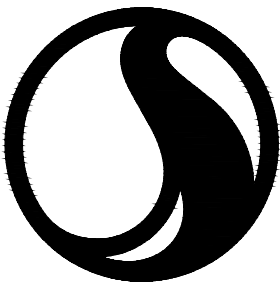


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STANDARD DETAILS TABLE

DESCRIPTION	AUTHORITY	STANDARD DETAIL REFERENCE
BCC2 BARRIER KERB & CHANNEL	CITY OF BALLARAT	SD-K1 STANDARD KERB SECTIONS
HOUSE DRAIN CONNECTIONS	CITY OF BALLARAT	SD140 / SD505 / SD516
AG DRAINS	CITY OF BALLARAT	SD-D2-1
PEDESTRIAN KERB RAMPS	CITY OF BALLARAT	SD-C4-1 / SD-C4-2
CONCRETE FOOTPATH	CITY OF BALLARAT	SD-K3-2
TRENCH BACKFILL	CITY OF BALLARAT	SD-D8-2 / SD-D8-3
UNHAUNCHED PITS	CITY OF BALLARAT	SD-P3-1
HAUNCHED PITS	CITY OF BALLARAT	SD-P4-1
JUNCTION PITS	CITY OF BALLARAT	SD-P10-1
SIDE ENTRY PITS	CITY OF BALLARAT	SD-P1-1
SIDE ENTRY PITS - SM2 KERB	CITY OF BALLARAT	SD-P1-1
DOUBLE SIDE ENTRY PITS	CITY OF BALLARAT	SD-P7
GRATED SIDE ENTRY PITS	VICROADS	SD 1321 / SD 1322
GRATED PITS	IDM	SD455
END WALLS	VICROADS	SD1921 / SD1931
STATION LINEMARKING	CITY OF BALLARAT	SD-T2



Stantec

STAGE 2 DREWS PADDOCK
HEINZ LANE, INVERMAY
ROAD & DRAINAGE WORKS

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 CONTRACT. ANY DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER FOR DISCUSSION BEFORE PROCEEDING WITH WORK.

DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.

SUBSTITUTES WILL NOT BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

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 AUSTRALIA AND THE RELEVANT AUTHORITIES.

UNLESS NOTED OTHERWISE ON A PARTICULAR DRAWING THESE NOTES SHALL APPLY.

THE TERM "ENGINEER" SHALL MEAN A REPRESENTATIVE APPOINTED BY THE CITY OF BALLARAT.

CONSTRUCTION HOLD POINTS

THE CONTRACTOR IS TO BE AWARE OF THE CITY OF BALLARAT CONSTRUCTION REQUIREMENTS AND CONTACT THE CITY OF BALLARAT AT EACH OF THEIR REQUIRED HOLD POINTS TO ARRANGE APPROPRIATE TESTING AND INSPECTIONS.

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 COUNCIL OFFICER.

PRIMER COAT - THE COUNCIL OFFICER IS TO GIVE APPROVAL PRIOR TO THE PLACEMENT OF THE PRIMER COAT.

BITUMINOUS 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 COUNCIL OFFICER 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.

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

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 CODE.

ALL INSITU CONCRETE SHALL HAVE A CHARACTERISTIC STRENGTH AT 28 DAYS (F_{cd}) OF 25 MPa UNLESS NOTED OTHERWISE.

CONCRETE ELEMENTS SHOWN ON THESE DRAWINGS MUST NOT BE REDUCED IN ANY WAY WITHOUT THE ENGINEER'S APPROVAL. NO HOLES, CHASES, OR EMBEDMENTS, OTHER THAN THOSE SHOWN WILL BE PERMITTED IN ANY CONCRETE ELEMENTS WITHOUT THE ENGINEER'S 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 REINFORCEMENT		
MESH	500mm	FULL WIDTH AT INTERSECTION
TRENCH MESH	500mm	OTHER BARS
BAR SIZE	TOP BARS (300mm OR MORE CONCRETE BELOW)	
N12		300
N16	700	400
N20		600

COVER

CLEAR COVER TO REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS.

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

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 VIBRATED.

ALL CONCRETE SHALL BE CURED TO THE APPROVAL OF THE ENGINEER.

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

CIVIL NOTES

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
ALL LEVELS SHOWN ARE BASED ON SITE DATUMS. REFER TO SITE TBM'S.

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

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 ENGINEER.

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 U.N.O. ALL RC PIPES ELSEWHERE ARE TO BE CLASS 2 WITHOUT RUBBER RING JOINTS.

DRAINAGE PIPES MUST BE BEDDED IN ACCORDANCE WITH THESE DRAWINGS.

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 EXPENSE.

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 PIT 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 STANDARDS.

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

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 SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

TOOLED JOINTS IN KERBS, KERB AND CHANNEL AT 2.0m MAXIMUM CENTRES.

ALL EARTHEWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH AS 3798 WITH LEVEL 1 INSPECTIONS & TESTING

NOTE:

ANY USE OF THE ELECTRONIC DRAWINGS OR DATA D 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 D ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION



LOCALITY PLAN

NOT TO SCALE

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 MATCH EXISTING.

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 NEGLIGENCE OR INSUFFICIENCY OF SUCH PRECAUTIONS.

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 SUPERINTENDENT.

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 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 NECESSARY REMOVAL.

ALL FILLING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH AS 3798-2007 LEVEL 1 INSPECTION AND TESTING & MINIMUM RELATIVE COMPACTION REQUIREMENTS. PLACEMENT MOISTURE CONDITION - MOISTURE VARIATION TO NOT EXCEED ±2% OF OPTIMUM MOISTURE CONTENT.

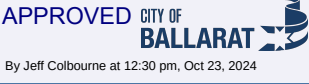
THE CONTRACTOR SHALL ALLOW TO TEMPORARY SHUTTERS FOR ALL TRENCHES AS NECESSARY.

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 AND THE EPA 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'.

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

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



AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED: M. ANTON	DATE: NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	E.A	R.D	DRAWN: T. POPOVSKI	SCALE:
02	TENDER	18/11/2020	T.P.		B	AS COSNTRUCTED	02/09/2024	GD	RD	SURVEY: STANTEC	SHEET SIZE: A1 / A3
03	INFORMATION	03/03/2023	R.J.F		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED:	APPROVED:
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	R.J.F	RD	R.DUNN	R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE: 18.10.23	DATE: 18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							

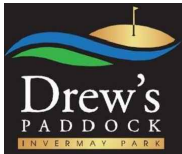


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Communities Designed for Living



STAGE
2

CIVIL DRAWING



DRAWING TITLE:
**GENERAL NOTES, DRAWING INDEX,
STANDARD DETAILS TABLE & LOCALITY PLAN**

REF. No: 17547-202 SHEET: C01 OF 21 REV: D

LEGEND

	AS CONSTRUCTED / EXISTING SURFACE CONTOURS		EXTENT OF 385mm THICK ROAD PAVEMENT
	AS CONSTRUCTED STORMWATER DRAINAGE PIPE		EXTENT OF 335mm THICK ROAD PAVEMENT
	FUTURE STORMWATER DRAINAGE PIPE & PIT		AS CONSTRUCTED FOOTPATH
	AS CONSTRUCTED SEWER MAIN ALIGNMENT & PIT (IN ACCORDANCE WITH CEW DESIGN DOCUMENTS)		AS CONSTRUCTED HOUSE DRAIN CONNECTION & PROPERTY INLET PIT: (P) PIPE-(K) KERB
	AS CONSTRUCTED TELSTRA		TEMPORARY SURVEY MARK
	AS CONSTRUCTED POWER		AS CONSTRUCTED STREET TREES
	AS CONSTRUCTED WATER MAIN		EXISTING VEGETATION
	AS CONSTRUCTED GAS MAIN		
	AS CONSTRUCTED ELECTRICITY PIT		
	EXISTING SEWER MAIN ALIGNMENT		
	EXISTING OPTIC FIBRE		
	EXISTING WATER MAIN		
	EXISTING GAS MAIN		
	EXISTING KERB & CHANNEL		
	AS CONSTRUCTED ROAD KERB & CHANNEL		
	AS CONSTRUCTED TITLE BOUNDARY		
	AS CONSTRUCTED EASEMENT		
	FUTURE LOT BOUNDARY		
	EXISTING LOT BOUNDARY		
	AS CONSTRUCTED ROAD CENTRELINE		
	EXISTING DRAINAGE PIPE		
	AS CONSTRUCTED DOUBLE SIDE ENTRY PIT		
	AS CONSTRUCTED JUNCTION PIT		
	AS CONSTRUCTED SIDE ENTRY PIT		
	AS CONSTRUCTED ENDWALL & ROCK BEACHING		

NOTE:
ROCK BEACHING TO BE D TO ALL END WALL INLETS/OUTLETS. VICROADS TYPE 1 - BEACHING

NOTE:
2500L RAINWATER TANK INSTALLED TO ALL DWELLINGS IN ACCORDANCE WITH FLOOD IMPACT ASSESSMENT & WATER QUALITY MEASURES MEMO. REFER 17547-04 - VERSION 3.

NOTE:
HAND RAILING TO BE D TO END WALL WITH PIPE OUTLET GREATER THAN 4500

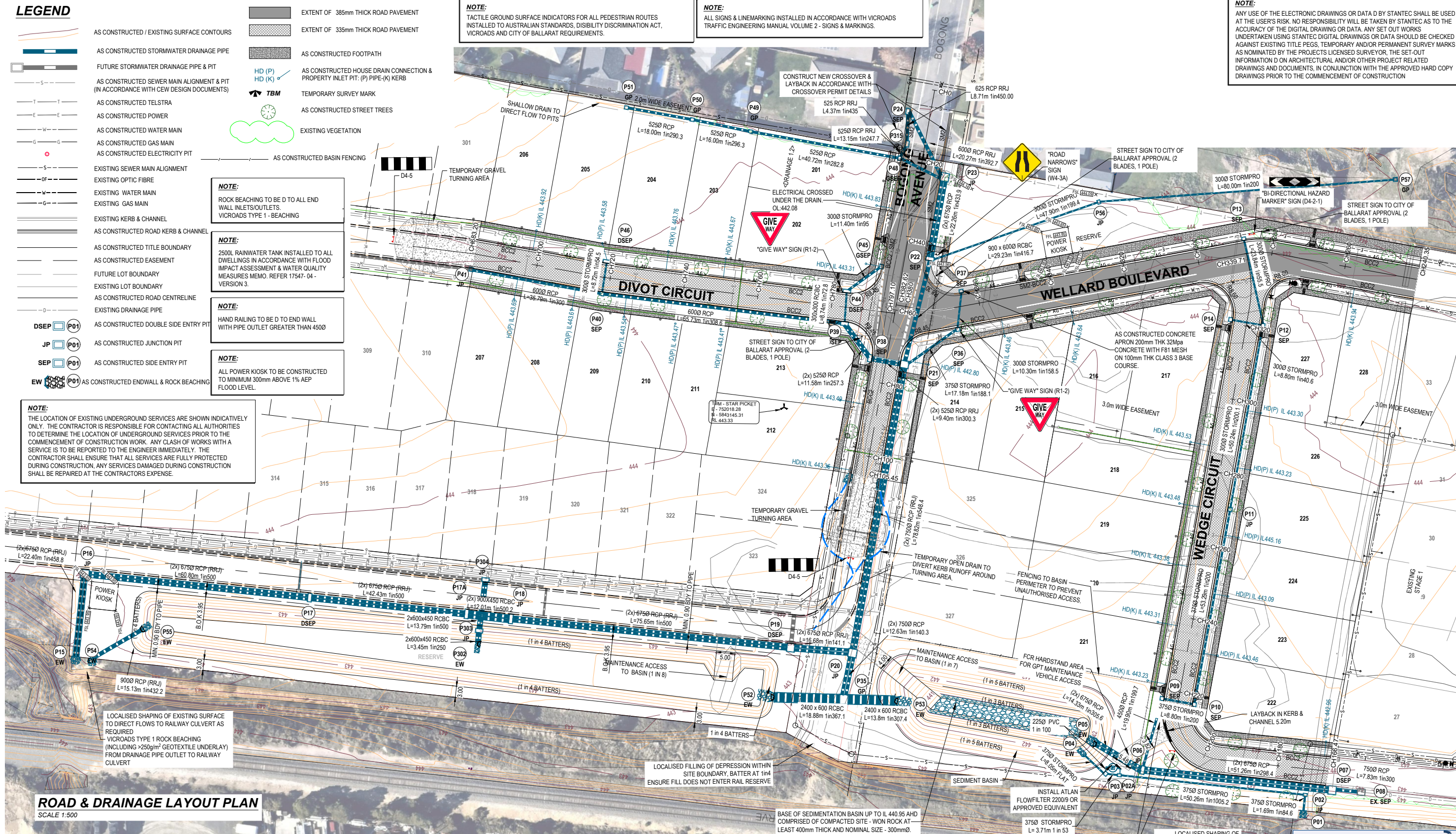
NOTE:
ALL POWER KIOSK TO BE CONSTRUCTED TO MINIMUM 300mm ABOVE 1% AEP FLOOD LEVEL.

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 CONTRACTORS EXPENSE.

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

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

NOTE:
ANY USE OF THE ELECTRONIC DRAWINGS OR DATA D 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 D ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY DRAWINGS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION



ROAD & DRAINAGE LAYOUT PLAN
SCALE 1:500

BASIN VOLUMES:
SED BASIN
DESIGN 461m³
AS CONSTRUCTED VOLUME 541m³
DETENTION STORAGE (COMBINED BASINS)
DESIGN 2000m³
AS CONSTRUCTED 2060m³

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

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

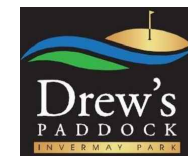
APPROVED CITY OF BALLARAT
By Jeff Colbourne at 12:30 pm, Oct 23, 2024

AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED	DATE
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	E.A.	R.D.	M. ANTON	NOVEMBER 2020
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	T. POPOVSKI	SCALE: A1: 1:500, A3: 1:1000
03	INFORMATION	03/03/2023	R.F.		C	AS CONSTRUCTED	20/09/2024	GD	RD	STANTEC	SHEET SIZE: A1 / A3
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	R.F.	RD	R. DUNN	CHECKED:
05	FOR APPROVAL	18/10/2023	ST	R.D.						R. DUNN	DATE: 18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.						R. DUNN	DATE: 18.10.23
07	FOR APPROVAL	16/02/2024	JM	R.D.							



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STAGE
2

DRAWING TITLE:
ROAD & DRAINAGE LAYOUT PLAN

REF. No: 17547-202

SHEET: C02 OF 21 REV: D

LEGEND

206 FALL	LOT NUMBER & DIRECTION OF NATURAL SURFACE FALL
	AS CONSTRUCTED / EXISTING SURFACE CONTOURS
	AS CONSTRUCTED STORMWATER DRAINAGE PIPE
	FUTURE STORMWATER DRAINAGE PIPE & PIT
	AS CONSTRUCTED SEWER MAIN ALIGNMENT & PIT (IN ACCORDANCE WITH CEW DESIGN DOCUMENTS)
	AS CONSTRUCTED TELSTRA
	AS CONSTRUCTED POWER
	AS CONSTRUCTED WATER MAIN
	AS CONSTRUCTED GAS MAIN
	AS CONSTRUCTED ELECTRICITY PIT
	EXISTING SEWER MAIN ALIGNMENT
	EXISTING OPTIC FIBRE
	EXISTING WATER MAIN
	EXISTING GAS MAIN
	EXISTING KERB & CHANNEL
	AS CONSTRUCTED ROAD KERB & CHANNEL
	AS CONSTRUCTED TITLE BOUNDARY
	AS CONSTRUCTED EASEMENT
	FUTURE LOT BOUNDARY
	EXISTING LOT BOUNDARY
	AS CONSTRUCTED ROAD CENTRELINE
	EXISTING DRAINAGE PIPE
	EXTENT OF FILL >300

NOTE:

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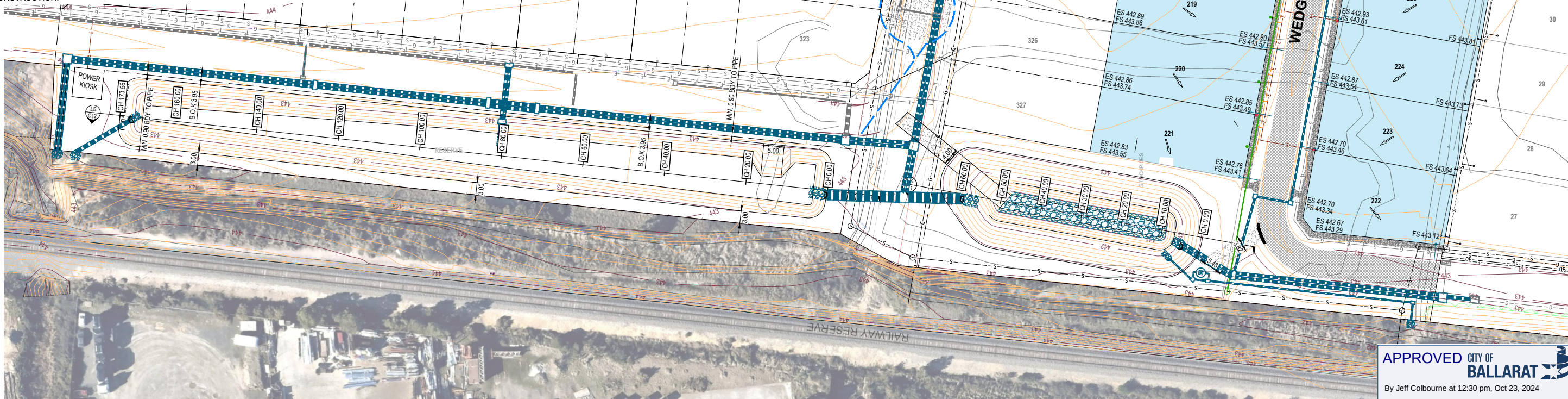
NOTE:

ALL FILLING WORKS WERE UNDERTAKEN IN ACCORDANCE WITH AS 3798-2007 LEVEL 1 INSPECTION AND TESTING & MINIMUM RELATIVE COMPACTION REQUIREMENTS. PLACEMENT MOISTURE CONDITION - MOISTURE VARIATION DID NOT EXCEED $\pm 2\%$ OF OPTIMUM MOISTURE CONTENT.

SUGGESTED SERVICES OFFSET TABLE

STREET NAME	TELECOM	ELEC.	GAS	WATER	SEWER
DIVOT CIRCUIT	2.1 (E)	2.7 (E)	2.1 (W)	2.7 (W)	1.0 (E) 1.0 (W)
BOGONG AVENUE (LOTS 201-202)	1.0 (N)	2.3 (S)	EX. 1.27 (S) - 1.36 (S)	3.0 (S)	2.1 (N) 2.2 (N)
BOGONG AVENUE	3.5 (S)	3.3 (N)	EX. 1.27 (S) - 1.36 (S)	3.0 (S)	2.1 (N) 2.2 (N)
WELLARD BOULEVARD	1.0 (W)	3.45 (E)	1.9 (W)	2.5 (W)	
WEDGE CIRCUIT (LOTS 222-227)	1.9 (N)	2.5 (N)	2.1 (S)	2.65 (S)	1.0 (N)
WEDGE CIRCUIT (EX LOT 27)	2.8 (E)	3.25 (E)	1.8 (E)	EX. 2.29 (E) - 2.65 (E)	1.0 (E)

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



APPROVED CITY OF BALLARAT
By Jeff Colbourne at 12:30 pm, Oct 23, 2024

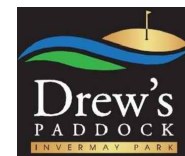
AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED	DATE	SCALE
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	EA	R.D.	M. ANTON	NOVEMBER 2020	A1: 1:500, A3: 1:1000
02	TENDER	18/11/2020	TP		B	AS CONSTRUCTED	02/09/2024	GD	RD	T. POPOVSKI		A1 / A3
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	STANTEC		
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	RJF	RD	R.DUNN		
05	FOR APPROVAL	18/10/2023	ST	R.D.						R.DUNN		
06	FOR APPROVAL	20/12/2023	ST	R.D.						R.DUNN		
07	FOR APPROVAL	16/02/2024	JM	R.D.						R.DUNN		

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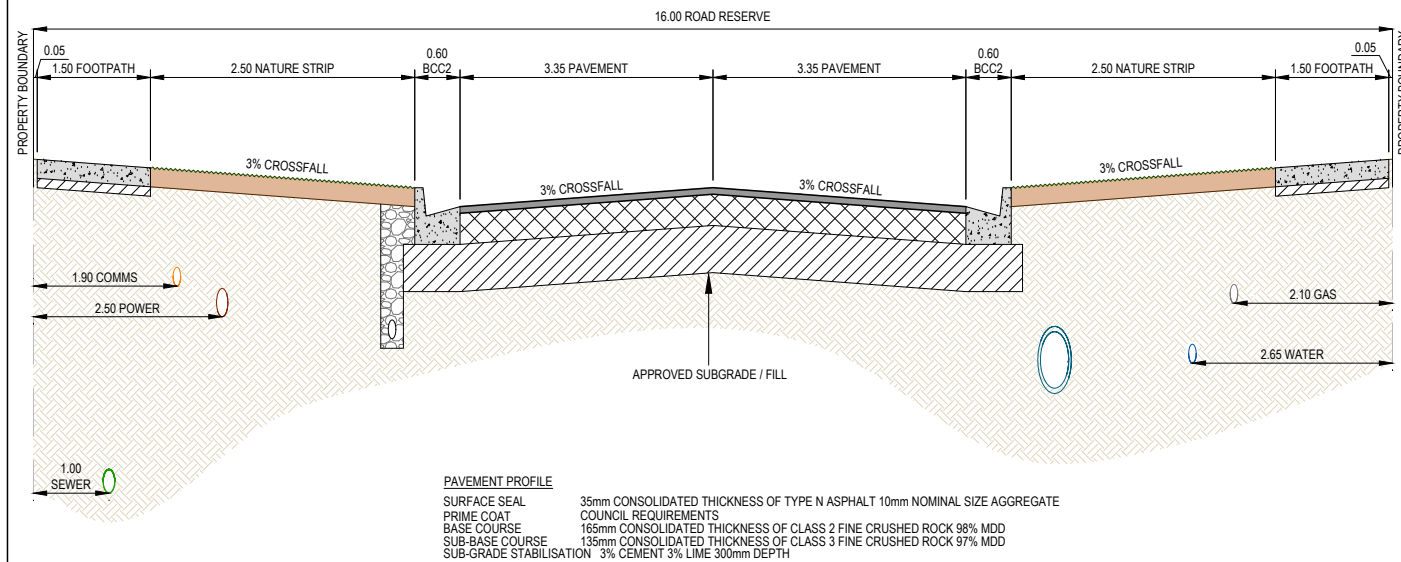
STAGE
2

CIVIL DRAWING

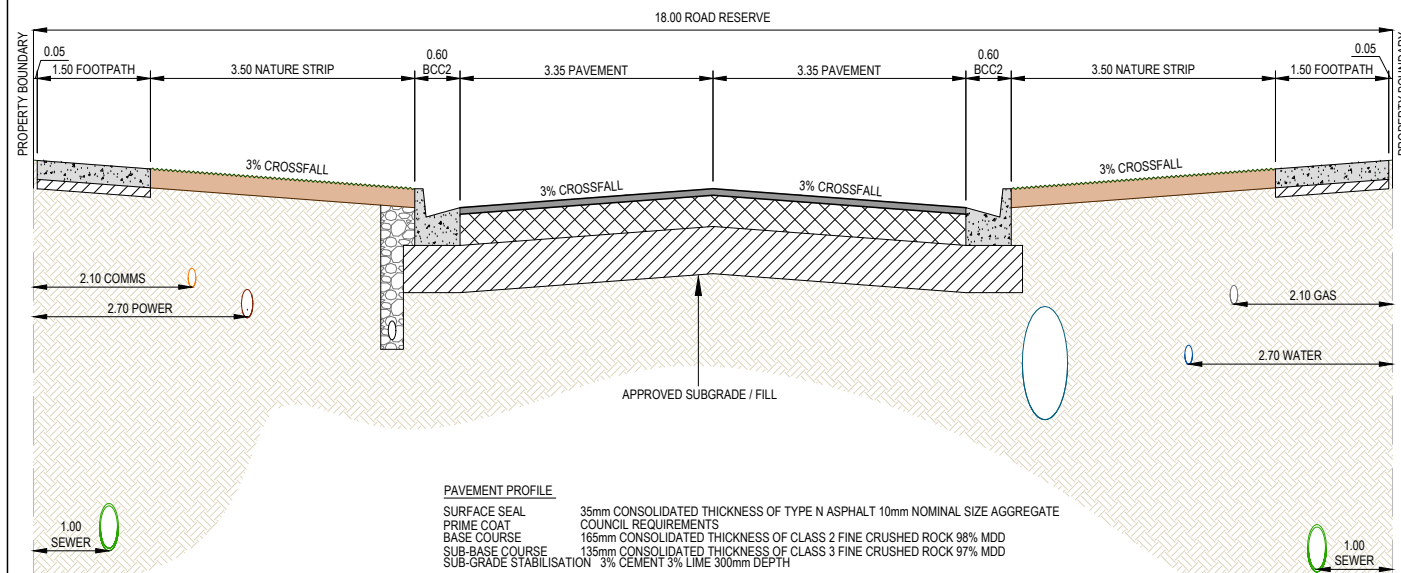
DRAWING TITLE:
**EXISTING & FINISHED SURFACE PLAN,
BASIN CHAINAGES & SERVICE LOCATION PLAN**

REF. No: 17547-202

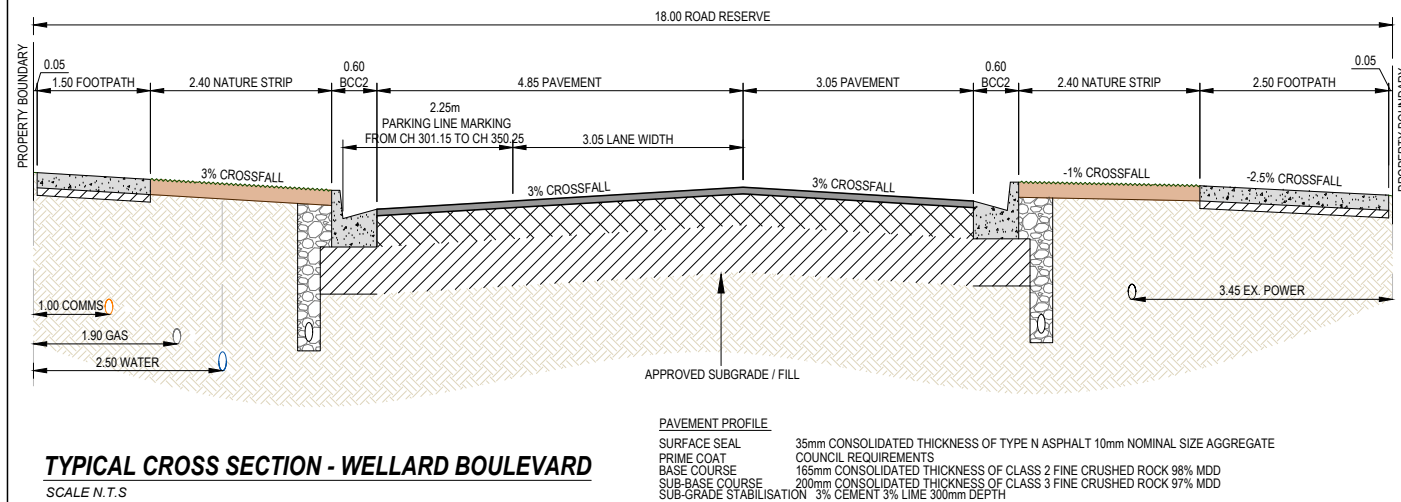
SHEET: C03 OF 21 REV: D



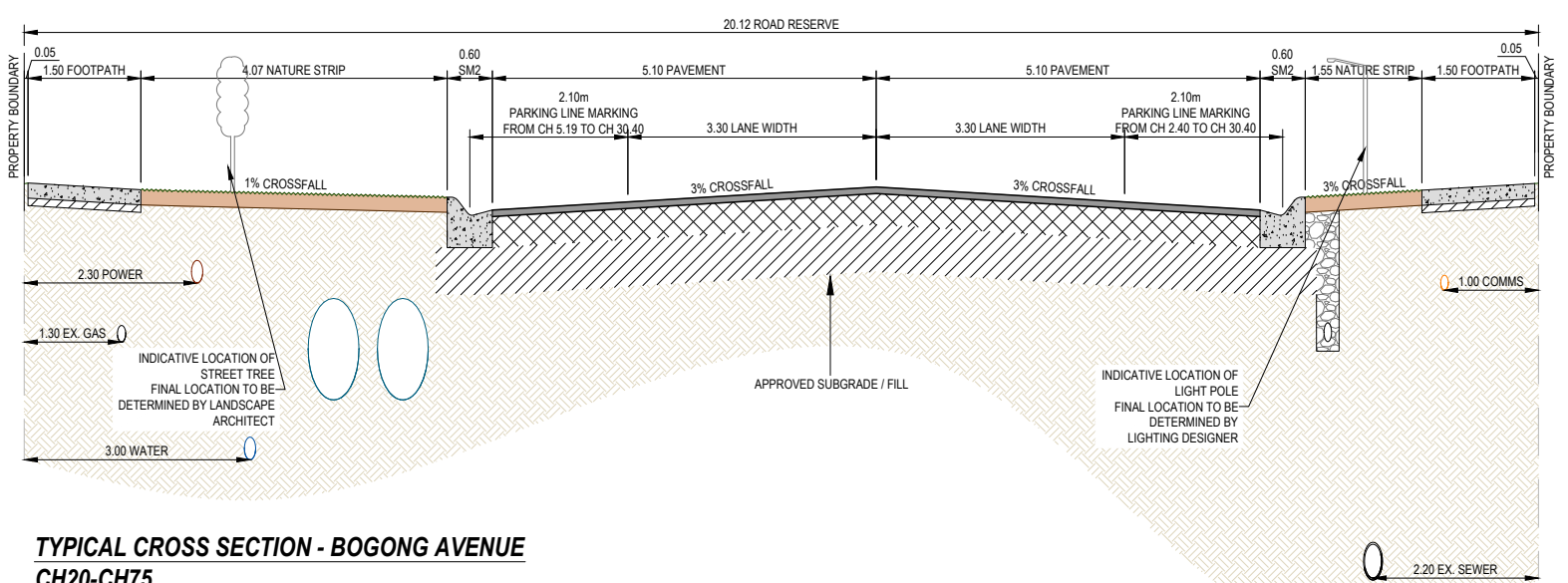
TYPICAL CROSS SECTION - WEDGE CIRCUIT
 SCALE N.T.S



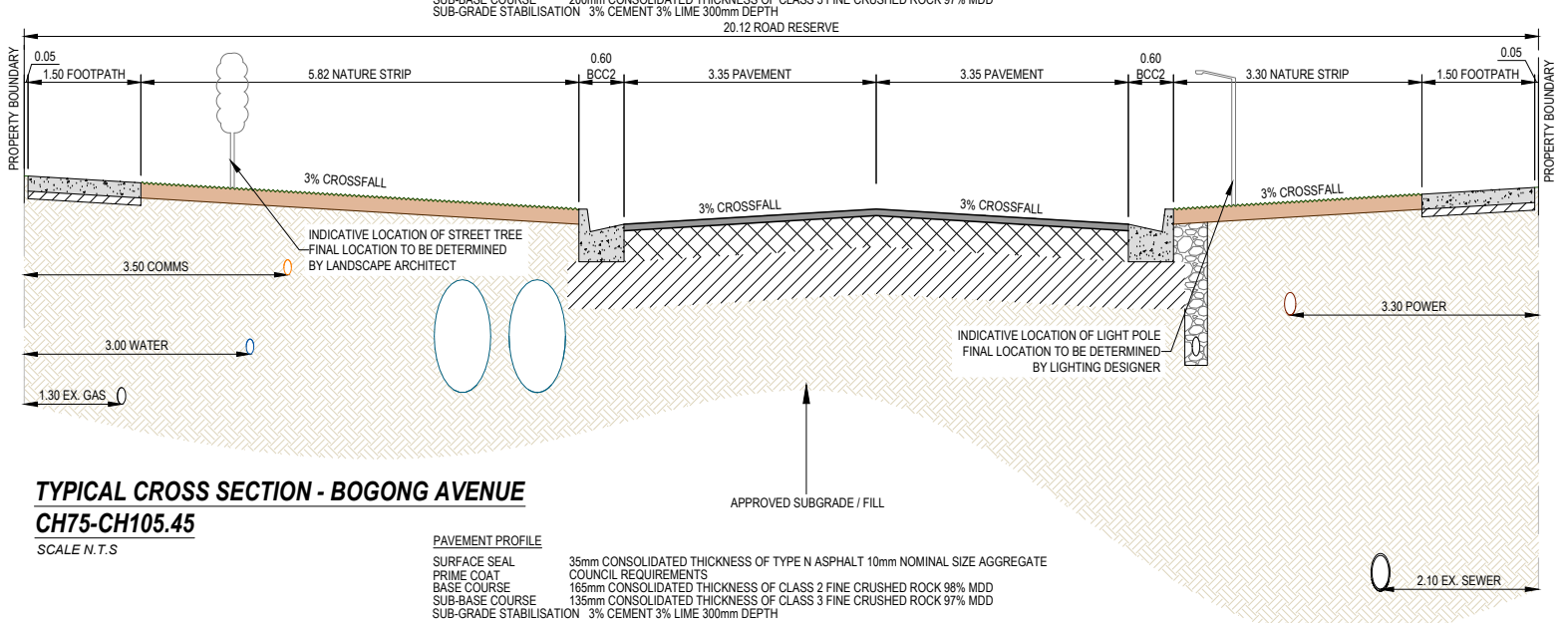
TYPICAL CROSS SECTION - DIVOT CIRCUIT
 SCALE N.T.S



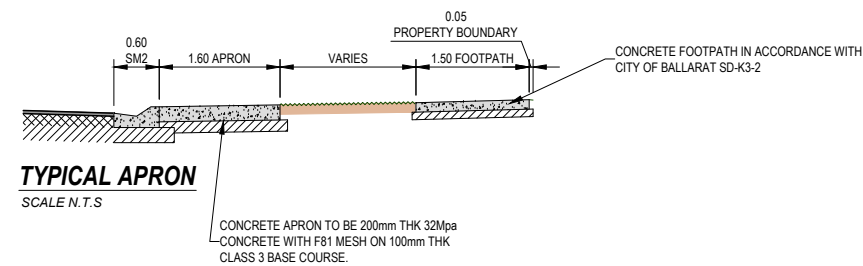
TYPICAL CROSS SECTION - WELLARD BOULEVARD
 SCALE N.T.S



TYPICAL CROSS SECTION - BOGONG AVENUE
CH20-CH75
 SCALE N.T.S



TYPICAL CROSS SECTION - BOGONG AVENUE
CH75-CH105.45
 SCALE N.T.S



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 By Jeff Colbourne at 12:31 pm, Oct 23, 2024

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AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED	DATE
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	E.A	R.D	M. ANTON	NOVEMBER 2020
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	T. POPOVSKI	
03	INFORMATION	03/03/2023	R.J.F		C	AS CONSTRUCTED	20/09/2024	GD	RD	STANTEC	
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	R.J.F	RD	R.DUNN	
05	FOR APPROVAL	18/10/2023	ST	R.D.							
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							

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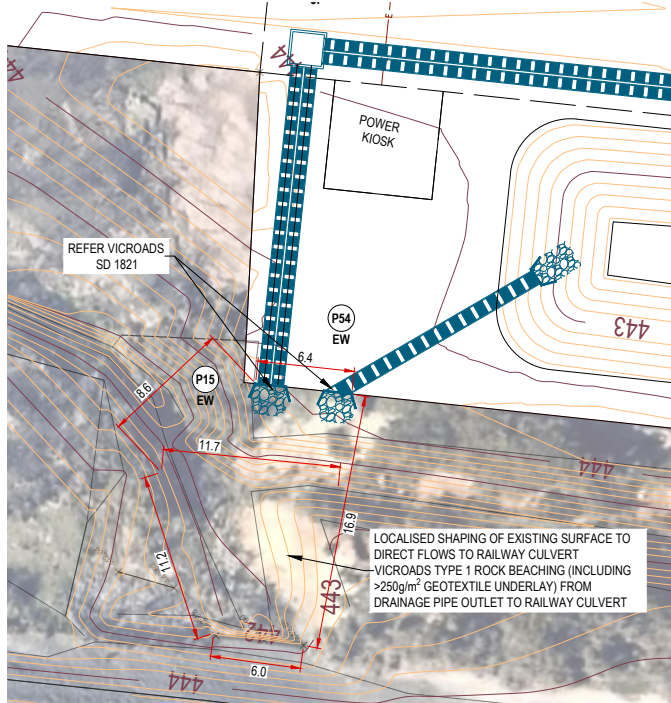
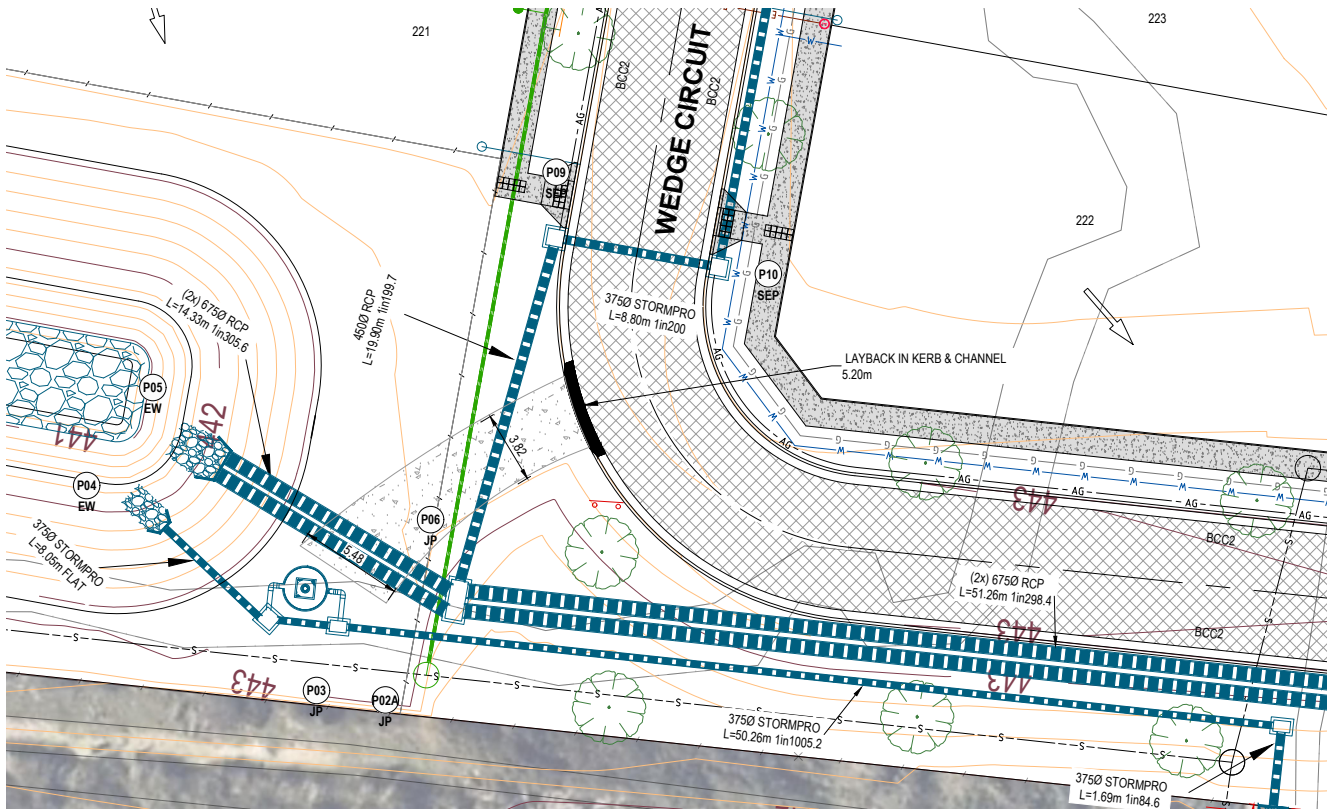
villawood properties
 Communities Designed for Living

Drew's Paddock
 INVERMAY PARK

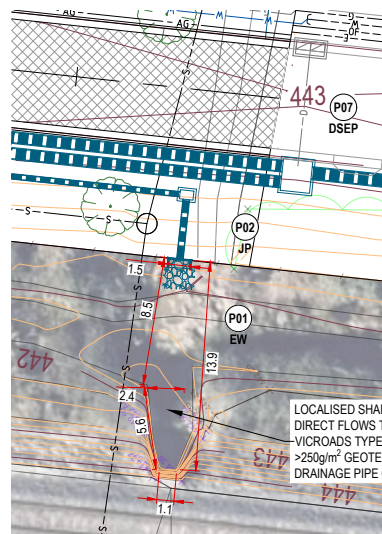
STAGE 2

CIVIL DRAWING		
DRAWING TITLE:	TYPICAL ROAD CROSS SECTIONS	
REF. No:	17547-202	SHEET: C04 OF 21
		REV: D

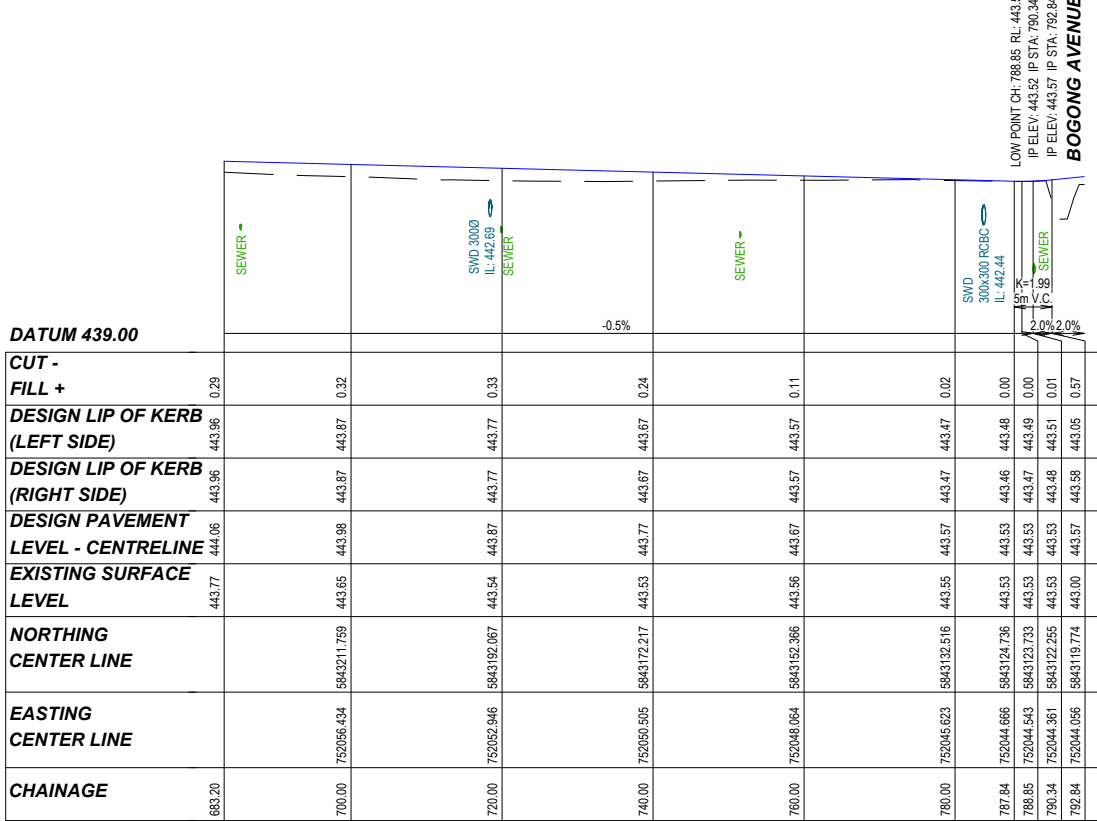
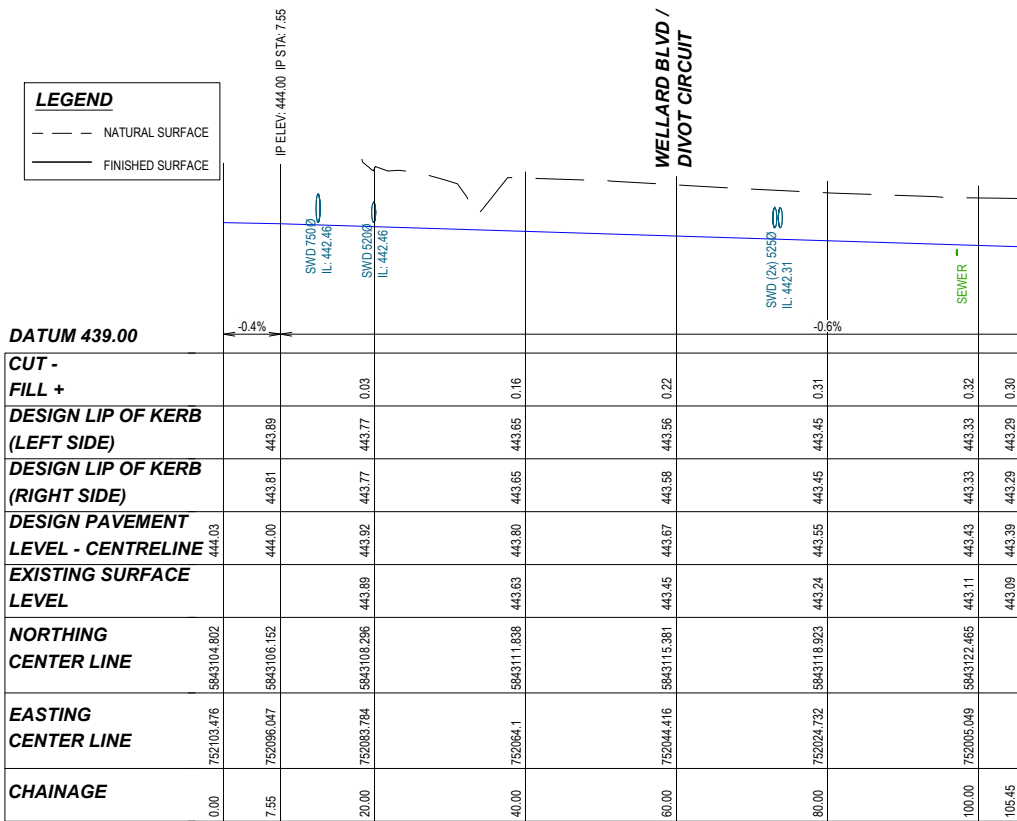
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NORTH RAILWAY CULVERT OUTLET DETAIL
SCALE 1:250



SOUTH RAILWAY CULVERT OUTLET DETAIL
SCALE 1:250



APPROVED CITY OF **BALLARAT**
By Jeff Colbourne at 12:31 pm, Oct 23, 2024

AS CONSTRUCTED

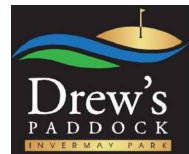
ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	M. ANTON	DATE:	NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E A	R D	DRAWN:	T. POPOVSKI	SCALE:	A1: 1:500, A3: 1:1000
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY:	STANTEC	SHEET SIZE:	A1 / A3
03	INFORMATION	03/03/2023	R.J.F.		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED:		APPROVED:	
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	R.J.F.	RD	DATE:	R.DUNN	DATE:	R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE:	18.10.23	DATE:	18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.									
07	FOR APPROVAL	16/02/2024	JM	R.D.									



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Communities Designed for Living

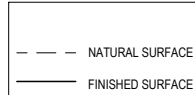


STAGE
2

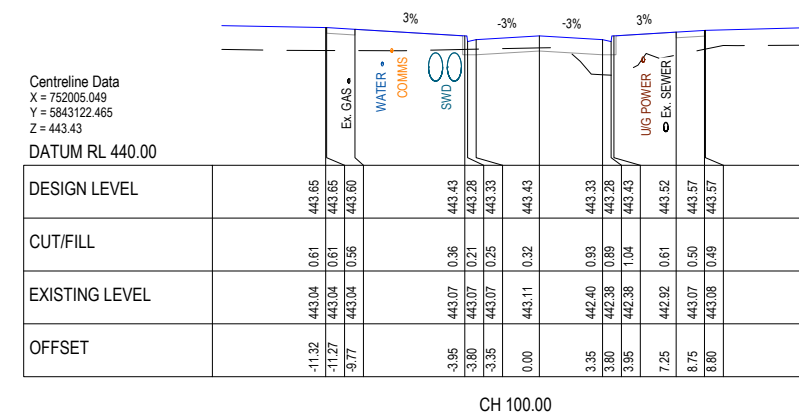
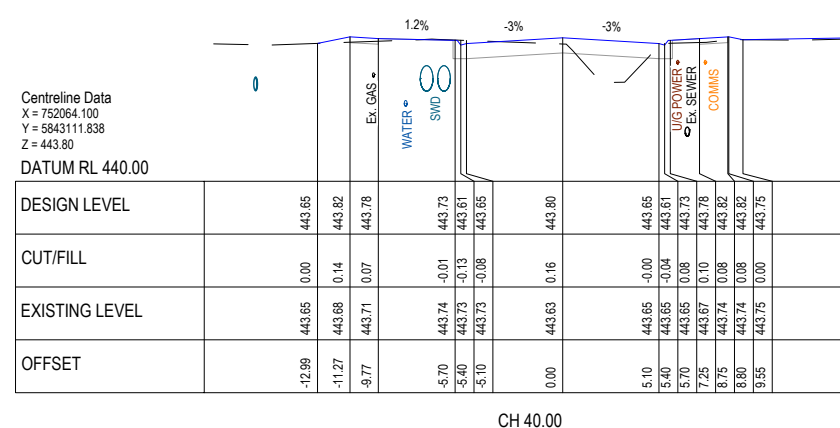
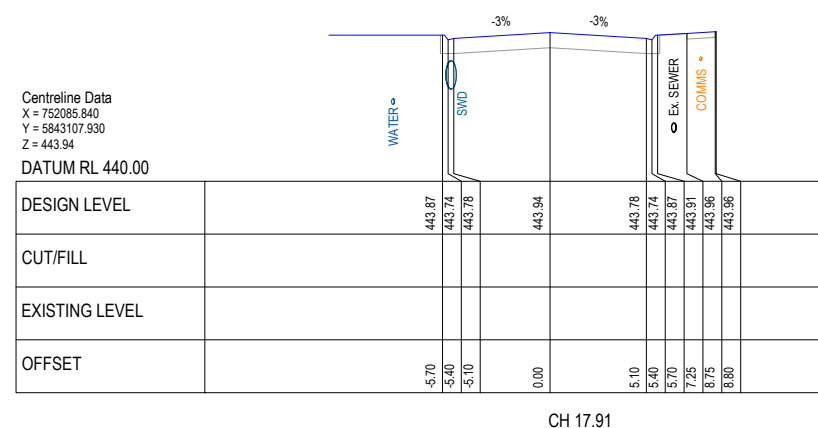
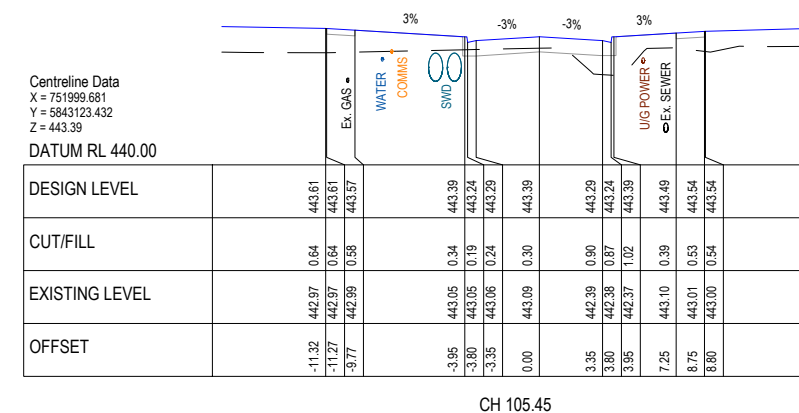
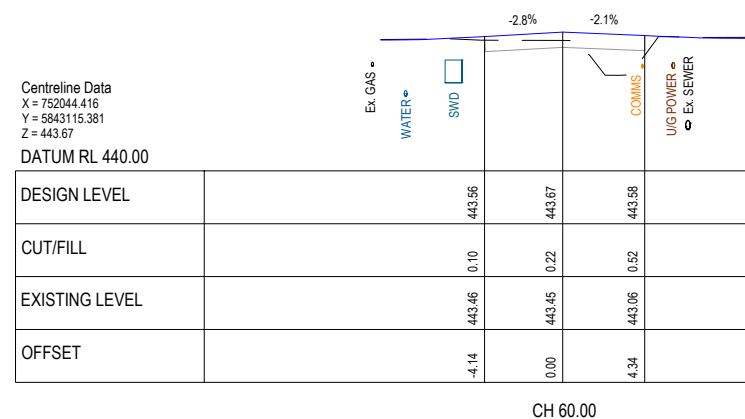
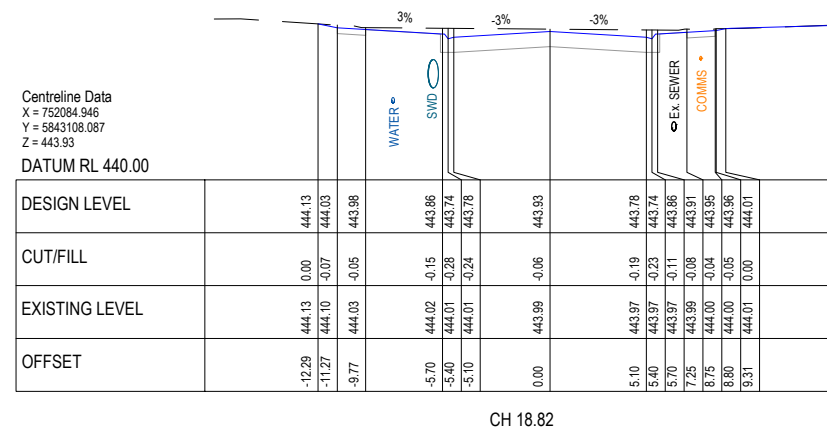
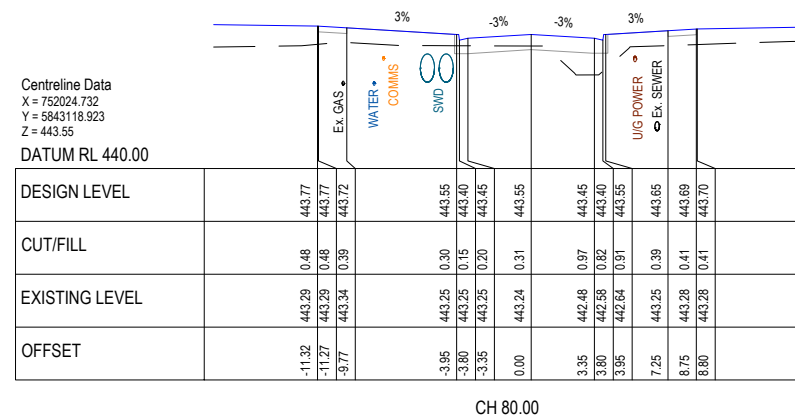
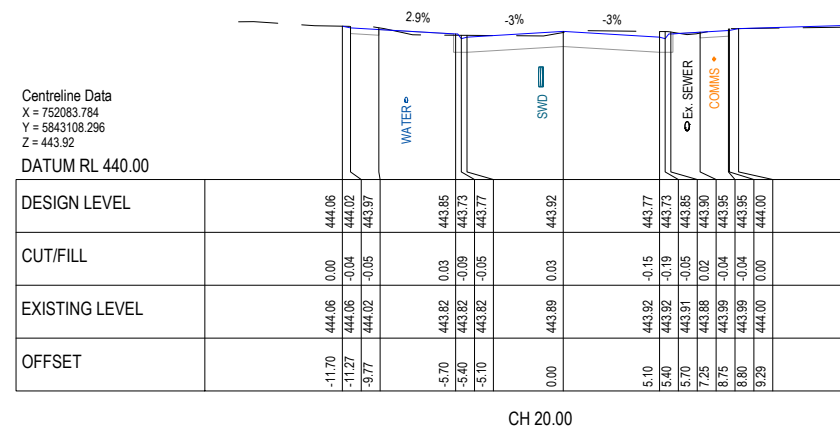
CIVIL DRAWING

OUTLET DETAIL, BOGONG AVENUE & DIVOT CIRCUIT LONGITUDINAL SECTIONS

REF. No: 17547-202 SHEET: C05 OF 21 REV: D



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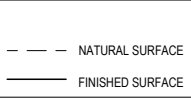


APPROVED CITY OF
BALLARAT 

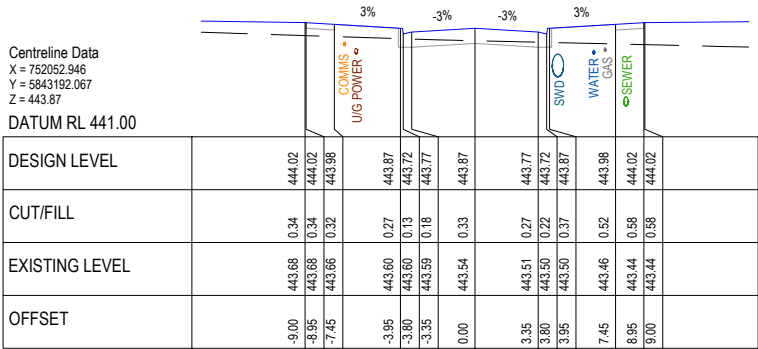
By Jeff Colbourne at 12:31 pm, Oct 23, 2024

AS CONSTRUCTED

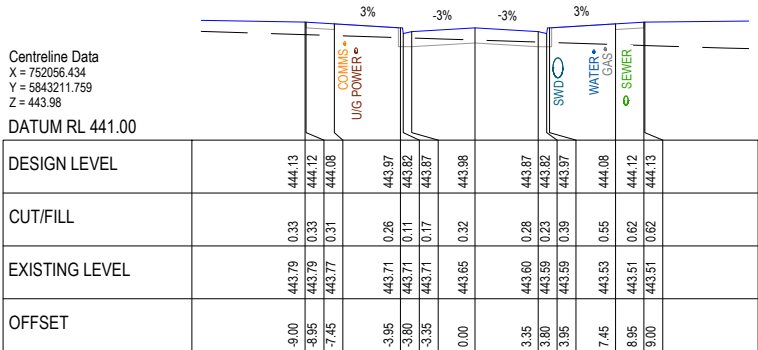
ISSUE					ISSUED FOR					DATE					DRAWN					APPROVED					DESIGNED: M. ANTON					DATE: NOVEMBER 2020					Stantec ABN 17 007 820 322 1315 Sturt Street (PO Box 563W) Ballarat, VIC Australia 3350 Phone +61 3 5330 8888 Fax +61 3 5333 3815 Web: www.stantec.com CLIENT: villawood properties Communities Designed for Living PROJECT: Drew's Paddock EVERMAY PARK STAGE 2 <tr><td>01</td><td colspan="4">PRELIMINARY</td><td colspan="4">13/11/2020</td><td colspan="4">TPMA</td><td colspan="4"></td><td colspan="4">A</td><td colspan="4">CONSTRUCTION</td><td colspan="4">29/02/2024</td><td colspan="4">E A</td><td colspan="4">R D</td><td colspan="4">DRAWN: T. POPOVSKI</td><td colspan="4">SCALE: A1: 1:200, A3: 1:400</td></tr> <tr><td>02</td><td colspan="4">TENDER</td><td colspan="4">18/11/2020</td><td colspan="4">T.P.</td><td colspan="4"></td><td colspan="4">B</td><td colspan="4">AS CONSTRUCTED</td><td colspan="4">02/09/2024</td><td colspan="4">GD</td><td colspan="4">RD</td><td colspan="4">SURVEY: STANTEC</td><td colspan="4">SHEET SIZE: A1 / A3</td></tr> <tr><td>03</td><td colspan="4">INFORMATION</td><td colspan="4">03/03/2023</td><td colspan="4">RJF</td><td colspan="4"></td><td colspan="4">C</td><td colspan="4">AS CONSTRUCTED</td><td colspan="4">20/09/2024</td><td colspan="4">GD</td><td colspan="4">RD</td><td colspan="4">CHECKED: R.DUNN</td><td colspan="4">APPROVED: R.DUNN</td></tr> <tr><td>04</td><td colspan="4">TENDER</td><td colspan="4">07/06/2023</td><td colspan="4">CBILP</td><td colspan="4"></td><td colspan="4">D</td><td colspan="4">AS CONSTRUCTED</td><td colspan="4">17.10.2024</td><td colspan="4">RJF</td><td colspan="4">RD</td><td 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APPROVAL				16/02/2024				JM				R.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		



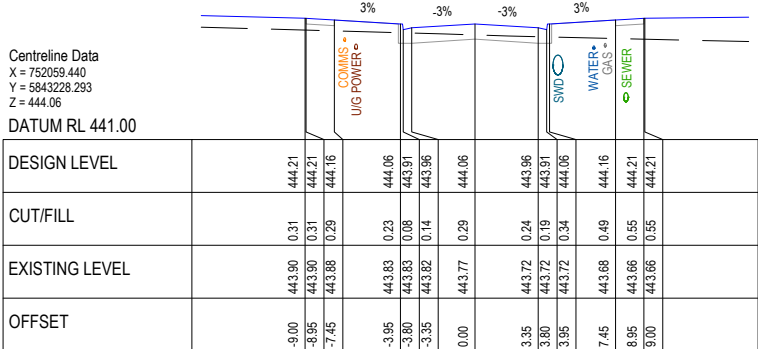
NOTE:
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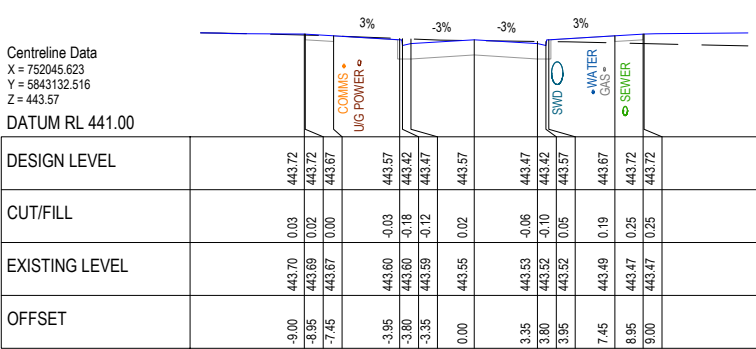
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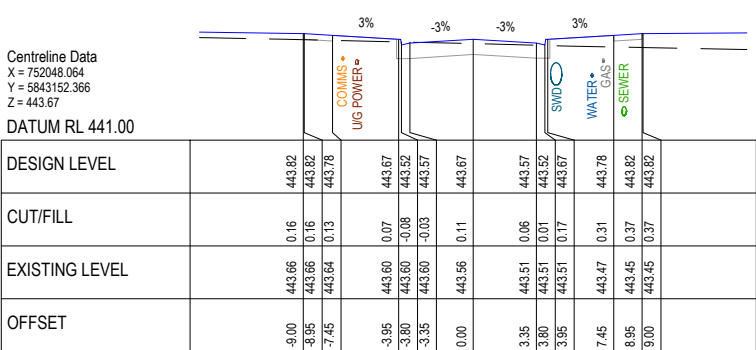
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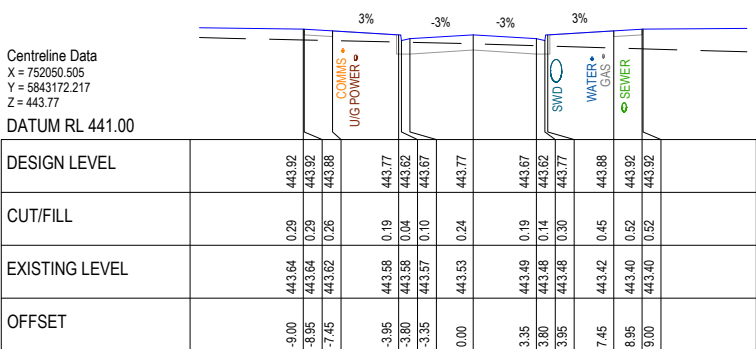
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CH 760.00



CH 740.00

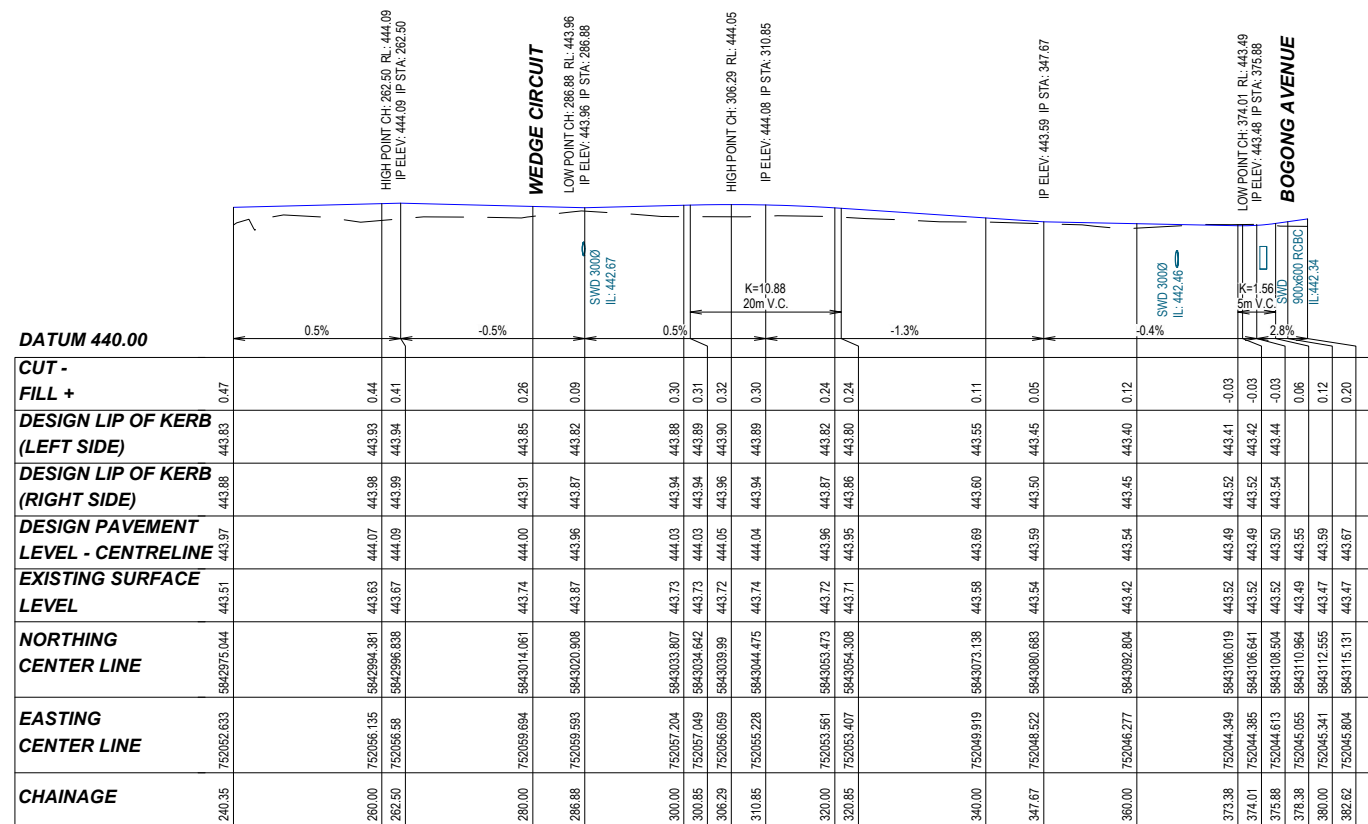
APPROVED CITY OF BALLARAT
By Jeff Colbourne at 12:31 pm, Oct 23, 2024

AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	M. ANTON	DATE:	NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E A	R D	DRAWN:	T. POPOVSKI	SCALE:	A1: 1:200, A3: 1:400
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY:	STANTEC	SHEET SIZE:	A1 / A3
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED:		APPROVED:	
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	RJF	RD		R.DUNN		R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE:	18.10.23	DATE:	18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.						Stantec ABN 17 007 820 322 1315 Sturt Street (PO Box 563W) Ballarat, VIC Australia 3350 Phone +61 3 5330 8888 Fax +61 3 5333 3815 Web: www.stantec.com villawood properties Communities Designed for Living			
07	FOR APPROVAL	16/02/2024	JM	R.D.									
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CLIENT:		
PROJECT:		

CIVIL DRAWING		
DRAWING TITLE: DIVOT CIRCUIT CROSS SECTIONS		
REF. No.: 17547-202	SHEET: C07	OF 21
		REV: D



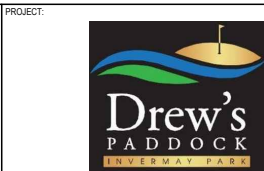
APPROVED CITY OF **BALLARAT** 
By Jeff Colbourne at 12:31 pm, Oct 23, 2024

CIVIL DRAWING

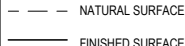
REF. No.: 17547-202	SHEET: C08 OF 21	REV: D
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01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	23/02/2024	E.A	R.D	DRAWN:	T. POPOVSKI	SCALE:	A1: 1:500, A3: 1:1000
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03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED:		APPROVED:	
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	RJF	RD		R.DUNN		R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE:	18.10.23	DATE:	18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.									
07	FOR APPROVAL	16/02/2024	JM	R.D.									


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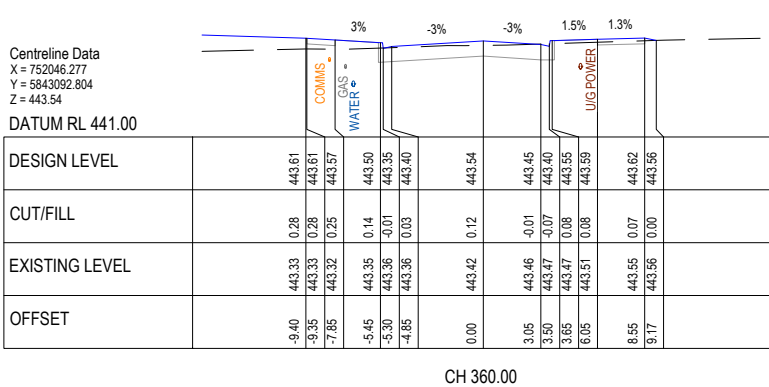
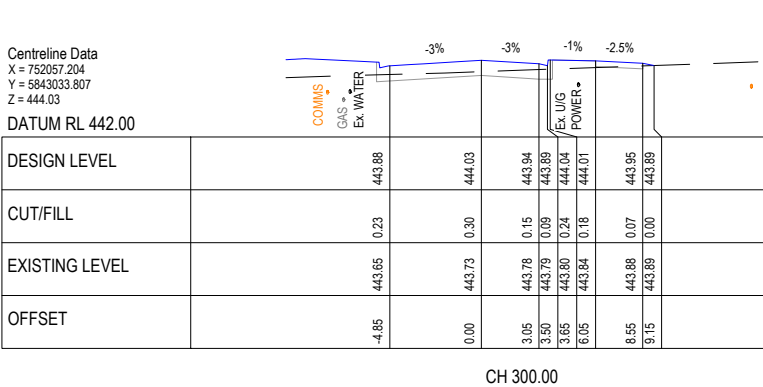
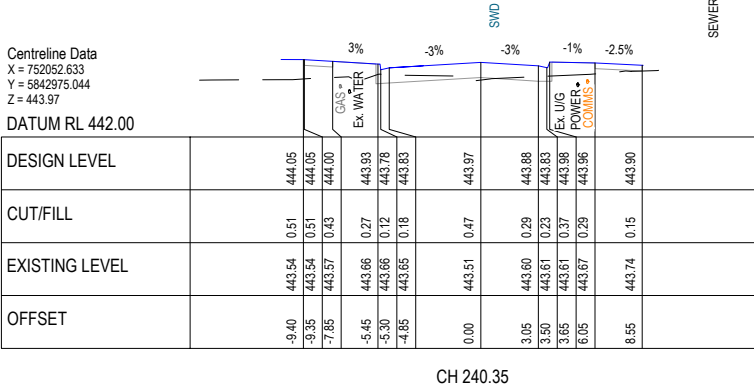
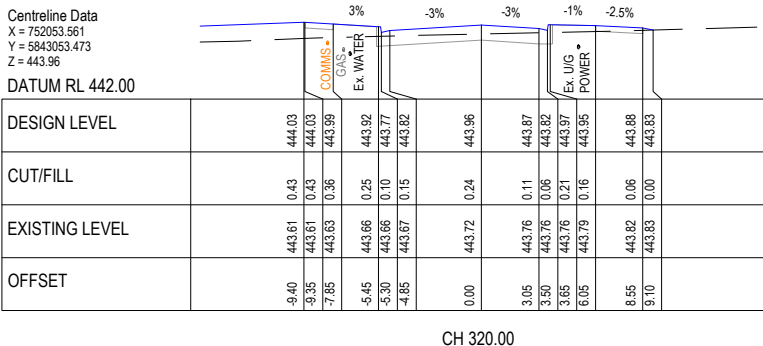
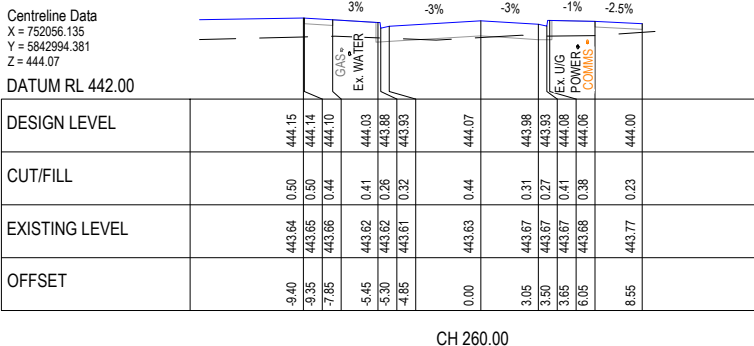
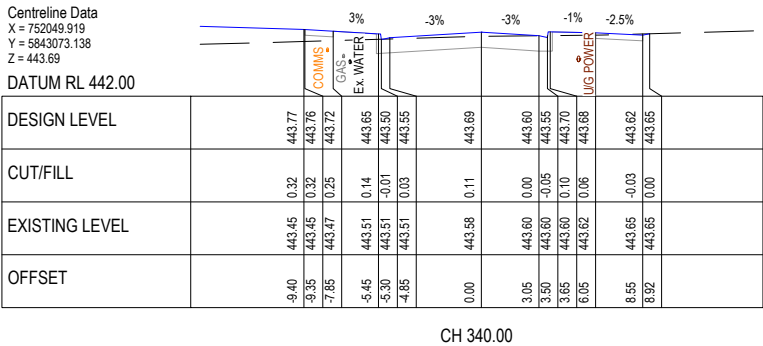
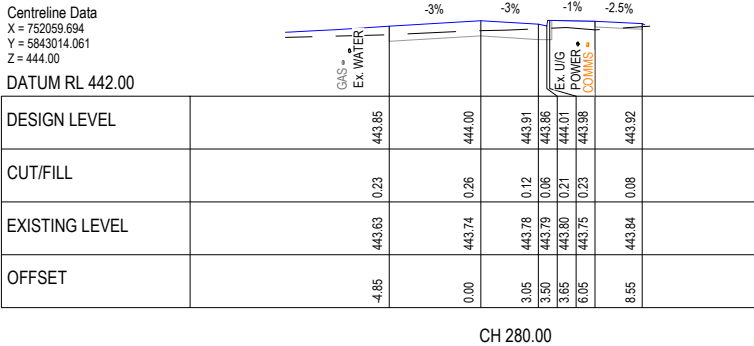


STAGE 2



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APPROVED CITY OF **BALLARAT** 

By Jeff Colbourne at 12:31 pm, Oct 23, 2024

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ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	M. ANTON	DATE:	NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	E A	R D	DRAWN:	T. POPOVSKI	SCALE:	A1: 1:200, A3: 1:400
02	TENDER	18/11/2020	J.M		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY:	STANTEC	SHEET SIZE:	A1 / A3
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED:		APPROVED:	
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05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE:	18.10.23	DATE:	18.10.23
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07	FOR APPROVAL	16/02/2024	J.M	R.D.									

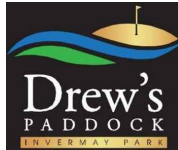

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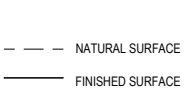
STAGE 2

DRAWING TITLE:

**WELLARD BOULEVARD
CROSS SECTIONS**

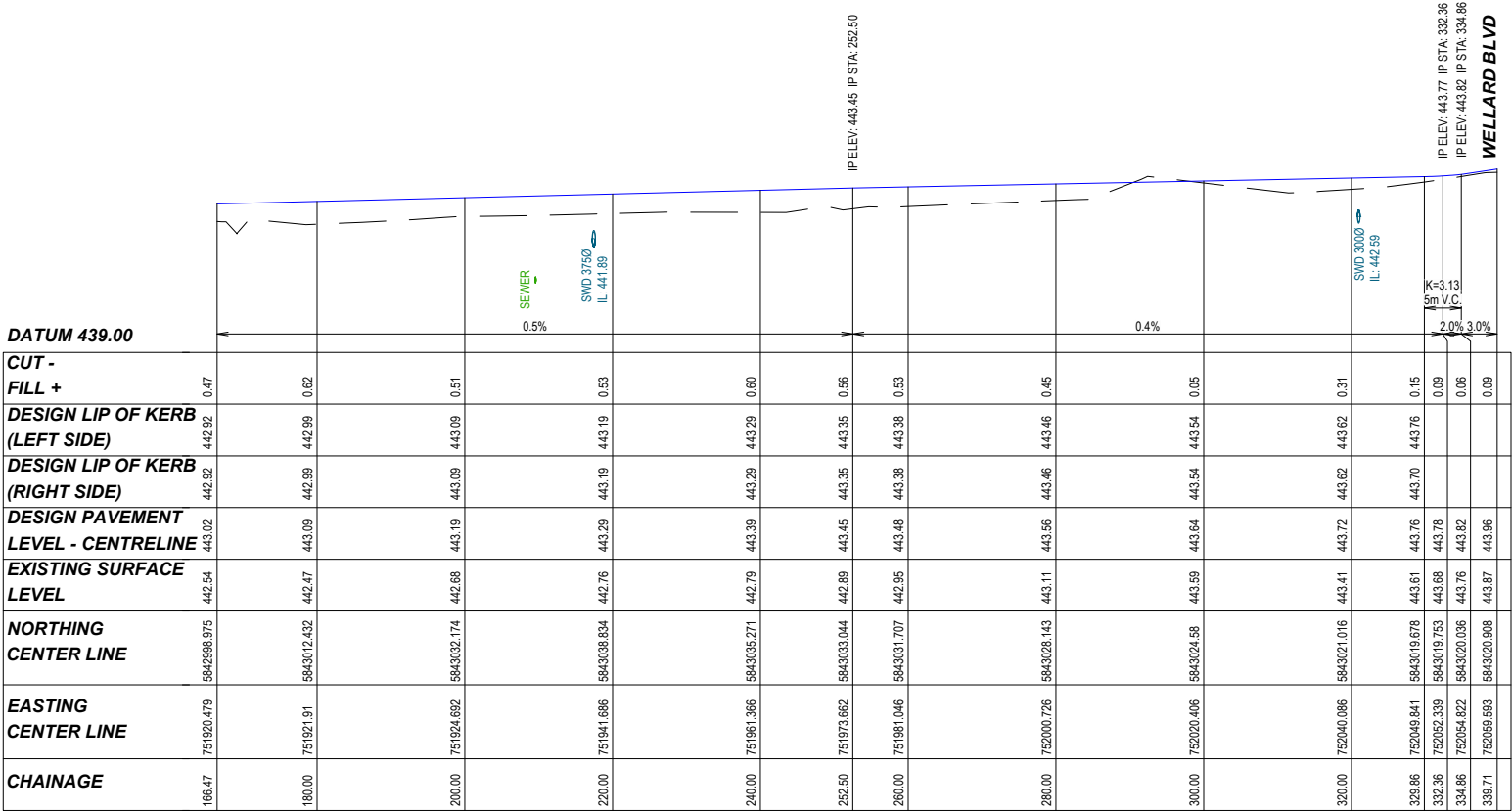
REF. No.: 17547-202

SHEET: C09 OF 21



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APPROVED CITY OF BALLARAT

By Jeff Colbourne at 12:31 pm, Oct 23, 2024

AS CONSTRUCTED

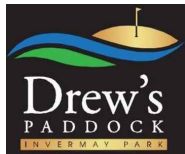
ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED: M. ANTON	DATE: NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E A	R D	DRAWN: T. POPOVSKI	SCALE: A1: 1:500, A3: 1:1000
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY: STANTEC	SHEET SIZE: A1 / A3
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED: R.DUNN	APPROVED: R.DUNN
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	RJF	RD	DATE: 18.10.23	DATE: 18.10.23
05	FOR APPROVAL	18/10/2023	ST	R.D.							
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							



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STAGE 2

CIVIL DRAWING

DRAWING TITLE:
**WEDGE CIRCUIT
LONGITUDINAL SECTION**

REF. No: 17547-202 SHEET: C10 OF 21 REV: D

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--- NATURAL SURFACE
— FINISHED SURFACE

APPROVED CITY OF
BALLARAT
By Jeff Colbourne at 12:31 pm, Oct 23, 2024

Centreline Data
X = 751924.692
Y = 5843032.174
Z = 443.19

DATUM RL 440.00

DESIGN LEVEL	442.56	443.22	443.19	443.04	443.09	443.30
CUT/FILL	0.00	0.56	0.53	0.37	0.42	0.64
EXISTING LEVEL	442.56	442.66	442.66	442.66	442.68	442.66
OFFSET	-10.22	-4.95	-3.95	-3.80	-3.35	-7.70

CH 200.00

Centreline Data
X = 751921.910
Y = 5843012.432
Z = 443.09

DATUM RL 440.00

DESIGN LEVEL	442.21	443.12	443.09	442.94	442.99	443.20
CUT/FILL	0.00	0.64	0.61	0.46	0.51	0.74
EXISTING LEVEL	442.21	442.47	442.47	442.47	442.47	442.46
OFFSET	-12.21	-4.95	-3.95	-3.80	-3.35	-7.70

CH 180.00

Centreline Data
X = 751920.479
Y = 5842998.975
Z = 443.02

DATUM RL 440.00

DESIGN LEVEL	442.47	443.05	443.02	442.87	442.92	443.13
CUT/FILL	0.00	0.51	0.48	0.33	0.38	0.58
EXISTING LEVEL	442.47	442.54	442.54	442.54	442.54	442.55
OFFSET	-9.55	-4.95	-3.95	-3.80	-3.35	-7.70

CH 166.47

Centreline Data
X = 751981.046
Y = 5843031.707
Z = 443.48

DATUM RL 440.00

DESIGN LEVEL	443.60	443.51	443.48	443.33	443.48	443.60
CUT/FILL	0.63	0.58	0.51	0.38	0.41	0.53
EXISTING LEVEL	442.97	442.97	442.97	442.97	442.97	442.95
OFFSET	-8.00	-7.95	-6.45	-3.95	-3.80	-8.00

CH 260.00

Centreline Data
X = 751961.366
Y = 5843035.271
Z = 443.39

DATUM RL 440.00

DESIGN LEVEL	443.51	443.46	443.39	443.24	443.29	443.39
CUT/FILL	0.65	0.60	0.55	0.40	0.45	0.60
EXISTING LEVEL	442.86	442.86	442.84	442.84	442.83	442.79
OFFSET	-8.00	-7.95	-6.45	-3.95	-3.80	-8.00

CH 240.00

Centreline Data
X = 751941.686
Y = 5843038.834
Z = 443.29

DATUM RL 440.00

DESIGN LEVEL	443.41	443.36	443.29	443.14	443.19	443.41
CUT/FILL	0.65	0.60	0.53	0.38	0.43	0.53
EXISTING LEVEL	442.76	442.76	442.76	442.76	442.76	442.76
OFFSET	-8.00	-7.95	-6.45	-3.95	-3.80	-8.00

CH 220.00

Centreline Data
X = 752044.837
Y = 5843020.156
Z = 443.74

DATUM RL 441.00

DESIGN LEVEL	443.66	443.64	443.59	443.74	443.81	443.86
CUT/FILL	0.10	0.15	0.10	0.25	0.31	0.35
EXISTING LEVEL	443.56	443.49	443.49	443.49	443.50	443.50
OFFSET	-3.99	3.35	3.80	3.95	6.45	7.95

CH 324.83

Centreline Data
X = 752040.086
Y = 5843021.016
Z = 443.72

DATUM RL 441.00

DESIGN LEVEL	443.84	443.79	443.72	443.62	443.57	443.62
CUT/FILL	0.38	0.35	0.27	0.19	0.14	0.29
EXISTING LEVEL	443.46	443.46	443.45	443.43	443.43	443.44
OFFSET	-8.00	-7.95	-6.45	-3.95	-3.80	-8.00

CH 320.00

Centreline Data
X = 752020.406
Y = 5843024.580
Z = 443.64

DATUM RL 441.00

DESIGN LEVEL	443.76	443.71	443.64	443.54	443.49	443.76
CUT/FILL	0.09	0.01	0.04	0.08	0.04	0.37
EXISTING LEVEL	443.66	443.67	443.60	443.46	443.45	443.39
OFFSET	-8.00	-7.95	-6.45	-3.95	-3.80	-8.00

CH 300.00

Centreline Data
X = 752000.726
Y = 5843028.143
Z = 443.56

DATUM RL 441.00

DESIGN LEVEL	443.88	443.83	443.56	443.46	443.41	443.88
CUT/FILL	0.51	0.47	0.42	0.37	0.32	0.60
EXISTING LEVEL	443.37	443.36	443.14	443.09	443.08	443.08
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CH 280.00

AS CONSTRUCTED

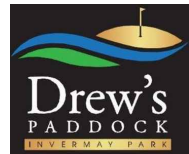
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01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E A	R D	M. ANTON	NOVEMBER 2020
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	T. POPOVSKI	SCALE: A1: 1:200, A3: 1:400
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	STANTEC	SHEET SIZE: A1 / A3
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	RJF	RD	R.DUNN	APPROVED: R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						18.10.23	DATE: 18.10.23
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STAGE
2

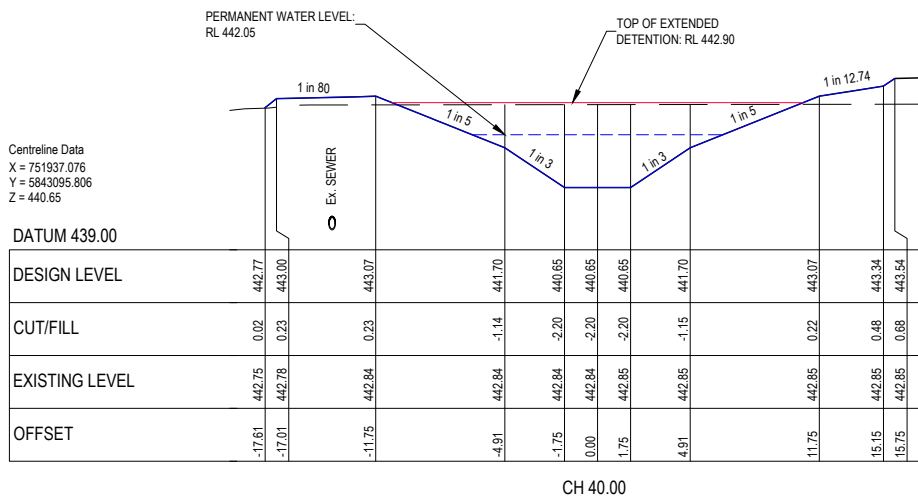
CIVIL DRAWING

DRAWING TITLE:
**WEDGE CIRCUIT
CROSS SECTIONS**

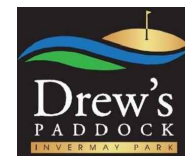
REF. No: 17547-202

SHEET: C11 OF 21 REV: D

— — — NATURAL SURFACE
———— FINISHED SURFACE



NOTE:
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[illegible]

STAGE 2

APPROVED CITY OF
BALLARAT 

By Jeff Colbourne at 12:32 pm, Oct 23, 2024

AS CONSTRUCTED

CIVIL DRAWING

DRAWING TITLE:

**SMALL BASIN LONGITUDINAL
& CROSS SECTIONS**

REF. No.: 17547-202	SHEET: C12	OF 21	REV: D
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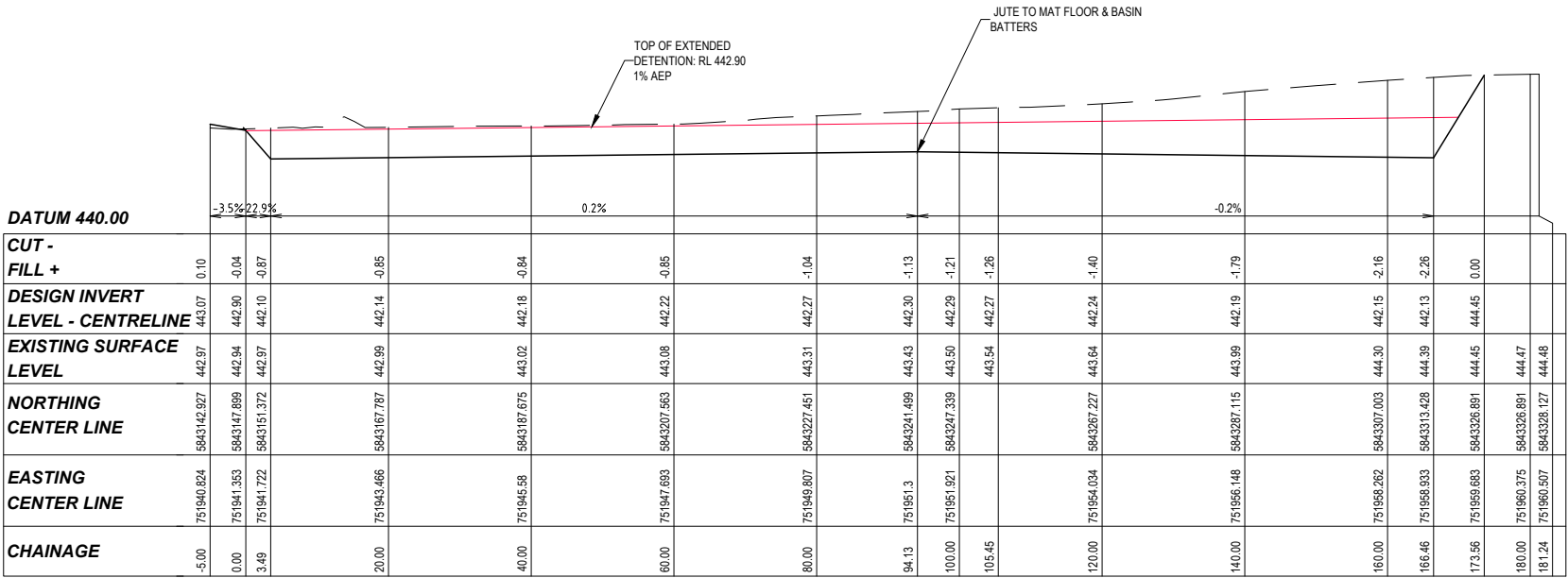
LEGEND

--- NATURAL SURFACE

— FINISHED SURFACE

NOTE:

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LARGE BASIN LONGITUDINAL SECTION

SCALE H 1:500, V 1:100

APPROVED CITY OF BALLARAT

By Jeff Colbourne at 12:32 pm, Oct 23, 2024

AS CONSTRUCTED

ISSUE				ISSUED FOR				DESIGNED: M. ANTON				DATE: NOVEMBER 2020			
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	E.A	R.D	DRAWN: T. POPOVSKI	SCALE: A1: 1:500, A3: 1:1000				
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY: STANTEC	SHEET SIZE: A1 / A3				
03	INFORMATION	03/03/2023	R.J.F		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED: R.DUNN	APPROVED: R.DUNN				
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	R.J.F	RD	DATE: 18.10.23	DATE: 18.10.23				
05	FOR APPROVAL	18/10/2023	ST	R.D.											
06	FOR APPROVAL	20/12/2023	ST	R.D.											
07	FOR APPROVAL	16/02/2024	JM	R.D.											



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Communities Designed for Living



STAGE 2

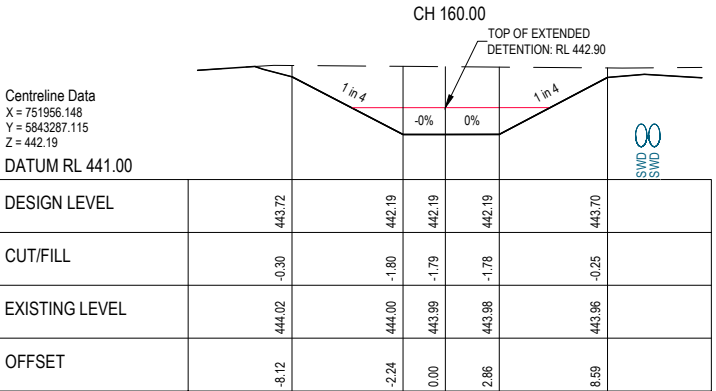
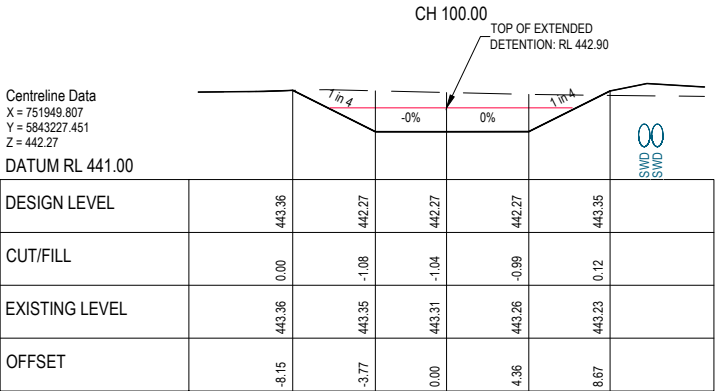
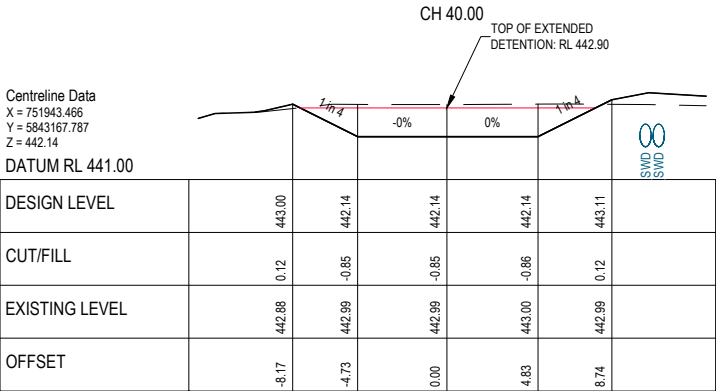
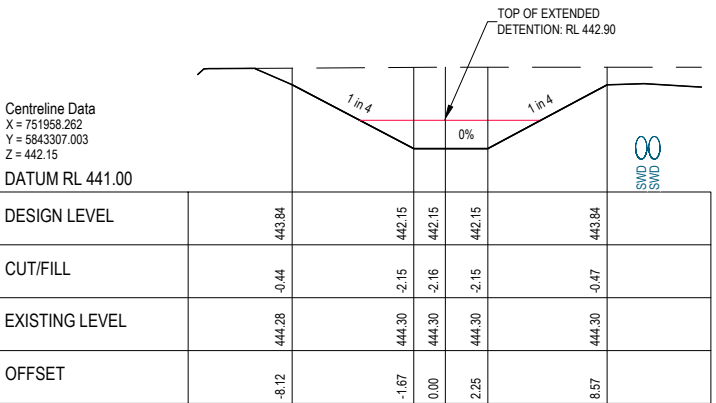
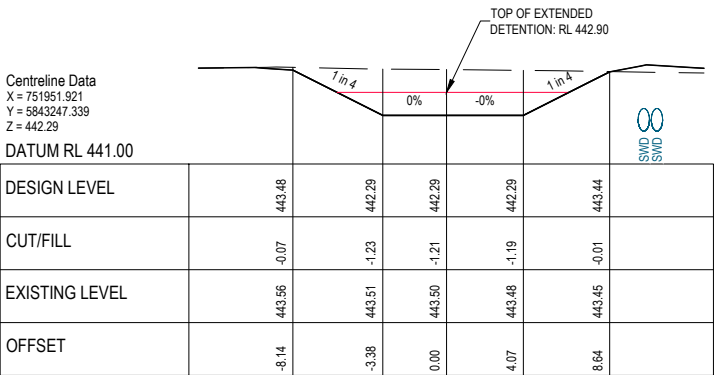
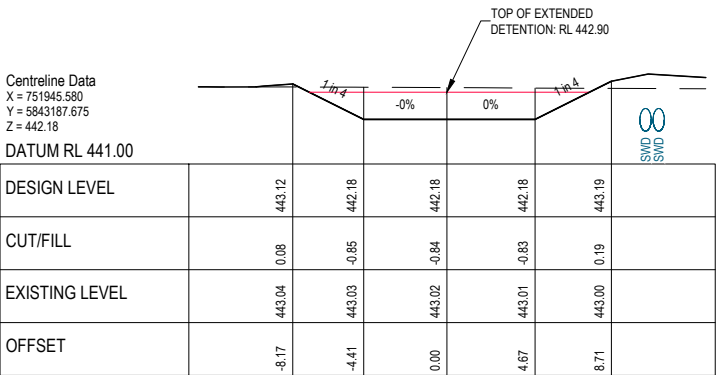
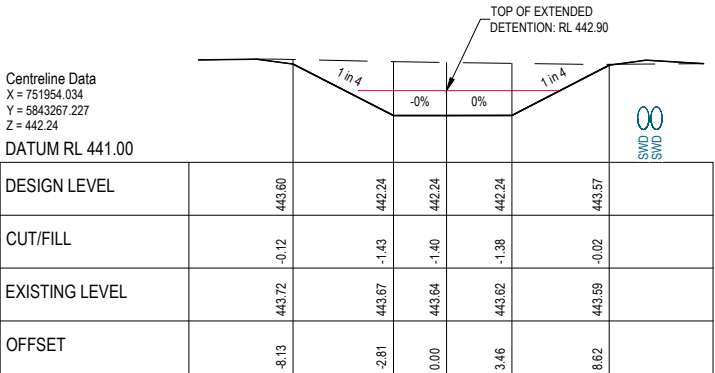
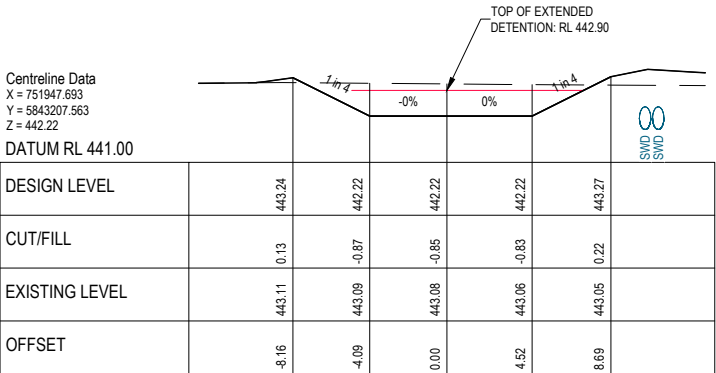
CIVIL DRAWING			
DRAWING TITLE: LARGE BASIN LONGITUDINAL SECTION			
REF. No: 17547-202	SHEET: C13 OF 21	REV: D	

LEGEND

--- NATURAL SURFACE
— FINISHED SURFACE

NOTE:

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LARGE BASIN CROSS SECTIONS

SCALE H 1:200, V 1:100

APPROVED CITY OF BALLARAT

By Jeff Colbourne at 12:32 pm, Oct 23, 2024

AS CONSTRUCTED

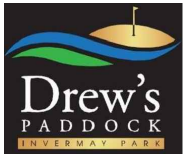
ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED: M. ANTON	DATE: NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TPMA		A	CONSTRUCTION	29/02/2024	E.A	R.D	DRAWN: T. POPOVSKI	SCALE: A1: 1:200, A3: 1:400
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY: STANTEC	SHEET SIZE: A1 / A3
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED: R.DUNN	APPROVED: R.DUNN
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	RJF	RD	DATE: 18.10.23	DATE: 18.10.23
05	FOR APPROVAL	18/10/2023	ST	R.D.							
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							



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STAGE 2

CIVIL DRAWING

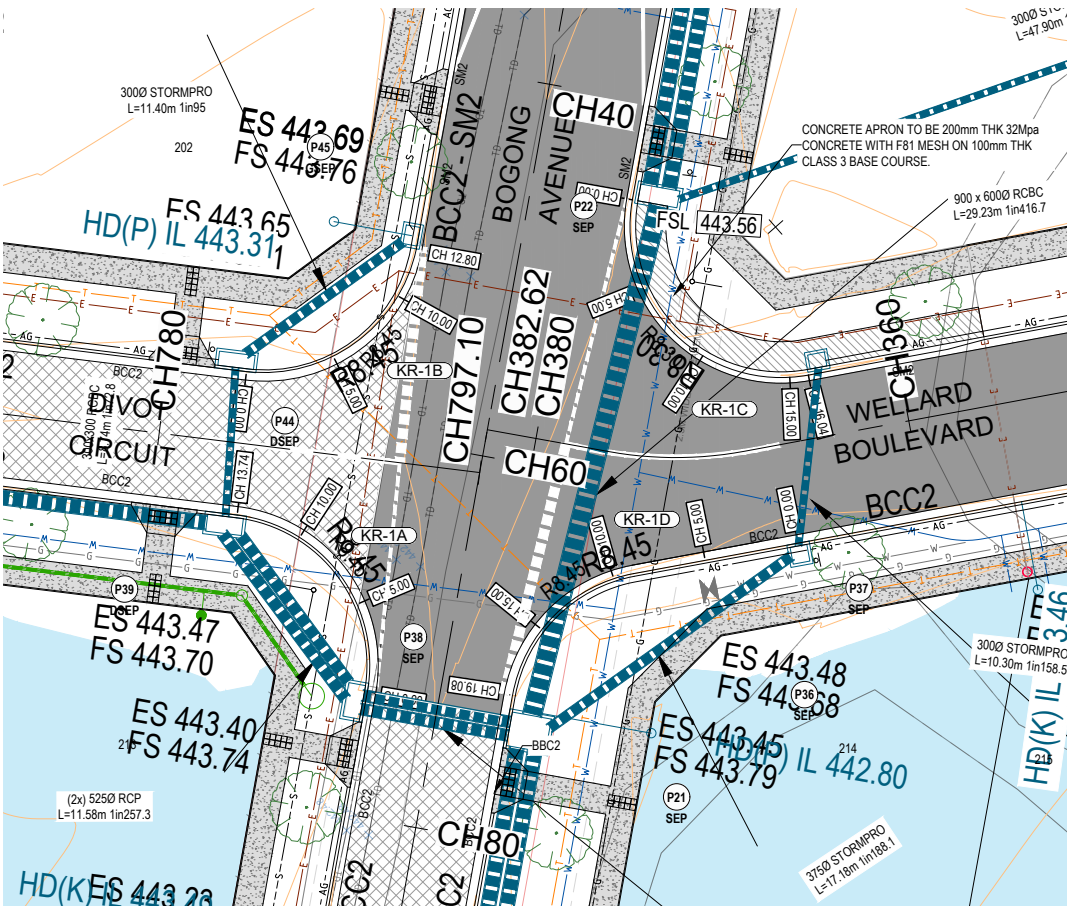
DRAWING TITLE: LARGE BASIN CROSS SECTIONS

REF. No: 17547-202

SHEET: C14 OF 21

REV: D

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HORIZONTAL CURVES

VERTICAL CURVES

VERTICAL GRADES

DATUM RL 440.00

DESIGN						
LIP OF KERB						
CUT +						
FILL -						
EXISTING SURFACE						
LIP						
NORTHING						
LIP						
EASTING						
CHAINAGE						
0						
2.36						
5.00						
10.00						
13.74						

0						
5.00						
10.00						
12.8						

0						
5.00						
10.00						
15.00						
16.04						

0						
5.00						
8.86						
10.00						
15.00						
19.08						

APPROVED CITY OF **BALLARAT**
By Jeff Colbourne at 12:32 pm, Oct 23, 2024

AS CONSTRUCTED

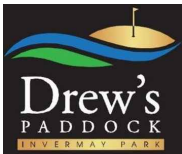
ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED	DATE
01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E.A	R.D	M. ANTON	NOVEMBER 2020
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	T. POPOVSKI	SCALE: A1: 1:200, A3: 1:400
03	INFORMATION	03/03/2023	RJF		C	AS CONSTRUCTED	20/09/2024	GD	RD	STANTEC	SHEET SIZE: A1 / A3
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17.10.2024	RJF	RD	R.DUNN	APPROVED: R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE: 18.10.23	DATE: 18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							



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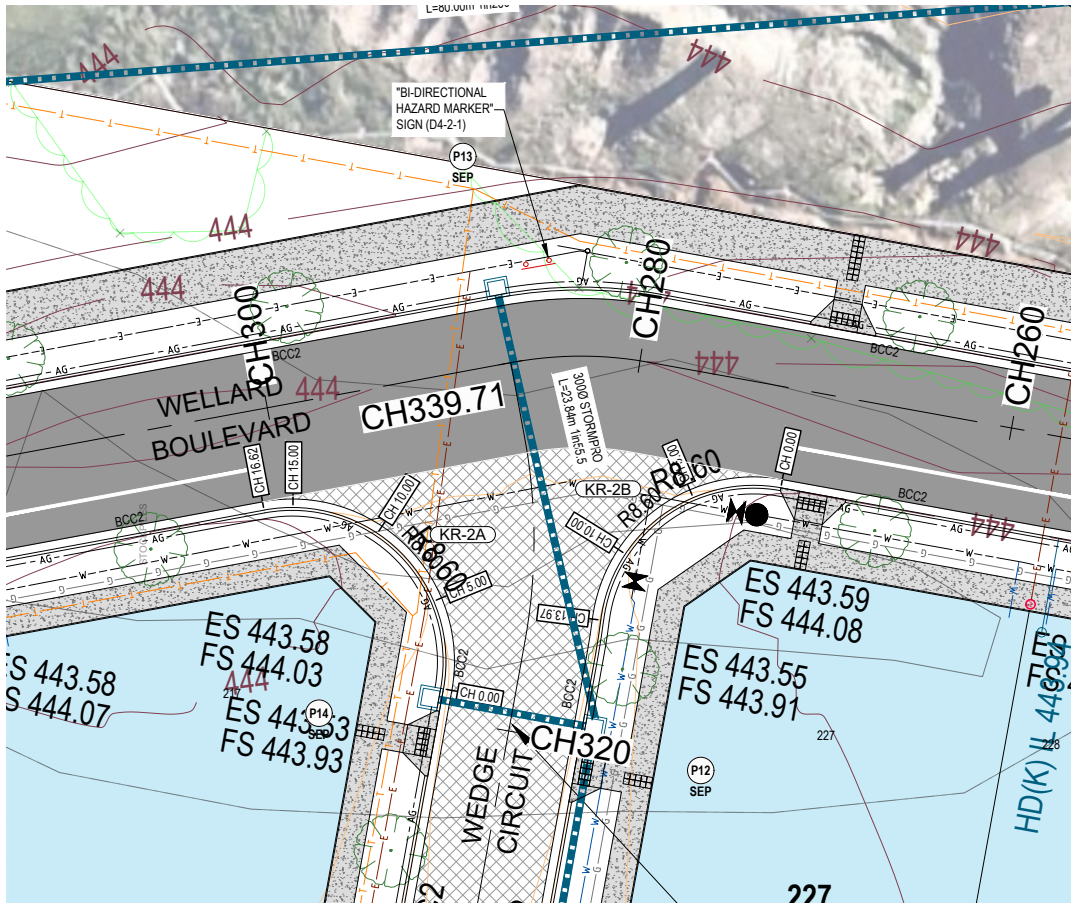
STAGE
2

CIVIL DRAWING

**BOGONG AVE/DIVOT CIR/WELLARD BLVD
INTERSECTION PLAN & LONG SECTIONS**

REF. No: 17547-202 SHEET: C15 OF 21 REV: D

NOTE:



VERTICAL CURVES

VERTICAL GRADES

DATUM RL 441.00

LIP OF KERB

FILL -	

--	--

NORTHING

FASTING

CHAINAGE



VERTICAL CURVES

VERTICAL GRADES

DATUM RL 441.00

LIP OF KERB
OUT:

FILL -	

NORTHING

EASTING

CHAINAGE

APPROVED CITY OF BALLARAT 

AS CONSTRUCTED

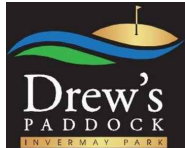
ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED:	M. ANTON	SCALE:	NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TPMA	A	C CONSTRUCTION		29/02/2024	E A	R D	DRAWN:	T. POPOVSKI	A1 : 1/200, A3 : 1/400	
02	TENDER	18/11/2020	T.P.	B	AS CONSTRUCTED		02/09/2024	G D	R D	SURVEY:	STANTEC	SHEET SIZE:	A1 / A3
03	INFORMATION	03/03/2023	RJF	C	AS CONSTRUCTED		20/09/2024	G D	R D	CHECKED:		APPROVED:	
04	TENDER	07/06/2023	CBILP	D	AS CONSTRUCTED		17.10.2024	R J F	R D		R.DUNN		R.DUNN
05	FOR APPROVAL	18/10/2023	ST	R.D.						DATE:	18.10.23	DATE:	18.10.23
06	FOR APPROVAL	20/12/2023	ST	R.D.									
07	FOR APPROVAL	16/02/2024	JM	R.D.									
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STAGE 2

CIVIL DRAWING

DRAWING TITLE:

**WELLARD BLVD/WEDGE CIRCUIT
INTERSECTION PLAN & LONG SECTIONS**

REF. No.: 17547-202

SHEET: C16 OF 21	REV: D
------------------	--------

LEGEND

- COMPACTED CLASS 3 CRUSHED ROCK BACKFILL TO SUBGRADE LEVEL
- COMPACTED NDCR CRUSHED ROCK BACKFILL TO 500mm BELOW BASE OF KERB OR APPROVED EQUIVALENT
- NATURAL SURFACE
- FINISHED SURFACE
- HGL

DATUM

PIPE SIZE, CLASS AND GRADE	3750 RCP (RRJ) G=1.18 1 in 84.6	3750 STORMPRO G=0.1 1 in 1005.2	3750 STORMPRO G=0.01 1 in 1000000
H.G.L. LEVELS	442.44 442.47 442.50	442.47 441.82 441.84	442.50 442.44 442.44
DEPTH TO INVERT	0.81 1.00 0.98	1.22 1.02 0.93	1.04 1.04 0.38
DESIGN INVERT LEVEL	441.80 441.82 441.84	441.89 442.09 442.16	441.55 441.52 441.55
EXISTING SURFACE	442.47 442.58 442.82	442.84 442.93 443.09	443.54 443.54 443.54
DESIGN SURFACE LEVEL	442.81 442.82 442.82	443.11 443.09 443.09	442.43 442.43 442.43
CHAINAGE/LENGTH	0.00 0.09 1.69	50.26	63.71

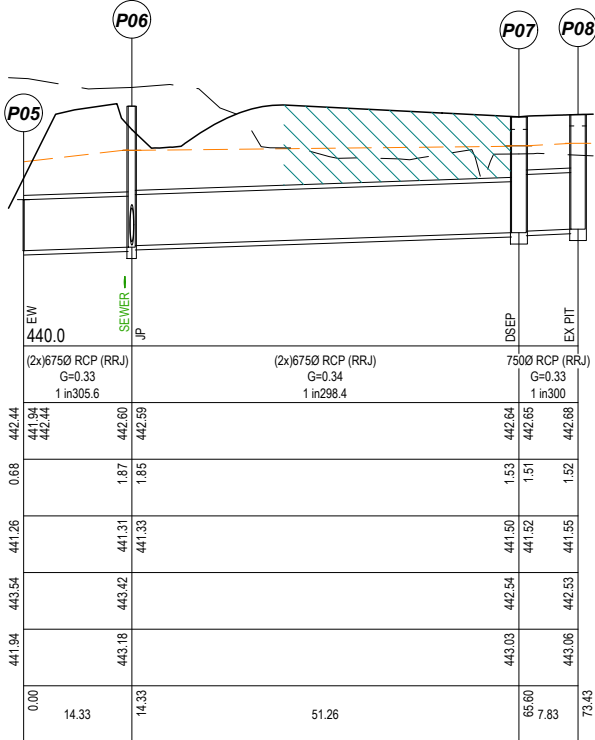
PIPE FLOW (Q)
PIPE CAPACITY (Qc)
PIPE CAPACITY RATIO (Q/Qc)
PIPE FLOW VELOCITY (V)

85l/s
45.8l/s
39%
1.29m/s

104l/s
2l/s
167%
1.02m/s

109l/s
0l/s
40%
2.09m/s

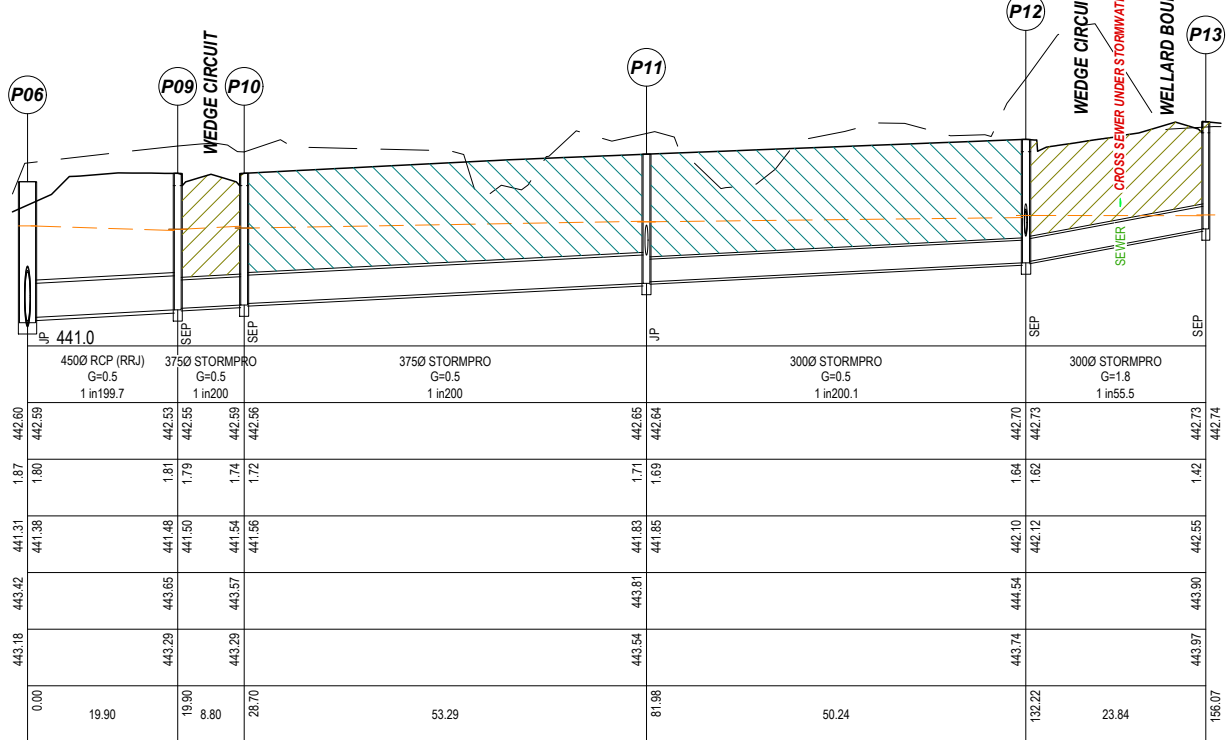
112l/s
0l/s
571%
1.12m/s



886l/s
1071.7l/s
83%
1.89m/s

679l/s
1080.7l/s
63%
1.18m/s

286l/s
710.6l/s
40%
1.03m/s



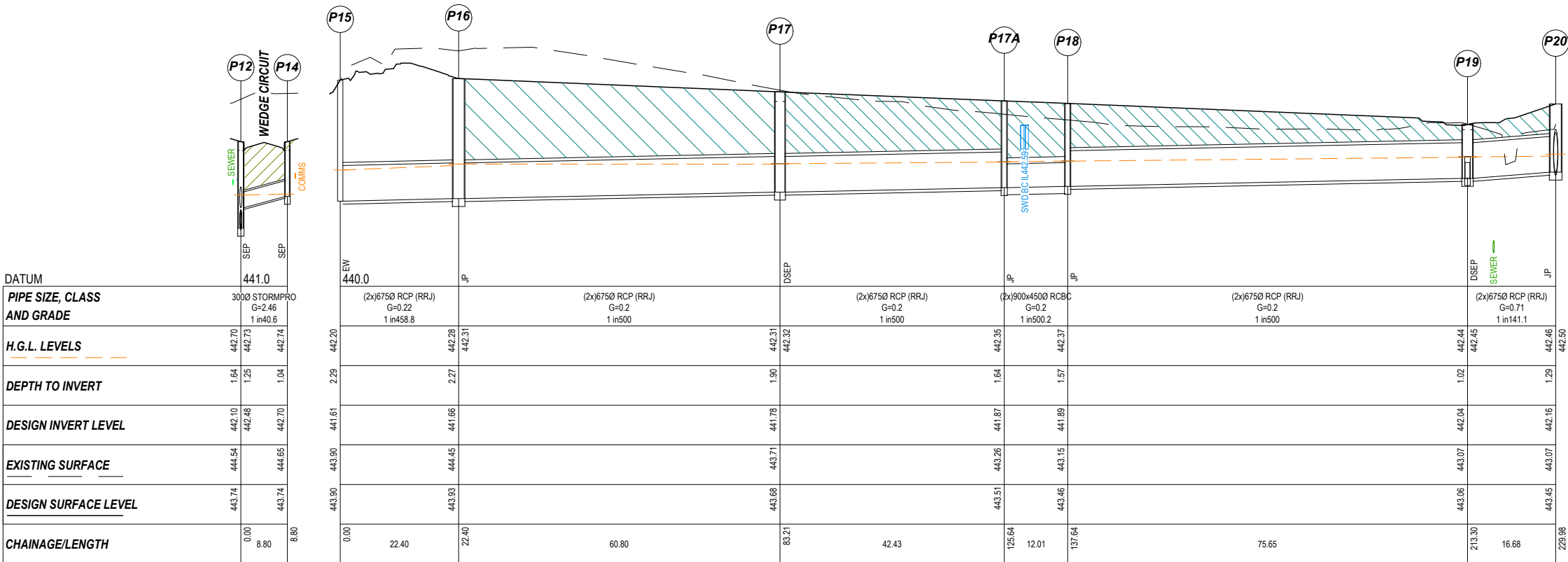
163l/s
227.9l/s
71%
1.26m/s

104l/s
140.9l/s
73%
0.94m/s

82l/s
140.9l/s
58%
1.01m/s

51l/s
78.2l/s
66%
1.05m/s

16l/s
149.4l/s
7%
0.8m/s



PIPE FLOW (Q)
PIPE CAPACITY (Qc)
PIPE CAPACITY RATIO (Q/Qc)
PIPE FLOW VELOCITY (V)

7l/s
174.7l/s
4%
1.13m/s

496l/s
869.7l/s
57%
0.74m/s

481l/s
832.6l/s
58%
0.93m/s

519l/s
832.6l/s
62%
1.27m/s

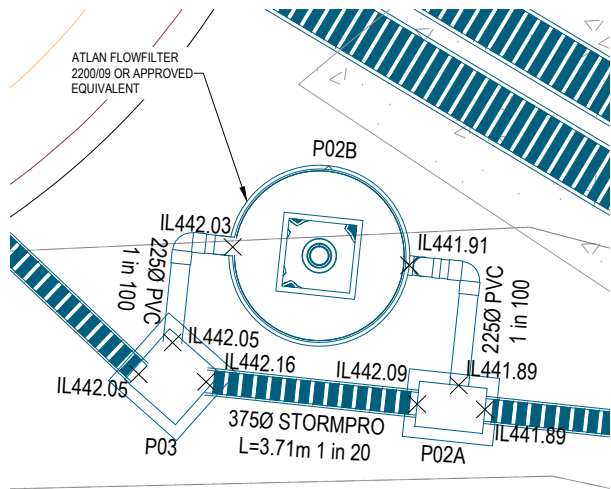
529l/s
874.6l/s
60%
0.78m/s

525l/s
832.7l/s
61%
1.31m/s

408l/s
1576.2l/s
26%
1.17m/s

DRAINAGE LONGITUDINAL SECTION

SCALE H 1:500, V 1:50



ATLAN FLOWFILTER CONNECTION DETAIL

SCALE 1:50

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AS CONSTRUCTED

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01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E.A	R.D	DRAWN: T. POPOVSKI	SCALE: A1: 1:500, A3: 1:1000
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVIV: STANTEC	SHEET SIZE: A1 / A3
03	INFORMATION	03/03/2023	R.J.F		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED: R.DUNN	APPROVED: R.DUNN
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	R.J.F	RD	DATE: 18.10.23	DATE: 18.10.23
05	FOR APPROVAL	18/10/2023	ST	R.D.							
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							

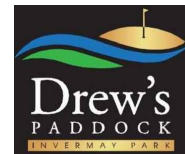
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STAGE 2

CIVIL DRAWING

DRAWING TITLE:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 3

REF. No: 17547-202 SHEET: C17 OF 21 REV: D

LEGEND

- COMPACTED CLASS 3 CRUSHED ROCK BACKFILL TO SUBGRADE LEVEL
- COMPACTED NDCR CRUSHED ROCK BACKFILL TO 500mm BELOW BASE OF KERB OR APPROVED EQUIVALENT
- NATURAL SURFACE
- FINISHED SURFACE
- HGL

DATUM

PIPE SIZE, CLASS AND GRADE		(2x)7500 RCP (RRJ) G=0.18 1 in 548.4	900x6000 RCBC G=0.24 1 in 416.7	(2x)6750 RCP (RRJ) G=0.23 1 in 433.9	6000 RCP (RRJ) G=0.25 1 in 392.7	
HGL LEVELS	441.0	442.46 442.83 443.63	442.81 442.86	442.91	442.97	443.02
DEPTH TO INVERT	1.29		1.33	1.34	1.45	1.42
DESIGN INVERT LEVEL	442.16	442.30	442.30	442.37	442.43	442.48
DESIGN SURFACE LEVEL	443.07	443.30	443.30	443.74	443.76	443.90
NATURAL SURFACE LEVEL	443.45	443.63	443.72	443.88		443.90
CHAINAGE/LENGTH	229.98	78.82	308.80	29.23	338.03	24.36
PIPE FLOW (Q)		1171l/s	755l/s	752l/s	473l/s	
PIPE CAPACITY (Qc)		1047.9l/s	717l/s	894.5l/s	620.3l/s	
PIPE CAPACITY RATIO (Q/Qc)		112%	106%	84%	76%	
PIPE FLOW VELOCITY (V)		1.84m/s	1.76m/s	1.4m/s	1.7m/s	



DATUM

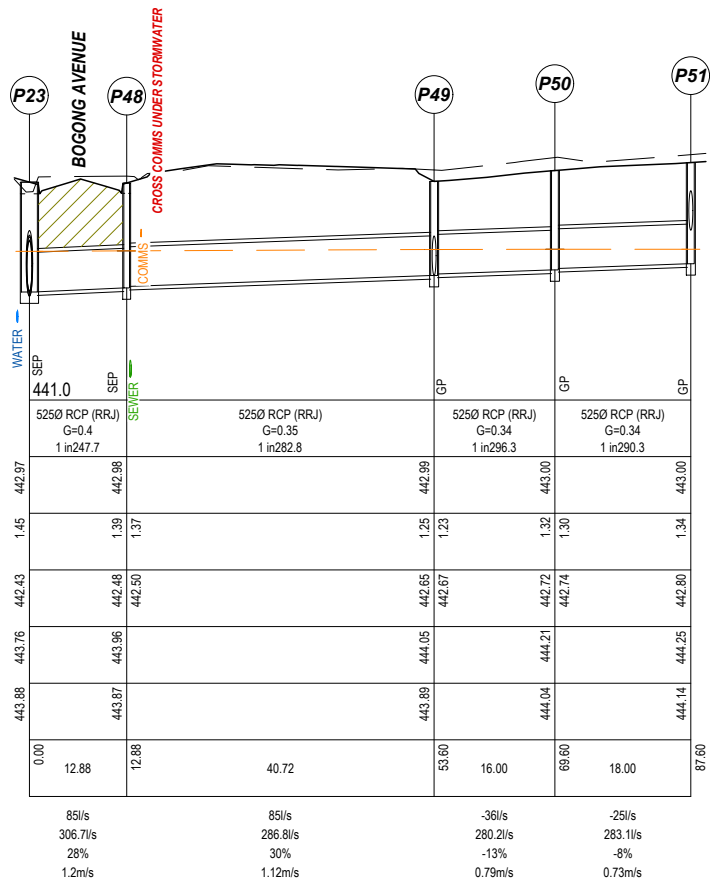
PIPE SIZE, CLASS AND GRADE		3000 STORMPRO G=0.5 1 in 199.4	3000 STORMPRO G=0.5 1 in 200	
HGL LEVELS	441.0	442.91	443.04	443.79
DEPTH TO INVERT	1.34		1.39	0.95
DESIGN INVERT LEVEL	442.37	442.37	442.51	443.01
DESIGN SURFACE LEVEL	443.74	443.74	444.04	443.97
NATURAL SURFACE LEVEL	443.72	444.01	444.01	443.97
CHAINAGE/LENGTH	0.00	47.90	47.90	127.90

PIPE FLOW (Q)
PIPE CAPACITY (Qc)
PIPE CAPACITY RATIO (Q/Qc)
PIPE FLOW VELOCITY (V)

99l/s
78.3l/s
127%
1.47m/s

99l/s
78.2l/s
127%
1.4m/s

PIPE SIZE, CLASS AND GRADE		3750 STORMPRO G=0.53 1 in 188.1	3000 STORMPRO G=0.63 1 in 158.5		(2x)5250 RCP (RRJ) G=0.33 1 in 300.3	(2x)5250 RCP (RRJ) G=0.39 1 in 257.3	6000 RCP (RRJ) G=0.32 1 in 308.6	6000 RCP (RRJ) G=0.33 1 in 300	
HGL LEVELS	441.0	442.81 442.96	442.87 442.92	442.95 442.98	442.81 442.86	442.90 442.90	442.93 442.93	443.06 443.07	443.13
DEPTH TO INVERT	1.33	1.31	1.07 1.05	1.04	1.33	1.28	1.18	1.30	1.36
DESIGN INVERT LEVEL	442.30	442.32	442.42 442.44	442.50	442.30	442.33	442.38	442.59	442.72
DESIGN SURFACE LEVEL	443.63	443.30	443.50 443.54	443.50	443.63	443.66	443.51	443.50	443.72
NATURAL SURFACE LEVEL	443.63	443.62	443.48	443.54	443.63	443.62	443.56	443.69	444.08
CHAINAGE/LENGTH	0.00	17.18	17.18 10.30	27.49	0.00	9.40	11.58	65.73	122.50
PIPE FLOW (Q)		81l/s	38l/s		380l/s	371l/s	316l/s	279l/s	
PIPE CAPACITY (Qc)		145.5l/s	88l/s		556.5l/s	601.8l/s	389.9l/s	395.5l/s	
PIPE CAPACITY RATIO (Q/Qc)		56%	44%		68%	62%	81%	71%	
PIPE FLOW VELOCITY (V)		1.2m/s	0.67m/s		1.18m/s	1.12m/s	1.61m/s	1.46m/s	



DRAINAGE LONGITUDINAL SECTION

SCALE H 1:500, V 1:50

APPROVED CITY OF BALLARAT
By Jeff Colbourne at 12:33 pm, Oct 23, 2024

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AS CONSTRUCTED

ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	ISSUE	ISSUED FOR	DATE	DRAWN	APPROVED	DESIGNED: M. ANTON	DATE: NOVEMBER 2020
01	PRELIMINARY	13/11/2020	TP/MA		A	CONSTRUCTION	29/02/2024	E.A	R.D	DRAWN: T. POPOVSKI	SCALE: A1: 1:500, A3: 1:1000
02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY: STANTEC	SHEET SIZE: A1 / A3
03	INFORMATION	03/03/2023	R.J.F		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED: R.DUNN	APPROVED: R.DUNN
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	R.J.F	RD	DATE: 18.10.23	DATE: 18.10.23
05	FOR APPROVAL	18/10/2023	ST	R.D.							
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							

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villawood properties
Communities Designed for Living

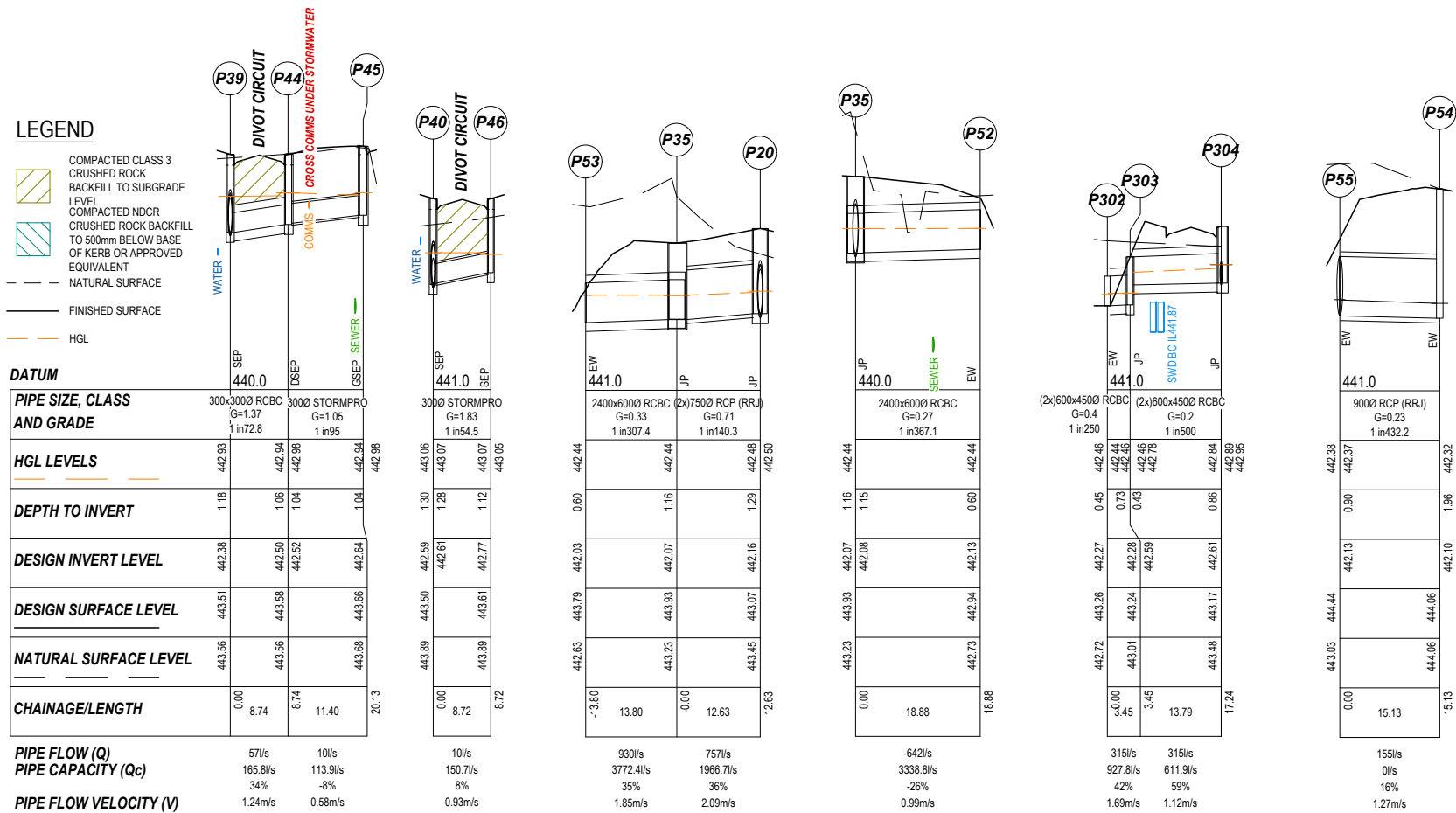
Drew's Paddock
INVERMAY PARK

STAGE 2

CIVIL DRAWING

DRAWING TITLE:
**DRAINAGE LONGITUDINAL SECTIONS
SHEET 2 OF 3**

REF. No: 17547-202 SHEET: C18 OF 21 REV: D



APPROVED CITY OF BALLARAT

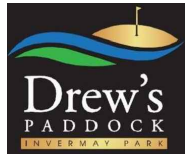
By Jeff Colbourne at 12:33 pm, Oct 23, 2024

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02	TENDER	18/11/2020	T.P.		B	AS CONSTRUCTED	02/09/2024	GD	RD	SURVEY: STANTEC	SHEET SIZE: A1 / A3
03	INFORMATION	03/03/2023	R.J.F		C	AS CONSTRUCTED	20/09/2024	GD	RD	CHECKED: R.DUNN	APPROVED: R.DUNN
04	TENDER	07/06/2023	CB/LP		D	AS CONSTRUCTED	17/10/2024	R.J.F	RD	DATE: 18.10.23	DATE: 18.10.23
05	FOR APPROVAL	18/10/2023	ST	R.D.							
06	FOR APPROVAL	20/12/2023	ST	R.D.							
07	FOR APPROVAL	16/02/2024	JM	R.D.							



STAGE 2

CIVIL DRAWING

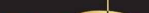
DRAINAGE LONGITUDINAL SECTIONS
SHEET 3 OF 3

REF. No: 17547-202 SHEET: C19 OF 21 REV: D

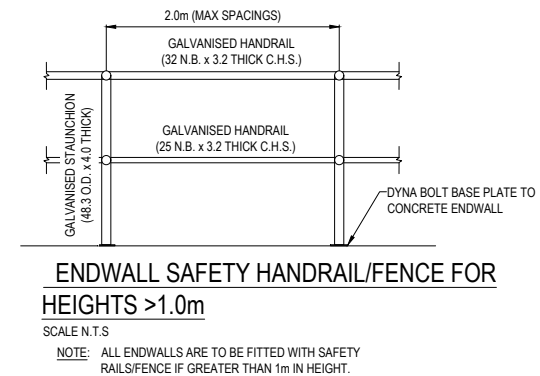
PIT NAME	PIT TYPE	EASTING	NORTHING	INTERNAL DIMENSIONS		INLET			OUTLET		FSL	DEPTH	REMARKS
				LENGTH	WIDTH	FROM PIT	INLET DIA	INVERT RL	OUTLET DIA	INVERT RL			
P01	EW	751912.40	5843005.32	-	-	P02	375	441.80	300	441.80	442.61	0.81	END WALL TO SUIT 375DIA, ROCK BEACH AS REQ'D
P02	JP	751914.08	5843005.14	900	600	P02A	375	441.84	375	441.82	442.82	1.00	CLASS B LID
P02A	JP	751919.39	5843055.12	900	600	P03	375	442.09	375	441.89	443.11	1.22	CLASS B LID
							225	442.05					
P02B	FF	751921.384	5843056.867				225	442.03	225	441.91			ATLAN FLOWFILTER 2200/9 OR APPROVED EQUIVALENT
P03	JP	751919.78	5843058.81	900	900		375	442.05	375	442.16	443.09	1.04	CLASS B LID
									225	442.05			
P04	EW	751925.12	5843064.84	-	-	BASIN	375	442.05	375	442.00	442.43	0.43	END WALL TO SUIT 375DIA, ROCK BEACH AS REQ'D
P05	EW	751927.66	5843061.42	-	-	P06	(2x)675	440.26			441.94	0.68	END WALL TO SUIT 2x675DIA, ROCK BEACH AS REQ'D
P06	JP	751920.77	5843048.85	900	2100	P07	(2x)675	441.33	(2x)675	441.31	443.18	1.87	CLASS B LID
						P09	450	441.38					
P07	DSEP	751915.33	5842997.87	1900	1500	P08	750	441.52	(2x)675	441.50	443.03	1.53	CLASS B GRATED LIDS
P08	EX SEP	751914.81	5842990.06	1900	1500				750	441.55	443.06	1.52	RECONSTRUCT PIT TO SUIT, CLASS B GRATED LIDS
P09	SEP	751939.96	5843043.62	900	900	P10	375	441.50	450	441.48	443.29	1.81	CLASS B LID
P10	SEP	751938.40	5843034.96	900	900	P11	375	441.56	375	441.54	443.29	1.74	CLASS B LID
P11	JP	751990.80	5843025.32	900	900	P12	300	441.85	375	441.83	443.54	1.71	CLASS B LID
P12	SEP	752040.27	5843016.51	900	900	P13	300	442.12	300	442.10	443.74	1.64	CLASS B LID
						P14	300	442.48					
P13	SEP	752063.55	5843021.64	900	750				300	442.55	443.97	1.42	CLASS B LID
P14	SEP	752041.83	5843025.17	900	750				300	442.70	443.74	1.04	CLASS B LID
P15	EW	751950.58	5843341.88	-	-	P16	(2x)675	441.61			443.90	2.29	END WALL TO SUIT 2x675DIA, ROCK BEACH AS REQ'D
P16	JP	751973.47	5843333.38	2100	2100	P17	(2x)675	441.66	(2x)675	441.66	443.93	2.27	CLASS B LID
P17	DSEP	751967.27	5843272.89	1800	2100	P17A	(2x)675	441.78	(2x)675	441.78	443.68	1.90	CLASS B LID
P17A	JP	751962.74	5843230.70	900	2400	P18	(2x)900x450	441.87	(2x)675	441.87	443.51	1.64	CLASS B LID
P18	JP	751961.39	5843218.77	900	2400	P19	(2x)675	441.89	(2x)900x450	441.89	443.46	1.57	CLASS B LID
P19	DSEP	751953.67	5843143.51	1900	2100	P20	(2x)675	442.04	(2x)675	442.04	443.06	1.02	CLASS B LID
						P301	900x300	442.04					
P20	SEP	751952.20	5843126.90	2100	2100	P21	(2x)675	442.16	(2x)750	442.16	443.45	1.29	CLASS B LID
									(2x)750	442.16	443.45	1.29	
P21	SEP	752029.78	5843112.933	1800	2100	P22	900x600	442.30	(2x)750	442.30	443.63	1.33	CLASS B LID
						P36	375	442.32					
						P38	(2x)525	442.30					

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 Drew's Paddock Communities Designed for Living													
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 Drew's Paddock INVERMAY PARK													
STAGE 2													
CIVIL DRAWING													
DRAINAGE PIT SCHEDULE													
REF. NO.: 17547-202													
SHEET: C20 OF 21 REV: D													

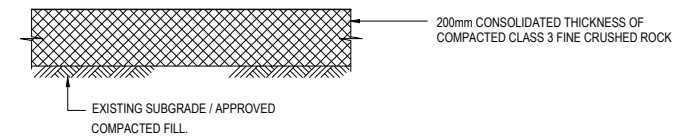
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SCALE N.T.S

NOTE:

ALL STORMWATER DRAINAGE OUTLETS 450mmØ OR GREATER ARE TO HAVE SAFETY GRILLS INSTALLED.



SCALE:- N.T.S

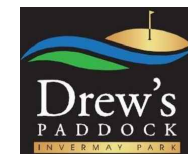


APPROVED CITY OF BALLARAT 

By Jeff Colbourne at 12:33 pm, Oct 23, 2024

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04	TENDER	07/06/2023	CBLP		D	AS CONSTRUCTED	17.10.2024	RJF	RD		R.DUNN		R.DUNN
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06	FOR APPROVAL	20/12/2023	ST	R.D.									
07	FOR APPROVAL	16/02/2024	JM	R.D.									
											(C) COPYRIGHT STANTEC		



STAGE 2

CIVIL DRAWING			
DRAWING TITLE: <i>CIVIL DETAILS</i>			
REF. No: 17547-202	SHEET: C21	OF 21	REV: