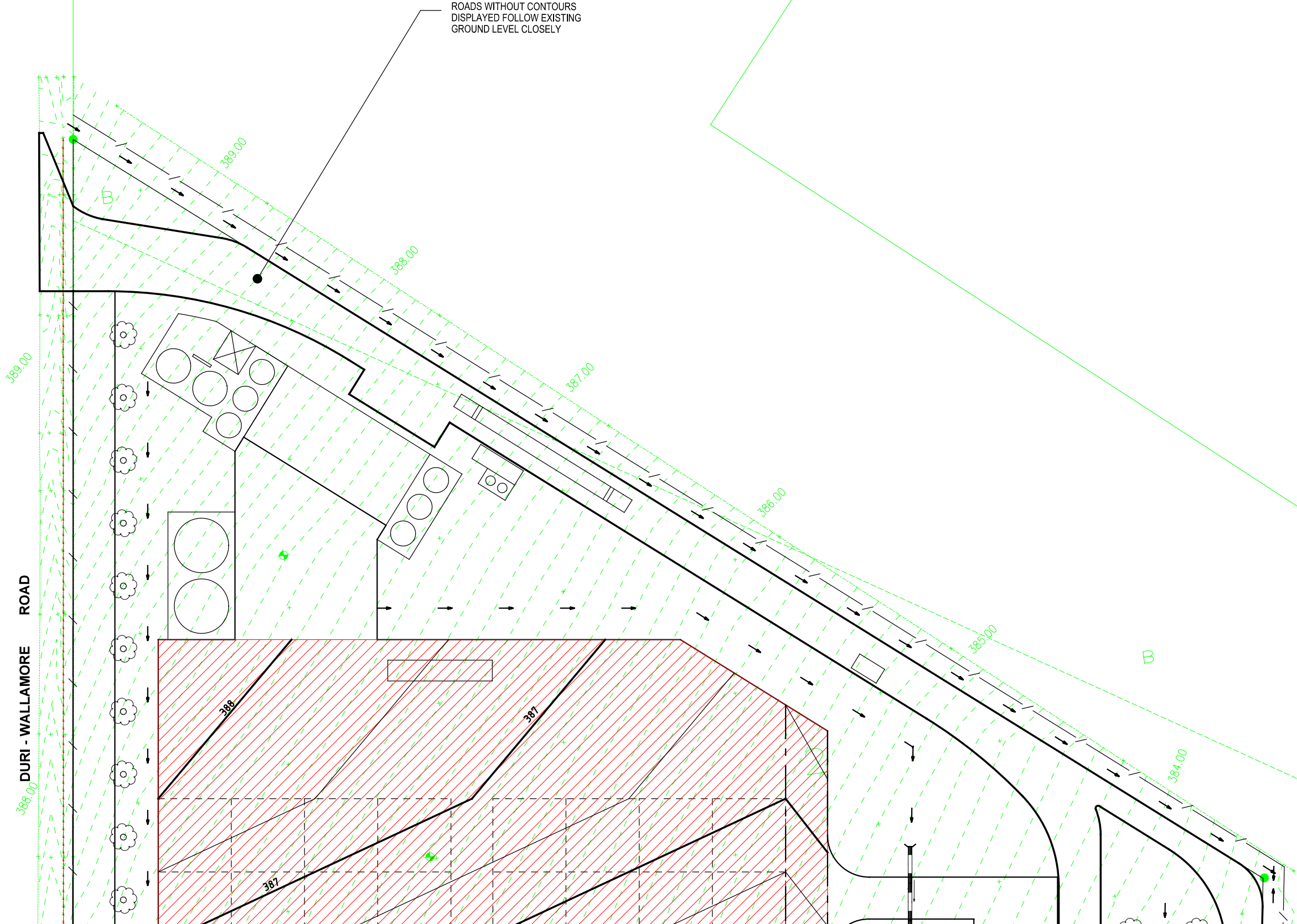


WARNING  
BEWARE OF UNDERGROUND SERVICES  
The locations of underground services shown are approximate only and their exact position should be proven on site.



ROADS WITHOUT CONTOURS  
DISPLAYED FOLLOW EXISTING  
GROUND LEVEL CLOSELY



DRAWING REVISION HISTORY				
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED

APPROVED
ORIGINAL COPY ON FILE "e" SIGNED BY
SIGNED
DATE

SCALE 1:1000
0 10 20
SHEET SIZE A3

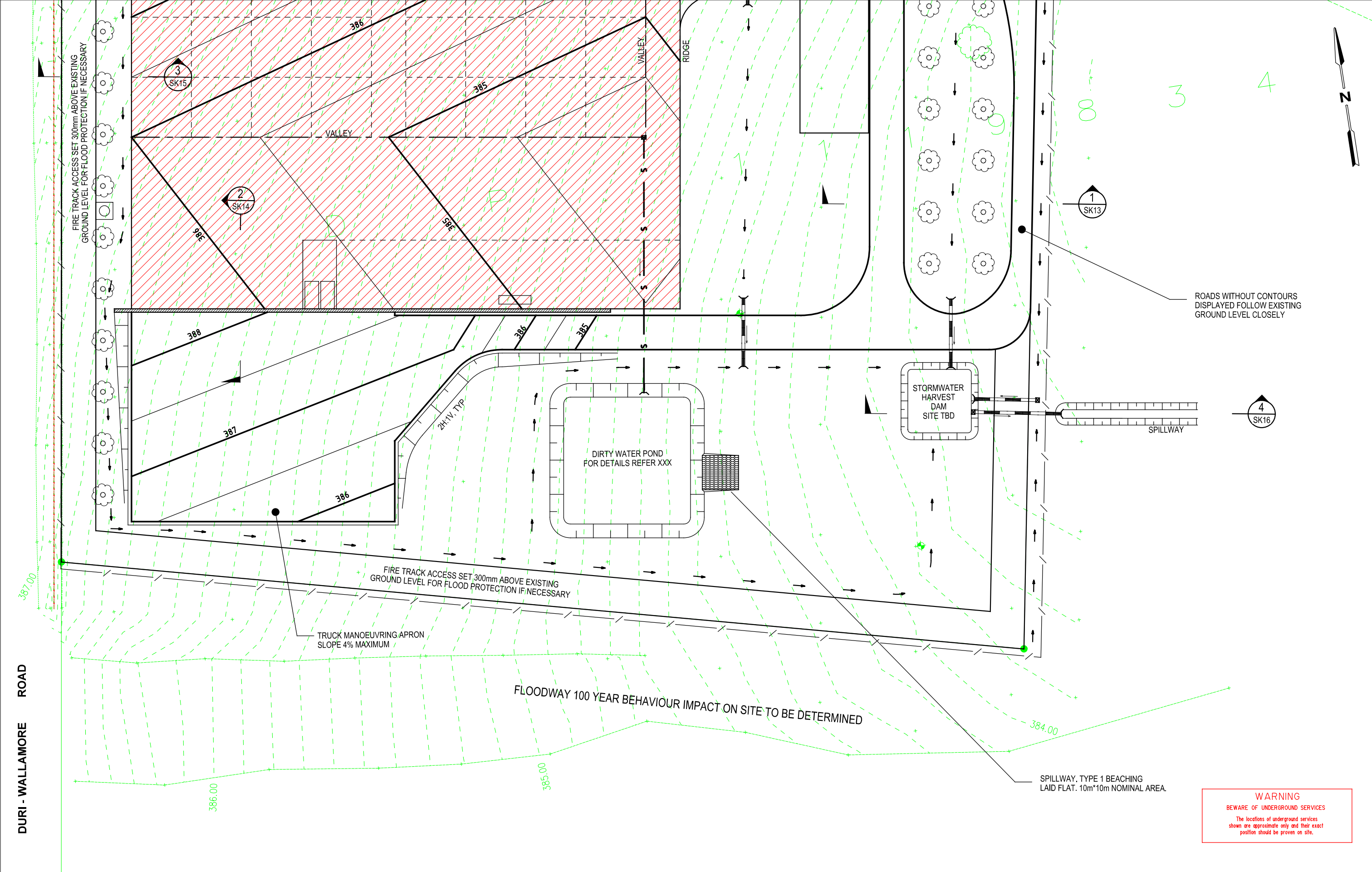


MELBOURNE OFFICE  
HWTT Tower 40 City Road  
Southbank  
Victoria 3006  
Ph. (03) 9682 5290  
Fax. (03) 9682 5292  
www.pittsherry.com.au  
ABN 67 140 184 309

© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY.  
THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN  
ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION.  
UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.

CLIENT	TAMWORTH REGIONAL COUNCIL
PROJECT	ORGANIC RECYCLING FACILITY
STATUS	PRELIMINARY DESIGN

DRAWING TITLE		CONCEPT GRADING PLAN SHEET 1	
DATUMS:		CLIENT No.	
DRAWING No.	ML16180-SKC011	REVISION	B



DRAWING REVISION HISTORY					APPROVED	SCALE 1:1000	SHEET SIZE A3	CLIENT TAMWORTH REGIONAL COUNCIL PROJECT ORGANIC RECYCLING FACILITY STATUS PRELIMINARY DESIGN	DRAWING TITLE CONCEPT GRADING PLAN SHEET 2		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED					DATUMS:	CLIENT No.	
					ORIGINAL COPY ON FILE "e" SIGNED BY						
					SIGNED				DRAWING No.	ML16180-SKC012	REVISION C
					DATE						



MELBOURNE OFFICE  
HWIT Tower 40 City Road  
Southbank  
Victoria 3006

Ph. (03) 9682 5290  
Fax. (03) 9682 5292  
www.pittsherry.com.au  
ABN 67 140 184 309

© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.




- PAVEMENT AS SPECIFIED AT EXISTING GROUND LEVEL

- PAVEMENT AS SPECIFIED AT EXISTING GROUND LEVEL.

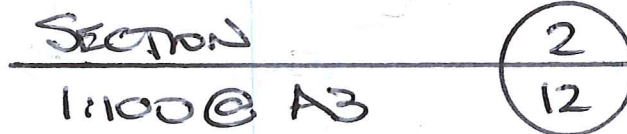
SECTION  
1:200 @ A3

## CONCEPT SPECTRONS 1


ML16180 SKC13 -A

DRAWING REVISION HISTORY						SHEET SIZE A3	 <div>MELBOURNE OFFICE HWT Tower 40 City Road Southbank Victoria 3006 Ph. (03) 9682 5290 Ph. (03) 9682 5292 Fax. (03) 9682 5292 www.pittsh.com.au ABN 67 140 184 309</div>	CLIENT	TAMWORTH REGIONAL COUNCIL	DRAWING TITLE		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE			APPROVED	PROJECT	ORGANIC RECYCLING FACILITY	DATUMS:	CLIENT No.
						ORIGINAL COPY ON FILE *e* SIGNED BY						
						SIGNED						
						DATE						
							</					

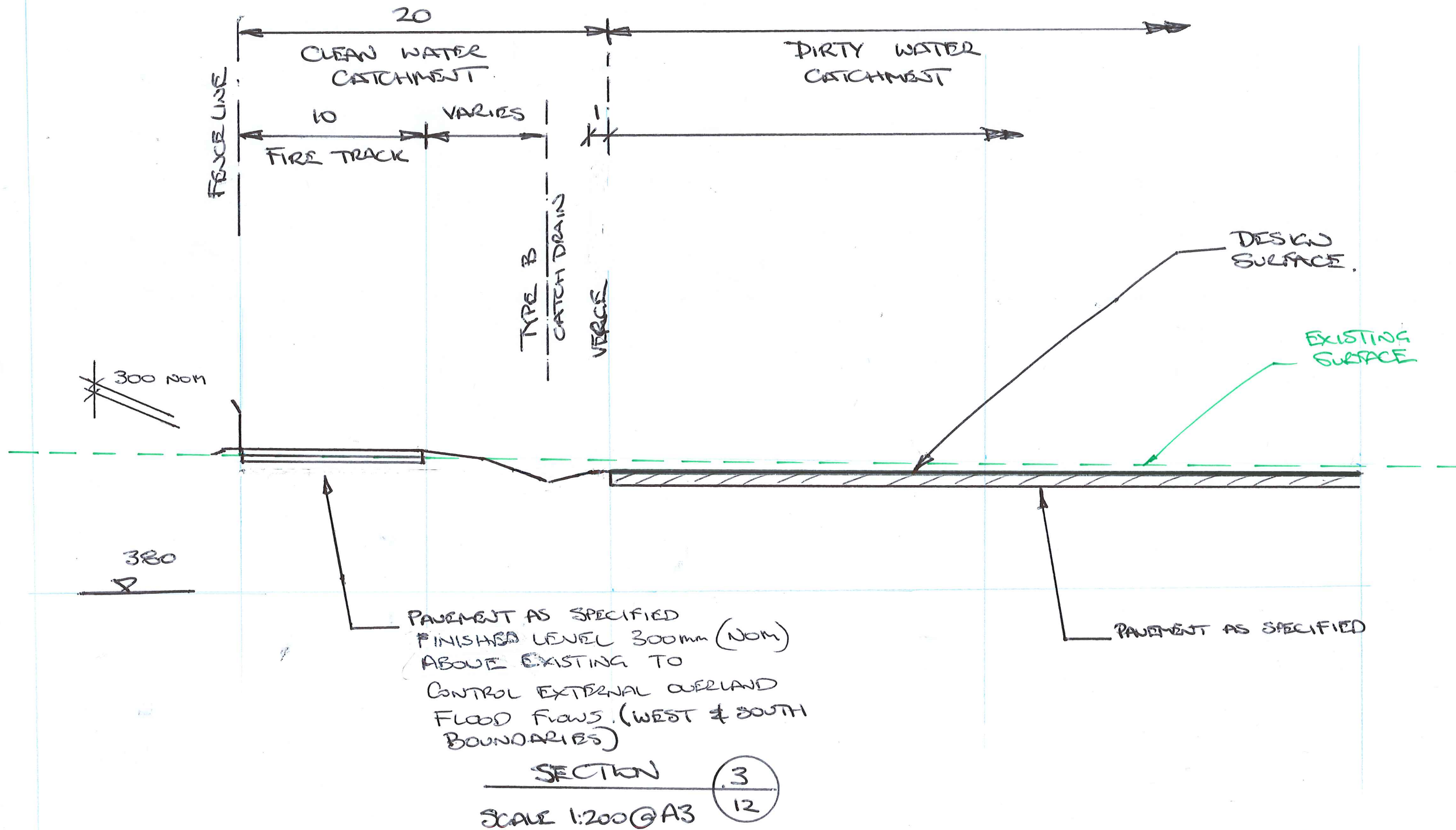




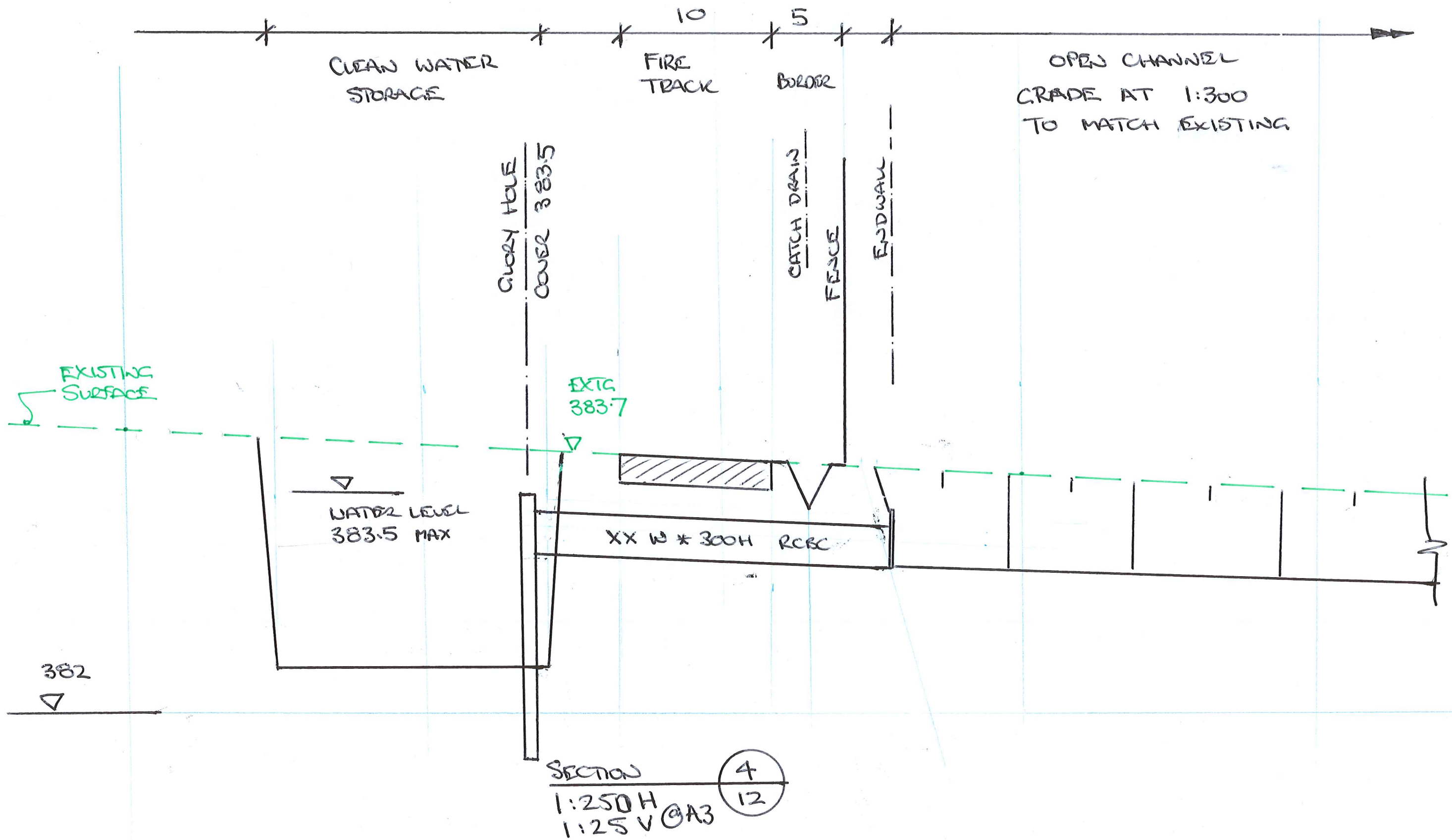
ML 16180 - SKC14 - A

DRAWING REVISION HISTORY						SHEET SIZE A3		 <div>MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.pittsh.com.au Victoria 3006 ABN 67 140 184 309</div> <div>© 2010 PITT &amp; SHERRY. THIS DOCUMENT REMAINS THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSES FOR WHICH IT WAS COMMISSIONED AND IN ALL BE FORWARDED WITHIN THE TERMS IT IS ENGAGED ON. THE USE OF THIS DOCUMENT FOR UNAUTHORISED USE OF THIS DOCUMENT IS PROHIBITED.</div>		CLIENT TAMWORTH REGIONAL COUNCIL		DRAWING TITLE	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE					PROJECT ORGANIC RECYCLING FACILITY	DATUMS:	CLIENT No.	
						APPROVED ORIGINAL COPY ON FILE "a" SIGNED BY							
						SIGNED			STATUS	PRELIMINARY DESIGN			
						DATE							
								</					





CONCEPT SECTIONS 3  
ML16180 SEC15-A



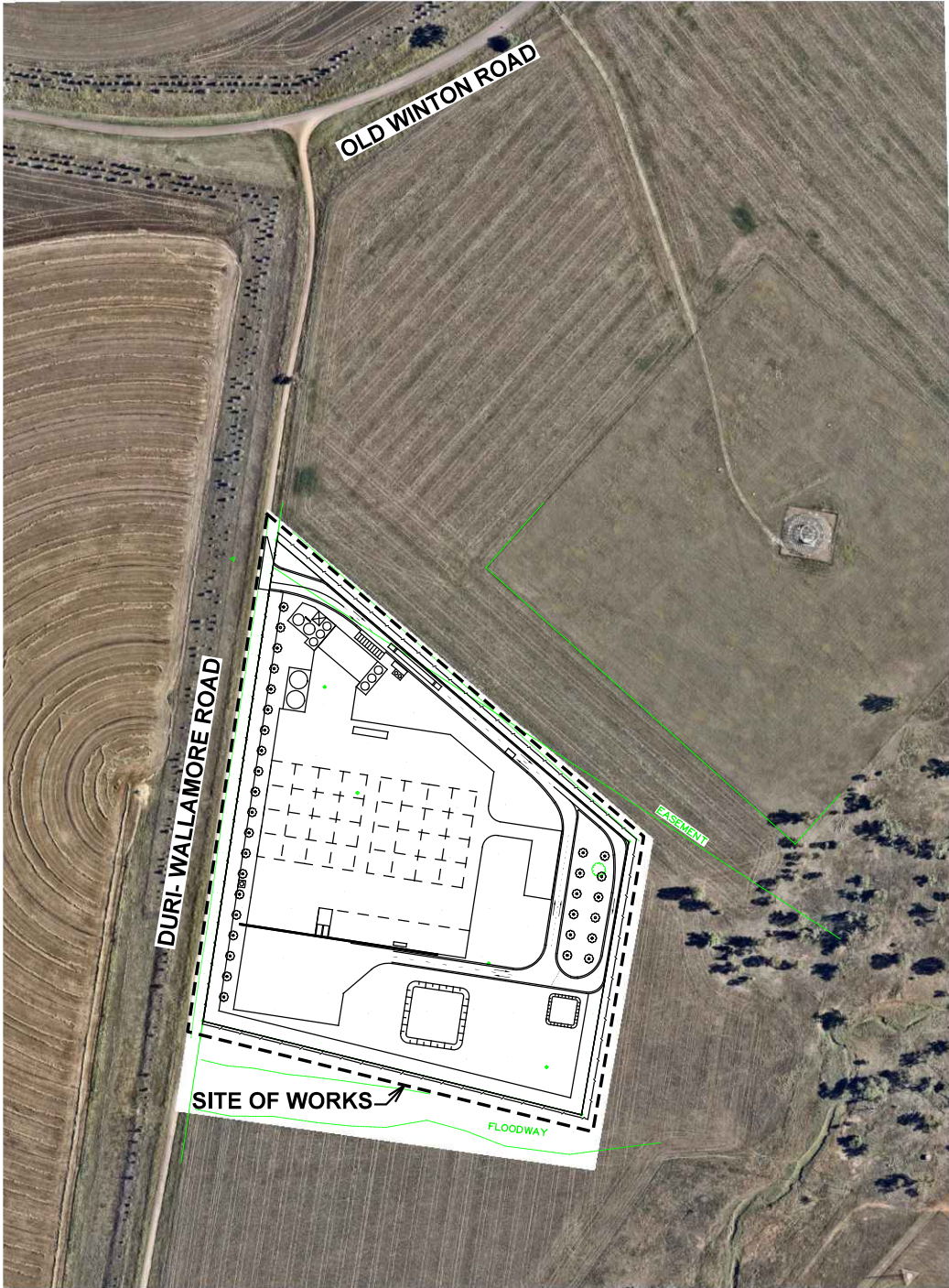
CONCEPT SECTIONS 4  
ML 16180 SKC 16-A




# TAMWORTH REGIONAL COUNCIL ORGANIC RECYCLING FACILITY

## DRAWING SCHEDULE

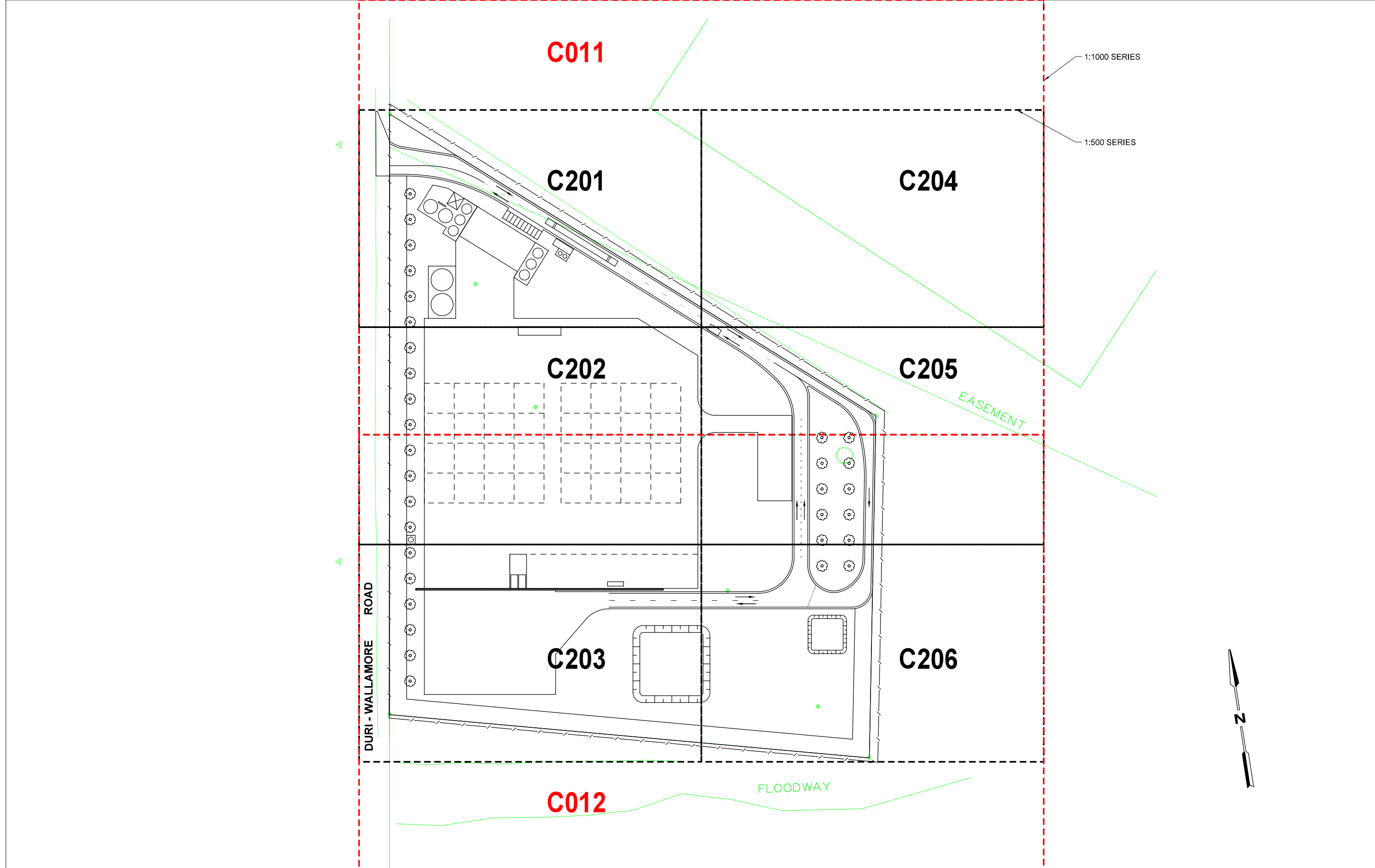
ML16026-C001	COVER SHEET & DRAWING SCHEDULE
ML16026-C002	COMPUTER FILES & DESIGN CRITERIA
ML16026-C003	KEY PLAN
ML16026-C004	SYMBOLS & GENERAL NOTES
ML16026-C011	OPERATIONS PLAN - SHEET 1
ML16026-C012	OPERATIONS PLAN - SHEET 2
ML16026-C101	CROSS SECTIONS & DETAILS - SHEET 1
ML16026-C102	CROSS SECTIONS & DETAILS - SHEET 2
ML16026-C103	CROSS SECTIONS & DETAILS - SHEET 3
ML16026-C201	ALIGNMENT & DRAINAGE PLAN - SHEET 1
ML16026-C202	ALIGNMENT & DRAINAGE PLAN - SHEET 2
ML16026-C203	ALIGNMENT & DRAINAGE PLAN - SHEET 3
ML16026-C204	ALIGNMENT & DRAINAGE PLAN - SHEET 4
ML16026-C205	ALIGNMENT & DRAINAGE PLAN - SHEET 5
ML16026-C206	ALIGNMENT & DRAINAGE PLAN - SHEET 6
ML16026-C221	DETAIL PLAN - SHEET 1
ML16026-C222	DETAIL PLAN - SHEET 2
ML16026-C301	PAVEMENT PLAN
ML16026-C311	PAVEMENT COMPOSITIONS
ML16026-C321	CONCRETE JOINTING PLAN - SHEET 1
ML16026-C322	CONCRETE JOINTING PLAN - SHEET 2
ML16026-C323	CONCRETE JOINTING PLAN - SHEET 3
ML16026-C331	CONCRETE JOINT DETAILS - SHEET 4
ML16026-C501	SETOUT POINTS
ML16026-C601	DRAINAGE PIT SHEDULE
ML16026-C611	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1




DRAWING REVISION HISTORY					APPROVED	SCALE 1:5000	SHEET SIZE A3	 <small>MELBOURNE OFFICE HWIT Tower 40 City Road Southbank Victoria 3006 Ph. (03) 9682 5290 Fax. (03) 9682 5292 www.pittsherry.com.au ABN 67 140 184 309</small>	CLIENT	TAMWORTH REGIONAL COUNCIL	DRAWING TITLE	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED					PROJECT	ORGANIC RECYCLING FACILITY	COVER SHEET & DRAWING SCHEDULE	
					ORIGINAL COPY ON FILE "e" SIGNED BY						DATUMS:	CLIENT No.
											DRAWING No.	ML16180-C001
					SIGNED						REVISION	0
					DATE					PRELIMINARY DESIGN		














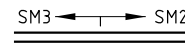
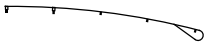

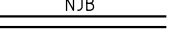

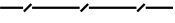
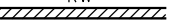



DRAWING REVISION HISTORY						APPROVED	SCALE 1:2000	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.pittsherry.com.au Victoria 3006 ABN 67 140 184 309 <small>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</small>	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE						KEY PLAN		
						ORIGINAL COPY ON FILE "e" SIGNED BY				PROJECT ORGANIC RECYCLING FACILITY	DATUMS:		
											CLIENT No.		
						SIGNED				STATUS PRELIMINARY DESIGN	DRAWING No. ML16180-C003		
											REVISION 0		
						DATE							






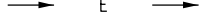

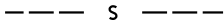
EXISTING SERVICES LEGEND

	EXISTING DRAINAGE PIT NUMBER
	EXISTING FIRE HYDRANT
	DRAIN
	SEWER
	WATER
	TELSTRA (UNDERGROUND)
	GAS
	ELECTRICITY (UNDERGROUND)
	ELECTRICITY (OVERHEAD)

GENERAL LEGEND

	KERB AND CHANNEL ( SD 2001 )
	BREAKAWAY CABLE TERMINAL (BCTA) REFER SD 3541 AND SD 3571
	BREAKAWAY CABLE TERMINAL (BCTB) REFER SD 3542
	CONCRETE BARRIER 700mm WIDTH REFER SD 3901D
	EXISTING SEALED PAVEMENT
	TYPE K FENCE REFER SD3131
	RETAINING WALL
	DIRTY WATER CATCHMENT

DRAINAGE LEGEND

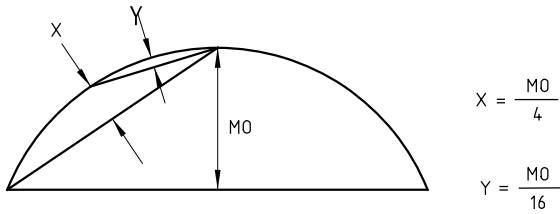
	DRAIN
	DRAINAGE PIT & PIT No.
	SUBSURFACE DRAINAGE PIT TYPE S1 REFER SD 1611A FOR DETAILS.
	FLUSHOUT RISER ( REFER SD 1631 )
	SUBSURFACE DRAIN
	CATCH DRAIN AT TOE OF BATTER (SD1531)
	GRASSED CATCH DRAIN - TYPE B (SD1531)
	SEWER

SURVEY SYMBOLS

REFER SURVEYORS DRAWINGS

NOTES: SETOUT

- ALL COORDINATES ARE TO AMG ZONE 55 AND REDUCED LEVELS ARE TO AHD.
- UNLESS NOTED OTHERWISE, SET OUT POINTS ARE TO LIP OF KERB OR FACE OF NJB.






CURVE SET-OUT DETAIL


NOTES: DRAINAGE

PIPE MATERIALS UNLESS NOTED OTHERWISE:

DRAINAGE PIPES 225mm AND LARGER	- RCP 2 RRJ
DRAINAGE PIPES 150mm AND SMALLER	- uPVC CLASS SH RRJ
SUBSURFACE DRAINS ( LONGITUDINAL )	- TYPE 3 ( SD 1601C ) - CATEGORY 1 PIPE WITH FILTER SOCK - CLASS A2 GRANULAR FILTER MATERIAL
SUBSURFACE DRAINS (TRANSVERSE AND UNDER ROADS)	- TYPE 2 ( SD 1601C ) - CATEGORY 1 PIPE - NO FINES CONCRETE FILTER MATERIAL

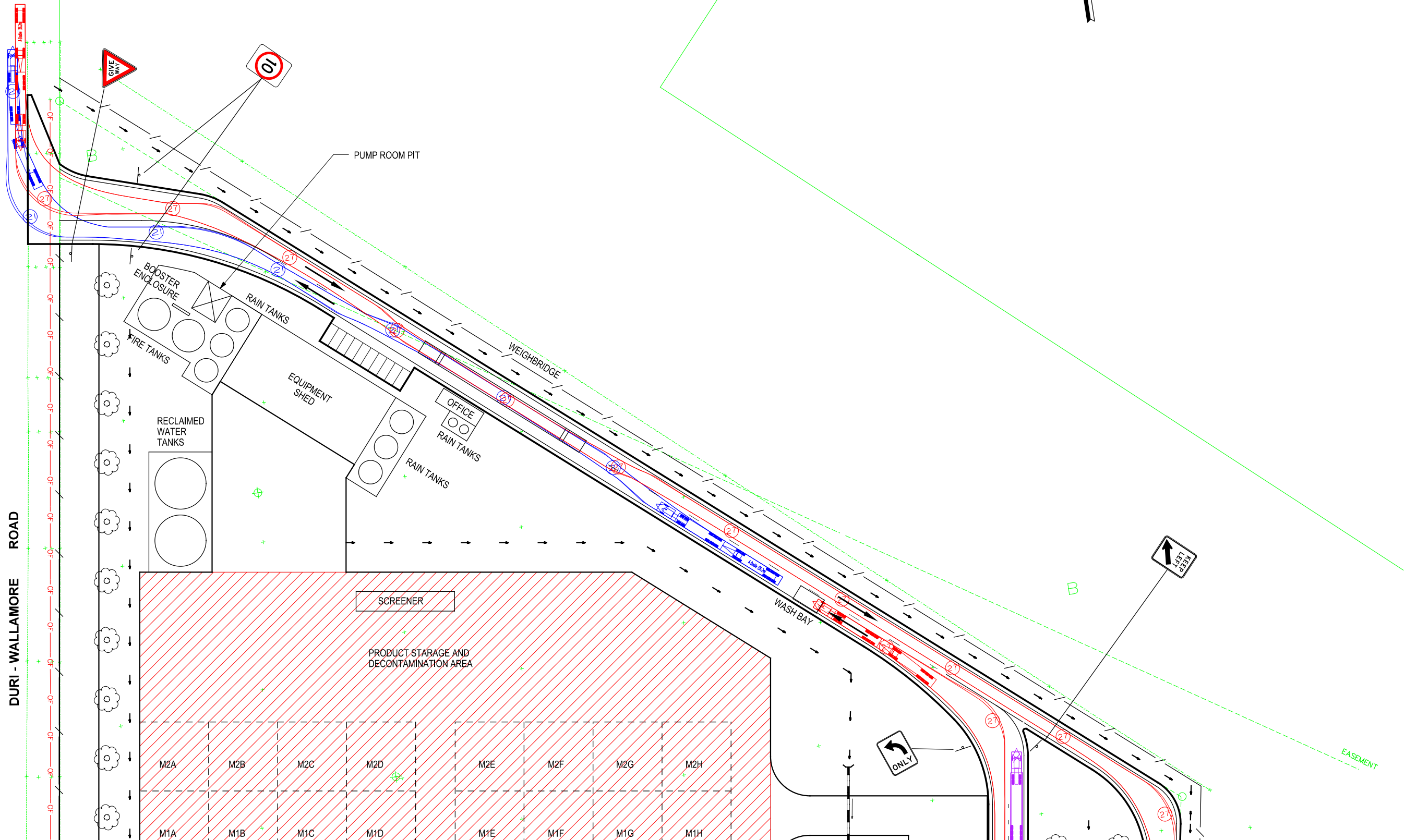
TRUCK TURNING PATHS

	A DOUBLE 36.2m TURNING PATH ENTRY
	A DOUBLE 36.2m TURNING PATH EGRESS
	SEMI 25m TURNING PATH

DRAWING REVISION HISTORY					APPROVED	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.pittsherry.com.au Victoria 3006 ABN 67 140 184 309 <small>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</small>	CLIENT	TAMWORTH REGIONAL COUNCIL	DRAWING TITLE		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE			PROJECT	ORGANIC RECYCLING FACILITY	SYMBOLS AND GENERAL NOTES		
										DATUMS:	CLIENT No.	
						SIGNED		STATUS	PRELIMINARY DESIGN	DRAWING No.	ML16026-C004	REVISION 0
					DATE							



**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
The locations of underground services shown are approximate only and their exact position should be proven on site.



DRAWING REVISION HISTORY				
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED

DATE	APPROVED
	ORIGINAL COPY ON FILE "e" SIGNED BY
	SIGNED
	DATE

SCALE 1:1000	0 10 20	SHEET SIZE A3



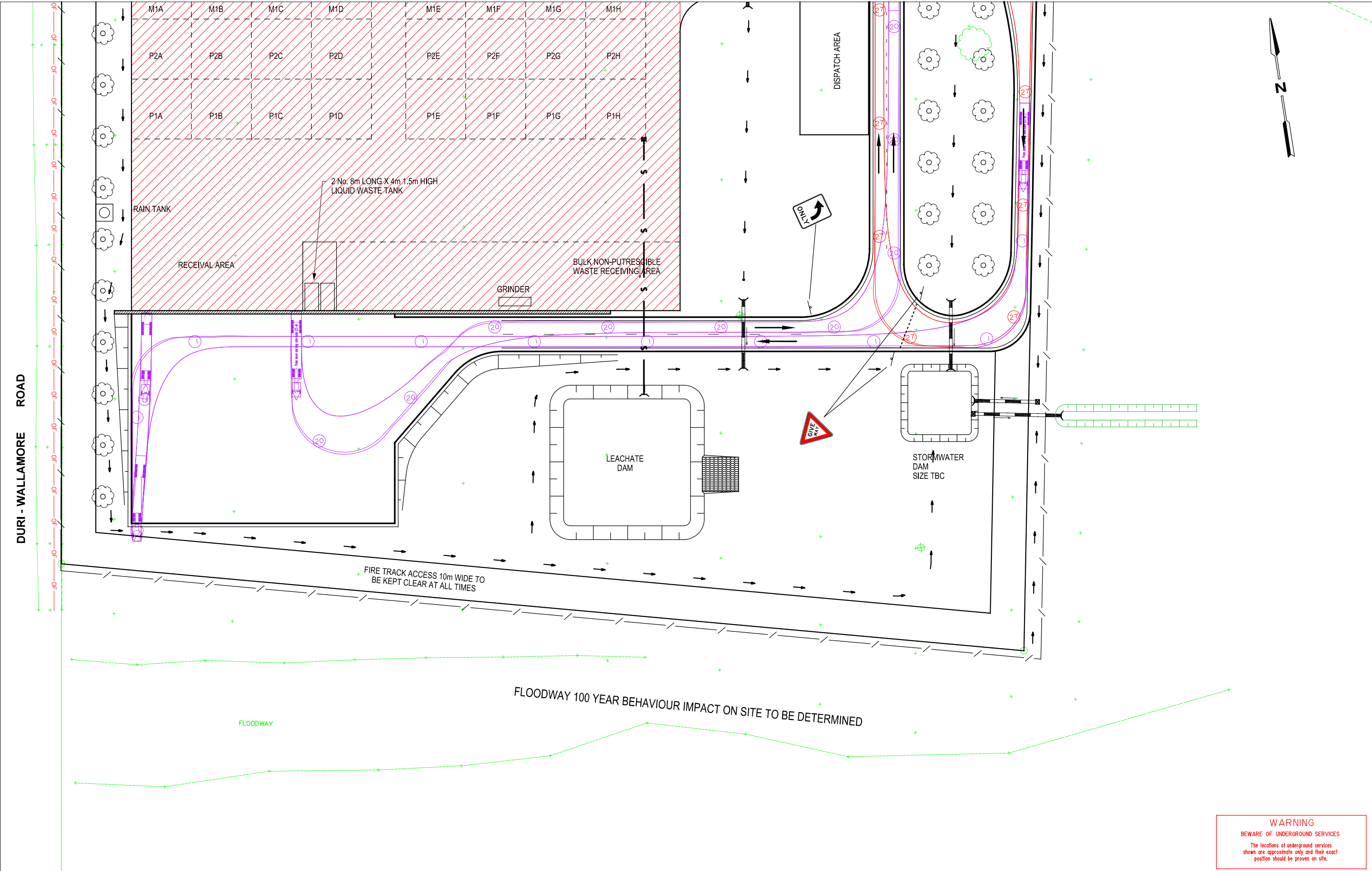
MELBOURNE OFFICE  
HWIT Tower 40 City Road  
Southbank  
Victoria 3006

Ph. (03) 9682 5290  
Fax. (03) 9682 5292  
www.psh.com.au  
ABN 67 140 184 309

© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.

CLIENT	TAMWORTH REGIONAL COUNCIL
PROJECT	ORGANIC RECYCLING FACILITY
STATUS	PRELIMINARY DESIGN


DRAWING TITLE		OPERATIONS PLAN SHEET 1	
DATUMS:		CLIENT No.	
DRAWING No.	ML16180-C011	REVISION	0



DRAWING REVISION HISTORY				
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED

APPROVED
ORIGINAL COPY ON FILE "e" SIGNED BY
SIGNED
DATE

SCALE 1:1000	0 10 20	SHEET SIZE A3
--------------	---------	------------------



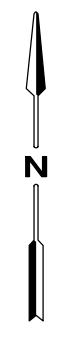
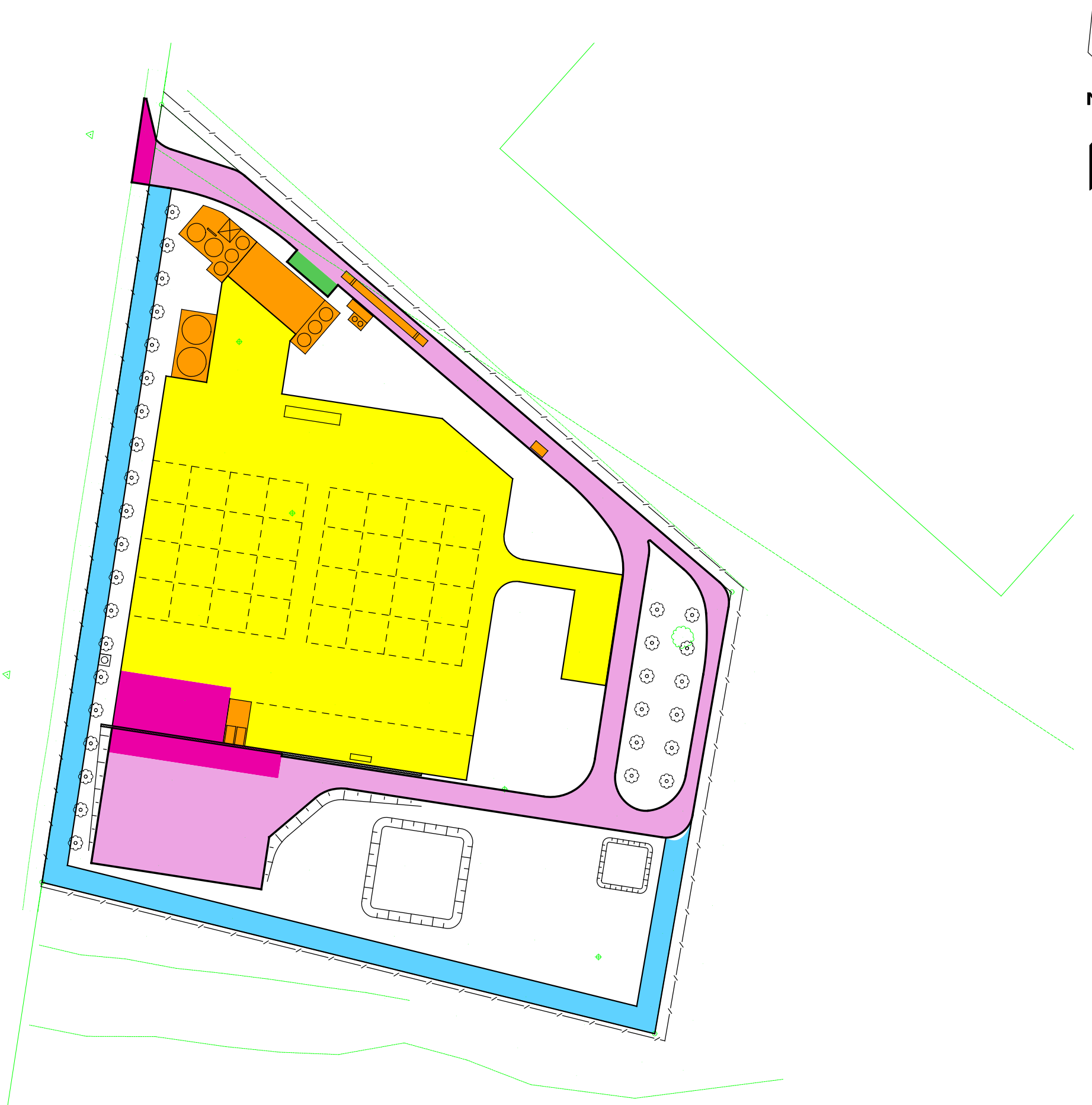
**pitt&sherry**







MELBOURNE OFFICE Ph. (03) 9682 5290  
HWT Tower 40 City Road Fax. (03) 9682 5292  
Southbank www.pittsherry.com.au  
Victoria 3006 ABN 67 140 184 309


© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.

CLIENT	TAMWORTH REGIONAL COUNCIL
PROJECT	ORGANIC RECYCLING FACILITY
STATUS	PRELIMINARY DESIGN

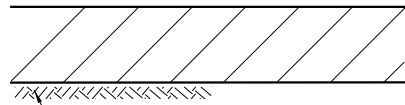
DRAWING TITLE		OPERATIONS PLAN SHEET 2	
DATUMS:		CLIENT No.	
DRAWING No.	ML16180-C012	REVISION	1



PAVEMENT LEGEND		TOTAL m <sup>2</sup>
	PAVEMENT TYPE 1 FIRE TRACK	6670
	PAVEMENT TYPE 2 ACCESS ROAD TRUCKS	11355
	PAVEMENT TYPE 3 CAR PARK	165
	PAVEMENT TYPE 4 CONCRETE PAVEMENT	2404
	PAVEMENT TYPE 5 PROCESS AREA	26173
	REFER STRUCTURAL DRAWINGS	

DRAWING REVISION HISTORY					APPROVED	SCALE 1:2000	SHEET SIZE A3	 <div><div>MELBOURNE OFFICE</div><div>Ph. (03) 9682 5290</div><div>Fax. (03) 9682 5292</div><div>Southbank</div><div>Victoria 3006</div><div>www.pittsherry.com.au</div><div>ABN 67 140 184 309</div></div>	CLIENT TAMWORTH REGIONAL COUNCIL		DRAWING TITLE	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE				PROJECT ORGANIC RECYCLING FACILITY		PAVEMENT PLAN	
						SIGNED			STATUS PRELIMINARY DESIGN		DATUMS:	
									DRAWING No. ML16180-C301		CLIENT No.	
1	CARPARK SHADING AMENDED	CJR	CJR	CJR	10/06/2016	DATE					REVISION 1	

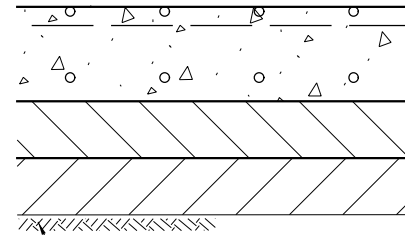




SUBGRADE COMPACTED  
TO 98% SMDD - CBR 3%

PAVEMENT TYPE 1  
FIRE TRACK

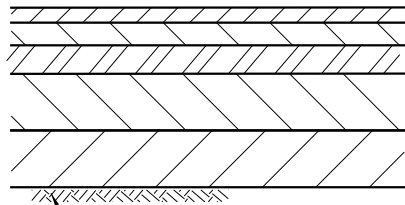
A	200mm	DGB20 (REFER RMS 3051) SCALE A COMPACTION
TOTAL	200mm	



SUBGRADE COMPACTED  
TO 98% SMDD - CBR 3%

PAVEMENT TYPE 4  
CONCRETE PAVEMENT  
FOR MATERIAL HANDLING

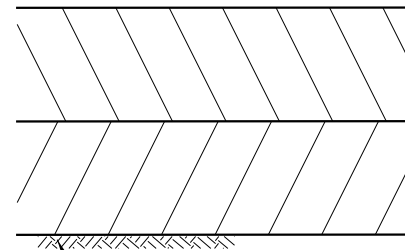
		MESH AS SPECIFIED REFER JOINTING PLANS
A	250mm	40MPa CONCRETE. MINIMUM SHRINKAGE STRAIN 450 MICROSTRAIN
B	150mm	LCS (REFER RMS R82)
C	150mm	SMZ (REFER RMS 3071) SCALE A COMPACTION
TOTAL	550mm	



SUBGRADE COMPACTED  
TO 98% SMDD - CBR 3%

PAVEMENT TYPE 2  
ACCESS ROAD TRUCKS

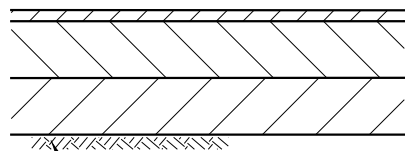
A	40mm	DG14 CLASS 320 BINDER (REFER RMS 3253)
B	60mm	DG20 CLASS 320 BINDER (REFER RMS 3253)
C	75mm	DG20 CLASS 320 BINDER (REFER RMS 3253)
D	150mm	MB20 (REFER RMS 3051) SCALE A COMPACTION
E	150mm	SMZ (REFER RMS 3071) SCALE A COMPACTION
TOTAL	475mm	



SUBGRADE COMPACTED  
TO 98% SMDD - CBR 3%

PAVEMENT TYPE 5  
PROCESS AREA

A	300mm	CLAY, MAXIMUM PERMEABILITY 10 to minus 7 SCALE A COMPACTION
B	-	SCOUR SURFACE TO PREVENT LAMINATION
C	300mm	CLAY, MAXIMUM PERMEABILITY 10 to minus 7 SCALE A COMPACTION
TOTAL	600mm	



SUBGRADE COMPACTED  
TO 98% SMDD - CBR 3%


PAVEMENT TYPE 3  
CAR PARK

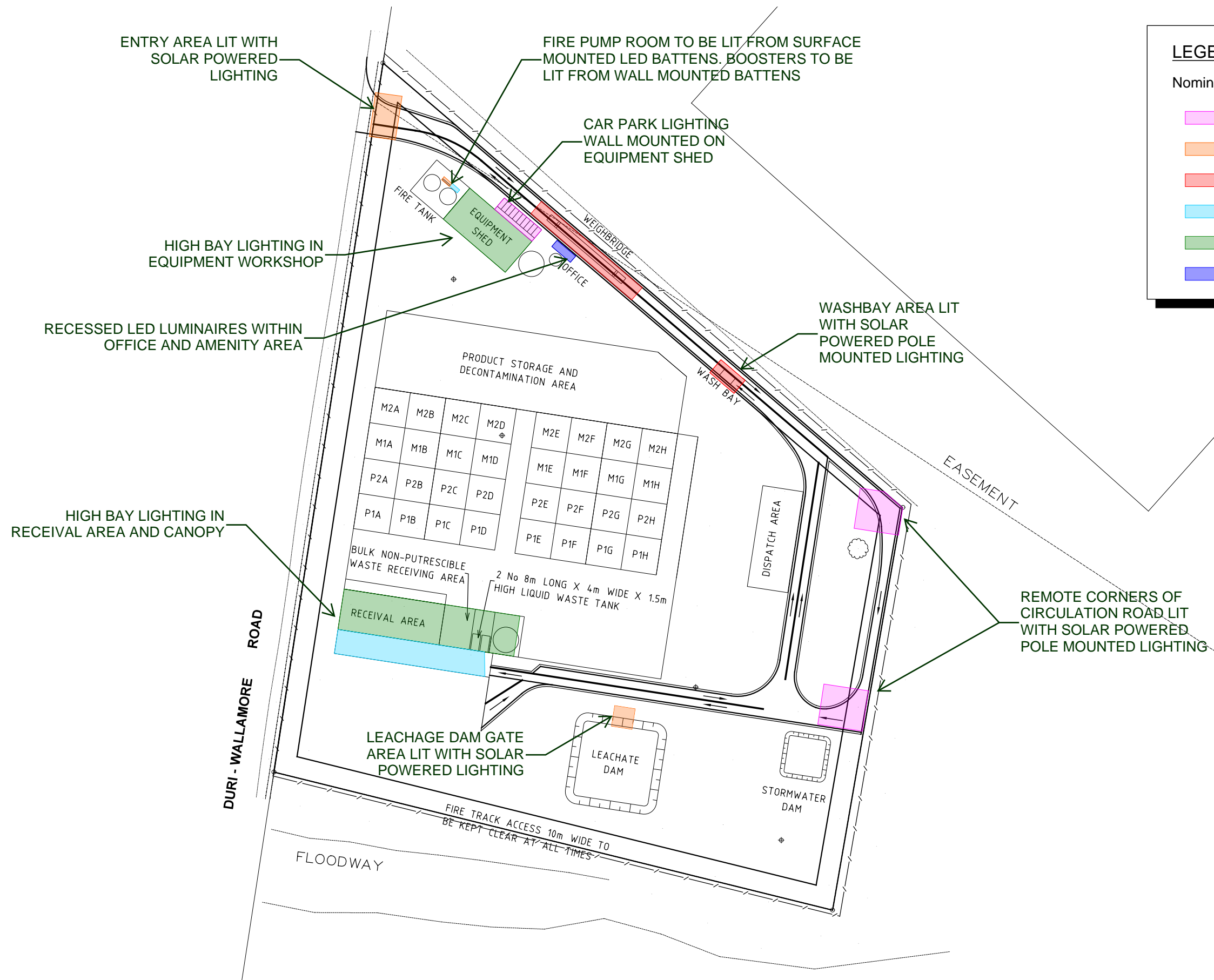
A	30mm	DG10 CLASS 320 BINDER
B	150mm	DGB20 (REFER RMS 3051) SCALE A COMPACTION
C	150mm	DGS20 (REFER RMS 3051) SCALE A COMPACTION
TOTAL	330mm	


NOTES

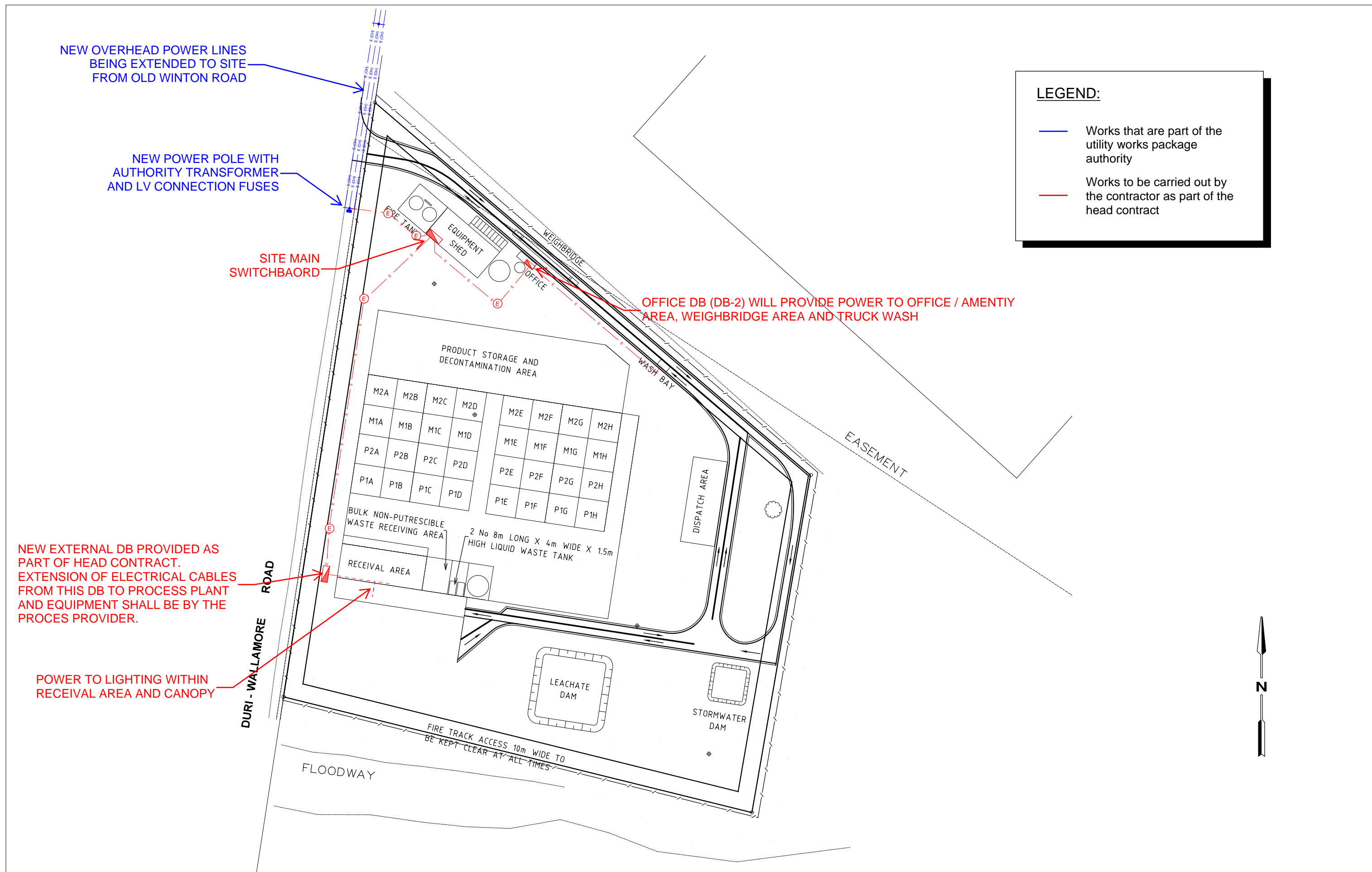
1. GEOTECHNICAL ENGINEER IS INVESTIGATING WHETHER LAYERS A AND C CAN BE SITE WON (AS CURRENTLY EXISTS OR MODIFIED WITH ADDITIVES).

PAVEMENT CONFIGURATIONS ARE PRELIMINARY AND  
SUBJECT TO CHANGE. CLIENT TO PROVIDE TRAFFIC  
LOADING AND DESIGN CBR OF SUBGRADE

DRAWING REVISION HISTORY					APPROVED	SCALE N.T.S	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.pittsherry.com.au Victoria 3006 ABN 67 140 184 309 <small>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND, IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION, UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</small>	CLIENT	DRAWING TITLE	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE				PROJECT	PAVEMENT COMPOSITIONS	
						ORIGINAL COPY ON FILE "e" SIGNED BY			TAMWORTH REGIONAL COUNCIL		
						SIGNED			ORGANIC RECYCLING FACILITY	DATUMS:	CLIENT No.
						DATE			PRELIMINARY DESIGN	DRAWING No.	REVISION
										ML16180-C311	0

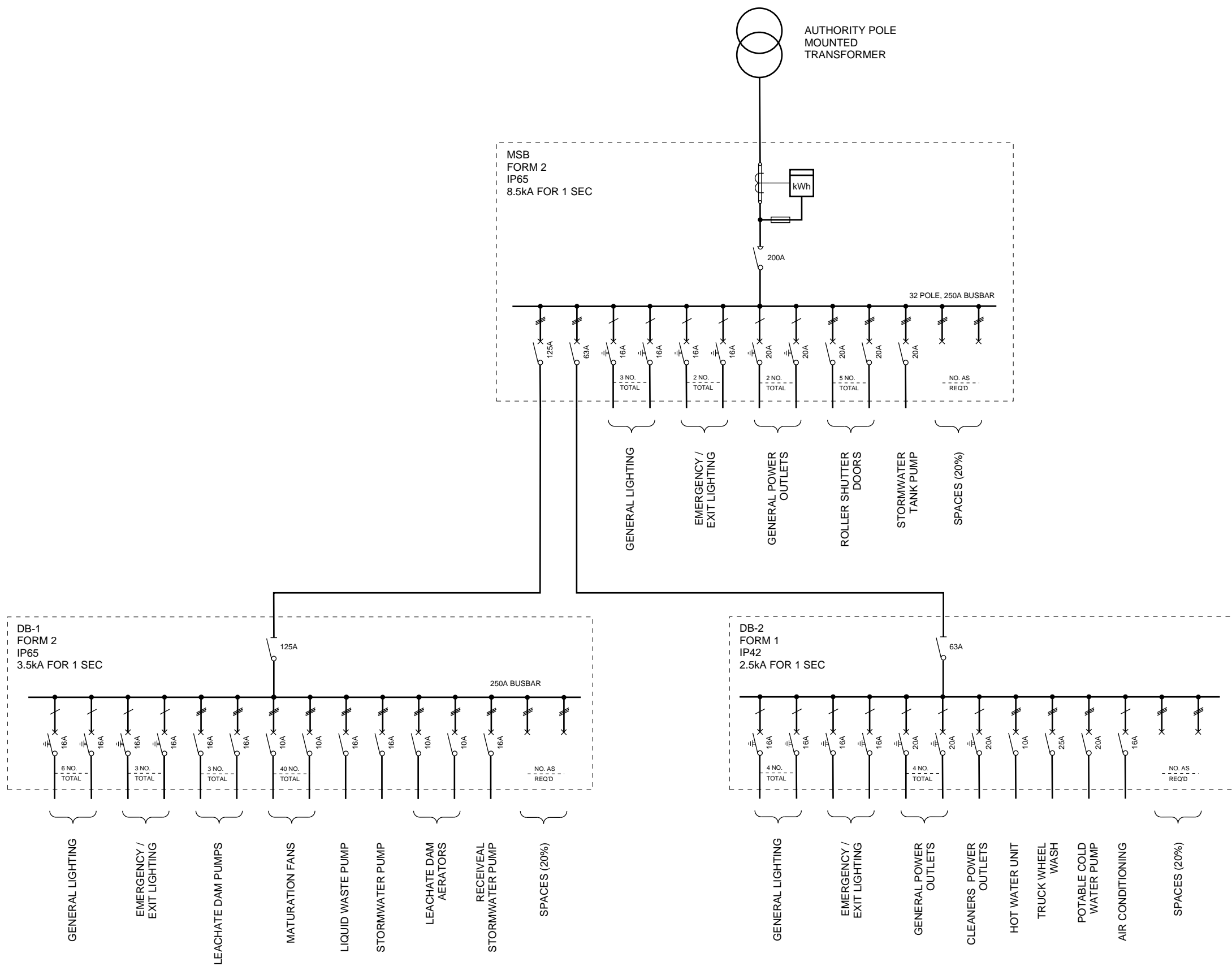



DRAWING REVISION HISTORY					APPROVED	SCALE 1:2000	SHEET SIZE A3	 <p>MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.pittsherry.com.au Victoria 3006 ABN 67 140 184 309</p>	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED						SITE PLAN NOMINAL AVERAGE LIGHTING LEVELS	
00	PRELIMINARY ISSUE	SB	SB	IH	09/09/16	DATE				DATUMS:	CLIENT No.
										DRAWING No.	REVISION
										ML16180-SK-E-001	00
										PRELIMINARY DESIGN	



DRAWING REVISION HISTORY					APPROVED	SCALE 1:2000	SHEET SIZE A3	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE SITE PLAN ELECTRICAL DISTRIBUTION ARRANGEMENT
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED					
00	PRELIMINARY ISSUE	SB	SB	IH	09/08/16	DATE		PROJECT ORGANIC RECYCLING FACILITY	DATUMS:
								STATUS PRELIMINARY DESIGN	CLIENT No.
								DRAWING No. ML16180-SK-E-002	REVISION 00

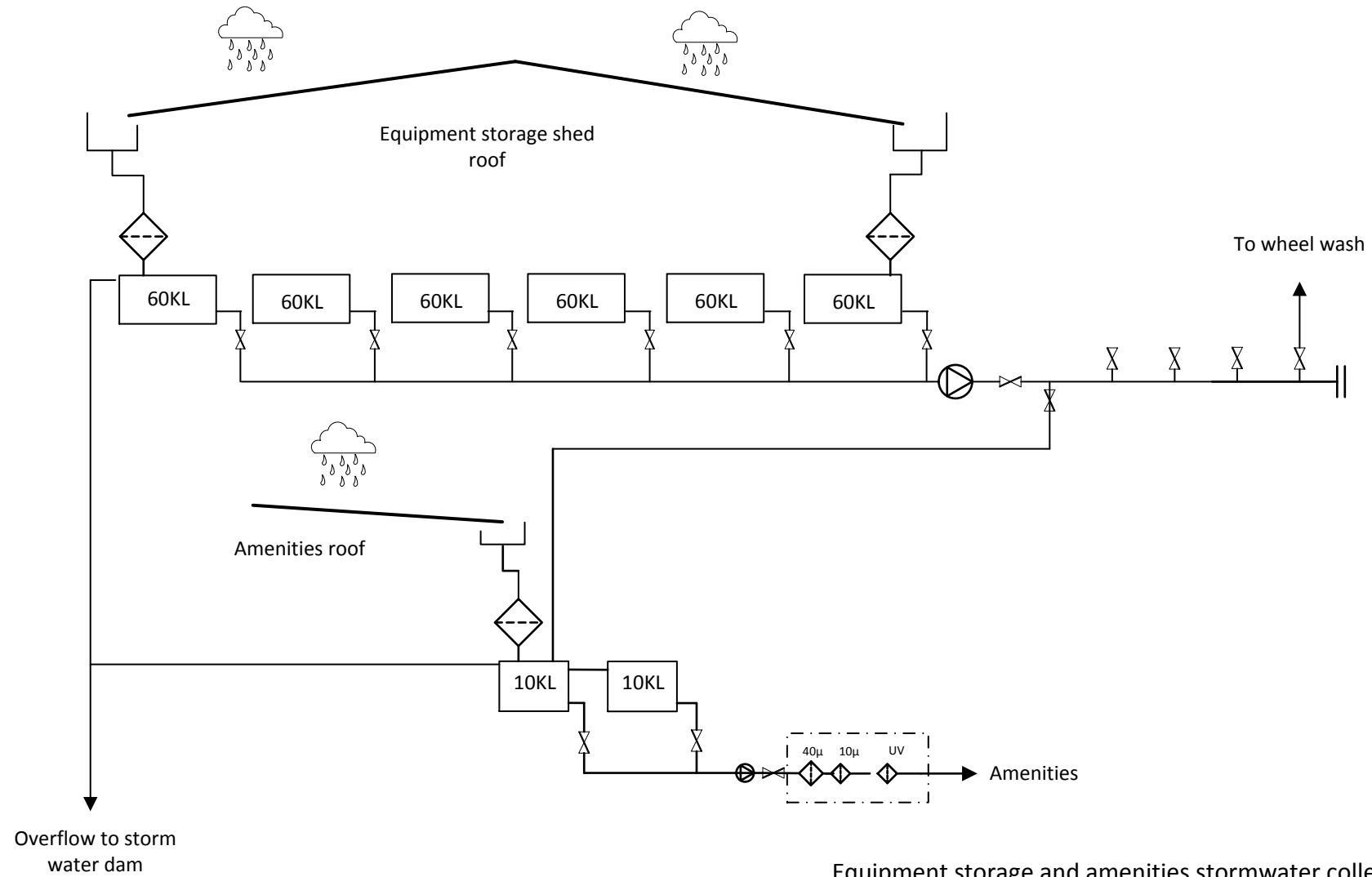




DRAWING REVISION HISTORY					APPROVED	SCALE N.T.S.	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5282 Southbank www.pittsherry.com.au Victoria 3006 ABN 67 140 184 309	CLIENT TAMWORTH REGIONAL COUNCIL	PROJECT ORGANIC RECYCLING FACILITY	DRAWING TITLE ELECTRICAL SERVICES ELECTRICAL SCHEMATICS		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE						DATUMS:	CLIENT No.	
01	REVISED PRELIMINARY ISSUE	SB	SB	IH	12/08/16	SIGNED	DATE			STATUS PRELIMINARY DESIGN	DRAWING No.	ML16180-SK-E-003	REVISION A
00	PRELIMINARY ISSUE	SB	SB	IH	09/08/16								

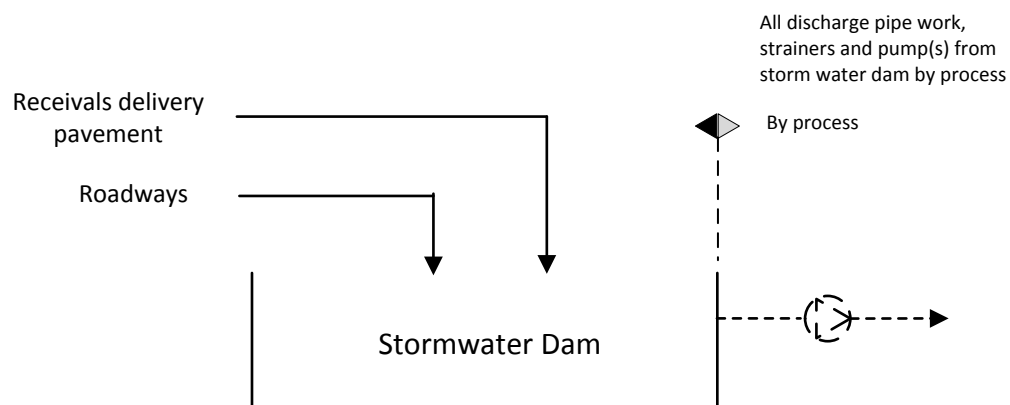


Stormwater collection schematic  
Equipment storage shed and amenities

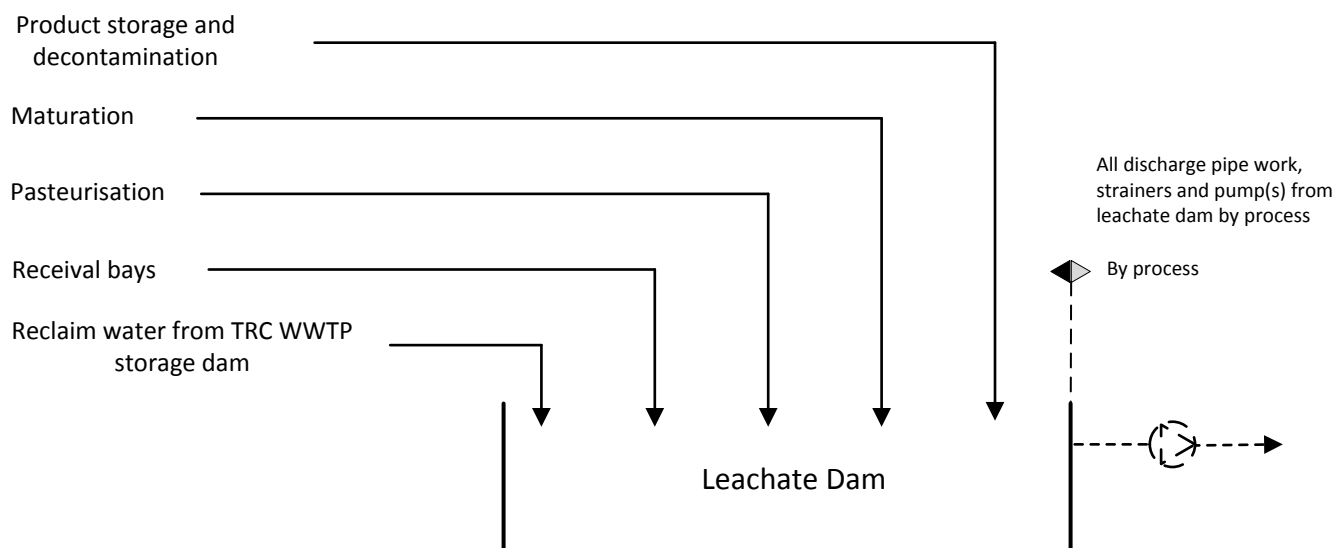


Equipment storage and amenities stormwater collection  
ML16180-H-SK001 Rev A  
16-09-2016

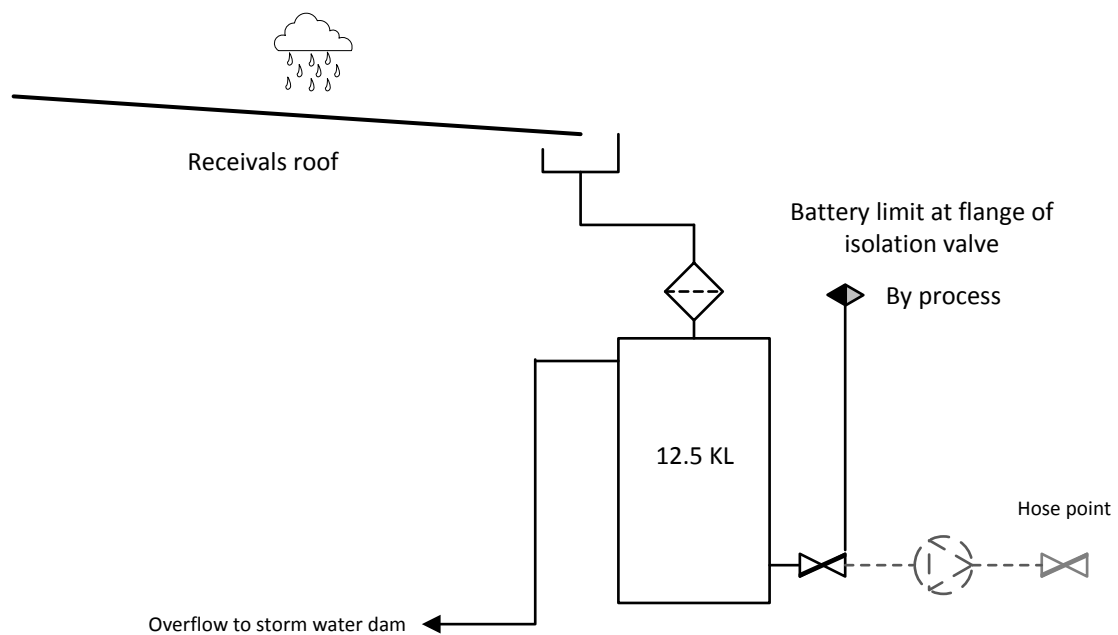
## Stormwater collection



## Leachate Collection

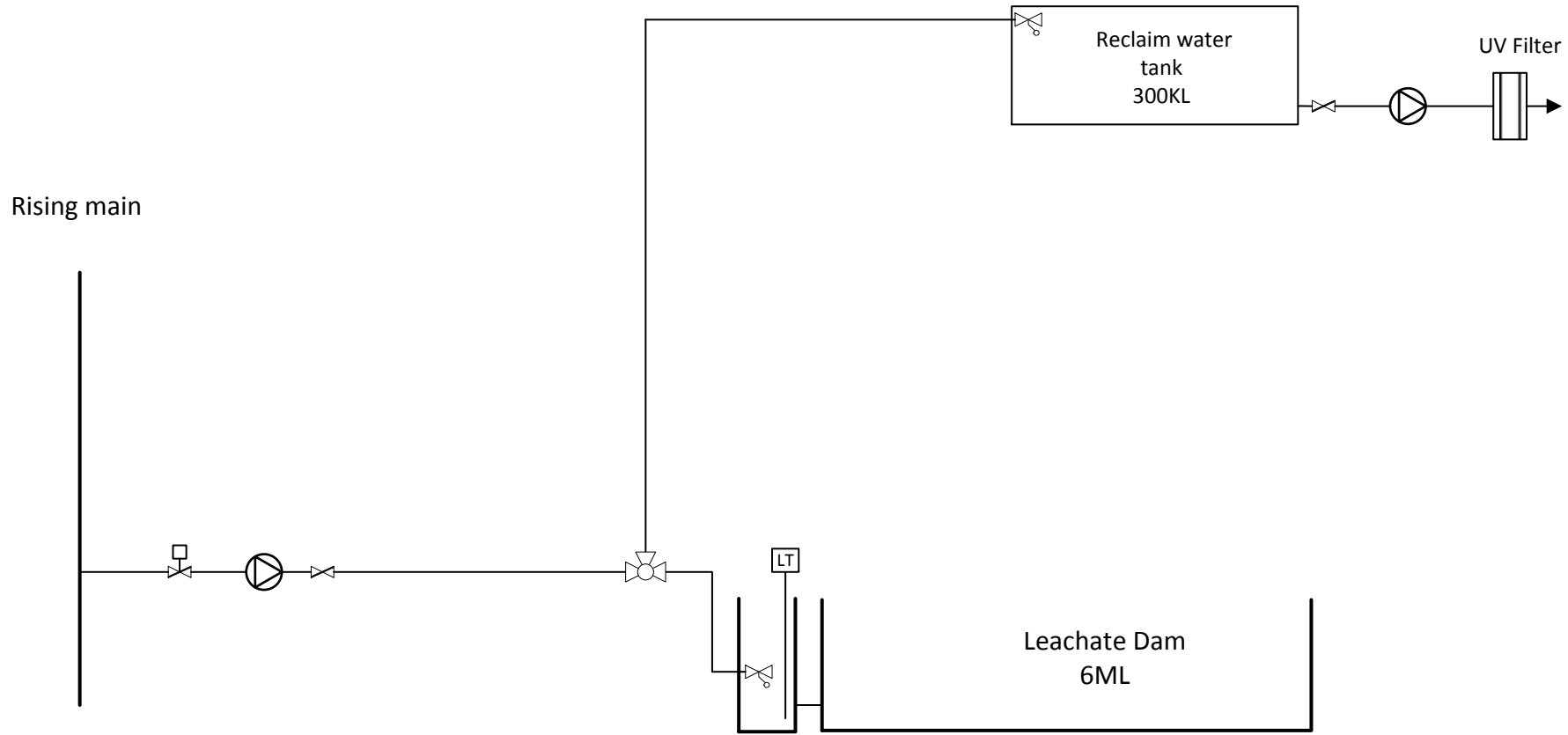






Receivals Stormwater Collection  
ML16180-H-SK003 Rev A  
16-09-2016

**Reclaim Water Schematic**



**Reclaim Water Schematic**  
**ML16180-H-SK004**  
**6-10-2016**

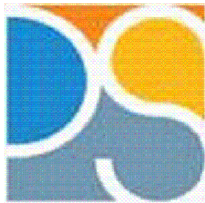


Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINARY

16.09.16	D	ADDITIONAL DESK & CHAIR	NH
		ADDED TO OFFICE FLOOR PLAN	
16.09.16	C	VERANDAH EXTENDED BY 1.5M	NH
07.09.16	B	OFFICE WORKSTATION REVISED	MJH
07.09.16	A	OFFICE LAYOUT REVISED	MJH
Date	Rev.	Amendment	Drawn

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- OFFICE

Cad Reference	Plot Scale
L\00916\SK\SK01.DWG	1:1@A3



Scale	Date
1:100	06.09.16
Drawn	Checked
MJH	NH

Job Number	Drawing No.	Revision
ML16180	SK-A-001	D

WALL LEGEND

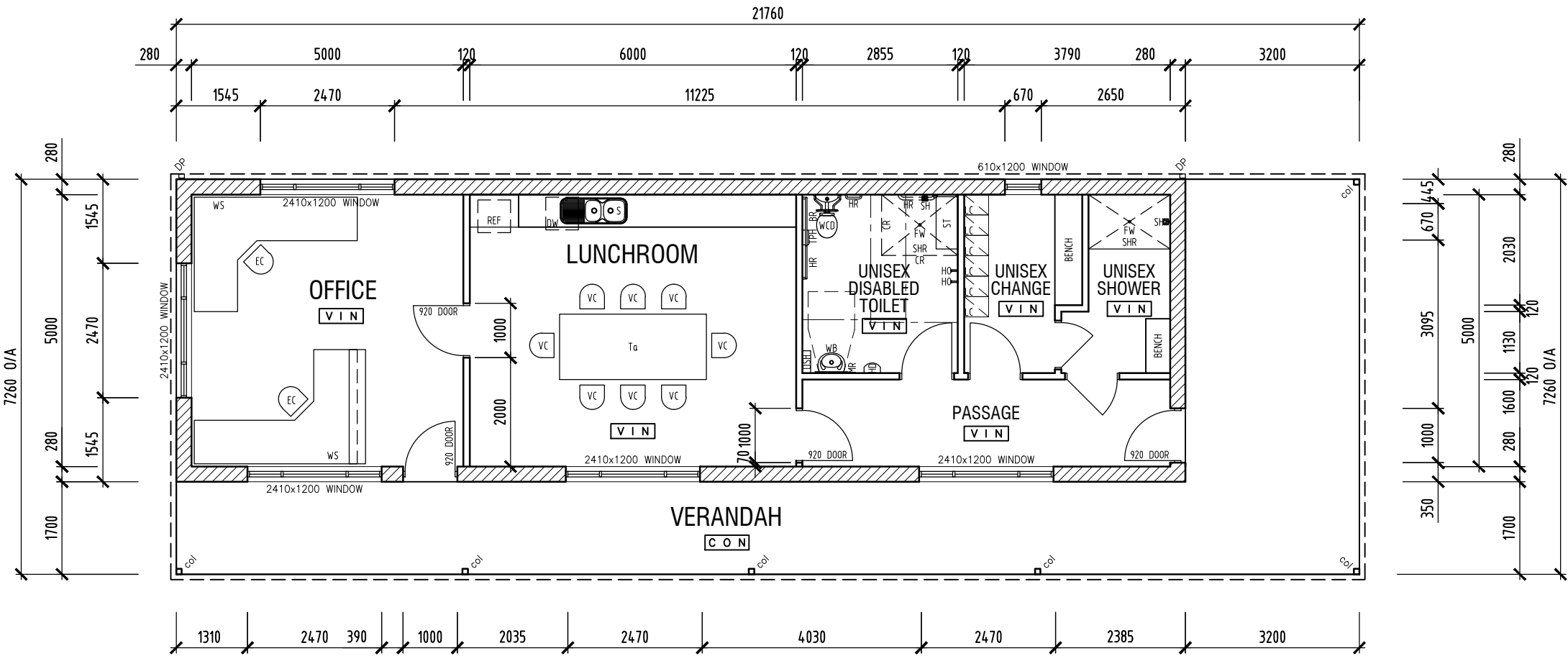
	CONCRETE BLOCK VENEER WALL WITH A SELECTED RENDER & PAINT FINISH EXTERNALLY & PLASTER LINING INTERNALLY
	13mm NOM. THICK PLASTER BOARD LINED STUD WALL WITH A SELECTED PAINT FINISH
	'STEGBAR' ALUMINIUM FRAMED SLIDING WINDOWS IN A SELECTED POWDER COAT FINISH

FLOOR FINISHES

VIN	NON SLIP VINYL FLOOR FINISH
CON	BROOM FINISHED CONCRETE

FIXTURES LEGEND

REF	UNDER BENCH REFRIGERATOR	HO	COAT HOOK
S	DOUBLE BOWL SINK AND DRAINER	DSH	DDA COMPLIANT SHELF
DW	DISH WASHER	SH	SOAP HOLDER
WB	WASH BASIN	HD	HAND DRYER
WCD	DISABLED TOILET PAN AND CISTERN	MR	MIRROR
HR	HAND / GRAB RAIL	SHR	SHOWER
TPH	TOILET PAPER HOLDER	Ta	1200 X 2700 TABLE
BR	BACK REST	VC	LUNCHROOM CHAIR
CR	CURTAIN RAIL	WS	WORK STATION WITH UPPER COUNTER
ST	SHOWER SEAT	EC	ERGONOMIC CHAIR



PROPOSED OFFICE FLOOR PLAN  
SCALE 1:100

- NOTE:
- OFFICE CEILING LEVEL TO BE 2700 mm A.F.F.L.
  - HVAC TO ALL AREAS TO BE VIA REVERSE CYCLE SPLIT SYSTEMS

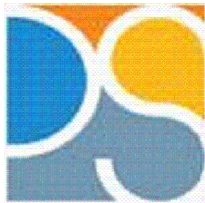


Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

Date	Rev.	Amendment	Drawn

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

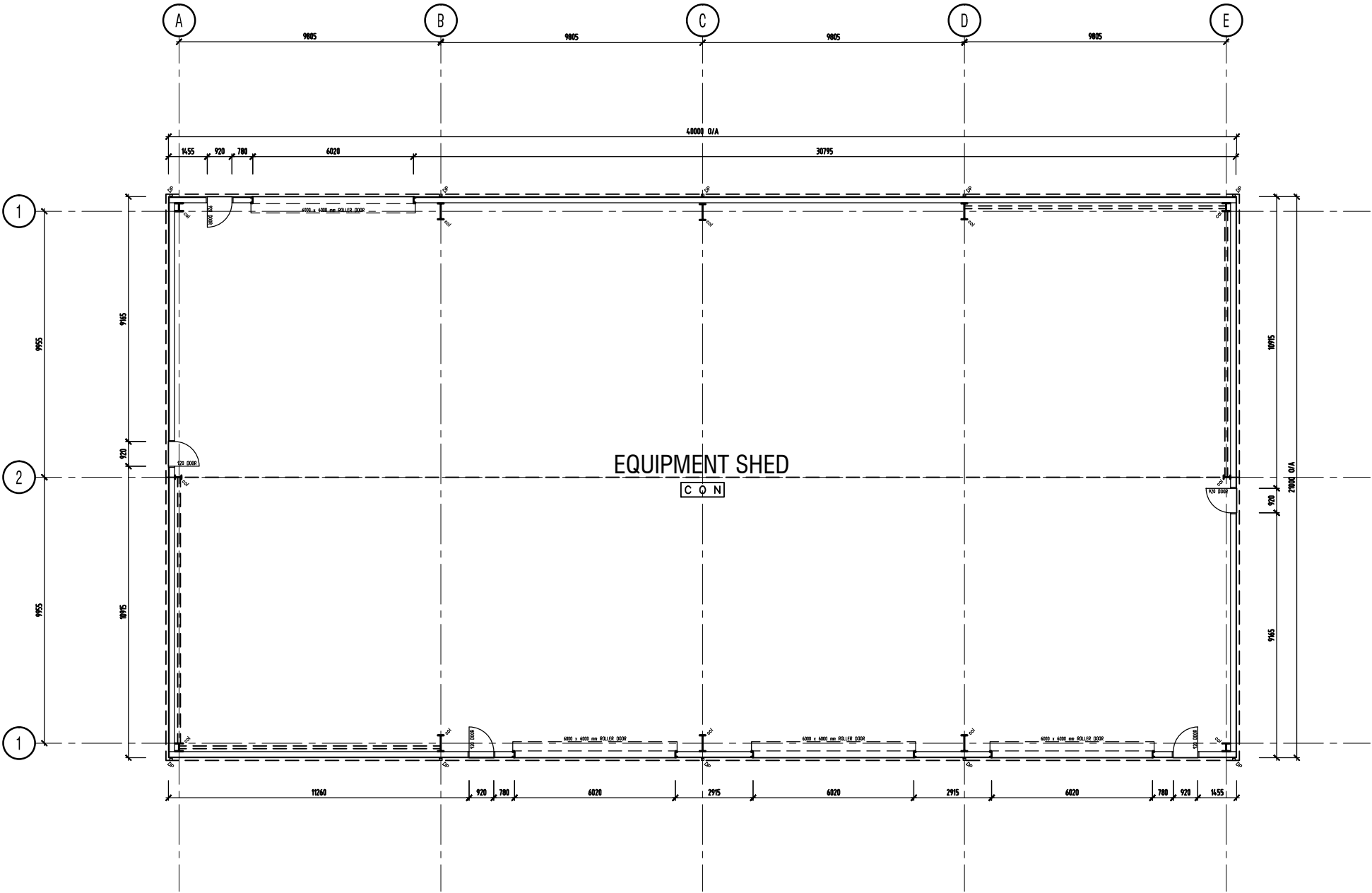
Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- EQUIPMENT SHED

Cad Reference	Plot Scale
L:\00916\SK\SK02.DWG	1:1@A3



Scale	Date
1:200	07.09.16
Drawn	Checked
MJH	NH

Job Number	Drawing No.	Revision
ML16180	SK-A-002	



PROPOSED EQUIPMENT SHED FLOOR PLAN  
SCALE 1:200



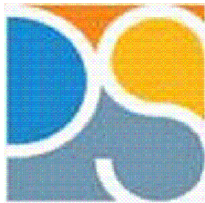


Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

07.10.16	A	CENTRAL BAY ROOF RAISED, WALLS ADDED TO END BAYS.	NH
Date	Rev.	Amendment	Drawn

Client



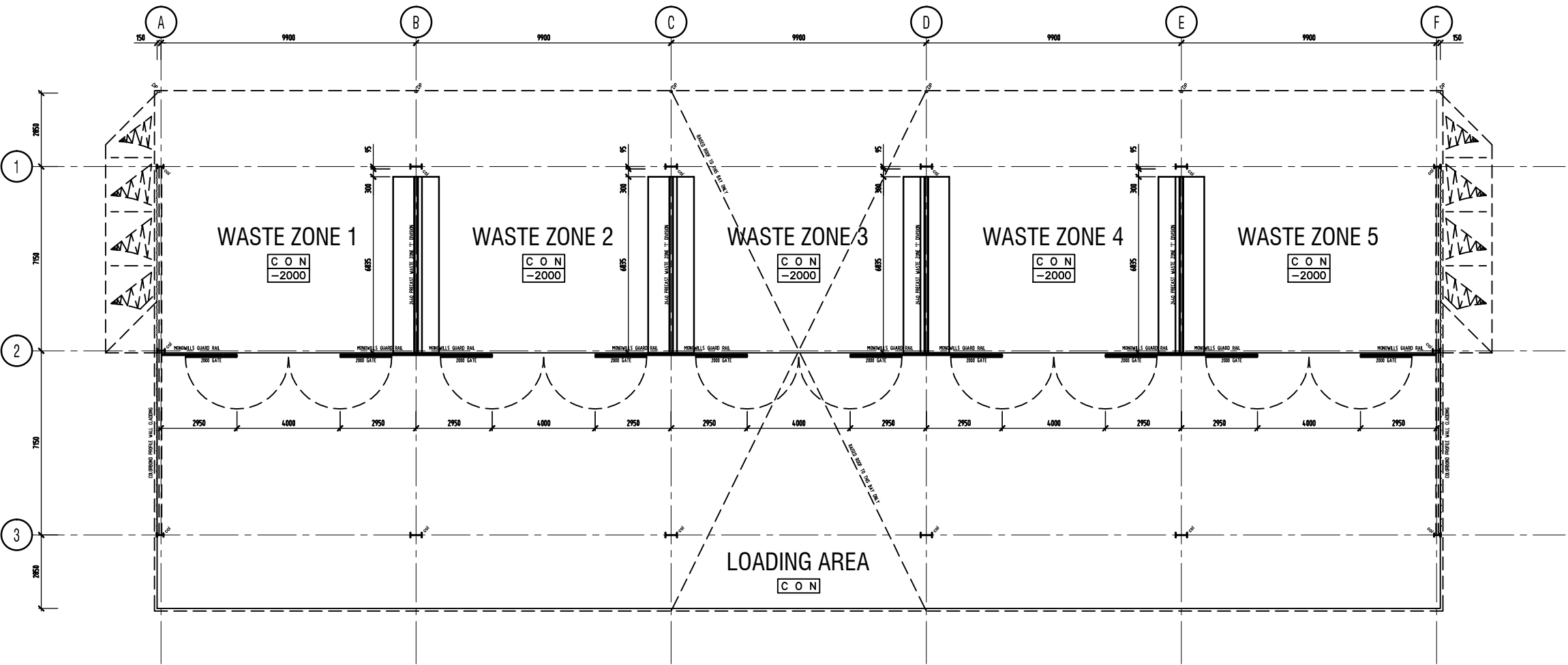
Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- RECEIVING CANOPY

Cad Reference Plot Scale  
L:\00916\SK\SK03.DWG 1:1@A3

Scale Date  
1:200 07.09.16  
Drawn Checked  
MJH NH

Job Number Drawing No. Revision  
ML16180 SK-A-003 A



PROPOSED RECEIVING CANOPY FLOOR PLAN  
SCALE 1:200



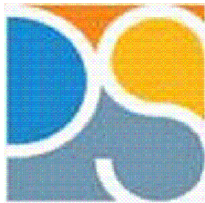


Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR


Date	Rev.	Amendment	Drawn
16.09.16	B	ISSUED TO PITT & SHERRY	NH
16.09.16	A	VERANDAH EXTENDED BY 1M	NH

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- OFFICE 3D PERSPECTIVES

Cad Reference		Plot Scale
L\00916\SK\SK04.DWG		1:1@A3
	Scale	Date
	NTS	09.09.16
	Drawn	Checked
	NH	MJH
Job Number	Drawing No.	Revision
ML16180	SK-A-004	B



PROPOSED OFFICE 3D PERSPECTIVE 01  
NOT TO SCALE



PROPOSED OFFICE 3D PERSPECTIVE 02  
NOT TO SCALE





Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

Date	Rev.	Amendment	Drawn
16.09.16	B	ISSUED TO PITT & SHERRY	NH
16.09.16	A	VERANDAH EXTENDED BY 1M	NH

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- OFFICE ELEVATIONS

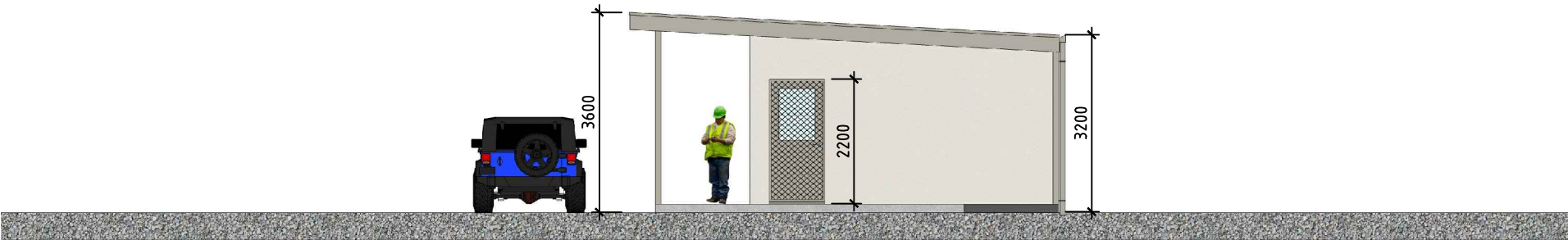
Cad Reference	Plot Scale
L\00916\SK\SK05.DWG	1:1@A3

Scale	Date
NTS	09.09.16
Drawn	Checked
NH	MJH

Job Number	Drawing No.	Revision
ML16180	SK-A-005	B



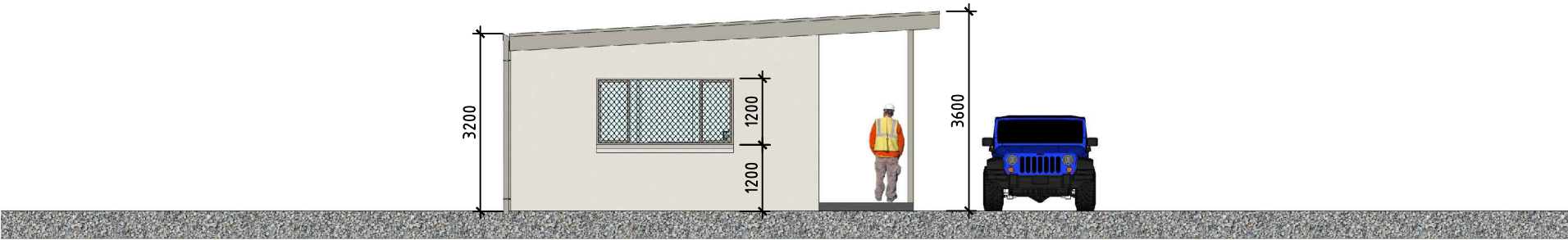
PROPOSED OFFICE ELEVATION 01  
NOT TO SCALE



PROPOSED OFFICE ELEVATION 02  
NOT TO SCALE



PROPOSED OFFICE ELEVATION 03  
NOT TO SCALE



PROPOSED OFFICE ELEVATION 04  
NOT TO SCALE





Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

16.09.16	B	ISSUED TO PITT & SHERRY	NH
16.09.16	A	OVERALL BUILDING HEIGHT REDUCED TO 8M, ROLLER DOOR	NH
		HEIGHT REDUCED TO 5.5M	
Date	Rev.	Amendment	Drawn

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- EQUIPMENT SHED  
3D PERSPECTIVES

Cad Reference	Plot Scale
L\00916\SK\SK06.DWG	1:1@A3

Scale	Date
NTS	09.09.16
Drawn	Checked
NH	MJH

Job Number	Drawing No.	Revision
ML16180	SK-A-006	B



PROPOSED EQUIPMENT SHED 3D PERSPECTIVE 01  
NOT TO SCALE



PROPOSED EQUIPMENT SHED 3D PERSPECTIVE 02  
NOT TO SCALE





Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

16.09.16	B	ISSUED TO PITT & SHERRY	NH
16.09.16	A	OVERALL BUILDING HEIGHT REDUCED TO 8M, ROLLER DOOR HEIGHT REDUCED TO 5.5M	NH
Date	Rev.	Amendment	Drawn

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- EQUIPMENT SHED  
ELEVATIONS

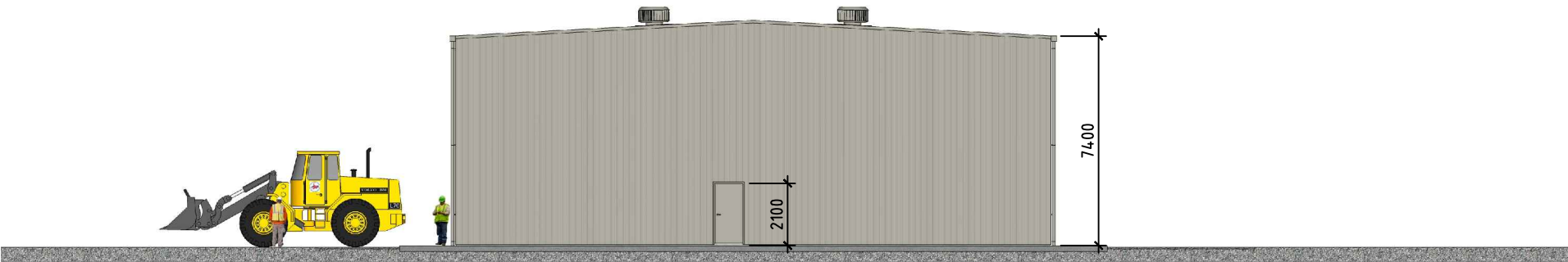
Cad Reference	Plot Scale
L\00916\SK\SK07.DWG	1:1@A3

Scale	Date
NTS	09.09.16
Drawn	Checked
NH	MJH

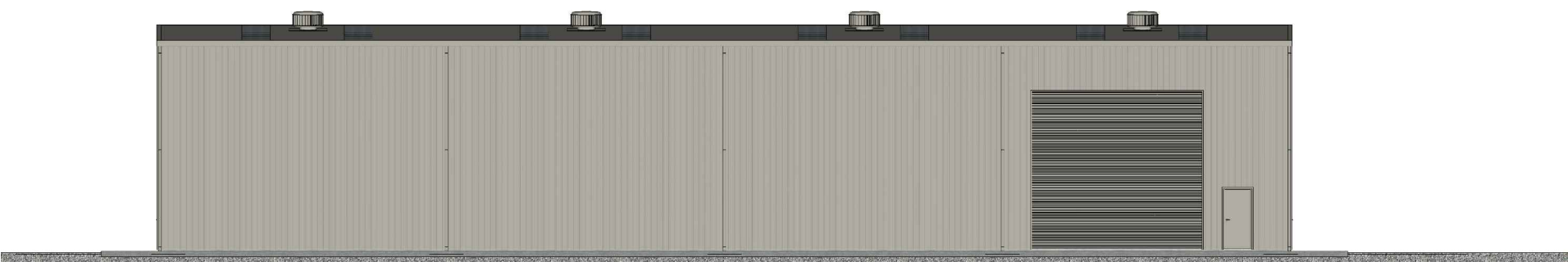
Job Number	Drawing No.	Revision
ML16180	SK-A-007	B



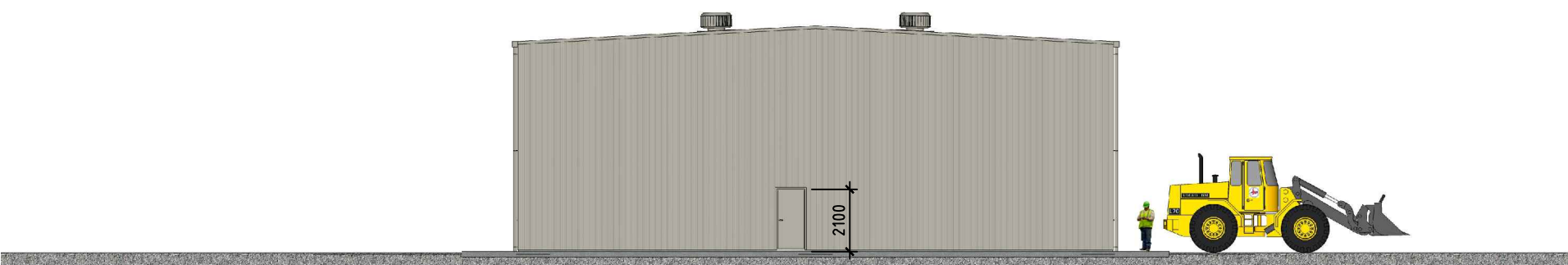
PROPOSED EQUIPMENT SHED ELEVATION 01  
NOT TO SCALE



PROPOSED EQUIPMENT SHED ELEVATION 02  
NOT TO SCALE



PROPOSED EQUIPMENT SHED ELEVATION 03  
NOT TO SCALE



PROPOSED EQUIPMENT SHED ELEVATION 04  
NOT TO SCALE





Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

Date	Rev.	Amendment	Drawn
07.10.16	A	CENTRAL BAY ROOF RAISED, WALLS ADDED TO END BAYS.	NH

Client



Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- RECEIVING CANOPY  
3D PERSPECTIVES

Cad Reference	Plot Scale
L\00916\SK\SK08.DWG	1:1@A3

Scale	Date
NTS	09.09.16
Drawn	Checked
NH	MJH

Job Number	Drawing No.	Revision
ML16180	SK-A-008	A



PROPOSED RECEIVING CANOPY 3D PERSPECTIVE 01  
NOT TO SCALE



PROPOSED RECEIVING CANOPY 3D PERSPECTIVE 02  
NOT TO SCALE





Castellucci Design Group Pty Ltd Architects  
ABN 56 076 742 231  
Level 8, 50 Queen Street, Melbourne Vic 3000  
Telephone 03 9629 6766 Facsimile 03 9629 9744  
Email Castellucci\_D\_G@bigpond.com

PRELIMINAR

07.10.16	A	CENTRAL BAY ROOF RAISED, WALLS ADDED TO END BAYS.	NH
Date	Rev.	Amendment	Drawn

Client



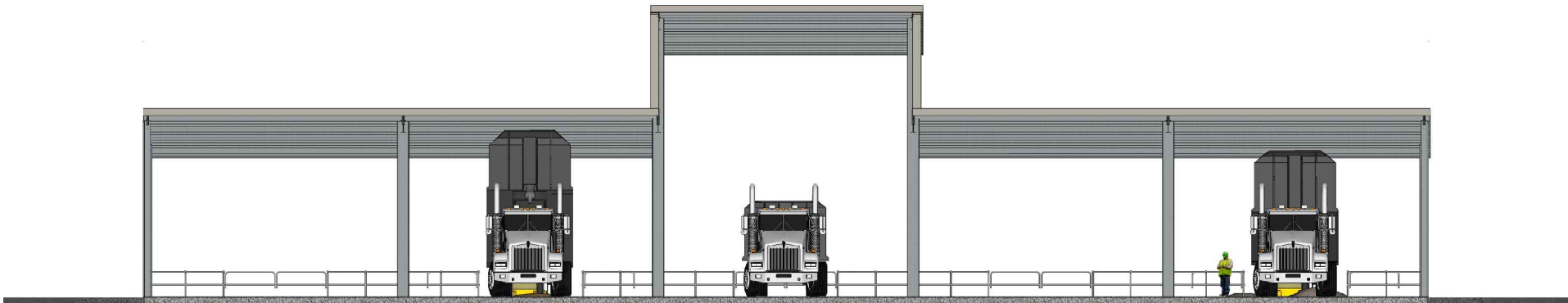
Project  
PROPOSED ORGANIC RECYCLING  
FACILITY, TAMWORTH 2340

Drawing Title  
SCHEMATIC DRAWING:  
PROPOSED FLOOR PLAN  
- RECEIVING CANOPY  
ELEVATIONS

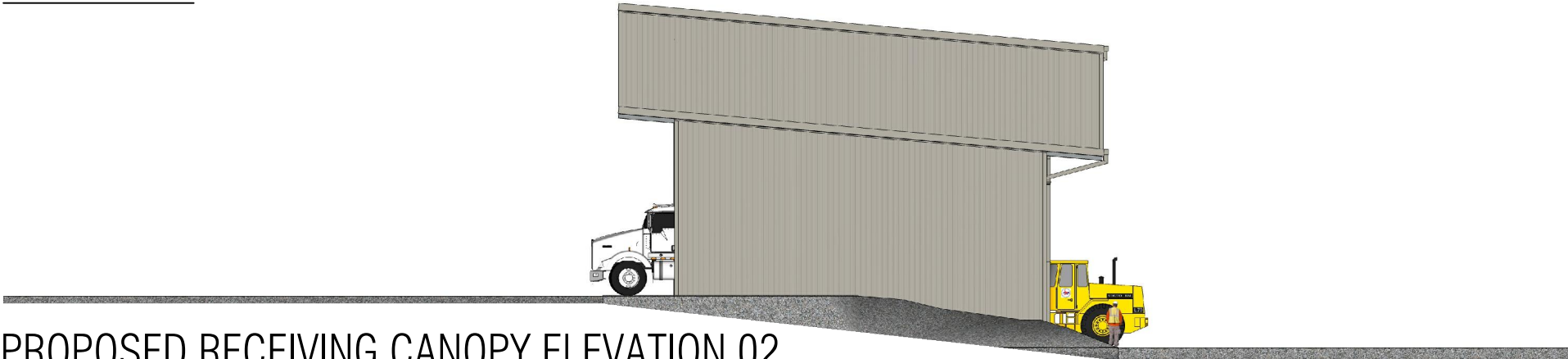
Cad Reference	Plot Scale
L\00916\SK\SK09.DWG	1:1@A3

Scale	Date
NTS	09.09.16
Drawn	Checked
NH	MJH

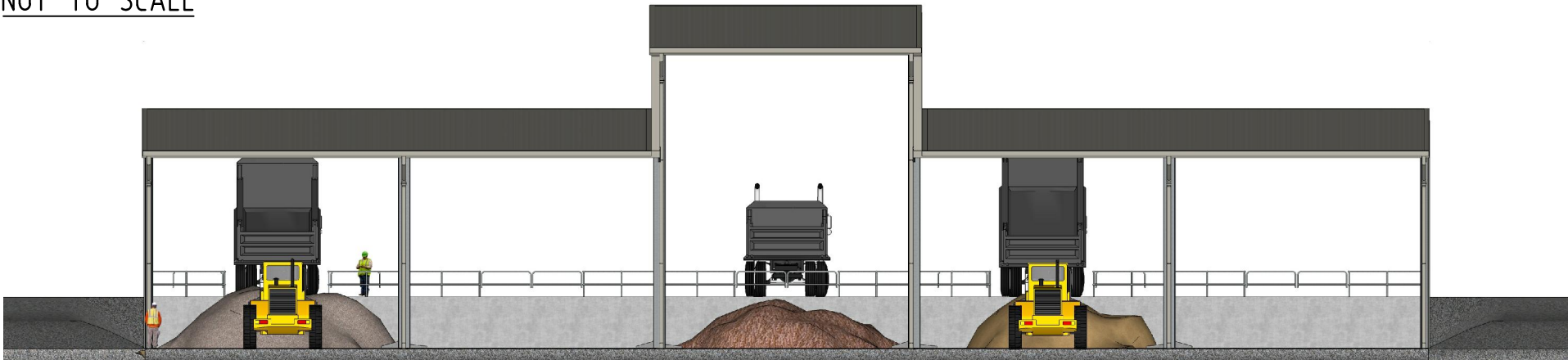
Job Number	Drawing No.	Revision
ML16180	SK-A-009	A



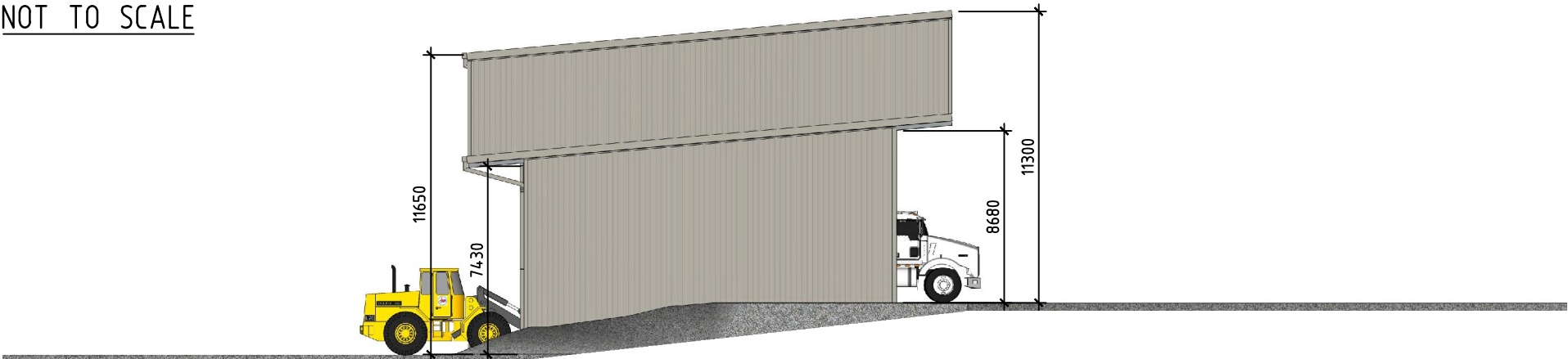
PROPOSED RECEIVING CANOPY ELEVATION 01  
NOT TO SCALE



PROPOSED RECEIVING CANOPY ELEVATION 02  
NOT TO SCALE



PROPOSED RECEIVING CANOPY ELEVATION 03  
NOT TO SCALE



PROPOSED RECEIVING CANOPY ELEVATION 04  
NOT TO SCALE

Tamworth Organic Recycling Centre

project

ML16180

project no.

2/09/2016

date

B. Cooper

author

Equipment and Storage Shed - Structural Prelim

sketch title

KMH


client

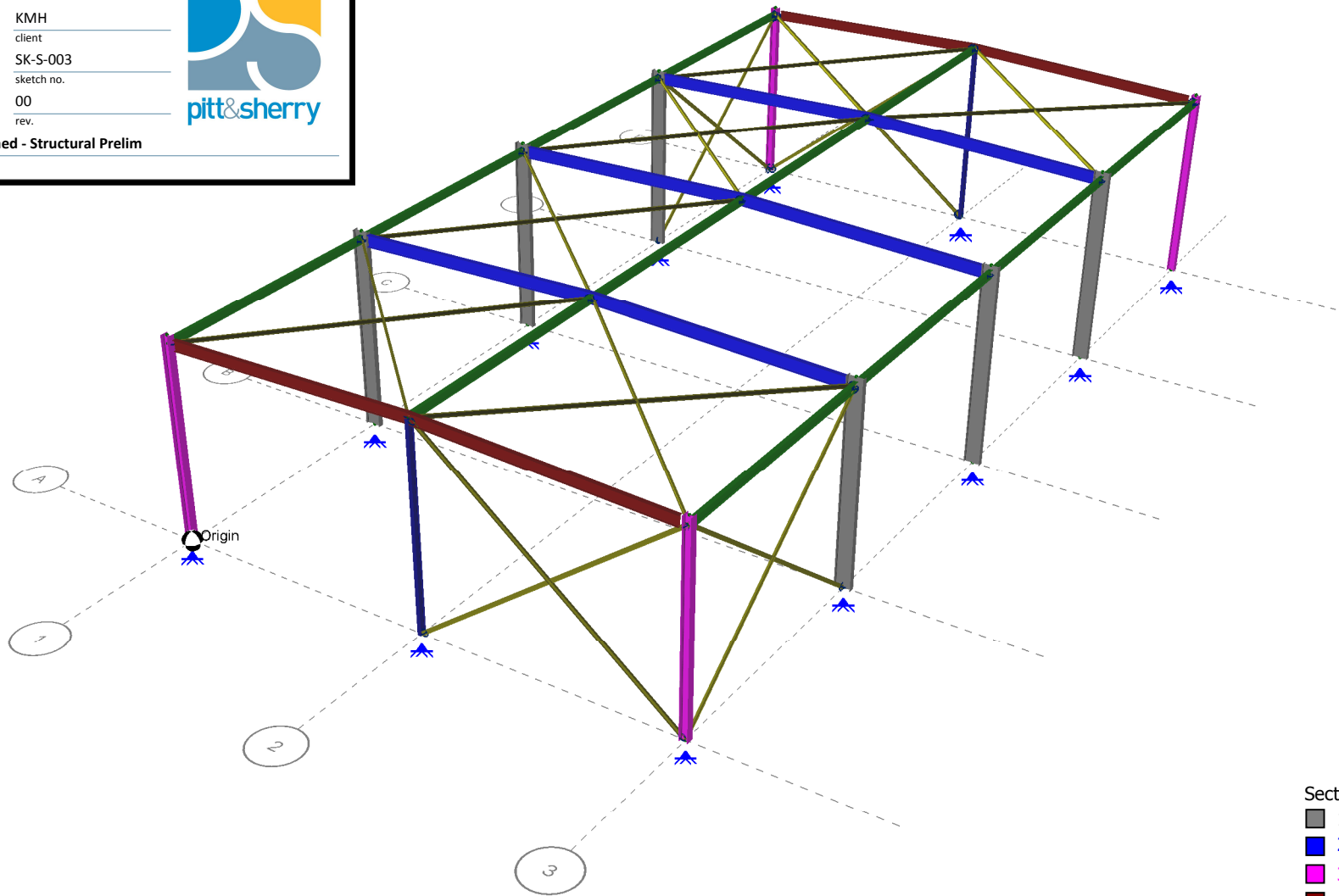
SK-S-003

sketch no.

00

rev.



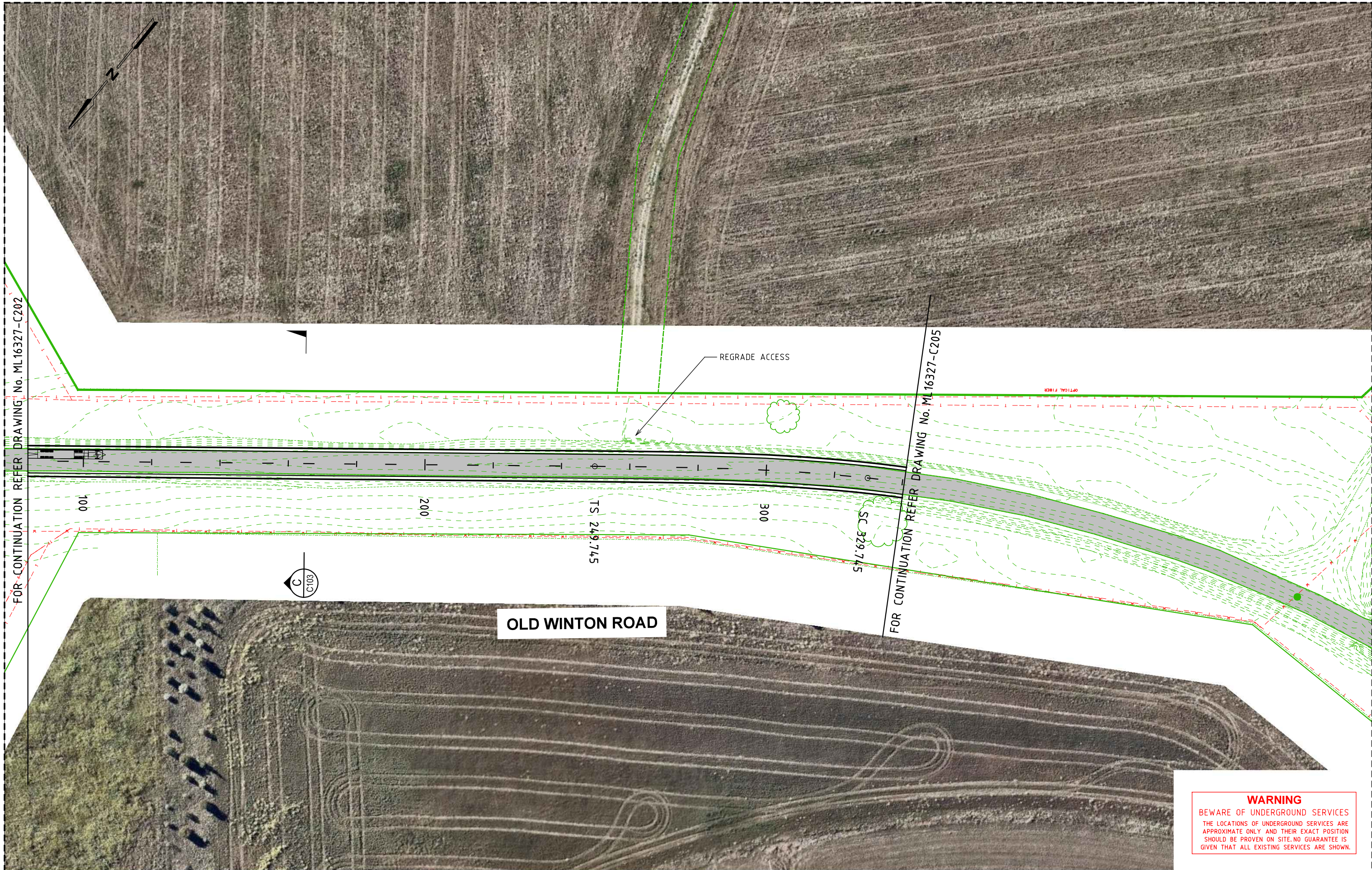



- Sections:
- 1 610 UB 125
  - 2 460 UB 82.1
  - 3 310 UC 96.8
  - 4 410 UB 53.7
  - 5 150 UB 14.0
  - 6 310 UB 46.2
  - 7 250 UB 31.4



Viewpoint (34,31)



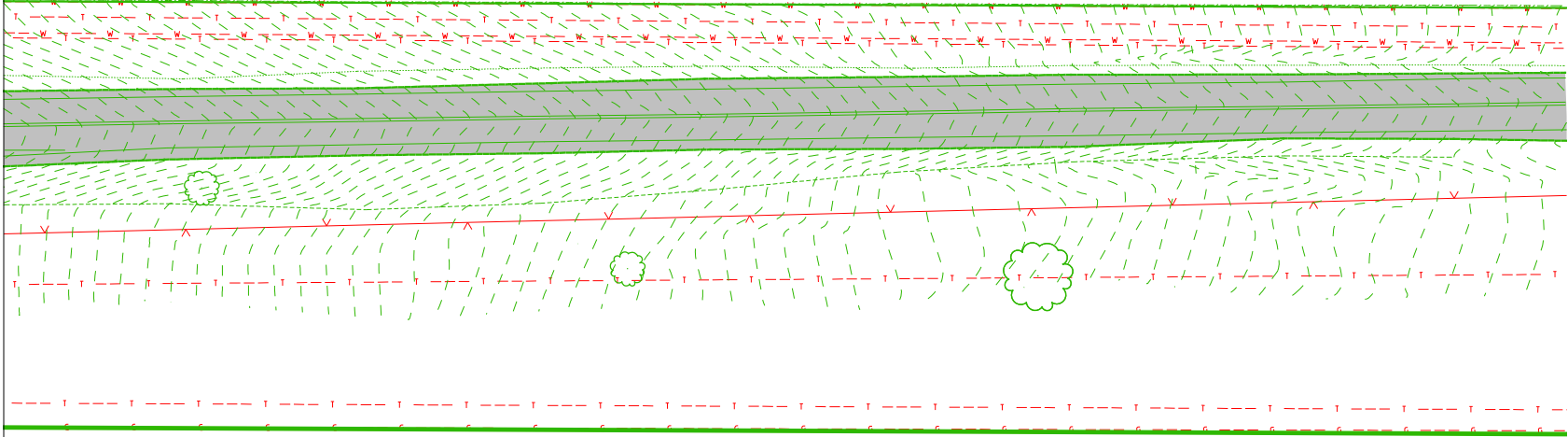


DRAWING REVISION HISTORY					APPROVED	SCALE 1:1000	SHEET SIZE A3	 MELBOURNE OFFICE HWIT Tower 40 City Road Southbank Victoria 3006 Ph. (03) 9682 5290 Fax. (03) 9682 5292 www.psh.com.au ABN 67 140 184 309	CLIENT TAMWORTH REGIONAL COUNCIL	PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DRAWING TITLE ALIGNMENT AND DRAINAGE PLAN SHEET 4	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE						DATUMS:	CLIENT No.
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16	ORIGINAL COPY ON FILE "e" SIGNED BY						
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16							
						SIGNED					DRAWING No.	REVISION
						DATE					ML16327-C204	1






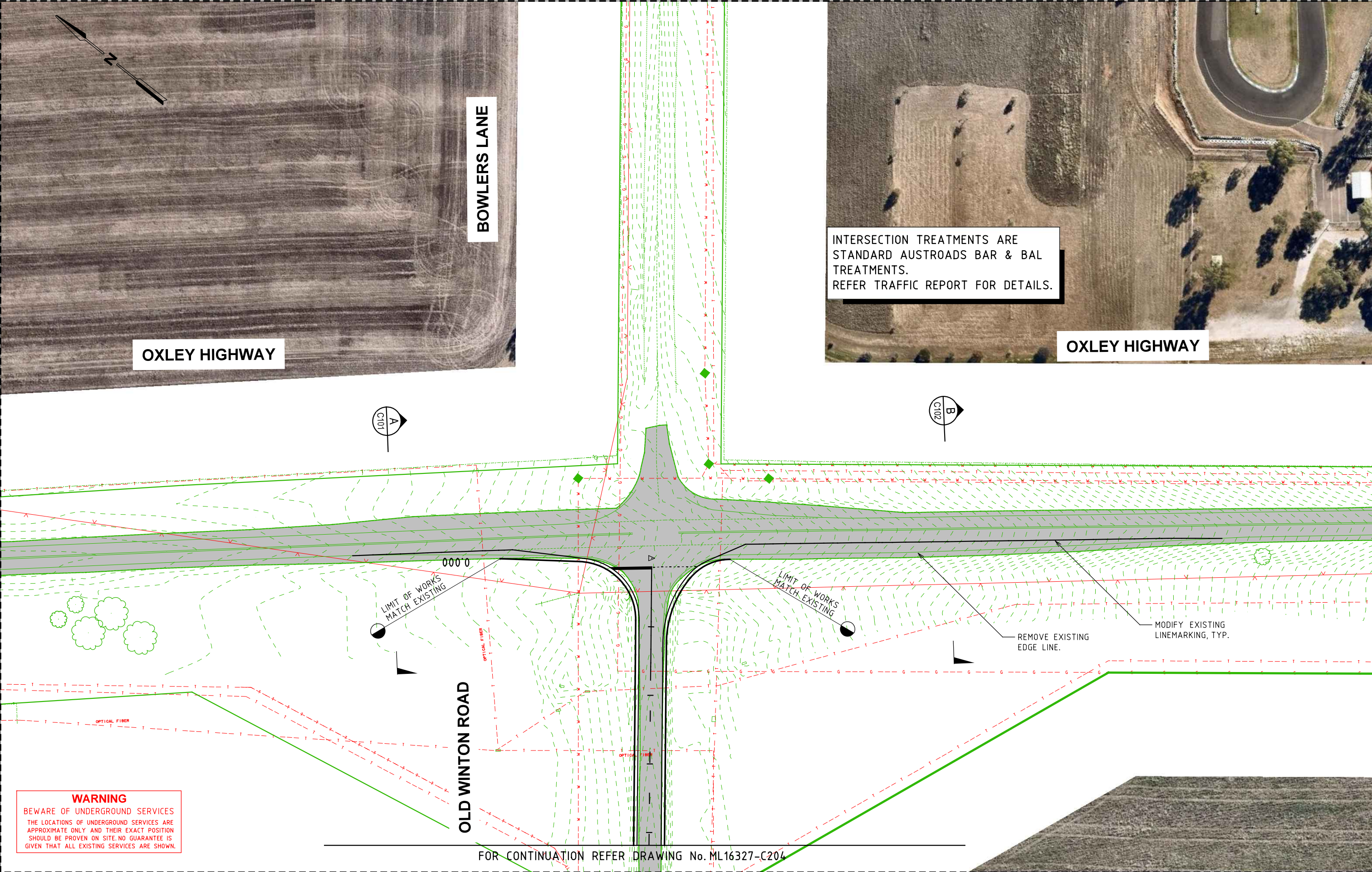
OXLEY HIGHWAY



**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.

DRAWING REVISION HISTORY					APPROVED	SCALE 1:1000	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.psh.com.au Victoria 3006 ABN 67 140 184 309	CLIENT	TAMWORTH REGIONAL COUNCIL	DRAWING TITLE	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE				PROJECT	ORGANIC RECYCLING FACILITY ROADS UPGRADE	ALIGNMENT AND DRAINAGE PLAN SHEET 3	
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16	ORIGINAL COPY ON FILE "e" SIGNED BY					DATUMS:	
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16						CLIENT No.	
						SIGNED					DRAWING No.	
											ML16327-C203	
						DATE					REVISION	
											1	






INTERSECTION TREATMENTS ARE  
STANDARD AUSTRROADS BAR & BAL  
TREATMENTS.  
REFER TRAFFIC REPORT FOR DETAILS.

**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.

FOR CONTINUATION REFER DRAWING No. ML16327-C204

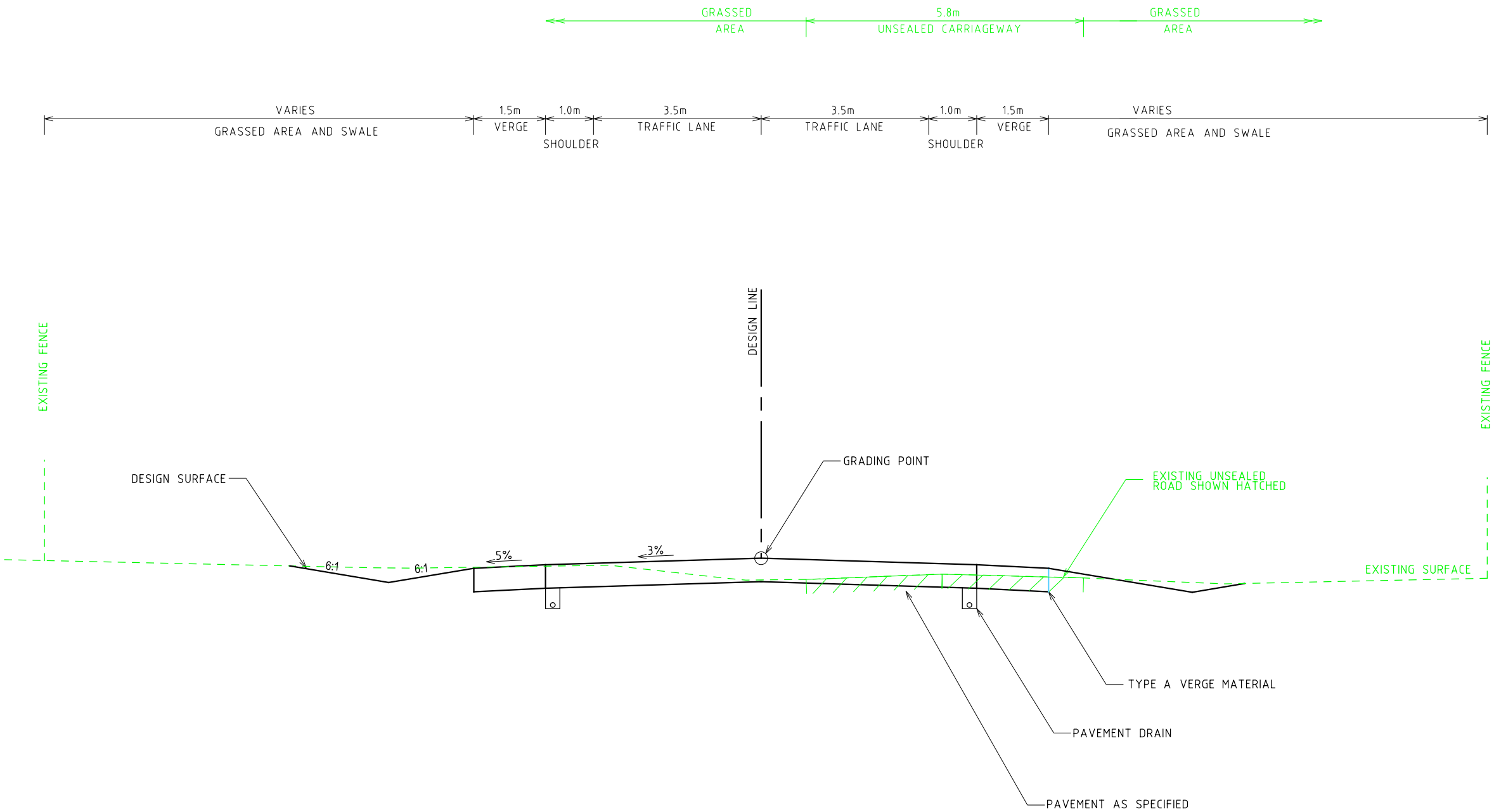
DRAWING REVISION HISTORY					APPROVED	SCALE 1:1000	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.psh.com.au Victoria 3006 ABN 67 140 184 309	CLIENT TAMWORTH REGIONAL COUNCIL	PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DRAWING TITLE ALIGNMENT AND DRAINAGE PLAN SHEET 2		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED							DATUMS:	CLIENT No.	
0	PRELIMINARY DESIGN	SH	JD	CJR	ORIGINAL COPY ON FILE "e" SIGNED BY								
1	PRELIMINARY DESIGN	SH	JD	CJR									
					SIGNED								
					DATE						DRAWING No.	ML16327-C202	REVISION 1





EXISTING  
CONDITIONS

DESIGN  
CONDITIONS



SECTION D  
1:100 C206

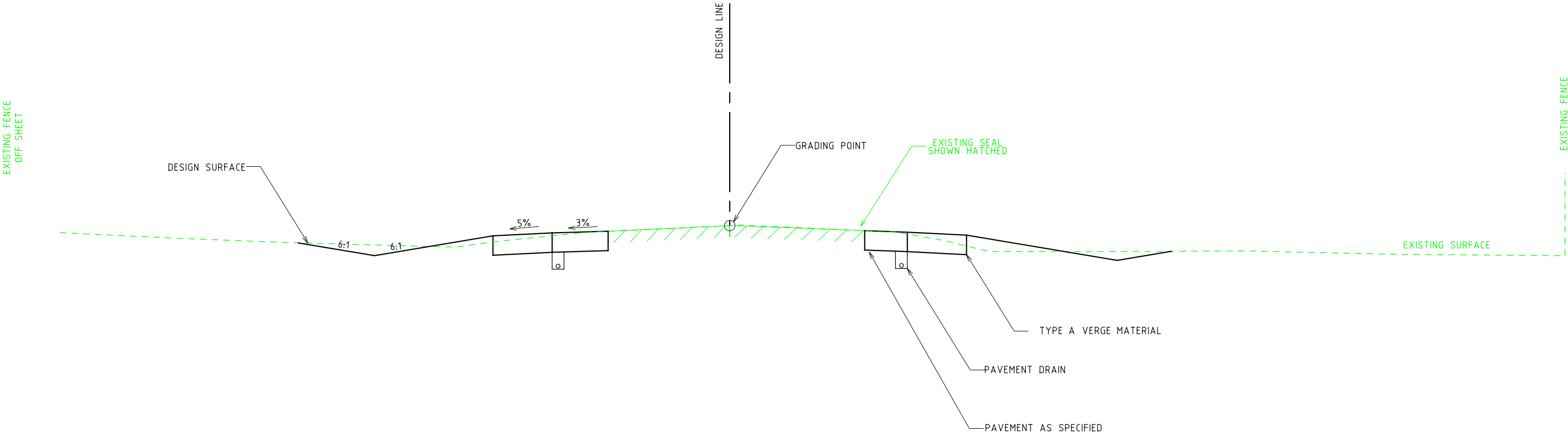
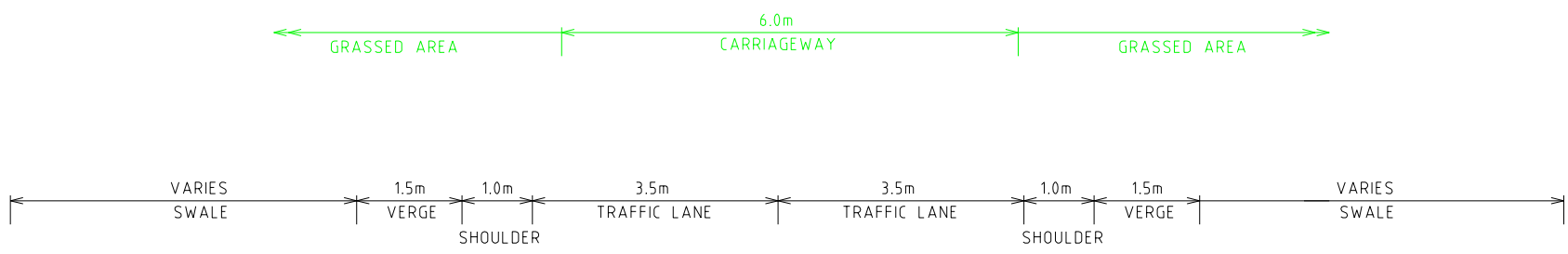
DURI-WALLAMORE ROAD  
VESTED IN COUNCIL

DRAWING REVISION HISTORY						APPROVED  ORIGINAL COPY ON FILE "e" SIGNED BY          SIGNED          DATE	SCALE 1:100	SHEET SIZE A3	<div><div><div><div></div><div></div></div><div><div>pitt&amp;sherry</div><div>MELBOURNE OFFICE HWT Tower 40 City Road Southbank Victoria 3006</div><div>Ph. (03) 9682 5290 Fax. (03) 9682 5292 www.pittsh.com.au ABN 67 140 184 309</div></div></div><div>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</div></div>	CLIENT TAMWORTH REGIONAL COUNCIL		DRAWING TITLE TYPICAL CROSS SECTIONS AND DETAILS SHEET 4		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE					PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DATUMS:		CLIENT No.	
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16						STATUS PRELIMINARY DESIGN	DRAWING No.		REVISION
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16					ML16327-C104		1		



EXISTING  
CONDITIONS


DESIGN  
CONDITIONS



SECTION  
1:100

C  
C204

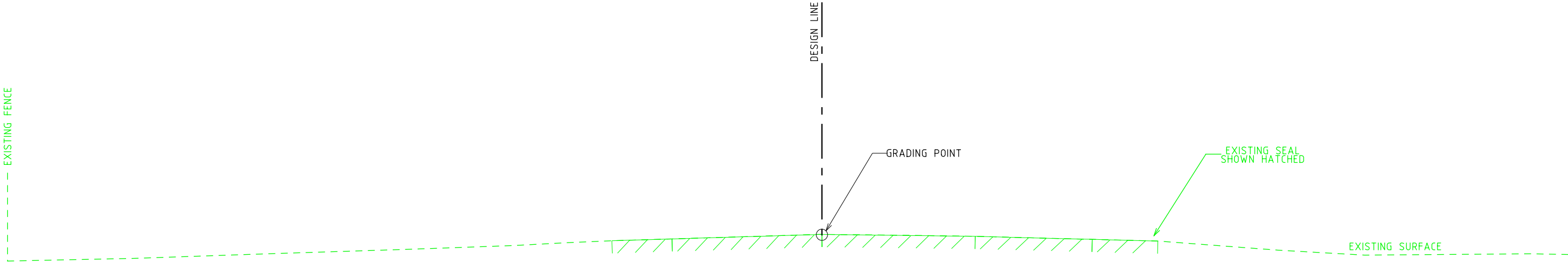
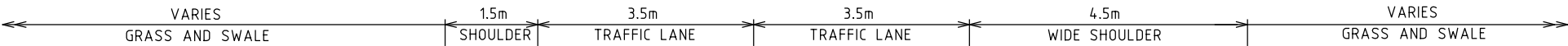
OLD WINTON ROAD  
VESTED IN COUNCIL

DRAWING REVISION HISTORY						APPROVED  ORIGINAL COPY ON FILE "e" SIGNED BY          SIGNED          DATE	SCALE 1:100	SHEET SIZE A3	<div><div></div><div>MELBOURNE OFFICE HWT Tower 40 City Road Southbank Victoria 3006</div><div>Ph. (03) 9682 5290 Fax. (03) 9682 5292 www.pittsh.com.au ABN 67 140 184 309</div></div> <div>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</div>	CLIENT	TAMWORTH REGIONAL COUNCIL			DRAWING TITLE			TYPICAL CROSS SECTIONS AND DETAILS		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE					PROJECT	ORGANIC RECYCLING FACILITY ROADS UPGRADE			SHEET 3					
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16					STATUS	PRELIMINARY DESIGN	DATUMS:		CLIENT No.					
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16							DRAWING No.		ML16327-C103		REVISION			
														1					

EXISTING  
CONDITIONS




DESIGN  
CONDITIONS



SECTION  
1:100










B  
C202

OXLEY HIGHWAY  
VESTED IN RMS

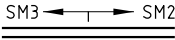


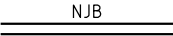

DRAWING REVISION HISTORY					APPROVED	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWY Tower 40 City Road Fax. (03) 9682 5292 Southbank www.psh.com.au Victoria 3006 ABN 67 140 184 309 <small>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</small>	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE TYPICAL CROSS SECTIONS AND DETAILS SHEET 2	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE			PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DATUMS:	CLIENT No.
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16	ORIGINAL COPY ON FILE "e" SIGNED BY				
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16					
						SIGNED				
						DATE			DRAWING No. ML16327-C102	REVISION 1











EXISTING SERVICES LEGEND

	EXISTING DRAINAGE PIT NUMBER
	EXISTING FIRE HYDRANT
	DRAIN
	SEWER
	WATER
	TELSTRA (UNDERGROUND)
	GAS
	ELECTRICITY (UNDERGROUND)
	ELECTRICITY (OVERHEAD)

GENERAL LEGEND

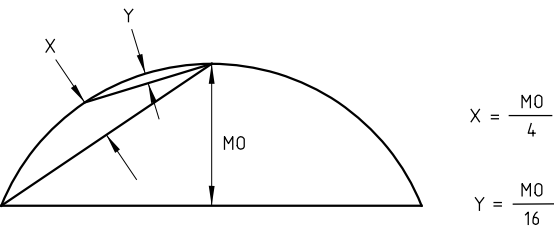
	KERB AND CHANNEL ( SD 2001 )
	BREAKAWAY CABLE TERMINAL (BCTA) REFER SD 3541 AND SD 3571
	BREAKAWAY CABLE TERMINAL (BCTB) REFER SD 3542
	CONCRETE BARRIER 700mm WIDTH REFER SD 3901D
	EXISTING SEALED PAVEMENT

DRAINAGE LEGEND

	DRAIN
	DRAINAGE PIT & PIT No.
	SUBSURFACE DRAINAGE PIT TYPE S2 REFER SD 1611A FOR DETAILS.
	FLUSHOUT RISER ( REFER SD 1631 )
	SUBSURFACE DRAIN
	CATCH DRAIN AT TOE OF BATTER (SD1531)
	GRASSED CATCH DRAIN - TYPE A (SD1521)
	GRASSED CATCH DRAIN - TYPE B (SD1531)

NOTES: SETOUT

- ALL COORDINATES ARE TO AMG ZONE 55  
AND REDUCED LEVELS ARE TO AHD.
- UNLESS NOTED OTHERWISE, SET OUT POINTS  
ARE TO LIP OF KERB OR FACE OF NJB.




CURVE SET-OUT DETAIL

NOTES: DRAINAGE

PIPE MATERIALS UNLESS NOTED OTHERWISE:

DRAINAGE PIPES 225mm AND LARGER	- RCP 2 RRJ
DRAINAGE PIPES 150mm AND SMALLER	- uPVC CLASS SH RRJ
SUBSURFACE DRAINS ( LONGITUDINAL )	- TYPE 3 ( SD 1601C ) - CATEGORY 1 PIPE WITH FILTER SOCK - CLASS A2 GRANULAR FILTER MATERIAL
SUBSURFACE DRAINS (TRANSVERSE AND UNDER ROADS)	- TYPE 2 ( SD 1601C ) - CATEGORY 1 PIPE - NO FINES CONCRETE FILTER MATERIAL

DRAWING REVISION HISTORY						APPROVED	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWIT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.psh.com.au Victoria 3006 ABN 67 140 184 309 <small>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</small>	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE SYMBOLS AND GENERAL NOTES		
No.	DESCRIPTION	DRAWN SH	DESIGNED JD	REVIEWED CJR	DATE 04/11/16				PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE			
0	PRELIMINARY DESIGN					ORIGINAL COPY ON FILE "e" SIGNED BY					DATUMS:	CLIENT No.
						SIGNED					DRAWING No. ML16327-C004	REVISION 0
						DATE						







## KEY CRITERIA FOR DESIGN

REFERENCE: AUSTRROADS GUIDE TO ROAD DESIGN PART 3: GEOMETRIC DESIGN U.N.O

GEOMETRY

### 1. DESIGN SPEED

DESIGN SPEED = V100

## 2. TYPICAL CROSS SECTION (ASSUME AADT= 1000-3000)

LANE WIDTHS	= 3.5m (TABLE 4.5)
SHOULDER WIDTHS	= 2.0m (TABLE 4.5)
MINIMUM SEALED SHOULDER	= 1.0m (TABLE 4.5)
VERGE SUPPORT WITH GUIDE POST	= 1.5m (TABLE 4.9)
VERGE WITH SAFETY BARRIERS	= 1.5m (TABLE 4.9)

## BATTER SLOPES (DESIRABLE)

- 4-6H : 1V CUT
- 4-6H : 1V FILL

### 3. SIGHT DISTANCE

CAR SSD = CAR ASD (FWY/HWY)	= 207m (TABLE 5.4, R <sub>t</sub> = 2.0 SEC)
CAR SSD = CAR ASD (RURAL ROADS)	= 165m (TABLE 5.4, R <sub>t</sub> = 2.0 SEC)
CAR SISD	= 248m (AGRD PART 4A, TABLE 3.2)

#### 4. HORIZONTAL ALIGNMENT

CURVES IN ACCORDANCE WITH FIGURE-7.6  
 SUPERELEVATION IN ACCORDANCE WITH FIGURE-7.6  
 SPIRALS WHERE  $R \geq 500\text{m}$  (TABLE 7.2)  
 MINIMUM SPIRAL LENGTH = 55m (TABLE 7.3)

## 5. VERTICAL ALIGNMENT

MAXIMUM GRADE	= 3-5% (TABLE 8.3, FLAT)
MINIMUM VERTICAL CURVE LENGTH	= 80m (TABLE 8.9)
MINIMUM SAG CURVATURE, K	= 16 (FIGURE 8.7)
MINIMUM CREST CURVATURE, K	= 95.7 (TABLE 8.7) - CAR STOPPING SIGHT DISTANCE (AGRD PART 4A; TABLE 3.1 K =124)

MINIMUM CREST CURVATURE, K	= 124.0 - APPROACH SIGHT DISTANCE (AGRD PART 4A, TABLE 3.2)
MINIMUM CREST CURVATURE, K	= 66.0 - INTERSECTION SIGHT DISTANCE (AGRD PART 4A, TABLE 3.2)

## DESIGN NOTES

1. ROAD GEOMETRY BASED ON CHARACTERISTICS OF CARS. TRUCKS DEEMED TO BE DRIVING 10 km/hr SLOWER AND NOT USED IN DESIGN (NORMAL APPROACH).

REFERENCE: TAMWORTH 34619-2016 SUBDIVISION GUIDELINES VERSION - DECEMBER 2014

GEOMETRY

### 1. DESIGN SPEED

DESIGN SPEED = V100

## 2. TYPICAL CROSS SECTION

LANE WIDTHS	= 3.5m (PART 2-TABLE B ROAD CLASSIFICATIONS AND FORMATION WIDTH, LOCAL,RU4)
MINIMUM SEALED SHOULDER	= 1.0m (TABLE 4.5)
VERGE SUPPORT WITH GUIDE POST	= 1.5m (TABLE 4.9)
VERGE WITH SAFETY BARRIERS	= 1.5m (TABLE 4.9)

## BATTER SLOPES

MAXIMUM CUT FILL 2H: 1V

### 3. SIGHT DISTANCE

IN ACCORDANCE WITH AGRD PART 3

#### 4. HORIZONTAL ALIGNMENT

MINIMUM RADIUS OF HORIZONTAL CURVES IN ACCORDANCE TABLE D

## 5. VERTICAL ALIGNMENT

MAXIMUM GRADE ON ARTERIAL ROADS	= 8% (PART 2-TABLE E)
MINIMUM GRADE ON ARTERIAL ROADS	= 1% (PART 2-TABLE E)
MAXIMUM GRADE ON OTHER ROADS	= 16% (PART 2-TABLE E)
MAXIMUM DISTANCE MAXIMUM GRADE	= 150m (PART 2-TABLE E)
MINIMUM GRADE ON OTHER ROADS	= 1% (PART 2-TABLE E)
MAXIMUM GRADE ADJACENT TO STREET INTERSECTION, LOCATION OF POOR VISIBILITY, HORIZONTAL CURVE OF 15m OR LESS	=10% (PART 2-TABLE E)

## 6. SUPER ELEVATION

SUPERELEVATION IN ACCORDANCE WITH AGRD PART 3 SECTION 7.7-SUPER

MAXIMUM SUPER ELEVATION OF CURVE IN BUILT UP AREA	=4.0%
MAXIMUM SUPER ELEVATION OF CURVE IN RURAL AREA	=7.0%

## 7. TABLE DRAIN

GUTTERS OR TABLE DRAINS ARE TO HAVE A MINIMUM GRADE  $\geq 1\%$   
WHERE TABLE DRAINS EXCEEDS 6% A CONCRETE LINED DRAIN  
SHALL BE REQUIRED IN ACCORDANCE WITH SD 6475

REFERENCE FILES:

## SURVEY

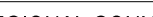
ML16327-X-AERIAL.dgn	AERIAL
2051C01-B.dwg	FEATURE SURVEY
ML16327-X-EXISTING_SERVICES.dgn	EXISTING SERVICES

PROJECT ML16180 (SITEWORKS DESIGN)	
2051C01-A.dwg	FEATURE SURVEY
ML16180-X-EXISTING_SERVICES.dgn	EXISTING SERVICES
ML16180-X-FUNCTIONAL LAYOUT.dgn	FUNCTIONAL LAYOUT

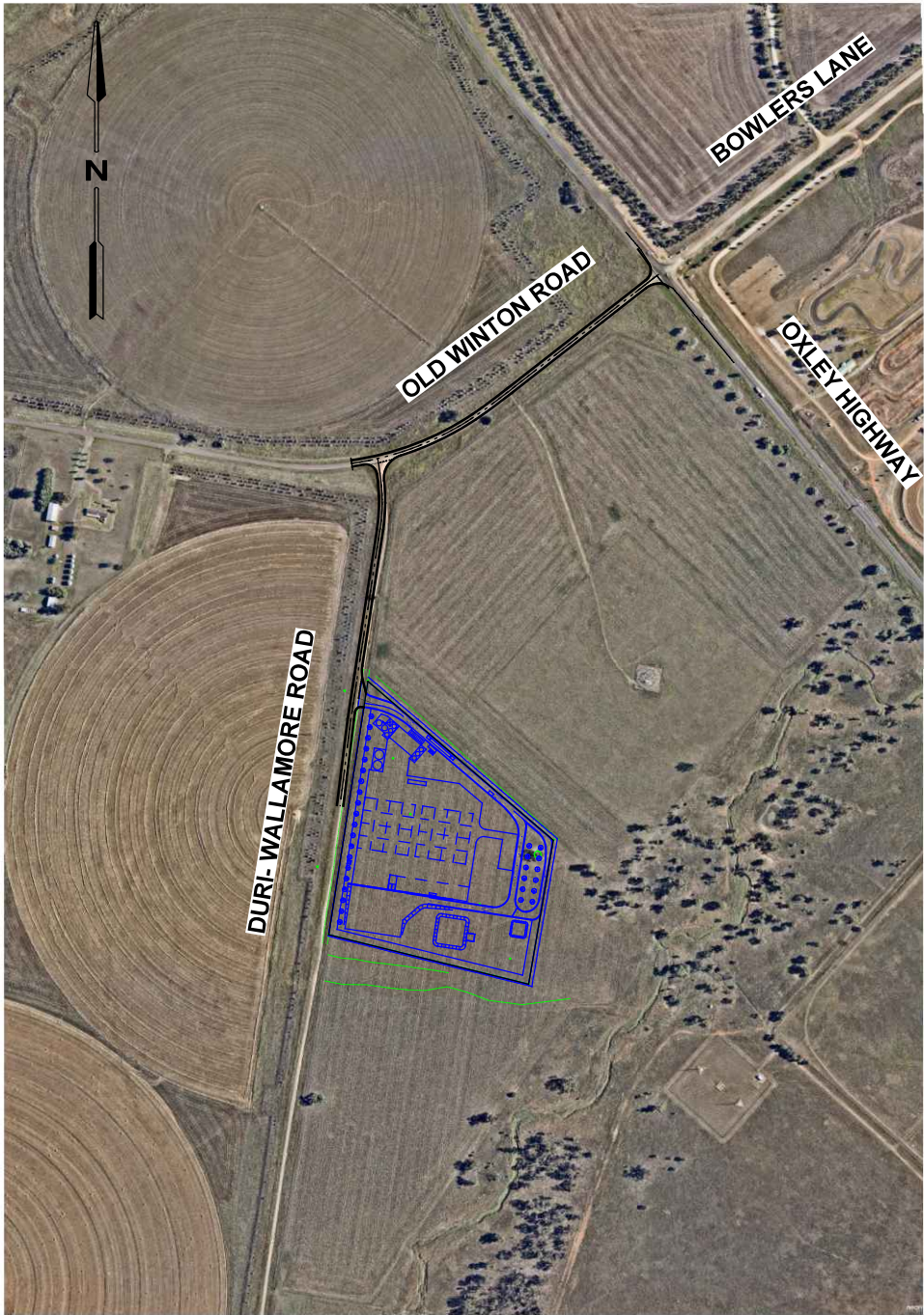
## DESIGN

PS_TB.dgn	TITLE BLOCK
ML16327-X-CONTOURS DESIGN.dgn	DESIGN CONTOURS
ML16327-X-FUNCTIONAL LAYOUT.dgn	FUNCTIONAL LAYOUT
ML16327-X-CHAINAGE.dgn	CHAINAGE STATION
ML16327-X-PAVEMENT.dgn	PAVEMENT AREAS
ML16327-X-DRAINAGE LAYOUT.dgn	DRAINAGE LAYOUT
ML16327-X-SITE BDY	SITE BOUNDARY
ML16327-X-TRUCK PATHS	TRUCK TURNING PATHS
ML16327-X-SETOUT POINTS.dgn	SETOUT POINTS
DESIGN MODEL	

EXISTING SURFACE.DTM	DIGITAL TERRAIN MODEL
DESIGN SURFACE.DTM	DESIGN SURFACE
TAMWORTH.ALG	GEOMETRIC FILE

DRAWING REVISION HISTORY						SHEET SIZE A3	<div><div>MELBOURNE OFFICE Ph: (03) 9682 5290 Fax: (03) 9692 5292 www.pittsherry.com.au Victoria 3006 ABN 67 140 184 309</div></div> <div>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</div>	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE COMPUTER FILES & DESIGN CRITERIA		
No.	DESCRIPTION	DRAWN SH	DESIGNED JD	REVIEWED CJR	DATE 04/11/16			PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DATUMS:	CLIENT No.	
0	PRELIMINARY DESIGN					ORIGINAL COPY ON FILE "e" SIGNED BY					
						SIGNED					
						DATE					
							STATUS PRELIMINARY DESIGN	DRAWING No. ML16327-C002	REVISION 0		

TAMWORTH REGIONAL COUNCIL  
ORGANIC RECYCLING FACILITY  
ROADS UPGRADE

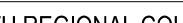


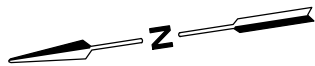
DRAWING SCHEDULE

ML16327-C001	COVER SHEET & DRAWING SCHEDULE
ML16327-C002	COMPUTER FILES & DESIGN CRITERIA
ML16327-C003	KEY PLAN
ML16327-C004	SYMBOLS & GENERAL NOTES
ML16327-C101	CROSS SECTIONS & DETAILS - SHEET 1
ML16327-C102	CROSS SECTIONS & DETAILS - SHEET 2
ML16327-C103	CROSS SECTIONS & DETAILS - SHEET 3
ML16327-C104	CROSS SECTIONS & DETAILS - SHEET 4
ML16327-C201	ALIGNMENT & DRAINAGE PLAN - SHEET 1
ML16327-C202	ALIGNMENT & DRAINAGE PLAN - SHEET 2
ML16327-C203	ALIGNMENT & DRAINAGE PLAN - SHEET 3
ML16327-C204	ALIGNMENT & DRAINAGE PLAN - SHEET 4
ML16327-C205	ALIGNMENT & DRAINAGE PLAN - SHEET 5
ML16327-C206	ALIGNMENT & DRAINAGE PLAN - SHEET 6
ML16327-C301	TURNING PATHS - OXLEY HWY/OLD WINTON RD INTERSECTION
ML16327-C302	TURNING PATHS - OLD WINTON RD/DURI-WALLAMORE RD ACCESS
ML16327-C303	TURNING PATHS - DURI-WALLAMORE RD ACCESS

TRAFFIC REPORT

ML16180H001	TAMWORTH REGIONAL COUNCIL ORGANIC RECYCLING FACILITY DURI-WALLAMORE ROAD, TAMWORTH TRAFFIC IMPACT ASSESSMENT REV 00
-------------	--


DRAWING REVISION HISTORY						APPROVED  ORIGINAL COPY ON FILE "e" SIGNED BY          SIGNED          DATE	SCALE 1:10,000	SHEET SIZE A3	 <div><div><b>pitt&amp;sherry</b></div><div>MELBOURNE OFFICE HWT Tower 40 City Road Southbank Victoria 3006</div><div>Ph. (03) 9682 5290 Fax. (03) 9682 5292 www.pittsh.com.au ABN 67 140 184 309</div></div> <div><small>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</small></div>	CLIENT TAMWORTH REGIONAL COUNCIL	DRAWING TITLE COVER SHEET & DRAWING SCHEDULE			
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE					PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DATUMS:		CLIENT No.	
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16									
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16									



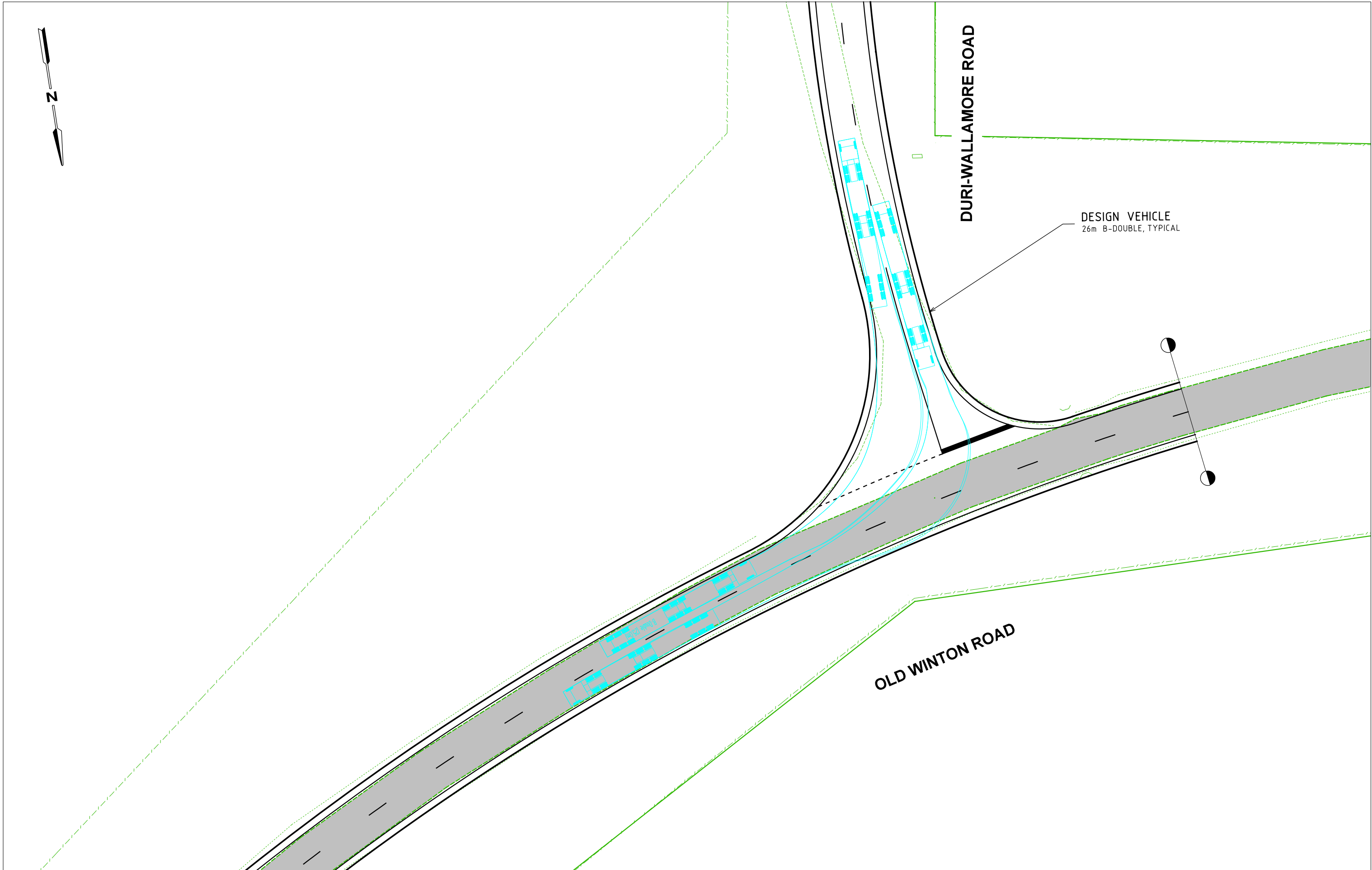
ORGANIC RECYCLING FACILITY  
SITEWORKS SHOWN BLUE

DURI-WALLAMORE ROAD

DESIGN VEHICLE  
26m B-DOUBLE, TYPICAL

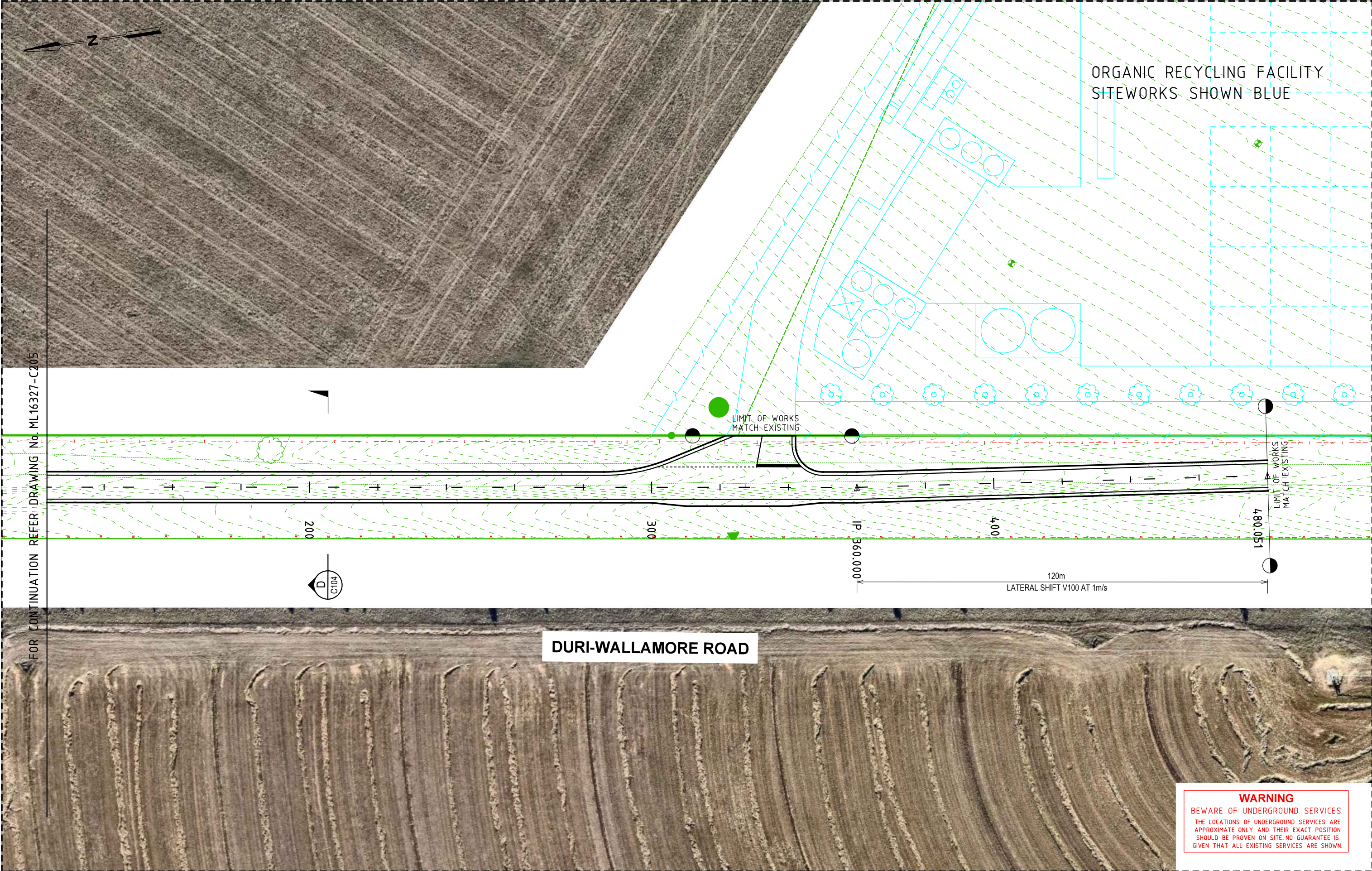
DRAWING REVISION HISTORY					APPROVED	SCALE 1:500	SHEET SIZE A3	 <div><div><b>pitt&amp;sherry</b></div><div>MELBOURNE OFFICE HWIT Tower 40 City Road Southbank Victoria 3006</div><div>Ph. (03) 9682 5290 Fax. (03) 9682 5292 www.psh.com.au ABN 67 140 184 309</div></div>	CLIENT TAMWORTH REGIONAL COUNCIL		DRAWING TITLE TRUCK TURNING PATHS DURI-WALLAMORE RD ACCESS	
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE				PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	STATUS PRELIMINARY DESIGN	DATUMS:	CLIENT No.
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16	ORIGINAL COPY ON FILE "e" SIGNED BY						
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16							
						SIGNED					DRAWING No.	REVISION
						DATE					ML16327-C303	1



[illegible]







FOR CONTINUATION REFER DRAWING No. ML16327-C205

DURI-WALLAMORE ROAD


ORGANIC RECYCLING FACILITY  
SITEWORKS SHOWN BLUE

LIMIT OF WORKS  
MATCH EXISTING

LIMIT OF WORKS  
MATCH EXISTING

120m  
LATERAL SHIFT V100 AT 1m/s

**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.

DRAWING REVISION HISTORY					APPROVED	SCALE 1:1000	SHEET SIZE A3	 MELBOURNE OFFICE Ph. (03) 9682 5290 HWIT Tower 40 City Road Fax. (03) 9682 5292 Southbank www.psherry.com.au Victoria 3006 ABN 67 140 184 309	CLIENT TAMWORTH REGIONAL COUNCIL	PROJECT ORGANIC RECYCLING FACILITY ROADS UPGRADE	DRAWING TITLE ALIGNMENT AND DRAINAGE PLAN SHEET 6
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE						
0	PRELIMINARY DESIGN	SH	JD	CJR	04/11/16	ORIGINAL COPY ON FILE "e" SIGNED BY					
1	PRELIMINARY DESIGN	SH	JD	CJR	22/11/16						
						SIGNED					
						DATE					

DATUMS:		CLIENT No.	
DRAWING No.	ML16327-C206	REVISION	1







SCOPE OF WORK:

SUPPLY, INSTALLATION AND TESTING OF RECLAIM WATER SYSTEM SERVICES AS DETAILED IN THIS DOCUMENT AND IN ACCORDANCE WITH CONDITIONS OF CONTRACT.

THE CONTRACTOR SHALL:

- PROVIDE FOR ALL NEW MATERIALS.
- PROVIDE ALL LABOUR, POWER, CARTAGE, TOOLS, PLANT ETC REQUIRED TO COMPLETE THE INSTALLATION.
- INCLUDE ALL MINOR AND INCIDENTAL WORK NECESSARY THOUGH NOT SPECIFICALLY MENTIONED HEREIN TO COMPLETE THE SERVICES TO THE TRUE INTENT AND MEANING OF THIS DRAWING.

THE WORK WILL BE COMPLETED TO THE ENTIRE SATISFACTION OF THE SUPERINTENDENT.

THE WORK COMPRISES:

1. INSTALL 150mm BRANCH CONNECTION WITH ISOLATION VALVE INTO THE 450mm. RECLAIM WATER RISING MAIN AFTER DIVERTING THE 450mm PIPE ABOVE GROUND.
2. PROVIDE A 2m CYCLONE FENCE AROUND ABOVE GROUND RECLAIM WATER MAIN. ENSURE THERE IS SUFFICIENT ROOM WITHIN THE ENCLOSE FOR MAINTENANCE AND INCLUDE A LOCKABLE PEDESTRIAN DOOR.
3. SUPPLY AND INSTALL FLOW TRANSMITTER IN THE RECLAIM WATER RISING MAIN. SUPPLY AND INSTALL "PUMP SHED" WITH A LOCKABLE DOOR WITH SUFFICIENT SIZE TO ALLOW THE EQUIPMENT TO BE REMOVED FOR MAINTENANCE. THE SHED WILL HAVE A CONCRETE FLOOR AND WILL HOUSE THE PUMP P1 AND ASSOCIATED VALVES AND CONTROLS.
4. SUPPLY AND INSTALL LOCAL ELECTRICAL CABINET IN PUMP SHED.
5. SUPPLY AND INSTALL CONCRETE PIT IN LEACHATE DAM.
6. SUPPLY AND INSTALL TWO OFF RECLAIM WATER TANKS EACH WITH AN EFFECTIVE WATER CAPACITY OF 165,000 LITRES EACH.
7. SUPPLY AND INSTALL INTERCONNECTING PIPEWORK AND VALVES BETWEEN THE RECLAIM WATER TANKS.
8. SUPPLY AND INSTALL ALL RETICULATION PIPEWORK, VALVES AND PUMPS AS INDICATED ON RECLAIM WATER SCHEMATIC DRAWING ML16327-SKH500.
9. SUPPLY AND INSTALL FLOAT ISOLATION VALVES IN EACH OF THE RECLAIM WATER TANKS.
10. SUPPLY AND INSTALL LEVEL TRANSMITTERS IN LEACHATE DAM PIT AND EACH OF THE RECLAIM WATER TANKS.
11. SUPPLY AND INSTALL DISCHARGE PIPE WORK, PUMP AND VALVES TO RECLAIM WATER TANKS.
12. SUPPLY AND INSTALL UV WATER FILTRATION EQUIPMENT, BYPASS PIPEWORK AND VALVES.
13. CONNECT RECLAIM WATER LINE FROM UV FILTER TO TRUCK WHEEL WASH (SUPPLIED BY OTHERS).
14. SUPPLY ALL ELECTRICAL WIRING, ELECTRICAL PANELS, AND CONTROLS TO OPERATE THE RECLAIM WATER SYSTEM.
15. CO-ORDINATION WITH ALL OTHERS DURING INSTALLATION.
16. SHOP DRAWINGS, AS 'INSTALLED' AND OPERATING AND MAINTENANCE MANUALS.

INSTALLATION:

PIPE WORK: TO MANUFACTURES RECOMMENDATIONS AND AS3500.  
ELECTRICAL: TO AS3000.  
CONTROLS: INDICATED ON THE DRAWING AND IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS.

REFERENCE FILES ATTACHED:


DRAWING REVISION HISTORY					APPROVED	SCALE (PLOTTED FULL SIZE)	AS SHOWN (A3)	SHEET SIZE A3	<div><div>MELBOURNE OFFICE Ph (03) 9682 5290 HWT Tower 40 City Road Fax (03) 9682 5252 Southbank www.pittsh.com.au Victoria 3006 ABN 67 140 184 309</div><div>© 2010 PITT &amp; SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT &amp; SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR WHICH IT WAS COMMISSIONED AND IN UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.</div></div>	CLIENT TAMWORTH REGIONAL COUNCIL		DRAWING TITLE		
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED						DATE	PROJECT		GENERAL NOTES	
											ORGANIC RECYCLING FACILITY			
											STATUS		PRELIMINARY	
SIGNED										DATUMS: AHD / MGA		CLIENT No. -		
DATE										DRAWING No. ML16327-H003		REVISION A		
										Nov 16 16 - 12:33:39 Name: ML16327-H003.dwg Updated By: Nishal Wimalawansa				

TABLE OF CONTENTS		
DRAWING NUMBER	REV	DESCRIPTION
ML16327-H001	A	COVER SHEET - SITE LOCATION PLAN
ML16327-H002	B	SHEET INDEX
ML16327-H003	A	GENERAL NOTES
ML16327-H004	A	EQUIPMENT SCHEDULE
ML16327-H010	B	RECLAIM WATER SITE LAYOUT
ML16327-H500	A	RECLAIM WATER SCHEMATIC



# TAMWORTH ORGANIC RECYCLING FACILITY

## RECLAIM WATER DESIGN



REFERENCE FILES ATTACHED:

DRAWING REVISION HISTORY					
No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE

APPROVED
ORIGINAL COPY ON FILE "e" SIGNED BY
SIGNED
DATE

SCALE  
(PLOTTED FULL SIZE)

AS SHOWN (A3)

SHEET SIZE  
A3

**pitt&sherry**

MELBOURNE OFFICE  
HWT Tower 40 City Road  
Southbank  
Victoria 3006  
Ph. (03) 9682 5290  
Fax. (03) 9682 5292  
www.pittsh.com.au  
ABN 67 140 184 309

© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.

CLIENT	TAMWORTH REGIONAL COUNCIL
PROJECT	ORGANIC RECYCLING FACILITY
STATUS	PRELIMINARY

DRAWING TITLE COVER SHEET SITE LOCATION PLAN		
DATUMS:	AHD / MGA	CLIENT No.
DRAWING No.	ML16327-H001	REVISION A
Nov. 16, 16 - 12:32:21 Name: ML16327-H001.dwg Updated By: Nishal Wimalawansa		

P1 IS A PRESSURE CONTROLLED PUMP.  
V1 IS A MOTORISED VALVE THAT IS NORMALLY CLOSED.  
P2 IS A PRESSURE CONTROLLED PUMP.  
M1 IS A WATER METER.

1. P1 IS OFF
2. V1 IS CLOSED

1. FLOW IN RISING MAIN CONFIRMED
2. V1 CONFIRMED OPEN

1. P1 IS TURNED OFF
2. V1 IS CLOSED
3. NOTE P1 MUST BE OFF BEFORE V1 IS CLOSED


1. THE WATER LEVEL IN THE RECLAIM WATER TANK IS 500MM (ADJUSTABLE) ABOVE VORTEX LEVEL OF THE TANK OUTLET.
2. THE PRESSURE IN THE PIPE LINE DROPS BELOW THE PRE-SET VALUE OF THE PUMP PACKAGE.

UV FILTER:  
THE UV FILTER WILL OPERATE USING THE CONTROLS PROVIDED WITH THE UNIT.

[illegible]

APPROVED
ORIGINAL COPY ON FILE
"e" SIGNED BY
SIGNED
DATE

AS SHOWN (A3)



**pitt&sherry**

MELBOURNE OFFICE  
HWT Tower 40 City Road  
Southbank  
Victoria 3006

Ph. (03) 9682 5290  
Fax: (03) 9682 5292  
[www.pittsh.com.au](http://www.pittsh.com.au)  
ABN 67 140 184 31

© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION. UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.

CLIENT	TAMWORTH REGIONAL COUNCIL
PROJECT	ORGANIC RECYCLING FACILITY
STATUS	PRELIMINARY

DRAWING TITLE		<h1 style="text-align: center;">RECLAIM WATER SCHEMATIC</h1>	
DATUMS: AHD / MGA			
DRAWING No.	ML16327-H500	REVISION	A
Nov. 16, 16 - 12:37:04 Name: ML16327-H500.dwg Updated By: Nishal Wimalawansa			





MATERIALS:

PIPE WORK BELOW GROUND: PE 100 ALL IN ACCORDANCE WITH AS/NZ 4130.  
PIPEWORK ABOVE GROUND: PE 100 ALL IN ACCORDANCE WITH AS/NZ 4130.

CONTROLS: SCADA CONTROL SYSTEM USING DANFOSS, OR SIEMENS, OR ALLEN BRADLEY. ALL EXTERNAL SENSORS TO BE IP65 RATED.

MISCELLANIOUS ITEMS			
Description	Manufacture	Model No	Remarks
UV Water Filter	Southland orequal	UV - HE - 12	70 watt tube
Water Meter	Krohne orequal	Optiflex 10 00	c/w signal converter to be compatable to site control system. For more information refer to drawing notes
Reclaim Water Tanks	Tasman	16.5 kLitre	7.5m dia., 4.13m high. Colourbond steel construction.
Level Transmitter	Allen Bradley or similar		Compatible with site control systems

PUMPS - WATER		
EQUIPMENT No	P-01	P-02
MAKE	GRUNDFOS	GRUNDFOS
TYPE (LONG COUPLED, END SUCTION, IN-LINE)	IN - LINE	IN - LINE
MODEL No.	Hydro MPC-E2 CRE	Hydro MPC-E2 CRE
DUTY (L/s @ kPa)	14 / 450	1.3 / 260
WATER TEMP FLOW °C / RETURN °C	35 °C	35 °C
MOTOR (kW)	2 @ 7.5 kW 3ø	2 @ 0.75 kW 3ø
ELECTRICAL DISTRIBUTION BOARD		
COMMENTS	Reclaim Water	Reclaim Water
contractors are to verify the pump heads against the proposed pipe work layout.		
All pump motors are to be IP65 rated		
All seals to be BUNA-N orequal		

VALVE SCHEDULE								
ID	Description	Location	Type	Seals	Manufacture	Size mm	Actuator	Remarks
V 1	Organic Recycling Facility Isolation Valve	At Reclaim Water Rising Main	Resilient Butterfly valve series 30131	BUNA N seal	Bray or Similar	150	Manual	Nylon coated ductile iron blade
V 2	Control Valve	Next to Leachate Dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	150	Electric motor	Nylon coated ductile iron blade
V 3	Isolation Valve for Pump P1	Next to Leachate Dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	150	Manual	Nylon coated ductile iron blade
V 4	Isolation Valve for Pump P1	Next to Leachate Dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	150	Manual	Nylon coated ductile iron blade
V 5	Check valve for pump P1	Next to Leachate Dam	Ritepro Check Rite valve model 210	Viton seal	Bray	100	Manual	316 L stainless steel flap
V 6	Isolation valve for branch to reclaim tanks	Next to Leachate Dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	100	Manual	Nylon coated ductile iron blade
V 7	Isolation valve for branch to leachate Dam	Next to Leachate Dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	100	Manual	Nylon coated ductile iron blade
V 8	Isolation Valve to Reclaim Tank 1	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	100	Manual	Nylon coated ductile iron blade
V 9	Isolation Valve between reclaim tanks	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	150	Manual	Nylon coated ductile iron blade
V 10	Isolation Valve to Reclaim Tank 2	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	100	Manual	Nylon coated ductile iron blade
V 11	Isolation valve to pump P2	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	100	Manual	Nylon coated ductile iron blade
V 12	Isolation valve to pump P2	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	50	Manual	Nylon coated ductile iron blade
V 13	Isolation valve to UV filter	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	50	Manual	Nylon coated ductile iron blade
V 14	Isolation valve to UV filter	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	50	Manual	Nylon coated ductile iron blade
V 15	Bypass valve to UV filter	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	50	Manual	Nylon coated ductile iron blade
V 16	Isolation valve to process sprays	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	Bray	50	Manual	Nylon coated ductile iron blade
V 17	Isolation valve to truck wash	Reclaim tanks	Resilient Butterfly valve series 30131	BUNA N seal	BRAY	50	Manual	Nylon coated ductile iron blade
V 18	Isolation valve from Leachate Dam	Leachate dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	150	Manual	Nylon coated ductile iron blade
V 19	Control Valve	Leachate dam	Resilient Butterfly valve series 30131	BUNA N seal	Bray	100	electric motor	Nylon coated ductile iron blade

REFERENCE FILES ATTACHED:

DRAWING REVISION HISTORY

No.	DESCRIPTION	DRAWN	DESIGNED	REVIEWED	DATE

APPROVED

ORIGINAL COPY ON FILE "e" SIGNED BY

SIGNED

DATE

SCALE (PLOTTED FULL SIZE)

AS SHOWN (A3)

SHEET SIZE A3

MELBOURNE OFFICE

HWT Tower 40 City Road

Southbank

Victoria 3006

Ph. (03) 9682 5290

Fax. (03) 9682 5292

www.pittsh.com.au

ABN 67 140 154 309

© 2010 PITT & SHERRY. THIS DOCUMENT IS AND SHALL REMAIN THE PROPERTY OF PITT & SHERRY. THE DOCUMENT MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR THE COMMISSION.

UNAUTHORISED USE OF THIS DOCUMENT IN ANY FORM IS PROHIBITED.

CLIENT

TAMWORTH REGIONAL COUNCIL

PROJECT

ORGANIC RECYCLING FACILITY

STATUS

PRELIMINARY

DRAWING TITLE

EQUIPMENT SCHEDULE

DATUMS:

AHD / MGA

CLIENT No.

-

DRAWING No.

ML16327-H004

REVISION

A

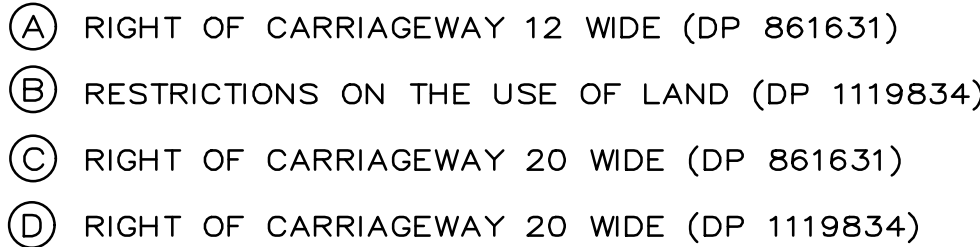
Nov. 16, 16 - 12:34:16 Name: ML16327-H004.dwg Updated By: Nishal Wimalawansa

## Appendix B






### Site Survey

---



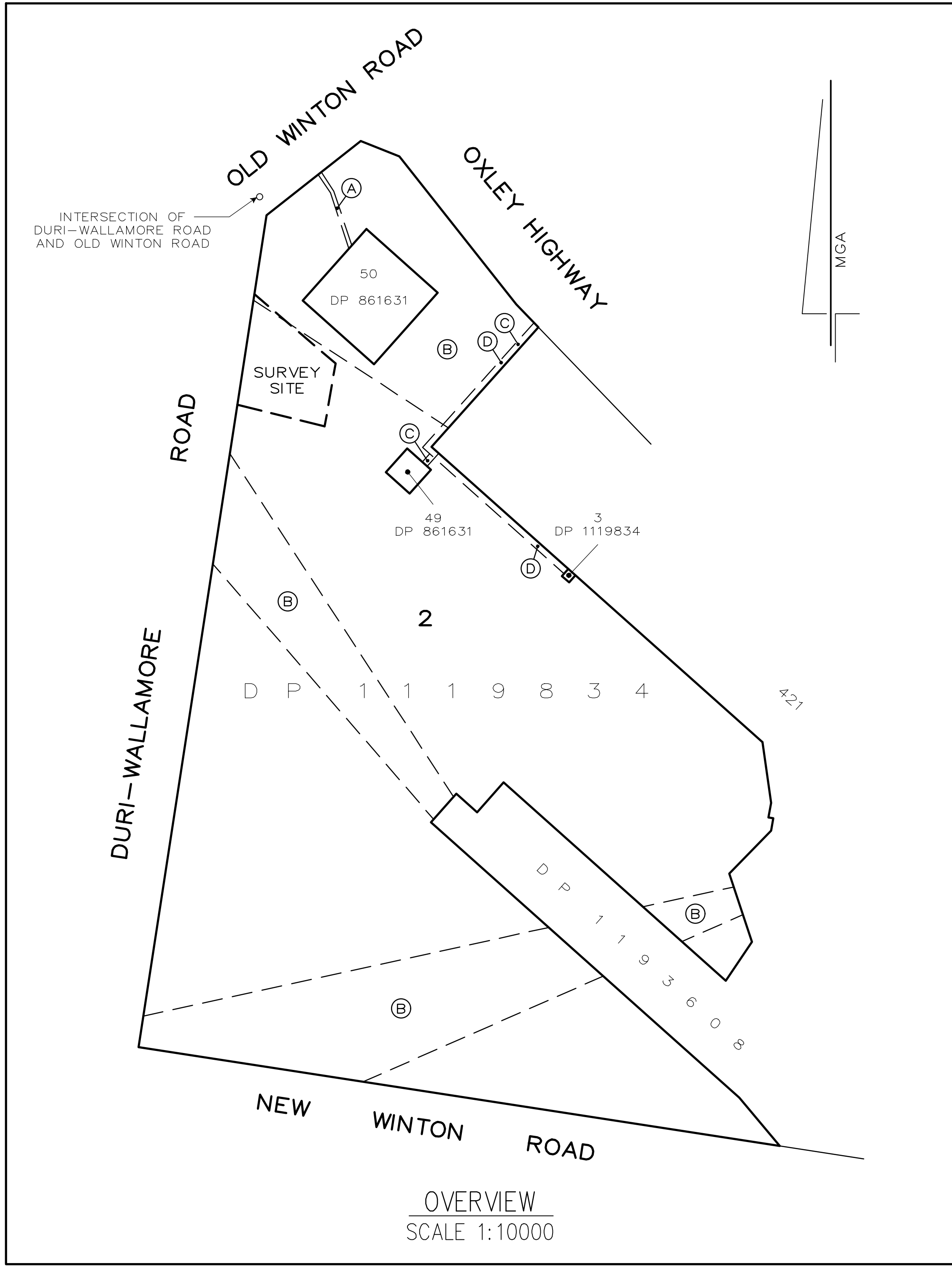


LINETYPES AND SYMBOLS:

- |   |   |                                |
|---|---|--------------------------------|
|  | — | EDGE OF WATERCOURSE            |
|  | — | POST AND WIRE FENCE            |
|  | — | EDGE OF GRAVEL                 |
|  | — | OPTIC FIBRE                    |
|  | — | TREE (SPREAD APPROX. TO SCALE) |

NOTES:

1. NO BOUNDARY SURVEY HAS BEEN MADE.
2. CONTOURS SHOWN HEREON ARE INDICATIVE ONLY AND PREFERENCE SHOULD BE GIVEN TO SPOT LEVELS AS SHOWN.
3. CONTOUR INTERVAL = 0.1 m
4. ORIGIN OF LEVELS AND CO-ORDINATES:  
SSM 56303 RL 388.470  
E: 293 689.269  
N: 6 560 663.324




CHECK			
DRAWN	MM	22 AUG 16	
DESIGN			
	BY	DATE	REGISTERED SURVEYOR
VERIFICATION SCHEDULE			

22 AUG 16	A	INITIAL ISSUE	MM
DATE	REV	REMARKS	REV BY

REFERENCE	L2051		
DATE	18 AUGUST 2016		
DATUM	HOR	MGA	VER AHD
LGA	TAMWORTH REGIONAL		
LOCALITY	WESTDALE		
PARISH	MURROON		
COUNTY	PARRY		
SCALE			SHEET SIZE
1: 1000			A1
1: 2000			A3

PROJECT  
PLAN OF CONTOURS AND DETAIL  
OVER PART OF LOT 2  
DP 1119834

CLIENT  
PITT & SHERRY



**COVER OF  
EXCELLENCE®**

'Ability listed by  
a scheme approved  
under Professional  
Standards Legislation'

# Brown & Krippner

## SURVEYORS & PLANNERS

SINCE 1925

CONSULTANTS IN SURVEYING • TOWN PLANNING •  
CIVIL ENGINEERING • PROJECT MANAGEMENT

Brown & Krippner Pty Ltd  
4 Brisbane St (PO Box 226)  
Tarnworth NSW 2340  
AU 6118 Tarnworth NSW

T. 02 6765 5155 F. 02 6765 7143  
E. admin@brownandkrippner.com.au  
www.brownandkrippner.com.au  
ABN 23 982 003 952

DRAWING NO. VER.  
**2051C01-A**

SHEET 1 OF 1 SHEETS