

SH1 Papakura to Drury South

Onewhero – Tuakau Community Board
27 April 2021



Introductions

Fulton Hogan Ltd

- Nettie Bird – Stakeholder & Communications Manager
- Ash Mitchell – Construction Manager

Early community engagement – Nettie Bird



Working with Communities

Through Waka Kotahi we will

- Develop trusting and honest relationships with the communities we impact
- Engage with communities when we are making decisions that impact them; listen to what they say, and be open to alternative solutions and ways of doing things
- Respect local traditions, history and cultural practices and proactively seek to better encompass them in our work
- Minimise the impact of our works, through early planning, innovative methodologies, open communication, and ongoing monitoring
- Manage and communicate change with empathy, by providing accurate and timely information. Be open and respectful when we are interacting
- Contribute to our local communities by listening respectfully to their needs and finding ways we can engage meaningfully.

Night-time Rat Run Management

Situation

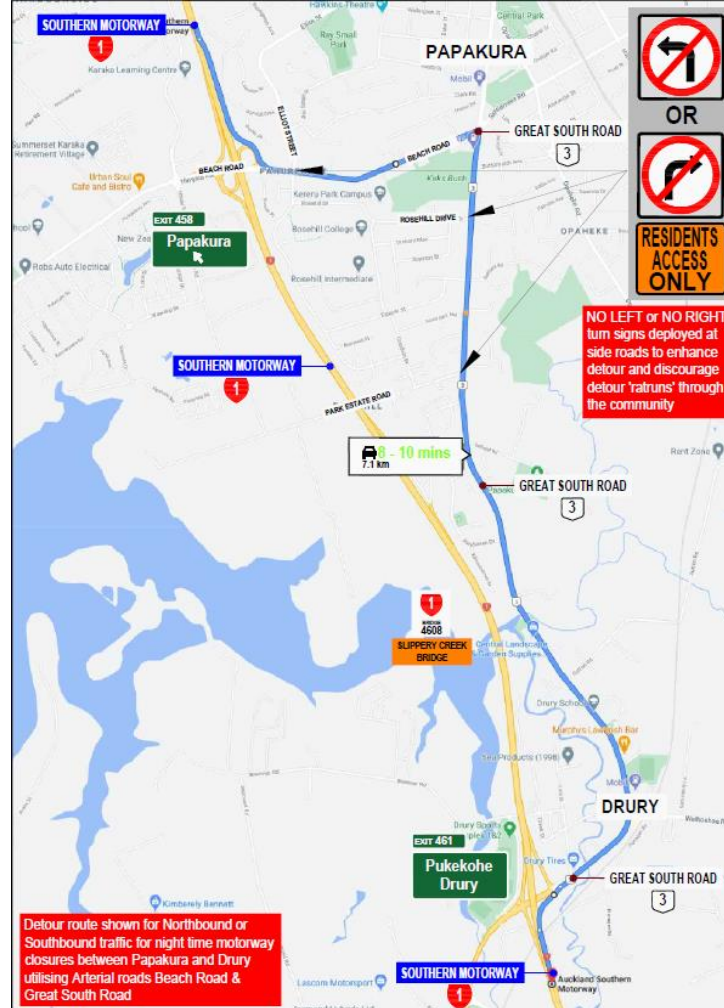
- Night detour traffic often stray off the posted route to rat run through residential streets

What it looks like

- Partial closure of residential street entrances to thwart the rat run entry

Benefits

- Keep detour traffic onto arterial detour route
- Residential Customers in quiet streets don't have detour traffic past their houses



Overview and General Staging - Ash Mitchell

Papakura to Drury South

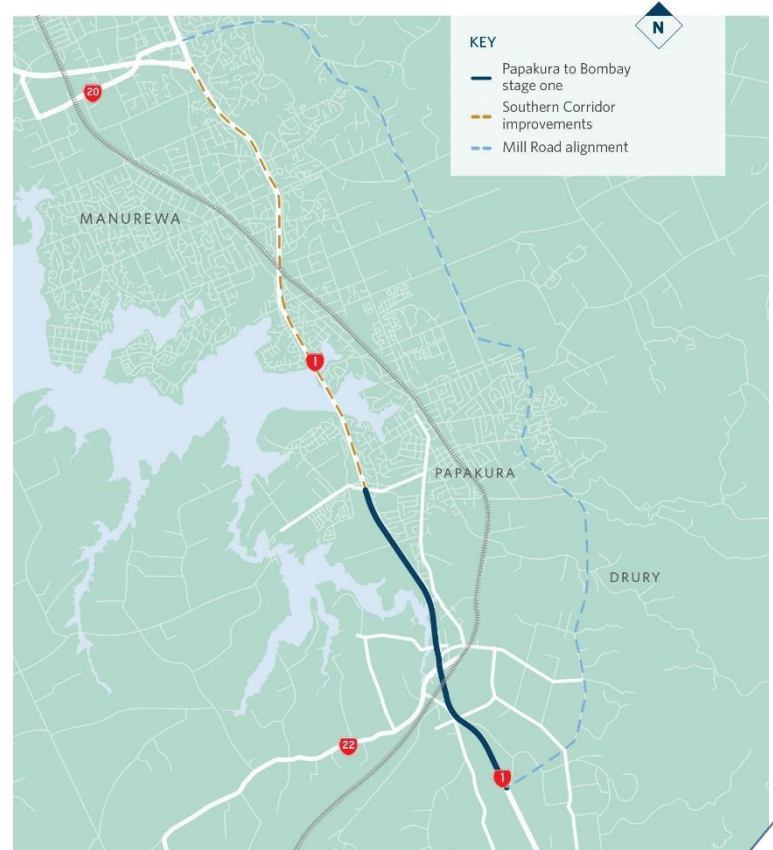
Full Project Overview

Benefits

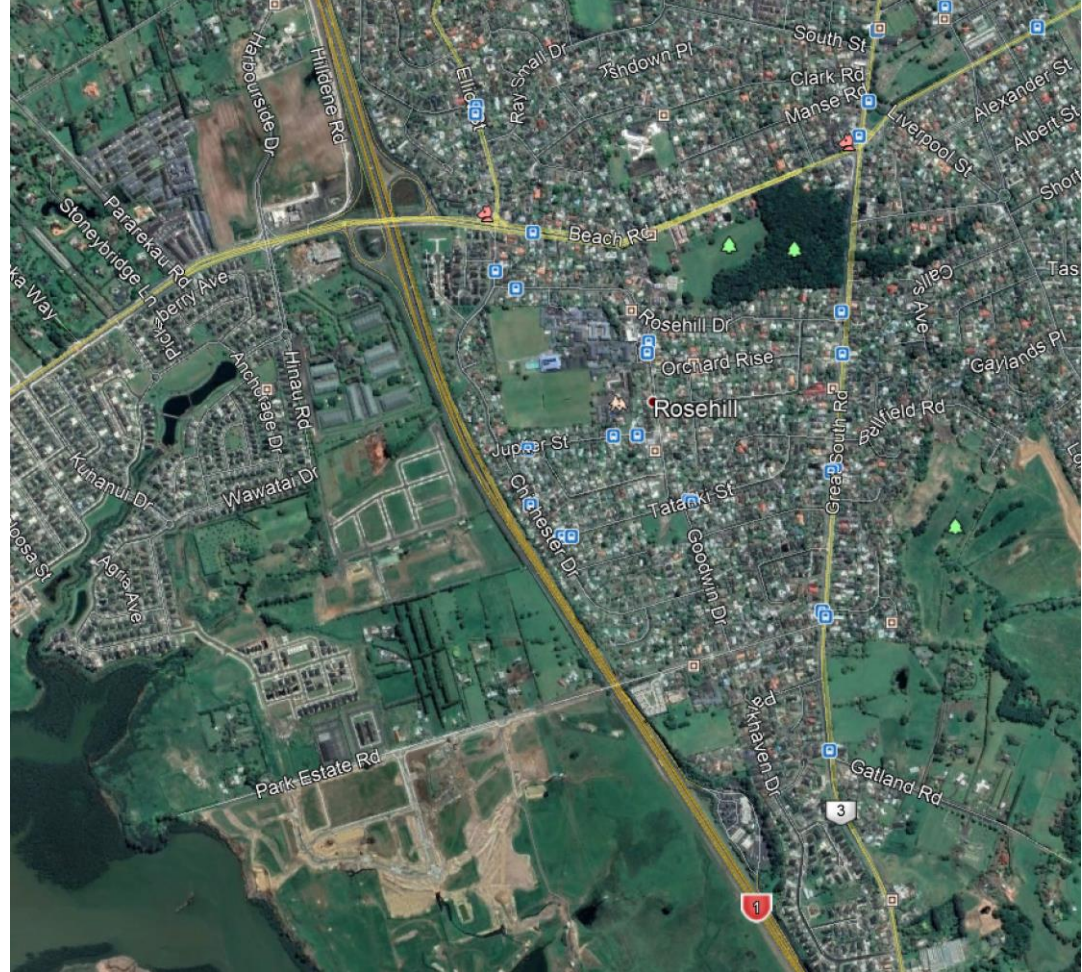
- Supports urban growth
- New walking and cycling facilities
- Provision for improved public transport
- Improved resilience
- Improved environmental outcomes

Project features

- A third lane in each direction – HOV/freight lanes being investigated
- Interchange improvements
- Shared walking and cycling path
- Allow for future dedicated public transport services
- Stormwater treatment and flood protection



P2DS Stage1A



Stage 1A of Papakura to Drury South

Current	Stage 1A scope
Two lanes in each direction	Three lanes in each direction
No bus shoulder lane	Bus shoulder lane
No concrete median barrier	Concrete median barrier
No noise walls	New noise walls
Beach Road Bridge	Modified Beach Road eastern span and retaining wall
Park Estate Bridge	Replaced/widened Park Estate Bridge with Watercare pipe
No stormwater runoff treatment	New stormwater treatment throughout
Deep lift road pavement (2 lane plus shoulder)	Overlay with EMOGPA + widening full reconstruction
Grass median	Paved median



SITE WIDE (night works)

- 1 Temporary AC shoulders
- 2 Mill 60mm OGPA G5 Membrane and 1st 55mm AC14 lift
- 3 New line marking and placing of temporary steel barriers
- 4 Retaining wall RW06 and RW07 construction commencing

Typical view looking south



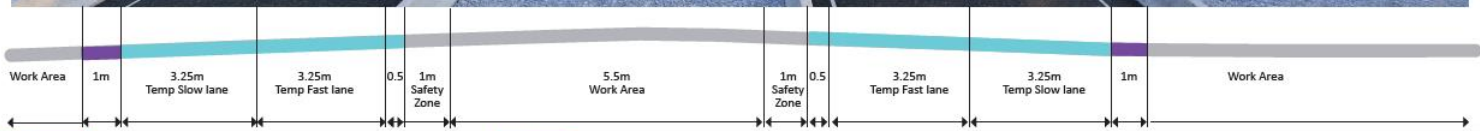
PROJECT	SH1 PAKAKURA TO DRURY SOUTH	SCALE	NOT TO SCALE	
TITLE	ENABLING WORKS	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	02	NOTES	See Separate Staging Drawings 07-15 for Park Estate Bridge and Culvert Staging	



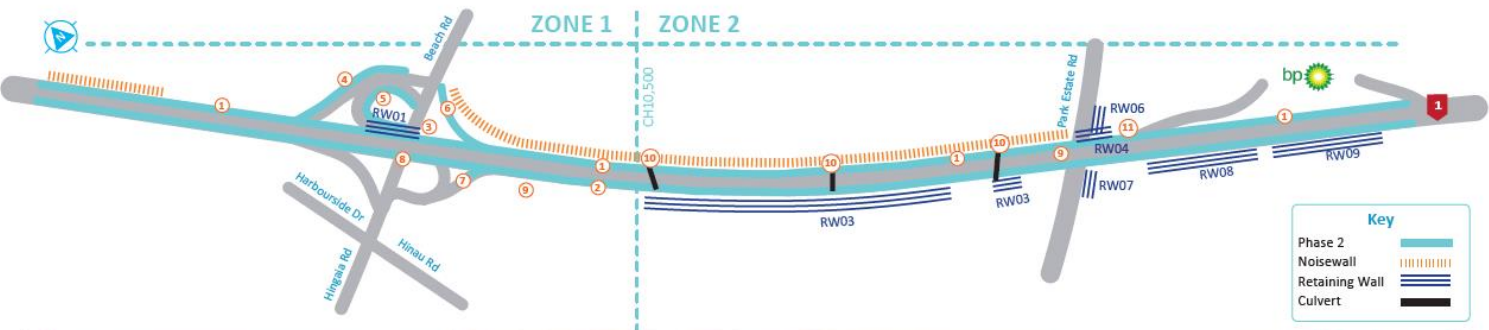
- 1 Set up site access points and haul road construction for behind temporary barrier construction (site-wide)
- 2 Commence service investigations, contaminated soil testing, site clearance (site-wide)
- 3 Erect temporary fencing and temporary noisewalls
- 4 Noisewall 2 construction two crews working south from Papakura Interchange to Park Estate Road
- 5 Noisewall 1 construction
- 6 Excavate median to waste and test subgrade
- 7 Construct median pavements
- 8 Construct median barrier and streetlight
- 9 Establish Park Estate Bridge Work Zone - see staging drawings 07 to 12 for bridge staging and deconstruction
- 10 Finish retaining wall RW06 and RW07 in conjunction with bridge staging
- 11 Construct retaining walls RW03, RW08 & RW09 on west side

Nightworks

Typical view looking south



PROJECT	SH1 PAKAPURA TO DRURY SOUTH	SCALE	NOT TO SCALE	
TITLE	PHASE 1 - MEDIAN PAVEMENTS, MEDIAN BRIDGE PIERS, NOISEWALLS, RETAINING WALLS, NETWORK DRAINAGE AND UTILITIES	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	03	NOTES	See Separate Staging Drawings 07-15 for Park Estate Bridge and Culvert Staging	

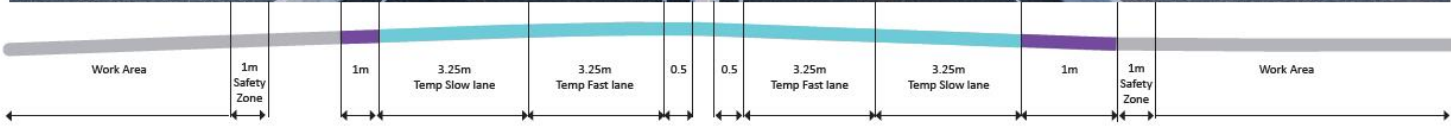


Key

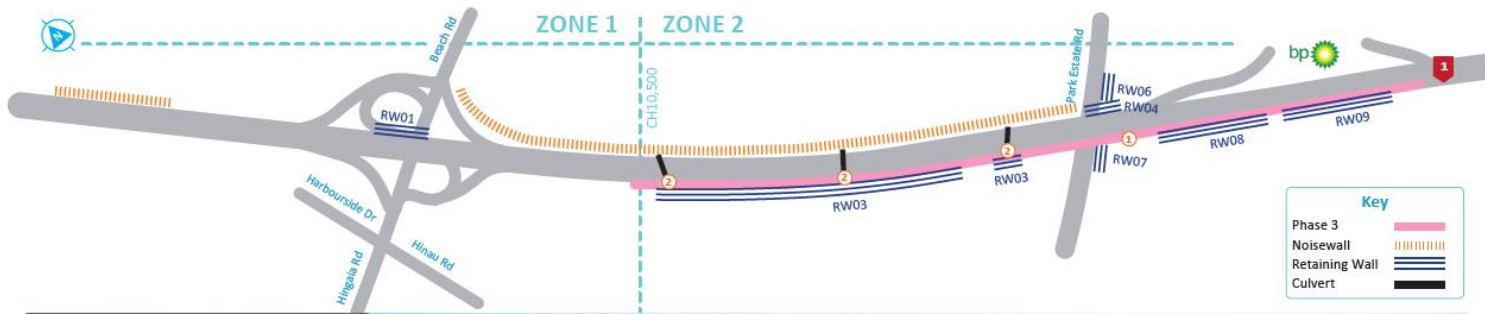
- Phase 2
- Noisewall
- Retaining Wall
- Culvert

- 1 Southbound pavement widening and traffic services
- 2 Construct North pavement widening and traffic services
- 3 Construct Beach Road Bridge Eastern Abutment Wall
- 4 Construct Papakura South Bound Off-Ramp
- 5 Construct Papakura South Bound Loop On-Ramp
- 6 Construct Papakura Interchange new South Bound On-Ramp pavements and traffic services
- 7 Construct Papakura Interchange North Bound Off-Ramp widening
- 8 Construct Papakura North Bound Loop On-Ramp widening
- 9 Landscaping and gantry installation
- 10 Construct culverts on outside northbound and southbound sides - see staging drawings 13 - 15 for culvert staging
- 11 Construct RW04 on east side

Typical view looking south

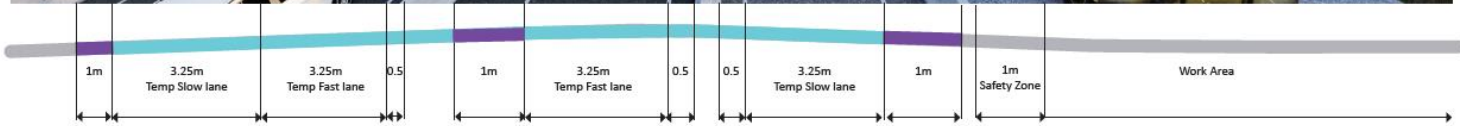




PROJECT	SH1 PAKAKURA TO DRURY SOUTH	SCALE	NOT TO SCALE	
TITLE	PHASE 2 - OUTSIDE PAVEMENTS AND BERM	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	04	NOTES	See Separate Staging Drawings 07-15 for Park Estate Bridge and Culvert Staging	

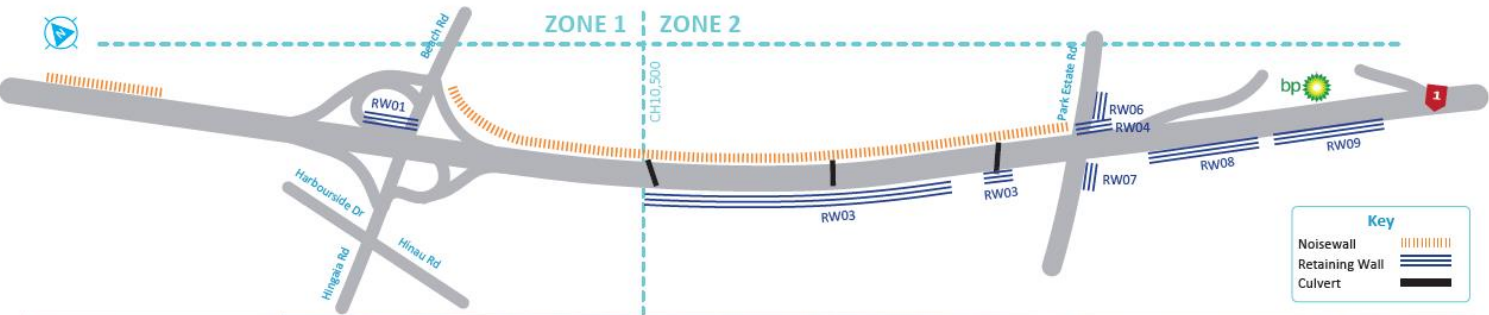


- 1 Northbound Pavement Widening and Traffic Services
- 2 Culvert Construction - west side

Typical view looking south



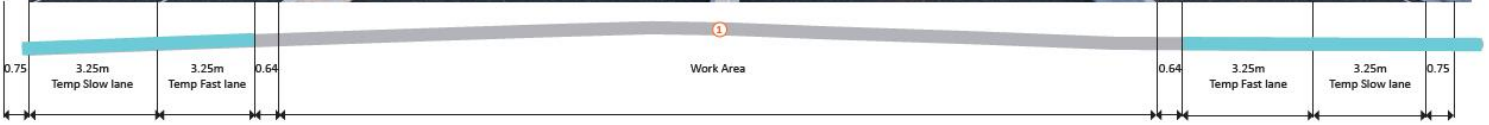
PROJECT	SH1 PAKAPURA TO DRURY SOUTH	SCALE	NOT TO SCALE	 
TITLE	PHASE 3 - EXPRESS LANE PAVEMENTS FOR NORTHBOUND WIDENING AND CULVERT CONSTRUCTION	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	05	NOTES	See Separate Staging Drawings 07-15 for Park Estate Bridge and Culvert Staging	



- 1 Culvert construction centre sections
- 2 Final surfacing



Typical view looking south



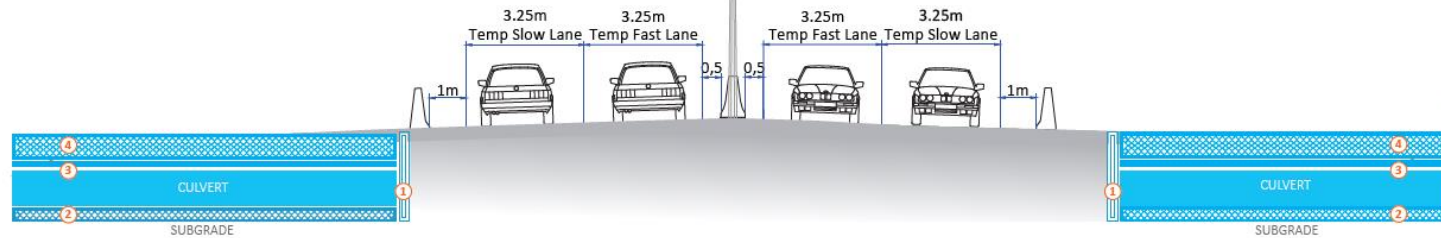
PROJECT	SH1 PAKAPURA TO DRURY SOUTH	SCALE	NOT TO SCALE	
TITLE	PHASE 4 - FINAL SURFACING AND CULVERT COMPLETION	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	06	NOTES	See Separate Staging Drawings 07-15 for Park Estate Bridge and Culvert Staging	

Box Culvert Staging Overview

A BOX CULVERT PHASE 2 - both sides of the motorway



- 1 Install system for side rail temporary shoring during excavation
- 2 Excavate to sub-grade
- 3 Install culvert followed by lid
- 4 Reinstate and build pavements

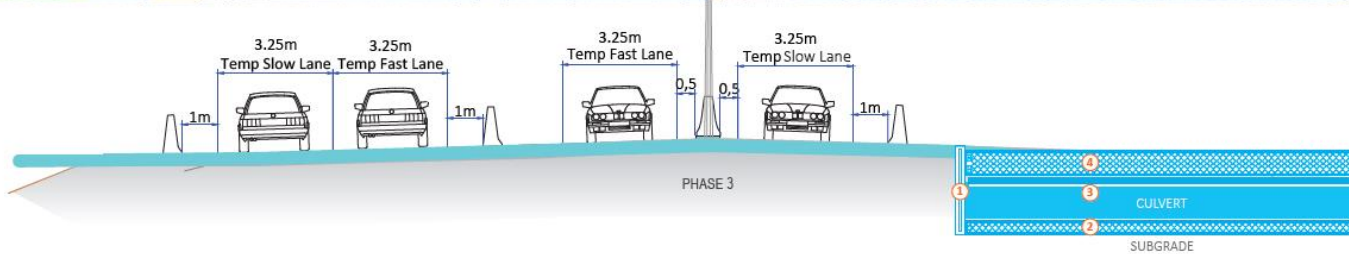


PROJECT	SH1 PAKAPURA TO DRURY SOUTH	SCALE	NOT TO SCALE	
TITLE	BOX CULVERT STAGING	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	13	NOTES		

B BOX CULVERT PHASE 3 - during expresslane construction



- 1 Install system for side rail temporary shoring during excavation
- 2 Excavate to sub-grade
- 3 Install culvert followed by lid
- 4 Reinststate and build pavements

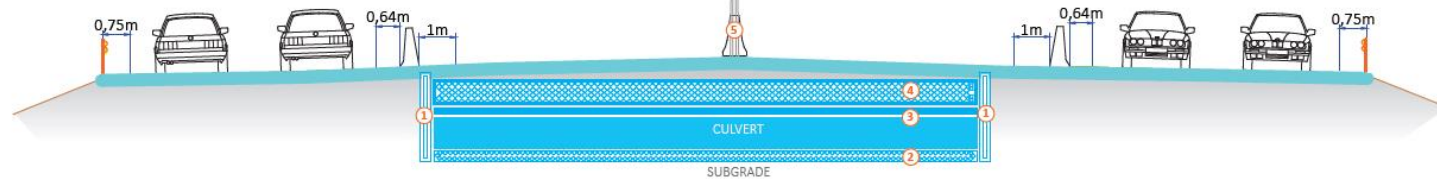


PROJECT	SH1 PAKURA TO DRURY SOUTH	SCALE	NOT TO SCALE	
TITLE	BOX CULVERT STAGING	DETAIL	FOR TENDER SUBMISSION	
DRAWING #	14	NOTES		

C BOX CULVERT PHASE 4 - during final surfacing



- 1 Install system for side rail temporary shoring during excavation
- 2 Excavate to sub-grade
- 3 Install culvert followed by lid
- 4 Reinststate and build pavements
- 5 Temporarily remove concrete precast barriers

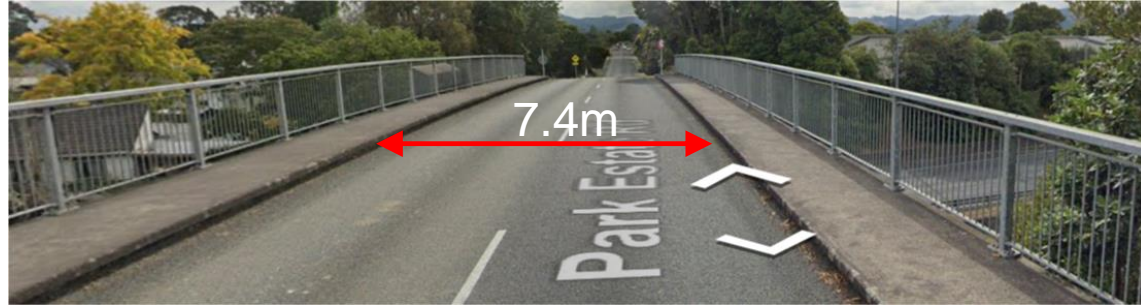


PROJECT	SH1 PAKURA TO DRURY SOUTH	SCALE	NOT TO SCALE		
TITLE	BOX CULVERT STAGING	DETAIL	FOR TENDER SUBMISSION		
DRAWING #	15	NOTES			

Park Estate Bridge

Constraints

- Existing bridge to remain live (single lane allowed)
- Limited working space
- Close proximity to residential properties
- New Bridge Deck approx. 1.2m higher than existing
- Live 150mm watermain through existing Bridge
- Major subdivision construction underway (West).
- Currently the only access to the new subdivision is via bridge





He pātai? Questions?