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Document # 1145-C200-FUL-QAC-ITP-0017

evision : 02B

Date: 01/12/2023

Underground Stormwater Drainage Construction Process: Client: MRPV Prepared by: Reviewed by : Approved by: Project: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Item			Inspection / Controls and Verification	Detail			HP/	Responsibility	Checked by:			
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	WP/ AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date
1	Preliminary Works (FH Internal)											
1.1	Work pack briefing	Prior to Commencing Work	All personnel on site have been briefed on the relevant work park to scope of works. (includes subcontractors as/if rerquired) Work Pack (WP)	WP	Verify	Work pack signed.	HP*	Project Engineer	N/A			
1.2	Lot Map	each/line	Lot is assigend and recorded on lot map				IP	Project Engineer	N/A		N/A	
1.2	Check that current revision drawings are being used	Prior to Commencing Work	Issued For Construction (IFC) and latest available design revision in use (RFI). Design Drawings RFI Approval Number	IFC Project Drawings/ Drawing Register	Verify	Latest revision IFC drawings	HP*	Project Engineer	N/A		N/A	
	Ground Penetration Permit (GPP) issued by GPP Coordinator	Prior to Commencing Work	Current GPP signed and specific to the area where works will be executed. Including walk through of the work area with the site team and GPP Coordinator prior to works.	Excavation Permit	Verify	Excavation Permit	HP*	Project Engineer / GPP Coordinator	N/A		N/A	
1.4	Extension/ Modification of exissting drainage pits	Prior to Commencing Work	If there are any modification required to an existing drainage pit this will require the use of Structural Patch ITP.	1145-C200-FUL- QAC-ITP-0082	Document review	Teambinder Approval, Proof Engineering certificate	HP*	Project Engineer	N/A		N/A	
2	Stormwater Drainage Material Supply & Approva	als										
2.1	Drainage Pipes (RCP)	Each Line	Pipe Supply & Box Culverts CRG XX - Dia XX to XX - RCPA CRG - XXX - Culverts - XXX Other: Documentation as per 701.05 is available in Teambinder Material Approval form	701.04, 701.05	Verify	This ITP	IP	SE	N/A		N/A	

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Underground Stormwater Drainage Construction Process: Client: MRPV Prepared by: Reviewed by : Approved by: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Project: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Item			Inspection / Controls and Verification	Detail			HP/	Responsibility		Check	ed by:	
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date
2.11	Drainage Pipes (StormPro)	Each Line	Pipe Supply CRG XX - Dia XX to XX - Supplier Convic Other: Documentation as per 701.05 is available in Teambinder Material Approval form	701.04, 701.05	Verify	This ITP	IP	SE	N/A		N/A	
2.12	Drainage Pits	Each Pit	Pit Supply CRG XX - Dia XX to XX - AUSPITS/CUBIS Other: Documentation as per 701.05 is available in Teambinder Material Approval form	705.07	Verify	This ITP	ΙP	PE	N/A		N/A	
	Drainage Bedding Material Supply Source / Approval Project Wide	Each Source Material	Bedding & Haunch Material CRG XX - 20mm CL 3 wet mix FCR/CC - Holcim CRG - XXX - 20 Screenings - XX Supplier Other: Material Approved via Teambinder Material Approval Form.	Table 701.091, Table 701.092	Verify	This ITP	IP	SE	N/A		N/A	
	Drainage Bedding Material Supply Source Testing	Each Source Material/ 1 Test per 1000 tonnes	Bedding Materials comply with Table 701.091 and 701.092. RFI-0067 approves the use of Holcim 20mm CL3. 100% passing 19mm. 5%-40% passing 0.075mm. PI <= 20.	Table 701.091, Table 701.092, Cl. 701.29, Table 701.291 1145-FUL-RFI- 0067	Test Grading and Plasticity Index	Test Records From Supplier	ТР	PE	N/A		N/A	
2.3	Drainage Backfill Material	Each Source Material	Select Backfill; CRG XX - 20mm CL3 wet mix CC - Holcim CRG - XXX - Type A - Supply XX Other: Material Approved via Teambinder Material Approval Form.	Table 701-091, Toble 701-092 Table PS3020.051	Verify	This ITP	IΡ	SE	N/A		N/A	

Fulton Hogan		Inspection and Test Plan - Underground Stormwater Drainage								
•	Revision: 02B	Date: 01/12/2023								
Client: MRPV	Construction Process:	Underground Stormwater Drainage	Prepared by:		Reviewed by :		Approved by :			
Project: Craigieburn Road Upgrade	Specifications:	Project Specification 1200 and 3030	Name:		Name:	Nicola Lodo	Name:			
Contract No: CONS-1145	Structure / Component:	VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-20) Drainage Pipes, Culverts, Pits and Headwalls	Position:			Quality Manager				
	Location:		Date :		Date :		Date :			

Lot No:	ITP-017-AX-LOT-XXX	Lot Details:	ITP-017-AX-LOT-XXX - DESC	Lot Size/ Quantity:
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Item			Inspection / Controls and Verification	Detail			HP/ WP/	Responsibility		Check	ed by:	
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date
2.31	Backfill Material Testing	Each Source Material/ 1 Test per 1000 tonnes	Selected Material "Backfill" material tested at to ensure materials comply with the following: Grading & Plasticity Index- One per 1000 tonnes or part thereof	Table 701.091, Table 701.092, Cl. 701.29, Table 701.291	Test Grading and Plasticity Index	Test Records From Supplier	ТР	SE	N/A		N/A	
2.4	Material Inspection (Upon Delivery)	Each Delivery	Material inspection to be raised on ConQA for all precast pits, pipes and culverts. Any existing or new pipes or box culverts that have cracks wider than 0.2mm or are otherwise damaged prior to laying and backfilling must be rejected and removed from the Construction Areas.	ConQA Order Acceptance Form	Verify	Insert ConQA Material Inspection Reference	IP	SE	N/A		N/A	
2.5	Pit Access covers	Each	Pit Access Cover (s) CRG XX - Type D - XX Supplier CRG - XXX - Type E - Supply XX CRG - XXX - Type XX - Supply XX Other: Material Approved via Teambinder Material Approval Form.	705.04(b)	Verify	This ITP	ΙP	SE			N/A	

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								Date: 01/12/2020
Client:	MRPV	Construction Process:	Underground Stormwater Drainage	Prepared by:	Reviewed by :		Approved by :	
Project:	Craigieburn Road Upgrade No: CONS-1145	Specifications:	Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-20)	Name: Position:	Name:	Nicola Lodo Quality Manager	Name:	
Contract		Structure / Component:	Drainage Pipes, Culverts, Pits and Headwalls	i osition.		Quality ivialitagei		
		Location:		Date :	Date :		Date :	

Item				Inspection / 0	Controls and Verification	n Detail			HP/ WP/	Responsibility		Checked by:				
No.	Task/Activity Description	Frequency		Acceptance Crite	eria	Reference Documents	Inspection / Test Method	Record of conformity	AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date		
3	Installation of Drainage Pipes and Pits															
3.1	Drainage Pipes & Pits	Each Line	Any existing or new p	pipes or box culve	maged prior to laying	701.31	Visual Inspection Daily drainage checklist	This ITP	IP	Foreman/ Subcontractor	N/A					
3.2	Survey Set Out / Position of pipe/culvert/pits	Each Line	Prior to commencement stormwater drainage, of the, Superintendent Area Foreman/ Sup	confirm the set out		VicRoads Spec. Cl. 701.10 IFC Drawing	Visual Inspection Daily drainage checklist	This ITP	НР	Engineer / Foreman / Subcontractor / Surveyor						
3.3	Excavation	Each Line & Pit	specified depth of beds shoring as applicable Box culverts: - distance between culv 0.5 - 1.0 x the overall h Pipe culverts: - the width of trench at shall be such that the h pipe to the wall of the t <600mmm. Pits: - Clearance from extern	c culverts: stance between culvert wall and trench wall is between - 1.0 x the overall height of the culvert. e culverts: e width of trench at and below the level of the top of the pipe Il be such that the horizontal clearance from the outside of the to the wall of the trench is greater than >300mm, less than 0mmm. :: earance from external faces of the pit to each face of the avation to be not less than 400mm es: Nominal Pipe Diameter or Width (mm) Max. (mm) (mm) Max. (mm)		VicRoads Spec. Cl. 701.15 Table 701.151 Cl. 705.05(b)	Visual Inspection Daily drainage checklist	This ITP	IP	Foreman	N/A					

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Underground Stormwater Drainage Construction Process: Client: MRPV Prepared by: Reviewed by : Approved by: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Project: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Item			Inspection / Controls and Verification	Detail			HP/ WP/	Responsibility		Check	ed by:	
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date
3.3	Bedding	Each trench	Bedding material shall be provided and placed for the full width of the trench. The compacted thickness of bedding material following any shaping necessary shall be: - minimum 100mm for pipes of D< 1500mm 'D' is the nominal pipe diameter or culvert width. If bedding is being applied on rock subgrade the minimum thickness shall be 150mm in all instances. The required bedding depth shall be excavated and placed to accommodate the joint collar. Bedding and backfill materials shall be placed and compacted to refusal using hand held mechanical equipment in layers not exceeding 150 mm loose thickness. Once culvert sections are in position, an additional layer of bedding material is placed to a height equal to 30% of the nominal pipe diameter or culvert height.	VicRoads Spec. Cl. 701.16 Cl. 701.20(a)	Visual Inspection Daily drainage checklist	Test Report / This ITP	ΙP	Foreman	N/A		N/A	
3.4	Laying - Circular Pipe	Each culvert	Rebate and socket ends of pipe sections are positioned facing upstream and are to be fully entered. (Laying from downstream). The lower portion of the pipe shall be in contact with the bedding for the full length of each section. The compacted bedding shall be shaped to accommodate the joint collar and ensure that the pipe is supported along its full length.	VicRoads Spec. Cl. 701.17(b), Table 701.171	Visual Inspection Daily drainage checklist	ITP signed	ΙP	Foreman	N/A		N/A	

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Underground Stormwater Drainage Construction Process: Client: MRPV Prepared by: Reviewed by : Approved by: Project: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Item			Inspection / Controls and Verification	Detail			HP/ WP/	Responsibility	Checked by:				
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Superintendent	Superintendent	Fulton Hogan	FH's Sub- contractor	Date	
3.5	Laying - Box Culverts	Each culvert	Consecutive sections of box culverts are firmly placed butted together. The top section matched to the bottom section and no lips over adjoining bottom sections. Contact areas between the top and bottom sections are mortared. Multi-row box culverts laid with sections in each row in contact with the sections in the adjacent rows.	VicRoads Spec. Cl. 701.17(c)	Visual Inspection Daily drainage checklist	ITP signed	IP	Foreman	N/A		N/A		
3.6	Laying - Cutting of RCP/Culverts (If applicable)	Each culvert	When cutting culvert section to length or to create a penetration, cuts to be done by machine to achieve a clean vertical face. Any exposed reinforcement shall be coated with Megapoxy P1 treatment to prevent corrosion.	VicRoads Spec. Cl. 701.17(d) 1145-FUL-AP- 0100	Visual Inspection Daily drainage checklist	ITP signed	ΙP	Foreman	N/A		N/A		
3.7	Jointing Circular Pipe	Each culvert	Rubber Ring Joints (RRJs) jointed with rubber rings which have been kept undisturbed, clean, and free from dirt and other foreign materials and shall be stored undercover if pipes are not to be installed immediately. RRJs assembled and prepared in accordance with the manufacturer's recommendations.	VicRoads Spec. Cl. 701.18	Visual Inspection Daily drainage checklist	Manufacturer's recommendations	IP	Foreman	N/A		N/A		
3.8	Survey	Each Lot	At the completion of each drainage run and before commencement of the next line, the location of each run of underground drainage shall be verified by a surveyor prior to backfilling the culverts. This shall be recorded progressively on the Contractor's as constructed drawings. Tolerances that apply: (a) offset of entry pits required to match lines of kerbs or barriers +/-20mm (b) plan location of pits other than offsets to kerb lines or barriers +/-100mm (c) Invert leve of pipes at pits +/-50mm whilst maintaining required drainage grade. (d) Departure from design grade of pipe runs +/-10mm in 10m (+/-0.1%) provided minimum grade is not less than 1:250 (0.4%).	VicRoads Spec. Cl.701.10	Survey Daily drainage checklist	Survey Report	HP*// SCP	SE	N/A		N/A		

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Underground Stormwater Drainage Construction Process: MRPV Prepared by: Reviewed by : Approved by: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Project: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Item		Inspection / Controls and Verification Detail					HP/ WP/	Responsibility	Checked by:				
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date	
3.9	Backfilling	Each culvert	Excavations for drainage pits and pipes must be backfilled with (min)Type A material or approved subtitutes and, where applicable, pavement material above subgrade level Backfill types HS2 & H2 For Type A The fill must have characteristic moisture content not less than 90% between completion of rolling and the placement of the overlying layer. Culvert Under Area to be Paved: If the pipe haunch zone is within or above the pavement subgrade Where the trench has been excavated from design-subgrade level or above, the trench above bedding is to be backfilled with 10mPa lean mix concrete to min 150mm above the pipe and above that level with appropriate pavement material. Culvert Under Area not to be Paved: The trench is backfilled with Type A selected backfill material to a level 300mm above the top of the culvert and with ordinary backfill material above that level.	PS3030.06(K)(iii) VicRoads Spec. Cl. 701.19(a) 1145-C201-ACM- CVP-DRG-2122	Visual Inspection Daily drainage checklist	ITP signed	ΙP	Foreman	N/A		N/A		
3.10	Backfilling with cement stabilised sand (If required)	Each drainage line	Subject to superintendent approval, underground stormwater drains may be backfilled to half the pipe diameter or box culvert height with 3% stabilised sand. Mixture to have a water content sufficient to ensure penetration beneath the pipe or box culvert invert without leaving free surface water.	VicRoads Spec. Cl. 701.19(c)	Visual Inspection Daily drainage checklist	Superintendents Correspondence ITP signed	AP/ *HP	Engineer / Superintendent			N/A		
4	Testing and Inspection												
4.1	Bedding Compaction Requirements	3 test per lot. (1 lot consists of one layer of bedding for a culvert length between pits or endwalls) Min. 20% of all lots for each culvert shall be tested.	Bedding assessed for compaction and /or moisture in lots. Bedding compacted to refusal using handheld mechanical equipment. Bedding material which has a swell equal to or greater than 2.5% shall be maintained at a mean moisture ratio of 92% between the completion of rolling and the placement of the overlying layer	VicRoads Spec. Cl. 701.20 (a)	Visual Inspection Daily drainage checklist	Compaction and moisture Test Records	TP	Engineer	N/A		N/A		

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Underground Stormwater Drainage Construction Process: Client: MRPV Prepared by: Reviewed by : Approved by: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Project: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Item	Inspection / Controls and Verification Detail			HP/ Responsibility		Checked by:						
No.	Task/Activity Description	Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	AP/ IP/ TP/ SCP	Project Engineer Site Engineer Superintendent Surveyor Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date
4.2	Backfill Compaction and Moisture requirements	3 test per lot. (1 lot consists of one layer of bedding for a culvert length between pits or endwalls)	Backfill as per the approved and selected material: Bedding/Backfill assessed for compaction and or moisture in lots. If backfill has a swell greater to or equal to 2.5% it must have characteristic moisture content not less than 92% between completion of rolling and the placement of the overlying layer compacted to a mean value of density ratio of not less than 97%. Min. 20% of all lots for each culvert shall be tested (1 test every 750mm).	VicRoads Spec. 701.20 (b)	Site Inspection	Compaction and moisture Test Records	ТР	Engineer	N/A		N/A	
4.3	Flushing System	Each culvert	Each culvert flushed clean from end to end on completion and maintained in proper working order.	VicRoads Spec. Cl. 701.28	Site Inspection	ITP signed	IP	SE	N/A		N/A	
4.4	Inspection of drainage lines	Each culvert prior to construction of pavement layers	All drainage lines inspected with CCTV cameras, after completion of earthworks to subgrade level and prior to construction of pavement layers. Inspections shall be conducted by an independent testing organisation using CCTV to 0.1mm accuracy and reporting in accordance with WSA 05-2013 (Conduit Inspection Reporting Code of Australia), to verify that the flow of water is not obstructed by waste construction material left inside and to check for visible signs of defects Reports provided to the Superintendent, with a copy of the CCTV and a summary of the loation of any defects detected. It is good practise to ensure that each culvert is flushed clean from end to end (i.e., Pit to Pit-including pit) on completion and maintained in proper working order prior to CCTV inspection. Any section of damaged pipe or box culvert which does not comply with CI 701.31 is to be removed and where approved by the Superintendent, defects are to be reapired using approved procedures	Project Spec. Cl.3030.06 (k) VicRoads Spec. Cl. 701.30 and 701.31 AS/NZS 2566.2 Table 5.6	Site Inspection	Inspection Organisation Inspection report ITP signed	Н	Engineer / Superintendent			N/A	

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Construction Process: **Underground Stormwater Drainage** Client: MRPV Reviewed by Approved by : Prepared by: Craigieburn Road Upgrade Name: Name: Nicola Lodo Name: Project: Specifications: Project Specification 1200 and 3030 VicRoads Specifications Sec. 610 (Feb-20), 619 (Dec-17), 701 (May-20), 705 (May-Contract No: CONS-1145 Quality Manager osition: Drainage Pipes, Culverts, Pits and Headwalls Structure / Component: Location:

Lot No: ITP-017-AX-LOT-XXX Lot Details: ITP-017-AX-LOT-XXX - DESC Lot Size/ Quantity:

Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity	IP/ TP/	Project Engineer Site Engineer Superintendent Surveyor				
					Foreman GPP Coordinator	Superintendent	Fulton Hogan	FH's Sub- contractor	Date
Submit details of proposed rectification treatments including manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications.	VicRoads Spec. Cl. 701.31	Site Inspection	ITP signed	НР	Engineer	N/A		N/A	
Each culvert flushed clean from end to end on completion and maintained in proper working order.	VicRoads Spec. Cl. 701.28	Site Inspection	ITP signed	IP	Engineer	N/A		N/A	
Lot is assigend and recorded on lot map				IP	Project Engineer	N/A		N/A	
Changes to the design related to the lot have been recorded and transferred to the asbuild/ red line mark up				IP	Senior Project Engineer	N/A		N/A	
	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. Each culvert flushed clean from end to end on completion and maintained in proper working order. Lot is assigend and recorded on lot map Changes to the design related to the lot have been recorded and	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. Each culvert flushed clean from end to end on completion and maintained in proper working order. VicRoads Spec. Cl. 701.28 VicRoads Spec. Cl. 701.28 Changes to the design related to the lot have been recorded and	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. Each culvert flushed clean from end to end on completion and maintained in proper working order. Lot is assigend and recorded on lot map Changes to the design related to the lot have been recorded and	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. 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CI. 701.28 Site Inspection ITP signed ITP signed IP Lot is assigend and recorded on lot map IP	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. Each culvert flushed clean from end to end on completion and maintained in proper working order. VicRoads Spec. Cl. 701.31 Site Inspection ITP signed IP Engineer Lot is assigend and recorded on lot map Changes to the design related to the lot have been recorded and	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. VicRoads Spec. CI. 701.31 Each culvert flushed clean from end to end on completion and maintained in proper working order. VicRoads Spec. CI. 701.28 Site Inspection ITP signed IP Engineer N/A Lot is assigend and recorded on lot map Lot is assigend and recorded on lot map Changes to the design related to the lot have been recorded and	manufacturer's product specifications and warranties, the area and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. Each culvert flushed clean from end to end on completion and maintained in proper working order. VicRoads Spec. Cl. 701.28 Site Inspection ITP signed IP Engineer NVA Lot is assigend and recorded on lot map IP Project Engineer NVA Changes to the design related to the lot have been recorded and	manufacturer's product specifications and warranties, the airea and thickness of repair treatment, detailed repair procedures, and inspection and test plans. No repairs shall be undertaken without the Superintendent's approval of the repair materials and procedures. All repairs shall be inspected using CCTV to verify compliance with the repair specifications. VicRoads Spec. Cl. 701.31 Site Inspection ITP signed ITP signe

Final Inspection

The signature below verifies that this ITP has been completed in accordance with the FH's Quality system Procedures and verifies lot compliance with specifications.

Print Name: Position: Signature: Date: / /

Nork Completed On:

٧	Work Completed On.										
Legend											
Н	HP Hold Point	Work shall not proceed past the HP until released by the Superintendent	IP	Inspection point	Formal Inspection to be done and recorded						
Н	HP* FH Hold Point	Work shall not proceed past the HP* until released by FH	TP	Test Point	Product compliance test to be undertaken and recorded/reported						
Α	AP Approval Point	Written or verbal approval given by the Superintendent	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report						
			WD	Witness Boint	An inapportion which must be witnessed by the Cuparintendent						