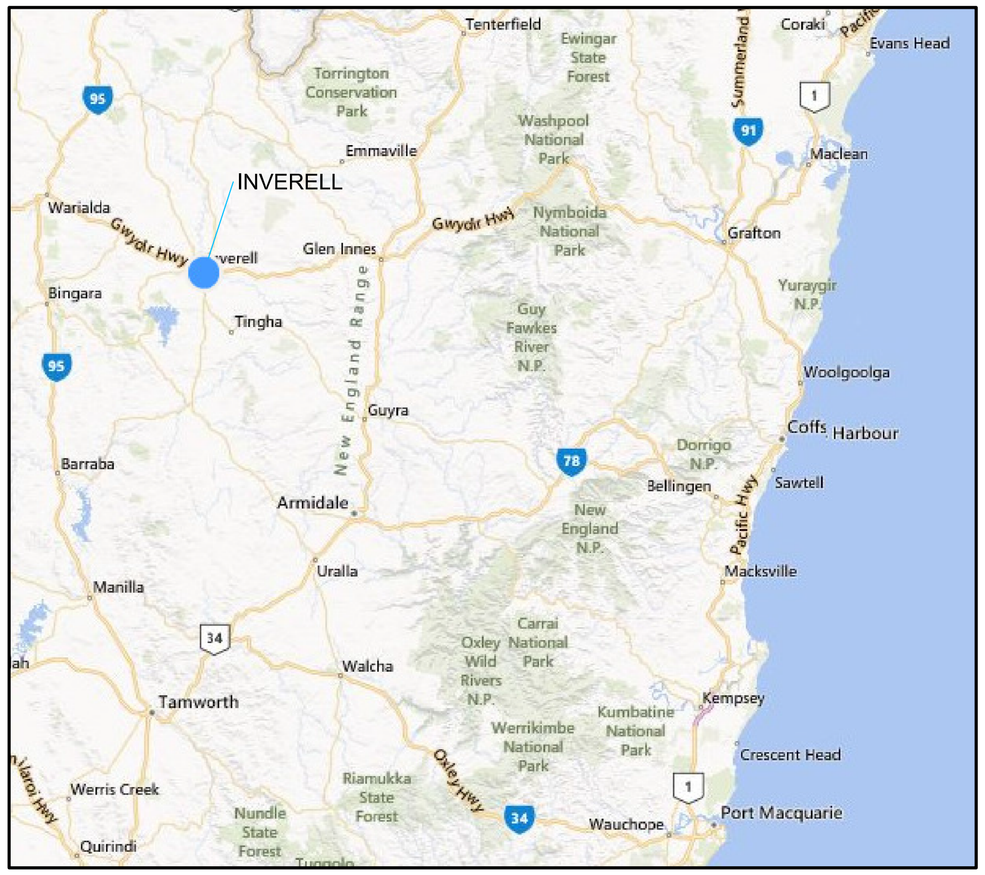
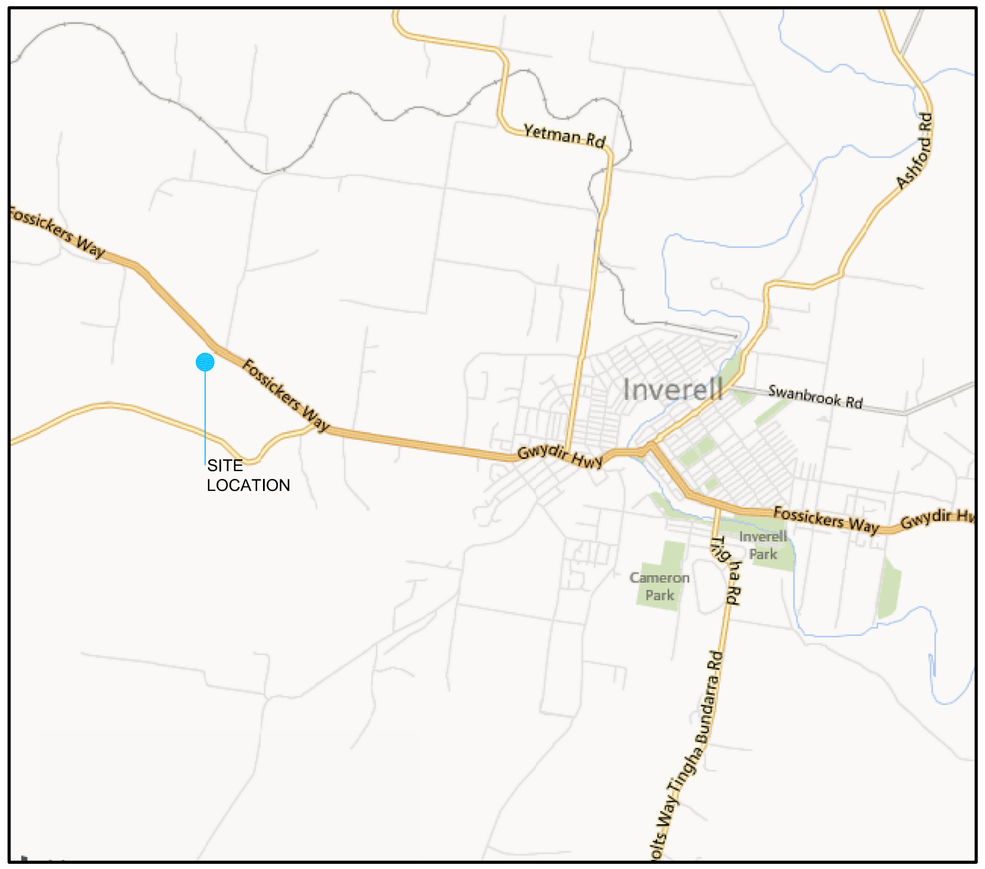
BINDAREE BEEF
AUSTRALIA

BINDAREE BEEF DIGESTER & RENDER PROJECT

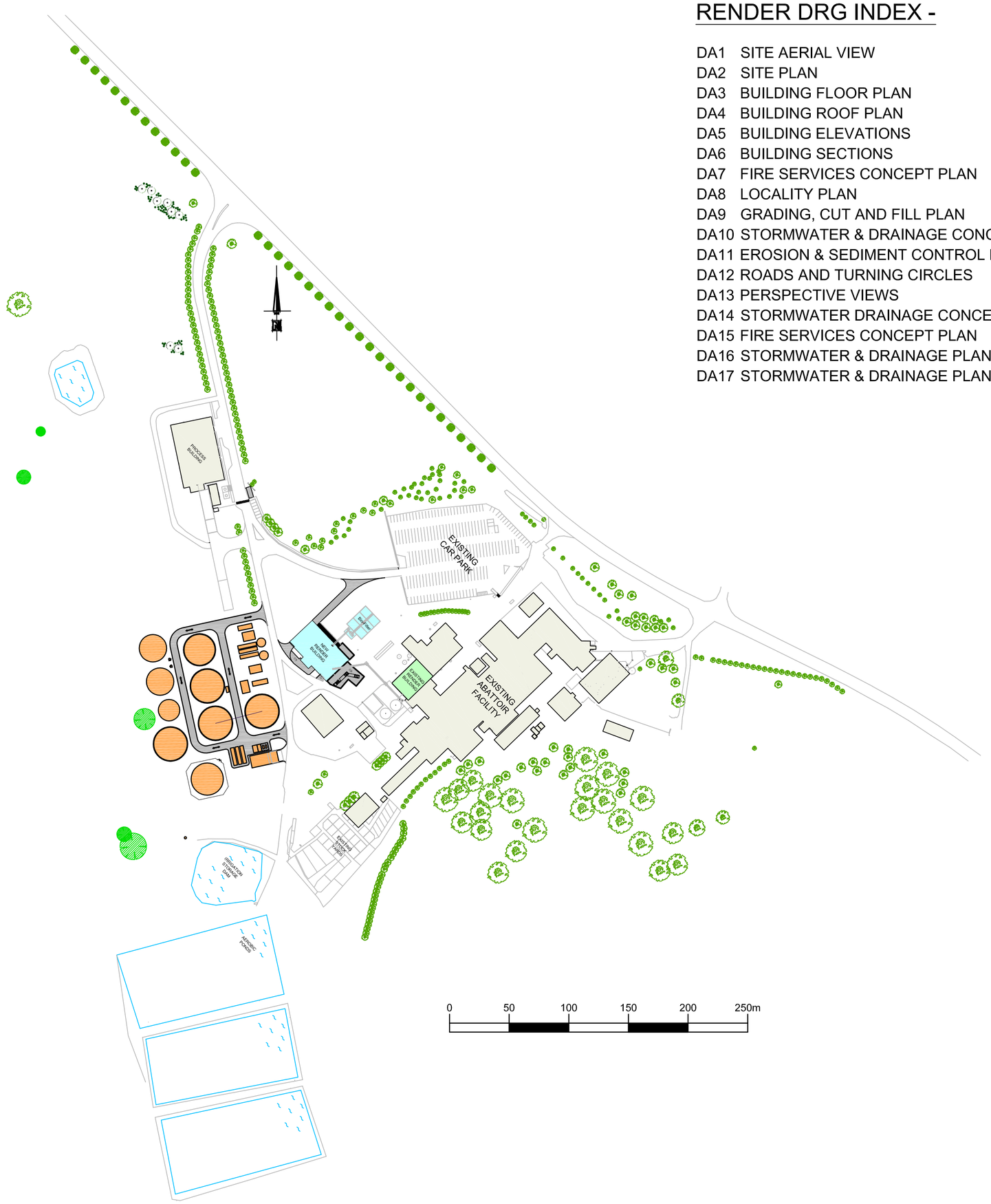
BINDAREE BEEF PTY LTD
INVERELL, NSW



VICINITY MAP



LOCALITY MAP



BIO-DIGESTER DRG INDEX -

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05 FIRE SERVICES CONCEPT PLAN
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DATE	REV.	AMENDMENT	DRAWN
07.04.14	A	DRAWING ORIGINAL ISSUE	W.K.

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PROJECT : DIGESTER & RENDER PROJECT

DRAWING : COVER SHEET

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JOB No: 312-019	DRG No: DA 00	REVISION A	

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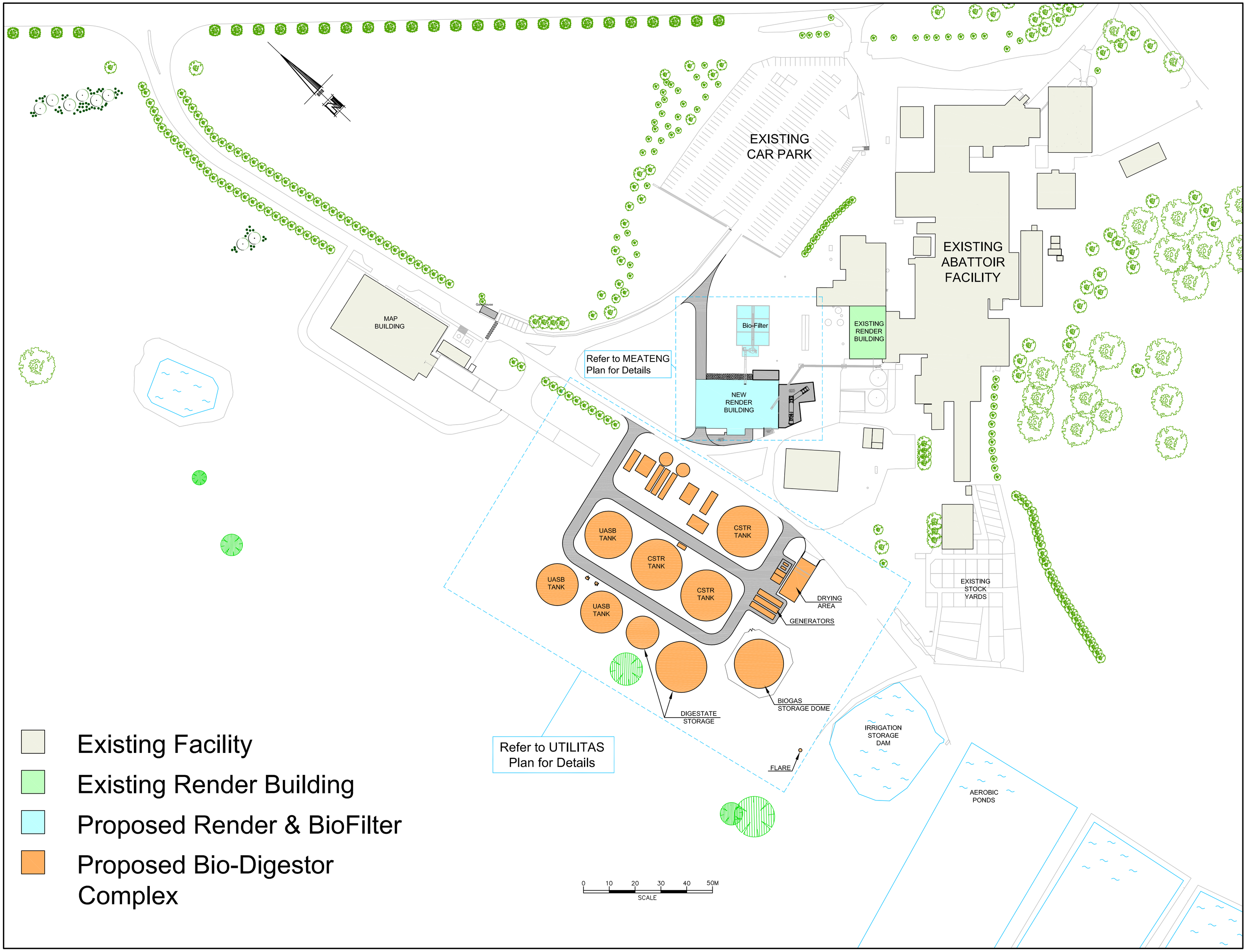

SITE DEVELOPMENT PLAN 1:1000

DATE	REV.	AMENDMENT	DRAWN
27.02.14	B	REVISED BIO DIGESTOR ARRGM'T	W.K.
22.11.13	A	DRAWING ORIGINAL ISSUE	G.D.E

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CLIENT : BINDAREE BEEF PTY LTD

PROJECT : PRELIMINARY SITE CONCEPT

DRAWING : BIO-DIGESTOR AND RENDERING PLAN

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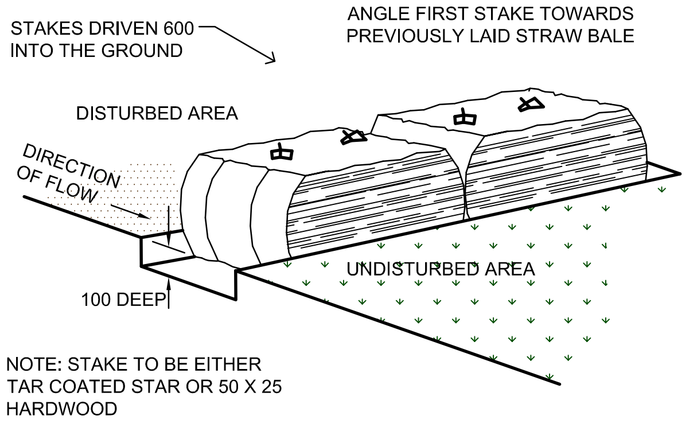
JOB No: 312-019	DRG No: P115	REVISION B



STRAW BALE SEDIMENT FILTER

STRAW BALE AND GEOTEXTILE SEDIMENT FILTER:

STRAW BALES TO BE USED IN TEMPORARY SITUATIONS TO MINIMIZE EROSION WHILE ESTABLISHING GRASS COVER. THEY WILL PROBABLY NEED REPLACEMENT AT INTERVALS OF LESS THAN FOUR MONTHS. WHERE USED ENSURE THAT:

- BOUND WITH WIRE RATHER THAN TWINE.

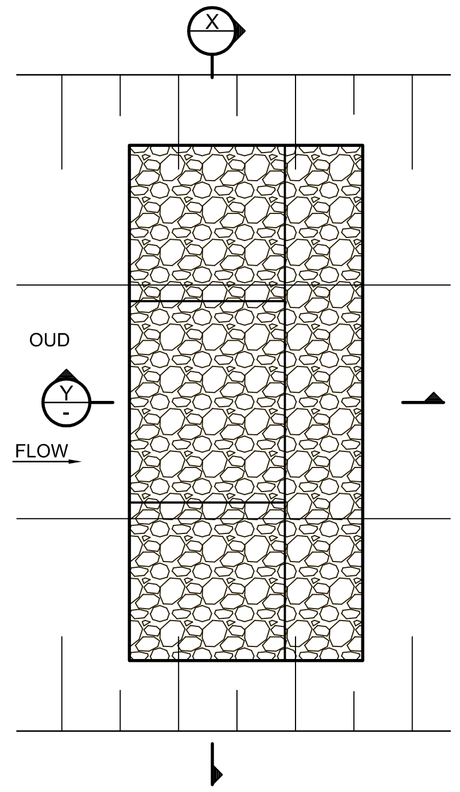
- STAPLE GEOTEXTILES TO BALES.

- PLACED LENGTHWISE IN ROWS, NUMBER TO SUIT SITE CONDITIONS WITH STRAWS PARALLEL TO THE GROUND SURFACE.

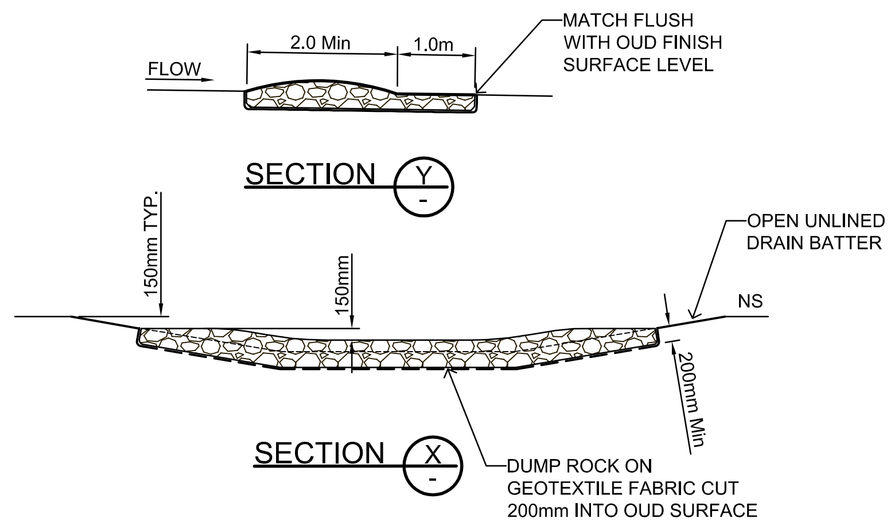
- EMBEDDED INTO THE SOIL TO A DEPTH ON THE UPSLOPE SIDE OF AT LEAST 0.1M

- ANCHORED SECURELY TO THE GROUND BY TWO STAKES OR PICKETS DRIVEN THROUGH THE CENTRE (AS SHOWN ON SKETCH)

- PROVIDE TEMPORARY STRAW BALE FENCES IN TABLE DRAINS DURING CONSTRUCTION PERIOD TO MINIMISE SOIL LOSS AND DECELERATE WATER FLOW.



PLAN

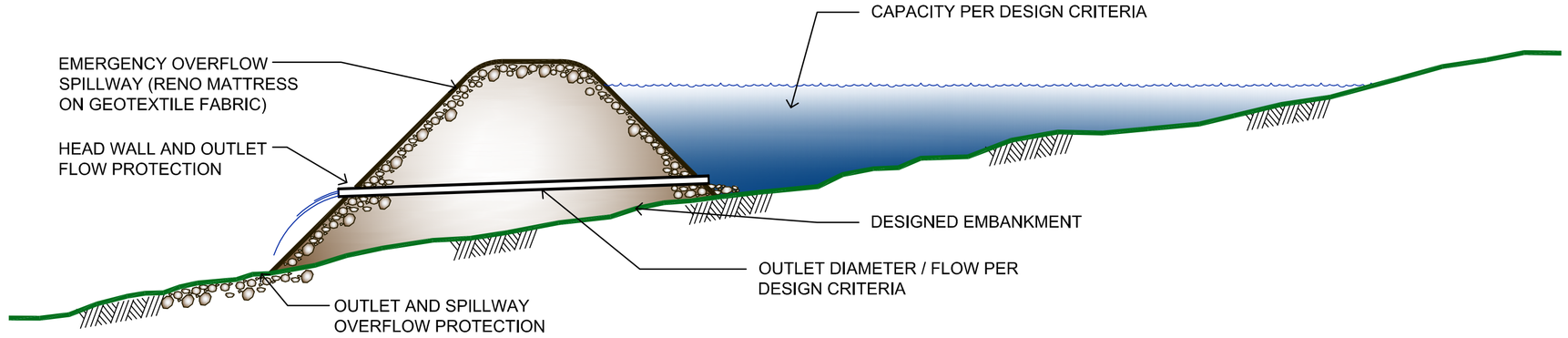


CONSTRUCTION NOTES:

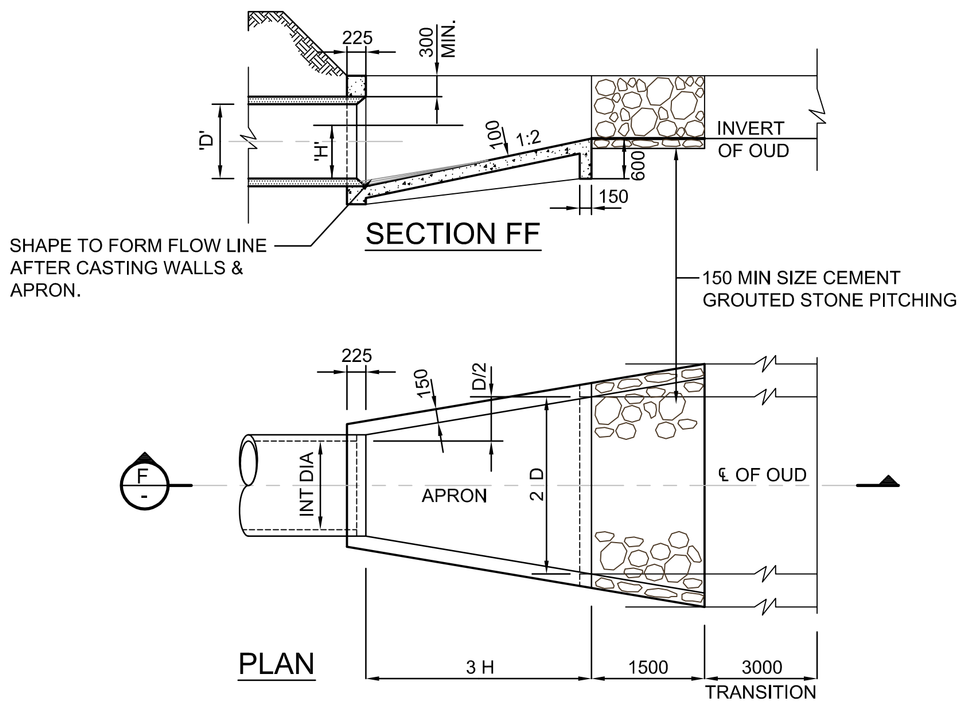
1. TRENCH STRUCTURE 200mm INTO GROUND SURFACE WHEREVER THE STRUCTURE CONTACTS THE OUD BASE. FILL TRENCHES TO 100mm ABOVE GROUND SURFACE TO REDUCE RISK OF UNDERCUTTING.

2. ENSURE HEIGHT OF SPILLWAY IS LESS THAN 1m ABOVE THE GULLY FLOOR.

ROCK CHECK DAM DETAIL



TYPICAL STORMWATER RETENTION BASIN



A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

DATE	REV.	AMENDMENT	DRAWN
21.03.14	C	ISSUE	WK
22.01.14	B	REVISED DRAWINGS	A.S.
08.01.14	A	ORIGINAL ISSUE	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

PROJECT : RENDER PLANT

DRAWING : STORMWATER & DRAINAGE DETAILS - 2

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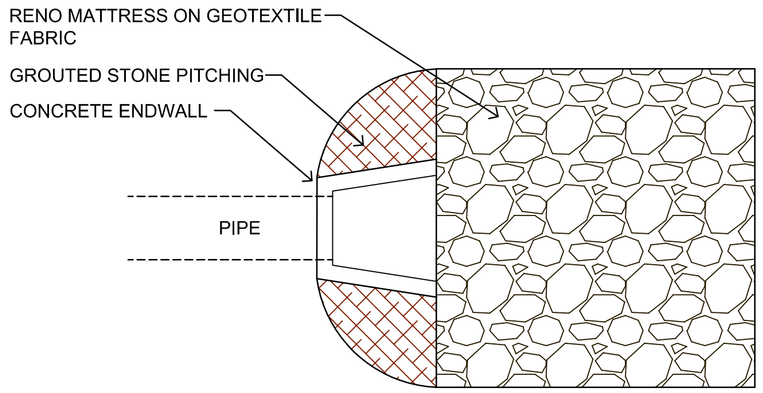
JOB No: 312-016	DRG No: DA17	REVISION C

STORMWATER & DRAINAGE TYPICAL DETAILS N.T.S



OUTER HEADWALL & OUTLET PROTECTION

SEDIMENT FENCE CONSTRUCTION NOTES:

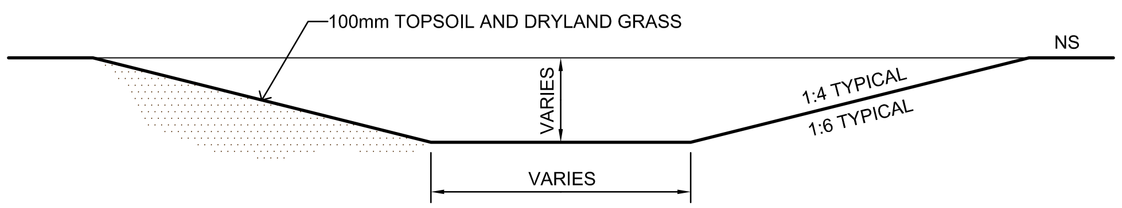
1. CONSTRUCT ALL SEDIMENT CONTROL FENCES ALONG THE CONTOUR WHERE POSSIBLE.
2. WHERE SEDIMENT CONTROL FENCES ARE NOT CONSTRUCTED ALONG THE CONTOUR INCORPORATE RETURN PANELS AT REGULAR INTERVALS NOT EXCEEDING 20m.
3. ALL STAR PICKETS SHALL INCORPORATE APPROVED SAFETY CAPS.
4. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED. BACKFILL TRENCH OVER BASE FABRIC. FIX SELF-SUPPORTING GEOTEXTILE MANUFACTURER. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
5. WHERE APPROVED BY THE SUPERINTENDENT DUMP ROCK MAY BE USED TO ANCHOR THE GEOTEXTILE IN LIEU OF TRENCH.

GENERAL NOTES:

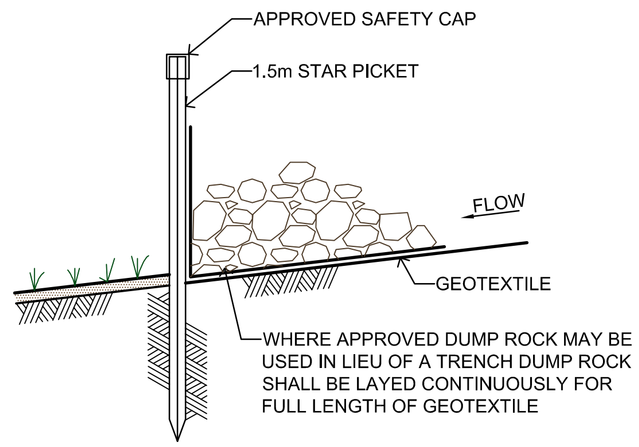
1. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR REUSE.
2. SPREAD STRIPPED MATERIAL OR TOPSOIL 100mm MIN THICK ON ALL BATTERS AND DRAINS, AND GRASS WITH DRYLANDS GRASS.
3. ALL OPEN DRAINS SHALL BE TRAPEZOID IN SHAPE WITH 1 IN 4 MAX. BATTERS OR AS NOTED OTHERWISE .
4. ALL CULVERT ENDWALLS SHALL HAVE OUTLET PROTECTION SUCH AS RENO MATTRESSES ON GEOTEXTILE FABRIC OR GROUTED STONE PITCHING AS DOCUMENTED. PROVIDE GROUTED STONE PITCHING AROUND HEADWALLS.
5. ALL INLETS TO LETTER BOX PITS SHALL HAVE GROUTED STONE PITCHING.
6. ROCK CHECK DAMS AND SILT TRAPS SHALL BE REMOVED AFTER COMPLETION OF WORKS AND GRASS HAS BEEN ESTABLISHED FOR AT LEAST 14 WEEKS.
7. THE CONSTRUCTION ACCESS SHALL BE REHABILITATED TO THE SATISFACTION OF THE SUPERINTENDENT. TRACK SHALL BE RIPPED, TOPSOIL RESPREAD & DRYLAND GRASSED.
8. ALL DISTURBED AREAS AND EARTHWORKS SHALL BE PROGRESSIVELY REHABILITATE WITH GRASS OR OTHER COVER.

EROSION CONTROL:

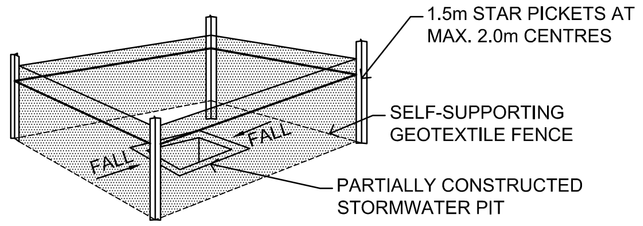
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL TRAFFIC INTO AND OUT OF THE SITE, INCLUDING THE MOVEMENT OF CONSTRUCTION TRAFFIC WITHIN THE SITE AND SHALL MAINTAIN DUST SUPPRESSION MEASURES TO THE SATISFACTION OF THE SUPERINTENDENT.
2. BEFORE CLEARING COMMENCES AREAS OF VEGETATION NOMINATED FOR PROTECTION SHALL BE FLAGGED OR FENCED AND THE INSPECTION BY THE SUPERINTENDENT. CLEARING OF VEGETATION SHALL BE RESTRICTED TO THE NOMINATED AREAS.
3. STRIPPED TOPSOIL SHALL BE STOCKPILED FOR REUSE AT LOCATIONS NOMINATED ON THE DRAWINGS. WHERE AVAILABLE SPACE ALLOWS STOCKPILE HEIGHTS ARE TO BE 2.0m MAX WITH 1 IN 4 BATTERS.
4. SILT FENCING SHALL BE INSTALLED BEFORE COMMENCING EARTHWORKS. ALL OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED UPON COMPLETION OF EARTHWORKS OR AS DIRECTED BY THE SUPERINTENDENT. RENDER THE AREA EROSION PROOF WITHIN 14 DAYS OF COMPLETION.
5. SILT FENCING SHALL BE PLACED ON CONTOUR WHEN POSSIBLE. WHEN NOT POSSIBLE INSTALL RETURN PANELS AT REGULAR INTERVALS OF 20m MAX.
6. ALL DISTURBED AND UNSEALED AREAS SHALL BE DAMPENED AND ROLLER TO SEAL THE SURFACE TO MINIMISE DUST.
7. ALL TEMPORARY EARTH BERMS AND DIVERSION EMBANKMENTS SHALL BE MACHINE COMPACTED AND MAINTAINED TO THE SATISFACTION OF THE SUPERINTENDENT.
8. INSTALL ALL EROSION CONTROL DEVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND AS DIRECTED BY THE SUPERINTENDENT.
9. INSPECT SEDIMENT CONTROL STRUCTURES WEEKLY AND AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. REMOVE ALL SILT TO MAINTAIN STORAGE CAPACITY. REPAIR ANY DAMAGE AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
10. SILT REMOVED FROM SILT TRAPS SHALL BE DUMPED AT A LOCATION THAT PREVENTS SILT RE-ENTERING THE SYSTEM. LOCATION SHALL BE TO THE APPROVAL OF THE SUPERINTENDENT.
11. ON COMPLETION OF INLET PITS, INSTALL AGG. PIPE IN GEOTEXTILE SOCK, FILLED WITH AGGREGATE, ACROSS OPENING. ENSURE PIPE COVERS THE FULL OPENING OF THE PIT. REMOVE ON COMPLETION OF THE WORKS. SAND BAGS ARE NOT AN ACCEPTABLE ALTERNATIVE.
12. DIVERT ALL STORMWATER RUNOFF AWAY FROM DISTURBED GROUND AND INTO INTACT NATIVE VEGETATION OR THE STORMWATER DRAINAGE SYSTEM.
13. COMPLETE ALL FINAL EROSION PREVENTION MEASURES PRIOR TO FINAL HANDOVER INSPECTION. MAINTAIN ALL CONTROL DEVICES UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
14. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED DURING CONSTRUCTION.
15. ANY CHANGES TO THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT.
16. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE UNDERTAKEN TO THE SATISFACTION OF THE SUPERINTENDENT.



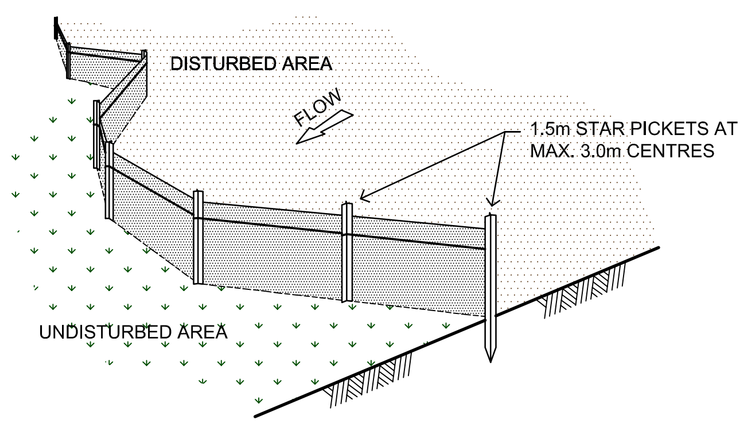
TYPICAL TRAPEZOIDAL DRAIN



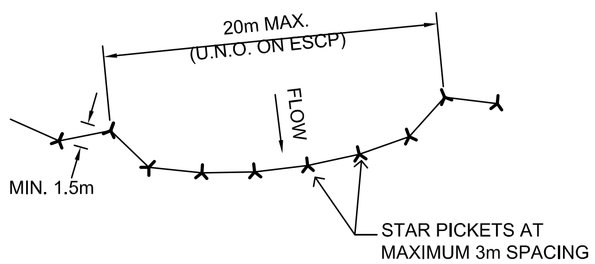
ALTERNATIVE FENCE INSTALLATION AND ANCHOR DETAIL



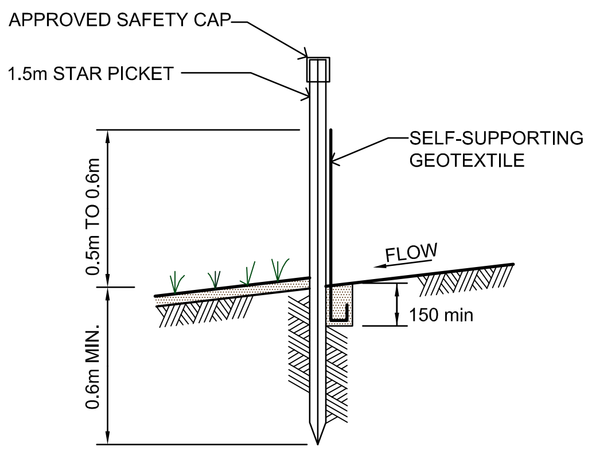
SEDIMENT FENCE AROUND STORMWATER PITS



DETAIL A1



DETAIL A2



STANDARD FENCE INSTALLATION & ANCHOR DETAIL

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

SEDIMENT FENCE INSTALLATION DETAILS

STORMWATER & DRAINAGE TYPICAL DETAILS N.T.S

A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

DATE	REV.	AMENDMENT	DRAWN
21.03.14	B	ISSUE	WK
07.01.14	A	ORIGINAL ISSUE	A.S.

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PROJECT : RENDER PLANT

DRAWING : STORMWATER & DRAINAGE DETAIL - 1

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JOB No: 312-016	DRG No: DA16	REVISION B

FIRE SERVICES RINGMAINS 1:750

A1 SHEET 1:100 / A3 SHEET 1:200 — 0 1000 2000 — 1:100

A1 SHEET 1:50 / A3 SHEET 1:100 — 0 500 1000 — 1:50

A1 SHEET 1:25 / A3 SHEET 1:50 — 0 250 500 — 1:25

B1 SHEET 1:10 / A3 SHEET 1:20 — 0 100 200 — 1:10

LEGEND:

- FIRE HYDRANT, LOCATION AND INSTALLATION TO COMPLY WITH AS. 2419.1
- 10M RADIUS
- 50M RADIUS
- WATER MAIN 100mm Ø "BLUE BRUTE" FIRE SERVICE BRANCH
- WATER TANKS STATIC STORAGE 250kL
- PUMP HOUSE

DATE	REV.	AMENDMENT	DRAWN
25.03.14	G	FINAL ISSUE	W.K.
21.03.14	F	ISSUE	W.K.
04.03.14	E	ALTERED DRAWING LABELLING	W.K.
28.02.14	D	REVISED DRAWINGS	A.S.
14.02.14	C	REVISED DRAWINGS	A.S.
13.01.14	B	REVISED DRAWINGS	A.S.
07.01.14	A	ORIGINAL ISSUE	W.K.

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CLIENT : BINDAREE BEEF PTY LTD

PROJECT : PROCESSING FACILITY

DRAWING : FIRE SERVICES CONCEPT LAYOUT

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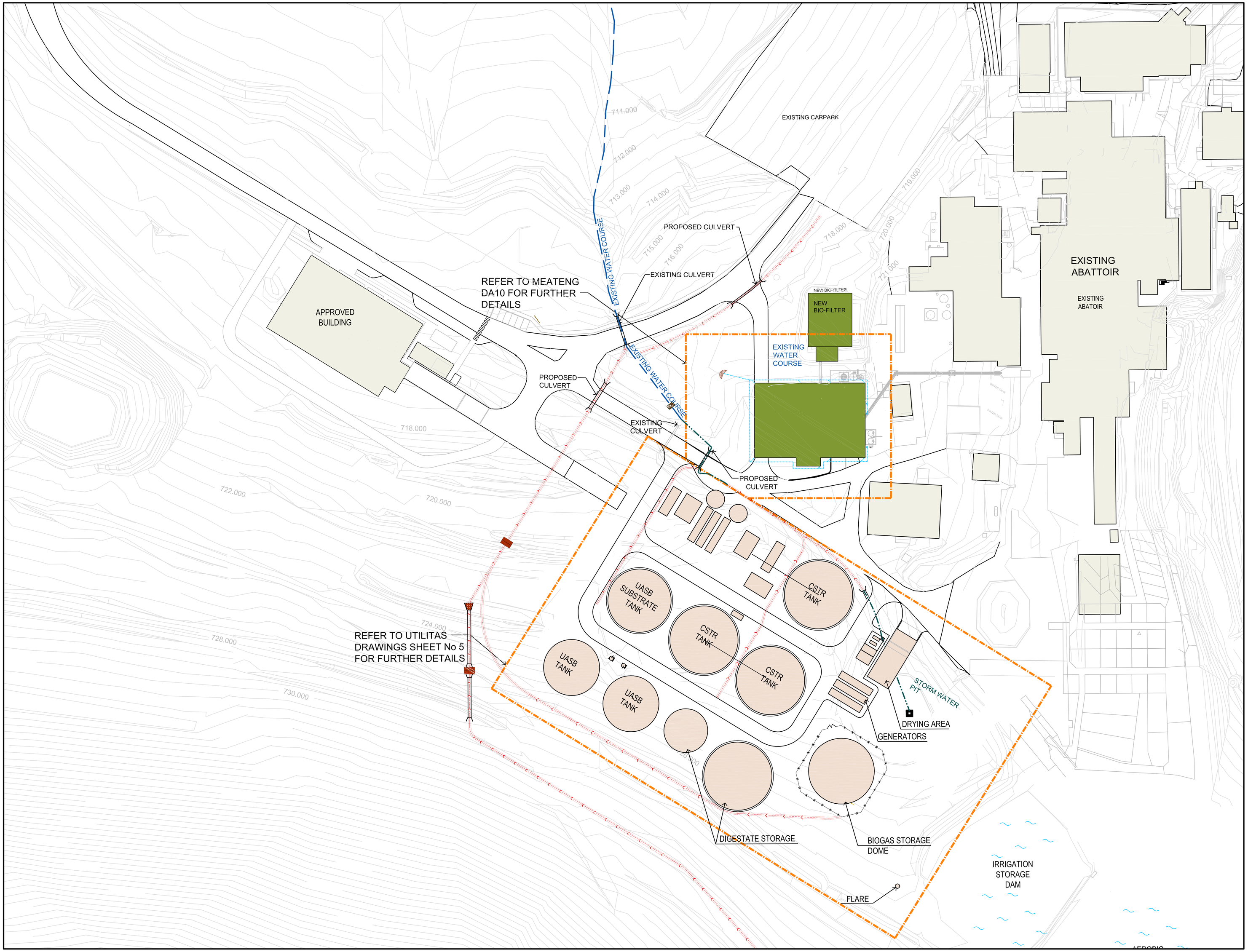
JOB No: 312-016	DRG No: DA15	REVISION G	



STORMWATER & DRAINAGE CONCEPT PLAN 1:250

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A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

LEGEND

- EXISTING WATER COURSE
- PROPOSED WATER COURSE
- OPEN TRAPEZOIDAL DRAIN
- DRAINAGE CULVERT AND END WALLS
- ROOF RAINWATER SYSTEM
- DROP STRUCTURE
- GABION INLET PROTECTION
- ROCK BAFFLE

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

DATE	REV.	AMENDMENT	DRAWN
25.03.14	F	FINAL ISSUE	WK
21.03.14	E	ISSUE	WK
18.02.14	D	REVISED DRAWINGS	WK
14.02.14	C	REVISED DRAWINGS	A.S.
17.01.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	ORIGINAL ISSUE	A.S.

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PROJECT : BIO DIGESTOR AND RENDERING PLANT

DRAWING : STORMWATER & DRAINAGE CONCEPT PLAN

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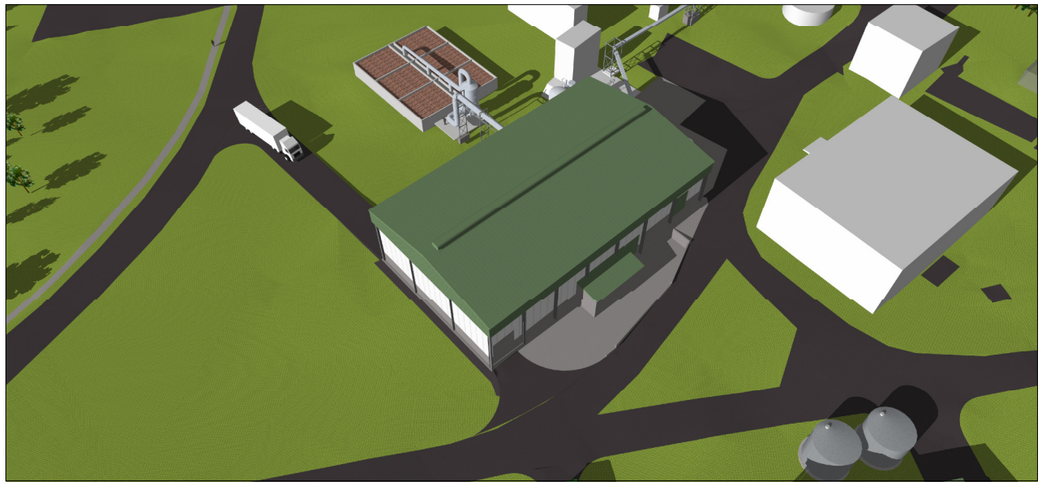
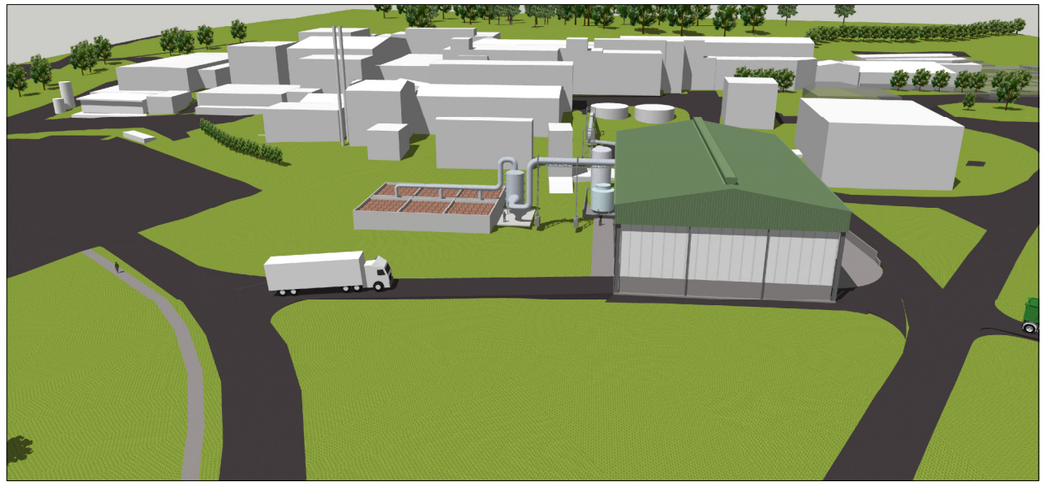
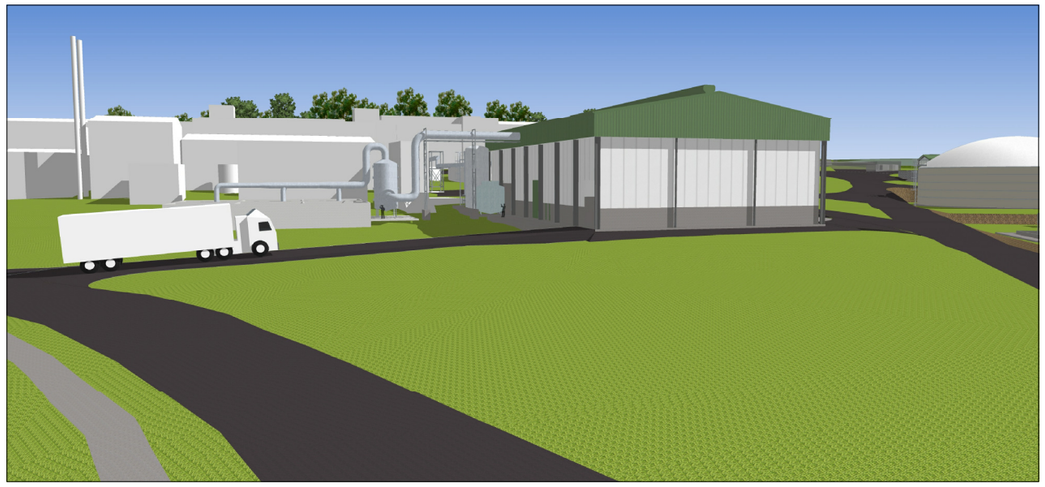
JOB No: 312-016	DRG No: DA14		REVISION F







A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

DATE	REV.	AMENDMENT	DRAWN
24.03.14	C	FINAL ISSUE	A.S.
21.03.14	B	ISSUE	WK
20.12.13	A	DRAWING ORIGINAL ISSUE	A.S.

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CLIENT :

BINDAREE
BEEF
PTY LTD

PROJECT : RENDER PLANT

DRAWING : PERSPECTIVE VIEWS

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: A.S.	SCALE: N.T.S.	SHEET SIZE: A1	
CHECKED: P.T.	DATE: DEC' 2013		
JOB No: 312-016	DRG No: DA13	REVISION C	

SITE PLAN 1:200

A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	WK
21.03.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	DRAWING ORIGINAL ISSUE	J.B.

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CLIENT :
BINDAREE
BEEF
PTY LTD

PROJECT : RENDER PLANT

DRAWING : ROADS AND TURNING CIRCLES

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:250	SHEET SIZE: A1	
CHECKED: P.T.	DATE: DEC' 2013		
JOB No: 312-016	DRG No: DA12	REVISION D	

713.000
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719.000
720.000
721.000

INDICATIVE USABLE MATERIAL STOCKPILE AREA

INDICATIVE USABLE MATERIAL STOCKPILE AREA

SEDIMENT FENCES

ROCK SEDIMENT SILT TRAP

SEDIMENT FENCES

EXISTING ABATOIR

EXISTING CULVERT

SEDIMENT FENCES

EXISTING WATER COURSE

EXISTING WATER COURSE

ROCK CHECK DAM

SEDIMENT FENCES

ROCK BAFFLE

TEMPORARY INDICATIVE TOP SOIL STOCKPILE AREA

EXISTING CULVERT

EXISTING WATER COURSE

EROSION & SEDIMENT PLAN 1:200

A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

LEGEND

- EXISTING WATER COURSE
- SEDIMENT FENCE
- OPEN TRAPEZOIDAL DRAIN
- PROPOSED ROCK CHECK DAM
- DRAINAGE CULVERT AND END WALLS
- STRAW BALE SEDIMENT FILTER
- ROCK BAFFLE

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

DATE	REV.	AMENDMENT	DRAWN
27.03.14	E	FINAL ISSUE	WK
21.03.14	D	ISSUE	WK
14.02.14	C	REVISED DRAWINGS	A.S.
13.01.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	DRAWING ORIGINAL ISSUE	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

PROJECT : RENDER PLANT

DRAWING : EROSION & SEDIMENT CONTROL PLAN

MEATENG

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VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6888, email: info@meateng.com.au

DRAWN: A.S.	SCALE: 1:200	SHEET SIZE: A1	
CHECKED: P.T.	DATE: 13.11.2013		
JOB No: 312-016	DRG No: DA11	REVISION E	

713.000
714.000
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718.000
719.000
720.000
721.000

FURTHER INFORMATION ON FALL OFF REFER TO DA14

EXISTING WATER COURSE

EXISTING CULVERT

ROCK SEDIMENT SILT TRAP

PROPOSED CULVERT

NEW BIO-FILTER BED

EXISTING ABATOIR

PROPOSED CULVERT

EXISTING WATER COURSE

UNDERGROUND

ROCK SEDIMENT SILT TRAP

UNDERGROUND

EXISTING WATER COURSE

ROCK BAFFLE

EXISTING CULVERT

UNDERGROUND

NEW RENDER BUILDING

UNDERGROUND

UNDERGROUND

EXISTING WATER COURSE

WATER TANK

WATER TANK

STORMWATER & DRAINAGE CONCEPT PLAN 1:250

A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

LEGEND

- EXISTING WATER COURSE
- OPEN TRAPEZOIDAL DRAIN
- PROPOSED ROCK SEDIMENT SILT TAP
- DRAINAGE CULVERT AND END WALLS
- ROOF RAINWATER SYSTEM (UNDERGROUND)
- ROCK BAFFLE

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

DATE	REV.	AMENDMENT	DRAWN
27.03.14	E	FINAL ISSUE	WK
21.03.14	D	ISSUE	WK
14.02.14	C	REVISED DRAWINGS	A.S.
13.01.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	ORIGINAL ISSUE	A.S.

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CLIENT : BINDAREE BEEF PTY LTD

PROJECT : RENDER PLANT

DRAWING : STORMWATER & DRAINAGE CONCEPT PLAN

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL, VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:250		SHEET SIZE: A1
CHECKED: SH.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA10	REVISION E	

713.000
714.000
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719.000
720.000
721.000

GRADED PAD
RL. 719.70

EXISTING ABATOIR

UP

BUILDING PAD EDGE

EXTENT OF CUT LINE

GRADED PAD
RL. 719.80

GRADED PAD
RL. 721.80

BUILDING PAD EDGE

BUILDING PAD EDGE

SITE SCRAPE 200mm FROM NGL

RETAINING WALL MAX HEIGHT 1500 TAPPERED TO FOLLOW EXIST. SLOPE

EXISTING PIT TO BE BACK FILLED AND BRICKS REMOVED

WATER TANK

WATER TANK

DOWN

SCRAPED PAD
RL. 719.60

RETAINING WALL MAX HEIGHT 1500 TAPPERED TO FOLLOW EXIST. ROAD

PRELIMINARY FINAL CONTOUR PLAN 1:500

A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

LEGEND

- DIRECTIONAL ARROW
- SPOT LEVEL (RL. 715.500)
- RETAINING WALL
- BATTER
- GRADE CUT LINE
- EMBANKMENT

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

DATE	REV.	AMENDMENT	DRAWN
25.03.14	E	FINAL ISSUE	WK
21.03.14	D	ISSUE	WK
14.02.14	C	REVISED DRAWINGS	A.S.
13.01.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	DRAWING ORIGINAL ISSUE	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

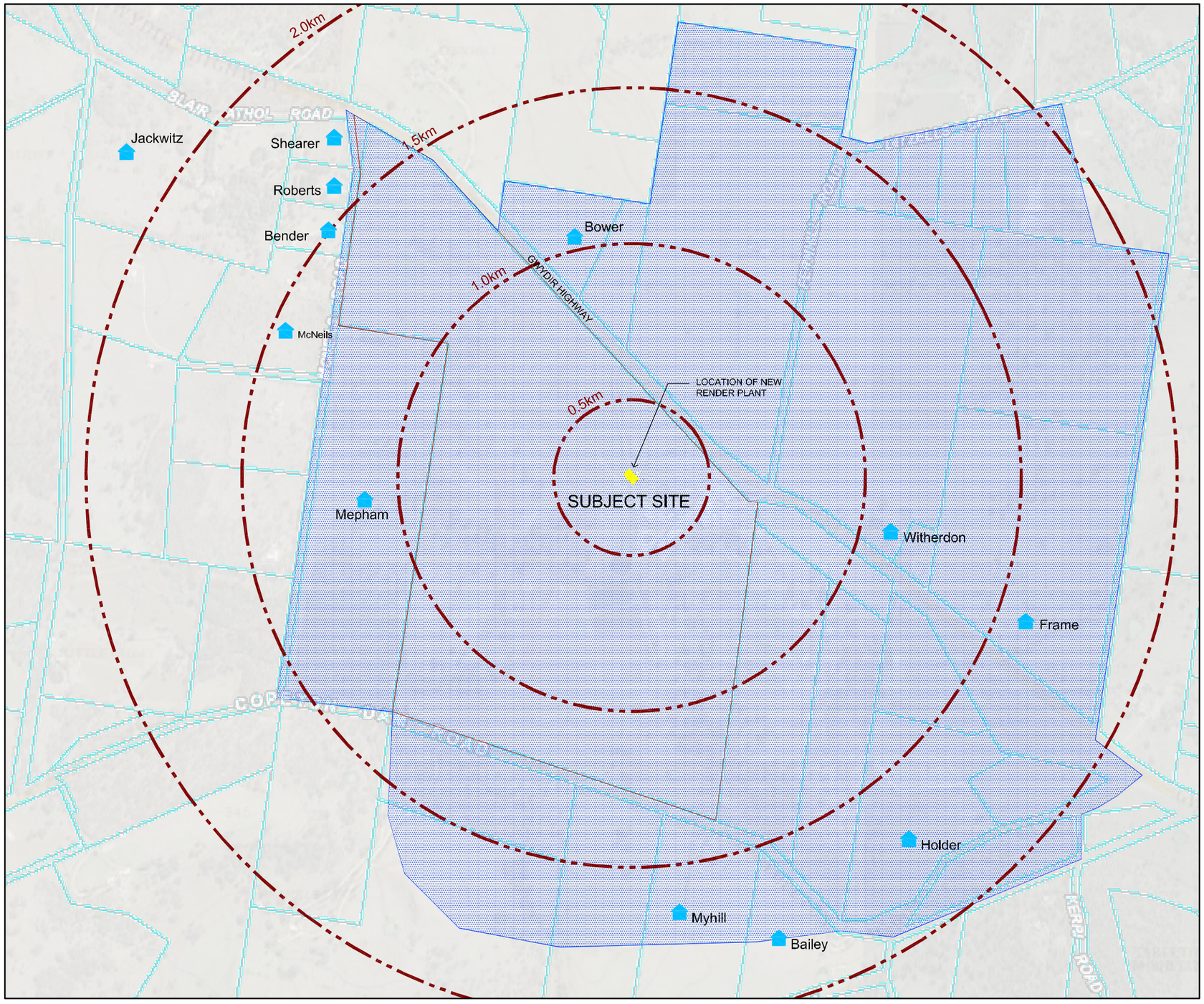
PROJECT : RENDER BUILDING

DRAWING : CUT AND FILL LAYOUT

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:500	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA09	REVISION E	



N

A1 SHEET 1:100 A3 SHEET 1:200	0 1000 2000 1:100
A1 SHEET 1:50 A3 SHEET 1:100	0 500 1000 1:50
A1 SHEET 1:25 A3 SHEET 1:50	0 250 500 1:25
B1 SHEET 1:10 A3 SHEET 1:20	0 100 200 1:10

LEGEND:

- SUBJECT SITE
- LIVESTOCK PROCESSING INDUSTRY BUFFER UNDER INVERELL LEP 2012
- EXISTING DWELLINGS

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	A.S.
21.03.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	ORIGINAL VERSION	A.S.

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CLIENT:
BINDAREE BEEF PTY LTD

PROJECT: RENDER PLANT

DRAWING: LOCALITY PLAN

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
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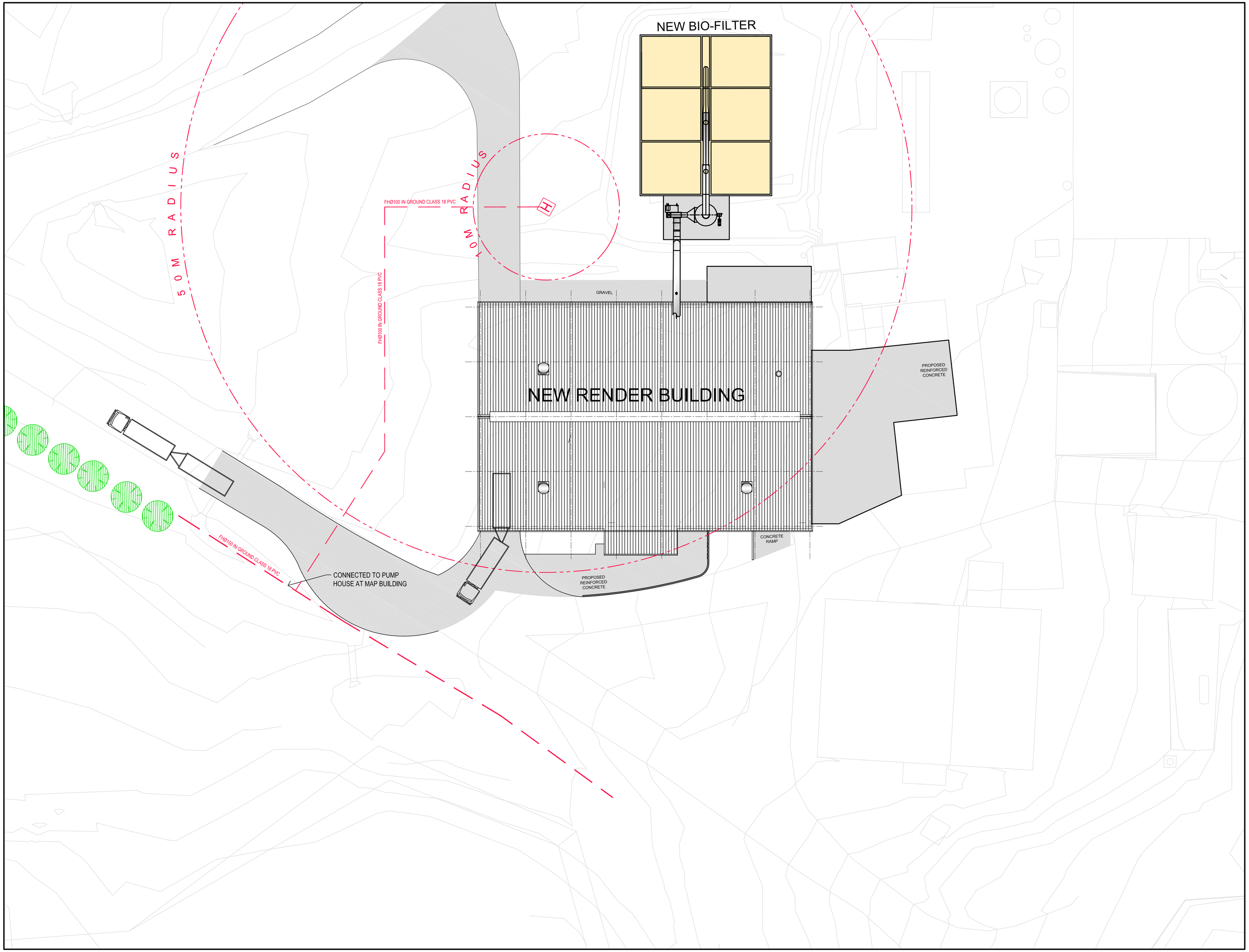
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: NTS	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA08	REVISION D	



FIRE SERVICES PLAN 1:250

A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	A.S.
21.03.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
26.11.13	A	ORIGINAL VERSION	J.B.

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CLIENT :
BINDAREE
BEEF
PTY LTD

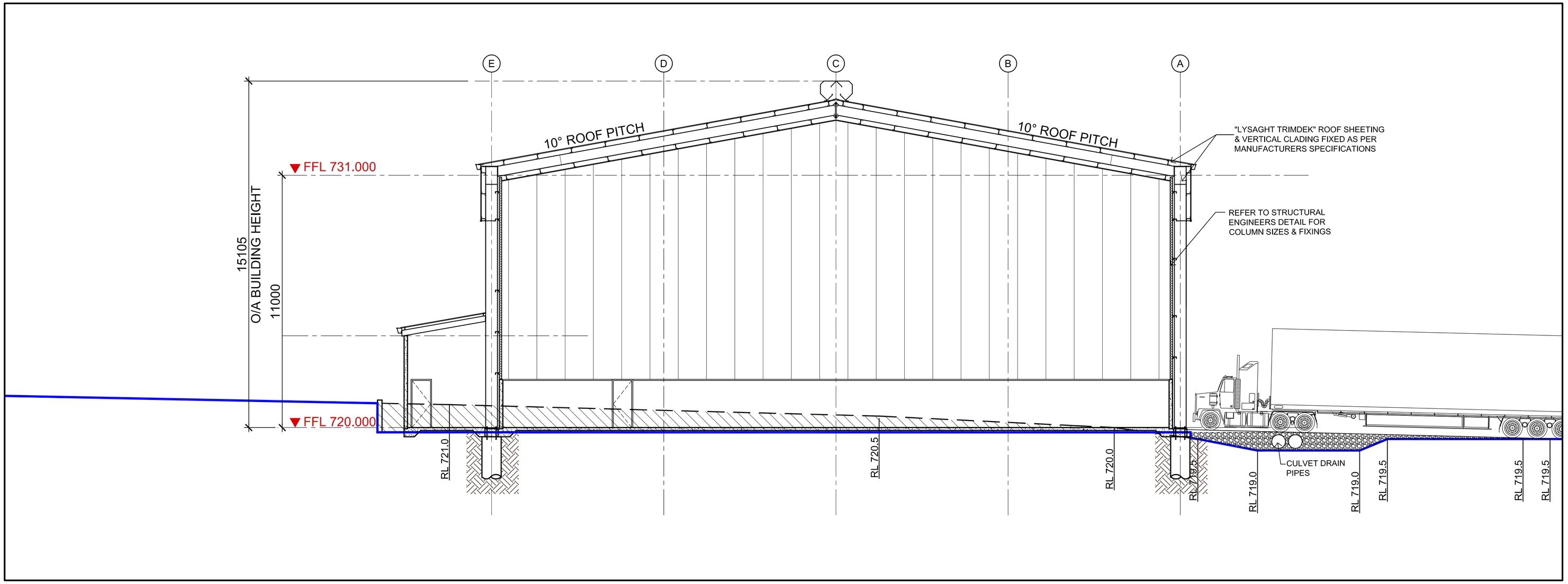
PROJECT : RENDER PLANT

DRAWING : FIRE SERVICES PLAN

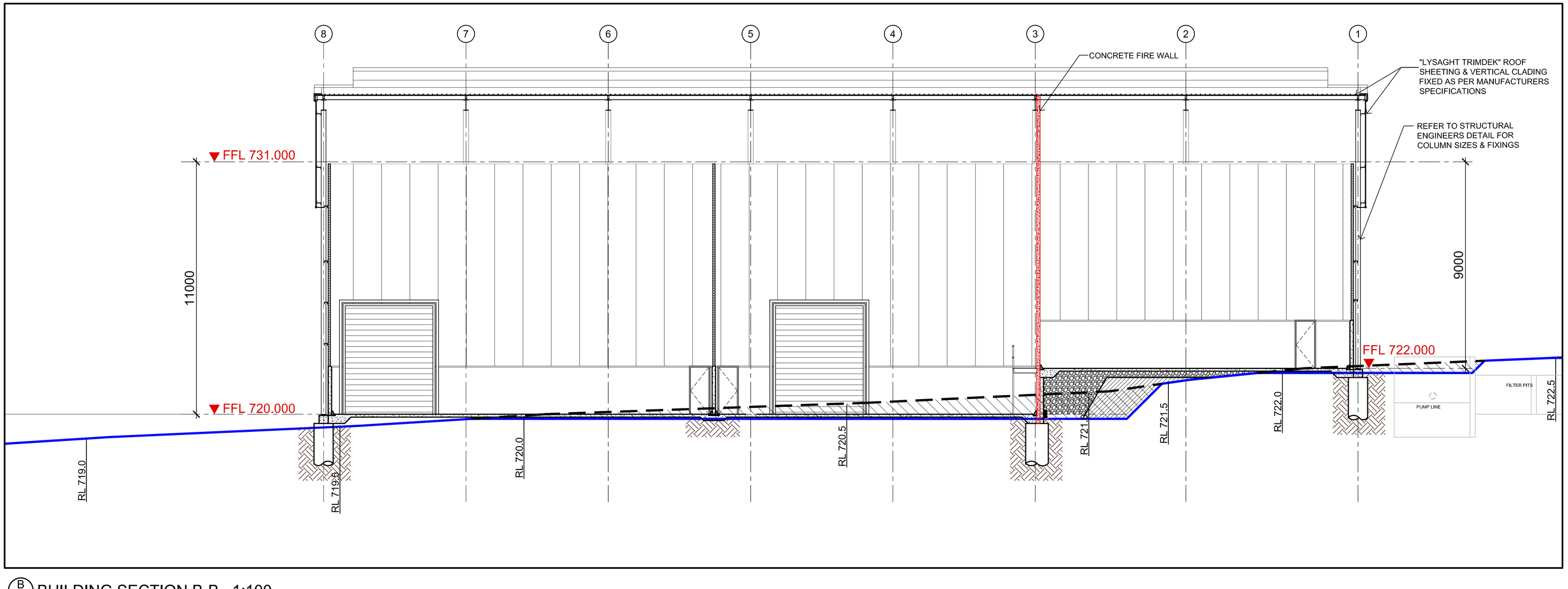
MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:250	SHEET SIZE: A1	
CHECKED: P.T.	DATE: OCT' 2013		
JOB No: 312-016	DRG No: DA07	REVISION D	



A DA03 BUILDING SECTION A-A 1:100



B DA03 BUILDING SECTION B-B 1:100

A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

DATE	REV.	AMENDMENT	DRAWN
25.03.14	D	FINAL ISSUE	WK
21.03.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
22.11.13	A	DRAWING INITIAL ISSUE	J.B.

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CLIENT :
BINDAREE BEEF PTY LTD

PROJECT : RENDER PLANT

DRAWING : BUILDING SECTIONS

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
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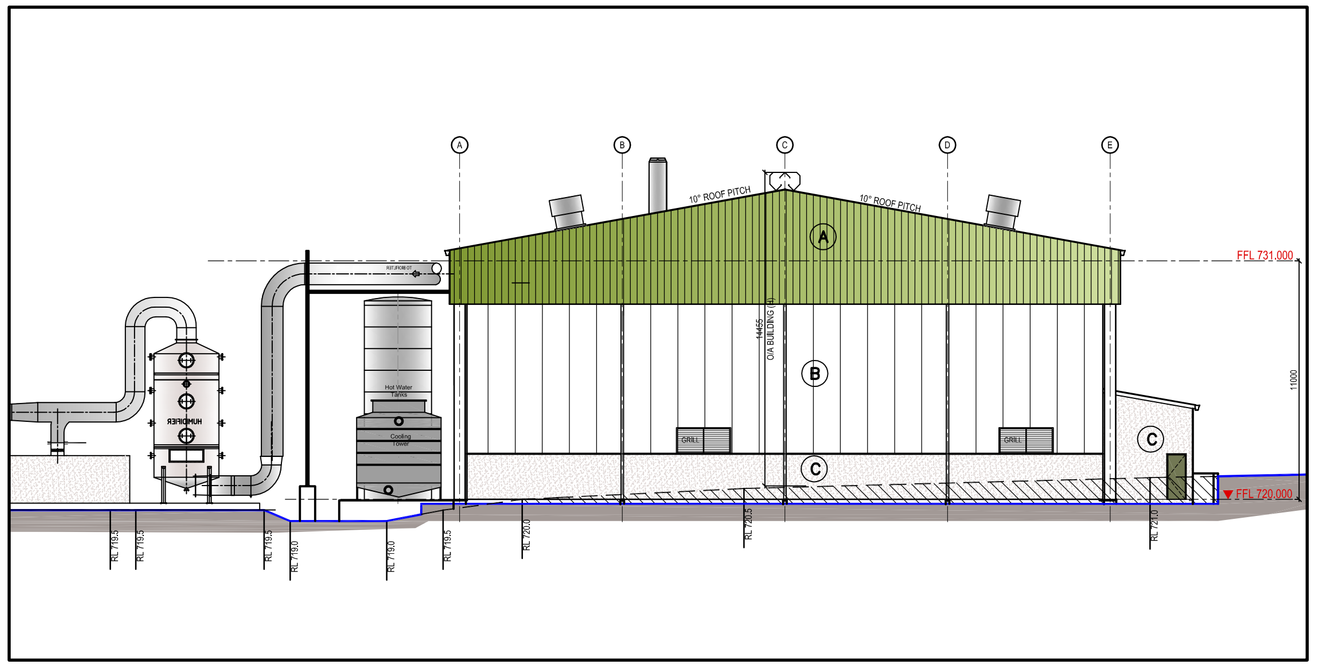
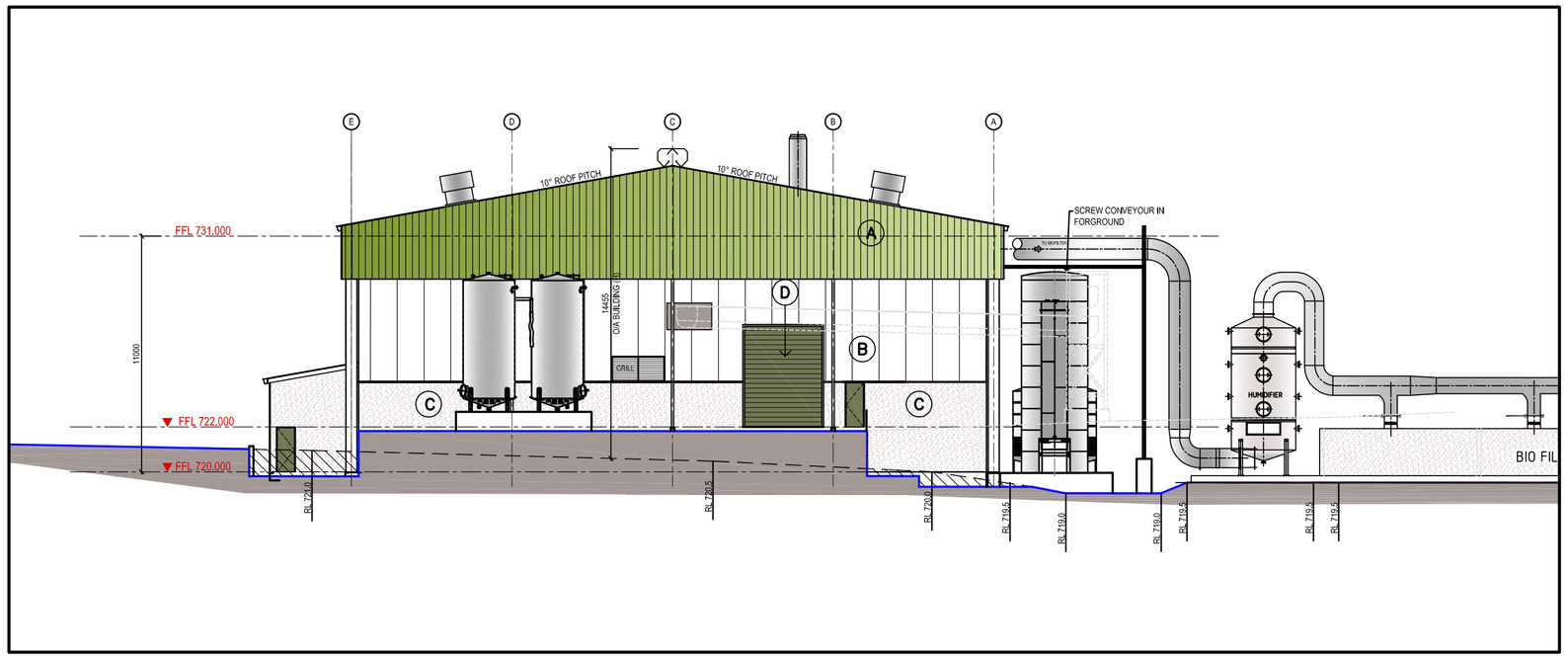
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

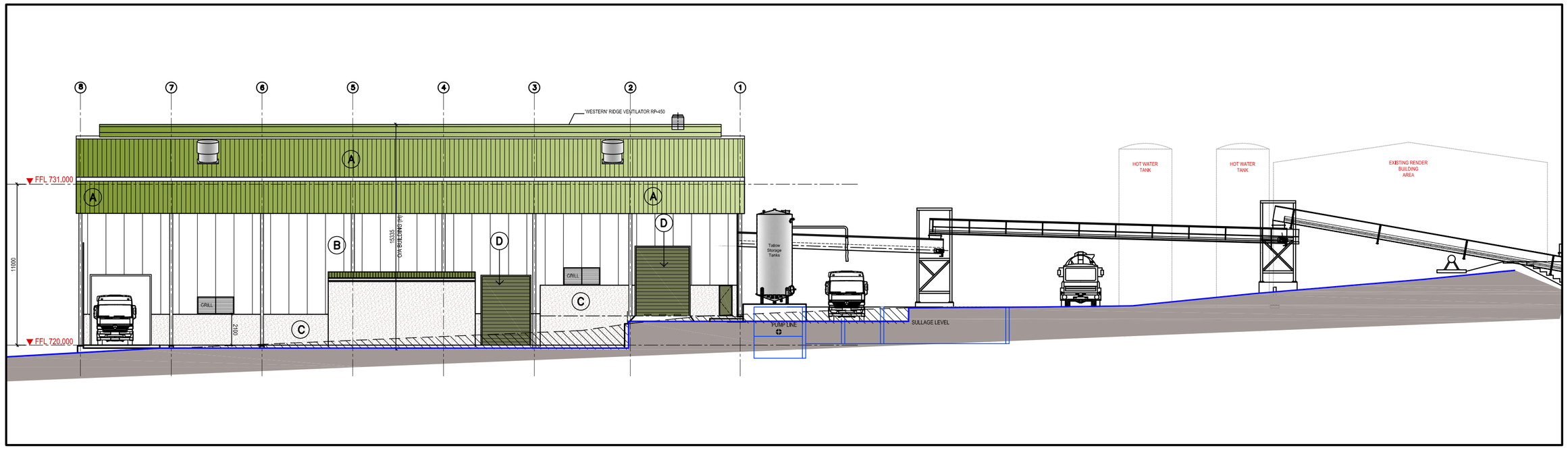
DRAWN: J.B.	SCALE: 1:100	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA06	REVISION D	



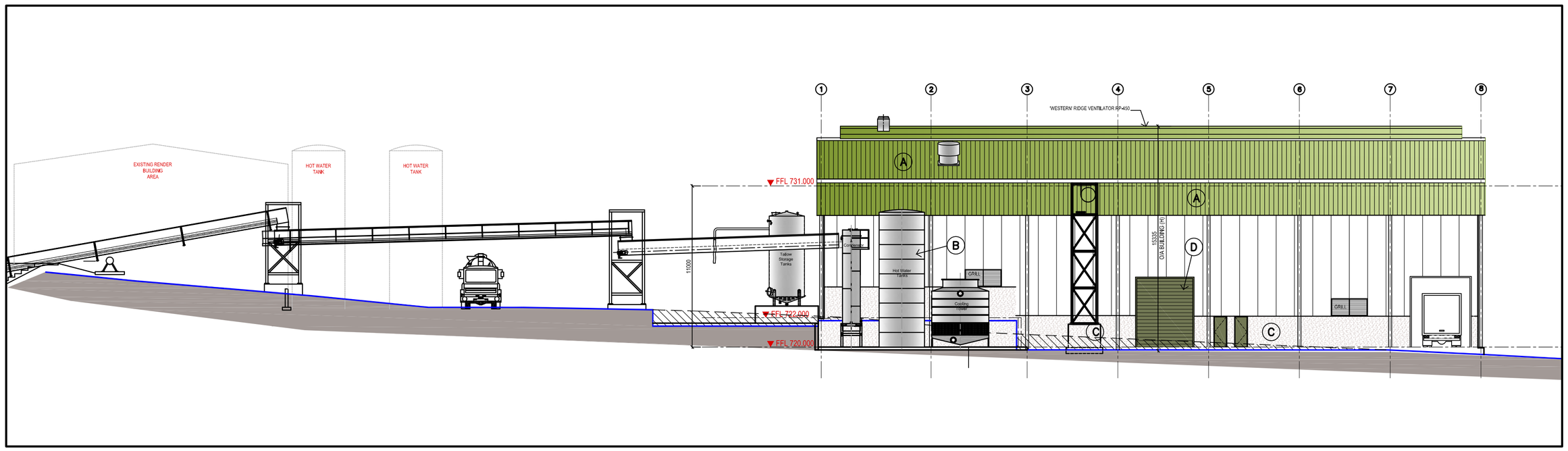
NORTH ELEVATION 1:200



SOUTH ELEVATION 1:200



WEST ELEVATION 1:200



EAST ELEVATION 1:200

MATERIALS SCHEDULE:

A	COLORBOND PALE EUCALYPT VERTICAL WALL/ROOF CLADDING WITH COLORBOND FLASHINGS
B	INSULATED WALL PANELS
C	CONCRETE PANELS
D	ROLLER SHUTTER

A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	WK
21.03.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	ORIGINAL VERSION	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

PROJECT : RENDER PLANT

DRAWING : BUILDING ELEVATIONS

MEATENG

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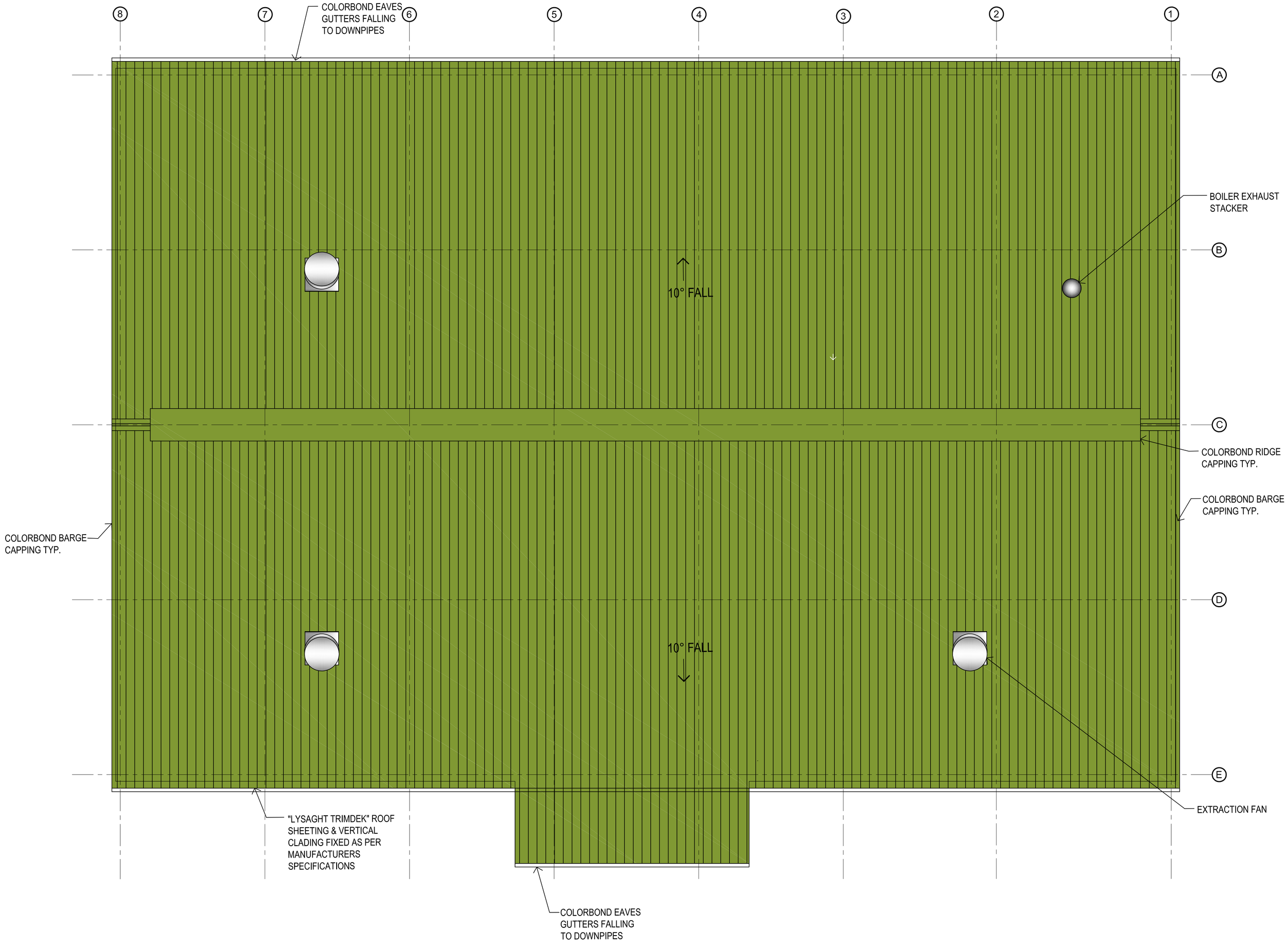
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:200	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA05	REVISION D	



ROOF PLAN 1:100

A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	A.S.
14.02.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	ORIGINAL VERSION	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

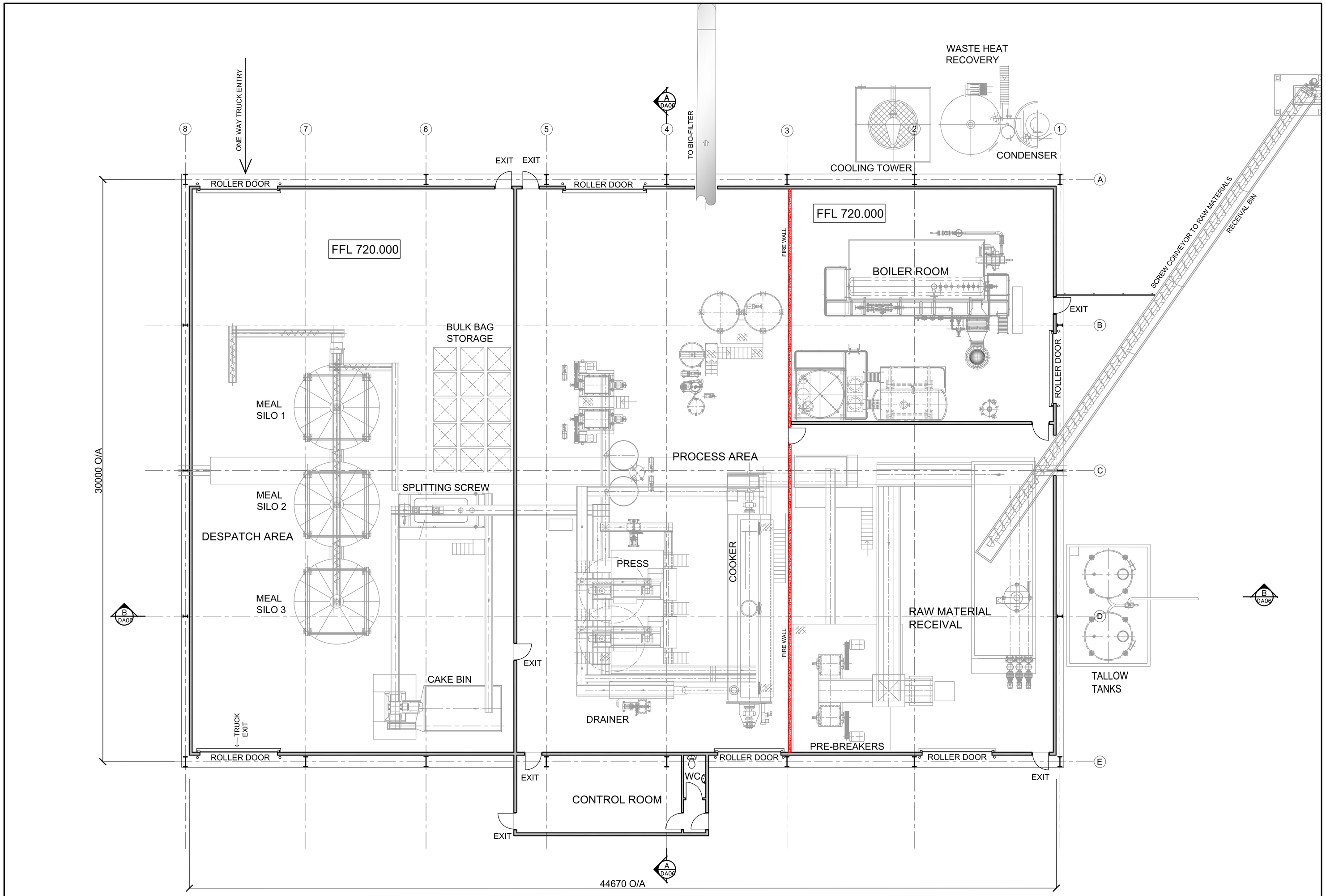
PROJECT : RENDER PLANT

DRAWING : BUILDING ROOF PLAN

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:100	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA04	REVISION D	



PROCESS LAYOUT 1:100

A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	WK
21.03.14	C	ISSUE	WK
14.02.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	ORIGINAL VERSION	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

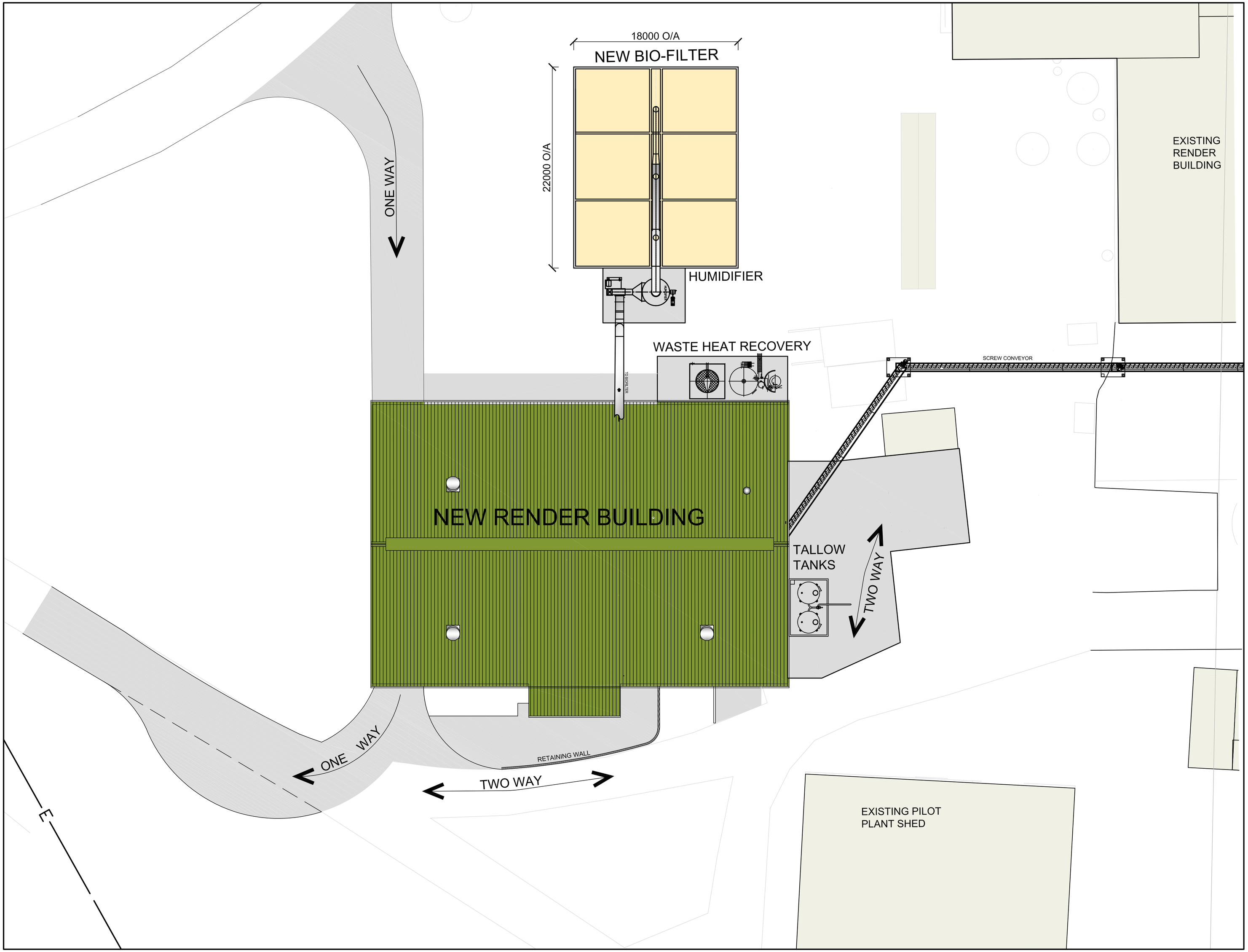
PROJECT : RENDER PLANT

DRAWING : BUILDING FLOOR PLAN

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:100		SHEET SIZE: A1
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA03	REVISION D	



SITE PLAN 1:200

A1 SHEET 1:100	0 1000 2000
A3 SHEET 1:200	1:100
A1 SHEET 1:50	0 500 1000
A3 SHEET 1:100	1:50
A1 SHEET 1:25	0 250 500
A3 SHEET 1:50	1:25
B1 SHEET 1:10	0 100 200
A3 SHEET 1:20	1:10

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	WK
21.03.14	C	ISSUE	WK
14.02.14	B	DRAWING ORIGINAL ISSUE	A.S.
20.12.13	A	DRAWING ORIGINAL ISSUE	A.S.

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CLIENT :
BINDAREE
BEEF
PTY LTD

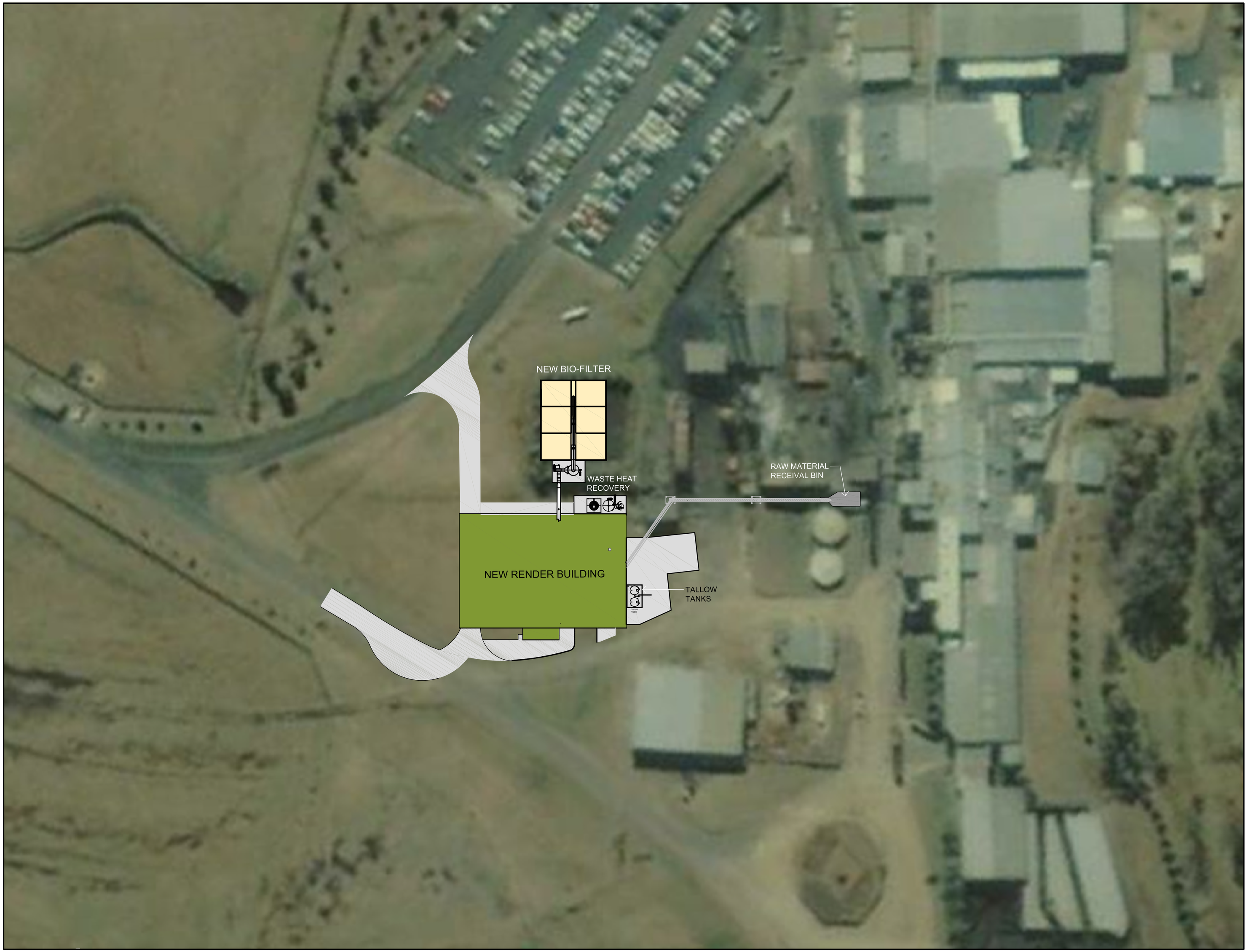
PROJECT : RENDER PLANT

DRAWING : SITE PLAN

MEATENG

MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6888, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:200	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA02	REVISION D	



SITE LAYOUT 1:500

A1 SHEET 1:100	0 1000 2000	1:100
A3 SHEET 1:200		
A1 SHEET 1:50	0 500 1000	1:50
A3 SHEET 1:100		
A1 SHEET 1:25	0 250 500	1:25
A3 SHEET 1:50		
B1 SHEET 1:10	0 100 200	1:10
A3 SHEET 1:20		

DRAWING INDEX

DA01 SITE AERIAL VIEW
DA02 SITE PLAN
DA03 BUILDING FLOOR PLAN
DA04 BUILDING ROOF PLAN
DA05 BUILDING ELEVATIONS
DA06 BUILDING SECTIONS
DA07 FIRE SERVICES PLAN
DA08 LOCALITY PLAN
DA09 CUT & FILL LAYOUT
DA10 STORMWATER & DRAINAGE CONCEPT PLAN
DA11 EROSION & SEDIMENT CONTROL PLAN
DA12 ROADS AND TURNING CIRCLES
DA13 PERSPECTIVE VIEWS
DA14 STORMWATER DRAINAGE CONCEPT PLAN
DA15 FIRE SERVICES CONCEPT PLAN
DA16 STORMWATER & DRAINAGE DETAILS -1
DA17 STORMWATER & DRAINAGE DETAILS -2

DATE	REV.	AMENDMENT	DRAWN
24.03.14	D	FINAL ISSUE	W.K.
21.03.14	C	ISSUE	W.K.
14.02.14	B	REVISED DRAWINGS	A.S.
20.12.13	A	DRAWING ORIGINAL ISSUE	A.S.

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CLIENT :
BINDAREE BEEF PTY LTD

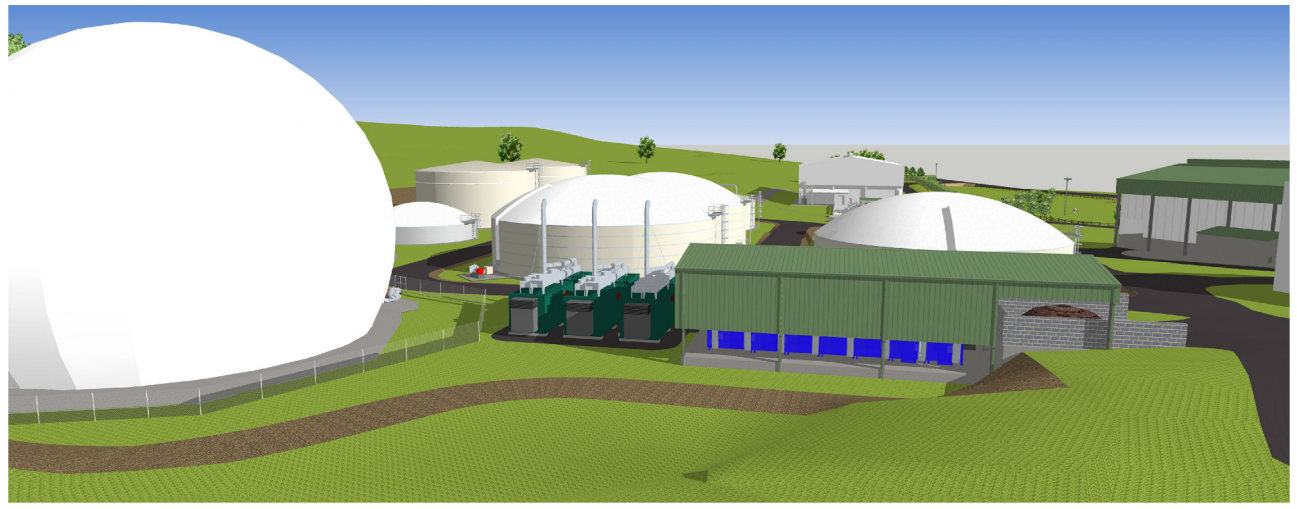
PROJECT : RENDER PLANT

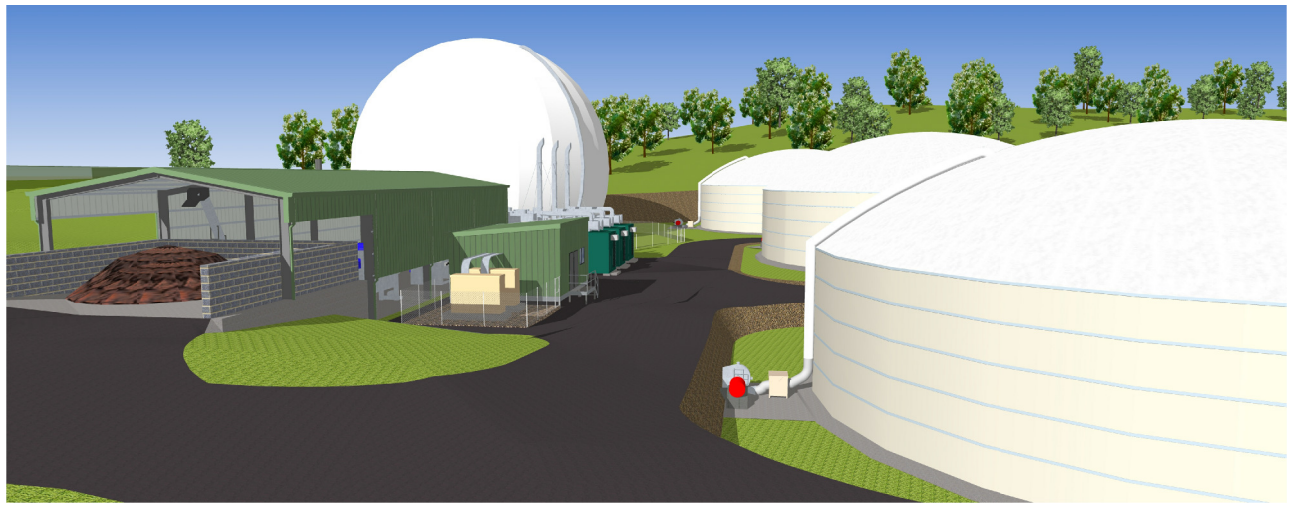
DRAWING : SITE AERIAL VIEW

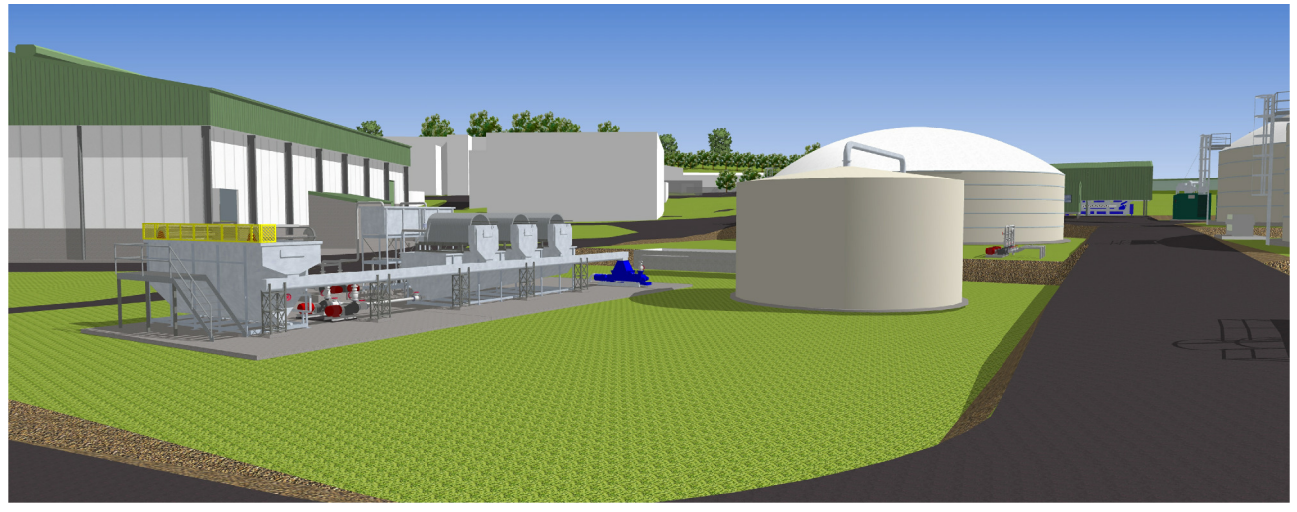
MEATENG

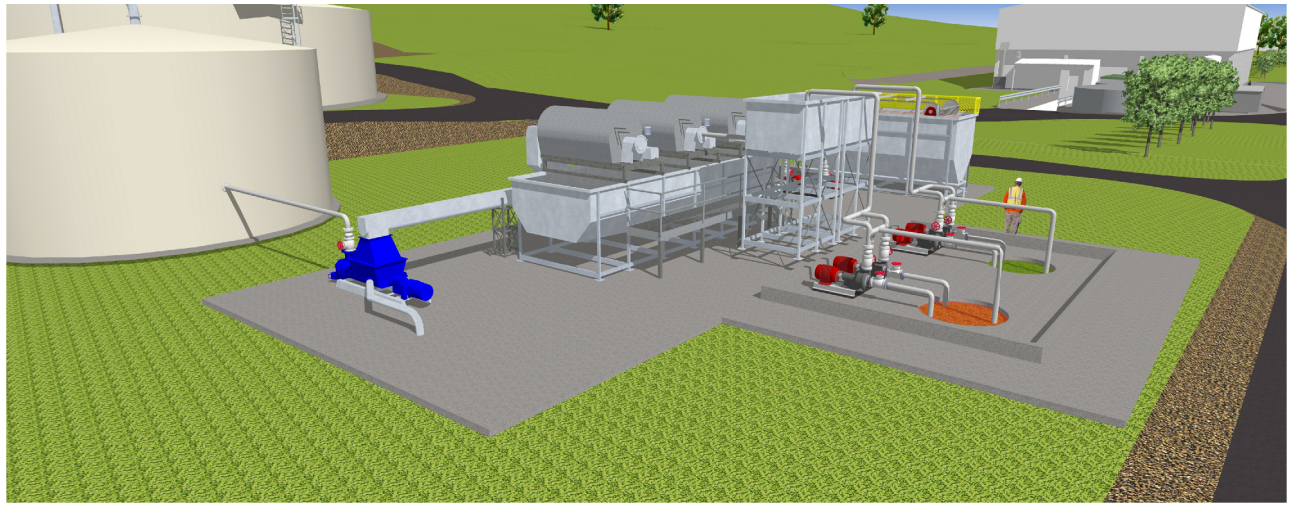
MEATENG PTY.LTD A.B.N. 41 286 569 547
653 RIVERDALE ROAD, CAMBERWELL,
VICTORIA, AUSTRALIA, 3124
PHONE : (03) 9836 6688, email: info@meateng.com.au

DRAWN: J.B.	SCALE: 1:500	SHEET SIZE: A1	
CHECKED: P.T.	DATE: NOV' 2013		
JOB No: 312-016	DRG No: DA01	REVISION D	









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A	210314	INITIAL ISSUE	AS	JC

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ENERGY-WATER-NUTRIENT-CARBON

CLIENT
BINDAREE BEEF

PROJECT
BIO DIGESTER

TITLE
PERSPECTIVE VIEWS

DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
A.S.	J.C.	20.02.14	-	09

DRAWING NUMBER	REV
A04 - 001	A

LEGEND

- EXISTING WATER COURSE
- SEDIMENT FENCE
- OPEN TRAPEZOIDAL DRAIN
- PROPOSED ROCK CHECK DAM
- DRAINAGE CULVERT AND END WALLS
- STRAW BALE SEDIMENT FILTER
- DROP STRUCTURE
- ROCK BAFFLE

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

REV	DATE	DESCRIPTION	BY	CHK
C	270314	FINAL ISSUE	WK	JC
B	210314	ISSUE	WK	JC
A	170314	INITIAL ISSUE	WK	JC

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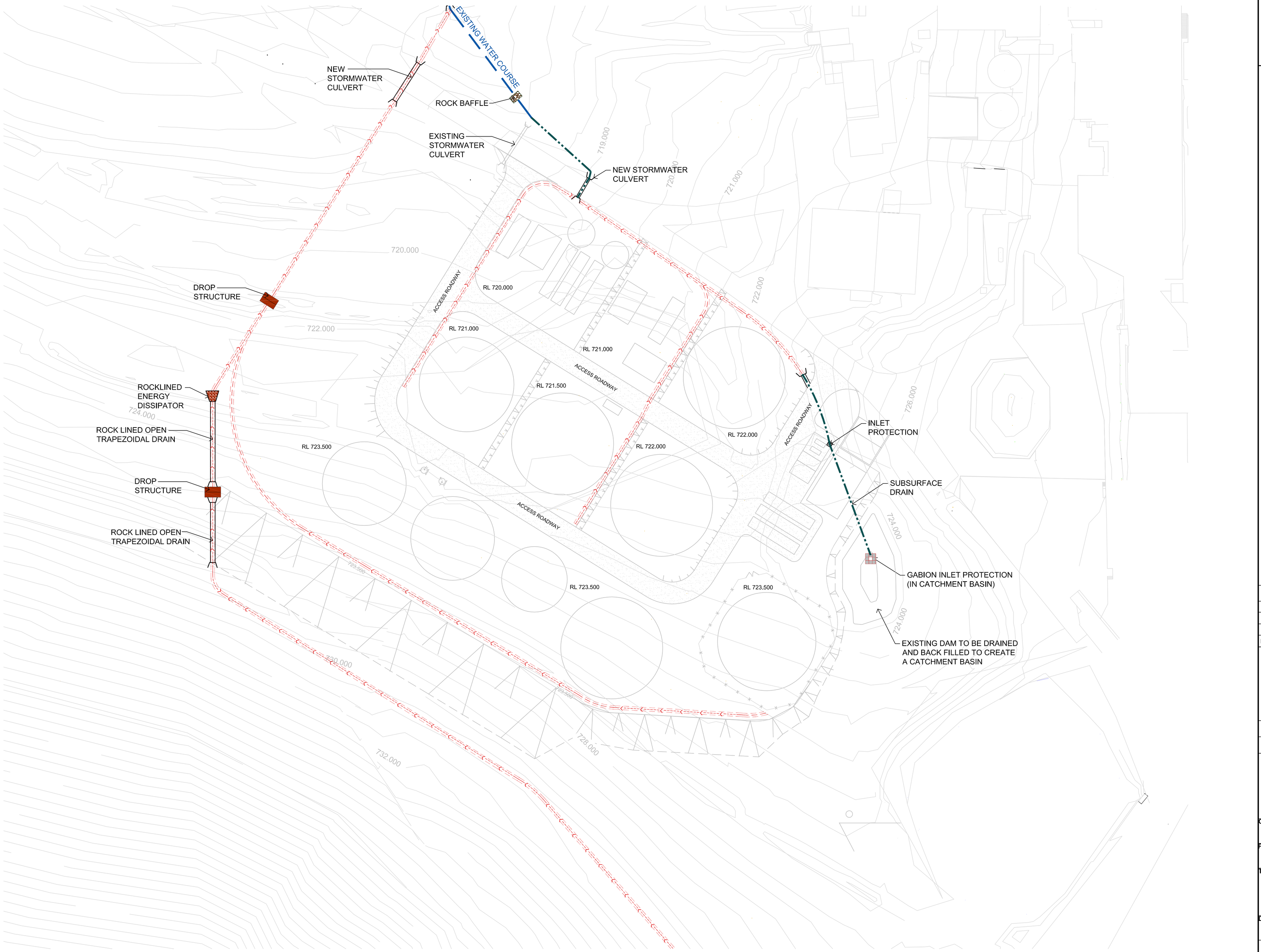
PROJECT
BIO DIGESTER

TITLE
EROSION & SEDIMENT CONTROL PLAN

DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
W.K.	-	17.03.14	-	08

DRAWING NUMBER: A04 - 001
REV: C



LEGEND

- EXISTING WATER COURSE
- PROPOSED WATER COURSE
- OPEN TRAPEZOIDAL DRAIN
- DRAINAGE CULVERT AND END WALLS
- ROOF RAINWATER SYSTEM
- DROP STRUCTURE
- ROCK BAFFLE

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

REV	DATE	DESCRIPTION	BY	CHK
C	270314	FINAL ISSUE	WK	JC
B	210314	ISSUE	WK	JC
A	170314	INITIAL ISSUE	WK	JC

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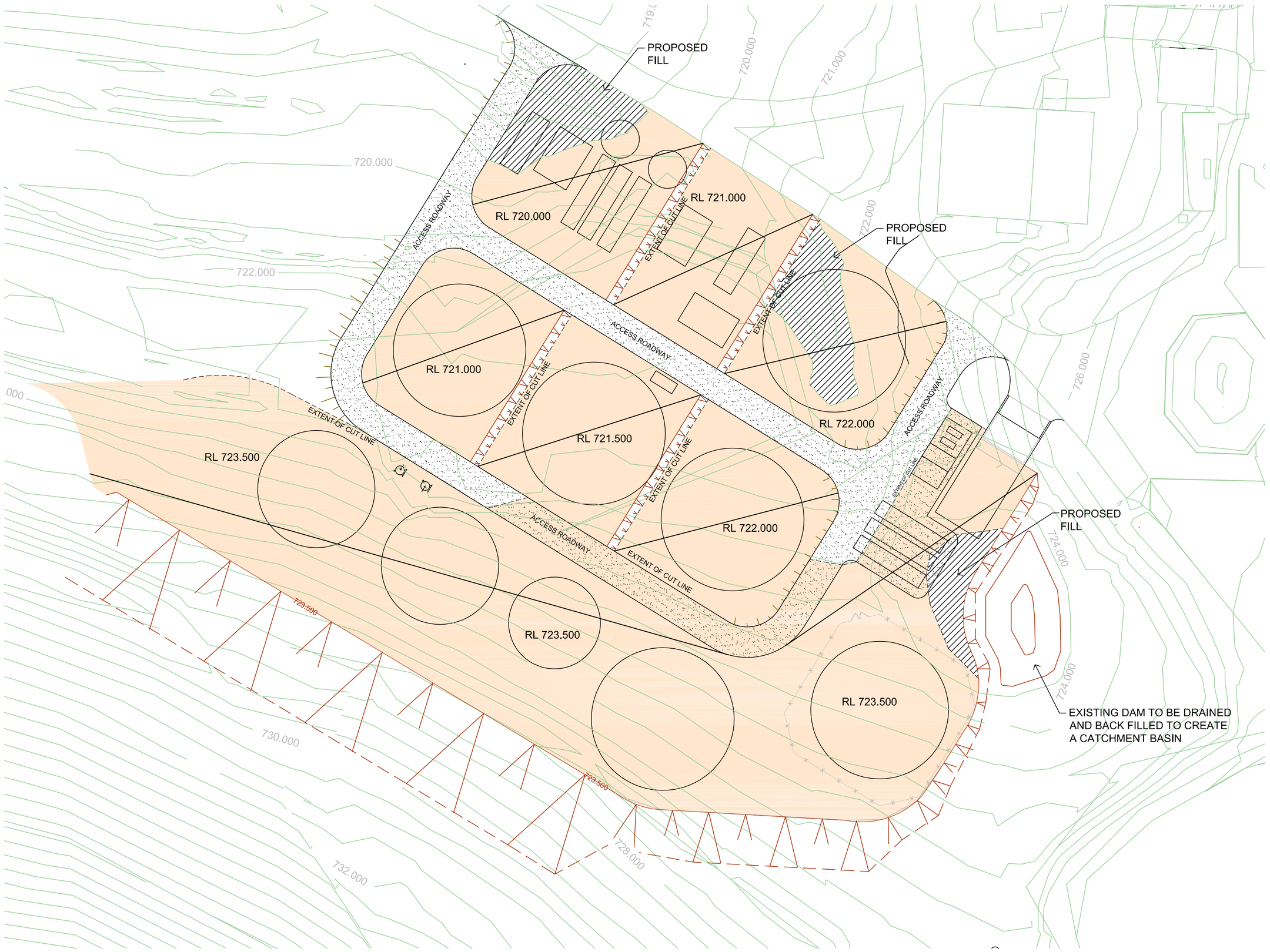
PROJECT
BIO DIGESTER

TITLE
STORMWATER & DRAINAGE CONCEPT PLAN

DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
W.K.	-	17.03.14	-	07

DRAWING NUMBER: A04 - 001
REV: C



0 10 20 30 40 50m
SCALE

LEGEND

- ACCESS ROADWAY
- PROPOSED FILL
- BATTER
- GRADE CUT LINE
- EMBANKMENT

CONTOURS AT 500mm INTERVALS AS PER SURVEYORS DRAWINGS

REV	DATE	DESCRIPTION	BY	CHK
C	250314	FINAL ISSUE	WK	JC
B	210314	ISSUE	WK	JC
A	200214	INITIAL ISSUE	AS	JC

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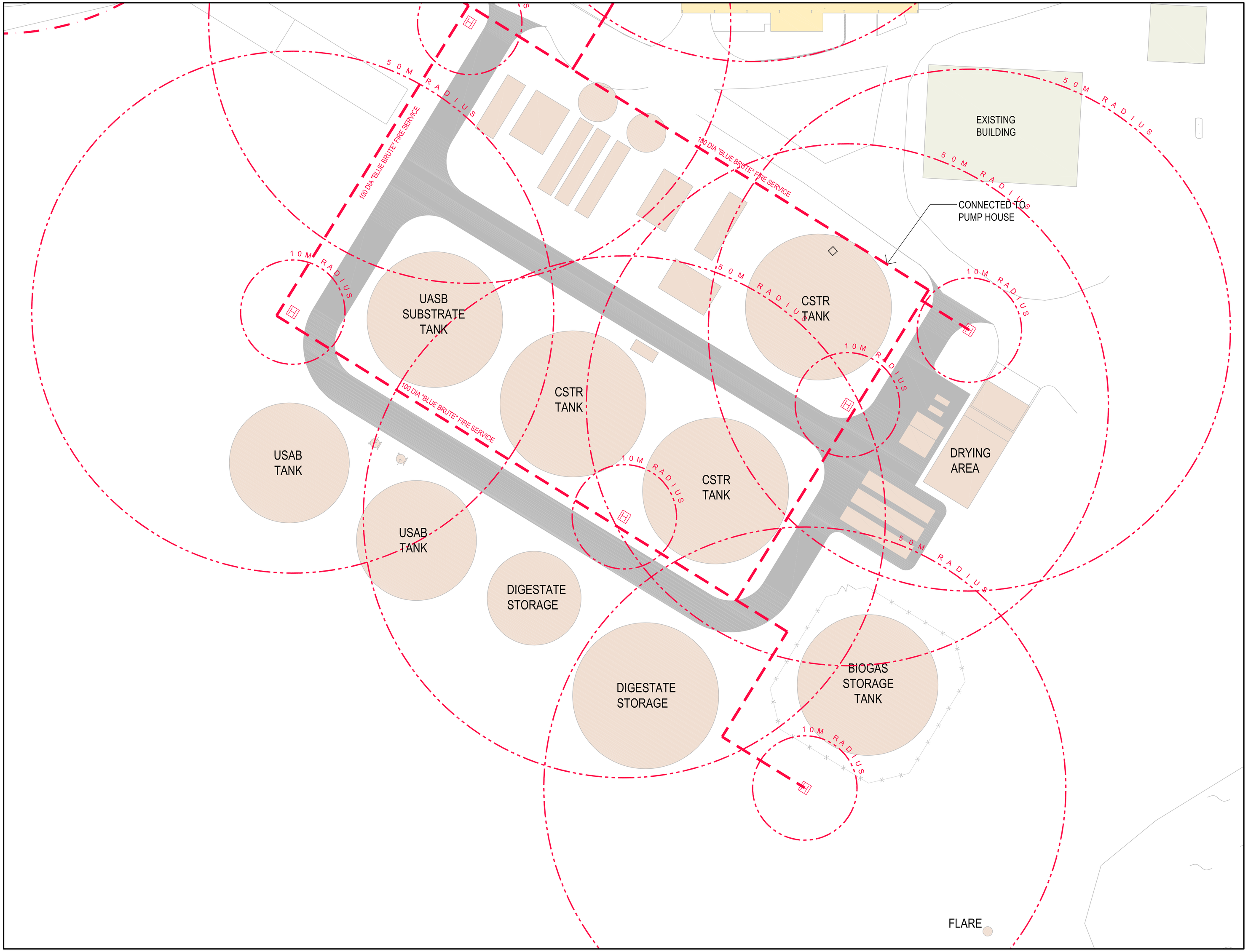
PROJECT
BIO DIGESTER

TITLE
GRADING CUT AND FILL PLAN

DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
A.S.	J.C.	20.02.14	-	06

DRAWING NUMBER	REV
A04 - 001	C



FIRE HYDRANT LOCATION DRAWN IN CONJUNCTION WITH CLARENCE CONSULTANTS

LEGEND:

- H — FIRE HYDRANT, LOCATION AND INSTALLATION TO COMPLY WITH AS. 2419.1
- 10M RADIUS
- 50M RADIUS
- WATER MAIN 100mm Ø "BLUE BRUTE" FIRE SERVICE BRANCH

REV	DATE	DESCRIPTION	BY	CHK
C	240314	FINAL ISSUE	AS	JC
B	210314	ISSUE	WK	JC
A	110314	INITIAL ISSUE	WK	JC

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PROJECT
BIO DIGESTER

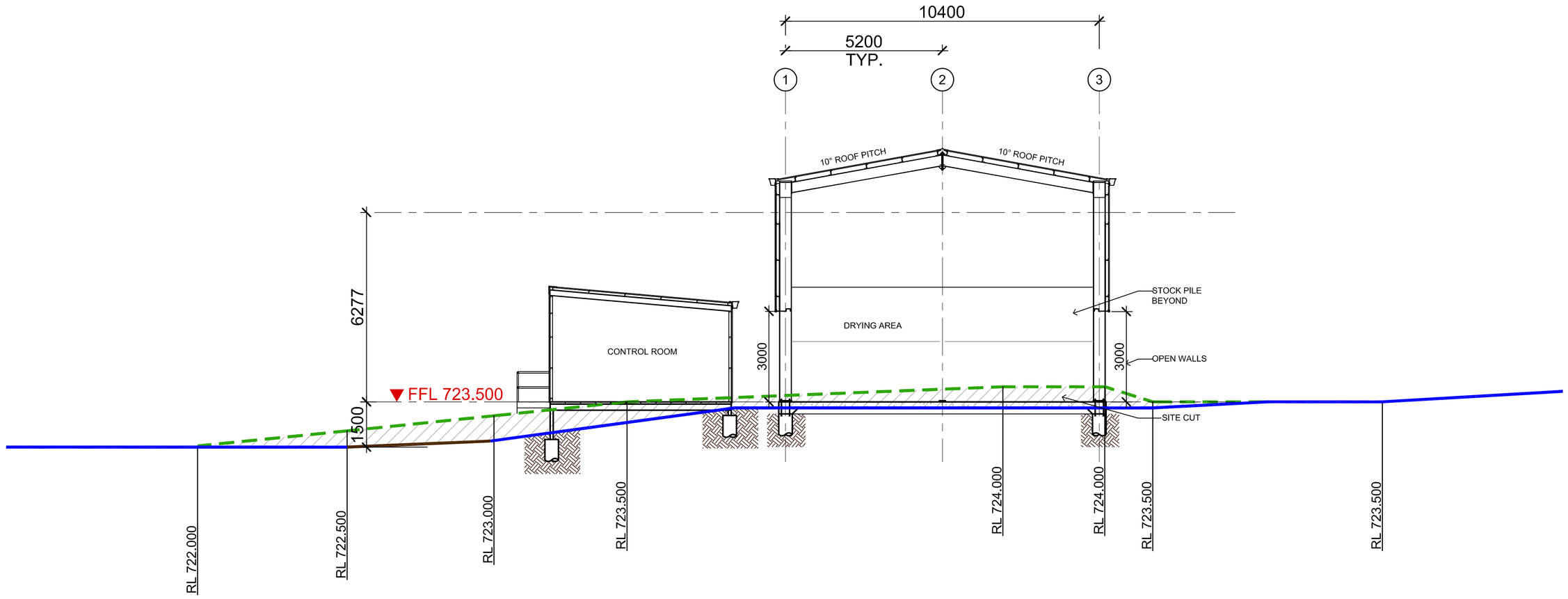
TITLE
FIRE SERVICES CONCEPT PLAN

DRAWING STATUS

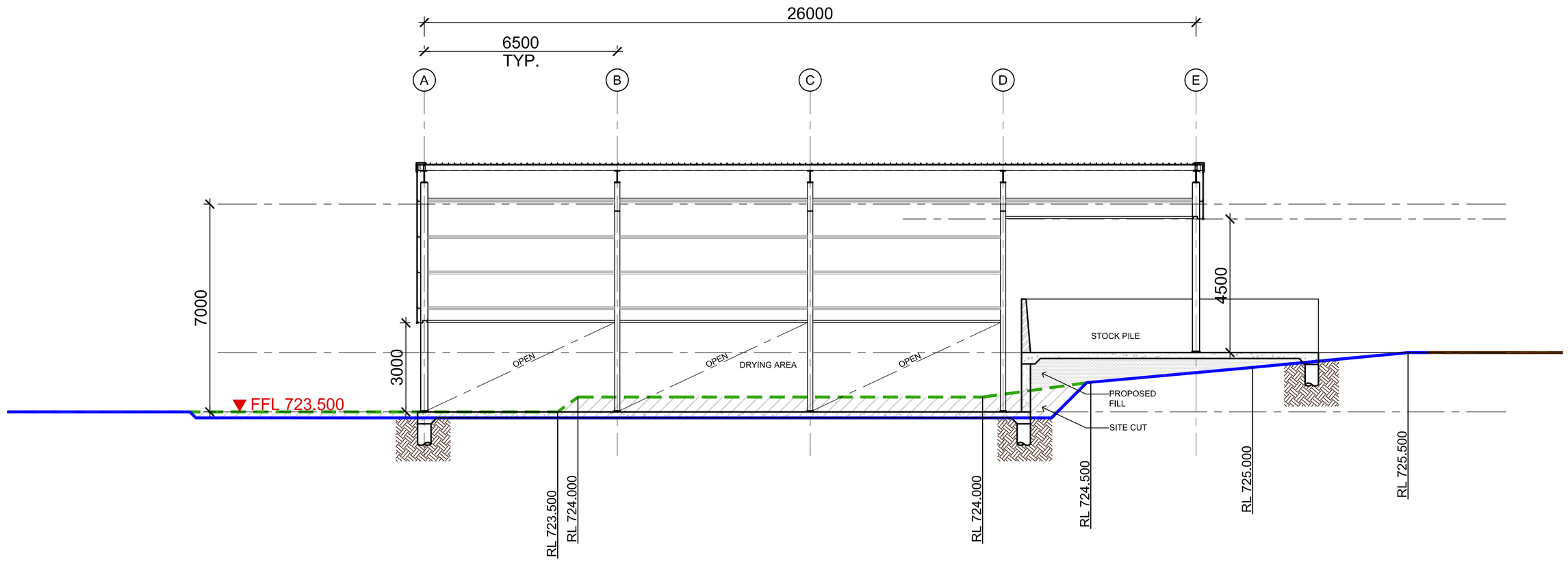
DRAWN	CHECK	DATE	SCALE	SHEET
W.K.	J.C.	11.03.14	-	05

DRAWING NUMBER: A04 - 001

REV: C



B 03 DIGESTATE DRYING AREA SECTION BB



A 03 DIGESTATE DRYING AREA SECTION AA

0 2 4 6 8 10m
SCALE

REV	DATE	DESCRIPTION	BY	CHK
C	240314	FINAL ISSUE	WK	JC
B	210314	ISSUE	WK	JC
A	040314	INITIAL ISSUE	AS	JC

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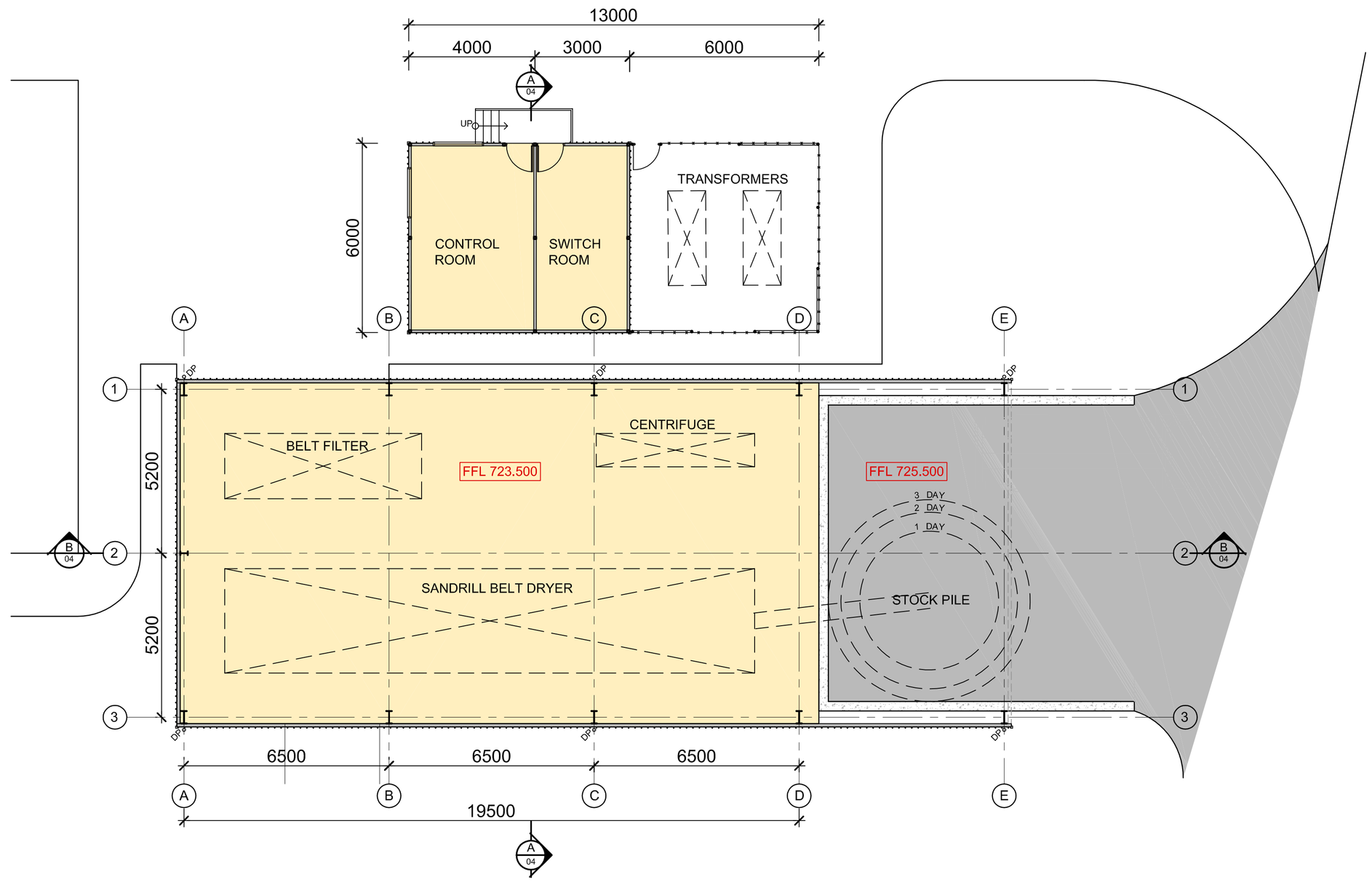
BIO DIGESTER

TITLE
DIGESTATE DRYING AREA SECTIONS

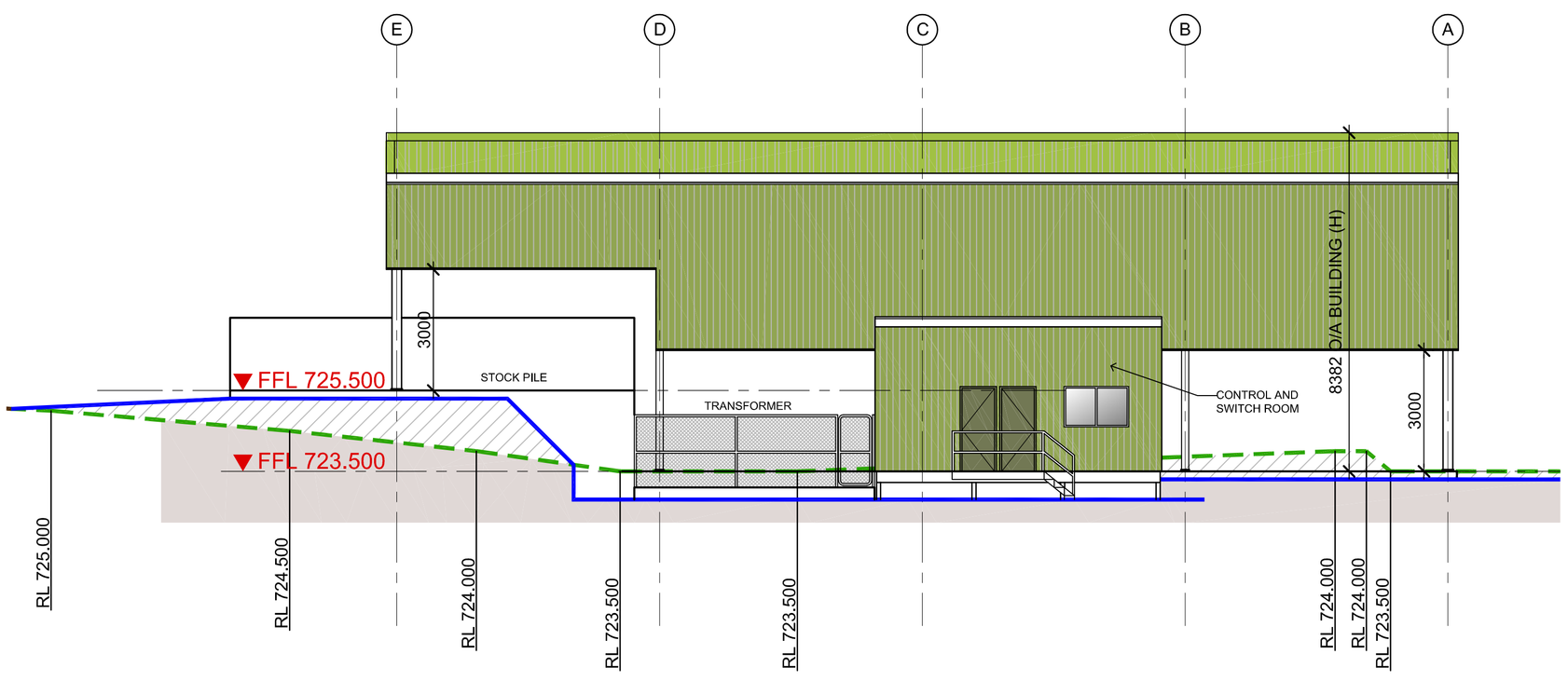
DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
A.S.	J.C.	20.02.14	-	04

DRAWING NUMBER **A04 - 001** REV **C**



DIGESTATE DRYING AREA FLOOR PLAN



DIGESTATE DRYING AREA NORTH ELEVATION

DIGESTATE DRYING AREA WEST ELEVATION

0 2 4 6 8 10m
SCALE

REV	DATE	DESCRIPTION	BY	CHK
C	240314	FINAL ISSUE	WK	JC
B	210314	ISSUE	WK	JC
A	040314	INITIAL ISSUE	AS	JC

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CLIENT
BINDAREE BEEF

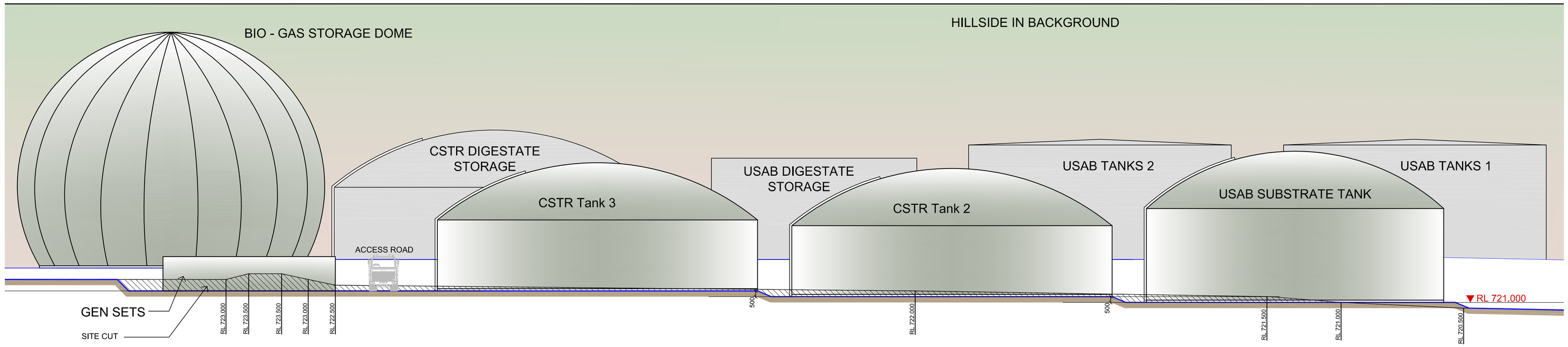
PROJECT
BIO DIGESTER

TITLE
DIGESTATE DRYING AREA FLOOR PLAN & ELEVATIONS

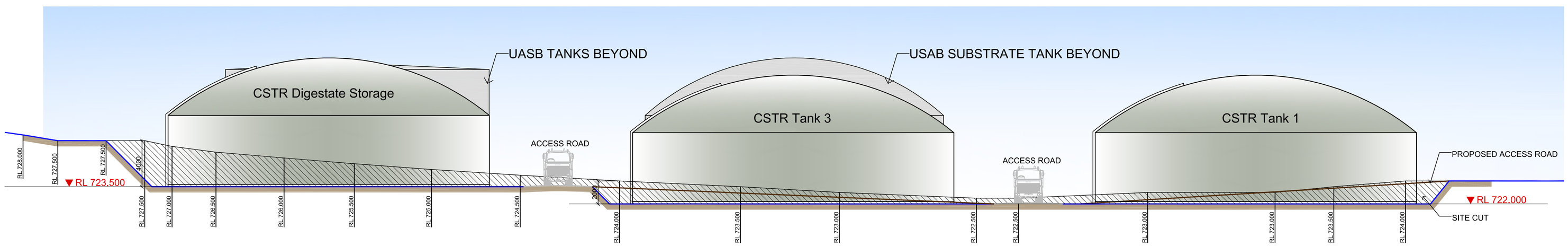
DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
A.S.	J.C.	20.02.14	-	03

DRAWING NUMBER: A04 - 001
REV: C



A 01 SECTION AA



B 01 SECTION BB

0 4m 8m 12m 16m 20m
SCALE

REV	DATE	DESCRIPTION	BY	CHK
C	2403214	FINAL ISSUE	AS	JC
B	2103214	ISSUE	WK	JC
A	200214	INITIAL ISSUE	AS	JC

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UTILITAS
ENERGY-WATER-NUTRIENT-CARBON

CLIENT
BINDAREE BEEF

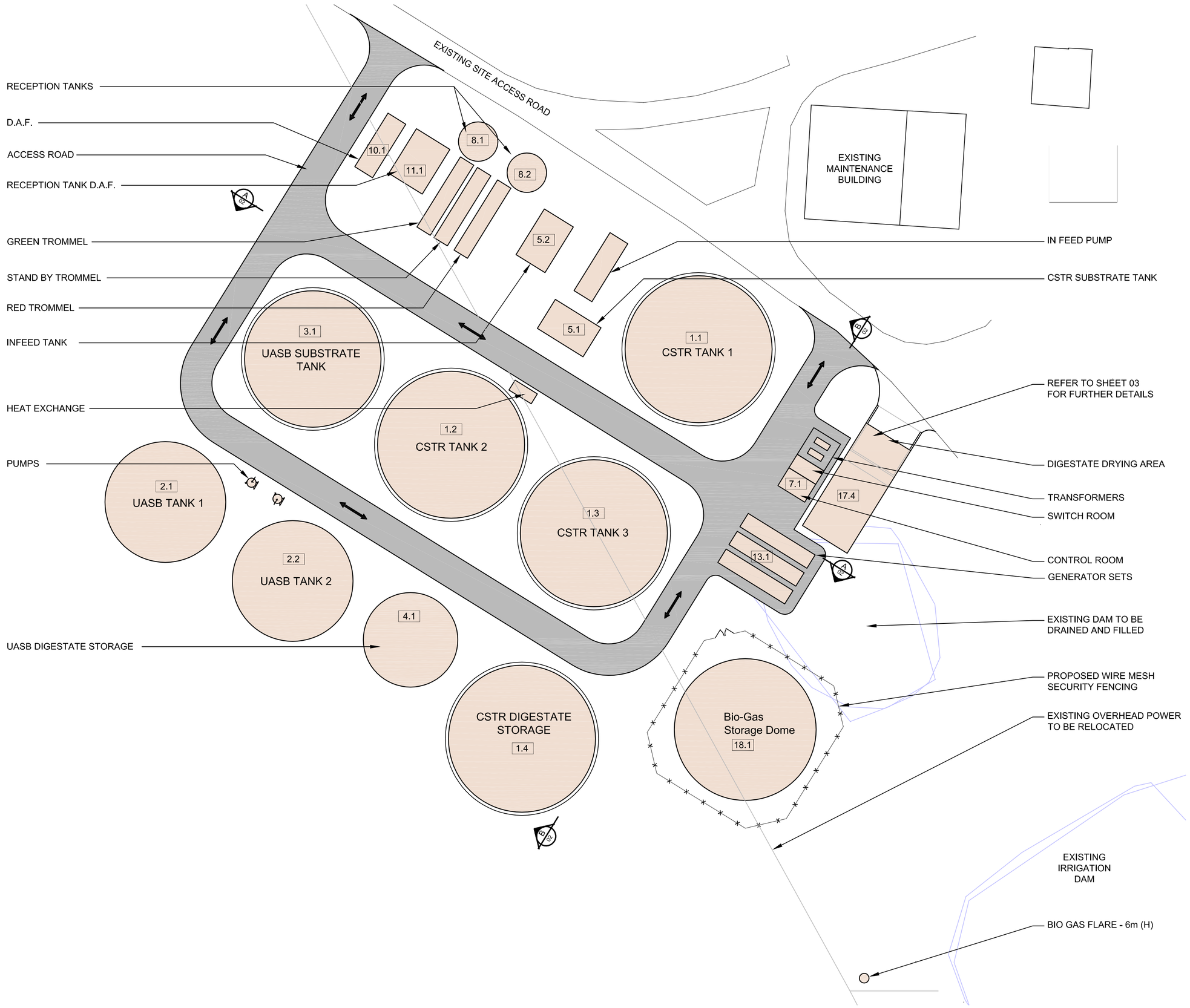
PROJECT
BIO DIGESTER

TITLE
SECTIONS AA-BB

DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
A.S.	J.C.	20.02.14	-	02

DRAWING NUMBER: A04 - 001
REV: C



No	Item	Dimensions	Volume m3
1.1	CSTR Tank 1	Ø28m X 11m(H) o/a	6693
1.2	CSTR Tank 2	Ø28m X 11m(H) o/a	6693
1.3	CSTR Tank 3	Ø28m X 11m(H) o/a	6693
1.4	CSTR Digestate Storage	Ø28m X 11m(H) o/a	6693
2.1	UASB Tank 1	Ø23m X 10m(H) o/a	4153
2.2	UASB Tank 2	Ø23m X 10m(H) o/a	4153
3.1	UASB Substrate Tank	Ø26m X 8m(H) o/a	4245
4.1	UASB Digestate Storage	Ø18m X 6m(H) o/a	1526
5.1	CSTR Substrate Tank	7.5m X 10m X 5m	375
6.1	Pumps	N/A	
7.1	Control Room	7m X 6m	
8.1	Reception Tank (Green)	7.5m X 10m X 5m(H)	375
8.2	Reception Tank (Red)	7.5m X 10m X 5m(H)	375
9.1	Green Trommel	To be sized	
9.2	Red Trommel	To be sized	
9.3	Standby Trommel	To be sized	
10.1	DAF	To be sized	
11.1	Reception Tank DAF	To be sized	
12.1	In Feed Pump	1m X 1m X 2m(H)	
13.1	Generator Sets	15m X 3m X 3m(H)	
16.2	Heat Exchange	To be sized	
17.4	Digestate Drying Area	11m X 26m	
18.1	Bio-Gas Storage Dome	Ø27m X 20m(H) o/a	9000

DRAWING INDEX -

01 SITE PLAN
02 SECTIONS AA & BB
03 DIGESTATE DRYING AREA FLOOR PLAN & ELEVATIONS
04 DIGESTATE DRYING AREA SECTIONS
05 FIRE SERVICES CONCEPT PLAN
06 GRADING, CUT & FILL PLAN
07 STORMWATER & DRAINAGE CONCEPT PLAN
08 EROSION & SEDIMENT CONTROL PLAN
09 PERSPECTIVE VIEWS

REV	DATE	DESCRIPTION	BY	CHK
C	240314	FINAL ISSUE	WK	JC
B	210314	ISSUE	WK	JC
A	200214	INITIAL ISSUE	AS	JC

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UTILITAS
ENERGY-WATER-NUTRIENT-CARBON

CLIENT
BINDAREE BEEF

PROJECT
BIO DIGESTER

TITLE
SITE PLAN

DRAWING STATUS

DRAWN	CHECK	DATE	SCALE	SHEET
A.S.	J.C.	20.02.14	-	01

DRAWING NUMBER: **A04 - 001**
REV: **C**