

Information

Project Background

NorthConnex would be a tolled Motorway tunnel, around 9km long, linking the M1 Pacific Motorway at Wahroonga to the Hills M2 Motorway at West Pennant Hills.

Project Update

The Government's announcement on 16 March 2014 starts community consultation of the preferred scheme as part of the environmental assessment.

M2 Integration Works

Integration work is required to enable the safe merge of traffic from the proposed tunnel onto the Hills M2 Motorway and to improve westbound traffic flow in this location.

Instructions

- Click on the shapes to show more information and view artists impression images
- Hover mouse along tunnel alignment to see the depth of the main tunnel
- Click the 'properties' button, in top right hand corner, to view more detail for properties around 50m from the tunnel alignment

Legend

- Proposed Infrastructure
- Ventilation outlets
- Tunnel operations facility
- Construction compounds
- Tunnel

Properties within project area X

Properties in the project area are highlighted with a grey outline. Click on a property to view distance and minimum depth to tunnel from the nearest property boundary.

Close this dialog box to turn off properties

Less than 10 Meters from the tunnel, Acoustic Approx 5 Meters from acoustic wall

Approx 150 Meters ++ to be tunnelled under Pennant Hills Road

It would be viable to adjust the existing off ramp to accommodate the traffic to blend into the Pennant Hills Road entry point into the tunnel as to building a separate tunnel on the M2 saving **Millions**

205

Aerial

Properties

Stack

Stack

Stack

Properties within project area X

Properties in the project area are highlighted with a grey outline. Click on a property to view distance and minimum depth to tunnel from the nearest property boundary.

Close this dialog box to turn off properties

**Crown Land
off ramp lead in**

**Minimal environmental
impact as you should be
able to access the tunnel
through the side of the
creek gorge**

**Already under ground
Can not disturb any dwellings
/ devalue homes dust etc**

**There is an abundance of
native wild bird life including
echidna's**

**Bend radius so not
tunnelling directly
under homes etc**

**Approx 150
Meters ++ to be
tunnelled under
Pennant Hills
Road**

Stack

Stack

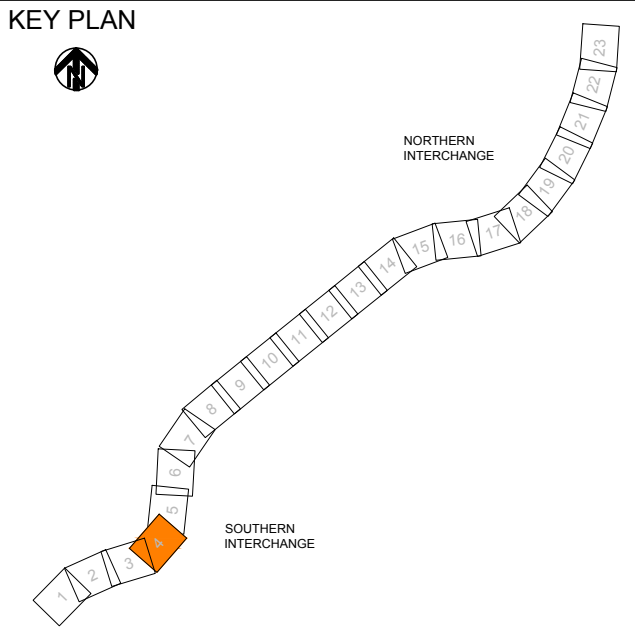
Stack

**Between 6 to 20 meters to tunnel
depth. Directly above tunnel exit.
(No tunnel required cost saving \$\$)**

**improves efficiency and tunnelling
costs of going under Pennant Hills
road**

- LEGEND
- ROAD CONTROL LINE
 - PROJECT BOUNDARY
 - EXISTING PROPERTY BOUNDARY
 - G4 W-BEAM SAFETY BARRIER
 - TYPE F SAFETY BARRIER
 - DRAINAGE CULVERT WITH HEADWALLS (REFER DRAINAGE DRAWINGS)
 - DRIVEN TUNNEL
 - CUT AND COVER TUNNEL
 - DIVE STRUCTURE - OPEN TROUGH
 - SURFACE ROADWORKS
 - CROSS PASSAGE
 - VEHICLE CROSS PASSAGE
 - MAINTENANCE BAY
 - UNDERGROUND SUMP / PUMP STATION
 - UNDERGROUND SUBSTATION
 - SMOKE EXTRACTION TUNNEL AND SHAFT

- NOTES
- FOR ALIGNMENT CONTROL PLANS, REFER TO DRG. No's RD-0131 to 0132.
 - FOR TYPICAL CROSS SECTIONS REFER TO DRG. No's RD-0001 to 0012.
 - FOR ROAD LONGITUDINAL SECTIONS REFER TO RD-0200 AND RD-0300 SERIES DRAWINGS.
 - FOR ROAD CROSS SECTIONS REFER TO RD-0500 TO RD-0900 SERIES DRAWINGS.
 - THESE LAYOUTS SHOW INDICATIVE LINEMARKING.
 - THIS DRAWING SHOWS THE F3-M2 MAIN TUNNEL AND RAMP ALIGNMENT PLAN LAYOUTS. FOR THE LAYOUT PLAN OF PENNANT HILLS ROAD, REFER TO DRG. No. F3M2-600-DR-RD-0151.



Survey would suggest there is enough room for both Sub station and Emission Ventilation Tunnel to be on the correct side of the tunnel exit point saving tunneling cost

Approximately 20 meters from the back of the house not from the boundary

Approximately 20 meters from the back of the house not from the boundary

Approximately 10 meters from the back of the house not from the boundary

Proposed Emission Stack

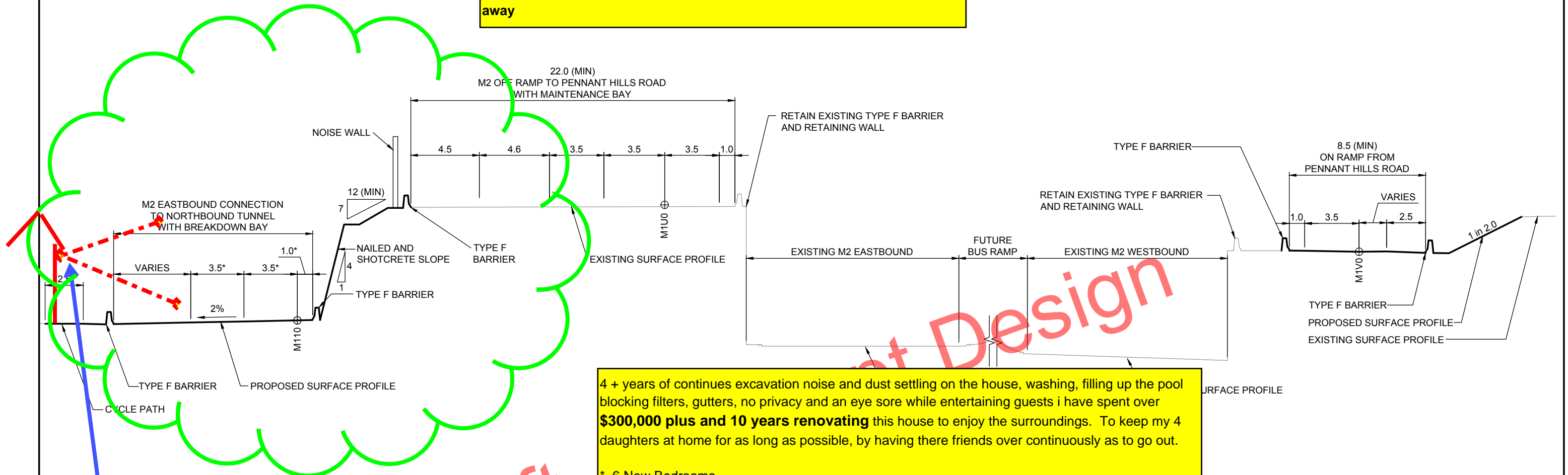
Proposed Emission Tunnel

Traffic Flow direction

The ventilation stack itself can be relocated away from the Substation. It only requires HV cables to be trenched. This will increasing the stack efficiency and reduce the cost of tunnelling under Pennant Hills Road by **Millions**. As the emission ventilation stack is directly above the tunnel exit points.

DRAWING FILE LOCATION \ NAME T:\F3_M2_Tender\CAD\DWG\600_RD_Roads\F3M2-600-DR-RD-0104 [A].dwg		PLOT DATE 21 Nov 2013	TIME 20:02:05	SCALES AT A3 SIZE DRAWING SCALE 1:2000	F3 - M2 LINK	
EXTERNAL REFERENCE FILES		REV A	DATE 22.11.2013	AMENDMENT / REVISION DESCRIPTION ISSUED FOR TENDER	WVR No 001	APPROVAL LT
F3_M2_C33 X_KEY_2000 X_CONTEXT X_CADAST X_PAV_EXIST X_WF_UG X_DES_MATCH X_DES_UG X_CULV_UNDER X_BRG_OVER X_DES_CTRL_UG X_DRN_BASINS X_DRN_GR X_VENT_GR X_FENCE X_NAMES_STR X_DES_TAG X_FRAME_2000 X_DES_L1 X_DES_CTRL_L1 X_LEG_RD X_NOTE_RD_DRG0104		F3-M2 LINK DESIGN JOINT VENTURE		F3-M2 LINK CONSTRUCTION JOINT VENTURE		
				F3 - M2 LINK F3 FREEWAY TO M2 MOTORWAY F3 - M2 LINK TENDER CONFORMING DESIGN ROADWORKS - MAIN ALIGNMENT PLAN - SHEET 4		
ISSUE STATUS D & C TENDER		PROJECT / DRAWING No F3M2-600-DR-RD-0104		ISSUE A		

Our Bedrooms on the 2nd story of the house will be looking straight into the Freeways / Motorways with the cycle way almost running through my back yard. Plus putting up with 4 years worth of earth moving excavations of commotions dust and noise with the house less then 10 - 15 meters away

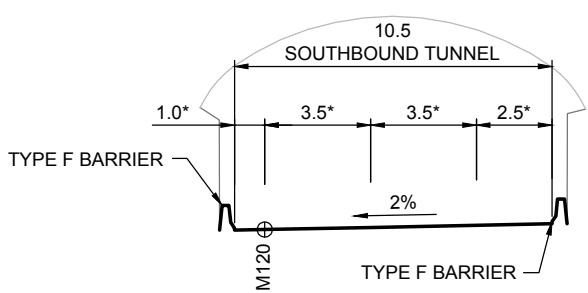


2nd story windows approximately 6 Meter in high

4 + years of continues excavation noise and dust settling on the house, washing, filling up the pool blocking filters, gutters, no privacy and an eye sore while entertaining guests i have spent over **\$300,000 plus and 10 years renovating** this house to enjoy the surroundings. To keep my 4 daughters at home for as long as possible, by having there friends over continuously as to go out.

- * 6 New Bedrooms
- * 4 New bathrooms
- * 2 New fitted out offices
- * New Huge TV cinema room New Surround Sound Hi Fi equipment
- * Newly Excavated under the house to reclaim an Extra 80^m2 area for to build a under house 3 car lock up Garage and an extra 5 off street drive way parking areas.
- * Completely Landscaped Back Yard
- * Built over 200meters of retain walls to lift up and level the back yard
- * New Gutters and Roof
- * 12 Meters of Floor to Ceiling Glass Wall including 3 Meter Glass bifolds to view the current native Flora & Fauna
- * 100M^2 of Pavers on the entertaining area
- * Renovated pool and water fall Glass Pool Fencing
- * New Thermal instillation of high density foam the top story
- * Completely Newly Rendered House
- * Completely Fitted all new widows to the whole House
- * New Imported Window Shutters
- * Completely New Kitchen and Bench tops
- * House completely fitted out with new fittings

The list goes on



100 mm ON ORIGINAL
A3 ORIGINAL
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

DRAWING FILE LOCATION \ NAME T:\F3_M2_Tender\CAD\DWG\600_RD_Roads\F3M2-600-DR-RD-0002_[A].dwg				PLOT DATE 21 Nov 2013	TIME 19:51:12	SCALES AT A3
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	F3-M2 LINK D
	A	22.11.2013	ISSUED FOR TENDER	001	LT	





F3 - M2 LINK

F3 FREEWAY TO M2 MOTORWAY

F3 - M2 LINK TENDER

CONFORMING DESIGN

ROADWORKS - TYPICAL CROSS SECTION

SHEET 2

ISSUE STATUS
D & C TENDER

PROJECT / DRAWING No
F3M2-600-DR-RD-0002

ISSUE
A