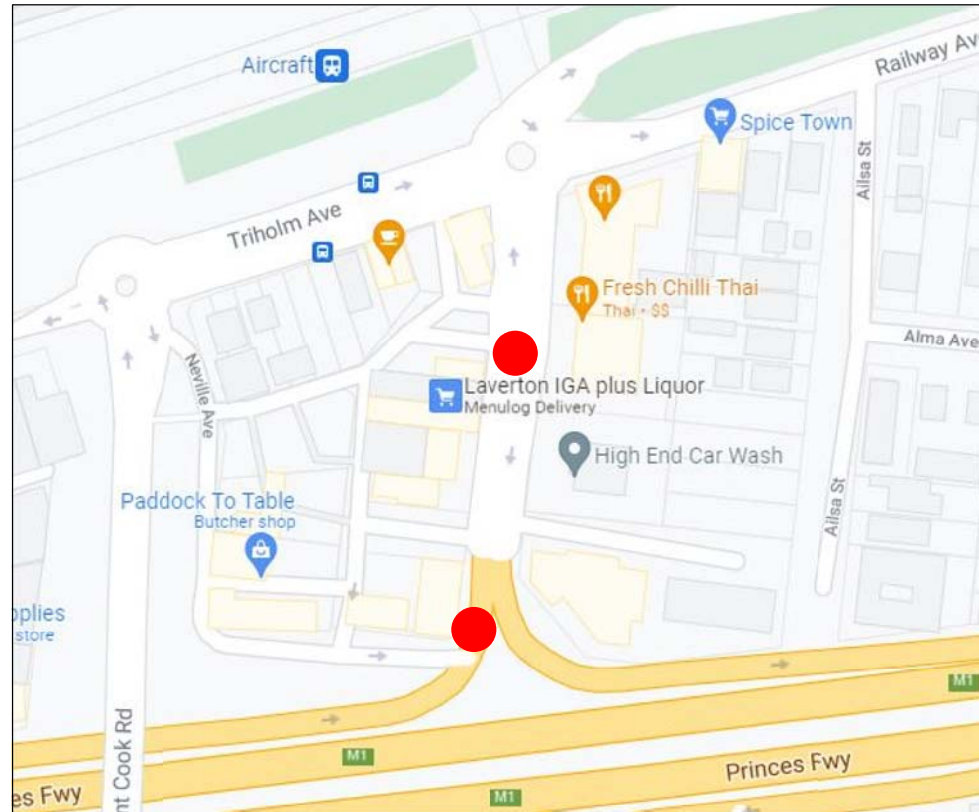


**ISSUED FOR CONSTRUCTION**

SHEET INDEX	
SHEET	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	AVIATION ROAD - LAYOUT
4	AVIATION ROAD - DETAIL

LOCALITY PLAN



**UNDERGROUND SERVICE LEGEND**

WATER MAIN	
SEWER MAIN	
STORM WATER PIPE	
TELSTRA / NBN / COMMS CABLES	
GAS MAIN	
UNDERGROUND ELECTRICITY CABLES	

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SIDE ENTRY PIT		SEAT		VC ROADS COVER
	JUNCTION PIT		PLAQUE		TRAFFIC SIGNAL
	GRATING PIT		GAS VALVE		DETECTOR PIT
	DOWNPIPE		GAS METER		PARKING METER
	PROPERTY DRAIN		ARROW (RIGHT TURN)		TICKET MACHINE
	ELECTRICAL PIT		ARROW (THROUGH)		PARKING SIGN
	ELECTRICAL CABINET		BIKE SYMBOL		SIGN POST
	UP LIGHT		ROAD		TREE
	ELECTRICITY POLE		ROAD (THROUGH)		TREE (DEAD)
	POLE WITH LANTERN		UNKNOWN SERVICE COVER		PALM TREE
	JOINT USE POLE		SEWER COVER		SAPLING
	JOINT USE POLE WITH LANTERN		SEWER VENT		FIRE PLUG
	ELECT POLE WITH TRAFFIC SIGNAL		PERMANENT SURVEY MARK		WATER VALVE
	LIGHT POLE		BENCHMARK		FIRE HYDRANT
	FLAG POLE		STATION		DRINKING FOUNTAIN
	VERANDAH POST		TELSTRA COVER		IRRIGATION VALVE
	BOLLARD		TELSTRA PILLAR		SPRINKLER
	LITTER BIN		TELEPHONE BOX		TAP
	POST BOX				WATER METER
	BIKE RAIL				

**Legend**

**Warning**  
**Beware of Underground Services**  
 The location of underground services shown are approximate only and their exact position should be proven on site

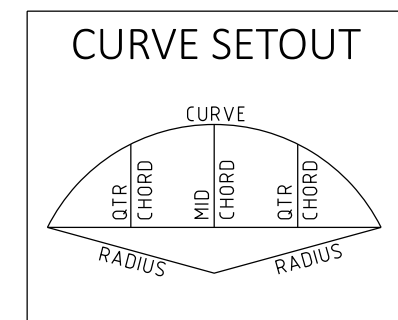
ALL EXISTING TREES ARE TO BE PROTECTED IN ACCORDANCE WITH AS4970-2009 AND SPECIFIC REQUIREMENTS SET BY THE CITY OF HOBSONS BAY'S ARBORIST

**SITE BENCHMARK DETAILS**

POINT	EASTING	NORTHING	R.L.
BM1	303061.650	5806522.518	8.943
BM2	303106.853	5806530.077	8.855
BM3	303123.753	5806523.431	8.931
BM4	303105.868	5806496.467	8.798

**Service Authorities Contacts**

To Report Damage	For Assistance to Locate Assets	
United Energy - 132 099	Melbourne Water - 03 9235 2599	Optus - 1800 505 777
Telstra - 132 203	Yarra Valley Water - 131695	Telstra - 1800 653 935
Multinet Gas - 132 771	United Energy - 03 8544 9209	Multinet Gas - 03 8544 9213



**AVIATION ROAD, LAVERTON  
 LATM TREATMENTS  
 DETAIL DESIGN**

DWG: 21707001A



**SPECIFIC NOTES**

**SITE**

1. PLASTIC MESH FENCING (BARRIER MESH) MUST BE USED TO PROTECT WORKSITE AND ALL APPROPRIATE SIGNS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
2. THE CONTRACTOR IS TO NOTIFY ALL RESIDENTS BY LETTER REGARDING ACCESS RESTRICTIONS TO THEIR PROPERTIES (AT LEAST 24 HOURS IN ADVANCE).
3. IT IS THE CONTRACTORS RESPONSIBILITY TO TRANSFER ANY TBM'S THAT MAY BE AFFECTED BY THE WORKS PRIOR TO THEIR REMOVAL.
4. SETOUT DIMENSIONING AND RADII ARE FROM LIP OF KERB UNLESS OTHERWISE SHOWN.

**EARTHWORKS**

1. THE CONTRACTOR IS TO VERIFY ALL LEVELS WITH THE SUPERVISING ENGINEER PRIOR TO COMMENCING ANY PAVEMENT WORKS.
2. ALL DISTURBED AREAS OUTSIDE THE WORKS ARE TO BE REINSTATED TO MATCH THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
3. REMOVAL OF VEGETATION OR TRIMMING OF TREES IS TO BE DONE UNDER COUNCIL DIRECTION.
4. NO TREE ROOTS GREATER THAN 40mm ARE TO BE CUT BY THE CONTRACTOR. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM THE SUPERVISING ENGINEER TO REMOVE TREE ROOTS GREATER THAN 40mm.
5. THE CONTRACTOR SHALL NOT CAUSE ANY DAMAGE TO TREE BRANCHES OR TREE TRUNKS.
6. BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 CRUSHED CONCRETE.

**DRAINAGE**

1. ALL DRAINAGE WORKS TO BE TO AS3500
2. ALL REINFORCED CONCRETE DRAINAGE TO BE RUBBER RING JOINTED AND CLASS 2, UNLESS SPECIFIED OTHERWISE.
3. ALL UPVC PIPES SHALL BE SN10 FOR DIA 100 AND SN8 FOR DIA 150 OR GREATER. UNLESS SPECIFIED OTHERWISE
4. ALL PITS OVER 1.0m DEPTH TO BE FITTED WITH STEP IRONS.
5. ALL PITS TO HAVE FORMED BASES TO ALLOW SMOOTH FLOWS THROUGH PITS.
6. ALL DRAINAGE PIPES TO BE LAID TRUE TO LINE AND GRADE ON MIN 100mm OF 20mm CLASS 2 CRUSHED CONCRETE BEDDING.
7. ALL DRAINAGE TRENCHES IN ROADWAY TO BE BACKFILLED WITH 20mm CLASS 2 CRUSHED CONCRETE AND REINSTATED WITH 2 NO. LAYERS (35mm THICK) OF SIZE 10mm TYPE H (32.0) ASPHALT

**SERVICING**

1. THE LOCATION OF ALL EXISTING SERVICES IS BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SERVICES BEFORE COMMENCING WORKS AND PROTECT THE SAME FOR THE DURATION OF THE WORKS.
2. BACKFILL ALL TRENCHES BENEATH ROAD PAVEMENT AND VEHICLE CROSSINGS WITH CLASS 2 CRUSHED CONCRETE.
3. CONTRACTOR TO TAKE CARE WHEN WORKING AROUND THE VARIOUS EXISTING WATER MAIN AS EXACT POSITION IS NOT NECESSARILY AS SHOWN ON PLANS.
4. "NO GO ZONES" TO BE ADHERED TO FOR ALL EXISTING SERVICES WHEN WORKING AROUND OR UNDER THEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE RELEVANT SERVICE PROVIDER AS TO CLEARANCES.

**MISCELLANEOUS**

1. THE LOCATION OF ALL EXISTING SIGNS ARE TO BE RECORDED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER.
2. ALL LINE MARKING IS TO BE REINSTATED IN ORIGINAL POSITION WHERE DISTURBED OR REMOVED BY CONCRETE PAVEMENT AND OR ASPHALT REPLACEMENT UNLESS OTHERWISE SHOWN.
3. REMOVE EXIST. VEHICLE CROSSINGS RAMPS AND RECONSTRUCT TO COUNCIL STANDARDS AND DETAILS SHOWN
4. ALL EXISTING HOUSE DRAINS AS SHOWN ON THE PLANS ARE TO BE SHALL BE CONNECTED TO THE UNDERGROUND DRAINAGE SYSTEM UNLESS OTHERWISE DIRECTED BY THE SUPERVISING ENGINEER IN ACCORDANCE WITH STANDARD - S121 AT A MINIMUM GRADE OF 1:100. INSPECTION OPENING TO BE PLACED OUTSIDE CONCRETE PATH UNLESS OTHERWISE SPECIFIED. NOT ALL HOUSE WATER DRAINS MAY BE SHOWN, CONTRACTOR TO CHECK DURING CONSTRUCTION AND CONNECT ACCORDINGLY.

**GENERAL NOTES**

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH HOBSONS BAY CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS UNLESS SPECIFIED OTHERWISE.
2. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND DEPTHS PRIOR TO THE COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT OF ANY REQUIRED ALTERATIONS. THE LOCATION OF ALL EXISTING SERVICES IS BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL SERVICES BEFORE COMMENCING WORKS AND PROTECT THE SAME FOR THE DURATION OF THE WORKS.
3. ALLWORK PRACTICES SHALL COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND ALL RELEVANT REGULATIONS AND CODES OF PRACTICE. (INPARTICULAR THE CODE OF PRACTICE FORSAFETY PRECAUTIONS IN TRENCHING OPERATIONS).
4. WORKSAFE VICTORIA IS TO BE INFORMED FOR TRENCHING OPERATIONS WHERE THE DEPTH IS GREATER THAN 1.5M.
5. THE CONTRACTOR SHALL STRICTLY COMPLY WITH "NO GO ZONE" CLEARANCE REQUIREMENTS WHEN WORKING WITHIN THE VICINITY OF OVERHEAD ELECTRICAL ASSETS/CABLES. FOR ANY OPERATION WHICH ENCLOSES ON THE 3.0M "NO GO ZONE", THE CONTRACTOR SHALL OBTAIN A WRITTEN PERMIT TO WORK FROM WORKSAFE. FOR FURTHER INFORMATION ON "NO GO ZONE" CLEARANCE REQUIREMENTS, REFER TO CURRENT WORKSAFE VICTORIA PUBLICATIONS (WWW.WORKSAFE.VIC.GOV.AU)
6. ALL CONCRETE SHALL BE SAWCUT TO THE NEAREST JOINT UNLESS SPECIFIED OTHERWISE.
7. ALL SERVICE COVERS WITH THE LIMIT OF WORKS SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS UNLESS OTHERWISE NOTED.
8. NO TREES SHALL BE REMOVED UNLESS AUTHORISED BY HOBSONS BAY CITY COUNCIL.
9. ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED TO A MINIMUM DEPTH OF 100mm. NATURE STRIPS SHALL BE GRADED EVENLY FROM THE TOP OF KERB TO THE FRONT OF PATH OR AS DIRECTED BY COUNCILS SUPERINTENDANT. DISTURBED AREAS OUTSIDE THE WORKS ARE TO BE REINSTATED TO MATCH THE EXISTING CONDITIONS.
10. SITE EROSION CONTROL AND MINIMISATION MEASURES SHALL BE ADOPTED AT ALL TIMES IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AUTHORITY'S ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES.
11. TRAFFIC MANAGEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE ROAD MANAGEMENT ACT 2004 AND AS1742.3. ALL SIGNAGE (TEMPORARY AND PERMANENT) SHALL BE CLASS 1 REFLECTIVE GRADE.
12. ALL CONCRETE TO HAVE COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 25 MPa.
13. MATERIAL SHALL NOT BE STOCKPILED WITHIN THE DRIP LINE OF TREES.
14. NO TREE ROOTS GREATER THAN DIA 40mm ARE TO BE CUT BY THE CONTRACTOR. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM THE SUPERVISING ENGINEER TO REMOVE TREE ROOTS GREATER THAN DIA 40mm.
15. THE CONTRACTOR SHALL NOT CAUSE ANY DAMAGE TO TREE BRANCHES OR TREE TRUNKS GREATER THAN Ø40mm.
16. THE REMOVAL OF TREES, WHICH INCLUDES ALL ROOT MATTER PARTICULARLY IN PROPOSED PAVEMENT AREAS, SHALL BE BACKFILLED IN 200mm LAYERS WITH FILL CONSISTENT TO SITE SOIL CLASSIFICATION OR ROAD BASE MATERIAL CLASSIFICATION AND COMPACTED TO ROAD SUB-BASE SPECIFICATIONS.
17. PLASTIC MESH FENCING (BARRIER MESH) AND APPROPRIATE SIGNAGE MUST BE USED TO PROTECT WORKSITE TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
18. ALL EXISTING SIGNS REMOVED TO MAKE WAY FOR THE WORKS ARE TO BE REINSTATED TO ORIGINAL POSITION OR TO A LOCATION AS DIRECTED BY SUPERVISING ENGINEER.
19. REMOVAL OF VEGETATION OTHER THAN IS SHOWN ON THE PLAN MUST BE APPROVED BY COUNCIL PRIOR TO REMOVAL.
20. AN APPROVED COPY OF THE PLANS AND SPECIFICATIONS SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING CONSTRUCTION.
21. ALL LINEMARKING TO BE IN ACCORDANCE WITH AS1742.1. INSTALL LONGLIFE THERMOPLASTIC ON ASPHALT SURFACE AND COLD-APPLIED PLASTIC ON CONCRETE SURFACES IN ACCORDANCE WITH VICROADS SECTION 721.
22. GLASS BEADS ON COLD-APPLIED PLASTIC TO BE TYPE DHR 70% ROUND 30% BROKEN GLASS ANTI-SKID. ACCEPTABLE MANUFACTURERS INCLUDE VISIMAX AC07 ANTISKID OR APPROVED EQUAL.
23. HIGH VISIBILITY TREATMENTS  
 - ALL SURFACES MUST BE CLEANED. METAL SURFACES MUST BE PRIMED ALSO.  
 - PAINT "TAUBMANS ENDURE EXTERIOR PAINT" OR APPROVED EQUAL.  
 - COATING "CRC REFLECTIVE SPRAY PAINT" OR APPROVED EQUAL.

**SEDIMENT CONTROL**

1. CONTRACTORS SHALL ENSURE THAT ALL WORKS COMPLY WITH THE REQUIREMENTS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL"-EPA PUBLICATION NO. 275.
2. CONTRACTORS SHALL INSTALL MEASURES TO ENSURE ANY SEDIMENT OR LITTER GENERATED AS A RESULT OF THE WORKS IS CONTAINED ON THE SITE. THESE MEASURES SHALL INCLUDE DEVICES SUCH AS SILT FENCES WHICH ARE TO BE LOCATED AT ALL SOURCES OF SEDIMENT SUCH AS EARTHWORKS STOCKPILED, ENDS OF PATH EXCAVATION, DRAINAGE OUTLETS ETC.
3. CONTRACTORS SHALL ENSURE THAT VEHICLES ASSOCIATED WITH THE WORKS DO NOT DEPOSIT DIRT OR RUBBISH ONTO ROADS. ANY MATERIAL DEPOSITED SHALL BE PROMPTLY CLEANED UP WITHOUT CONTAMINATING ANY WATERWAYS.
4. THE CONTRACTORS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL SEDIMENT AND LITTER CONTROL DEVICES THROUGHOUT THE DURATION OF THE PROJECT AND THE CONTRACT MAINTENANCE PERIOD.

A	02/09/22	ISSUED FOR CONSTRUCTION	BV
ISSUE	DATE	AMENDMENTS	BY

**ISSUED FOR CONSTRUCTION**

NOTES:



• Traffic Planning • Transport Planning  
 • Traffic Engineering • Road Safety

SUITE 2.03, 789 TOORAK ROAD  
 HAWTHORN EAST, VIC, 3123  
 P: +613 9804 3610  
 W: obrientraffic.com

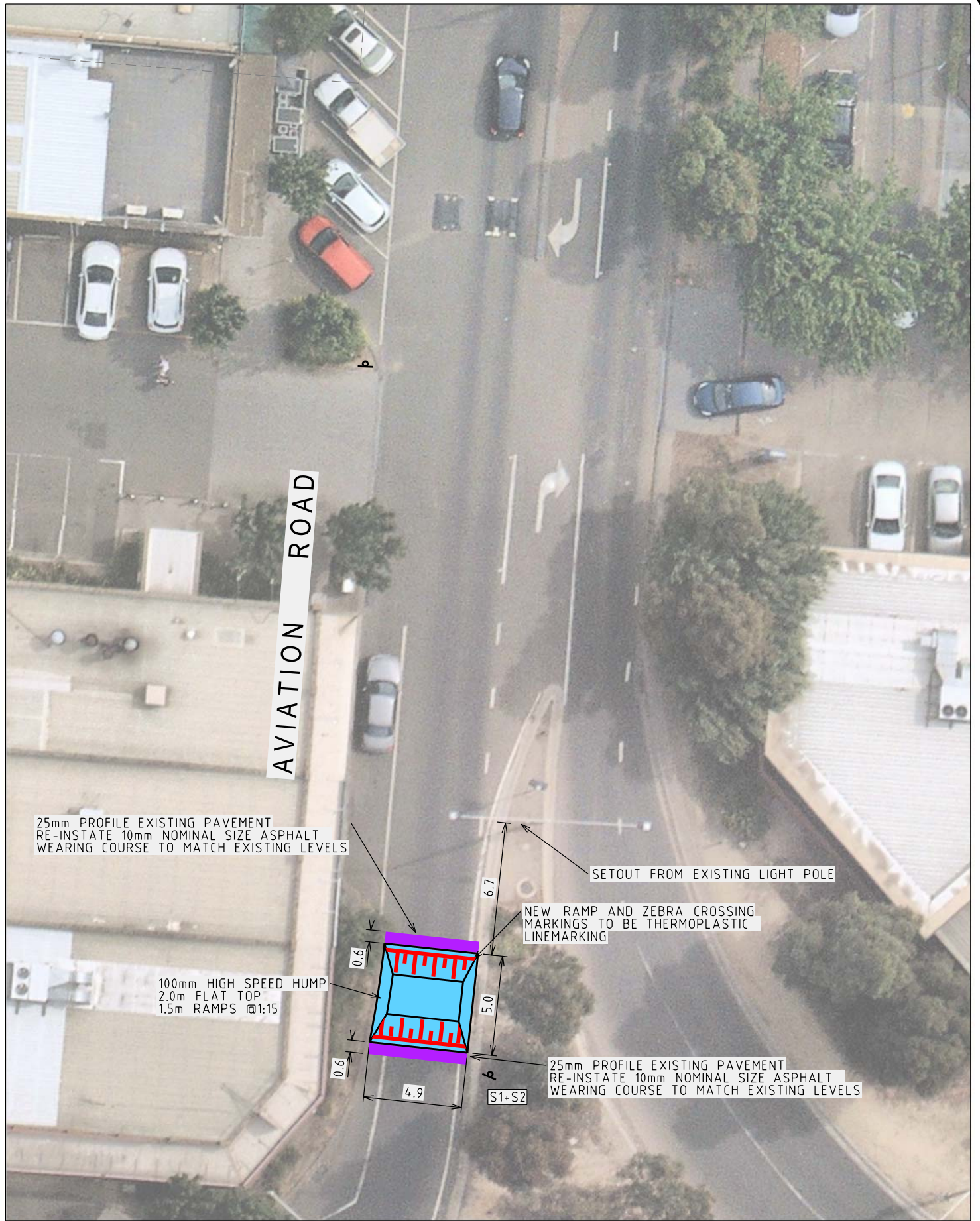
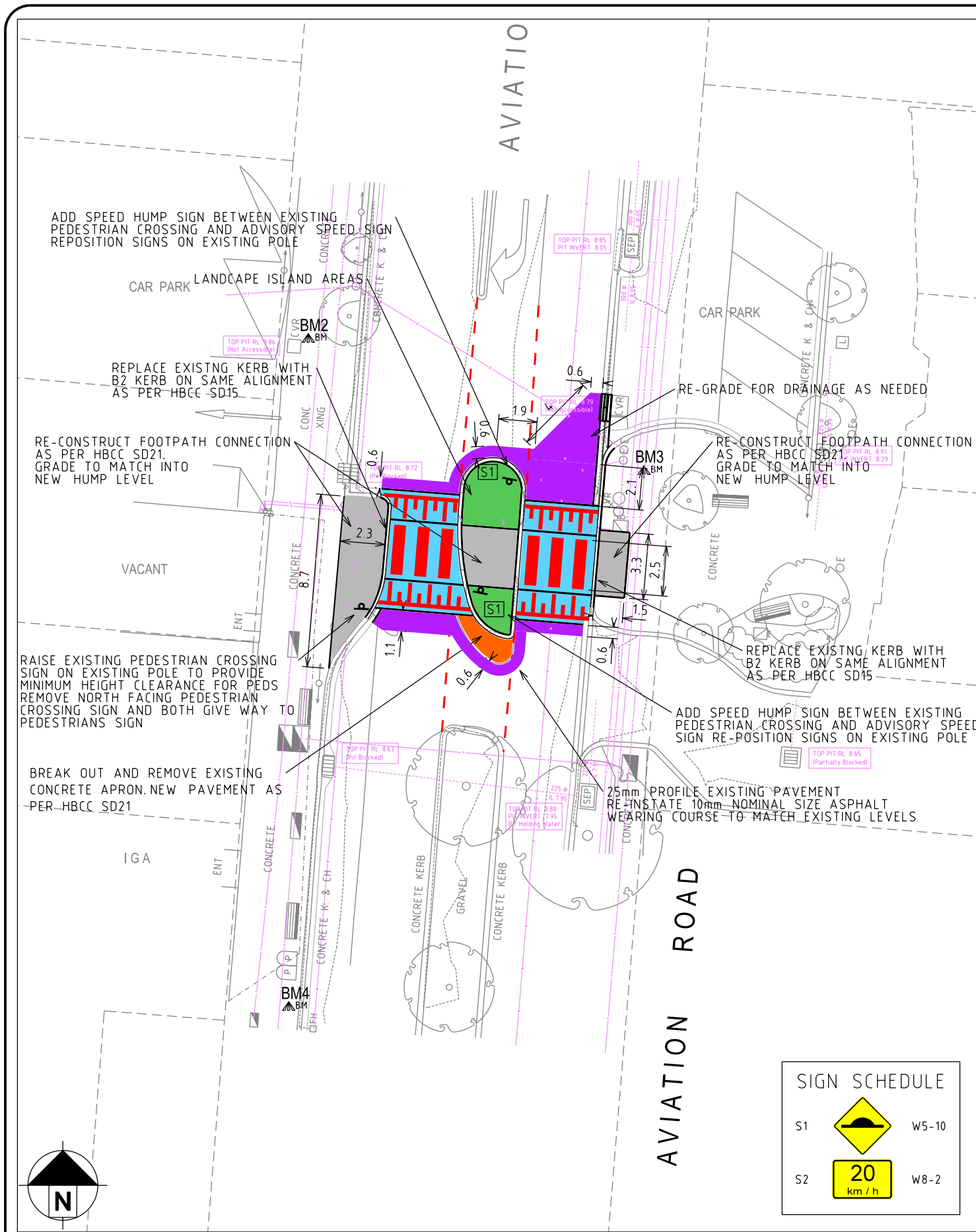
ENGINEER: <b>M.HARRIDGE</b>	DRAWING NO: <b>21707001A</b>
DESIGNED BY: <b>B.VANDERWERF</b>	SHEET NO: <b>2 OF 4</b>
DATE: <b>02/09/2022</b>	JOB NO: <b>21707</b>
	SCALE: <b>1:250</b>
Hor. Scale Ver.	0 2.5 5
ORIGINAL: <b>A3</b>	ISSUE: <b>A</b>

**AVIATION ROAD, LAVERTON**

**PROPOSED LATM WORKS**

**GENERAL NOTES**





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**ISSUED FOR CONSTRUCTION**

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ENGINEER: <b>M.HARRDIGE</b>	DRAWING NO: <b>21707001A</b>
DESIGNED BY: <b>B.VANDERWERF</b>	SHEET NO: <b>3 OF 4</b>
DATE: <b>02/09/2022</b>	JOB NO: <b>21707</b>
SCALE: <b>1:250</b>	ORIGINAL: ISSUE: <b>A3 A</b>

**AVIATION ROAD, LAVERTON**  
**PROPOSED LATM TREATMENTS**  
**PROPOSED LAYOUTS**



CAR PARK

CAR PARK

VACANT

TOP PIT RL 8.86  
(Not Accessible)

EX RL8.78  
TOP PIT RL 8.79  
(Not Accessible)

EX RL8.82  
TOP PIT RL 8.72  
(Pit Blocked)

TOP PIT RL  
PIT INVERT

RAISE EXISTING PIT LEVEL TO  
MATCH NEW FOOTPATH LEVEL

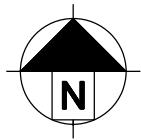
RAISE EXISTING PIT LEVEL TO  
MATCH NEW FOOTPATH LEVEL

MATCH PATH INTO NEW  
RAISED PAVEMENT LEVEL

MATCH PATH INTO NEW  
RAISED PAVEMENT LEVEL

NEW KERB TO BE ON SAME ALIGNMENT  
AND LIP LEVELS AS EXISTING

NEW KERB TO BE ON SAME ALIGNMENT  
AND LIP LEVELS AS EXISTING



TOP PIT RL 8.63  
(Pit Blocked)

TOP PIT RL 8.65  
(Partially Blocked)

ISSUE	DATE	AMENDMENTS	BY
A	02/09/22	ISSUED FOR CONSTRUCTION	BV

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DATE: <b>02/09/2022</b>	JOB NO: <b>21707</b>
SCALE: <b>1:100</b>	ORIGINAL ISSUE: <b>A3 A</b>

**AVIATION ROAD, LAVERTON**  
**PROPOSED LATM TREATMENTS**  
**LAYOUT DETAIL**