



SCOPE OF WORKS

2025 DRFA RESTORATION WORKS – PACKAGE 1

CONTRACT NO: ESC2026-006

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 – Abingdon Downs Road – Construction Document

Attachment 5 – Ironhurst Road – Construction Document

Attachment 6 – Lanes Creek 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
-  KELLYS ROAD

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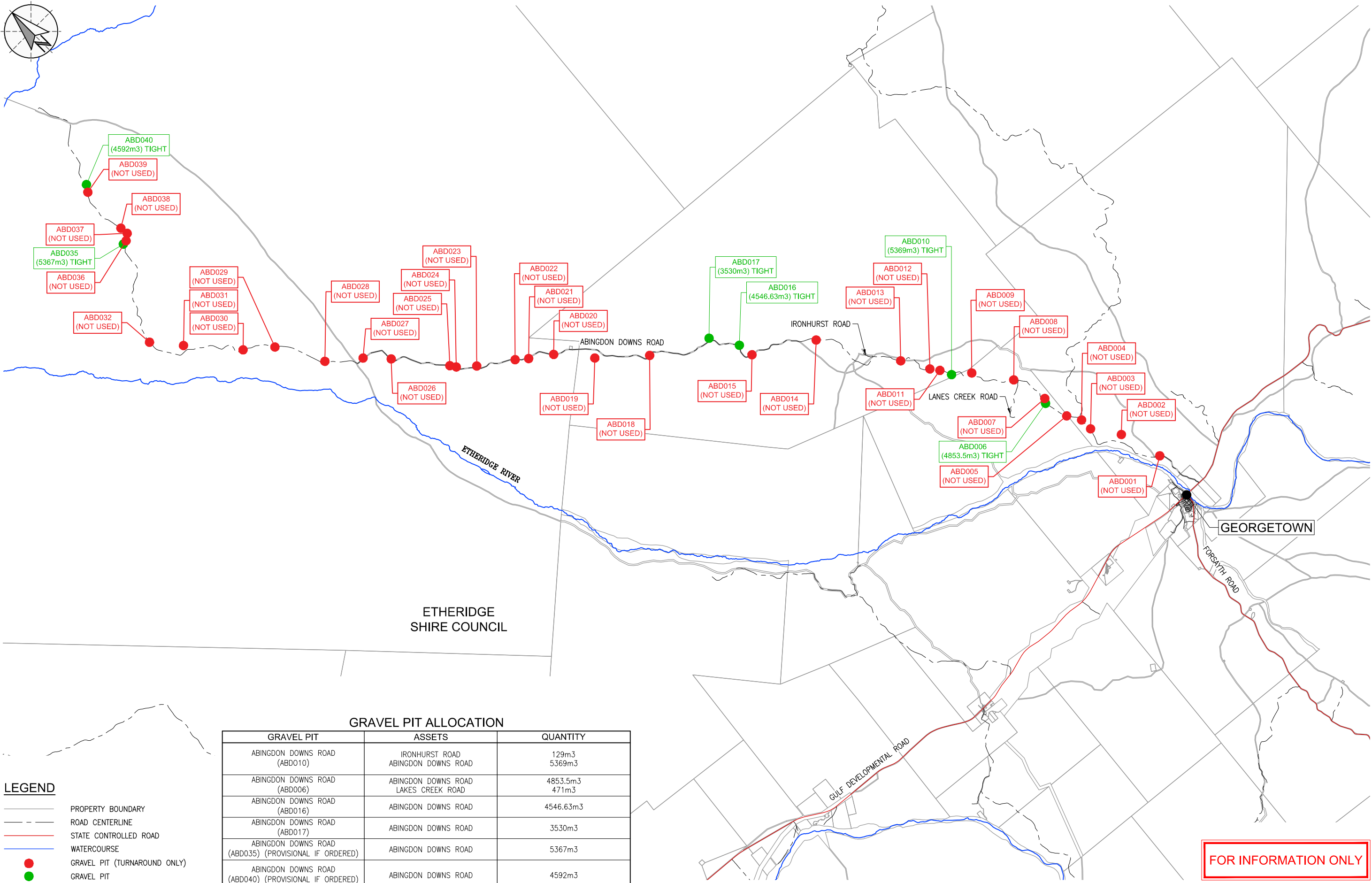


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CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

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

PLOT DATE: 5/08/2025 3:12:13 PM
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Attachment 2 – Gravel Pit Expansion Plan



GRAVEL PIT ALLOCATION

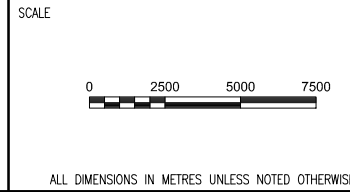
GRAVEL PIT	ASSETS	QUANTITY
ABINGDON DOWNS ROAD (ABD010)	IRONHURST ROAD ABINGDON DOWNS ROAD	129m ³ 5369m ³
ABINGDON DOWNS ROAD (ABD006)	ABINGDON DOWNS ROAD LAKES CREEK ROAD	4853.5m ³ 471m ³
ABINGDON DOWNS ROAD (ABD016)	ABINGDON DOWNS ROAD	4546.63m ³
ABINGDON DOWNS ROAD (ABD017)	ABINGDON DOWNS ROAD	3530m ³
ABINGDON DOWNS ROAD (ABD035) (PROVISIONAL IF ORDERED)	ABINGDON DOWNS ROAD	5367m ³
ABINGDON DOWNS ROAD (ABD040) (PROVISIONAL IF ORDERED)	ABINGDON DOWNS ROAD	4592m ³

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

FOR INFORMATION ONLY

PLOT DATE: 30/04/2026 12:51:50 PM
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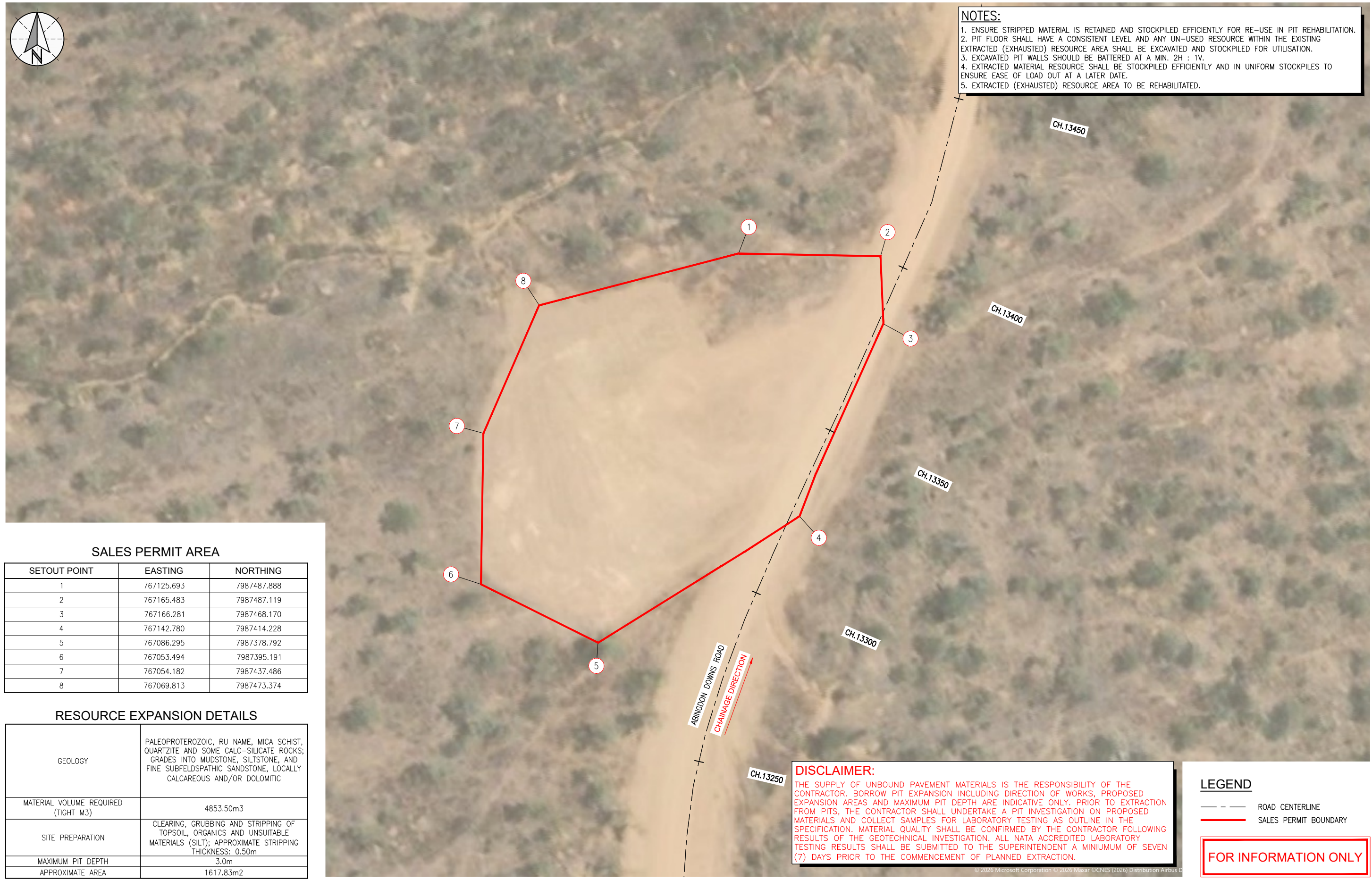
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PROJECT REF	2025 DRFA RESTORATION WORKS ETHERIDGE SHIRE COUNCIL		
DRAWING REF	PACKAGE 2 RESOURCE PLAN		
DRAWING NO	162-000-1-P2-SK0001	SIZE	A1
		REVISION	1



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	767125.693	7987487.888
2	767165.483	7987487.119
3	767166.281	7987468.170
4	767142.780	7987414.228
5	767086.295	7987378.792
6	767053.494	7987395.191
7	767054.182	7987437.486
8	767069.813	7987473.374

RESOURCE EXPANSION DETAILS

GEOLOGY	PALEOPROTEROZOIC, RU NAME, MICA SCHIST, QUARTZITE AND SOME CALC-SILICATE ROCKS; GRADES INTO MUDSTONE, SILTSTONE, AND FINE SUBFELDSPATHIC SANDSTONE, LOCALLY CALCAREOUS AND/OR DOLOMITIC
MATERIAL VOLUME REQUIRED (TIGHT M3)	4853.50m3
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	1617.83m2

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.

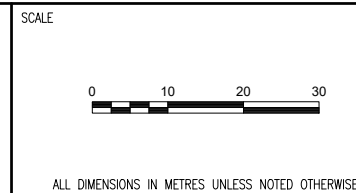
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- ROAD CENTERLINE
- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

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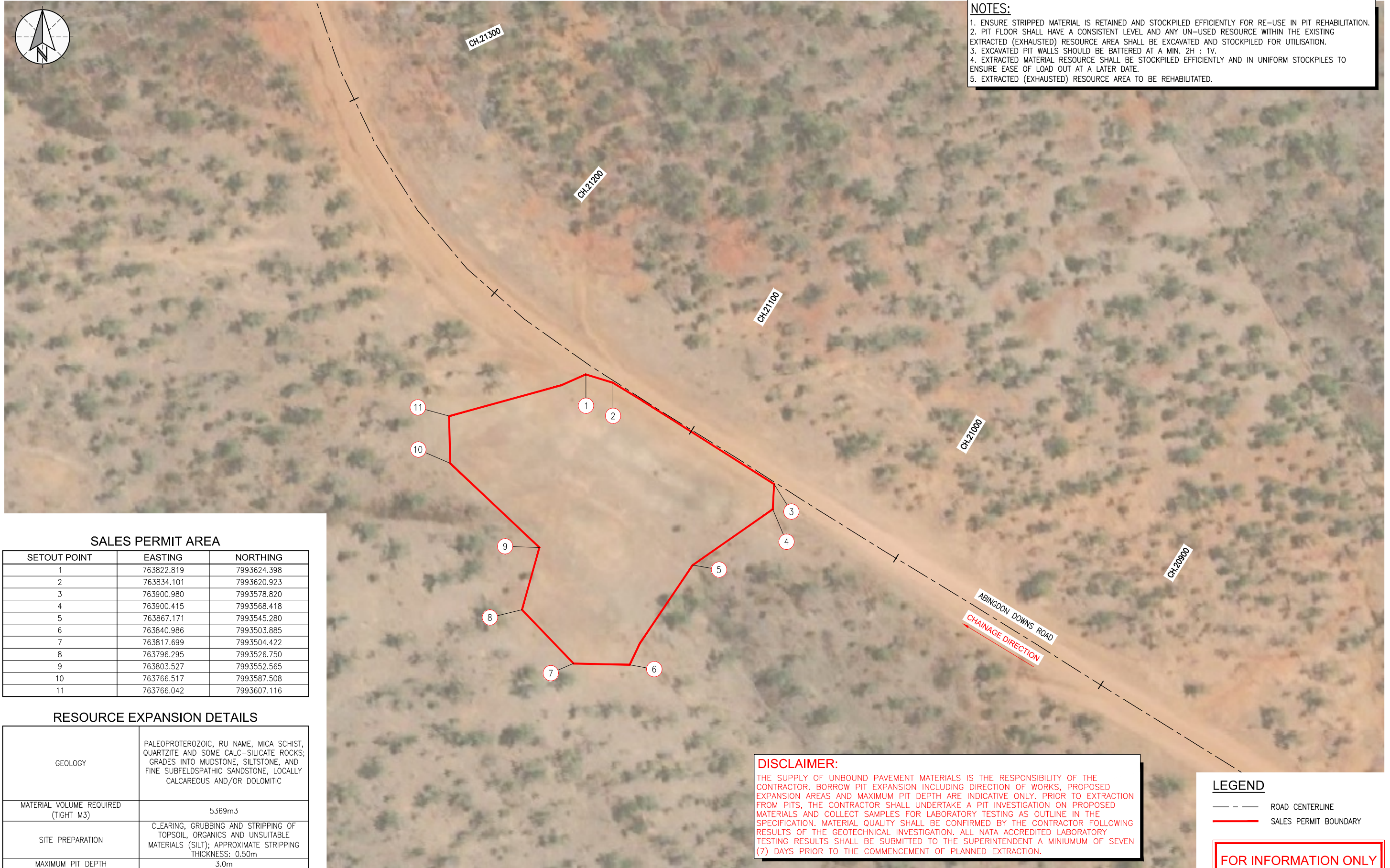
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DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL GRAVEL PIT PLAN		
DRAWING REF	ABINGDON DOWNS 006 ABD006		
DRAWING NO	162-000-1-ABD006-SK101	SIZE	A1
REVISION			1



NOTES:

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5. EXTRACTED (EXHAUSTED) RESOURCE AREA TO BE REHABILITATED.



SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	763822.819	7993624.398
2	763834.101	7993620.923
3	763900.980	7993578.820
4	763900.415	7993568.418
5	763867.171	7993545.280
6	763840.986	7993503.885
7	763817.699	7993504.422
8	763796.295	7993526.750
9	763803.527	7993552.565
10	763766.517	7993587.508
11	763766.042	7993607.116

RESOURCE EXPANSION DETAILS

GEOLOGY	PALEOPROTEROZOIC, RU NAME, MICA SCHIST, QUARTZITE AND SOME CALC-SILICATE ROCKS; GRADES INTO MUDSTONE, SILTSTONE, AND FINE SUBFELDSPATHIC SANDSTONE, LOCALLY CALCAREOUS AND/OR DOLOMITIC
MATERIAL VOLUME REQUIRED (TIGHT M3)	5369m3
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	1789.67m2

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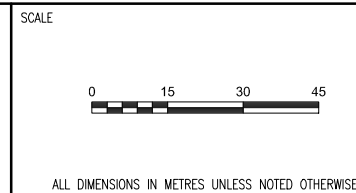
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- ROAD CENTERLINE
- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

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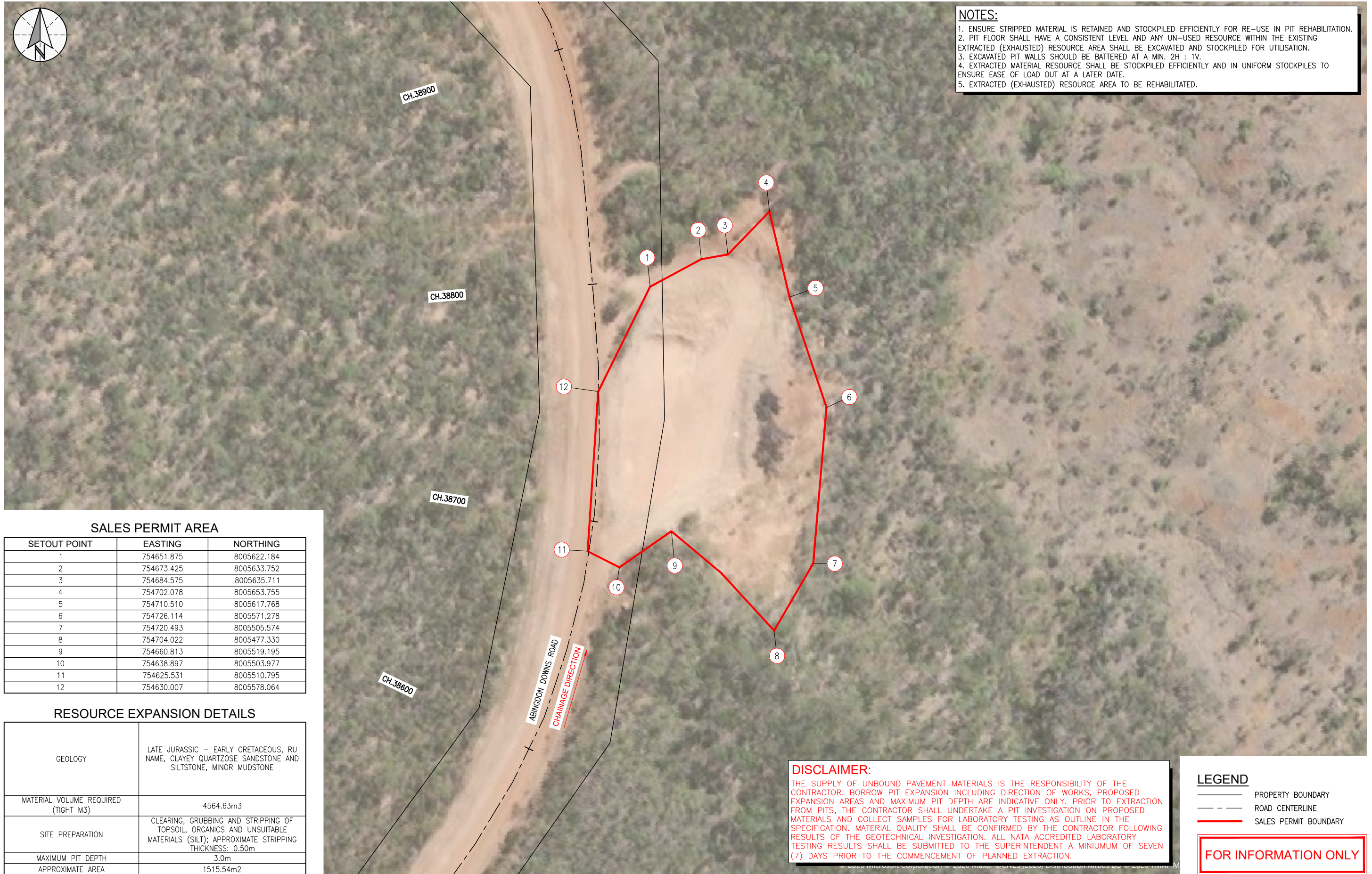
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PROJECT REF	ETHERIDGE SHIRE COUNCIL GRAVEL PIT PLAN		
DRAWING REF	ABINGDON DOWNS 010 ABD010		
DRAWING NO	162-000-1-ABD010-SK101	SIZE	A1
REVISION			1



NOTES:

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5. EXTRACTED (EXHAUSTED) RESOURCE AREA TO BE REHABILITATED.



SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	754651.875	8005622.184
2	754673.425	8005633.752
3	754684.575	8005635.711
4	754702.078	8005653.755
5	754710.510	8005617.768
6	754726.114	8005571.278
7	754720.493	8005505.574
8	754704.022	8005477.330
9	754660.813	8005519.195
10	754638.897	8005503.977
11	754625.531	8005510.795
12	754630.007	8005578.064

RESOURCE EXPANSION DETAILS

GEOLOGY	LATE JURASSIC – EARLY CRETACEOUS, RU NAME, CLAYEY QUARTZOSE SANDSTONE AND SILTSTONE, MINOR MUDSTONE
MATERIAL VOLUME REQUIRED (TIGHT M3)	4564.63m3
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	1515.54m2

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LEGEND

- PROPERTY BOUNDARY
- ROAD CENTERLINE
- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

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SCALE



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CIVIL SIGNOFF APPROVAL

DATE:

RPEQ:

PROJECT REF

ETHERIDGE SHIRE COUNCIL
GRAVEL PIT PLAN

DRAWING REF

ABINGDON DOWNS 016
ABD016

DRAWING NO

162-000-1-ABD016-SK101

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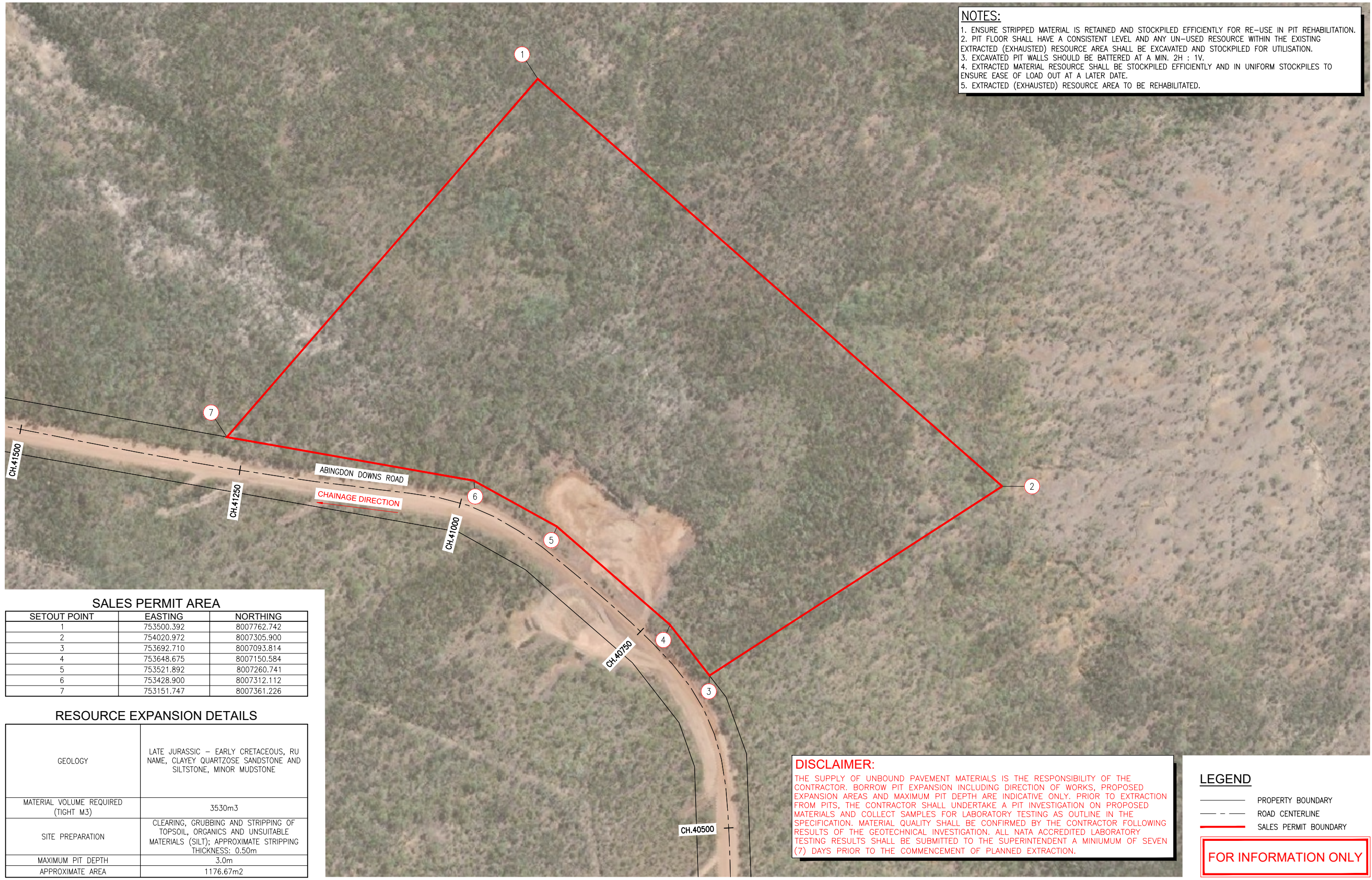
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REVISION

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.
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5. EXTRACTED (EXHAUSTED) RESOURCE AREA TO BE REHABILITATED.



SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	753500.392	8007762.742
2	754020.972	8007305.900
3	753692.710	8007093.814
4	753648.675	8007150.584
5	753521.892	8007260.741
6	753428.900	8007312.112
7	753151.747	8007361.226

RESOURCE EXPANSION DETAILS

GEOLOGY	LATE JURASSIC – EARLY CRETACEOUS, RU NAME, CLAYEY QUARTZOSE SANDSTONE AND SILTSTONE, MINOR MUDSTONE
MATERIAL VOLUME REQUIRED (TIGHT M3)	3530m3
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	1176.67m2

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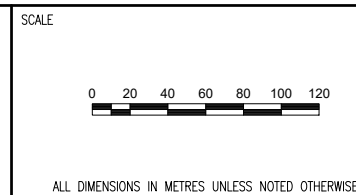
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- PROPERTY BOUNDARY
- - - ROAD CENTERLINE
- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

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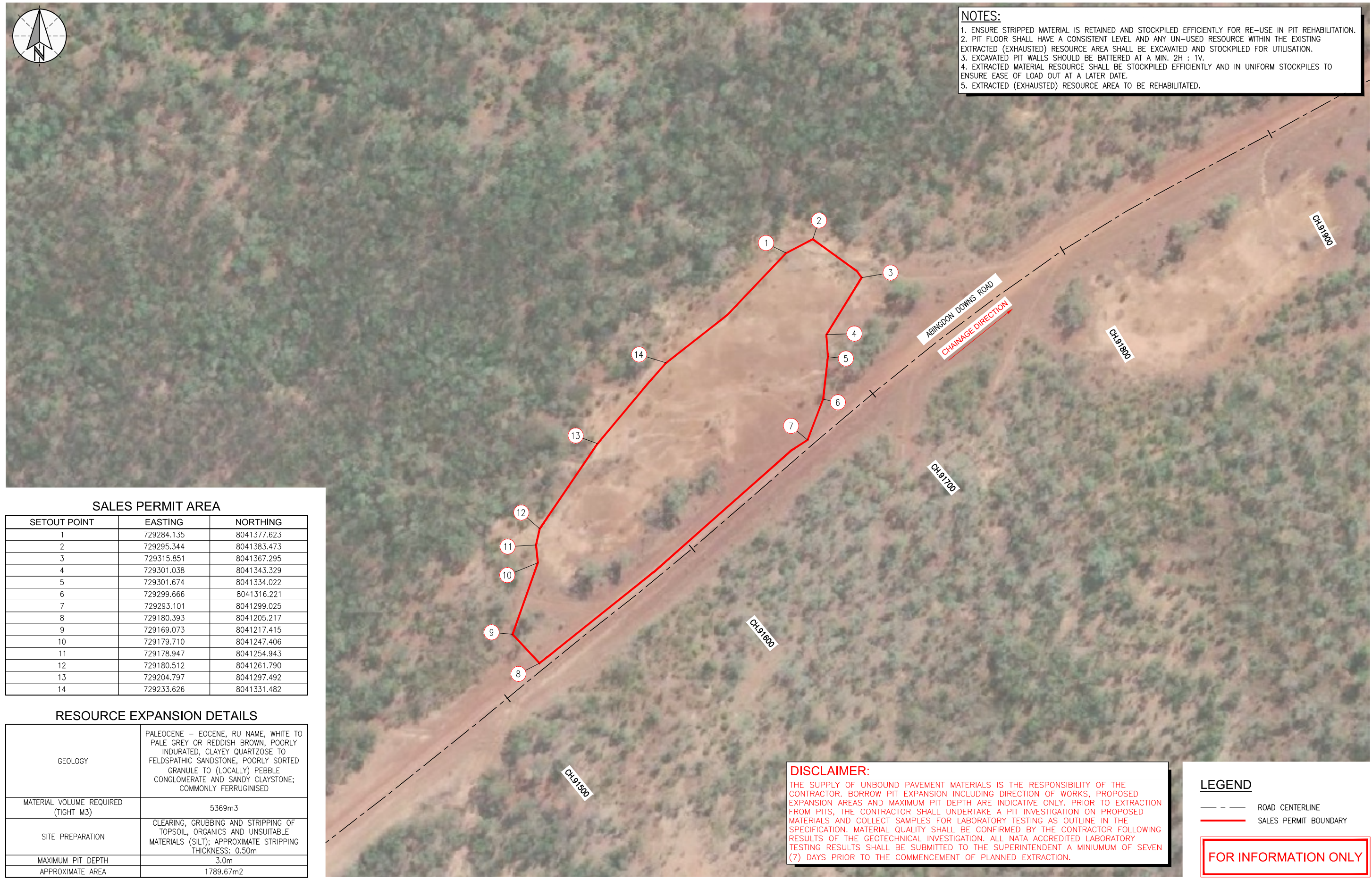
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DATE:	RPEQ:

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DRAWING REF	ABINGDON DOWNS 017 ABD017		
DRAWING NO	162-000-1-ABD017-SK101	SIZE	A1
REVISION			1



NOTES:

1. ENSURE STRIPPED MATERIAL IS RETAINED AND STOCKPILED EFFICIENTLY FOR RE-USE IN PIT REHABILITATION.
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5. EXTRACTED (EXHAUSTED) RESOURCE AREA TO BE REHABILITATED.



SALES PERMIT AREA

SETOUT POINT	EASTING	NORTHING
1	729284.135	8041377.623
2	729295.344	8041383.473
3	729315.851	8041367.295
4	729301.038	8041343.329
5	729301.674	8041334.022
6	729299.666	8041316.221
7	729293.101	8041299.025
8	729180.393	8041205.217
9	729169.073	8041217.415
10	729179.710	8041247.406
11	729178.947	8041254.943
12	729180.512	8041261.790
13	729204.797	8041297.492
14	729233.626	8041331.482

RESOURCE EXPANSION DETAILS

GEOLOGY	PALEOCENE – EOCENE, RU NAME, WHITE TO PALE GREY OR REDDISH BROWN, POORLY INDURATED, CLAYEY QUARTZOSE TO FELDSPATHIC SANDSTONE, POORLY SORTED GRANULE TO (LOCALLY) PEBBLE CONGLOMERATE AND SANDY CLAYSTONE; COMMONLY FERRUGINISED
MATERIAL VOLUME REQUIRED (TIGHT M3)	5369m3
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	1789.67m2

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LEGEND

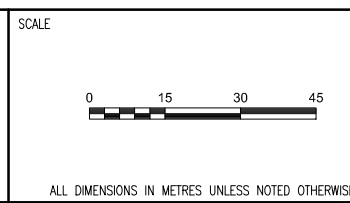
--- ROAD CENTERLINE

--- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

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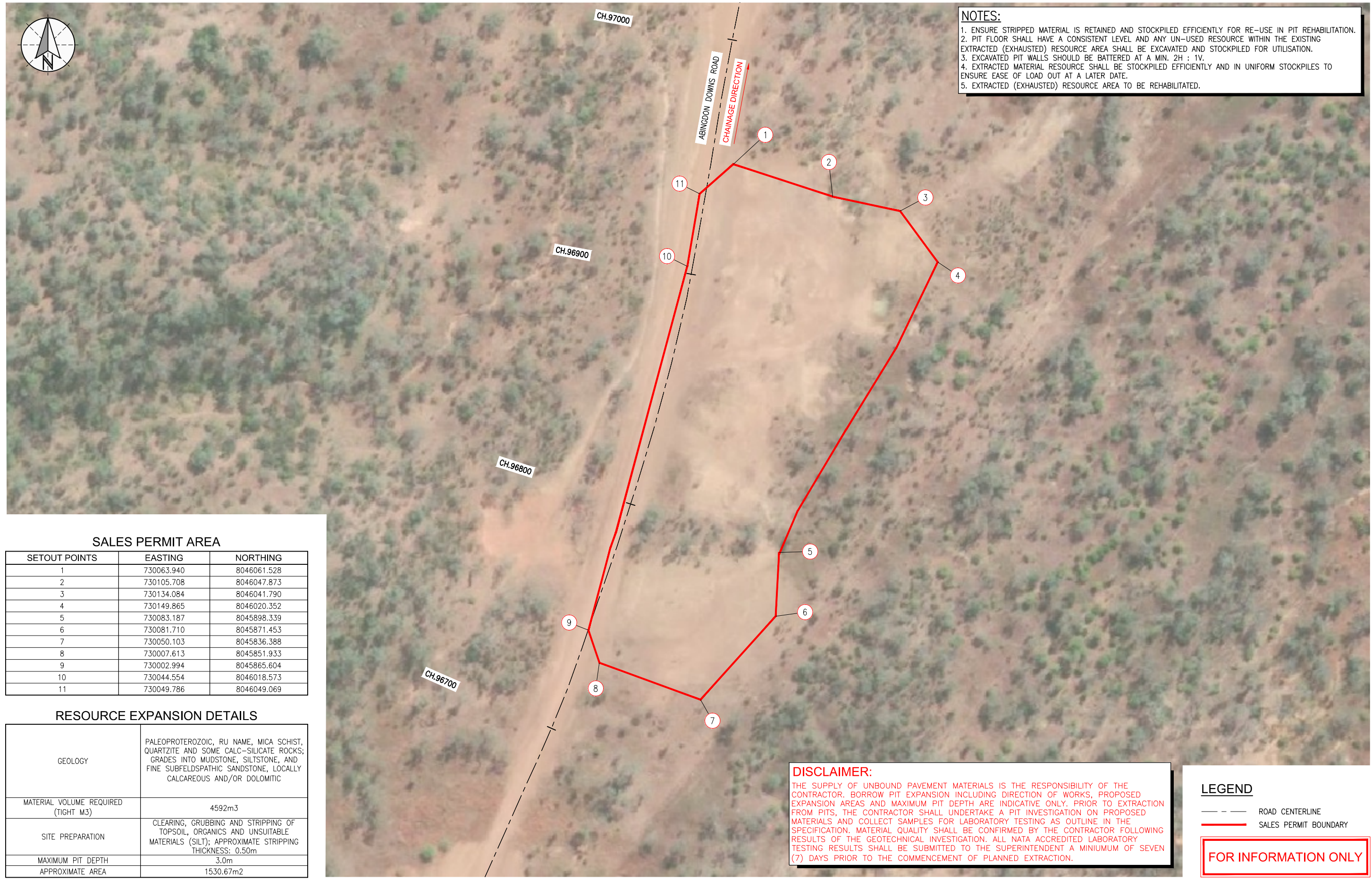
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DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
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DRAWING REF	ABINGDON DOWNS 035 ABD035 - (PROVISIONAL IF ORDERED)		
DRAWING NO	162-000-1-ABD035-SK101	SIZE	A1
REVISION			1



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 POINTS	EASTING	NORTHING
1	730063.940	8046061.528
2	730105.708	8046047.873
3	730134.084	8046041.790
4	730149.865	8046020.352
5	730083.187	8045898.339
6	730081.710	8045871.453
7	730050.103	8045836.388
8	730007.613	8045851.933
9	730002.994	8045865.604
10	730044.554	8046018.573
11	730049.786	8046049.069

RESOURCE EXPANSION DETAILS

GEOLOGY	PALEOPROTEROZOIC, RU NAME, MICA SCHIST, QUARTZITE AND SOME CALC-SILICATE ROCKS; GRADES INTO MUDSTONE, SILTSTONE, AND FINE SUBFELDSPATHIC SANDSTONE, LOCALLY CALCAREOUS AND/OR DOLOMITIC
MATERIAL VOLUME REQUIRED (TIGHT M3)	4592m3
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	1530.67m2

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

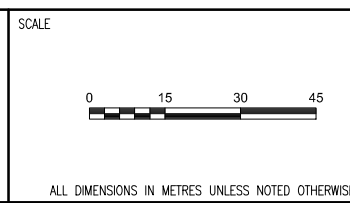
--- ROAD CENTERLINE

--- SALES PERMIT BOUNDARY

FOR INFORMATION ONLY

PLOT DATE: 30/04/2026 12:55:25 PM
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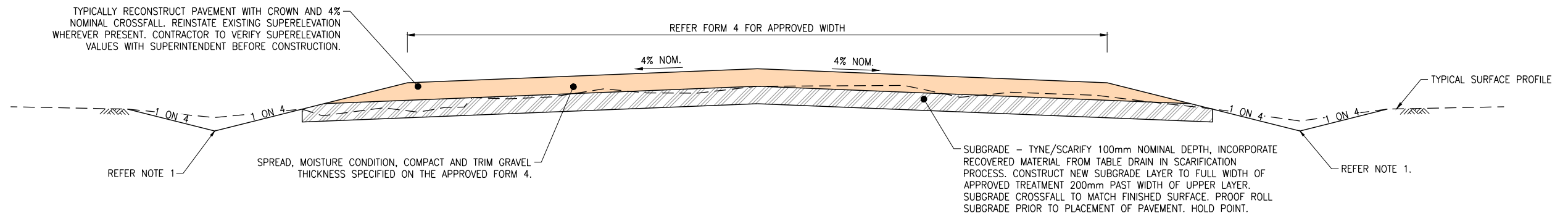
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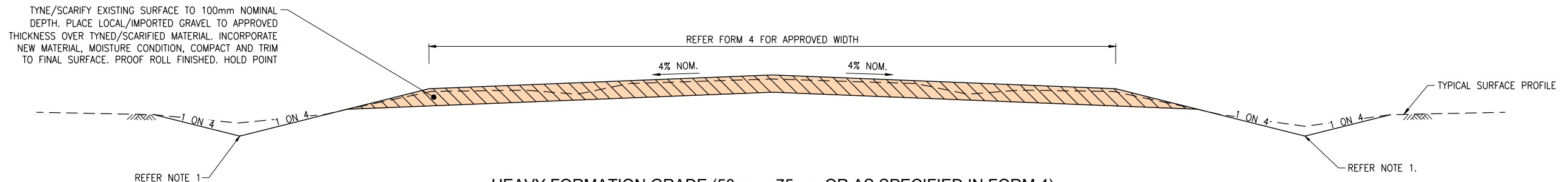
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CIVIL SIGNOFF APPROVAL		
DATE:		RPE:

PROJECT REF	ETHERIDGE SHIRE COUNCIL GRAVEL PIT PLAN		
DRAWING REF	ABINGDON DOWNS 040 ABD040 - (PROVISIONAL IF ORDERED)		
DRAWING NO	162-000-1-ABD040-SK101	SIZE	A1
REVISION			1

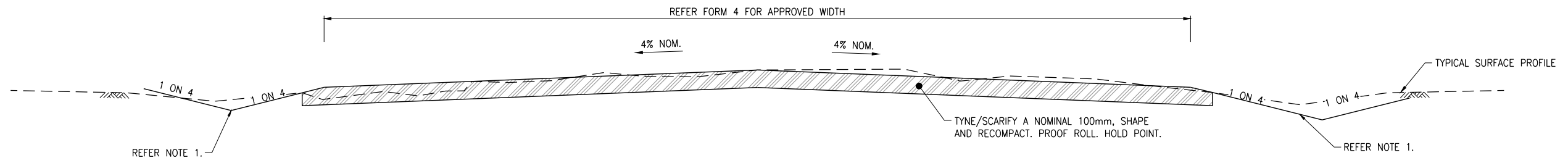
Attachment 3 – Typical Sections, Setout Legend, and Compaction Testing Requirements



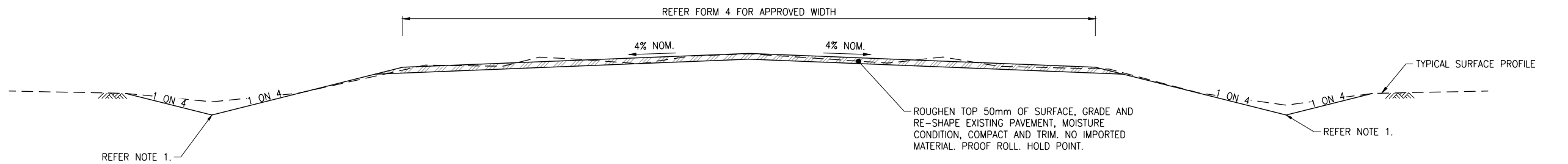
GRAVEL RESHEET (100mm - 150mm OR AS SPECIFIED IN FORM 4)



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



HEAVY FORMATION GRADE (NO GRAVEL)



MEDIUM FORMATION GRADE

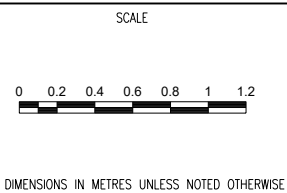
NOTES

- 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

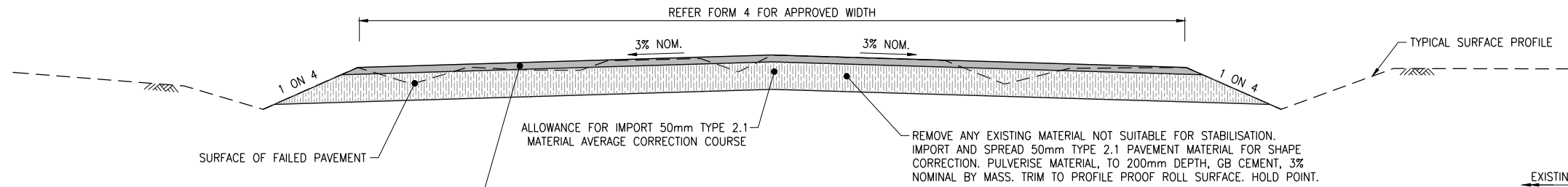
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REVISIONS				
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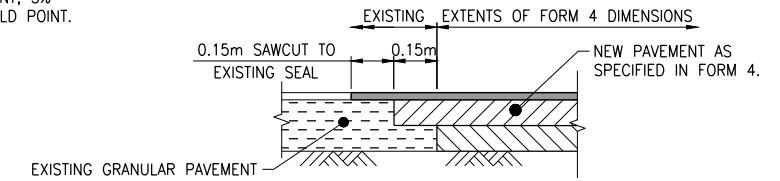
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CIVIL SIGNOFF APPROVAL		
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DRAWING REF	TYPICAL SECTIONS AND DETAILS (SHEET 1 OF 3)		
DRAWING NO	162-001-SK201	SIZE	A1
REVISION			1

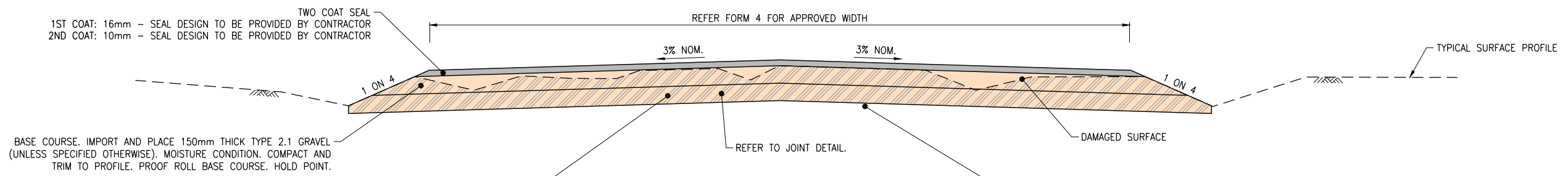


TWO COAT SEAL
 1ST COAT: 16mm - SEAL DESIGN TO BE PROVIDED BY CONTRACTOR
 2ND COAT: 10mm - SEAL DESIGN TO BE PROVIDED BY CONTRACTOR

IN SITU STABILISATION

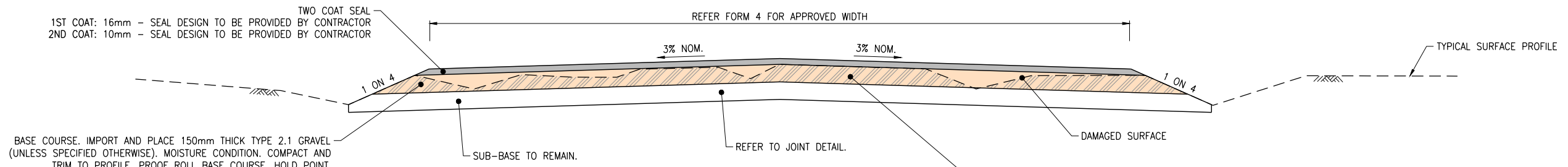


JOIN TO EXISTING PAVEMENT DETAIL



BASE COURSE. IMPORT AND PLACE 150mm THICK TYPE 2.1 GRAVEL (UNLESS SPECIFIED OTHERWISE). MOISTURE CONDITION. COMPACT AND TRIM TO PROFILE. PROOF ROLL BASE COURSE. HOLD POINT.
 SUB-BASE. IMPORT AND PLACE 150mm THICK TYPE 2.3 GRAVEL (UNLESS SPECIFIED OTHERWISE) MOISTURE CONDITION, COMPACT AND TRIM TO PROFILE. PROOF ROLL SUB-BASE. HOLD POINT.

RECONSTRUCT PAVEMENT/PATCH REPAIR



BASE COURSE. IMPORT AND PLACE 150mm THICK TYPE 2.1 GRAVEL (UNLESS SPECIFIED OTHERWISE). MOISTURE CONDITION. COMPACT AND TRIM TO PROFILE. PROOF ROLL BASE COURSE. HOLD POINT.
 SUB-BASE TO REMAIN.

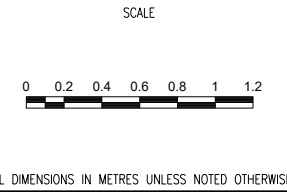
RECONSTRUCT BASE REPAIR

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.

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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

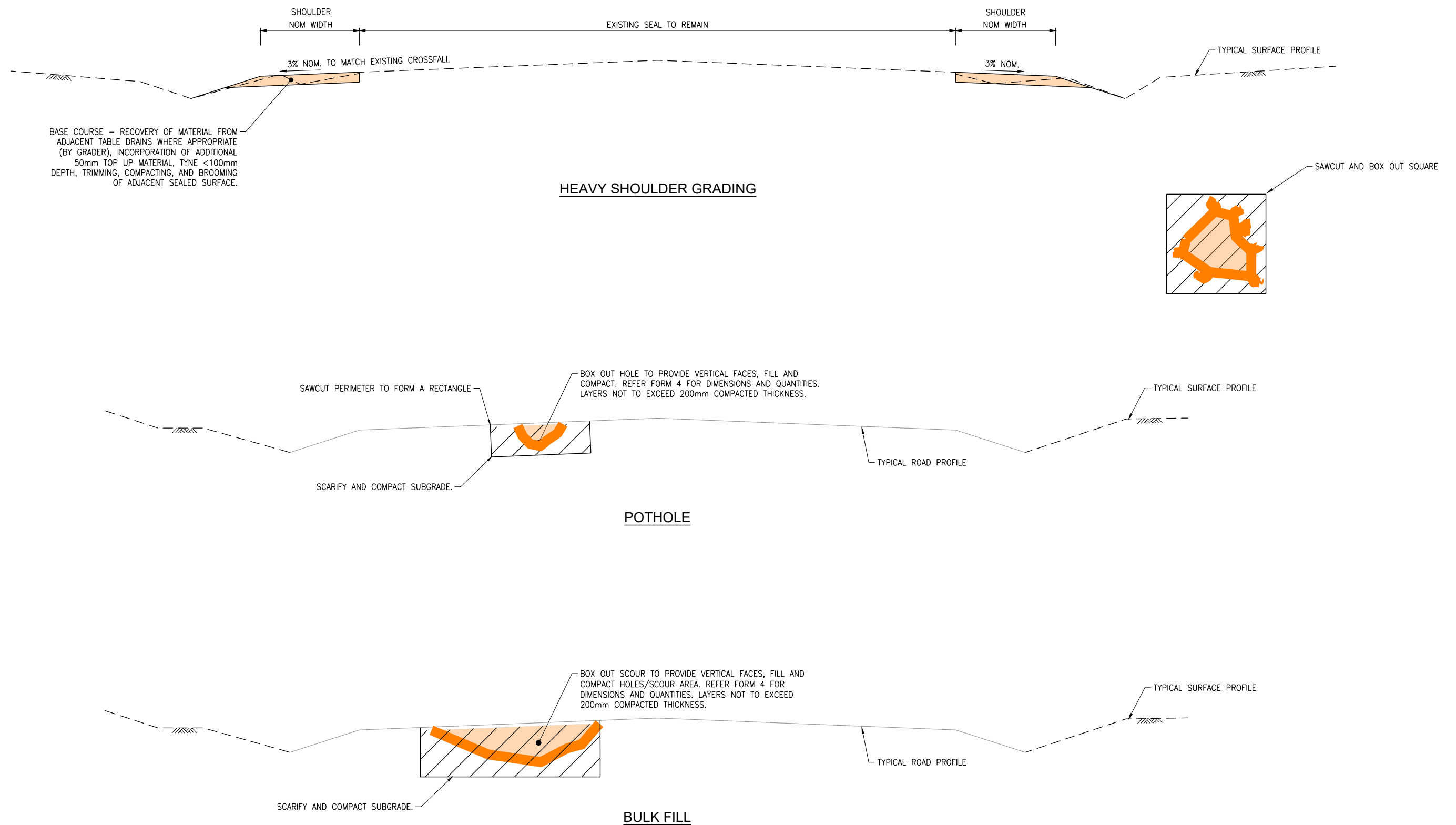
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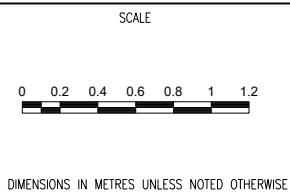
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DRAWING REF	TYPICAL SECTIONS AND DETAILS (SHEET 2 OF 3)		
DRAWING NO	113-118-SK202	SIZE	A1
REVISION			1

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CIVIL SIGNOFF APPROVAL		
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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.

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	01/05/26	FOR INFORMATION ONLY		



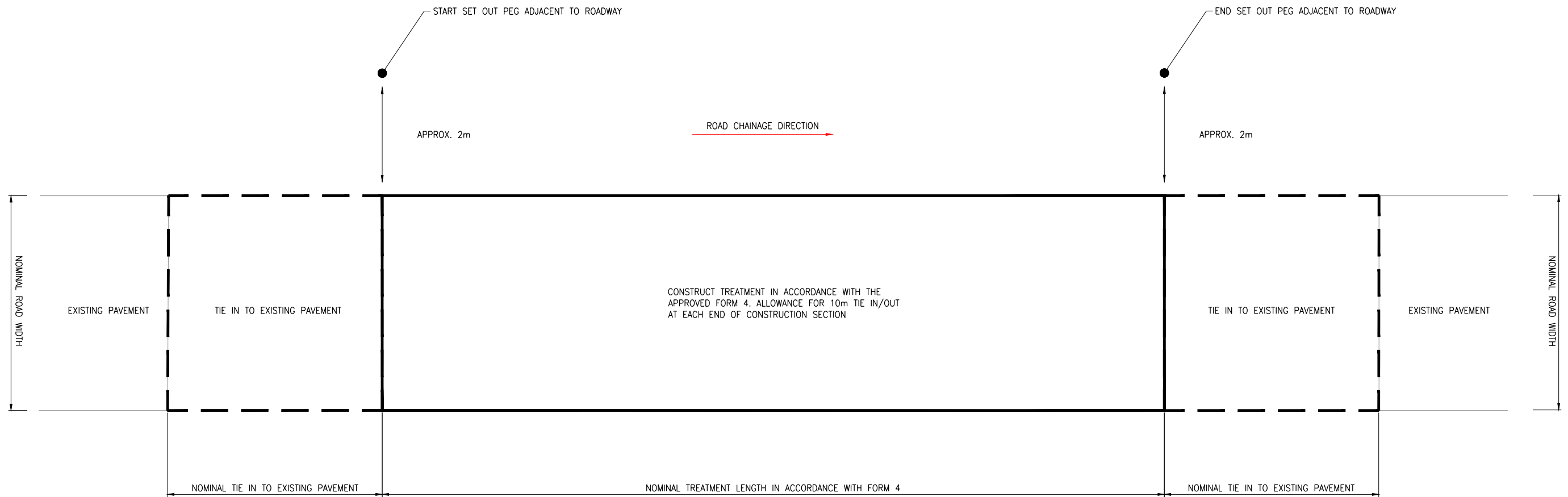
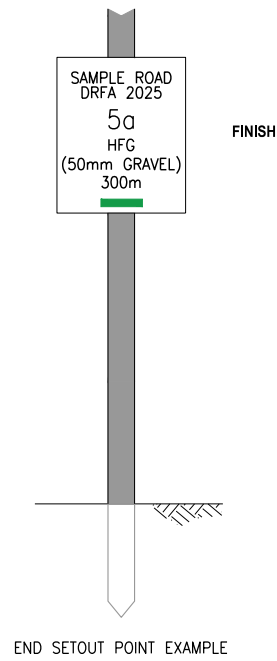
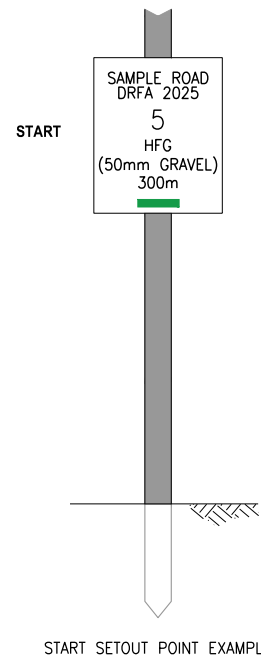
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ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

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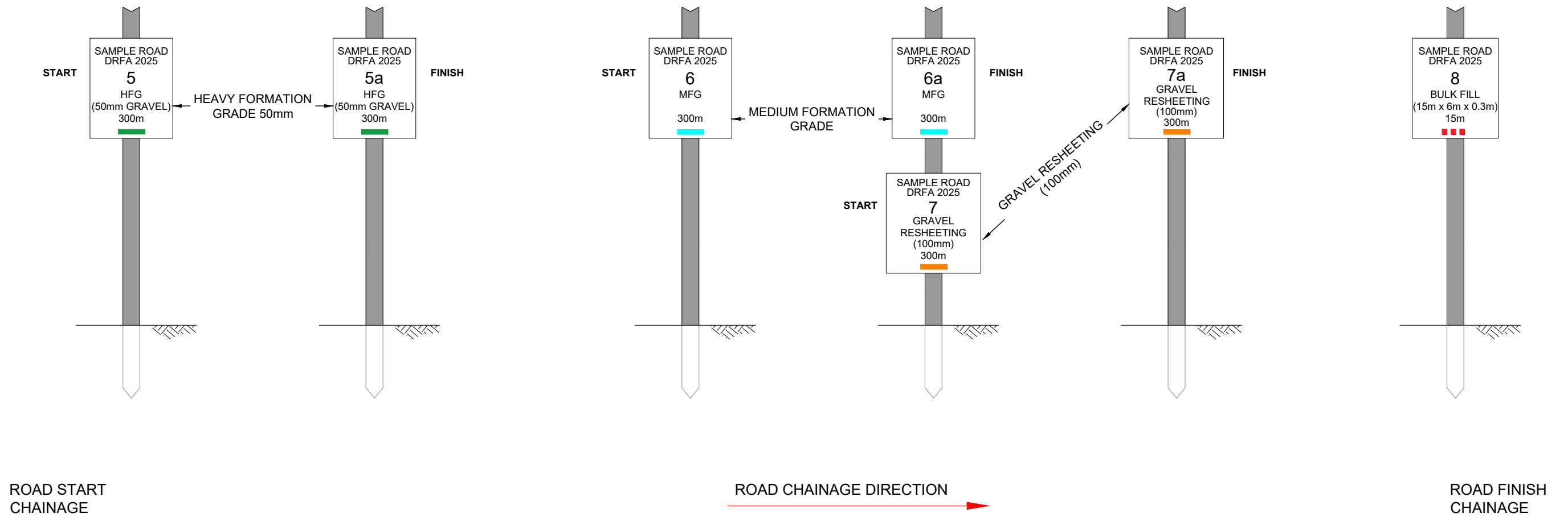
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DRAWING REF		TYPICAL SECTION PLAN	
DRAWING NO	162-001-SK205	SIZE	A1
		REVISION	1

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")

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		CIVIL SIGNOFF APPROVAL			
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PROJECT REF		ETHERIDGE SHIRE COUNCIL 2025 DRFA ROAD RESTORATION	
DRAWING REF		SETOUT MARKERS LEGEND	
DRAWING NO	162-001-SK206	SIZE	A1
REVISION	1		

Attachment 4 – Abingdon Downs Road – Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
ABINGDON DOWNS ROAD**

**ASSET NO.
1039**

**QRA SUBMISSION REF NO.
ESC.0067.2425T.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)	3,045	m	N/A
Heavy Formation Grading (No Gravel)	16,750	m	N/A
Heavy Formation Grading (50mm Gravel)	26,006.25	m ³	26,006.25
Heavy Formation Grading (75mm Gravel)	1,545	m ³	1,545
Bulk Fill - Imported	106.88	m ³	106.88
Bulk Excavate - Remove	61.25	m ³	N/A
Replace Guidepost or Markers	21	Each	N/A
Replace Sign (complete) – Standard Road Sign, Includes Posts	1	Each	N/A
Replace Sign Face Only – Standard Road Sign	1	Each	N/A
		TOTAL	27,658.13

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.0067.2425T.REC - RESTORATION
ABINGDON DOWNS ROAD (ASSET #1039)



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 allow for these items.

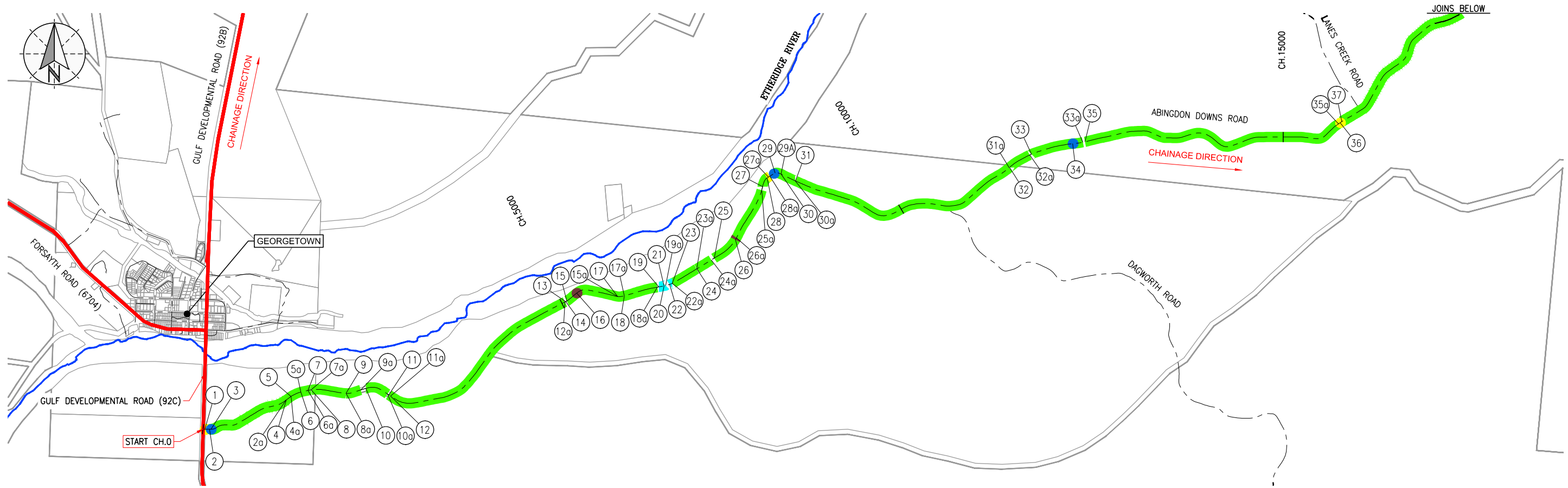
Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
AD-001	20	35	15	1.5	0.1	Bulk excavate - remove	(LHS - 15m X 1.5m X 0.1m)	2.25	m3
AD-002	80	1100	1020	8	0.05	Heavy formation grading	(50mm Gravel)	408	m3
AD-003	95	95				Replace sign (complete) - standard road sign, includes post	(RHS - x1)	1	Each
AD-004	1100	1175	75	8	0.075	Heavy formation grading	(75mm Gravel)	45	m3
AD-005	1175	1305	130	8	0.05	Heavy formation grading	(50mm Gravel)	52	m3
AD-006	1305	1395	90	8	0.075	Heavy formation grading	(75mm Gravel)	54	m3
AD-007	1395	1430	35	8	0.05	Heavy formation grading	(50mm Gravel)	14	m3
AD-008	1435	1865	430	8	0.05	Heavy formation grading	(50mm Gravel)	172	m3
AD-009	1865	2050	185	8	0.075	Heavy formation grading	(75mm Gravel)	111	m3
AD-010	2115	2400	285	8	0.05	Heavy formation grading	(50mm Gravel)	114	m3
AD-011	2420	2445	25	8		Heavy formation grading	(No Gravel)	25	m
AD-012	2445	5040	2595	8	0.05	Heavy formation grading	(50mm Gravel)	1038	m3
AD-013	5050	5050				Replace guide posts or markers	(LHS - x1)	1	Each
AD-014	5050	5050				Replace guide posts or markers	(RHS - x1)	1	Each
AD-015	5065	5735	670	8	0.05	Heavy formation grading	(50mm Gravel)	268	m3
AD-016	5220	5225	5	1.5	0.3	Bulk fill - imported	(LHS - 5m X 1.5m X 0.3m)	2.25	m3
AD-017	5735	5820	85	8	0.075	Heavy formation grading	(75mm Gravel)	51	m3
AD-018	5820	6235	415	8	0.05	Heavy formation grading	(50mm Gravel)	166	m3
AD-019	6255	6340	85	8		Medium formation grading	(No Gravel)	85	m
AD-020	6320	6320				Replace guide posts or markers	(LHS - x1)	1	Each
AD-021	6320	6320				Replace guide posts or markers	(RHS - x1)	1	Each
AD-022	6390	6425	35	8		Medium formation grading	(No Gravel)	35	m
AD-023	6425	6770	345	8	0.05	Heavy formation grading	(50mm Gravel)	138	m3
AD-024	6775	6980	205	9	0.05	Heavy formation grading	(50mm Gravel)	92.25	m3
AD-025	7020	8055	1035	8	0.05	Heavy formation grading	(50mm Gravel)	414	m3
AD-026	7370	7395	25	1	0.2	Bulk fill - imported	(RHS - 25m X 1m X 0.2m)	5	m3
AD-027	8100	8240	140	8	0.05	Heavy formation grading	(50mm Gravel)	56	m3
AD-028	8220	8260	40	2	0.1	Bulk excavate - remove	(40m X 2m X 0.1m)	8	m3
AD-029	8335	8410	75	8	0.05	Heavy formation grading	(50mm Gravel)	30	m3
AD-030	8410	8600	190	8		Heavy formation grading	(No Gravel)	190	m
AD-031	8605	11485	2880	8	0.05	Heavy formation grading	(50mm Gravel)	1152	m3
AD-032	11490	11780	290	8	0.05	Heavy formation grading	(50mm Gravel)	116	m3
AD-033	11805	12450	645	8	0.05	Heavy formation grading	(50mm Gravel)	258	m3
AD-034	12325	12325				Replace guide posts or markers	(RHS - x1)	1	Each
AD-035	12475	15740	3265	8	0.05	Heavy formation grading	(50mm Gravel)	1306	m3
AD-036	15765	15775	10	6	0.1	Bulk excavate - remove	(10m X 6m X 0.1m)	6	m3
AD-037	15790	19140	3350	8	0.05	Heavy formation grading	(50mm Gravel)	1340	m3
AD-038	19165	19215	50	8		Heavy formation grading	(No Gravel)	50	m
AD-039	19215	20215	1000	8	0.05	Heavy formation grading	(50mm Gravel)	400	m3
AD-040	20220	20470	250	8	0.075	Heavy formation grading	(75mm Gravel)	150	m3
AD-041	20470	20535	65	8	0.05	Heavy formation grading	(50mm Gravel)	26	m3
AD-042	20535	20710	175	8		Medium formation grading	(No Gravel)	175	m
AD-043	20710	21365	655	8	0.075	Heavy formation grading	(75mm Gravel)	393	m3
AD-044	21365	22105	740	8	0.05	Heavy formation grading	(50mm Gravel)	296	m3
AD-045	22105	22640	535	8	0.075	Heavy formation grading	(75mm Gravel)	321	m3
AD-046	22640	23405	765	8	0.05	Heavy formation grading	(50mm Gravel)	306	m3
AD-047	23405	23450	45	8		Heavy formation grading	(No Gravel)	45	m
AD-048	23450	24270	820	8	0.05	Heavy formation grading	(50mm Gravel)	328	m3
AD-049	24290	24855	565	8	0.05	Heavy formation grading	(50mm Gravel)	226	m3
AD-050	24855	24980	125	8		Heavy formation grading	(No Gravel)	125	m
AD-051	24980	25640	660	8	0.05	Heavy formation grading	(50mm Gravel)	264	m3
AD-052	25925	27785	1860	8	0.05	Heavy formation grading	(50mm Gravel)	744	m3
AD-053	27800	28230	430	8	0.05	Heavy formation grading	(50mm Gravel)	172	m3
AD-054	28235	28235				Replace guide posts or markers	(RHS - x1)	1	Each
AD-055	28255	28695	440	8	0.05	Heavy formation grading	(50mm Gravel)	176	m3
AD-056	28695	28695				Replace guide posts or markers	(LHS - x1)	1	Each
AD-057	28695	28695				Replace guide posts or markers	(RHS - x1)	1	Each
AD-058	28705	28750	45	1.5	0.15	Bulk fill - imported	(LHS - 45m X 1.5m X 0.15m)	10.125	m3
AD-059	28725	29120	395	8	0.05	Heavy formation grading	(50mm Gravel)	158	m3
AD-060	29125	29735	610	8	0.05	Heavy formation grading	(50mm Gravel)	244	m3
AD-061	29135	29135				Replace sign face only - standard road sign	(LHS - x1)	1	Each
AD-062	29760	31025	1265	8	0.05	Heavy formation grading	(50mm Gravel)	506	m3
AD-063	31015	31015				Replace guide posts or markers	(LHS - x1)	1	Each
AD-064	31030	31035	5	1	0.2	Bulk excavate - remove	(RHS - 5m X 1m X 0.2m)	1	m3
AD-065	31030	31030				Replace guide posts or markers	(LHS - x1)	1	Each
AD-066	31045	31905	860	8		Heavy formation grading	(No Gravel)	860	m
AD-067	31905	32460	555	8	0.05	Heavy formation grading	(50mm Gravel)	222	m3
AD-068	32485	33215	730	8		Heavy formation grading	(No Gravel)	730	m
AD-069	33220	33220				Replace guide posts or markers	(LHS - x1)	1	Each
AD-070	33260	33270	10	1	0.1	Bulk excavate - remove	(RHS - 10m X 1m X 0.1m)	1	m3
AD-071	33265	33370	105	8		Heavy formation grading	(No Gravel)	105	m
AD-072	33395	33610	215	8		Heavy formation grading	(No Gravel)	215	m
AD-073	33610	33830	220	8	0.05	Heavy formation grading	(50mm Gravel)	88	m3
AD-074	33840	33840				Replace guide posts or markers	(LHS - x1)	1	Each
AD-075	33860	34445	585	8		Heavy formation grading	(No Gravel)	585	m
AD-076	34495	34600	105	8		Heavy formation grading	(No Gravel)	105	m
AD-077	34495	34555	60	2	0.15	Bulk fill - imported	(LHS - 60m X 2m X 0.15m)	18	m3
AD-078	34495	34500	5	1	0.2	Bulk excavate - remove	(LHS - 5m X 1m X 0.2m)	1	m3

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
AD-079	34600	34895	295	8	0.05	Heavy formation grading	(50mm Gravel)	118	m3
AD-080	34895	35115	220	8		Heavy formation grading	(No Gravel)	220	m
AD-081	35115	35530	415	8	0.05	Heavy formation grading	(50mm Gravel)	166	m3
AD-082	35530	35665	135	8		Medium formation grading	(No Gravel)	135	m
AD-083	35665	35760	95	8	0.05	Heavy formation grading	(50mm Gravel)	38	m3
AD-084	35760	35855	95	8		Heavy formation grading	(No Gravel)	95	m
AD-085	35830	35830				Replace guide posts or markers	(LHS - x1)	1	Each
AD-086	35830	35830				Replace guide posts or markers	(RHS - x1)	1	Each
AD-087	35855	35855				Replace guide posts or markers	(LHS - x1)	1	Each
AD-088	35855	35855				Replace guide posts or markers	(RHS - x1)	1	Each
AD-089	35875	36865	990	8	0.05	Heavy formation grading	(50mm Gravel)	396	m3
AD-090	36885	37015	130	8		Heavy formation grading	(No Gravel)	130	m
AD-091	36910	36950	40	1	0.3	Bulk excavate - remove	(RHS - 40m X 1m X 0.3m)	12	m3
AD-092	36910	36930	20	1	0.5	Bulk excavate - remove	(LHS - 20m X 1m X 0.5m)	10	m3
AD-093	36930	37015	85	2	0.25	Bulk fill - imported	(RHS - 85m X 2m X 0.25m)	42.5	m3
AD-094	37015	37170	155	8	0.05	Heavy formation grading	(50mm Gravel)	62	m3
AD-095	37170	37350	180	8	0.075	Heavy formation grading	(75mm Gravel)	108	m3
AD-096	37195	37215	20	2	0.2	Bulk fill - imported	(RHS - 20m X 2m X 0.2m)	8	m3
AD-097	37350	38135	785	8	0.05	Heavy formation grading	(50mm Gravel)	314	m3
AD-098	38135	38520	385	8		Heavy formation grading	(No Gravel)	385	m
AD-099	38520	38770	250	8	0.05	Heavy formation grading	(50mm Gravel)	100	m3
AD-100	38770	38815	45	8		Heavy formation grading	(No Gravel)	45	m
AD-101	38815	39445	630	8	0.05	Heavy formation grading	(50mm Gravel)	252	m3
AD-102	39445	39825	380	8		Medium formation grading	(No Gravel)	380	m
AD-103	39825	40110	285	8	0.05	Heavy formation grading	(50mm Gravel)	114	m3
AD-104	40110	40510	400	8		Medium formation grading	(No Gravel)	400	m
AD-105	40510	40735	225	8	0.05	Heavy formation grading	(50mm Gravel)	90	m3
AD-106	40735	40940	205	8		Heavy formation grading	(No Gravel)	205	m
AD-107	40940	41150	210	8	0.05	Heavy formation grading	(50mm Gravel)	84	m3
AD-108	41150	41555	405	8		Medium formation grading	(No Gravel)	405	m
AD-109	41555	41845	290	8		Heavy formation grading	(No Gravel)	290	m
AD-110	41845	44240	2395	8	0.05	Heavy formation grading	(50mm Gravel)	958	m3
AD-111	44620	45120	500	8		Heavy formation grading	(No Gravel)	500	m
AD-112	45120	46070	950	8	0.05	Heavy formation grading	(50mm Gravel)	380	m3
AD-113	46070	46265	195	8		Heavy formation grading	(No Gravel)	195	m
AD-114	46265	46470	205	8		Medium formation grading	(No Gravel)	205	m
AD-115	46470	51515	5045	8	0.05	Heavy formation grading	(50mm Gravel)	2018	m3
AD-116	51520	52695	1175	8		Heavy formation grading	(No Gravel)	1175	m
PROVISIONAL IF ORDERED (AD-117 TO AD-193)									
AD-117	52695	57700	5005	8	0.05	Heavy formation grading	(50mm Gravel)	2002	m3
AD-118	57700	57860	160	8		Heavy formation grading	(No Gravel)	160	m
AD-119	57860	60150	2290	8	0.05	Heavy formation grading	(50mm Gravel)	916	m3
AD-120	60200	60720	520	8	0.075	Heavy formation grading	(75mm Gravel)	312	m3
AD-121	60550	60570	20	2	0.3	Bulk fill - imported	(RHS - 20m X 2m X 0.3m)	12	m3
AD-122	60750	62695	1945	8	0.05	Heavy formation grading	(50mm Gravel)	778	m3
AD-123	62695	62710	15	6	0.1	Bulk excavate - remove	(15m X 6m X 0.1m)	9	m3
AD-124	62710	64905	2195	8	0.05	Heavy formation grading	(50mm Gravel)	878	m3
AD-125	64890	64905	15	1.5	0.4	Bulk fill - imported	(LHS - 15m X 1.5m X 0.4m)	9	m3
AD-126	64960	64970	10	3	0.1	Bulk excavate - remove	(10m X 3m X 0.1m)	3	m3
AD-127	64980	64980				Replace guide posts or markers	(RHS - x1)	1	Each
AD-128	64980	64980				Replace guide posts or markers	(LHS - x1)	1	Each
AD-129	64990	65060	70	8		Heavy formation grading	(No Gravel)	70	m
AD-130	65455	65745	290	8	0.05	Heavy formation grading	(50mm Gravel)	116	m3
AD-131	65745	66040	295	8		Heavy formation grading	(No Gravel)	295	m
AD-132	66040	66105	65	8	0.05	Heavy formation grading	(50mm Gravel)	26	m3
AD-133	66195	66305	110	8		Heavy formation grading	(No Gravel)	110	m
AD-134	66610	66975	365	8	0.05	Heavy formation grading	(50mm Gravel)	146	m3
AD-135	66975	67180	205	8		Heavy formation grading	(No Gravel)	205	m
AD-136	67810	67855	45	8		Heavy formation grading	(No Gravel)	45	m
AD-137	67855	68040	185	8	0.05	Heavy formation grading	(50mm Gravel)	74	m3
AD-138	68475	68510	35	8	0.05	Heavy formation grading	(50mm Gravel)	14	m3
AD-139	69380	69590	210	8	0.05	Heavy formation grading	(50mm Gravel)	84	m3
AD-140	69590	69840	250	8		Heavy formation grading	(No Gravel)	250	m
AD-141	71410	71730	320	8	0.05	Heavy formation grading	(50mm Gravel)	128	m3
AD-142	71925	72310	385	8	0.05	Heavy formation grading	(50mm Gravel)	154	m3
AD-143	72310	72465	155	8		Heavy formation grading	(No Gravel)	155	m
AD-144	72465	72710	245	8	0.05	Heavy formation grading	(50mm Gravel)	98	m3
AD-145	72710	73950	1240	8		Heavy formation grading	(No Gravel)	1240	m
AD-146	73950	74010	60	8	0.05	Heavy formation grading	(50mm Gravel)	24	m3
AD-147	74690	74780	90	8	0.05	Heavy formation grading	(50mm Gravel)	36	m3
AD-148	74795	75295	500	8	0.05	Heavy formation grading	(50mm Gravel)	200	m3
AD-149	75655	75810	155	8		Medium formation grading	(No Gravel)	155	m
AD-150	75810	76245	435	8		Heavy formation grading	(No Gravel)	435	m
AD-151	76395	77235	840	8		Heavy formation grading	(No Gravel)	840	m
AD-152	77915	78045	130	8		Heavy formation grading	(No Gravel)	130	m
AD-153	79335	79465	130	8	0.05	Heavy formation grading	(50mm Gravel)	52	m3
AD-154	80890	81180	290	8	0.05	Heavy formation grading	(50mm Gravel)	116	m3
AD-155	84180	84340	160	8	0.05	Heavy formation grading	(50mm Gravel)	64	m3
AD-156	84995	85080	85	8		Medium formation grading	(No Gravel)	85	m
AD-157	85080	87350	2270	8		Heavy formation grading	(No Gravel)	2270	m
AD-158	87350	87640	290	8		Medium formation grading	(No Gravel)	290	m
AD-159	87640	87710	70	8		Heavy formation grading	(No Gravel)	70	m
AD-160	87710	87885	175	8		Medium formation grading	(No Gravel)	175	m
AD-161	87905	88265	360	8		Heavy formation grading	(No Gravel)	360	m
AD-162	88270	89345	1075	8	0.05	Heavy formation grading	(50mm Gravel)	430	m3
AD-163	89345	89750	405	8		Medium formation grading	(No Gravel)	405	m
AD-164	89750	90660	910	8	0.05	Heavy formation grading	(50mm Gravel)	364	m3
AD-165	90895	91505	610	8	0.05	Heavy formation grading	(50mm Gravel)	244	m3
AD-166	91730	91940	210	8	0.05	Heavy formation grading	(50mm Gravel)	84	m3
AD-167	92090	92335	245	8		Heavy formation grading	(No Gravel)	245	m

Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
AD-168	92335	92450	115	8		Medium formation grading	(No Gravel)	115	m
AD-169	92450	94350	1900	8	0.05	Heavy formation grading	(50mm Gravel)	760	m3
AD-170	94475	94580	105	8	0.05	Heavy formation grading	(50mm Gravel)	42	m3
AD-171	94580	95255	675	8		Heavy formation grading	(No Gravel)	675	m
AD-172	95240	95240				Replace guide posts or markers	(RHS - x1)	1	Each
AD-173	95255	95255				Replace guide posts or markers	(RHS - x1)	1	Each
AD-174	95255	95255				Replace guide posts or markers	(LHS - x1)	1	Each
AD-175	95280	95545	265	8		Heavy formation grading	(No Gravel)	265	m
AD-176	95545	96195	650	8	0.05	Heavy formation grading	(50mm Gravel)	260	m3
AD-177	96195	96225	30	8		Heavy formation grading	(No Gravel)	30	m
AD-178	96370	97770	1400	8		Heavy formation grading	(No Gravel)	1400	m
AD-179	97835	97855	20	4	0.1	Bulk excavate - remove	(20m X 4m X 0.1m)	8	m3
AD-180	97925	98370	445	8		Heavy formation grading	(No Gravel)	445	m
AD-181	98425	98510	85	8		Heavy formation grading	(No Gravel)	85	m
AD-182	98710	99135	425	8	0.05	Heavy formation grading	(50mm Gravel)	170	m3
AD-183	99135	99225	90	8		Heavy formation grading	(No Gravel)	90	m
AD-184	99225	99380	155	8	0.05	Heavy formation grading	(50mm Gravel)	62	m3
AD-185	99380	99470	90	8		Heavy formation grading	(No Gravel)	90	m
AD-186	99470	100055	585	8	0.05	Heavy formation grading	(50mm Gravel)	234	m3
AD-187	100055	100210	155	8		Heavy formation grading	(No Gravel)	155	m
AD-188	100435	101430	995	8	0.05	Heavy formation grading	(50mm Gravel)	398	m3
AD-189	101480	101555	75	8	0.05	Heavy formation grading	(50mm Gravel)	30	m3
AD-190	101560	101920	360	8		Heavy formation grading	(No Gravel)	360	m
AD-191	101920	102100	180	8	0.05	Heavy formation grading	(50mm Gravel)	72	m3
AD-192	102460	103675	1215	8	0.05	Heavy formation grading	(50mm Gravel)	486	m3
AD-193	104020	104230	210	8	0.05	Heavy formation grading	(50mm Gravel)	84	m3

Chainage 0 starts at Gulf Developmental Road (92C) (Approx. Chainage 1200).

4. CONSTRUCTION SKETCH



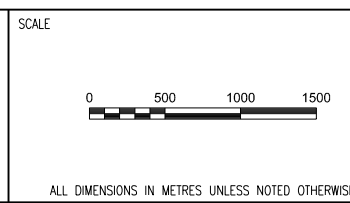
- LEGEND**
- STATE CONTROLLED ROAD
 - PROPERTY BOUNDARY
 - WATERCOURSE
 - ROAD CENTERLINE
 - BULK FILL
 - BULK EXCAVATE
 - HEAVY FORMATION GRADING
 - MEDIUM FORMATION GRADING
 - MISCELLANEOUS SCOPE

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

FOR INFORMATION ONLY

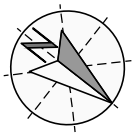
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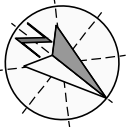
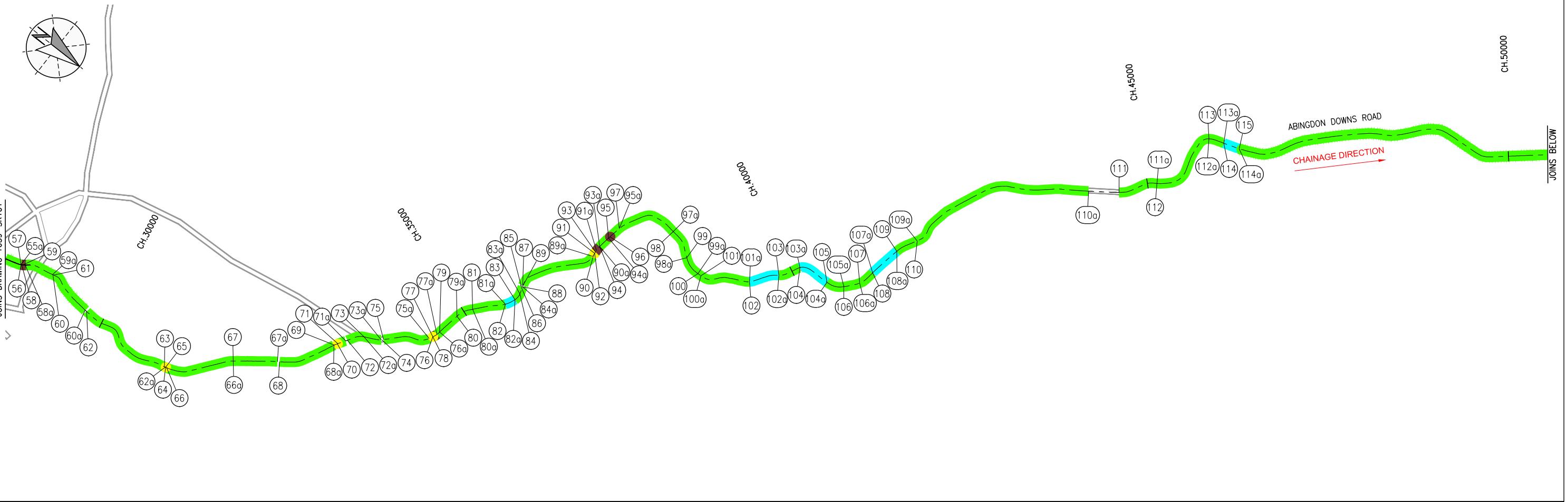


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DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPEQ:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE		
DRAWING REF	ABINGDON DOWNS ROAD (ASSET #1039) (SHEET 1 OF 3)		
DRAWING NO	162-001-1039-SK101	SIZE	A1
REVISION			1



JOINS DRAWING 1039-SK101



JOINS DRAWING 1039-SK103

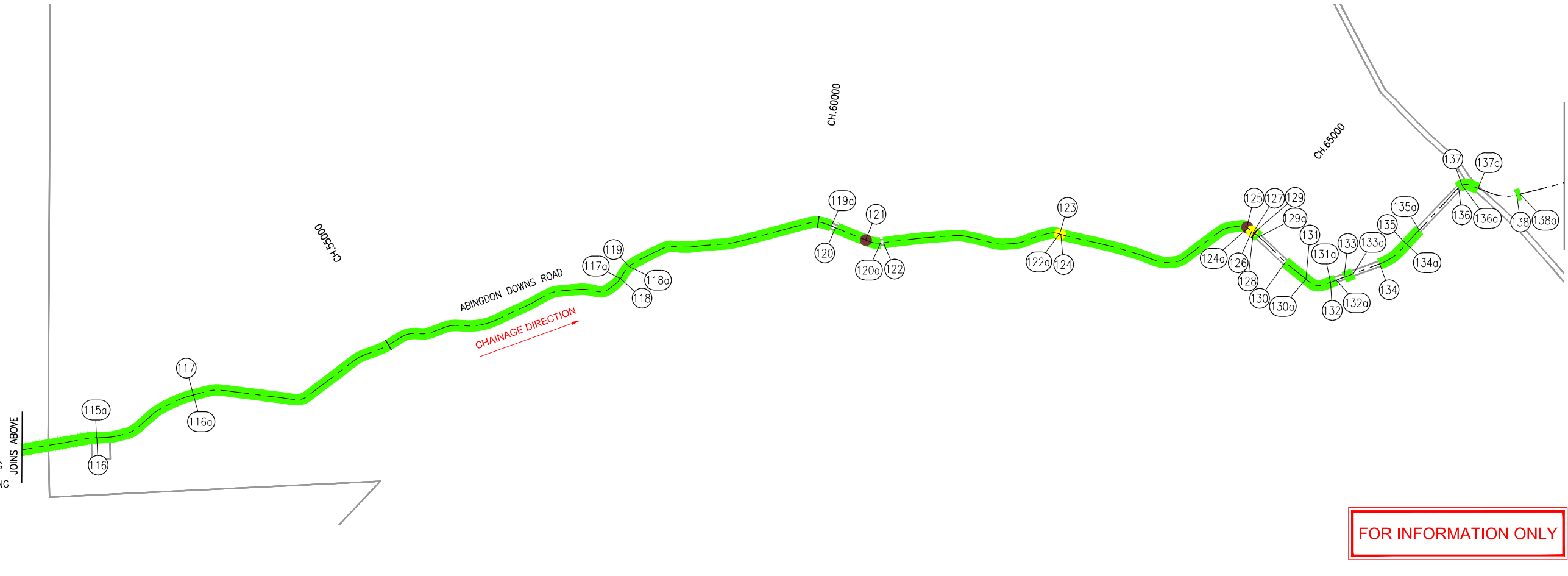
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LEGEND

- PROPERTY BOUNDARY
- ROAD CENTERLINE
- BULK FILL
- BULK EXCAVATE
- HEAVY FORMATION GRADING
- MEDIUM FORMATION GRADING
- MISCELLANEOUS SCOPE

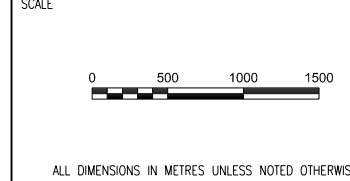
NOTE
 REFER 2025 APPROVED SCOPE FORM 4
 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY



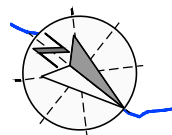
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1	09/03/26	FOR INFORMATION		



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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 ABINGDON DOWNS ROAD (ASSET #1039) (SHEET 2 OF 3)	
DRAWING NO 162-001-1039-SK102	SIZE A1
	REVISION 1



ETHERIDGE RIVER

CH:70000

CH:75000

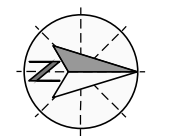
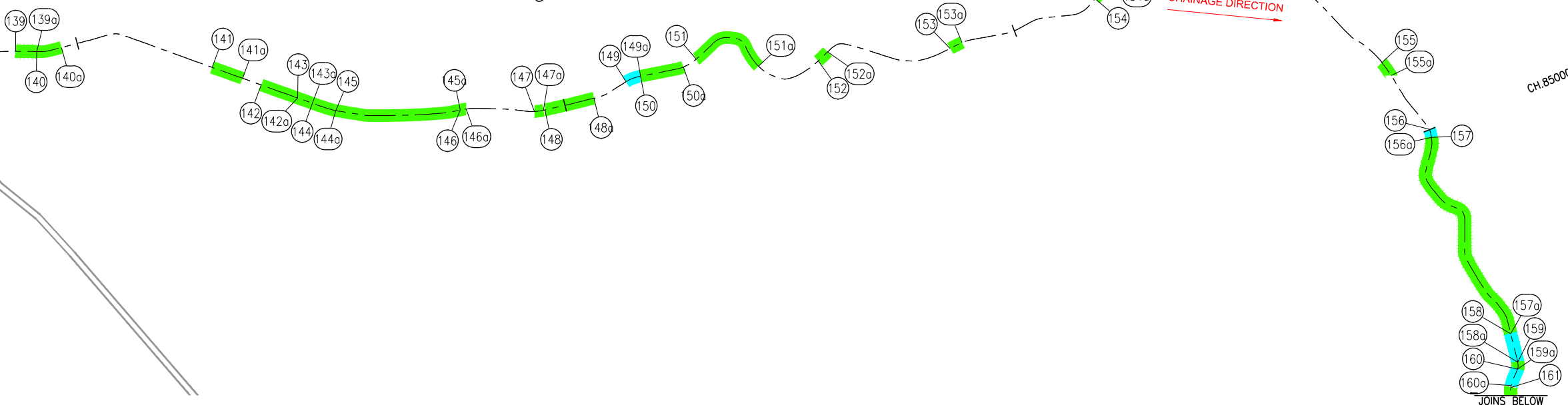
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ABINGDON DOWNS ROAD

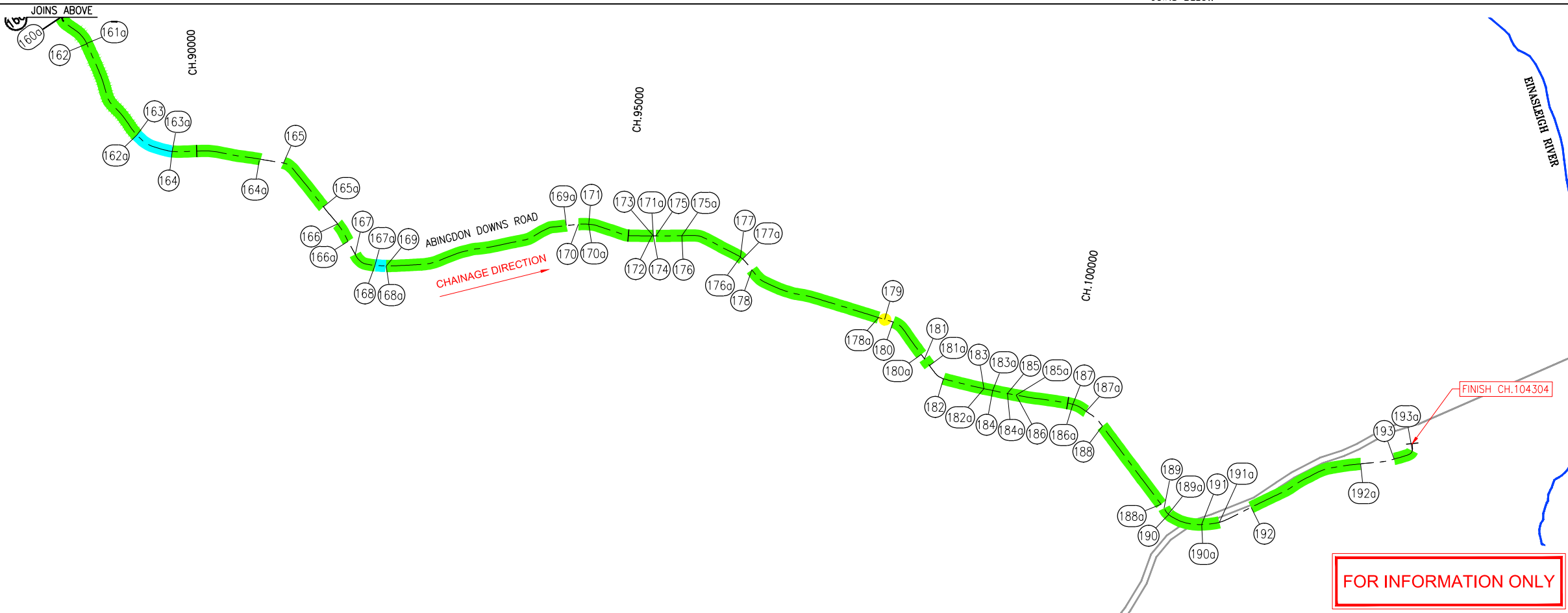
CHAINAGE DIRECTION

CH:85000

JOINS DRAWING 1039-SK102



ETHERIDGE RIVER

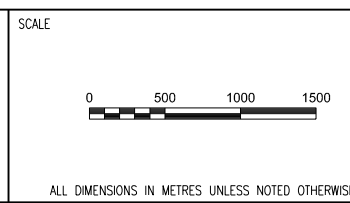


- LEGEND**
- PROPERTY BOUNDARY
 - WATERCOURSE
 - ROAD CENTERLINE
 - BULK EXCAVATE
 - HEAVY FORMATION GRADING
 - MEDIUM FORMATION GRADING
 - MISCELLANEOUS SCOPE

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

PLOT DATE: 20/04/2026 3:29:19 PM
FILE LOCATION: D:\Northlane Pty Ltd Dropbox\162 Etheridge SK103\Drawings\1. Scope Drawings\162-001-1039-SK103-Abingdon Downs Road.dwg

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	09/03/26	FOR INFORMATION		



DRAWN	TB	DESIGNED
DRAWN APPROVED		DESIGN APPROVED
CIVIL SIGNOFF APPROVAL		
DATE:		RPE:

PROJECT REF	ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE		
DRAWING REF	ABINGDON DOWNS ROAD (ASSET #1039) (SHEET 3 OF 3)		
DRAWING NO	162-001-1039-SK103	SIZE	A1
REVISION			1

Attachment 5 – Ironhurst Road – Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
IRONHURST ROAD**

**ASSET NO.
1041**

**QRA SUBMISSION REF NO.
ESC.0059.2425T.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)
Heavy Formation Grading (No Gravel)	125	m	N/A
Heavy Formation Grading (50mm Gravel)	129	m ³	129
Bulk Excavate - Remove	9	m ³	N/A
		TOTAL	129

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.0059.2425T.REC - RESTORATION
IRONHURST ROAD (ASSET #1041)



Note:

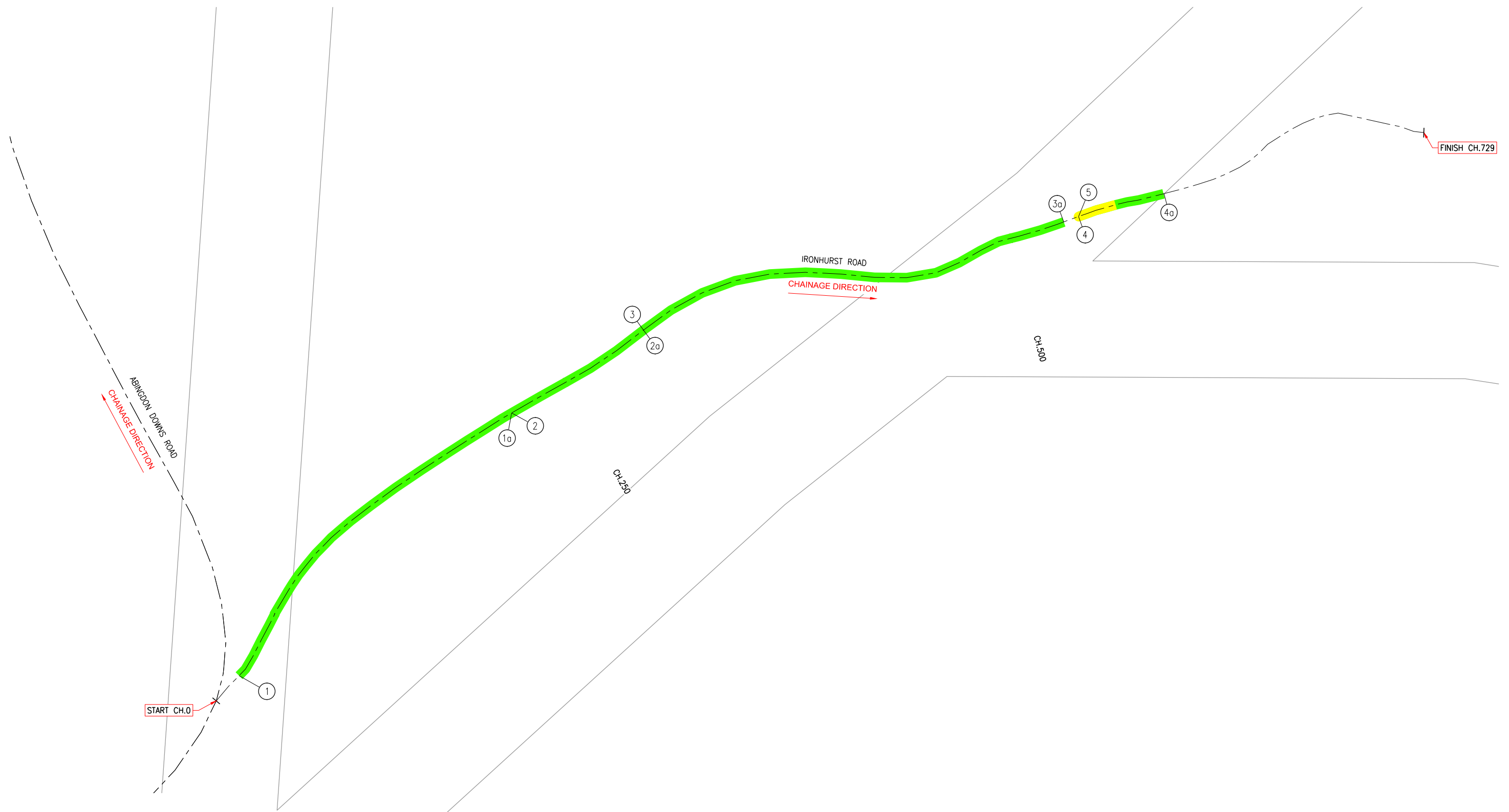
- 1) "Damage Length", "Damage Width" & "Damage Depth" are the required dimensions of the scope of work to be completed for each line item.
- 2) Gravel quantities are for the dimensions of the completed works only and do not allow for batters, wastage, tapers or tie-ins. A greater quantity of gravel is 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
IHR-001	17	217	200	6	0.05	Heavy formation grading	(50mm Gravel)	60	m3
IHR-002	217	297	80	6		Heavy formation grading	(No Gravel)	80	m
IHR-003	297	527	230	6	0.05	Heavy formation grading	(50mm Gravel)	69	m3
IHR-004	535	580	45	6		Heavy formation grading	(No Gravel)	45	m
IHR-005	535	555	20	1.5	0.3	Bulk excavate - remove	(RHS - 20m X 1.5m X 0.3m)	9	m3

Chainage 0 starts at Abingdon Downs (Approx. Chainage 27282)

4. CONSTRUCTION SKETCH

PLOT DATE: 27/04/2026 9:16:45 AM
 FILE LOCATION: D:\Northlane Pty Ltd Dropbox\162-001-1041-SK101-Ironhurst Road.dwg



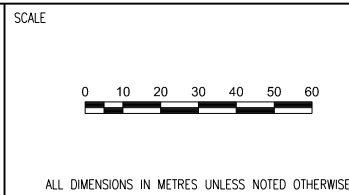
LEGEND

	PROPERTY BOUNDARY
	ROAD CENTERLINE
	BULK EXCAVATE
	HEAVY FORMATION GRADING

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

FOR INFORMATION ONLY

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	08/04/26	FOR INFORMATION		



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

PROJECT REF		ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE	
DRAWING REF		IRONHURST ROAD (ASSET #1041)	
DRAWING NO	162-001-1041-SK101	SIZE	A1
REVISION	1		

Attachment 6 – Lanes Creek Road – Construction Document



**ETHERIDGE SHIRE COUNCIL
DRFA 2025 RESTORATION WORKS**

**DESCRIPTION OF JOB
LANES CREEK ROAD**

**ASSET NO.
1043**

**QRA SUBMISSION REF NO.
ESC.0059.2425T.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)	220	m	N/A
Heavy Formation Grading (No Gravel)	1,230	m	N/A
Heavy Formation Grading (50mm Gravel)	471	m ³	471
		TOTAL	471

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.0059.2425T.REC - RESTORATION
LANES CREEK ROAD (ASSET #1043)



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.

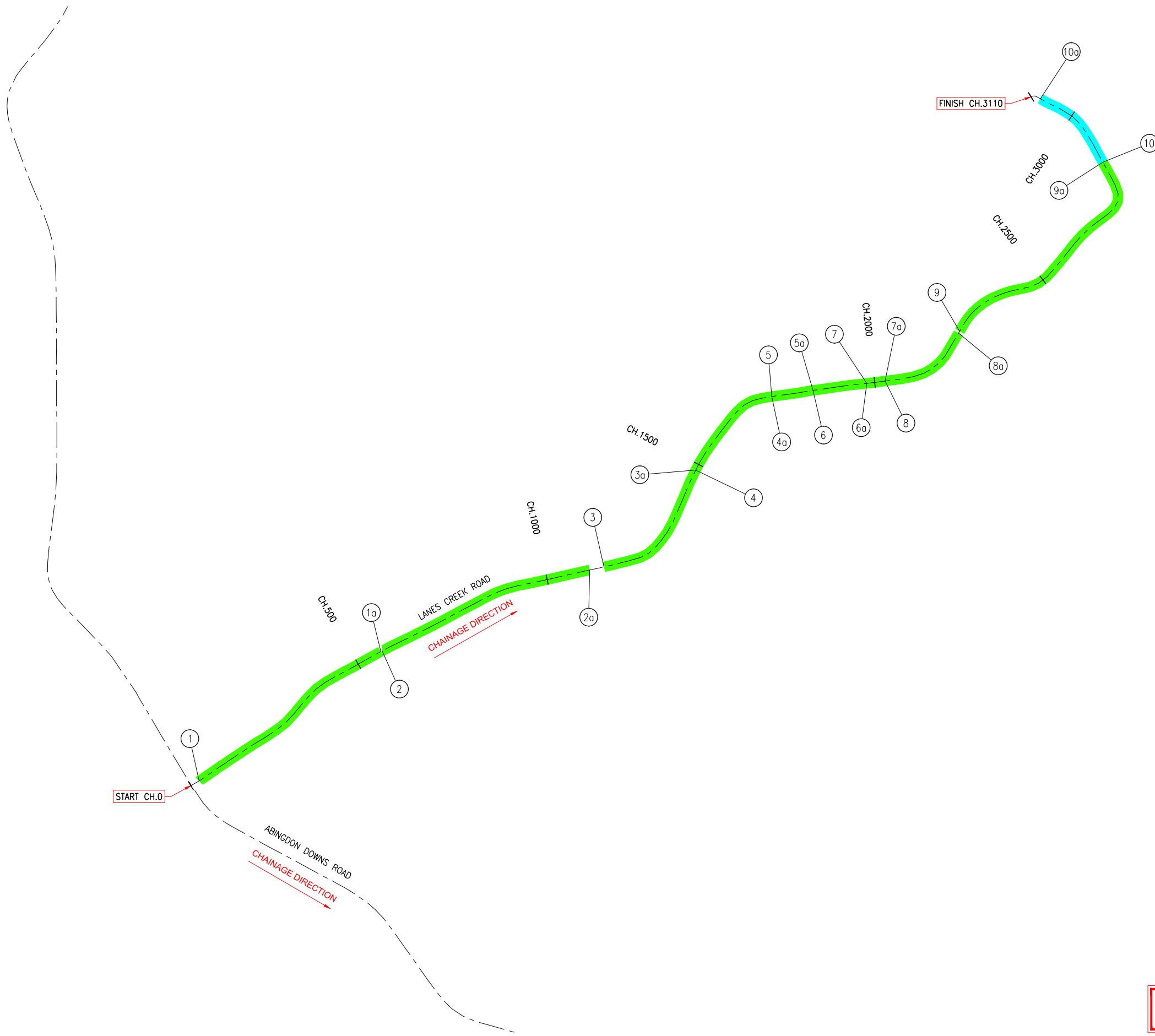
Line No.	Start CH. (m)	Finish CH. (m)	Damage Length (m)	Damage Width (m)	Damage Depth (m)	Treatment Type	Additional Description	Quantity	Unit
LCR-001	22	562	540	6	0.05	Heavy formation grading	(50mm Gravel)	162	m3
LCR-002	565	1105	540	6	0.05	Heavy formation grading	(50mm Gravel)	162	m3
LCR-003	1140	1485	345	6	0.05	Heavy formation grading	(50mm Gravel)	103.5	m3
LCR-004	1485	1750	265	6		Heavy formation grading	(No Gravel)	265	m
LCR-005	1750	1850	100	6	0.05	Heavy formation grading	(50mm Gravel)	30	m3
LCR-006	1850	1980	130	6		Heavy formation grading	(No Gravel)	130	m
LCR-007	1980	2025	45	6	0.05	Heavy formation grading	(50mm Gravel)	13.5	m3
LCR-008	2025	2250	225	6		Heavy formation grading	(No Gravel)	225	m
LCR-009	2255	2865	610	6		Heavy formation grading	(No Gravel)	610	m
LCR-010	2865	3085	220	6		Medium formation grading	(No Gravel)	220	m

Chainage 0 starts at Abingdon Downs Road (Approx. Chainage 16055).

4. CONSTRUCTION SKETCH



PLOT DATE: 24/04/2026 9:30:40 AM
FILE LOCATION: X:\162 Etheridge\SCO001\ORA 2025\Drawings\1_Scope Drawings\162-001-1043-SK101-Lanes Creek Road.dwg



LEGEND

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

NOTE

REFER 2025 APPROVED SCOPE FORM 4 FOR ADDITIONAL TREATMENT DETAILS.

FOR INFORMATION ONLY

NO.	DATE	DESCRIPTION	DESIGN	APPROVED
1	21/04/26	FOR INFORMATION	/	/



SCALE

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

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

PROJECT REF ETHERIDGE SHIRE COUNCIL 2025 DRFA RESTORATION WORKS SCOPE			
DRAWING REF LANES CREEK ROAD (ASSET #1043)			
DRAWING NO 162-001-1043-SK101		SIZE A1	REVISION 1