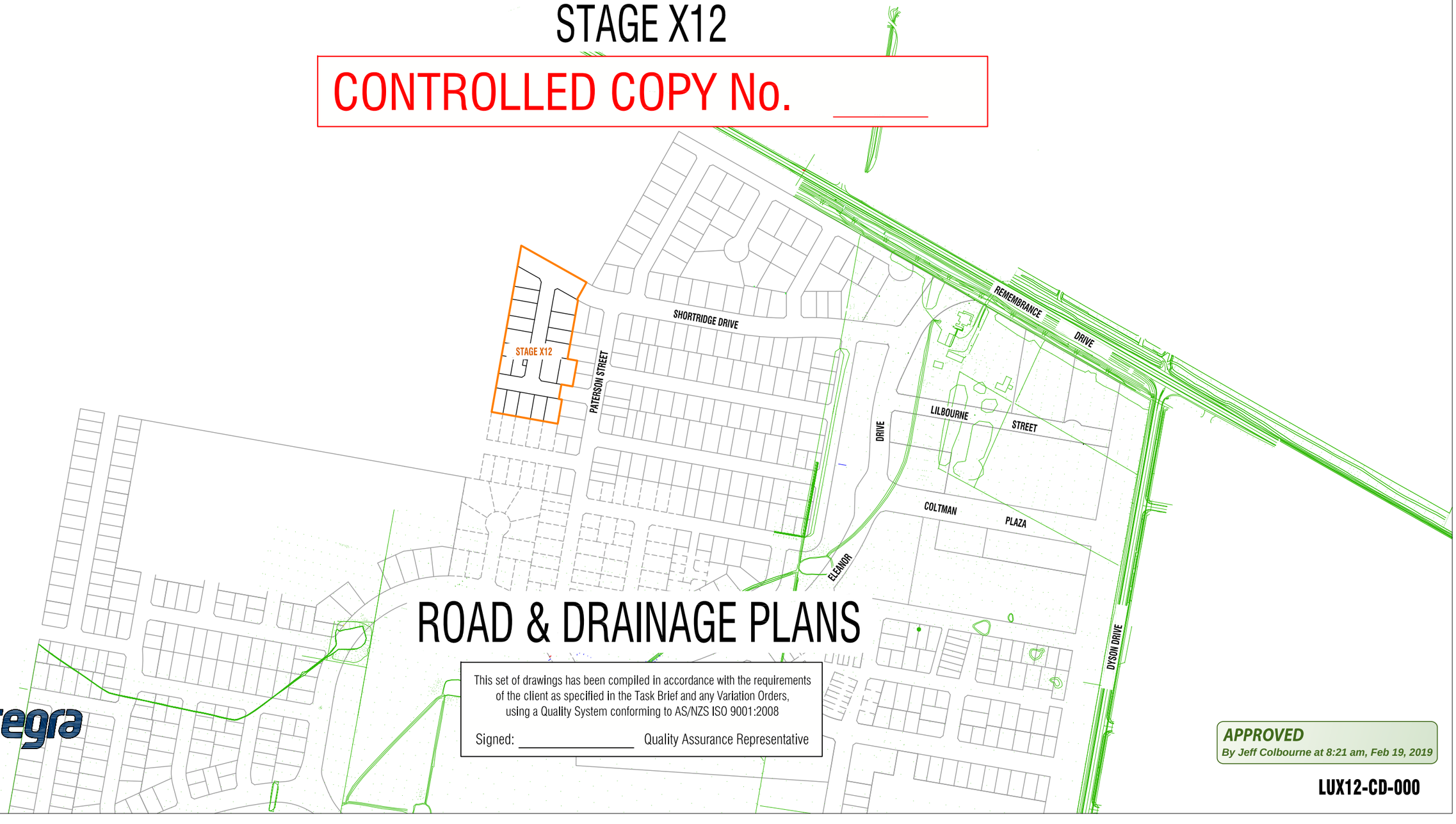
LUCAS

RESIDENTIAL DEVELOPMENT

LUCAS

STAGE X12

CONTROLLED COPY No. _____



ROAD & DRAINAGE PLANS

This set of drawings has been compiled in accordance with the requirements of the client as specified in the Task Brief and any Variation Orders, using a Quality System conforming to AS/NZS ISO 9001:2008

Signed: _____ Quality Assurance Representative

Integra

APPROVED
By Jeff Colbourne at 8:21 am, Feb 19, 2019

LUX12-CD-000

TABLE OF CONTENTS

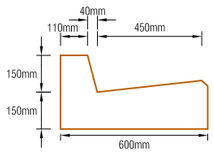
Sheet No.	Drawing No.	Description
1	LUX12-CD-001	TABLE OF CONTENTS
2	LUX12-CD-002	TYPICAL CROSS SECTIONS
3	LUX12-CD-003	GEOMETRIC PLAN
4	LUX12-CD-004	INTERSECTIONS PLAN
5	LUX12-CD-005	DRAINAGE PLAN
6	LUX12-CD-006	DRAINAGE PROFILES
7	LUX12-CD-007	LONGITUDINAL SECTIONS
8	LUX12-CD-008	CROSS SECTIONS
9	LUX12-CD-009	CROSS SECTIONS
10	LUX12-CD-010	CROSS SECTIONS
11	LUX12-CD-011	CROSS SECTIONS

STANDARD DRAWINGS

NUMBER	DESCRIPTION
SD-D2-1	SUBSOIL DRAINAGE BEHIND KERB & CHANNEL
SD-D8-1	TRENCH DETAILS FOR REINFORCED CONCRETE PIPES
SD-D8-2	AUTHORITY TRENCH DETAILS
SD-D9	HOUSE CONNECTION DRAIN TO "MAIN OUTFALL DRAIN"
SD-K1	STANDARD KERB SECTIONS
SD-K3-2	STANDARD CONCRETE FOOTPATH SECTION FOR SUBDIVISIONS
SD-P1-1	PRECAST SIDE ENTRY PIT CONCRETE COVER - 900mm INLET
SD-P3-1	PRECAST UNHAUNCHED PITS - CONCRETE COVER
SD-P4-1	PRECAST HAUNCHED PITS - CONCRETE COVER
SD-P10-1	PRECAST JUNCTION PIT - CONCRETE COVER
SD-R2	PAVEMENT JOIN LAPPING BASE LAYER

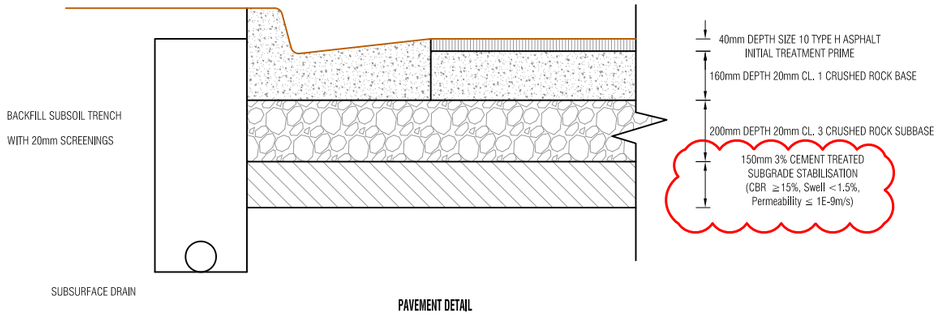
GENERAL NOTES

1. These drawings are to be read in conjunction with the City of Ballarat standard drawings and the Infrastructure Design Manual
2. Chainages (Ch) in all roads are computed along the centreline, and offsets are to lip of kerb unless otherwise shown



BCC2 KERB & CHANNEL

KERB DETAILS

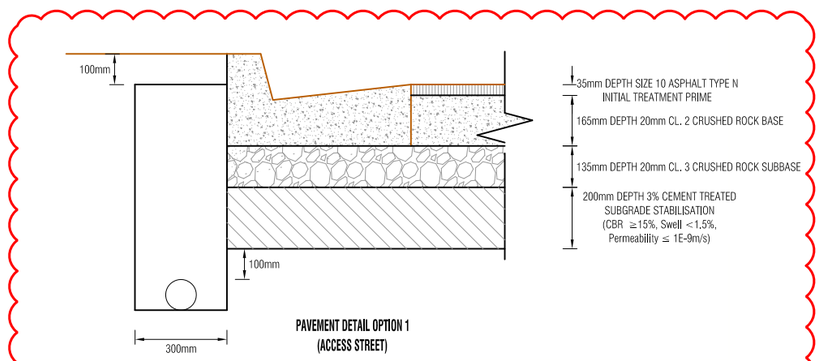


PAVEMENT DETAIL
(COLLECTOR ROAD)

ALL PAVEMENT LAYERS ARE TO BE CONSTRUCTED AS SPECIFIED.
SUBGRADE TO BE EVALUATED IN CONSULTATION WITH SUPERINTENDENT
AND CITY OF BALLARAT TO DETERMINE APPROPRIATE PAVEMENT OPTION

SERVICE SCHEDULE

STREET	CLASS	CARRIAGEWAY	ROAD RESERVE	SERVICE (OFFSET & SIDE)			
		WIDTH	WIDTH	ELEC.	TEL.	WATER	GAS
SHORTRIDGE DRIVE	COLLECTOR STREET	15.00	24.00	2.5S N	1.8S N	2.7 S	2.1 S
COCKERALL STREET	ACCESS STREET	7.60	18.00	2.7E	1.95E	2.7W	2.1W
MOORE WAY	ACCESS STREET	7.60	18.00	2.7S	1.95S	2.7N	2.1N



PAVEMENT DETAIL OPTION 1
(ACCESS STREET)

ALL PAVEMENT LAYERS ARE TO BE CONSTRUCTED AS SPECIFIED.
SUBGRADE TO BE EVALUATED IN CONSULTATION WITH SUPERINTENDENT
AND CITY OF BALLARAT TO DETERMINE APPROPRIATE PAVEMENT OPTION

APPROVED
By Jeff Colbourne at 8:21 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C	As Constructed Plans	DG	07/01/19
B	NBN Offset Amended in Service Schedule	DG	23/05/18
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
TABLE OF CONTENTS

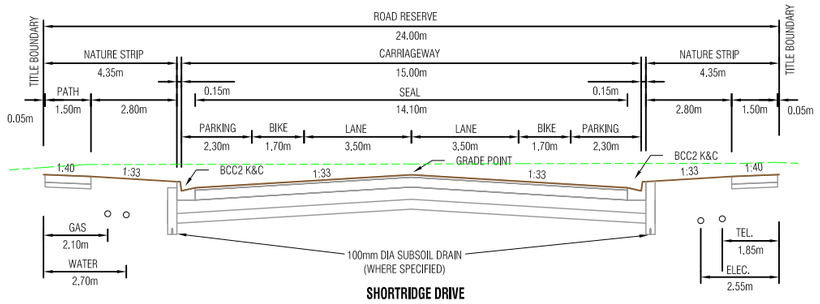
Status
APPROVED
AS CONSTRUCTED

Designer	Checker	Verified
D.Georgalas	T.Oldaker	

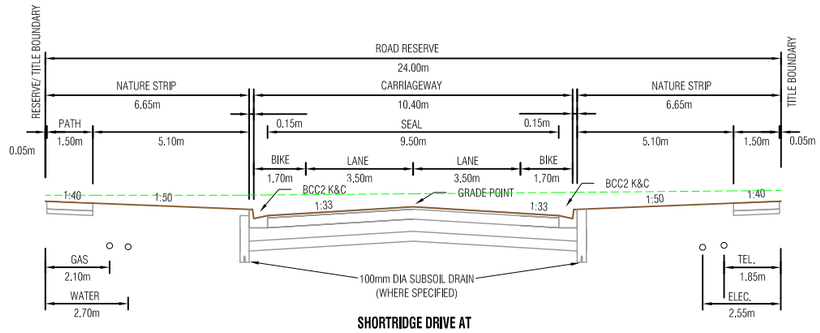
Scale (A1) Scale (A3)
HOR
VER

Sheet Number
1 of 11

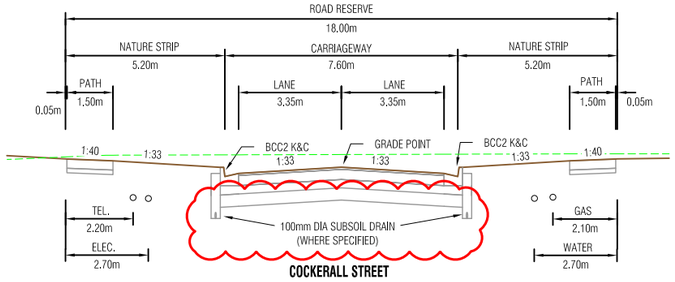
Drawing Number **LUX12-CD-001** Revision **C**



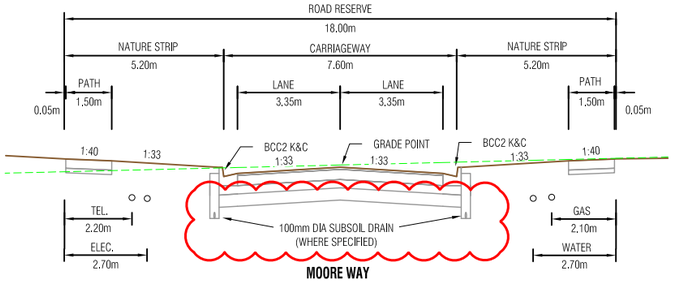
SHORTRIDGE DRIVE
TYPICAL CROSS SECTION
(COLLECTOR ROAD)



SHORTRIDGE DRIVE AT
INTERSECTIONS
TYPICAL CROSS SECTION
(COLLECTOR ROAD)



COCKERALL STREET
TYPICAL CROSS SECTIONS
(ACCESS STREET)



MOORE WAY
TYPICAL CROSS SECTIONS
(ACCESS STREET)

APPROVED
By Jeff Colbourne at 8:21 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev		Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra

1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
TYPICAL CROSS SECTIONS

Status
APPROVED
AS CONSTRUCTED

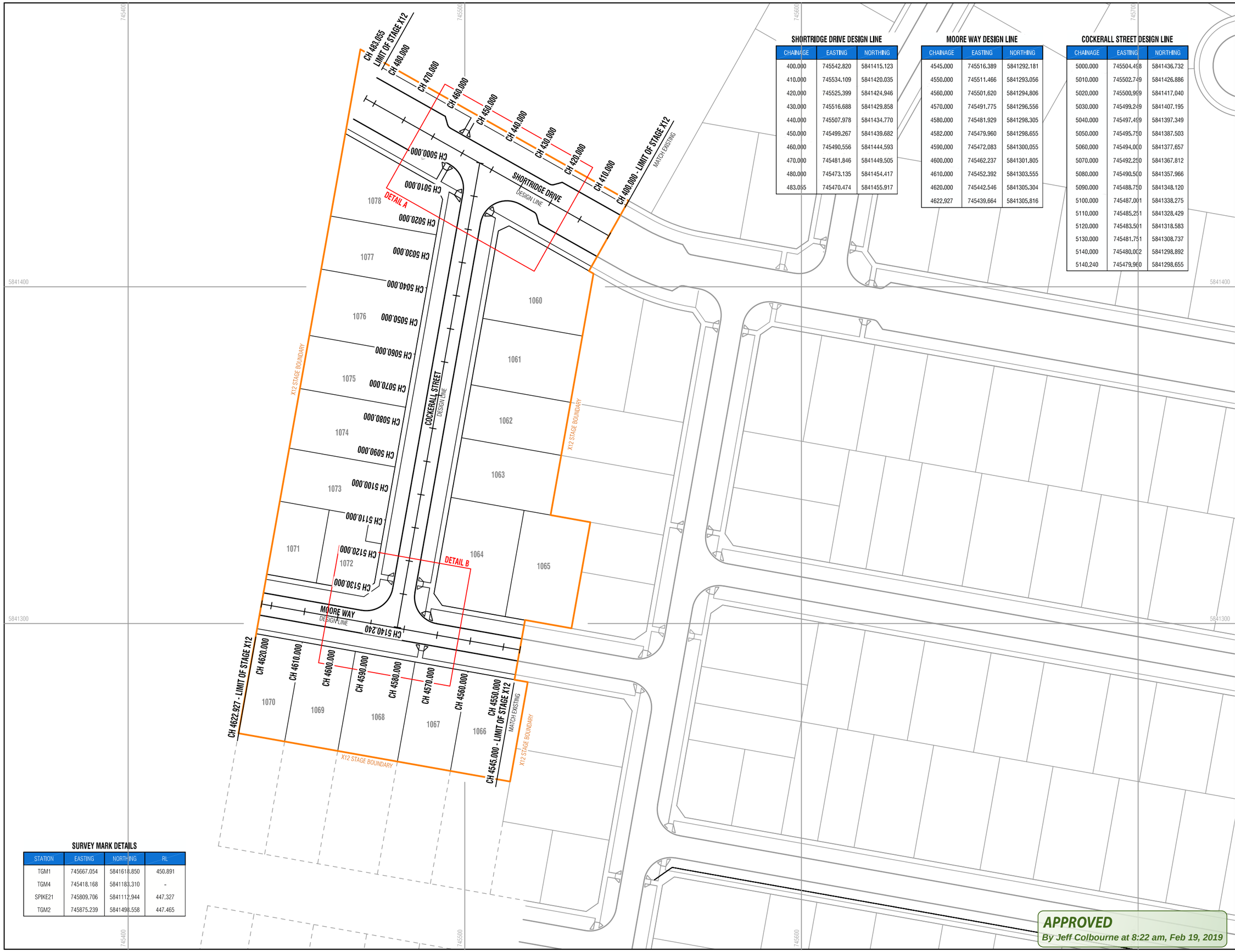
Designer	Checker	Verified
D.Georgalas	T.Oldaker	

Scale (A1) HOR NOT TO SCALE VER Scale (A3)

Sheet Number
2 of 11

Drawing Number
LUX12-CD-002

Revision
B



SHORTRIDGE DRIVE DESIGN LINE

CHAINAGE	EASTING	NORTHING
400.000	745542.820	5841415.123
410.000	745534.109	5841420.035
420.000	745525.399	5841424.946
430.000	745516.688	5841429.858
440.000	745507.978	5841434.770
450.000	745499.267	5841439.682
460.000	745490.556	5841444.593
470.000	745481.846	5841449.505
480.000	745473.135	5841454.417
483.055	745470.474	5841455.917

MOORE WAY DESIGN LINE

CHAINAGE	EASTING	NORTHING
4545.000	745516.389	5841292.181
4550.000	745511.466	5841293.056
4560.000	745501.620	5841294.806
4570.000	745491.775	5841296.556
4580.000	745481.929	5841298.305
4582.000	745479.960	5841298.655
4590.000	745472.083	5841300.055
4600.000	745462.237	5841301.805
4610.000	745452.392	5841303.555
4620.000	745442.546	5841305.304
4622.927	745439.664	5841305.816

COCKERALL STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING
5000.000	745504.498	5841436.732
5010.000	745502.749	5841426.886
5020.000	745500.999	5841417.040
5030.000	745499.249	5841407.195
5040.000	745497.499	5841397.349
5050.000	745495.750	5841387.503
5060.000	745494.000	5841377.657
5070.000	745492.250	5841367.812
5080.000	745490.500	5841357.966
5090.000	745488.750	5841348.120
5100.000	745487.001	5841338.275
5110.000	745485.251	5841328.429
5120.000	745483.501	5841318.583
5130.000	745481.751	5841308.737
5140.000	745480.002	5841298.892
5140.240	745479.960	5841298.655

SURVEY MARK DETAILS

STATION	EASTING	NORTHING	RL
TGM1	745667.054	5841618.850	450.891
TGM4	745418.168	5841183.310	-
SPIKE21	745809.706	5841112.944	447.327
TGM2	745875.239	5841498.558	447.465

General Notes

1. FOR INTERSECTION SETOUT REFER TO DRAWING LUX12-CD-004

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
GEOMETRIC PLAN

Status
APPROVED
AS CONSTRUCTED

Designer D.Georgalas | Checker T.Oldaker | Verified

Scale (A1) 1:500 Scale (A3) 1:1000

HOR 0 5 10 15 20 25
VER

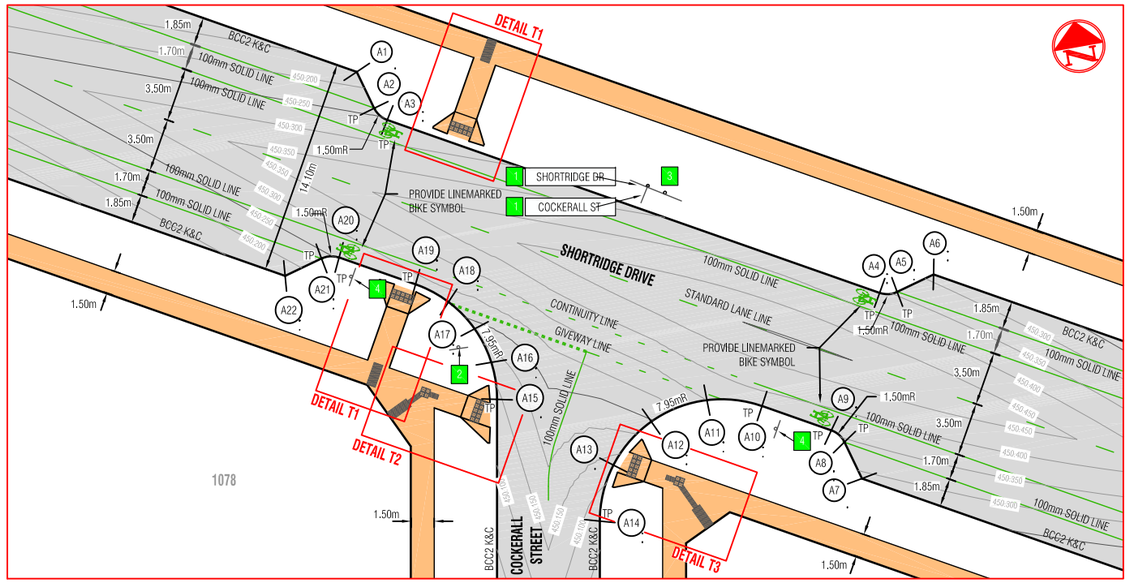
Sheet Number
3 of 11

Drawing Number
LUX12-CD-003

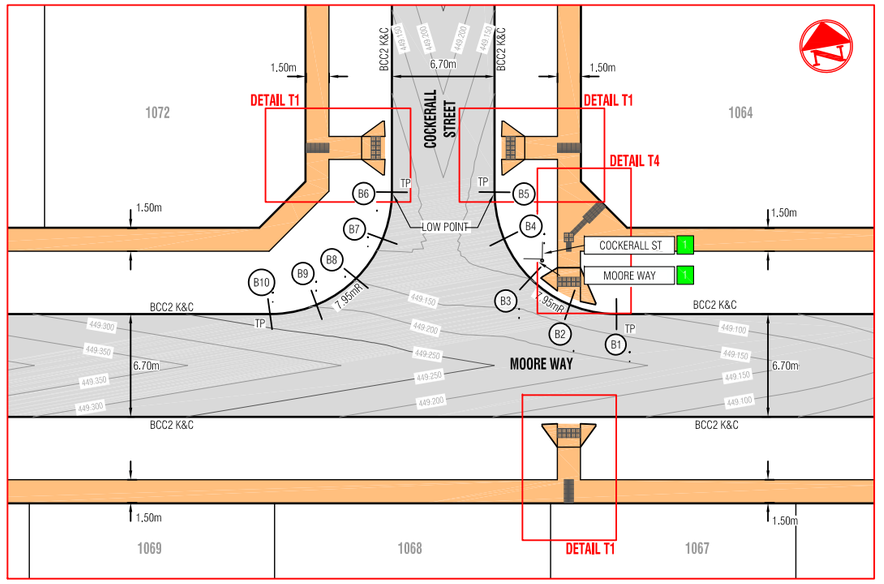
Revision
B

APPROVED
By Jeff Colbourne at 8:22 am, Feb 19, 2019

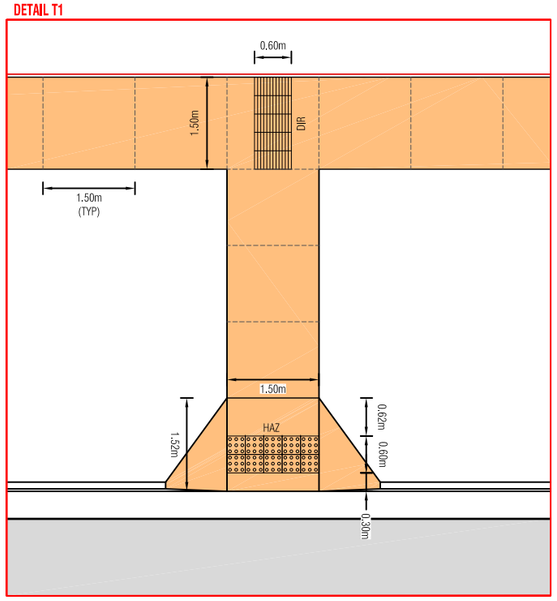
DETAIL A



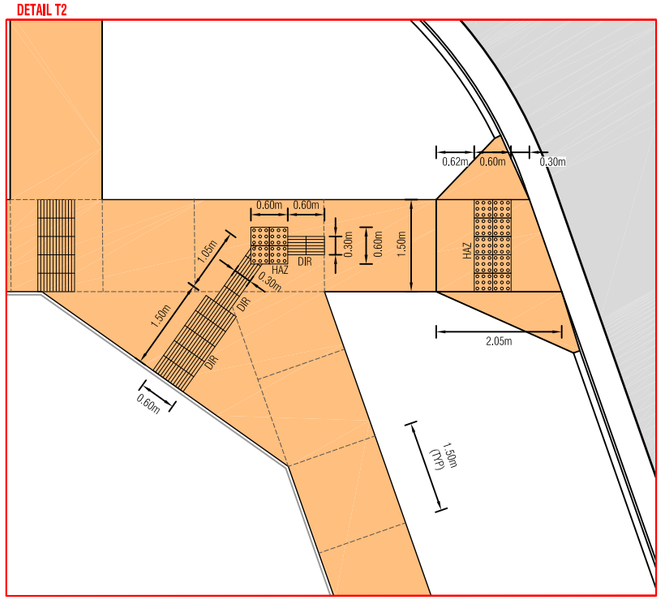
DETAIL B



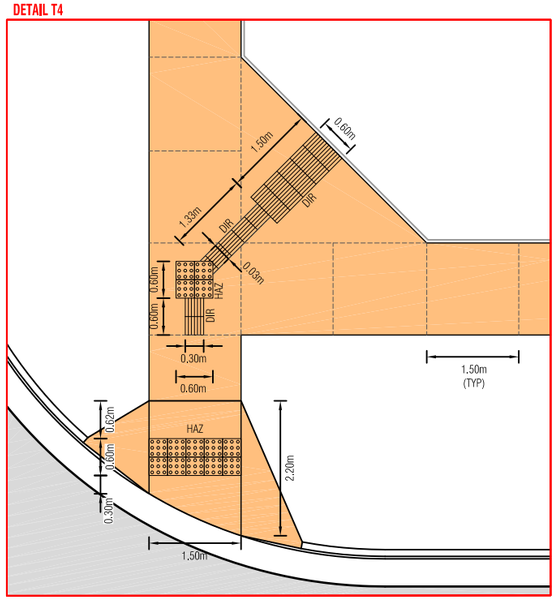
DETAIL T1



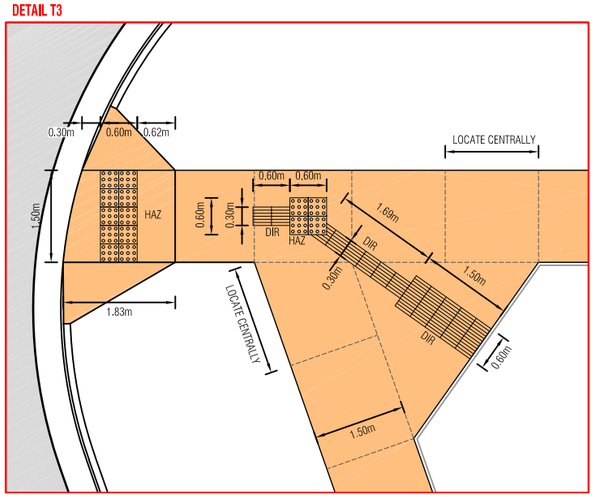
DETAIL T2



DETAIL T4



DETAIL T3



SETOUT COORDINATES

POINT	EASTING	NORTHING	RL
A1	745494.264	5841450.596	450.171
A2	745494.971	5841448.062	450.237
A3	745495.679	5841447.158	450.254
A4	745525.322	5841430.443	450.358
A5	745526.461	5841430.305	450.343
A6	745528.996	5841431.012	450.287
A7	745522.071	5841418.730	450.288
A8	745521.364	5841421.264	450.344
A9	745520.656	5841422.168	450.358
A10	745516.480	5841424.523	450.374
A11	745513.009	5841425.530	450.350
A12	745509.183	5841424.788	450.244
A13	745506.260	5841422.428	450.129
A14	745504.748	5841418.989	450.067
A15	745499.539	5841427.971	450.140
A16	745499.592	5841430.412	450.174
A17	745498.902	5841432.754	450.228
A18	745497.534	5841434.776	450.274
A19	745495.616	5841436.287	450.281
A20	745491.013	5841438.883	450.254
A21	745489.873	5841439.021	450.236
A22	745487.338	5841438.315	450.170

NOTE:SETOUT POINTS ARE TO LIP OF KERB

SETOUT COORDINATES

POINT	EASTING	NORTHING	RL
B1	745491.672	5841299.976	449.109
B2	745488.782	5841301.105	449.114
B3	745486.544	5841303.253	449.099
B4	745485.299	5841306.093	449.074
B5	745485.235	5841309.195	449.058
B6	745478.639	5841310.367	449.055
B7	745477.510	5841307.478	449.084
B8	745475.362	5841305.240	449.145
B9	745472.521	5841303.994	449.196
B10	745469.420	5841303.931	449.223

NOTE:SETOUT POINTS ARE TO LIP OF KERB

PAVEMENT LEGEND

	ASPHALT
	PLAIN FOOTPATH
---	FOOTPATH TOOLING

SIGN LEGEND

1		ROAD NAME
2	R1-2A	GIVE WAY
3	D4-2-1	
4	R7-1-4	BIKE LANE

General Notes

1. LANE WIDTHS AND RADII ARE TO LIP OF KERB
2. CONTOURS SHOWN AT 50mm INTERVALS

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
Lucas, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
INTERSECTIONS PLAN

Status
APPROVED
AS CONSTRUCTED

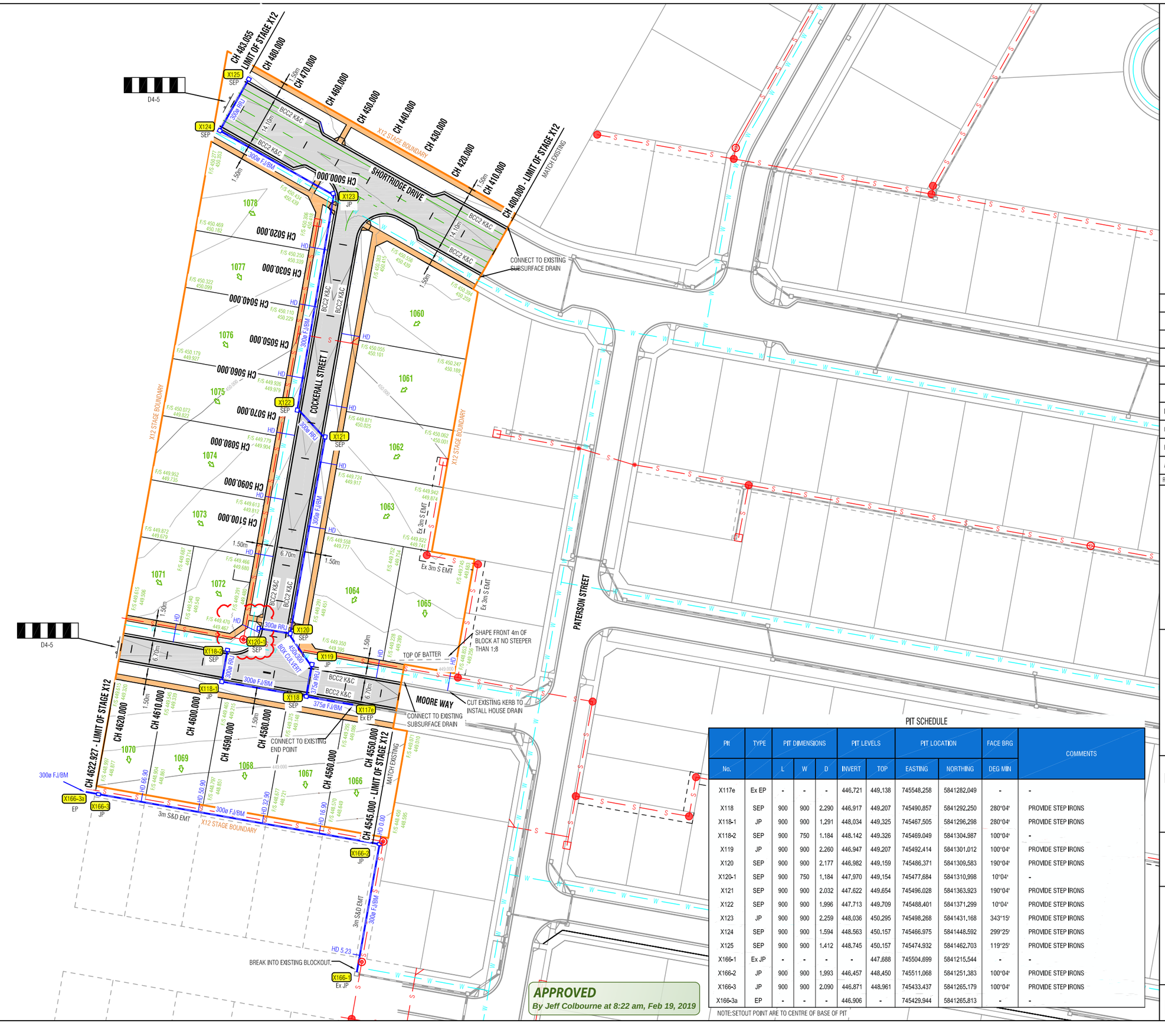
Designer D.Georgalas | Checker T.Oldaker | Verified
Scale (A1) HOR NOT TO SCALE VER | Scale (A3)

Sheet Number
4 of 11

Drawing Number
LUX12-CD-004

Revision
B

APPROVED
By Jeff Colbourne at 8:22 am, Feb 19, 2019



LEGEND

- SEWER PITS
- SEWER MAIN
- DRAINAGE PITS
- DRAINAGE PIPE
- SUBSURFACE DRAIN
- WATER MAIN
- F/S 448.801 FINISHED SURFACE LEVEL
- 448.692 EXISTING SURFACE LEVEL
- HD 0.00 RUNNING CHAINAGE OF HD
- FOOTPATH / DRIVEWAY
- ASHPALT

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

APPROVED
By Jeff Colbourne at 8:22 am, Feb 19, 2019

PIT SCHEDULE

PIT	TYPE	PIT DIMENSIONS			PIT LEVELS		PIT LOCATION		FACE BRG	COMMENTS
No.		L	W	D	INVERT	TOP	EASTING	NORTHING	DEG MIN	
X117e	Ex EP	-	-	-	446.721	449.138	745548.258	5841282.049	-	-
X118	SEP	900	900	2.290	446.917	449.207	745490.857	5841292.250	280°04'	PROVIDE STEP IRONS
X118-1	JP	900	900	1.291	448.034	449.325	745467.505	5841296.298	280°04'	PROVIDE STEP IRONS
X118-2	SEP	900	750	1.184	448.142	449.326	745469.049	5841304.987	100°04'	-
X119	JP	900	900	2.260	446.947	449.207	745492.414	5841301.012	100°04'	PROVIDE STEP IRONS
X120	SEP	900	900	2.177	446.982	449.159	745486.371	5841309.583	190°04'	PROVIDE STEP IRONS
X120-1	SEP	900	750	1.184	447.970	449.154	745477.684	5841310.998	10°04'	-
X121	SEP	900	900	2.032	447.622	449.654	745496.028	5841363.923	190°04'	PROVIDE STEP IRONS
X122	SEP	900	900	1.996	447.713	449.709	745488.401	5841371.299	10°04'	PROVIDE STEP IRONS
X123	JP	900	900	2.259	448.036	450.295	745498.268	5841431.168	343°15'	PROVIDE STEP IRONS
X124	SEP	900	900	1.594	448.563	450.157	745466.975	5841448.592	299°25'	PROVIDE STEP IRONS
X125	SEP	900	900	1.412	448.745	450.157	745474.932	5841462.703	119°25'	PROVIDE STEP IRONS
X166-1	Ex JP	-	-	-	-	447.888	745504.699	5841215.544	-	-
X166-2	JP	900	900	1.993	446.457	448.450	745511.068	5841251.383	100°04'	PROVIDE STEP IRONS
X166-3	JP	900	900	2.090	446.871	448.961	745433.437	5841265.179	100°04'	PROVIDE STEP IRONS
X166-3a	EP	-	-	-	446.906	-	745429.944	5841265.813	-	-

NOTE:SETOUT POINT ARE TO CENTRE OF BASE OF PIT

General Notes

1. ALL HD CONNECTIONS WITH CHAINAGES TO CONNECT TO UNDERGROUND DRAINAGE
2. RUNNING CHAINAGE OF HD TAKEN FROM NEXT DOWNSTREAM PIT
3. SUBSURFACE DRAINS TO OUTLET TO DRAINAGE PITS
4. ROAD DIMENSIONS ARE TO LIP OF KERB

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C	As Constructed Plans	DG	07/01/19
B	Future HD Connection Added	DG	18/05/18
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
DRAINAGE PLAN

Status
APPROVED
AS CONSTRUCTED

Designer D.Georgalas | Checker T.Oldaker | Verified
Scale (A1) 1:500 | Scale (A3) 1:1000
HOR 0 5 10 15 20 25
VER

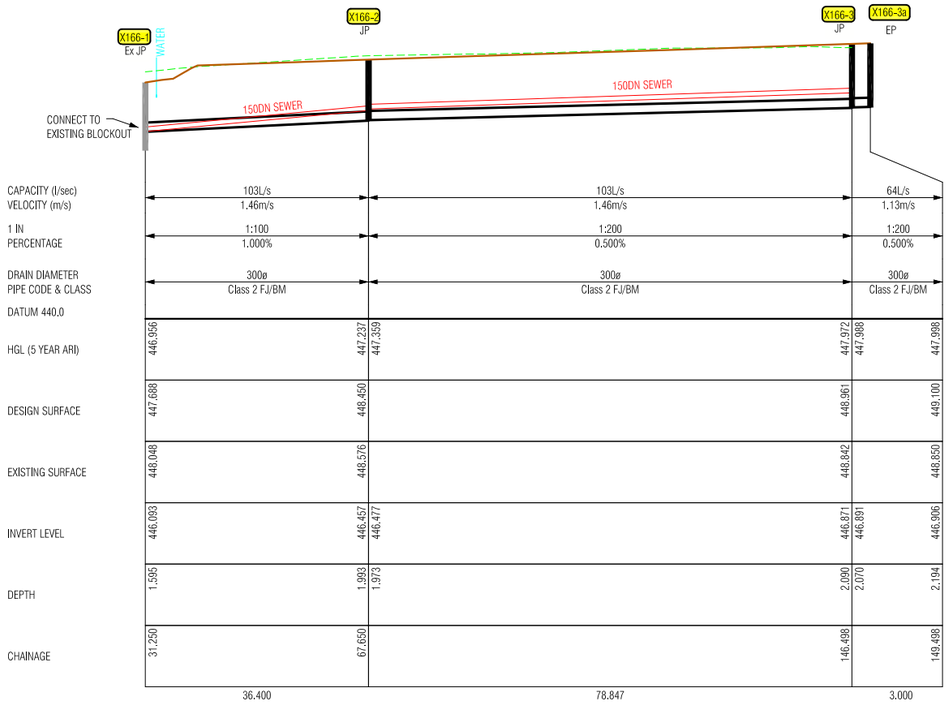
Sheet Number
5 of 11

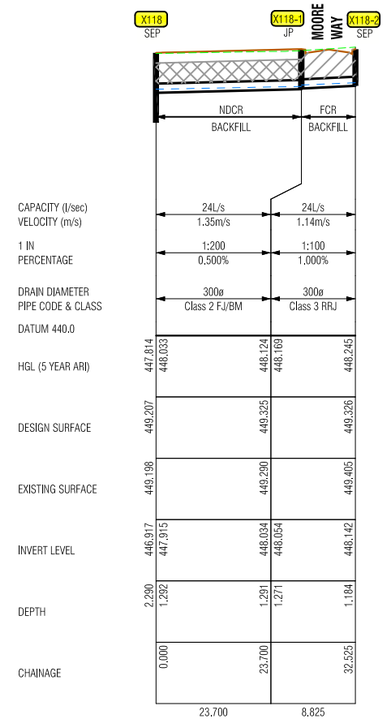
Drawing Number
LUX12-CD-005

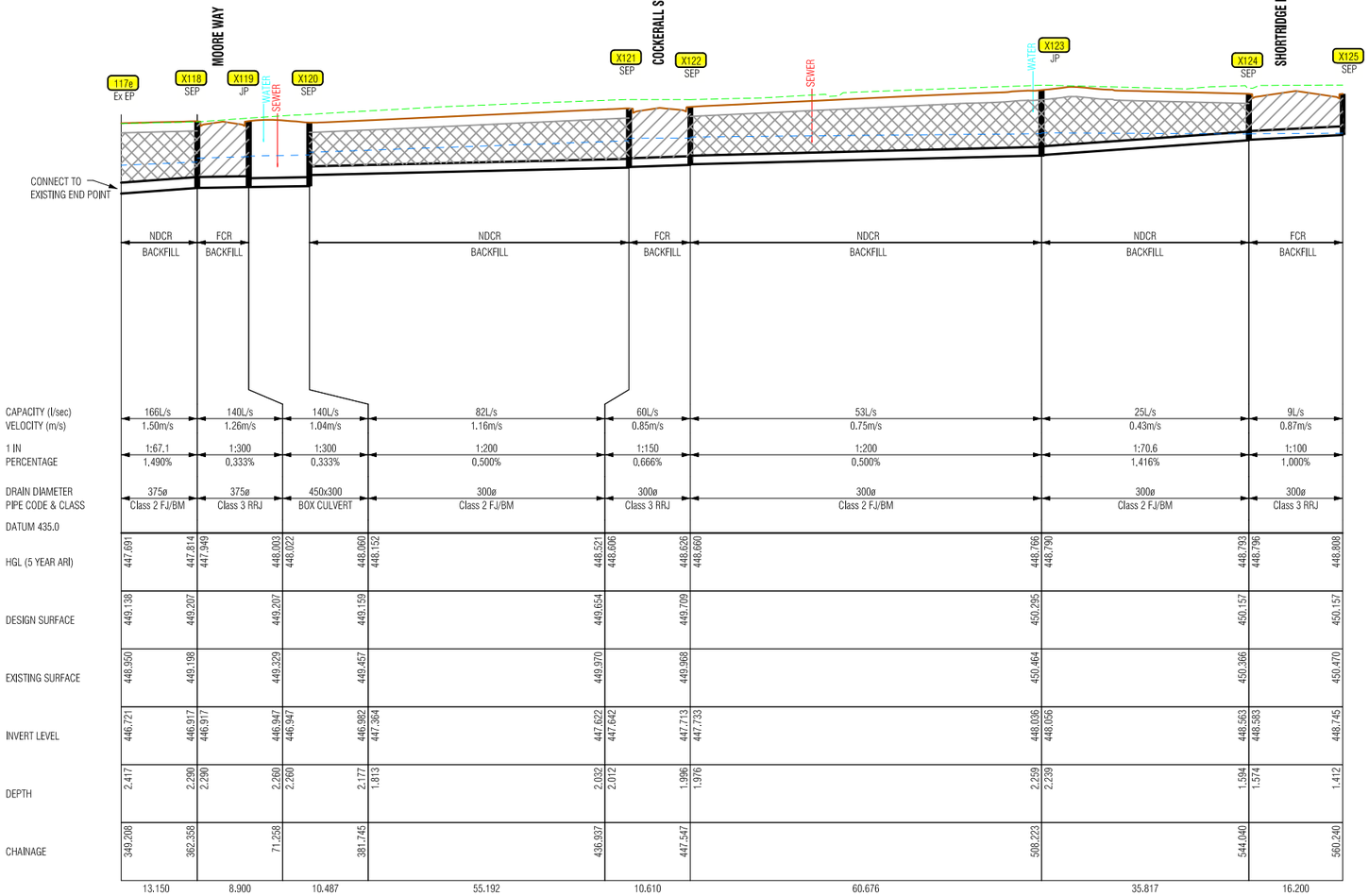
Revision
C

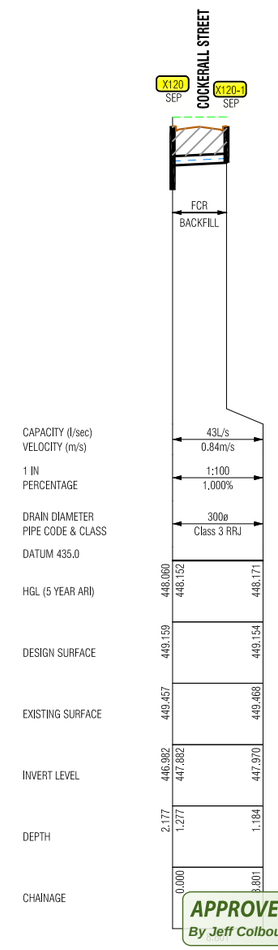
LEGEND

- Design Surface
- Existing Surface
- 5 Year HGL
- Drainage Infrastructure
- Proposed Sewer









APPROVED
By Jeff Colbourne at 8:22 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra

1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
DRAINAGE PROFILES

Status
APPROVED
AS CONSTRUCTED

Designer D.Georgalas | Checker T.Oldaker | Verified

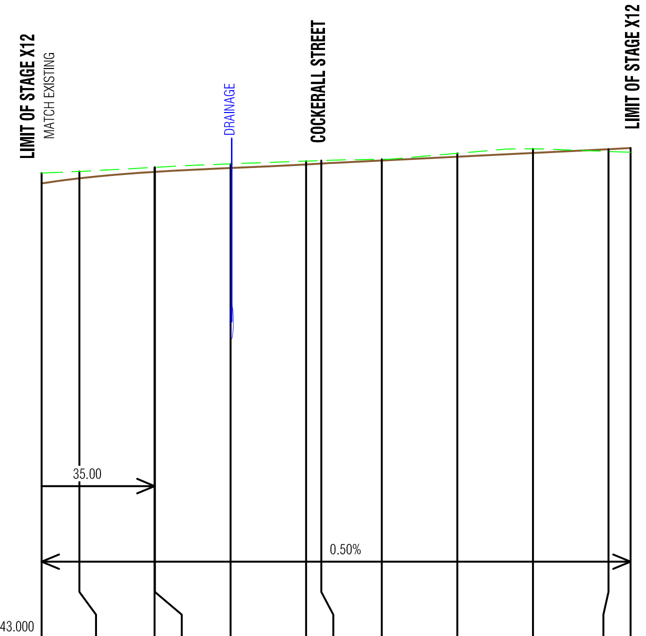
Scale (A1)1:100H, 1:50V Scale (A3)1:1000H, 1:200V

HOR 0 5 10 15 20 25
VER 0 1 2 3 4 5

Sheet Number
6 of 11

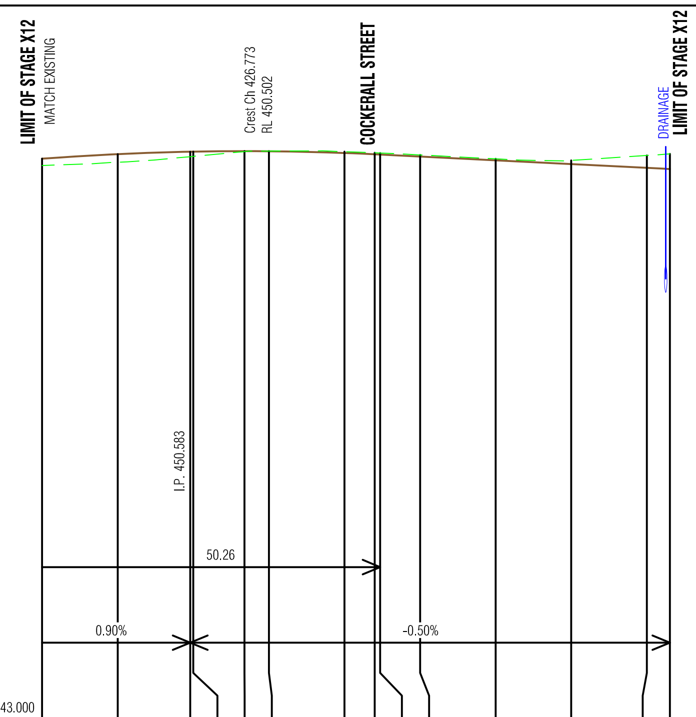
Drawing Number
LUX12-CD-006

Revision
B



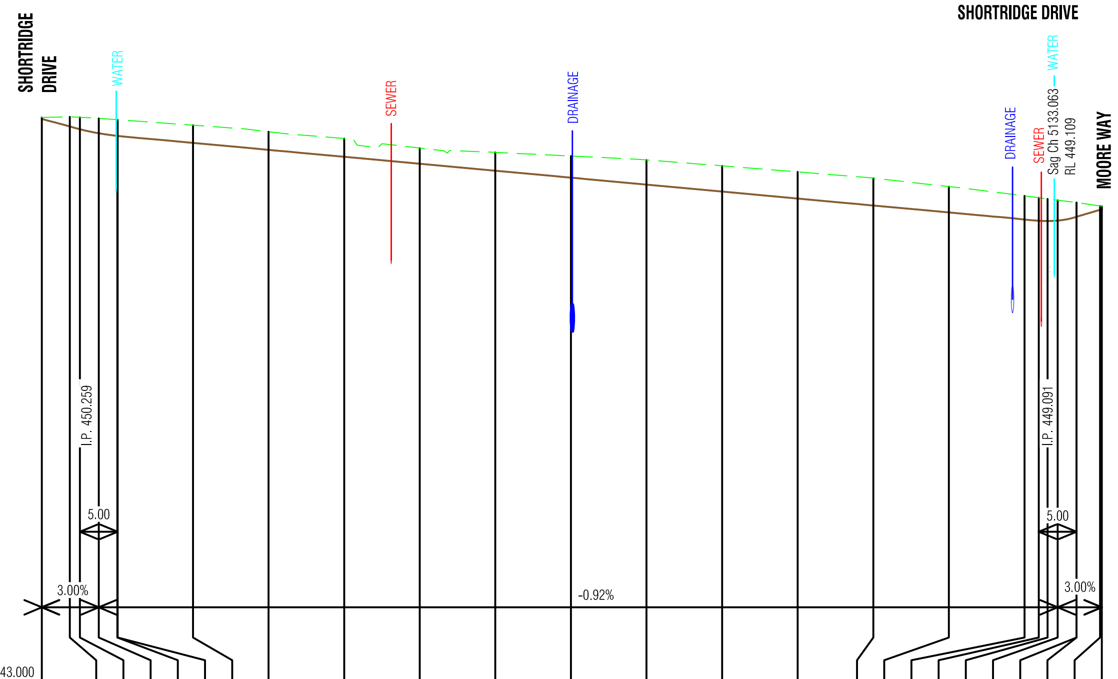
Design Surface	449.003	449.072	449.156	449.157	449.207	449.257	449.267	449.307	449.357	449.407	449.457	449.471
Existing Surface	449.140	449.162	449.216	449.217	449.262	449.299	449.306	449.323	449.402	449.461	449.426	449.415
Chainage	4545.000	4550.000	4559.950	4560.000	4570.000	4580.000	4582.000	4590.000	4600.000	4610.000	4620.000	4622.927

MOORE WAY



Design Surface	450.402	450.463	450.495	450.496	450.502	450.501	450.478	450.461	450.457	450.431	450.381	450.331	450.281	450.265
Existing Surface	450.312	450.356	450.429	450.433	450.497	450.503	450.495	450.480	450.478	450.452	450.400	450.380	450.445	450.465
Chainage	400.000	410.000	419.593	420.000	426.773	430.000	440.000	443.994	444.722	450.000	460.000	470.000	480.000	483.055

SHORTRIDGE DRIVE



Design Surface	450.461	450.361	450.326	450.270	450.236	450.236	450.144	450.052	449.960	449.868	449.776	449.684	449.592	449.500	449.408	449.316	449.224	449.132	449.114	449.109	449.116	449.166	449.166	449.259	449.267
Existing Surface	450.480	450.489	450.482	450.468	450.450	450.450	450.378	450.291	450.203	450.075	450.018	449.970	449.918	449.841	449.760	449.677	449.566	449.442	449.418	449.403	449.386	449.355	449.355	449.309	449.306
Chainage	5000.000	5003.709	5005.034	5007.535	5010.000	5010.035	5020.000	5030.000	5040.000	5050.000	5060.000	5070.000	5080.000	5090.000	5100.000	5110.000	5120.000	5130.000	5131.889	5133.063	5134.389	5136.889	5136.890	5140.000	5140.240

COCKERALL STREET

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra

1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
LONGITUDINAL SECTIONS

Status
APPROVED
AS CONSTRUCTED

Designer: D.Georgalas Checker: T.Oldaker Verified:

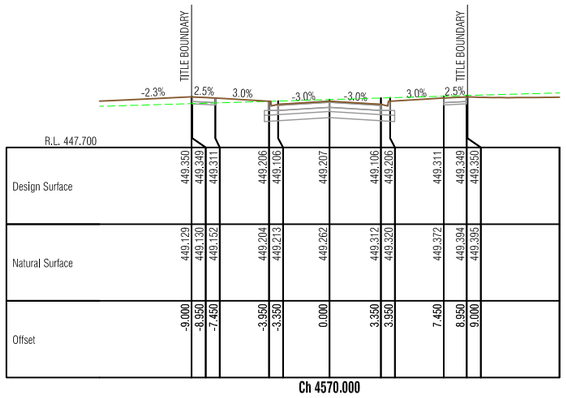
Scale (A1)1:500H, 1:50V Scale (A3)1:1000H, 1:100V

HOR 0 5 10 15 20 25
VER 0 1 2 2.5

Sheet Number
7 of 11

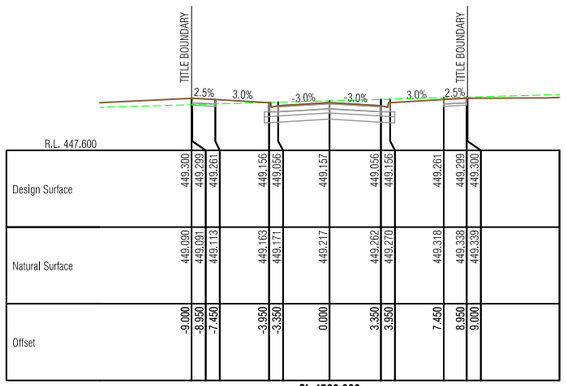
Drawing Number: LUX12-CD-007 Revision: B

APPROVED
By Jeff Colbourne at 8:23 am, Feb 19, 2019

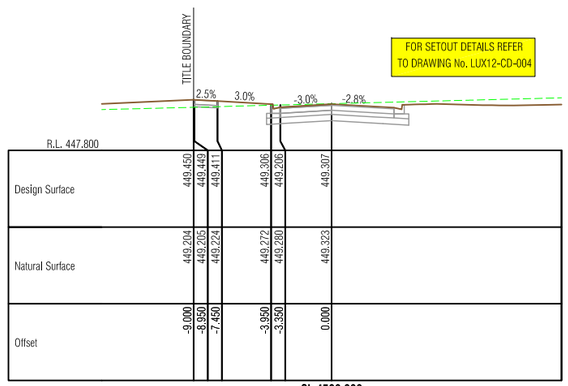


Ch 4570.000

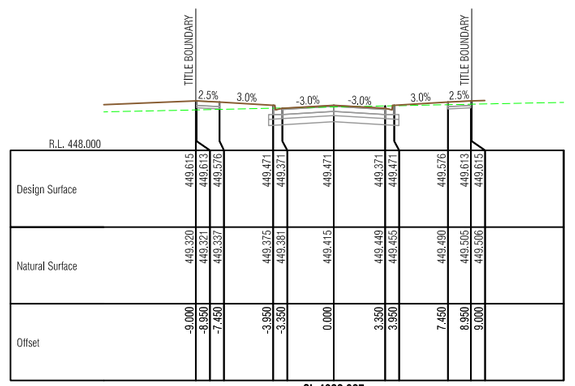
Ch 4600.000



Ch 4560.000



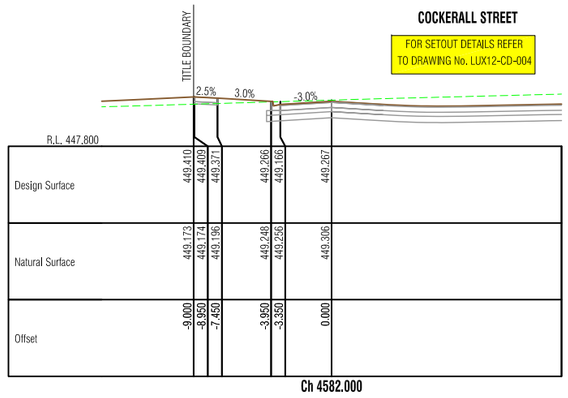
Ch 4590.000



Ch 4622.927
LIMIT OF STAGE 12

Ch 4550.000

COCKERALL STREET

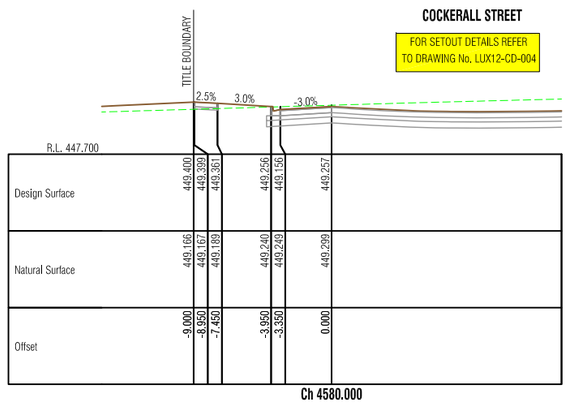


Ch 4582.000

Ch 4620.000

Ch 4545.000
LIMIT OF STAGE 12
MATCH EXISITNG

COCKERALL STREET



Ch 4580.000

Ch 4610.000

APPROVED
By Jeff Colbourne at 8:23 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
CROSS SECTIONS
MOORE WAY
(CH 4545.000 - CH 4622.927)

Status
APPROVED
AS CONSTRUCTED

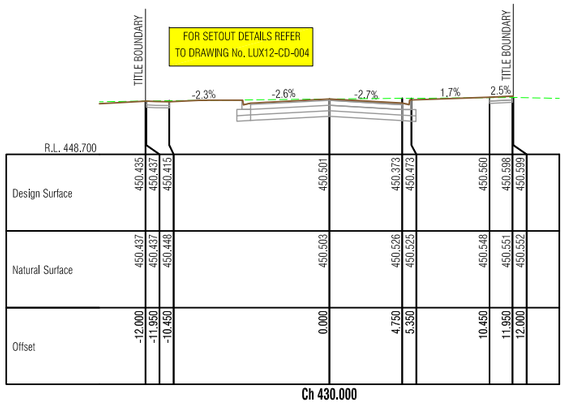
Designer	Checker	Verified
D.Georgalas	T.Oldaker	

Scale (A1) 1:200H, 1:100VScale (A3) 1:400H, 1:200V
HOR 0 2 4 6 8 10
VER 0 1 2 3 4 5

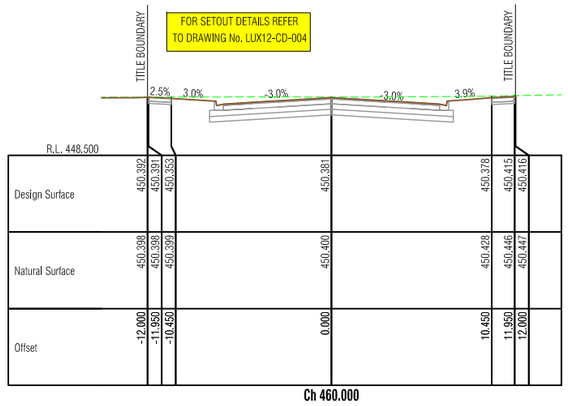
Sheet Number
8 of 11

Drawing Number
LUX12-CD-008

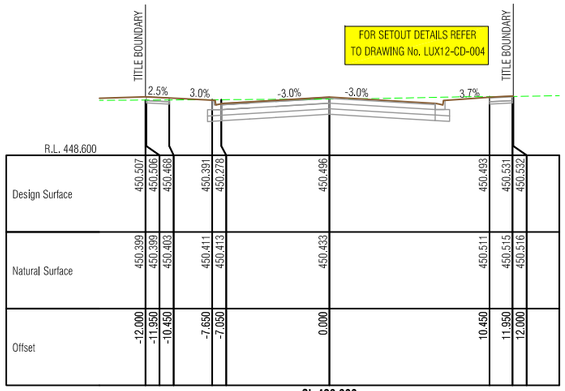
Revision
B



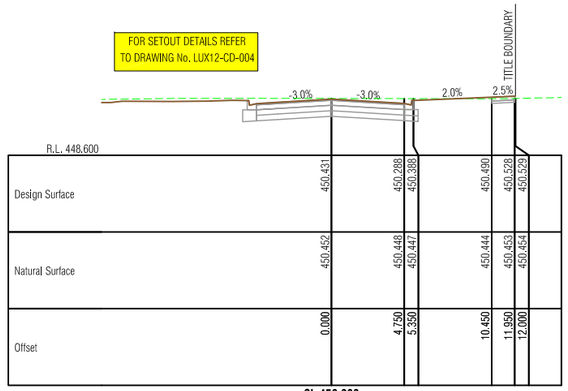
Ch 430.000



Ch 460.000

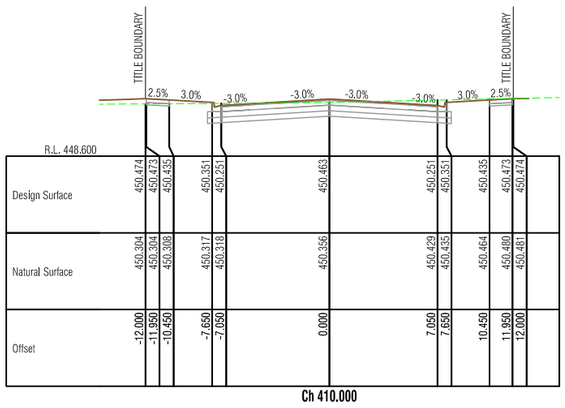


Ch 420.000



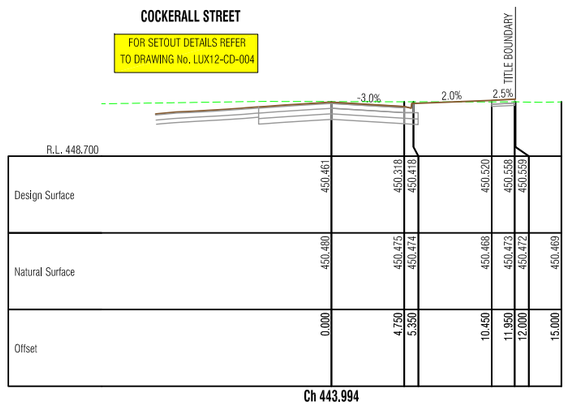
Ch 450.000

Ch 483.055
LIMIT OF STAGE X12

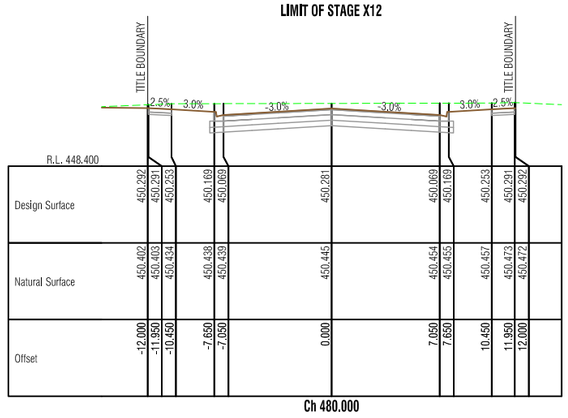


Ch 410.000

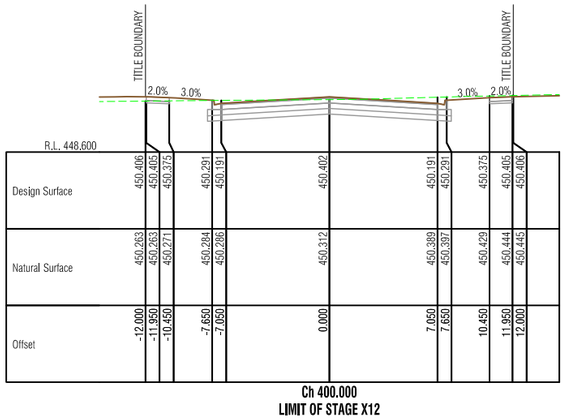
COCKERALL STREET



Ch 443.994

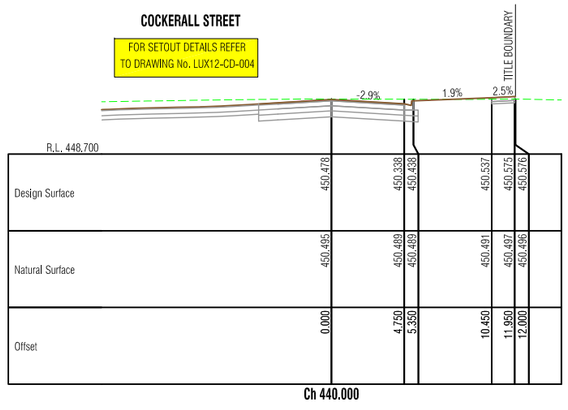


Ch 480.000

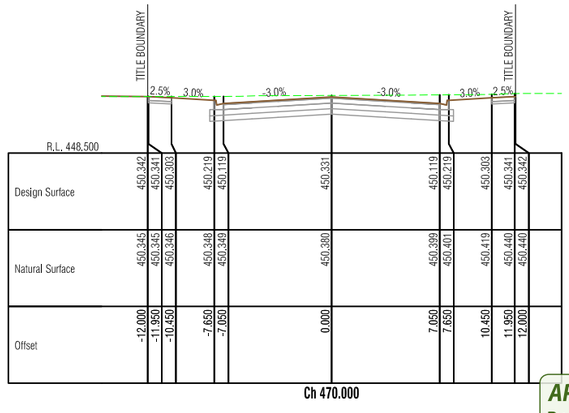


Ch 400.000
LIMIT OF STAGE X12
MATCH EXISTING

COCKERALL STREET



Ch 440.000



Ch 470.000

APPROVED
By Jeff Colbourne at 8:23 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
CROSS SECTIONS
SHORTRIDGE DRIVE
(CH 400.000 - CH 483.055)

Status
APPROVED
AS CONSTRUCTED

Designer D.Georgalas Checker T.Oldaker Verified

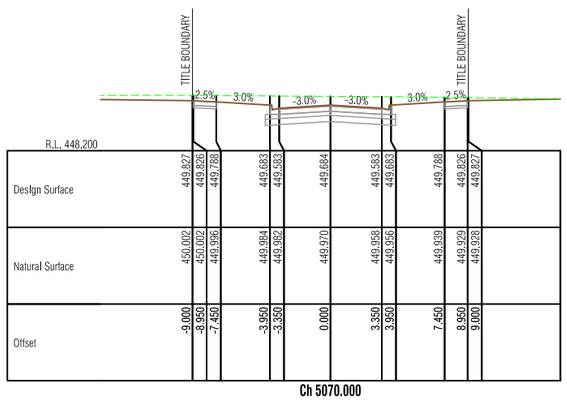
Scale (A1) 1:200H, 1:100VScale (A3) 1:400H, 1:200V
HOR 0 2 4 6 8 10
VER 0 1 2 3 4 5

Sheet Number
9 of 11

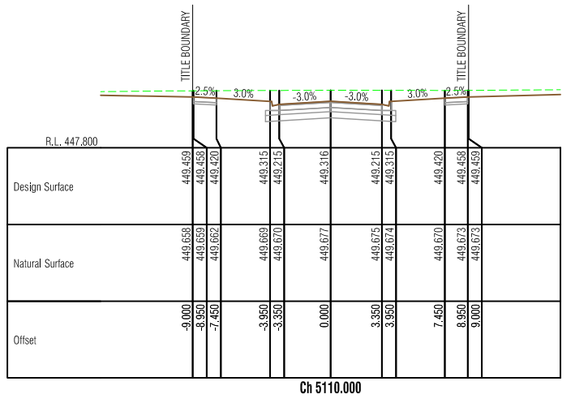
Drawing Number
LUX12-CD-009

Revision
B

Ch 5030.000

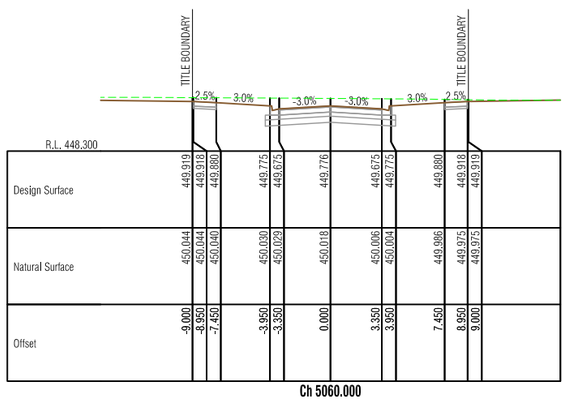


Ch 5070.000

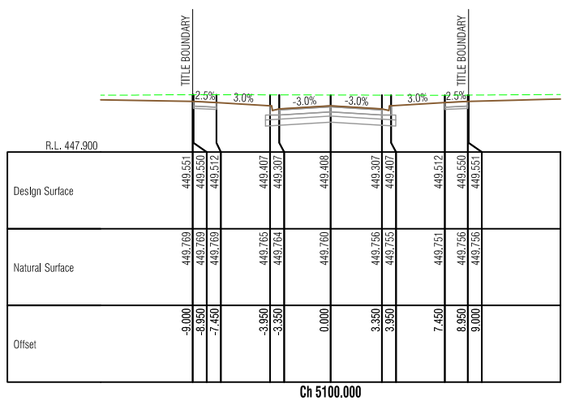


Ch 5110.000

Ch 5020.000

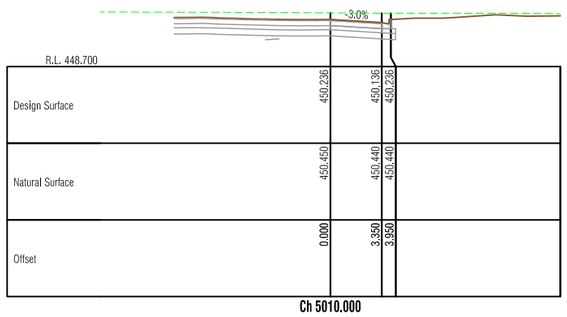


Ch 5060.000

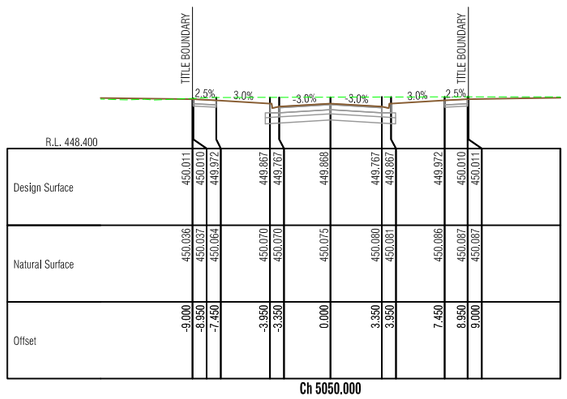


Ch 5100.000

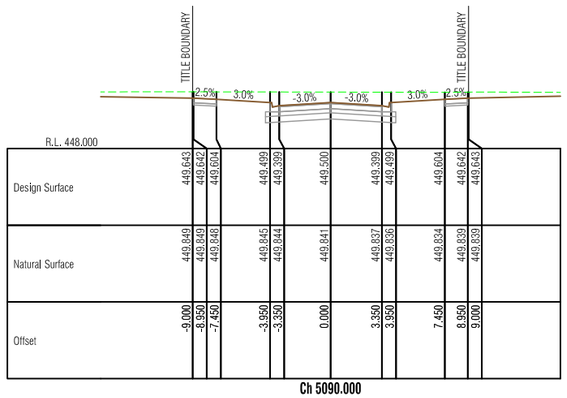
FOR SETOUT DETAILS REFER TO DRAWING No. LUX12-CD-004



Ch 5010.000



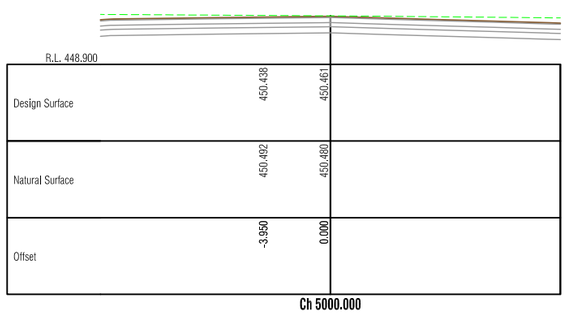
Ch 5050.000



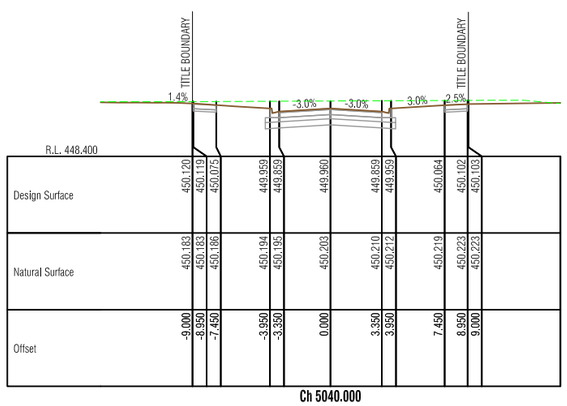
Ch 5090.000

SHORTRIDGE DRIVE

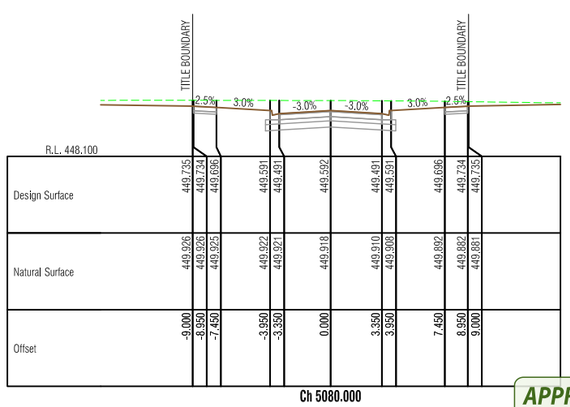
FOR SETOUT DETAILS REFER TO DRAWING No. LUX12-CD-004



Ch 5000.000



Ch 5040.000



Ch 5080.000

APPROVED
By Jeff Colbourne at 8:23 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra
1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
CROSS SECTIONS
COCKERALL STREET
(CH 5000.000 - CH 5110.00)

Status
APPROVED
AS CONSTRUCTED

Designer	Checker	Verified
D.Georgalas	T.Oldaker	

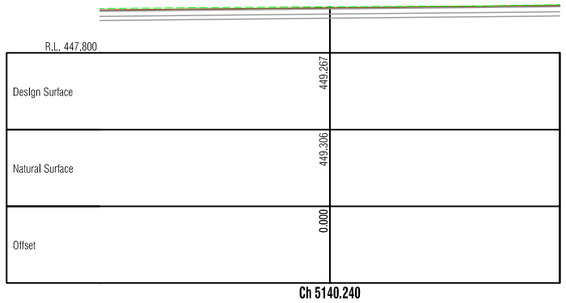
Scale (A1) 1:200H, 1:100VScale (A3) 1:400H, 1:200V
HOR 0 2 4 6 8 10
VER 0 1 2 3 4 5

Sheet Number
10 of 11

Drawing Number LUX12-CD-010
Revision B

MOORE WAY

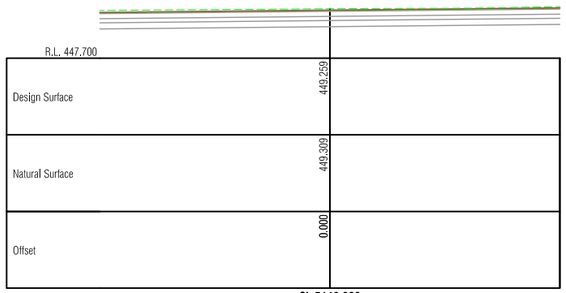
FOR SETOUT DETAILS REFER
TO DRAWING No. LUX12-CD-004



Ch 5140.240

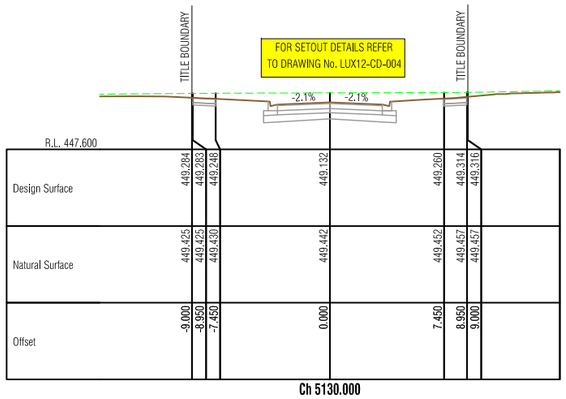
MOORE WAY

FOR SETOUT DETAILS REFER
TO DRAWING No. LUX12-CD-004

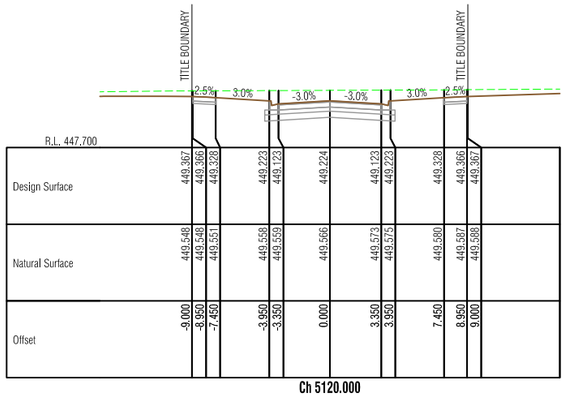


Ch 5140.000

FOR SETOUT DETAILS REFER
TO DRAWING No. LUX12-CD-004



Ch 5130.000



Ch 5120.000

APPROVED
By Jeff Colbourne at 8:24 am, Feb 19, 2019

General Notes

SAFETY FIRST
SAFETY STARTS WITH YOU

Rev	Amendment	Initials	Date
D			
C			
B	As Constructed Plans	DG	07/01/19
A	Issued for Approval	DG	26/04/18

Integra

1728 Sturt St, Alfredton
Post Office Box 4226
Alfredton Victoria 3350
T: 03 5322 5999 F: 03 5322 5995

Project
LUCAS ESTATE
RESIDENTIAL SUBDIVISION
STAGE X12
LUCAS, Vic

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
CROSS SECTIONS
COCKERALL STREET
(CH 5120.000 - CH 5140.240)

Status
APPROVED
AS CONSTRUCTED

Designer	Checker	Verified
D.Georgalas	T.Oldaker	

Scale (A1) 1:200H, 1:100VScale (A3) 1:400H, 1:200V

HOR 0 2 4 6 8 10
VER 0 1 2 3 4 5

Sheet Number
11 of 11

Drawing Number
LUX12-CD-011

Revision
B