



STAGING AND ACTIVE AREAS ARE INDICATIVE ONLY.

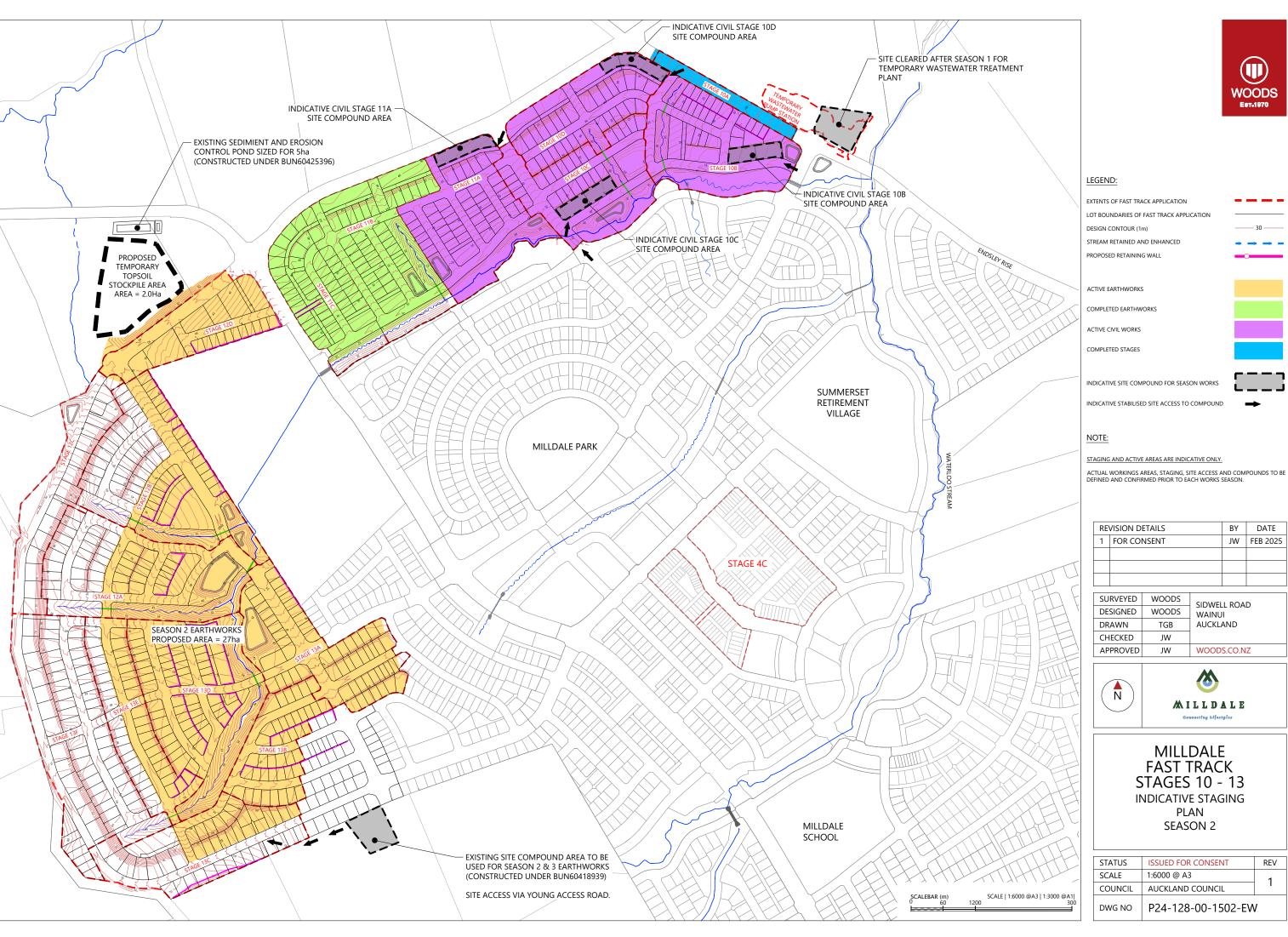
ACTUAL WORKINGS AREAS, STAGING, SITE ACCESS AND COMPOUNDS TO BE DEFINED AND CONFIRMED PRIOR TO EACH WORKS SEASON.

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WOODS	SIDWELL BOAD	Ę
WOODS	WAINUI	-1500-
TGB	AUCKLAND	28-00-
JW		1-4-1
JW	WOODS.CO.NZ	NG/P
	WOODS TGB JW	WOODS SIDWELL ROAD WAINUI AUCKLAND JW



STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	1
DWG NO	P24-128-00-1501-EW	,





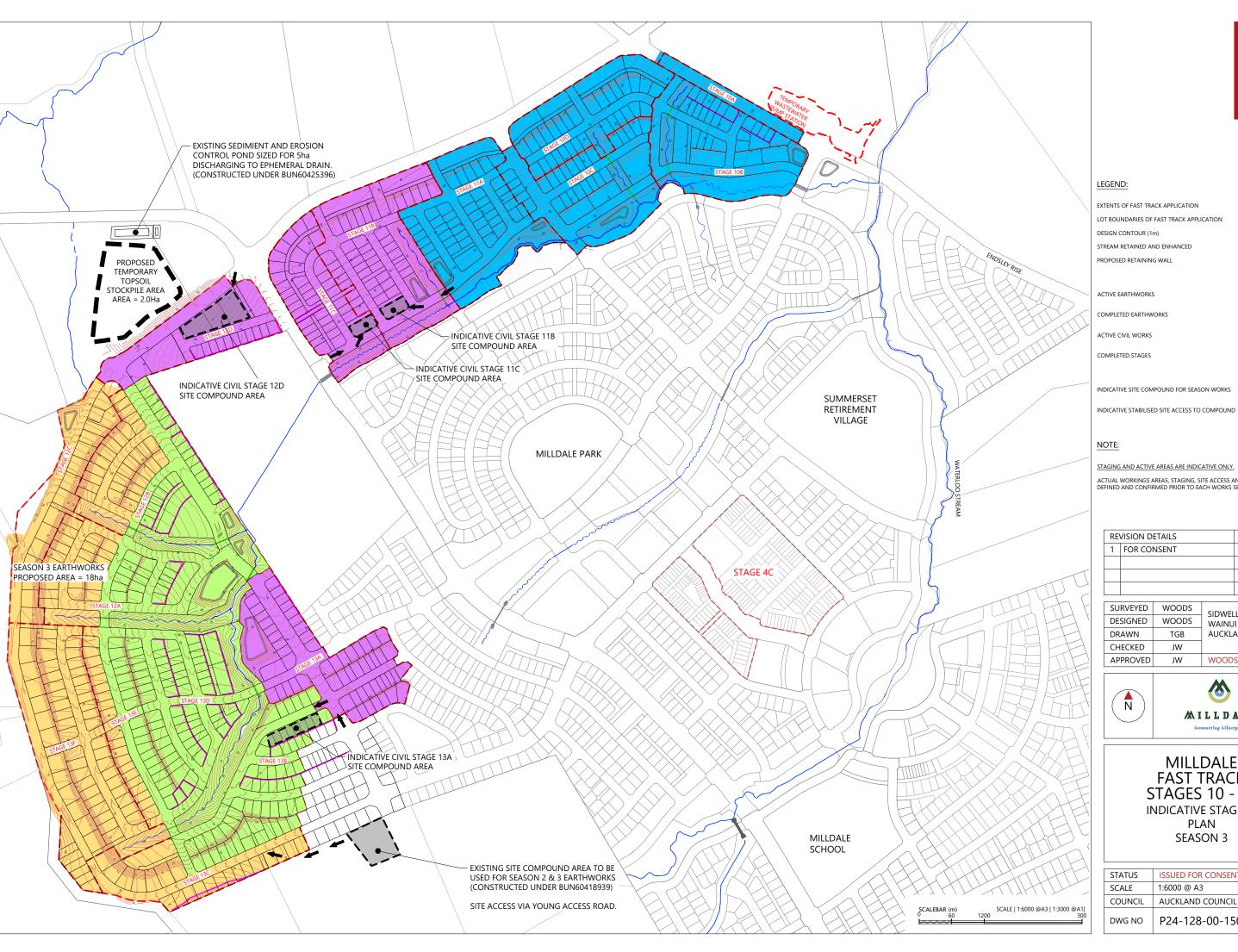
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SURVEYED	WOODS	SIDWELL ROAD
DESIGNED	WOODS	WAINUI
DRAWN	TGB	AUCKLAND
CHECKED	JW	
APPROVED	JW	WOODS.CO.NZ



FAST TRACK STAGES 10 - 13 **INDICATIVE STAGING**

STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	1
DWG NO	P24-128-00-1502-EW	





LOT BOUNDARIES OF FAST TRACK APPLICATION

STAGING AND ACTIVE AREAS ARE INDICATIVE ONLY.

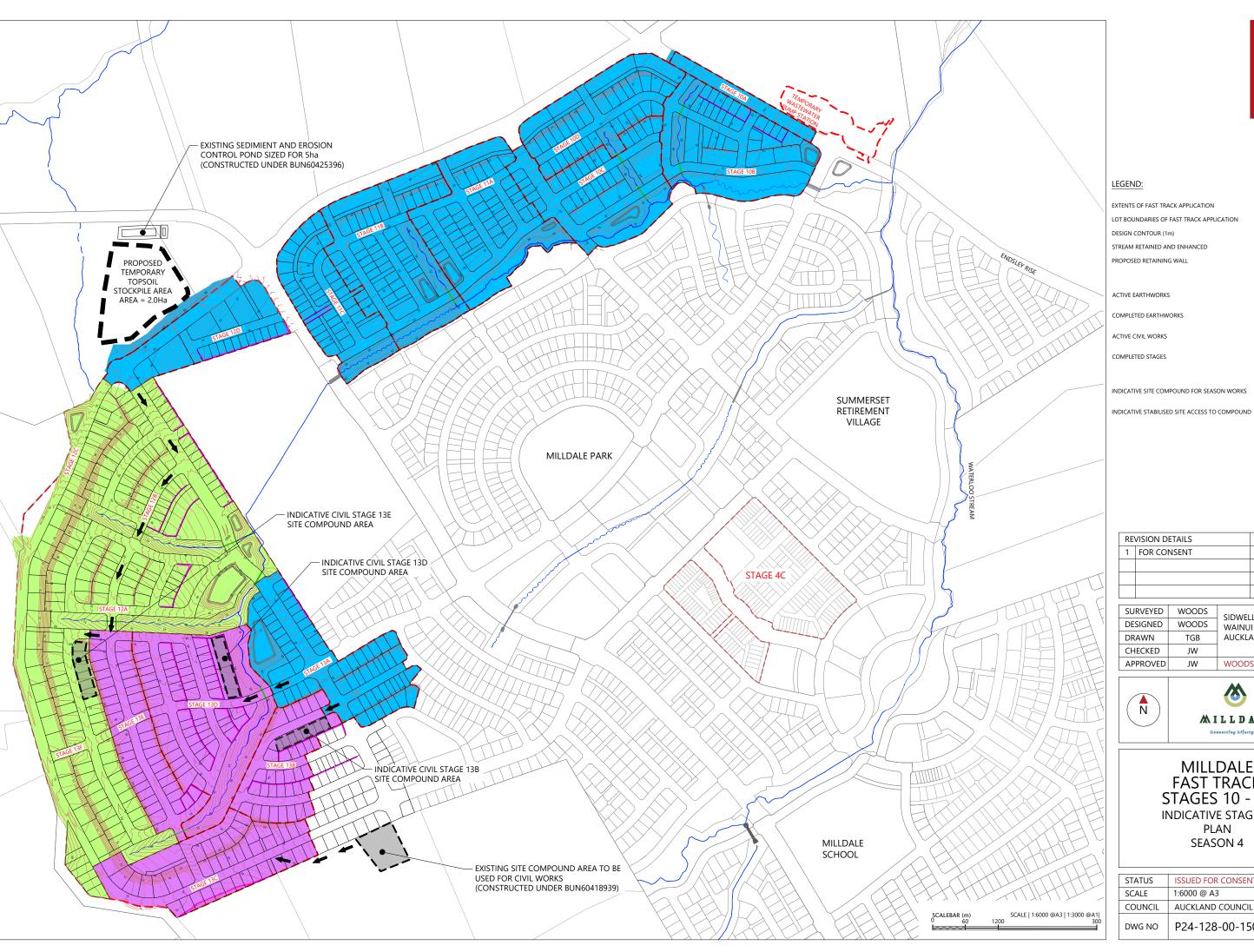
ACTUAL WORKINGS AREAS, STAGING, SITE ACCESS AND COMPOUNDS TO BE DEFINED AND CONFIRMED PRIOR TO EACH WORKS SEASON.

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DESIGNED	WOODS	SIDWELL ROAD WAINUI	-1500-1
DRAWN	TGB	AUCKLAND	28-00-
CHECKED	JW		· ·
APPROVED	JW	WOODS.CO.NZ	FNG/P24-



STATUS	ISSUED FOR CONSENT	REV
SCALE	1:6000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	l I
DWG NO	P24-128-00-1503-EW	







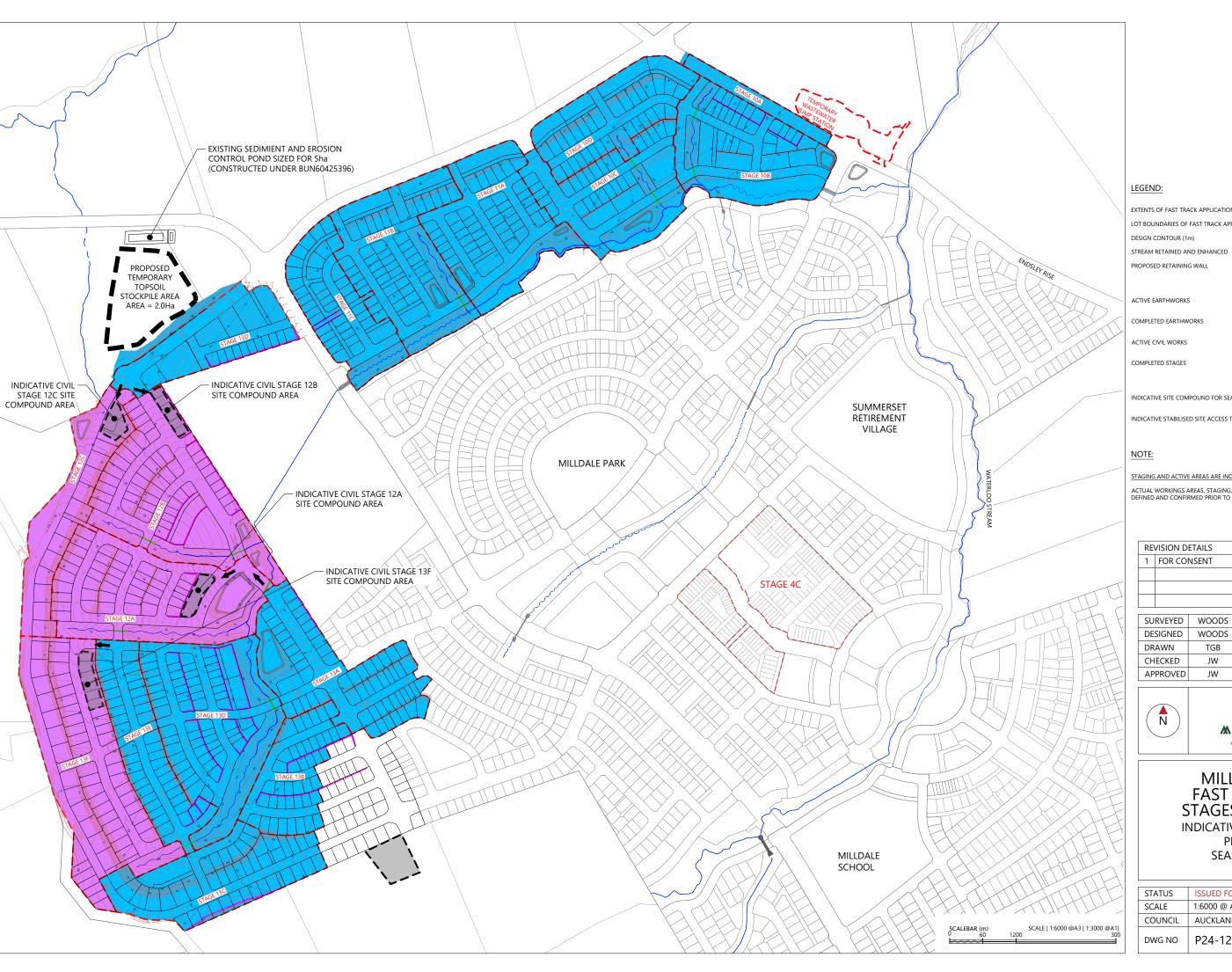
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SURVEYED	WOODS	SIDWELL ROAD	l
DESIGNED	WOODS	WAINUI	l
DRAWN	TGB	AUCKLAND	l
CHECKED	JW		
APPROVED	JW	WOODS.CO.NZ	





STATUS	ISSUED FOR CONSENT	REV	/P-Ak
SCALE	1:6000 @ A3	1	DATANWP
COUNCIL	AUCKLAND COUNCIL	1	DS/DA
DWG NO	P24-128-00-1504-EW	/	File: C:\12D







PROPOSED RETAINING WALL

ACTIVE EARTHWORKS

COMPLETED EARTHWORKS

INDICATIVE SITE COMPOUND FOR SEASON WORKS

INDICATIVE STABILISED SITE ACCESS TO COMPOUND

STAGING AND ACTIVE AREAS ARE INDICATIVE ONLY.

ACTUAL WORKINGS AREAS, STAGING, SITE ACCESS AND COMPOUNDS TO BE DEFINED AND CONFIRMED PRIOR TO EACH WORKS SEASON.

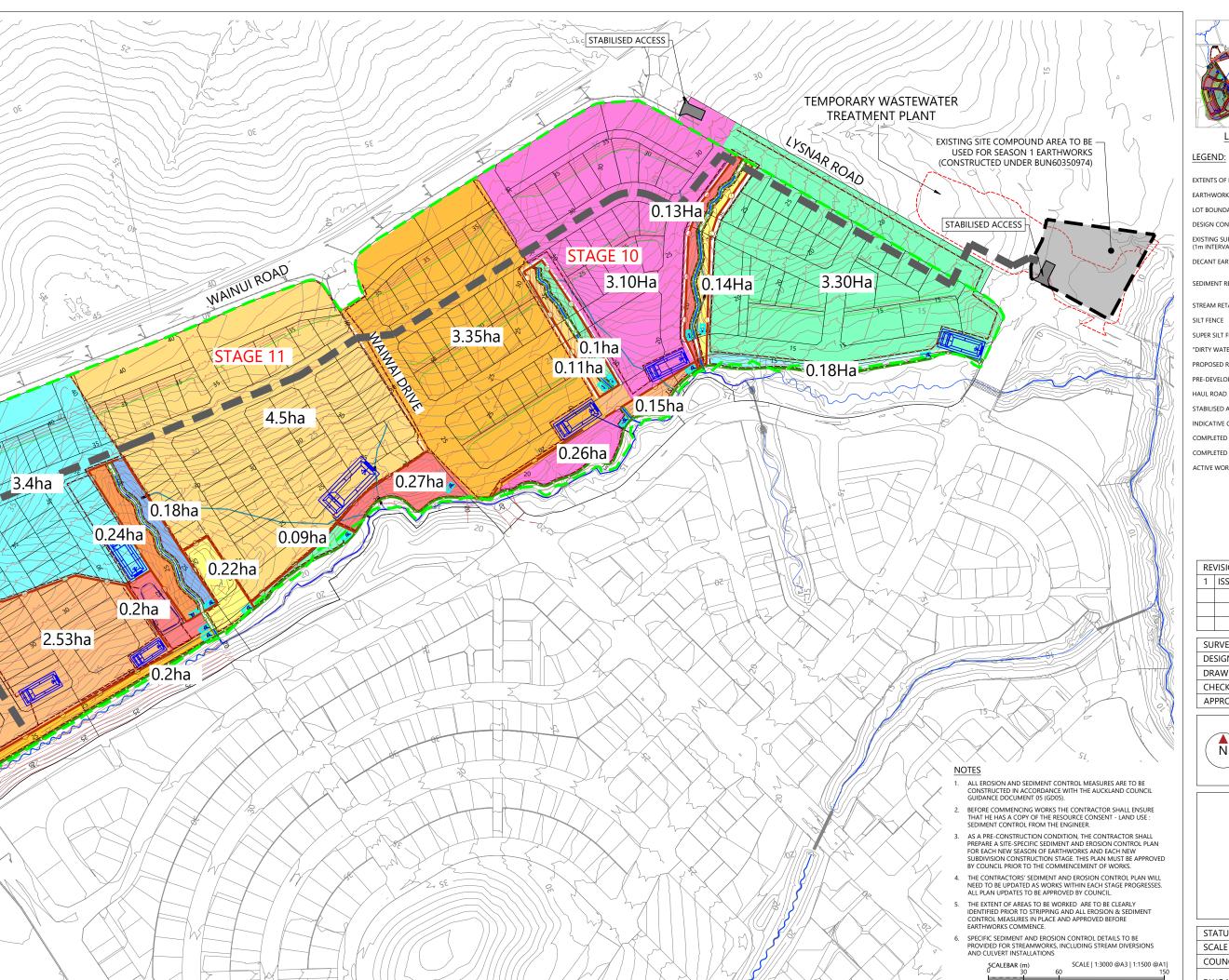
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	SURVEYED	WOODS	SIDWELL ROAD	1500-EW
	DESIGNED	WOODS	WAINUI	-1500
	DRAWN	TGB	AUCKLAND	128-00-
	CHECKED	JW		
Ī	APPROVED	JW	WOODS.CO.NZ	ENG\P24



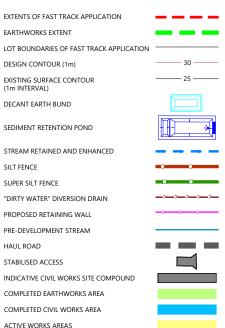


STATUS	ISSUED FOR CONSENT	REV	/P-Ak
SCALE	1:6000 @ A3	1	DATANWP
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DESIGNED	AP	WAINUI	-1600-
DRAWN	MW	AUCKLAND	28-00-
CHECKED	AP		P24-12
APPROVED	JW	WOODS.CO.NZ	NG)P

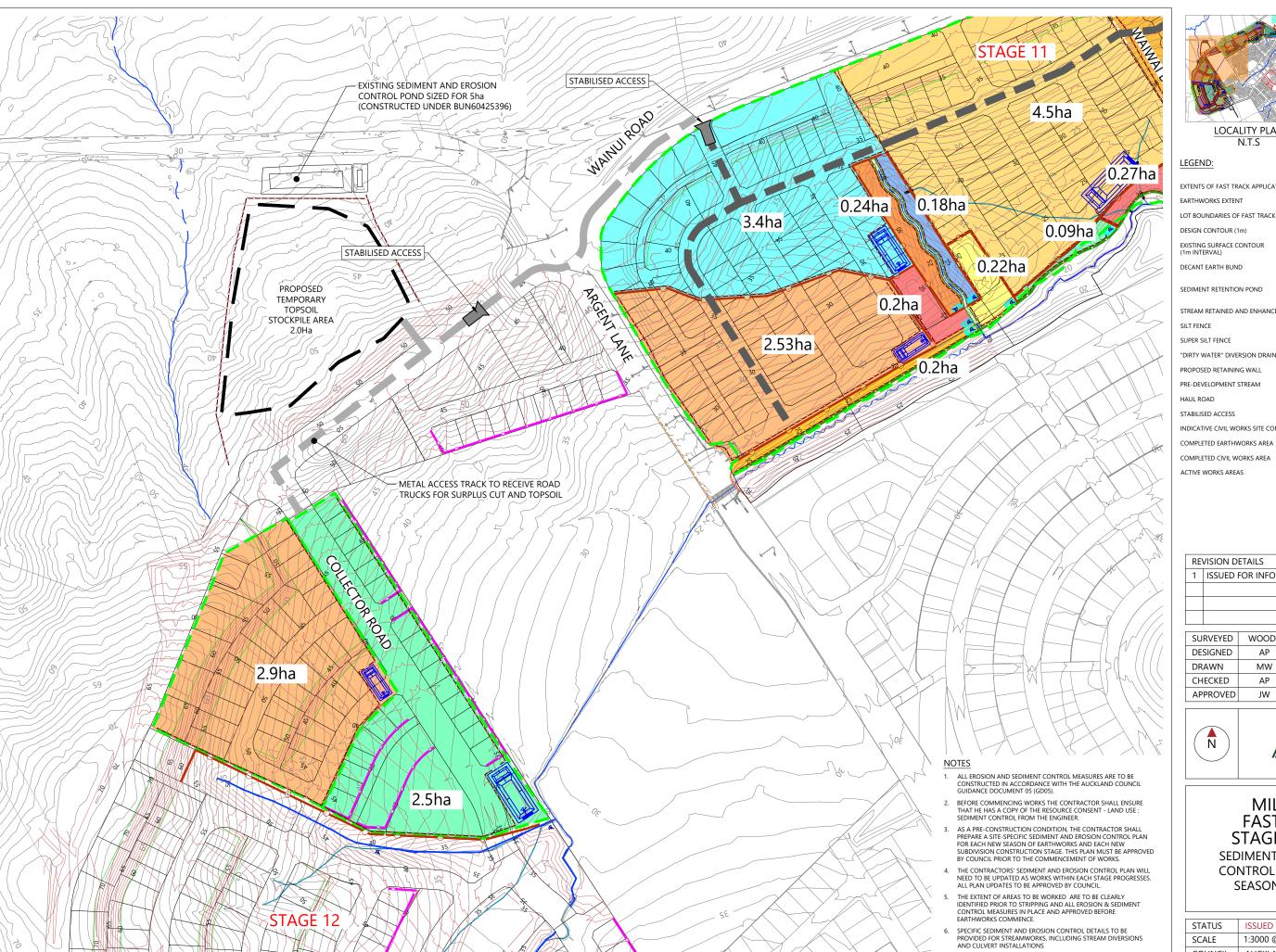




MILLDALE **FAST TRACK STAGES 10 - 13** SEDIMENT AND EROSION CONTROL STAGING PLAN

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	I
DWG NO	P24-128-00-1601-EW	

SEASON 1 - SHEET 1







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LEGEND:		
EXTENTS OF FAST TRACK APPLICATION		
EARTHWORKS EXTENT		
LOT BOUNDARIES OF FAST TRACK APPLICATION		
DESIGN CONTOUR (1m)	30	
EXISTING SURFACE CONTOUR (1m INTERVAL)	25	
DECANT EARTH BUND		
SEDIMENT RETENTION POND		
STREAM RETAINED AND ENHANCED	→ → −	
SILT FENCE	•	
SUPER SILT FENCE		
"DIRTY WATER" DIVERSION DRAIN	_>->->-	
PROPOSED RETAINING WALL		
PRE-DEVELOPMENT STREAM		
HAUL ROAD		
STABILISED ACCESS		
INDICATIVE CIVIL WORKS SITE COMPOUND		

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REVISION DETAILS			DATE	N C
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SURVEYED	WOODS	SIDWELL ROAD	-EW-
DESIGNED	AP	WAINUI	-1600-
DRAWN	MW	AUCKLAND	28-00-
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APPROVED	JW	WOODS.CO.NZ	NG\P24-

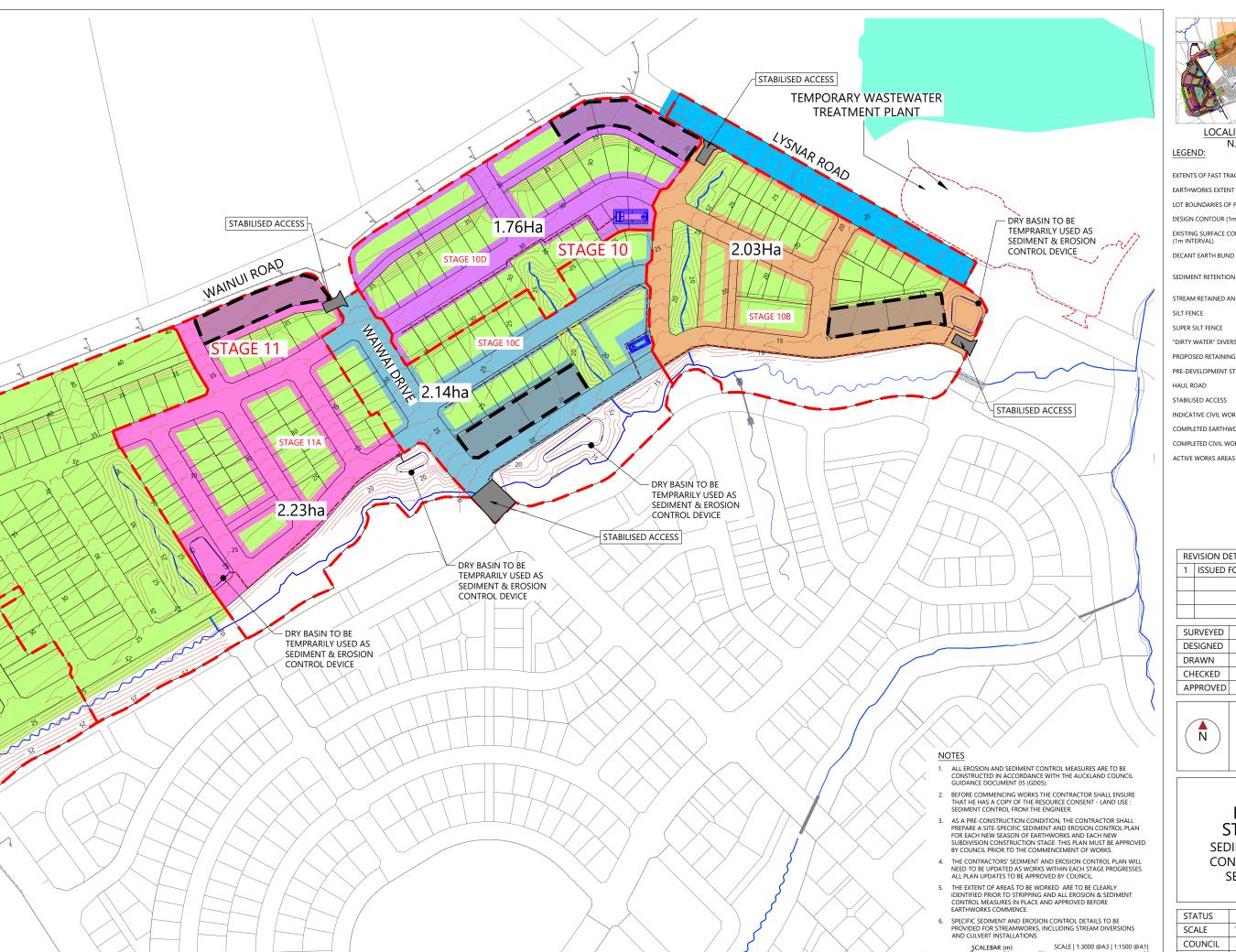


SCALE | 1:3000 @A3 | 1:1500 @A1| 150



MILLDALE FAST TRACK STAGES 10 - 13 **SEDIMENT AND EROSION** CONTROL STAGING PLAN SEASON 1 - SHEET 2

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	I
DWG NO	P24-128-00-1602-EW	I







EXTENTS OF FAST TRACK APPLICATION EARTHWORKS EXTENT LOT BOUNDARIES OF FAST TRACK APPLICATION DESIGN CONTOUR (1m) EXISTING SURFACE CONTOUR (1m INTERVAL) DECANT EARTH BUND SEDIMENT RETENTION POND STREAM RETAINED AND ENHANCED SUPER SILT FENCE "DIRTY WATER" DIVERSION DRAIN PROPOSED RETAINING WALL PRE-DEVELOPMENT STREAM STABILISED ACCESS INDICATIVE CIVIL WORKS SITE COMPOUND COMPLETED EARTHWORKS AREA COMPLETED CIVIL WORKS AREA

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DESIGNED	AP	WAINUI	-1600-
DRAWN	MW	AUCKLAND	28-00-
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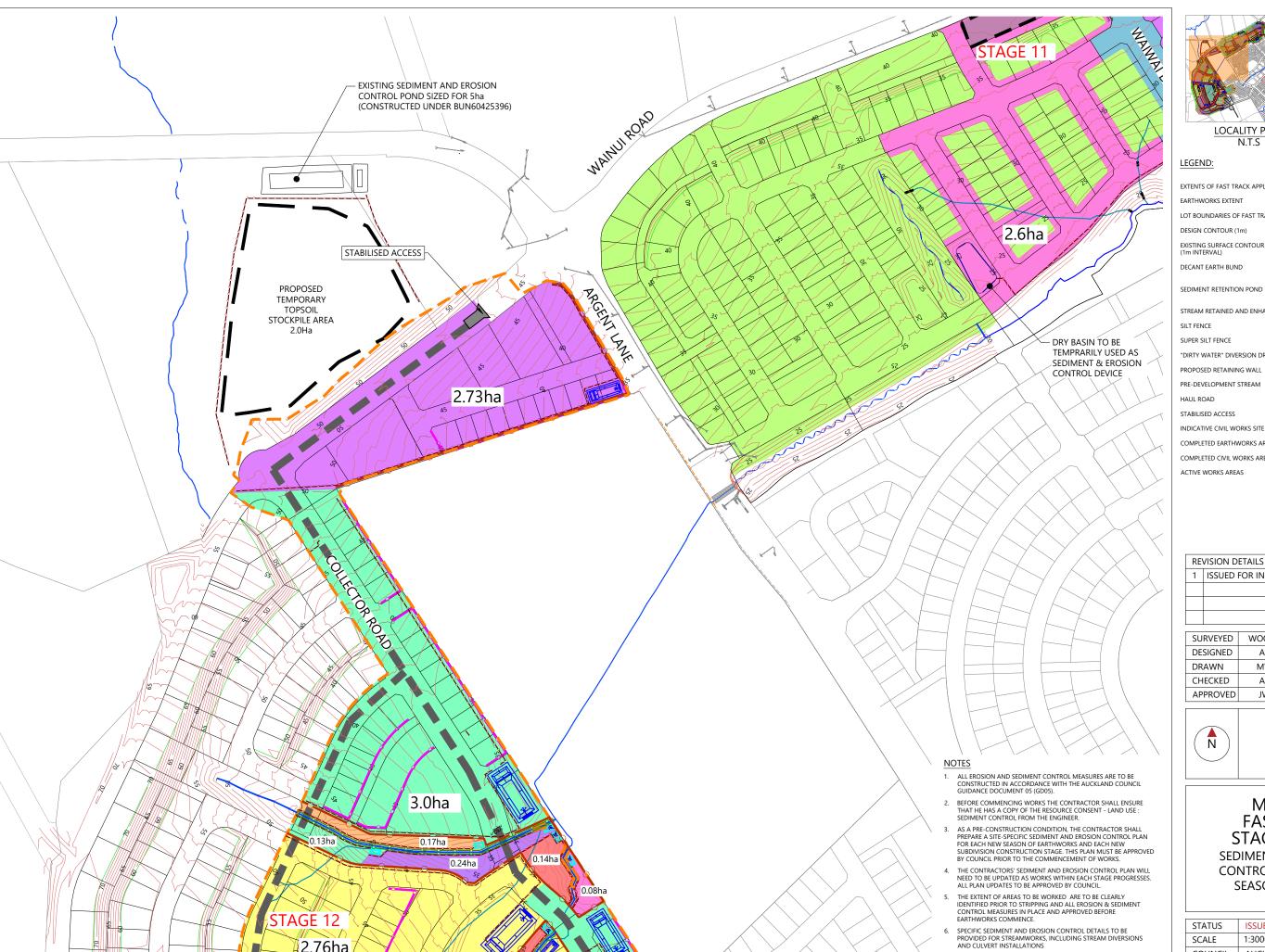




MILLDALE **FAST TRACK STAGES 10 - 13** SEDIMENT AND EROSION CONTROL STAGING PLAN

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	ı
DWG NO	P24-128-00-1603-EW	1

SEASON 2 - SHEET 1



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LOCALITY PLAN N.T.S

EXTENTS OF FAST TRACK APPLICATION

LOT BOUNDARIES OF FAST TRACK APPLICATION

EXISTING SURFACE CONTOUR (1m INTERVAL)

DECANT EARTH BUND

SILT FENCE

HAUL ROAD

STABILISED ACCESS



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SURVEYED	WOODS	SIDWELL ROAD	à
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APPROVED	JW	WOODS.CO.NZ	



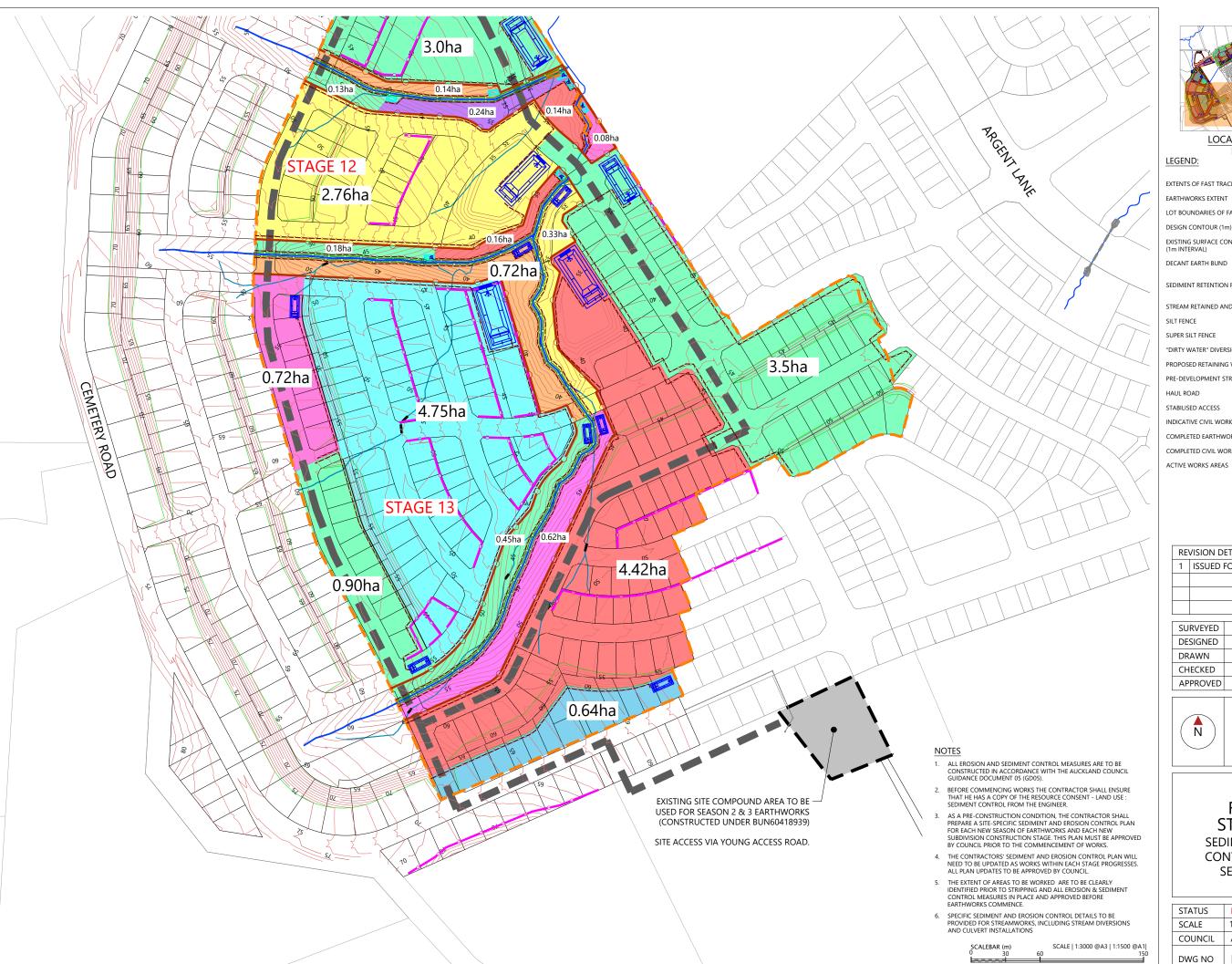
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MILLDALE **FAST TRACK STAGES 10 - 13** SEDIMENT AND EROSION

CONTROL STAGING PLAN SEASON 2 - SHEET 2

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	ı
DWG NO	P24-128-00-1604-EW	/







LEGEND:

EXTENTS OF FAST TRACK APPLICATION

EARTHWORKS EXTENT

LOT BOUNDARIES OF FAST TRACK APPLICATION

ACTIVE WORKS AREAS

EXISTING SURFACE CONTOUR (1m INTERVAL) DECANT EARTH BUND SEDIMENT RETENTION POND STREAM RETAINED AND ENHANCED SILT FENCE SUPER SILT FENCE "DIRTY WATER" DIVERSION DRAIN PROPOSED RETAINING WALL PRE-DEVELOPMENT STREAM HAUL ROAD STABILISED ACCESS INDICATIVE CIVIL WORKS SITE COMPOUND COMPLETED EARTHWORKS AREA COMPLETED CIVIL WORKS AREA

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APPROVED	JW	WOODS.CO.NZ	000

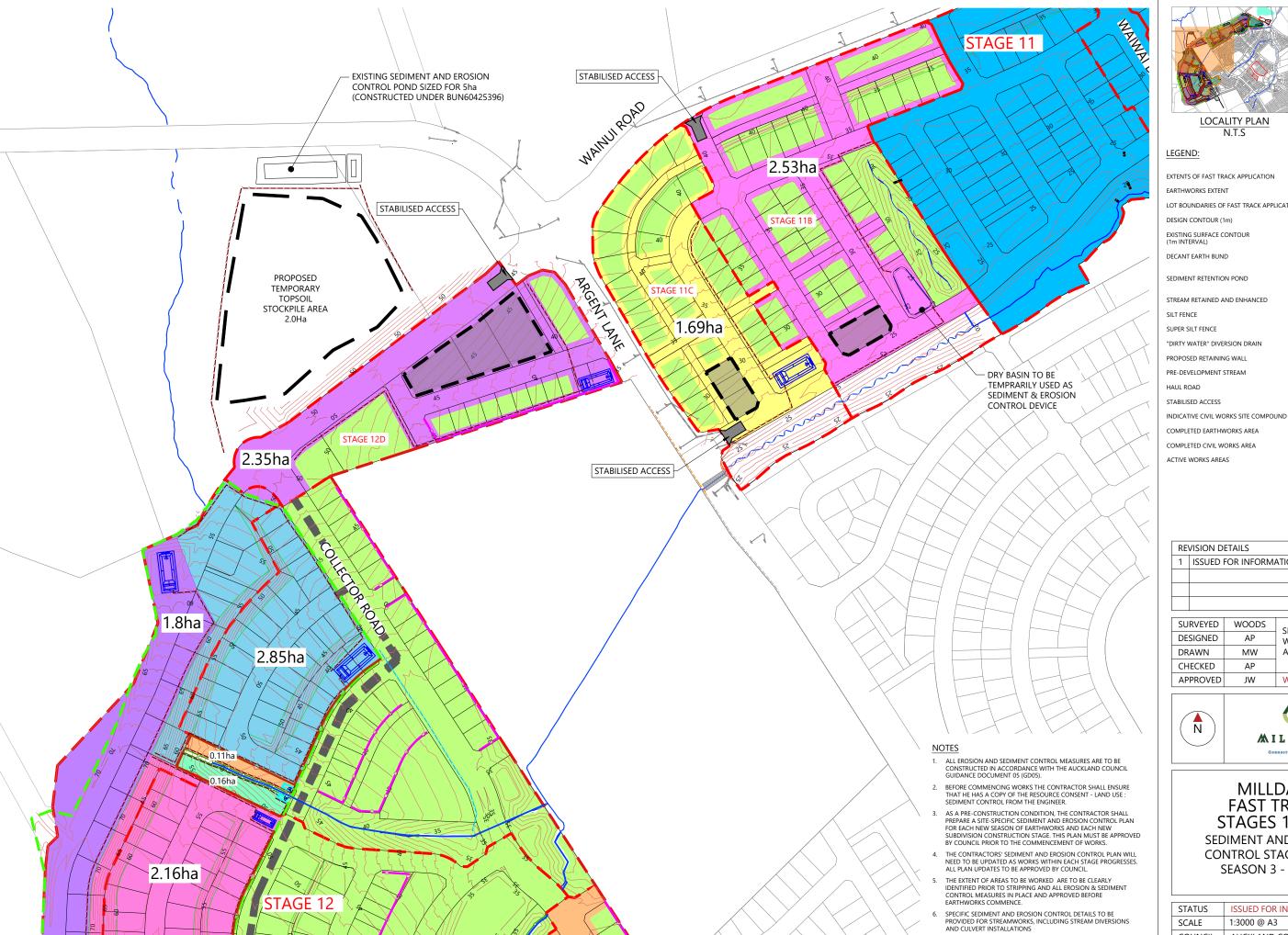




MILLDALE FAST TRACK **STAGES 10 - 13** SEDIMENT AND EROSION CONTROL STAGING PLAN

SEASON 2 - SHEET 3

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	'
DWG NO	P24-128-00-1605-EW	/







LOCALITY PLAN

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LEGEND:	i i
EXTENTS OF FAST TRACK APPLICATION	
EARTHWORKS EXTENT	
LOT BOUNDARIES OF FAST TRACK APPLICATION	
DESIGN CONTOUR (1m)	30
EXISTING SURFACE CONTOUR (1m INTERVAL)	25 6
DECANT EARTH BUND	
SEDIMENT RETENTION POND	30 — 25 —
STREAM RETAINED AND ENHANCED	→ → → −
SILT FENCE	•
SUPER SILT FENCE	
"DIRTY WATER" DIVERSION DRAIN	
PROPOSED RETAINING WALL	
PRE-DEVELOPMENT STREAM	
HAUL ROAD	

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SURVEYED	WOODS	SIDWELL ROAD	-EW-
DESIGNED	AP	WAINUI	-1600-
DRAWN	MW	AUCKLAND	28-00-
CHECKED	AP		P24-12
APPROVED	JW	WOODS.CO.NZ	NG)P



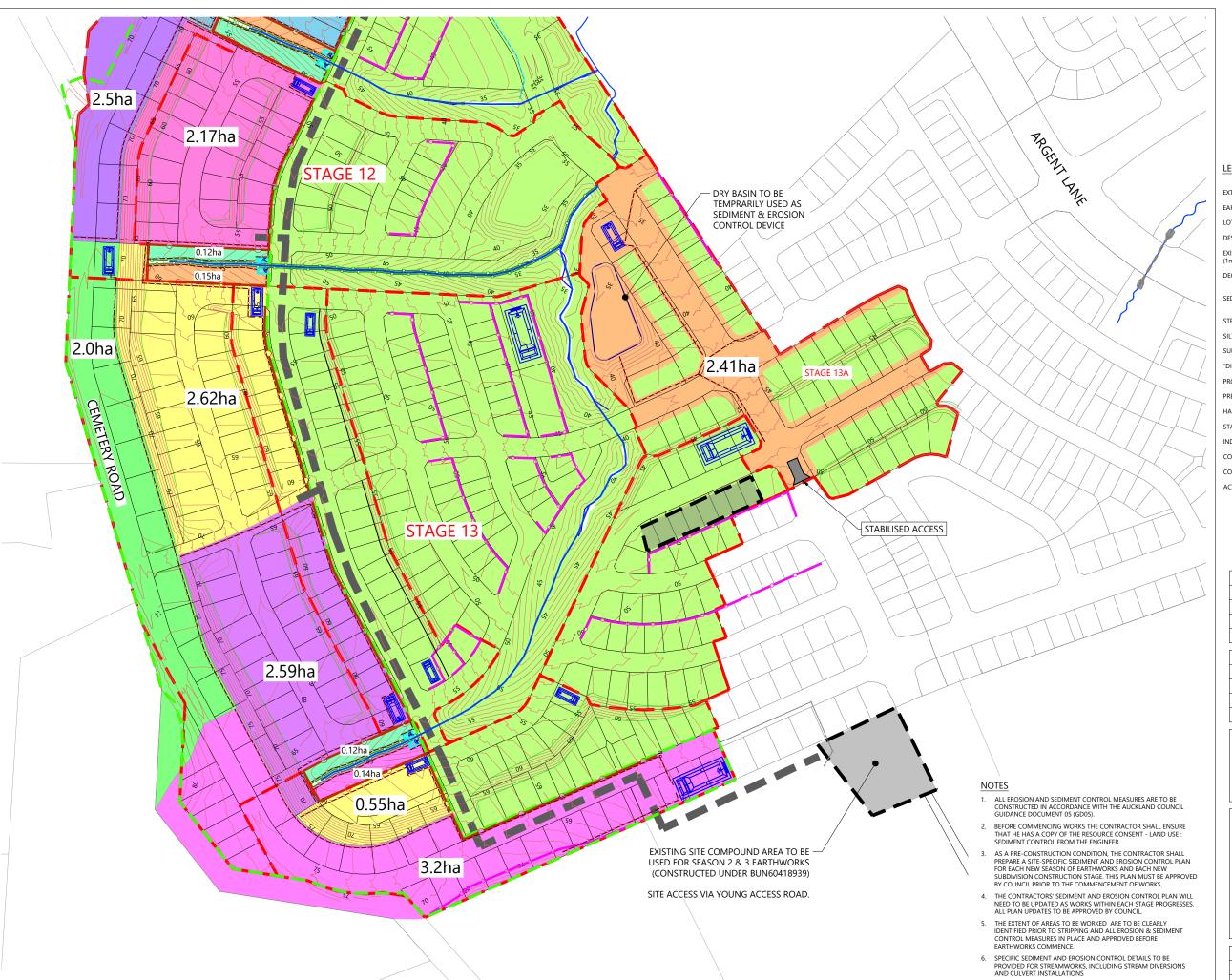
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MILLDALE FAST TRACK STAGES 10 - 13 SEDIMENT AND EROSION CONTROL STAGING PLAN

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	ı
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SEASON 3 - SHEET 1







LEGEND:

EXTENTS OF FAST TRACK APPLICATION

EARTHWORKS EXTENT

LOT BOUNDARIES OF FAST TRACK APPLICATION DESIGN CONTOUR (1m)

EXISTING SURFACE CONTOUR (1m INTERVAL)

DECANT EARTH BUND

SEDIMENT RETENTION POND

STREAM RETAINED AND ENHANCED

SILT FENCE

SUPER SILT FENCE

"DIRTY WATER" DIVERSION DRAIN

PROPOSED RETAINING WALL
PRE-DEVELOPMENT STREAM

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HAUL ROAD

STABILISED ACCESS

INDICATIVE CIVIL WORKS SITE COMPOUND

COMPLETED EARTHWORKS AREA

COMPLETED CIVIL WORKS AREA

ACTIVE WORKS AREAS

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SURVEYED	WOODS	SIDWELL ROAD
DESIGNED	AP	WAINUI
DRAWN	MW	AUCKLAND
CHECKED	AP	
APPROVED	JW	WOODS.CO.NZ



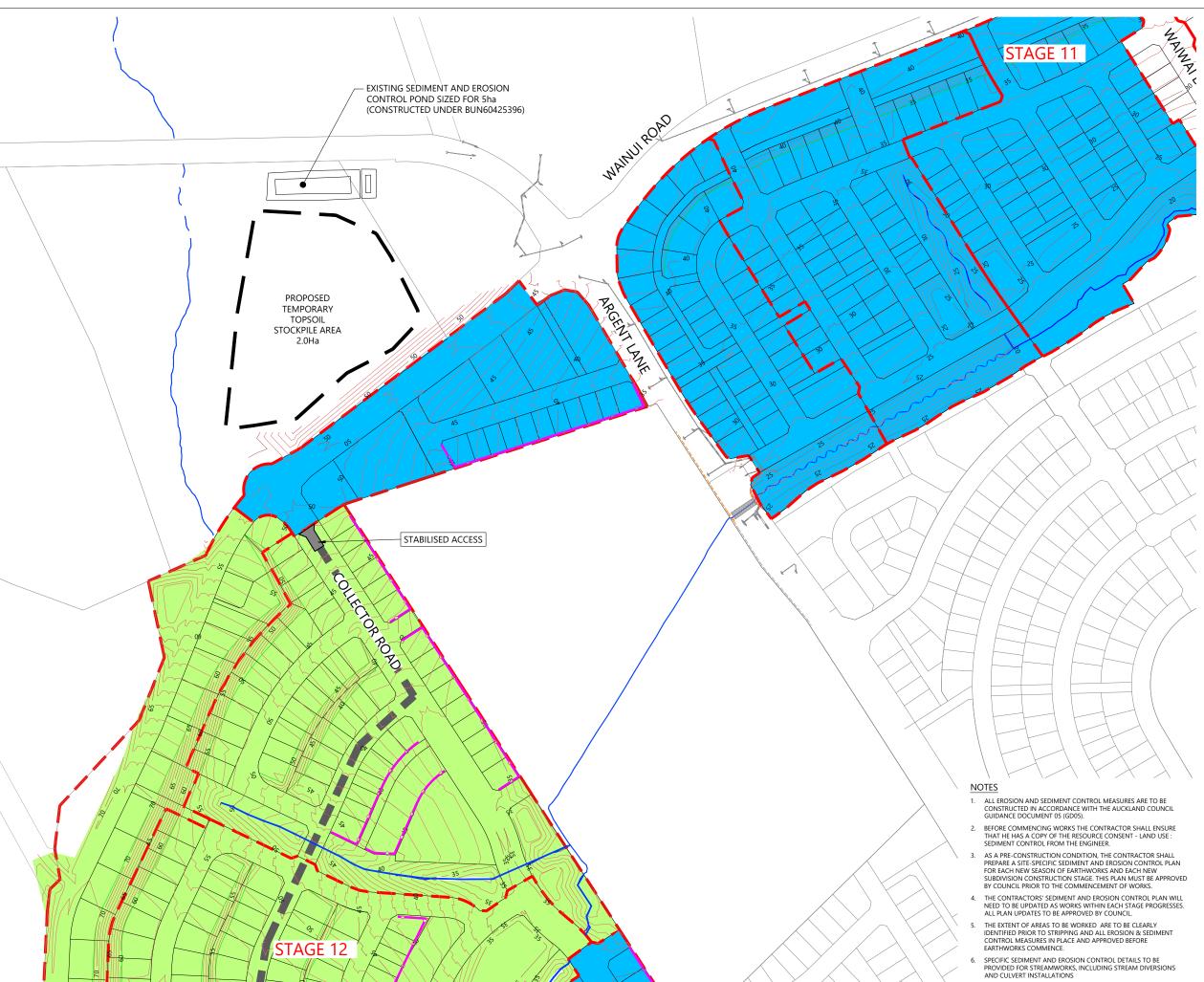
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MILLDALE FAST TRACK STAGES 10 - 13 SEDIMENT AND EROSION

CONTROL STAGING PLAN SEASON 3 - SHEET 2

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LOCALITY PLAN N.T.S

INDICATIVE CIVIL WORKS SITE COMPOUND

COMPLETED EARTHWORKS AREA

COMPLETED CIVIL WORKS AREA

ACTIVE WORKS AREAS

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	LEGEND:	
	EXTENTS OF FAST TRACK APPLICATION	
	EARTHWORKS EXTENT	
	LOT BOUNDARIES OF FAST TRACK APPLICATION	
	DESIGN CONTOUR (1m)	30 ——
	EXISTING SURFACE CONTOUR (1m INTERVAL)	25
	DECANT EARTH BUND	
	SEDIMENT RETENTION POND	
	STREAM RETAINED AND ENHANCED	\rightarrow \rightarrow \rightarrow $-$
	SILT FENCE	•
	SUPER SILT FENCE	
	"DIRTY WATER" DIVERSION DRAIN	
	PROPOSED RETAINING WALL	
	PRE-DEVELOPMENT STREAM	
	HAUL ROAD	- $ -$
	STABILISED ACCESS	

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DESIGNED	AP	WAINUI	
DRAWN	MW	AUCKLAND	NG\P24-128-00-
CHECKED	AP		24-13
APPROVED	JW	WOODS.CO.NZ	NG/P

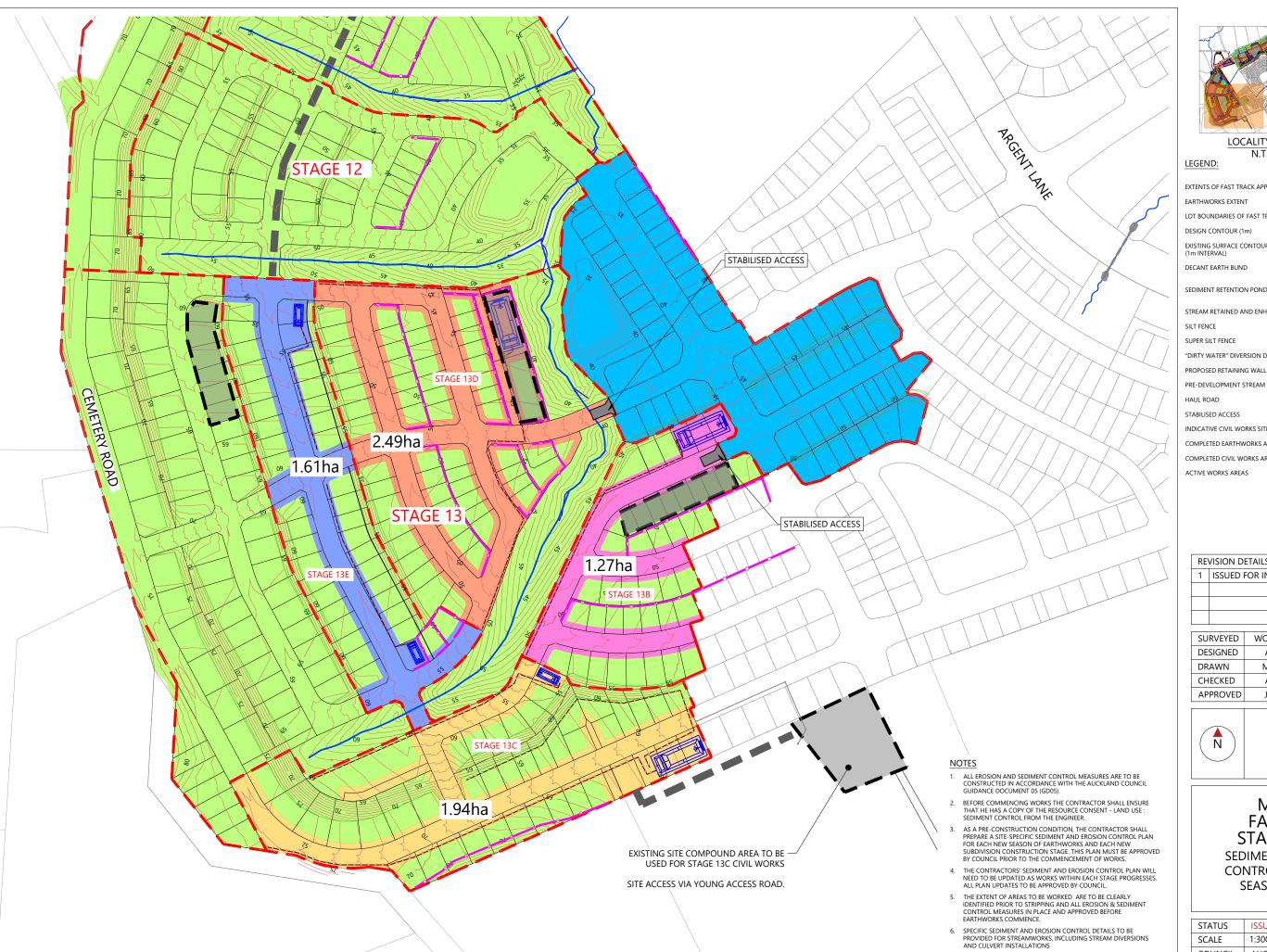


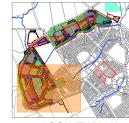
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MILLDALE
FAST TRACK
STAGES 10 - 13
SEDIMENT AND EROSION
CONTROL STAGING PLAN
SEASON 4 - SHEET 1

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	'
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LEGEND:

EXTENTS OF FAST TRACK APPLICATION

LOT BOUNDARIES OF FAST TRACK APPLICATION

DESIGN CONTOUR (1m)

EXISTING SURFACE CONTOUR (1m INTERVAL)

SEDIMENT RETENTION POND

STREAM RETAINED AND ENHANCED

SILT FENCE

SUPER SILT FENCE

"DIRTY WATER" DIVERSION DRAIN

PRE-DEVELOPMENT STREAM

HAUL ROAD

STABILISED ACCESS

INDICATIVE CIVIL WORKS SITE COMPOUND

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DESIGNED	AP	WAINUI	
DRAWN	MW	AUCKLAND	
CHECKED	AP		1
APPROVED	JW	WOODS.CO.NZ	



SCALE | 1:3000 @A3 | 1:1500 @A1| 150

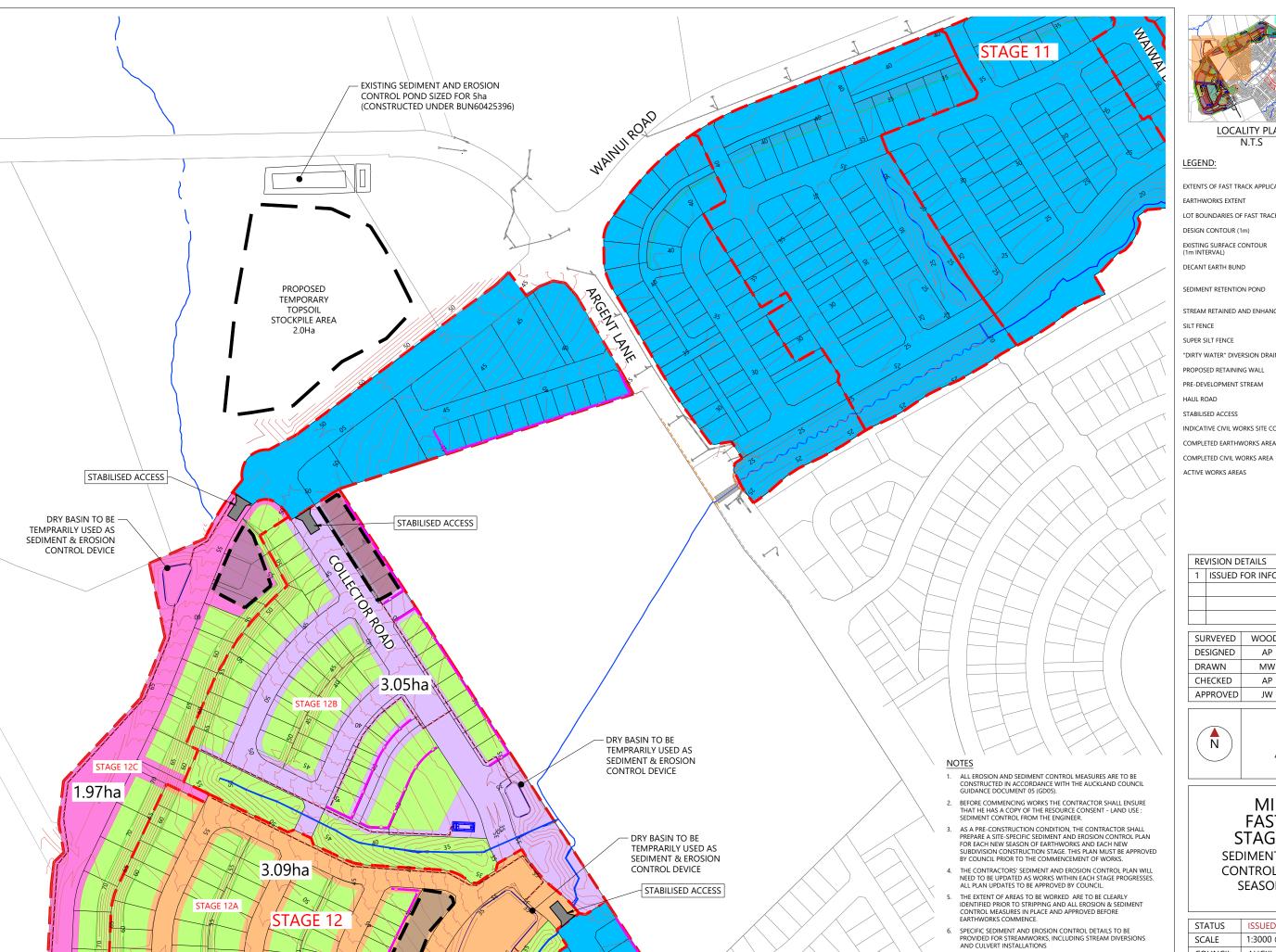
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MILLDALE FAST TRACK STAGES 10 - 13 SEDIMENT AND EROSION

CONTROL STAGING PLAN SEASON 4 - SHEET 2

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
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LOCALITY PLAN

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LEGEND:	
EXTENTS OF FAST TRACK APPLICATION	
EARTHWORKS EXTENT	
LOT BOUNDARIES OF FAST TRACK APPLICATION	
DESIGN CONTOUR (1m)	30
EXISTING SURFACE CONTOUR (1m INTERVAL)	25
DECANT EARTH BUND	
SEDIMENT RETENTION POND	
STREAM RETAINED AND ENHANCED	\rightarrow \rightarrow \rightarrow $-$
SILT FENCE	•
SUPER SILT FENCE	
"DIRTY WATER" DIVERSION DRAIN	_>_>>
PROPOSED RETAINING WALL	
PRE-DEVELOPMENT STREAM	
HAUL ROAD	
STABILISED ACCESS	
INDICATIVE CIVIL WORKS SITE COMPOUND	
COMPLETED EARTHWORKS AREA	

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DESIGNED	AP	WAINUI	-1600
DRAWN	MW	AUCKLAND	28-00
CHECKED	AP		24-1
APPROVED	JW	WOODS.CO.NZ	NG/P

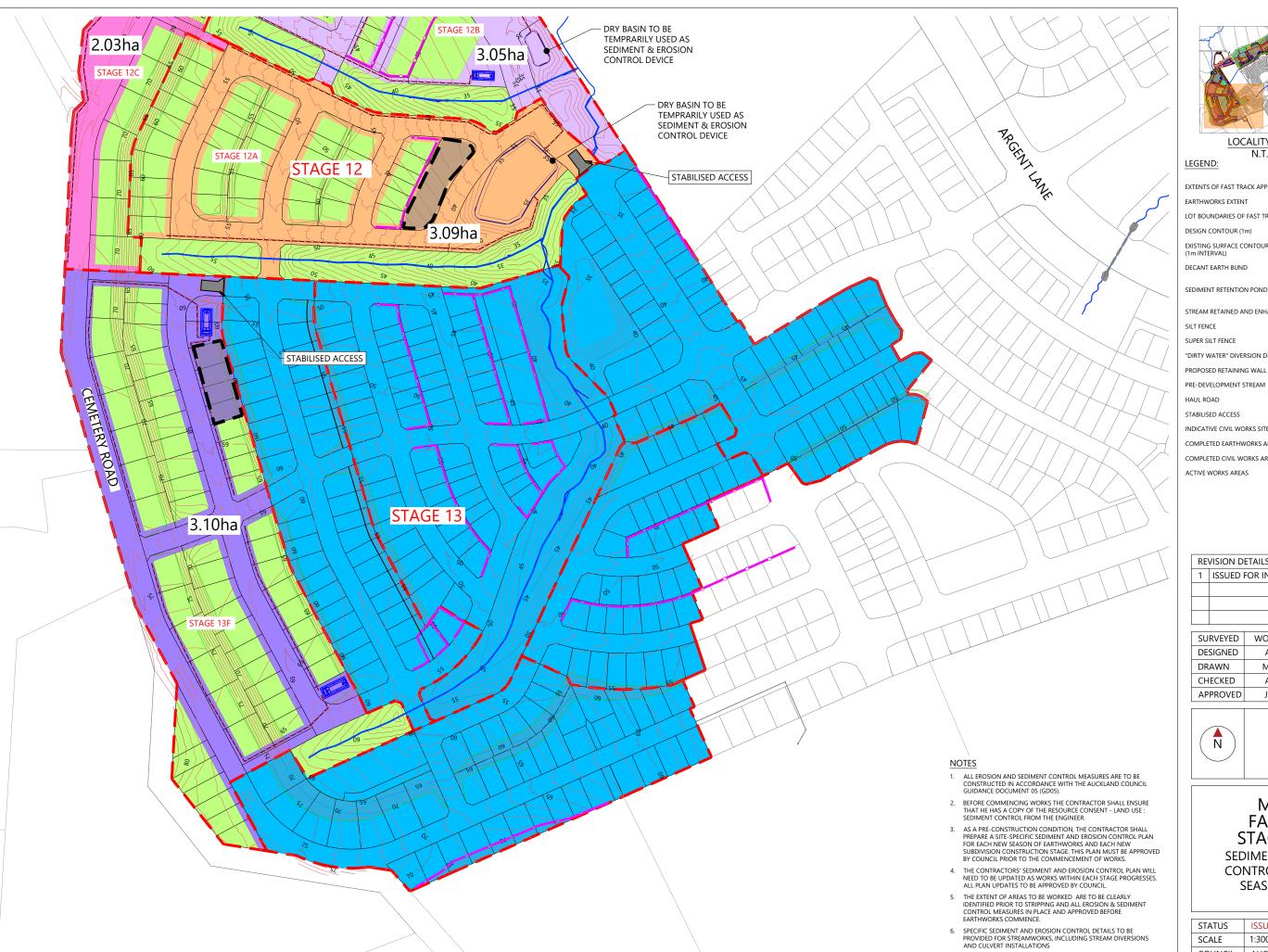


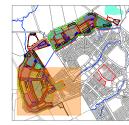
SCALE | 1:3000 @A3 | 1:1500 @A1| 150



MILLDALE FAST TRACK STAGES 10 - 13 SEDIMENT AND EROSION CONTROL STAGING PLAN SEASON 5 - SHEET 1

STATUS	ISSUED FOR INFORMATION	REV
SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	ı
DWG NO	P24-128-00-1610-EW	







LEGEND:

EXTENTS OF FAST TRACK APPLICATION EARTHWORKS EXTENT

LOT BOUNDARIES OF FAST TRACK APPLICATION DESIGN CONTOUR (1m)

EXISTING SURFACE CONTOUR (1m INTERVAL)

DECANT EARTH BUND

STREAM RETAINED AND ENHANCED

SILT FENCE

SLIPER SILT FENCE

"DIRTY WATER" DIVERSION DRAIN

PRE-DEVELOPMENT STREAM

HAUL ROAD

STABILISED ACCESS

INDICATIVE CIVIL WORKS SITE COMPOUND

COMPLETED EARTHWORKS AREA

COMPLETED CIVIL WORKS AREA

REVISION DETAILS BY DATE 1 ISSUED FOR INFORMATION MW MAR 2025

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SURVEYED	WOODS	SIDWELL ROAD	-EW-
DESIGNED	AP	WAINUI	-1600-1
DRAWN	MW	AUCKLAND	28-00
CHECKED	AP		<u>-</u>
APPROVED	JW	WOODS.CO.NZ	NG\P24-



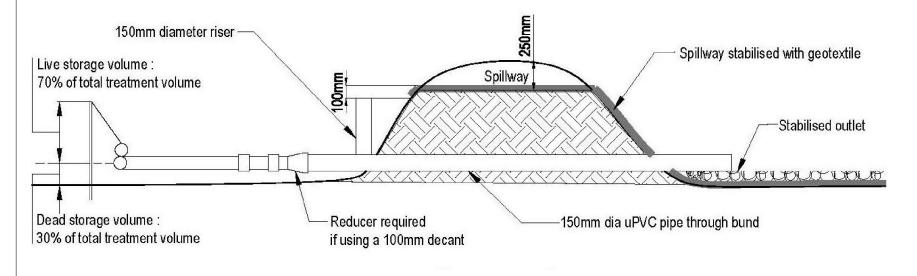
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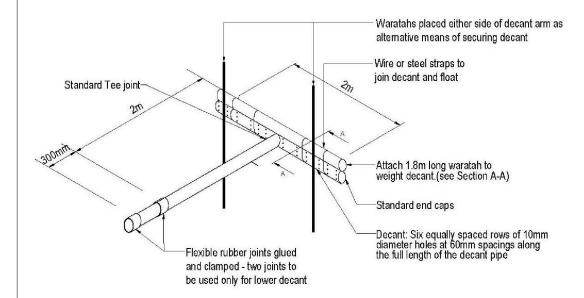
MILLDALE FAST TRACK STAGES 10 - 13 SEDIMENT AND EROSION CONTROL STAGING PLAN SEASON 5 - SHEET 2

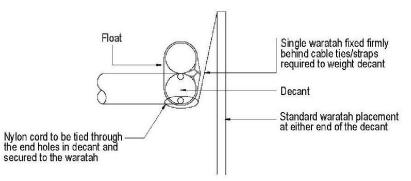
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SCALE	1:3000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	1
DWG NO P24-128-00-1611-EW		/



DECANTING EARTH BUND TYPICAL CROSS SECTION

NOT TO SCALE





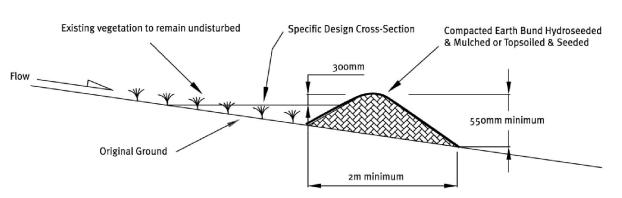
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NOT TO SCALE



DECANTING EARTH BUND CLOSE UP VIEW

NOT TO SCALE



CLEAN WATER DIVERSION TYPICAL CROSS SECTION

NOT TO SCALE

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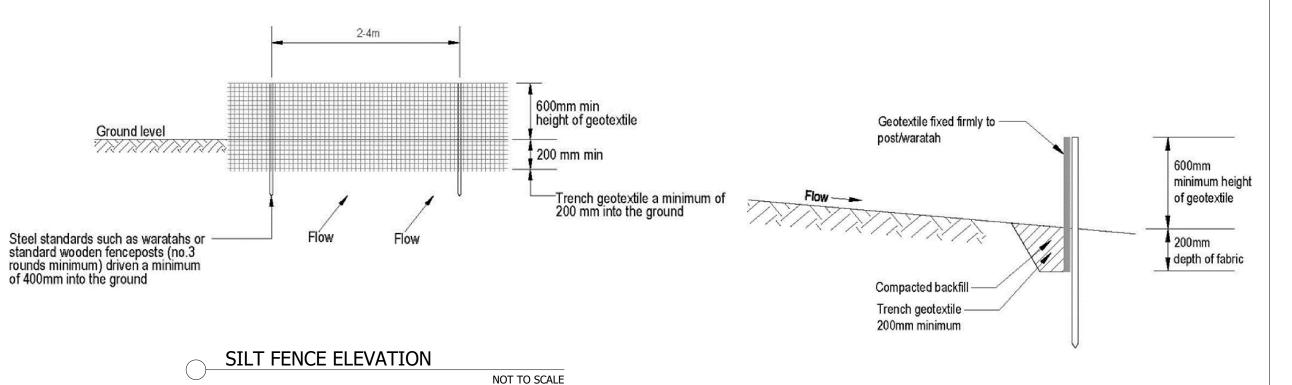
SURVEYED	WOODS	SIDWELL ROAD
DESIGNED	WOODS	WAINUI
DRAWN	FA	AUCKLAND
CHECKED	AP	
APPROVED	JW	WOODS.CO.NZ



MILLDALE FAST TRACK STAGES 10 - 13

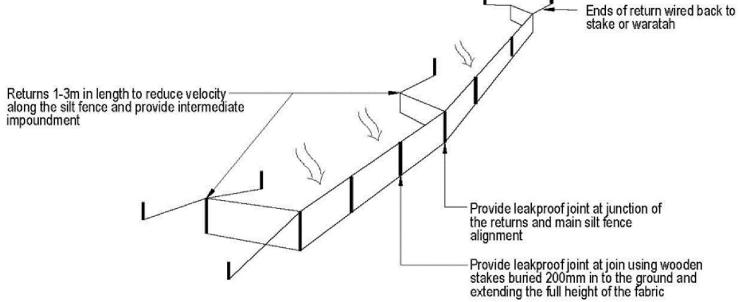
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SCALE	N.T.S	1
COUNCIL	AUCKLAND COUNCIL	ı
DWG NO	P24-128-00-1620-EW	

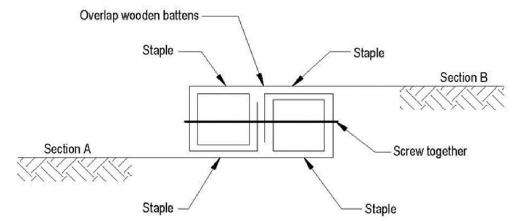




SILT FENCE CROSS SECTION

NOT TO SCALE





MILLDALE
FAST TRACK
STAGES 10 - 13

REVISION DETAILS

SURVEYED

DESIGNED

DRAWN

CHECKED

APPROVED

1 ISSUED FOR CONSENT

WOODS

WOODS

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JW

EROSION AND SEDIMENT CONTROL STANDARD DETAILS - SHEET 2

BY

SIDWELL ROAD

WOODS.CO.NZ

WAINUI AUCKLAND

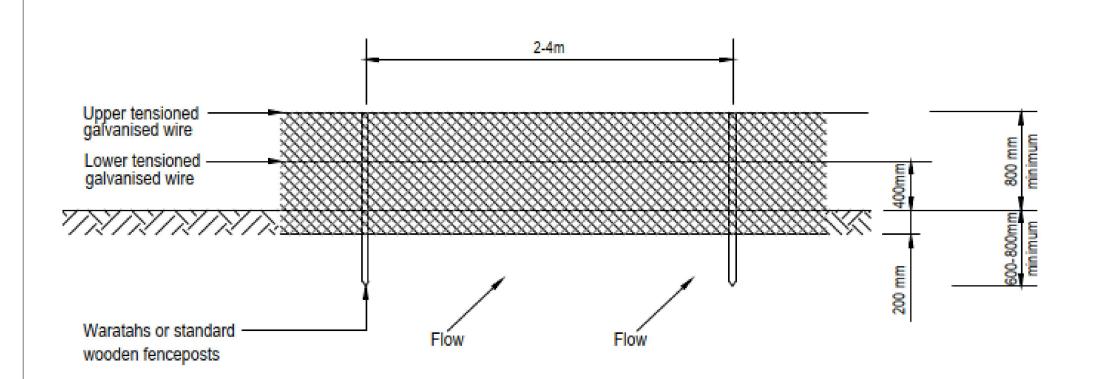
WILLDALE

DATE

JW FEB 2025

STATUS	ISSUED FOR CONSENT	REV
SCALE	N.T.S	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-128-00-1621-EW	

Provide leakproof joint at junction of the returns and main silt fence alignment Provide leakproof joint at join using wooden stakes buried 200mm in to the ground and extending the full height of the fabric	Section B Section A Section A Staple Staple Staple
SCHEMATIC OF SILT FENCE NOT TO SCALE	STANDARD FABRIC JOINT FOR SILT FENCE NOT TO SCALE



SUPER SILT FENCE ELEVATION

NOT TO SCALE

Chain link fencing between posts and geotextile

Geotextile - 2nd layer

Geotextile - 1st layer

Flow

Warratah back stays install as extra support where required

Embed geotextile and netting support 200mm min. into ground (cover with suitable backfill and compact)

SUPER SILT FENCE CROSS SECTION

NOT TO SCALE

SUPER SILT FENCE CLOSE UP VIEW

NOT TO SCALE

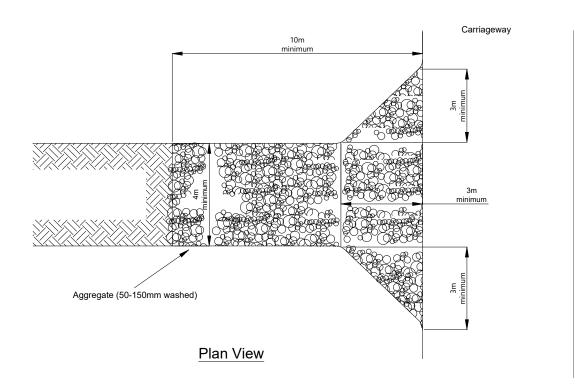
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DESIGNED	WOODS	WAINUI
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MILLDALE FAST TRACK STAGES 10 - 13

STATUS	ISSUED FOR CONSENT	REV
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STABILISED CONSTRUCTION ENTRANCE TYPICAL DETAILS

NOT TO SCALE

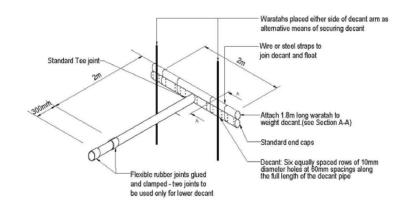
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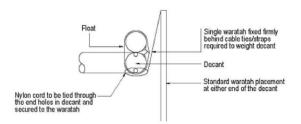
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MILLDALE FAST TRACK STAGES 10 - 13

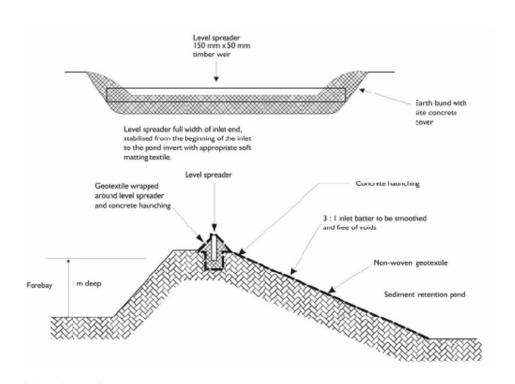
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SCHEMATIC OF STANDARD T-BAR DESIGN

NOT TO SCALE



CROSS SECTION OF LEVEL SPREADER NOT TO SCALE

Level spreader 100 - 200mm above emergency spillway invert Decant Lined emergency Primary spillway spillway Live storage 2m 70% volume Total storage (pond volume) 300mm Lined inlet batter Forebay Dead storage Anti-seep collars 30% volume Rip rap

Wide shallow level spillway over existing ground where possible, retaining the existing grass cover. Bare areas

large rock to break up flow

SCHEMATIC OF SEDIMENT RETENTION POND

Consider using a rope

and pulley system to lift decants out of wate in the event of having to pump or drain wate to the pond. Decants must be lowered once settling to be stabilised with concrete, geotextile or other armouring

Bund/diversion channels to ensure all flow enters at the inlet end

Secure the ends of the level spreader by burying within the earth bund and

> Level spreader full width of inlet end, batter into pond to be stabilised with soft matting geotextile.

> > NOT TO SCALE

xtra crest width may be required to

cleaning out

All bare surfaces to be stabilised with vegetation if the pond is to remain through a winter period, otherwise just the outer batter needs to be stabilised

haunching with concrete

SRP Cross-Section

STANDARD SEDIMENT RETENTION POND CROSS SECTION

NOT TO SCALE

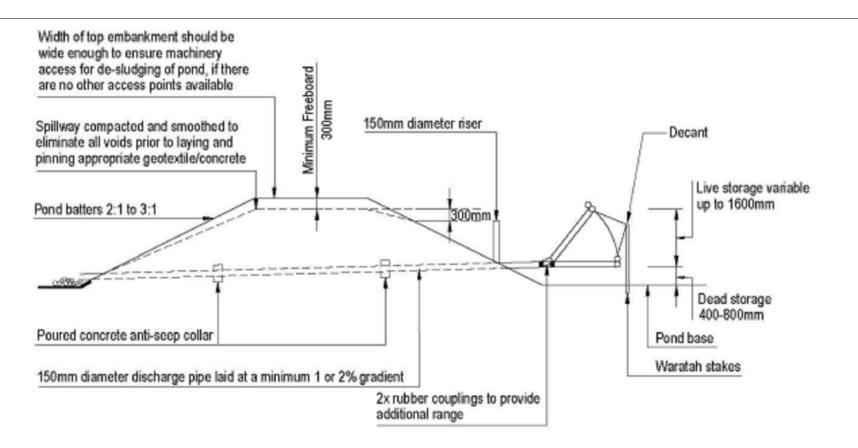
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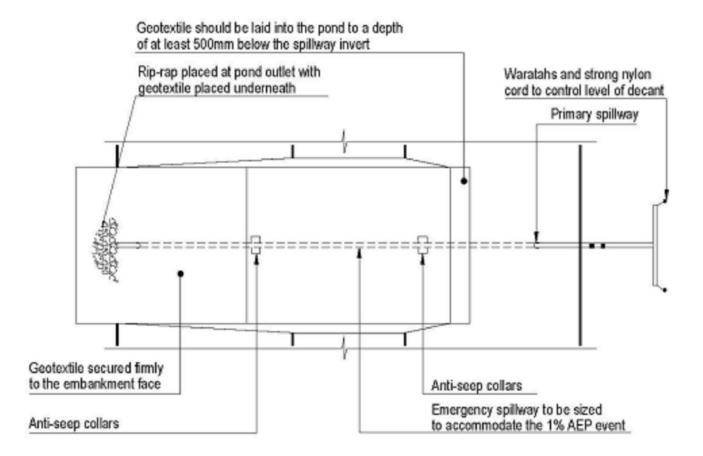
MILLDALE FAST TRACK STAGES 10 - 13

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SEDIMENT RETENTION POND FOR <1.5ha CATCHMENT - CROSS SECTION

NOT TO SCALE



SEDIMENT RETENTION POND FOR <1.5ha CATCHMENT - PLAN VIEW

NOT TO SCALE

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MILLDALE FAST TRACK STAGES 10 - 13

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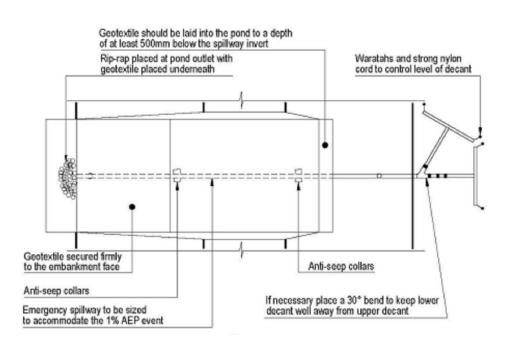
Lower decant's Width of top embankment should be wide enough to extent of travel ensure machinery access for de-sludging of pond, if is over 100% there are no other access points available Concrete riser may require weighting Upper decant Middle decant of the live operates over operates over storage depth or anchoring to prevent floating top 1/3 of live top 2/3 of live variable up to Spillway compacted and smoothed to eliminate all voids prior to laying and pinning appropriate storage only storage only 1600mm geotextile/concrete Pond batters 2:1 to 3:1 4 4 Poured concrete anti-seep collar Dead storage Poured concrete anti-seep collar 400-800mm Lowest inlet pipe to riser is angled upward at 15° to ease tension on flexible joint 300mm diameter discharge pipe laid at a minimum 1 or 2% gradient Waratah stakes required for all decants Pond base

SRP FOR 1.5 TO 3ha CATCHMENT CROSS SECTION

NOT TO SCALE

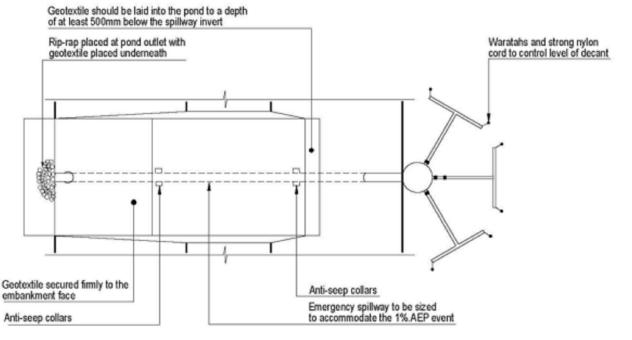
SRP FOR 3 TO 5ha CATCHMENT CROSS SECTION

NOT TO SCALE



SRP FOR 1.5 TO 3ha CATCHMENT PLAN VIEW

NOT TO SCALE



Plan view

SRP FOR 3 TO 5ha CATCHMENT PLAN VIEW

NOT TO SCALE

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