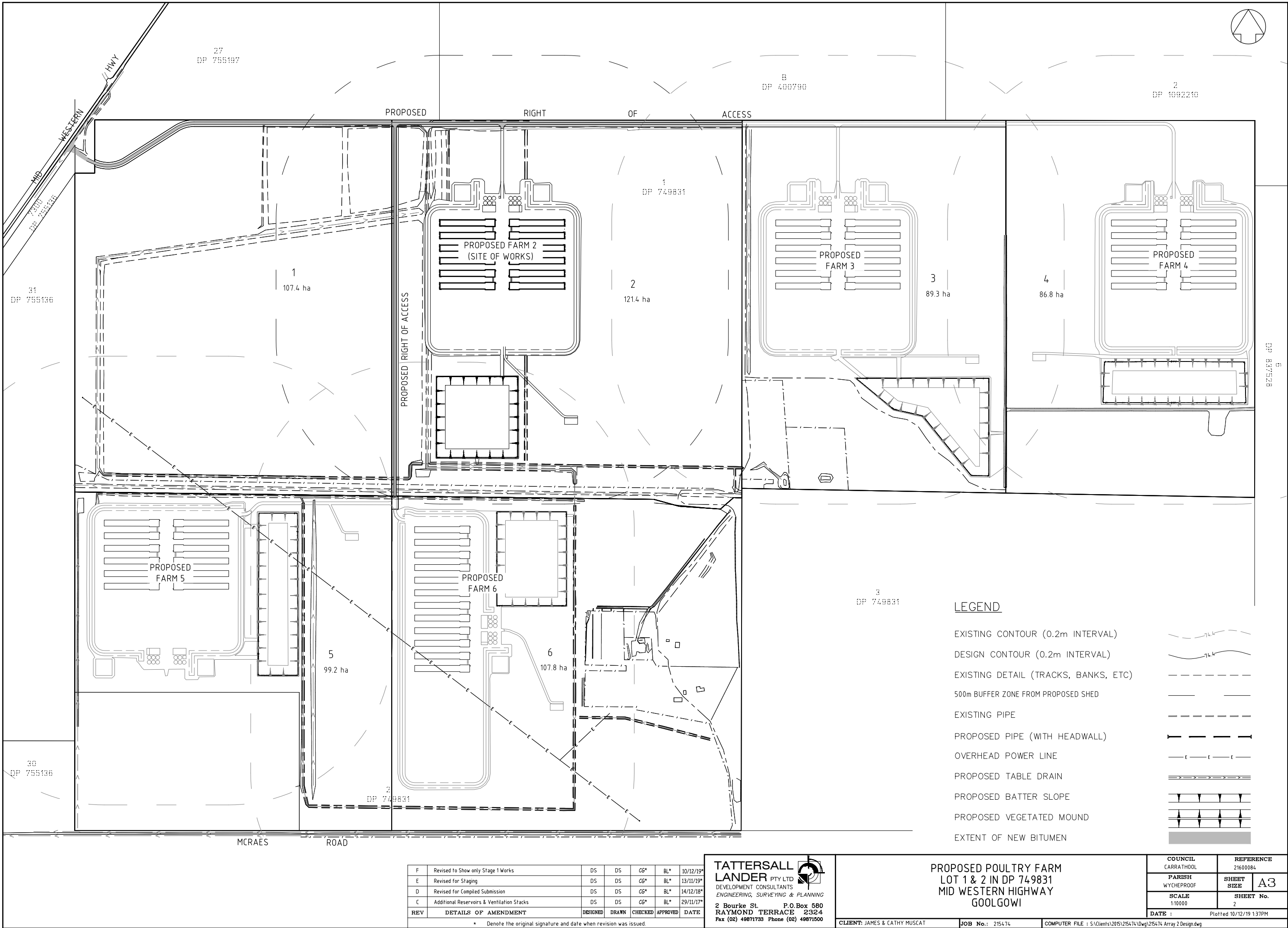




F	Revised to Show only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
E	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
D	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
C	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

* Denote the original signature and date when revision was issued.

TATTERSALL
LANDER PTY LTD
DEVELOPMENT CONSULTANTS
ENGINEERING, SURVEYING & PLANNING
2 Bourke St. P.O.Box 580
RAYMOND TERRACE 2324
Fax (02) 49871733 Phone (02) 49871500

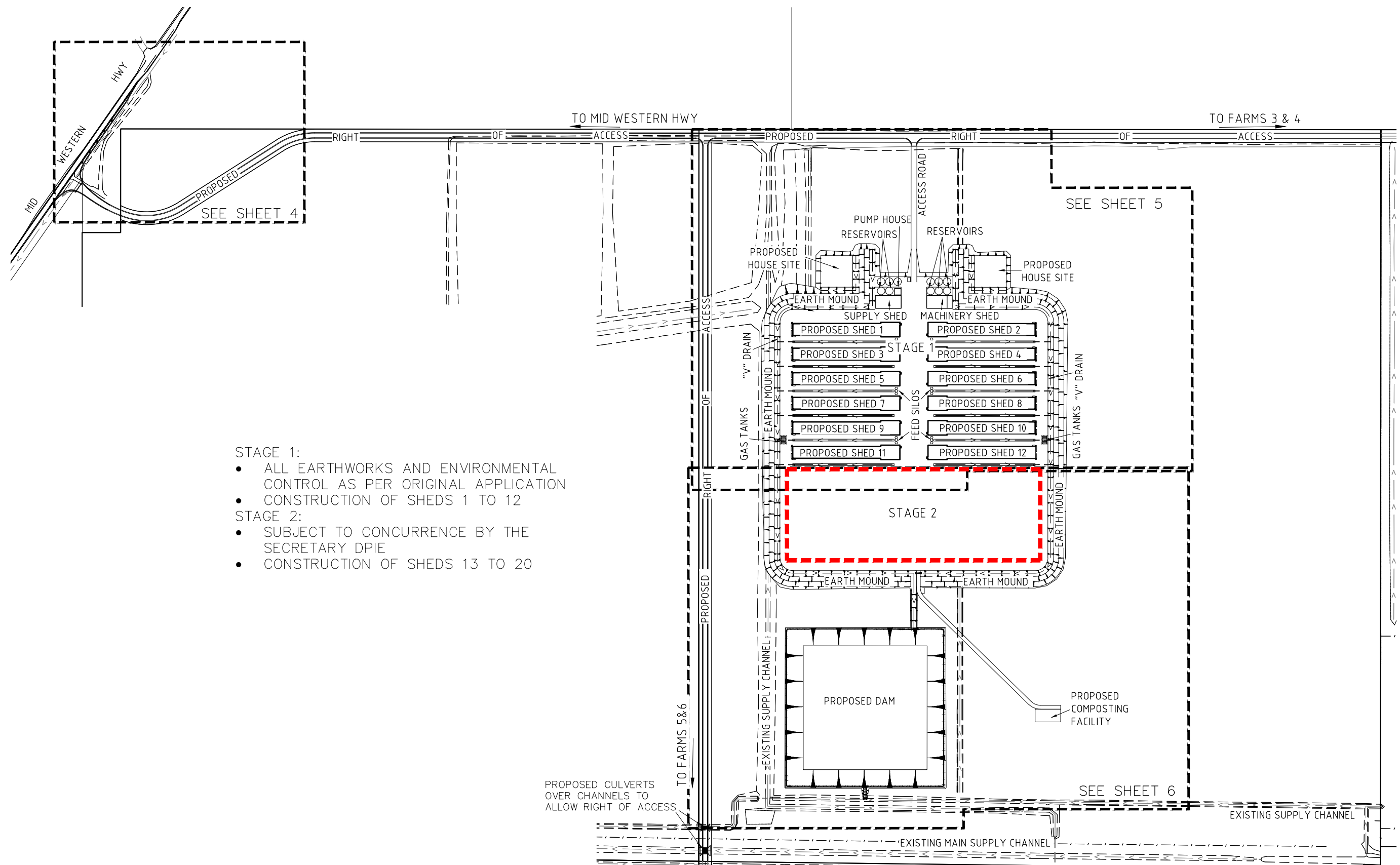
PROPOSED POULTRY FARM
LOT 1 & 2 IN DP 749831
MID WESTERN HIGHWAY
GOOLGOWI

CLIENT: JAMES & CATHY MUSCAT

JOB No.: 215474

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg

COUNCIL CARRATHOOL	REFERENCE 21600084
PARISH WYCHEPROOF	SHEET SIZE A3
SCALE 1:10000	SHEET No. 2
DATE : 10/12/19	Plotted 10/12/19 1:37PM



- STAGE 1:
- ALL EARTHWORKS AND ENVIRONMENTAL CONTROL AS PER ORIGINAL APPLICATION
 - CONSTRUCTION OF SHEDS 1 TO 12
- STAGE 2:
- SUBJECT TO CONCURRENCE BY THE SECRETARY DPIE
 - CONSTRUCTION OF SHEDS 13 TO 20

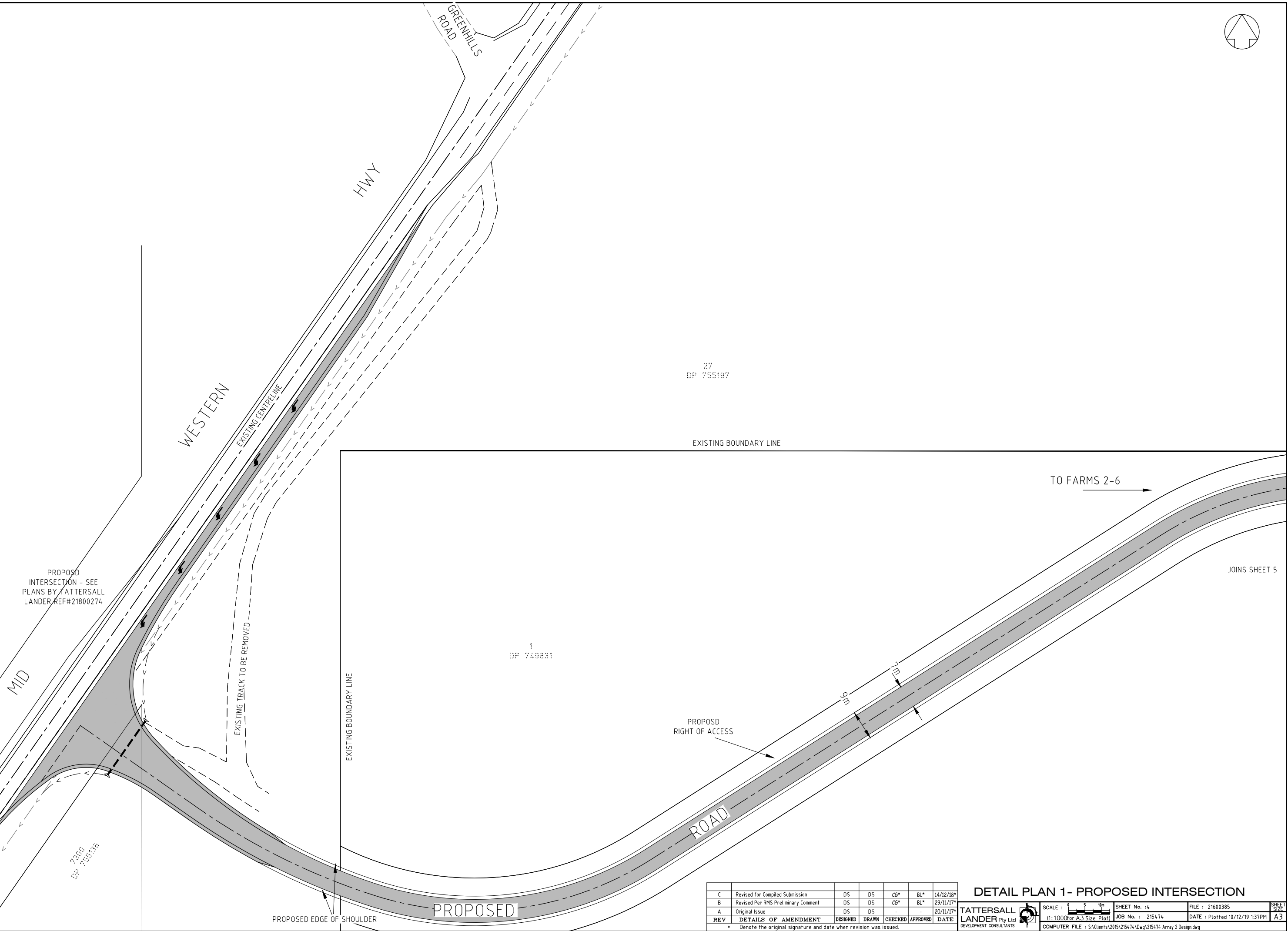
F	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
E	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
D	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/17*
C	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
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SCALE : 1:6000 (for A3 Size Plot)

SHEET No. : 3	FILE : 21600085	SHEET SIZE : A3
JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 2 Design.dwg		

FARM 2 OVERALL



C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Revised Per RMS Preliminary Comment	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	20/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

DETAIL PLAN 1- PROPOSED INTERSECTION



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SCALE :  (1:1000 for A3 Size Plot)

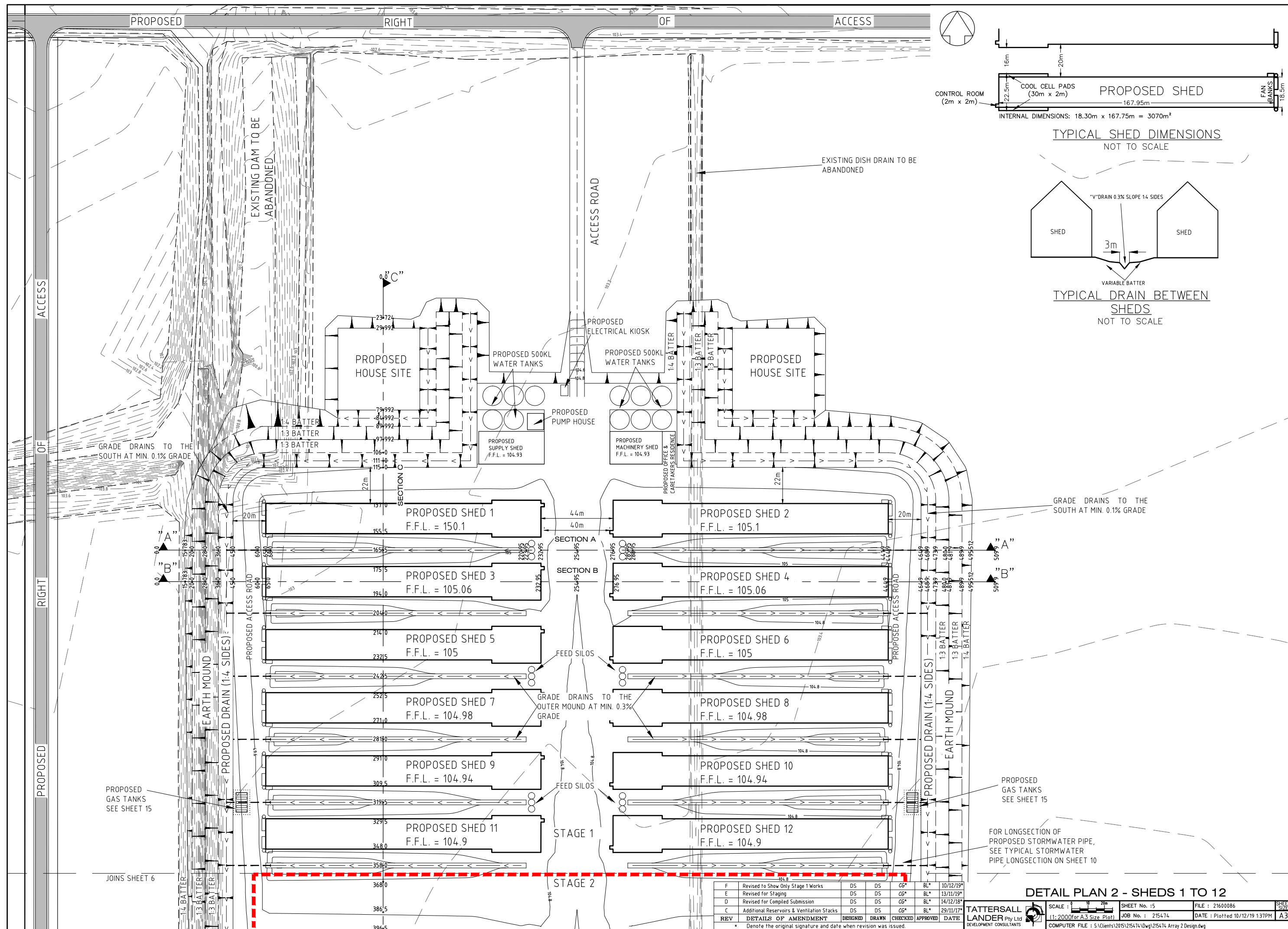
SHEET No. : 4

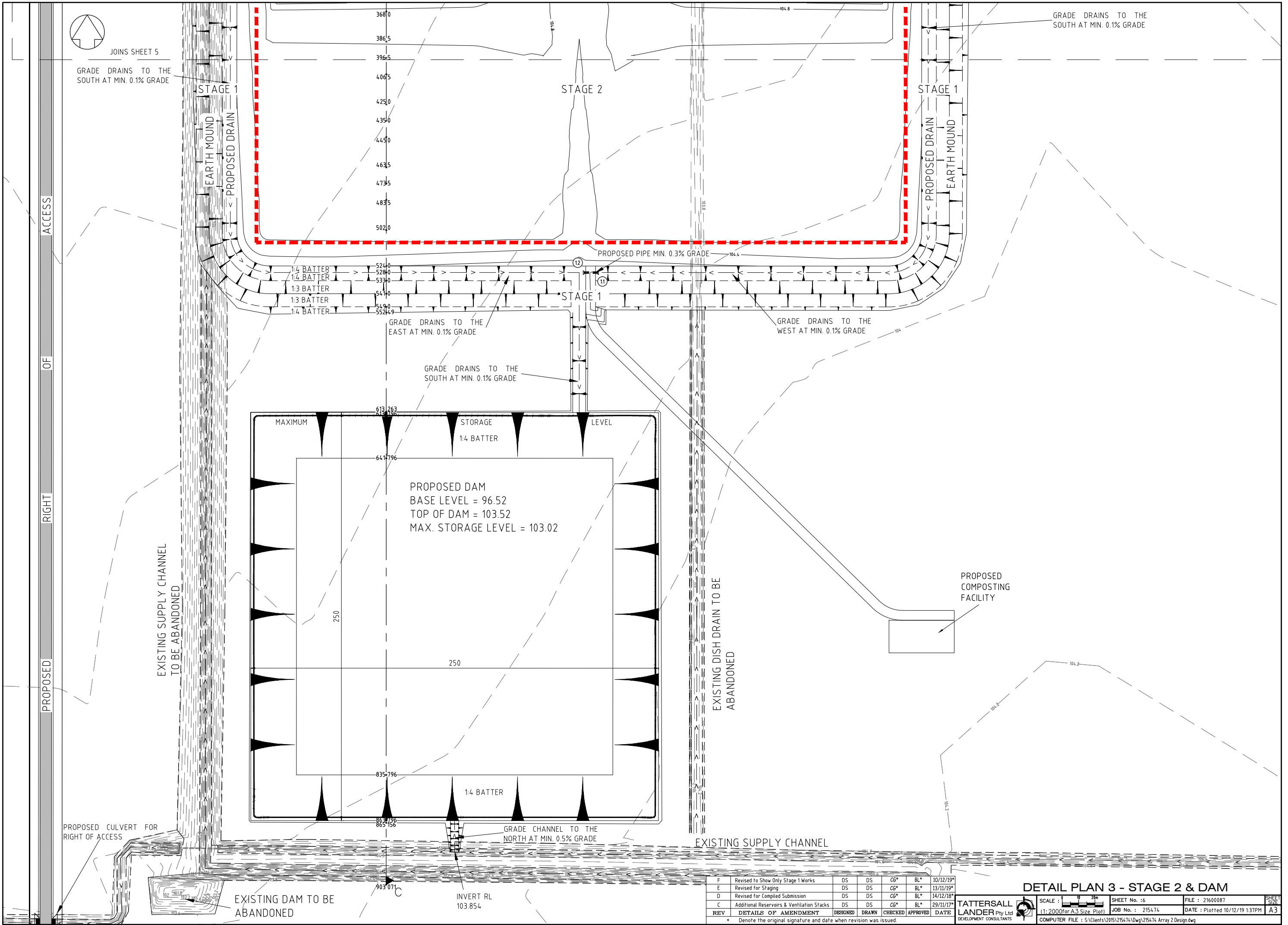
FILE : 21600385

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg

DATE : Plotted 10/12/19 1:37PM

SHEET SIZE
A3





F	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
E	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
D	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
C	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
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DETAIL PLAN 3 - STAGE 2 & DAM

TATTERSALL LANDER
Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:2000 (for A3 Size Plot)

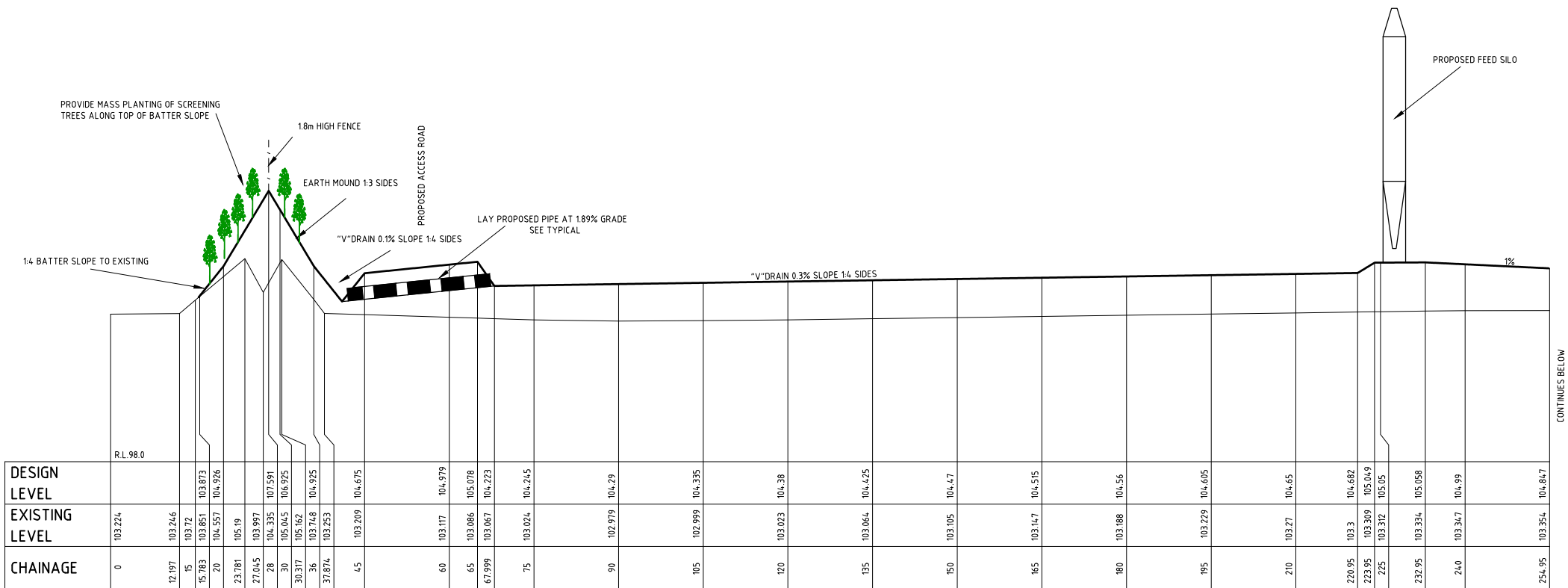
SHEET No. : 6

FILE : 21600087

DATE : 10/12/19 1:37PM

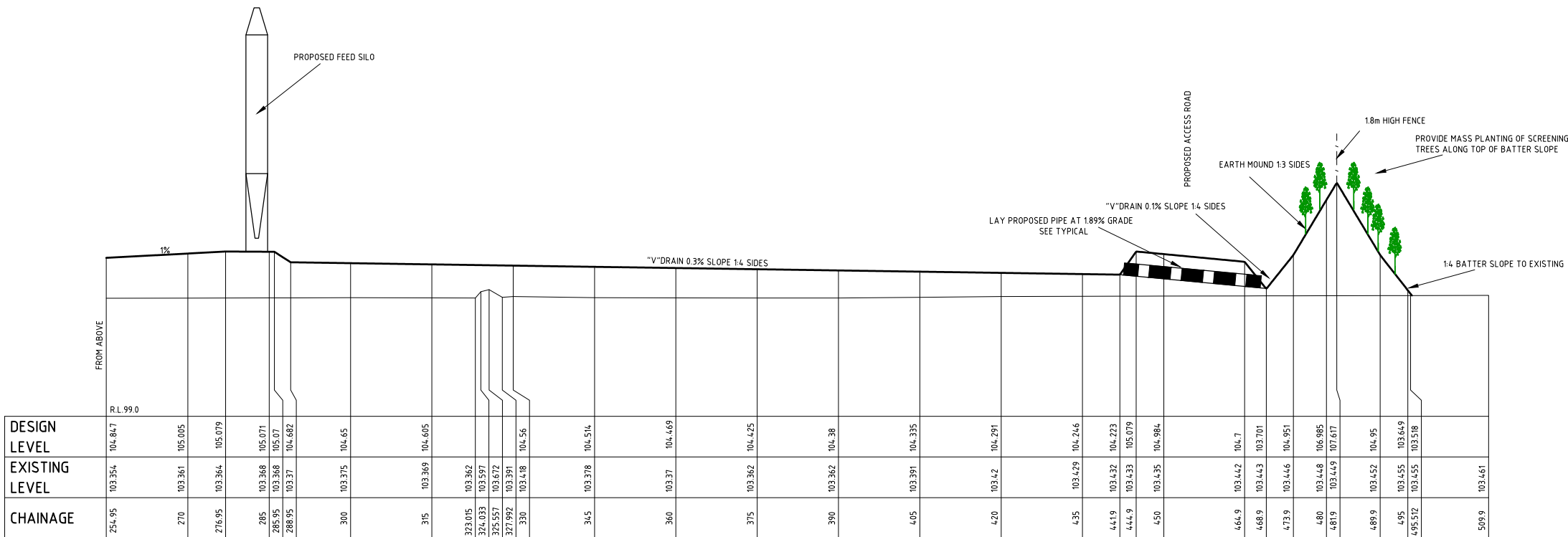
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg



SECTION A

H=1:1000 V=1:200



SECTION A

H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Feed Silos Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	14/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

SITE CROSS SECTION- FARM 2 SECTION A

TATTERSALL LANDER Pty Ltd

REVELOPMENT CONSULTANTS

SCALE : AS SHOWN

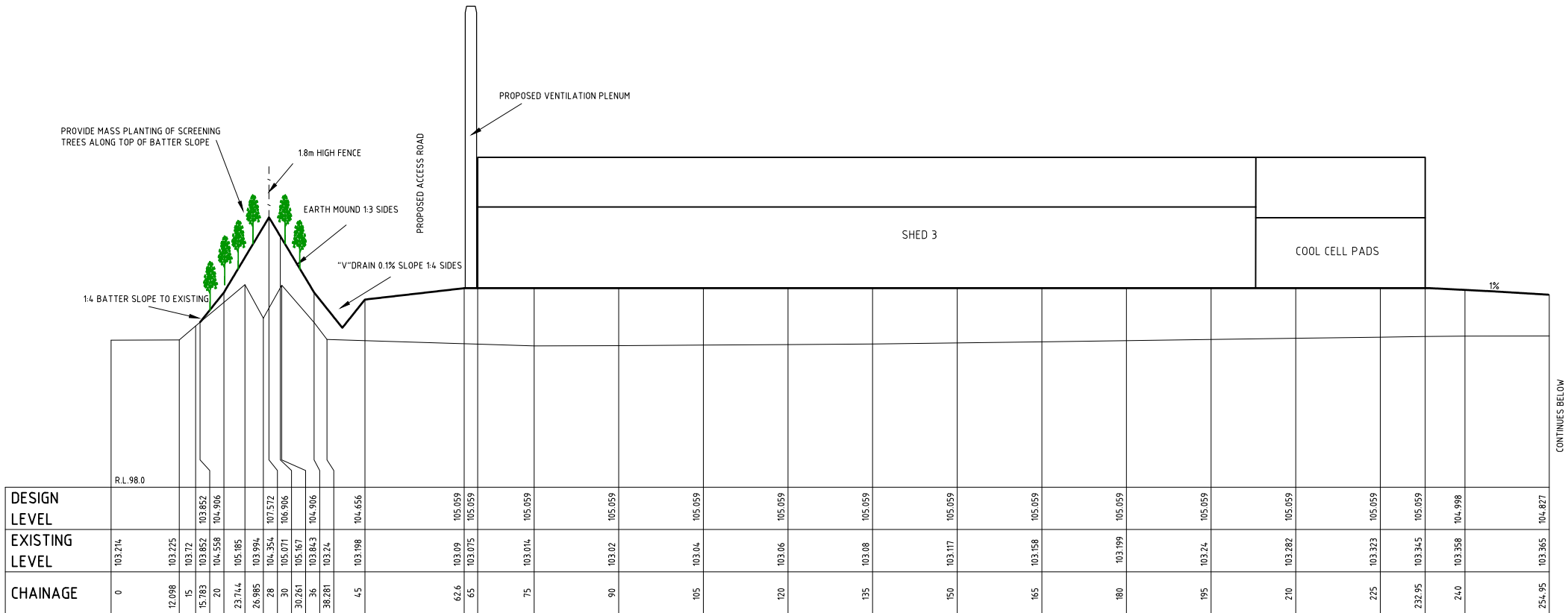
SHEET No. :7

JOB No. : 215474

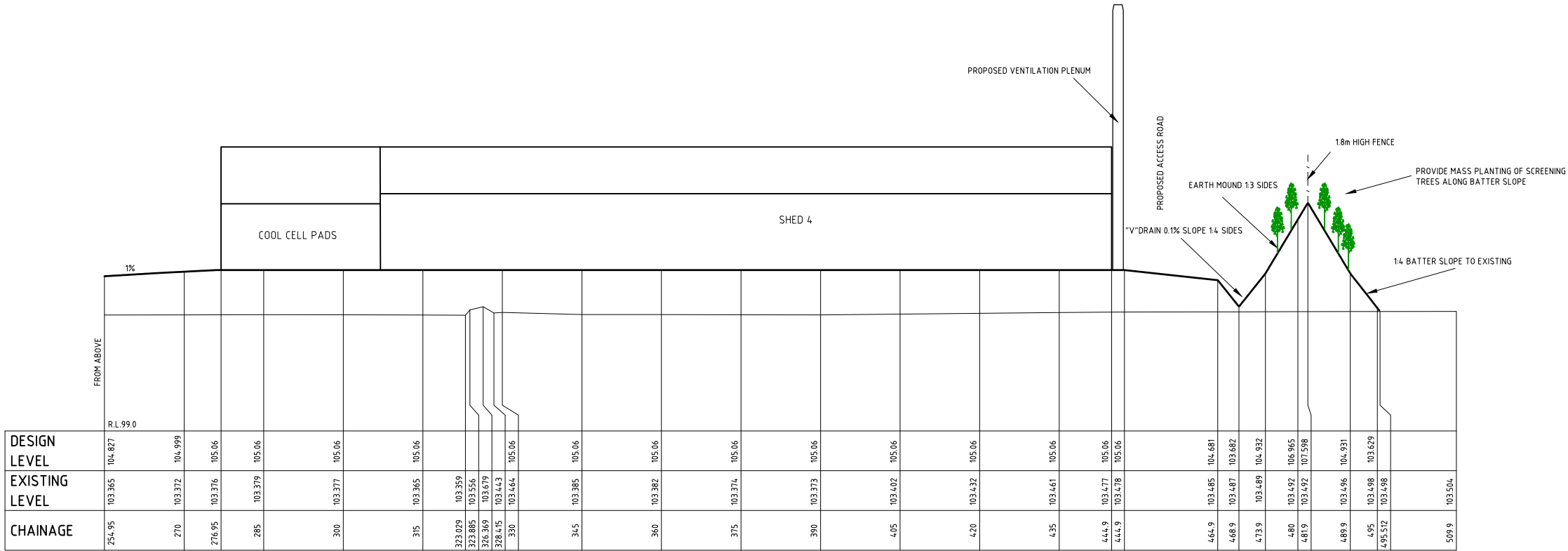
DATE : Plotted 10/12/19 1:37PM

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg

SHEET SIZE A3



SECTION B
H=1:1000 V=1:200



SECTION B
H=1:1000 V=1:200

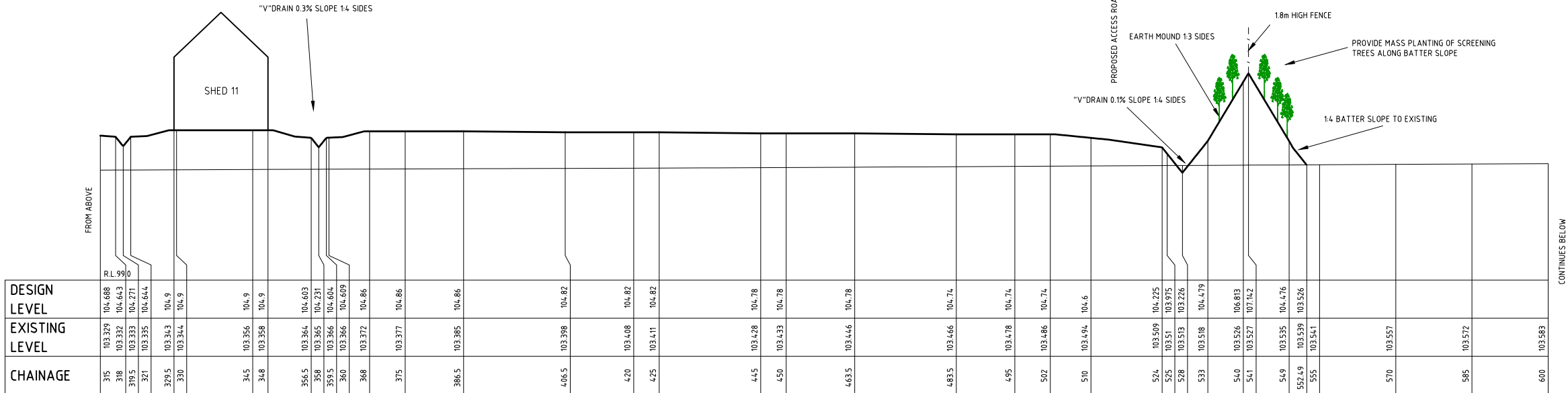
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stacks Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

SITE CROSS SECTION- FARM 2 SECTION B

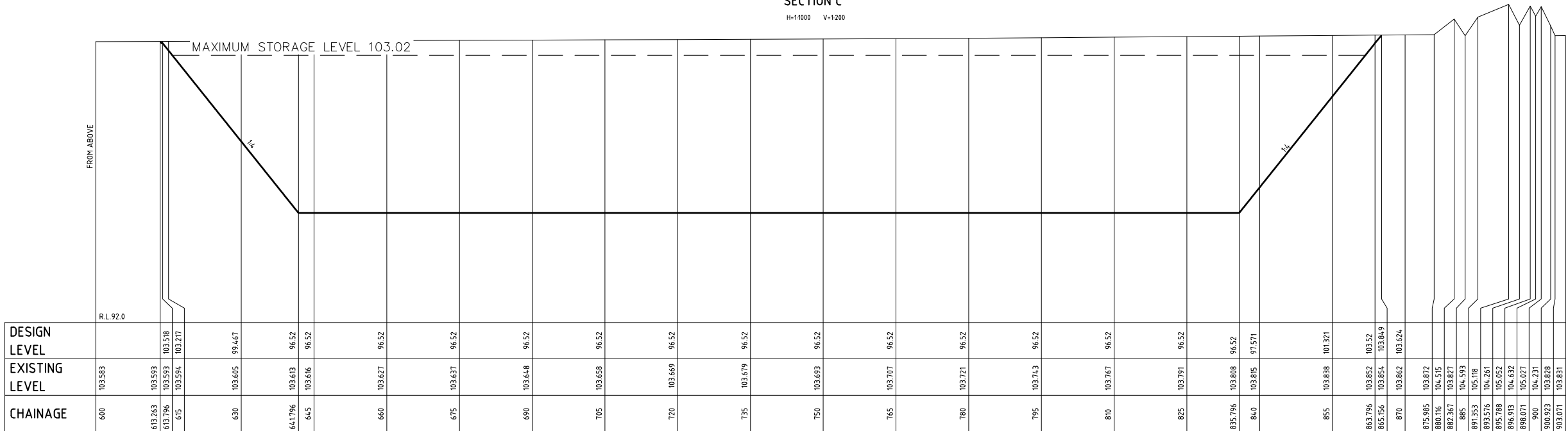
TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS		SCALE :	SHEET No. :8	FILE : 21600089	SHEET
		AS SHOWN	JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	SIZE
		COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 2 Design.dwg			



SECTION C
H=1:1000 V=1:200



SECTION C
H=1:1000 V=1:200



SECTION C
H=1:1000 V=1:200

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
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SITE CROSS SECTION- FARM 2 SECTION C

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LANDER Pty Ltd
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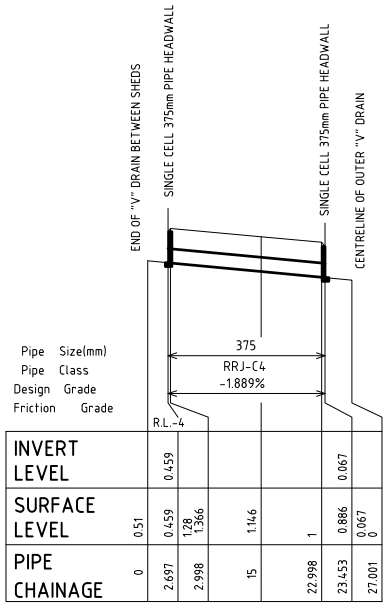


SCALE :
AS SHOWN

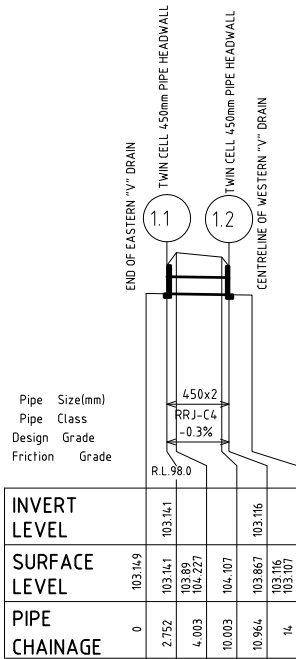
SHEET No. : 9
JOB No. : 215474
DATE : 29/11/17
DATE : Plotted 10/12/19 1:37PM

SHEET
SIZE
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg



TYPICAL STORMWATER PIPE FROM SHEDS TO OUTER DRAIN
H=1:1000 V=1:200

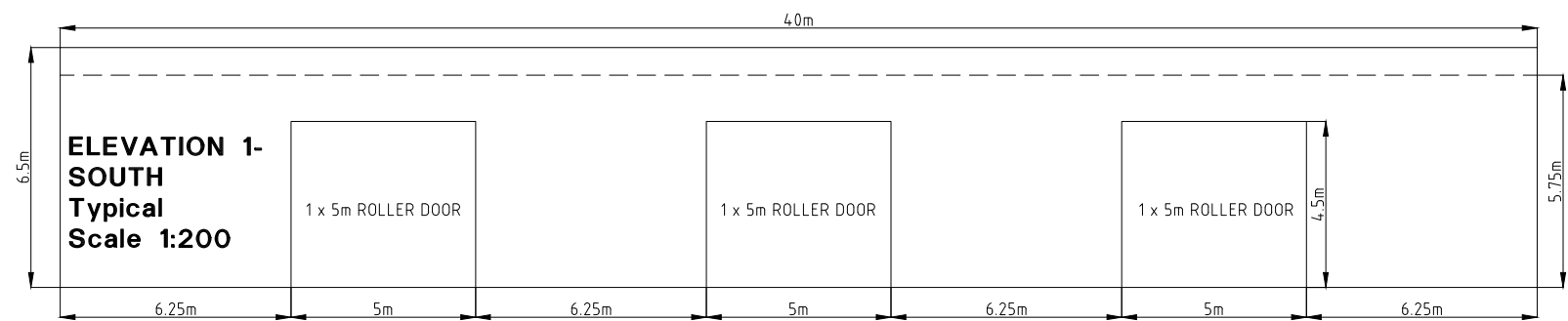
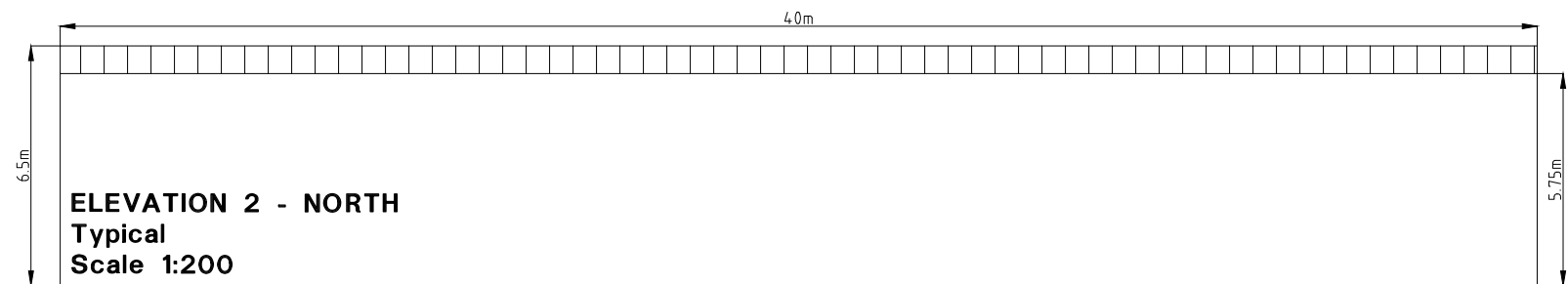
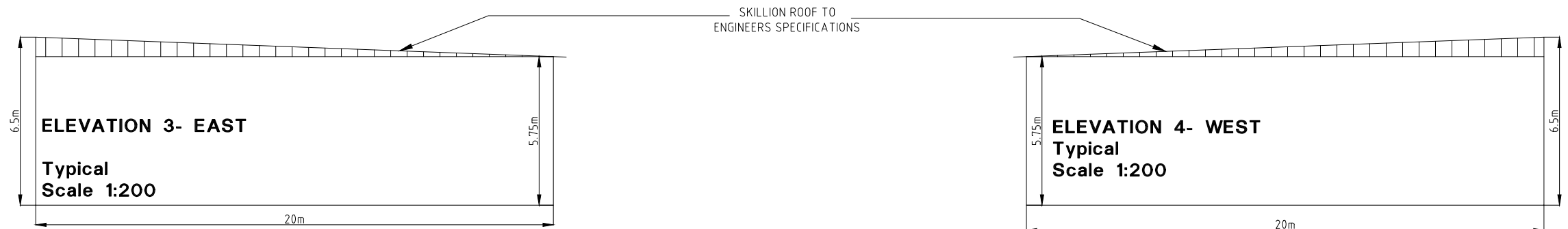


LINE.1
H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD, Optimised Pipe Sizing	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	31/10/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

STORMWATER LONGITUDINAL SECTIONS

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS		SCALE :	SHEET No. :10	FILE : 21600386	SHEET SIZE
		AS SHOWN	JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	A3
		COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 2 Design.dwg			



ELEVATION 2
↓
40m

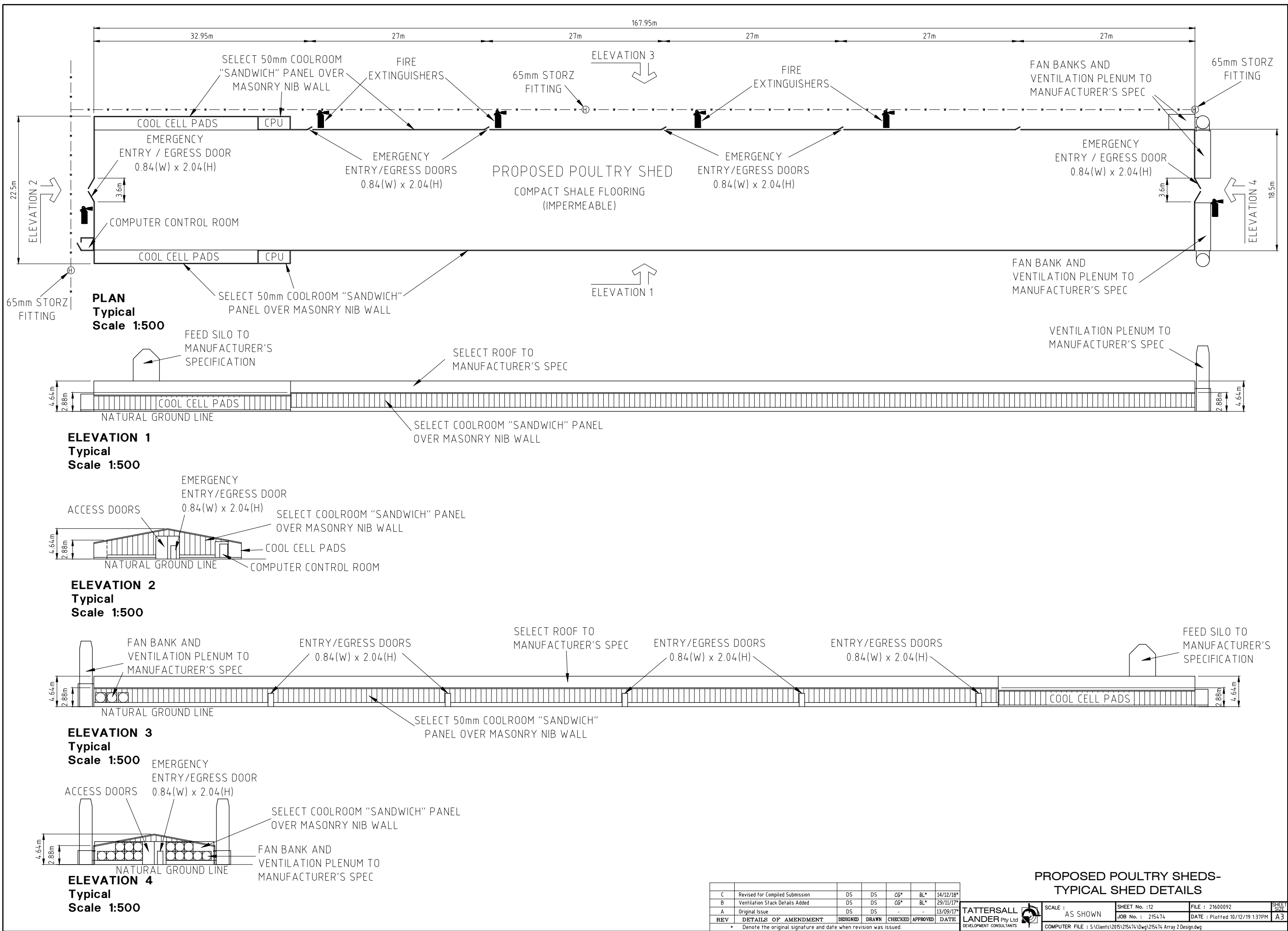


B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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DEVELOPMENT CONSULTANTS



SCALE :	SHEET No. :11	FILE : 21600091	SHEET SIZE
AS SHOWN	JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	A3
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 2 Design.dwg			

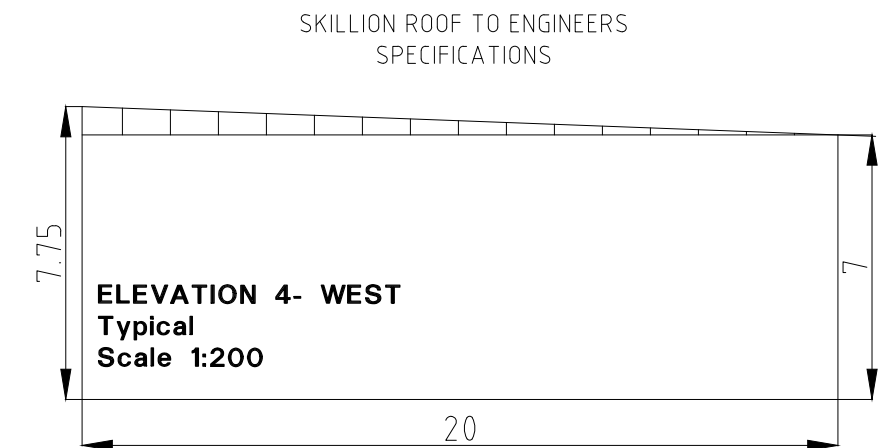
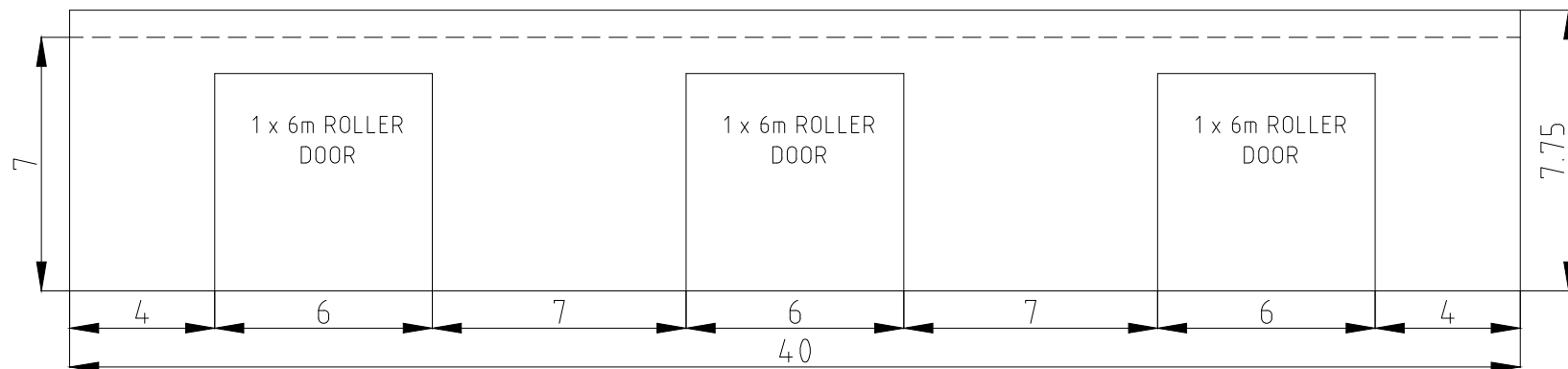
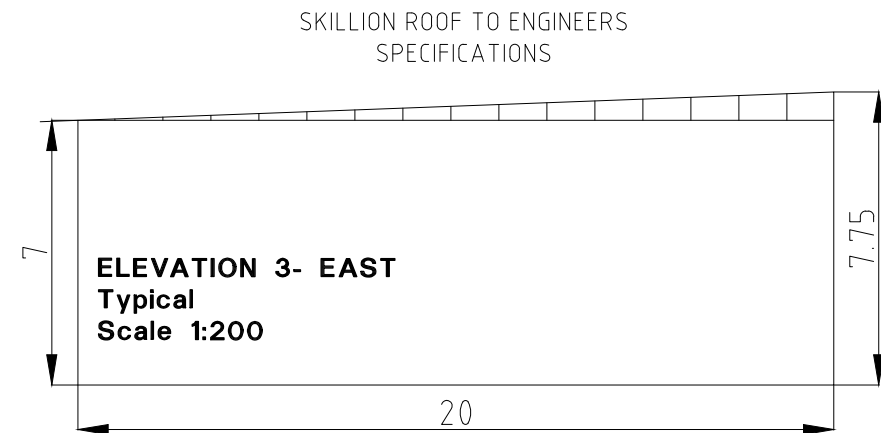
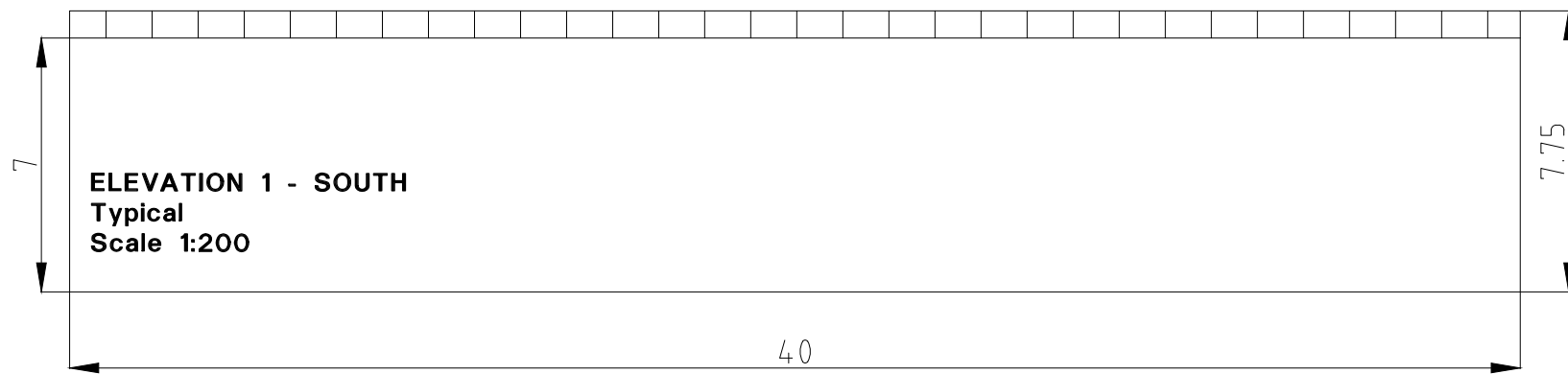


PROPOSED POULTRY SHEDS-
TYPICAL SHED DETAILS

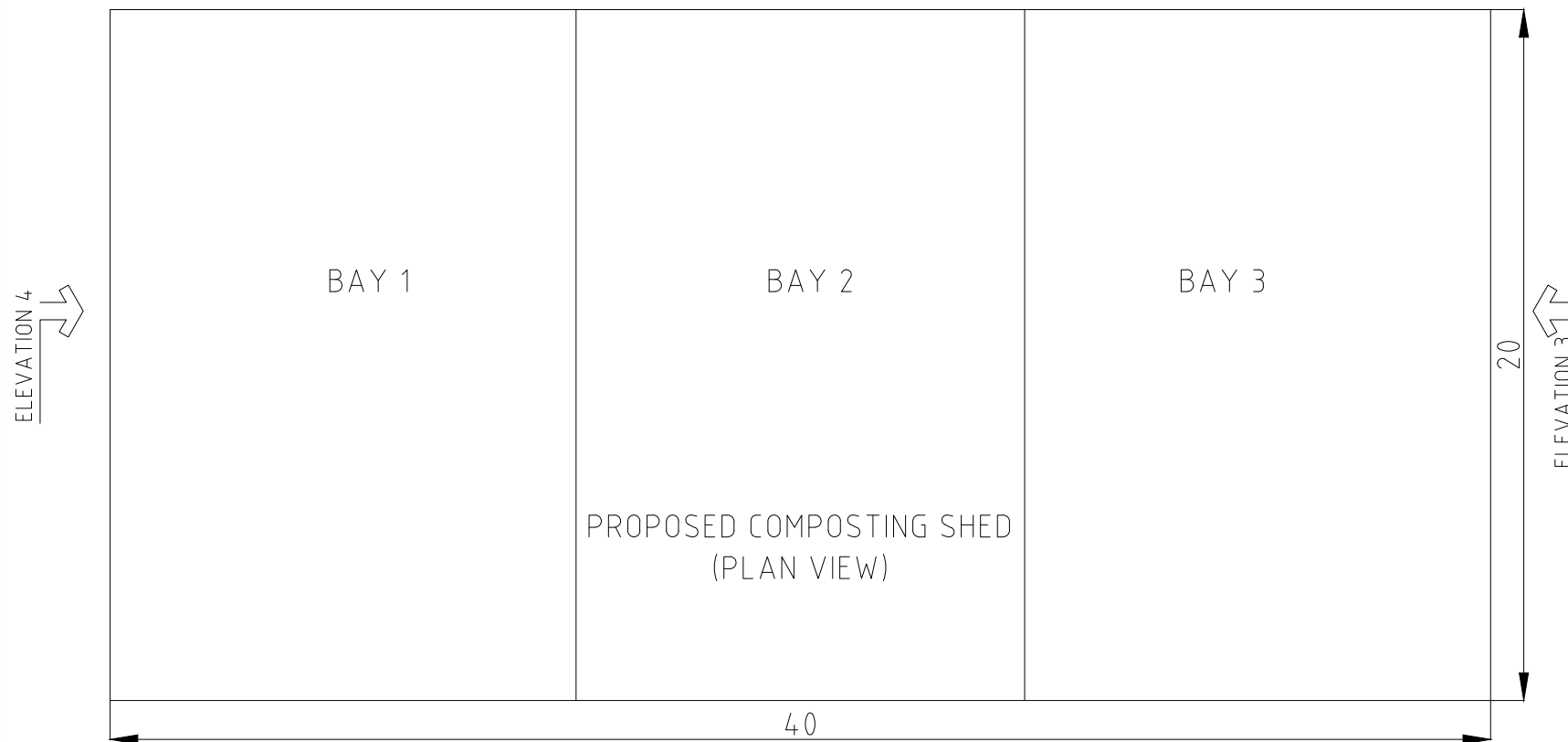
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stack Details Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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SCALE :	SHEET No. :12	FILE : 21600092	SHEET SIZE
AS SHOWN	JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	A3
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg			



ELEVATION 2
↓



PLAN
Typical
Scale 1:200

ELEVATION 1
↑

ELEVATION 3
→

ELEVATION 4
←

NOTE:
CLADDING TO BE COLOUR
BONDED METAL OF
NEUTRAL COLOUR

B	Revised for Compiled Submission	DS	DS	CG*	CG*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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LANDER** Pty Ltd
DEVELOPMENT CONSULTANTS

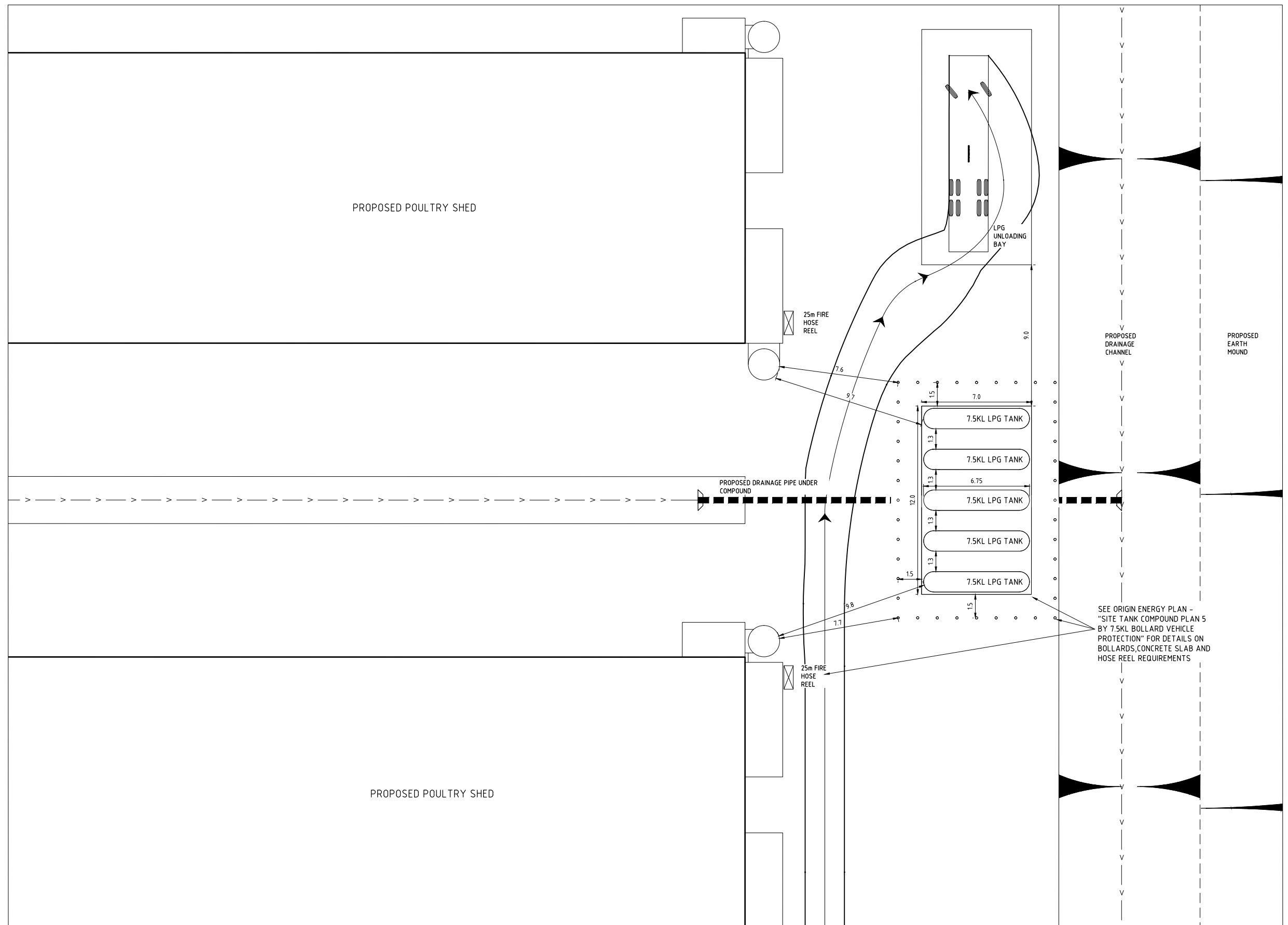


SCALE :
AS SHOWN

SHEET No. :13	FILE : 21600439	SHEET SIZE
JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	A3

**PROPOSED COMPOSTING
SHED - TYPICAL SHED DETAILS**

COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 2 Design.dwg



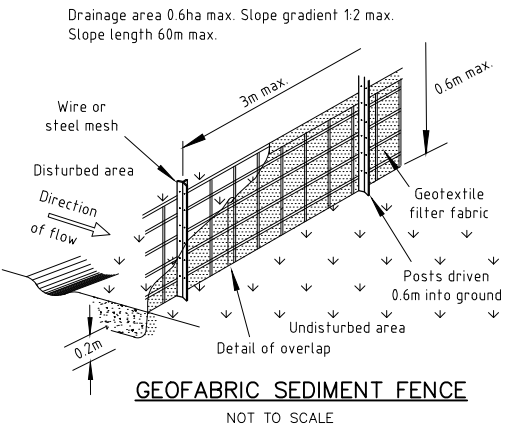
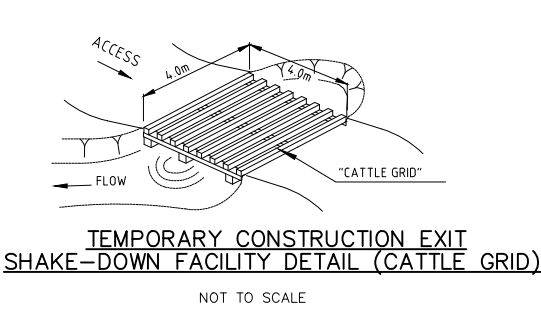
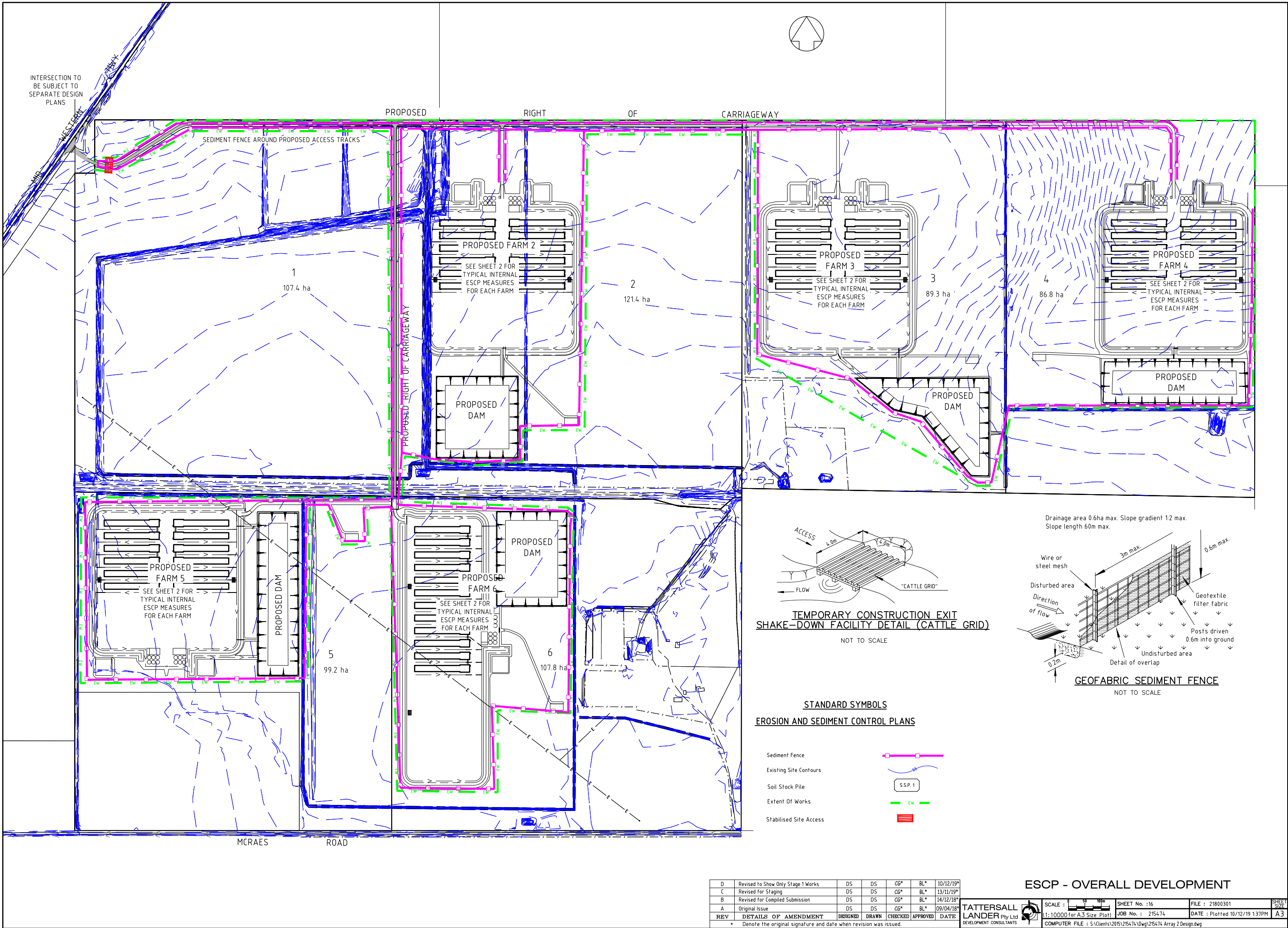
DETAIL A - LPG TANK COMPOUND SITING
(1:250 @ A3)

B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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DEVELOPMENT CONSULTANTS

LPG COMPOUND SITING

SCALE : 1:6000 (for A3 Size Plot)	SHEET No. : 15	FILE : 21800300	SHEET SIZE
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 2 Design.dwg	JOB No. : 215474	DATE : Plotted 10/12/19 1:37PM	A3



STANDARD SYMBOLS
EROSION AND SEDIMENT CONTROL PLANS

- Sediment Fence
- Existing Site Contours
- Soil Stock Pile
- Extent Of Works
- Stabilised Site Access

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

ESCP - OVERALL DEVELOPMENT

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:10000 (for A3 Size Plot)

SHEET No. : 16

JOB No. : 215474

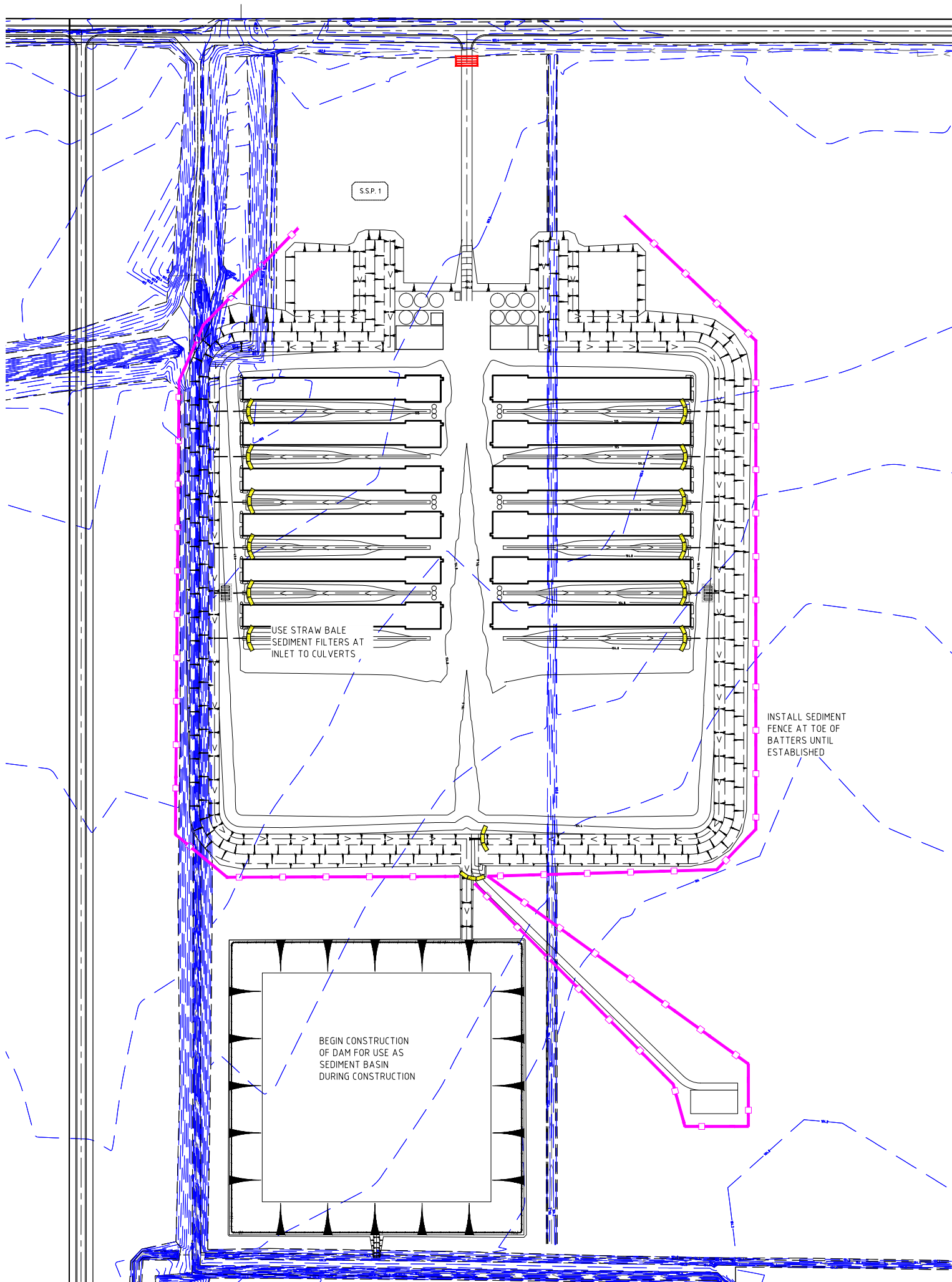
DATE : Plotted 10/12/19 1:37PM

FILE : 21800301

DATE : 10/12/19 1:37PM

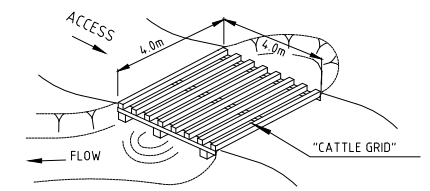
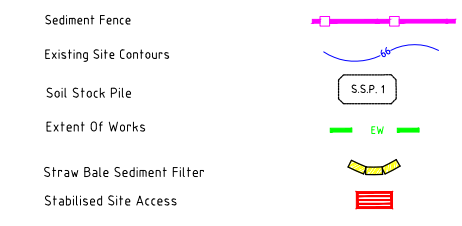
COMPUTER FILE : S:\Clients\2015\215474\DWG\215474 Array 2 Design.dwg

SHEET SIZE
A3



STANDARD SYMBOLS

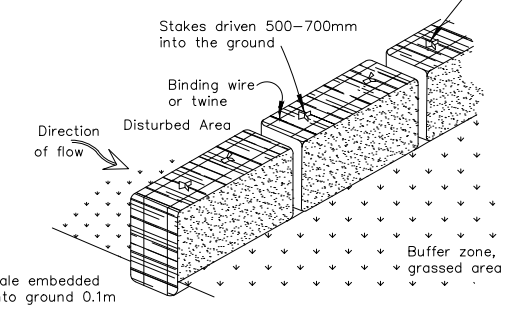
EROSION AND SEDIMENT CONTROL PLANS



TEMPORARY CONSTRUCTION EXIT SHAKE-DOWN FACILITY DETAIL (CATTLE GRID)

NOT TO SCALE

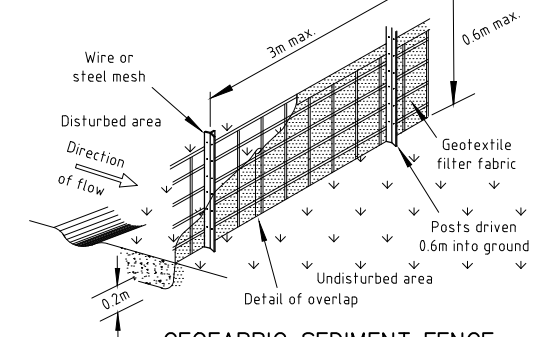
Drainage area 0.4 ha max. Slope gradient 1:2 max. Slope length 40m max.



STRAW BALE SEDIMENT FILTER

NOT TO SCALE

Drainage area 0.6ha max. Slope gradient 1:2 max. Slope length 60m max.



GEOFABRIC SEDIMENT FENCE

NOT TO SCALE

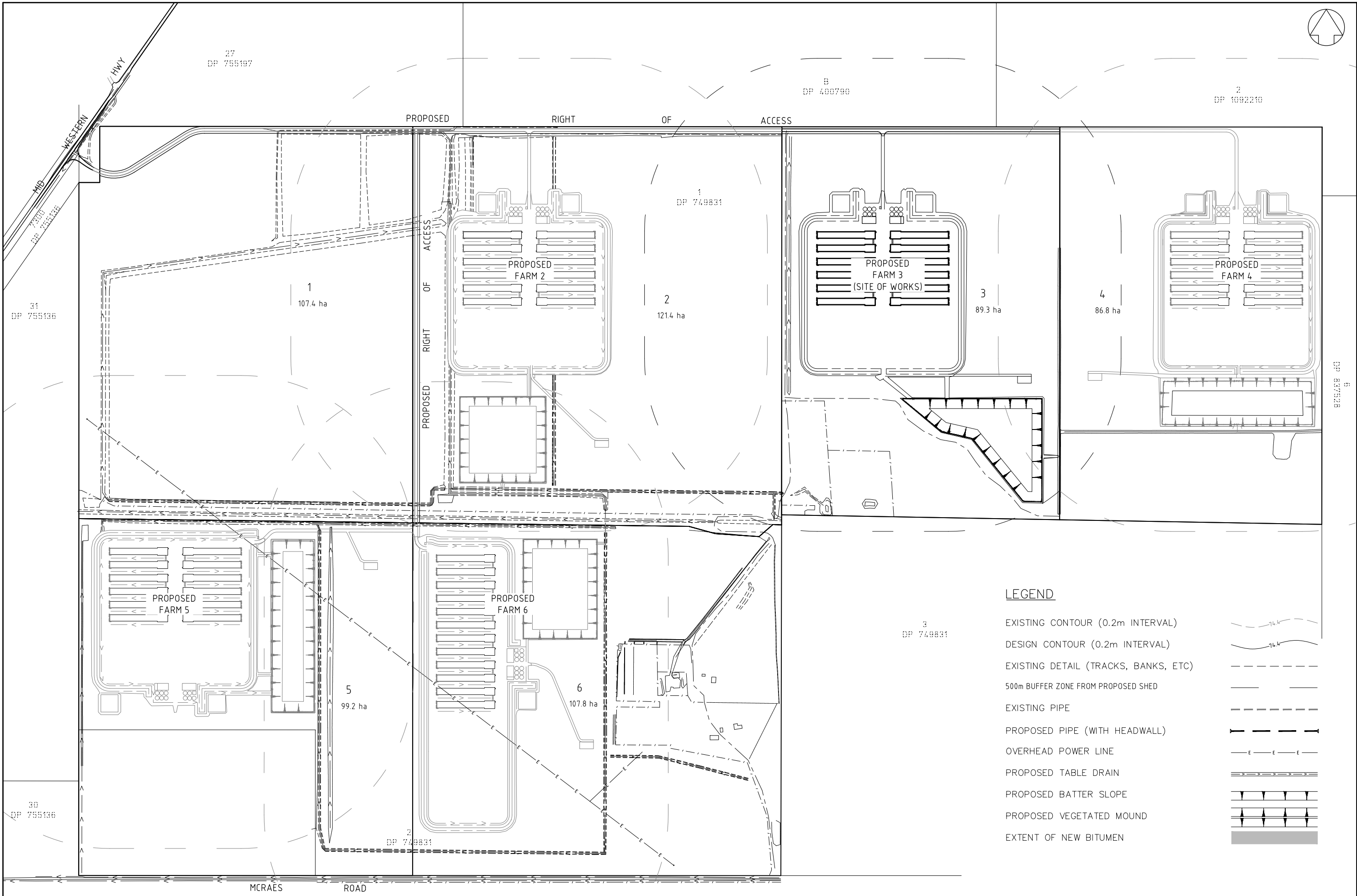
SOIL & WATER MANAGEMENT NOTES

- This plan is to be read in conjunction with other engineering plans and any written instructions that may be issued.
- The contractor shall implement all soil erosion and sediment control measures prior to disturbance of the related catchment area and to the satisfaction of the Superintendent. This includes establishing temporary construction sediment basin in location of final dam formation.
- The location of "silt" fences, barrier fences, sediment traps, basins and other devices are indicative only and final locations are to be decided on site. Variations will be permitted to best suit the circumstances.
- Cleared vegetation must be disposed of by :-
 - chipping or mulching for future landscaping and usage, or
 - transport to an approved landfill facility.
- Temporary crossbanks (bunds constructed with earth, straw bales or sandbags), shall be constructed during roadworks to limit slope length, where possible, to 80 metres. These shall be constructed immediately prior to forecast rain and during temporary closure of the site, including weekends.
- Temporary rehabilitation should be undertaken on disturbed areas where works have stopped and soils are expected to remain exposed for two months.
- Sediment barriers (e.g. sandbags or straw bales) should be located upstream of stormwater inlet pits prior to the road surface being paved and lands upslope being rehabilitated.
- At the conclusion of each day sand bags are to be placed at the end of completed sections of road pavement to prevent scouring.
- The contractor will inspect all erosion and pollution control works at least weekly and following every rainfall event greater than 5mm, providing particular attention to the following matters :
 - Ensure drains operate effectively and initiate repair as required.
 - Remove spilled sand (or other materials) from hazard areas, including lands closer than 5 metres from likely areas of concentrated or high velocity flows such as waterways and paved areas.
 - Ensure rehabilitated lands have effectively reduced the erosion hazard and initiate upgrading or repair as appropriate.
 - Construct additional erosion and/or sediment control works as might become necessary to ensure the desired protection is given to downslope lands and waterways, i.e., make ongoing changes to the plan.
 - Maintain erosion and sediment control measures in a functioning condition until all earthwork activities are completed and the site is rehabilitated.
 - Remove temporary soil conservation structures as a last activity in the rehabilitation program.
- Utilise a single access only to the stock pile sites.
- Do not taint clean catchment water with silt from the works.
- Drop inlets which do not outlet to silt traps shall be blocked until all works are completed.
- Rehabilitate the site as soon as possible after the completion of construction activities and within 10 working days. Lands where works are not to continue for more than 20 working days must be rehabilitated. Such rehabilitation shall involve the spraying of a straw-bitumen mulch to the disturbed lands or equivalent.
- Access areas limited to a maximum width of 10 (preferably 5) metres.
- All positions shown are approximate and are best determined on site in conjunction with the superintendent.
- Conformity with this plan shall in no way reduce the responsibility of the Contractor to protect against water damage during the course of the contract.
- Topsoil and spoil shall be stockpiled in non-hazard areas and protected from surface run-off by diversion drains or similar. Stockpiles shall be surrounded on downstream sides by silt fencing. Stockpiles shall be suitably compacted to inhibit erosion. Where the stockpiling period exceeds four (4) weeks, the stockpile shall be seeded to encourage vegetation growth.
- Topsoil shall be respread and stabilised as soon as possible. Disturbed areas shall be left with a scarified surface to encourage water infiltration and assist keying in topsoil.
- The contractor shall provide a turf strip behind all kerb and gutter at completion of footpath formation.
- The contractor shall maintain grass cover until all works have been completed including the maintenance period, by frequent watering and mowing where required.
- All drainage works shall be constructed and stabilised as quickly as possible to minimise risk of erosion.
- Vehicular traffic shall be controlled during construction confining access where possible to proposed or existing road alignments plus 3 metres. Areas to be left undisturbed shall be marked off.
- Site access shall be restricted to a nominated point. The construction of a shake-down area will be required at the entry to the site.
- Facilities and/or equipment must be provided for the application of water to disturbed areas to minimise the generation of airborne dust from any area disturbed by construction activities.
- Material removed from sediment control structures must be disposed of in a way that does not pollute waters or bushland.
- Waste disposal containers must be provided on site for the collection and disposal of all industrial and domestic type wastes generated on site.
- Concrete wastes or washings from any concrete mixture or deliveries must not be deposited in any location where they can flow or be washed into waters.
- Runoff from vehicle, construction plant or mobile plant maintenance and cleaning areas must be contained, collected and disposed of in a manner to prevent entry into any waters, including sediment retention ponds.
- Fuelling of vehicles and construction plant must be carried out with an operator or driver present, and in a way that prevents any spillage occurring.

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

FARM 2 ESCP

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : 1:4000 (for A3 Size Plot)	SHEET No. : 17	FILE : 21800302	SHEET SIZE : A3
		JOB No. : 215474	DATE : Plotted 10/12/19 13:37PM	
		COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 2 Design.dwg		



LEGEND

- EXISTING CONTOUR (0.2m INTERVAL)
- DESIGN CONTOUR (0.2m INTERVAL)
- EXISTING DETAIL (TRACKS, BANKS, ETC)
- 500m BUFFER ZONE FROM PROPOSED SHED
- EXISTING PIPE
- PROPOSED PIPE (WITH HEADWALL)
- OVERHEAD POWER LINE
- PROPOSED TABLE DRAIN
- PROPOSED BATTER SLOPE
- PROPOSED VEGETATED MOUND
- EXTENT OF NEW BITUMEN

F	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
E	Revised For Staging	DS	DS	CG*	BL*	13/11/19
D	Revised for SEARS Compiled Submission	DS	DS	CG*	BL*	14/12/18*
C	Additional Reservoirs& Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

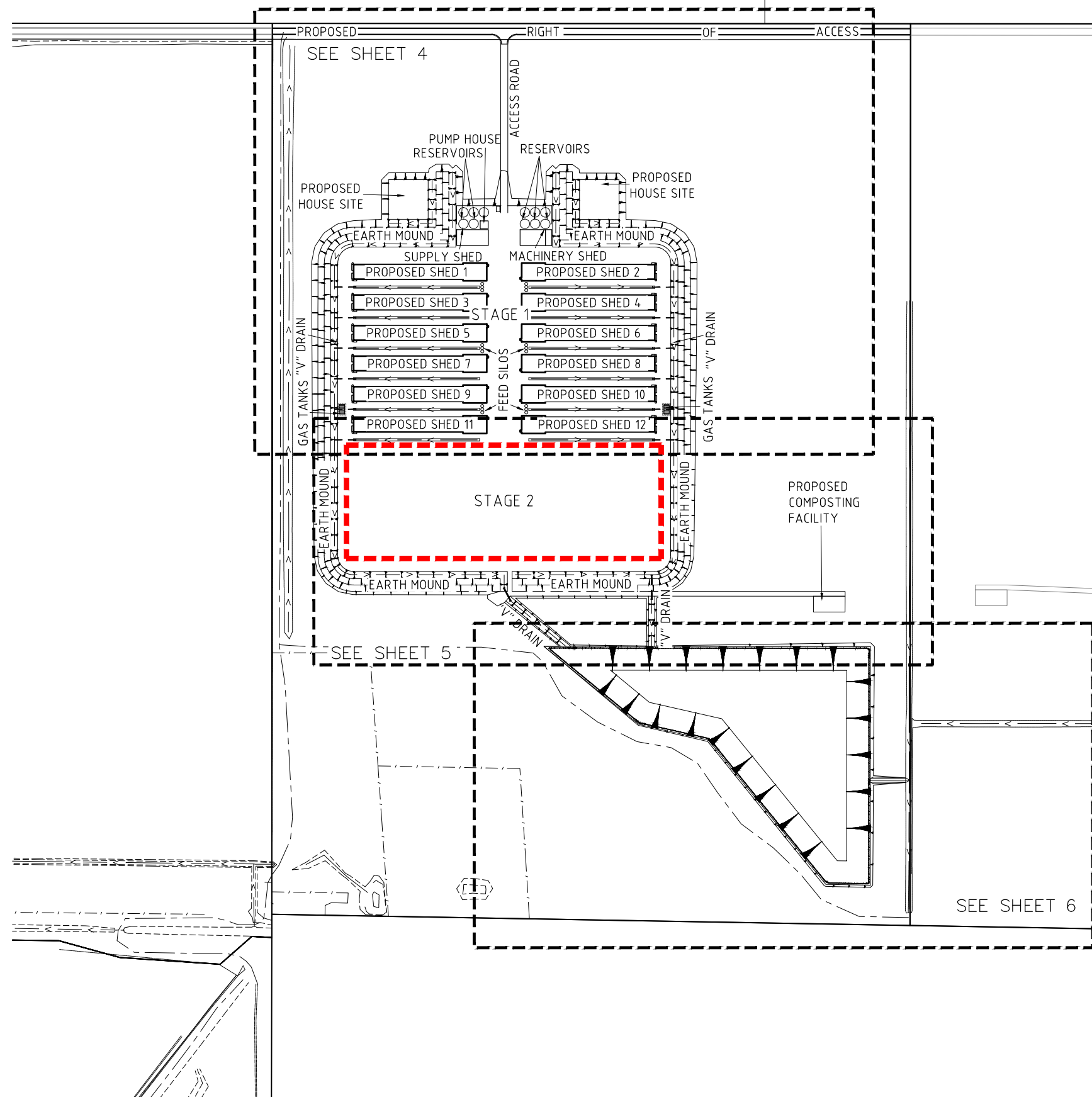
* Denote the original signature and date when revision was issued.

TATTERSALL LANDER PTY LTD
DEVELOPMENT CONSULTANTS
ENGINEERING, SURVEYING & PLANNING
2 Bourke St. P.O.Box 580
RAYMOND TERRACE 2324
Fax (02) 49871733 Phone (02) 49871500

PROPOSED POULTRY FARM
LOT 1 IN DP 749831
MID WESTERN HIGHWAY
GOOLGOWI

CLIENT: JAMES & CATHY MUSCAT JOB No.: 215474 COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 3 Design.dwg

COUNCIL CARRATHOOL	REFERENCE 21600120
PARISH WYCHEPROOF	SHEET SIZE A3
SCALE 1:10000	SHEET No. 2
DATE :	Plotted 10/12/19 1:32PM



- STAGE 1:
- ALL EARTHWORKS AND ENVIRONMENTAL CONTROL AS PER ORIGINAL APPLICATION
 - CONSTRUCTION OF SHEDS 1 TO 12
- STAGE 2:
- SUBJECT TO CONCURRENCE BY THE SECRETARY DPIE
 - CONSTRUCTION OF SHEDS 13 TO 20

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for SEARS Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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SCALE : 1:6000 (for A3 Size Plot)

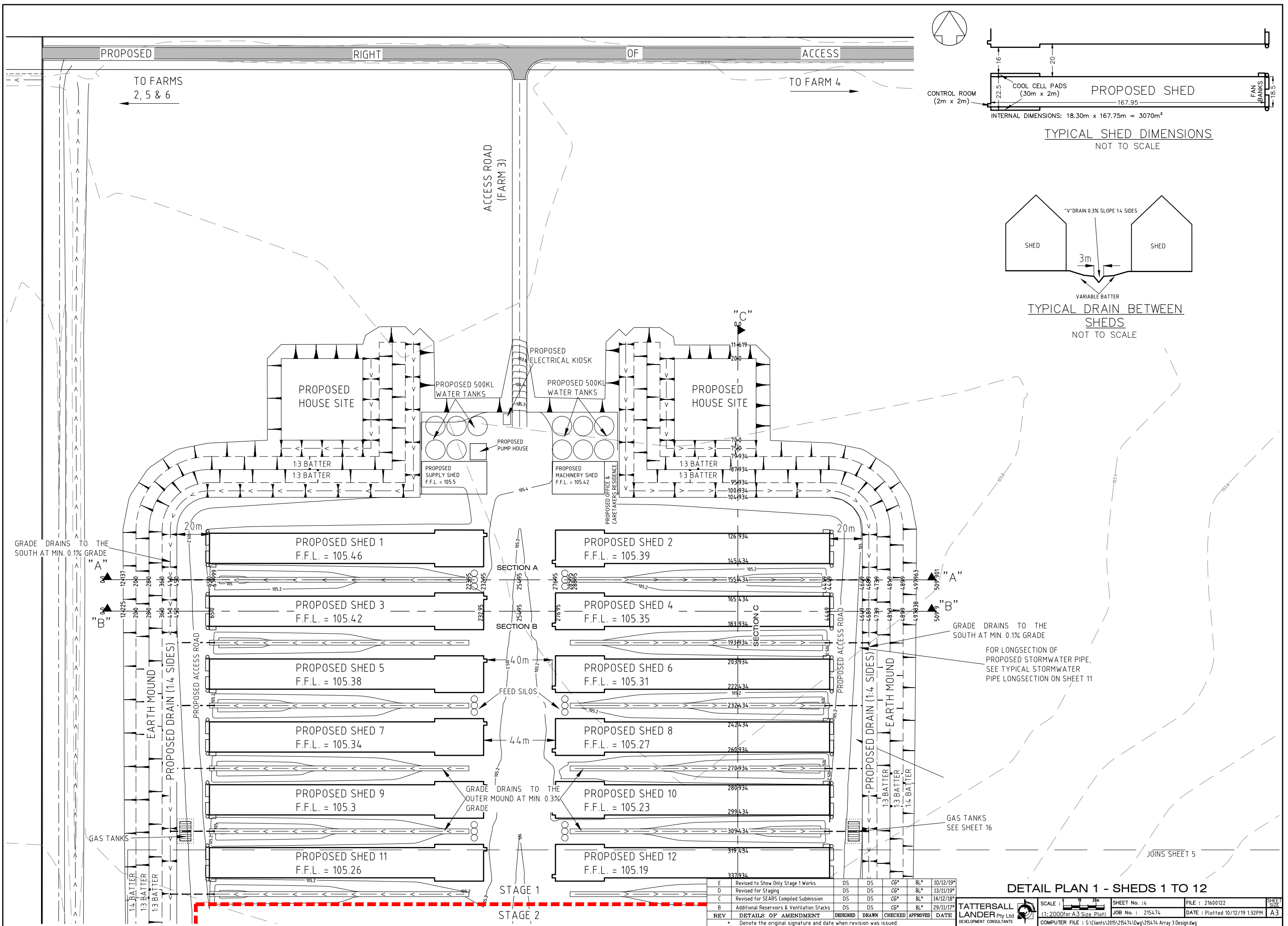
SHEET No. : 3
JOB No. : 215474

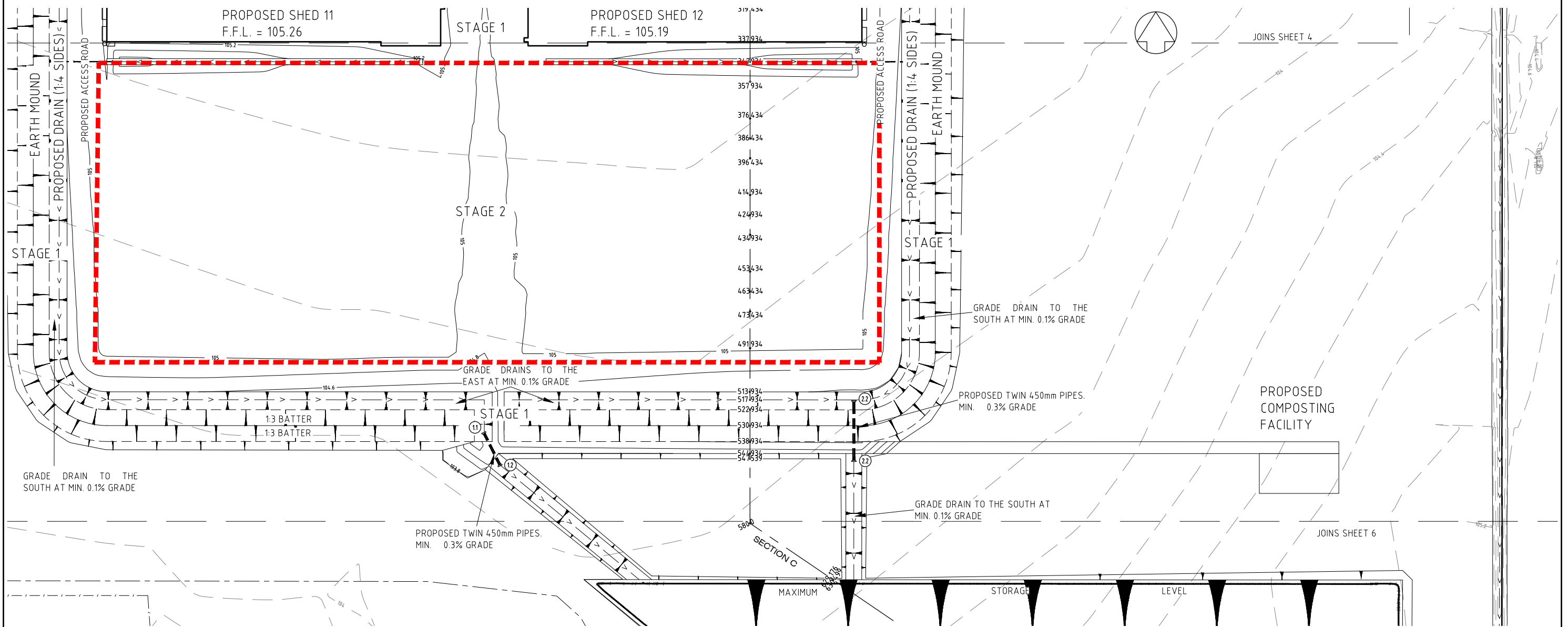
FILE : 21600121
DATE : Plotted 10/12/19 1:32PM

SHEET
SIZE
A3

FARM 3 OVERALL

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 3 Design.dwg

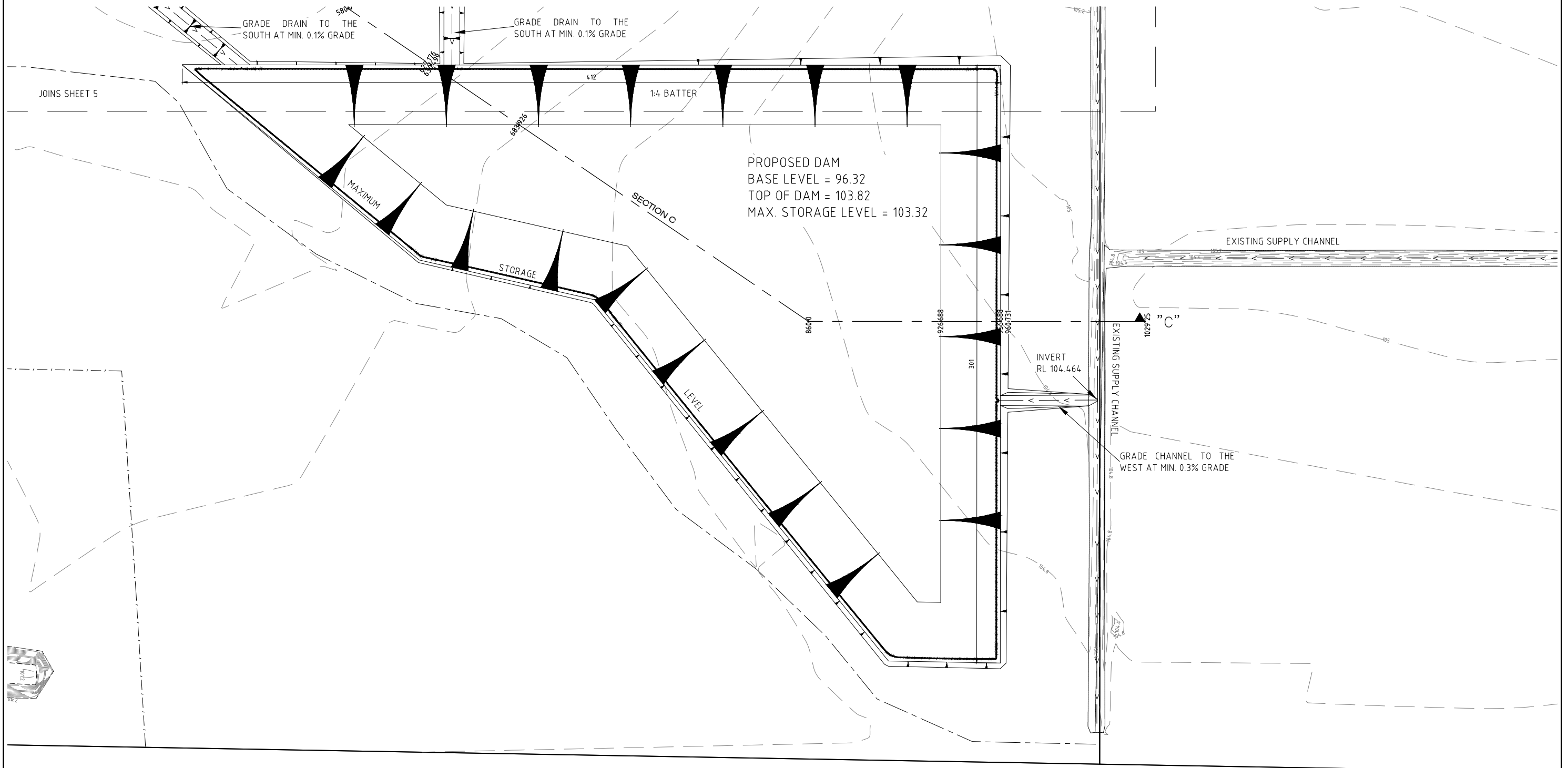




E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for SEARS Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

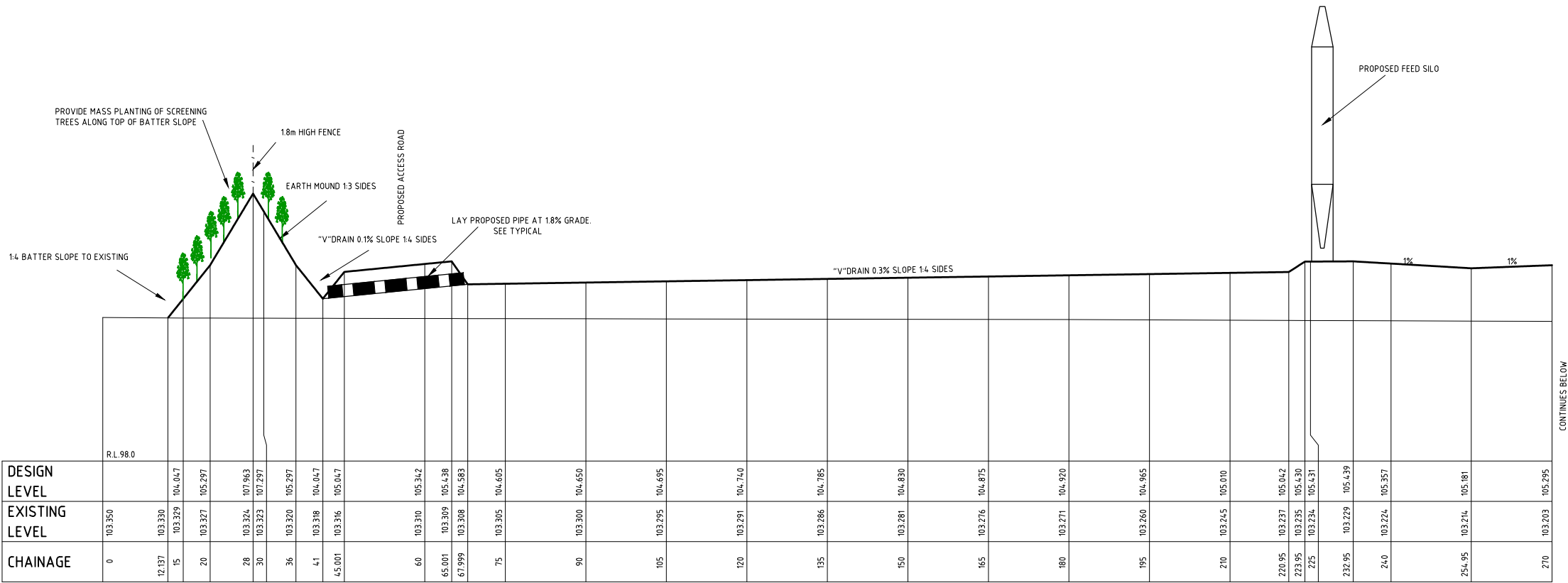
DETAIL PLAN 2 - STAGE 2

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS		SCALE : 	SHEET No. :5	FILE : 21600123	SHEET SIZE
		(1:2000 for A3 Size Plot)	JOB No. : 215474	DATE : Plotted 10/12/19 1:32PM	A3
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 3 Design.dwg					



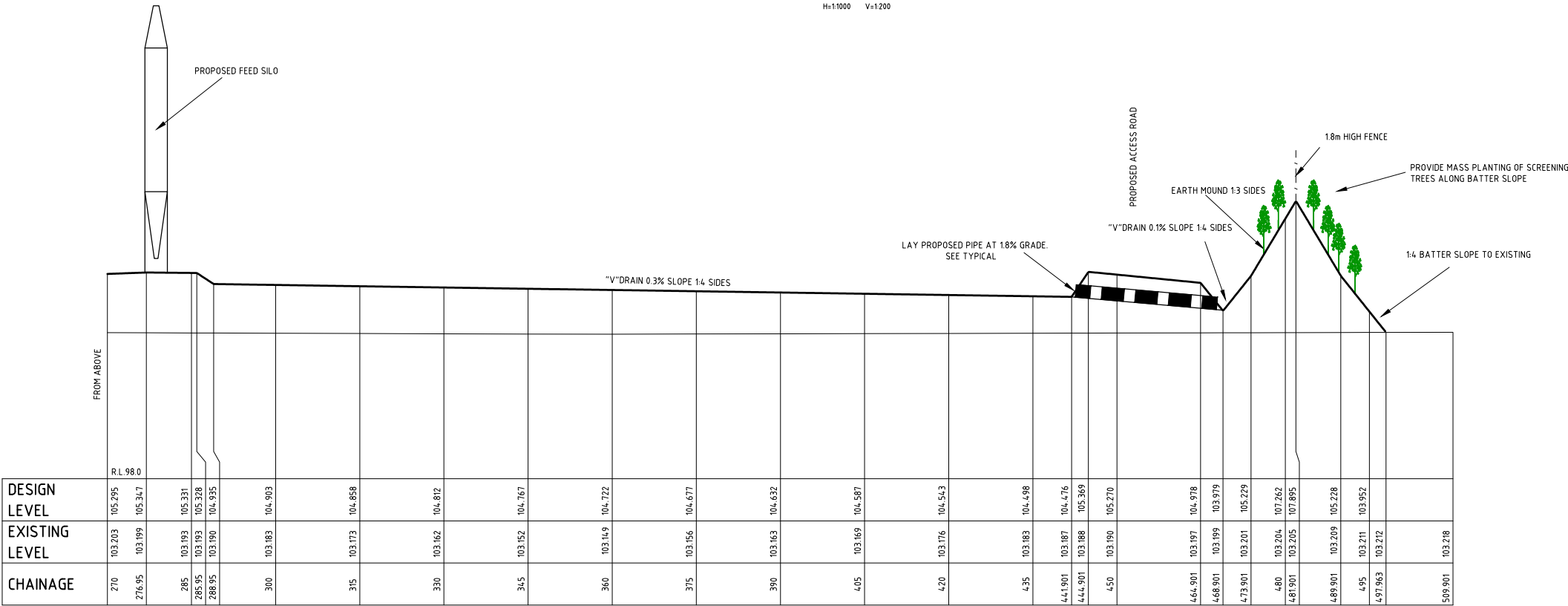
**TATTERSALL
LANDER** Pty Ltd
DEVELOPMENT CONSULTANTS

 SCALE: 1:2000 (for A3 Size Plot)	SHEET No. : 6	FILE : 21600124	SHEET SIZE A3
JOB No. : 215474		DATE : Plotted 10/12/19 1:32PM	
COMPUTER FILE : S:\Clients\2015\215474\Draw\215474 Array 3 Design.dwg			



SECTION A

H=1:1000 V=1:200



SECTION A

H=1:1000 V=1:200

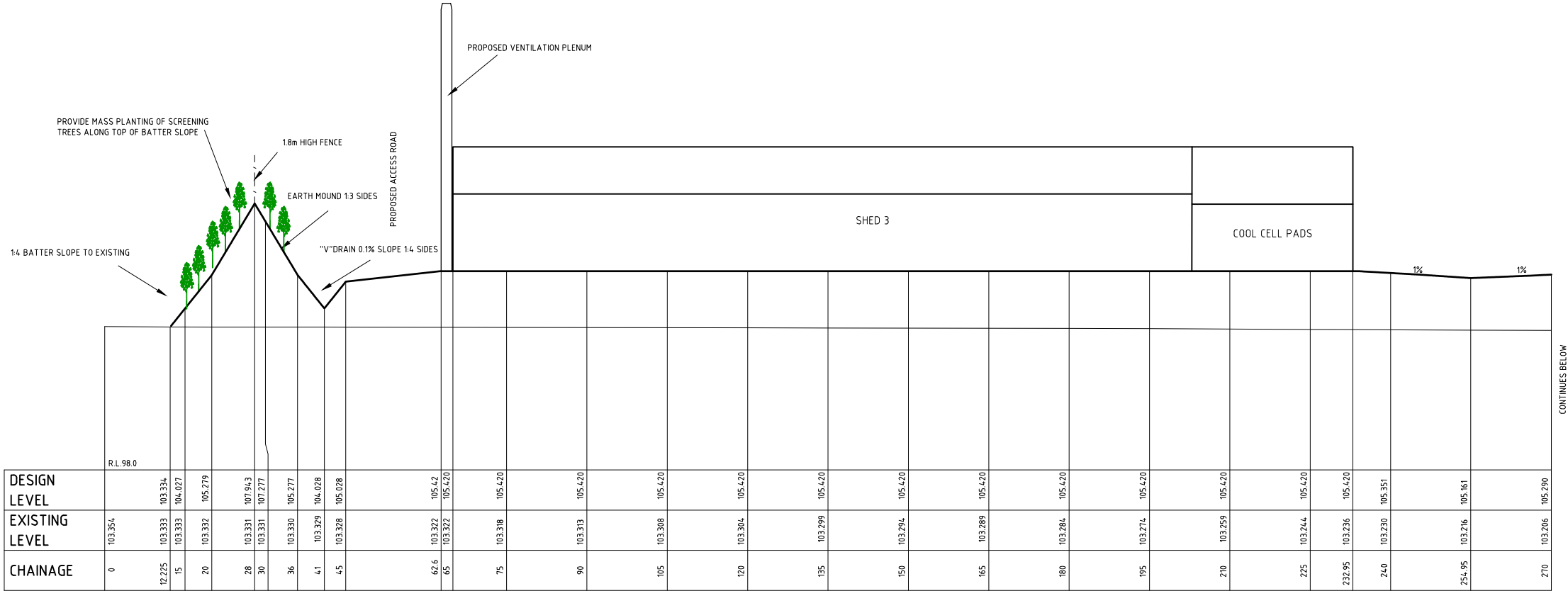
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Feed Silos Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	14/09/17*

* Denote the original signature and date when revision was issued.

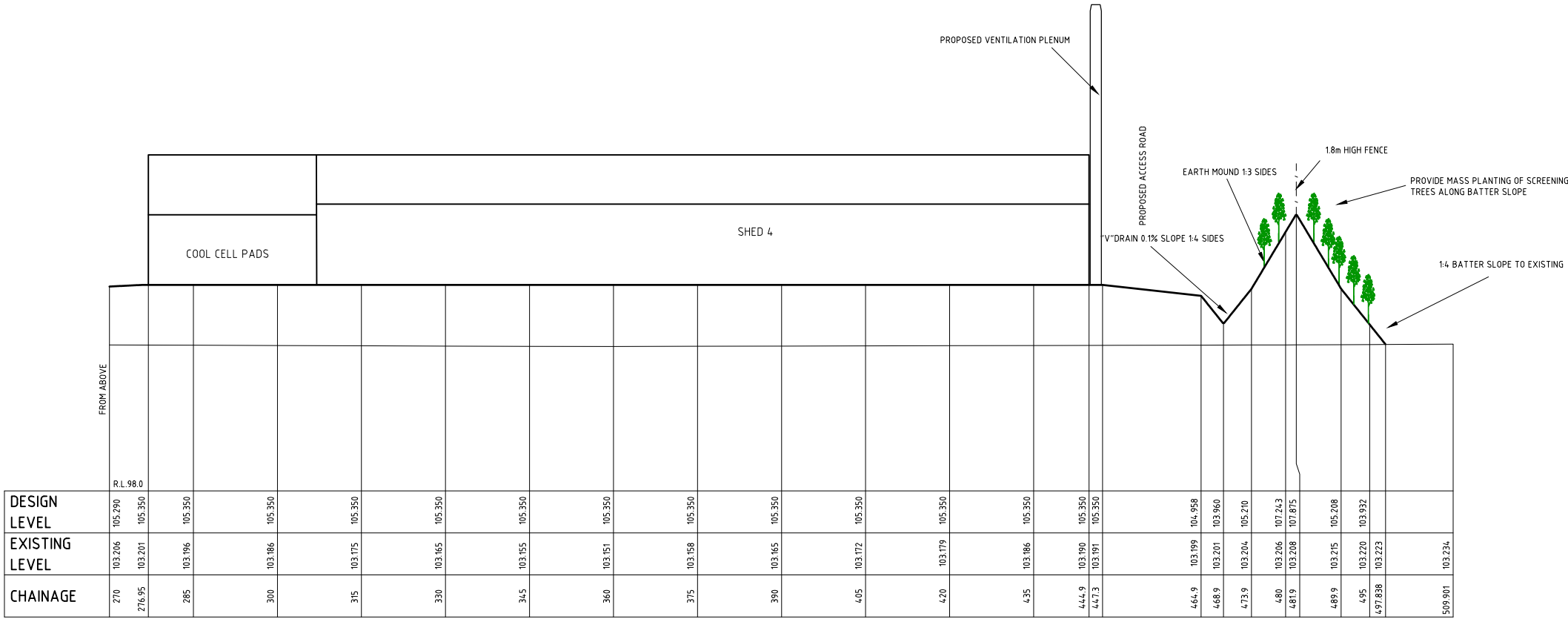
SITE CROSS SECTION - FARM 3 SECTION A

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. : 7	FILE : 21600125	SHEET SIZE
	JOB No. : 215474	DATE : Plotted 10/12/19 1:32PM	A3	

COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 3 Design.dwg



SECTION B
H=1:1000 V=1:200



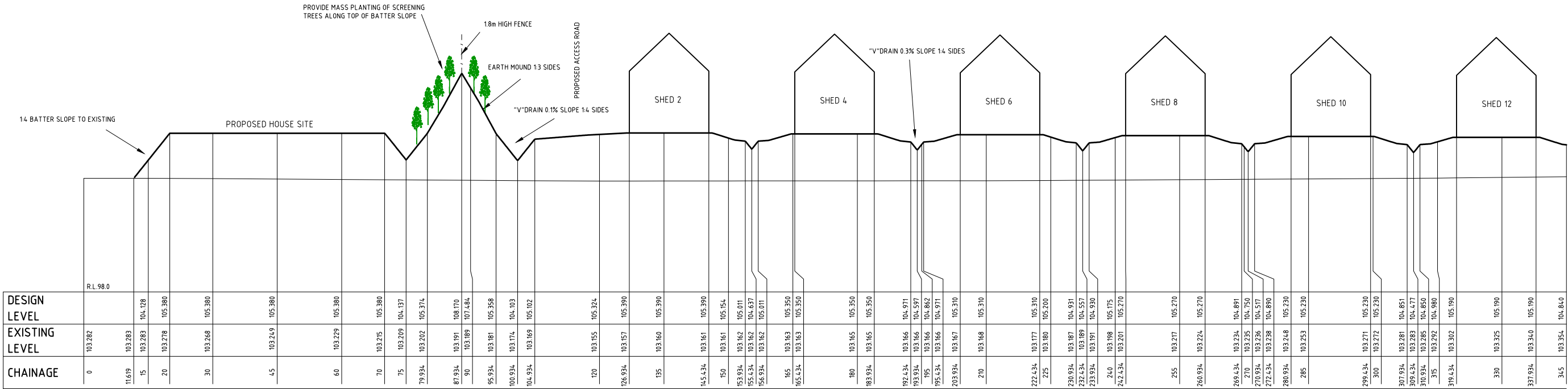
SECTION B
H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stacks Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

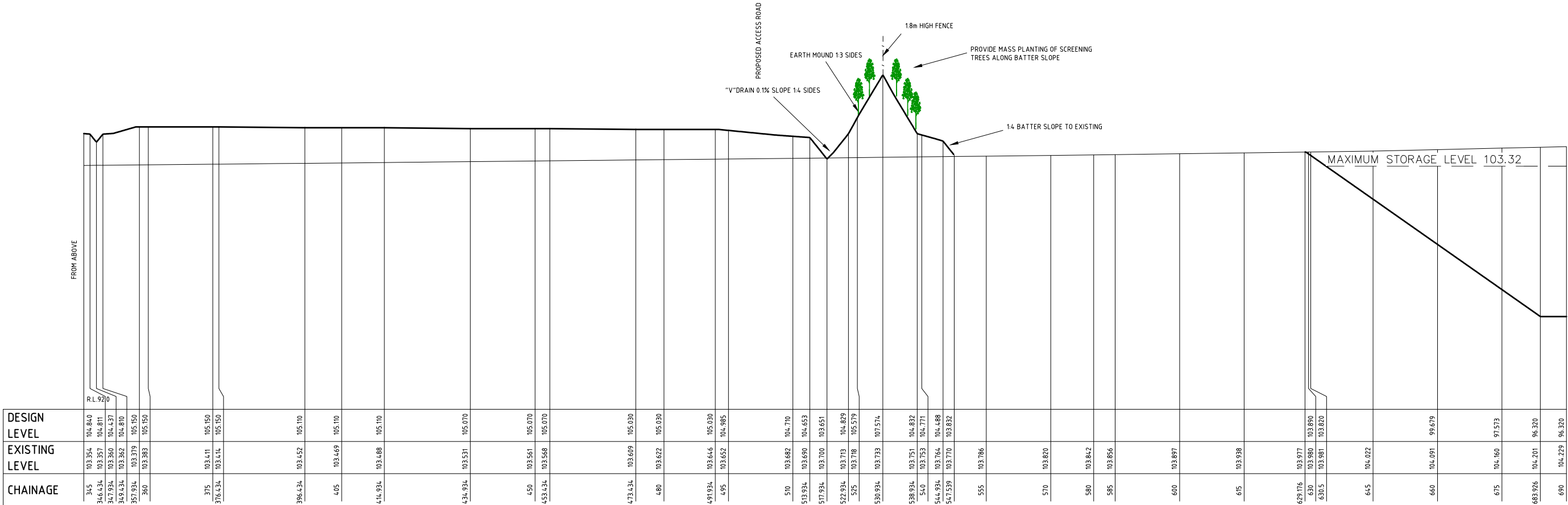
SITE CROSS SECTION - FARM 3 SECTION B

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. :8 JOB No. : 215474	FILE : 21600126 DATE : Plotted 10/12/19 1:32PM	SHEET SIZE A3
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COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 3 Design.dwg



SECTION C
H=11000 V=1200

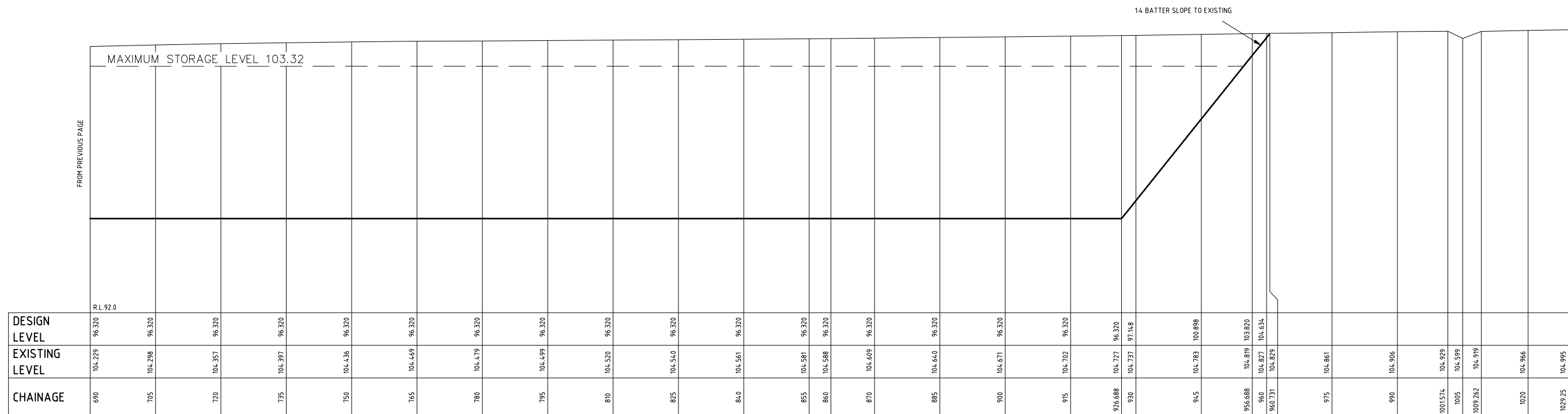


SECTION C
H=11000 V=1200

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

SITE CROSS SECTION - FARM 3 SECTION C

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. : 9 JOB No. : 215474	FILE : 21600127 DATE : Plotted 10/12/19 1:32PM	SHEET SIZE A3
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 3 Design.dwg				



SECTION C

H=1:1000 V=1:200

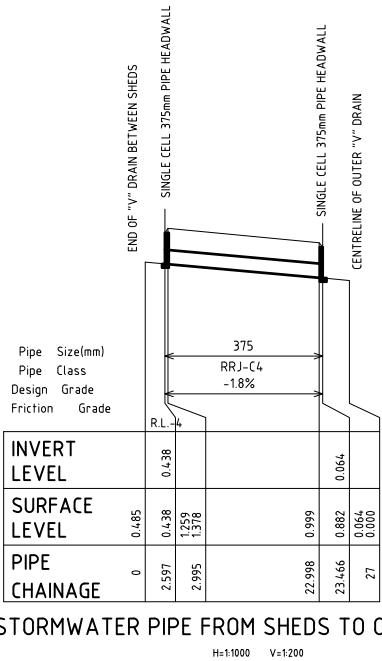
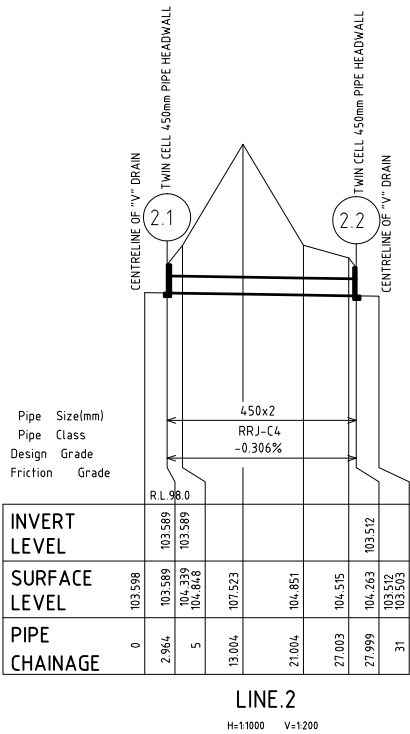
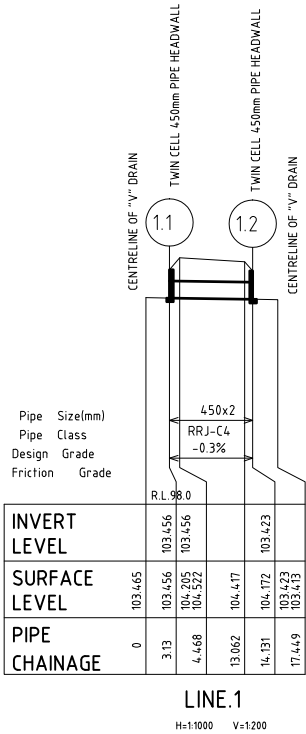
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	31/10/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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SCALE :
AS SHOWN

COMPUTER FILE : S:\Clients\2015\215474\DWG\215474_Array 3 Design.dwg

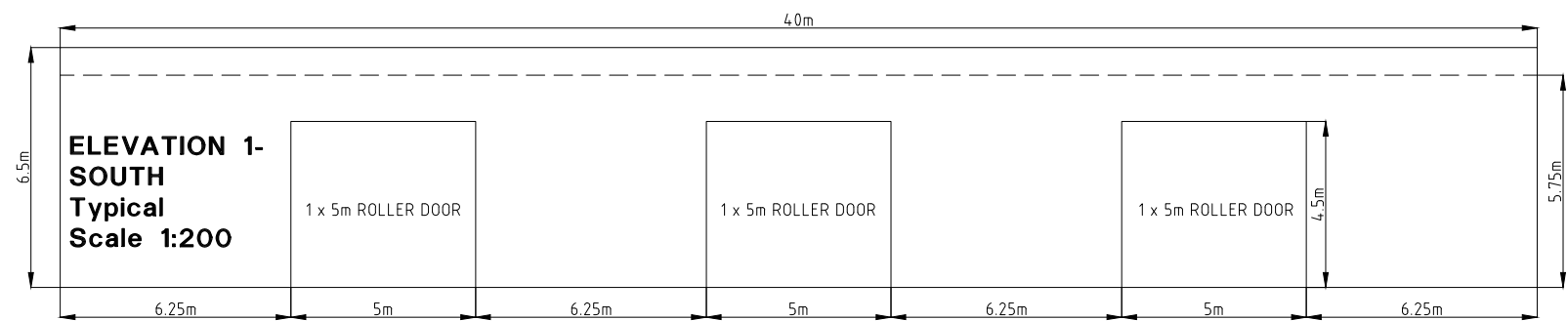
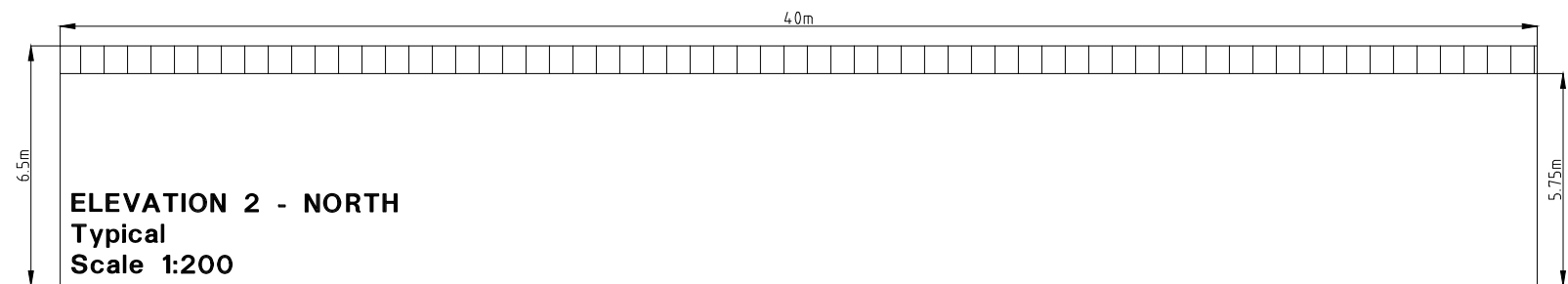
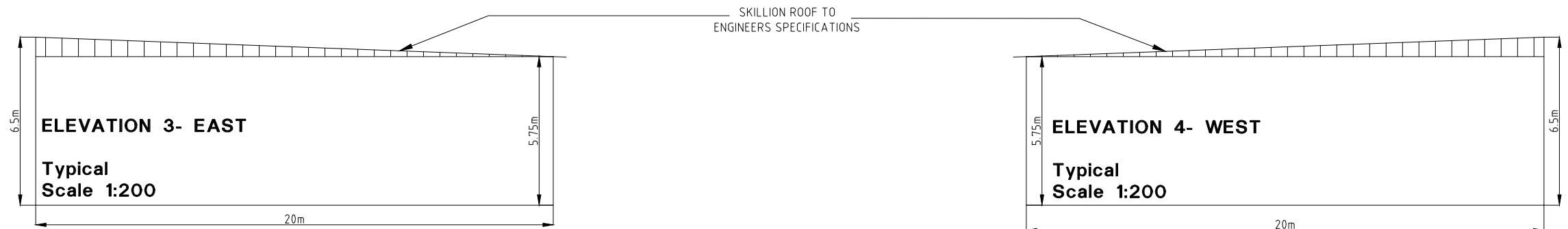
SHEET CROSS SECTION - FARM 3 SECTION C		SHEET SIZE
FILE : 21600128	DATE : 10/12/19 1:32PM	A3



C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD. Optimised Pipe Sizing	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	31/10/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

STORMWATER LONGITUDINAL SECTIONS

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS		SCALE : AS SHOWN	SHEET No. :11 JOB No. : 215474	FILE : 21600129 DATE : Plotted 10/12/19 1:32PM	SHEET SIZE A3
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 3 Design.dwg					



ELEVATION 2
↓
40m

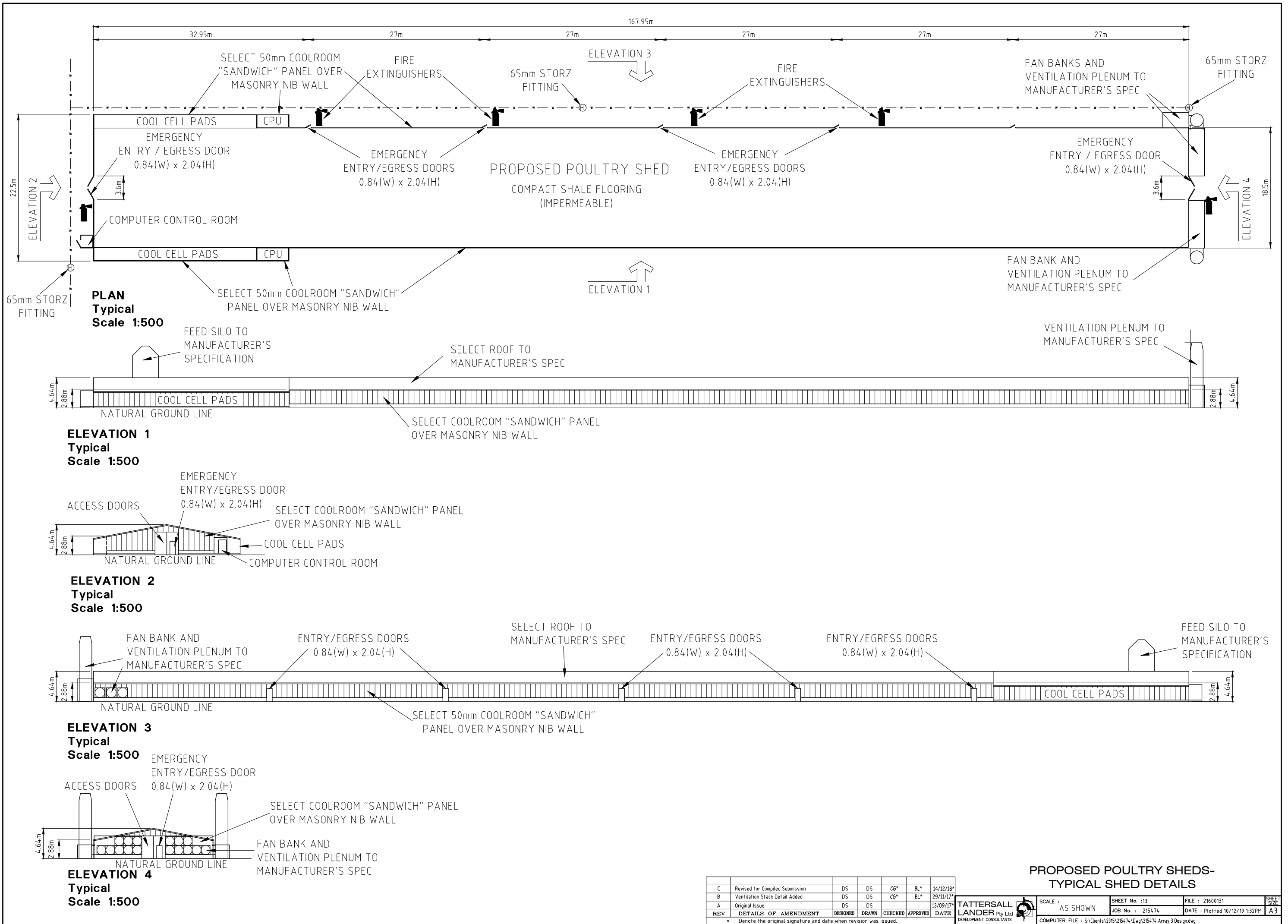


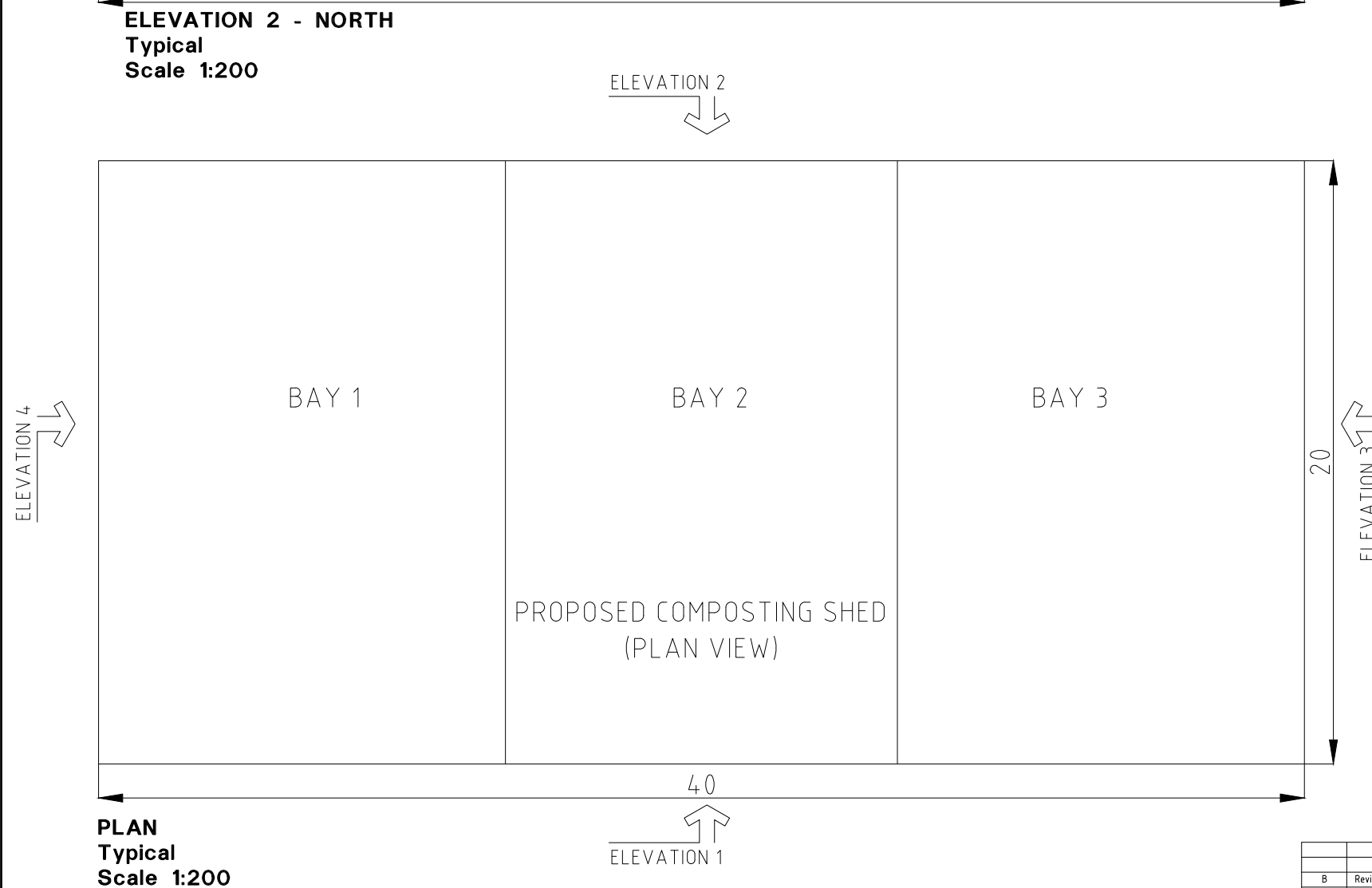
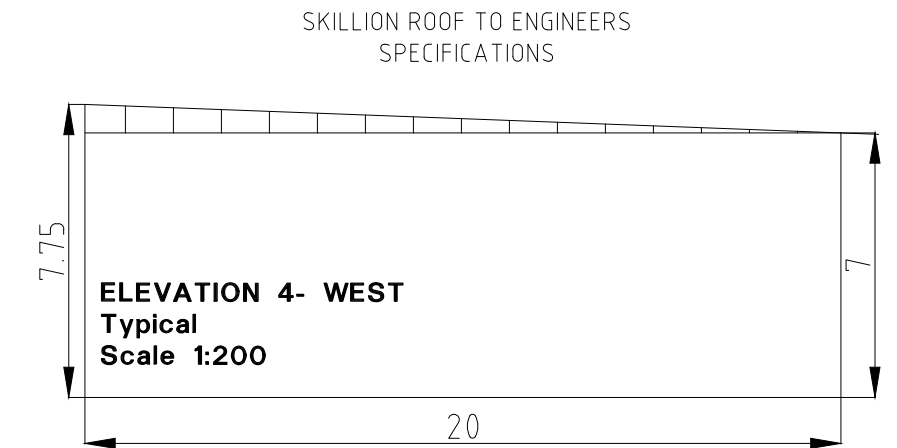
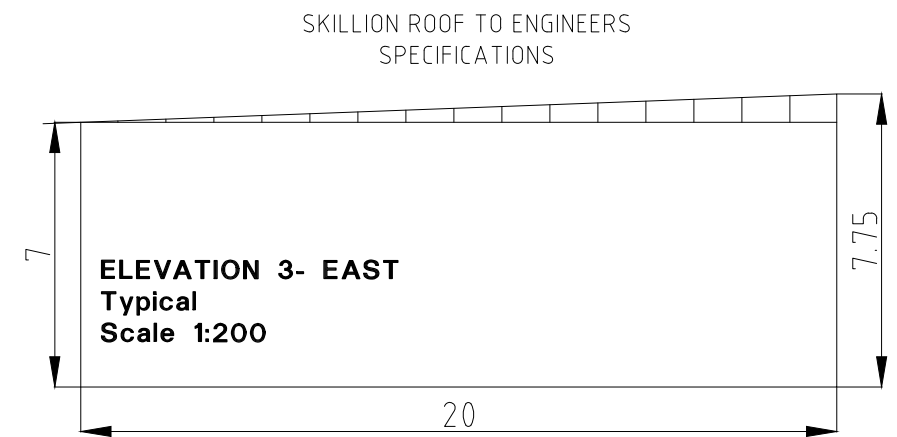
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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DEVELOPMENT CONSULTANTS



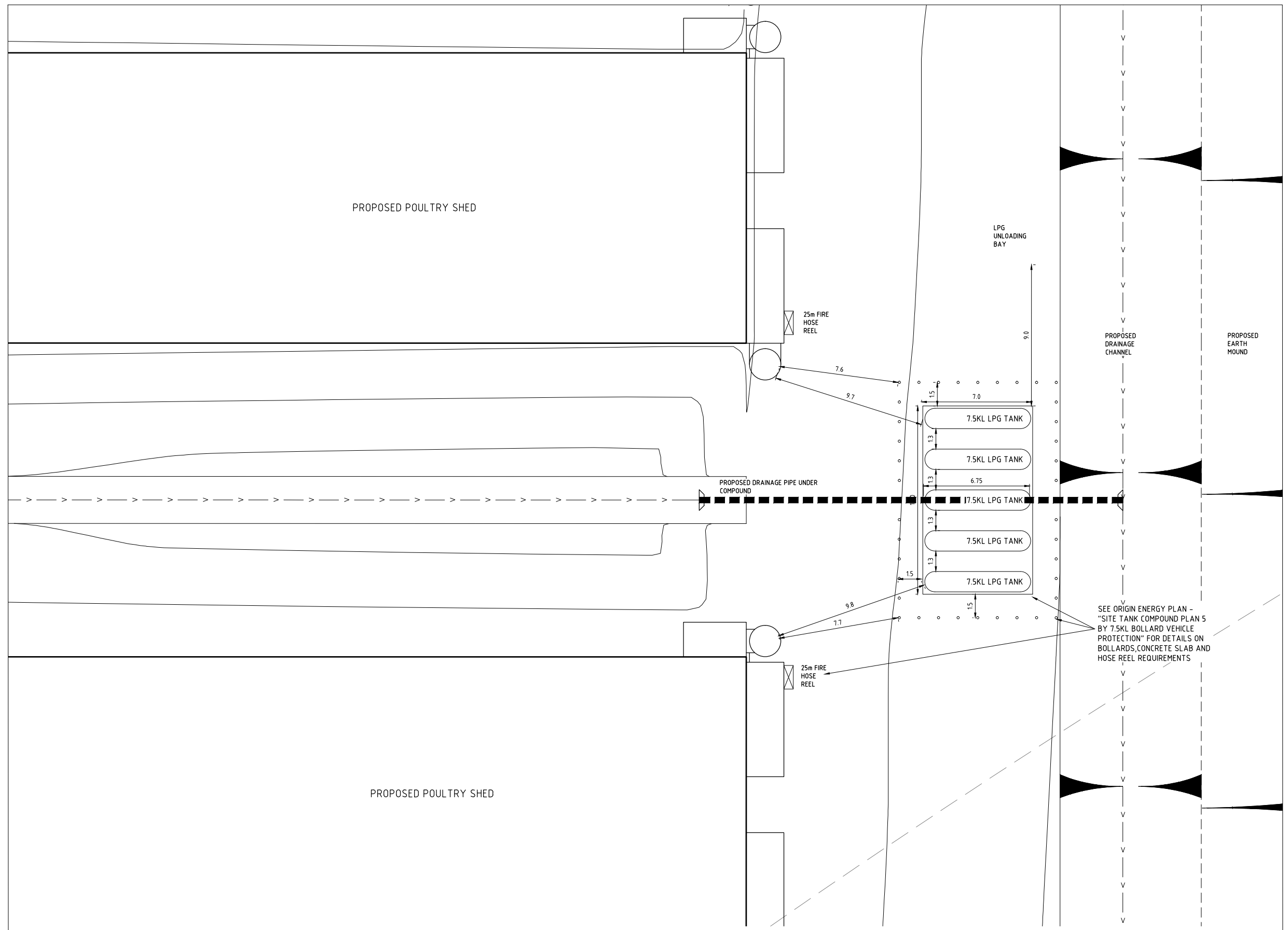
SCALE :	AS SHOWN	SHEET No. :12	FILE : 21600130	SHEET SIZE
COMPUTER FILE :	S:\Clients\2015\215474\Drawg\215474 Array 3 Design.dwg	JOB No. : 215474	DATE : Plotted 10/12/19 1:32PM	A3





NOTE:
CLADDING TO BE COLOUR
BONDED METAL OF
NEUTRAL COLOUR

[illegible]



DETAIL A - LPG TANK COMPOUND SITING
(1:250 @ A3)

B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

TATTERSALL LANDER
Pty Ltd
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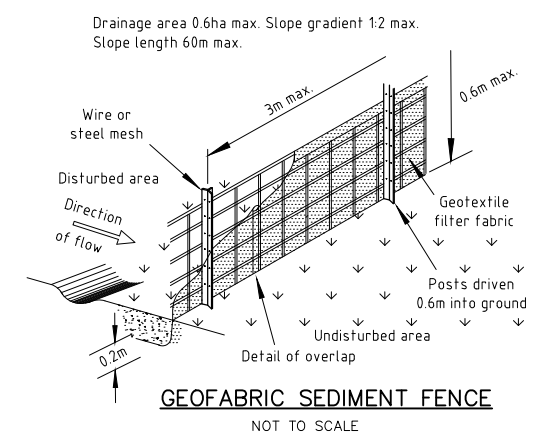
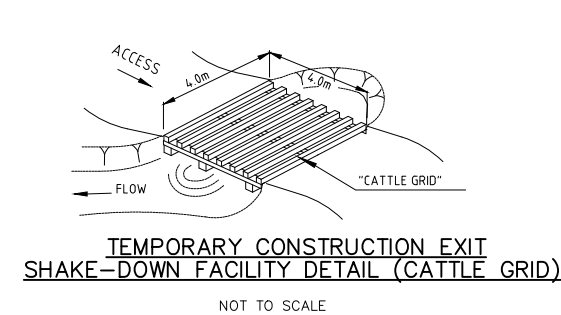
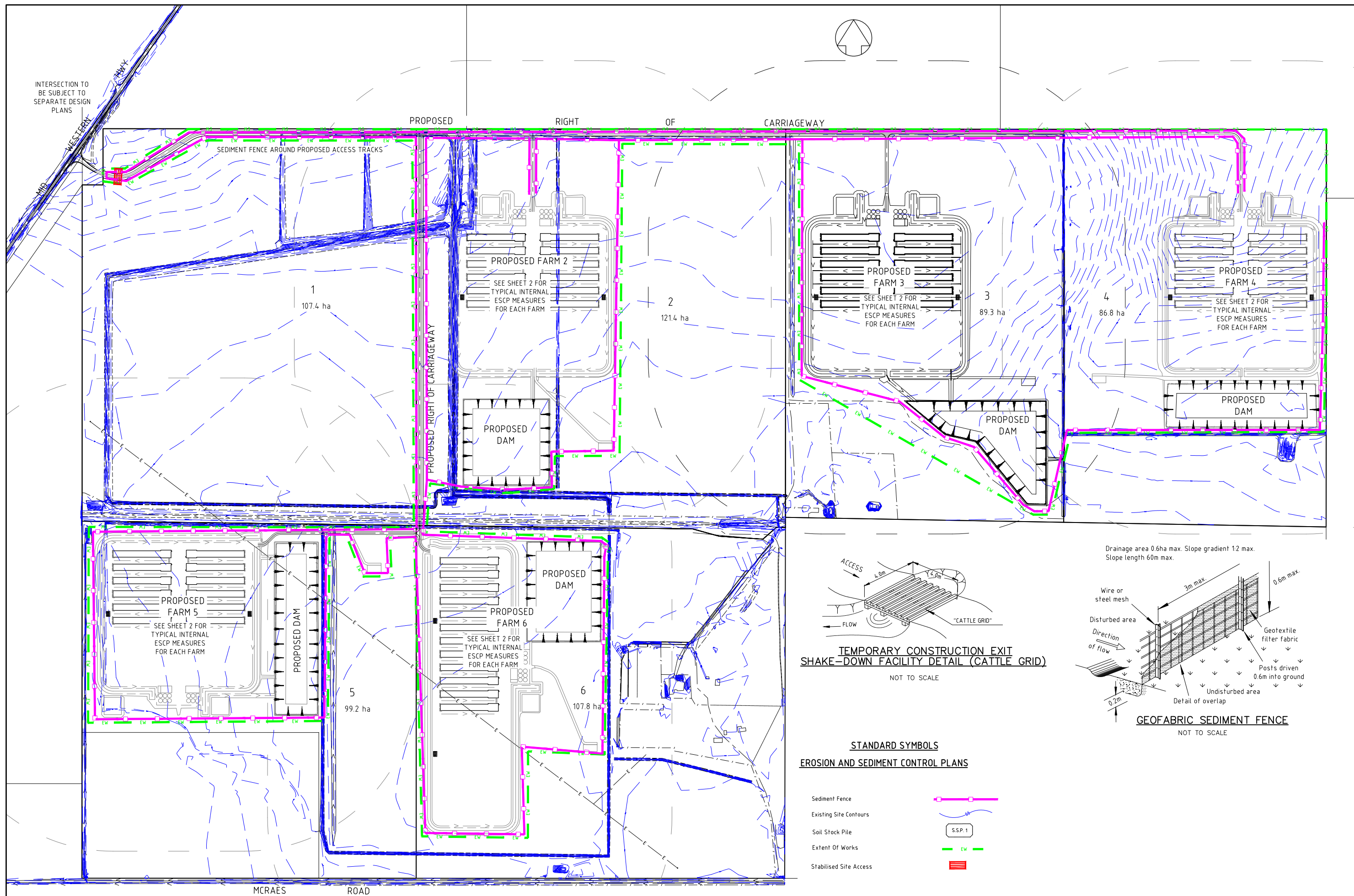
SCALE :
(1:6000 for A3 Size Plot)

SHEET No. :16
JOB No. : 215474

FILE : 21800306
DATE : Plotted 10/12/19 1:32PM

SHEET
SIZE
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 3 Design.dwg



STANDARD SYMBOLS
EROSION AND SEDIMENT CONTROL PLANS

- Sediment Fence
- Existing Site Contours
- Soil Stock Pile
- Extent Of Works
- Stabilised Site Access

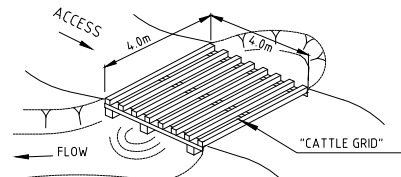
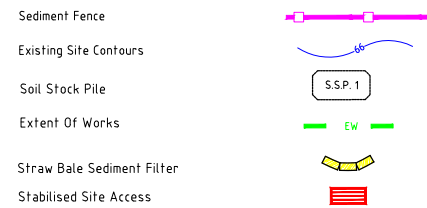
D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

ESCP - OVERALL DEVELOPMENT

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : 1:10000 (for A3 Size Plot)	SHEET No. : 17	FILE : 21800307	SHEET SIZE : A3
		JOB No. : 215474	DATE : Plotted 10/12/19 1:32PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 3 Design.dwg				



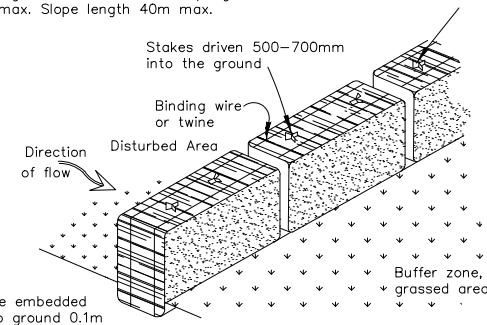
STANDARD SYMBOLS
EROSION AND SEDIMENT CONTROL PLANS



TEMPORARY CONSTRUCTION EXIT
SHAKE-DOWN FACILITY DETAIL (CATTLE GRID)

NOT TO SCALE

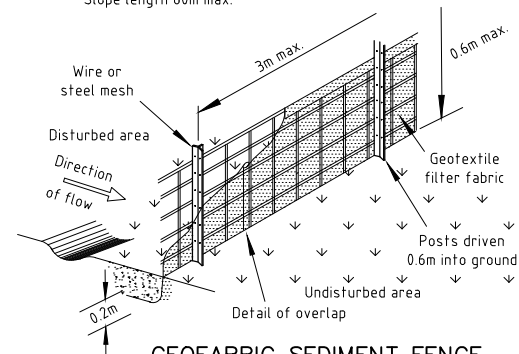
Drainage area 0.4 ha max. Slope gradient
1:2 max. Slope length 40m max.



STRAW BALE SEDIMENT FILTER

NOT TO SCALE

Drainage area 0.6ha max. Slope gradient 1:2 max.
Slope length 60m max.

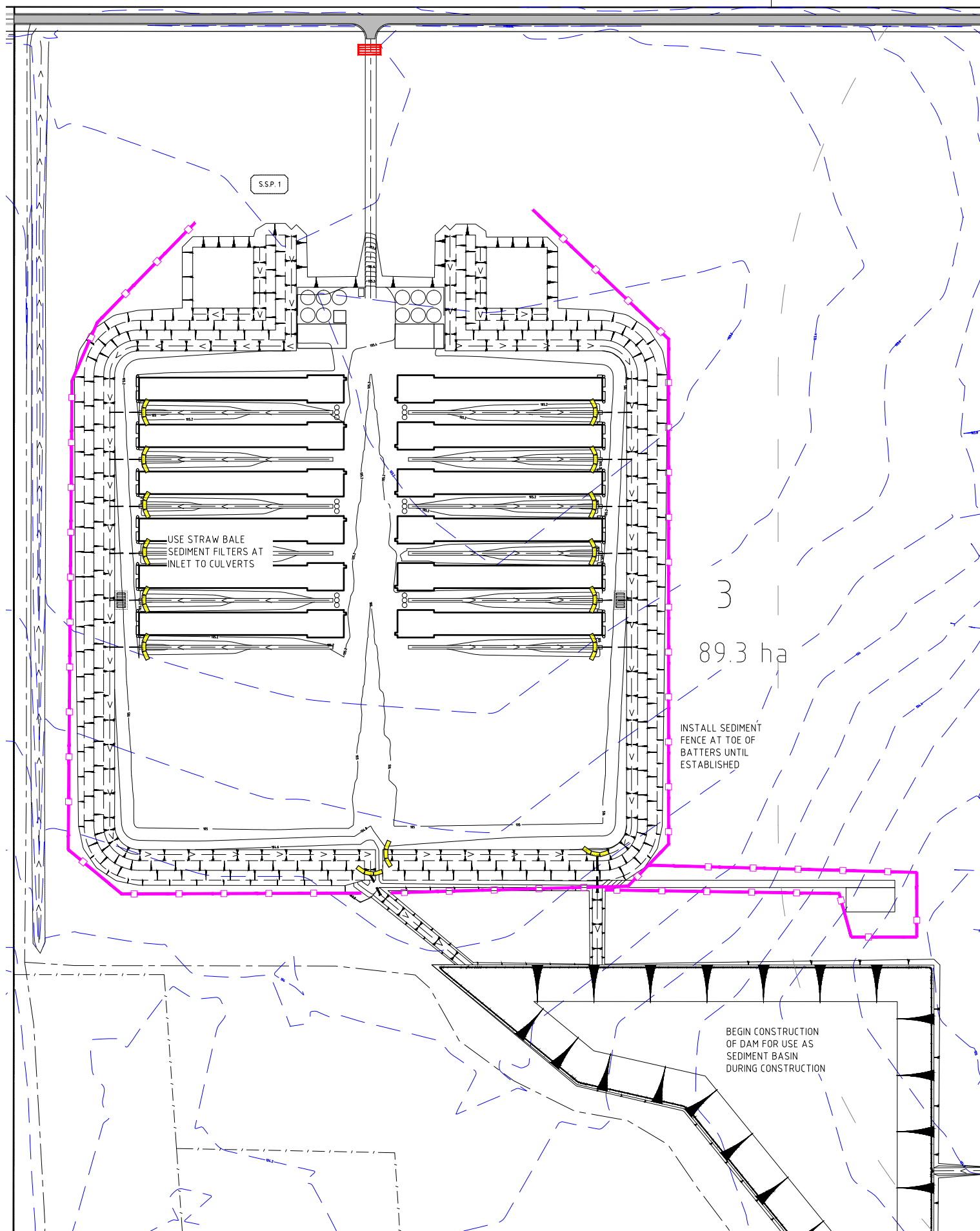


GEOFABRIC SEDIMENT FENCE

NOT TO SCALE

SOIL & WATER MANAGEMENT NOTES

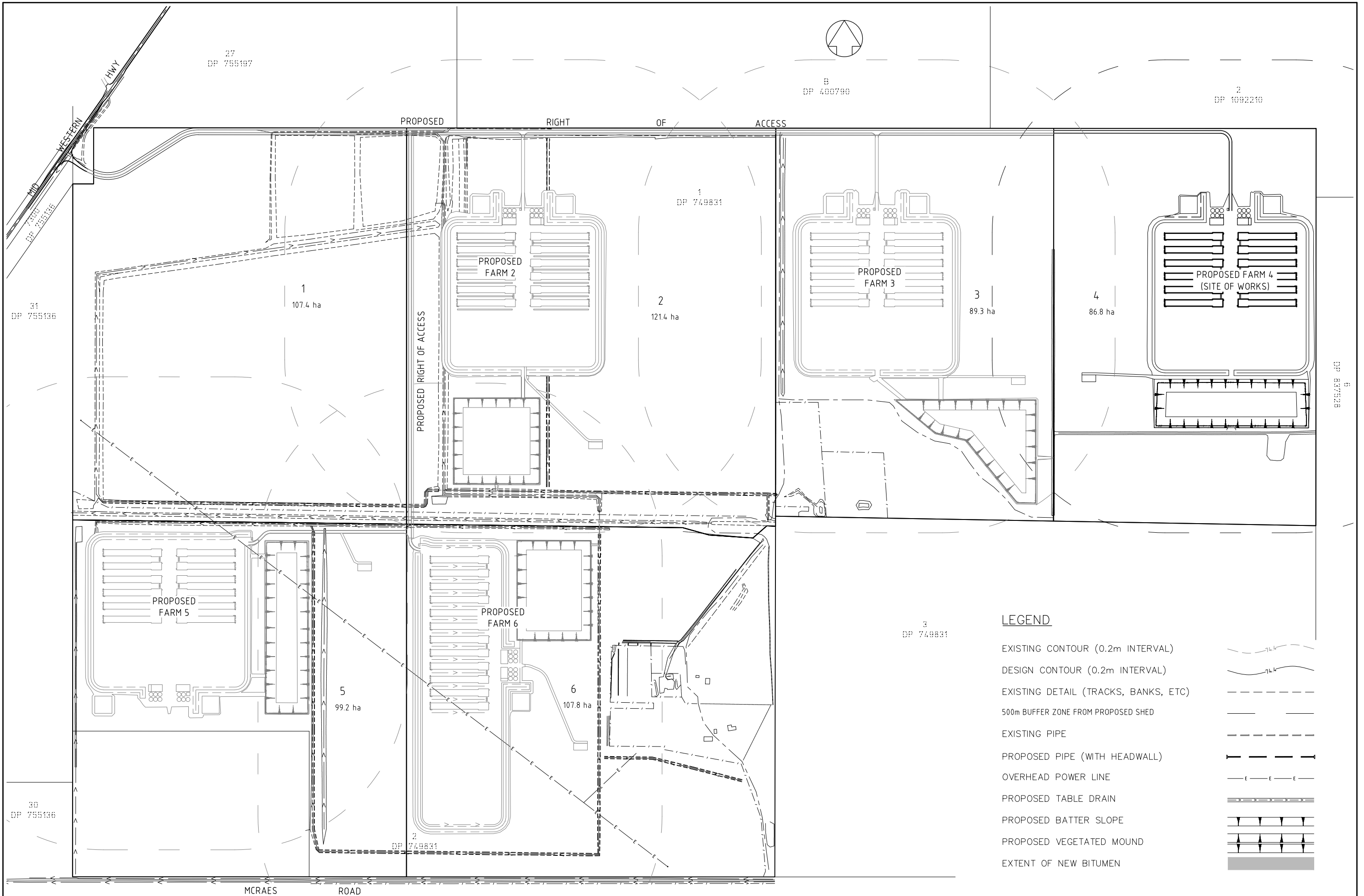
- This plan is to be read in conjunction with other engineering plans and any written instructions that may be issued.
- The contractor shall implement all soil erosion and sediment control measures prior to disturbance of the related catchment area and to the satisfaction of the Superintendent. This includes establishing temporary construction sediment basin in location of final dam formation.
- The location of "silt" fences, barrier fences, sediment traps, basins and other devices are indicative only and final locations are to be decided on site. Variations will be permitted to best suit the circumstances.
- Cleared vegetation must be disposed of by :-
 - chipping or mulching for future landscaping and usage, or
 - transport to an approved landfill facility.
- Temporary crossbanks (bunds constructed with earth, straw bales or sandbags), shall be constructed during roadworks to limit slope length, where possible, to 80 metres. These shall be constructed immediately prior to forecast rain and during temporary closure of the site, including weekends.
- Temporary rehabilitation should be undertaken on disturbed areas where works have stopped and soils are expected to remain exposed for two months.
- Sediment barriers (e.g. sandbags or straw bales) should be located upstream of stormwater inlet pits prior to the road surface being paved and lands upslope being rehabilitated.
- At the conclusion of each day sand bags are to be placed at the end of completed sections of road pavement to prevent scouring.
- The contractor will inspect all erosion and pollution control works at least weekly and following every rainfall event greater than 5mm, providing particular attention to the following matters :
 - Ensure drains operate effectively and initiate repair as required.
 - Remove spilled sand (or other materials) from hazard areas, including lands closer than 5 metres from likely areas of concentrated or high velocity flows such as waterways and paved areas.
 - Ensure rehabilitated lands have effectively reduced the erosion hazard and initiate upgrading or repair as appropriate.
 - Construct additional erosion and/or sediment control works as might become necessary to ensure the desired protection is given to downslope lands and waterways, i.e. make ongoing changes to the plan.
 - Maintain erosion and sediment control measures in a functioning condition until all earthwork activities are completed and the site is rehabilitated.
 - Remove temporary soil conservation structures as a last activity in the rehabilitation program.
- Utilise a single access only to the stock pile sites.
- Do not taint clean catchment water with silt from the works.
- Drop inlets which do not outlet to silt traps shall be blocked until all works are completed.
- Rehabilitate the site as soon as possible after the completion of construction activities and within 10 working days. Lands where works are not to continue for more than 20 working days must be rehabilitated. Such rehabilitation shall involve the spraying of a straw-bitumen mulch to the disturbed lands or equivalent.
- Access areas limited to a maximum width of 10 (preferably 5) metres.
- All positions shown are approximate and are best determined on site in conjunction with the superintendent.
- Conformity with this plan shall in no way reduce the responsibility of the Contractor to protect against water damage during the course of the contract.
- Topsoil and spoil shall be stockpiled in non-hazard areas and protected from surface run-off by diversion drains or similar. Stockpiles shall be surrounded on downstream sides by silt fencing. Stockpiles shall be suitably compacted to inhibit erosion. Where the stockpiling period exceeds four (4) weeks, the stockpile shall be seeded to encourage vegetation growth.
- Topsoil shall be respread and stabilised as soon as possible. Disturbed areas shall be left with a scarified surface to encourage water infiltration and assist keying in topsoil.
- The contractor shall provide a turf strip behind all kerb and gutter at completion of footpath formation.
- The contractor shall maintain grass cover until all works have been completed including the maintenance period, by frequent watering and mowing where required.
- All drainage works shall be constructed and stabilised as quickly as possible to minimise risk of erosion.
- Vehicular traffic shall be controlled during construction confining access where possible to proposed or existing road alignments plus 3 metres. Areas to be left undisturbed shall be marked off.
- Site access shall be restricted to a nominated point. The construction of a shake-down area will be required at the entry to the site.
- Facilities and/or equipment must be provided for the application of water to disturbed areas to minimise the generation of airborne dust from any area disturbed by construction activities.
- Material removed from sediment control structures must be disposed of in a way that does not pollute waters or bushland.
- Waste disposal containers must be provided on site for the collection and disposal of all industrial and domestic type wastes generated on site.
- Concrete wastes or washings from any concrete mixture or deliveries must not be deposited in any location where they can flow or be washed into waters.
- Runoff from vehicle, construction plant or mobile plant maintenance and cleaning areas must be contained, collected and disposed of in a manner to prevent entry into any waters, including sediment retention ponds.
- Fuelling of vehicles and construction plant must be carried out with an operator or driver present, and in a way that prevents any spillage occurring.



D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

FARM 3 ESCP

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : 1:4000 (for A3 Size Plot)	SHEET No. : 18	FILE : 21800308	SHEET SIZE : A3
		JOB No. : 215474	DATE : Plotted 10/12/19 132PM	
COMPUTER FILE : S:\Clients\2015\215474\DWG\215474 Array 3 Design.dwg				



F	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
E	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
D	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
C	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

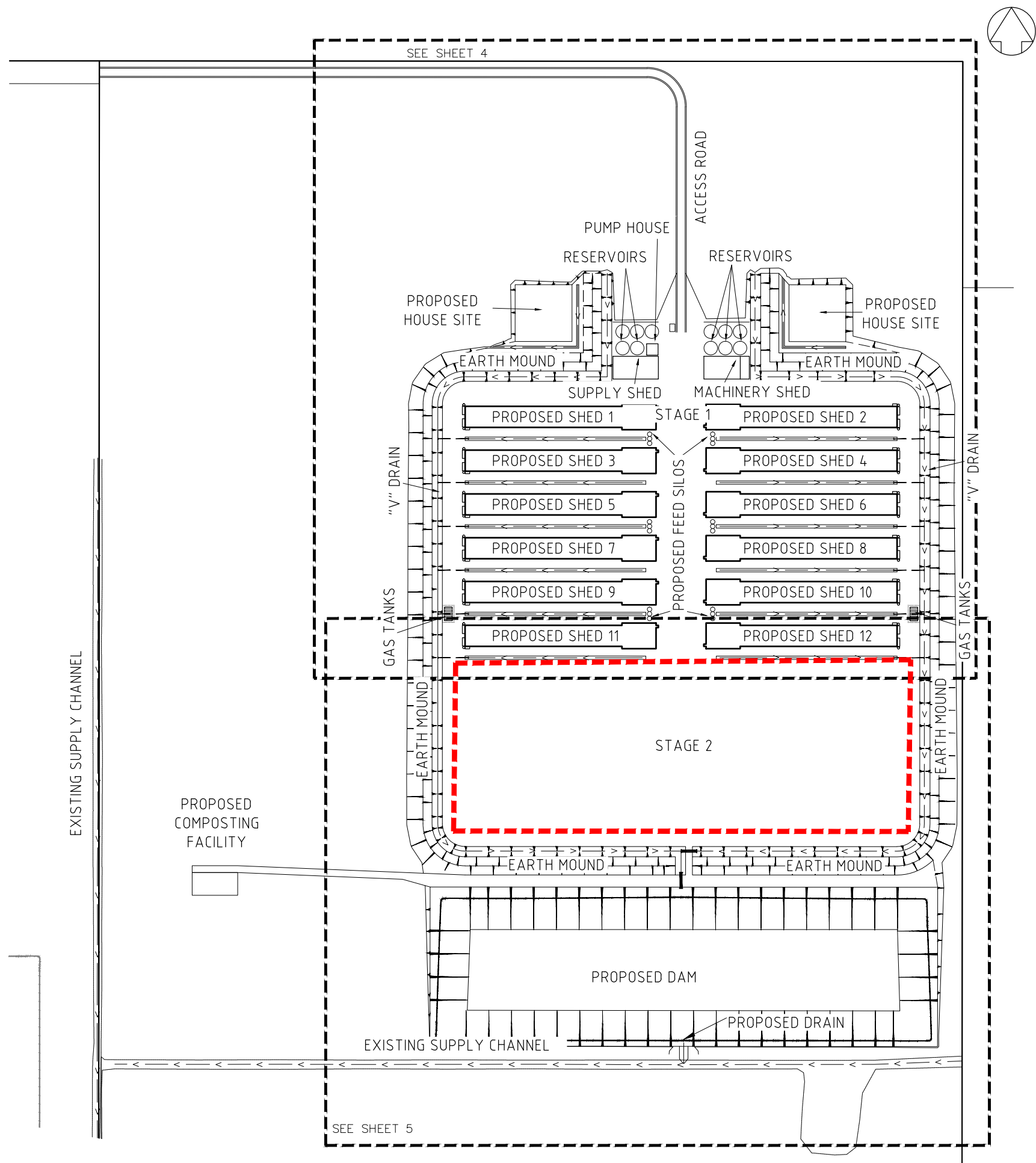
* Denote the original signature and date when revision was issued.

TATTERSALL
LANDER PTY LTD
DEVELOPMENT CONSULTANTS
ENGINEERING, SURVEYING & PLANNING
2 Bourke St. P.O.Box 580
RAYMOND TERRACE 2324
Fax (02) 49871733 Phone (02) 49871500

PROPOSED POULTRY FARM
LOT 1 & 2 IN DP 749831
MID WESTERN HIGHWAY
GOOLGOWI

CLIENT: JAMES & CATHY MUSCAT
JOB No.: 215474
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 4 Design.dwg

COUNCIL CARRATHOOL	REFERENCE 21600248
PARISH WYCHEPROOF	SHEET SIZE A3
SCALE 1:10000	SHEET No. 2
DATE :	Plotted 10/12/19 12:29PM



- STAGE 1:
- ALL EARTHWORKS AND ENVIRONMENTAL CONTROL AS PER ORIGINAL APPLICATION
 - CONSTRUCTION OF SHEDS 1 TO 12
- STAGE 2:
- SUBJECT TO CONCURRENCE BY THE SECRETARY DPIE
 - CONSTRUCTION OF SHEDS 13 TO 20

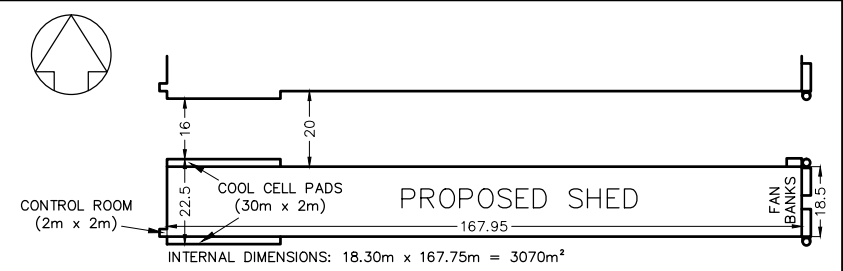
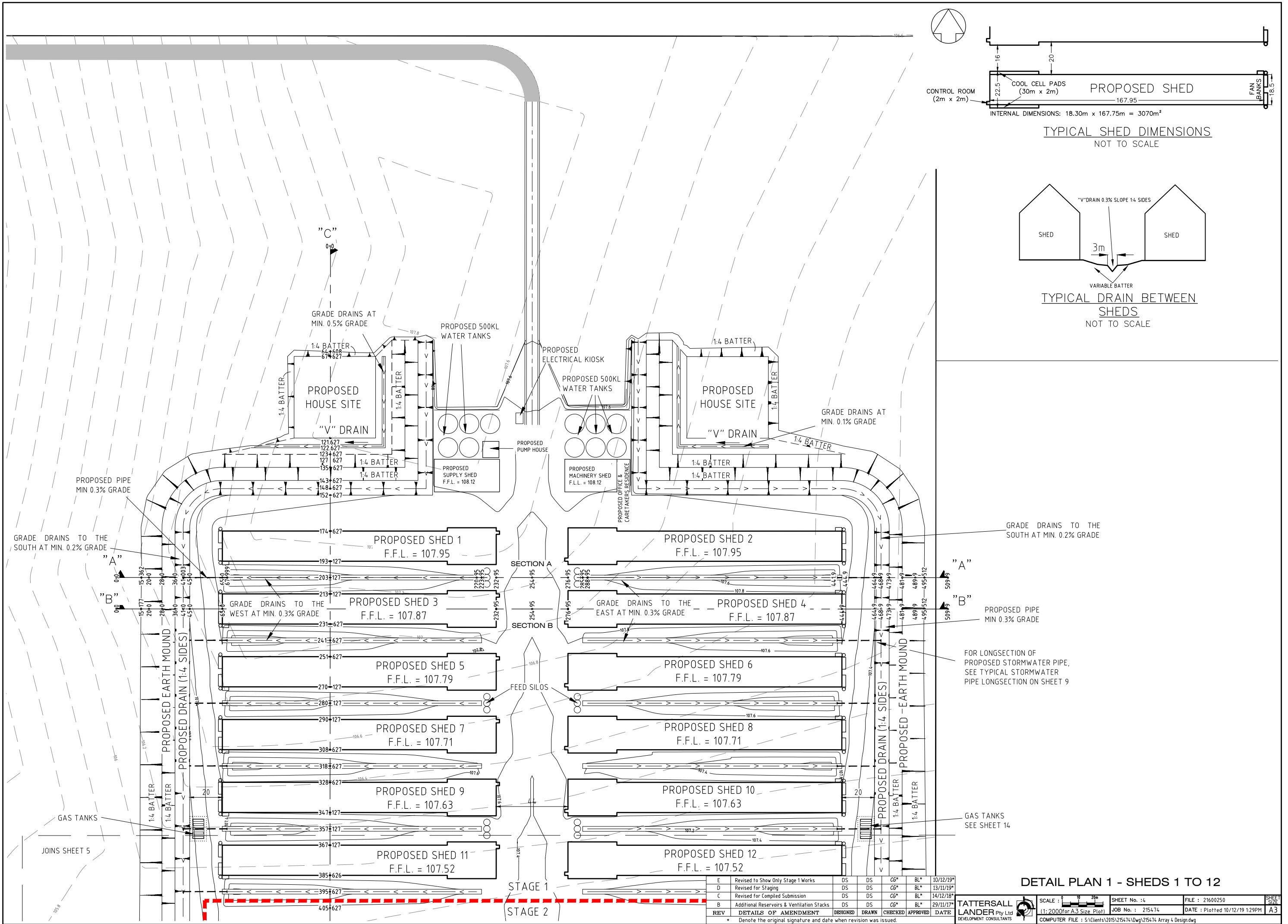
E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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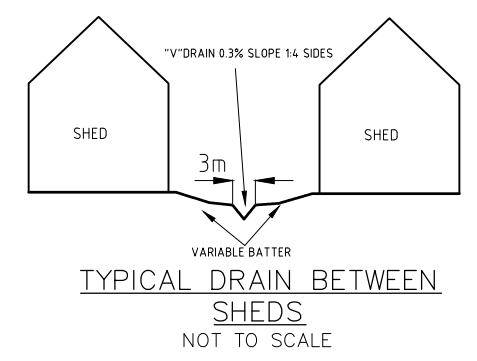
SCALE : 1:4000 (for A3 Size Plot)

SHEET No. : 3
JOB No. : 215474
DATE : Plotted 10/12/19 1:29PM
FILE : 21600249
A3

FARM 4 OVERALL



TYPICAL SHED DIMENSIONS
NOT TO SCALE



TYPICAL DRAIN BETWEEN
SHEDS
NOT TO SCALE

GRADE DRAINS TO THE
SOUTH AT MIN. 0.2% GRADE

PROPOSED PIPE
MIN 0.3% GRADE

FOR LONGSECTION OF
PROPOSED STORMWATER PIPE,
SEE TYPICAL STORMWATER
PIPE LONGSECTION ON SHEET 9

GAS TANKS
SEE SHEET 14

DETAIL PLAN 1 - SHEDS 1 TO 12

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

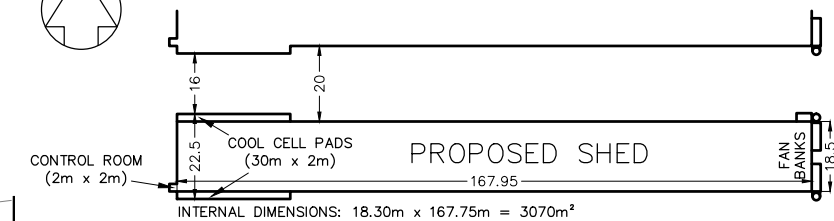
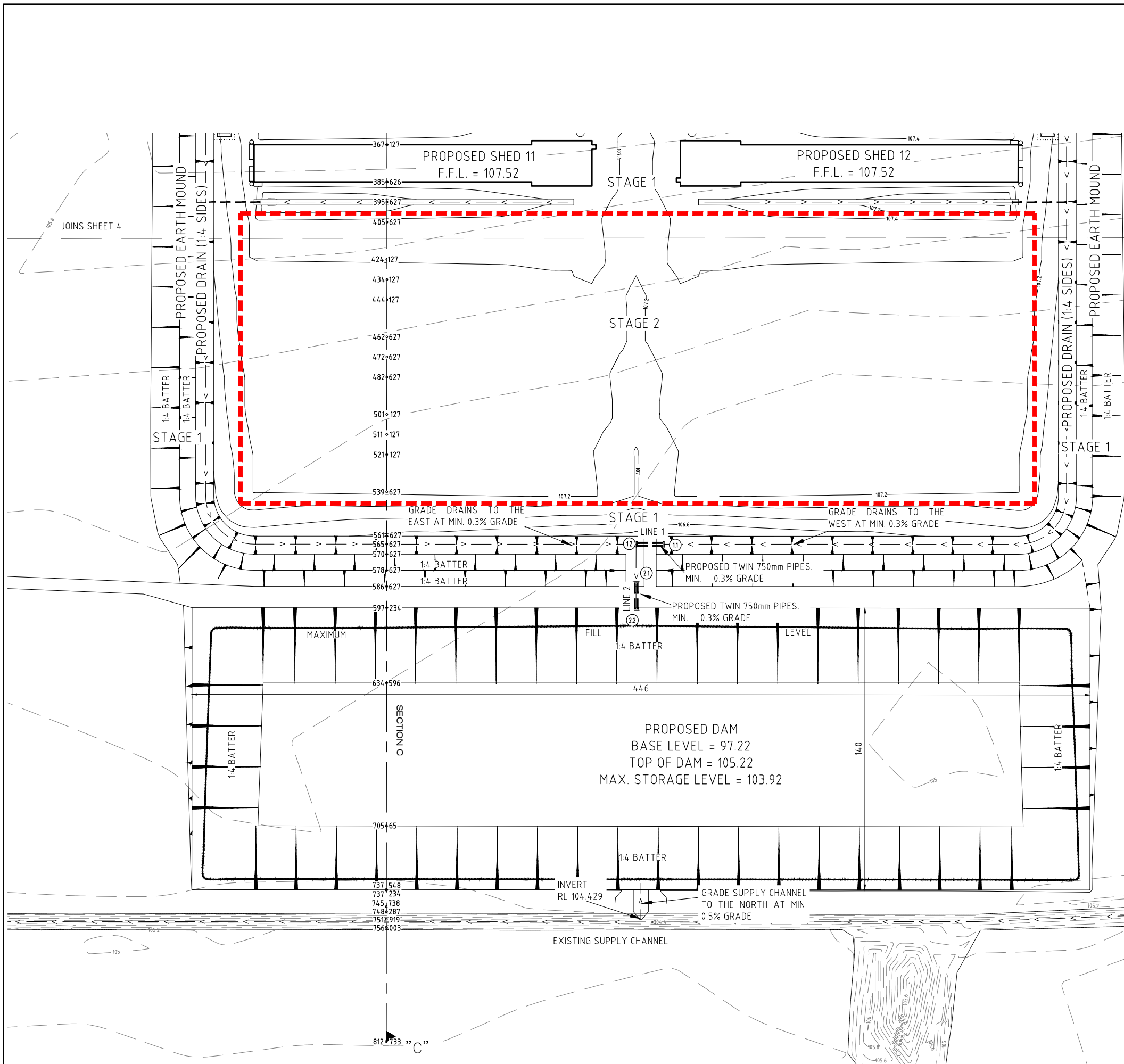
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SCALE : 1:2000 (for A3 Size Plot)

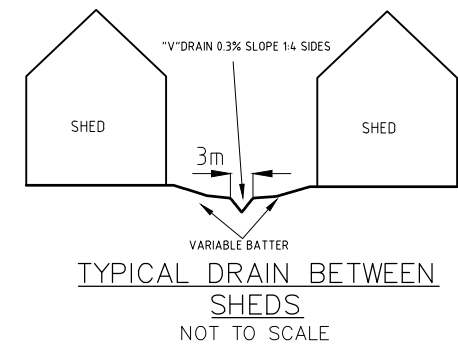
SHEET No. : 4
JOB No. : 215474
DATE : Plotted 10/12/19 12:29PM

FILE : 21600250
DATE : 10/12/19
SHEET SIZE : A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 4 Design.dwg



TYPICAL SHED DIMENSIONS
NOT TO SCALE



TYPICAL DRAIN BETWEEN
SHEDS
NOT TO SCALE

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

DETAIL PLAN 2 - STAGE 2 & DAM

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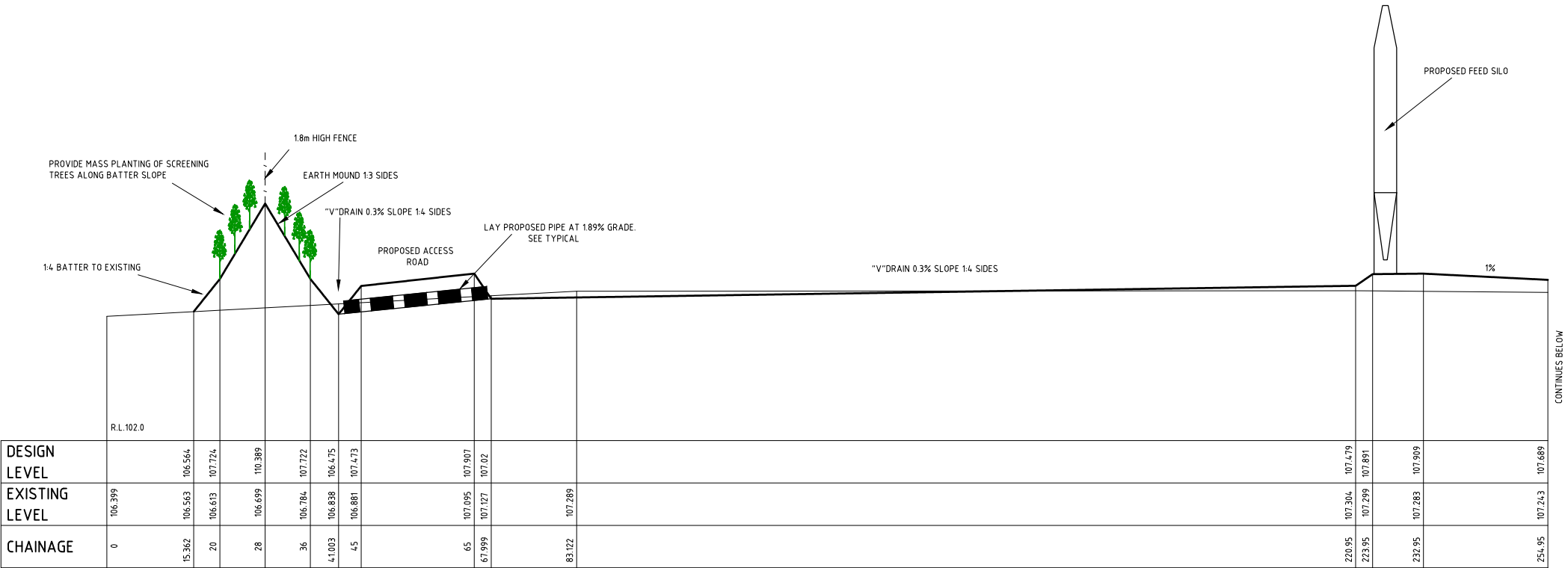


SCALE : 1:2000 (for A3 Size Plot)

SHEET No. : 5
JOB No. : 215474

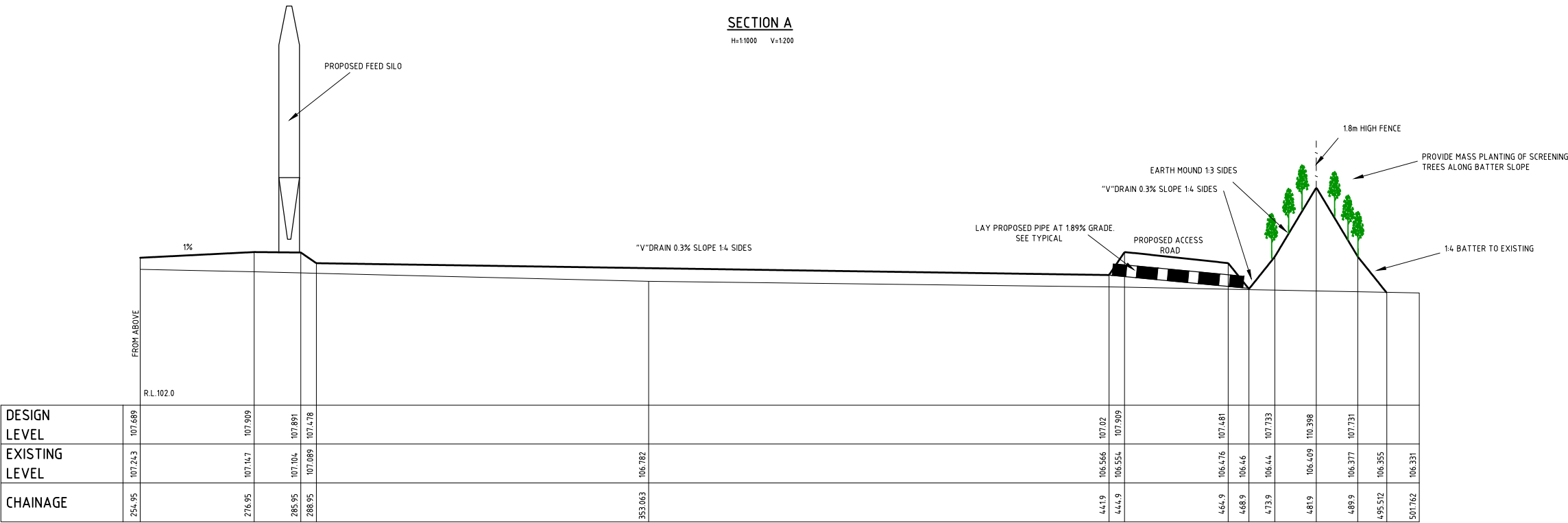
FILE : 21600251
DATE : Plotted 10/12/19 1:29PM
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 4 Design.dwg



SECTION A

H=1:1000 V=1:200



SECTION A

H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Feed Silos Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	LH	LH	-	-	14/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

TATTERSALL LANDER

Pty Ltd

DEVELOPMENT CONSULTANTS

SCALE :
AS SHOWN

SHEET No. :6

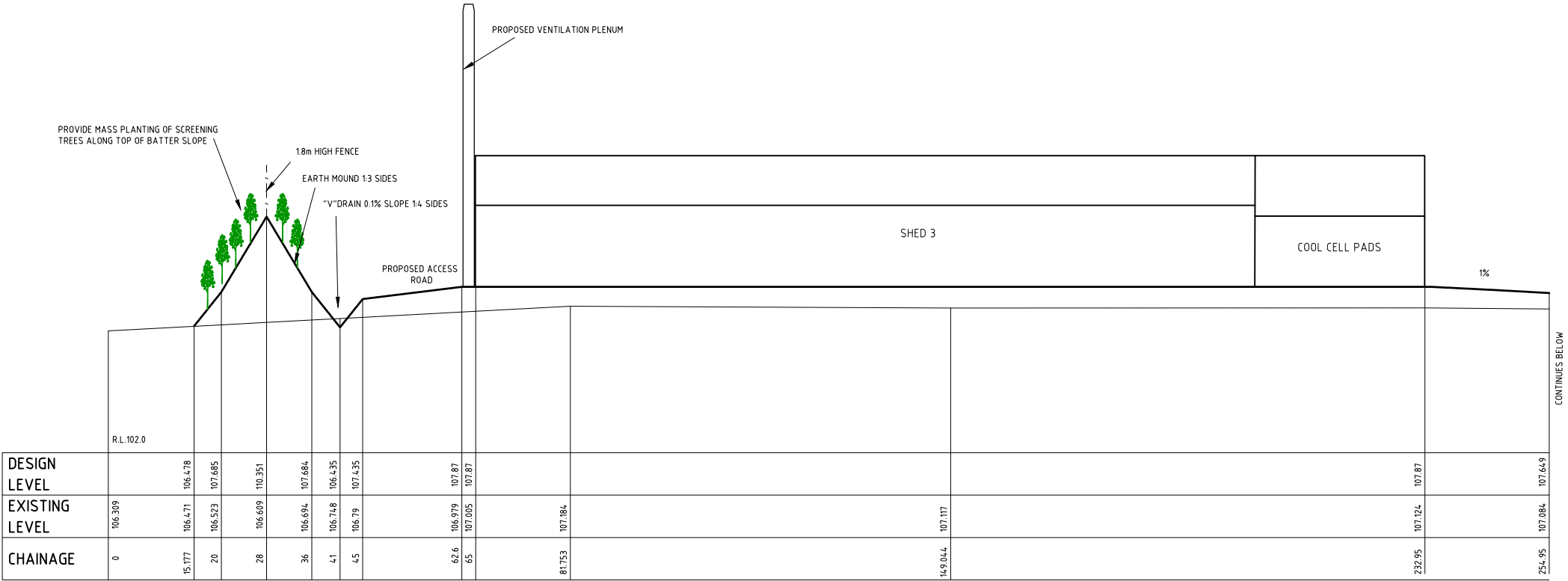
JOB No. : 215474

DATE : Plotted 10/12/19 1:29PM

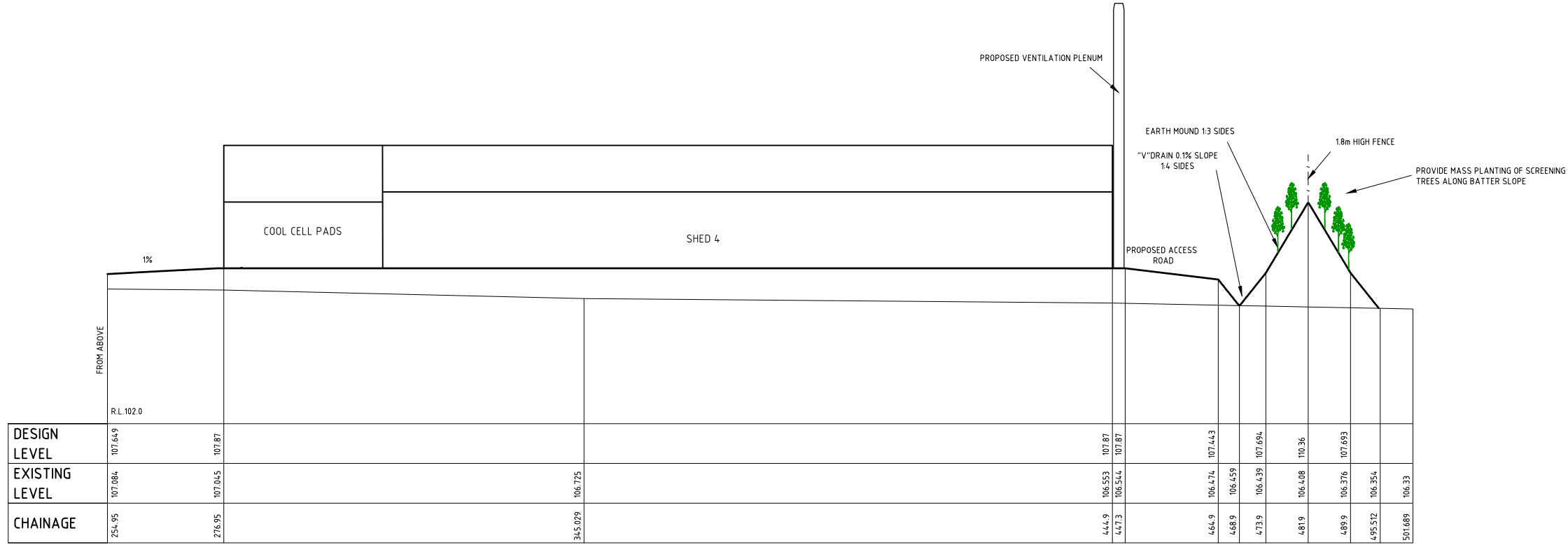
FILE : 21600252

A3

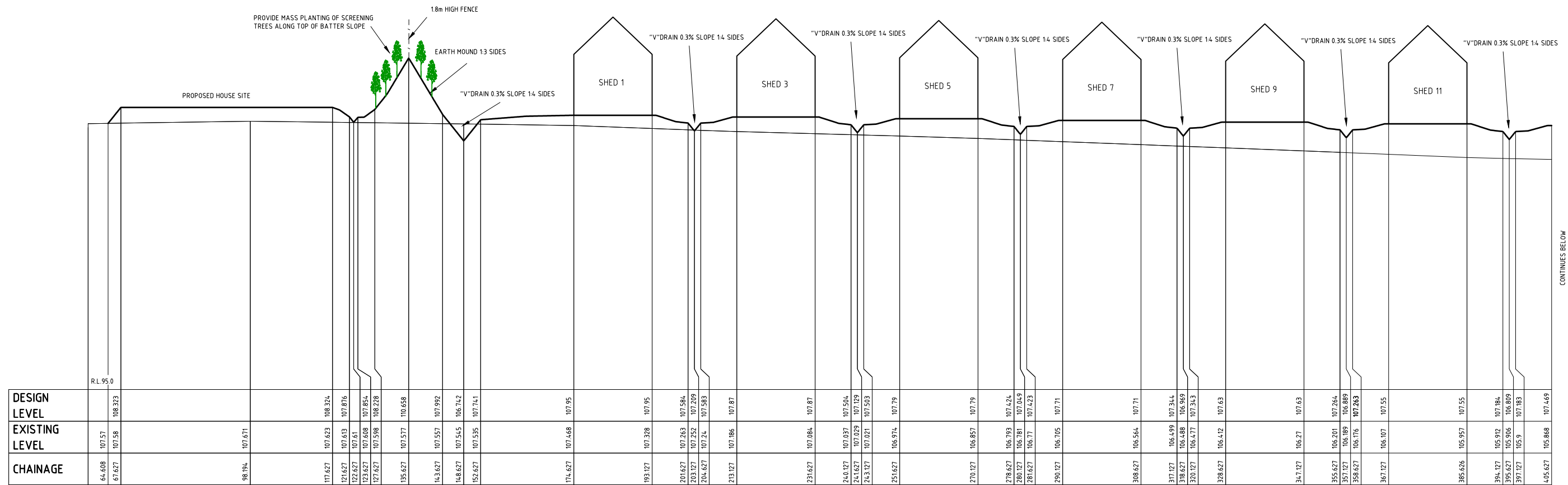
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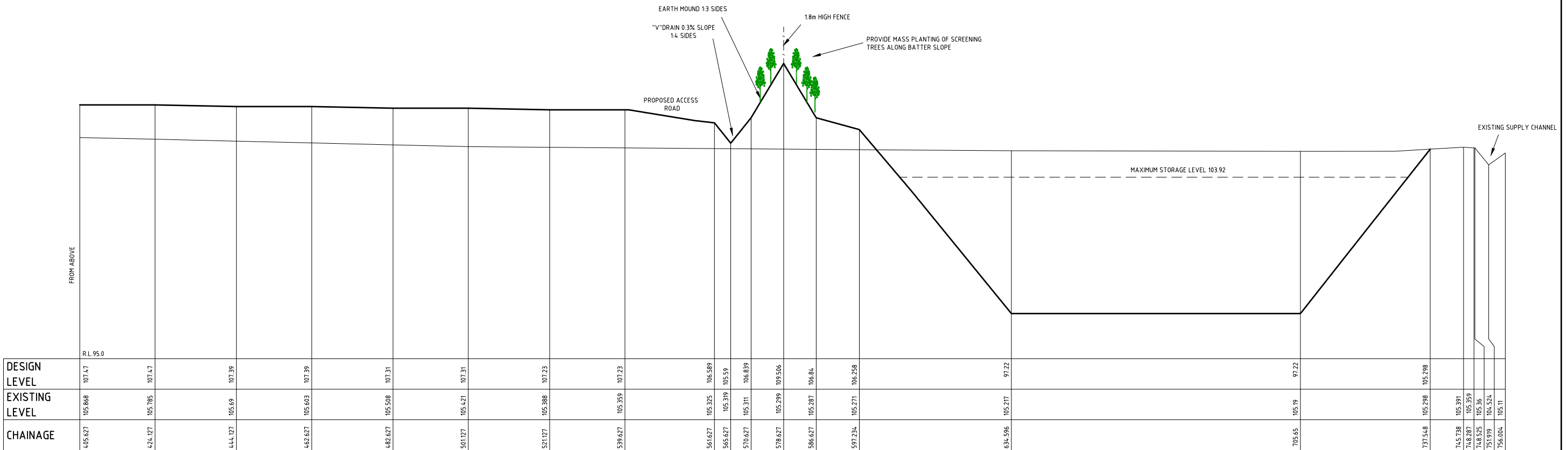
SECTION B
H=1:1000 V=1:200



SECTION B
H=1:1000 V=1:200



SECTION C
H=1:1000 V=1:200

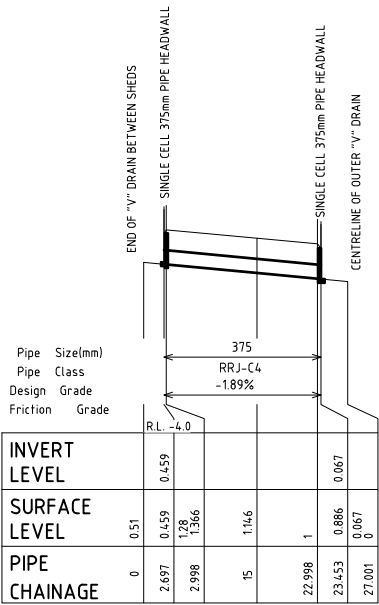


SECTION C
H=1:1000 V=1:200

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD	DS	LH	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

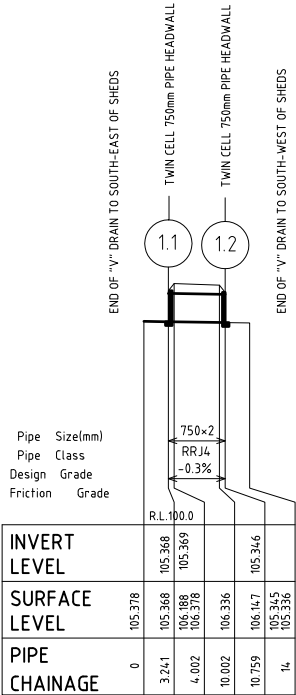
SITE CROSS SECTION- FARM 4 SECTION C

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. :8 JOB No. : 215474	FILE : 21600254 DATE : Plotted 10/12/19 1:29PM	SHEET SIZE A3
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 4 Design.dwg				



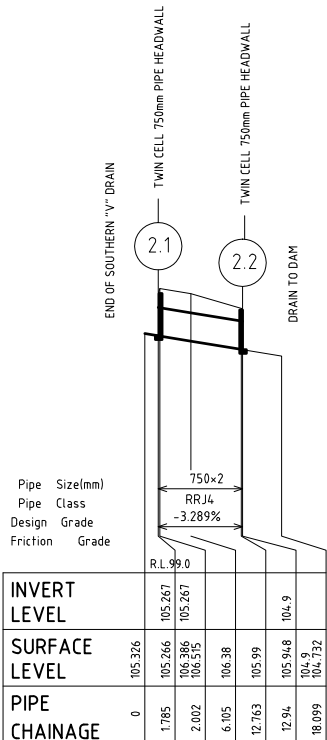
TYPICAL STORMWATER PIPE FROM SHEDS TO OUTER DRAIN

H=1:1000 V=1:200



LINE.1

H=1:1000 V=1:200

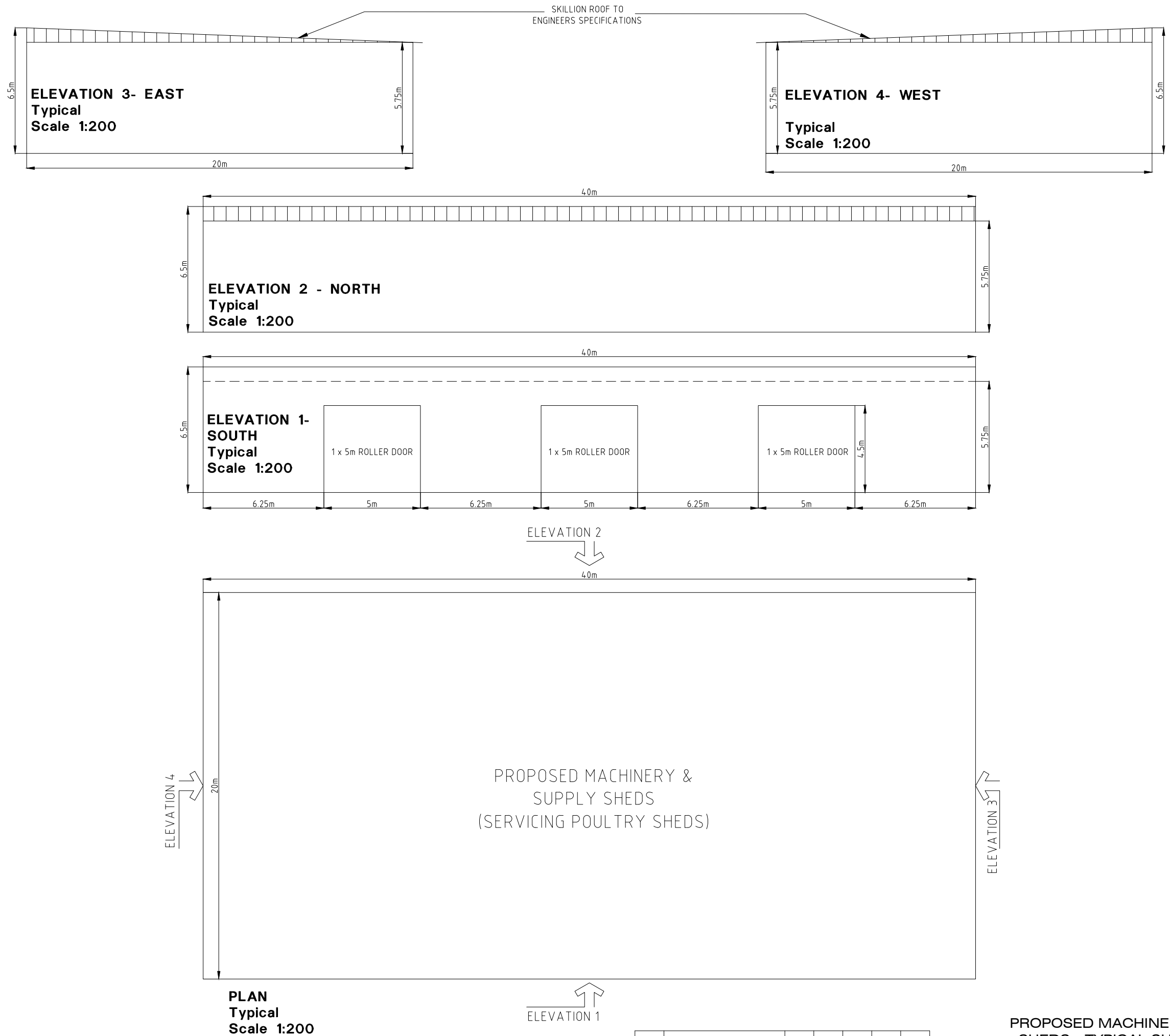


LINE.2

H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD, Optimised Pipe Sizing	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	LH	LH	-	-	31/10/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

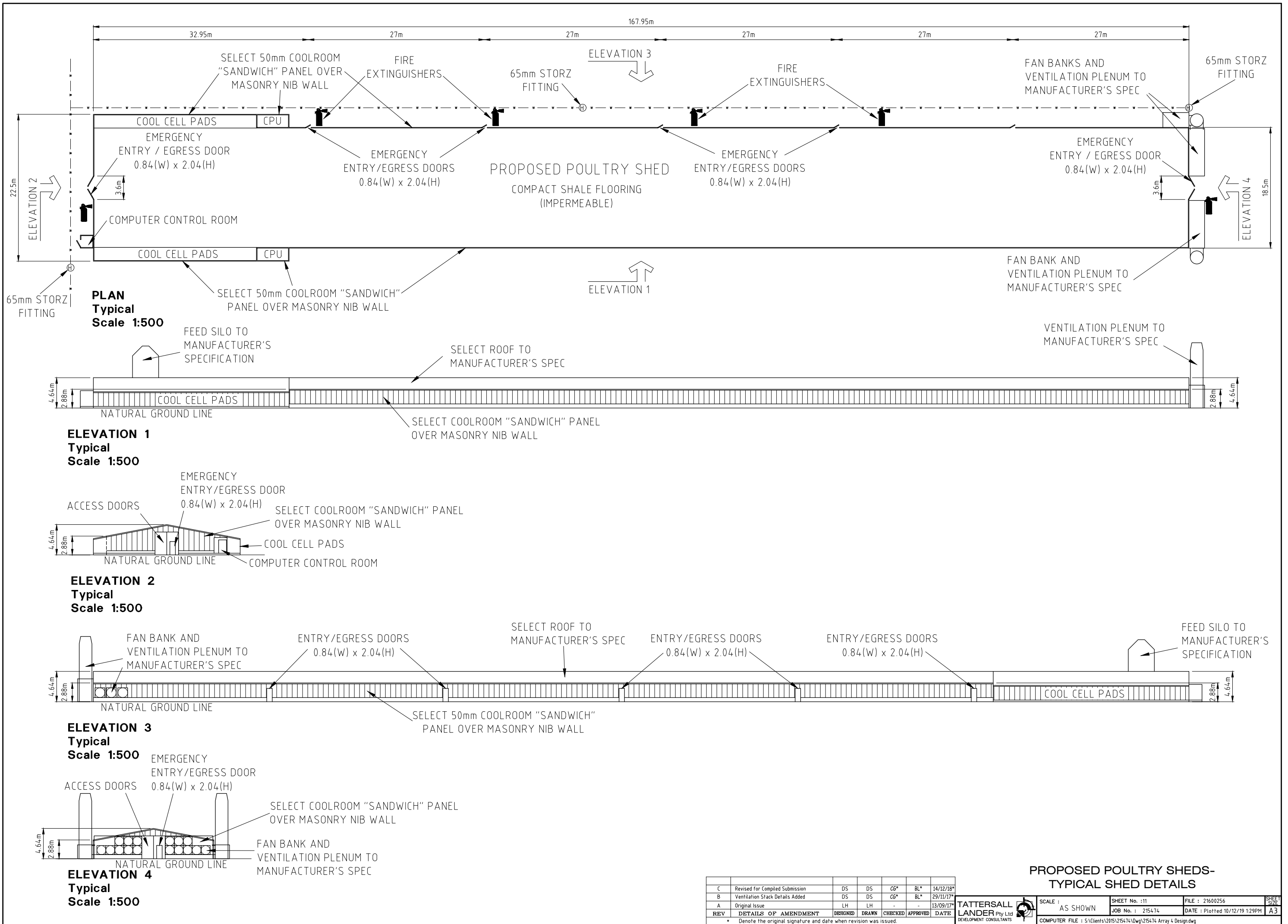
TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. :9 JOB No. : 215474	FILE : 21600257 DATE : Plotted 10/12/19 1:29PM	SHEET SIZE A3
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 4 Design.dwg				

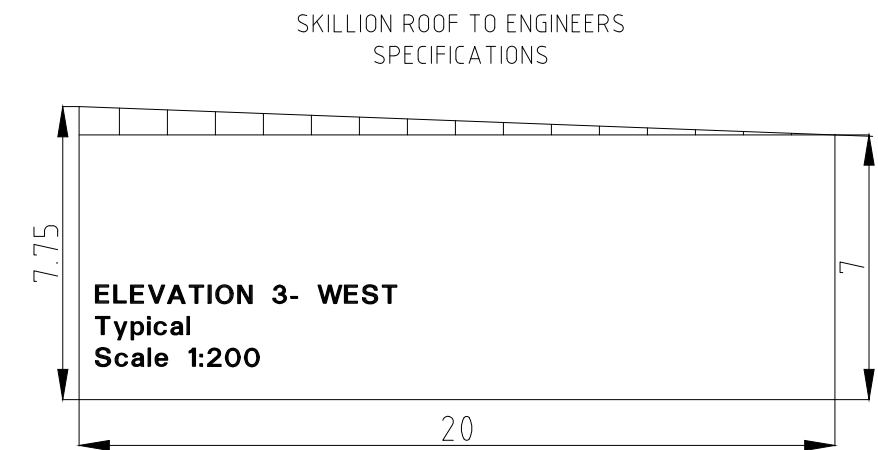
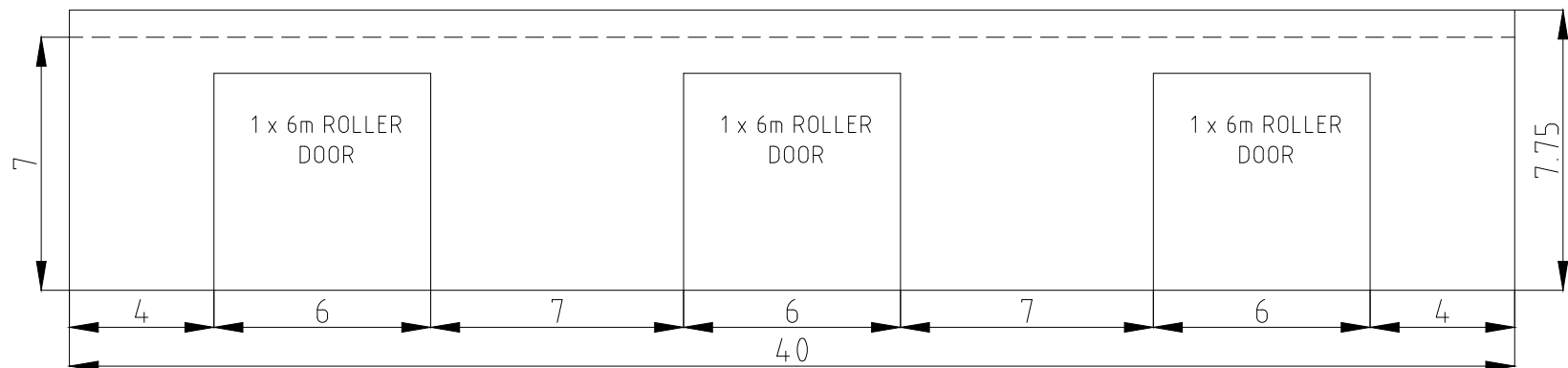
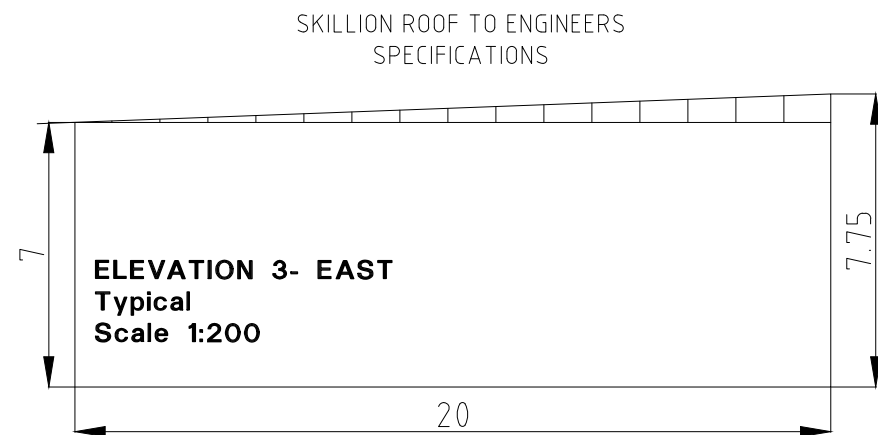
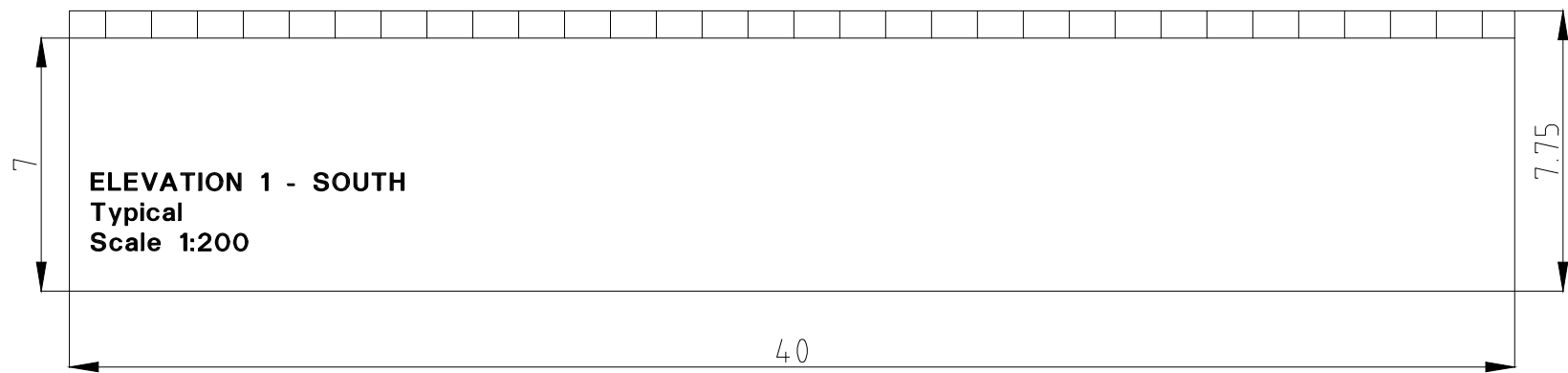


B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	LH	LH	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

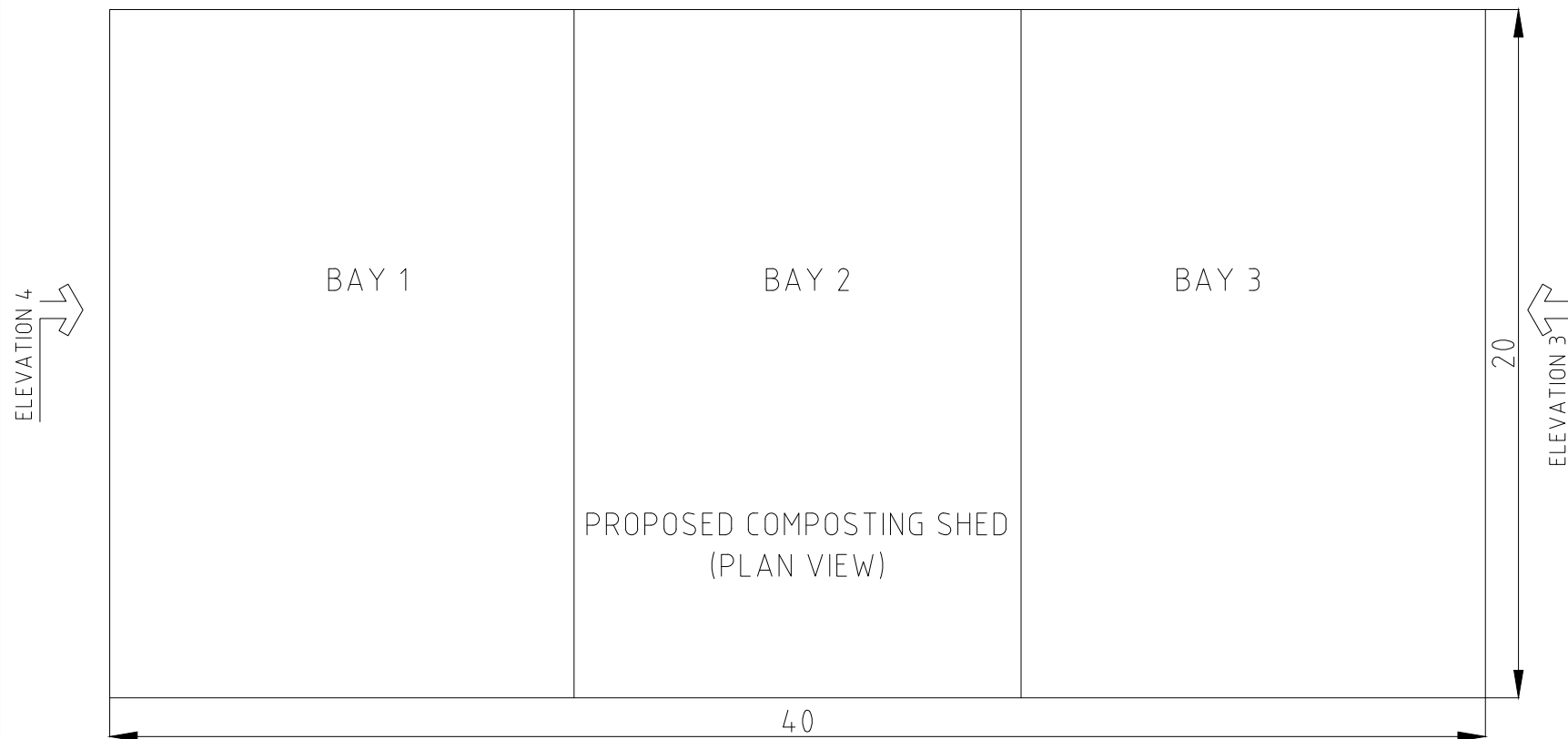
TATTERSALL
LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE :	AS SHOWN	SHEET No. :10	FILE : 21600255	SHEET SIZE
COMPUTER FILE :	S:\Clients\2015\215474\Drawings\215474 Array 4 Design.dwg	JOB No. : 215474	DATE : Plotted 10/12/19 1:29PM	A3





ELEVATION 2
↓



PLAN
Typical
Scale 1:200

ELEVATION 1
↑

ELEVATION 3
↑

ELEVATION 4
↑

NOTE:
CLADDING TO BE COLOUR
BONDED METAL OF
NEUTRAL COLOUR

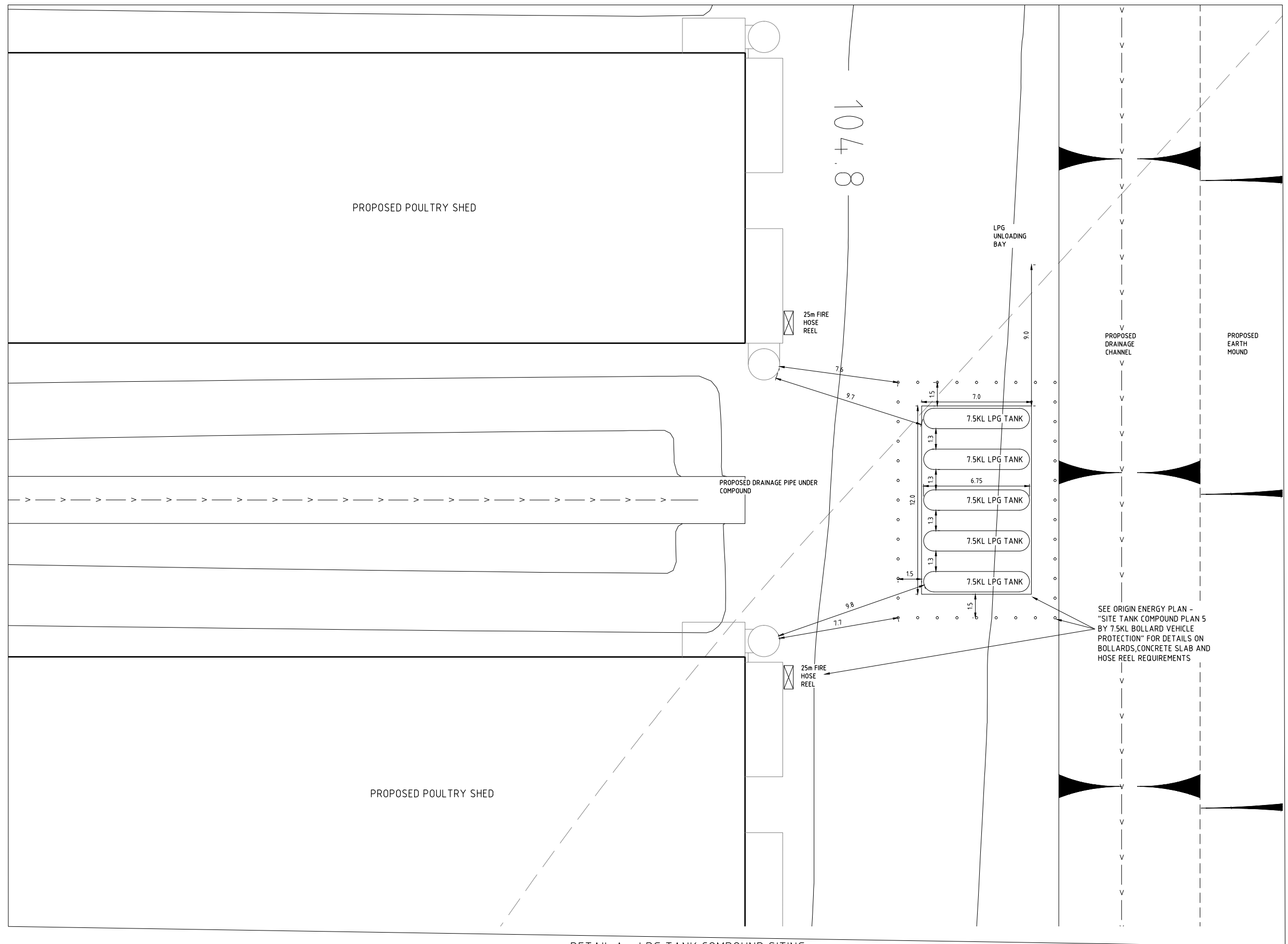
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*

TATTERSALL
LANDER Pty Ltd
DEVELOPMENT CONSULTANTS



SCALE :	AS SHOWN	SHEET No. :12	FILE : 21600441	SHEET SIZE
COMPUTER FILE :	S:\Clients\2015\215474\Drawg\215474 Array 4 Design.dwg	JOB No. : 215474	DATE : Plotted 10/12/19 1:29PM	A3

**PROPOSED COMPOSTING
SHED - TYPICAL SHED DETAILS**

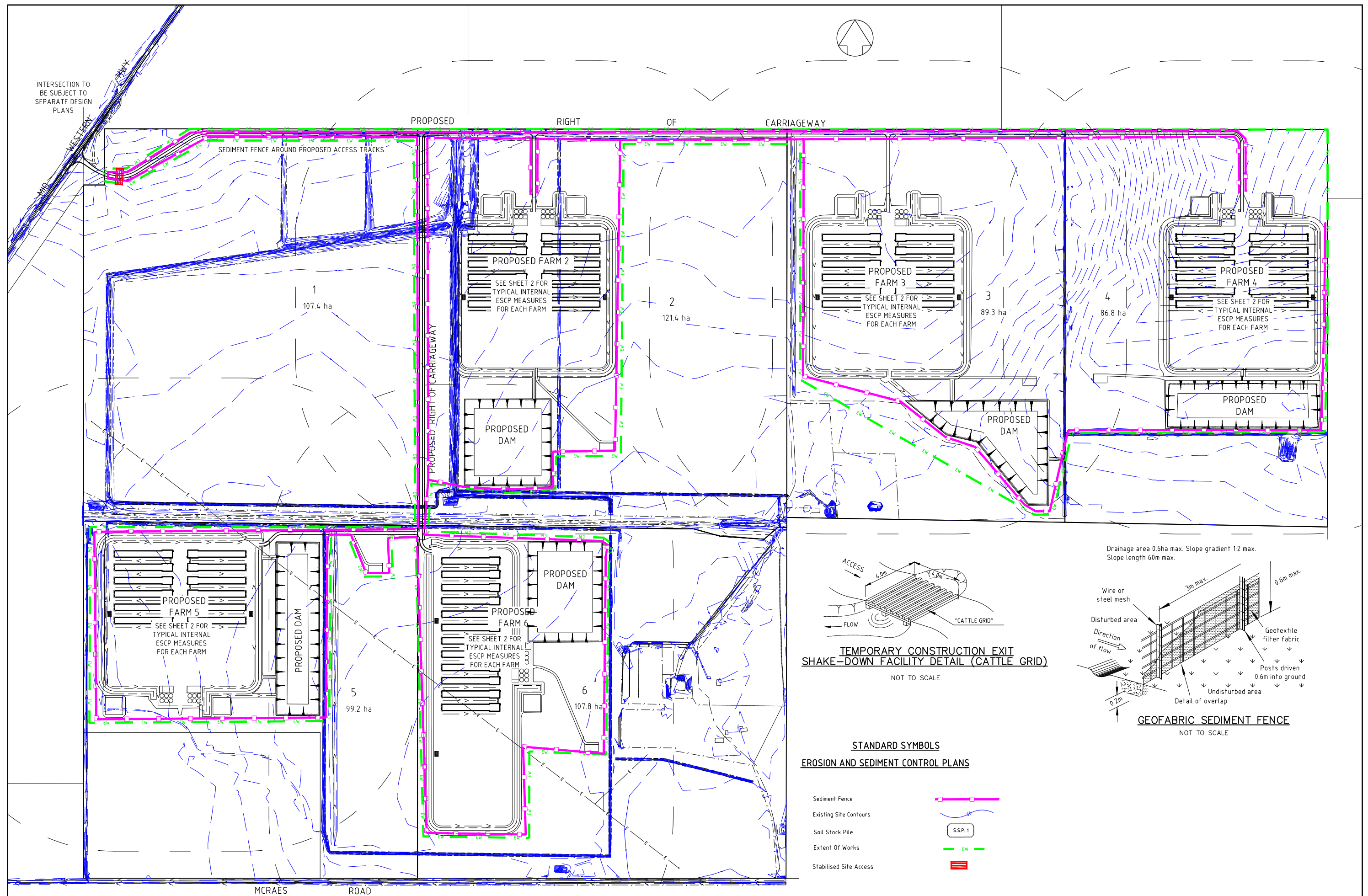


DETAIL A - LPG TANK COMPOUND SITING
(1:250 @ A3)

B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

LPG COMPOUND SITING

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS		SCALE : 	SHEET No. : 14	FILE : 21800310	SHEET SIZE
		(1: 3000for A3 Size Plot)	JOB No. : 215474	DATE : Plotted 10/12/19 1:29PM	A3
		COMPUTER FILE : S:\Clients\2015\215474\Draw\215474 Array 4 Design.dwg			



D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

* Denote the original signature and date when revision was issued.

ESCP - OVERALL DEVELOPMENT

/18*	TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS
/18*	
TE	

SCALE : 
(1:10000 for A3 Size Plot)
COMPUTER FILE : S:\clients\

SHEET No. :15
JOB No. : 215474

FILE :	21800311
DATE :	Plotted 10/12/2011

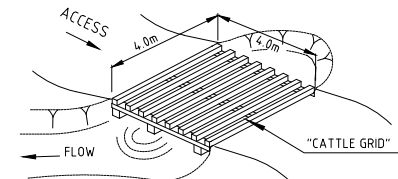
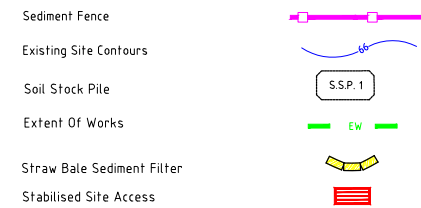
SHEET
SIZE
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 4 Design.dwg



STANDARD SYMBOLS

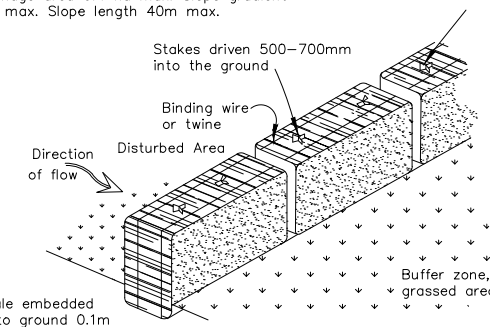
EROSION AND SEDIMENT CONTROL PLANS



TEMPORARY CONSTRUCTION EXIT SHAKE-DOWN FACILITY DETAIL (CATTLE GRID)

NOT TO SCALE

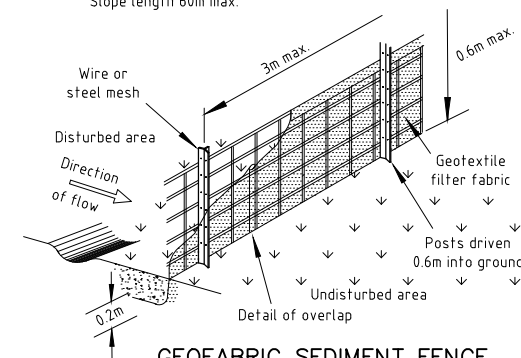
Drainage area 0.4 ha max. Slope gradient
1:2 max. Slope length 40m max.



STRAW BALE SEDIMENT FILTER

NOT TO SCALE

Drainage area 0.6ha max. Slope gradient 1:2 max.
Slope length 60m max.

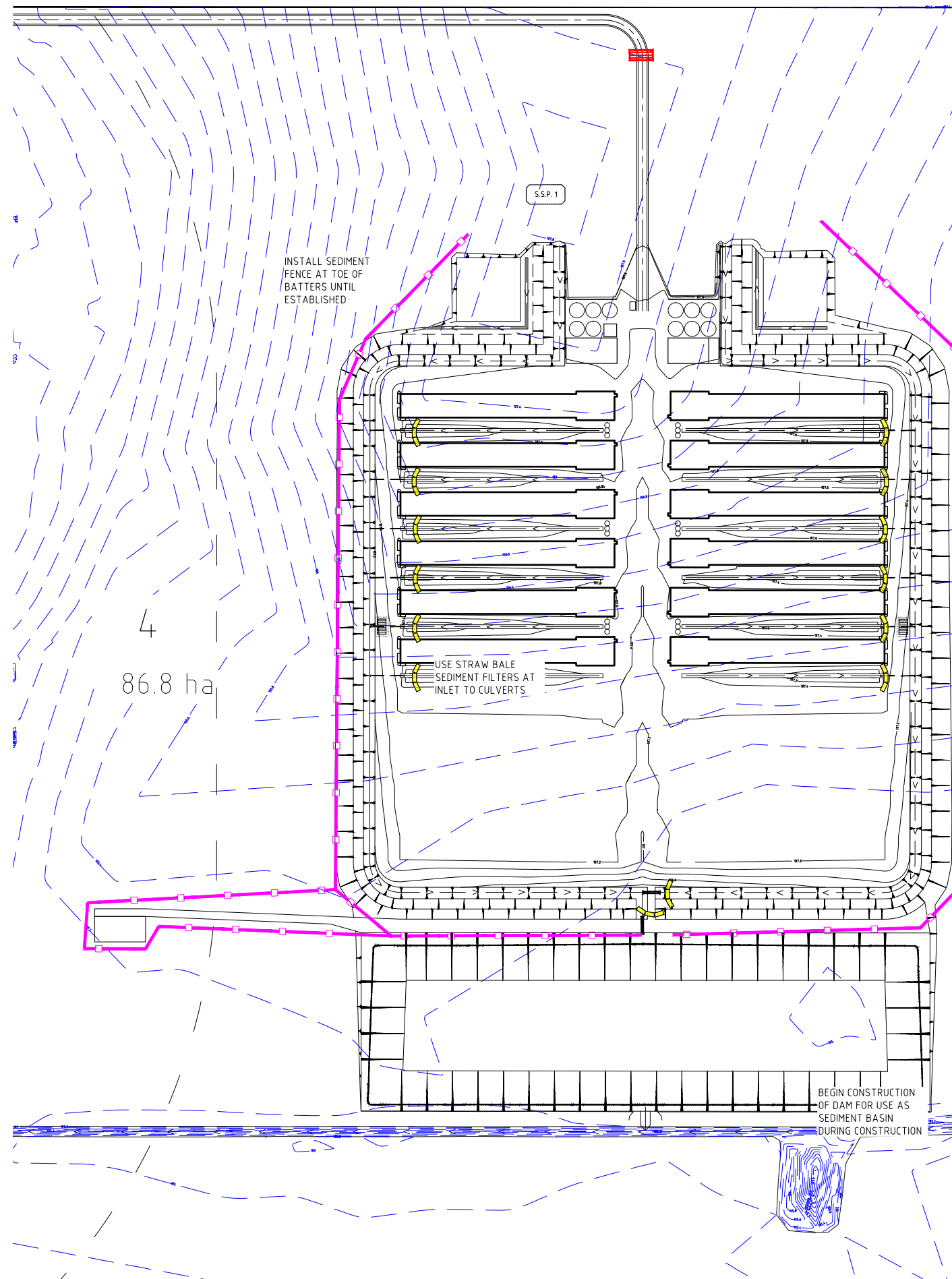


GEOFABRIC SEDIMENT FENCE

NOT TO SCALE

SOIL & WATER MANAGEMENT NOTES

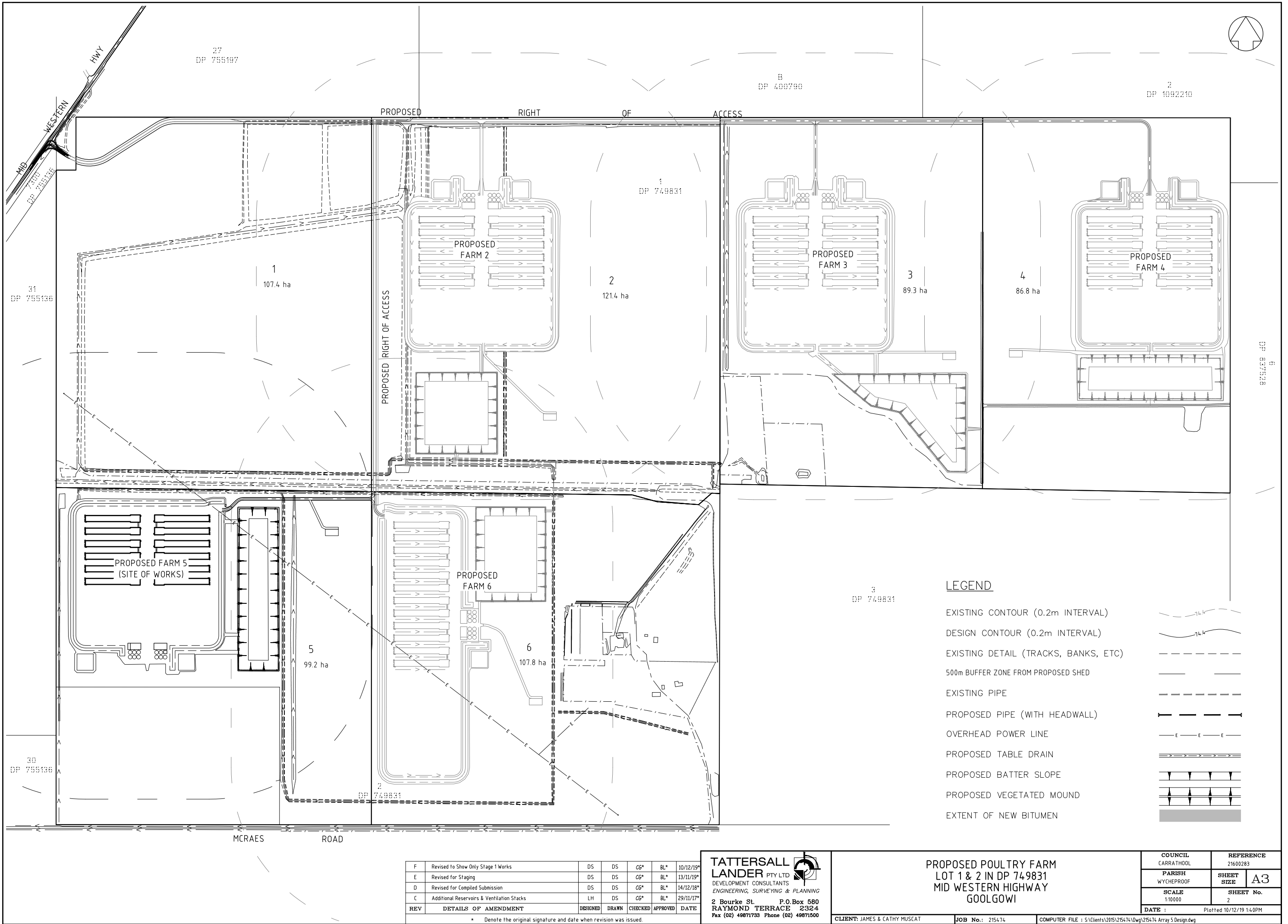
- This plan is to be read in conjunction with other engineering plans and any written instructions that may be issued.
- The contractor shall implement all soil erosion and sediment control measures prior to disturbance of the related catchment area and to the satisfaction of the Superintendent. This includes establishing temporary construction sediment basin in location of final dam formation.
- The location of "silt" fences, barrier fences, sediment traps, basins and other devices are indicative only and final locations are to be decided on site. Variations will be permitted to best suit the circumstances.
- Cleared vegetation must be disposed of by :-
 - chipping or mulching for future landscaping and usage, or
 - transport to an approved landfill facility.
- Temporary crossbanks (bunds constructed with earth, straw bales or sandbags), shall be constructed during roadworks to limit slope length, where possible, to 80 metres. These shall be constructed immediately prior to forecast rain and during temporary closure of the site, including weekends.
- Temporary rehabilitation should be undertaken on disturbed areas where works have stopped and soils are expected to remain exposed for two months.
- Sediment barriers (e.g. sandbags or straw bales) should be located upstream of stormwater inlet pits prior to the road surface being paved and lands upslope being rehabilitated.
- At the conclusion of each day sand bags are to be placed at the end of completed sections of road pavement to prevent scouring.
- The contractor will inspect all erosion and pollution control works at least weekly and following every rainfall event greater than 5mm, providing particular attention to the following matters :
 - Ensure drains operate effectively and initiate repair as required.
 - Remove spilled sand (or other materials) from hazard areas, including lands closer than 5 metres from likely areas of concentrated or high velocity flows such as waterways and paved areas.
 - Ensure rehabilitated lands have effectively reduced the erosion hazard and initiate upgrading or repair as appropriate.
 - Construct additional erosion and/or sediment control works as might become necessary to ensure the desired protection is given to downslope lands and waterways, i.e. make ongoing changes to the plan.
 - Maintain erosion and sediment control measures in a functioning condition until all earthwork activities are completed and the site is rehabilitated.
 - Remove temporary soil conservation structures as a last activity in the rehabilitation program.
- Utilise a single access only to the stock pile sites.
- Do not taint clean catchment water with silt from the works.
- Drop inlets which do not outlet to silt traps shall be blocked until all works are completed.
- Rehabilitate the site as soon as possible after the completion of construction activities and within 10 working days. Lands where works are not to continue for more than 20 working days must be rehabilitated. Such rehabilitation shall involve the spraying of a straw-bitumen mulch to the disturbed lands or equivalent.
- Access areas limited to a maximum width of 10 (preferably 5) metres.
- All positions shown are approximate and are best determined on site in conjunction with the superintendent.
- Conformity with this plan shall in no way reduce the responsibility of the Contractor to protect against water damage during the course of the contract.
- Topsoil and spoil shall be stockpiled in non-hazard areas and protected from surface run-off by diversion drains or similar. Stockpiles shall be surrounded on downstream sides by silt fencing. Stockpiles shall be suitably compacted to inhibit erosion. Where the stockpiling period exceeds four (4) weeks, the stockpile shall be seeded to encourage vegetation growth.
- Topsoil shall be respread and stabilised as soon as possible. Disturbed areas shall be left with a scarified surface to encourage water infiltration and assist keying in topsoil.
- The contractor shall provide a turf strip behind all kerb and gutter at completion of footpath formation.
- The contractor shall maintain grass cover until all works have been completed including the maintenance period, by frequent watering and mowing where required.
- All drainage works shall be constructed and stabilised as quickly as possible to minimise risk of erosion.
- Vehicular traffic shall be controlled during construction confining access where possible to proposed or existing road alignments plus 3 metres. Areas to be left undisturbed shall be marked off.
- Site access shall be restricted to a nominated point. The construction of a shake-down area will be required at the entry to the site.
- Facilities and/or equipment must be provided for the application of water to disturbed areas to minimise the generation of airborne dust from any area disturbed by construction activities.
- Material removed from sediment control structures must be disposed of in a way that does not pollute waters or bushland.
- Waste disposal containers must be provided on site for the collection and disposal of all industrial and domestic type wastes generated on site.
- Concrete wastes or washings from any concrete mixture or deliveries must not be deposited in any location where they can flow or be washed into waters.
- Runoff from vehicle, construction plant or mobile plant maintenance and cleaning areas must be contained, collected and disposed of in a manner to prevent entry into any waters, including sediment retention ponds.
- Fuelling of vehicles and construction plant must be carried out with an operator or driver present, and in a way that prevents any spillage occurring.

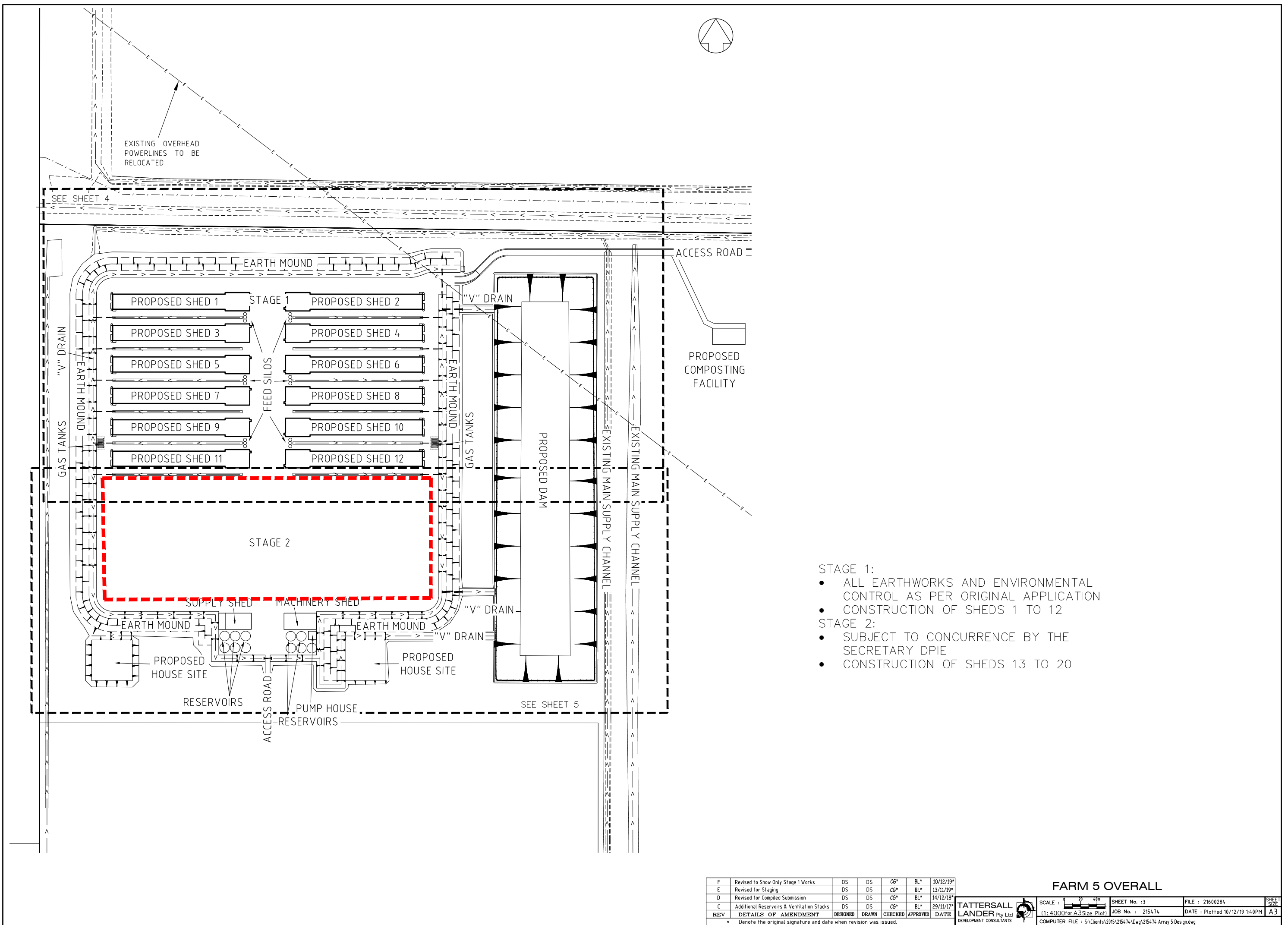


D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

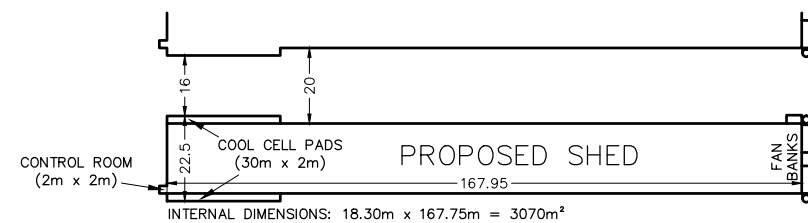
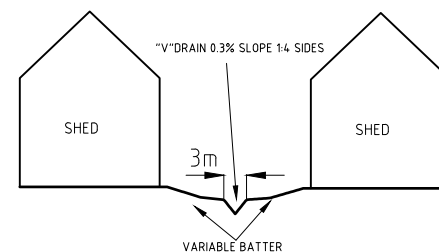
FARM 4 ESCP

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : 1:4000 (for A3 Size Plot)	SHEET No. : 16	FILE : 21800312	SHEET SIZE : A3
		JOB No. : 215474	DATE : Plotted 10/12/19 12:59PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 4 Design.dwg				





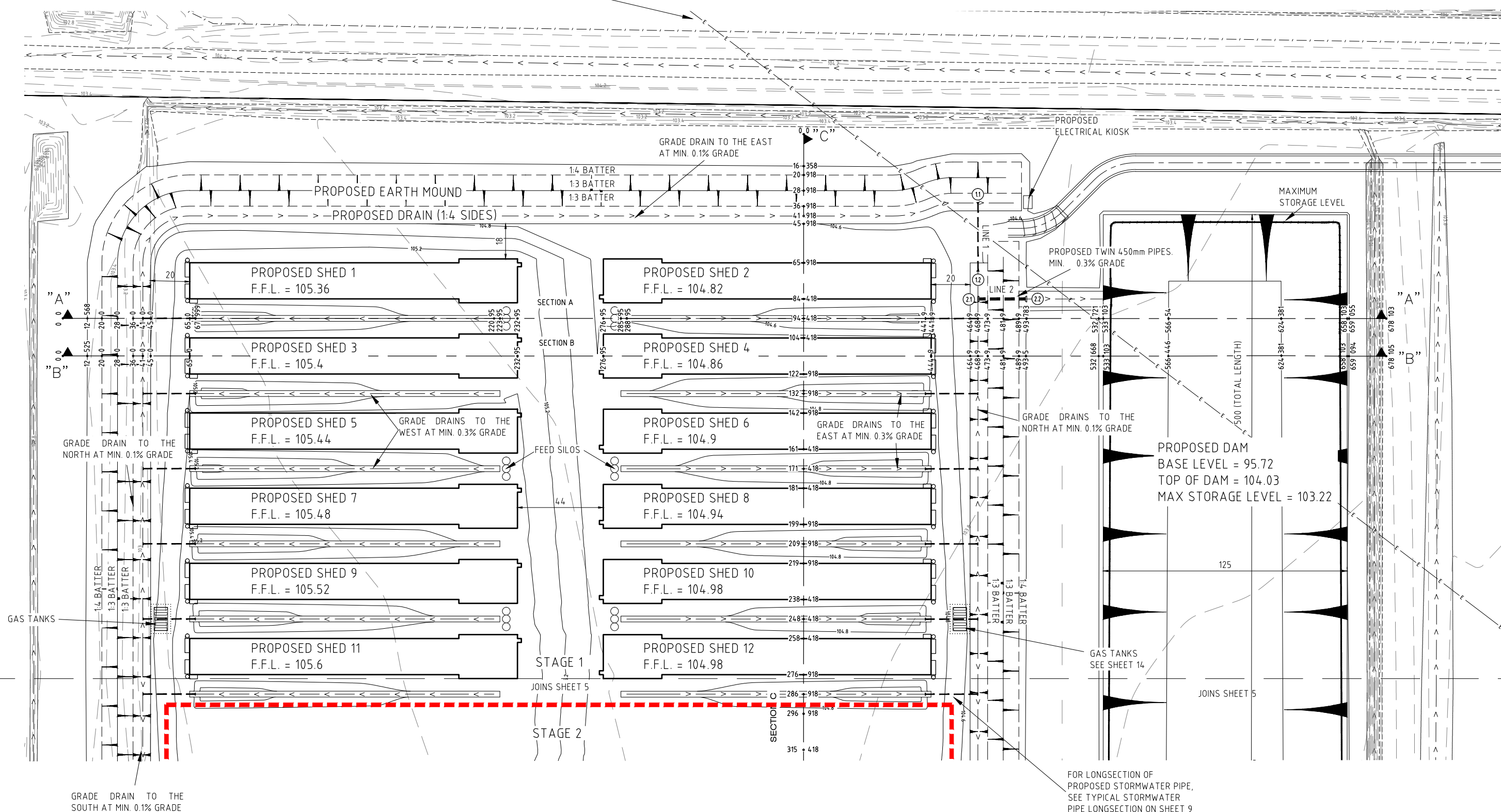
- STAGE 1:
- ALL EARTHWORKS AND ENVIRONMENTAL CONTROL AS PER ORIGINAL APPLICATION
 - CONSTRUCTION OF SHEDS 1 TO 12
- STAGE 2:
- SUBJECT TO CONCURRENCE BY THE SECRETARY DPIE
 - CONSTRUCTION OF SHEDS 13 TO 20



EXISTING OVERHEAD
POWERLINES TO BE
RELOCATED

TYPICAL DRAIN BETWEEN SHEDS
NOT TO SCALE

TYPICAL SHED DIMENSIONS
NOT TO SCALE



E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

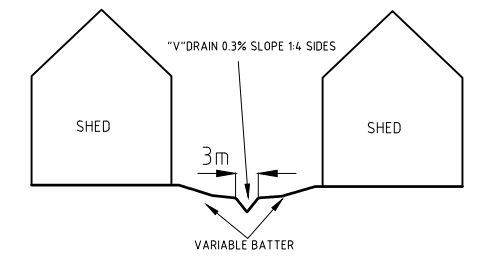
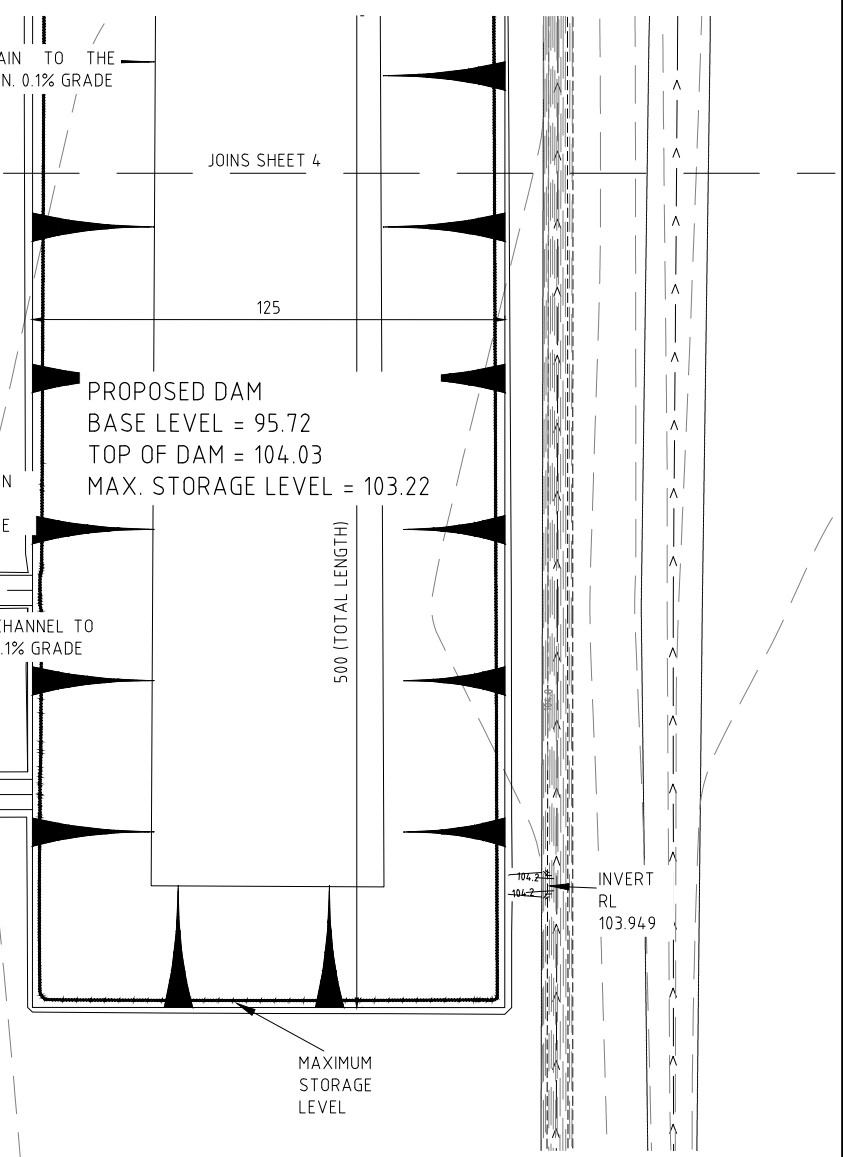
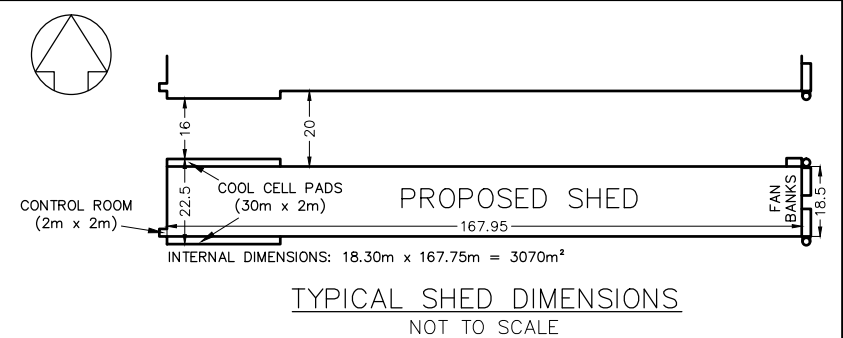
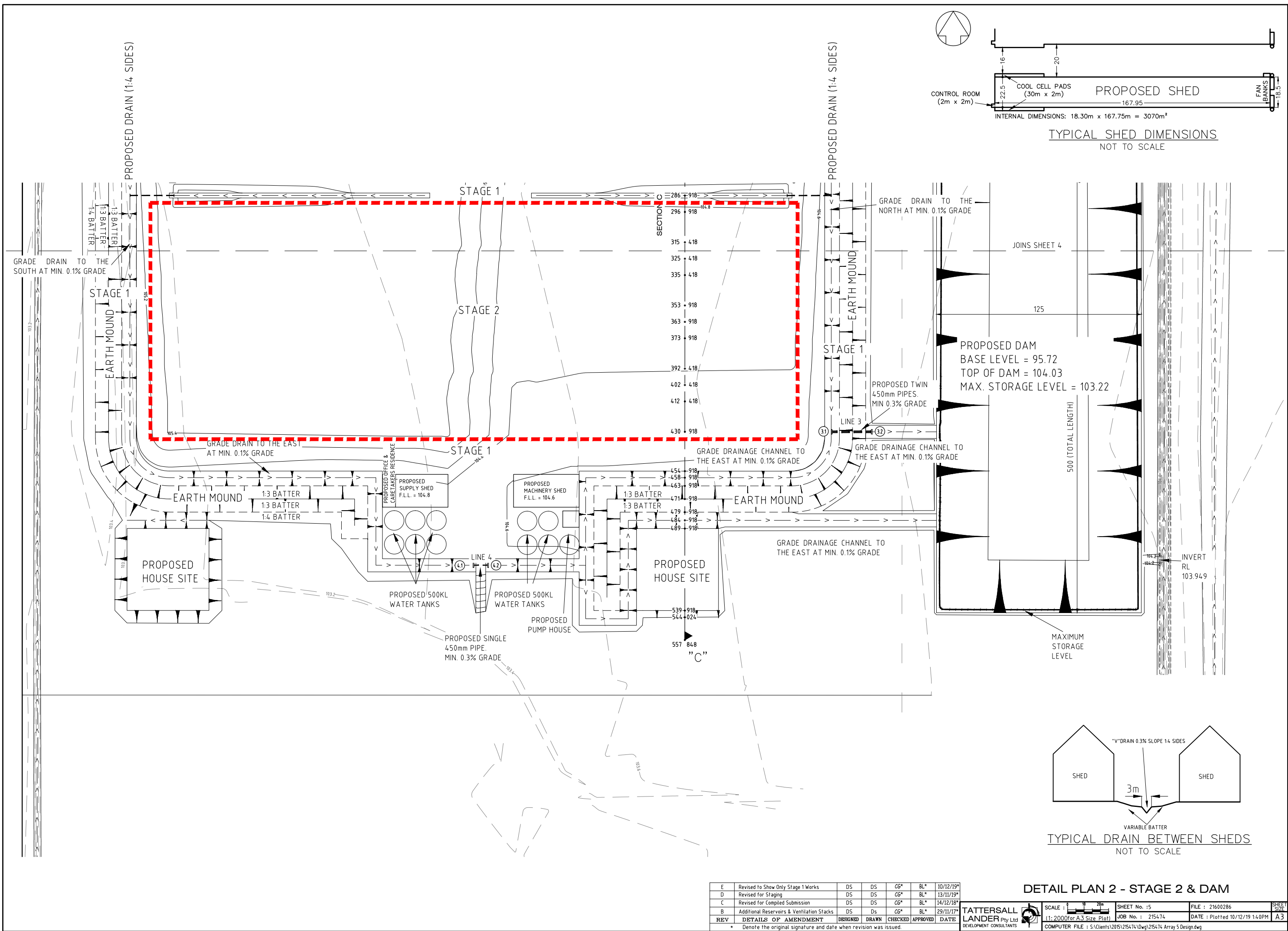
DETAIL PLAN 1 - SHEDS 1 TO 12

TATTERSALL
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Pty Ltd
DEVELOPMENT CONSULTANTS



SCALE : 1:2000 (for A3 Size Plot)
SHEET No. : 4
JOB No. : 215474

FILE : 21600285
DATE : Plotted 10/12/19 14:00PM
SHEET SIZE : A3
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg



E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

DETAIL PLAN 2 - STAGE 2 & DAM

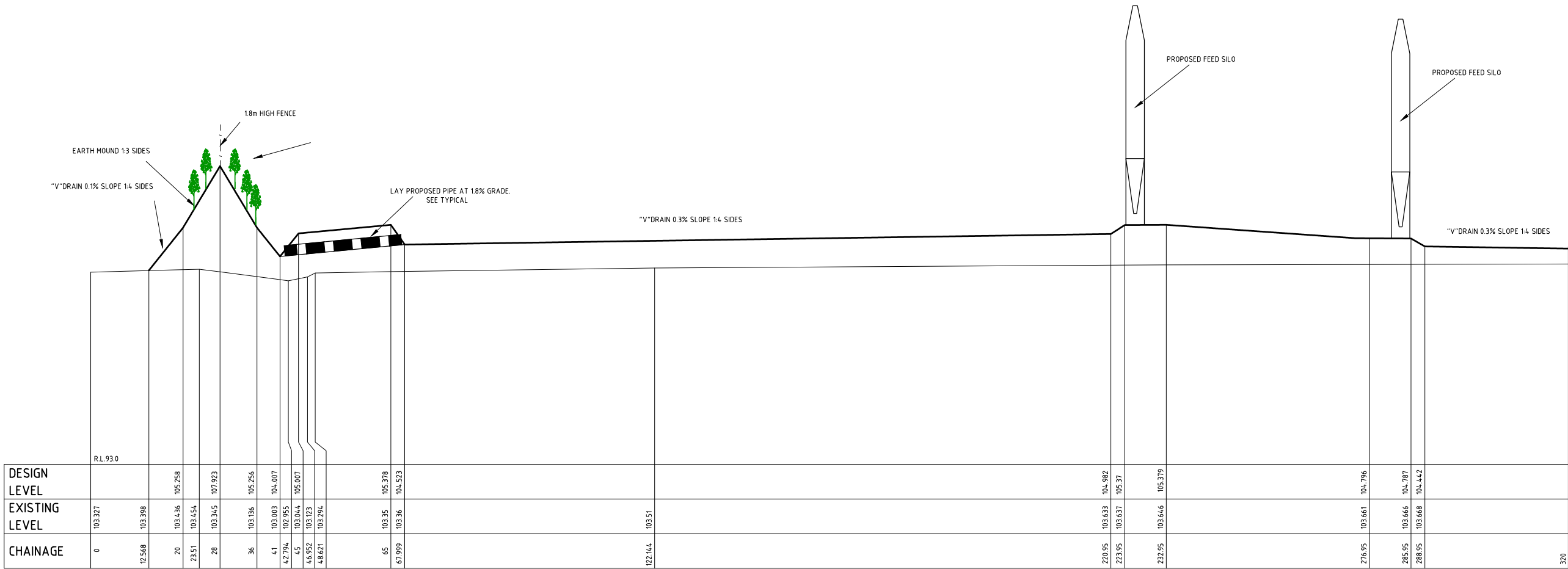
TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:2000 (for A3 Size Plot)

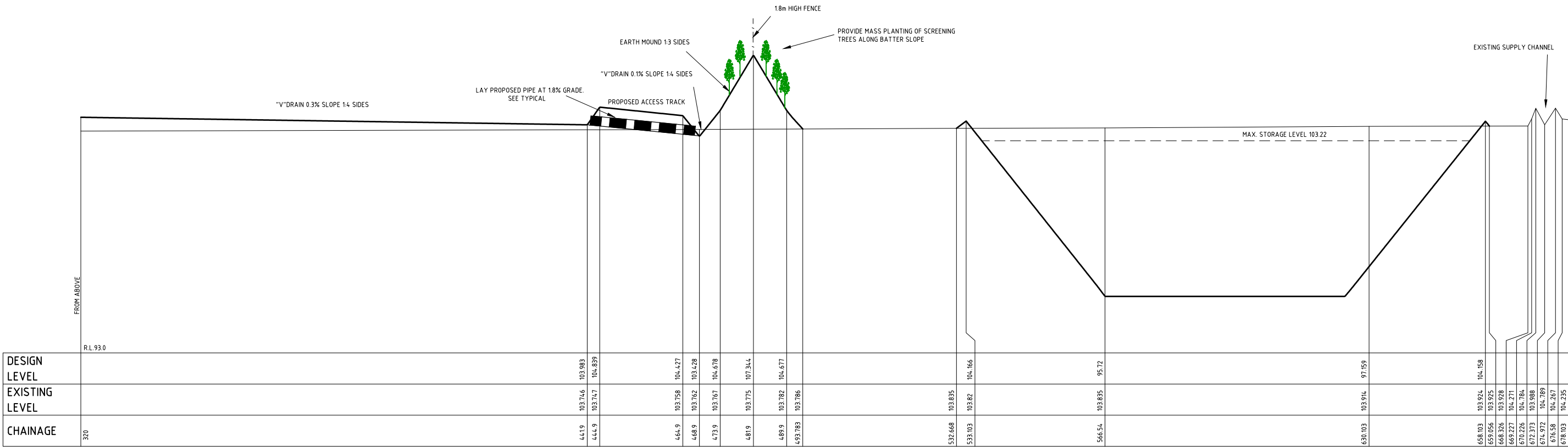
SHEET No. : 5
JOB No. : 215474
DATE : Plotted 10/12/19 14:00PM

FILE : 21600286
DATE : 10/12/19 14:00PM
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg

SHEET SIZE
A3



SECTION A
H=1:1000 V=1:200



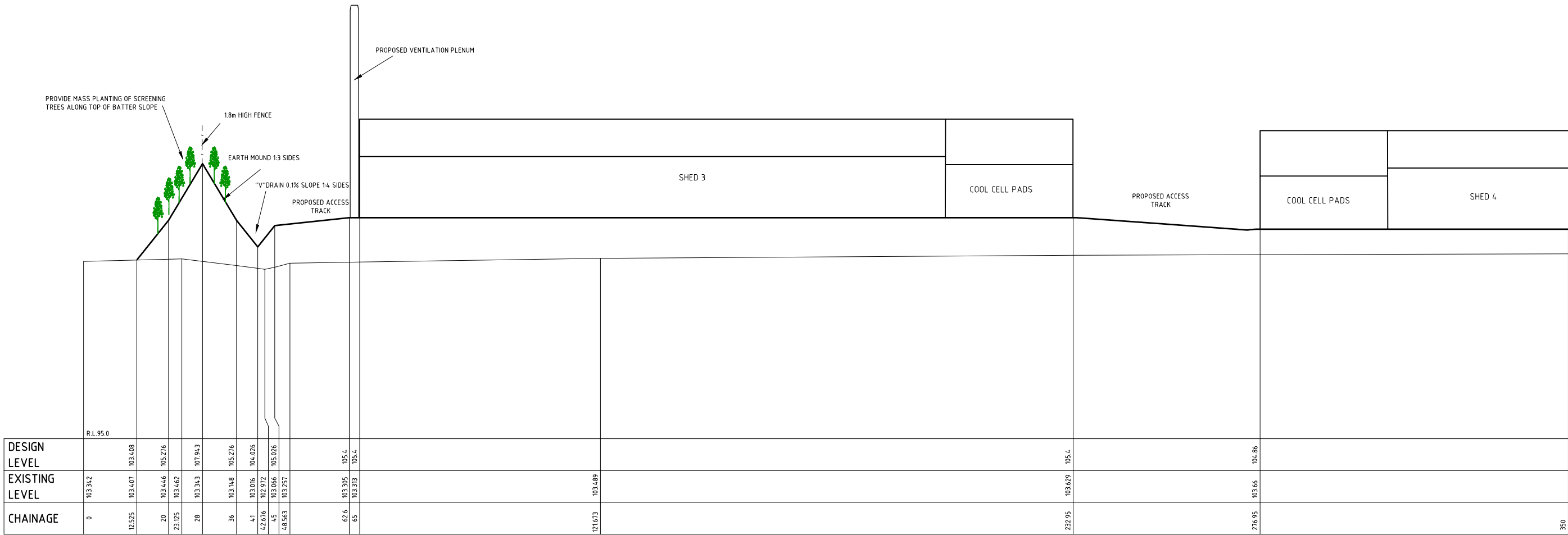
SECTION A
H=1:1000 V=1:200

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Feed Silos Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	LH	LH	-	-	14/09/17*

SITE CROSS SECTION- FARM 5 SECTION A

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. : 6	FILE : 21600287	SHEET SIZE A3
		JOB No. : 215474	DATE : Plotted 10/12/19 14:00PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg				

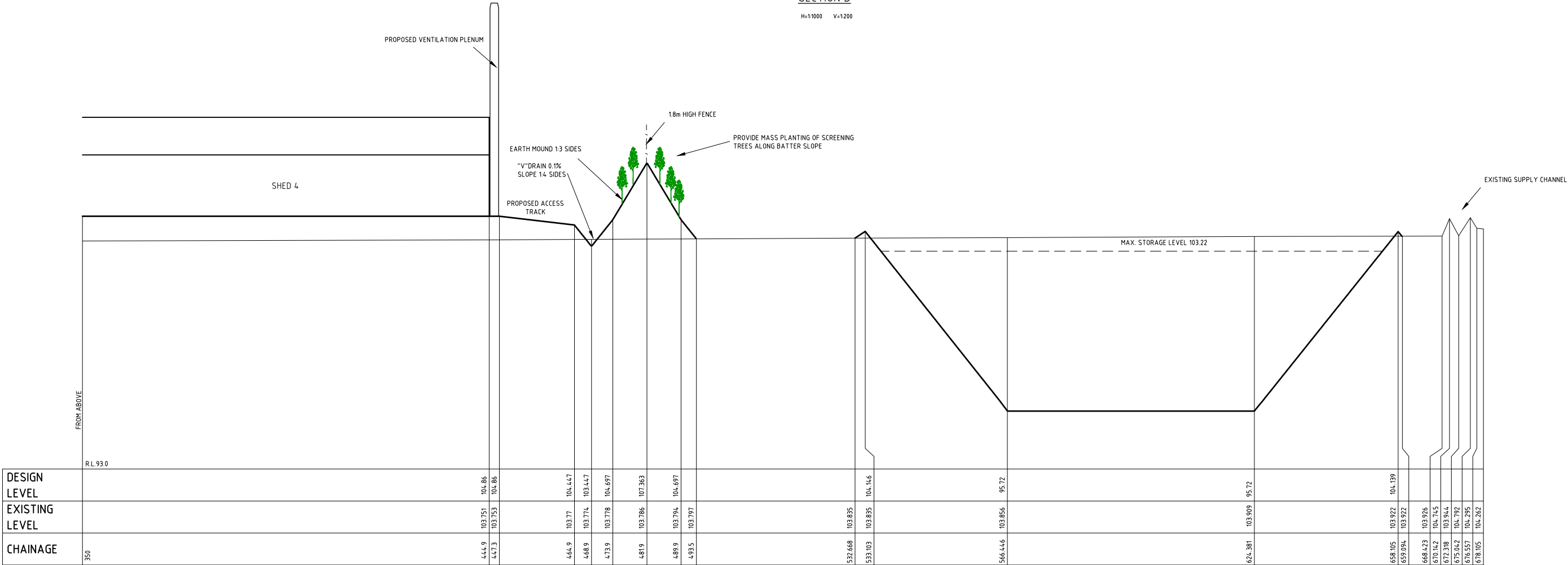
* Denote the original signature and date when revision was issued.



CONTINUES BELOW

SECTION B

H=11000 V=1200



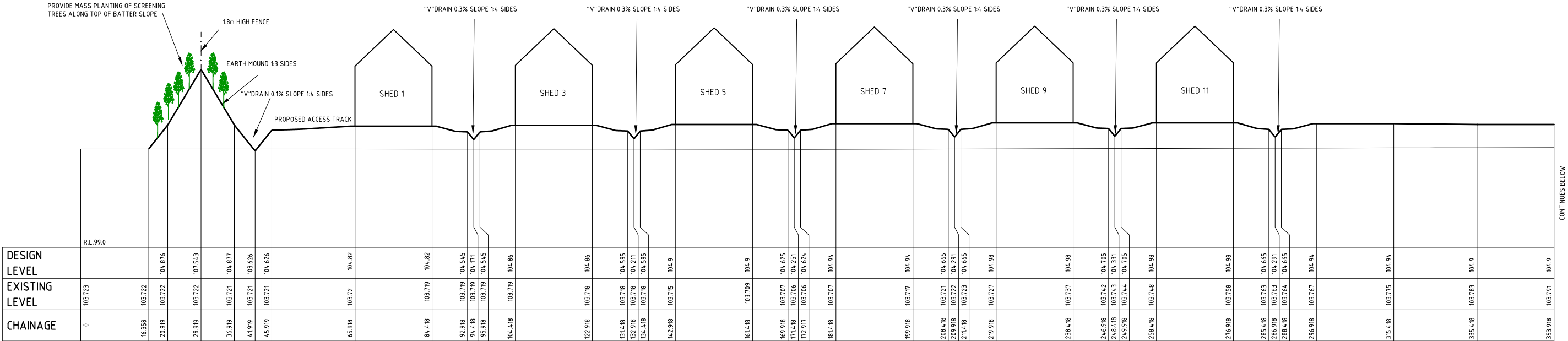
SECTION B

H=11000 V=1200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stacks Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	LH	LH	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

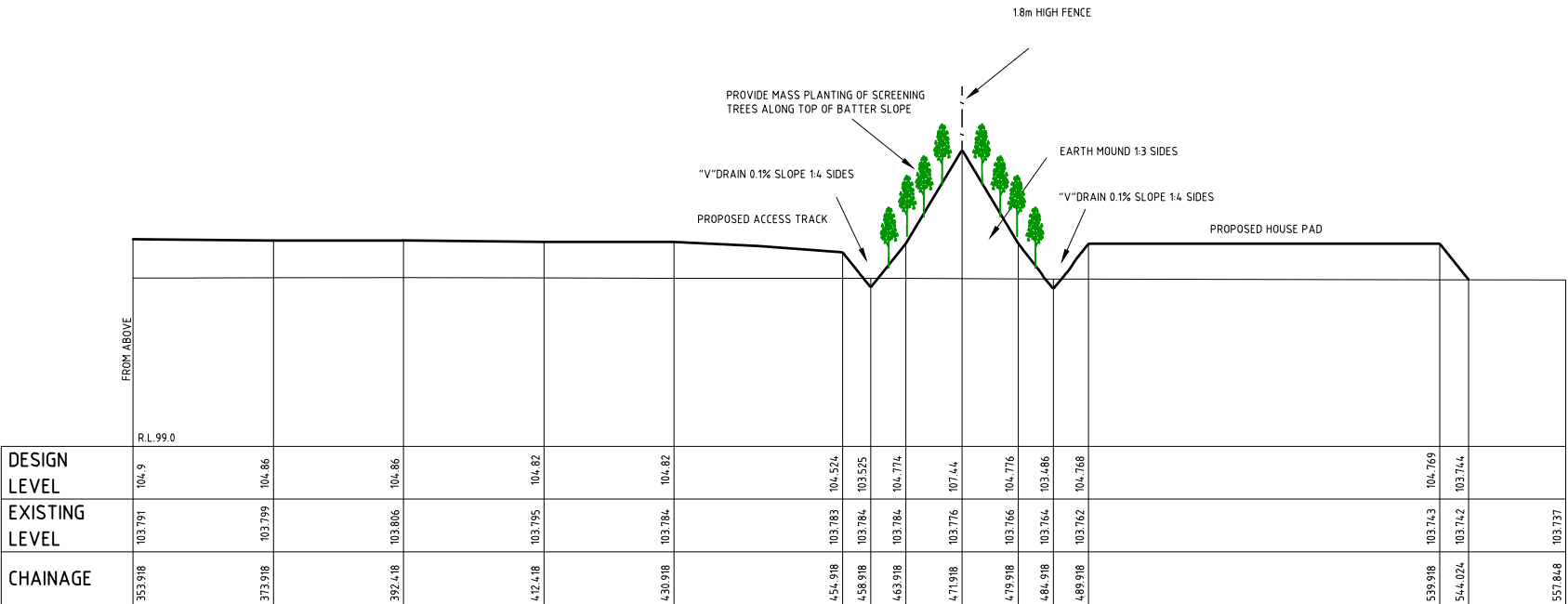
SITE CROSS SECTION- FARM 5 SECTION B

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. : 7	FILE : 21600288	SHEET SIZE A3
		JOB No. : 215474	DATE : Plotted 10/12/19 1:40PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg				



SECTION C

H=1:1000 V=1:200



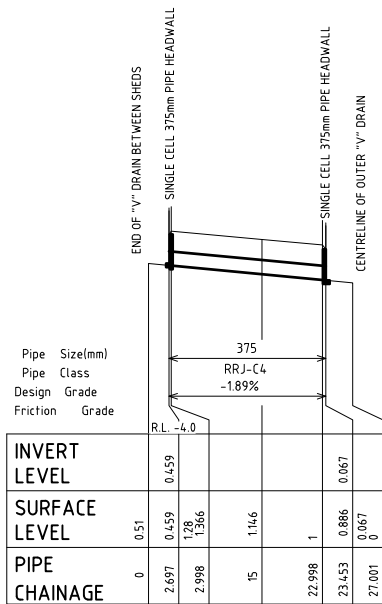
SECTION C

H=1:1000 V=1:200

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DRAWN	CHECKED	APPROVED	DATE	
* Denote the original signature and date when revision was issued.						

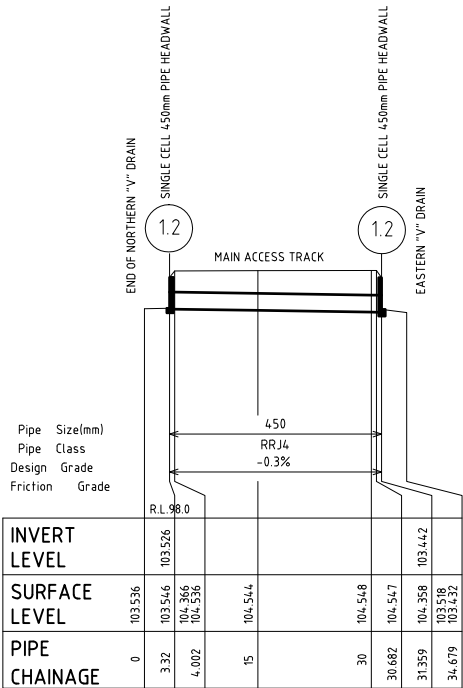
SITE CROSS SECTION- FARM 5 SECTION C

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS		SCALE :	SHEET No. :8	FILE : 21600289	SHEET SIZE
		AS SHOWN	JOB No. : 215474	DATE : Plotted 10/12/19 14:0PM	A3
		COMPUTER FILE : S:\clients\2015\215474\Drawg\215474 Array 5 Design.dwg			



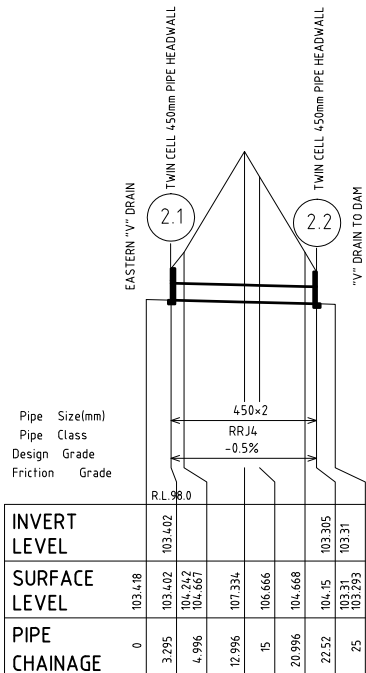
TYPICAL STORMWATER PIPE FROM SHEDS TO OUTER DRAIN

H=11000 V=1200



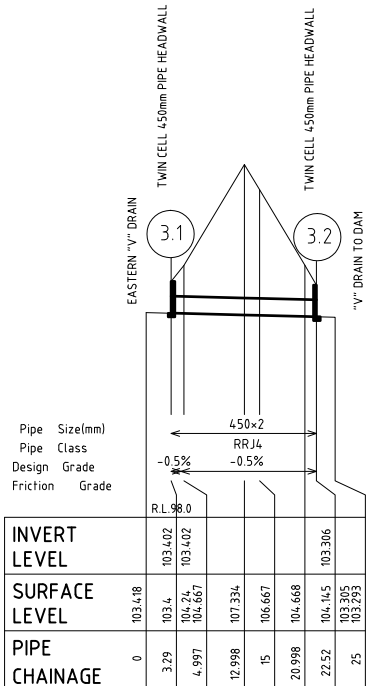
LINE.1

H=11000 V=1200



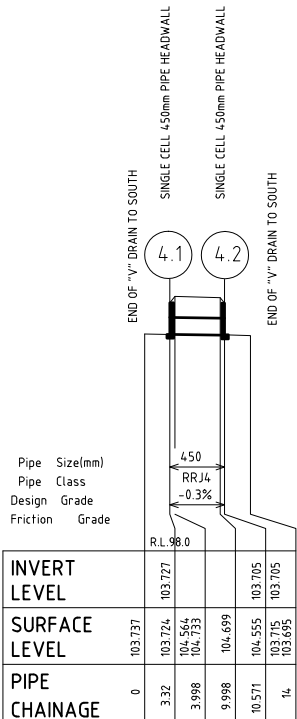
LINE.2

H=11000 V=1200



LINE.3

H=11000 V=1200



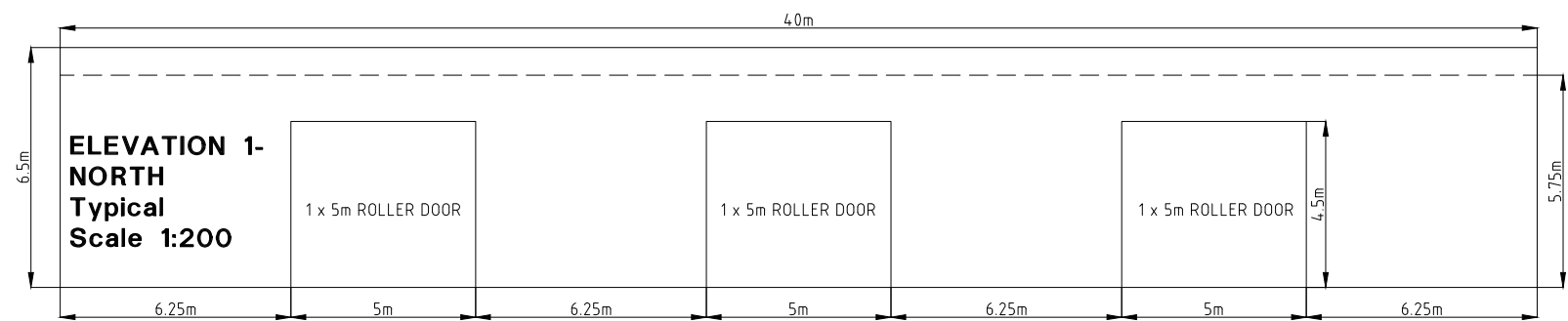
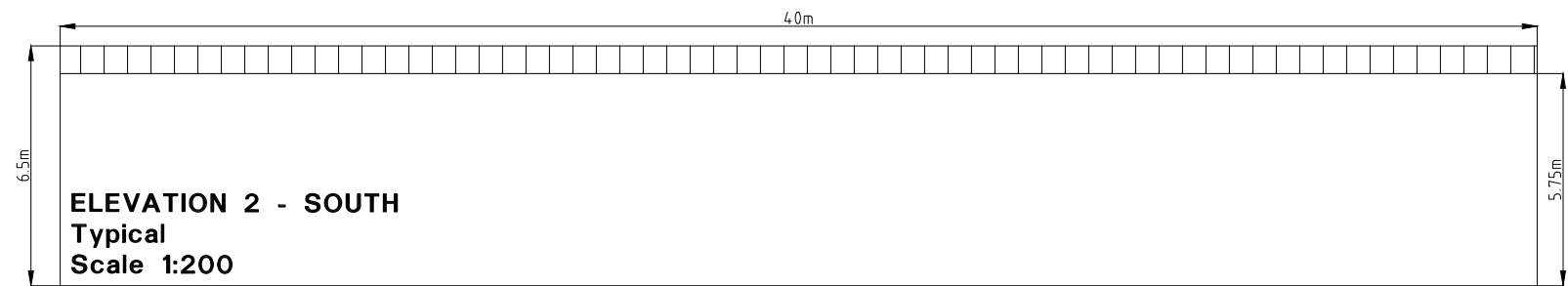
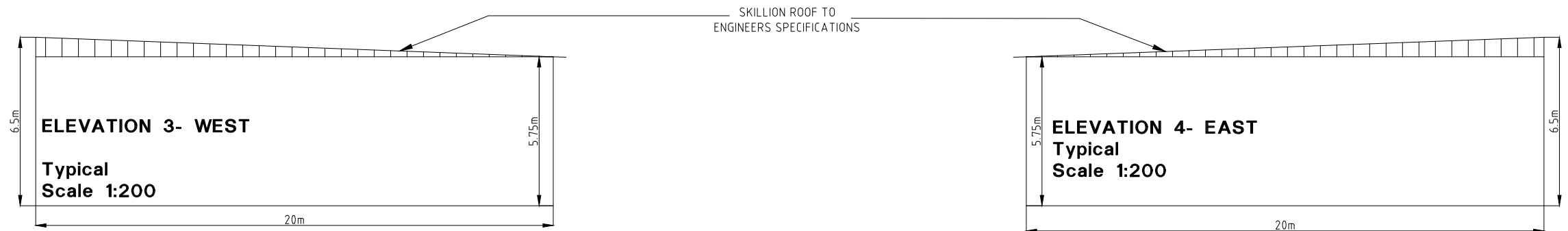
LINE.4

H=11000 V=1200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD, Optimised Pipe Sizing	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	LH	LH	-	-	31/10/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

STORMWATER LONGITUDINAL SECTIONS

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : AS SHOWN	SHEET No. : 9	FILE : 21600293	SHEET SIZE A3
		JOB No. : 215474	DATE : Plotted 10/12/19 14:0PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg				



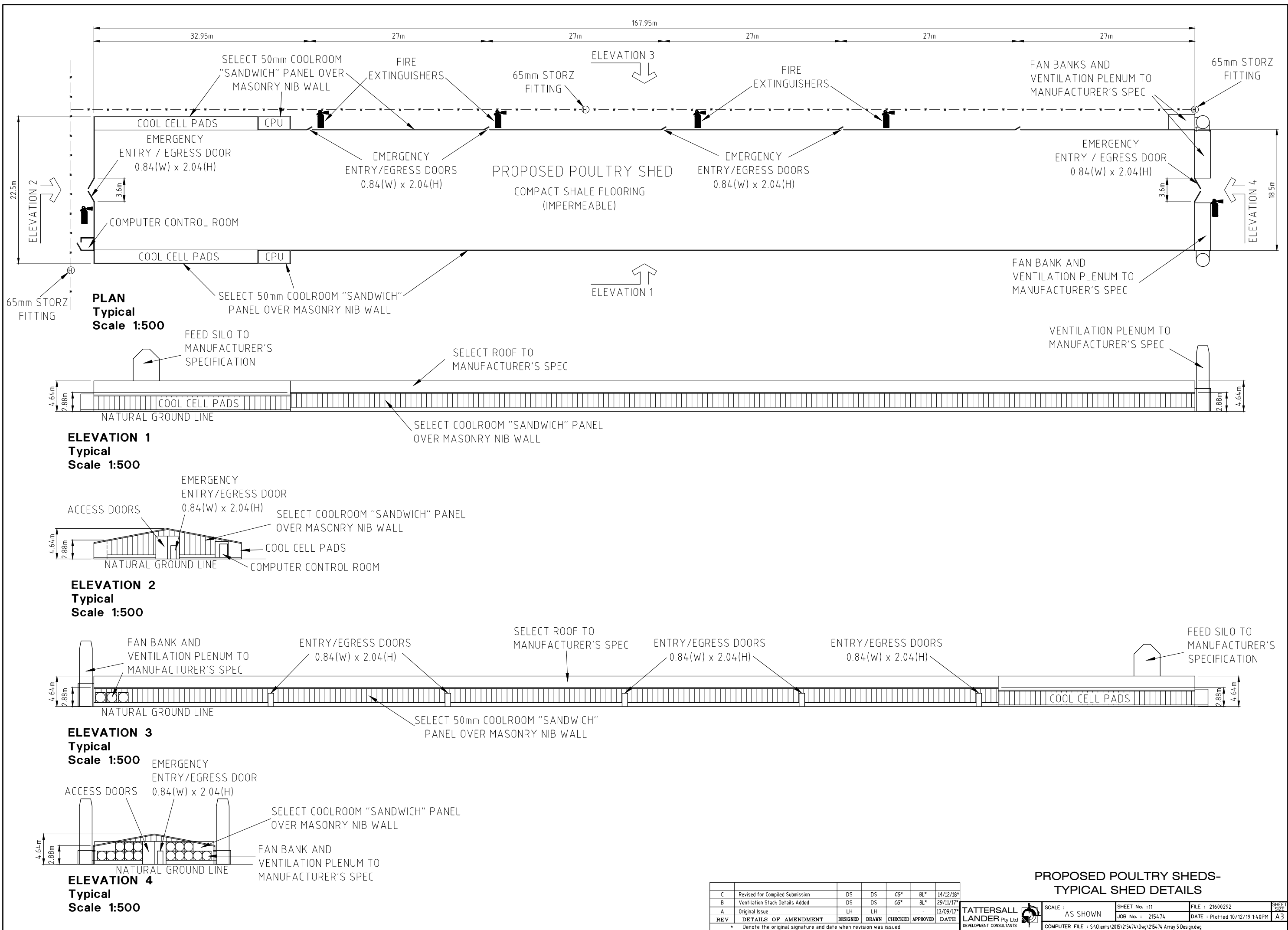
ELEVATION 1
↓
40m



B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	LH	LH	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

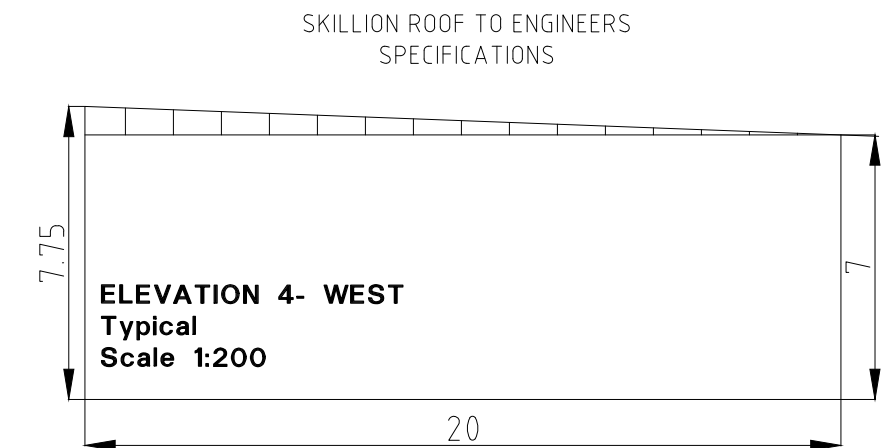
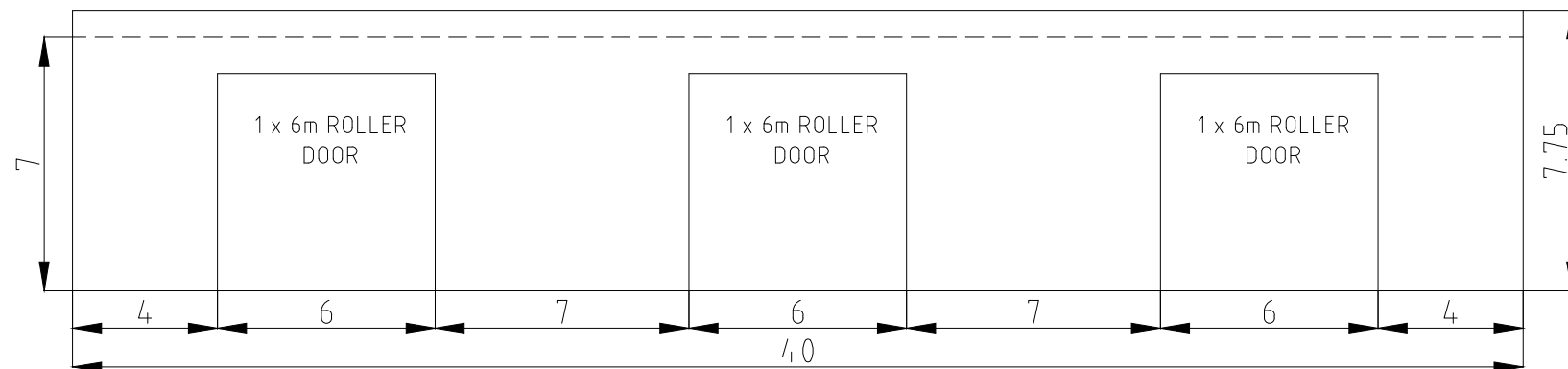
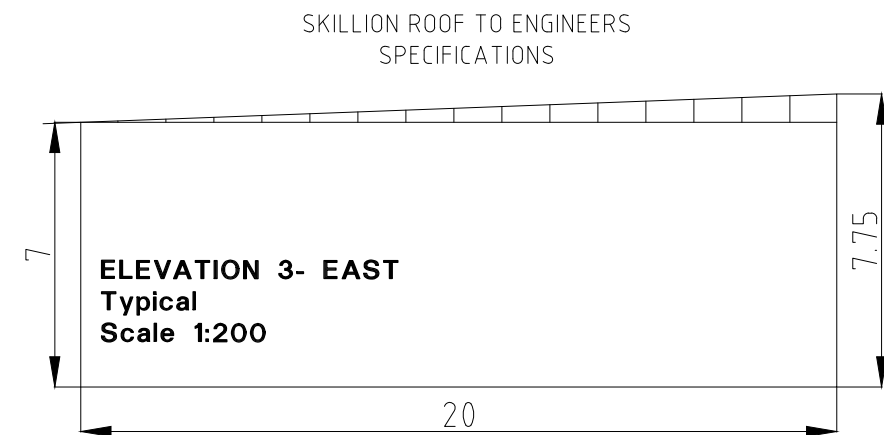
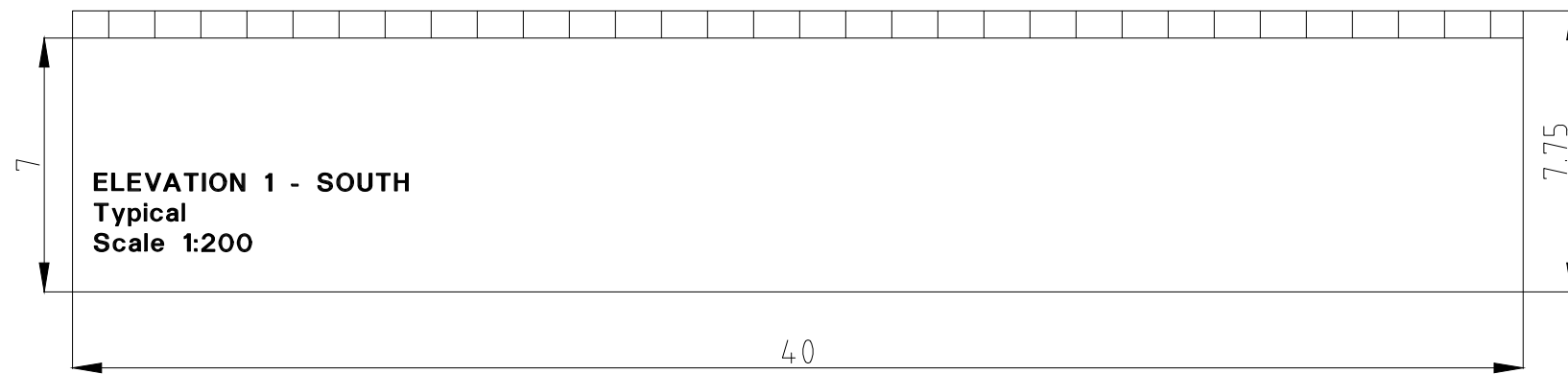
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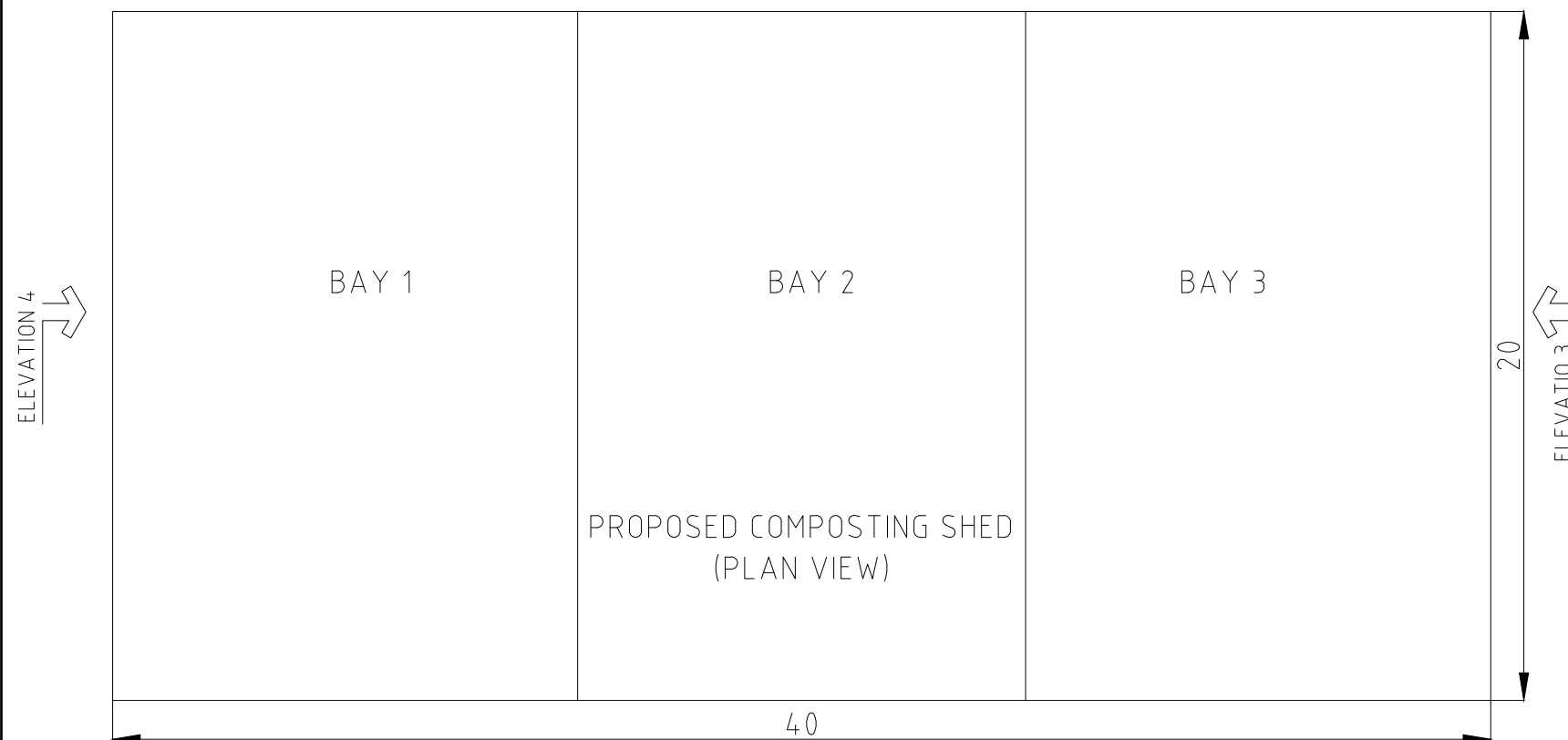
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stack Details Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	LH	LH	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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SCALE :	AS SHOWN	SHEET No. :11	FILE : 21600292	SHEET SIZE
		JOB No. : 215474	DATE : Plotted 10/12/19 1:40PM	A3
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg				



ELEVATION 2
↓



PLAN
Typical
Scale 1:200

ELEVATION 1
↑

NOTE:
CLADDING TO BE COLOUR
BONDED METAL OF
NEUTRAL COLOUR

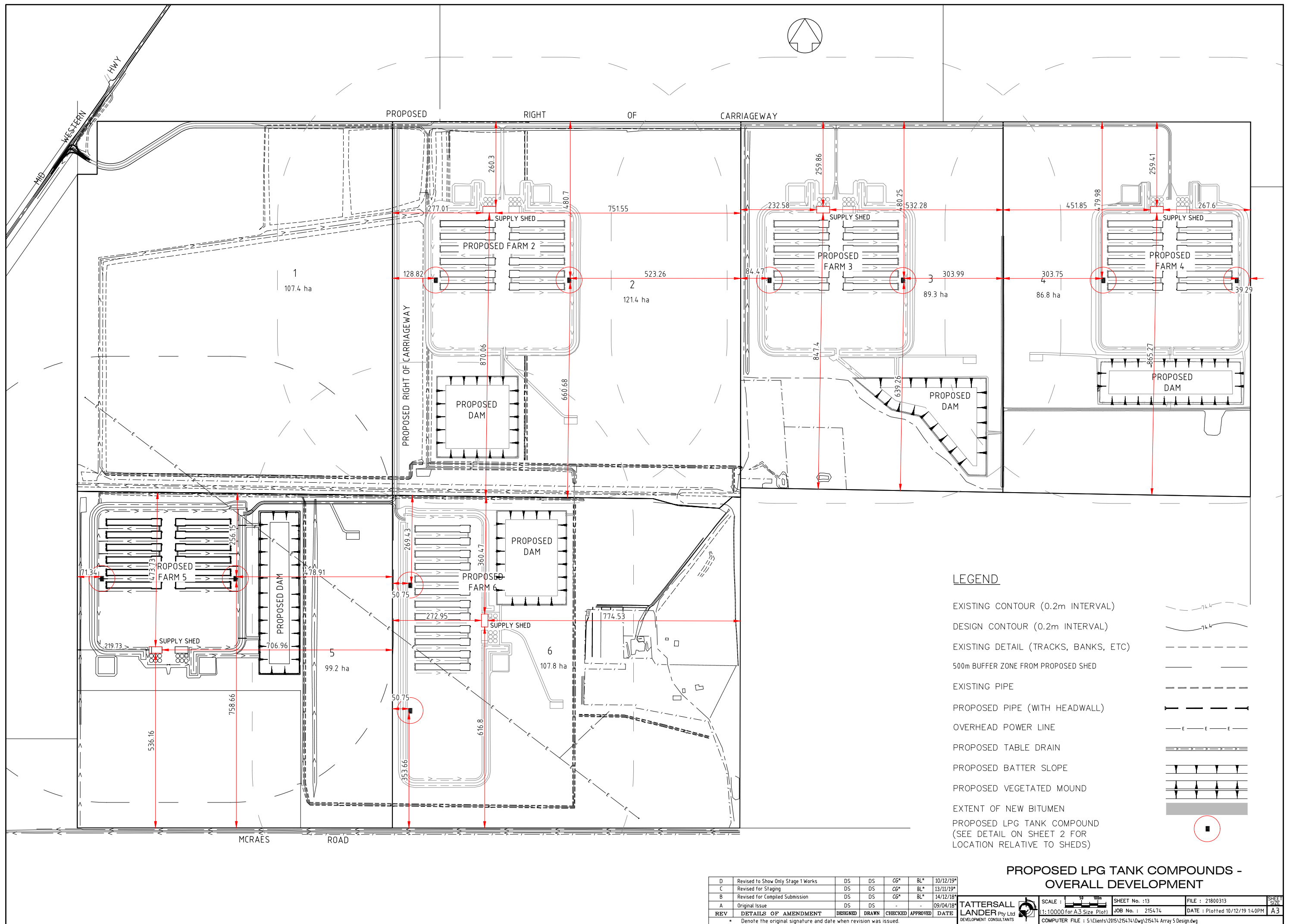
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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LANDER** Pty Ltd
DEVELOPMENT CONSULTANTS



SCALE :	AS SHOWN	SHEET No. :12	FILE : 21600442	SHEET SIZE
		JOB No. : 215474	DATE : Plotted 10/12/19 1:40PM	A3
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 5 Design.dwg				

**PROPOSED COMPOSTING
SHED - TYPICAL SHED DETAILS**



LEGEND

- EXISTING CONTOUR (0.2m INTERVAL)
- DESIGN CONTOUR (0.2m INTERVAL)
- EXISTING DETAIL (TRACKS, BANKS, ETC)
- 500m BUFFER ZONE FROM PROPOSED SHED
- EXISTING PIPE
- PROPOSED PIPE (WITH HEADWALL)
- OVERHEAD POWER LINE
- PROPOSED TABLE DRAIN
- PROPOSED BATTER SLOPE
- PROPOSED VEGETATED MOUND
- EXTENT OF NEW BITUMEN
- PROPOSED LPG TANK COMPOUND
(SEE DETAIL ON SHEET 2 FOR
LOCATION RELATIVE TO SHEDS)

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

PROPOSED LPG TANK COMPOUNDS -
OVERALL DEVELOPMENT

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SCALE : 1:10000 (for A3 Size Plot)

SHEET No. : 13

JOB No. : 215474

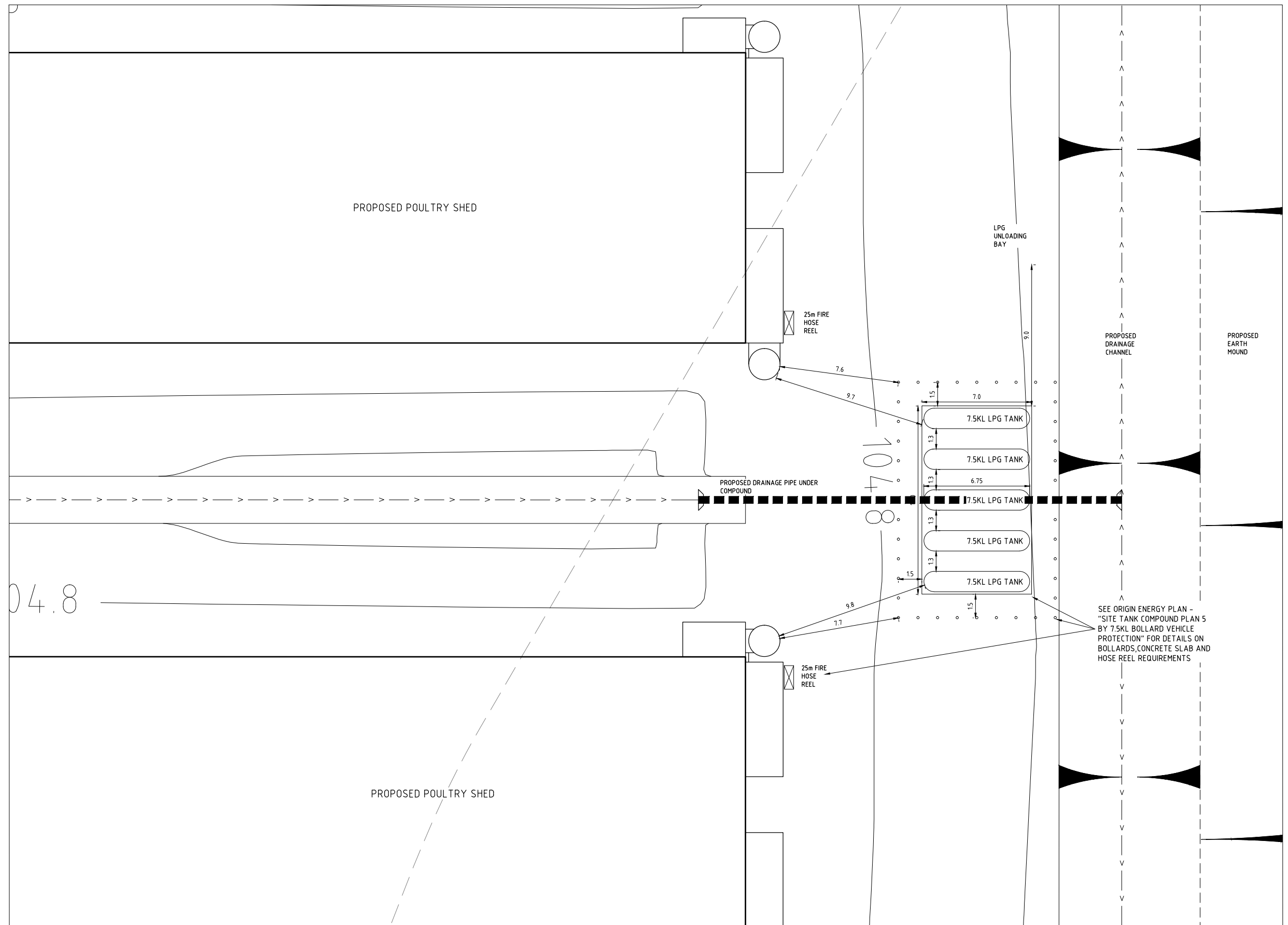
DATE : 10/12/19 14:00PM

FILE : 21800313

DATE : 10/12/19 14:00PM

A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg



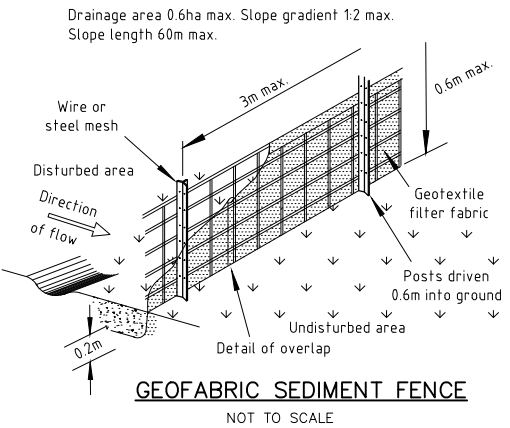
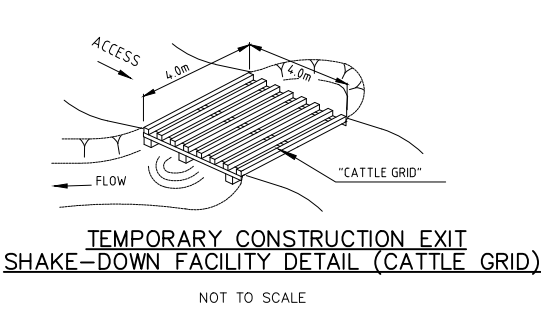
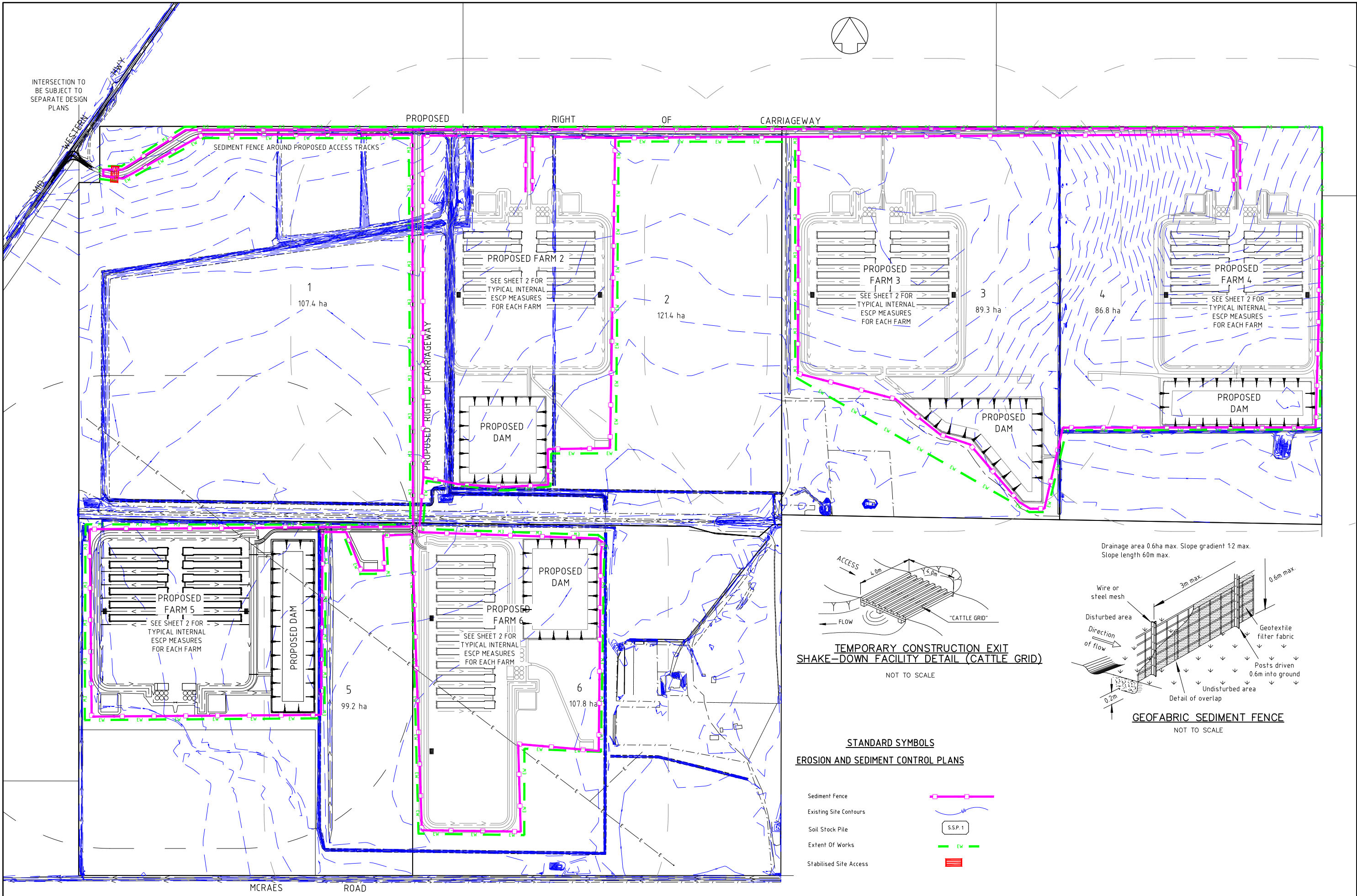
DETAIL A - LPG TANK COMPOUND SITING
(1:250 @ A3)

B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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LPG COMPOUND SITING

SCALE : 1:6000 (for A3 Size Plot)	SHEET No. : 14	FILE : 21800314	SHEET SIZE
JOB No. : 215474	DATE : Plotted 10/12/19 1:40PM	A3	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg			



STANDARD SYMBOLS
EROSION AND SEDIMENT CONTROL PLANS

- Sediment Fence
- Existing Site Contours
- Soil Stock Pile
- Extent Of Works
- Stabilised Site Access

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

ESCP - OVERALL DEVELOPMENT

TATTERSALL LANDER
Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:10000 (for A3 Size Plot)

SHEET No. : 15

FILE : 21800315

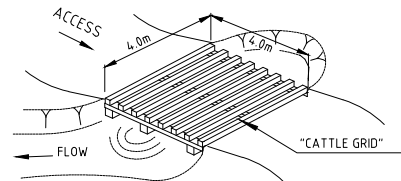
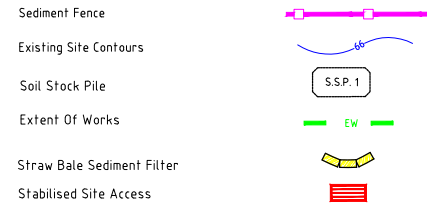
JOB No. : 215474

DATE : Plotted 10/12/19 14:00PM

SHEET SIZE
A3



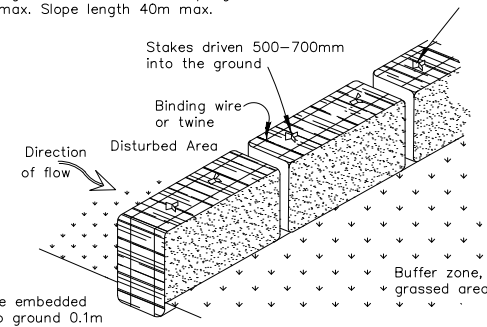
STANDARD SYMBOLS
EROSION AND SEDIMENT CONTROL PLANS



TEMPORARY CONSTRUCTION EXIT
SHAKE-DOWN FACILITY DETAIL (CATTLE GRID)

NOT TO SCALE

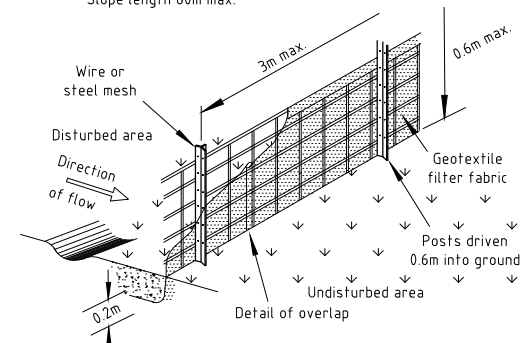
Drainage area 0.4 ha max. Slope gradient
1:2 max. Slope length 40m max.



STRAW BALE SEDIMENT FILTER

NOT TO SCALE

Drainage area 0.6ha max. Slope gradient 1:2 max.
Slope length 60m max.



GEOFABRIC SEDIMENT FENCE

NOT TO SCALE

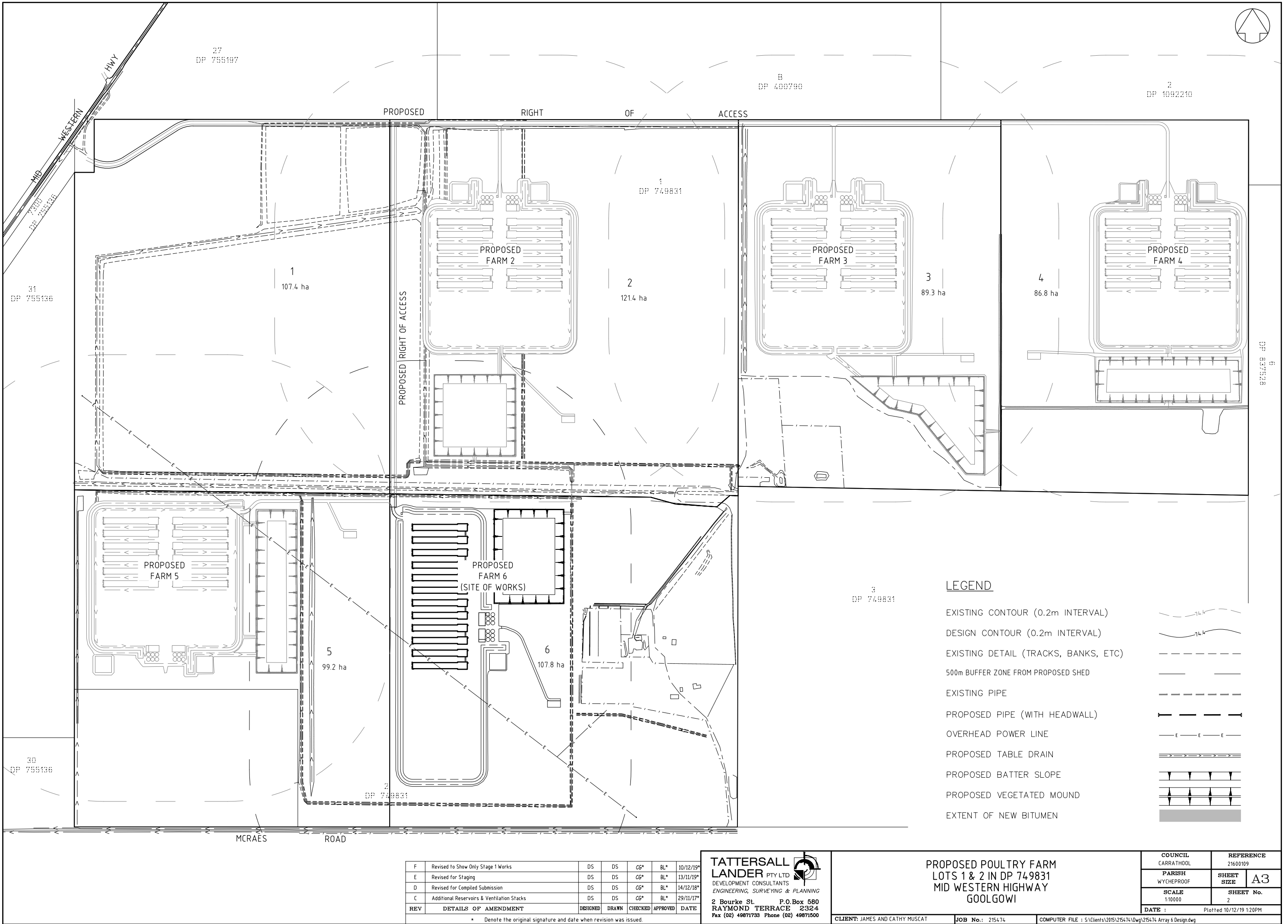
SOIL & WATER MANAGEMENT NOTES

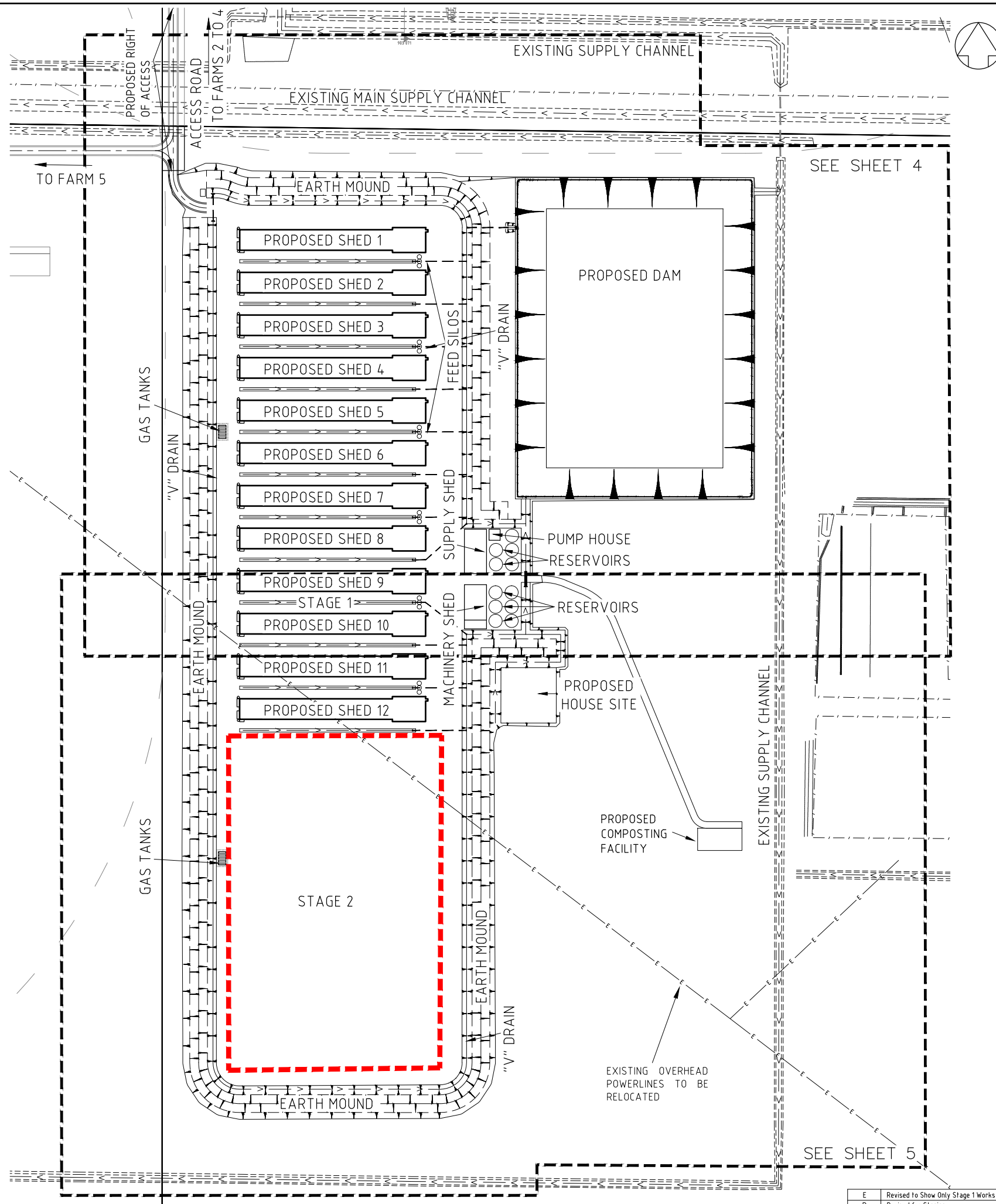
- This plan is to be read in conjunction with other engineering plans and any written instructions that may be issued.
- The contractor shall implement all soil erosion and sediment control measures prior to disturbance of the related catchment area and to the satisfaction of the Superintendent. This includes establishing temporary construction sediment basin in location of final dam formation.
- The location of "silt" fences, barrier fences, sediment traps, basins and other devices are indicative only and final locations are to be decided on site. Variations will be permitted to best suit the circumstances.
- Cleared vegetation must be disposed of by :-
 - chipping or mulching for future landscaping and usage, or
 - transport to an approved landfill facility.
- Temporary crossbanks (bunds constructed with earth, straw bales or sandbags), shall be constructed during roadworks to limit slope length, where possible, to 80 metres. These shall be constructed immediately prior to forecast rain and during temporary closure of the site, including weekends.
- Temporary rehabilitation should be undertaken on disturbed areas where works have stopped and soils are expected to remain exposed for two months.
- Sediment barriers (e.g. sandbags or straw bales) should be located upstream of stormwater inlet pits prior to the road surface being paved and lands upslope being rehabilitated.
- At the conclusion of each day sand bags are to be placed at the end of completed sections of road pavement to prevent scouring.
- The contractor will inspect all erosion and pollution control works at least weekly and following every rainfall event greater than 5mm, providing particular attention to the following matters :
 - Ensure drains operate effectively and initiate repair as required.
 - Remove spilled sand (or other materials) from hazard areas, including lands closer than 5 metres from likely areas of concentrated or high velocity flows such as waterways and paved areas.
 - Ensure rehabilitated lands have effectively reduced the erosion hazard and initiate upgrading or repair as appropriate.
 - Construct additional erosion and/or sediment control works as might become necessary to ensure the desired protection is given to downslope lands and waterways, i.e. make ongoing changes to the plan.
 - Maintain erosion and sediment control measures in a functioning condition until all earthwork activities are completed and the site is rehabilitated.
 - Remove temporary soil conservation structures as a last activity in the rehabilitation program.
- Utilise a single access only to the stock pile sites.
- Do not taint clean catchment water with silt from the works.
- Drop inlets which do not outlet to silt traps shall be blocked until all works are completed.
- Rehabilitate the site as soon as possible after the completion of construction activities and within 10 working days. Lands where works are not to continue for more than 20 working days must be rehabilitated. Such rehabilitation shall involve the spraying of a straw-bitumen mulch to the disturbed lands or equivalent.
- Access areas limited to a maximum width of 10 (preferably 5) metres.
- All positions shown are approximate and are best determined on site in conjunction with the superintendent.
- Conformity with this plan shall in no way reduce the responsibility of the Contractor to protect against water damage during the course of the contract.
- Topsoil and spoil shall be stockpiled in non-hazard areas and protected from surface run-off by diversion drains or similar. Stockpiles shall be surrounded on downstream sides by silt fencing. Stockpiles shall be suitably compacted to inhibit erosion. Where the stockpiling period exceeds four (4) weeks, the stockpile shall be seeded to encourage vegetation growth.
- Topsoil shall be respread and stabilised as soon as possible. Disturbed areas shall be left with a scarified surface to encourage water infiltration and assist keying in topsoil.
- The contractor shall provide a turf strip behind all kerb and gutter at completion of footpath formation.
- The contractor shall maintain grass cover until all works have been completed including the maintenance period, by frequent watering and mowing where required.
- All drainage works shall be constructed and stabilised as quickly as possible to minimise risk of erosion.
- Vehicular traffic shall be controlled during construction confining access where possible to proposed or existing road alignments plus 3 metres. Areas to be left undisturbed shall be marked off.
- Site access shall be restricted to a nominated point. The construction of a shake-down area will be required at the entry to the site.
- Facilities and/or equipment must be provided for the application of water to disturbed areas to minimise the generation of airborne dust from any area disturbed by construction activities.
- Material removed from sediment control structures must be disposed of in a way that does not pollute waters or bushland.
- Waste disposal containers must be provided on site for the collection and disposal of all industrial and domestic type wastes generated on site.
- Concrete wastes or washings from any concrete mixture or deliveries must not be deposited in any location where they can flow or be washed into waters.
- Runoff from vehicle, construction plant or mobile plant maintenance and cleaning areas must be contained, collected and disposed of in a manner to prevent entry into any waters, including sediment retention ponds.
- Fuelling of vehicles and construction plant must be carried out with an operator or driver present, and in a way that prevents any spillage occurring.

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

FARM 5 ESCP

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : 1:4000 (for A3 Size Plot)	SHEET No. : 16	FILE : 21800316	SHEET SIZE : A3
		JOB No. : 215474	DATE : Plotted 10/12/19 14:0PM	
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 5 Design.dwg				





- STAGE 1:
- ALL EARTHWORKS AND ENVIRONMENTAL CONTROL AS PER ORIGINAL APPLICATION
 - CONSTRUCTION OF SHEDS 1 TO 12
- STAGE 2:
- SUBJECT TO CONCURRENCE BY THE SECRETARY DPIE
 - CONSTRUCTION OF SHEDS 13 TO 20

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

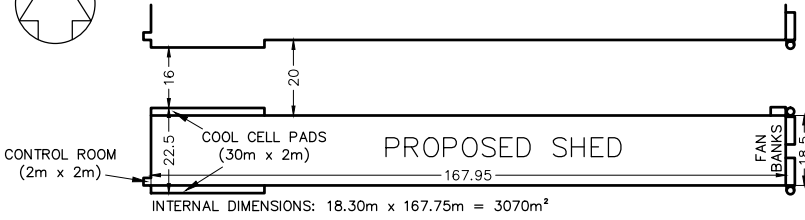
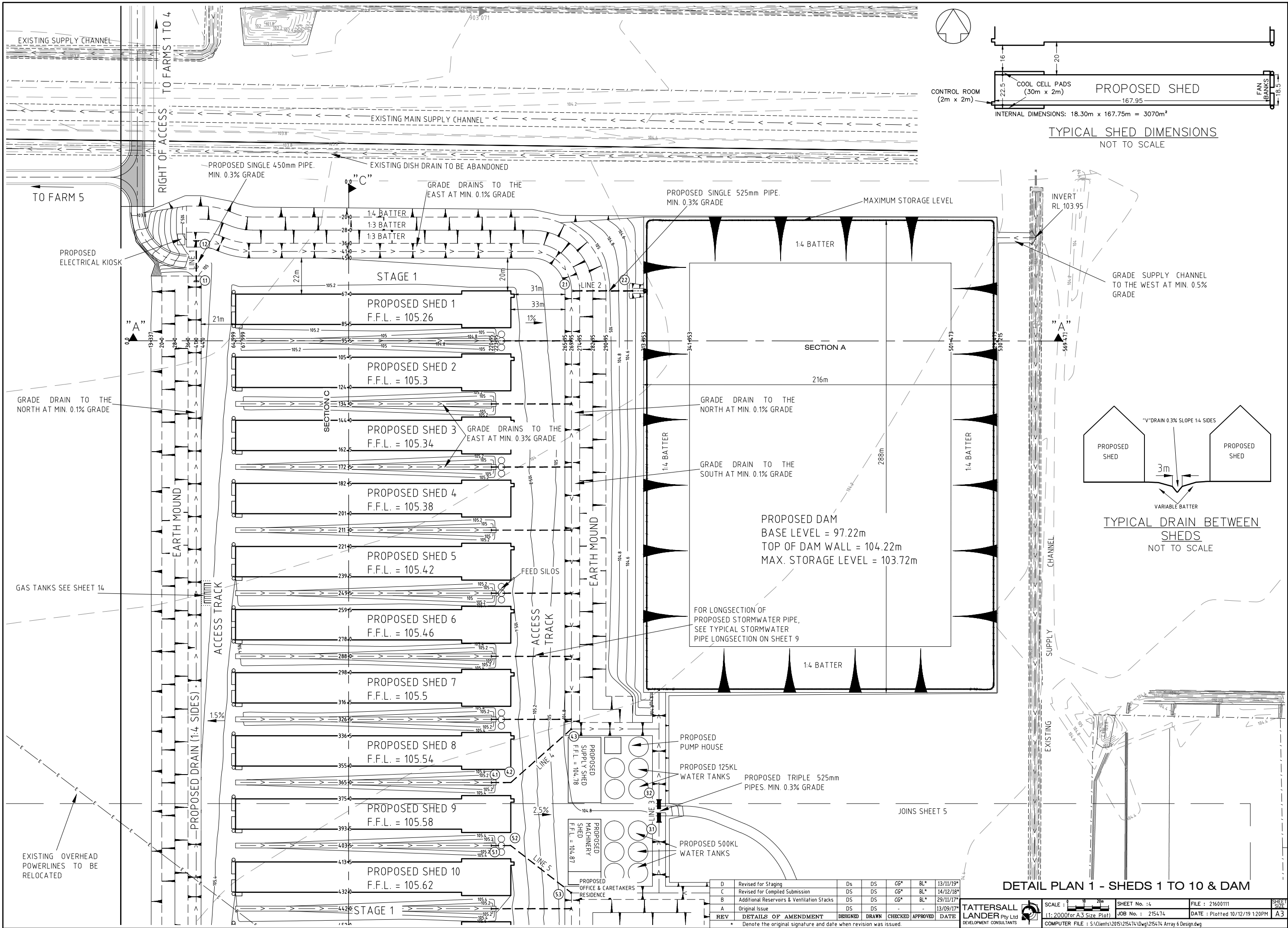
TATTERSALL LANDER Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:4000 (for A3 Size Plot)

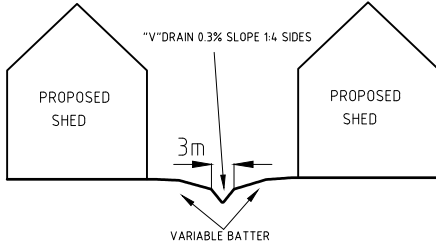
SHEET No. : 3
FILE : 21600110
JOB No. : 215474
DATE : Plotted 10/12/19 1:20PM
A3

FARM 6 OVERALL

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg



TYPICAL SHED DIMENSIONS
NOT TO SCALE



TYPICAL DRAIN BETWEEN
SHEDS
NOT TO SCALE

D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

TATTERSALL LANDER
Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:2000 (for A3 Size Plot)

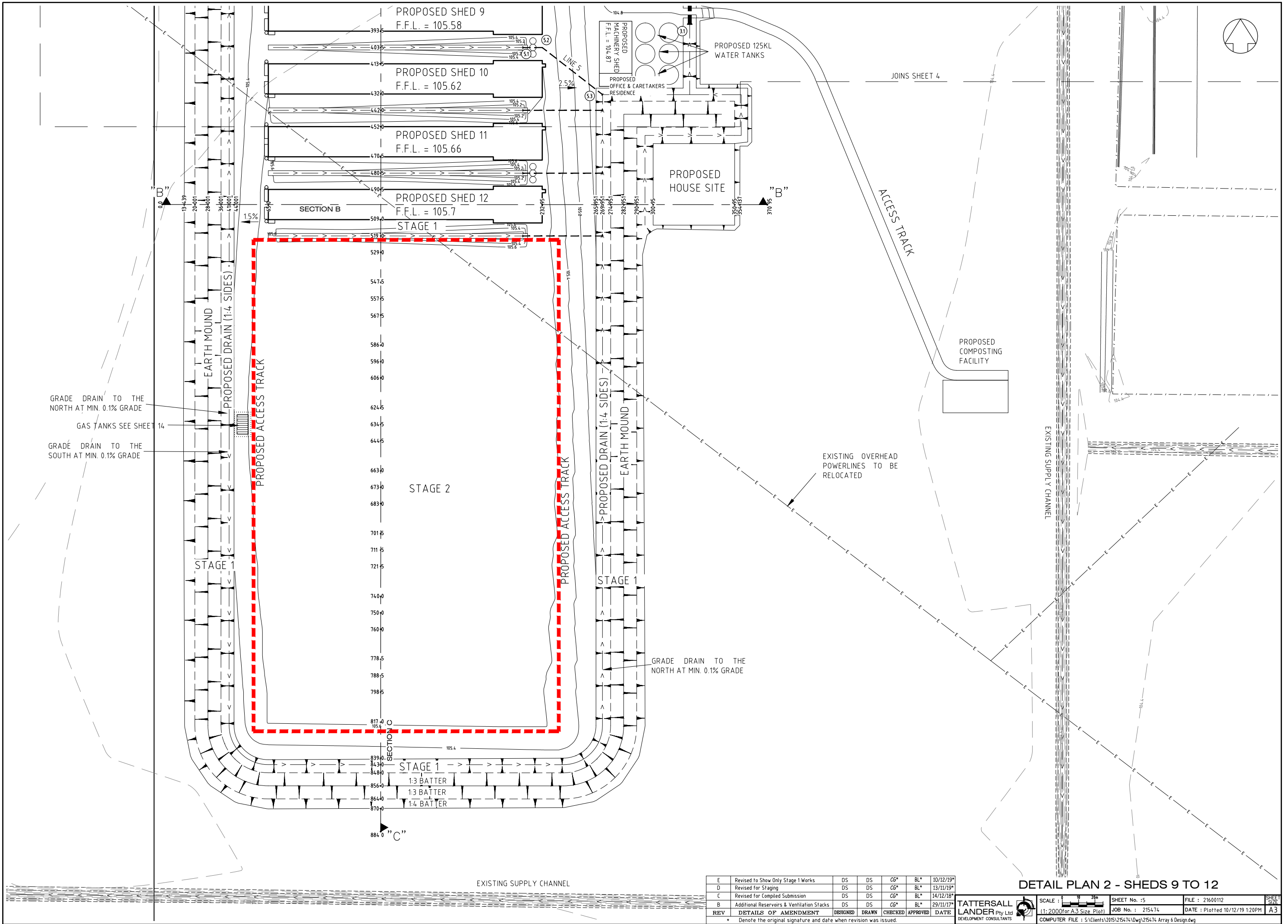
SHEET No. : 14
JOB No. : 215474

FILE : 21600111
DATE : Plotted 10/12/19 1:20PM

SHEET SIZE
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg

DETAIL PLAN 1 - SHEDS 1 TO 10 & DAM



E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Additional Reservoirs & Ventilation Stacks	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

DETAIL PLAN 2 - SHEDS 9 TO 12

TATTERSALL LANDER

Pty Ltd

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SCALE : 1:2000 (for A3 Size Plot)

SHEET No. : 5

FILE : 21600112

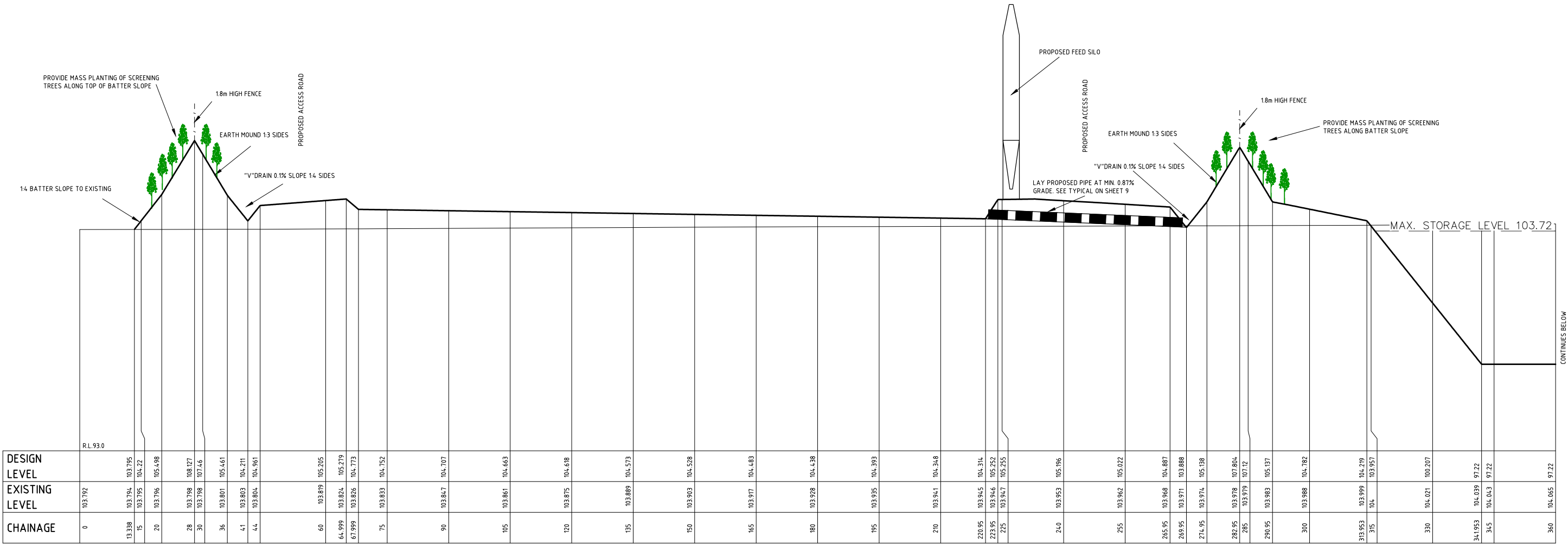
JOB No. : 215474

DATE : Plotted 10/12/19 12:00PM

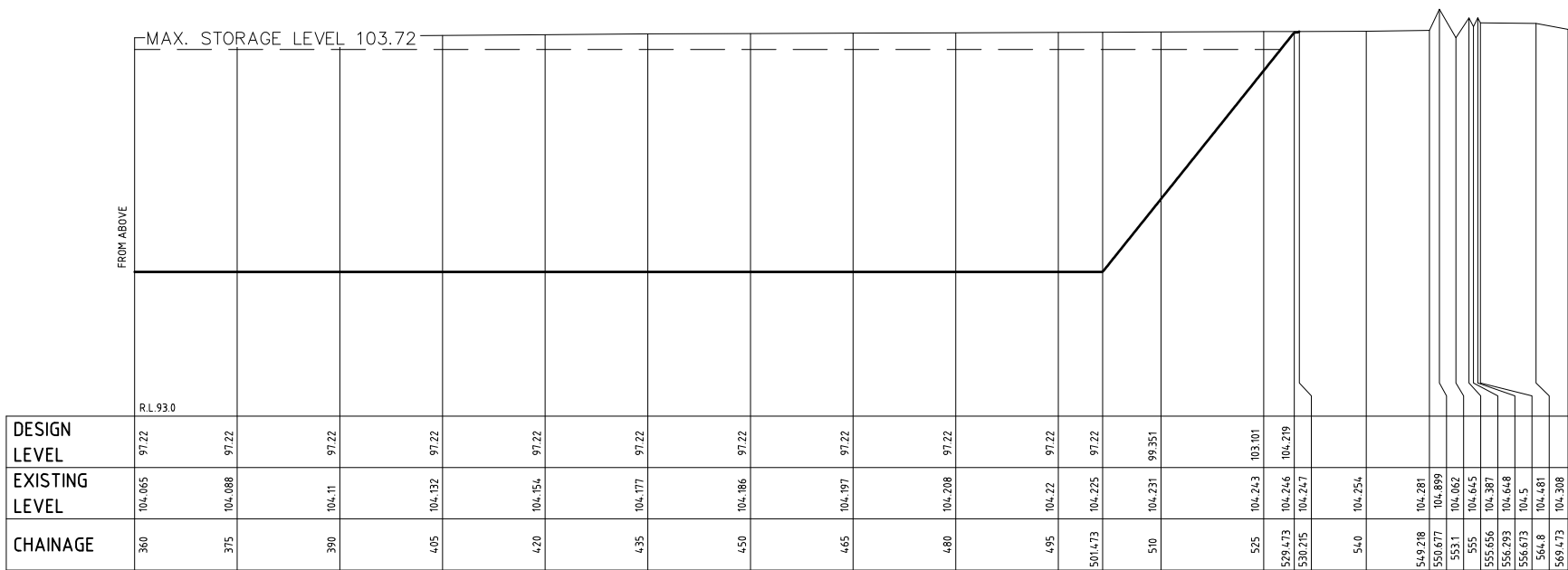
COMPUTER FILE : S:\Clients\2015\215474\DWG\215474 Array 6 Design.dwg

SHEET SIZE

A3



FARM 6 - SECTION A
H=1:1000 V=1:200



FARM 6 - SECTION A
H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Feed Silo Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	14/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

SITE CROSS SECTION- FARM 6 SECTION A

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Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE :
AS SHOWN

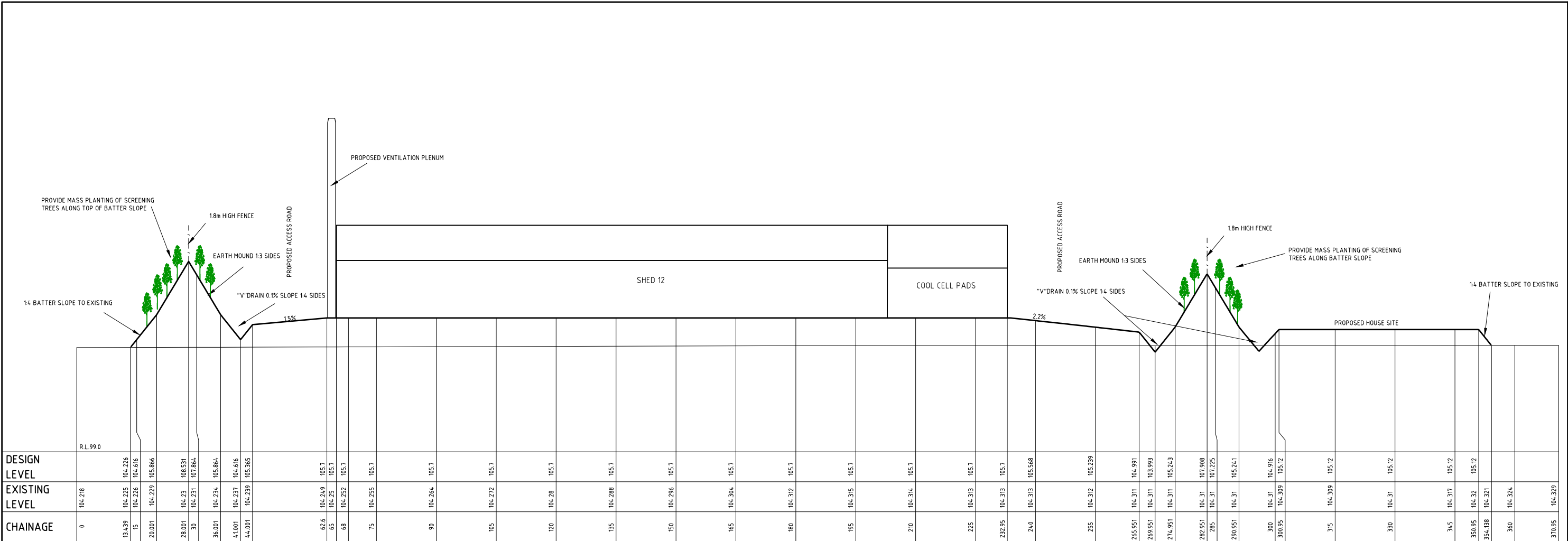
SHEET No. :6

JOB No. : 215474

FILE : 21600113

DATE : Plotted 10/12/19 1:20PM

SHEET
SIZE
A3



FARM 6 - SECTION B

H=1:1000 V=1:200

C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stacks Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	13/09/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

* Denote the original signature and date when revision was issued.

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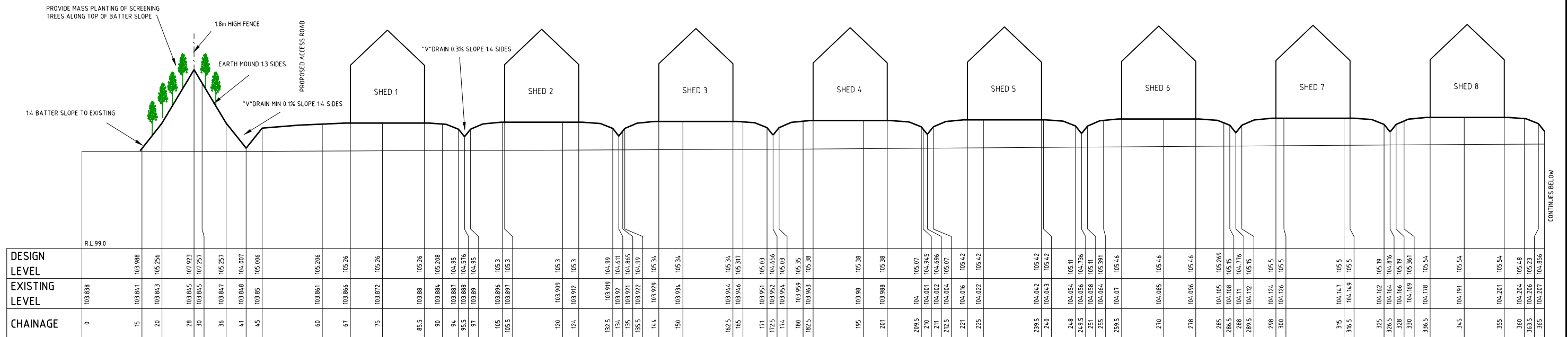
SCALE :
AS SHOWN

SHEET No. : 7
JOB No. : 215474

FILE : 21600114
DATE : Plotted 10/12/19 1:20PM

SHEET
SIZE
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg



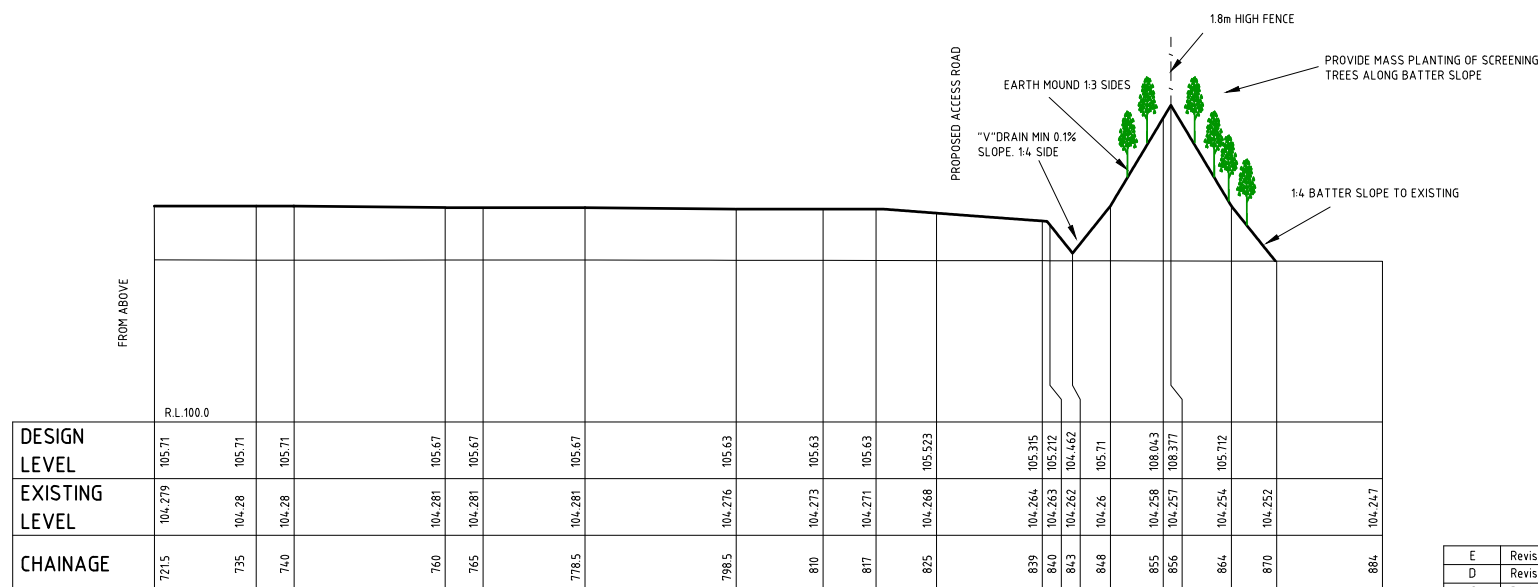
FARM 6 - SECTION C

H=1:1000 V=1:200



FARM 6 - SECTION C

H=1:1000 V=1:200



FARM 6 - SECTION C

H=1:1000 V=1:200

E	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
D	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

* Denote the original signature and date when revision was issued.

SITE CROSS SECTION- FARM 6 SECTION C

8*
7*
E

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LANDER** Pty Ltd
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The logo for Tattersall Lander Pty Ltd, featuring a stylized 'T' and 'L' intertwined within a square frame.

SCALE :	
COMPUTER :	

SCALE : AS SHOWN

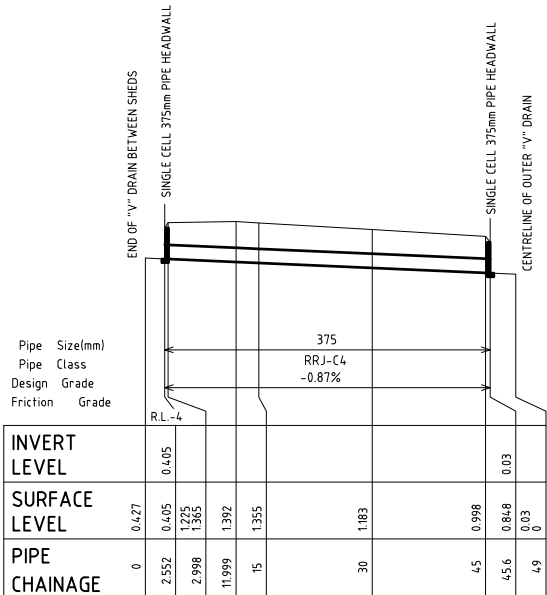
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JOB No. : 215

FILE : 21600115

DATE : Plotted 10/12/19 1:20PM	A
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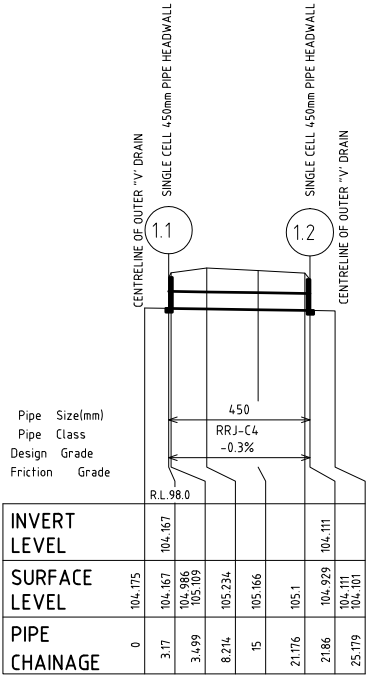
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COMPUTER FILE : S:\Clients\2015\215474\DWG\215474 Array 6 Design.dwg



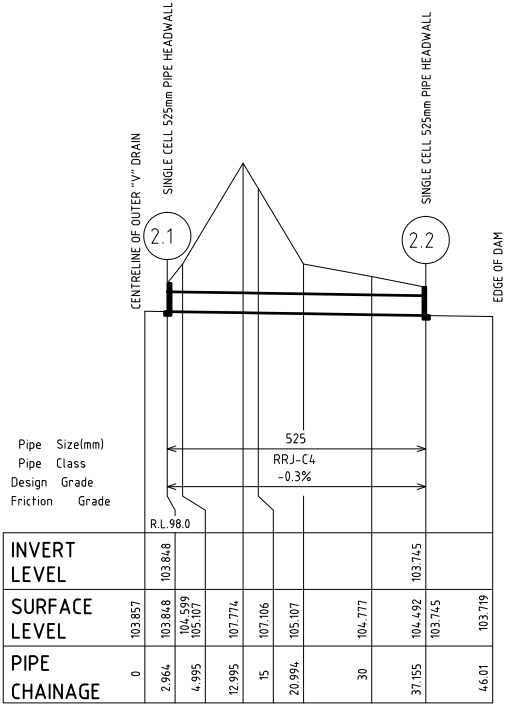
TYPICAL STORMWATER PIPE FROM SHEDS TO OUTER DRAIN

H=1:1000 V=1:200



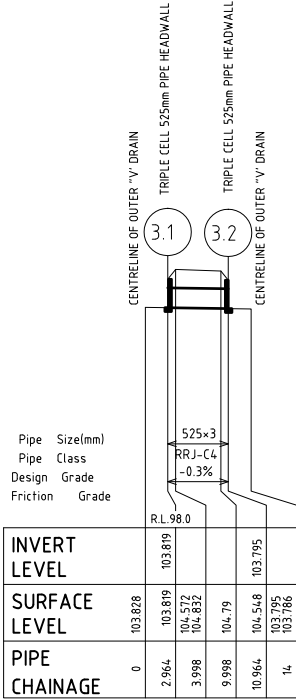
LINE.1

H=1:1000 V=1:200



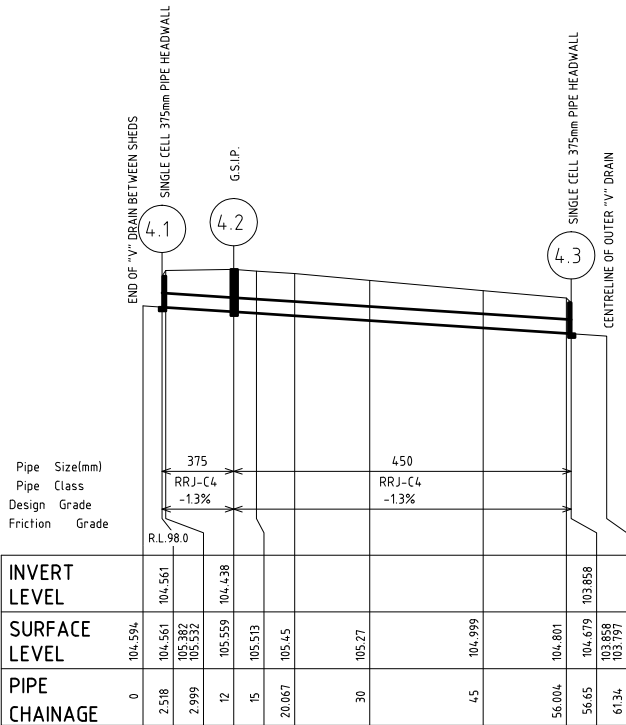
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H=1:1000 V=1:200



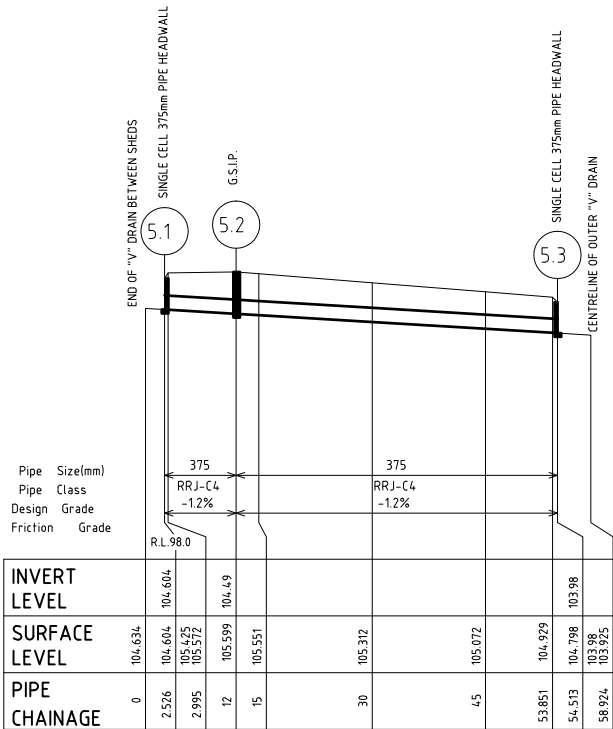
LINE.3

H=1:1000 V=1:200



LINE.4

H=1:1000 V=1:200



LINE.5

H=1:1000 V=1:200

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Converted to AHD. Optimised Pipe Sizing	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	31/10/17*

* Denote the original signature and date when revision was issued.

STORMWATER LONGITUDINAL SECTIONS

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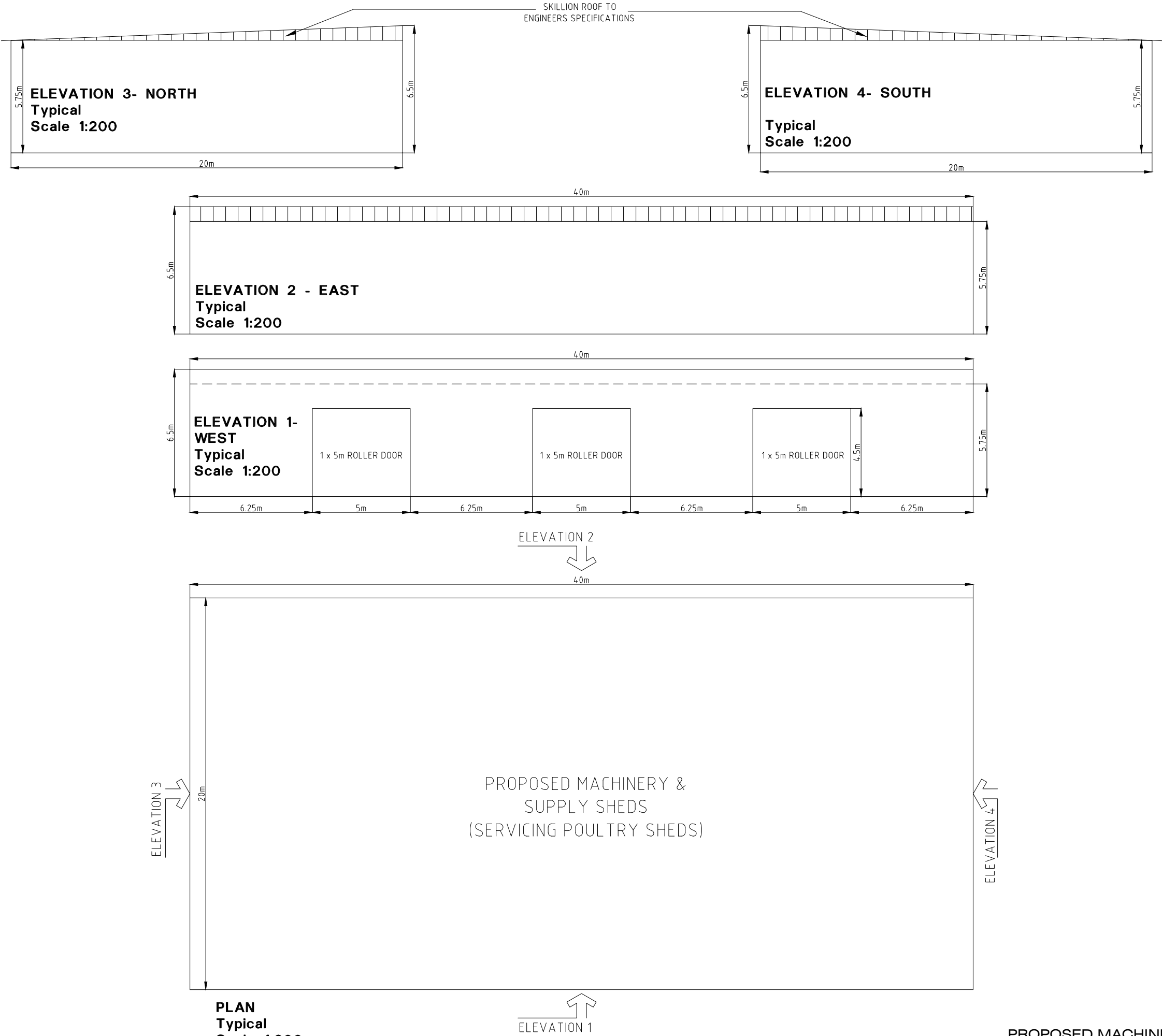
SCALE :
AS SHOWN

SHEET No. :9
JOB No. : 215474

FILE : 21600116
DATE : Plotted 10/12/19 12:00PM

COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 6 Design.dwg

SHEET
SIZE
A3

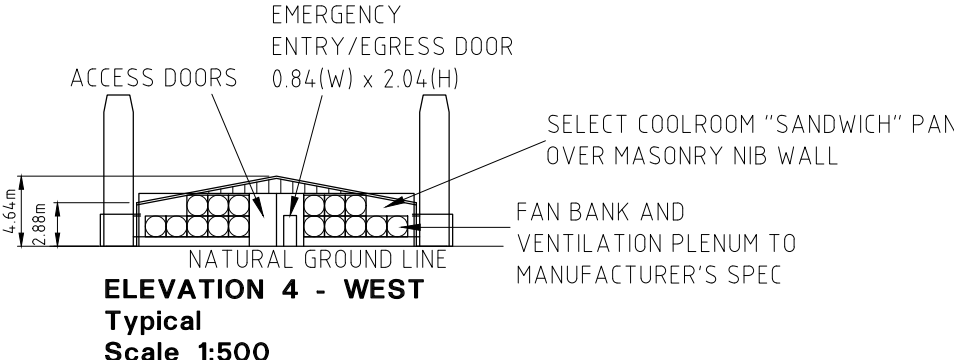
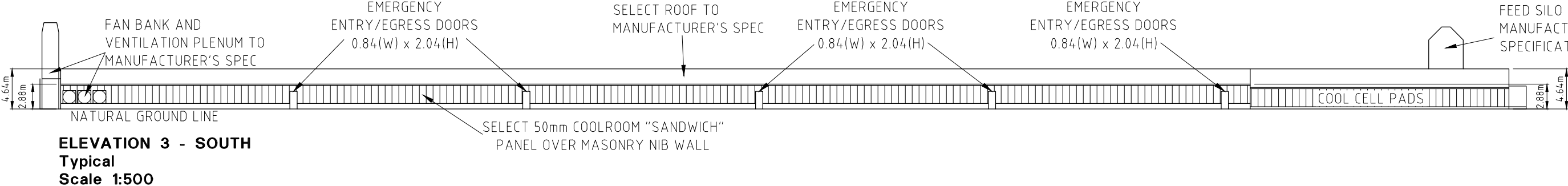
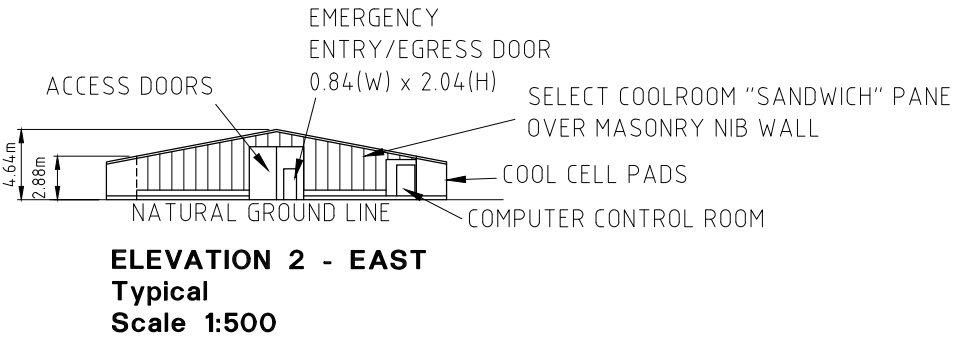
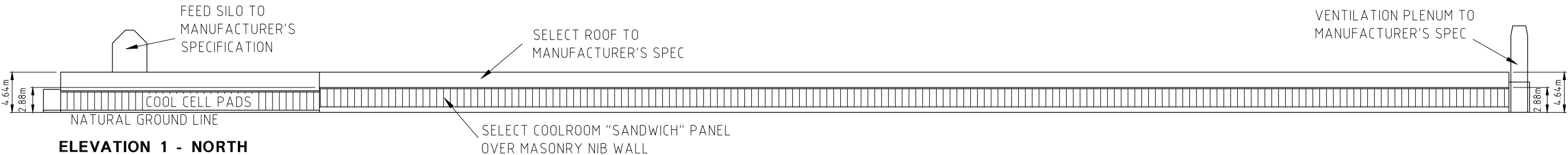
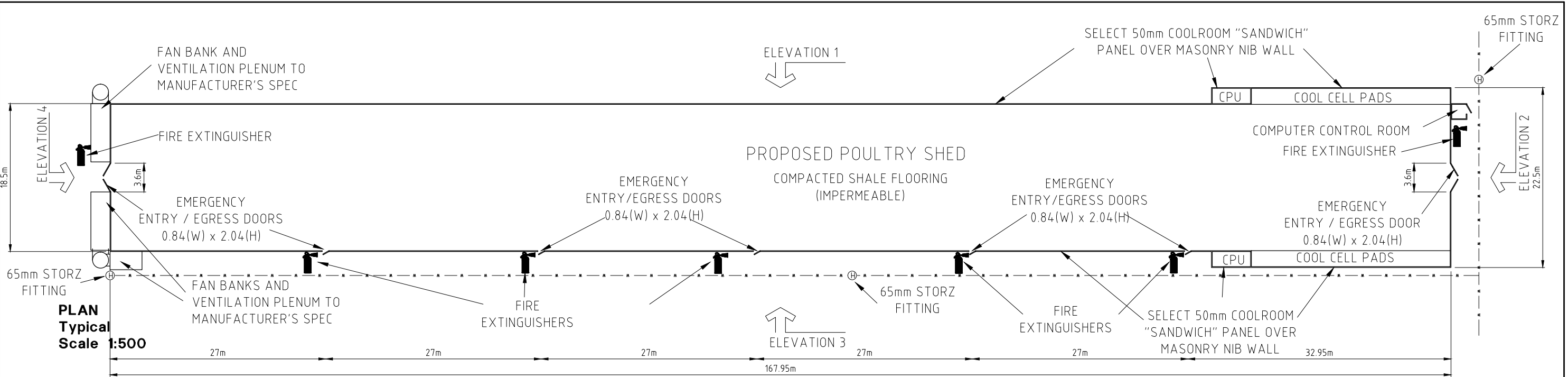


B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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SCALE :	SHEET No. :10	FILE : 21600117	SHEET SIZE
AS SHOWN	JOB No. : 215474	DATE : Plotted 10/12/19 1:20PM	A3
COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 6 Design.dwg			

PROPOSED MACHINERY & SUPPLY
SHEDS - TYPICAL SHED DETAILS



REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
C	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
B	Ventilation Stack Details Added	DS	DS	CG*	BL*	29/11/17*
A	Original Issue	DS	DS	-	-	13/09/17*

* Denote the original signature and date when revision was issued.

**PROPOSED POULTRY SHEDS-
TYPICAL SHED DETAILS**

TATTERSALL LANDER Pty Ltd
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SCALE : AS SHOWN

SHEET No. :11

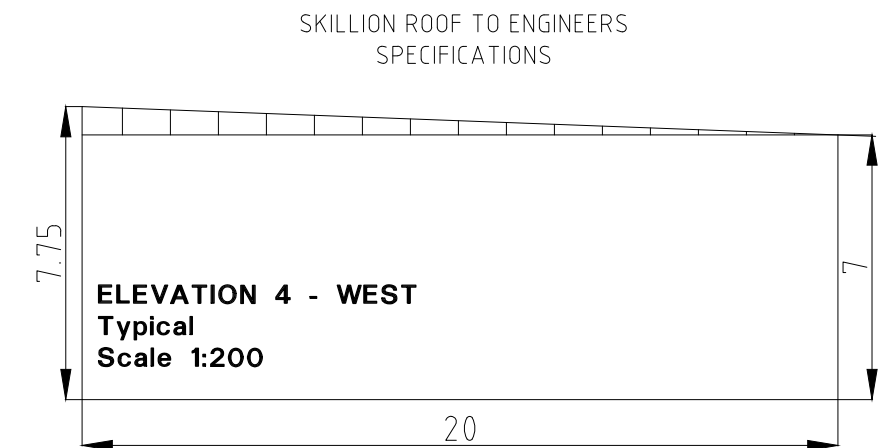
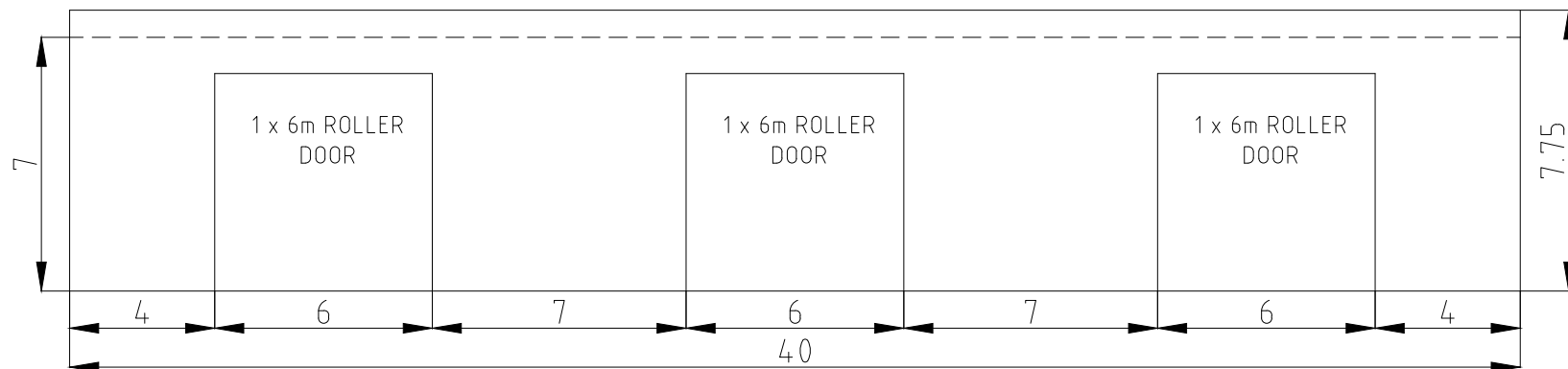
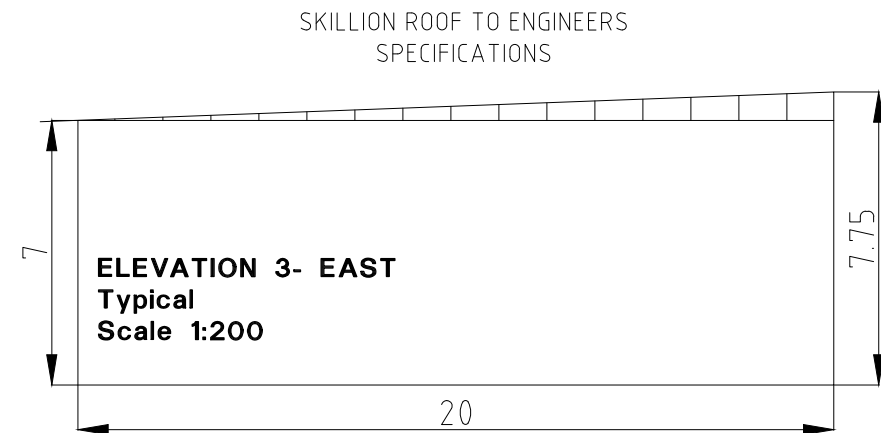
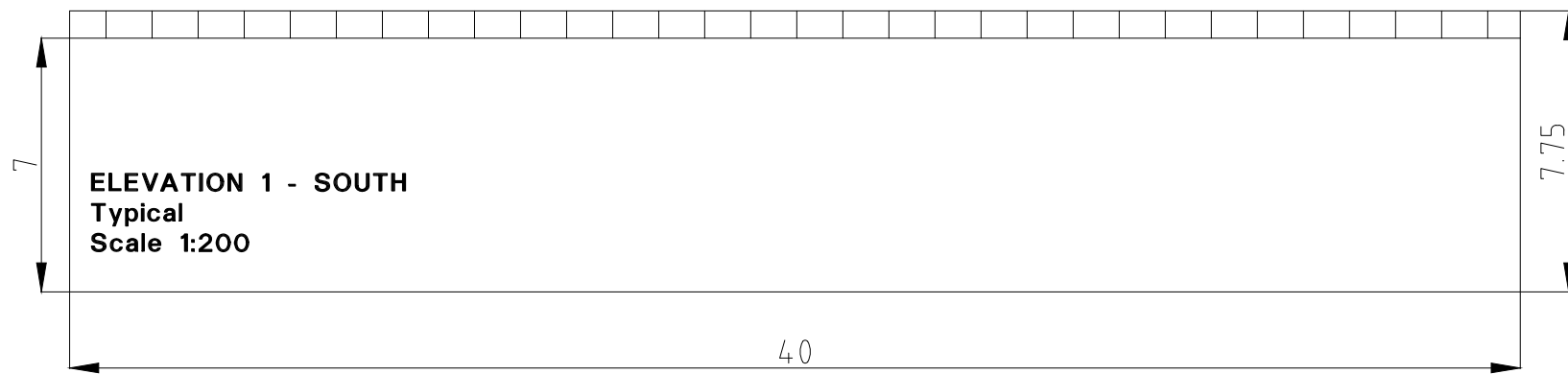
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JOB No. : 215474

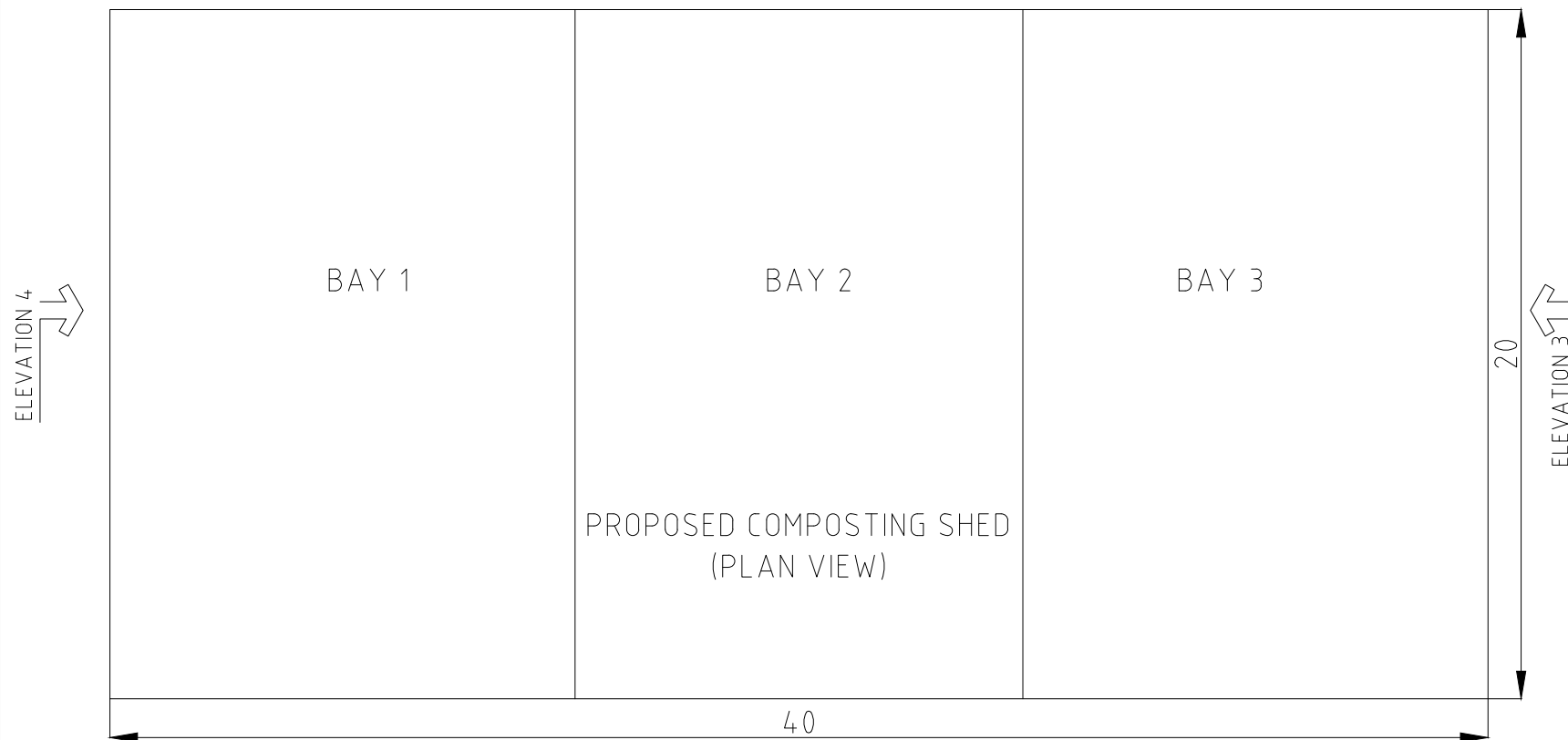
DATE : Plotted 10/12/19 1:20PM

SHEET SIZE
A3

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg



ELEVATION 2
↓



PLAN
Typical
Scale 1:200

NOTE:
CLADDING TO BE COLOUR
BONDED METAL OF
NEUTRAL COLOUR

B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	CG*	BL*	29/11/17*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

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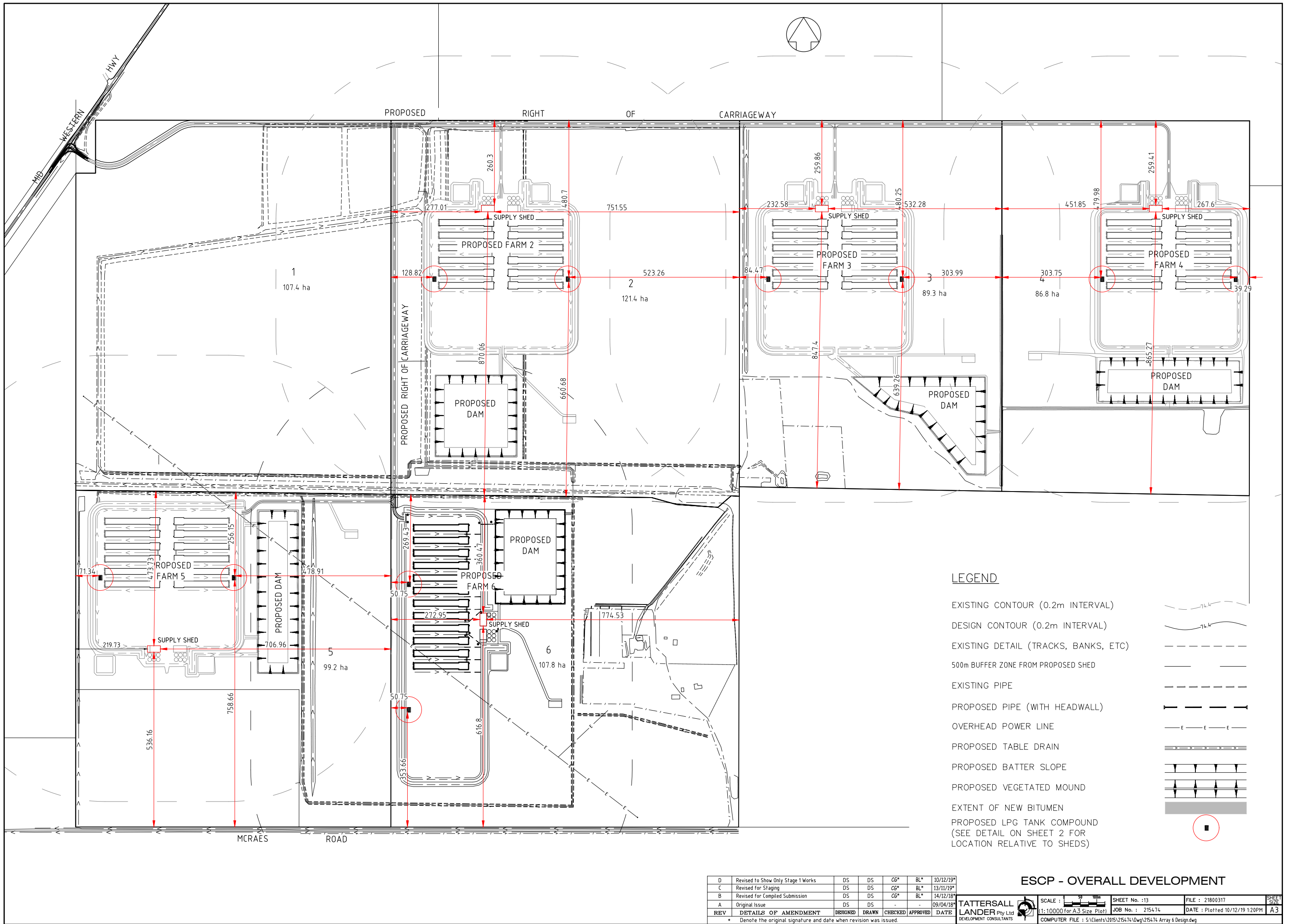


SCALE :
AS SHOWN

SHEET No. :12	FILE : 21600443	SHEET SIZE
JOB No. : 215474	DATE : Plotted 10/12/19 1:20PM	A3

**PROPOSED COMPOSTING
SHED - TYPICAL SHED DETAILS**

COMPUTER FILE : S:\Clients\2015\215474\Drawg\215474 Array 6 Design.dwg



D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

ESCP - OVERALL DEVELOPMENT

TATTERSALL LANDER
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SCALE : 1:10000 (for A3 Size Plot)

SHEET No. : 13

JOB No. : 215474

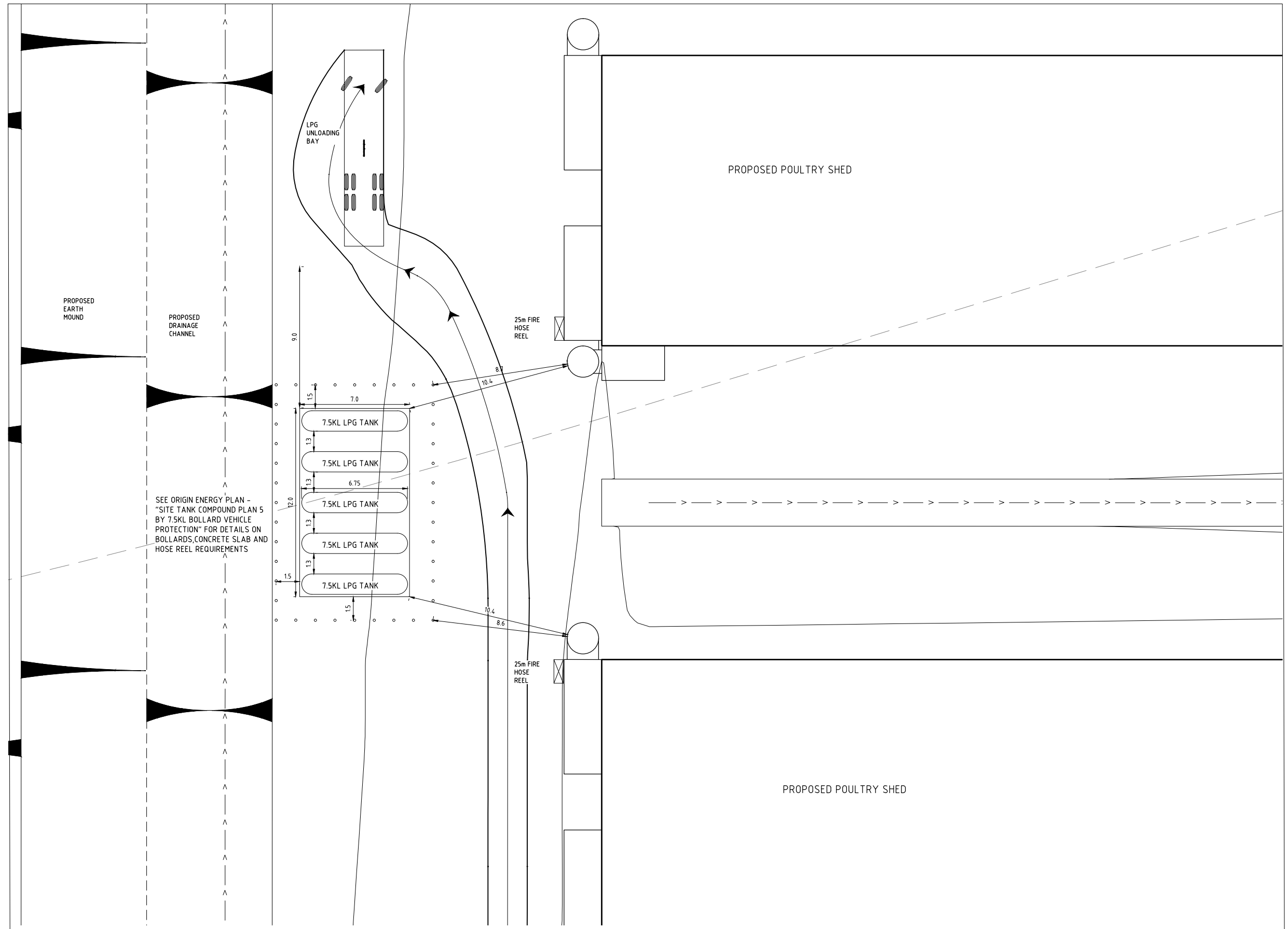
DATE : Plotted 10/12/19 1:20PM

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg

FILE : 21800317

DATE : 10/12/19

SHEET SIZE : A3



SEE ORIGIN ENERGY PLAN -
"SITE TANK COMPOUND PLAN 5
BY 7.5KL BOLLARD VEHICLE
PROTECTION" FOR DETAILS ON
BOLLARDS, CONCRETE SLAB AND
HOSE REEL REQUIREMENTS

DETAIL A - LPG TANK COMPOUND SITING

(1:250 @ A3)

REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS	-	-	09/04/18*

TATTERSALL
LANDER Pty Ltd
DEVELOPMENT CONSULTANTS



SCALE : 1:3000 (for A3 Size Plot)

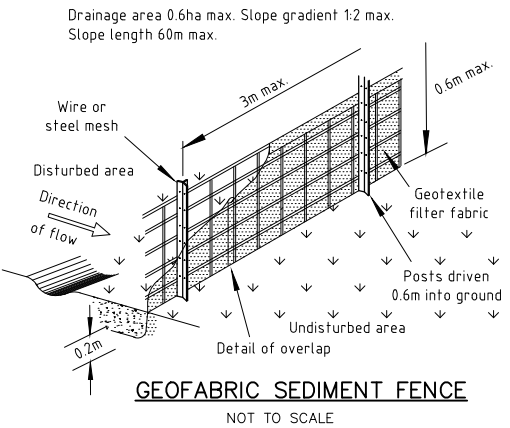
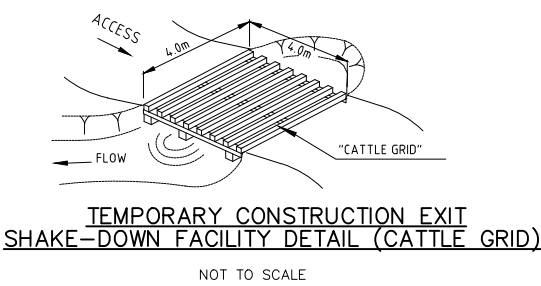
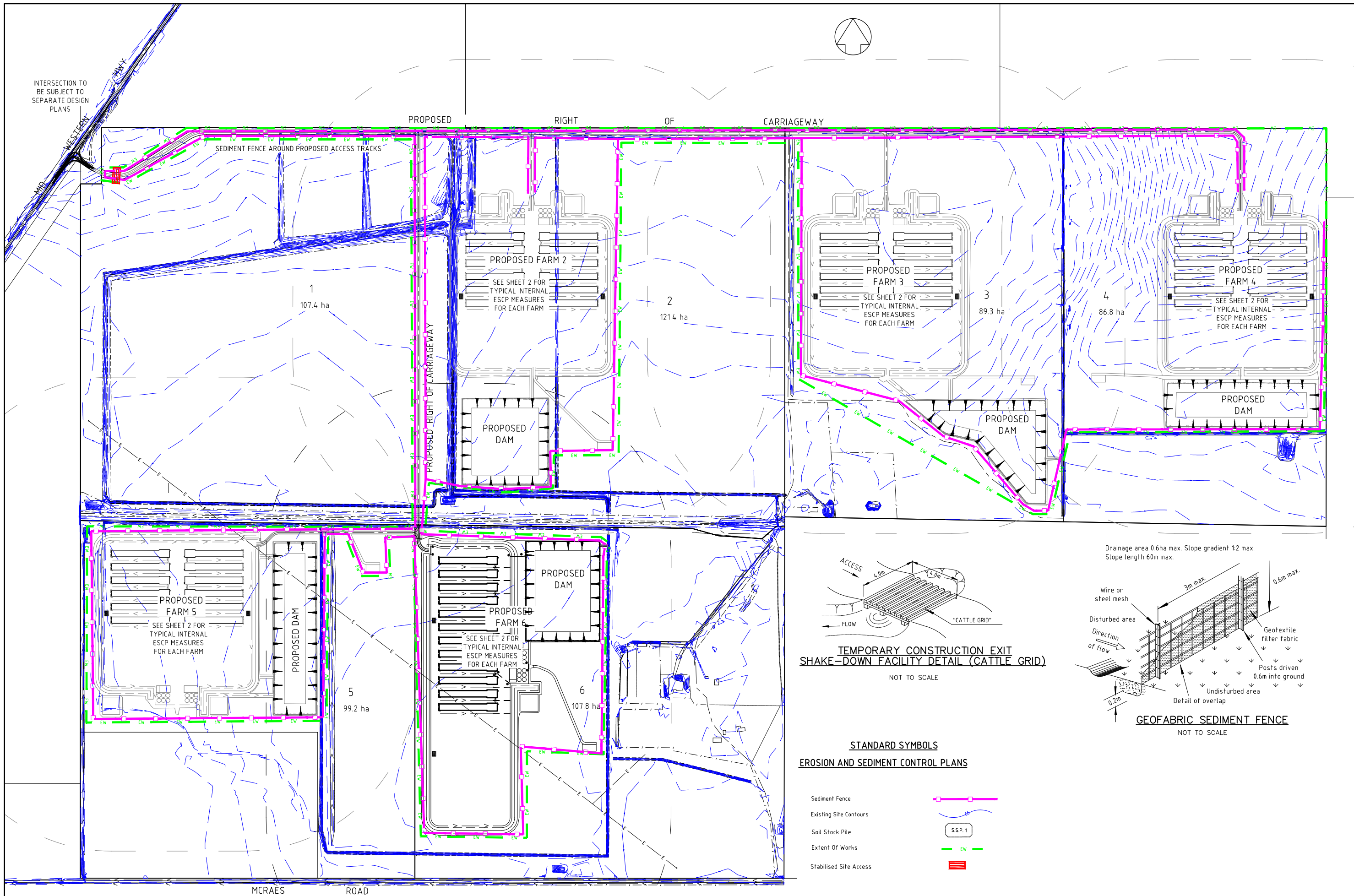
SHEET No. : 14
JOB No. : 215474

FILE : 21800318
DATE : Plotted 10/12/19 1:20PM

SHEET
SIZE
A3

LPG COMPOUND SITING

COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg



STANDARD SYMBOLS
EROSION AND SEDIMENT CONTROL PLANS

- Sediment Fence
- Existing Site Contours
- Soil Stock Pile
- Extent Of Works
- Stabilised Site Access

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			04/08/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

ESCP - OVERALL DEVELOPMENT

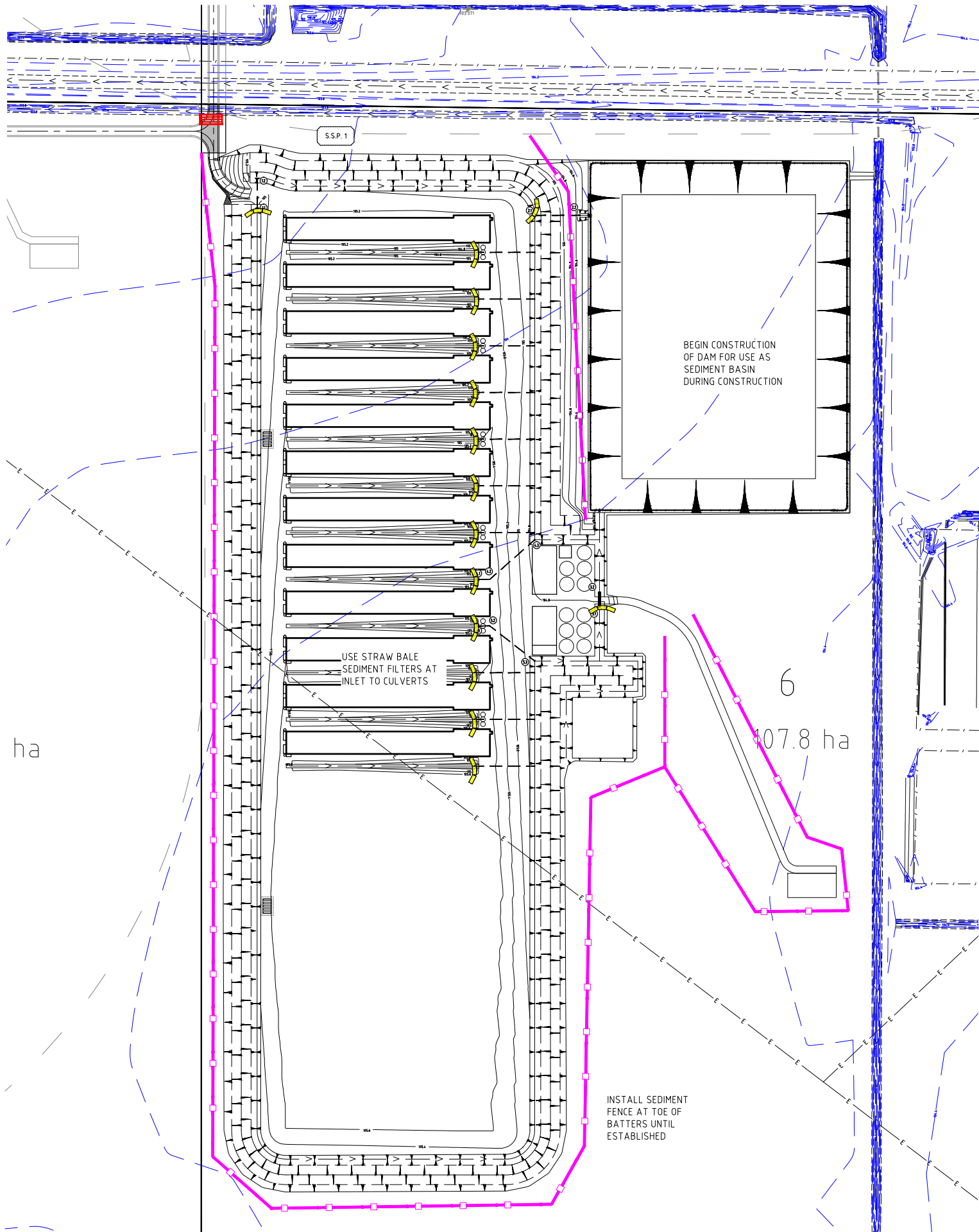
TATTERSALL LANDER
Pty Ltd
DEVELOPMENT CONSULTANTS

SCALE : 1:10000 (for A3 Size Plot)

SHEET No. : 15
JOB No. : 215474
DATE : Plotted 10/12/19 12:00PM

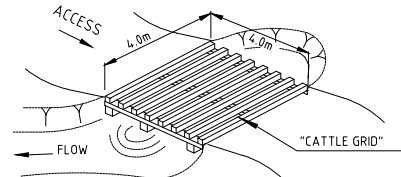
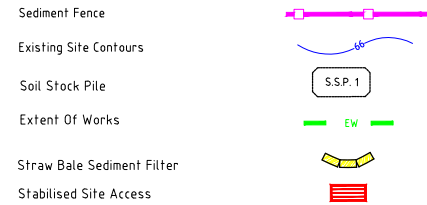
FILE : 21800319
DATE : 10/12/19 12:00PM
COMPUTER FILE : S:\Clients\2015\215474\Drawings\215474 Array 6 Design.dwg

SHEET SIZE
A3



STANDARD SYMBOLS

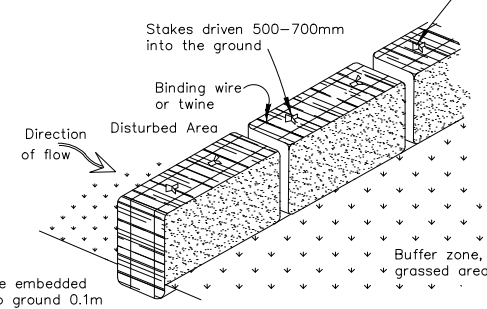
EROSION AND SEDIMENT CONTROL PLANS



TEMPORARY CONSTRUCTION EXIT SHAKE-DOWN FACILITY DETAIL (CATTLE GRID)

NOT TO SCALE

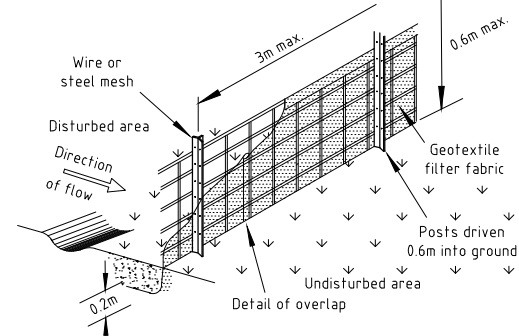
Drainage area 0.4 ha max. Slope gradient
1:2 max. Slope length 40m max.



STRAW BALE SEDIMENT FILTER

NOT TO SCALE

Drainage area 0.6ha max. Slope gradient 1:2 max.
Slope length 60m max.



GEOFABRIC SEDIMENT FENCE

NOT TO SCALE

SOIL & WATER MANAGEMENT NOTES

- This plan is to be read in conjunction with other engineering plans and any written instructions that may be issued.
- The contractor shall implement all soil erosion and sediment control measures prior to disturbance of the related catchment area and to the satisfaction of the Superintendent. This includes establishing temporary construction sediment basin in location of final dam formation.
- The location of "silt" fences, barrier fences, sediment traps, basins and other devices are indicative only and final locations are to be decided on site. Variations will be permitted to best suit the circumstances.
- Cleared vegetation must be disposed of by :-
 - chipping or mulching for future landscaping and usage, or
 - transport to an approved landfill facility.
- Temporary crossbanks (bunds constructed with earth, straw bales or sandbags), shall be constructed during roadworks to limit slope length, where possible, to 80 metres. These shall be constructed immediately prior to forecast rain and during temporary closure of the site, including weekends.
- Temporary rehabilitation should be undertaken on disturbed areas where works have stopped and soils are expected to remain exposed for two months.
- Sediment barriers (e.g. sandbags or straw bales) should be located upstream of stormwater inlet pits prior to the road surface being paved and lands upslope being rehabilitated.
- At the conclusion of each day sand bags are to be placed at the end of completed sections of road pavement to prevent scouring.
- The contractor will inspect all erosion and pollution control works at least weekly and following every rainfall event greater than 5mm, providing particular attention to the following matters :
 - Ensure drains operate effectively and initiate repair as required.
 - Remove spilled sand (or other materials) from hazard areas, including lands closer than 5 metres from likely areas of concentrated or high velocity flows such as waterways and paved areas.
 - Ensure rehabilitated lands have effectively reduced the erosion hazard and initiate upgrading or repair as appropriate.
 - Construct additional erosion and/or sediment control works as might become necessary to ensure the desired protection is given to downslope lands and waterways, i.e. make ongoing changes to the plan.
 - Maintain erosion and sediment control measures in a functioning condition until all earthwork activities are completed and the site is rehabilitated.
 - Remove temporary soil conservation structures as a last activity in the rehabilitation program.
- Utilise a single access only to the stock pile sites.
- Do not taint clean catchment water with silt from the works.
- Drop inlets which do not outlet to silt traps shall be blocked until all works are completed.
- Rehabilitate the site as soon as possible after the completion of construction activities and within 10 working days. Lands where works are not to continue for more than 20 working days must be rehabilitated. Such rehabilitation shall involve the spraying of a straw-bitumen mulch to the disturbed lands or equivalent.
- Access areas limited to a maximum width of 10 (preferably 5) metres.
- All positions shown are approximate and are best determined on site in conjunction with the superintendent.
- Conformity with this plan shall in no way reduce the responsibility of the Contractor to protect against water damage during the course of the contract.
- Topsoil and spoil shall be stockpiled in non-hazard areas and protected from surface run-off by diversion drains or similar. Stockpiles shall be surrounded on downstream sides by silt fencing. Stockpiles shall be suitably compacted to inhibit erosion. Where the stockpiling period exceeds four (4) weeks, the stockpile shall be seeded to encourage vegetation growth.
- Topsoil shall be respread and stabilised as soon as possible. Disturbed areas shall be left with a scarified surface to encourage water infiltration and assist keying in topsoil.
- The contractor shall provide a turf strip behind all kerb and gutter at completion of footpath formation.
- The contractor shall maintain grass cover until all works have been completed including the maintenance period, by frequent watering and mowing where required.
- All drainage works shall be constructed and stabilised as quickly as possible to minimise risk of erosion.
- Vehicular traffic shall be controlled during construction confining access where possible to proposed or existing road alignments plus 3 metres. Areas to be left undisturbed shall be marked off.
- Site access shall be restricted to a nominated point. The construction of a shake-down area will be required at the entry to the site.
- Facilities and/or equipment must be provided for the application of water to disturbed areas to minimise the generation of airborne dust from any area disturbed by construction activities.
- Material removed from sediment control structures must be disposed of in a way that does not pollute waters or bushland.
- Waste disposal containers must be provided on site for the collection and disposal of all industrial and domestic type wastes generated on site.
- Concrete wastes or washings from any concrete mixture or deliveries must not be deposited in any location where they can flow or be washed into waters.
- Runoff from vehicle, construction plant or mobile plant maintenance and cleaning areas must be contained, collected and disposed of in a manner to prevent entry into any waters, including sediment retention ponds.
- Fuelling of vehicles and construction plant must be carried out with an operator or driver present, and in a way that prevents any spillage occurring.

D	Revised to Show Only Stage 1 Works	DS	DS	CG*	BL*	10/12/19*
C	Revised for Staging	DS	DS	CG*	BL*	13/11/19*
B	Revised for Compiled Submission	DS	DS	CG*	BL*	14/12/18*
A	Original Issue	DS	DS			04/09/18*
REV	DETAILS OF AMENDMENT	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
* Denote the original signature and date when revision was issued.						

FARM 6 ESCP

TATTERSALL LANDER Pty Ltd DEVELOPMENT CONSULTANTS	SCALE : 1:4000 (for A3 Size Plot)	SHEET No. : 16	FILE : 21800320	SHEET SIZE : A3
	JOB No. : 215474	DATE : Plotted 10/12/19 1200PM		
COMPUTER FILE : S:\Clients\2015\215474\DWG\215474 Array 6 Design.dwg				