

LEGEND

- DESIGN SURFACE CONTOURS
- PROPOSED STORMWATER DRAINAGE PIPE
- EXISTING STORMWATER DRAINAGE PIPE & PIT
- PROPOSED TELSTRA
- PROPOSED POWER
- PROPOSED WATER MAIN
- PROPOSED GAS MAIN
- FUTURE SEWER MAIN
- EXISTING SEWER
- PROPOSED TITLE BOUNDARY
- PROPOSED EASEMENT
- PROPOSED ROAD/BERM & CHANNEL/BALLARAT TYPE BCC2
- PROPOSED ROAD CENTRELINE
- PROPOSED JUNCTION PIT
- PROPOSED SIDE ENTRY PIT
- PROPOSED HOUSE DRAIN CONNECTION & PROPERTY INLET PIT: (P) PIPE (K) KERB
- LOT NUMBER & DIRECTION OF NATURAL SURFACE FALL
- PROPOSED FOOTPATH
- EXTENT OF PROPOSED ROAD PAVEMENT
- PROPOSED AGI PIPE DRAIN
- EXTENT OF FILL (300mm+)

NOTE: THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY CLIENT SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY CARDNO AS TO THE ACCURACY OF THE DATA DRAWINGS OR DATA. ANY USE OF THE DATA DRAWINGS OR DATA FOR ANY PURPOSES OTHER THAN THAT INTENDED BY THE CLIENT SHALL BE AT THE USER'S RISK. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES. THE CLIENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AUTHORITIES.

NOTE: AGRICULTURAL DRAINS ARE TO BE LOCATED AT BACK OF KERB & CHANNEL, WITH THE EXCEPTION OF WHERE A STORMWATER PIPE IS TO BE LOCATED. REFER DIM STANDARD DRAWING SD 145

NOTE: ALTERNATIVE PIPE MATERIAL CAN BE UTILISED PROVIDING THEY MEET THE REQUIRED LOAD, SPECIFICATIONS & AUTHORITY REQUIREMENTS

NOTE: THE ORIENTATION OF ALL STORMWATER DRAINAGE ACCESS COVERS & GRATES ARE SHOWN INDICATIVELY AND ARE TO BE MANUFACTURED & INSTALLED IN ACCORDANCE WITH ASS9996:2006

NOTE: THE CONTRACTOR IS TO CONFIRM INVERT LEVELS OF ALL EXISTING PITS PRIOR TO ANY DRAINAGE WORKS COMMENCING

NOTE: ALL KERB & CHANNEL IS CITY OF BALLARAT TYPE BCC2 UNLESS OTHERWISE NOTED

NOTE: CONTRACTOR TO CONFIRM EXISTING PAVEMENT LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER. ALL KERB SETOUT TO BE INSPECTED AND APPROVED BY THE COUNCIL OFFICER PRIOR TO PLACEMENT OF KERB & CHANNEL

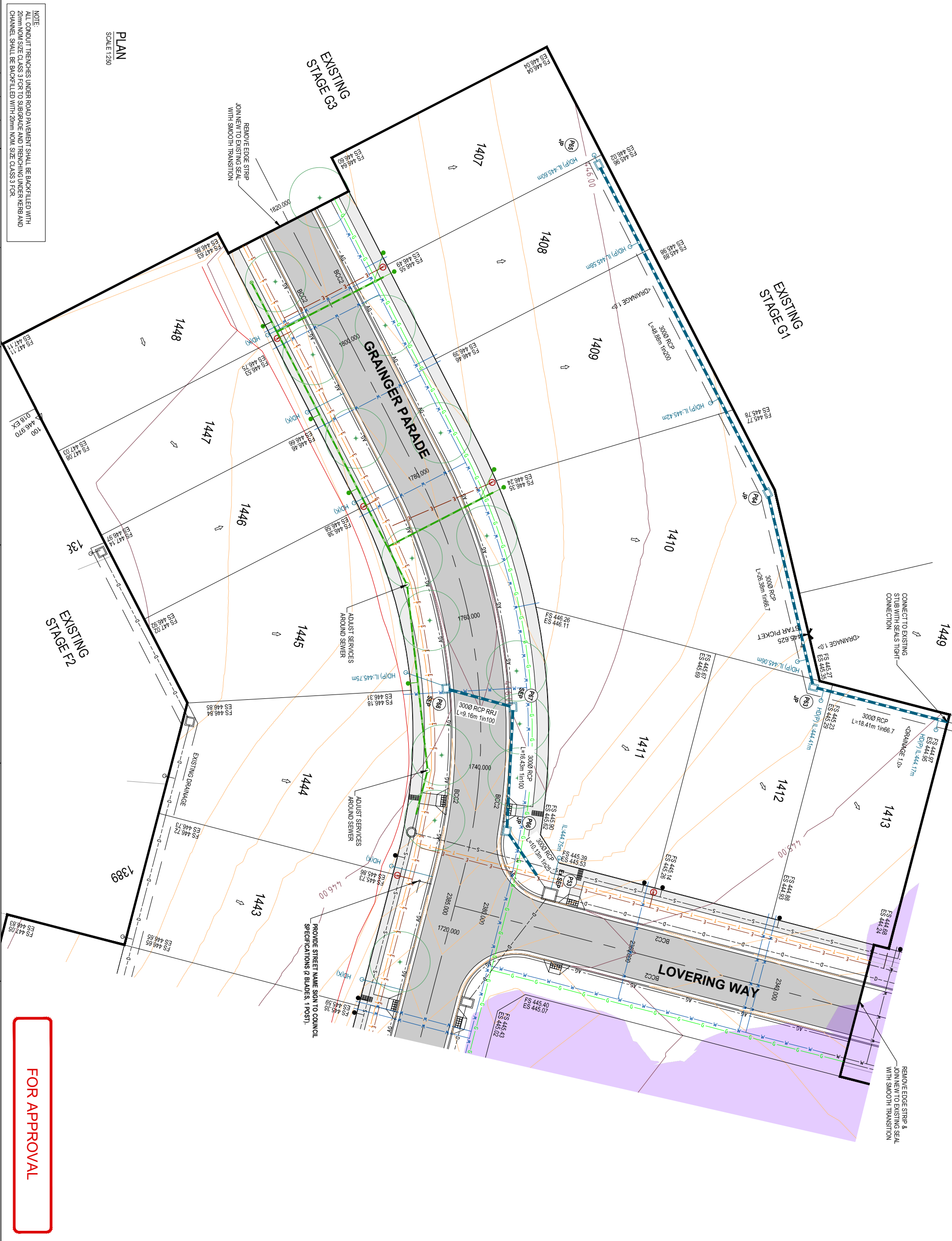
NOTE: TACTILE GROUND SURFACE INDICATORS FOR ALL PEDESTRIAN ROUTES TO BE INSTALLED TO AS1428.4 DISABILITY DISCRIMINATION ACT, VICROADS AND CITY OF BALLARAT REQUIREMENTS

NOTE: ALL SIGNS & LINE MARKING TO BE INSTALLED IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2: SIGNS & MARKINGS

NOTE: THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE SHOWN INDICATIVELY ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL AUTHORITIES TO DETERMINE THE LOCATION OF UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK. ANY CLASH OF WORKS WITH A SERVICE IS TO BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL ENSURE THAT ALL SERVICES ARE FULLY PROTECTED DURING CONSTRUCTION. ANY SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE

NOTE: HOUSE DRAINS TO BE CONNECTED TO KERB IN ACCORDANCE WITH I.D.M. SD 505 OR CONNECTED TO PIPE IN ACCORDANCE WITH I.D.M. SD 515

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED
01	PRELIMINARY	05/12/19	J.H.	R.F.					
02	PRELIMINARY	24/01/2020	J.H.						
03	APPROVAL	13/02/2020	S.L.						
04	APPROVAL - COUNCIL COMMENTS	20/02/2020	S.L.						



NOTE: ALL CONDUIT TRENCHES UNDER ROAD PAVEMENT SHALL BE BACKFILLED WITH 20mm NOM SIZE CLASS 3 FOR TO SUBGRADE AND REINCHING UNDER KERB AND CHANNEL SHALL BE BACKFILLED WITH 20mm NOM SIZE CLASS 3 FOR

PLAN
SCALE 1:250

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FOR APPROVAL

CIVIL DRAWING

ROAD & DRAINAGE LAYOUT PLAN

SHEET 1 OF 2

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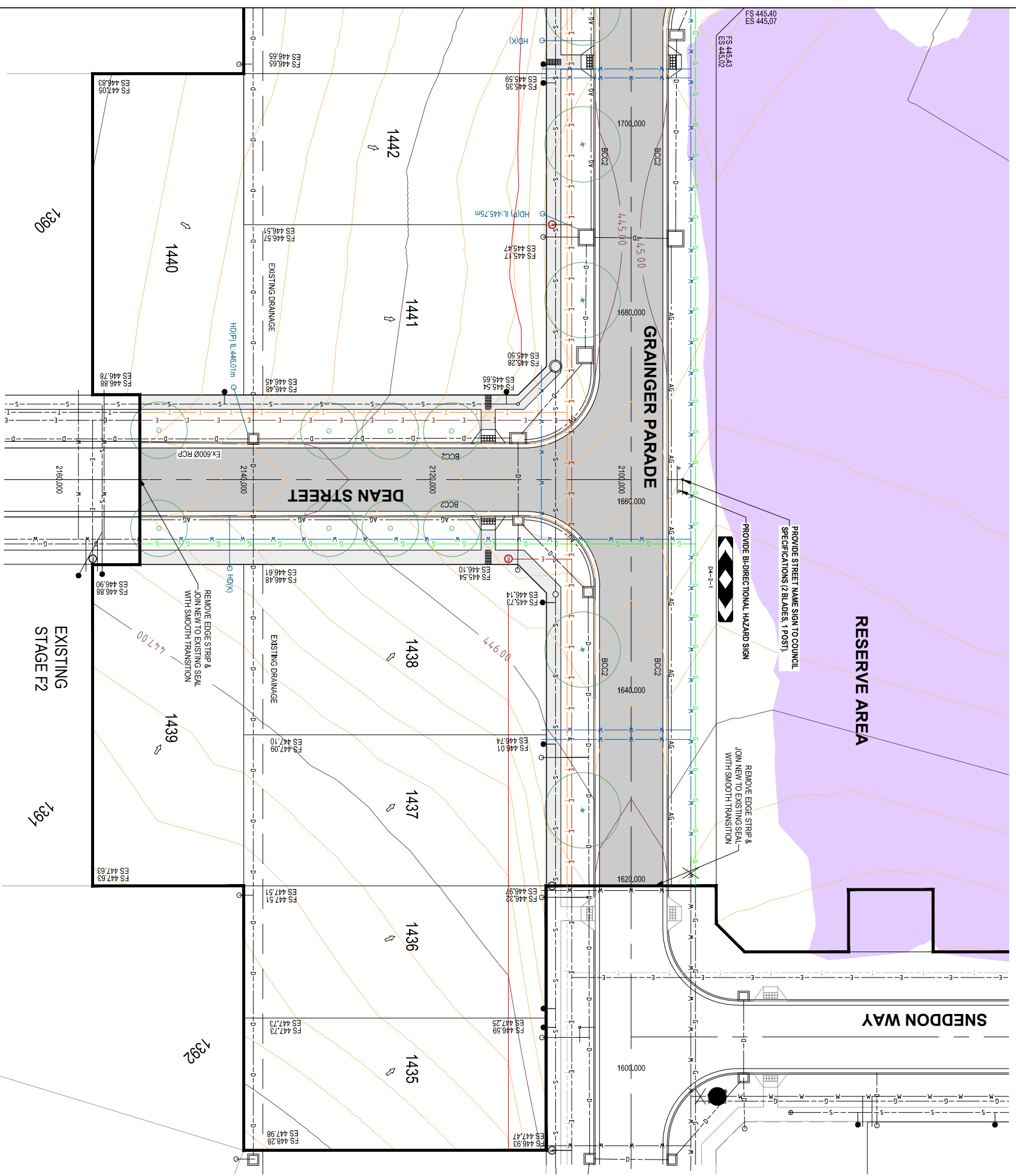
LUCAS ESTATE RESIDENTIAL SUBDIVISION STAGE F3B (21 LOTS)

18775-203B

C02 11

04

This plan is provided for marketing and information purposes only, it shows design levels only which may change during construction. Builders should check all information prior to the building process. Where discrepancies exist between the plan of subdivision and this plan, the plan of subdivision shall be taken as correct. It is the responsibility of the prospective purchaser to confirm prior to purchase, all lot levels, fill depth and all service locations are correct.



PLAN
SCALE 1:250

NOTE:
AGRICULTURAL DRAINS ARE TO BE LOCATED AT BACK OF KERB & CHANNEL, WITH THE EXCEPTION OF WHERE A STORMWATER PIPE IS TO BE LOCATED. REFER DIM STANDARD DRAWING SD 145

NOTE:
TACTILE GROUND SURFACE INDICATORS FOR ALL PEDESTRIAN ROUTES TO BE INSTALLED TO AS 1428.4, DISABILITY DISCRIMINATION ACT, VICORADS AND CITY OF BALLARAT REQUIREMENTS

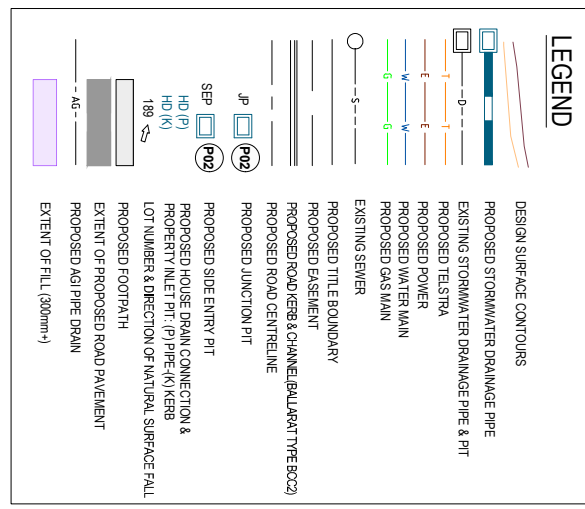
NOTE:
THE LOCATION OF ALL STORMWATER DRAINAGE ACCESS COVERS & GRATES ARE SHOWN INDICATIVELY AND ARE TO BE MANUFACTURED & INSTALLED IN ACCORDANCE WITH AS9996-2/06

NOTE:
HOUSE DRAINS TO BE CONNECTED TO KERB IN ACCORDANCE WITH I.D.M. SD 505 OR CONNECTED TO PIPE IN ACCORDANCE WITH I.D.M. SD 515.

NOTE:
CONTRACTOR TO CONFIRM EXISTING PAYMENT LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER. ALL KERBS SET OUT TO BE INSPECTED AND APPROVED BY THE COUNCIL OFFICER PRIOR TO PLACEMENT OF KERB & CHANNEL.

NOTE:
CONTRACTOR TO CONFIRM EXISTING PAYMENT LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER. ALL KERBS SET OUT TO BE INSPECTED AND APPROVED BY THE COUNCIL OFFICER PRIOR TO PLACEMENT OF KERB & CHANNEL.

FOR APPROVAL



BENCHMARK LOCATIONS		SUGGESTED SERVICES OFFSET TABLE	
TBM-5	E: 745017.151 N: 5941597.394	TELECOMMS	2.70 (SW)
TBM-6	E: 744795.577 N: 5941478.946	ELEC	2.70 (SW)
TBM-7	E: 744887.461 N: 5941357.208	GAS	2.70 (SW)
		WATER	2.70 (NE)
		SEWER	2.70 (NE)
			2.70 (NE)
			2.70 (NE)
			2.00 (NE)
			2.50 (NE)
			1.00 (SW)

THE CONTRACTOR IS TO CONFIRM ALL EXISTING & PROPOSED SERVICE OFFSETS, DEPTHS & CLEARANCES TO ANY EXISTING & PROPOSED INFRASTRUCTURE WITH THE RESPONSIBLE AUTHORITY PRIOR TO CONSTRUCTION.

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUED FOR	DATE	DRAWN	APPROVED
01	PRELIMINARY	05/17/19	J.H.	R.F.	DESIGNED	NOVEMBER 2019	J. HAPFIELD	S. LOTAY
02	PRELIMINARY	24/01/2020	J.H.		DRAWN	AS SHOWN	CARDINO TGM	
03	APPROVAL	13/02/2020	SL		CHECKED	A1 / A3	R. FERGUSON	
					DATE			
					DATE			

1315 Sturt Street, Ballarat, VIC Australia PO Box 553W, Ballarat (West) 3250
Phone +61 3 5330 8888 Fax +61 3 5333 3815
Email info@cardno.com.au Web www.cardno.com

PROJECT: LUCAS ESTATE RESIDENTIAL SUBDIVISION STAGE F3B (21 LOTS)

DRAWING TITLE: ROAD & DRAINAGE LAYOUT PLAN

SHEET: SHEET 2 OF 2

DATE: 18775-203B

REV: C03 OF 11

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