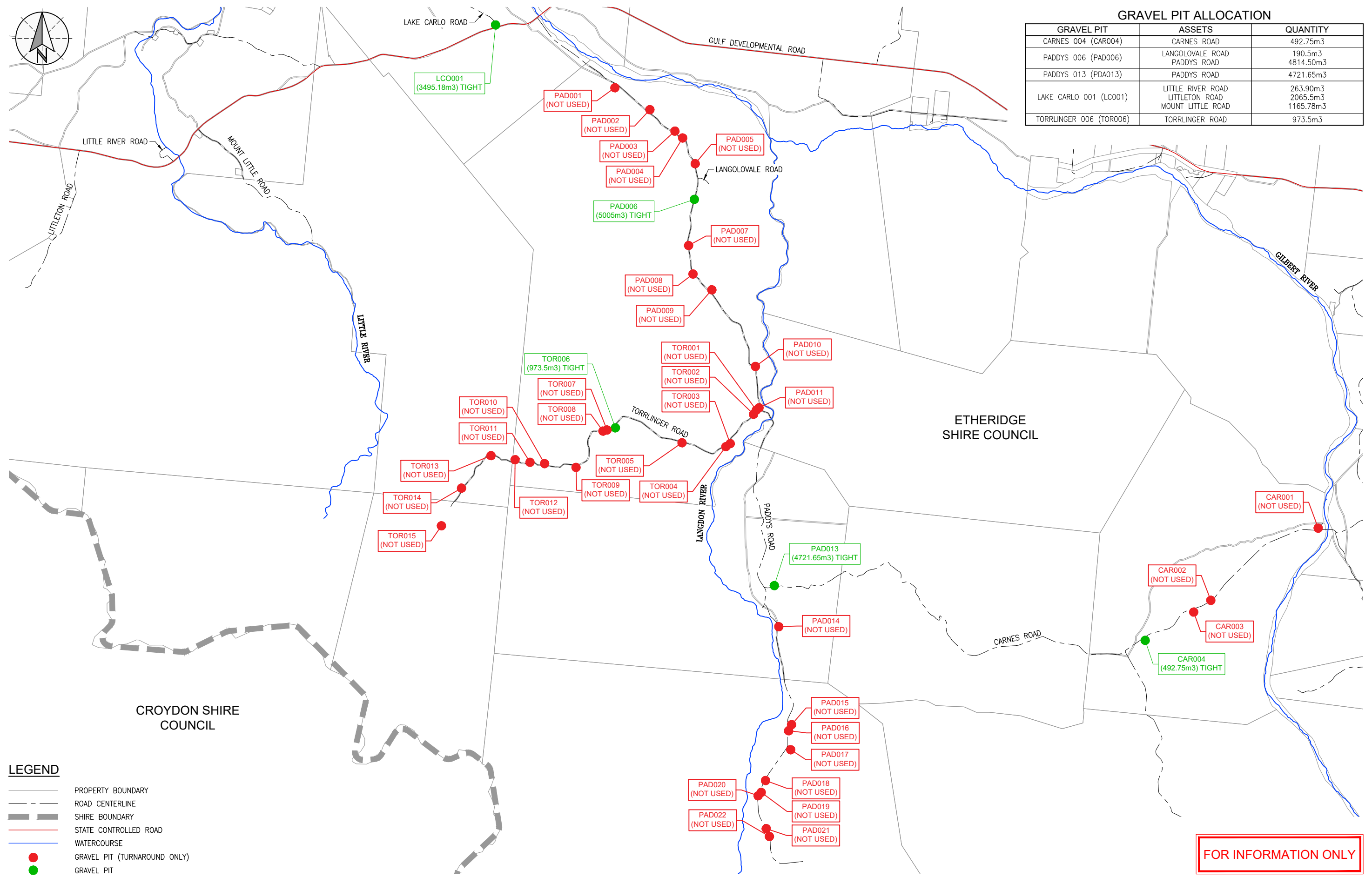
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Attachment 2 – Gravel Pit Expansion Plan



GRAVEL PIT ALLOCATION

GRAVEL PIT	ASSETS	QUANTITY
CARNES 004 (CAR004)	CARNES ROAD	492.75m ³
PADDYS 006 (PAD006)	LANGOLOVALE ROAD PADDYS ROAD	190.5m ³ 4814.50m ³
PADDYS 013 (PDA013)	PADDYS ROAD	4721.65m ³
LAKE CARLO 001 (LCO01)	LITTLE RIVER ROAD LITTLETON ROAD MOUNT LITTLE ROAD	263.90m ³ 2065.5m ³ 1165.78m ³
TORRLINGER 006 (TOR006)	TORRLINGER ROAD	973.5m ³



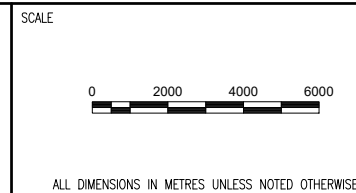
LEGEND

- PROPERTY BOUNDARY
- ROAD CENTERLINE
- SHIRE BOUNDARY
- STATE CONTROLLED ROAD
- WATERCOURSE
- GRAVEL PIT (TURNAROUND ONLY)
- GRAVEL PIT

FOR INFORMATION ONLY

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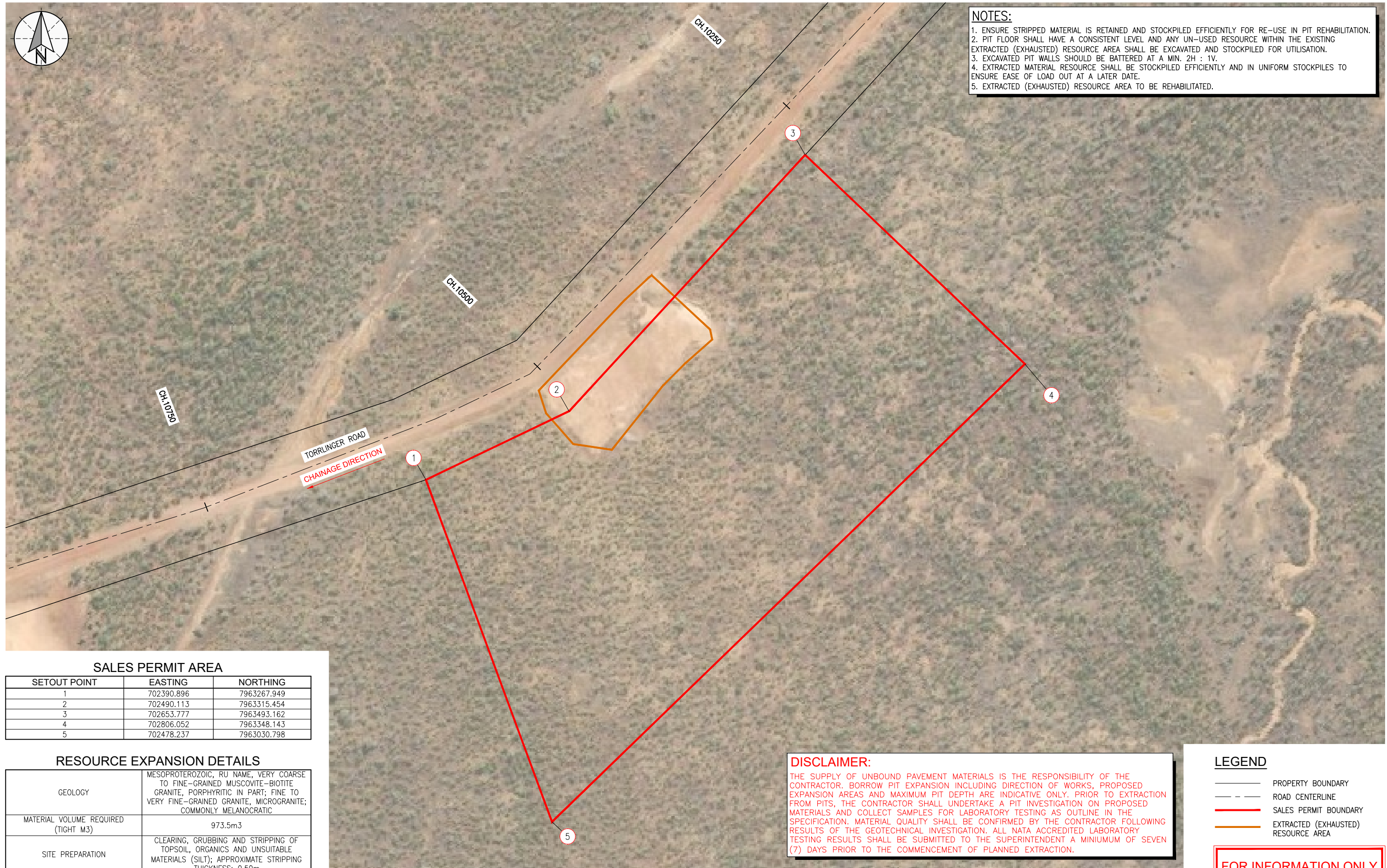
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CIVIL SIGNOFF APPROVAL		
DATE:		RPEG:

PROJECT REF	2025 DRFA RESTORATION WORKS ETHERIDGE SHIRE COUNCIL		
DRAWING REF	PACKAGE 1 RESOURCE PLAN		
DRAWING NO	162-000-1-P1-SK0001	SIZE	A1
REVISION			1



NOTES:

1. ENSURE STRIPPED MATERIAL IS RETAINED AND STOCKPILED EFFICIENTLY FOR RE-USE IN PIT REHABILITATION.
2. PIT FLOOR SHALL HAVE A CONSISTENT LEVEL AND ANY UN-USED RESOURCE WITHIN THE EXISTING EXTRACTED (EXHAUSTED) RESOURCE AREA SHALL BE EXCAVATED AND STOCKPILED FOR UTILISATION.
3. EXCAVATED PIT WALLS SHOULD BE BATTERED AT A MIN. 2H : 1V.
4. EXTRACTED MATERIAL RESOURCE SHALL BE STOCKPILED EFFICIENTLY AND IN UNIFORM STOCKPILES TO ENSURE EASE OF LOAD OUT AT A LATER DATE.
5. EXTRACTED (EXHAUSTED) RESOURCE AREA TO BE REHABILITATED.



SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	702390.896	7963267.949
2	702490.113	7963315.454
3	702653.777	7963493.162
4	702806.052	7963348.143
5	702478.237	7963030.798

RESOURCE EXPANSION DETAILS

GEOLOGY	MESOPROTEROZOIC, RU NAME, VERY COARSE TO FINE-GRAINED MUSCOVITE-BIOTITE GRANITE, PORPHYRITIC IN PART; FINE TO VERY FINE-GRAINED GRANITE, MICROGRANITE; COMMONLY MELANOCRATIC
MATERIAL VOLUME REQUIRED (TIGHT M3)	973.5m3
SITE PREPARATION	CLEARING, GRUBBING AND STRIPPING OF TOPSOIL, ORGANICS AND UNSUITABLE MATERIALS (SILT); APPROXIMATE STRIPPING THICKNESS: 0.50m
MAXIMUM PIT DEPTH	3.0m
APPROXIMATE AREA	324.5m2

DISCLAIMER:

THE SUPPLY OF UNBOUND PAVEMENT MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. BORROW PIT EXPANSION INCLUDING DIRECTION OF WORKS, PROPOSED EXPANSION AREAS AND MAXIMUM PIT DEPTH ARE INDICATIVE ONLY. PRIOR TO EXTRACTION FROM PITS, THE CONTRACTOR SHALL UNDERTAKE A PIT INVESTIGATION ON PROPOSED MATERIALS AND COLLECT SAMPLES FOR LABORATORY TESTING AS OUTLINE IN THE SPECIFICATION. MATERIAL QUALITY SHALL BE CONFIRMED BY THE CONTRACTOR FOLLOWING RESULTS OF THE GEOTECHNICAL INVESTIGATION. ALL NATA ACCREDITED LABORATORY TESTING RESULTS SHALL BE SUBMITTED TO THE SUPERINTENDENT A MINIMUM OF SEVEN (7) DAYS PRIOR TO THE COMMENCEMENT OF PLANNED EXTRACTION.

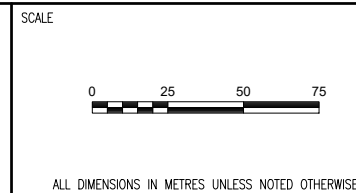
LEGEND

- PROPERTY BOUNDARY
- ROAD CENTERLINE
- SALES PERMIT BOUNDARY
- EXTRACTED (EXHAUSTED) RESOURCE AREA

FOR INFORMATION ONLY

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CIVIL SIGNOFF APPROVAL		
DATE:		RPE:

PROJECT REF	ETHERIDGE SHIRE COUNCIL GRAVEL PIT PLAN		
DRAWING REF	TORRLINGER 006 TOR006		
DRAWING NO	162-000-1-TOR006-SK101	SIZE	A1
REVISION			1



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SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	707104.303	7976363.904
2	707126.151	7976360.016
3	707189.131	7976355.686
4	707231.201	7976344.164
5	707227.432	7976308.336
6	707223.083	7976297.201
7	707216.702	7976293.838
8	707198.978	7976278.087
9	707176.518	7976264.380
10	707169.619	7976242.313
11	707158.826	7976222.059
12	707131.981	7976213.602
13	707099.891	7976218.928
14	707091.335	7976249.353
15	707099.719	7976301.405
16	707095.131	7976327.137

RESOURCE EXPANSION DETAILS

GEOLGY	QUATERNARY, RU NAME, CLAY, SILT, SAND AND GRAVEL; FLOOD-PLAIN ALLUVIUM. QA-QLD. CLAY, SILT, SAND AND GRAVEL; FLOOD-PLAIN ALLUVIUM
MATERIAL VOLUME REQUIRED (TIGHT M3)	5005m3
SITE PREPARATION	CLEARING, GRUBBING AND STRIPPING OF TOPSOIL, ORGANICS AND UNSUITABLE MATERIALS (SILT); APPROXIMATE STRIPPING THICKNESS: 0.50m
MAXIMUM PIT DEPTH	3.0m
APPROXIMATE AREA	1668.33m2

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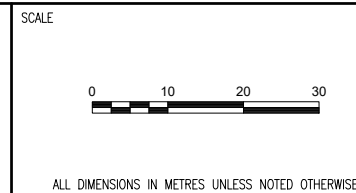
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- PROPERTY BOUNDARY
- ROAD CENTERLINE
- SALES PERMIT BOUNDARY

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PLOT DATE: 30/04/2026 8:57:46 AM
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DRAWING REF	PADDYS 006 PAD06		
DRAWING NO	162-000-1-PAD006-SK101	SIZE	A1
		REVISION	1



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SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	695741.459	7986198.443
2	695768.673	7986211.341
3	695785.323	7986215.379
4	695794.202	7986214.625
5	695814.497	7986181.433
6	695811.640	7986170.835
7	695791.160	7986143.810
8	695761.181	7986129.501
9	695751.808	7986144.208

RESOURCE EXPANSION DETAILS

GEOLOGY	QUATERNARY, RU NAME, CLAY, SILT, SAND AND GRAVEL; FLOOD-PLAIN ALLUVIUM. QA-QLD. CLAY, SILT, SAND AND GRAVEL; FLOOD-PLAIN ALLUVIUM
MATERIAL VOLUME REQUIRED (TIGHT M3)	3495.18m3
SITE PREPARATION	CLEARING, GRUBBING AND STRIPPING OF TOPSOIL, ORGANICS AND UNSUITABLE MATERIALS (SILT); APPROXIMATE STRIPPING THICKNESS: 0.50m
MAXIMUM PIT DEPTH	3.0m
APPROXIMATE AREA	1165.06m2

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LEGEND

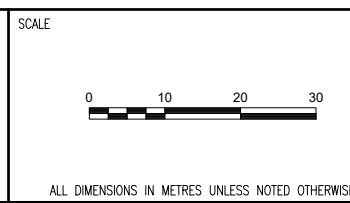
--- ROAD CENTERLINE

--- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

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CIVIL SIGNOFF APPROVAL		
DATE:		RPEG:

PROJECT REF	ETHERIDGE SHIRE COUNCIL GRAVEL PIT PLAN		
DRAWING REF	LAKE CARLO 001 LCO001		
DRAWING NO	162-000-1-LCO001-SK101	SIZE	A1
		REVISION	1



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SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	711515.369	7954394.276
2	711685.433	7954407.194
3	711740.269	7954246.989
4	711508.563	7954214.882

RESOURCE EXPANSION DETAILS

GEOLOGY	QUATERNARY, RU NAME, CLAY, SILT, SAND AND GRAVEL; FLOOD-PLAIN ALLUVIUM. QA-QLD. CLAY, SILT, SAND AND GRAVEL; FLOOD-PLAIN ALLUVIUM
MATERIAL VOLUME REQUIRED (TIGHT M3)	4721.65m3
SITE PREPARATION	CLEARING, GRUBBING AND STRIPPING OF TOPSOIL, ORGANICS AND UNSUITABLE MATERIALS (SILT); APPROXIMATE STRIPPING THICKNESS: 0.50m
MAXIMUM PIT DEPTH	3.0m
APPROXIMATE AREA	1573.88m2

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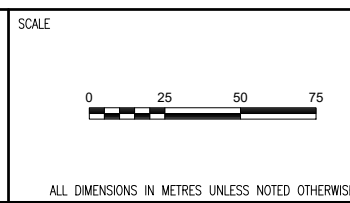
LEGEND

- ROAD CENTERLINE
- SALES PERMIT BOUNDARY
- EXTRACTED (EXHAUSTED) RESOURCE AREA

FOR INFORMATION ONLY

PLOT DATE: 30/04/2026 8:57:51 AM FILE LOCATION: D:\Northlane Pty Ltd Dropbox\162 Etheridge Shire Council\Gravel Pit Drawings\162-000-1-PAD013-SK101-PAD0013.dwg

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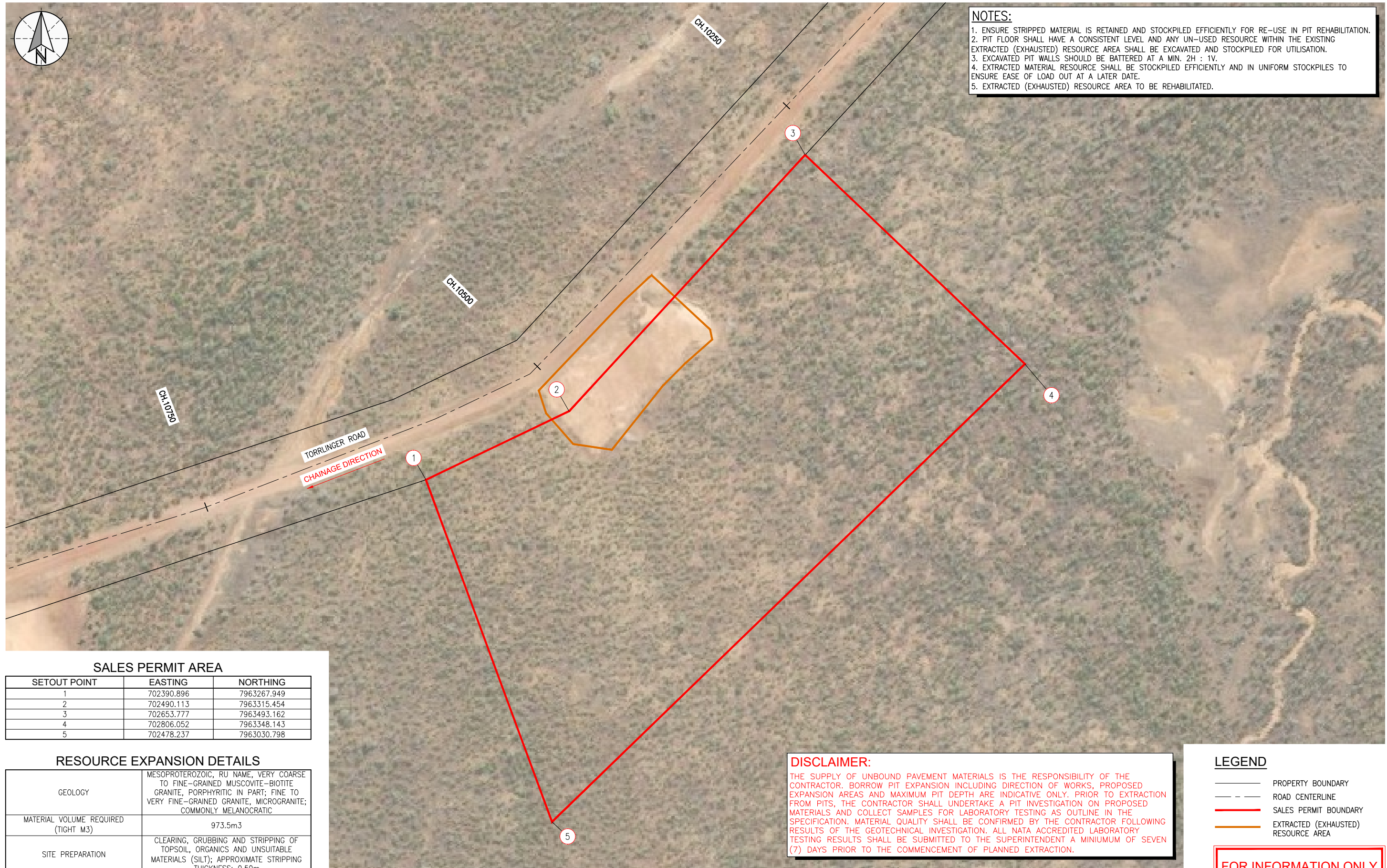
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DRAWING REF	PADDYS 013 PAD013		
DRAWING NO	162-000-1-PAD013-SK101	SIZE	A1
REVISION			1



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SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	702390.896	7963267.949
2	702490.113	7963315.454
3	702653.777	7963493.162
4	702806.052	7963348.143
5	702478.237	7963030.798

RESOURCE EXPANSION DETAILS

GEOLOGY	MESOPROTEROZOIC, RU NAME, VERY COARSE TO FINE-GRAINED MUSCOVITE-BIOTITE GRANITE, PORPHYRITIC IN PART; FINE TO VERY FINE-GRAINED GRANITE, MICROGRANITE; COMMONLY MELANOCRATIC
MATERIAL VOLUME REQUIRED (TIGHT M3)	973.5m3
SITE PREPARATION	CLEARING, GRUBBING AND STRIPPING OF TOPSOIL, ORGANICS AND UNSUITABLE MATERIALS (SILT); APPROXIMATE STRIPPING THICKNESS: 0.50m
MAXIMUM PIT DEPTH	3.0m
APPROXIMATE AREA	324.5m2

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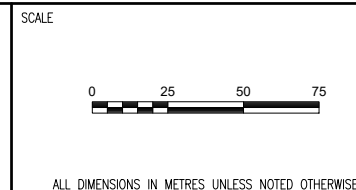
LEGEND

- PROPERTY BOUNDARY
- ROAD CENTERLINE
- SALES PERMIT BOUNDARY
- EXTRACTED (EXHAUSTED) RESOURCE AREA

FOR INFORMATION ONLY

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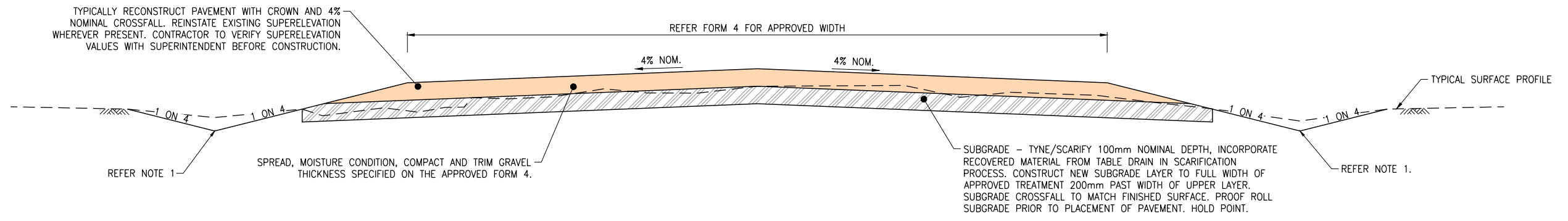
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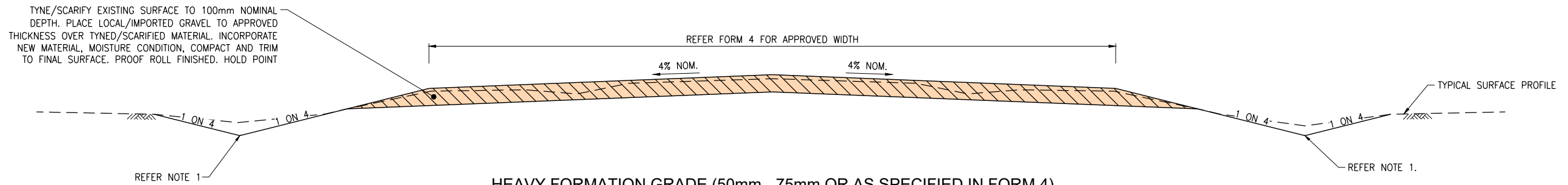
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CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL GRAVEL PIT PLAN		
DRAWING REF	TORRLINGER 006 TOR006		
DRAWING NO	162-000-1-TOR006-SK101	SIZE	A1
REVISION			1

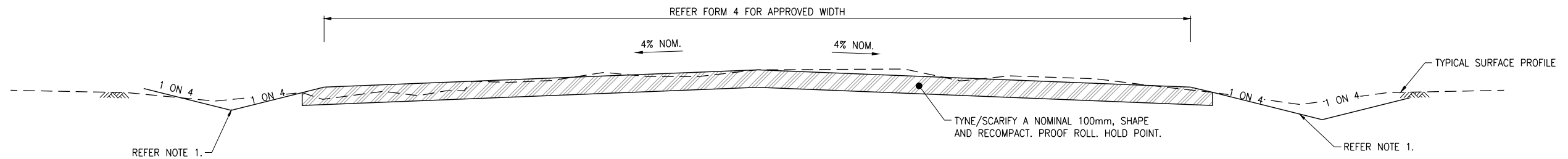
Attachment 3 – Typical Sections, Setout Legend, and Compaction Testing Requirements



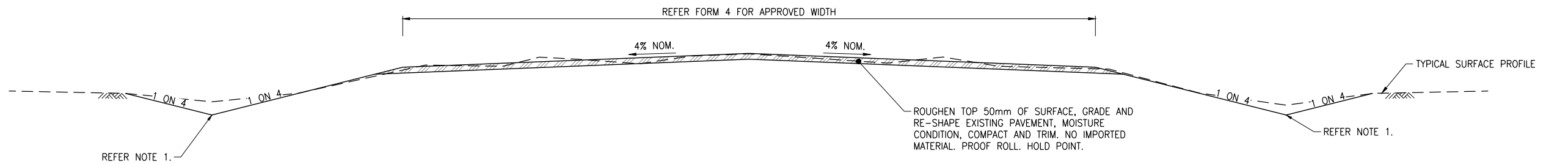
GRAVEL RESHEET (100mm - 150mm OR AS SPECIFIED IN FORM 4)



HEAVY FORMATION GRADE (50mm - 75mm OR AS SPECIFIED IN FORM 4)



HEAVY FORMATION GRADE (NO GRAVEL)



MEDIUM FORMATION GRADE

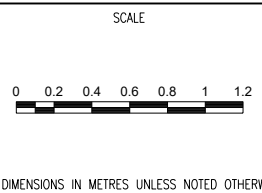
NOTES

1. RECOVER UNCONTAMINATED SUITABLE PAVEMENT FROM TABLE DRAINS AND HINGE POINTS. BLEND INTO THE SUBGRADE LAYER AS PART OF THE 100mm TYNE/SCARIFY PROCESS. SHAPE TABLE DRAIN TO ENSURE IT IS FREE DRAINING AND OUTLETS/SPUR DRAINS ARE EITHER REINSTATED OR CONSTRUCTED. IF TREES ARE REQUIRED TO BE REMOVED, PRIOR APPROVAL SHALL BE OBTAINED. THE INTERFACE FROM THE TABLE DRAIN TO THE SURROUNDING TOPOGRAPHY SHALL BE FREE FROM ANY RILLS. FINISH WITH A SMOOTH, TIGHT FINISH.

FOR INFORMATION ONLY

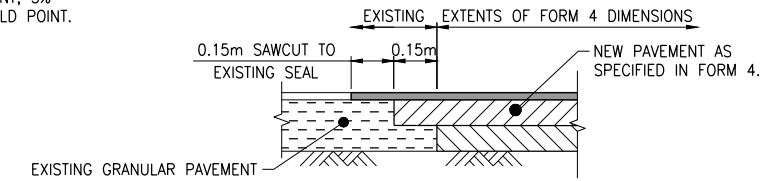
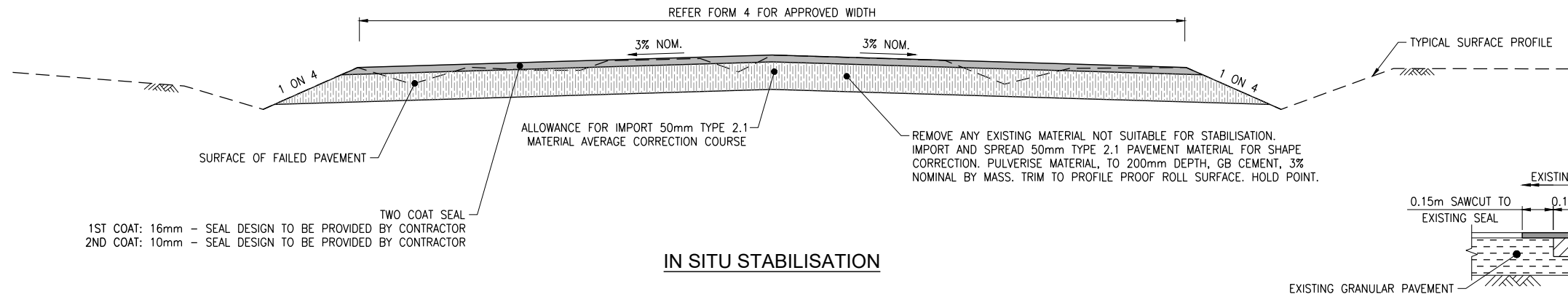
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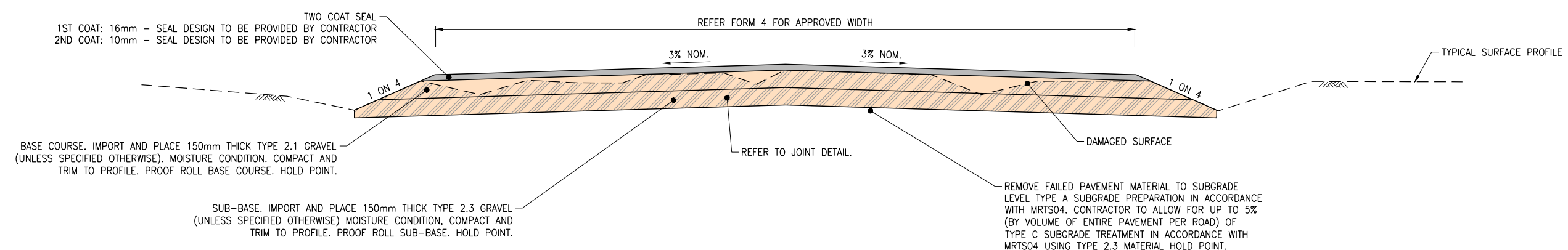
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CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA ROAD RESTORATION		
DRAWING REF	TYPICAL SECTIONS AND DETAILS (SHEET 1 OF 3)		
DRAWING NO	162-001-SK201	SIZE	A1
REVISION			1

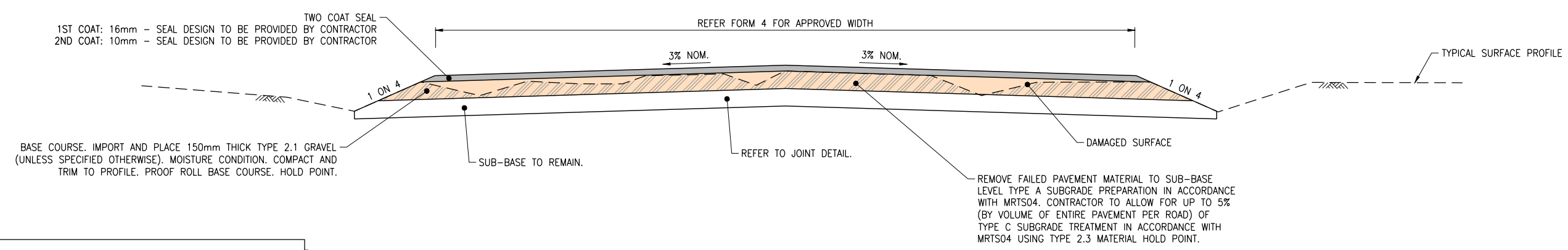


IN SITU STABILISATION

JOIN TO EXISTING PAVEMENT DETAIL



RECONSTRUCT PAVEMENT/PATCH REPAIR



RECONSTRUCT BASE REPAIR

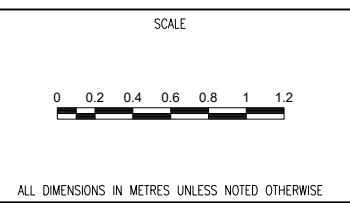
NOTES

- RECOVER UNCONTAMINATED SUITABLE PAVEMENT FROM TABLE DRAINS AND HINGE POINTS. BLEND INTO THE SUBGRADE LAYER AS PART OF THE 100mm TYNE/SCARIFY PROCESS. SHAPE TABLE DRAIN TO ENSURE IT IS FREE DRAINING AND OUTLETS/SPUR DRAINS ARE EITHER REINSTATED OR CONSTRUCTED. IF TREES ARE REQUIRED TO BE REMOVED, PRIOR APPROVAL SHALL BE OBTAINED. THE INTERFACE FROM THE TABLE DRAIN TO THE SURROUNDING TOPOGRAPHY SHALL BE FREE FROM ANY RILLS. FINISH WITH A SMOOTH, TIGHT FINISH.

FOR INFORMATION ONLY

PLOT DATE: 10/05/2026 1:59:23 PM FILE LOCATION: D:\Northlane Pty Ltd Dropbox\162-Etheridge_SCI001_QRA_2025\Drawings\2_Geotechnical_Testing_Sketches (200 Series)\162-001SK202-Typical-Section.dwg

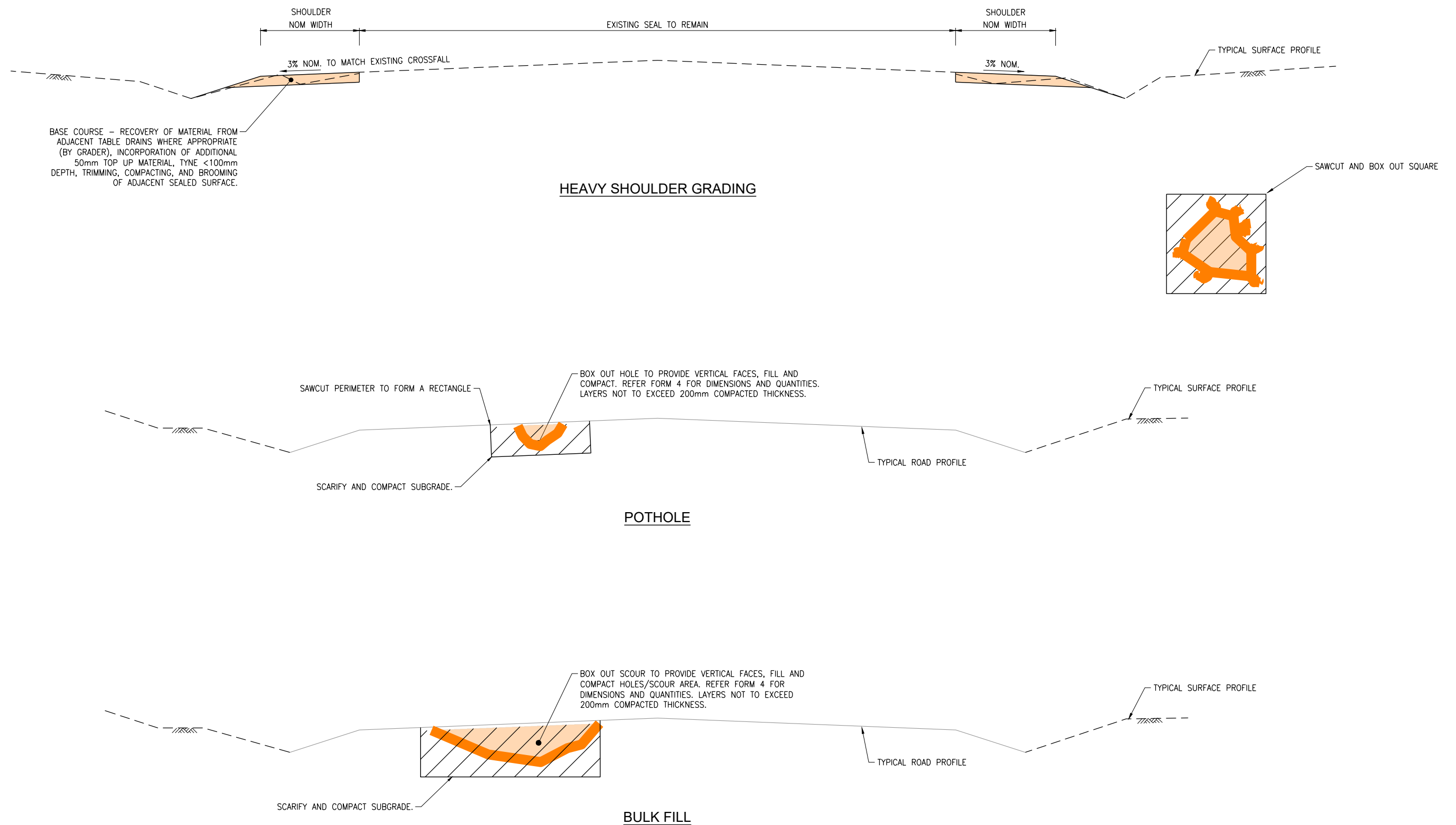
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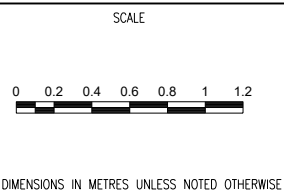
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DRAWING NO	113-118-SK202	SIZE	A1
REVISION			1

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FOR INFORMATION ONLY

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1	01/05/26	FOR INFORMATION ONLY		



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CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA ROAD RESTORATION		
DRAWING REF	TYPICAL SECTIONS AND DETAILS (SHEET 3 OF 3)		
DRAWING NO	162-001-SK203	SIZE	A1
REVISION			1

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APPROVED TREATMENT	COMPACTION METHOD	TESTING REQUIRED		SPECIFICATION REQUIREMENTS	
		DESCRIPTION	SPECIFICATION	TEST FREQUENCY	TEST OUTCOME
PROGRESSIVE PRODUCTION TESTING FROM STOCKPILES	OVERSIZED MATERIAL TO BE BROKEN DOWN OR EXCLUDED FROM PAVEMENT TO ACHIEVE A MAXIMUM PARTICAL SIZE OF 37.5mmø.	SOURCE AND PRODUCT TESTING.	CALIFORNIA BEARING RATIO (Q113A OR Q113C) GRADING (Q103A) FINES RATIO (Q103A) LIQUID LIMIT (Q104A) LINEAR SHRINKAGE (Q106) PI Q180A	1/2500t MIN. 2 PER LOT (10000t MAX).	PER TECHNICAL SPECIFICATIONS.
MEDIUM FORMATION GRADE	TO BE DETERMINED BY CONTRACTOR: SMOOTH DRUM VIBRATORY OR STATIC AND/OR PNEUMATIC MULTITYRE.	PROOF ROLL	PROOF ROLLING USING EITHER: a) WATER TANKER WITH TANDEM REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN AT LEAST 10,000 LITERS OF WATER DURING USE b) WATER TANKER WITH SINGLE REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM OF 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN 7,000 LITRES OF WATER DURING USE.		NO VISIBLE DEFLECTION.
HEAVY FORMATION GRADE: 50mm/75mm PLACEMENT OF PAVEMENT LAYERS	TO BE DETERMINED BY CONTRACTOR: TYPICALLY HEAVY TAMPING FOOT, VIBRATORY OR STATIC FOLLOWED BY PNEUMATIC MULTITYRE OR SMOOTH DRUM.	PROOF ROLL	PROOF ROLLING USING EITHER: a) WATER TANKER WITH TANDEM REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN AT LEAST 10,000 LITERS OF WATER DURING USE b) WATER TANKER WITH SINGLE REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM OF 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN 7,000 LITRES OF WATER DURING USE.		NO VISIBLE DEFLECTION.
IN-SITU STABILISATION PLACEMENT OF PAVEMENT LAYERS	TO BE DETERMINED BY CONTRACTOR: TYPICALLY HEAVY TAMPING FOOT, VIBRATORY OR STATIC FOLLOWED BY PNEUMATIC MULTITYRE OR SMOOTH DRUM.	PAVEMENT COURSE MATERIAL SHALL BE COMPACTED TO PROVIDE A RELATIVE COMPACTION DETERMINED BY AS1289 FOR STANDARD COMPACTIVE EFFORT.	NUCLEAR DENSOMETER METHOD	1/1000m2 MIN. 2 PER LOT	BASE COURSE – 100% SD
		PROOF ROLL	PROOF ROLLING USING EITHER: a) WATER TANKER WITH TANDEM REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN AT LEAST 10,000 LITERS OF WATER DURING USE b) WATER TANKER WITH SINGLE REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM OF 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN 7,000 LITERS OF WATER DURING USE.		NO VISIBLE DEFLECTION.
GRAVEL RESHEET: 100mm/150mm	TO BE DETERMINED BY CONTRACTOR: TYPICALLY HEAVY TAMPING FOOT, VIBRATORY OR STATIC FOLLOWED BY PNEUMATIC MULTITYRE OR SMOOTH DRUM.	PAVEMENT COURSE MATERIAL SHALL BE COMPACTED TO PROVIDE A RELATIVE COMPACTION DETERMINED BY AS1289 FOR STANDARD COMPACTIVE EFFORT.	NUCLEAR DENSOMETER METHOD	1/1000m2 MIN. 2 PER LOT	PAVEMENT: MINIMUM DRY DENSITY RATIO BASE COURSE – 100% SD MINIMUM DRY DENSITY RATIO SUB-BASE COURSE – 100% SD SUBGRADE: MINIMUM DRY DENSITY RATIO (COHESIVE SOILS) – 97% SD MINIMUM DENSITY INDEX (COHESIONLESS SOILS) – 80% SD
		PROOF ROLL	PROOF ROLLING USING EITHER: a) WATER TANKER WITH TANDEM REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN AT LEAST 10,000 LITERS OF WATER DURING USE b) WATER TANKER WITH SINGLE REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM OF 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN 7,000 LITERS OF WATER DURING USE.		NO VISIBLE DEFLECTION.
PATCH REPAIR RECONSTRUCT ROAD PLACEMENT OF PAVEMENT LAYERS	TO BE DETERMINED BY CONTRACTOR: TYPICALLY HEAVY TAMPING FOOT, VIBRATORY OR STATIC FOLLOWED BY PNEUMATIC MULTITYRE OR SMOOTH DRUM.	MATERIAL SOURCE AND PRODUCT TESTING IN ACCORDANCE WITH APPENDIX A: MRTS05.			PAVEMENT: MINIMUM DRY DENSITY RATIO BASE COURSE – 100% SD MINIMUM DRY DENSITY RATIO SUB-BASE COURSE – 100% SD SUBGRADE: MINIMUM DRY DENSITY RATIO (COHESIVE SOILS) – 97% SD MINIMUM DENSITY INDEX (COHESIONLESS SOILS) – 80% SD
		PAVEMENT COURSE MATERIAL SHALL BE COMPACTED TO PROVIDE A RELATIVE COMPACTION DETERMINED BY AS1289 FOR A STANDARD COMPACTIVE EFFORT.	NUCLEAR DENSOMETER METHOD (PER LAYER)	1/500m2 (PAVEMENT) MIN. 4 PER LOT 1/1000m2 (SUBGRADE) MIN. 2 PER LOT	
		PROOF ROLL	PROOF ROLLING USING EITHER: a) WATER TANKER WITH TANDEM REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN AT LEAST 10,000 LITERS OF WATER DURING USE b) WATER TANKER WITH SINGLE REAR AXLE, INTERNAL BAFFLES TO MINIMISE SLOSHING AND A MINIMUM OF 600 kPa TYRE PRESSURE. THE WATER TANK MUST CONTAIN 7,000 LITRES OF WATER DURING USE.		NO VISIBLE DEFLECTION.

NOTES

- ALL TREATMENTS REQUIRE GEOMETRIC CONFORMANCE. REFER TECHNICAL SPECIFICATIONS.

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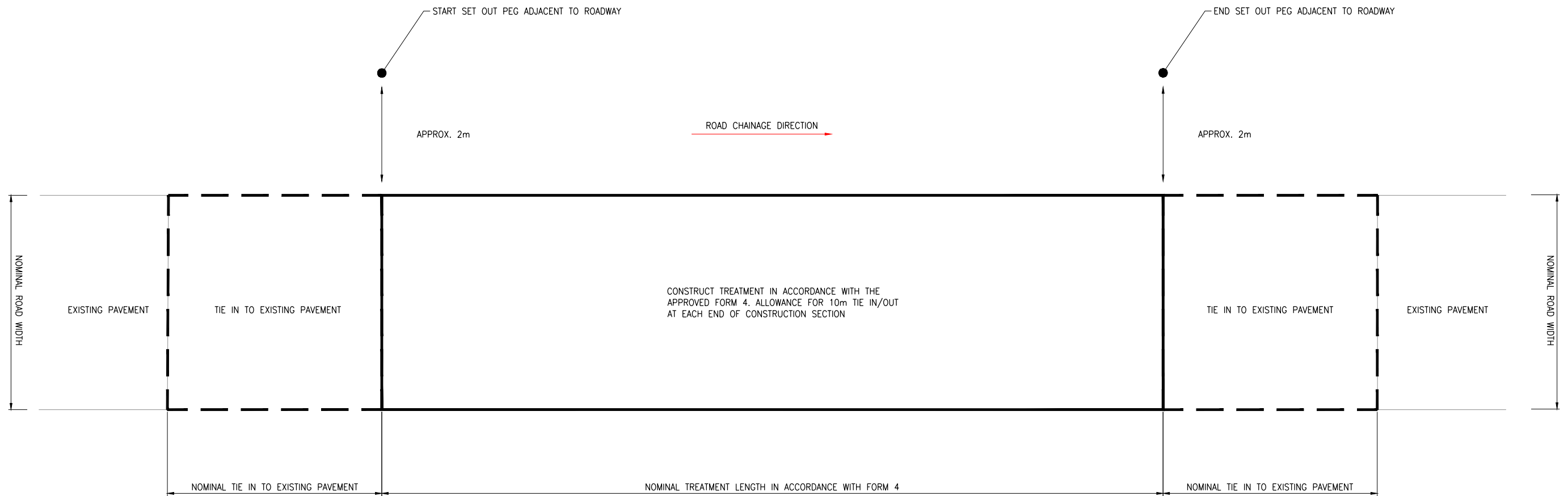
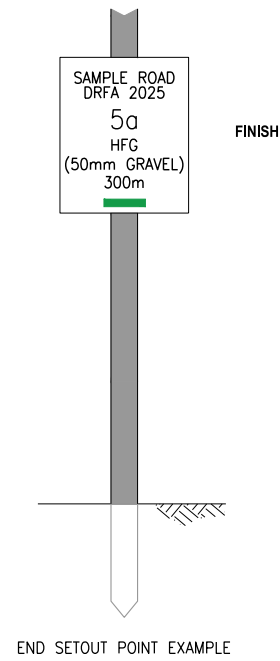
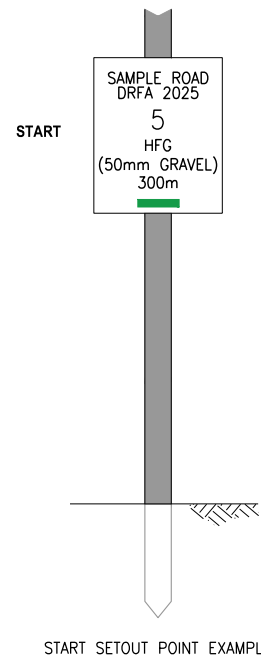
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PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA ROAD RESTORATION		
DRAWING REF	GENERAL NOTES		
DRAWING NO	162-001-SK204	SIZE	A1
REVISION			1

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FOR INFORMATION ONLY

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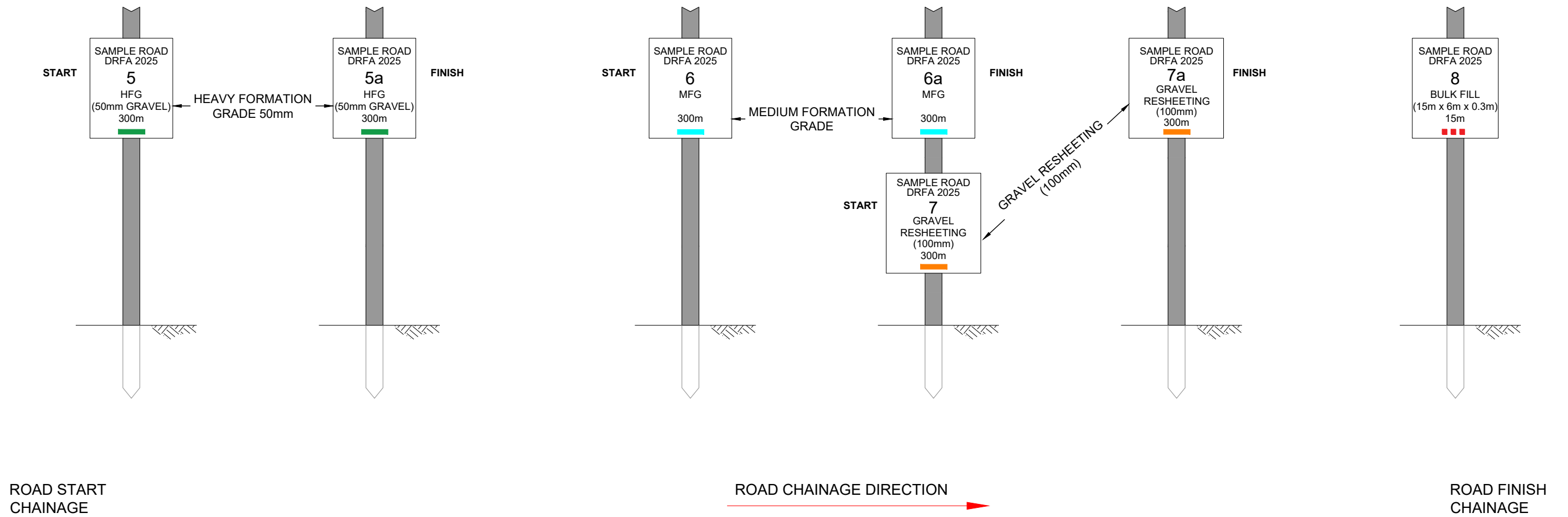
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DRAWING REF		TYPICAL SECTION PLAN	
DRAWING NO	162-001-SK205	SIZE	A1
REVISION	1		

LEGEND

- GRAVEL RESHEETING (REFER FORM 4)
- HEAVY FORMATION GRADE (REFER FORM 4)
- MEDIUM FORMATION GRADE (REFER FORM 4)
- OTHER TREATMENT (REFER FORM 4)



NOTE:
 SETOUT TAGS ARE PLACED IN SEQUENTIAL ORDER ON SETOUT POSTS
 START OF WORKS INDICATED BY LINE NUMBER ID (E.G. "1")
 END OF WORKS INDICATED BY LINE NUMBER ID FOLLOWED BY A (E.G. "1a")

FOR INFORMATION ONLY

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DRAWING REF: SETOUT MARKERS LEGEND	
DRAWING NO: 162-001-SK206	SIZE: A1
REVISION: 1	

Attachment 4 – Carnes Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
CARNES ROAD**

**ASSET NO.
1024**

**QRA SUBMISSION REF NO.
ESC.0065.2425T.REC**

PREPARED BY


NORTHLANE
CONSULTING ENGINEERS

CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Medium Formation Grading (No Gravel)	5,280	m	N/A
Heavy Formation Grading (No Gravel)	870	m	N/A
Heavy Formation Grading (50mm Gravel)	333	m ³	333
Heavy Formation Grading (75mm Gravel)	159.75	m ³	159.75
Bulk Excavate - Remove	30	m ³	N/A
		TOTAL	492.75

Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

2025 DRFA APPROVED SCOPE FORM 4
ESC.0065.2425T.REC - RESTORATION
CARNES ROAD (ASSET #1024)



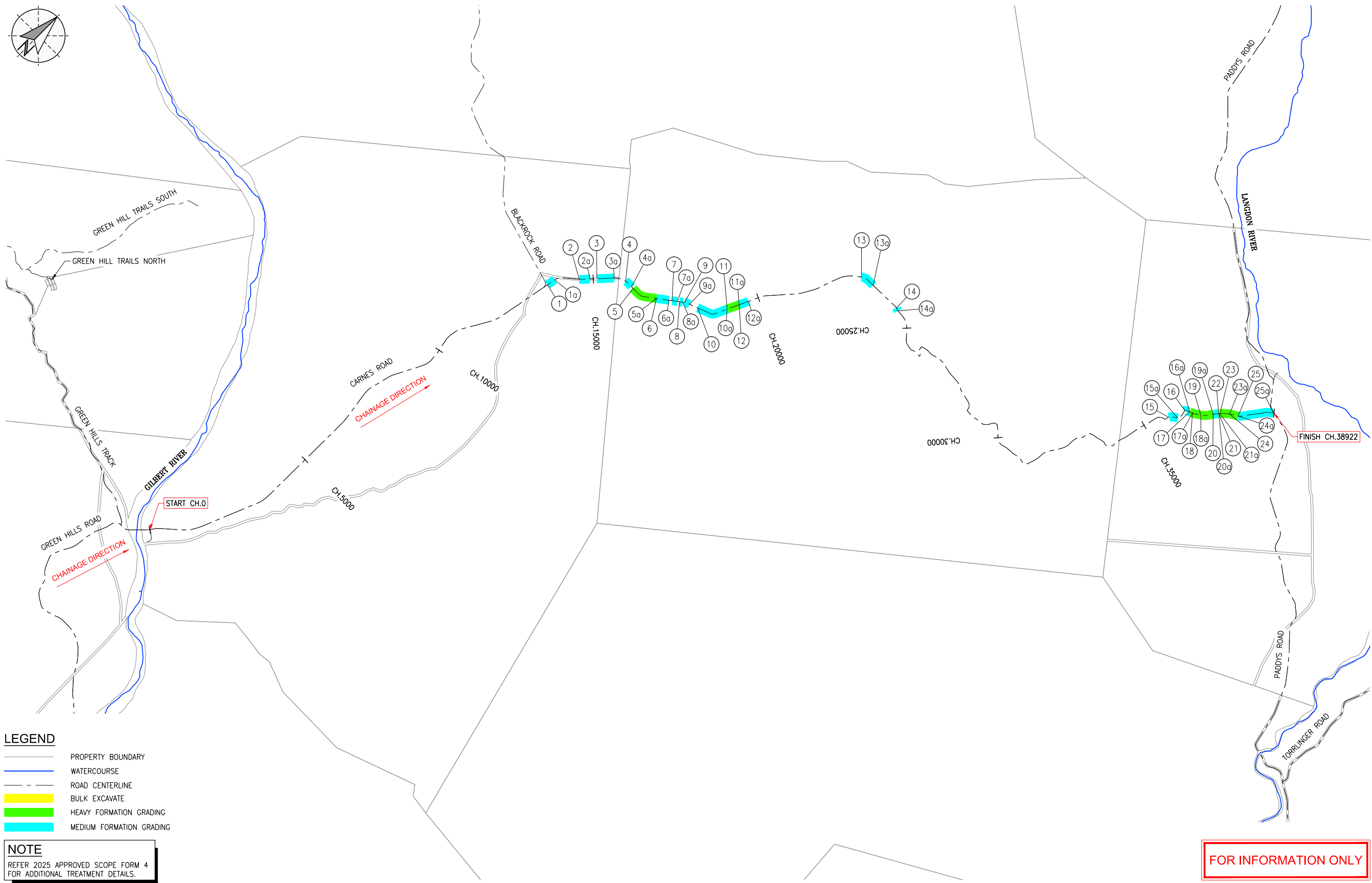
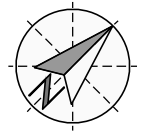
Note:

- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
CAR-001	13655	13900	245	6		Medium formation grading	(No Gravel)	245	m
CAR-002	14605	14915	310	6		Medium formation grading	(No Gravel)	310	m
CAR-003	15105	15595	490	6		Medium formation grading	(No Gravel)	490	m
CAR-004	15935	16160	225	6		Medium formation grading	(No Gravel)	225	m
CAR-005	16225	16975	750	6	0.05	Heavy formation grading	(50mm Gravel)	225	m3
CAR-006	16975	17335	360	6		Medium formation grading	(No Gravel)	360	m
CAR-007	17420	17570	150	6		Medium formation grading	(No Gravel)	150	m
CAR-008	17630	17725	95	6		Medium formation grading	(No Gravel)	95	m
CAR-009	17775	17925	150	6		Medium formation grading	(No Gravel)	150	m
CAR-010	18175	19070	895	6		Medium formation grading	(No Gravel)	895	m
CAR-011	19070	19430	360	6		Heavy formation grading	(No Gravel)	360	m
CAR-012	19430	19710	280	6		Medium formation grading	(No Gravel)	280	m
CAR-013	23015	23430	415	6		Medium formation grading	(No Gravel)	415	m
CAR-014	24345	24435	90	6		Medium formation grading	(No Gravel)	90	m
CAR-015	35790	36050	260	6		Medium formation grading	(No Gravel)	260	m
CAR-016	36360	36505	145	6		Medium formation grading	(No Gravel)	145	m
CAR-017	36505	36590	85	6	0.05	Heavy formation grading	(50mm Gravel)	25.5	m3
CAR-018	36590	36830	240	6		Heavy formation grading	(No Gravel)	240	m
CAR-019	36830	37185	355	6	0.075	Heavy formation grading	(75mm Gravel)	159.75	m3
CAR-020	37185	37345	160	6		Medium formation grading	(No Gravel)	160	m
CAR-021	37345	37370	25	6	0.05	Heavy formation grading	(50mm Gravel)	7.5	m3
CAR-022	37345	37350	5	6	1	Bulk excavate - remove	(5m X 6m X 1m)	30	m3
CAR-023	37380	37650	270	6		Heavy formation grading	(No Gravel)	270	m
CAR-024	37650	37900	250	6	0.05	Heavy formation grading	(50mm Gravel)	75	m3
CAR-025	37900	38910	1010	6		Medium formation grading	(No Gravel)	1010	m

Chainage 0 starts at Green Hills Road (Approx. Chainage 25787).

4. CONSTRUCTION SKETCH



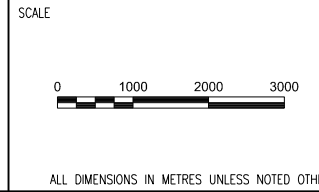
- LEGEND**
- PROPERTY BOUNDARY
 - WATERCOURSE
 - ROAD CENTERLINE
 - BULK EXCAVATE
 - HEAVY FORMATION GRADING
 - MEDIUM FORMATION GRADING

NOTE
REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

PLOT DATE 23/04/2026 1:20:34 PM FILE LOCATION D:\NorthLane Pty Ltd Dropbox\162-Etheridge_SCI\001_QRA_2025\Drawings\1_Scope Drawings\162-001-1024-SK101-Carnes Road.dwg

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	16/04/26	FOR INFORMATION		



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CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE		
DRAWING REF	CARNES ROAD (ASSET #1024)		
DRAWING NO	162-001-1024-SK101	SIZE	A1
		REVISION	1

Attachment 5 – Langolovale Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
LANGOLOVALE ROAD**

**ASSET NO.
1007**

**QRA SUBMISSION REF NO.
ESC.0065.2425T.REC**

PREPARED BY



CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Heavy Formation Grading (50mm Gravel)	190.50	m ³	190.50
		TOTAL	190.50

Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

2025 DRFA APPROVED SCOPE FORM 4
ESC.0065.2425T.REC - RESTORATION
LANGOLOVALE ROAD (ASSET #1007)



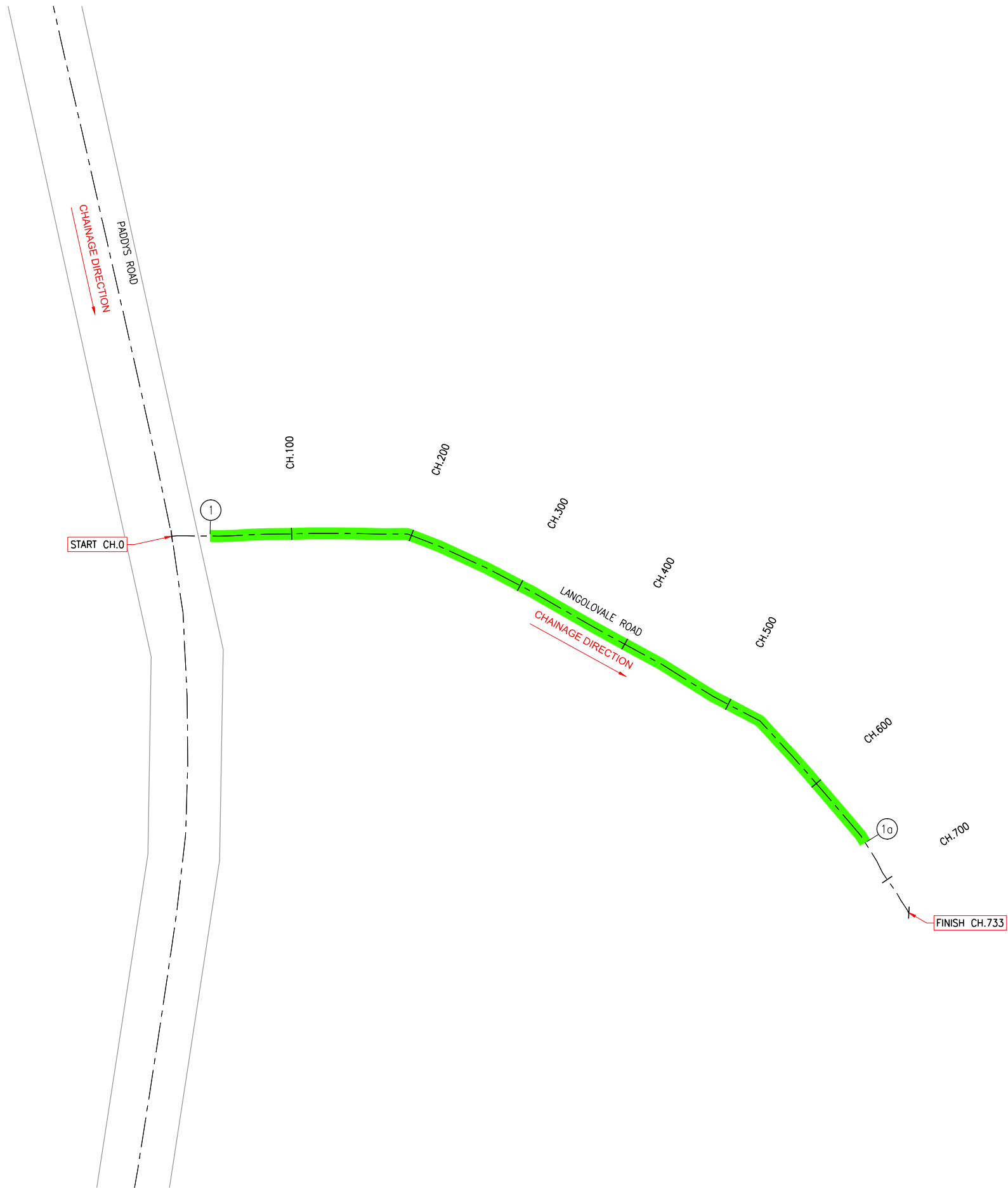
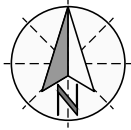
Note:

- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
LGR-001	30	665	635	6	0.05	Heavy formation grading	(50mm Gravel)	190.5	m3

Chainage 0 starts at Paddys Road (Approx. Chainage 13349).

4. CONSTRUCTION SKETCH



LEGEND

- ROAD CENTERLINE
- PROPERTY BOUNDARY
- █ HEAVY FORMATION GRADING

NOTE

REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

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REVISIONS				
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1	13/04/26	FOR INFORMATION		



SCALE

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

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CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF			ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE		
DRAWING REF			LANGOLOVALE ROAD (ASSET #1007)		
DRAWING NO		162-001-1007-SK101	SIZE	A1	REVISION
					1

Attachment 6 – Little River Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
LITTLE RIVER ROAD**

**ASSET NO.
1105**

**QRA SUBMISSION REF NO.
ESC.0074.2425T.REC**

PREPARED BY


NORTHLANE
CONSULTING ENGINEERS

CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Gravel Resheeting (100mm Gravel)	42	m ³	42
Gravel Resheeting (150mm Gravel)	58.50	m ³	58.50
Medium Formation Grading (No Gravel)	1,090	m	N/A
Heavy Formation Grading (No Gravel)	228	m	N/A
Heavy Formation Grading (50mm Gravel)	81	m ³	81
Bulk Fill - Imported	43.40	m ³	43.40
Gravel Material / Supply	39	m ³	39
		TOTAL	263.90

Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

2025 DRFA APPROVED SCOPE FORM 4
ESC.0074.2425T.REC - RESTORATION
LITTLE RIVER ROAD (ASSET #1105)



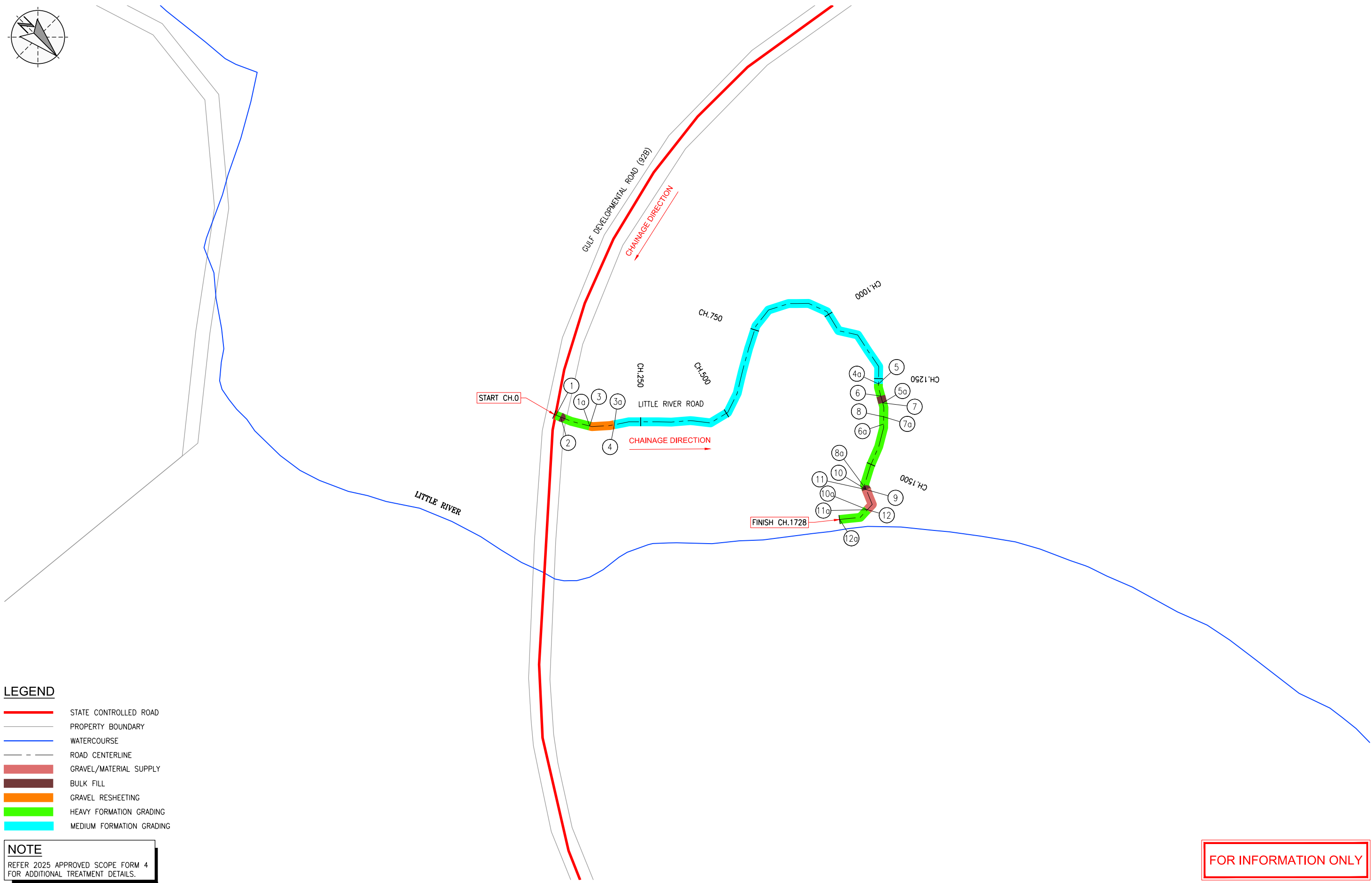
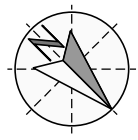
Note:

- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
LRR-001	5	105	100	6		Heavy formation grading	(No Gravel)	100	m
LRR-002	20	22	2	2	0.35	Bulk fill - imported	(RHS - 2m X 2m X 0.35m)	1.4	m3
LRR-003	105	175	70	6	0.1	Gravel resheeting	(100mm Gravel)	42	m3
LRR-004	175	1265	1090	6		Medium formation grading	(No Gravel)	1090	m
LRR-005	1265	1320	55	6	0.05	Heavy formation grading	(50mm Gravel)	16.5	m3
LRR-006	1300	1380	80	1.5	0.2	Bulk fill - imported	(LHS - 80m X 1.5m X 0.2m avg.)	24	m3
LRR-007	1320	1360	40	6		Heavy formation grading	(No Gravel)	40	m
LRR-008	1360	1575	215	6	0.05	Heavy formation grading	(50mm Gravel)	64.5	m3
LRR-009	1575	1590	15	6	0.2	Bulk fill - imported	(15m X 6m X 0.2m)	18	m3
LRR-010	1575	1640	65	6	0.15	Gravel resheeting	(150mm Gravel)	58.5	m3
LRR-011	1575	1640	65	6	0.1	Gravel/material supply	(65m X 6m X 0.1m)	39	m3
LRR-012	1640	1728	88	6		Heavy formation grading	(No Gravel)	88	m

Chainage 0 starts at Gulf Developmental Road (92B) (Approx. Chainage 49800).

4. CONSTRUCTION SKETCH



LEGEND

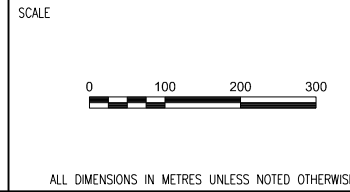
- STATE CONTROLLED ROAD
- PROPERTY BOUNDARY
- WATERCOURSE
- ROAD CENTERLINE
- GRAVEL/MATERIAL SUPPLY
- BULK FILL
- GRAVEL RESHEETING
- HEAVY FORMATION GRADING
- MEDIUM FORMATION GRADING

NOTE
REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

PLOT DATE: 23/04/2026 2:00:13 PM
FILE LOCATION: D:\Northlane Pty Ltd Dropbox\162 Etheridge_SCI\001 QRA_2025\Drawings\1_Scope Drawings\162-001-1105-SK101-Little River Road.dwg

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	20/04/26	FOR INFORMATION	/	/



DRAWN: BC	DESIGNED:
DRAWN APPROVED:	DESIGN APPROVED:
CIVIL SIGNOFF APPROVAL:	
DATE:	RPEQ:

PROJECT REF: ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE	DRAWING REF:
LITTLE RIVER ROAD (ASSET #1105)	
DRAWING NO: 162-001-1105-SK101	SIZE: A1
REVISION: 1	

Attachment 7 – Littleton Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
LITTLETON ROAD**

**ASSET NO.
1002**

**QRA SUBMISSION REF NO.
ESC.0065.2425T.REC**

PREPARED BY



CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Medium Formation Grading (No Gravel)	1,080	m	N/A
Heavy Formation Grading (No Gravel)	760	m	N/A
Heavy Formation Grading (50mm Gravel)	2,065.50	m ³	2,065.50
		TOTAL	2,065.50

Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

2025 DRFA APPROVED SCOPE FORM 4
ESC.0065.2425T.REC - RESTORATION
LITTLETON ROAD (ASSET #1002)



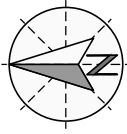
Note:

- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
LTR-001	6	1476	1470	6	0.05	Heavy formation grading	(50mm Gravel)	441	m3
LTR-002	1476	1761	285	6		Medium formation grading	(No Gravel)	285	m
LTR-003	1761	2066	305	6		Heavy formation grading	(No Gravel)	305	m
LTR-004	2066	2181	115	6		Medium formation grading	(No Gravel)	115	m
LTR-005	2181	2636	455	6		Heavy formation grading	(No Gravel)	455	m
LTR-006	2653	8068	5415	6	0.05	Heavy formation grading	(50mm Gravel)	1624.5	m3
LTR-007	8068	8748	680	6		Medium formation grading	(No Gravel)	680	m

Chainage 0 starts at Gulf Development Road (92B)(Approx. Chainage 44302).

4. CONSTRUCTION SKETCH



START CH.0

1

GULF DEVELOPMENTAL ROAD (92B)
CHAINAGE DIRECTION

CH.1000

1a

2

3

2a

3a

4

5

4a

5a

6

CH.2000

CH.3000

LITTLETON ROAD

CH.4000

CHAINAGE DIRECTION

CH.5000

CH.6000

CH.7000

CH.8000

7

6a

7a

FINISH CH.8749

LEGEND

- PROPERTY BOUNDARY
- STATE CONTROLLED ROAD
- ROAD CENTERLINE
- MEDIUM FORMATION GRADING
- HEAVY FORMATION GRADING

NOTE

REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

PLOT DATE: 23/04/2026 2:16:27 PM
FILE LOCATION: D:\Northlane Pty Ltd Dropbox\162 Etheridge SK101-1002-SK101-Littleton Road.dwg

REVISIONS				
NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	15/04/26	FOR INFORMATION		



SCALE

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

DRAWN	DN	DESIGNED
DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF		ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE	
DRAWING REF		LITTLETON ROAD (ASSET #1002)	
DRAWING NO	162-001-1002-SK101	SIZE	A1
REVISION	1		

Attachment 8 – Mount Little Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
MOUNT LITTLE ROAD**

**ASSET NO.
1004**

**QRA SUBMISSION REF NO.
ESC.0065.2425T.REC**

PREPARED BY

N
NORTHLANE
CONSULTING ENGINEERS

CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Medium Formation Grading (No Gravel)	370	m	N/A
Heavy Formation Grading (No Gravel)	5,490	m	N/A
Heavy Formation Grading (50mm Gravel)	1,049.40	m ³	1,049.40
Bulk fill - imported	116.38	m ³	116.38
Bulk Excavate - Remove	19.50	m ³	N/A
Rock Protection	15	m ³	Imported Material
Reconstruct reinforced concrete	4.80	m ³	Imported Material
		TOTAL	1,165.78

Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

2025 DRFA APPROVED SCOPE FORM 4
ESC.0065.2425T.REC - RESTORATION
MOUNT LITTLE ROAD (ASSET #1004)



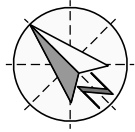
Note:

- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
MLR-001	6	91	85	6	0.05	Heavy formation grading	(50mm Gravel)	25.5	m3
MLR-002	91	271	180	6		Heavy formation grading	(No Gravel)	180	m
MLR-003	271	726	455	6	0.05	Heavy formation grading	(50mm Gravel)	136.5	m3
MLR-004	740	744	4	4	0.3	Reconstruct reinforced concrete	(LHS - 4m X 4m X 0.3m)	4.8	m3
MLR-005	756	761	5	4	0.1	Bulk excavate - remove	(RHS - 5m x 4m X 0.1m)	2	m3
MLR-006	767	1077	310	6		Heavy formation grading	(No Gravel)	310	m
MLR-007	1077	1427	350	6	0.05	Heavy formation grading	(50mm Gravel)	105	m3
MLR-008	1427	1837	410	6		Heavy formation grading	(No Gravel)	410	m
MLR-009	1844	1854	10	4	0.1	Bulk excavate - remove	(10m X 4m X 0.1m)	4	m3
MLR-010	1880	2150	270	6	0.05	Heavy formation grading	(50mm Gravel)	81	m3
MLR-011	2190	2353	163	6	0.05	Heavy formation grading	(50mm Gravel)	48.9	m3
MLR-012	2395	2785	390	6		Heavy formation grading	(No Gravel)	390	m
MLR-013	2455	2685	230	1.5	0.1	Bulk fill - imported	(RHS - 230m X 1.5m X 0.1m)	34.5	m3
MLR-014	2785	3075	290	6		Medium formation grading	(No Gravel)	290	m
MLR-015	3075	4780	1705	6		Heavy formation grading	(No Gravel)	1705	m
MLR-016	4260	4485	225	1.5	0.15	Bulk fill - imported	(LHS - 225m X 1.5m X 0.15m avg.)	50.625	m3
MLR-017	4780	4950	170	6	0.05	Heavy formation grading	(50mm Gravel)	51	m3
MLR-018	4862	4907	45	1	0.5	Bulk fill - imported	(LHS - 45m X 1m X 0.5m)	22.5	m3
MLR-019	4997	5452	455	6	0.05	Heavy formation grading	(50mm Gravel)	136.5	m3
MLR-020	5470	5475	5	3	1	Rock protection	(RHS - 5m X 3m X 1m)	15	m3
MLR-021	5494	5734	240	6	0.05	Heavy formation grading	(50mm Gravel)	72	m3
MLR-022	5494	5514	20	1	0.4	Bulk fill - imported	(LHS - 20m X 1m X 0.4m)	8	m3
MLR-023	5778	6293	515	6	0.05	Heavy formation grading	(50mm Gravel)	154.5	m3
MLR-024	6295	6300	5	3	0.05	Bulk fill - imported	(RHS - 5m X 3m X 0.5m)	0.75	m3
MLR-025	6334	6624	290	6	0.05	Heavy formation grading	(50mm Gravel)	87	m3
MLR-026	6644	6844	200	6	0.05	Heavy formation grading	(50mm Gravel)	60	m3
MLR-027	6844	7009	165	6		Heavy formation grading	(No Gravel)	165	m
MLR-028	7009	7114	105	6	0.05	Heavy formation grading	(50mm Gravel)	31.5	m3
MLR-029	7114	7989	875	6		Heavy formation grading	(No Gravel)	875	m
MLR-030	8029	8229	200	6	0.05	Heavy formation grading	(50mm Gravel)	60	m3
MLR-031	8239	8242	3	5	0.1	Bulk excavate - remove	(3m X 5m X 0.1m)	1.5	m3
MLR-032	8270	9170	900	6		Heavy formation grading	(No Gravel)	900	m
MLR-033	9170	9190	20	6	0.1	Bulk excavate - remove	(20m X 6m X 0.1m)	12	m3
MLR-034	9215	9770	555	6		Heavy formation grading	(No Gravel)	555	m
MLR-035	9770	9850	80	6		Medium formation grading	(No Gravel)	80	m

Chainage 0 starts at Gulf Developmental Road (92B) (Approx. Chainage 52201).

4. CONSTRUCTION SKETCH



LEGEND

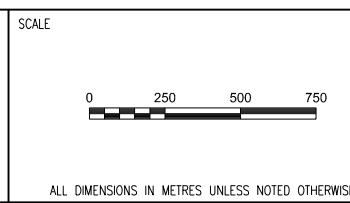
	STATE CONTROLLED ROAD
	PROPERTY BOUNDARY
	WATERCOURSE
	ROAD CENTERLINE
	BULK EXCAVATE
	BULK FILL
	HEAVY FORMATION GRADING
	MEDIUM FORMATION GRADING
	MISCELLANEOUS SCOPE

NOTE
REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

PLOT DATE: 21/04/2026 11:17:34 AM
FILE LOCATION: D:\NorthLane Pty Ltd Dropbox\162 Etheridge\SC\001 QRA 2025\Drawings\1_Scope Drawings\162-001-1004-SK101-Mount Little Road.dwg

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	14/04/26	FOR INFORMATION		



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DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF		ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE	
DRAWING REF		MOUNT LITTLE ROAD (ASSET #1004)	
DRAWING NO	162-001-1004-SK101	SIZE	A1
REVISION	1		

Attachment 9 – Paddys Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
PADDYS ROAD**

**ASSET NO.
1009**

**QRA SUBMISSION REF NO.
ESC.0066.2425T.REC**

PREPARED BY

N
NORTHLANE
CONSULTING ENGINEERS

CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Gravel Resheeting (100mm Gravel)	60	m ³	60
Medium Formation Grading (No Gravel)	4,345	m	N/A
Heavy Formation Grading (No Gravel)	20,690	m	N/A
Heavy Formation Grading (50mm Gravel)	9,475.50	m ³	9,475.50
In-situ Stabilisation - 50mm Corrector. Excludes Seal	120	m ²	Imported Material
Bulk Fill - Imported	0.65	m ³	0.65
Bulk Excavate - Remove	1.13	m ³	N/A
Clear mixed debris - remove	1	m ³	N/A
Replace Guidepost or Markers	1	Each	N/A
		TOTAL	9,536.15

Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

2025 DRFA APPROVED SCOPE FORM 4
ESC.0066.2425T.REC - RESTORATION
PADDYS ROAD (ASSET #1009)



Note:

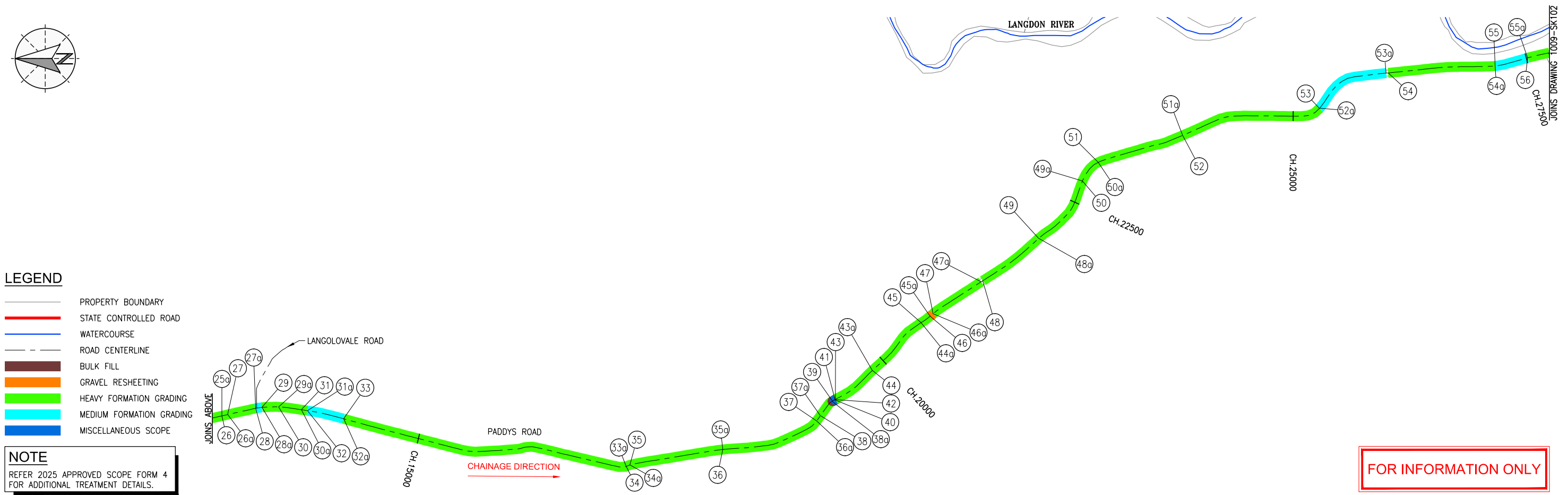
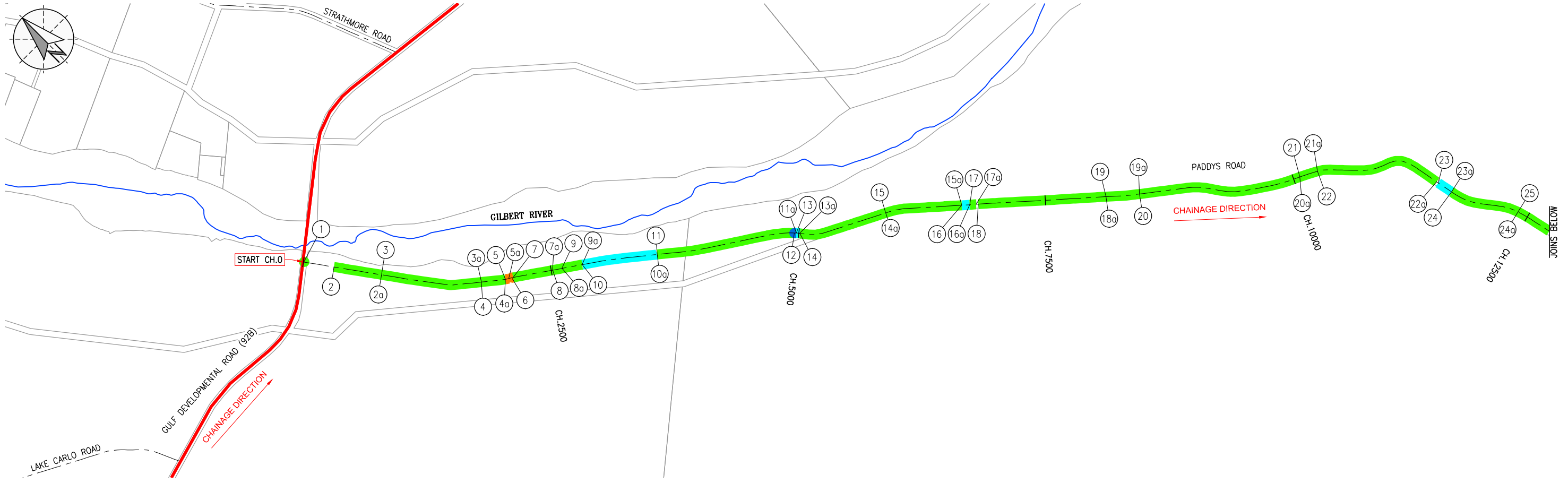
- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
PR-001	5	10	5	6		Heavy formation grading	(No Gravel)	5	m
PR-002	310	790	480	6	0.05	Heavy formation grading	(50mm Gravel)	144	m3
PR-003	790	1795	1005	6		Heavy formation grading	(No Gravel)	1005	m
PR-004	1795	2035	240	6	0.05	Heavy formation grading	(50mm Gravel)	72	m3
PR-005	2035	2070	35	6	0.1	Gravel resheeting	(100mm Gravel)	21	m3
PR-006	2100	2115	15	6	0.1	Gravel resheeting	(100mm Gravel)	9	m3
PR-007	2115	2515	400	6	0.05	Heavy formation grading	(50mm Gravel)	120	m3
PR-008	2515	2610	95	6		Heavy formation grading	(No Gravel)	95	m
PR-009	2610	2815	205	6	0.05	Heavy formation grading	(50mm Gravel)	61.5	m3
PR-010	2815	3570	755	6		Medium formation grading	(No Gravel)	755	m
PR-011	3570	4955	1385	6		Heavy formation grading	(No Gravel)	1385	m
PR-012	4955	4975	20	6		In-situ stabilisation - including 50mm corrector. Excludes seal	(20m X 6m)	120	m2
PR-013	4975	5010	35	6		Medium formation grading	(No Gravel)	35	m
PR-014	5010	5900	890	6	0.05	Heavy formation grading	(50mm Gravel)	267	m3
PR-015	5900	6665	765	6		Heavy formation grading	(No Gravel)	765	m
PR-016	6665	6745	80	6		Medium formation grading	(No Gravel)	80	m
PR-017	6745	6810	65	6	0.05	Heavy formation grading	(50mm Gravel)	19.5	m3
PR-018	6830	8105	1275	6	0.05	Heavy formation grading	(50mm Gravel)	382.5	m3
PR-019	8105	8440	335	6		Heavy formation grading	(No Gravel)	335	m
PR-020	8440	10065	1625	6	0.05	Heavy formation grading	(50mm Gravel)	487.5	m3
PR-021	10065	10250	185	6		Heavy formation grading	(No Gravel)	185	m
PR-022	10250	11515	1265	6	0.05	Heavy formation grading	(50mm Gravel)	379.5	m3
PR-023	11535	11695	160	6		Medium formation grading	(No Gravel)	160	m
PR-024	11695	12395	700	6	0.05	Heavy formation grading	(50mm Gravel)	210	m3
PR-025	12395	12995	600	6		Heavy formation grading	(No Gravel)	600	m
PR-026	12995	13055	60	6	0.05	Heavy formation grading	(50mm Gravel)	18	m3
PR-027	13055	13340	285	6		Heavy formation grading	(No Gravel)	285	m
PR-028	13340	13405	65	6		Medium formation grading	(No Gravel)	65	m
PR-029	13405	13570	165	6		Heavy formation grading	(No Gravel)	165	m
PR-030	13570	13800	230	6	0.05	Heavy formation grading	(50mm Gravel)	69	m3
PR-031	13800	13860	60	6		Heavy formation grading	(No Gravel)	60	m
PR-032	13860	14230	370	6		Medium formation grading	(No Gravel)	370	m
PR-033	14230	17115	2885	6	0.05	Heavy formation grading	(50mm Gravel)	865.5	m3
PR-034	17115	17155	40	6		Heavy formation grading	(No Gravel)	40	m
PR-035	17155	18095	940	6	0.05	Heavy formation grading	(50mm Gravel)	282	m3
PR-036	18095	19095	1000	6		Heavy formation grading	(No Gravel)	1000	m
PR-037	19095	19160	65	6	0.05	Heavy formation grading	(50mm Gravel)	19.5	m3
PR-038	19160	19345	185	6		Heavy formation grading	(No Gravel)	185	m
PR-039	19350	19355	5	1	0.05	Bulk fill - imported	(RHS - 5m X 1m X 0.05m)	0.25	m3
PR-040	19375	19375				Replace guide posts or markers	(RHS - x1)	1	Each
PR-041	19380	19382	2	2	0.1	Bulk fill - imported	(RHS - 2m X 2m X 0.1m)	0.4	m3
PR-042	19380	19381	1	1	1	Clear mixed debris - remove	(LHS Culvert - 1m X 1m X 1m)	1	m3
PR-043	19385	19855	470	6		Heavy formation grading	(No Gravel)	470	m
PR-044	19855	20540	685	6	0.05	Heavy formation grading	(50mm Gravel)	205.5	m3
PR-045	20540	20650	110	6		Heavy formation grading	(No Gravel)	110	m
PR-046	20650	20690	40	6	0.1	Gravel resheeting	(100mm Gravel)	24	m3
PR-047	20690	21265	575	6		Heavy formation grading	(No Gravel)	575	m
PR-048	21285	21985	700	6	0.05	Heavy formation grading	(50mm Gravel)	210	m3
PR-049	21985	22725	740	6		Heavy formation grading	(No Gravel)	740	m
PR-050	22725	22975	250	6	0.05	Heavy formation grading	(50mm Gravel)	75	m3
PR-051	22975	23860	885	6		Heavy formation grading	(No Gravel)	885	m
PR-052	23860	25285	1425	6	0.05	Heavy formation grading	(50mm Gravel)	427.5	m3
PR-053	25285	26090	805	6		Medium formation grading	(No Gravel)	805	m
PR-054	26110	27180	1070	6	0.05	Heavy formation grading	(50mm Gravel)	321	m3
PR-055	27180	27515	335	6		Medium formation grading	(No Gravel)	335	m
PR-056	27515	27905	390	6	0.05	Heavy formation grading	(50mm Gravel)	117	m3
PR-057	27905	28275	370	6		Medium formation grading	(No Gravel)	370	m
PR-058	28275	28360	85	6		Heavy formation grading	(No Gravel)	85	m
PR-059	28360	28370	10	6	0.1	Gravel resheeting	(100mm Gravel)	6	m3
PR-060	28360	28363	3	1.5	0.25	Bulk excavate - remove	(LHS - 3m X 1.5m X 0.25m)	1.125	m3
PR-061	28385	28815	430	6		Heavy formation grading	(No Gravel)	430	m
PR-062	28905	29370	465	6		Heavy formation grading	(No Gravel)	465	m
PR-063	29390	30170	780	6	0.05	Heavy formation grading	(50mm Gravel)	234	m3
PR-064	30170	30670	500	6		Heavy formation grading	(No Gravel)	500	m
PR-065	30690	32325	1635	6	0.05	Heavy formation grading	(50mm Gravel)	490.5	m3
PR-066	32325	32605	280	6		Heavy formation grading	(No Gravel)	280	m
PR-067	32605	32985	380	6	0.05	Heavy formation grading	(50mm Gravel)	114	m3
PR-068	32985	33155	170	6		Heavy formation grading	(No Gravel)	170	m
PR-069	33155	34025	870	6	0.05	Heavy formation grading	(50mm Gravel)	261	m3
PR-070	34025	34700	675	6		Heavy formation grading	(No Gravel)	675	m
PR-071	34700	35150	450	6	0.05	Heavy formation grading	(50mm Gravel)	135	m3
PR-072	35150	35215	65	6		Heavy formation grading	(No Gravel)	65	m

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
PR-073	35215	36480	1265	6	0.05	Heavy formation grading	(50mm Gravel)	379.5	m3
PR-074	36480	36955	475	6		Heavy formation grading	(No Gravel)	475	m
PR-075	36955	37610	655	6	0.05	Heavy formation grading	(50mm Gravel)	196.5	m3
PR-076	37610	38440	830	6		Heavy formation grading	(No Gravel)	830	m
PR-077	38440	39370	930	6	0.05	Heavy formation grading	(50mm Gravel)	279	m3
PR-078	39370	40055	685	6		Heavy formation grading	(No Gravel)	685	m
PR-079	40055	41235	1180	6		Medium formation grading	(No Gravel)	1180	m
PR-080	41235	41495	260	6	0.05	Heavy formation grading	(50mm Gravel)	78	m3
PR-081	41520	41560	40	6	0.05	Heavy formation grading	(50mm Gravel)	12	m3
PR-082	41560	41625	65	6		Heavy formation grading	(No Gravel)	65	m
PR-083	41625	41670	45	6	0.05	Heavy formation grading	(50mm Gravel)	13.5	m3
PR-084	41695	42310	615	6		Heavy formation grading	(No Gravel)	615	m
PR-085	42310	42375	65	6	0.05	Heavy formation grading	(50mm Gravel)	19.5	m3
PR-086	42375	43520	1145	6		Heavy formation grading	(No Gravel)	1145	m
PR-087	43520	43795	275	6	0.05	Heavy formation grading	(50mm Gravel)	82.5	m3
PR-088	43795	45155	1360	6		Heavy formation grading	(No Gravel)	1360	m
PR-089	45155	47220	2065	6	0.05	Heavy formation grading	(50mm Gravel)	619.5	m3
PR-090	47220	47395	175	6		Heavy formation grading	(No Gravel)	175	m
PR-091	47420	47725	305	6	0.05	Heavy formation grading	(50mm Gravel)	91.5	m3
PR-092	47725	47840	115	6		Heavy formation grading	(No Gravel)	115	m
PR-093	47840	48140	300	6	0.05	Heavy formation grading	(50mm Gravel)	90	m3
PR-094	48140	48470	330	6		Heavy formation grading	(No Gravel)	330	m
PR-095	48470	50345	1875	6	0.05	Heavy formation grading	(50mm Gravel)	562.5	m3
PR-096	50345	50390	45	6		Heavy formation grading	(No Gravel)	45	m
PR-097	50390	51220	830	6	0.05	Heavy formation grading	(50mm Gravel)	249	m3
PR-098	51220	51640	420	6		Heavy formation grading	(No Gravel)	420	m
PR-099	51640	52685	1045	6	0.05	Heavy formation grading	(50mm Gravel)	313.5	m3
PR-100	52685	52850	165	6		Heavy formation grading	(No Gravel)	165	m
PR-101	52875	53280	405	6	0.05	Heavy formation grading	(50mm Gravel)	121.5	m3
PR-102	53280	53425	145	6		Heavy formation grading	(No Gravel)	145	m
PR-103	53425	54230	805	6	0.05	Heavy formation grading	(50mm Gravel)	241.5	m3
PR-104	54250	54490	240	6		Heavy formation grading	(No Gravel)	240	m
PR-105	54490	54550	60	6	0.05	Heavy formation grading	(50mm Gravel)	18	m3
PR-106	54550	55355	805	6		Heavy formation grading	(No Gravel)	805	m
PR-107	55355	55545	190	6		Medium formation grading	(No Gravel)	190	m
PR-108	55545	56185	640	6		Heavy formation grading	(No Gravel)	640	m
PR-109	56185	56290	105	6	0.05	Heavy formation grading	(50mm Gravel)	31.5	m3
PR-110	56290	56650	360	6		Heavy formation grading	(No Gravel)	360	m
PR-111	56650	56945	295	6	0.05	Heavy formation grading	(50mm Gravel)	88.5	m3
PR-112	56945	57460	515	6		Heavy formation grading	(No Gravel)	515	m

Chainage 0 starts at Gulf Developmental Road (92B) (Approx. Chainage 73000)

4. CONSTRUCTION SKETCH



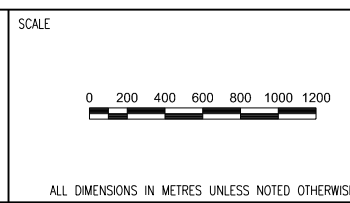
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 - WATERCOURSE
 - ROAD CENTERLINE
 - BULK FILL
 - GRAVEL RESHEETING
 - HEAVY FORMATION GRADING
 - MEDIUM FORMATION GRADING
 - MISCELLANEOUS SCOPE

NOTE
REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

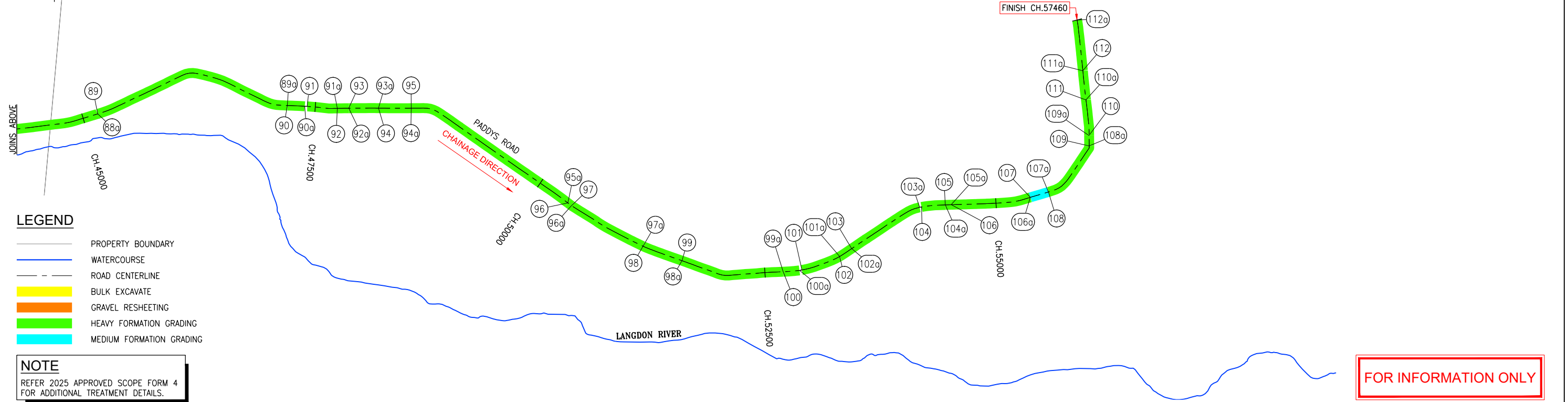
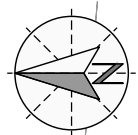
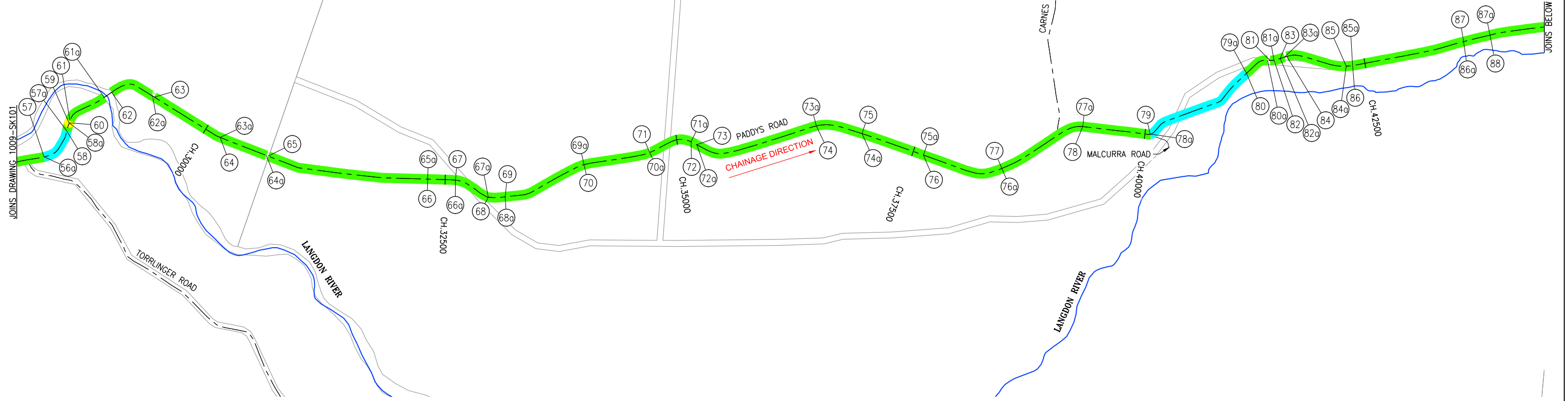
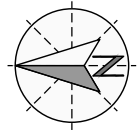
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1	09/03/26	FOR INFORMATION		



DRAWN	BS	DESIGNED
DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE		
DRAWING REF	PADDYS ROAD (ASSET #1009) (SHEET 1 OF 2)		
DRAWING NO	162-001-1009-SK101	SIZE	A1
REVISION			1



LEGEND

- PROPERTY BOUNDARY
- WATERCOURSE
- ROAD CENTERLINE
- BULK EXCAVATE
- GRAVEL RESHEETING
- HEAVY FORMATION GRADING
- MEDIUM FORMATION GRADING

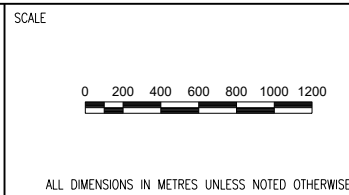
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REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

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CIVIL SIGNOFF APPROVAL	
DATE:	RPEQ:

PROJECT REF ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE	DRAWING REF
PADDYS ROAD (ASSET #1009) (SHEET 2 OF 2)	
DRAWING NO 162-001-1009-SK102	SIZE A1
	REVISION 1

Attachment 10 – Torrlinger Road Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
TORRLINGER ROAD**

**ASSET NO.
1011**

**QRA SUBMISSION REF NO.
ESC.0065.2425T.REC**

PREPARED BY


NORTHLANE
CONSULTING ENGINEERS

CONTENTS

- 1. WORKS SUMMARY**
- 2. WORKS SUMMARY DESCRIPTIONS**
- 3. APPROVED SCOPE - FORM 4**
- 4. CONSTRUCTION SKETCH**

1. WORKS SUMMARY

Works Type	Quantity	Units	Gravel Pit Quantity (m ³ tight)
Gravel Resheeting (100mm Gravel)	40.80	m ³	40.80
Gravel Resheeting (150mm Gravel)	41.40	m ³	41.40
Medium Formation Grading (No Gravel)	12,584	m	N/A
Heavy Formation Grading (No Gravel)	6,926	m	N/A
Heavy Formation Grading (50mm Gravel)	882.60	m ³	882.60
Bulk Fill - Imported	8.70	m ³	8.70
		TOTAL	973.50

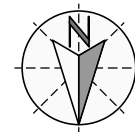
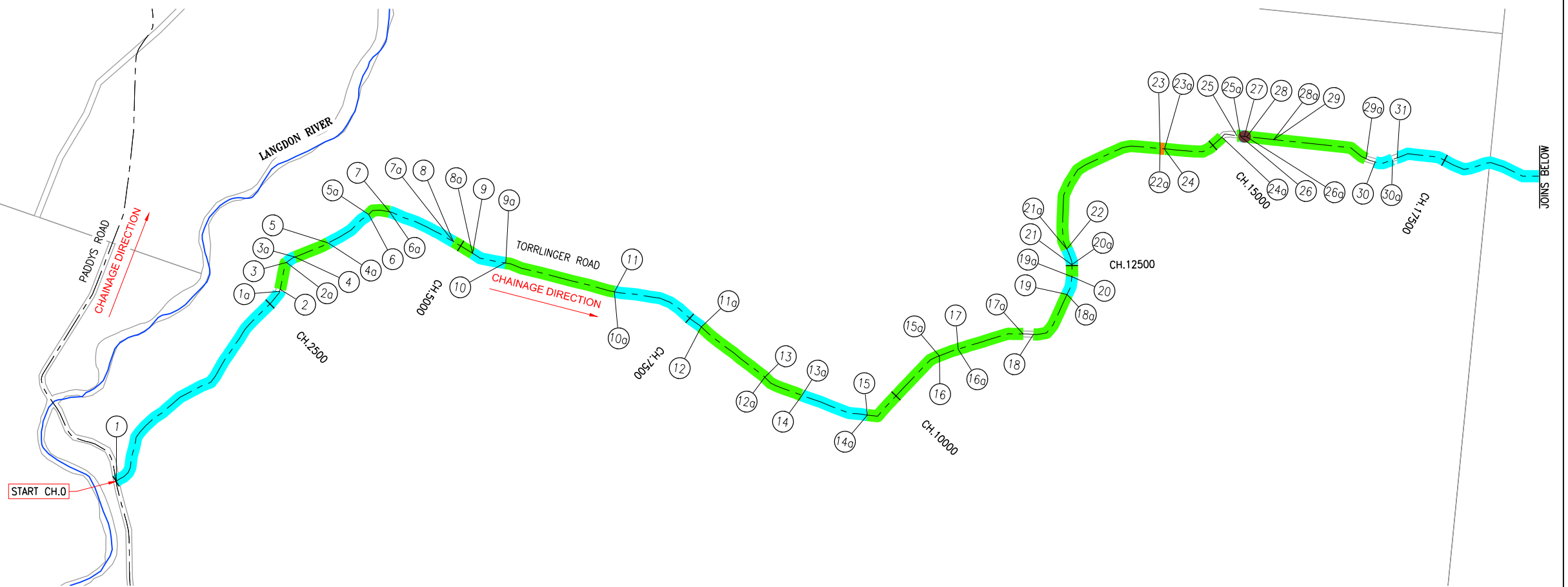
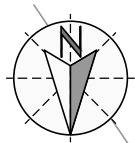
Note: Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is expected to be required to be produced to allow for these items.

2. WORKS SUMMARY DESCRIPTIONS

Refer to technical specifications.

3. APPROVED SCOPE - FORM 4

4. CONSTRUCTION SKETCH



LEGEND

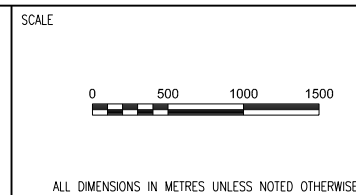
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- WATERCOURSE
- ROAD CENTERLINE
- BULK FILL
- GRAVEL RESHEETING
- HEAVY FORMATION GRADING
- MEDIUM FORMATION GRADING

NOTE

REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

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DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE		
DRAWING REF	TORRLINGER ROAD (ASSET #1011)		
DRAWING NO	162-001-1011-SK101	SIZE	A1
REVISION			1