CONROY'S GREEN - STAGE 8 WINTER VALLEY, BALLARAT SAN HUBERTO PROPERTIES P/L

GENERAL NOTES:

A. GENERAL

1. ALL WORK TO BE CARRIED OUT TO CITY OF BALLARAT & IDM SPECIFICATIONS, STANDARD DRAWINGS AND TO THE SATISFACTION OF COUNCILS SENIOR SURVEILLANCE OFFICER OR HIS REPRESENTATIVE.

2. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 54.

3. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.

4. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND ONLY RE-TOPSOILED ON THE DIRECTION OF THE ENGINEER, TO THE FINAL FILL LEVELS SHOWN ON THE DRAWINGS. ALL FILLING IS TO BE:

- APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT. - PLACED IN LAYERS NOT EXCEEDING 200MM LOOSE THICKNESS. - MOISTURE CONDITIONED TO WITHIN 85% TO 115% OF OPTIMUM MOISTURE CONTENT. - COMPACTED TO A MINIMUM 95% (STANDARD) DRY DENSITY RATIO.

5. EXISTING DEPRESSIONS & DRAINS TRAVERSING THE SITE ARE TO BE CLEANED OUT AND DESLUDGED TO FIRM BASE AND FILLED TO FINISHED SURFACE LEVELS TO THE SPECIFIED COMPACTION STANDARDS.

- PLACED UNDER "LEVEL 1" SUPERVISION IN ACCORDANCE WITH AS 3798-1996.

6. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBM'S THEREAFTER.

7. POSITION CONDUITS SO THAT A MINIMUM DISTANCE BETWEEN TAPPING IS 1.0M. CONDUITS TO BE LOCATED MIDWAY BETWEEN FENCE LINE OF LOT, UNLESS

8. BEFORE COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.5 M DEEP. THE REQUIRED NOTICE IS TO BE SENT TO THE VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE MINES ACT, 1958 NO 6320 SECTION 385 AND THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985. THIS NOTIFICATION MUST BE RECEIVED BY THE AUTHORITY AT LEAST 3 DAYS PRIOR TO COMMENCING EXCAVATIONS, AND A COPY OF THE NOTIFICATION MUST BE PROVIDED TO THE

9. COUNCIL'S REPRESENTATIVE IS TO BE NOTIFIED IN WRITING SEVEN (7) DAYS PRIOR TO THE COMMENCEMENT OF WORKS.

10. NO EXCAVATION WITHIN 5M OF ANY EXISTING TREE WITHOUT APPROVAL OF THE

11. NO BLASTING IS PERMITTED WITHIN THE CITY OF BALLARAT WITHOUT OBTAINING COUNCIL'S SPECIAL DISPENSATION.

12. EXCAVATED MATERIAL SURPLUS TO FILLING REQUIREMENTS OF THE WORKS SHALL BE REMOVED FROM SITE AS SPECIFIED.

13. ALL SURPLUS ROCK, CONCRETE AND BITUMINOUS RUBBLE SHALL BE DISPOSED OFF SITE AS SPECIFIED. THE CONTRACTOR SHALL CHECK WITH SUPERINTENDENT WHETHER ANY LARGE ROCKS ARE REQUIRED FOR LANDSCAPE PURPOSES PRIOR TO

14. NATURESTRIPS AND ALL AREAS OF CUT OUTSIDE ROAD RESERVE TO BE SURFACED WITH 100MM MINIMUM COMPACTED LAYER OF TOPSOIL.

15. CULTURAL HERITAGE AREAS TO BE STRIPPED OF TOPSOIL TO A DEPTH OF APPROXIMATELY 350MM AND PLACED ON EXISTING TOPSOIL STOCKPILE FOR RE-SPREADING AT A LATER DATE

B. ROAD WORKS

1. FOOTPATHS ARE TO BE 1.5M WIDE UNLESS SHOWN OTHERWISE. FOOTPATHS TO BE CONSTRUCTED TO THE CITY OF BALLARAT STANDARDS.

2. CONSTRUCT LAYBACK SECTION AT VEHICLE CROSSING, REVERSING BAYS AND CAR PARKING BAYS AND PRAM CROSSING TO THE CITY OF BALLARAT STANDARDS

3. ALL CHAINAGES REFER TO ROAD PAVEMENT CENTRELINES EXCEPT IN COURT HEADS AND INTERSECTIONS WHERE CHAINAGES REFER TO BACK OF KERB.

4. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE

5. ALL BATTERS SHALL BE TO THE CITY OF BALLARAT STANDARDS. - CUT 1 IN 12 UNLESS OTHERWISE SHOWN.

- FILL 1 IN 12 UNLESS OTHERWISE SHOWN.

6. ALL SET OUT INFORMATION GIVEN IS TO BACK OF KERB UNLESS OTHERWISE

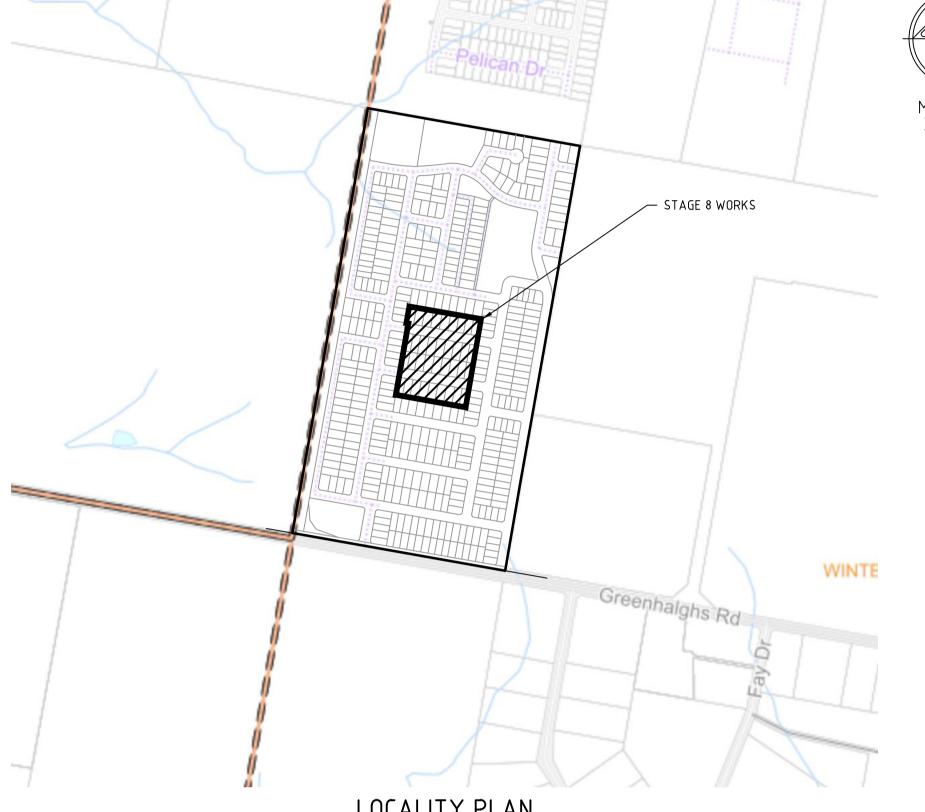
7. WHERE CRUSHED ROCK IS SHOWN UNDER CONCRETE FOOTPATHS CONSTRUCTED ON FILL, THE CRUSHED ROCK IS TO BE 20MM CLASS 3. WHERE CUT BATTERS ARE STEEPER THAN 1:6 THEY MUST BE HYDRO MULCHED.

8. SUBGRADE BE COMPACTED TO A MINIMUM OF 98% STANDARD MAXIMUM DRY DENSITY (AS3798), WITH THE SUBBASE COMPACTED IN ACCORDANCE WITH SCALE C IN VICROADS TABLE 304.071 USING FINE CRUSHED ROCK AND THE BASE COURSE TO AN AVERAGE OF 100% MINIMUM MODIFIED DRY DENSITY. ANY FILLING BENEATH ROAD PAVEMENT AREAS TO BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY.COMPACTION TESTING TO BE AS PER COUNCIL REQUIREMENTS.

9. ANY BACKFILL WITHIN 1.0M OF A COUNCIL ASSET (FOOTPATH OR ROAD) IS TO BE FCR. FILL MATERIAL IS ACCEPTABLE IF COMPACTED TO ENSURE 95% COMPACTION. COMPACTION TESTING TO BE PERFORMED AT ONE PER 60M OF TRENCH.

10. CONCRETE TO HAVE 28DAY STRENGTH OF 25MPA UNLESS NOTED OTHERWISE

11. MATERIALS AND SUPPLIERS CALLED IN THE SPECIFICATION, SCHEDULES OR PLANS SHALL NOT BE SUBSTITUTED WITHOUT PRIOR WRITTEN APPROVAL AS PER 'ENVIRODEVELOPMENT - NATIONAL TECHNICAL STANDARD VERSION 2'. ALL RECEIPTS MUST BE RETAINED AND PROVIDED UPON REQUEST.



LOCALITY PLAN NOT TO SCALE

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES	1	(A)
CR200	ROAD LAYOUT PLANS – FACE PLAN	2	(A)
CR201	ROAD LAYOUT PLANS – EARTHWORKS AND TBM PLAN	3	(A)
CR300	ROAD LONG SECTIONS – SHEET 1	4	(A)
CR301	ROAD LONG SECTIONS - SHEET 2	5	(A)
CR400	ROAD CROSS SECTIONS - SHEET 1	6	(A)
CR401	ROAD CROSS SECTIONS – SHEET 2	7	(A)
CR600	DRAINAGE LONG SECTIONS – SHEET 1	8	(A)
CR601	DRAINAGE LONG SECTIONS - SHEET 2	9	(A)
CR602	DRAINAGE LONG SECTIONS - SHEET 3	10	(A)
CR603	DRAINAGE LONG SECTIONS – PIT SCHEDULE	11	(A)
CR700	PAVEMENT AND TYPICAL DETAILS	12	(A)
CE001	ENVIRONMENTAL MANAGEMENT PLAN – SHEET 1	13	(A)
CE002	ENVIRONMENTAL MANAGEMENT PLAN – SHEET 2	14	(A)

LEGEND

DESCRIPTION

DESCRIPTION	DVII	PROPUSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
UNDERGROUND ELECTRICITY	— — E — — —	——Е
TELECOMMUNICATIONS & SERVICE PIT	———T———	T
GAS MAIN	————————	G
BRANCH SEWER & MAINTENANCE STRUCTURE	———S————	
SEWER & MAINTENANCE STRUCTURE	— — S — -O —	S
SEWER RISING MAIN	— — — SRM — — —	
CENTRAL INVERT	- $ >$ $ >$ $-$	<u>>></u>
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN WITH MAXIMUM ALLOWABLE INVERT LEVEL	IL394.79 ◆H	IL394.79 ◆H
AG DRAIN AND FLUSHER	—————————————————————————————————————	———> AG —— ⊚ —
STORM WATER DRAINAGE PIT TYPE & NUMBER	EX219EP	(302JP)
GAS & WATER CONDUITS	——— GW ———	——— GW ———
SURFACE CONTOUR MINOR		169.00
SURFACE CONTOUR MAJOR		168.90
SURFACE LEVEL	E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80 <u>1</u> in 150
EARTHWORKS GRADE		<u> </u>
SIGN AND POST		
STREET SIGN	· >	° ≥
PERMANENT SURVEY MARK		•
TEMPORARY BENCH MARK	CL114 F.7 (L/R)TP	CH116 57 (L/R)TP
ROAD CHAINAGES	CH1 <u>16</u> .57 CH116.57	CH1 <u>16</u> .57 CH116.57
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT		(A1)
LIMIT OF WORKS		
BATTER		
ROCK BEACHING		
FENCE - TREE PROTECTION		
FENCES	<u> </u>	
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE PROTECTED		
TDEE TO BE DEMOVED		
TREE TO BE REMOVED		

PROPOSED



VEGETATION LINE

KERB TRANSITION

TACTILE GROUND SURFACE INDICATOR

FOOTPATH

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

SERVICE LOCATION TABLE

ROAD NAME		ABLE TER	G	٩S		3N ECOM)	ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	PO	LE	U/G (ABLE
	SIDE	UFFSET	SIDE	UFFSET	SIDE	UFFSET	SIDE	OFFSET	SIDE	OFFSET
HAWK STREET	S	2.95	S	2.40	N	1.80	N	1.0 x	N	2.70
GULL STREET	N	2.95	N	2.40	S	1.80	S	1.0x	S	2.70

1. TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG's.

2. GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.

× = OFFSET FROM BACK OF KERB

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Rev	Amendments	Approved	Date



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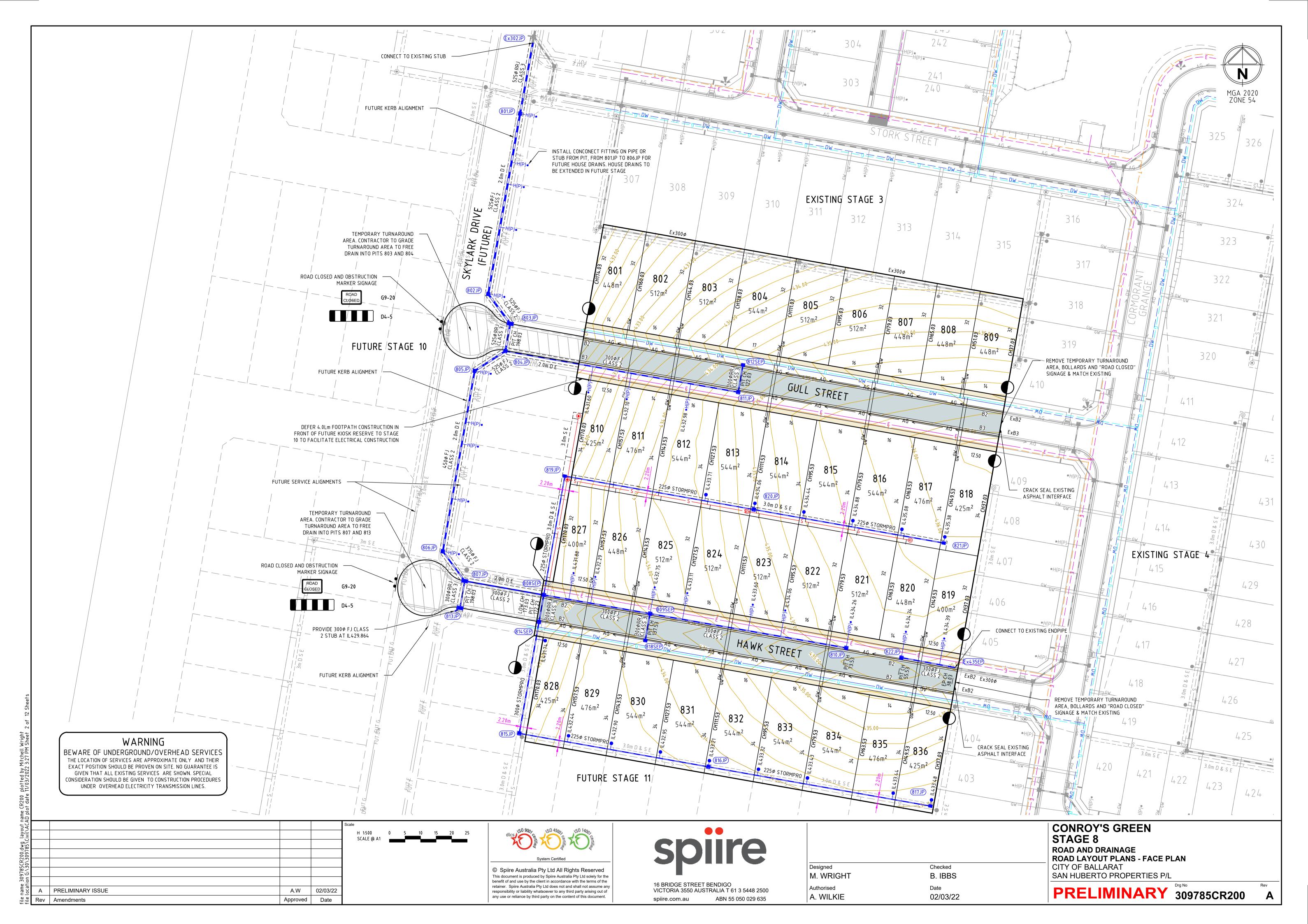


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M. WRIGHT 16 BRIDGE STREET BENDIGO Authorised VICTORIA 3550 AUSTRALIA T 61 3 5448 2500 A. WILKIE ABN 55 050 029 635

Checked B. IBBS Date 02/03/22 **CONROY'S GREEN** STAGE 8 **ROAD AND DRAINAGE GENERAL NOTES** CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L









H 1:500 0 5 10 15 20 25 SCALE @ A1 V 1:50 0 0.5 1 1.5 2 2.5



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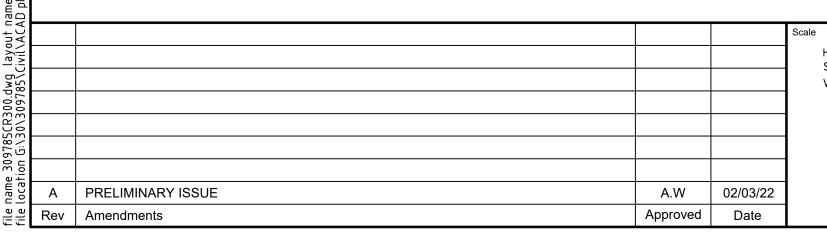


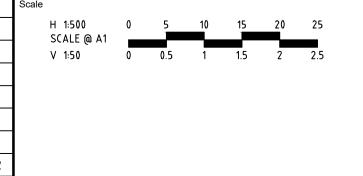
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A. WILKIE	02/03/22

CONROY'S GREEN STAGE 8 ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 1 CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L

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GULL STREET







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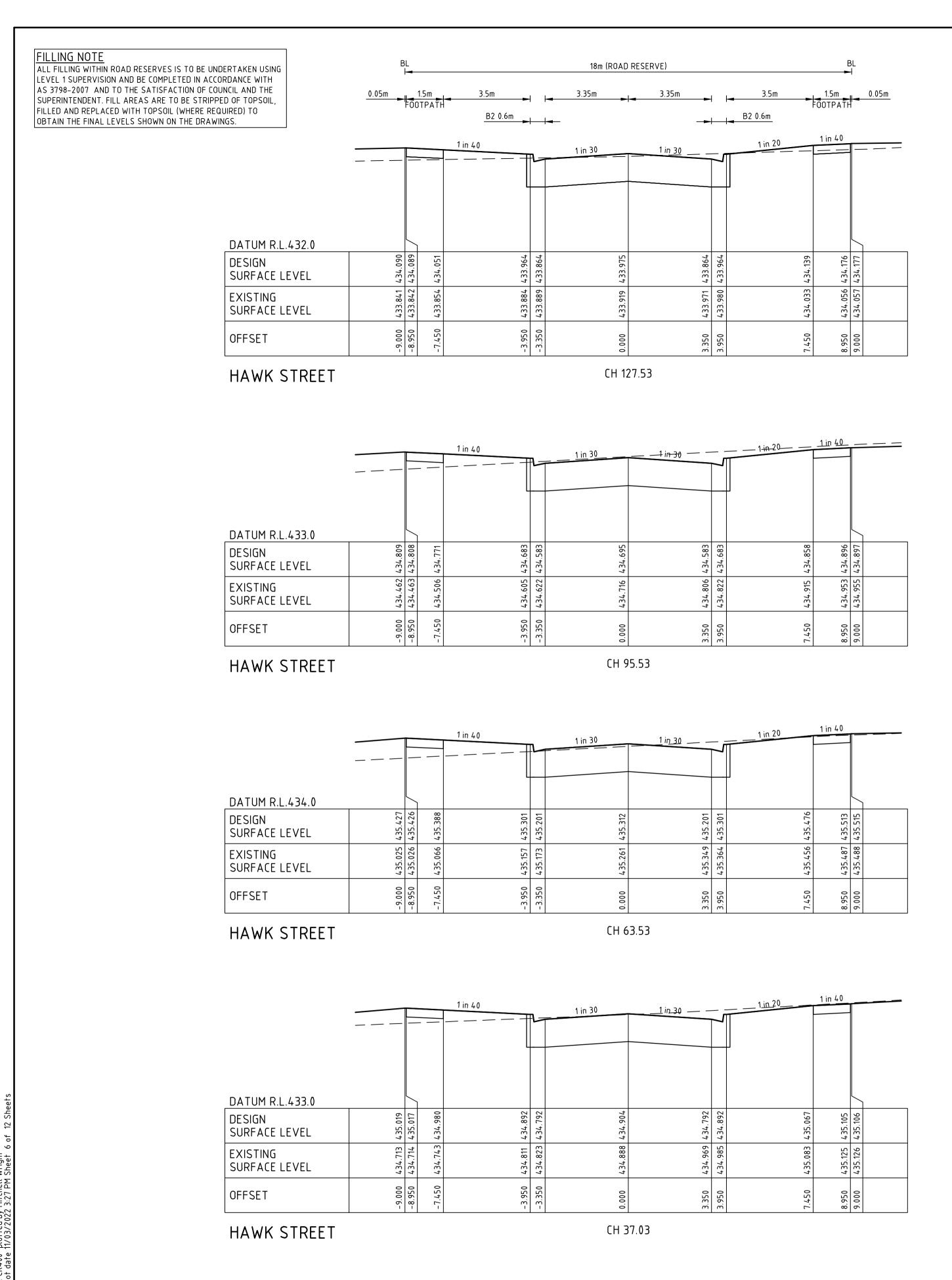


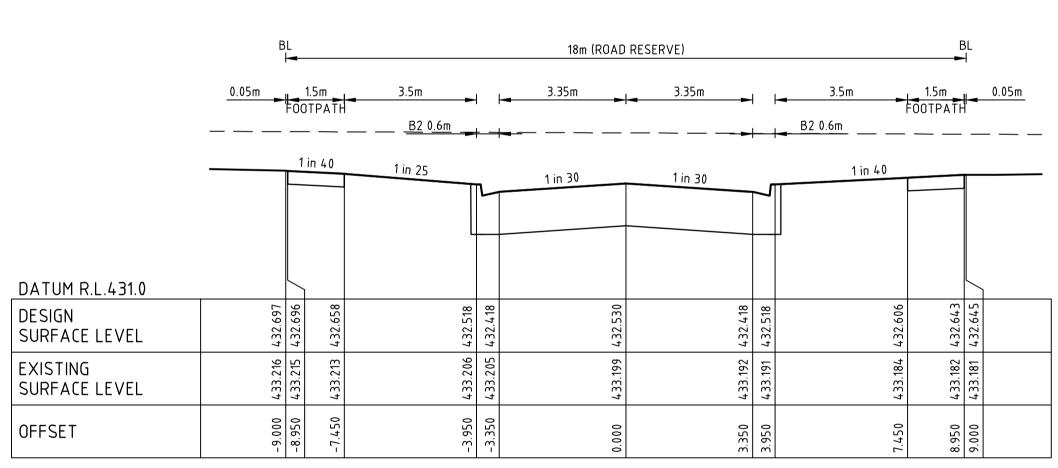
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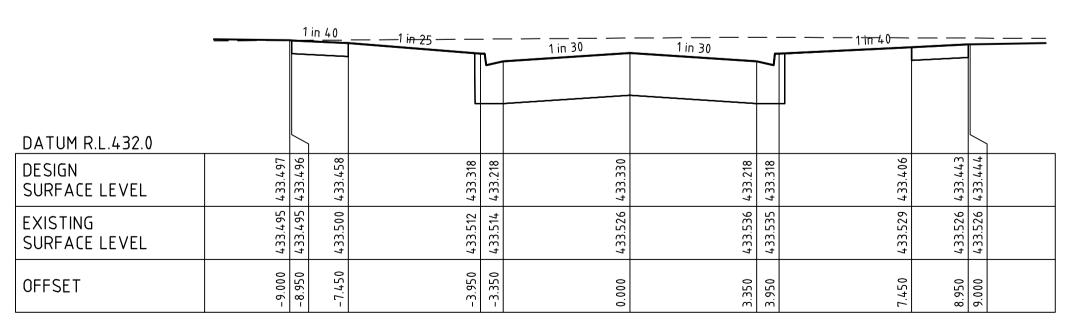
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CONROY'S GREEN STAGE 8 ROAD AND DRAINAGE **ROAD LONG SECTIONS - SHEET 2** CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L





HAWK STREET



CH 173.03

CH 157.53 HAWK STREET

				Scale		
				H 1:100	0	1_
				SCALE @ A1 V 1:50	0	0.5
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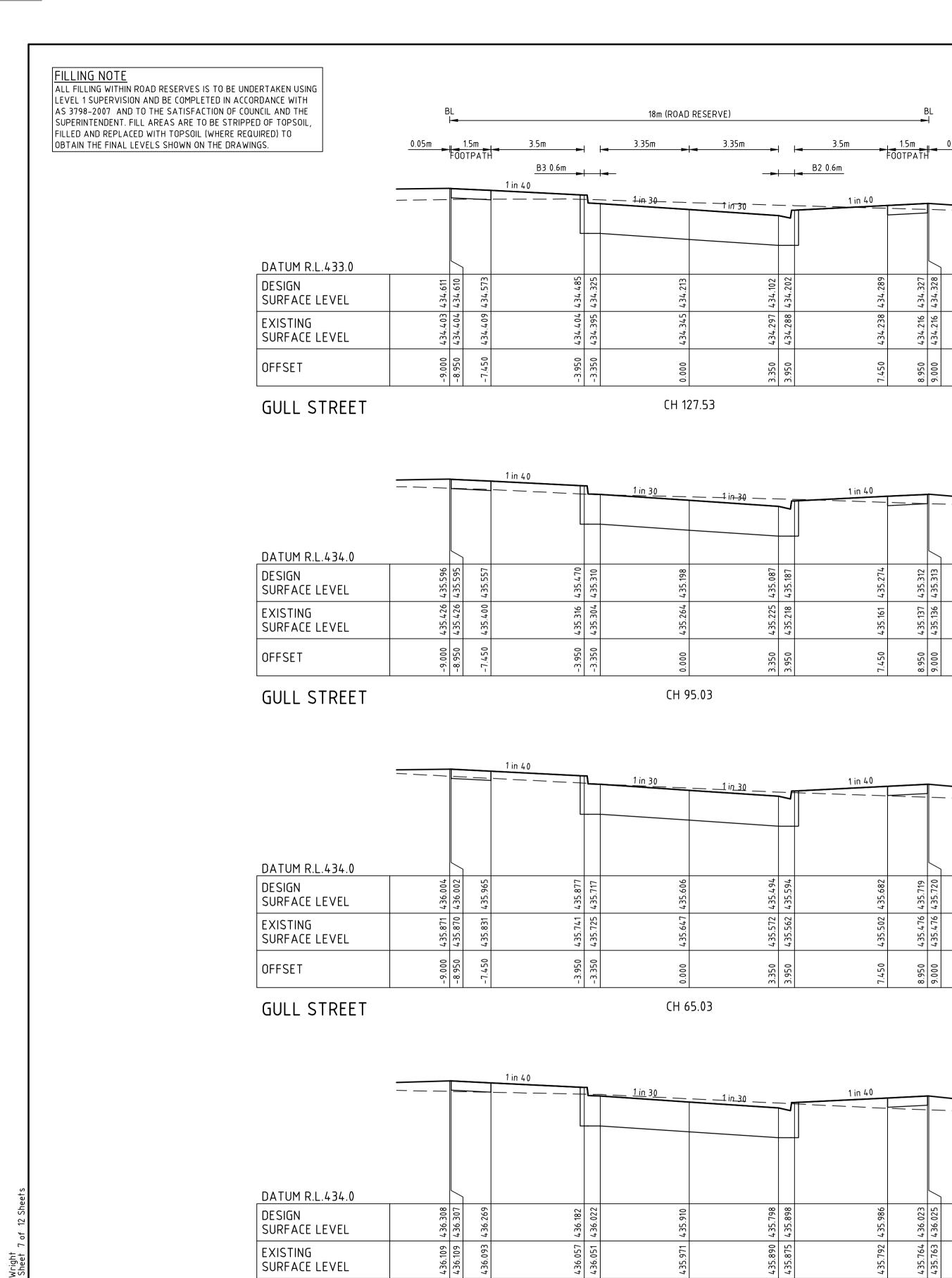
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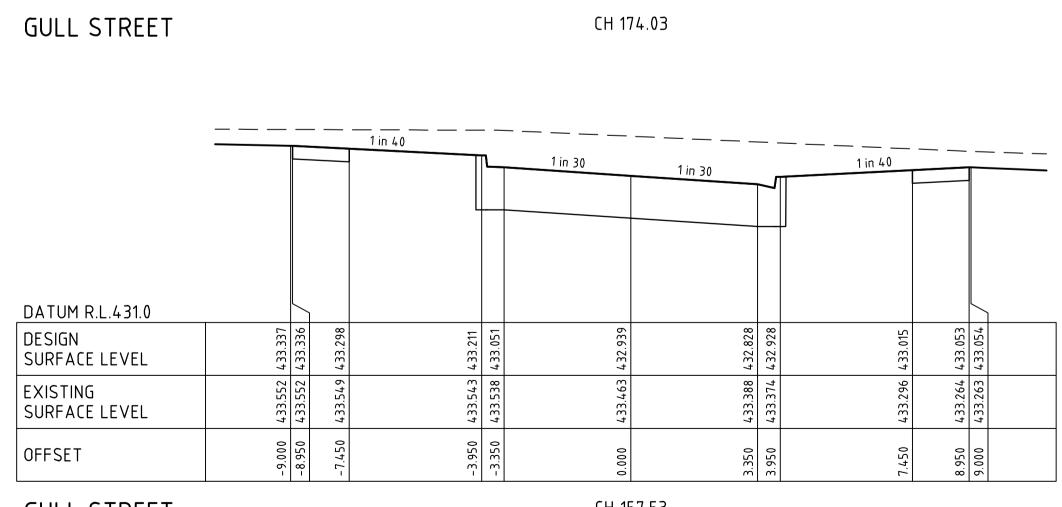
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CONROY'S GREEN STAGE 8 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 1** CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L

PRELIMINARY 309785CR400 A





-3.950

18m (ROAD RESERVE)

1 in 30

1 in 30

B2 0.6m

1 in 40

432.754 432.055 432.752 432.057

8.950

CH 157.53 **GULL STREET**

1 in 40

433.142 432.428 433.142 432.427

FOOTPATH CONSTRUCTION TO BE —

DEFERRED TO STAGE 10 IN FRONT OF FUTURE KIOSK RESERVE AS PER CR200

DATUM R.L.430.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

1 in 19.9

				Scale
				H S
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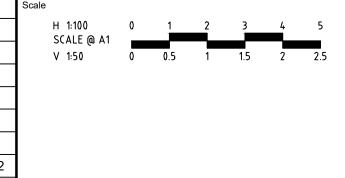
EXISTING

OFFSET

SURFACE LEVEL

GULL STREET

-9.000



CH 37.03



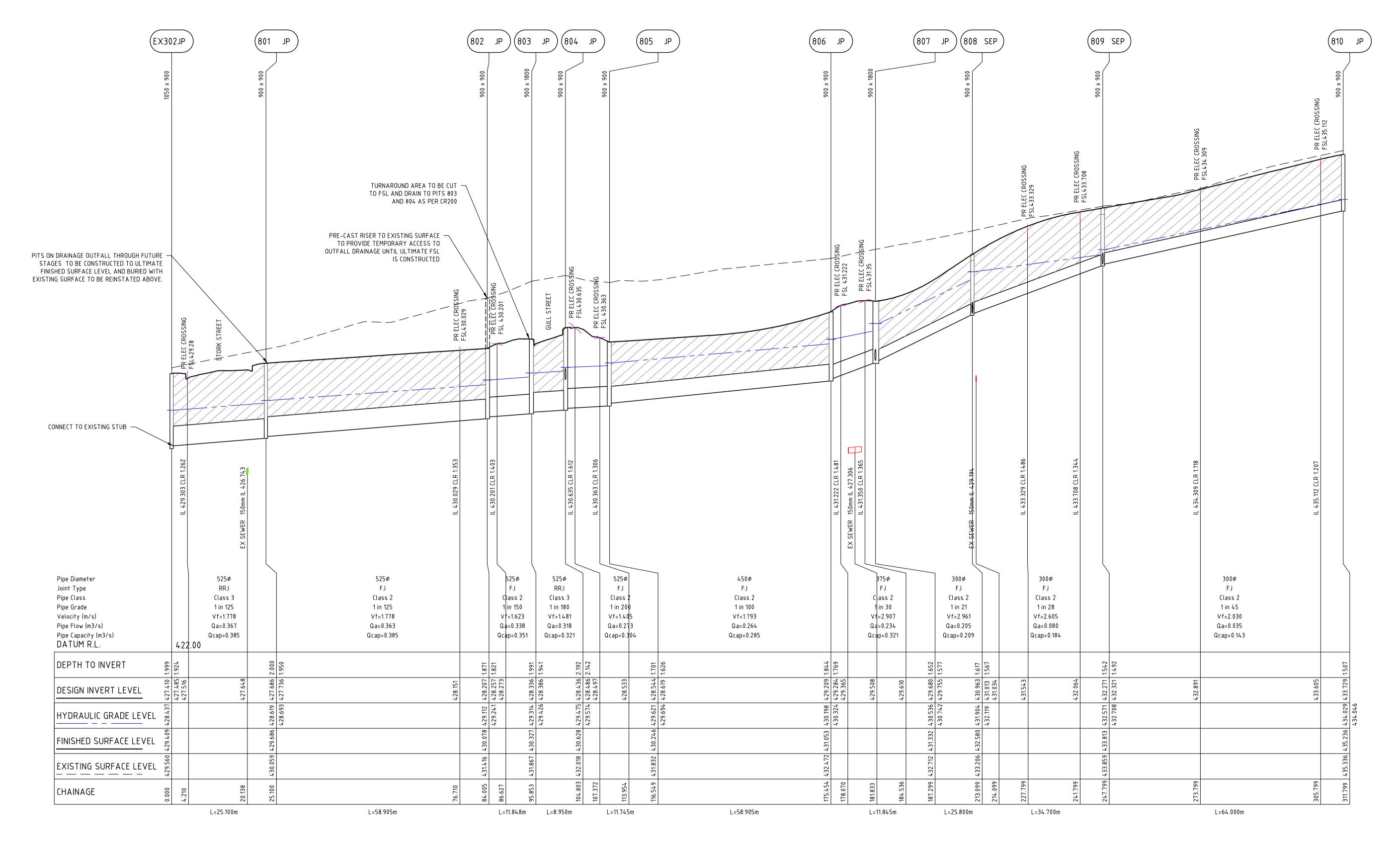
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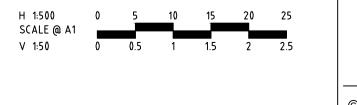
CONROY'S GREEN STAGE 8 ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 2
CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L



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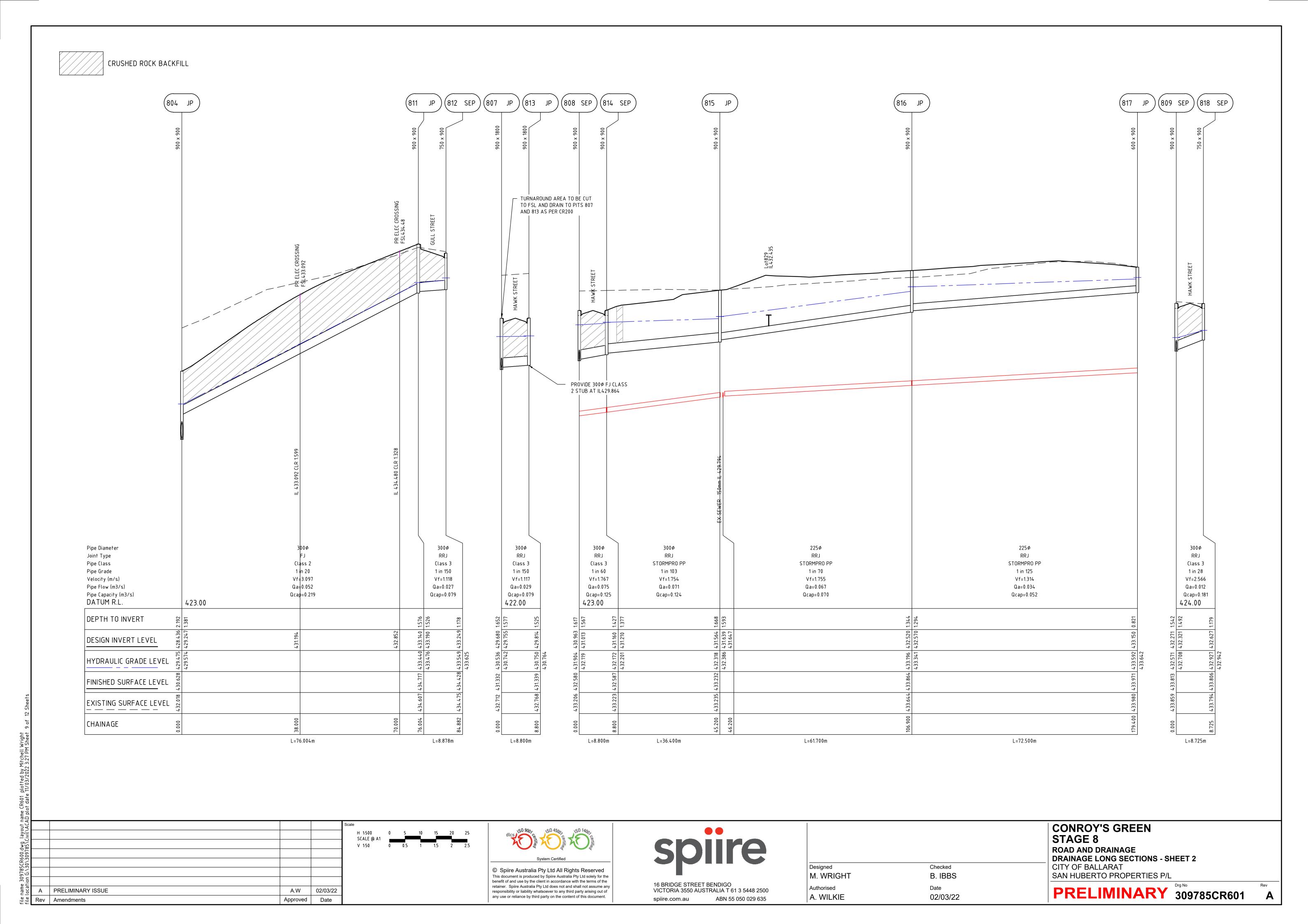


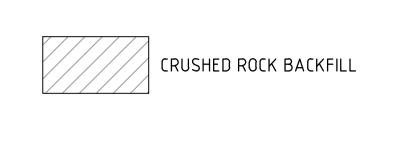
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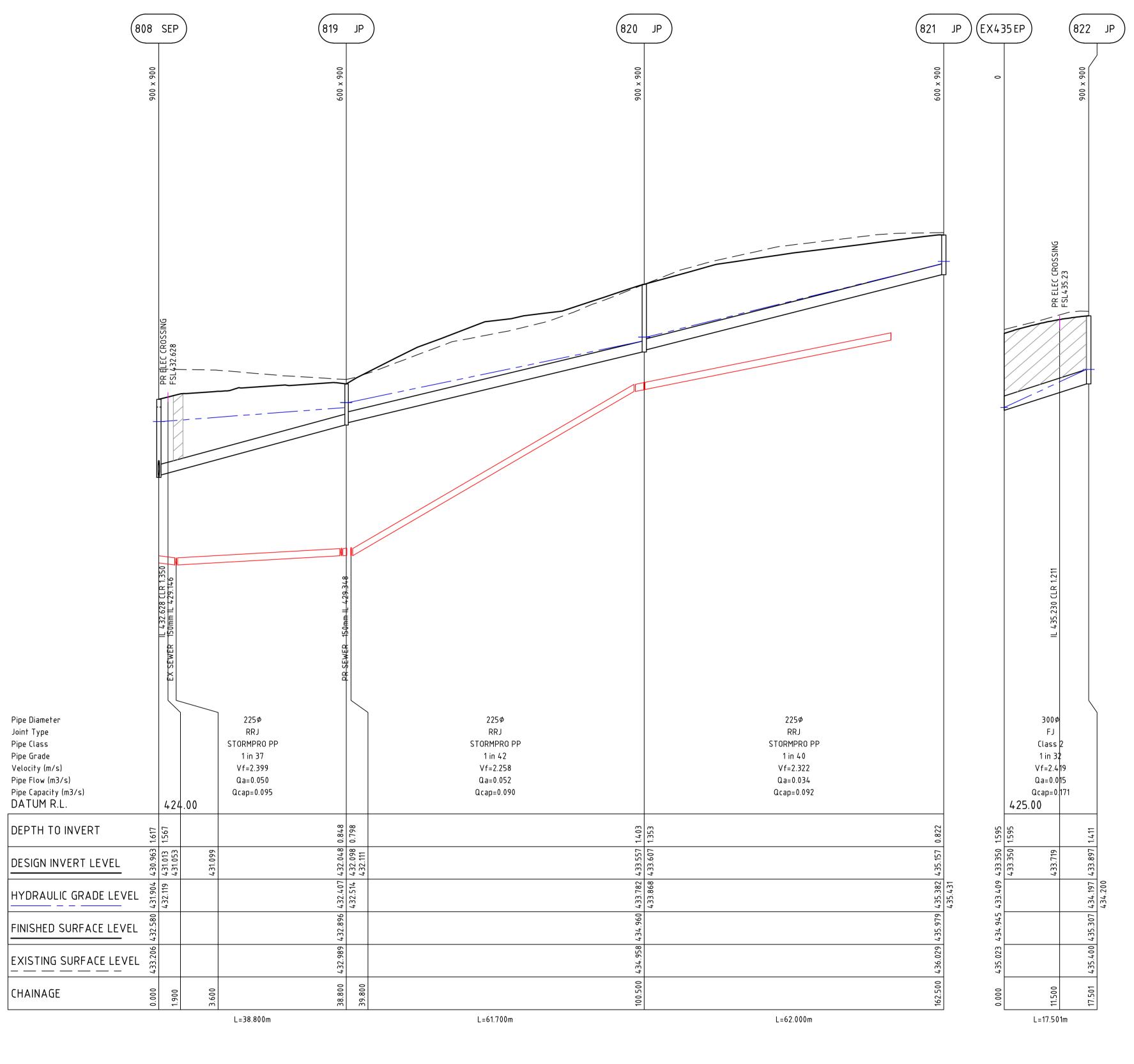
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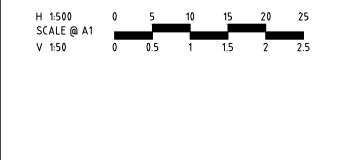
CONROY'S GREEN
STAGE 8
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 1
CITY OF BALLARAT
SAN HUBERTO PROPERTIES P/L







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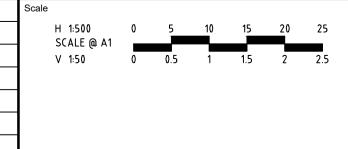
CONROY'S GREEN STAGE 8
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 3
CITY OF BALLARAT
SAN HUBERTO PROPERTIES P/L

	Drg No	Rev
PRELIMINARY	309785CR602	Α

DRAINAGE PIT SCHEDULE

PIT		PIT INTERNAL		INLET		OUTLET		PIT		DEMARKS	CTED IDONG	LADDEE
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	REMARKS	STEP IRONS	LADDER
Ex302	JUNCTION PIT	1050	900	525	427.485			429.409	1.999	EXISTING JUNCTION PIT		
801	JUNCTION PIT	900	900	525	427.736	525	427.686	429.686	2.000	REFER COB SD-P10-1/2. TO BE CONVERTED TO SEP IN FUTURE STAGE	X	
802	JUNCTION PIT	900	900	525	428.257	525	428.207	430.078	1.871	REFER COB SD-P10-1/2. TO BE CONVERTED TO SEP IN FUTURE STAGE	X	
803	JUNCTION PIT	900	1800	525	428.386	525	428.336	430.327	1.991	REFER COB SD-P10-1/2. TO BE CONVERTED TO DSEP IN FUTURE STAGE	X	
804	JUNCTION PIT	900	900	525	428.486	525	428.436	430.628	2.192	REFER COB SD-P10-1/2	X	
				300	429.247							
805	JUNCTION PIT	900	900	450	428.619	525	428.544	430.246	1.701	REFER COB SD-P10-1/2. TO BE CONVERTED TO SEP IN FUTURE STAGE	X	
806	JUNCTION PIT	900	900	375	429.284	450	429.209	431.053	1.844	REFER COB SD-P10-1/2. TO BE CONVERTED TO SEP IN FUTURE STAGE	X	
807	JUNCTION PIT	900	1800	300	429.755	375	429.680	431.332	1.652	REFER COB SD-P10-1/2. TO BE CONVERTED TO DSEP IN FUTURE STAGE	X	
				300	429.755							
808	SIDE ENTRY PIT	900	900	300	431.013	300	430.963	432.580	1.617	REFER COB SD-P1-1/2	Х	
				300	431.013							
				225	431.013							
809	SIDE ENTRY PIT	900	900	300	432.321	300	432.271	433.813	1.542	REFER COB SD-P1-1/2	X	
				300	432.321							
810	JUNCTION PIT	900	900			300	433.729	435.236	1.507	REFER COB SD-P10-1/2	X	
811	JUNCTION PIT	900	900	300	433.190	300	433.140	434.717	1.576	REFER COB SD-P10-1/2	Х	
812	SIDE ENTRY PIT	750	900			300	433.249	434.428	1.178	REFER COB SD-P1-1/2		
813	JUNCTION PIT	900	1800	300	429.864	300	429.814	431.339	1.525	REFER COB SD-P10-1/2. TO BE CONVERTED TO DSEP IN FUTURE STAGE	Х	
814	SIDE ENTRY PIT	900	900	300	431.210	300	431.160	432.587	1.427	REFER COB SD-P1-1/2	Х	
815	JUNCTION PIT	900	900	225	431.639	300	431.564	433.232	1.668	REFER COB SD-P10-1/2	Х	
816	JUNCTION PIT	900	900	225	432.570	225	432.520	433.864	1.344	REFER COB SD-P10-1/2	Х	
817	JUNCTION PIT	600	900			225	433.150	433.971	0.821	REFER COB SD-P10-1/2		
818	SIDE ENTRY PIT	750	900			300	432.627	433.806	1.179	REFER COB SD-P1-1/2		
819	JUNCTION PIT	600	900	225	432.098	225	432.048	432.896	0.848	REFER COB SD-P10-1/2		
820	JUNCTION PIT	900	900	225	433.607	225	433.557	434.960	1.403	REFER COB SD-P10-1/2	Х	
821	JUNCTION PIT	600	900			225	435.157	435.979	0.822	REFER COB SD-P10-1/2		
Ex435	ENDPIPE	0	0	300	433.350			434.945	1.595			
822	JUNCTION PIT	900	900			300	433.897	435.307	1.411	REFER COB SD-P10-1/2	X	

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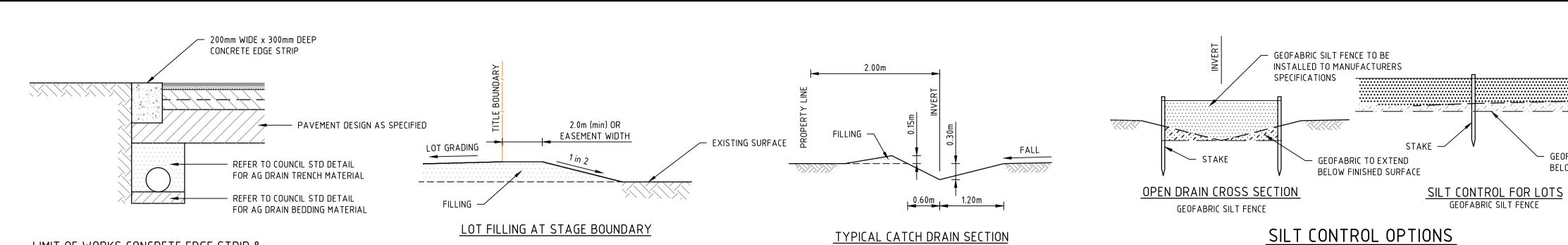


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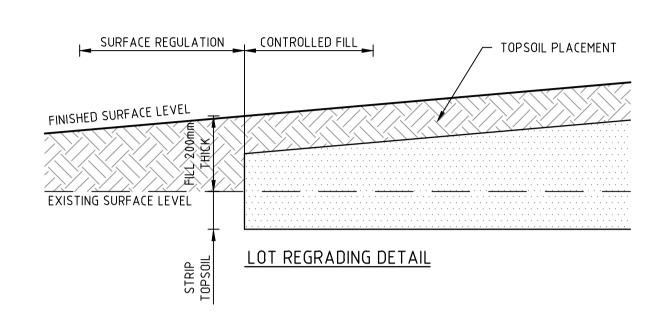
CONROY'S GREEN STAGE 8 ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - PIT SCHEDULE
CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L

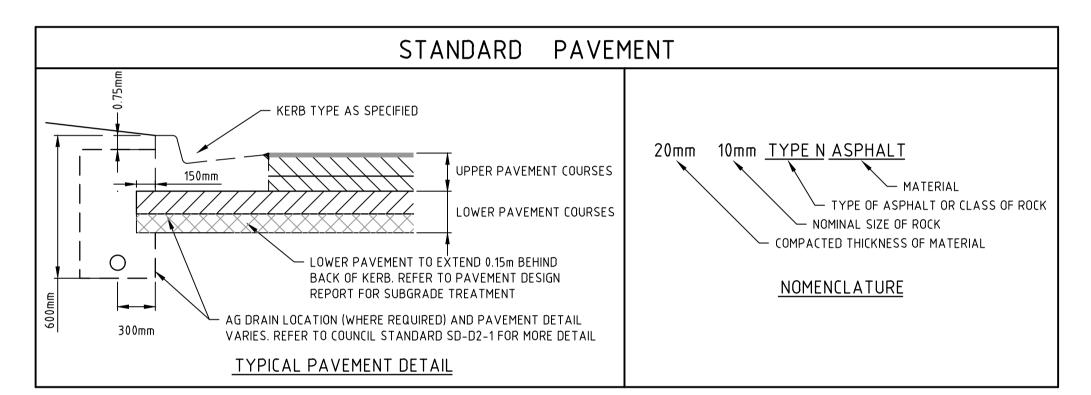
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TYPICAL CATCH DRAIN SECTION

LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL





DESIGN PAVEMENT PROFILE

		DEPTH (mm)
PAVEMENT LAYER	DESCRIPTION	TYPE A* (ACCESS STREET 1)
ASPHALT WEARING COURSE (mm)	SIZE 10mm TYPE N ASPHALT CLASS 320 BITUMEN	40
SAMI LAYER		YES
PRIMER COURSE	PRIME OR 7mm PRIMERSEAL	YES
BASE COURSE (mm)	CLASS 1 or 2 20mm FCR. COMPACTED TO 98% (MMDD)	150
SUBBASE COURSE (mm)	CLASS 3 20mm or 40mm FCR. COMPACTED TO 97% (MMDD)	220
CAPPING LAYER (mm)	INSITU CLAY STABILISED WITH 3% LIME OR IMPORTED MATERIAL TO ACHIEVE THE FOLLOWING PROPERTIES: CBR≥10, SWELL≤1.5%, PERMEABILITY≤5x10 ⁻⁹ m/s & COMPACTED TO 98% (SMDD)	150
	TOTAL PAVEMENT DEPTH	560

DOAD NAME	TVDF
ROAD NAME	TYPE
HAWK STREET	А
GULL STREET	A

^{*} REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

PAVEMENT DETAILS

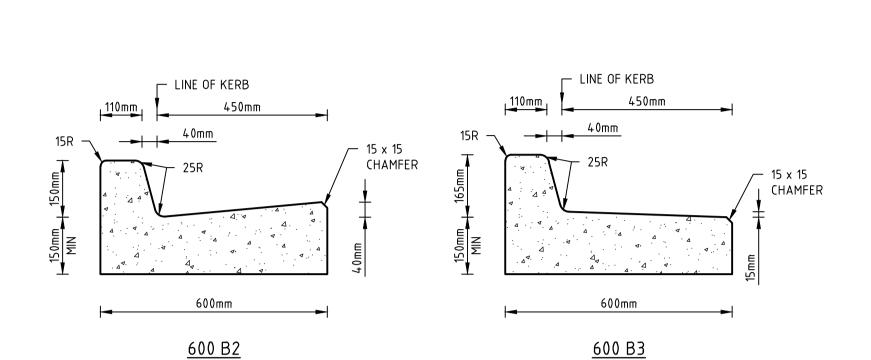
THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY GTS WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF GTS.

THE DESIGN HAS BEEN EXTRACTED FROM THE GTS REPORT ON "520 GREENHALGHS RD, WINTER VALLEY" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

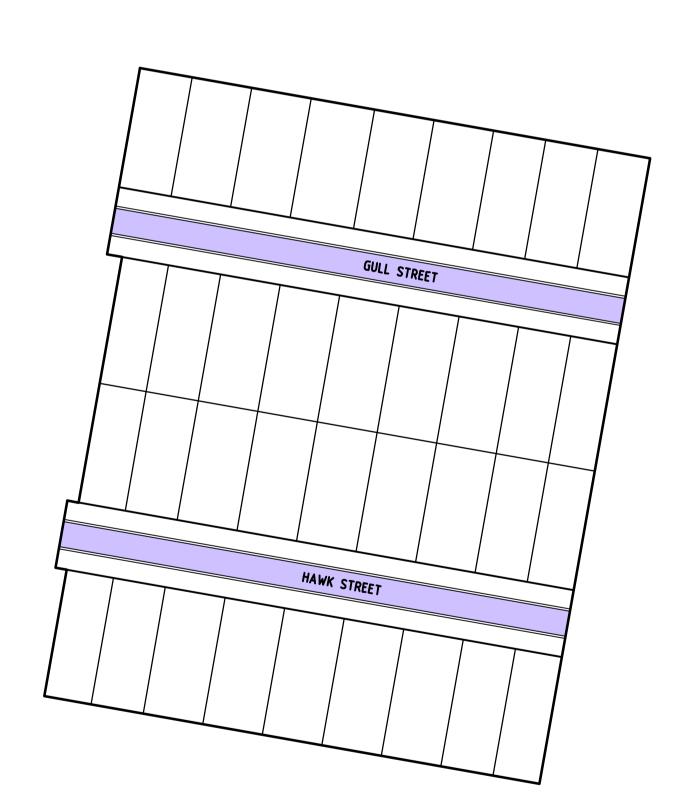
A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

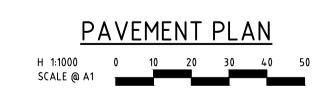
SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS.

ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO GTS AND SENT TO SPIIRE.



STANDARD KERB PROFILES NOT TO SCALE





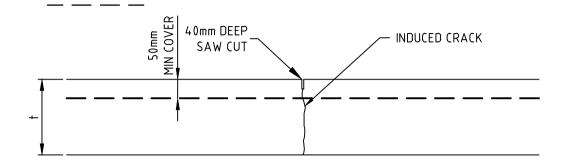


SAW CUT

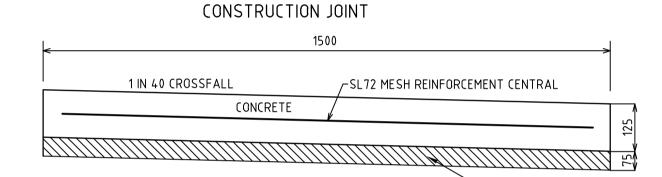
NOT TO SCALE

GEOFABRIC TO EXTEND

BELOW FINISHED SURFACE



CONSTRUCTION JOINT 0.5L DEFORNE TIE BAR



FOOTPATH (NOT TO SCALE) GENERALLY AS PER COB SD-K3-2 FOOTPATH TO BE 25MPa FOR RESIDENTIAL 75MM CLASS 3 FCR

TO 90% MODIFIED

BEDDING COMPACTED

GENERAL NOTES:

(LENGTH, L)

- 1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- 2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- 3. CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS
- 4. PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- 5. CURING OF CONCRETE IS ESSENTIAL IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- 6. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER
- 7. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA- "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
- 8. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.
- 9. VARIATION TO JOINT LAYOUT BY CONTRACTOR WILL NOT BE ACCEPTED WITHOUT SPECIFIC WRITTEN APPROVAL OF SUPERINTENDENT & COUNCIL.

A PRELIMINARY ISSUE 02/03/22 Approved Date Rev | Amendments



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16 BRIDGE STREET BENDIGO

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Designed Checked M. WRIGHT B. IBBS Date Authorised 02/03/22 A. WILKIE

CONROY'S GREEN STAGE 8 ROAD AND DRAINAGE **PAVEMENT AND TYPICAL DETAILS** CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L



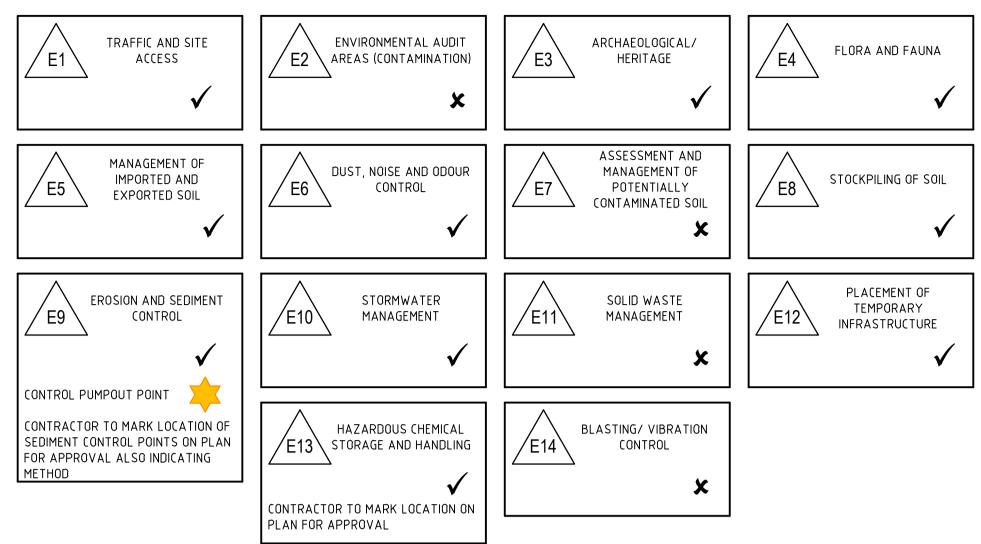
04/02/22

Date

Approved

PRELIMINARY ISSUE

ENVIRONMENTAL PROTECTION



GENERAL NOTES

1. REFER TO SPECIFICATION FOR DETAIL ON SPECIFIC CLAUSES.

- 2. THE PURPOSE OF THIS PLAN & RELATED SPECIFICATION IS TO IDENTIFY ENVIRONMENTAL AND HEALTH AND SAFETY ISSUES THAT MUST BE CONSIDERED. THE CONTRACTOR SHALL USE THIS PLAN AND RELATED SPECIFICATIONS TO GENERATE THEIR OWN ENVIRONMENTAL MANAGEMENT AND HEALTH AND SAFETY PLAN TO IMPLEMENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- 3. EXISTING FENCINGS ARE SHOWN ON THE ENGINEERING DRAWINGS. UNLESS SPECIFIED FOR DEMOLITION THE CONTRACTOR SHALL NOT REMOVE OR RELOCATE THE FENCING UNLESS PRIOR WRITTEN APPROVAL HAS BE OBTAINED FROM THE SUPERINTENDENT.
- 4. THE CONTRACTOR IS TO PROVIDE SEDIMENT FENCE TO CONTROL SILTFOR ALL STORMWATER RUNOFF FROM THE SITE.
- 5. SITE SECURITY IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY ADDITIONAL FENCING REQUIRED FOR THIS PURPOSE IS TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. SECURITY FENCING IS NOT SHOWN ON THIS PLAN.
- 6. KEY ENVIRONMENTAL CONSIDERATIONS SURROUNDING THE SITE OF WORKS ARE MARKED AT TYPICAL LOCATIONS AND THEREFORE SHOULD NOT BE LIMITED TO THOSE AS NOTED. SIMILAR ENVIRONMENTAL TREATMENTS AND PRECAUTIONS SHOULD BE TAKEN FOR ALL POINTS AS MARKED.
- 7. TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY THE SUPERINTENDENT WITH BRIGHT VISIBLE
- FOR FURTHER CLARIFICATIONS ON THE CULTURAL AND ARCHAEOLOGICAL SIGNIFICANCE AND PRESERVATIONS WITHIN THE SITE REFER TO THE 'ARCHAEOLOGICAL CONSULTING SERVICES' REPORT,

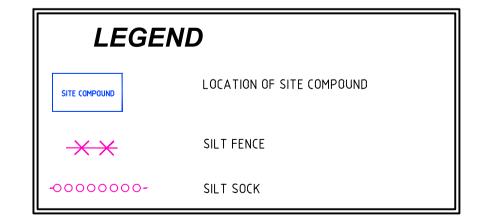
WARNING

BEWARE OF UNDERGROUND SERVICES THE LOCATIONS OF UNDERGROUND SERVICES ARE

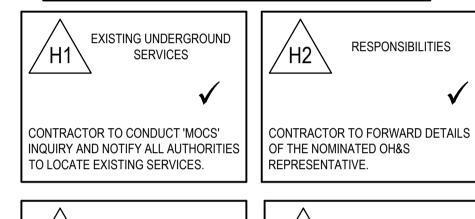
APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

BEWARE OF OVERHEAD ELECTRICITY

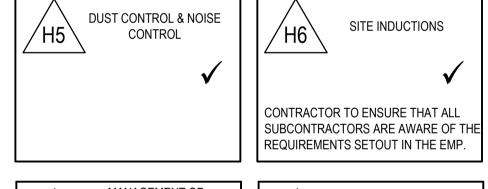
CONTRACTOR TO EXERCISE EXTREME CARE WHEN WORKING UNDER OVERHEAD ELECTRICITY. CONTACT POWERCOR FOR SAFETY GUIDELINES FOR WORKING UNDER POWERLINES

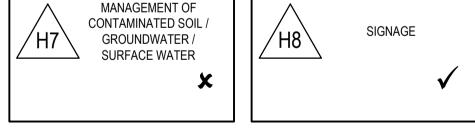


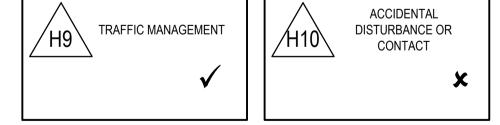
HEALTH AND SAFETY PROTECTION

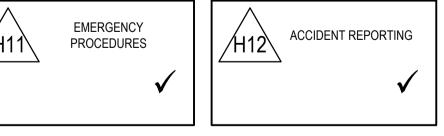


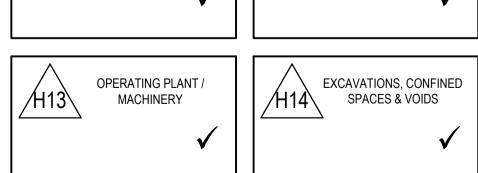














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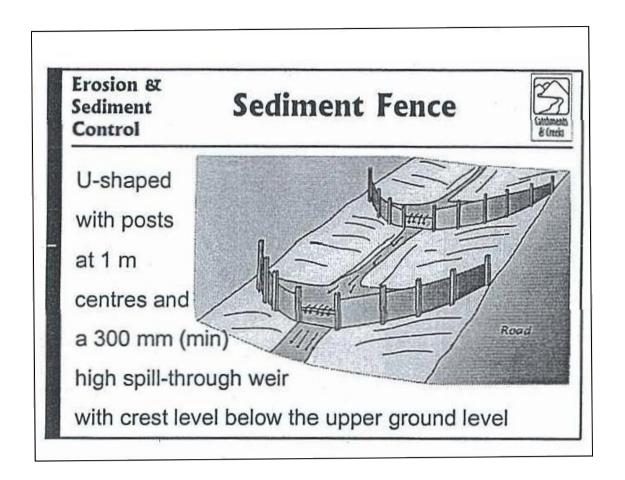
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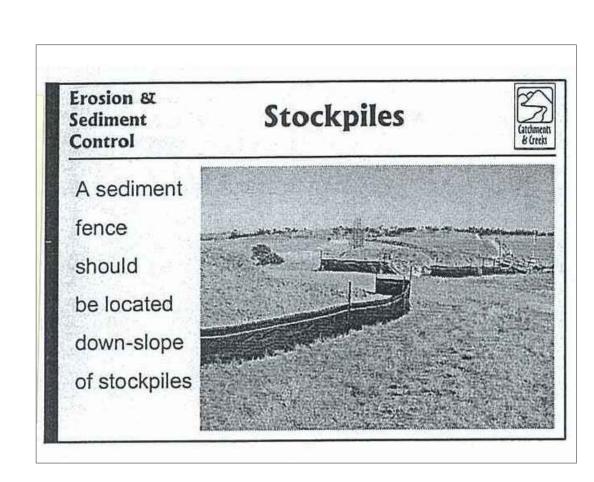
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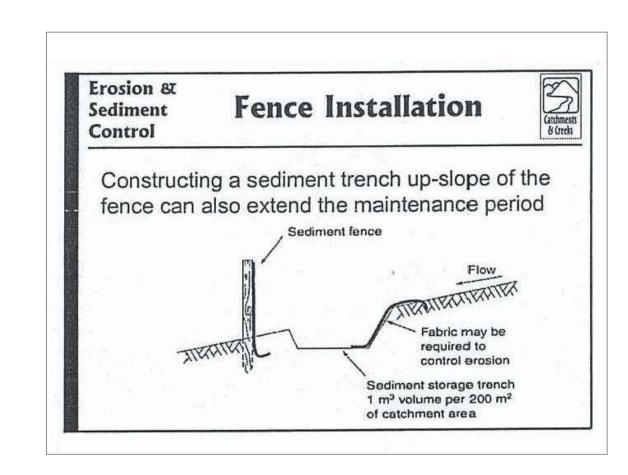
Checked Designed **B.IBBS** M. WRIGHT Date Authorised A.WILKIE 04/02/22 CONROY'S GREEN STAGE 8

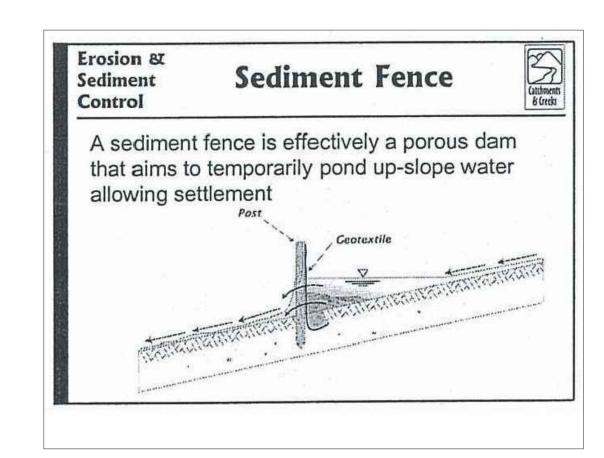
ENVIRONMENTAL MANAGEMENT PLAN - SHEET 1 CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L

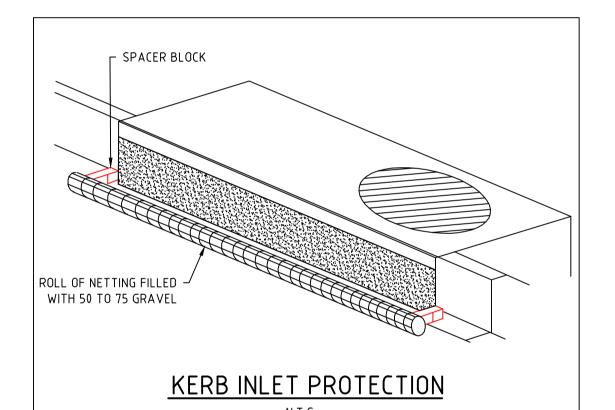












ENVIRO DEVELOPMENT ACCREDITATION

THE CONTRACTOR WILL BE RESPONSIBLE TO ASSIST SAN HUBERTO (THE DEVELOPER) TO ACHIEVE ACCREDITATION OF "EnvorDevelopment". EnviroDevelopment IS A SCIENTIFICALLY BASED BRANDING SYSTEM DESIGNED TO MAKE IT EASIER FOR PURCHASERS TO RECOGNIZE AND THEREBY SELECT MORE ENVIRONMENTALLY SUSTAINABLE HOMES AND LIFESTYLES. MORE SPECIFICALLY THE CONTRACTOR WILL NEED TO MEET THE FOLLOWING REQUIREMENTS.

1. THE CONTRACTOR WILL COMMIT TO PROVIDING STORMWATER MANAGEMENT TO ENSURE WATERWAYS ARE PROTECTED DURING CONSTRUCTION. THIS INCLUDES PROVIDING SILT TRAPS ONSITE AND IMPLEMENTING NO GO ZONES.

2. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE PRIOR TO OPERATION.

3. THE CIVIL DESIGN HAS BEEN UNDERTAKEN TO BALANCE CUT AND FILL VOLUMES TO MINIMIZE ANY EXPORTATION / IMPORTATION OF CUT / FILL ON THE SITE. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT SHOULD ANY SPOIL BE REQUIRED TO BE TAKEN OFFSITE OR IMPORTED.

4. A CONTAMINATION INVESTIGATION HAS BEEN UNDERTAKEN AT THE SITE. THIS INVESTIGATION CONCLUDES THAT THE SITE HAS A LOW RISK FOR SOIL CONTAMINATION. THIS ENVIRONMENTAL MANAGEMENT AND INARTICULATE ITEM 3 ABOVE ASSISTS IN MANAGING SOIL REMOVAL & IMPORTATION.

5. THE CONTRACTOR MUST USE THE FOLLOWING ENVIRONMENTALLY SUSTAINABLE MATERIALS AND SUPPLIERS: a) 95% OF CONSTRUCTED ROADS SHALL BE CONSTRUCTED USING WARM MIX ASPHALT REPLACING 40% BY WEIGHT OF HOT MIX ASPHALT. THE CONTRACTOR SHALL ALSO PROVIDE PROOF SUPPORTING THIS TECHNICAL INFORMATION.

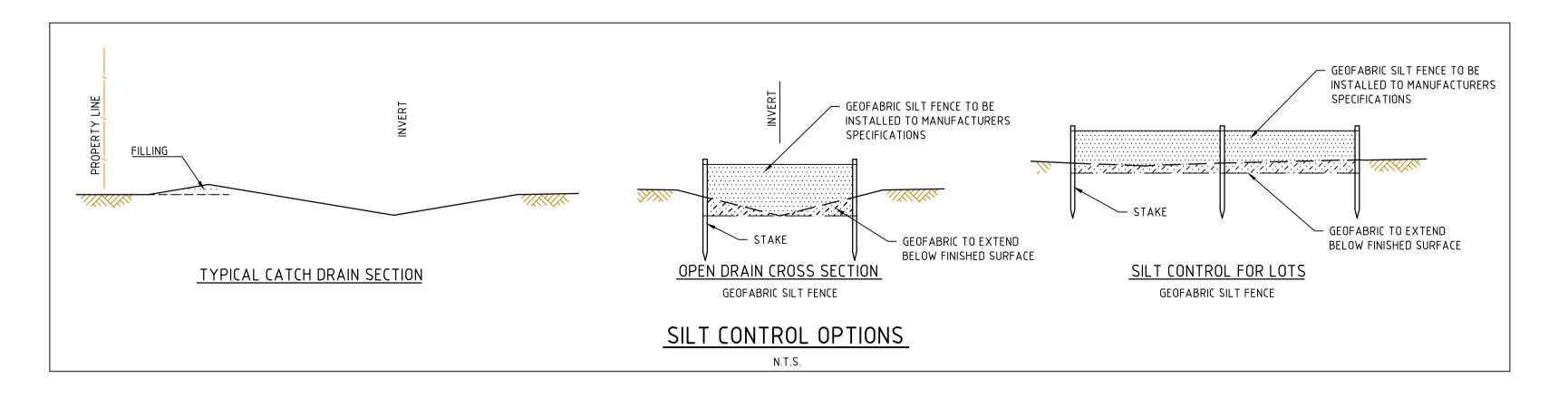
b) PCV MATERIAL USED WITHIN THE DEVELOPMENT MUST BE SOURCED FROM A SUPPLIER WHO IS ISO14001 CERTIFIED. THE CONTRACTOR SHALL ALSO PROVIDE PROOF SUPPORTING THIS TECHNICAL INFORMATION.

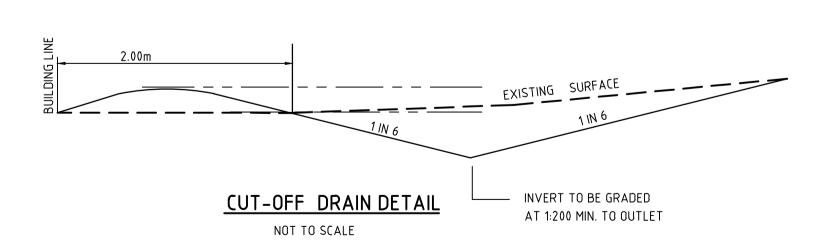
6. SOFT LANDSCAPING - THROUGHOUT THE PROJECT ANY VEGETATION DEBRIS FROM THE SITE IS TO BE MULCHED AND REUSED. ANY NON-CONTAMINATED TOPSOIL SHALL ALSO STOCKPILED AND RE-USED ONSITE.

7. THE CONTRACTOR SHALL BE AWARE THE SITE IS OF CULTURAL HERITAGE SIGNIFICANCE AND HAS A CULTURAL HERITAGE MANAGEMENT PLAN WHICH AT ALL TIMES MUST BE ADHERED TO. THE CONTRACTOR WILL BE REQUIRED TO UNDERTAKE A SITE INDUCTION WITH THE APPROPRIATE CULTURAL HERITAGE STAKEHOLDERS PRIOR TO WORKS COMMENCING. A COPY OF THE CULTURAL HERITAGE MANAGEMENT PLAN WILL BE PROVIDED TO THE CONTRACTOR PRIOR TO WORKS COMMENCING.

WARNING BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.





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Designed M. WRIGHT	Checked B.IBBS
Authorised A.WILKIE	Date 04/02/22

CONROY'S GREEN STAGE 8 **ENVIRONMENTAL MANAGEMENT PLAN - SHEET 2** CITY OF BALLARAT SAN HUBERTO PROPERTIES P/L

PRELIMINARY 309785CE002 (A)