



DRAWING INDEX

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STANDARD DETAILS TABLE

08.05.2024 RJF R.D.

14.10.2024 RJF R.D.

13/11/2024 GD RD

2025 GD BR

R.D.

R.D.

28.05.2024 RJF

13.06.2024 RJF

02 APPROVAL

03 APPROVAL

A FOR CONSTRUCTIO

DESCRIPTION	AUTHORITY	STANDARD DETAIL REFERENCE
BCC2 BARRIER KERB & CHANNEL	CITY OF BALLARAT	SD-K1 STANDARD KERB SECTIONS
HOUSE DRAIN CONNECTIONS	IDM	SD140 / SD505 / SD516
AG DRAINS	IDM	SD145
CONCRETE FOOTPATH	IDM	SD205 / SD210
TRENCH BACKFILL	IDM/CITY OF BALLARAT	SD-D8-1/SD 310
UNHAUNCHED PITS	IDM	SD405
HAUNCHED PITS	IDM	SD410
JUNCTION PITS	IDM	SD420
SIDE ENTRY PITS	IDM	SD431
DOUBLE SIDE ENTRY PITS	IDM	SD445
GRATED PITS	IDM	SD455

S. THAPA

STANTEC

M ANTON

H. DANG

MAY 2024

N.T.S

A1 / A3

R. DUNN

08.05.2024

Stantec

STAGE 4 DREWS PADDOCK HEINZ LANE, INVERMAY **ROAD & DRAINAGE WORKS**

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL JIBINEL MONTHS OF DATA SHOULD BE OHECKED AGAINST EMISTING THE PEGS, TEMPORARY ANDOR RAWWINGS OR DATA SHOULD BE OHECKED AGAINST EMISTING THE PEGS, TEMPORARY ANDOR SHE FOUR THE PROPERTY SHOWN AND AGAINST EMISTING THE PROJECT FEMAL SHE FOUR THE PROPERTY OF THE PROPERTY OF THE PROJECT FEMAL SHE FOUR THE PROPERTY OF THE PROPERTY OF THE PROJECT FEMAL SHE FOUR THE PROPERTY OF THE PROJECT OF THE PROJECT FEMAL THE PROPERTY OF THE PROPERTY OF THE PROJECT FEMAL THE PROPERTY OF THE PROPERTY OF THE PROJECT FEMAL THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROJECT FEMAL THE PROPERTY OF THE PROPER



GENERAL NOTES

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER RELEVANT CONSULTANTS DRAWINGS, SPECIFICATIONS, CLIENT INSTRUCTIONS, AND ANY WRITTEN INSTRUCTIONS ISSUED DURING THE COURSE OF THE

DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.

SUBSTITUTES WILL NOT BE PERMITTED WITHOUT THE WRITTEN

DURING CONSTRUCTION THE SITE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART OF THE SITE SHALL BE UNSAFE AS A RESULT OF THE CONSTRUCTION PROCEDURE.

MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION AND CITY OF BALLARAT STANDARDS, THE CURRENT REVISION OF ALL RELEVANT SAA CODES, THE REQUIREMENTS OF THE VICTORIA BUILDING REGULATIONS, THE BUILDING CODE OF

UNLESS NOTED OTHERWISE ON A PARTICULAR DRAWING THESE

THE TERM "ENGINEER" SHALL MEAN A REPRESENTATIVE APPOINTED.

BY THE CITY OF BALLARAT / CLIENT. CONSTRUCTION HOLD POINTS

THE CONTRACTOR IS TO BE AWARE OF THE <u>CITY OF BALLARAT</u> CONSTRUCTION REQUIREMENTS AND CONTACT THE <u>CITY OF BALLARAT</u> AT EACH OF THEIR REQUIRED HOLD POINTS TO ARRANGE APPROPRIATE

SUB-GRADE INSPECTION - NO CRUSHED ROCK OR OTHER PAVEMENT MATERIAL IS TO BE PLACED UNTIL THE SUBGRADE HAS BEEN INSPECTED AND APPROVED BY THE COUNCIL OFFICER.

TEST ROLLING - SHALL BE CARRIED OUT IN THE PROCESS OF AND TO THE SATISFACTION OF THE $\underline{\text{COUNCIL OFFICER}}$

PRIMER COAT - THE <u>COUNCIL OFFICER</u> IS TO GIVE APPROVAL PRIOR TO THE PLACEMENT OF THE PRIMER COAT.

RITHMINOUS CONCRETE WEARING COURSE - (PLACING AND COMPACTION). NO LAYER SHALL BE SPREAD UNTIL THE COUNCIL OFFICER GIVES CONSENT TO PROCEED.

PLACING - CONCRETE SHALL NOT BE PLACED UNTIL THE <u>COUNCIL</u>
<u>OFFICER</u> HAS EXAMINED FORMWORK AND REINFORCEMENT IN PLACE
AND GIVEN HIS CONSENT TO PROCEED.

FORMS - THE FORMS SHALL BE INSPECTED BY THE COUNCIL OFFICER IMMEDIATELY BEFORE CONCRETE IS PLACED.

PREPARATION BEFORE PLACING FRESH CONCRETE - THE SURFACE PREPARATIONS WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE COUNCIL OFFICER BEFORE CONCRETING PROCEEDS.

BACKELLING - NO JOINTS ARE TO BE COVERED OR TRENCHES BACKFILLED UNTIL PIPE LAYING HAS BEEN APPROVED BY THE COUNCIL

DRAINAGE PITS - COVERS SHALL NOT BE PLACED UNTIL THE PITS HAVE BEEN INSPECTED AND APPROVED BY THE COUNCIL OFFICER.

CONCRETE NOTES

REFER VICROADS SPECIFICATION STANDARD SECTION 703 "GENERAL CONCRETE PAVING" FOR CONSTRUCTION DETAILS AND ASSOCIATED REFERENCES.

ALL CONCRETE AND CONCRETE PRACTICE SHALL BE GENERALLY IN ACCORDANCE WITH AS 3600 CONCRETE STRUCTURES COD

ALL INSITU CONCRETE SHALL HAVE A CHARACTERISTIC STRENGTH AT 28 DAYS (F'c) OF 25 MPa UNLESS NOTED

CONCRETE ELEMENTS SHOWN ON THESE DRAWINGS MUST NOT CONCRETE ELEMENTS SHOWN ON IT HESE DRAWNINGS MUST NO! THE ENCORPER SHOWN OF THE MEDICAL SHOWN OF THE MEDICAL SHOWN OF THE MEDICAL SHOWN WILL BE PERMITTED IN ANY CONCRETE ELEMENTS WITHOUT THE ENGINEERS APPROVAL.

REINFORCEMENT NOTATION R - DENOTES STRUCTURAL GRADE PLAIN ROUND

BARS TO AS 1302 N - DENOTES HOT ROLLED DEFORMED BARS TO

AS 1302 (410Y) SL72 - DENOTES REINFORCEMENT FABRIC TO AS 1304

(72 DENOTES SIZE OF FABRIC)

LAPPING REINFO	DRCEMENT	50 50
MESH —	••••	_ • • •
TRENCH MESH	500mm	FULL WIDTH AT INTERSECTION
BAR SIZE	TOP BARS (300mm OR MOF CONCRETE BEL	OTHER BARS RE OW)
N12 N16	700	300 400

CLEAR COVER TO REINFORCEMENT SHALL BE AS NOTED

CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF APPROVED CHAIRS AND/OR CONCRETE BLOCKS CONDUITS, PIPES ETC. ARE NOT TO BE PLACED IN

THE SLUMP OF ALL CONCRETE AT THE TIME OF PLACING AT THE JOB SHALL BE 75mm +/- 15mm TOLERANCE U.N.O.

ALL CONCRETE PLACED IN POSITION SHALL BE ADEQUATELY

ALL CONCRETE SHALL BE CURED TO THE APPROVAL OF

ALL PIPEWORK CAST INTO CONCRETE IS TO BE SLEEVED OR LAGGED WITH APPROPRIATE COMPRESSIBLE MATERIAL FOR THE FULL LENGTH OF EMBEDMENT.

ASPHALT NOTES

BENCHMARK LOCATIONS

TBM 1 E: 752018.28 N: 5843145.31 RL: 443.33

TBM 2 E: 751996.94 N: 5843438.99 RL: 444.01

REFER VICROADS SPECIFICATION STANDARD SECTION 407 "HOT MIX ASPHALT" FOR CONSTRUCTION DETAILS AND ASSOCIATED REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

ALL LEVELS SHOWN ARE BASED ON SITE DATUM, REFER TO SITE

COORDINATES ARE GROUND DISTANCES BASED ON SITE DATUM

UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE ENGINEER. LAYING OF ALL PIPES OR CULVERTS SHALL COMMENCE AT THE

PRIOR TO ANY WORKS COMMENCING THE CONTRACTOR SHALL COMPLETE A CHECK OF ANY EXISTING CONNECTING STORMWATER DETAILS, INCLUDING INVERTS, DIAMETERS, DEPTHS, MATERIAL ETC. TO CONFIRM ANY EXISTING DETAILS SHOWN ON THE DRAWINGS. ANY DISCREPANCY SHALL BE REPORTED TO THE

STORMWATER DRAINS ARE TO BE PVC SEWER QUALITY PIPES OR REINFORCED CONCRETE AS NOTED.

RC PIPES ARE TO BE RUBBER RING JOINTED CLASS 3 UNDER VEHICLE PAVEMENTS. ALL RC PIPES ELSEWHERE ARE TO BE CLASS 2 WITHOUT RUBBER RING JOINTS.

DRAINAGE PIPES MUST BE BEDDED IN ACCORDANCE WITH THESE

DRAINAGE, SERVICES AND CONDUIT TRENCHES UNDER PAVEMENTS, FOOTPATHS AND PAVING ARE TO BE BACKFILLED TO THE UNDERSIDE OF THE PAVEMENT WITH AN APPROVED CONSOLIDATED MATERIAL IN ACCORDANCE WITH THE RELEVANT MUNICIPALITIES CONDITIONS

ANY CLASH OF THE WORKS WITH A SERVICE IS TO BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL ENSURE THAT SERVICES ARE FULLY PROTECTED DURING CONSTRUCTION, ANY SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTORS

SERVICES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY EXIST. THE CONTRACTOR IS TO ALLOW FOR THE ALTERATION TO SERVICES WITHIN THE SITE, INCLUDING THE ADJUSTMENT OF PI COVER LEVELS AND THE REMOVAL AND SEALING OF UNWANTED SERVICES & ASSOCIATED PITS & FITTINGS.

EXPOSED SUBGRADE AREAS SHALL BE PROOF ROLLED UNDER THE SUPERVISION OF THE ENGINEER USING A 10 TONNE AXLE LOAD, SOFT AREAS DETECTED SHALL BE EXCAVATED AND BACKFILLED AS DIRECTED BY THE ENGINEER.

THE PAVEMENT SUB-BASE COURSE IS TO BE COMPACTED TO 97% MODIFIED MAXIMUM DRY DENSITY COMPACTION. THE PAVEMENT BASE COURSE TO 98% MODIFIED MAXIMUM DRY DENSITY. TESTING LOCATIONS IN ACCORDANCE WITH VICROADS SPECIFICATIONS RC316.10. ALL PAVEMENT TESTING TO NATA

ALL WORKS ADJACENT TO THE SITE ARE TO BE APPROVED INSPECTED BY CITY OF BALLARAT.

THE LOCATION OF LINDERGROUND SERVICES SHOWN ARE THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE INDICATIVE 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, ANY SERVICES

DURING CONSTRUCTION SHALL BE REPAIRED AT THE

CONTRACTORS EXPENSE.

PROVIDE TOOLED JOINTS IN KERBS, KERB AND CHANNEL AT

ALL DISTURBED SURFACES, FENCING & OTHER ITEMS TO BE RE-INSTATED TO ORIGINAL CONDITION.

PROVIDE 0.3m RADIUS TO KERBS AT INTERNAL CORNERS UNLESS NOTED OTHERWISE.

SAWCUT EXISTING KERBS & PAVEMENTS WHERE REQUIRED FOR INSTALLATION OF NEW KERBS AND WHERE NEW WORK IS TO

THE CONTRACTOR SHALL AT ALL TIMES DURING THE CURRENCY OF THE WORK PROTECT THE PUBLIC FROM THE WORKS, PLANT, TRENCHES ETC. OCCASIONED BY THE WORKS BY THE USE OF APPROVED BARRICADES AND BARRIERS. SUCH PROTECTIVE MEASURES WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND A REPRESENTATIVE FROM CITY OF BALLARAT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INJURY ARISING FROM THE NEGLECT OR INSUFFICIENCY OF SUCH

THE CONTRACTOR IS ADVISED THAT THE MINES (TRENCHES) REGULATIONS 1982 WILL APPLY TO THIS PROJECT. THE CONTRACTOR IS REQUIRED TO SATISFY AND/OR PUT INTO EFFECT ALL REQUIREMENTS OF THOSE REGULATIONS AND THOSE OF THE OFFICE OF MINERALS AND ENERGY

THE WORKS SHOWN HEREIN ARE SUBJECT TO THE SUPERVISION OF THE PRINCIPAL'S APPOINTED SUPERINTENDEN

CARE IS TO BE TAKEN TO PROTECT EXISTING FENCES, BUILDINGS, FITTINGS, SERVICES, FURNITURE, SIGNAGE, TREES AND OTHER ITEMS TO BE RETAINED FROM ANY DAMAGE.

UNWANTED PITS. PIPES SERVICES ECT. IN PAVEMENT AREAS ARE OWNAMILED THIS, PIECS SERVICES EQT. IN PREMEMENT AREAS ARE
TO BE REMOVED AND THE HOLE BACKFILLED WITH AN APPROVED
CONSOLIDATED MATERIAL IN ACCORDANCE WITH THE RELEVANT
MUNICIPALITIES CONDITIONS.

THE CONTRACTOR SHALL INSPECT THE SITE AND DETERMINE THE EXISTING ASPHALT PAVING, PITS, PIPES, SERVICES, TREES, KERBS DRAINS, BUILDINGS, FITTINGS, FURNITURE, SIGNAGE, ETC, THAT ARE TO BE REMOVED AND THE CONTRACTOR SHALL ALLOW IN THE TENDER PRICE FOR ALL COSTS ASSOCIATED WITH THE

IN AREAS WHERE THERE IS TO BE FILLING UNDER PAVEMENT AREAS, THE SUBGRADE SHALL BE CLEARED OF MAY ROOT MATTER AND LOOSE MATERIAL TO THE DESIGN LEVELS. THE SUBGRADE AREA SHALL BE PROOF ROLLED UNDER THE ENGINEERS SUPIVISION USING A 10 TONNE AXLE LOAD TO LOCATE ANY SOFT SPOTS. ANY SOFT SPOTS SHALL BE EXCAVATED AND REPLACED WITH AN APPROVED MATERIAL IN 150mm COMPACTED LAYERS TO MODIFIED DRY DENSITY OF 95% COMPACTION.

CONTRACTOR TO PROVIDE LEVEL 1 INSPECTION AND TESTING AS PER AS 3798-2007 FOR EARTHWORKS

THE CONTRACTOR SHALL ALLOW TO PROVIDE TEMPORARY

SURPLUS SPOIL NOT REQUIRED BY THE DEVELOPER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE, TO THE MUNICIPAL TIP OR A SITE APPROVED UNDER THE COUNCIL PLANNING & ENVIRONMENT ACT

THE CONTRACTOR SHALL DEVELOP AND ENSURE THE STRICT IMPLEMENTATION OF AN APPROVED SITE ENVIRONMENT MANAGEMENT SYSTEM GENERALLY IN ACCORDANCE WITH THE EPA PUBLICATION CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL, PUBLICATION No. 275.1

THE ORIENTATION OF ALL STORMWATER DRAINAGE ACCESS COVERS & GRATES ARE SHOWN INDICATIVELY AND ARE TO BE MANUFACTURED & INSTALLED IN ACCORDANCE WITH AS3996-2006

AS CONSTRUCTED

1 TBM 3 E: 752135.05 N: 5843444.76 RL: 447.53

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1315 Sturt Street Ballarat, VIC 3350 Tel: 03 5330 8888 Web: www.stantec.com/au

Stantec



"STAR PICKET

"STAR PICKET"



STAGE

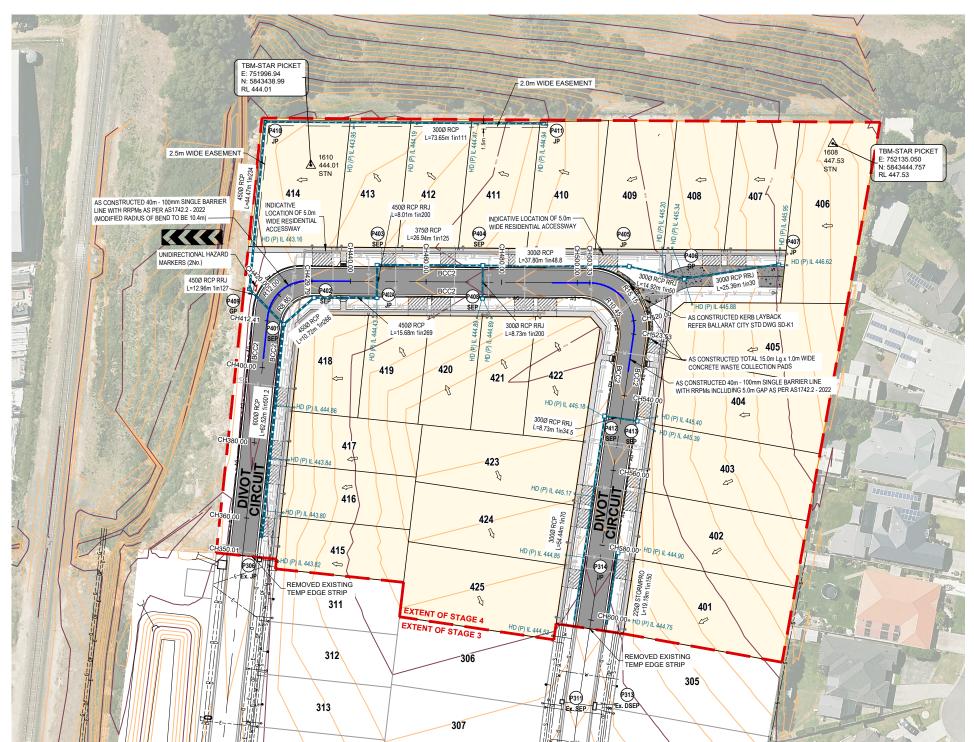
CIVIL DRAWING

GENERAL NOTES, DRAWING INDEX,

STANDARD DETAILS & LOCALITY PLAN

"C01 "11 l"

17547-204



ROAD & DRAINAGE LAYOUT

LEGEND

DESIGN / EXISTING SURFACE CONTOURS TOP OF BATTER AS CONSTRUCTED ROAD KERB & CHANNEL(NO. 2 BARRIER KER AS CONSTRUCTED ROAD CENTRELINE AS CONSTRUCTED STORMWATER DRAINAGE PIPE AS CONSTRUCTED SEWER MAIN ALIGNMENT & PIT (IN ACCORDANCE WITH CHW DESIGN DOCUMENTS) AS CONSTRUCTED OPTIC FIBRE AS CONSTRUCTED POWER AS CONSTRUCTED GAS MAIN **(** EXISTING LOT BOUNDARY EXISTING KERB & CHANNEL EXISTING STORMWATER DRAINAGE PIPE/PIT EXISTING SEWER MAIN ALIGNMENT & PIT

NOTE: CONTRACTOR IS TO BE AWARE OF THE LOCALISED LOWERING OF SERVICES INFRASTRUCTURE TO PROVIDE MINIMUM LEARANCES TO EXISTING AND PROPOSED INFRASTRUCTURE. LOCALISED LOCATIONS ARE INDICATED BASED ON ANTICIPATED SERVICE INFRASTRUCTURE ALIGNMENTS AND SHOULD BE CONSIDERED BY THE CONTRACTOR WHEN PRICING

EXISTING WATER MAIN

EXISTING GAS MAIN

ALL STORMWATER HOUSE CONNECTIONS TO PROPOSED UNDERGROUND DRAINAGE ARE TO BE CONNECTED ABOVE SPRINGLINE OF PIPE AND GRADED INTO PROPERTY AT 1 IN 100 AND BROUGHT TO SURFACE WITH RISER & CAP.

NOTE:

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL ANY USE OF THE ELECTRONIC DRAWINGS OR NOTA PROVIDED BY STANFEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANFEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANFEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED UNDERTAKEN USING STANFEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED. AGAINST EXISTING TITLE PEGS, TEMPORARY AND/OR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

TACTILE GROUND SURFACE INDICATORS FOR ALL PEDESTRIAN ROLITES TO BE INSTALLED TO AUSTRALIAN STANDARDS, DISIBILITY DISCRIMINATION ACT, VICROADS AND CITY OF BALLARAT REQUIREMENTS.

NOTE:

THE CONTRACTOR IS TO CONFIRM INVERT LEVELS OF THE EXISTING STORMWATER AT PITS P311 & P306 PRIOR TO ANY DRAINAGE WORKS COMMENCING.

NOTE:

TACTILE GROUND SURFACE INDICATORS FOR ALL PEDESTRIAN ROUTES TO BE INSTALLED TO AUSTRALIAN STANDARDS, DISIBILITY DISCRIMINATION ACT, VICROADS AND CITY OF BALLARAT REQUIREMENTS.

THE ORIENTATION OF ALL STORMWATER DRAINAGE ACCESS COVERS & GRATES ARE SHOWN INDICATIVELY AND ARE TO BE MANUFACTURED & INSTALLED IN ACCORDANCE WITH AS3996-2006.

DSEP P1 AS CONSTRUCTED DOUBLE SIDE ENTRY PIT (P01) AS CONSTRUCTED JUNCTION PIT (P01) AS CONSTRUCTED SIDE ENTRY PIT

(P01) AS CONSTRUCTED GRATED PIT

AS CONSTRUCTED MODIFIED GRATED PIT AS CONSTRUCTED HOUSE DRAIN CONNECTION & PROPERTY INLET PIT: (P) PIPE-(K) KERB

405 FALL LOT NUMBER & DIRECTION OF NATURAL SURFACE FALL

AS CONSTRUCTED CONCRETE COURT / DRIVEWAY

AS CONSTRUCTED FOOTPATH EXTENT OF AS CONSTRUCTED ROAD PAVEMENT

AS CONSTRUCTED LINEMARKING

STAGE BOUNDARY

DRIVEWAY - LOCATION SHOWN INDICATIVE ONLY (TO BE CONFIRMED ON SITE WITH PROPERTY OWNER)

ALL SIGNS & LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH VICROADS. TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS & MARKINGS.

THE CONTRACTOR IS TO NOTIFY LAND OWNERS EFFECTED BY WORKS AT LEAST 7 DAYS PRIOR TO WORKS COMMENCING.

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.

ALL DISTURBED SURFACES, FENCING & OTHER ITEMS TO BE RE-INSTATED TO ORIGINAL CONDITION.

THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE SHOWN INDICATIVELY THE LOCATION OF EXISTING UNDERGROUND SERVICES ARE SHOWN INDICATIVE. 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 CONTRACTORS EXPENSE.

THE 3D SURFACE IS TO BE USED IN CONJUNCTION WITH THE DESIGN PLANS. THERE ARE LIKELY TO BE DISCREPANCIES, AND THE DESIGN PLANS ARE TO TAKE PRECEDENCE.

THE CONTRACTOR SHOULD CONTACT STANTEC IF THERE IS UNCERTAINTY REGARDING THE INFORMATION PROVIDED.

ALL STORMWATER PIPES LOCATED BEHIND BACK OF KERB ARE TO BE BACKFILLED WITH COMPACTED NON-DESCRIPT CRUSHED ROCK OR APPROVED ALTERNATIVE, TO A MINIMUM DEPTH OF 500mm BELOW BASE OF KERB.

AGRICULTURAL DRAINS ARE TO BE LOCATED AT BACK OF KERB & CHANNEL, WITH THE EXCEPTION OF WHERE A STORMWATER PIPE IS TO BE LOCATED. REFER CITY OF BALLARAT STANDARD DRAWING SD-D2-1



AS CONSTRUCTED

S. THAPA ISSUED FOR MAY 2024 APPROVAL 08.05.2024 RJF R.D. H. DANG AS SHOWN 28 05 2024 RJF R D APPROVAL STANTEC Α1 13.06.2024 RJF R.D. M. ANTON R. DUNN 14.10.2024 RJF R.D. APPROVAL 08.11.2024 RJF R.D. 08.05.2024 08.05.2024 13/11/2024 GD RD FOR CONSTRUCTION C COPYRIGHT STANTEC 10/04/2025 GD BR AS CONSTRUCTED

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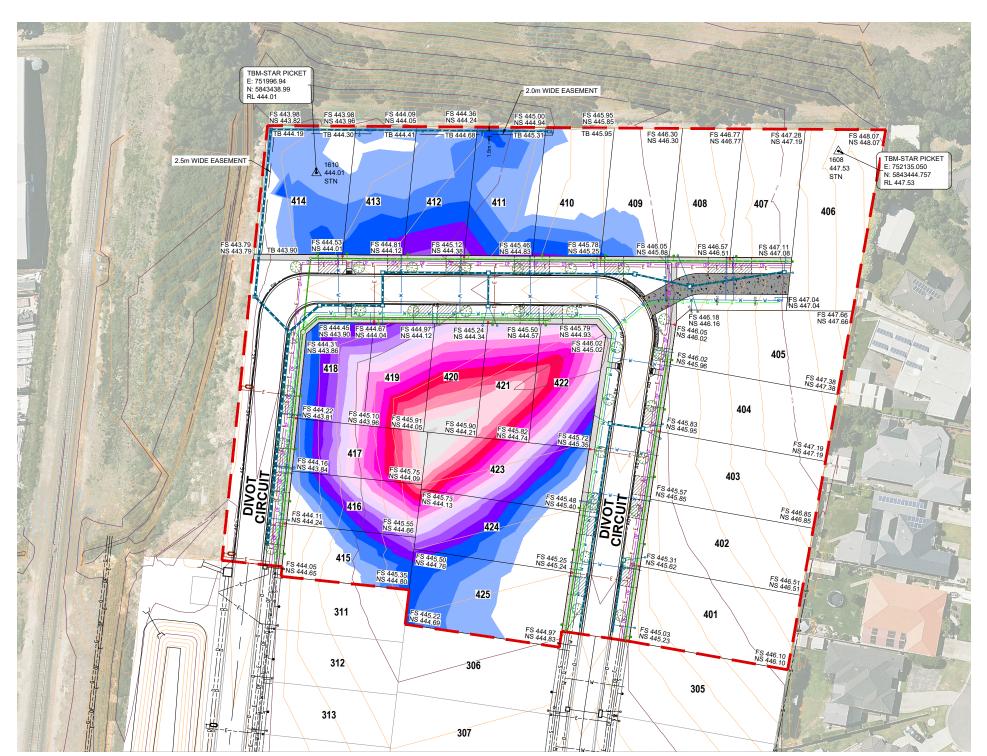


STAGE

CIVIL DRAWING

ROAD & DRAINAGE LAYOUT PLAN

17547-204 ົ C02 ຶ 11 **ໄ**



SERVICES LAYOUT, LOT LEVELS & TREES

SUGGESTED SERVICES OFFSET TABLE													
STREET NAME	TELECOM	ELEC.	GAS	WATER	SEWER								
DIVOT CIRCUIT (E)	2.1 (E)	2.7 (E)	2.1 (W)	2.7 (W)	1.0 (W) 1.0(E)								
DIVOT CIRCUIT (W)	2.8 (E)	3.45 (E)	2.2 (E)	1.8 (E)	1.0 (E)								
DIVOT CIRCUIT (N)	2.1 (N)	2.7 (N)	2.1 (S)	2.7 (S)	1.0 (N) 1.0 (S)								

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

LECEND

LEGEND			
	DESIGN / EXISTING SURFACE CONTOURS		STAGE BOUNDARY
	TITLE BOUNDARY	405	LOT NUMBER
	EASEMENT	FS 446.02	FINISHED SURFACE LEVEL
	TOP OF BATTER	NS 445.96	NATURAL SURFACE LEVEL
	AS CONSTRUCTED ROAD KERB & CHANNEL(NO. 2 BARRIER KER	RB) (*) TBM 1	TEMPORARY BENCH MARK
	AS CONSTRUCTED STORMWATER DRAINAGE PIPE/PIT		AS CONSTRUCTED STREET TREES
	AS CONSTRUCTED SEWER MAIN ALIGNMENT & PIT. (IN ACCORDANCE WITH CHW DESIGN DOCUMENTS)		AS CONSTRUCTED CONCRETE COURT / DRIVEWAY
	AS CONSTRUCTED OPTIC FIBRE		AS CONSTRUCTED FOOTPATH
— Е — Е —	AS CONSTRUCTED POWER	7777.	DRIVEWAY - LOCATION SHOWN INDICATIVE ONLY
——w——w——	AS CONSTRUCTED WATER MAIN	2/2/2	(TO BE CONFIRMED ON SITE WITH PROPERTY OWNER)
—— G ——— G ——	AS CONSTRUCTED GAS MAIN		
©	AS CONSTRUCTED ELECTRICITY PIT		
	EXISTING LOT BOUNDARY		
	EXISTING KERB & CHANNEL		
	EXISTING STORMWATER DRAINAGE PIPE/PIT		
O	EXISTING SEWER MAIN ALIGNMENT & PIT		
	EXISTING OPTIC FIBRE		

FROM	TO	COL
0.3	0.4	is .
0.4	0.5	
0.5	0.6	
0.6	0.7	
0.7	0.8	
0.8	0.9	
0.9	1.0	
1.0	1,1	3
1.1	12	** **
1.2	1.3	
1.3	1.4	
1.4	1.5	
1.5	1.6	
1.6	1.7	40
1.7	1.8	
1.8	1.9	
1.9	2.0	8

EXISTING WATER MAIN

NOTE: CONTRACTOR IS TO BE AWARE OF THE LOCALISED LOWERING OF SERVICES INFRASTRUCTURE TO PROVIDE MINIMUM LEARANCES TO EXISTING AND PROPOSED INFRASTRUCTURE. LOCALISED LOCATIONS ARE INDICATED BASED ON ANTICIPATED SERVICE INFRASTRUCTURE ALIGNMENTS AND SHOULD BE CONSIDERED BY THE CONTRACTOR WHEN PRICING.

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 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 CONTRACTORS EXPENSE.

NOTE:
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TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS
UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED
AGAINST EXISTING TITLE PEGS, TEMPORARY ANDIOR PERMANENT SURVEY MARKS
AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT
INFORMATION PROVIDED ON ARCHITECTURAL ANDIOR OTHER PROJECT RELATED
DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY
DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION



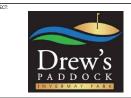
AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	S. THAPA	DATE:	MAY 2024			
01	APPROVAL	08.05.2024	RJF	R.D.						DRAWN:	H. DANG	SCALE:	AS SHOWN			
02	APPROVAL	28.05.2024	RJF	R.D.						SURVEY:	STANTEC	SHEET SIZE:	A1			
03	APPROVAL	13.06.2024	RJF	R.D.						CHECKED:	M ANTON	APPROVED:	D. DUINN			
04	APPROVAL	14.10.2024	RJF	R.D.							M. ANTON		R. DUNN			
05	APPROVAL	08.11.2024	RJF	R.D.						DATE:	08.05.2024	DATE:	08.05.2024			
Α	FOR CONSTRUCTION	13/11/2024	GD	RD							C COPYRIGHT STANT	EC				
В	AS CONSTRUCTED	10/04/2025	GD	BR						1 C COPTRIGHT STANTEC						

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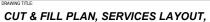
Web: www.stantec.com/au





STAGE

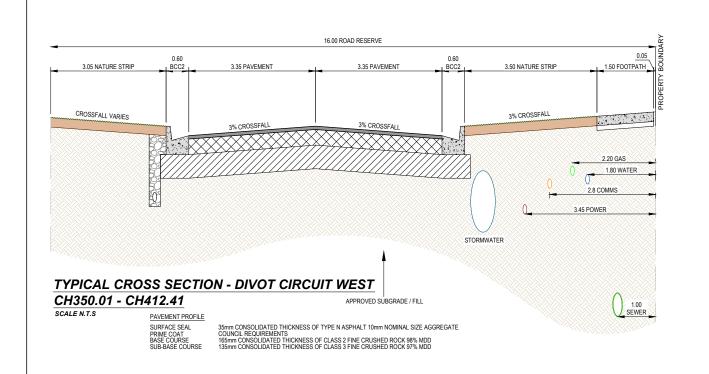
CIVIL DRAWING

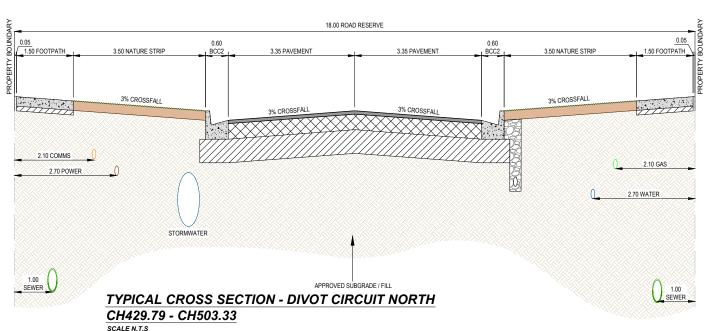


LOT LEVELS & STREET TREES





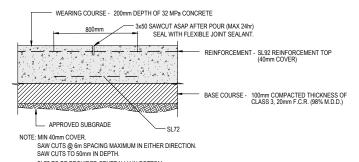




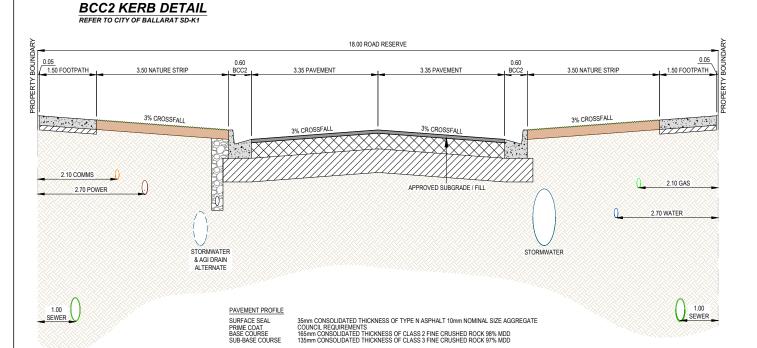
ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED

AGAINST EXISTING TITLE PEGS, TEMPORARY AND/OR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL ANDIOR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION PAVEMENT PROFILE

35mm CONSOLIDATED THICKNESS OF TYPE N ASPHALT 10mm NOMINAL SIZE AGGREGATE COUNCIL REQUIREMENTS SURFACE SEAL PRIME COAT 165mm CONSOLIDATED THICKNESS OF CLASS 2 FINE CRUSHED ROCK 98% MDD 135mm CONSOLIDATED THICKNESS OF CLASS 3 FINE CRUSHED ROCK 97% MDD



SL72 TO BE PROVIDED CENTRALLY IN BOTTOM



TYPICAL CONCRETE COURT PAVEMENT 0.05 0.05 SCALE N.T.S 1.50 FOOTPATH 2.70 NATURE STRIP 4.20 NATURE STRIP 1.0% - 2.5% CROSSFALL VARIES 2.10 COMMS 2.70 POWER 2.10 GAS 2.70 WATER STORMWATER 1.00 SEWER APPROVED CITY OF BALLARAT By Jeff Colbourne at 7:20 am, Apr 28, 2025 TYPICAL CROSS SECTION - CONCRETE COURT

TYPICAL CROSS SECTION - DIVOT CIRCUIT EAST CH523.53 - CH606.61

SCALE N.T.S

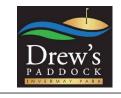
S. THAPA MAY 2024 08.05.2024 RJF R.D. H. DANG N.T.S 02 APPROVAL 28.05.2024 RJF R.D. STANTEC 13.06.2024 RJF R.D. 03 APPROVAL M. ANTON 14.10.2024 RJF R.D. 04 APPROVAL 05 APPROVAL 08.11.2024 RJF R.D. 08.05.2024 08.05.2024 13/11/2024 GD RD 10/04/2025 GD BR A FOR CONSTRUCTION C COPYRIGHT STANTEC

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CH523.53 - CH606.61



STAGE

CIVIL DRAWING

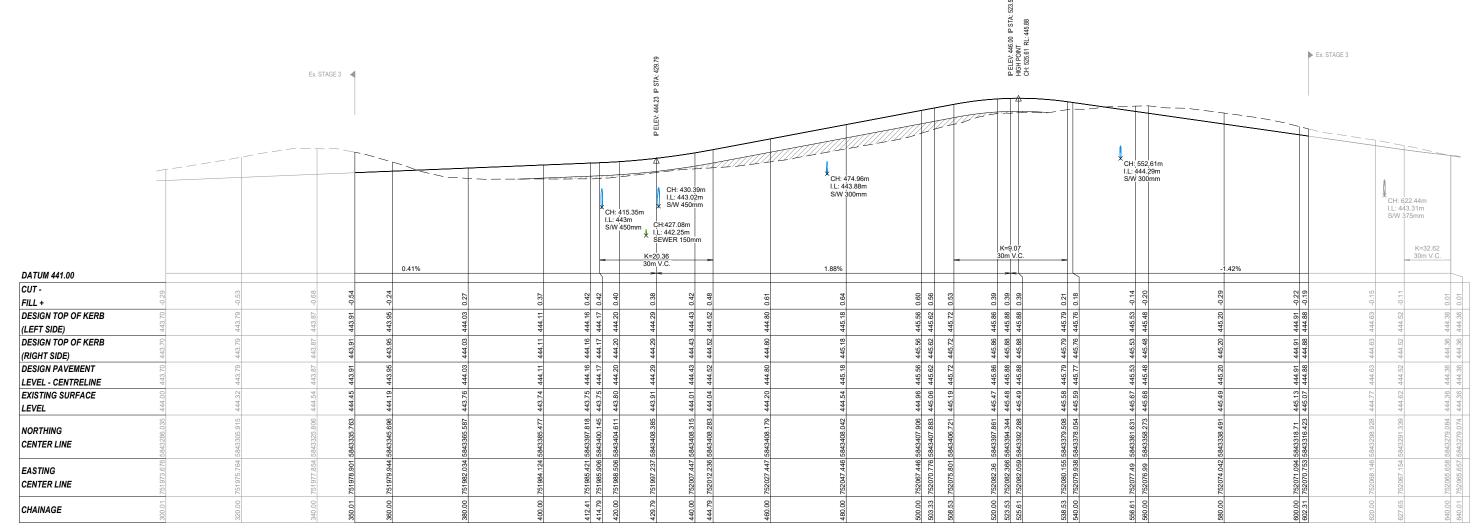
AS CONSTRUCTED

TYPICAL ROAD CROSS SECTIONS

[™] C04 [™] 11 | [™] B 17547-204

LEGEND - - NATURAL SURFACE FINISHED SURFACE APPROVED FILL IN ACCORDENCE WITH AS 3798-2007 LEVEL 1

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA. SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY AND/OR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION



DIVOT CIRCUIT CENTRELINE LONGITUDINAL SECTION -

CH350.01 - CH606.61

SCALE H 1:500, V 1:50



AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	S. THAPA	DATE:	MAY 2024
01	APPROVAL	08.05.2024	RJF	R.D.						DRAWN:	H. DANG	SCALE:	AS SHOWN
02	APPROVAL	28.05.2024	RJF	R.D.						SURVEY:	STANTEC	SHEET SIZE:	A1
03	APPROVAL	13.06.2024	RJF	R.D.						CHECKED:	M. ANTON	APPROVED:	D. DUNN
04	APPROVAL	14.10.2024	RJF	R.D.							M. ANTON		R. DUNN
05	APPROVAL	08.11.2024	RJF	R.D.						DATE:	08.05.2024	DATE:	08.05.2024
Α	FOR CONSTRUCTION	13/11/2024	GD	RD							C COPYRIGHT STANT	EC.	
В	AS CONSTRUCTED	10/04/2025	GD	RR						1	C) cor inigin shari	LU	







STAGE

	CIVIL DRAWING
İ	DRAWING TITLE:
	DIVOT CIRCUIT LONGITUDINAL SECTIONS

17547-204 [™] C05 [™] 11 | REV: B

LEGEND - - - NATURAL SURFACE FINISHED SURFACE APPROVED FILL IN ACCORDENCE WITH AS 3798-2007 LEVEL 1

		-20%		H		3%	-3%	±F.		3%		//	////////
Centreline Data X = 751982.034 Y = 5843365.587 Z = 444.03		_) ws		SEWER •		
DATUM RL 441.00	1			4	\sim			_	\geq	1			
DESIGN LEVEL	443.65	444.06	444.03	443.88	443.93	444.03	443.93	443.88	444.03	444.14	444.18	444.18	
CUT/FILL	-0.02	-0.39	-0.35	-0.20	-0.24	-0.27	-0.15	-0.10	-0.25	-0.33	-0.37	-0.37	
EXISTING LEVEL	443.63	443.67	443.68	443.69	443.69	443.76	443.78	443.78	443.78	443.80	443.81	443.81	
OFFSET	-7.00	-4.95	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

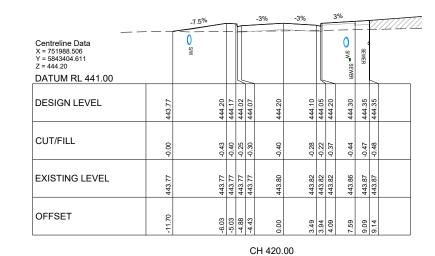
		12.5%_		39	% —	3%	Æ	_3	%		8.5	3%	
Centreline Data X = 751979.944 Y = 5843345.696 Z = 443.95) WS		SEWER •			
DATUM RL 441.00			Ų	_			Ţ	_			L		
DESIGN LEVEL	444.33	443.95	443.80	443.85	443.95	443.85	443.80	443.95	444.05	444.10	444.10	444.31	
CUT/FILL	0.00	0.25	0.39	0.32	0.24	0.38	0.44	0.29	0.22	0.19	0.19	0.00	
EXISTING LEVEL	444.33	444.20	444.19	444.17	444.19	444.23	444.24	444.24	444.28	444.29	444.29	444.31	
OFFSET	-7.00	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	11.56	

CH 380.00

CH 360.00

										— 8.3%— —	
		17%-		-3%	-3%	\prod	3%	1	F	- 6.3/-	
Centreline Data X = 751978.901 Y = 5843335.763 Z = 443.91							0	SEWER &			
DATUM RL 441.00	1		Ļ	_		Į	_		\downarrow	,	
DESIGN LEVEL	444.43	443.91	443.76	443.81	443.81	443.76	443.91	444.01	444.06	444.64	
CUT/FILL	0.00	0.48	0.63	0.59	0.70	0.76	0.61	0.55	0.52	0.00	
EXISTING LEVEL	444.43	444.39	444.39	444.40	444.51	444.51	444.52	444.56	444.58	444.64	
OFFSET	-7.00	-3.95	-3.80	-3.35	3.35	3.80	3.95	7.45	9.00	15.94	
					CH	1 3	50.0	1			

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	S. THAPA	DATE:	MAY 2024
01	APPROVAL	08.05.2024	RJF	R.D.						DRAWN:	H. DANG	SCALE:	AS SHOWN
02	APPROVAL	28.05.2024	RJF	R.D.						SURVEY:	STANTEC	SHEET SIZE:	A1
03	APPROVAL	13.06.2024	RJF	R.D.						CHECKED:		APPROVED:	D. DUNN
04	APPROVAL	14.10.2024	RJF	R.D.							M. ANTON		R. DUNN
05	APPROVAL	08.11.2024	RJF	R.D.						DATE:	08.05.2024	DATE:	08.05.2024
Α	FOR CONSTRUCTION	13/11/2024	GD	RD							C COPYRIGHT STANT		
В	AS CONSTRUCTED	10/04/2025	GD	BR							C) cor migni shan		



Centreline Data X = 751985.421 Y = 5843397.818 Z = 444.16 DATUM RL 442.00		-20%				3%	-3%	0	0	3%			77.77.77.7.
DESIGN LEVEL	443.78	444.19	444.16	444.01	444.06	444.16	444.06	444.01	444.16	444.27	444.31	444.31	
CUT/FILL	-0.09	-0.50	-0.47	-0.32	-0.36	-0.42	-0.27	-0.22	-0.36	-0.42	-0.45	-0.45	

DESIGN LEVEL	443.78	444.19	444.16	444.01	444.06	444.16	444.06	444.01	444.16	444.27	444.31	444.31	
CUT/FILL	-0.09	-0.50	-0.47	-0.32	-0.36	-0.42	-0.27	-0.22	-0.36	-0.42	-0.45	-0.45	
EXISTING LEVEL	443.69	443.70	443.69	443.69	443.70	443.75	443.79	443.80	443.80	443.84	443.86	443.86	
OFFSET	-7.00	4.95	-3.95	-3.80	-3.35	0.00	3.36	3.81	3.96	7.46	8.96	9.01	
						СН	l 412.41						

Centreline Data X = 751984.124 Y = 5843385.477 Z = 444.11 DATUM RL 441.00		20%				3%	-3%			3%	• SEWER		
DESIGN LEVEL	443.73	444.14	444.11	443.96	444.01	444.11	444.01	443.96	444.11	444.22	444.26	444.26	
CUT/FILL	0.09	-0.47	-0.44	-0.29	-0.34	-0.37	-0.23	-0.18	-0.32	-0.39	-0.42	-0.42	
EXISTING LEVEL	443.65	443.67	443.68	443.68	443.67	443.74	443.78	443.79	443.79	443.83	443.85	443.85	
OFFSET	-7.00	-4.95	-3.95	-3.80	-3.35	00:00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 400.00

BALLARAT 20 am, Apr 28, 2025 APPROVED CITY OF By Jeff Colbourne at 7:20 am, Apr 28, 2025 **Stantec**

	PROJECT:	
ing		Drew's
9		INVEDMAV DADV

Centreline Data X = 752007.447 Y = 5843408.315 Z = 444.43

DATUM RL 442.00

DESIGN LEVEL

EXISTING LEVEL

CUT/FILL

OFFSET

Centreline Data X = 751997.237 Y = 5843408.385 Z = 444.29 DATUM RL 441.00 DESIGN LEVEL

CUT/FILL

OFFSET

EXISTING LEVEL

AS CONSTRUCTED

CH 429.79

CIVIL	DRAWING

444.33 444.43 444.54 444.58 444.58

444.01 444.01 444.01 444.00 444.00

3.35 3.95 3.95 7.45 8.95 9.00

444.19 444.14 444.29

3.35

-3%

444.45 444.28 444.33 444.43

444.00 444.00 444.01

444.44 444.44 444.40

443.93 443.93 443.93

STAGE

CH 440.00

DIVOT CIRCUIT CROSS SECTIONS SHEET 1 OF 3

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA. SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY AND/OR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

17547-204

DIVOT CIRCUIT CROSS SECTIONS
ROAD CROSS SECTIONS CH350.01 - CH440.00
SCALE H 1:200, V 1:100

Stantec Australia Pty Ltd | ABN 17 007 820 322 1315 Sturt Street

Ballarat, VIC 3350 Tel: 03 5330 8888

Web: www.stantec.com/au

	PROJECT:
VII CWOC properties Communities Designed for Living	Drew'

LEGEND - - - NATURAL SURFACE FINISHED SURFACE APPROVED FILL IN ACCORDENCE WITH AS 3798-2007 LEVEL 1

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY ANDIOR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL ANDIOR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

		_		3%		-3	3%	-3%		3	3%			1111111
Centreline Data X = 752067.446 Y = 5843407.906 Z = 445.56 DATUM RL 443.00	<i>'2/12/11//11</i>	Z SEMEN	Conumb	0 %		7	711,	1221227		///		7 <u>//</u>		
DESIGN LEVEL	445.71	445.71	445.66	445.56	445.41	445.46	445.56	445.46	445.41	445.56	445.66	445.71	445.71	
CUT/FILL	-0.58	-0.58	-0.57	-0.52	-0.38	-0.44	-0.60	-0.57	-0.52	-0.68	-0.82	-0.89	-0.89	
EXISTING LEVEL	445.13	445.12	445.09	445.03	445.03	445.02	444.96	444.89	444.88	444.88	444.84	444.82	444.82	
OFFSET	00.6-	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 500.00

Centreline Data X = 752047.446 Y = 5843408.042 Z = 445.18 DATUM RL 443.00	<i>''</i>	SEWER /		3% ////// 0 %		-3 /	3%	-3% ///////		<u>:</u> ///	3%	✓ SEWER	//	
DESIGN LEVEL	445.33	445.33	445.28	445.18	445.03	445.08	445.18	445.08	445.03	445.18	445.28	445.33	445.33	
CUT/FILL	-0.62	-0.62	-0.60	-0.56	-0.42	-0.48	-0.64	-0.60	-0.55	-0.70	-0.85	-0.91	-0.91	
EXISTING LEVEL	444.71	444.71	444.68	444.62	444.61	444.60	444.54	444.48	444.48	444.48	444.44	444.42	444.42	
OFFSET	00.6-	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	00.6	

CH 480.00

Centreline Data X = 752027.447 Y = 5843408.179 Z = 444.80 DATUM RL 442.00) = SCHEN		3% 0 %		-3	3%	-3%		3///	3%	✓ SEWER		
DESIGN LEVEL	444.95	444.95	444.91	444.80	444.65	444.70	444.80	444.70	444.65	444.80	444.91	444.95	444.95	
CUT/FILL	-0.73	-0.73	-0.69	-0.60	-0.45	-0.50	-0.61	-0.51	-0.47	-0.62	-0.77	6.84	-0.84	
EXISTING LEVEL	444.22	444.22	444.22	444.20	444.20	444.20	444.20	444.19	444.19	444.18	444.14	444.12	444.12	
OFFSET	-9.00	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	00.6	

CH 460.00

Centreline Data X = 752082.366 Y = 5843394.344 Z = 445.88 DATUM RL 444.00			3%		/	3%	-3%		3	s% ////		1/2	
DESIGN LEVEL	446.03	446.03	445.88	445.73	445.78	445.88	445.78	445.73	445.88	445.98	446.03	446.03	
CUT/FILL	-0.05	-0.05	-0.09 -0.18	-0.03	-0.11	-0.39	-0.47	-0.45	-0.61	-0.89	-1.00	-1.01	
EXISTING LEVEL	445.98	445.98	445.70	445.69	445.67	445.48	445.30	445.28	445.27	445.09	445.02	445.02	
OFFSET	00:6-	-8.95	3.95	-3.80	-3.35	00:00	3.35	3.80	3.95	7.45	8.95	00.6	

CH 523.53

Centreline Data X = 752082.360 Y = 5843397.861 Z = 445.86 DATUM RL 444.00				3.1%		, 	3%	-3%		3	8% ////			
DESIGN LEVEL	446.04	446.04	446.00	445.86	445.71	445.76	445.86	445.76	445.71	445.86	445.97	446.01	446.01	
CUT/FILL	-0.02	-0.03	-0.06	-0.17	-0.03	-0.10	-0.39	-0.47	-0.45	-0.60	-0.89	-0.99	-1.00	
EXISTING LEVEL	446.02	446.02	445.93	445.69	445.68	445.66	445.47	445.29	445.27	445.26	445.08	445.02	445.01	
OFFSET	-9.92	-9.87	-8.37	-3.95	-3,80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 520.00

Centreline Data X = 752070.775 Y = 5843407.883 Z = 445.62 DATUM RL 443.00	7.	SEWER		3% 0 SW			3%	-3%		3///	s%			
DESIGN LEVEL	445.77	445.77	445.72	445.62	445.47	445.52	445.62	445.52	445.47	445.62	445.72	445.77	445.77	
CUT/FILL	-0.56	-0.56	-0.55	-0.49	-0.34	-0.40	-0.56	-0.52	-0.48	-0.63	-0.78	-0.84	-0.85	
EXISTING LEVEL	445.21	445.21	445.18	445.13	445.13	445.12	445.06	445.00	444.99	444.99	444.94	444.92	444.92	
OFFSET	-9.00	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 503.33

APPROVED CITY OF BALLARAT 3 By Jeff Colbourne at 7:21 am, Apr 28, 2025

AS CONSTRUCTED

DIVOT CIRCUIT CROSS SECTIONS ROAD CROSS SECTIONS CH460.00 - CH523.53 SCALE H 1:200, V 1:100

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	S. THAPA	DATE:	MAY 2024
01	APPROVAL	08.05.2024	RJF	R.D.						DRAWN:	H. DANG	SCALE:	AS SHOWN
02	APPROVAL	28.05.2024	RJF	R.D.						SURVEY:	STANTEC	SHEET SIZE:	A1
03	APPROVAL	13.06.2024	RJF	R.D.						CHECKED:	M ANTON	APPROVED:	D. DUNN
04	APPROVAL	14.10.2024	RJF	R.D.						1	M. ANTON		R. DUNN
05	APPROVAL	08.11.2024	RJF	R.D.						DATE:	08.05.2024	DATE:	08.05.2024
Α	FOR CONSTRUCTION	13/11/2024	GD	RD							C COPYRIGHT STANT	EC	
В	AS CONSTRUCTED	10/04/2025	GD	BR]	COPTRIGHT STANT	LU	

Stantec

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Drew's
PADDOCK INVERMAY PARK

STAGE

	CIVIL	DRA	WING	

Signature of the control of the cont
DIVOT CIRCUIT CROSS SECTIONS
SHEET 2 OF 3

17547-204

LEGEND - - - NATURAL SURFACE FINISHED SURFACE APPROVED FILL IN ACCORDENCE WITH AS 3798-2007 LEVEL 1

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY ANDIOR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL ANDIOR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

		8.3%	_	_	- 20/						•	20/			
Centreline Data X = 752074,042 Y = 5843338.491 Z = 445.20 DATUM RL 443.00				• SEWER			8	3%—	3%-	1	O SW	3%	● SEWER		
B, 11 G 11 1 12 1 1 0 . 0 0			Ť	Ť			\supset			H	\supset		-#—		
DESIGN LEVEL	445.74	445.35	445.35	445.30	445.20	445.05	445.10	445.20	445.10	445.05	445.20	445.30	445.35	445.35	
CUT/FILL	0.00	030	0.31	0.32	0.36	0.51	0.45	0.29	0.33	0.37	0.22	0.05	-0.02	-0.02	
EXISTING LEVEL	445.74	445.65	445.65	445.62	445.56	445.56	445.55	445.49	445.42	445.42	445.41	445.35	445.33	445.33	
OFFSET	-13.68	00 8-	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 580.00

		8.3%	_		— 3%			00/.	20/			3%			
Centreline Data X = 752076.990 Y = 5843358.273 Z = 445.48 DATUM RL 443.00			Ī	● SEWER				570—	3%_	1	0 sw		_		X/11/1//
DESIGN LEVEL	446.02	446.60	445.63	445.58	445.48	445.33	445.38	445.48	445.38	445.33	445.48	445.58	445.63	445.63	
CUT/FILL	0.00	70.0	0.27	0.28	0:30	0.44	0.38	0.20	0.19	0.22	0.07	-0.16	-0.25	-0.25	
EXISTING LEVEL	446.02	200	445.90	445.87	445.78	445.77	445.76	445.68	445.57	445.55	445.55	445.43	445.38	445.38	
OFFSET	-13.66		-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	00.6	

CH 560.00

Centreline Data X = 752079.938 Y = 5843378.054 Z = 445.77 DATUM RL 444.00		Į	SEWER /		3%			3%	-3%	f	3	3%	<u> </u>	2	
DESIGN LEVEL	445.97	445.92	445.91	445.87	445.76	445.61	445.66	445.77	445.66	445.61	445.76	445.87	445.91	445.92	
CUT/FILL	0.00	0.03	0.03	0.02	-0.02	0.13	90.0	-0.18	-0.23	-0.20	-0.36	-0.63	-0.75	-0.75	
EXISTING LEVEL	445.97	445.95	445.94	445.89	445.75	445.74	445.72	445.59	445.44	445.42	445.41	445.24	445.17	445.16	
OFFSET	99:6-	-9.00	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 540.00

		8.3%			201							00/			
			_	F	- 3%	Ţľ	—-3	%- _T	3%	П	_ `	3%	_	_	
Centreline Data X = 752071.094 Y = 5843318.710 Z = 444.91			→ SEWER		ws c					7	0 Sw		 SEWER 		
DATUM RL 442.00			L			Ų	_			IŲ	_		~	L	
DESIGN LEVEL	445.37	445.06	445.06	445.02	444.91	444.76	444.81	444.91	444.81	444.76	444.91	445.02	445.06	445.06	
CUT/FILL	0.00	0.23	0.23	0.24	0.28	0.43	0.37	0.22	0.26	0:30	0.15	-0.01	-0.07	-0.07	
EXISTING LEVEL	445.37	445.29	445.29	445.26	445.19	445.19	445.18	445.13	445.07	445.06	445.06	445.00	444.99	444.99	
OFFSET	-12.72	-9.00	-8.95	-7.45	-3.95	-3.80	-3.35	0.00	3.35	3.80	3.95	7.45	8.95	9.00	

CH 600.00

APPROVED CITY OF BALLARAT 3 By Jeff Colbourne at 7:21 am, Apr 28, 2025

DIVOT CIRCUIT CROSS SECTIONS ROAD CROSS SECTIONS CH540.00 - CH600.00

AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	S. THAPA	DATE:	MAY 2024
01	APPROVAL	08.05.2024	RJF	R.D.						DRAWN:	H. DANG	SCALE:	AS SHOWN
02	APPROVAL	28.05.2024	RJF	R.D.						SURVEY:	STANTEC	SHEET SIZE:	A1
03	APPROVAL	13.06.2024	RJF	R.D.						CHECKED:	M. ANTON	APPROVED:	R. DUNN
04	APPROVAL	14.10.2024	RJF	R.D.							M. ANTON		R. DUNN
05	APPROVAL	08.11.2024	RJF	R.D.						DATE:	08.05.2024	DATE:	08.05.2024
Α	FOR CONSTRUCTION	13/11/2024	GD	RD							C COPYRIGHT STANT	EC	
В	AS CONSTRUCTED	10/04/2025	GD	BR							C) cor magni shan	LU	



Stantec Australia Pty Ltd | ABN 17 007 820 322 1315 Sturt Street Ballarat, VIC 3350 Tel: 03 5330 8888 Web: www.stantec.com/au



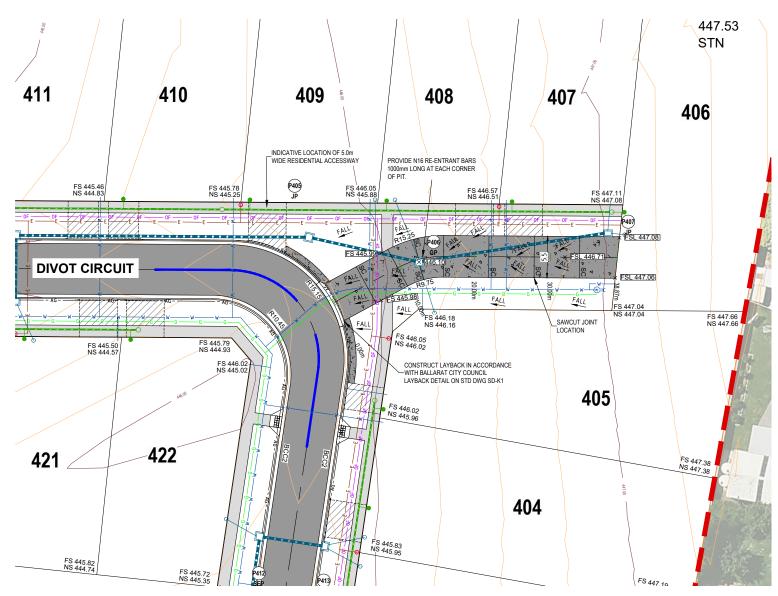


STAGE

CIVIL	DRAWING

DRAWING TITLE:
DIVOT CIRCUIT CROSS SECTIONS
SHEET 3 OF 3

F. No.:	17547-204	SHEET: CO8	° 11	REV: B



CONCRETE SHARED ACCESS DETAIL PLAN

SCALE 1:250

NOTE: CONTRACTOR IS TO BE AWARE OF THE LOCALISED LOWERING OF SERVICES INFRASTRUCTURE TO PROVIDE MINIMUM LEARANCES TO EXISTING AND PROPOSED INFRASTRUCTURE. LOCALISED LOCATIONS ARE INDICATED BASED ON ANTICIPATED SERVICE INFRASTRUCTURE ALIGNMENTS AND SHOULD BE CONSIDERED BY THE CONTRACTOR WHEN PRICING.

NOTE:

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA ANY SET OUT WORKS UNIDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY ANDIOR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL ANDIOR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN COMJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

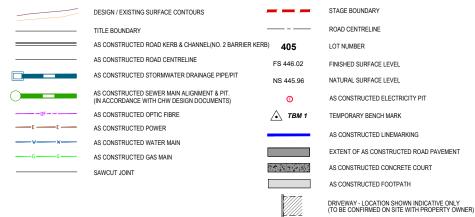
NOTE:

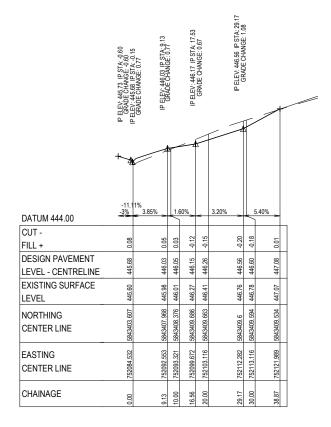
ALL DISTURBED SURFACES, FENCING & OTHER ITEMS TO BE RE-INSTATED TO ORIGINAL CONDITION.

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 HE GINERER IMMEDIATELY. THE CONTRACTOR SHALL ENSURE THAT ALL SERVICES ARE FULLY PROTECTED DURING CONSTRUCTION, ANY SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

LEGEND





CONCRETE SHARED ACCESS CENTRELINE LONGITUDINAL SECTION

SCALE H 1:500, V 1:50



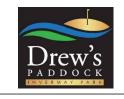
[™] C09 [™] 11 | REV: B

AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED: S. THAPA DATE: MAY 2024		
01	APPROVAL	08.05.2024	RJF	R.D.						DRAWN: H. DANG SCALE: AS SHOWN		
02	APPROVAL	28.05.2024	RJF	R.D.						SURVEY: STANTEC SHEET SIZE: A1		
03	APPROVAL	13.06.2024	RJF	R.D.						CHECKED: APPROVED: R. DUNN		
04	APPROVAL	14.10.2024	RJF	R.D.						M. ANTON R. DUNN		
05	APPROVAL	08.11.2024	RJF	R.D.						DATE: 08.05.2024 DATE: 08.05.2024		
Α	FOR CONSTRUCTION	13/11/2024	GD	RD						C COPYRIGHT STANTEC		
В	AS CONSTRUCTED	10/04/2025	GD	BR						C COPYRIGHT STANTEC		





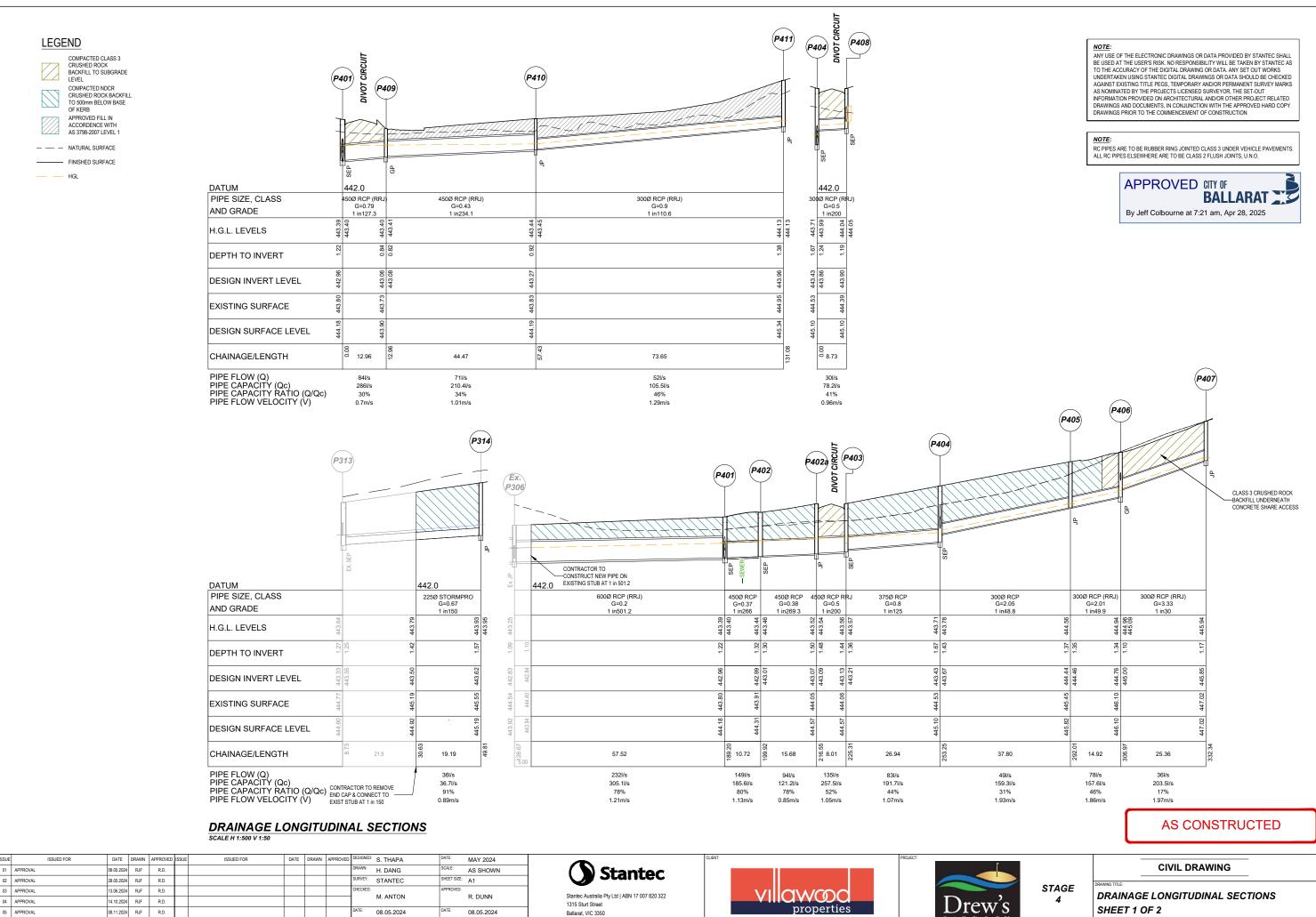


STAGE 4 CIVIL DRAWING

PRAVING TITLE

CONCRETE SHARED ACCESS DETAIL PLAN

17547-204



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A FOR CONSTRUCTION

Communities Designed for Living



SHEET 1 OF 2

[™] C10 [™] 11 | [™] B 17547-204

LEGEND

COMPACTED CLASS 3 CRUSHED ROCK BACKFILL TO SUBGRADE LEVEL

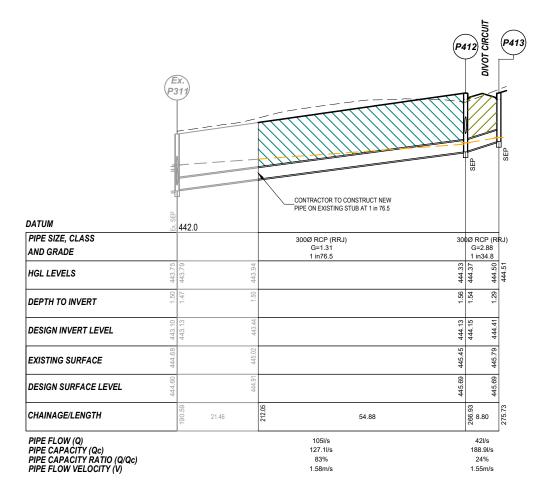


COMPACTED NDCR CRUSHED ROCK BACKFILL TO 500mm BELOW BASE OF KERB



APPROVED FILL IN ACCORDENCE WITH AS 3798-2007 LEVEL 1

- - - NATURAL SURFACE FINISHED SURFACE



DRAINAGE LONGITUDINAL SECTIONS

NOTE:

NOTE:
ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY STANTEC SHALL
BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY STANTEC AS
TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SET OUT WORKS
UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA. ANY SET OUT WORKS
UNDERTAKEN USING STANTEC DIGITAL DRAWINGS OR DATA. ADOLUD BE CHECKED
AGAINST EXISTING TITLE PEGS, TEMPORARY ANDIOR PERMANENT SURVEY MARKS
AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR, THE SET-OUT
INFORMATION PROVIDED ON ARCHITECTURAL ANDIOR OTHER PROJECT RELATED
DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY
DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

DRAINAGE PIT SCHEDULE													
PIT	TYPE	EASTING	NORTHING	INTERNAL I	DIMENSIONS		INLET		OU	OUTLET		DEPTH	REMARKS
NAME	IIPE		NORTHING	LEN	WD	FROM	DIA	INVRL	DIA	INVRL	FSL	DEPIR	KEWAKNS
P314	JP	752078.20	5843336.56	900	900				225	443.63	444.52	1.57	PROVIDE CLASS B LID
P412	SEP	752074.68	5843372.61	900	900	P413	300	444.15	300	444.13	445.69	1.56	PROVIDE CLASS B LID
P413	SEP	752083.39	5843371.32	900	750				300	444.41	445.69	1.29	PROVIDE CLASS B LID
P401	SEP	751989.75	5843396.91	900	900	P402	450	442.96	600	442.96	444.18	1.22	PROVIDE CLASS B LID
						P409	450	442.96					
P402	SEP	751997.81	5843403.98	900	900	P402a	450	442.99	375	443.01	444.31	1.32	PROVIDE CLASS B LID
P402A	JP	752014.44	5843403.91	900	900	P403	450	443.09	450	443.07	444.57	1.50	PROVIDE CLASS B LID
P403	MGP	751997.87	5843412.78	900	900	P404	375	443.21	450	443.13	444.57	1.44	PROVIDE CLASS B LID
P404	SEP	752042.44	5843412.48	900	900	P405	300	443.67	375	443.43	445.10	1.67	PROVIDE CLASS B LID
						P408	300	443.86					
P405	JP	752081.20	5843412.21	900	900	P406	300	444.46	300	444.44	445.82	1.37	PROVIDE CLASS D LID HEAVY DUTY GATIC LID COVERS
P406	GP	752095.76	5843408.94	900	900	P407	300	445.00	300	444.76	446.10	1.33	PROVIDE CLASS D LID HEAVY DUTY GATIC LID COVERS
P407	JP	752120.72	5843412.74	900	600				300	445.85	447.02	1.17	PROVIDE CLASS D LID HEAVY DUTY GATIC LID COVERS
P409	GP	751980.71	5843406.20	600	900	P410	450	443.08	450	443.06	443.88	0.82	PROVIDE CLASS B LID
P410	JP	751984.92	5843450.47	900	600	P411	300	443.29	450	443.27	444.19	0.92	PROVIDE CLASS B LID
P411	JP	752058.57	5843449.97	900	600				300	443.96	445.34	1.38	PROVIDE CLASS B LID
P408	SEP	752042.38	5843403.75	900	750				300	443.90	445.10	1.19	PROVIDE CLASS B LID

NOTES:

SEP: SIDE ENTRY PIT, JP: JUNCTION PIT, GP: GRATED PIT, DSEP: DOUBLE SIDE ENTRY PIT.

SIDE ENTRY PITS TO BE IN ACCORDANCE WITH IDM SD 431 (CLASS B LIDS IN NON-TRAFFICABLE AREAS, CLASS D LIDS IN TRAFFICABLE AREAS)

JUNCTION PITS TO BE IN ACCORDANCE WITH IDM SD 420 (CLASS B LIDS IN NON-TRAFFICABLE AREAS, CLASS D LIDS IN TRAFFICABLE AREAS)

GRATED PITS TO BE IN ACCORDANCE WITH IDM SD 455 (CLASS B GRATES IN NON-TRAFFICABLE AREAS, CLASS D GRATES IN TRAFFICABLE AREAS) MODIFIED GRATED PITS TO BE IN ACCORDANCE WITH IDM SD 496 (CLASS D GRATES IN TRAFFICABLE AREAS)

DOUBLE SIDE ENTRY PITS TO BE IN ACCORDANCE WITH IDM SD 445 (CLASS B LIDS IN NON-TRAFFICABLE AREAS, CLASS D LIDS IN TRAFFICABLE AREAS)

ALL NEW PITS DEEPER THAN 900mm TO BE FITTED WITH STEP IRONS

APPROVED	CITY OF BALLARAT
By Jeff Colbourne at 7:	21 am, Apr 28, 2025

AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	S. THAPA	DATE:	MAY 2024
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05	APPROVAL	08.11.2024	RJF	R.D.						DATE:	08.05.2024	DATE:	08.05.2024
Α	FOR CONSTRUCTION	13/11/2024	GD	RD						C COPYRIGHT STANTEC			
В	AS CONSTRUCTED	10/04/2025	GD	BR						COPTRIGHT STANLEC			







STAGE	DRAWIN

CIVIL DRAWING

DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 2 & PIT SCHEDULE

> C11 11 REV: B 17547-204