

CYCLEWAY NOTES

1. CONCRETE STRENGTH

- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPa @ 28 DAYS
- B) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP): 40 MPa WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).
- C) FOR COLOURED OR DECORATIVE CONCRETE FINISHES A MINIMUM OF 32-MPA CONCRETE SHOULD BE USED FOR ALL TRAFFIC

2. CONCRETE FINISH

- A) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS - BROOM/BRUSH.

B) REINFORCEMENT

- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT

- A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
- B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- C) EXPANSION JOINTS (REINFORCED CONCRETE): 10MM APPROVED BITUMEN FILLER AT 12M INTERVALS, WITH 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG - MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. CONNELLY JOINTS OR EQUIVALENT MAY BE USED. ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPREAD RELEVANT TO EACH OTHER.
- D) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
- E) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
- F) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) - NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. KERB RAMPS

- A) SEE STANDARD PLAN F4.
- B) AT SIGNALISED CROSSINGS, THE RAMP SHALL BE NO MORE THAN 600MM FROM THE SIGNAL PUSH BUTTON.
- C) ALL KERB RAMPS SHALL ALIGN WITH RAMPS ON THE OPPOSITE SIDE OF THE ROAD AND AT ANY CENTRAL TRAFFIC ISLAND.
- D) AT KERB RETURNS, SEPARATE KERB RAMPS SHALL BE PROVIDED FOR EACH DIRECTION OF PEDESTRIAN TRAVEL, EXCEPT WHERE DIRECTED BY THE COUNCIL ENGINEER.

6. EXCAVATION

- A) AT ALL JOINTS TO EXISTING CONCRETE/ASPHALT - THE JOINT SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE

- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT

- A) SHALL BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
- B) AC TO RMS SPECIFICATION: R116.

9. UTILITIES, SERVICES & SURVEY MARKS

- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) - SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION

- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED, USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, OR AS SPECIFIED BY THE COUNCIL ENGINEER.

11. SIGNAGE AND LINEMARKING

- A) ALL EXISTING SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V-LOK.
- C) SIGNAGE AND LINEMARKING SHALL COMPLY WITH NSW BICYCLE GUIDELINES, OR AS ADVISED BY COUNCIL.
- D) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS - CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

12. RESIDENT NOTIFICATION

- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

13. SAFETY/SIGNAGE/ACCESS

- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS - PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS

- A) ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

15. GENERAL

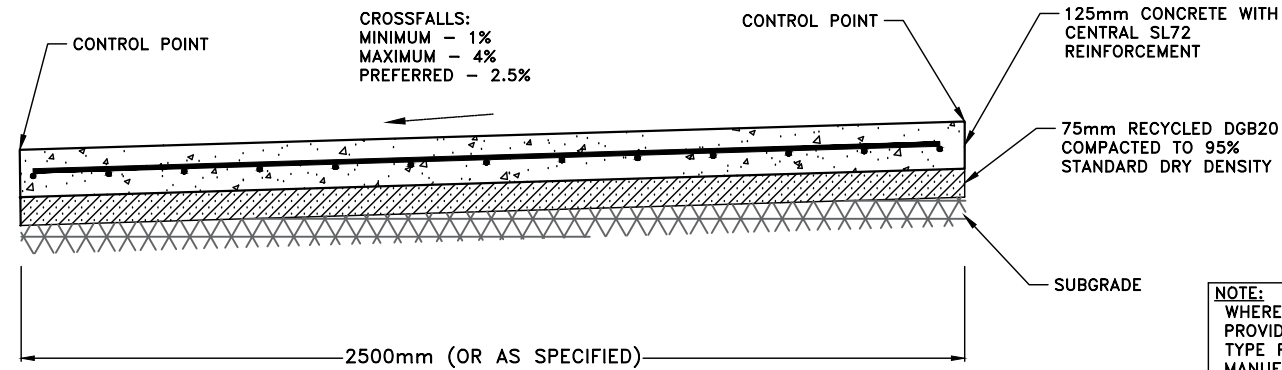
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
- C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY

- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

17. INSPECTIONS

- A) INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:
 - A) EXCAVATION COMPLETED, ROAD BASE COMPACTED AND SUBGRADE PREPARED.
 - B) FORM WORK AND REINFORCEMENT SET.
 - C) CONCRETE POURED AND CURED.
 - D) COMPLETED.

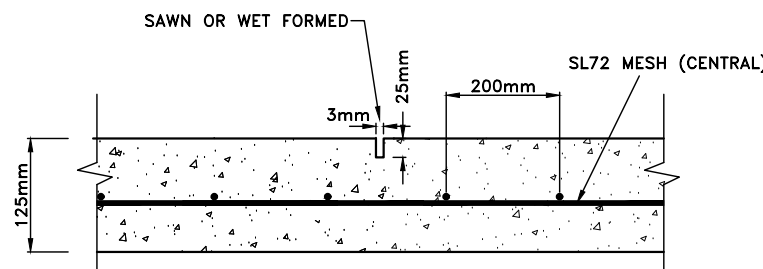


TYPICAL CYCLEWAY SECTION

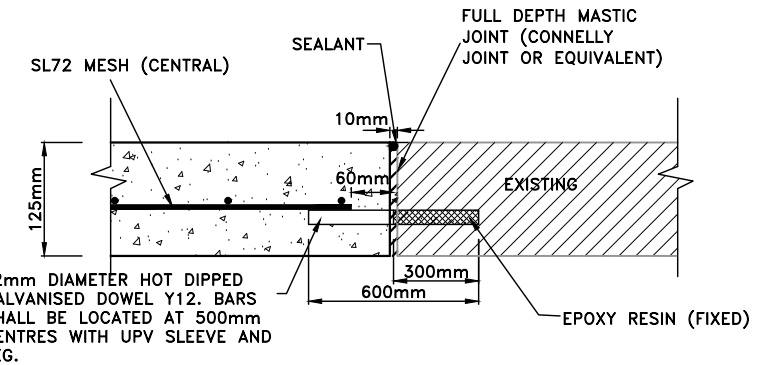
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NOTE: WHERE NEW TREES ARE INSTALLED - PROVIDE TREE ROOT BARRIER SURE GRO TYPE RB600H OR SIMILAR APPROVED TO MANUFACTURERS SPECIFICATION.

NB: EXPANSION JOINTS: CAN BE REPLACED WITH CONNELLY OR DANLEY EXPANSION JOINTS, OR APPROVED SIMILAR.



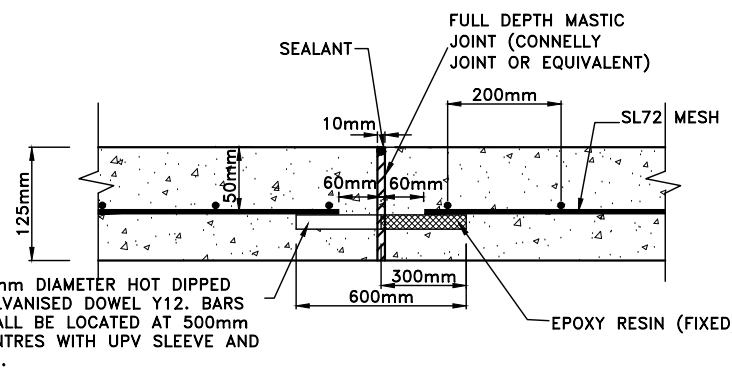
DUMMY JOINT (D.J)



EXPANSION JOINT B (E.J-B)

(FOR NEW TO EXISTING SLABS)

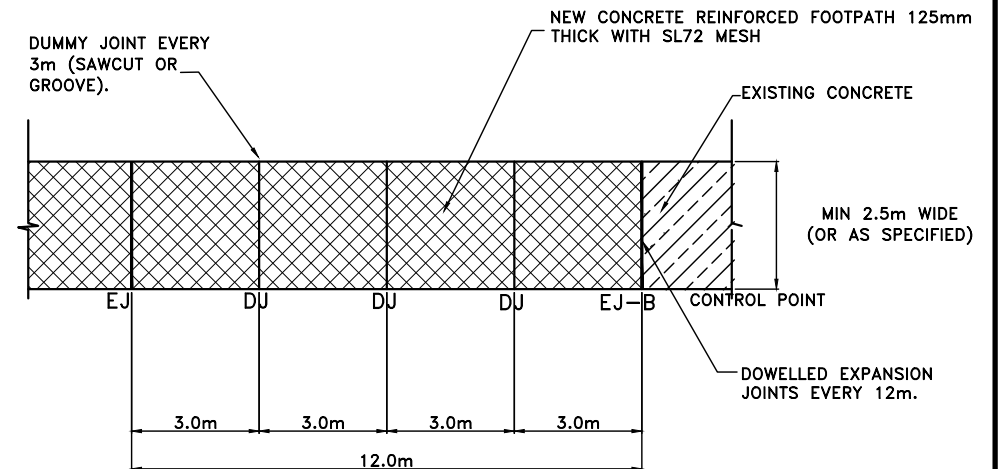
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TYPICAL EXPANSION JOINT & DOWELLED (E.J.)

(FOR NEW TO NEW SLABS)

NOT TO SCALE



REINFORCED CONCRETE CYCLEWAY

NOT TO SCALE

EJ - EXPANSION JOINT
DJ - CONSTRUCTION/DUMMY JOINT

NOTE
DUMMY (CONTROL) JOINTS TO BE PLACED AT MAX 1.5 TIMES THE WIDTH OF FOOTPATH AND AT MAX 3.0m DISTANCE.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.	SERVICES	DATUM	FILE NO.	SHEET NO.
	DESIGNED PG/DJT MAY 2019			R.T.A.	TELECOM/OPTUS	A. H. D.		
	DRAWN PG/DJT MAY 2019			A.G.L. / SHELL PIPELINES	GAS			
APPROVED FOR CONSTRUCTION				SYDNEY WATER	SEWER			
				TELSTRA / OPTUS	WATER	NTS		
				SYDNEY ELECTRICITY	RAILWAY			
				NOTICE OF ENTRY	ELEC. CABLES			
				KERB & GUTTER	OIL PIPELINES			
				NOTICES	STORM WATER			
				DATE				

INNER WEST COUNCIL

**STANDARD CYCLEWAY DRAWING
TYPICAL DETAILS AND SECTIONS**

FILE NO.	SHEET NO.
PLAN NO.	C1
VERSION	V1