



- General Notes
1. ALL HD CONNECTIONS WITH CHAINAGE TO CONNECT TO UNDERGROUND DRAINAGE
 2. RUNNING CHAINAGE OF HD TAKEN FROM NEXT DOWNSTREAM PIT. ALL OTHER HD CONNECTIONS ARE TO KERB.
 3. SUBSURFACE DRAINS TO OUTLET TO DRAINAGE PITS
 4. ROAD DIMENSIONS ARE SHOWN TO LIP OF KERB AND CHANNEL
 5. RL SHOWN AT HOUSE DRAINS ARE INVERT OF PIPE AT 300mm INSIDE TITLE BOUNDARY/EASEMENT. HOUSE DRAINS MUST NOT BE HIGHER THAN LEVEL SHOWN.
 6. ALL DRAINAGE PIT LIDS TO BE CLASS "B" UNLESS OTHERWISE NOTED.
 7. DRAINAGE PIPES ARE TO BE RCP OR RIBBED POLYPROPYLENE PIPES (PP) AS APPROVED BY CITY OF BALLARAT.
 8. ALL DRAINAGE PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURES SPECIFICATION.
 9. POTENTIAL DRIVEWAY LOCATIONS SHOWN ARE INDICATIVE ONLY. IT IS THE RESPONSIBILITY OF THE PURCHASER TO APPLY FOR THE RELEVANT APPROVALS AND CONSTRUCT THE DRIVEWAY.

SAFETY FIRST
SAFETY STARTS WITH YOU!

Rev	Issued for Approval	Amendment	Initials	Date
D				
C				
B				
A				



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Project
**LUCAS GRANGE ESTATE
RESIDENTIAL SUBDIVISION
STAGE 3A
LUCAS**

Authority
Ballarat City Council - (03) 5320 5500

Drawing Title
DRAINAGE PLAN

Status
**APPROVED
ISSUED FOR CONSTRUCTION**

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

Sheet Number
3 of 7

Drawing Number: **LUG3A-CD-003**
Revision: **A**

LEGEND

- SEWER PITS
- S — SEWER MAIN
- STORMWATER PITS
- S — STORMWATER PIPE
- E — ELECTRICITY
- T — NBN
- W — SUBSOIL DRAIN
- W — WATER MAIN
- F/S 448.801 FINISHED SURFACE LEVEL
- 448.802 EXISTING SURFACE LEVEL
- ASPHALT
- FOOTPATH
- ⊗ POTENTIAL DRIVEWAY

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

PIT SCHEDULE

Pit No.	TYPE	PIT DIMENSIONS			PIT LEVELS		PIT LOCATION		FACE BRG DEG MIN	COMMENTS
		L	W	D	INVERT	TOP	EASTING	NORTHING		
B8-10-3a	JP	900	600	1,247	440,597	441,832	745326,778	5840070,836	9°52'	PROVIDE STEP IRONS. REFER TO SD420
B8-10-3b	EP	-	-	-	442,100	-	745331,697	5840098,807	-	-
B8-10-4e	EP	-	-	-	440,331	-	745335,688	5840070,707	-	-
B8-10-5	SEP	900	600	1,440	441,756	443,196	745345,313	5840126,888	189°52'	PROVIDE STEP IRONS. REFER TO SD405 & SD431.
B8-10-5a	SEP	900	600	1,355	441,841	443,196	745336,939	5840128,346	9°52'	PROVIDE STEP IRONS. REFER TO SD405 & SD431.
B8-10-5b	JP	900	600	0,711	443,013	443,724	745344,506	5840172,705	9°52'	REFER TO SD420
B8-10-5c	EP	-	-	-	443,339	-	745346,735	5840185,512	-	-
B8-10-5d	EP	-	-	-	442,464	-	745334,538	5840114,553	-	-
B8-10-6	SEP	900	600	1,508	442,776	444,284	745359,029	5840205,704	189°52'	PROVIDE STEP IRONS. REFER TO SD405 & SD431.
B8-10-6e	EP	-	-	-	444,092	-	745359,132	5840206,295	-	-
B8-10-7	SEP	900	600	1,196	443,088	444,284	745350,655	5840207,161	9°52'	REFER TO SD405 & SD431.
B8-10-8	EP	-	-	-	444,093	-	745354,393	5840228,638	-	-

NOTE: SETOUT POINTS ARE TO CENTRE OF BASE OF PIT