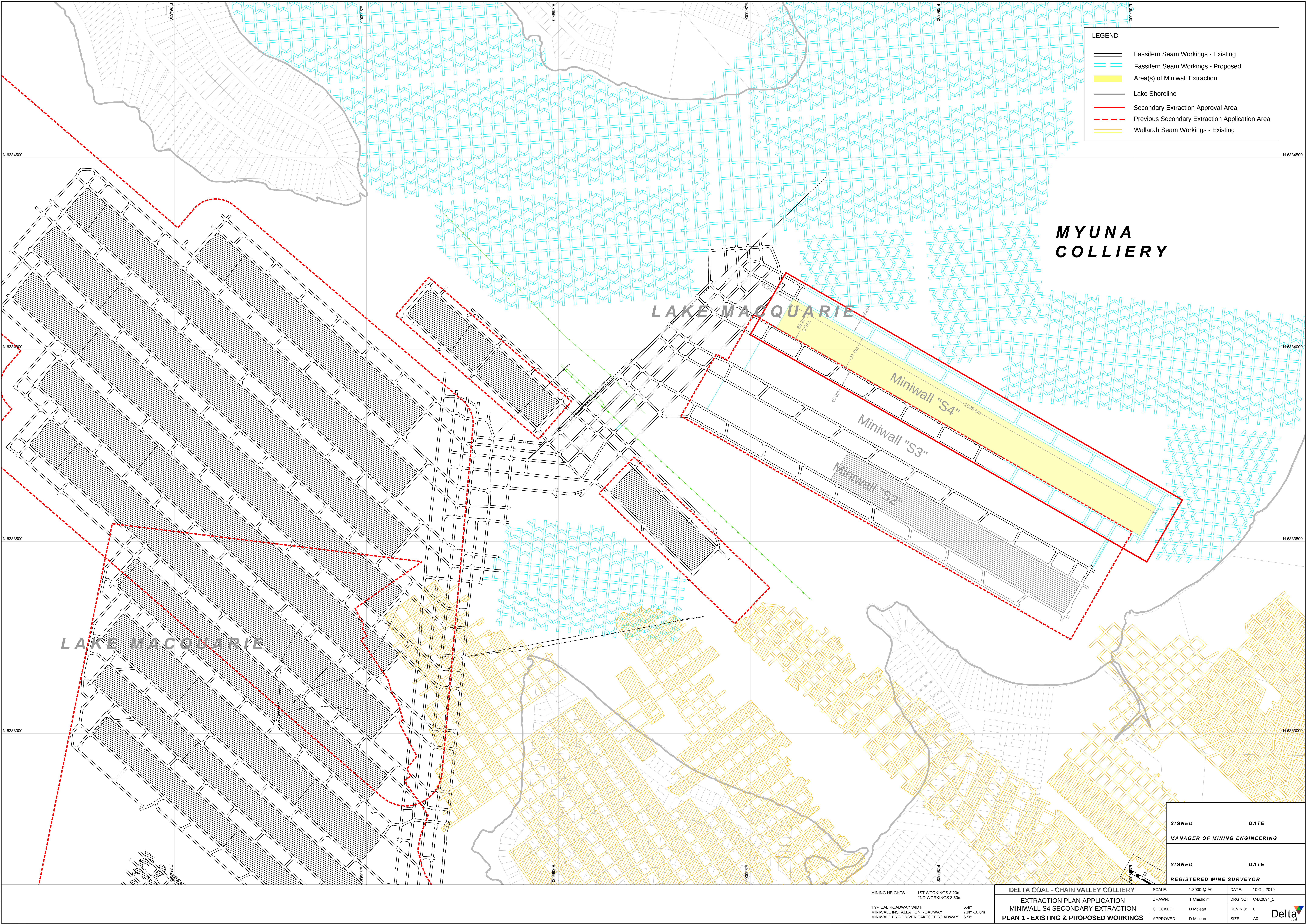
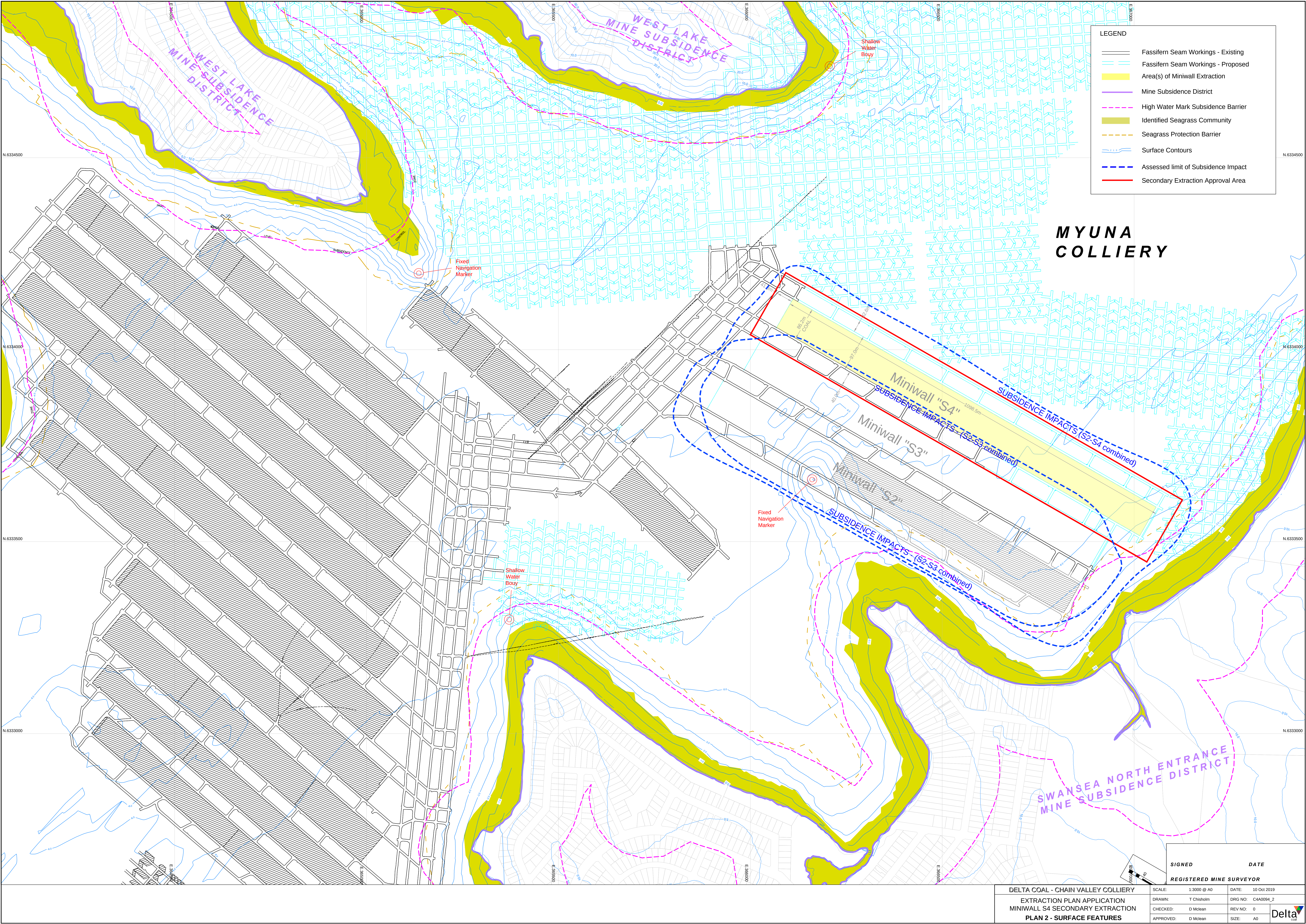


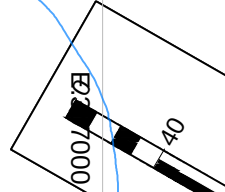




LEGEND

- Fassifern Seam Workings - Existing
- Fassifern Seam Workings - Proposed
- Area(s) of Miniwall Extraction
- Mine Subsidence District
- High Water Mark Subsidence Barrier
- Identified Seagrass Community
- Seagrass Protection Barrier
- Surface Contours
- Assessed limit of Subsidence Impact
- Secondary Extraction Approval Area

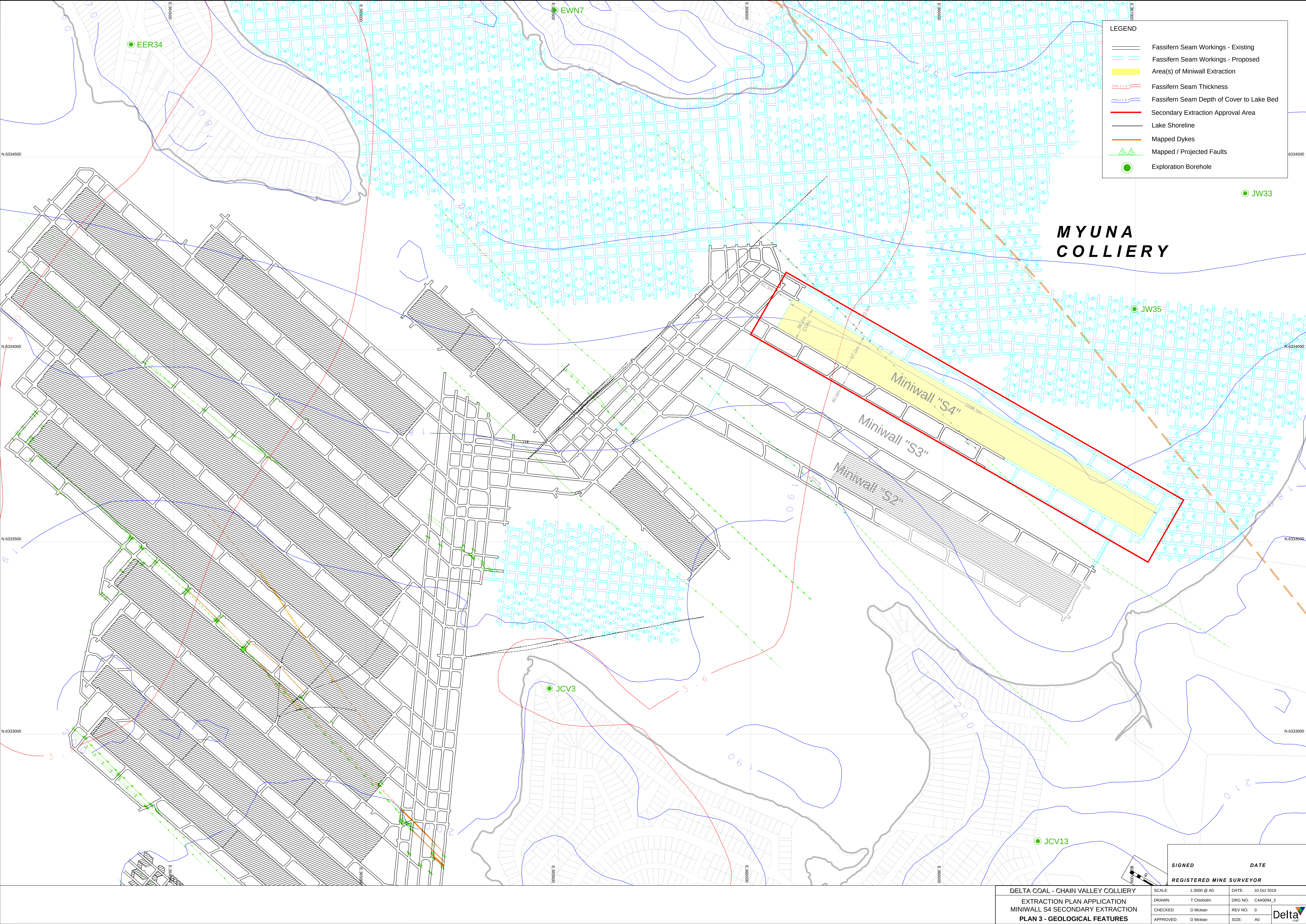
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COLLIERY**

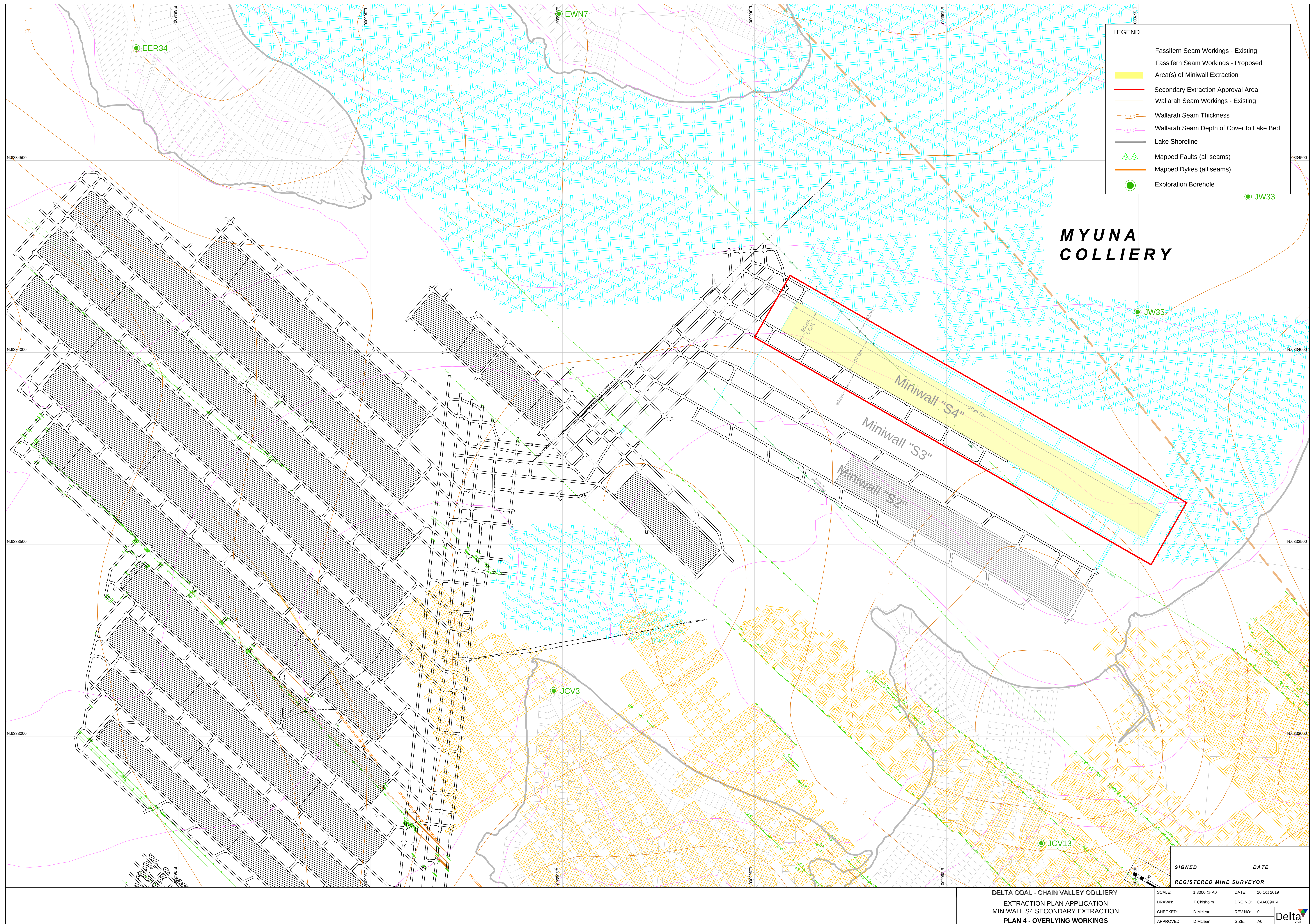


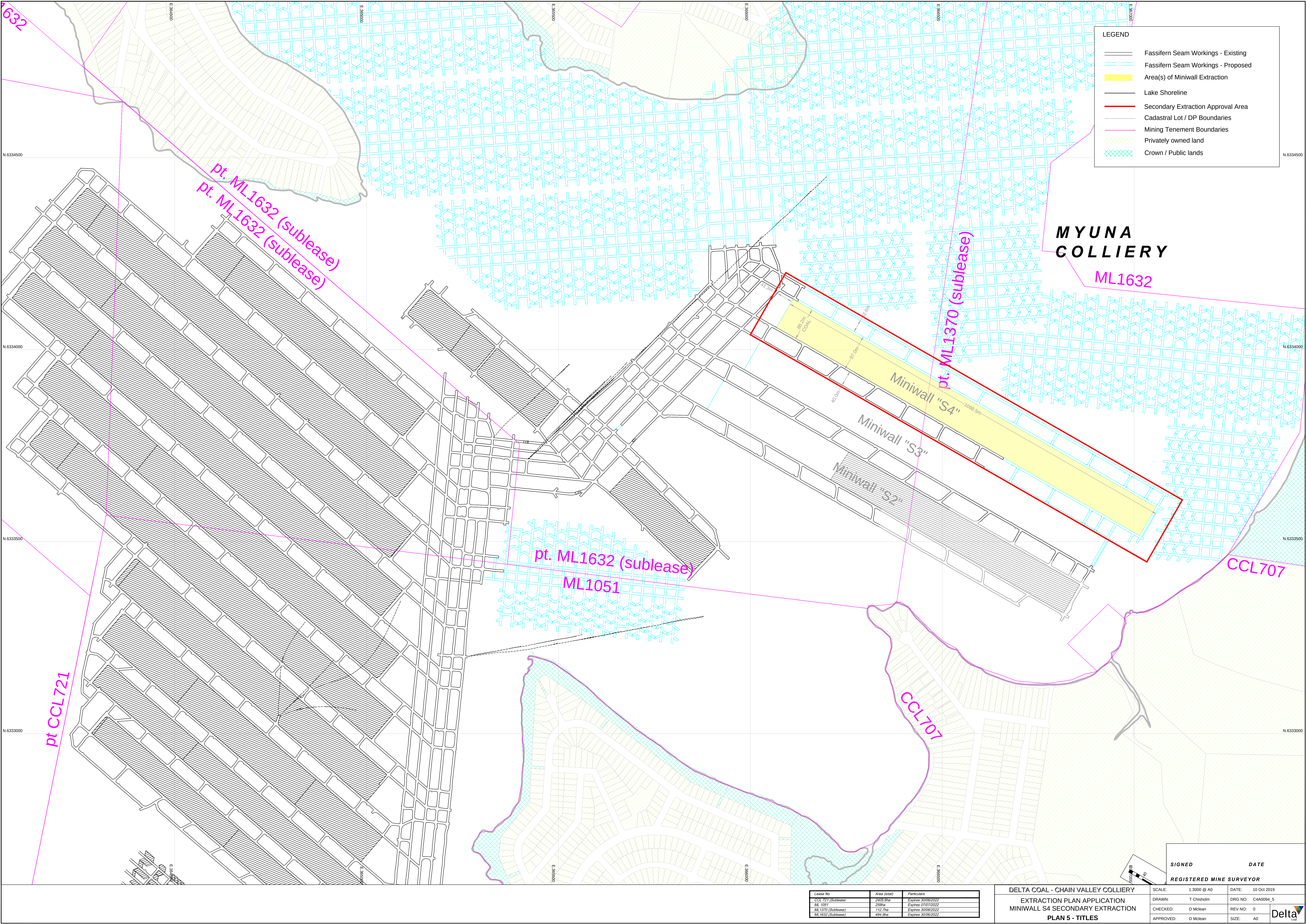
SIGNED	DATE
REGISTERED MINE SURVEYOR	

DELTA COAL - CHAIN VALLEY COLLIERY	SCALE: 1:3000 @ A0	DATE: 10 Oct 2019
EXTRACTION PLAN APPLICATION	DRAWN: T Chisholm	DRG NO: C4A0094_2
MINIWALL S4 SECONDARY EXTRACTION	CHECKED: D Mclean	REV NO: 0
PLAN 2 - SURFACE FEATURES	APPROVED: D Mclean	SIZE: A0









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VPT

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CHU

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FAW
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UPM
UPB

ULP
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Legend

Lithology Reference

	SOIL		GRAVEL
	SANDSTONE		Pebble Conglomerate
	CLAYSTONE		NO RECOVERY
	CONGLOMERATE		SIDERITE
	SILTSTONE		AIR
	COAL Stony		WATER
	COAL		ALLUVIUM
	MUDSTONE		SILT
	CORE-LOSS / NOT RECOVERED		COAL Heat altered
	SHALE		Rock Mass Boundary
	COAL Shaly		CLAY
	CARB. SHALE		COAL Smutty
	CALCITE		NON - CORED
	CHERT		COAL Weathered
	IGNEOUS		COAL Undifferentiated
	COAL Cindered		COAL Shaly
	SAND		Siltshale

Seam Legend

Seam Expansion Reference

VPT	- Vales Point
WAT	- Wallarah - tops
WAW	- Wallarah - working secti
WAB	- Wallarah - bottoms
LWA	- Wallarah Lower / Toukley
TBC	- Great Northern - conglom
GNN	- Great Northern - non-con
GNS	- Great Northern - Split
GNC	- Claystone
GNT	- Great Northern - Tops
GNW	- Great Northern - Working
GNB	- Great Northern - Bottoms
AWT	- Awaba Tuff
CHU	- Chain Valley Upper
CHL	- Chain Valley Lower
FAT	- Fassifern - Tops
A	- Fassifern - A ply
B	- Fassifern - B ply Clayst
FAW	- Fassifern - Working Sect
FAB	- Fassifern - Bottoms
UPU	- Upper Pilot Upper
UPM	- Upper Pilot Middle
UPB	- Upper Pilot Lower
ULP	- Lower Pilot Upper
LLP	- Lower Pilot Lower

DELTA COAL - CHAIN VALLEY COLLIERY

EXTRACTION PLAN APPLICATION
MINIWALL S4 SECONDARY EXTRACTION
PLAN 6 - GEOLOGICAL INFORMATION

SCALE: 1:3000 @ A0

DRAWN: T Chisholm

CHECKED: D Mclean

APPROVED: D Mclean

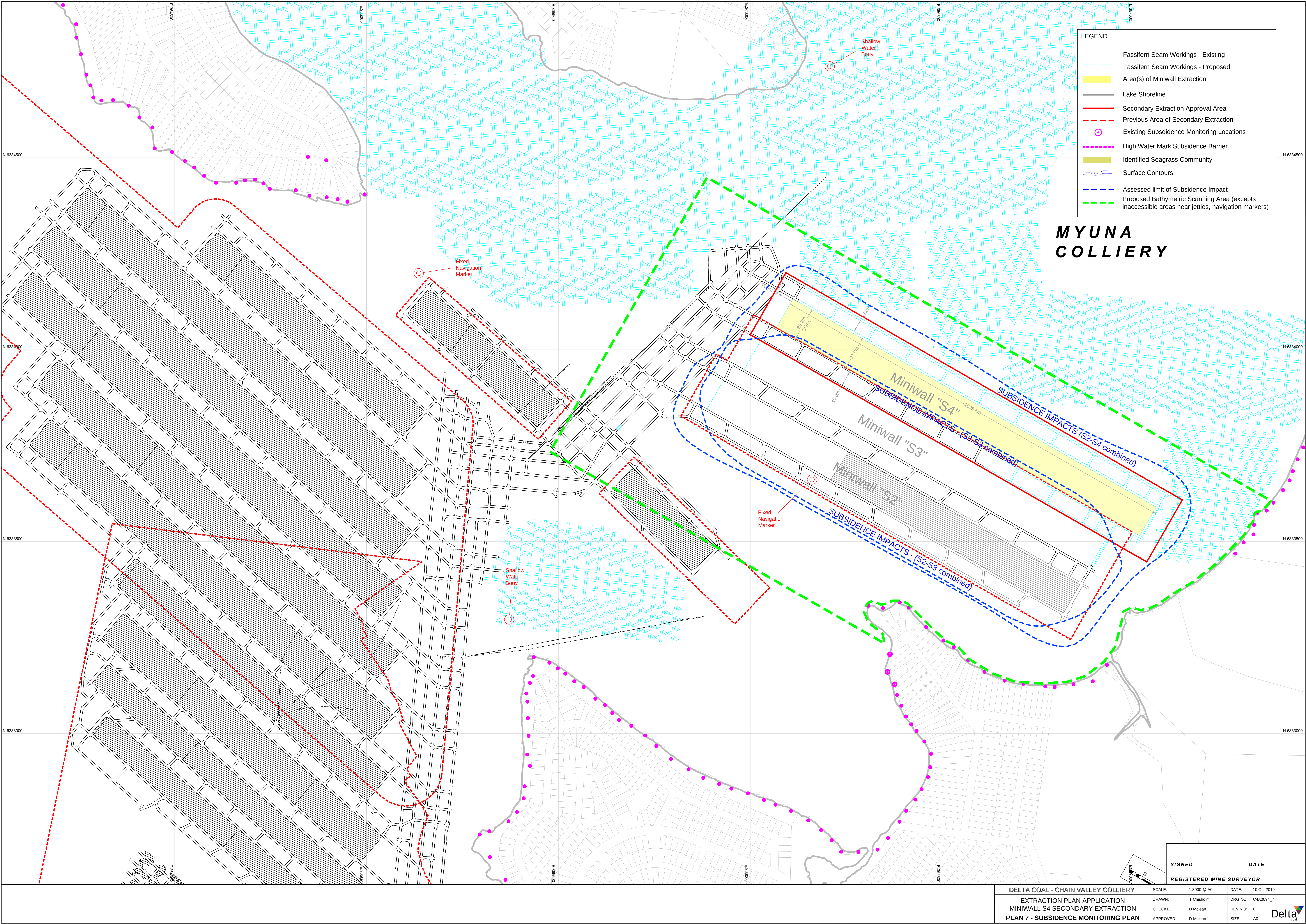
DATE: 10 Oct 2019

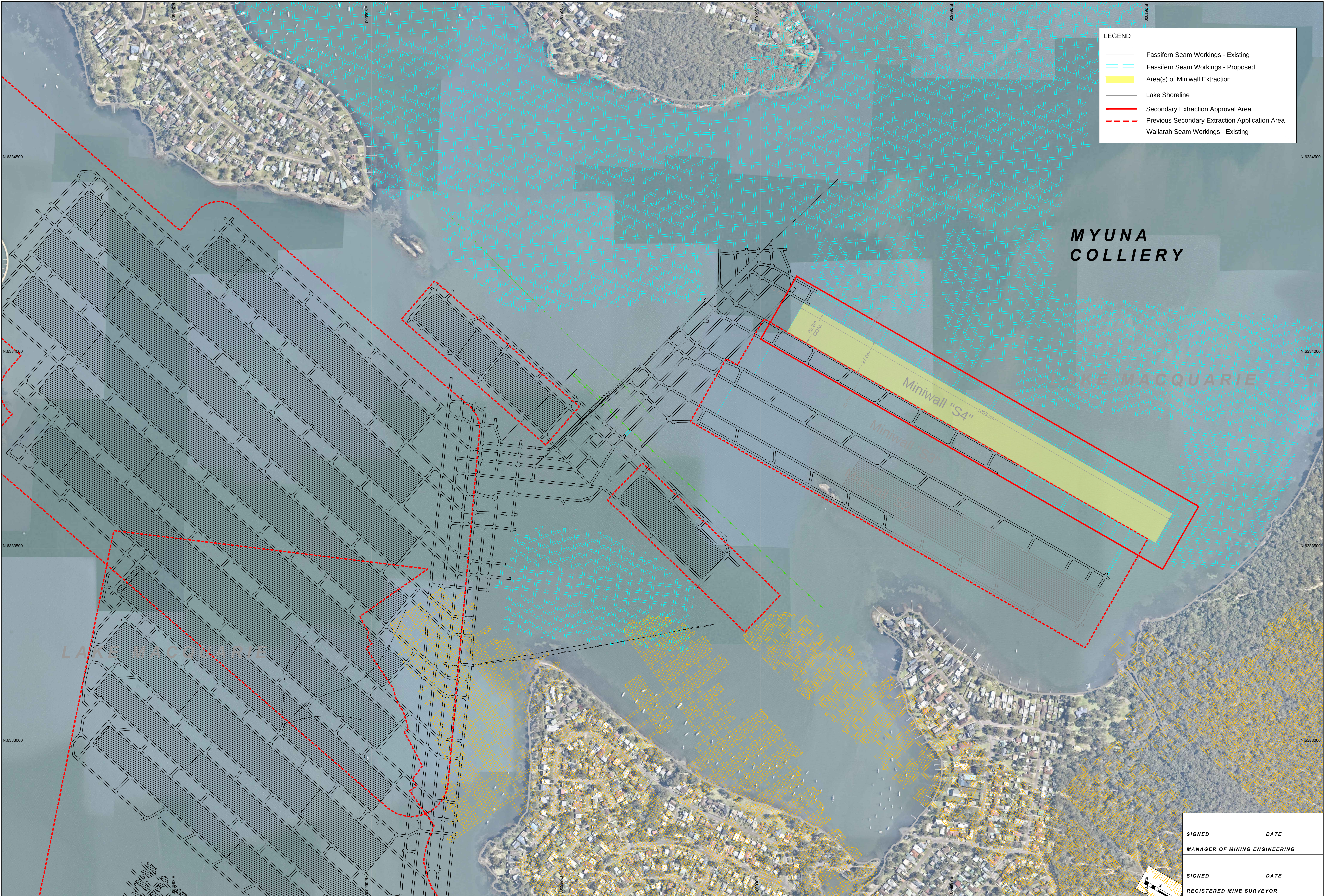
DRG NO: C4A0094_6

REV NO: 0

SIZE: A0







LEGEND

- Fassifern Seam Workings - Existing
- Fassifern Seam Workings - Proposed
- Area(s) of Miniwall Extraction
- Lake Shoreline
- Secondary Extraction Approval Area
- Previous Secondary Extraction Application Area
- Wallarrah Seam Workings - Existing

SIGNED	DATE
MANAGER OF MINING ENGINEERING	
SIGNED	DATE
REGISTERED MINE SURVEYOR	

MINING HEIGHTS - 1ST WORKINGS 3.20m
2ND WORKINGS 3.50m

TYPICAL ROADWAY WIDTH 5.4m
MINIWALL INSTALLATION ROADWAY 7.9m-10.0m
MINIWALL PRE-DRIVEN TAKEOFF ROADWAY 6.5m

DELTA COAL - CHAIN VALLEY COLLIERY
EXTRACTION PLAN APPLICATION
MINIWALL S4 SECONDARY EXTRACTION
PLAN 8 - EXTRACTION AREA PLAN

SCALE: 1:3000 @ A0	DATE: 10 Oct 2019
DRAWN: T Chisholm	DRG NO: C4A0094_8
CHECKED: D Mclean	REV NO: 0
APPROVED: D Mclean	SIZE: A0

