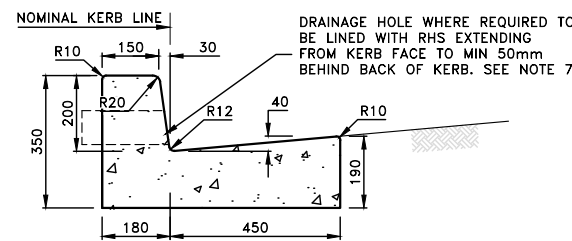


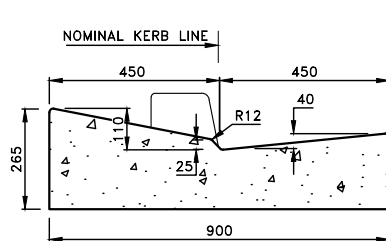
150mm INTEGRAL KERB & GUTTER

NOT TO SCALE



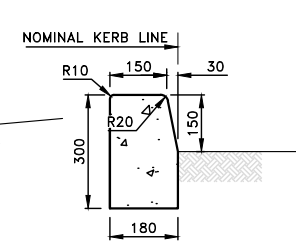
200mm INTEGRAL KERB & GUTTER

NOT TO SCALE



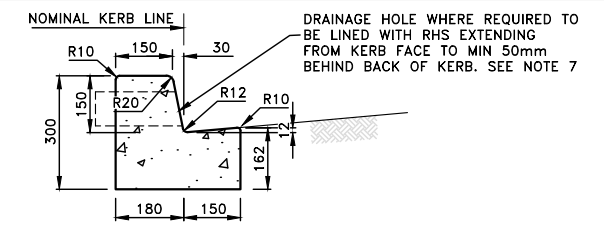
DRIVEWAY LAYBACK

NOT TO SCALE



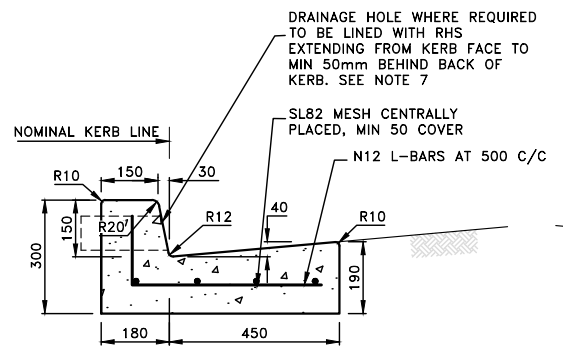
KERB ONLY

NOT TO SCALE



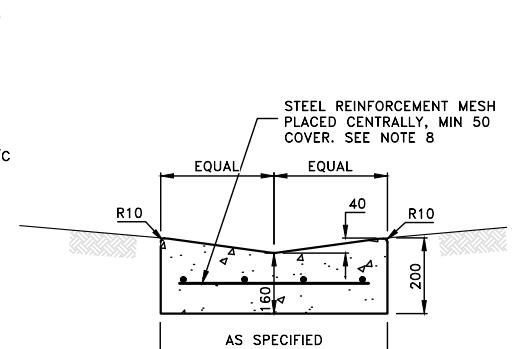
150mm INTEGRAL KERB & 150mm GUTTER

NOT TO SCALE



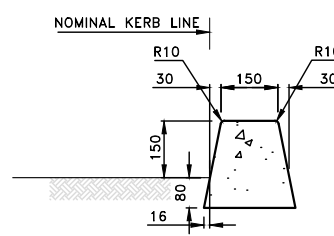
150mm INTEGRAL REINFORCED KERB & GUTTER

NOT TO SCALE



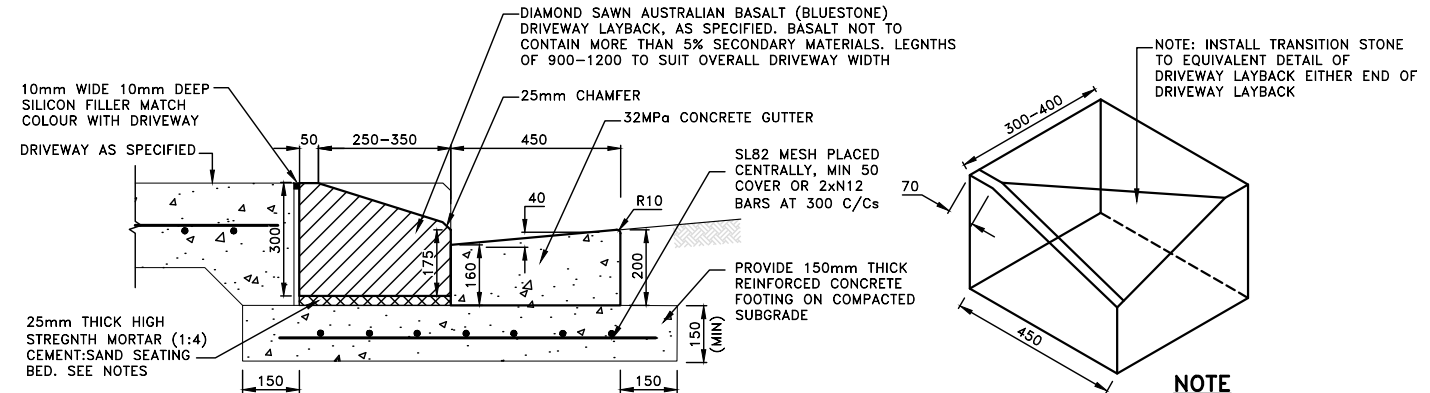
REINFORCED DISH CROSSING

NOT TO SCALE



BARRIER KERB-TYPE 1 (KEYED IN)

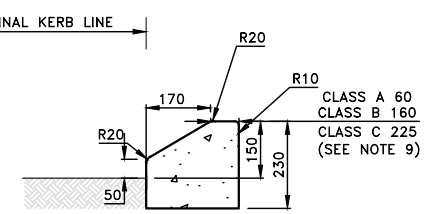
NOT TO SCALE



BLUESTONE DRIVEWAY LAYBACK

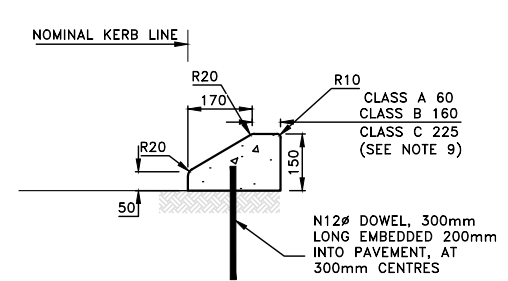
NOT TO SCALE

NOTE
ANY CONSTRUCTION WITHIN THE PUBLIC DOMAIN REQUIRES COUNCIL APPROVAL. NON-APPROVED WORKS AND STRUCTURES MAY BE REQUIRED TO BE REMOVED AND THE EXISTING REINSTATED AT THE CONTRACTORS OR DEVELOPERS COST.



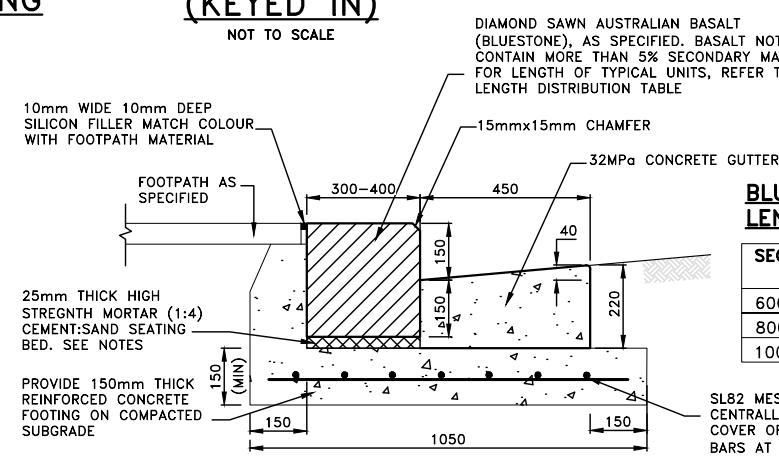
MOUNTABLE KERB-TYPE 1 (KEYED IN)

NOT TO SCALE



MOUNTABLE KERB-TYPE 2 (DOWELED)

NOT TO SCALE



BLUESTONE KERB & CONCRETE GUTTER DETAILS

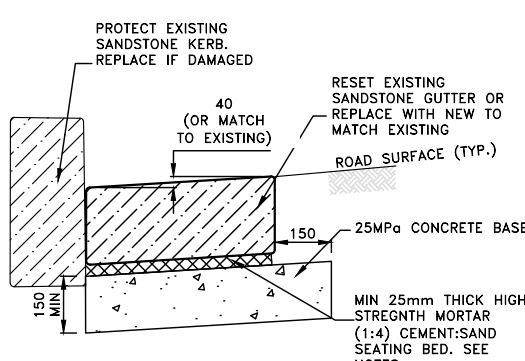
NOT TO SCALE

BLUESTONE KERB UNITS LENGTH DISTRIBUTION TABLE

SEGMENT LENGTH	% OF TOTAL LENGTH OF WORK
600 - 800 (mm)	20 MAX
800 - 1000 (mm)	25 MAX
1000 - 1250 (mm)	55 MIN

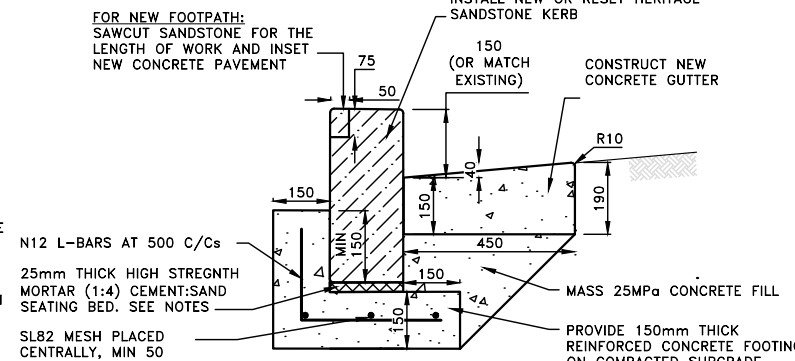
NOTES

- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - DESIGN AND CONSTRUCTION OF WORKS INCLUDING KERBS, GUTTERS, VEHICULAR CROSSINGS, KERB RAMPS, STORMWATER INFRASTRUCTURE, AND THE LIKE, ON STATE ROADS TO BE APPROVED BY TNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
 - ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
 - CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING, LAYBACKS, VEHICULAR CROSSINGS AND MISCELLANEOUS KERBING AND EDGE STRIP.
 - ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL.
 - CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
 - PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
 - CLASS A (L/D) RESIDENTIAL DRIVEWAYS 100mm THICK / SL72 MESH
-CLASS B (H/D) MEDIUM DENSITY (VILLAS/TOWNHOUSES) 150mm THICK / SL82 MESH
-CLASS C COMMERCIAL & INDUSTRIAL 200mm THICK / SL102 MESH
 - CLASS A RESIDENTIAL USE
-CLASS B GARDEN BEDS
-CLASS C MEDIUM DENSITY (VILLAS/TOWNHOUSES), COMMERCIAL & INDUSTRIAL ZONES
 - THE CONCRETE IS TO USE TYPE A PORTLAND CEMENT AND IS NOT TO BE ARTIFICIALLY COLOURED, STENCILED, STAMPED OR PATTERNED.
 - ALL REINFORCEMENT TO BE HOT DIP GALVANISED TO AS4671 WITH MINIMUM 50 COVER.
 - RE-SHEET MINIMUM 600mm WIDTH OF DEEP LIFT PAVEMENT AND A FURTHER 150mm WIDTH OF AC10 WEARING COARSE ADJACENT NEW KERB, GUTTER, DISH CROSSINGS OR LAYBACKS. REFER TO STANDARD DETAIL R6 FOR FURTHER DETAIL.
 - EXCAVATION SHALL BE SAWN ALONG ALL EDGES.
 - CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.
 - COUNCIL'S DELEGATE TO INSPECT FOR ALL UNSOUND AREAS BEFORE PROFILING AC PAVEMENT AND AFTER PROOF ROLLING. WEAK SECTIONS ARE TO BE IDENTIFIED AND HEAVY-PATCHED TO A NOMINAL THICKNESS OF 150mm WITH AC28 BEFORE RESEALING IN ACCORDANCE TO TYPICAL CROSS-SECTION.
 - UNLESS SPECIFIED, OVERLAY TO CONSIST OF 50mm THICK AC10.
 - UNLESS SPECIFIED, CRACK SEALANT FOR FLEXIBLE PAVEMENT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
 - UNLESS SPECIFIED, CRACK SEALANT FOR RIGID PAVEMENT TO BE "DOW CORNING 888" OR APPROVED EQUIVALENT.
 - UNLESS SPECIFIED, MORTAR BED TO BE MIN 25mm HIGH STRENGTH (1:4) CEMENT:SAND WITH LATEX ADDITIVE TO INCREASE BOND STRENGTH AND COMPRESSIVE STRENGTH.
 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. DO NOT CONTINUE UNTIL APPROVAL RECEIVED FROM COUNCIL DELEGATE.
- ROAD PAVEMENT**
- SUBGRADE TRIMMED AND CONSOLIDATED PRIOR TO FIRST PAVEMENT COURSE. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - EACH PAVEMENT LAYER SPREAD AND COMPACTED. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - PAVEMENT COMPLETED PRIOR TO SEALING.
- CONCRETE WORKS**
- SUBGRADE TRIMMED AND CONSOLIDATED.
 - EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
 - CONCRETE FORMED AND CURED.
- CONTRACTOR TO SUPPLY AND LAY TURF TO AREA AFFECTED BY PROPOSED WORKS OR AS DIRECTED BY THE COUNCIL DELEGATE.
 - THE SPECIES OF TURF TO BE "SOFT LEAF SHADEMASTER BUFFALO" UNLESS DIRECTED OTHERWISE
 - THE TURF SHOULD BE PLACED ON A MINIMUM 100mm DEEP LAYER OF IMPORTED TURF UNDERLAY TOPSOIL
 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
 - FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
 - MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



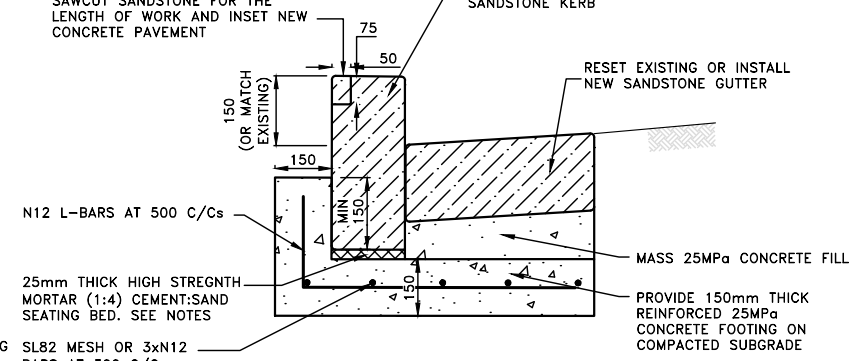
SANDSTONE GUTTER RESETTING DETAIL

NOT TO SCALE



SANDSTONE KERB RESETTING DETAIL (WITH CONCRETE GUTTER)

NOT TO SCALE

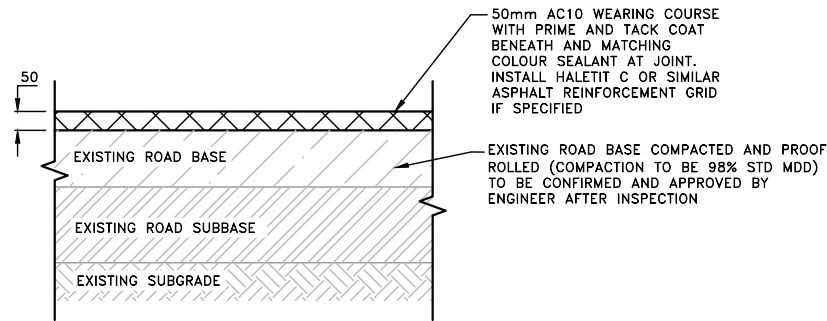


SANDSTONE KERB RESETTING DETAIL (WITH SANDSTONE GUTTER)

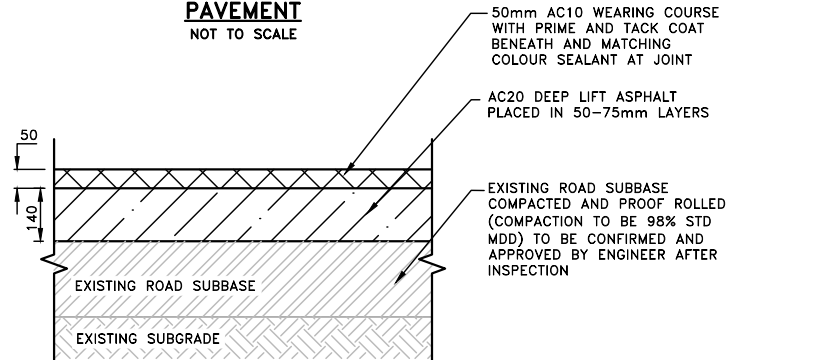
NOT TO SCALE

ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ						

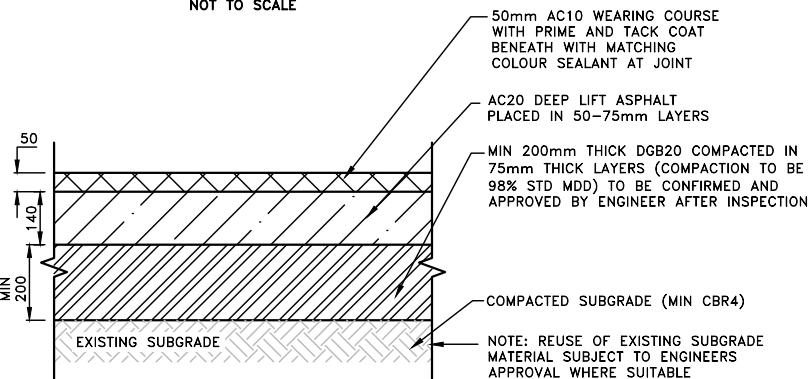
SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A	CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel. (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au	APPROVED:	Project Name:	PROJ No:
		DATE SIGNED:	STANDARD DRAWING - ROADS - R1	WC STD DRW
		SCALE AS SHOWN @ A3:	Drawing Title:	TRIM No:
		PLAN:	KERB PROFILES	XXXX
		LONG-SECTION VERT: - CROSS-SECTION VERT: -		Drawing No:
				R1
				Issue:
				A



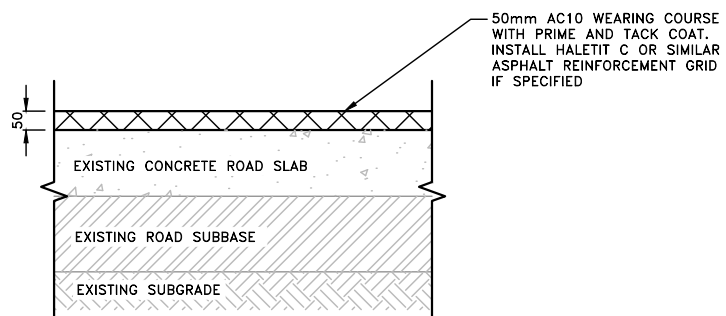
MILL AND RESHEET-FLEXIBLE PAVEMENT
NOT TO SCALE



HEAVY PATCHING - FLEXIBLE ROAD PAVEMENT TYPE 1
NOT TO SCALE



HEAVY PATCHING - FLEXIBLE ROAD PAVEMENT TYPE 2
NOT TO SCALE

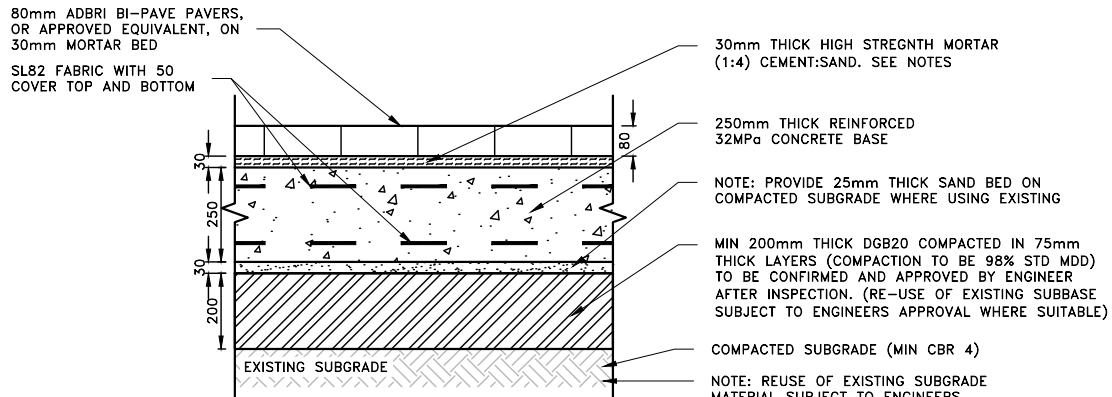


ASPHALT OVERLAY OVER EXISTING RIGID PAVEMENT
NOT TO SCALE

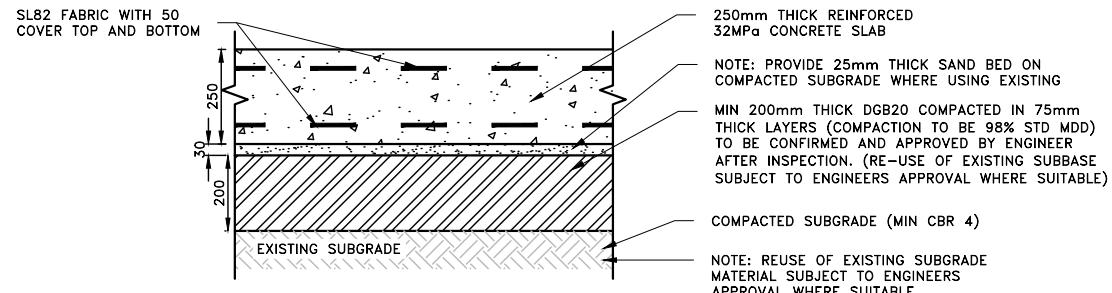
NOTE
REFER TO COUNCIL STANDARD DRAWING R5 - TYPICAL CONCRETE ROAD SLAB FOR CONCRETE ROAD PAVEMENT DETAILS INCLUDING JOINT DETAILS

NOTE
REFER TO COUNCIL PUBLIC DOMAIN TECHNICAL MANUAL FOR TYPICAL FOOTPATH PAVEMENT PROFILES AND JOINT DETAILS

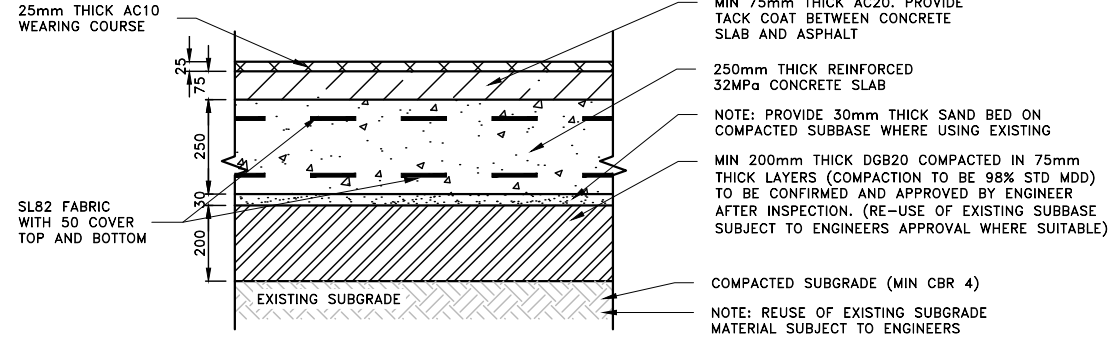
NOTE
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TRAFFICABLE PAVERS ON CONCRETE BASE
NOT TO SCALE



REINFORCED CONCRETE PAVEMENT FOR CONTINUOUS FOOTPATH TREATMENTS OR RAISED WOMBAT CROSSINGS
NOT TO SCALE



ASPHALT ON CONCRETE SLAB FOR CONTINUOUS FOOTPATH TREATMENT OR RAISED WOMBAT CROSSING
NOT TO SCALE

NOTES

- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
- DESIGN AND CONSTRUCTION OF WORKS INCLUDING KERBS, GUTTERS, VEHICULAR CROSSINGS, KERB RAMPS, STORMWATER INFRASTRUCTURE, AND THE LIKE, ON STATE ROADS TO BE APPROVED BY TNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
- ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
- CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING, LAYBACKS, VEHICULAR CROSSINGS AND MISCELLANEOUS KERBING AND EDGE STRIP.
- ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL. CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
- CONCRETE PAVEMENT TO INCORPORATE SUITABLE JOINTING PATTERN. MAXIMUM CROSSOVER LENGTH BETWEEN EXPANSION JOINTS TO BE 6m.
- PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
- CLASS A (L/D) RESIDENTIAL DRIVEWAYS 100mm THICK / SL72 MESH
-CLASS B (H/D) MEDIUM DENSITY (VILLAS/TOWNHOUSES) 150mm THICK / SL82 MESH
-CLASS C COMMERCIAL & INDUSTRIAL 200mm THICK / SL102 MESH
- LEVEL AT BUILDING ALIGNMENT IS TO COMPLY WITH LEVELS ISSUED IN THE DEVELOPMENT CONSENT, UNLESS OTHERWISE STATED BY THE COUNCIL DELEGATE.
- THE CONCRETE IS TO USE TYPE A PORTLAND CEMENT AND IS NOT TO BE ARTIFICIALLY COLOURED, STENCILLED, STAMPED OR PATTERNED.
- ALL REINFORCEMENT TO BE HOT DIP GALVANISED TO AS4671 WITH MINIMUM 50 COVER.
- RE-SHEET MINIMUM 600mm WIDTH OF DEEP LIFT PAVEMENT AND A FURTHER 150mm WIDTH OF AC10 WEARING COARSE ADJACENT NEW KERB, GUTTER, DISH CROSSINGS OR LAYBACKS. REFER TO STANDARD DETAIL R6 FOR FURTHER DETAIL.
- EXCAVATION ON PAVEMENTS SHALL BE FROM EXISTING JOINTS WHERE AVAILABLE OR OTHERWISE SHALL BE SAWN ALONG ALL EDGES.
- CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.

- COUNCIL'S DELEGATE TO INSPECT FOR ALL UNSOUND AREAS BEFORE PROFILING AC PAVEMENT AND AFTER PROOF ROLLING. WEAK SECTIONS ARE TO BE IDENTIFIED AND HEAVY-PATCHED TO A NOMINAL THICKNESS OF 150mm WITH AC28 BEFORE RESEALING IN ACCORDANCE TO TYPICAL CROSS-SECTION.
 - UNLESS SPECIFIED, OVERLAY TO CONSIST OF 50mm THICK AC10.
 - UNLESS SPECIFIED, CRACK SEALANT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
 - UNLESS SPECIFIED, MORTAR BED TO BE MIN 25mm HIGH STRENGTH (1:4) CEMENT:SAND WITH LATEX ADDITIVE TO INCREASE BOND STRENGTH AND COMPRESSIVE STRENGTH.
 - INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. DO NOT CONTINUE UNTIL APPROVAL RECEIVED FROM COUNCIL DELEGATE.
- ROAD PAVEMENT**
- SUBGRADE TRIMMED AND CONSOLIDATED PRIOR TO FIRST PAVEMENT COURSE. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - EACH PAVEMENT LAYER SPREAD AND COMPACTED. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - PAVEMENT COMPLETED PRIOR TO SEALING.
- CONCRETE WORKS**
- SUBGRADE TRIMMED AND CONSOLIDATED.
 - EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
 - CONCRETE FORMED AND CURED.
- RECONSTRUCT FOOTPATH EACH SIDE OF DRIVEWAY TO SUIT NEW CROSSING. ACHIEVE MAXIMUM LONGITUDINAL GRADE OF 5% TO EXISTING, UNLESS DIRECTED OTHERWISE.
 - CONTRACTOR TO SUPPLY AND LAY TURF TO AREA AFFECTED BY PROPOSED WORKS OR AS DIRECTED BY THE COUNCIL DELEGATE.
 - THE SPECIES OF TURF TO BE "SOFT LEAF SHADEMASTER BUFFALO" UNLESS DIRECTED OTHERWISE
 - THE TURF SHOULD BE PLACED ON A MINIMUM 100mm DEEP LAYER OF IMPORTED TURF UNDERLAY TOPSOIL
 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
 - FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R19.
 - MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

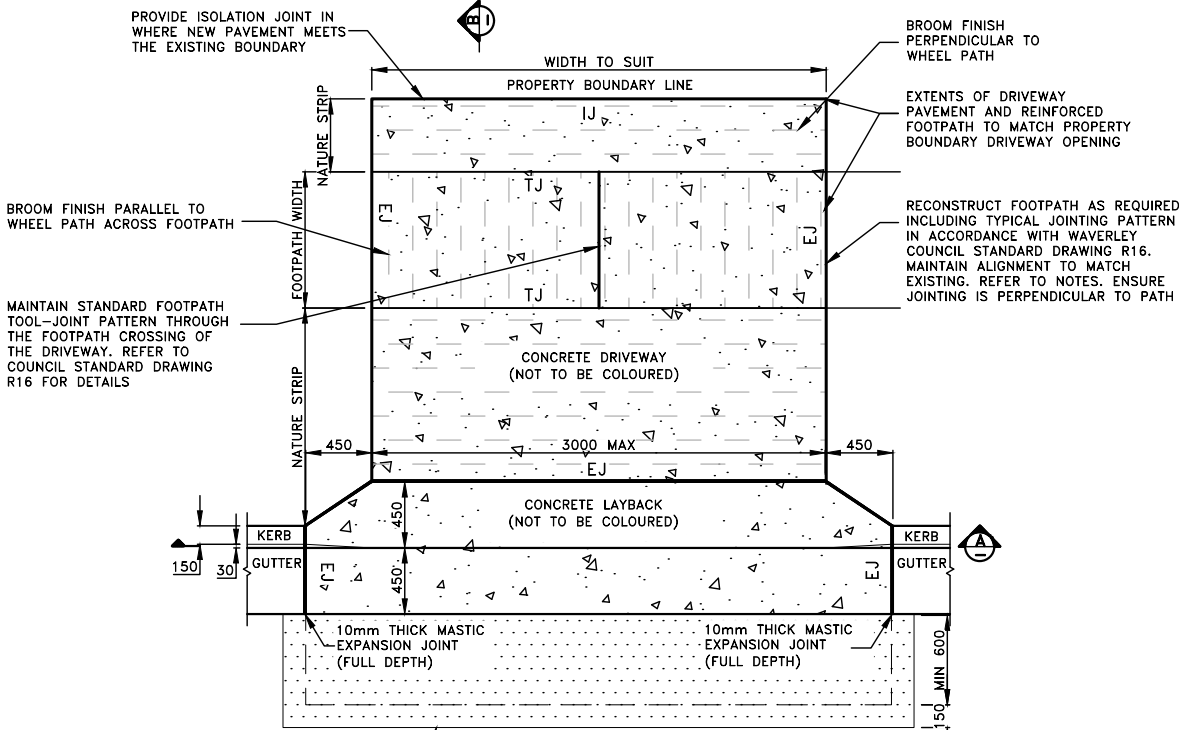
																				APPROVED: _____ DATE SIGNED: _____ SCALE AS SHOWN @ A3: PLAN: _____ LONG-SECTION VERT: _____ CROSS-SECTION VERT: _____										Project Name: STANDARD DRAWING - ROADS - R2 Drawing Title: PAVEMENT PROFILES										PROJ No: WC STD DRW TRIM No: XXXX Drawing No: R2 Issue: A									
SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A										CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au										Project Name: STANDARD DRAWING - ROADS - R2 Drawing Title: PAVEMENT PROFILES										PROJ No: WC STD DRW TRIM No: XXXX Drawing No: R2 Issue: A																			
NOTE REFER TO COUNCIL STANDARD DRAWING R5 - TYPICAL CONCRETE ROAD SLAB FOR CONCRETE ROAD PAVEMENT DETAILS INCLUDING JOINT DETAILS										NOTE REFER TO COUNCIL PUBLIC DOMAIN TECHNICAL MANUAL FOR TYPICAL FOOTPATH PAVEMENT PROFILES AND JOINT DETAILS										NOTE ANY CONSTRUCTION WITHIN THE PUBLIC DOMAIN REQUIRES COUNCIL APPROVAL. NON-APPROVED WORKS AND STRUCTURES MAY BE REQUIRED TO BE REMOVED AND THE EXISTING REINSTATED AT THE CONTRACTORS OR DEVELOPERS COST																													
A ORIGINAL ISSUE 11/10/24 AM AM NZ										DATE DRN DES VER										DATE DRN DES VER										DATE DRN DES VER																			

LEGEND

- TJ TOOL JOINT
- EJ EXPANSION JOINT
- IJ ISOLATION JOINT

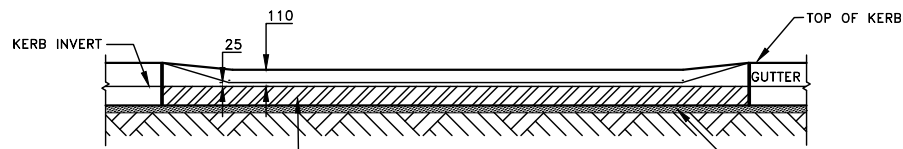
NOTE

WHEN RECONSTRUCTING THE LEVELS MUST MATCH EXISTING OR BE IN ACCORDANCE WITH THE APPROVED LEVELS IN THE DEVELOPMENT CONSENT. THE MINIMUM EXTENT OF FOOTPATH TO BE RECONSTRUCTED TO BE APPROVED BY THE COUNCIL DELEGATE PRIOR TO WORKS STARTING. ACHIEVE A LONGITUDINAL FALL TO SUIT EXISTING AND NO GREATER THAN 1 IN 20 AND CROSS FALL OF 2% AWAY FROM PROPERTY BOUNDARIES. SEEK GUIDANCE FROM COUNCIL FOR FALLS OUTSIDE OF THIS RANGE.



PLAN
NOT TO SCALE

SAWCUT, REMOVE AND REINSTATE PAVEMENT MIN 600mm WIDTH DEEPLIFT PAVEMENT AND A FURTHER 150mm WIDTH AC10 WEARING COARSE RE-SHEET WITH MATCHING COLOUR LIQUID CRACK SEALANT, OR AS DIRECTED BY COUNCIL DELEGATE



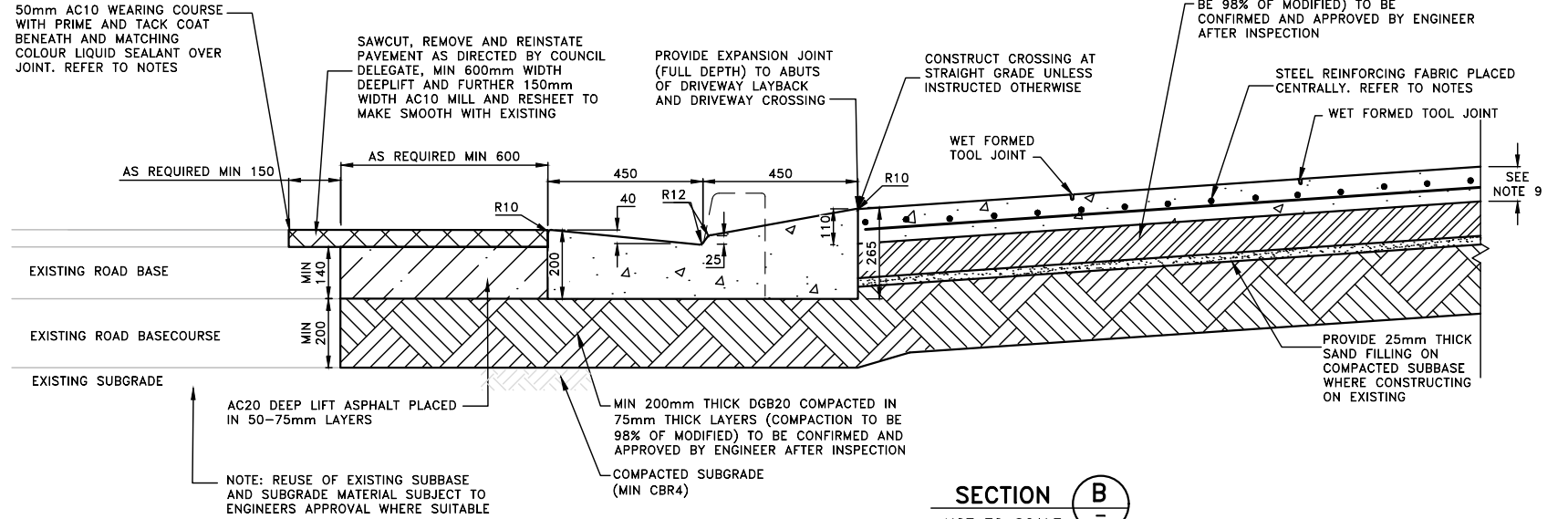
SECTION A
NOT TO SCALE

MIN. 100mm THICK LAYER OF DGB20 COMPACTED IN 50mm LAYERS TO 98% STD MDD ON COMPACTED SUBGRADE (MIN CBR4)

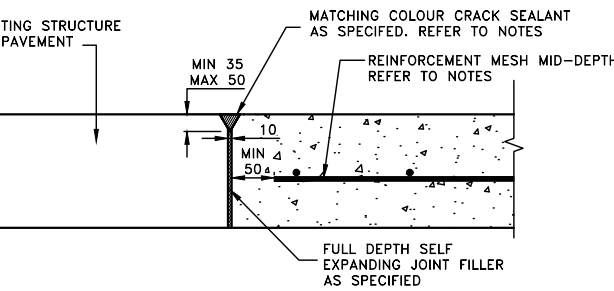
PROVIDE 25mm THICK SAND FILLING ON COMPACTED SUBBASE. REUSE OF EXISTING SUBBASE SUBJECT TO ENGINEERS APPROVAL

NOTE

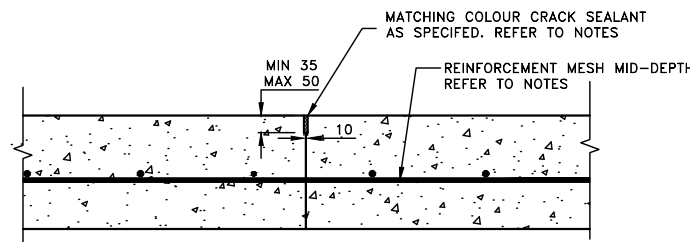
ANY CONSTRUCTION WITHIN THE PUBLIC DOMAIN REQUIRES COUNCIL APPROVAL. NON-APPROVED WORKS AND STRUCTURES MAY BE REQUIRED TO BE REMOVED AND THE EXISTING REINSTATED AT THE CONTRACTORS OR DEVELOPERS COST.



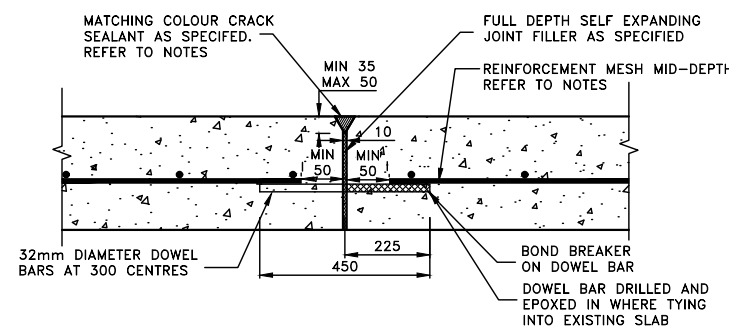
SECTION B
NOT TO SCALE



TYPICAL ISOLATION JOINT (IJ)
NOT TO SCALE



TYPICAL TOOL JOINT (TJ)
NOT TO SCALE



TYPICAL EXPANSION JOINT (EJ)
NOT TO SCALE

NOTES

1. THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 2. DESIGN AND CONSTRUCTION OF WORKS INCLUDING KERBS, GUTTERS, VEHICULAR CROSSINGS, KERB RAMPS, STORMWATER INFRASTRUCTURE, AND THE LIKE, ON STATE ROADS TO BE APPROVED BY TNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
 3. ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
 4. CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING, LAYBACKS, VEHICULAR CROSSINGS AND MISCELLANEOUS KERBING AND EDGE STRIP.
 5. ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL.
 6. CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
 7. CONCRETE PAVEMENT TO INCORPORATE SUITABLE JOINTING PATTERN. MAXIMUM CROSSOVER LENGTH BETWEEN EXPANSION JOINTS TO BE 6m.
 8. PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
 9. -CLASS A (L/D) RESIDENTIAL DRIVEWAYS 100mm THICK / SL72 MESH
-CLASS B (H/D) MEDIUM DENSITY (VILLAS/TOWNHOUSES) 150mm THICK / SL82 MESH
-CLASS C COMMERCIAL & INDUSTRIAL 200mm THICK / SL102 MESH
 10. LEVEL AT BUILDING ALIGNMENT IS TO COMPLY WITH LEVELS ISSUED IN THE DEVELOPMENT CONSENT, UNLESS OTHERWISE STATED BY THE COUNCIL DELEGATE.
 11. LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 12. THE CONCRETE IS TO USE TYPE A PORTLAND CEMENT AND IS NOT TO BE ARTIFICIALLY COLOURED, STENCILED, STAMPED OR PATTERNED.
 13. ALL REINFORCEMENT TO BE HOT DIP GALVANISED TO AS4671 WITH MINIMUM 50 COVER.
 14. RE-SHEET MINIMUM 600mm WIDTH OF DEEP LIFT PAVEMENT AND A FURTHER 150mm WIDTH OF AC10 WEARING COARSE ADJACENT NEW KERB, GUTTER, DISH CROSSINGS OR LAYBACKS. REFER TO STANDARD DETAIL R6 FOR FURTHER DETAIL.
 15. EXCAVATION ON PAVEMENTS SHALL BE FROM EXISTING JOINTS WHERE AVAILABLE OR OTHERWISE SHALL BE SAWN ALONG ALL EDGES.
 16. CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.
 17. COUNCIL'S DELEGATE TO INSPECT FOR ALL UNSOUND AREAS BEFORE PROFILING AC PAVEMENT AND AFTER PROOF ROLLING. WEAK SECTIONS ARE TO BE IDENTIFIED AND HEAVY-PATCHED TO A NOMINAL THICKNESS OF 150mm WITH AC28 BEFORE RESEALING IN ACCORDANCE TO TYPICAL CROSS-SECTION.
 18. UNLESS SPECIFIED, OVERLAY TO CONSIST OF 50mm THICK AC10.
 19. UNLESS SPECIFIED, CRACK SEALANT FOR FLEXIBLE PAVEMENT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
 20. UNLESS SPECIFIED, CRACK SEALANT FOR RIGID PAVEMENT TO BE "DOW CORNING 888" OR APPROVED EQUIVALENT.
 21. INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. DO NOT CONTINUE UNTIL APPROVAL RECEIVED FROM COUNCIL DELEGATE.
- ROAD PAVEMENT**
- A) SUBGRADE TRIMMED AND CONSOLIDATED PRIOR TO FIRST PAVEMENT COURSE. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - B) EACH PAVEMENT LAYER SPREAD AND COMPACTED. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - C) PAVEMENT COMPLETED PRIOR TO SEALING.
- CONCRETE WORKS**
- A) SUBGRADE TRIMMED AND CONSOLIDATED.
 - B) EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
 - C) CONCRETE FORMED AND CURED.
22. RECONSTRUCT FOOTPATH EACH SIDE OF DRIVEWAY TO MATCH EXISTING LEVELS, UNLESS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. FOOTPATH CROSS FALL TO BE MAXIMUM 2% AND MINIMUM 1%. MAXIMUM LONGITUDINAL GRADE OF 5%. SEEK APPROVAL FROM COUNCIL DELEGATE FOR FALLS OUTSIDE OF THIS RANGE.
 23. MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
 24. CONTRACTOR TO SUPPLY AND LAY TURF TO AREA AFFECTED BY PROPOSED WORKS OR AS DIRECTED BY THE COUNCIL DELEGATE.
 - THE SPECIES OF TURF TO BE "SOFT LEAF SHADEMASTER BUFFALO" UNLESS DIRECTED OTHERWISE
 - THE TURF SHOULD BE PLACED ON A MINIMUM 100mm DEEP LAYER OF IMPORTED TURF UNDERLAY TOPSOIL
 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
 25. FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
 26. ANY DISRUPTION TO EXISTING NATURE STRIPS OR PLANTED BEDS WITHIN COUNCIL LAND TO BE REINSTATED AS PER EXISTING. SEEK APPROVAL FROM COUNCIL DELEGATE FOR CHANGES TO PLANT SPECIES. EDGING OR PAVING TO NATURE STRIPS REQUIRES APPROVAL FROM THE COUNCIL DELEGATE.
 27. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ						



SURVEYED BY: N/A
DATE: N/A
COORDINATION: N/A
DATUM: N/A

CIVIL DESIGN, MAJOR PROJECTS
Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022
PO Box 9, Bondi Junction NSW 1555
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Email: info@waverley.nsw.gov.au
Web: www.waverley.nsw.gov.au

WAVERLEY COUNCIL

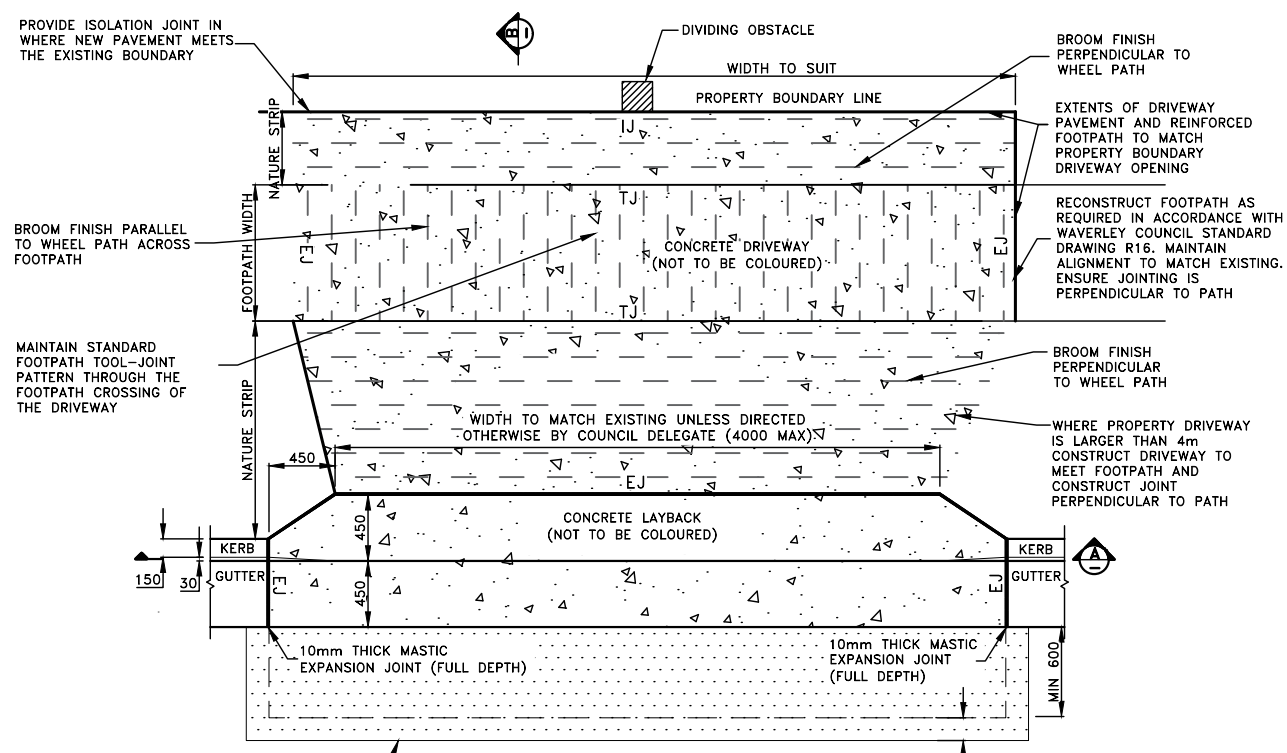
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VERT: [Scale]

Project Name: **STANDARD DRAWING - ROADS - R3**

Drawing Title: **CONCRETE DRIVEWAY AND LAYBACK**

PROJ No: WC STD DRW
TRIM No: XXXX
Drawing No: R3
Issue: A

NOTE
 WHEN RECONSTRUCTING THE FOOTPATH THE LEVELS MUST MATCH EXISTING OR BE IN ACCORDANCE WITH THE APPROVED LEVELS IN THE DEVELOPMENT CONSENT. THE MINIMUM EXTENT OF FOOTPATH TO BE RECONSTRUCTED TO BE APPROVED BY THE COUNCIL DELEGATE PRIOR TO WORKS STARTING. ACHIEVE A LONGITUDINAL FALL TO SUIT EXISTING AND NO GREATER THAN 1 IN 20 AND CROSS FALL OF 2% AWAY FROM PROPERTY BOUNDARIES. SEEK GUIDANCE FROM COUNCIL FOR FALLS OUTSIDE OF THIS RANGE.

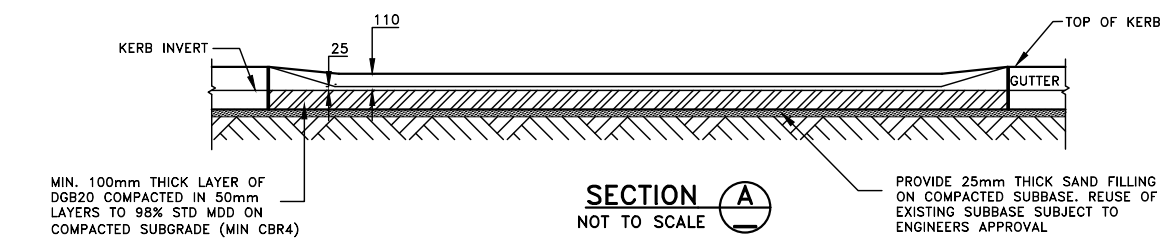


PLAN
 NOT TO SCALE

LEGEND

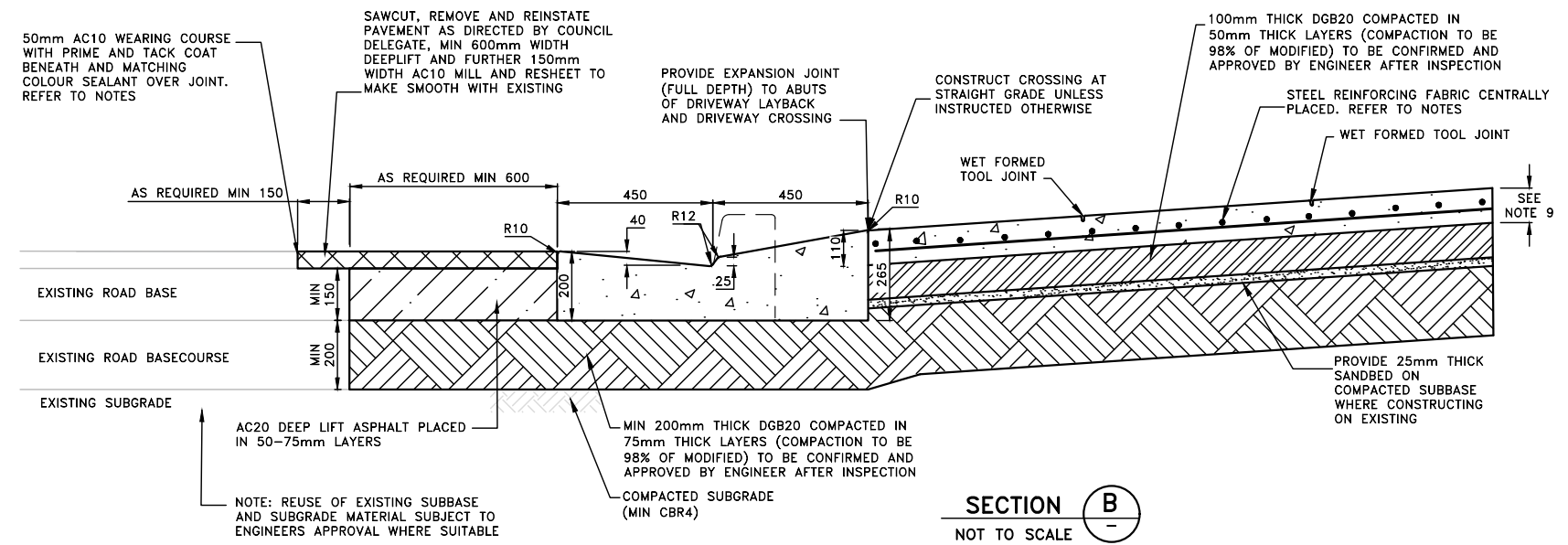
TJ	TOOL JOINT
EJ	EXPANSION JOINT
IJ	ISOLATION JOINT

SAWCUT, REMOVE AND REINSTATE PAVEMENT MIN 600mm WIDTH DEEPLIFT PAVEMENT AND A FURTHER 150mm WIDTH AC10 WEARING COARSE RE-SHEET WITH MATCHING COLOUR LIQUID CRACK SEALANT, OR AS DIRECTED BY COUNCIL DELEGATE. REFER TO STANDARD DRAWING R6 FOR FURTHER DETAIL.

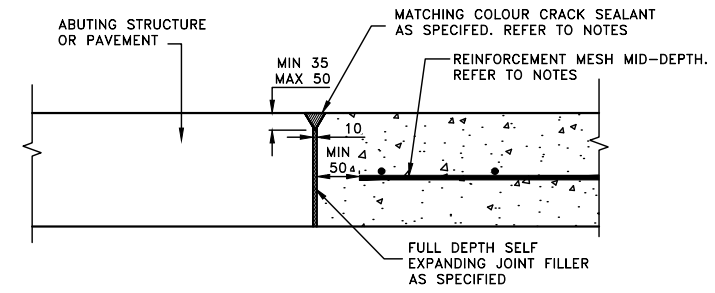


SECTION A
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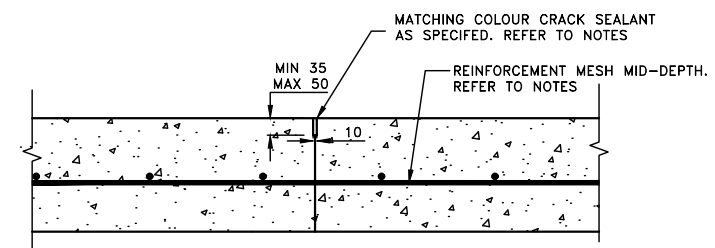
NOTE
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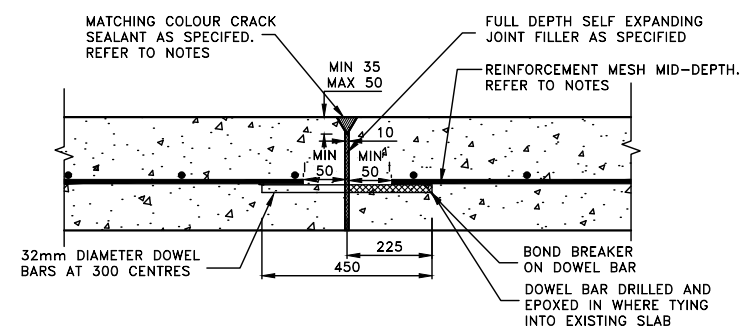
SECTION B
 NOT TO SCALE



TYPICAL ISOLATION JOINT (IJ)
 NOT TO SCALE



TYPICAL TOOL JOINT (TJ)
 NOT TO SCALE

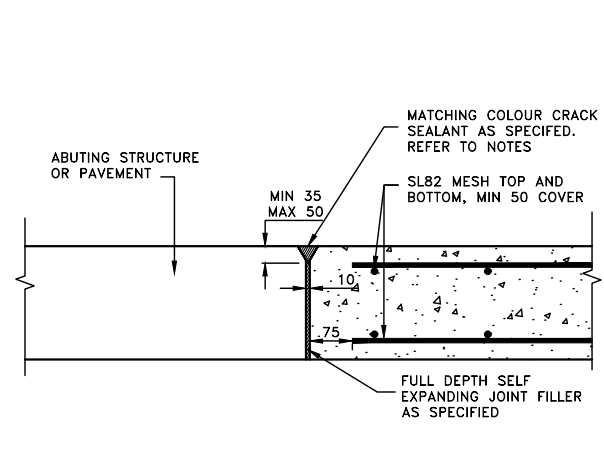


TYPICAL EXPANSION JOINT (EJ)
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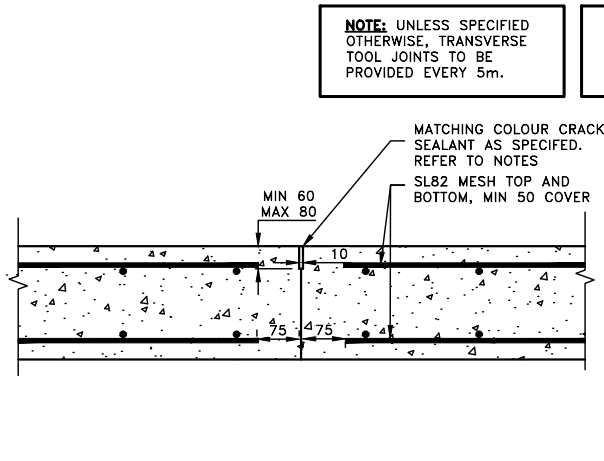
NOTES

- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - DESIGN AND CONSTRUCTION OF WORKS INCLUDING KERBS, GUTTERS, VEHICULAR CROSSINGS, KERB RAMPS, STORMWATER INFRASTRUCTURE, AND THE LIKE, ON STATE ROADS TO BE APPROVED BY TNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
 - ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
 - CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING, LAYBACKS, VEHICULAR CROSSINGS AND MISCELLANEOUS KERBING AND EDGE STRIP.
 - ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL.
 - CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
 - PROVIDE EXPANSION JOINTS FOR FOOTPATH PAVEMENT AS APPROPRIATE BUT SPACED NOT MORE THAN 6m AND TOOL JOINTS EVERY 1.5m, OR AS SPECIFIED. JOINTS SHALL BE STRAIGHT, CONTINUOUS AND NORMAL TO BOUNDARIES AND EDGES. PROVIDE FULL DEPTH EXPANSION JOINTS TO BOUNDARIES, STRUCTURES, KERBS, EDGES AND THE LIKE.
 - PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
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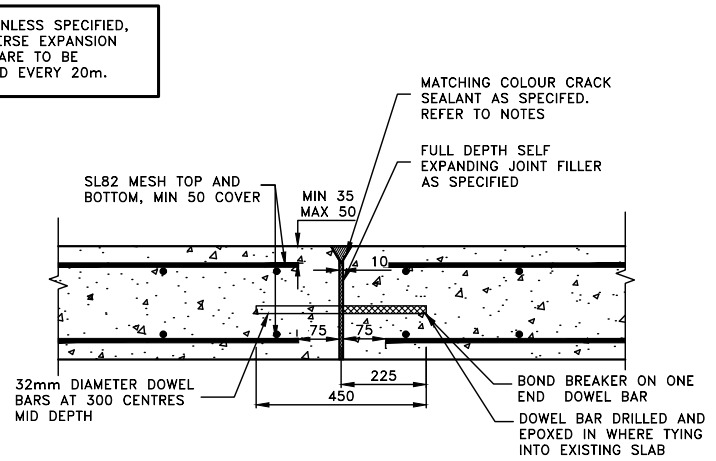
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A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ																		
ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER												



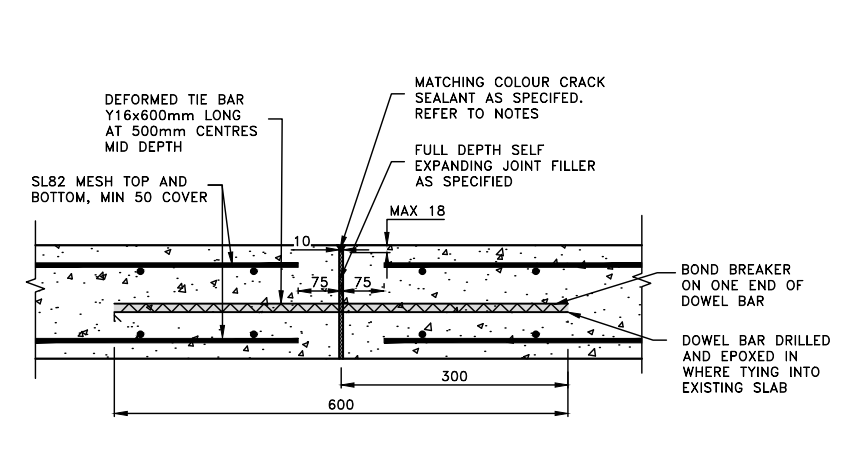
TYPICAL TRANSVERSE ISOLATION JOINT (IJ)
NOT TO SCALE



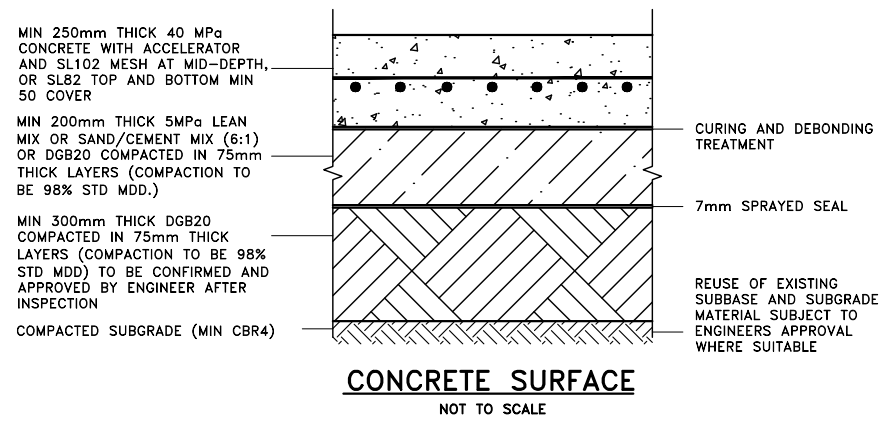
TYPICAL TOOL JOINT (TJ)
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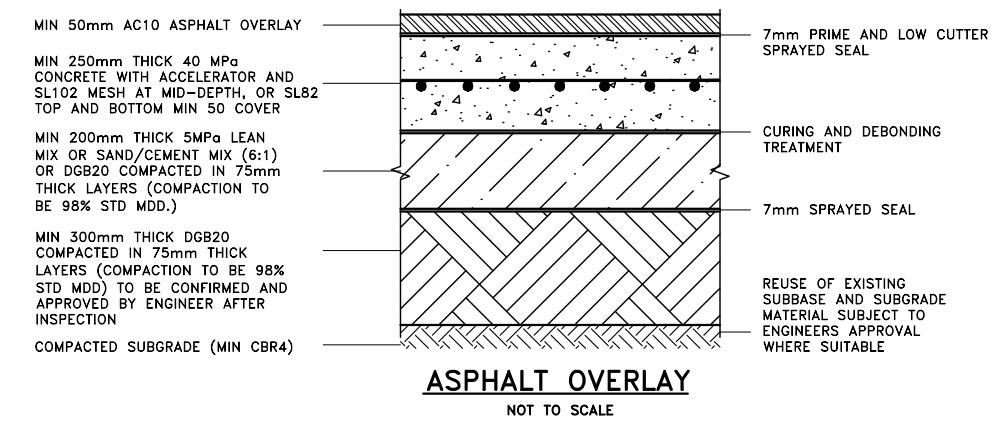
TYPICAL TRANSVERSE EXPANSION JOINT (EJ)
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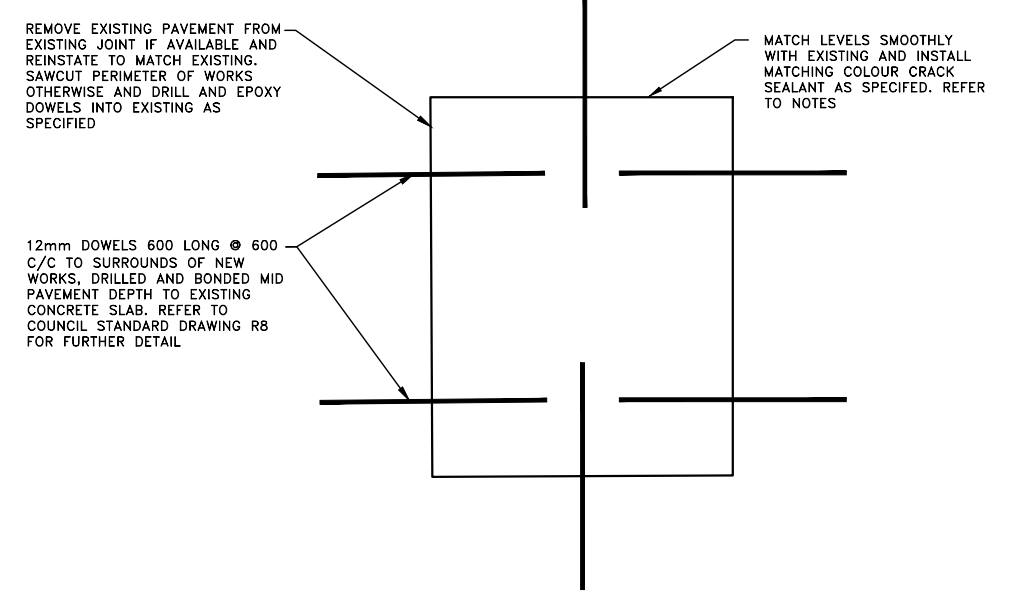
TYPICAL LONGITUDINAL TIED JOINT (LJ)
NOT TO SCALE



CONCRETE SURFACE
NOT TO SCALE

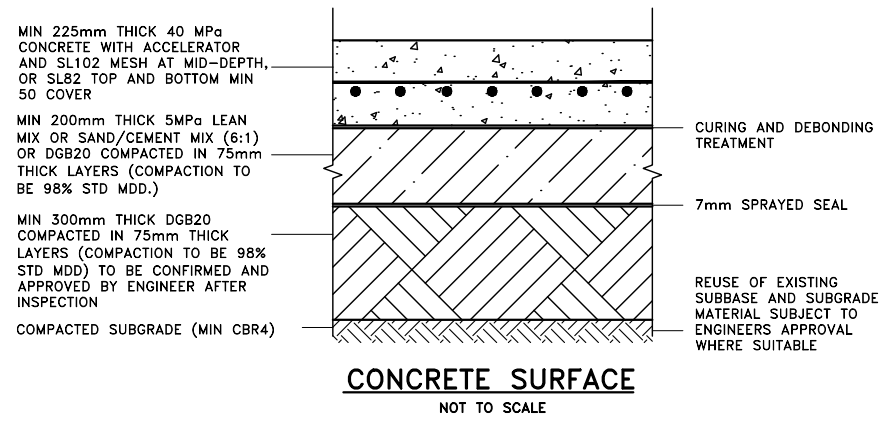


ASPHALT OVERLAY
NOT TO SCALE

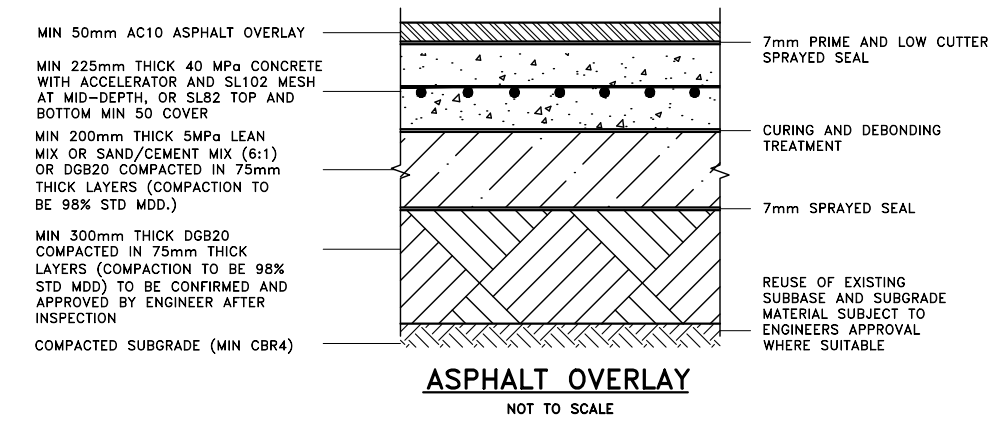


TYPICAL CONCRETE ROAD RESTORATION PLAN DETAIL

CONCRETE SLAB REPLACEMENT TYPE 1 (MEDIUM TO HIGH TRAFFIC VOLUMES)
TYPICAL SECTIONS



CONCRETE SURFACE
NOT TO SCALE



ASPHALT OVERLAY
NOT TO SCALE

CONCRETE SLAB REPLACEMENT TYPE 2 (LOW TRAFFIC VOLUMES)
TYPICAL SECTIONS

NOTE
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NOTE: GEOTECHNICAL INVESTIGATION AND CONFIRMATION OF SUITABILITY OF THE EXISTING SUBGRADE MATERIAL REQUIRED PRIOR TO LAYING NEW PAVEMENT. SEEK APPROVAL FROM COUNCIL DELEGATE FOR PAVEMENT DESIGN

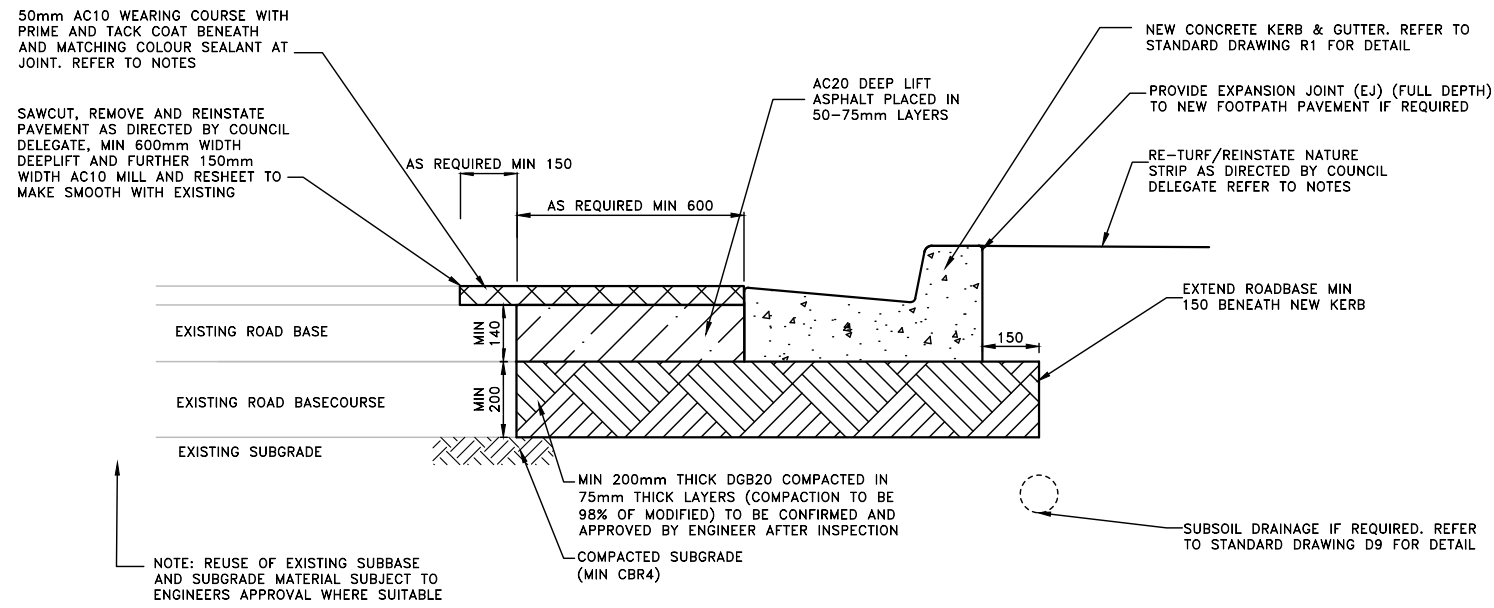
NOTES

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 - EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
 - CONCRETE FORMED AND CURED.
- MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
 - ALL LINEMARKING & SIGNPOSTING AFFECTED BY WORKS IS TO BE REINSTATED IN ACCORDANCE WITH AS 1742 & THE TfNSW INTERIM GUIDE TO SIGNS & MARKINGS.
 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
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								SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A				CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au				APPROVED: DATE SIGNED: SCALE AS SHOWN @ A3: PLAN: LONG-SECTION VERT: - CROSS-SECTION VERT: -				Project Name: STANDARD DRAWING - ROADS - R5 Drawing Title: TYPICAL CONCRETE ROAD SLAB				PROJ No: WC STD DRW TRIM No: XXXX Drawing No: R5 Issue: A	
A ORIGINAL ISSUE 11/10/24 AM AM NZ ISSUE ISSUE DESCRIPTION DATE DRN DES VER ISSUE ISSUE DESCRIPTION DATE DRN DES VER																									

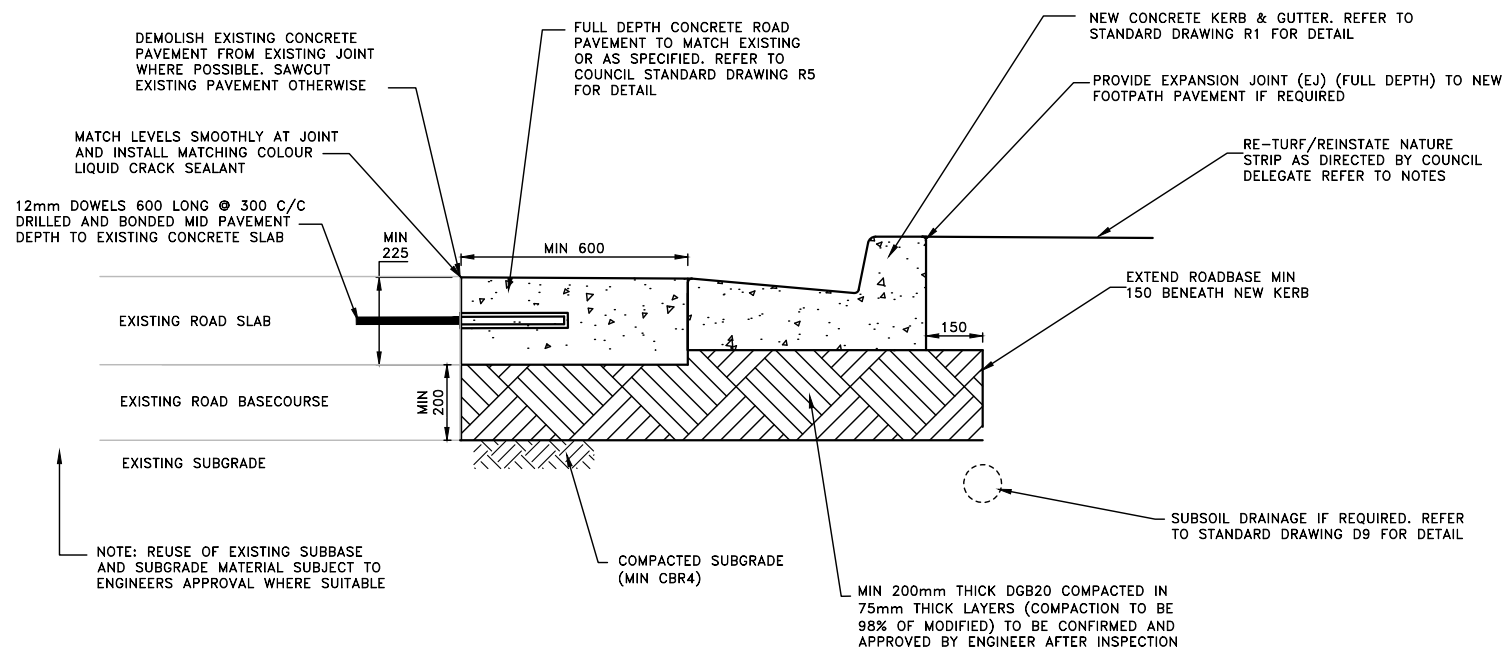


**KERB & GUTTER REINSTATEMENT & CONSTRUCTION
(FLEXIBLE PAVEMENT)**

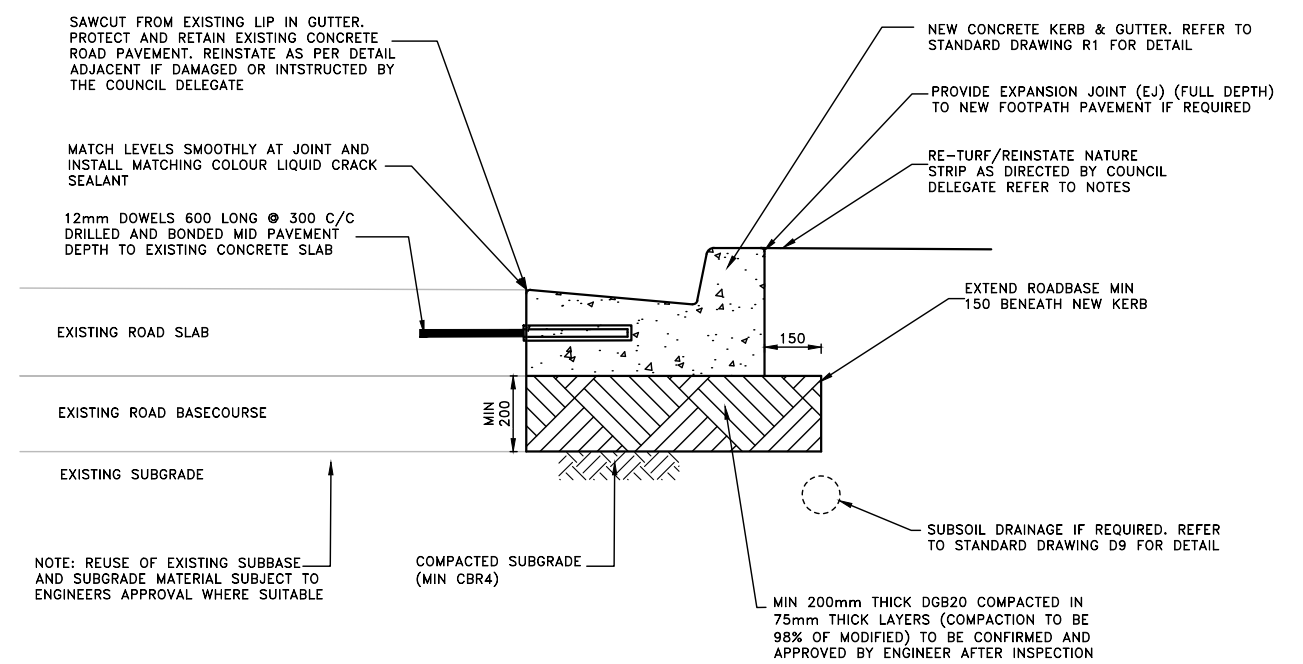
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- UNLESS SPECIFIED, OVERLAY TO CONSIST OF 50mm THICK AC10.
- UNLESS SPECIFIED, CRACK SEALANT FOR FLEXIBLE PAVEMENT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
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 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
- FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
- MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

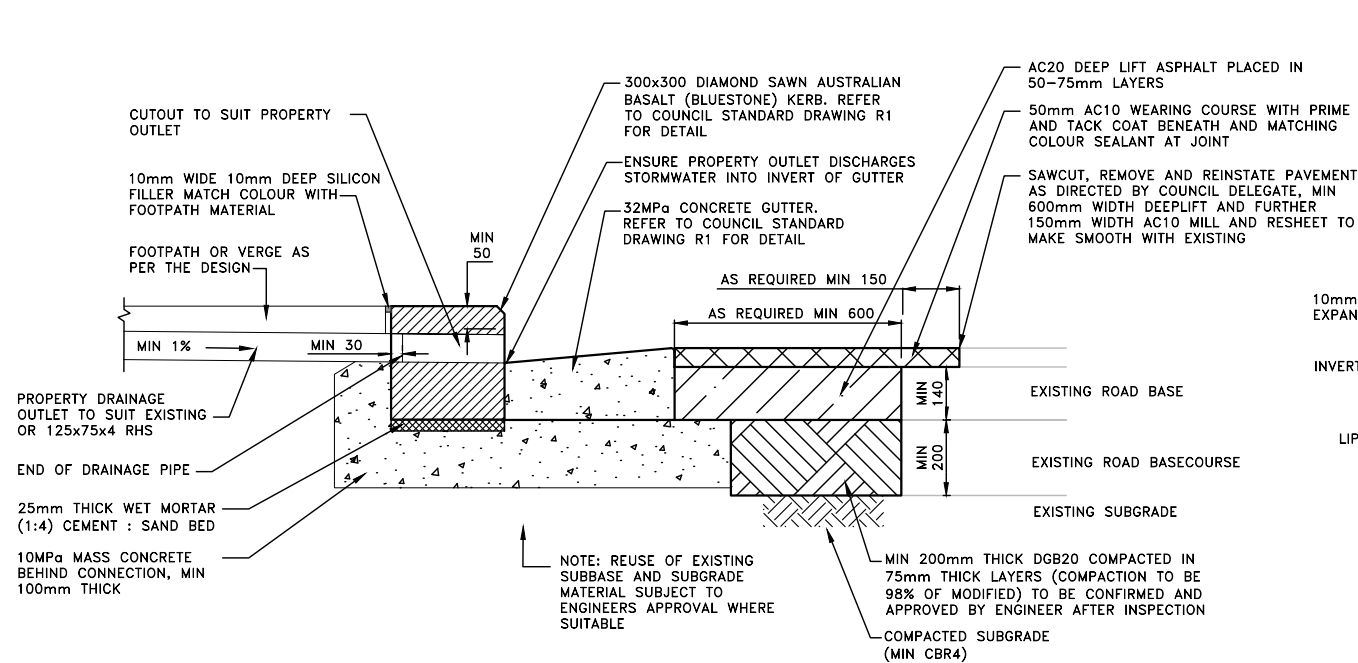


**KERB & GUTTER REINSTATEMENT & CONSTRUCTION WITH
LEVEL ADJUSTMENTS (RIGID PAVEMENT)**

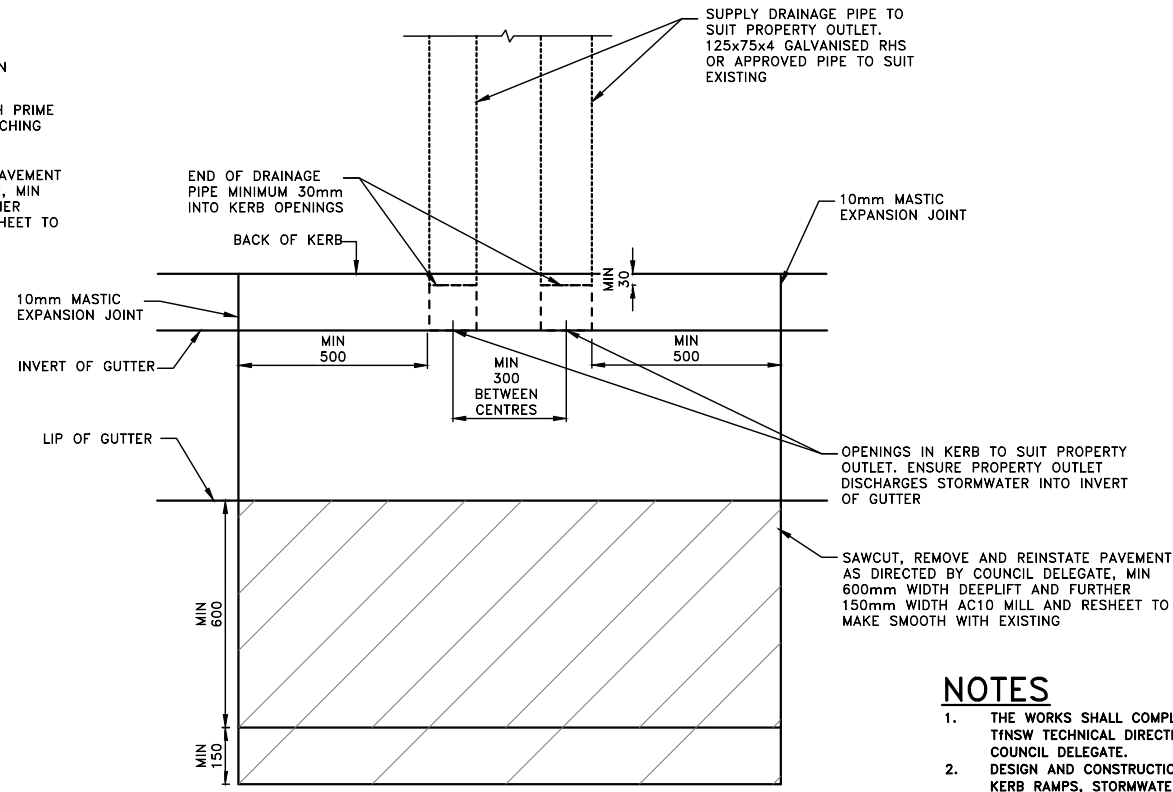


**KERB & GUTTER REINSTATEMENT & CONSTRUCTION
MATCHING EXISTING LEVELS (RIGID PAVEMENT)**

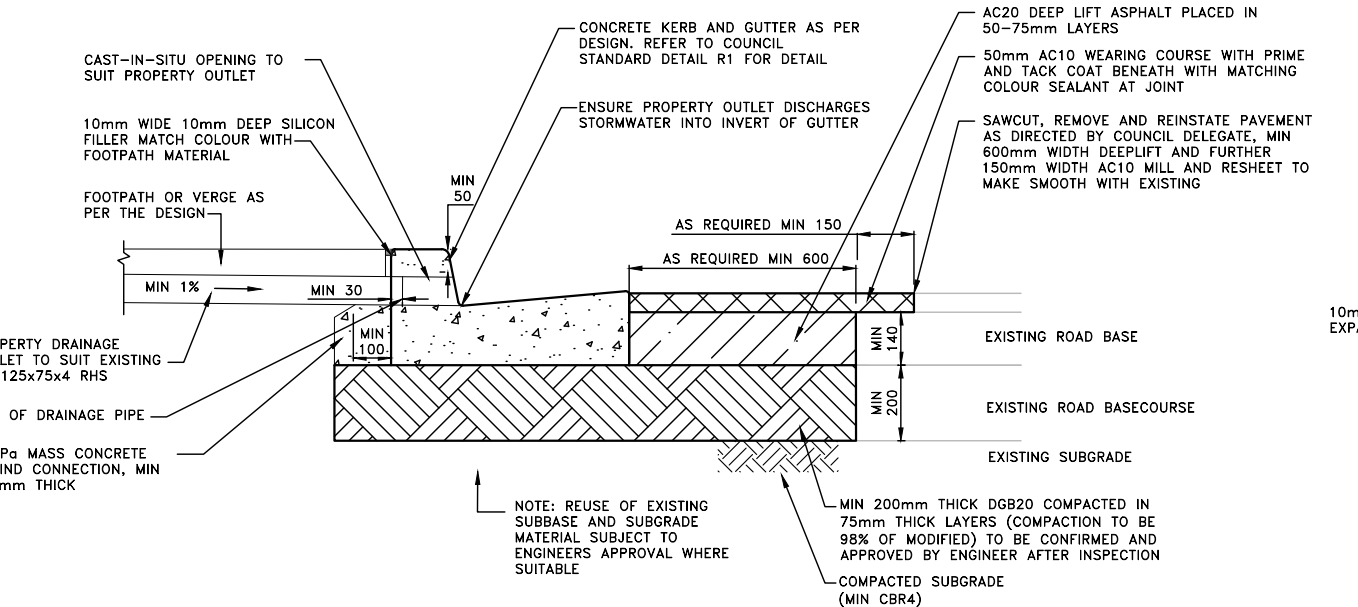
										SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A				CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au		APPROVED: DATE SIGNED: SCALE AS SHOWN @ A3: PLAN: LONG-SECTION: HORIZ: - HORIZ: - VERT: - CROSS-SECTION VERT: -		Project Name: STANDARD DRAWING - ROADS - R6		PROJ No: WC STD DRW TRIM No: XXXX	
A ORIGINAL ISSUE 11/10/24 AM AM NZ										DATE DRN DES VER		DATE DRN DES VER		Drawing Title: KERB & GUTTER REINSTATEMENT		Drawing No: R6		Issue: A			



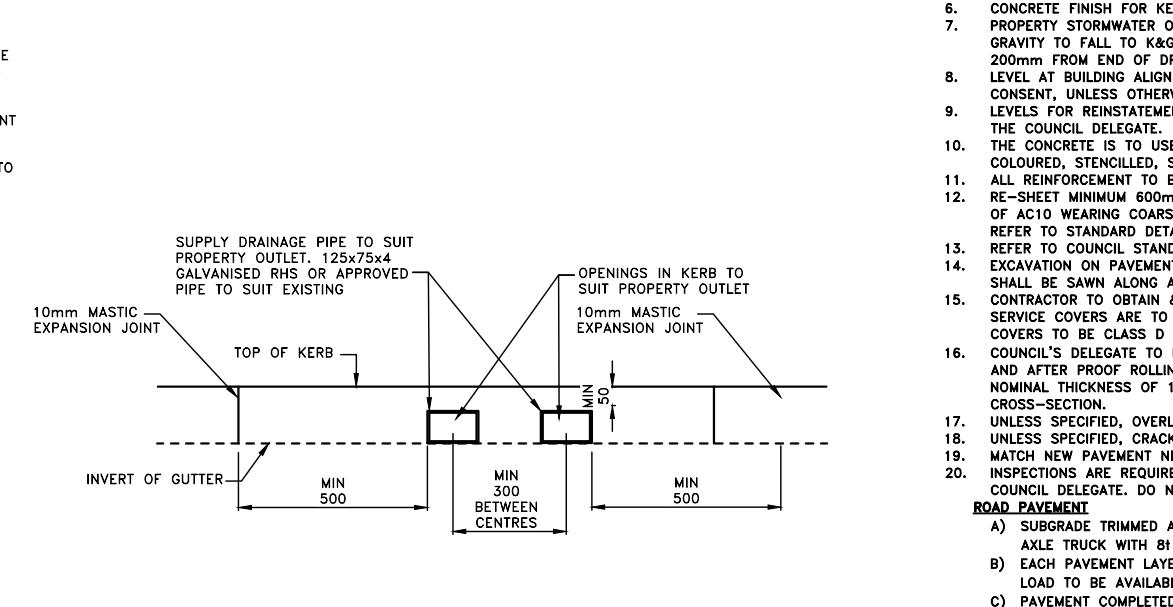
**PROPERTY STORMWATER OUTLET
DETAIL - STONE KERB**
NOT TO SCALE



**PROPERTY STORMWATER
OUTLET DETAIL - PLAN**
NOT TO SCALE



**PROPERTY STORMWATER OUTLET
DETAIL - CONCRETE KERB**
NOT TO SCALE



**PROPERTY STORMWATER
OUTLET DETAIL - ELEVATION**
NOT TO SCALE

NOTES

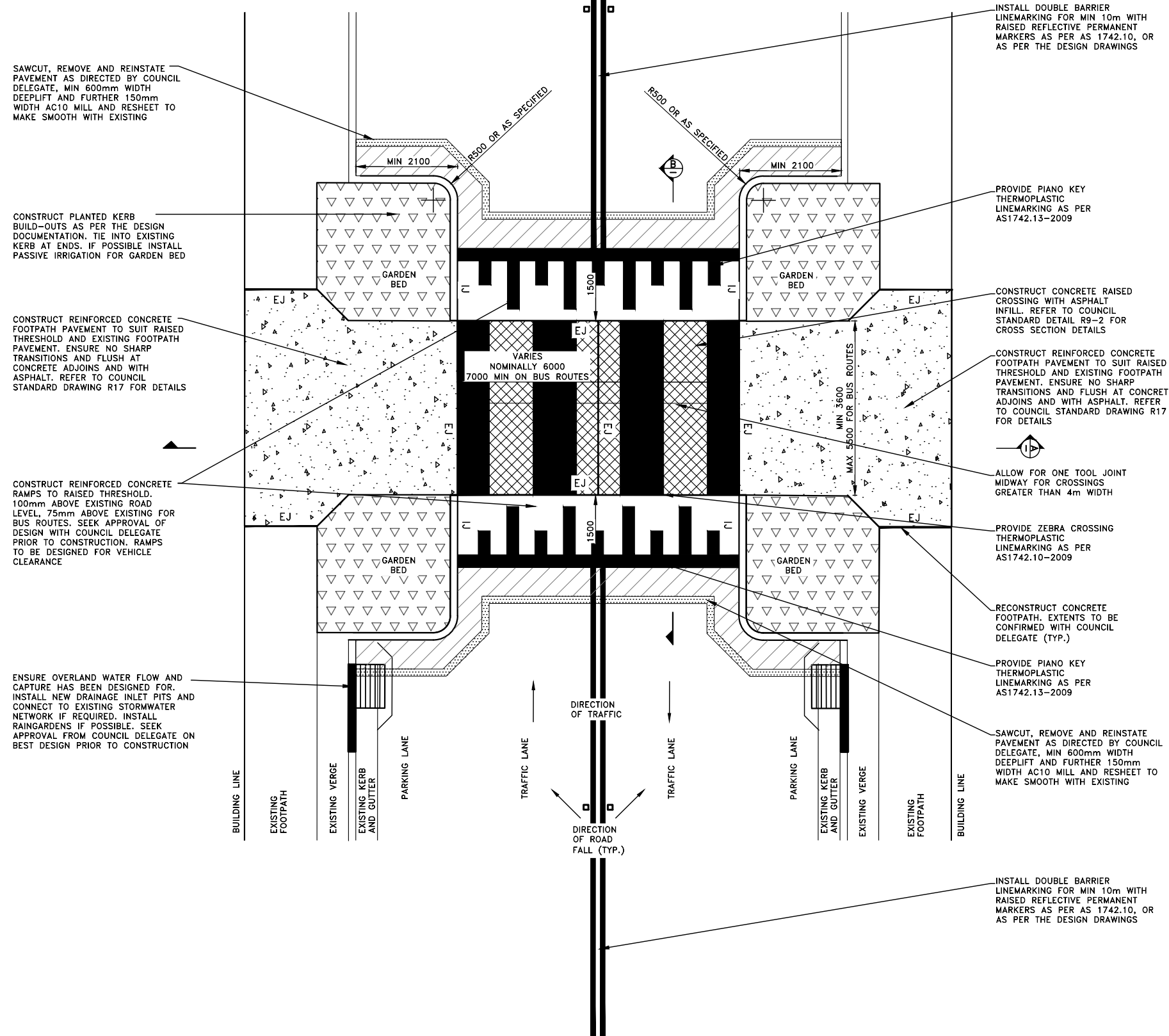
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 3. ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
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 5. CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
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 12. REFER TO COUNCIL STANDARD DRAWING R5 FOR CONCRETE ROAD PAVEMENT DETAILS.
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 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
 22. FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R19.
 23. ANY DISRUPTION TO EXISTING NATURE STRIPS OR PLANTED BEDS WITHIN COUNCIL LAND TO BE REINSTATED AS PER EXISTING. SEEK APPROVAL FROM COUNCIL DELEGATE FOR CHANGES TO PLANT SPECIES. EDGING OR PAVING TO NATURE STRIPS REQUIRES APPROVAL FROM THE COUNCIL DELEGATE.
 24. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

NOTE
ANY CONSTRUCTION WITHIN THE PUBLIC DOMAIN REQUIRES COUNCIL APPROVAL. NON-APPROVED WORKS AND STRUCTURES MAY BE REQUIRED TO BE REMOVED AND THE EXISTING REINSTATED AT THE CONTRACTORS OR DEVELOPERS COST

												SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A		CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au		APPROVED: _____ DATE SIGNED: _____ SCALE AS SHOWN @ A3: PLAN: _____ LONG-SECTION: _____ VERT: _____		Project Name: STANDARD DRAWING - ROADS - R7 Drawing Title: KERB STORMWATER OUTLET		PROJ No: WC STD DRW TRIM No: XXXX Drawing No: R7 Issue: A	
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ																
ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER										

LEGEND

- EJ EXPANSION JOINT
- TJ TOOL JOINT
- IJ ISOLATION JOINT





NOTE: SUBMIT DESIGN PLANS SHOWING LAYOUT AND SECTIONS SHOWING DETAIL OF CONSTRUCTION AND VERTICAL CLEARANCE CHECK FOR COUNCIL DELEGATE APPROVAL PRIOR TO CONSTRUCTION

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 9. PROVIDE EXPANSION JOINTS FOR FOOTPATH PAVEMENT AS APPROPRIATE BUT SPACED NOT MORE THAN 6m AND TOOL JOINTS EVERY 1.5m, OR AS SPECIFIED. JOINTS SHALL BE STRAIGHT, CONTINUOUS AND NORMAL TO BOUNDARIES AND EDGES. PROVIDE FULL DEPTH EXPANSION JOINTS TO BOUNDARIES, STRUCTURES, KERBS, EDGES AND THE LIKE.
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 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
 24. FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
 25. SEEK GUIDANCE AND CONFIRM PLANTING SPECIES WITH COUNCIL DELEGATE PRIOR TO CONSTRUCTION. FOR PLANTING NOTES REFER TO WAVERLEY COUNCIL PUBLIC DOMAIN MANUAL.
 26. MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
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 28. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ						

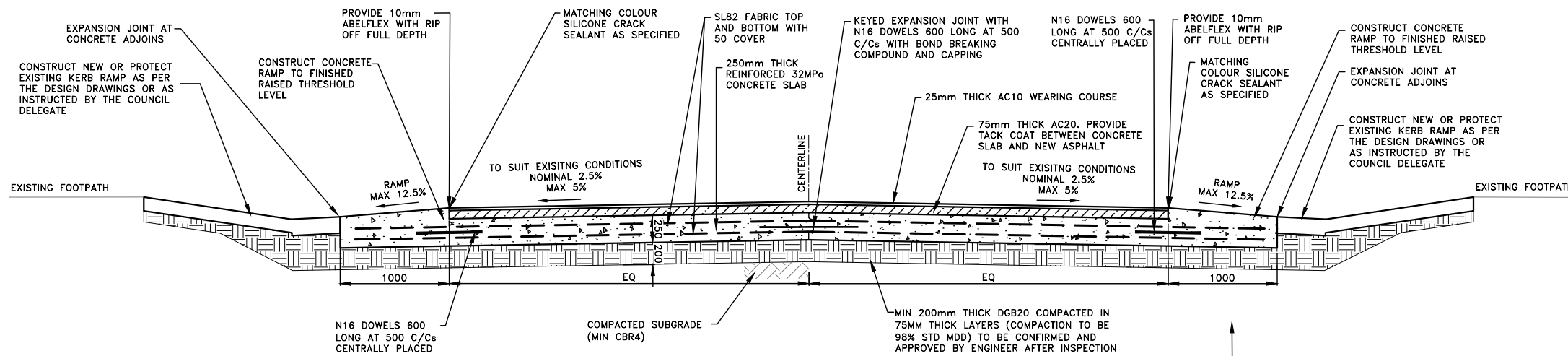



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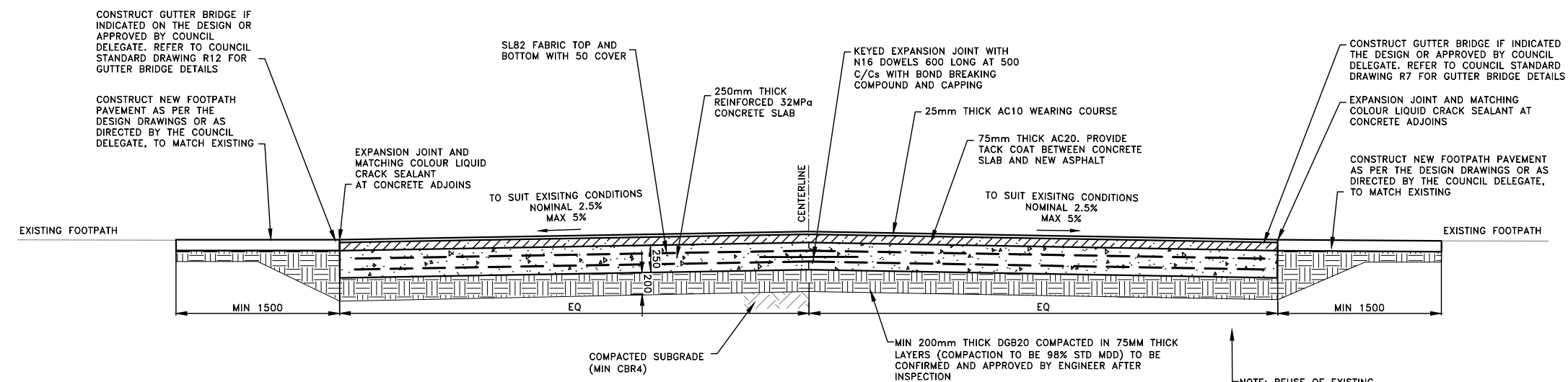
CIVIL DESIGN, MAJOR PROJECTS
 Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022
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APPROVED: _____
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 SCALE AS SHOWN @ A3:
 PLAN: _____
 LONG-SECTION: _____
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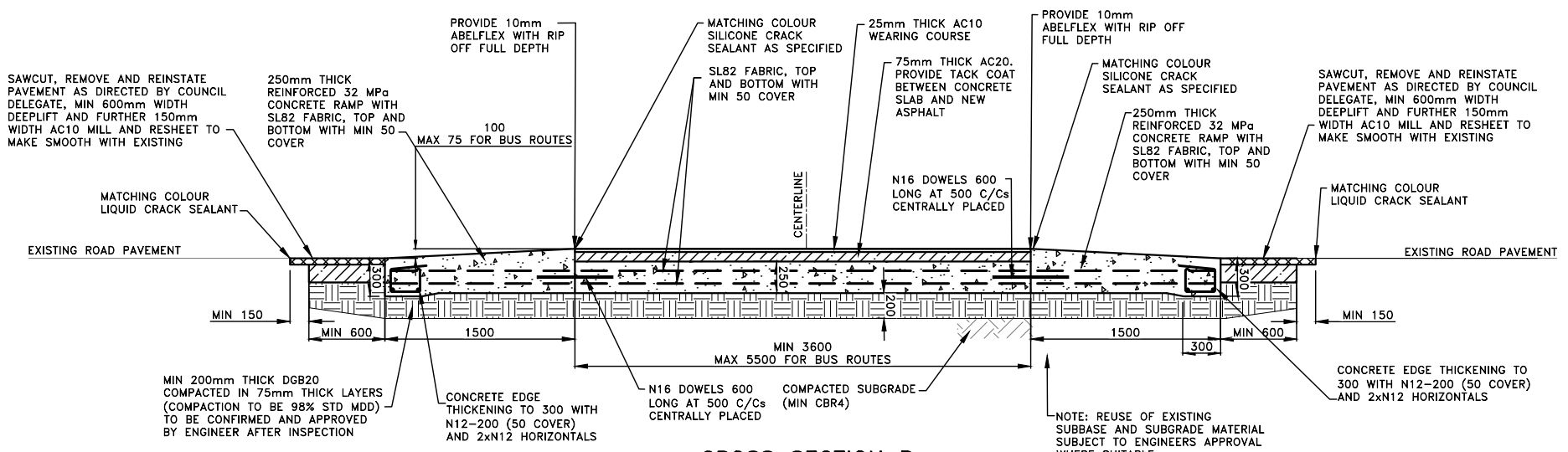
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Drawing Title:	TYPICAL WOMBAT CROSSING - PLAN DETAIL		TRIM No:	XXXX
	Project No:	R9-1	Drawing No:	R9-1
			Issue:	A



CROSS SECTION A – WITH KERB RAMPS AND GUTTER
NOT TO SCALE



CROSS SECTION A – CONTINUOUS WITH FOOTPATH
NOT TO SCALE



CROSS SECTION B
NOT TO SCALE

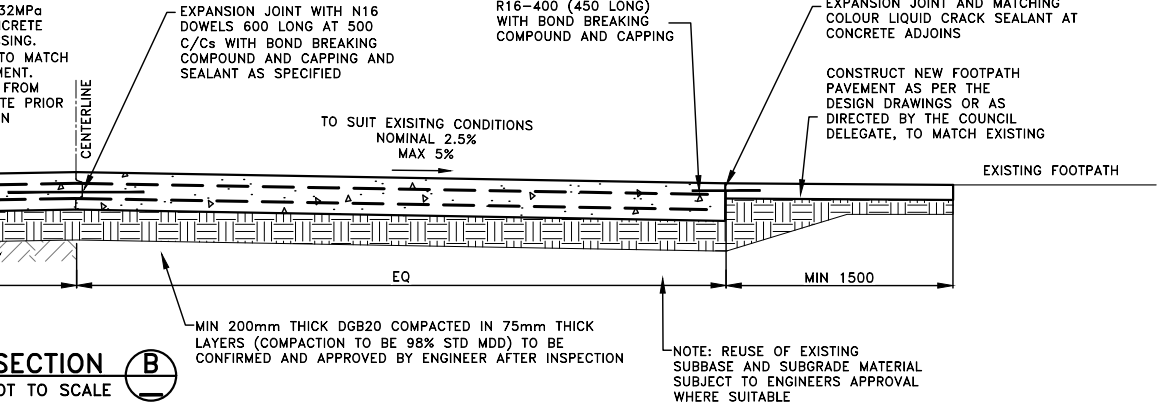
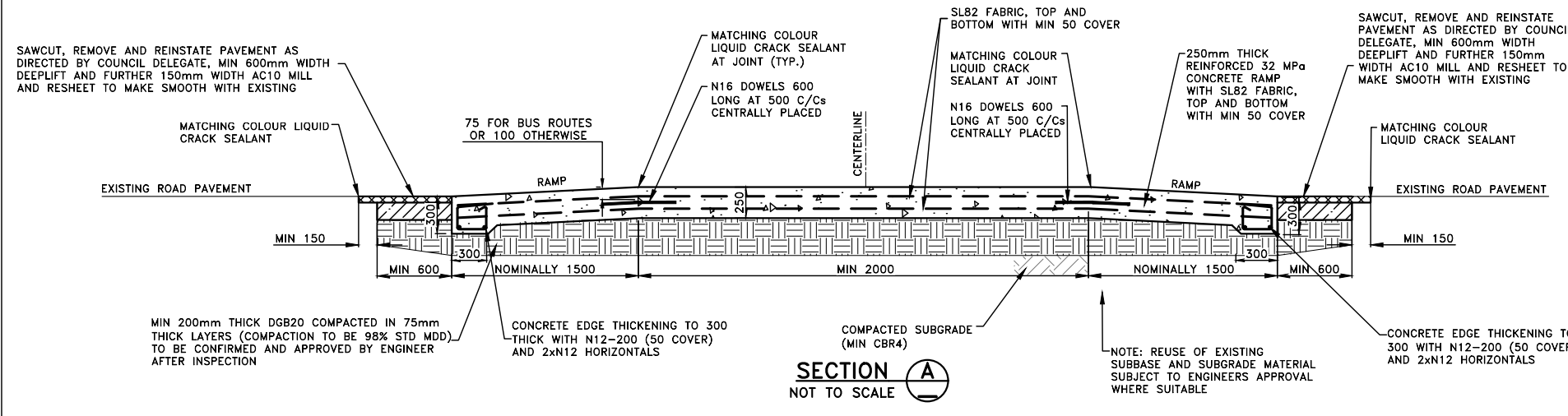
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 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
 - FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
 - SEEK GUIDANCE AND CONFIRM PLANTING SPECIES WITH COUNCIL DELEGATE PRIOR TO CONSTRUCTION. FOR PLANTING NOTES REFER TO WAVERLEY COUNCIL PUBLIC DOMAIN MANUAL.
 - MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

								SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A				CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au				APPROVED: [Signature] DATE SIGNED: [Date] SCALE AS SHOWN @ A3: PLAN: [Scale] LONG-SECTION: [Scale] VERT: [Scale]				Project Name: STANDARD DRAWING - ROADS - R9-2 PROJ No: WC STD DRW TRIM No: XXXX Drawing Title: TYPICAL WOMBAT CROSSING - SECTIONS Drawing No: R9-2 Issue: A			
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ																		
ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER												

NOTE: SUBMIT DESIGN PLANS SHOWING LAYOUT AND SECTIONS SHOWING DETAIL OF CONSTRUCTION AND VERTICAL CLEARANCE CHECK FOR COUNCIL DELEGATE APPROVAL PRIOR TO CONSTRUCTION



LEGEND

EJ	EXPANSION JOINT
TJ	TOOL JOINT
IJ	ISOLATION JOINT

MIN 250 THICK 32MPa REINFORCED CONCRETE VEHICULAR CROSSING. COLOUR/FINISH TO MATCH FOOTPATH PAVEMENT. REFER TO TNSW TECHNICAL DIRECTION TDT 2013/05 - CONTINUOUS FOOTPATH TREATMENTS. SEEK APPROVAL FROM COUNCIL DELEGATE PRIOR TO CONSTRUCTION

SAWCUT, REMOVE AND REINSTATE PAVEMENT AS DIRECTED BY COUNCIL DELEGATE, MIN 600mm WIDTH DEEPLIFT AND FURTHER 150mm WIDTH AC10 MILL AND RESHEET TO MAKE SMOOTH WITH EXISTING

CONSTRUCT KERB BUILD-OUTS IF SPECIFIED IN THE DESIGN DOCUMENTATION. OTHERWISE INSTALL NEW KERB AND GUTTER AND RAMP INLINE WITH EXISTING KERB ALIGNMENT. TIE INTO EXISTING KERB AT ENDS

ALLOW FOR ONE TOOL JOINT MIDWAY FOR CROSSINGS GREATER THAN 4m WIDTH

PROVIDE PIANO KEY THERMOPLASTIC LINEMARKING AS PER AS1742.13-2009

CONCRETE RAMP TO RAISED THRESHOLD. WIDTH AND SLOPE TO SUIT DESIGN AND AVAILABLE SPACE. SEEK APPROVAL WITH COUNCIL DELEGATE PRIOR TO CONSTRUCTION. RAMP TO BE DESIGNED FOR VEHICLE CLEARANCE

UNLESS INSTRUCTED OTHERWISE, INSTALL TCSI'S AS PER WAVERLEY COUNCIL PUBLIC DOMAIN TECHNICAL MANUAL

CONSTRUCT PLANTED KERB BUILD-OUTS AS PER THE DESIGN DOCUMENTATION. TIE INTO EXISTING KERB AT ENDS. IF POSSIBLE INSTALL PASSIVE IRRIGATION FOR GARDEN BED

CONCRETE RAMP TO RAISED THRESHOLD. WIDTH AND SLOPE TO SUIT DESIGN AND AVAILABLE SPACE. SEEK APPROVAL WITH COUNCIL DELEGATE PRIOR TO CONSTRUCTION. RAMP TO BE DESIGNED FOR VEHICLE CLEARANCE

PROVIDE PIANO KEY THERMOPLASTIC LINEMARKING AS PER AS1742.13-2009

ENSURE OVERLAND WATER FLOW AND CAPTURE HAS BEEN DESIGNED FOR. INSTALL NEW DRAINAGE INLET PITS AND CONNECT TO EXISTING STORMWATER NETWORK IF REQUIRED. INSTALL RAINGARDENS IF POSSIBLE. SEEK APPROVAL FROM COUNCIL DELEGATE ON BEST DESIGN PRIOR TO CONSTRUCTION

CONSTRUCT PLANTED KERB BUILD-OUTS AS PER THE DESIGN DOCUMENTATION. TIE INTO EXISTING KERB AT ENDS. IF POSSIBLE INSTALL PASSIVE IRRIGATION FOR GARDEN BED

SAWCUT, REMOVE AND REINSTATE PAVEMENT AS DIRECTED BY COUNCIL DELEGATE, MIN 600mm WIDTH DEEPLIFT AND FURTHER 150mm WIDTH AC10 MILL AND RESHEET TO MAKE SMOOTH WITH EXISTING



NOTES

- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - VEHICULAR RAMP THRESHOLD TO BE DESIGNED TO SUIT EXISTING CONDITIONS WITH HORIZONTAL AND VERTICAL CLEARANCE TO AS2890.1. TO BE APPROVED BY COUNCIL DELEGATE PRIOR TO CONSTRUCTION.
 - DESIGN AND CONSTRUCTION OF WORKS INCLUDING KERBS, GUTTERS, VEHICULAR CROSSINGS, KERB RAMPS, STORMWATER INFRASTRUCTURE, AND THE LIKE, ON STATE ROADS TO BE APPROVED BY TNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
 - ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
 - CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING, LAYBACKS, VEHICULAR CROSSINGS AND MISCELLANEOUS KERBING AND EDGE STRIP.
 - REFER TO COUNCIL STANDARD DRAWING R5 FOR CONCRETE ROAD PAVEMENT DETAILS.
 - ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL.
 - CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
 - PROVIDE EXPANSION JOINTS FOR FOOTPATH PAVEMENT AS APPROPRIATE BUT SPACED NOT MORE THAN 6m AND TOOL JOINTS EVERY 1.5m, OR AS SPECIFIED. JOINTS SHALL BE STRAIGHT, CONTINUOUS AND NORMAL TO BOUNDARIES AND EDGES. PROVIDE FULL DEPTH EXPANSION JOINTS TO BOUNDARIES, STRUCTURES, KERBS, EDGES AND THE LIKE.
 - PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS. OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
 - LEVEL AT BUILDING ALIGNMENT IS TO COMPLY WITH LEVELS ISSUED IN THE DEVELOPMENT CONSENT, UNLESS OTHERWISE STATED BY THE COUNCIL DELEGATE.
 - THE CONCRETE IS TO USE TYPE I PORTLAND CEMENT AND IS NOT TO BE ARTIFICIALLY COLOURED, STENCILLED, STAMPED OR PATTERNED.
 - ALL REINFORCEMENT TO BE HOT DIP GALVANISED TO AS4671 WITH MINIMUM 50 COVER.
 - RE-SHEET MINIMUM 600mm WIDTH OF DEEP LIFT PAVEMENT AND A FURTHER 150mm WIDTH OF AC10 WEARING COARSE ADJACENT NEW KERB, GUTTER, DISH CROSSINGS OR LAYBACKS. REFER TO STANDARD DETAIL R6 FOR FURTHER DETAIL.
 - EXCAVATION ON PAVEMENTS SHALL BE FROM EXISTING JOINTS WHERE AVAILABLE OR OTHERWISE SHALL BE SAWN ALONG ALL EDGES.
 - CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.
 - COUNCIL'S DELEGATE TO INSPECT FOR ALL UNSOUND AREAS BEFORE PROFILING AC PAVEMENT AND AFTER PROOF ROLLING. WEAK SECTIONS ARE TO BE IDENTIFIED AND HEAVY-PATCHED TO A NOMINAL THICKNESS OF 150mm WITH AC28 BEFORE RESEALING IN ACCORDANCE TO TYPICAL CROSS-SECTION.
 - UNLESS SPECIFIED, OVERLAY TO CONSIST OF 50mm THICK AC10.
 - UNLESS SPECIFIED, CRACK SEALANT FOR FLEXIBLE PAVEMENT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
 - UNLESS SPECIFIED, CRACK SEALANT FOR RIGID PAVEMENT TO BE "DOW CORNING 888" OR APPROVED EQUIVALENT.
 - INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. DO NOT CONTINUE UNTIL APPROVAL RECEIVED FROM COUNCIL DELEGATE.
- ROAD PAVEMENT**
- SUBGRADE TRIMMED AND CONSOLIDATED PRIOR TO FIRST PAVEMENT COURSE. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - EACH PAVEMENT LAYER SPREAD AND COMPACTED. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - PAVEMENT COMPLETED PRIOR TO SEALING.
- CONCRETE WORKS**
- SUBGRADE TRIMMED AND CONSOLIDATED.
 - EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
 - CONCRETE FORMED AND CURED.
- RECONSTRUCT FOOTPATH EACH SIDE OF THRESHOLD TO MATCH EXISTING LEVELS, UNLESS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. FOOTPATH CROSS FALL TO BE MAXIMUM 2% AND MINIMUM 1%. MAXIMUM LONGITUDINAL GRADE OF 5%. SEEK APPROVAL FROM COUNCIL DELEGATE FOR FALLS OUTSIDE OF THIS RANGE.
 - CONTRACTOR TO SUPPLY AND LAY TURF TO AREA AFFECTED BY PROPOSED WORKS OR AS DIRECTED BY THE COUNCIL DELEGATE.
 - THE SPECIES OF TURF TO BE "SOFT LEAF SHADEMASTER BUFFALO" UNLESS DIRECTED OTHERWISE
 - THE TURF SHOULD BE PLACED ON A MINIMUM 100mm DEEP LAYER OF IMPORTED TURF UNDERLAY TOPSOIL
 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS
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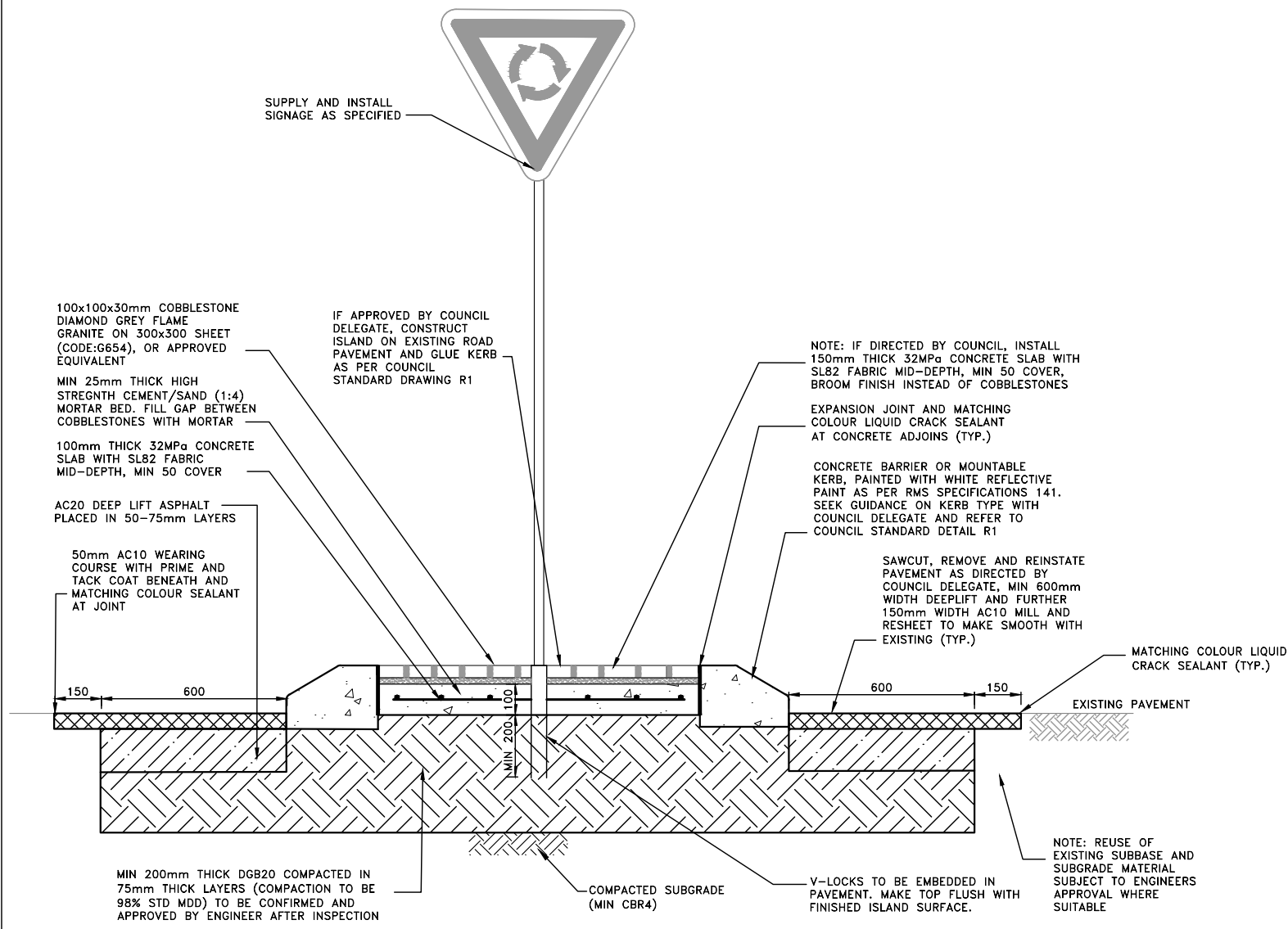
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A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ						

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DATUM: N/A

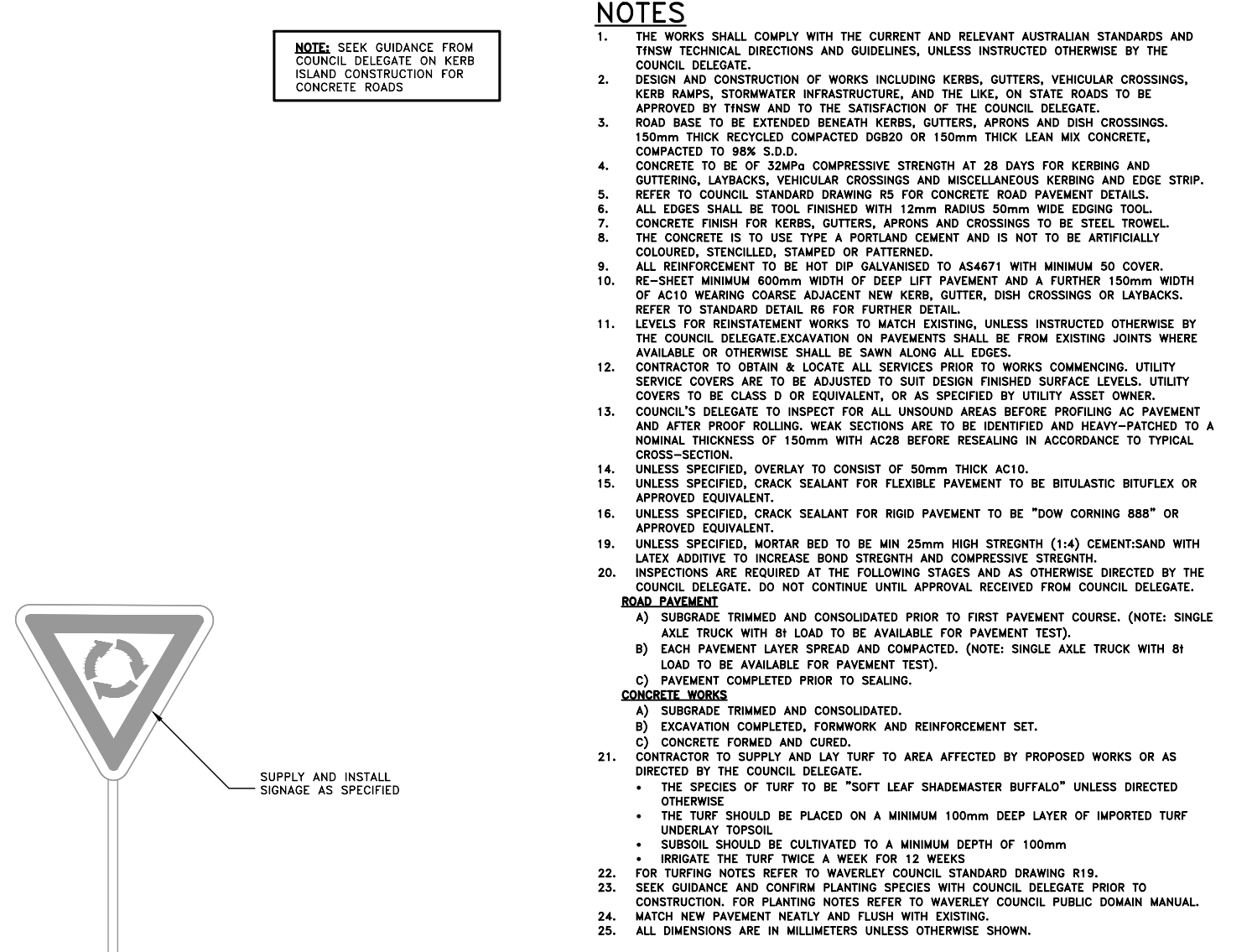
CIVIL DESIGN, MAJOR PROJECTS
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WAVERLEY COUNCIL

APPROVED:	Project Name:	PROJ No:
DATE SIGNED:	STANDARD DRAWING - ROADS - R10	WC STD DRW
SCALE AS SHOWN @ A3:	Drawing Title:	TRIM No:
PLAN:	TYPICAL CONTINUOUS FOOTPATH TREATMENT	XXXX
LONG-SECTION VERT:		Drawing No:
CROSS-SECTION VERT:		R10
		Issue:
		A



COBBLESTONE KERB ISLAND WITH SIGN
NOT TO SCALE



PLANTED KERB ISLAND WITH SIGN
NOT TO SCALE

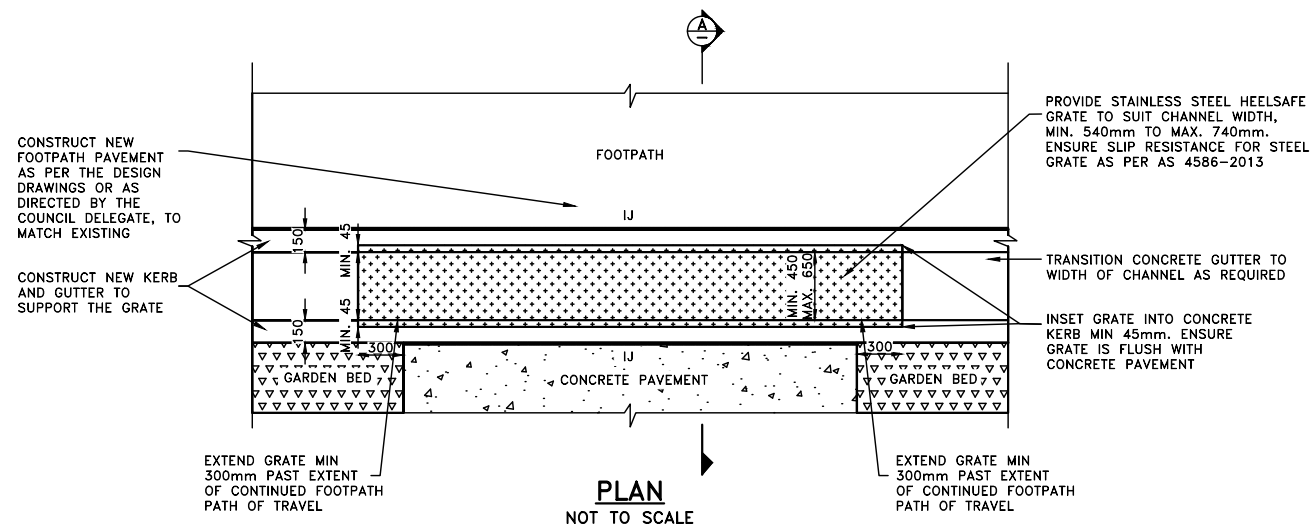
NOTE: SEEK GUIDANCE FROM COUNCIL DELEGATE ON KERB ISLAND CONSTRUCTION FOR CONCRETE ROADS

NOTES

- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
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- ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
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- ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL.
- CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
- THE CONCRETE IS TO USE TYPE A PORTLAND CEMENT AND IS NOT TO BE ARTIFICIALLY COLOURED, STENCILLED, STAMPED OR PATTERNED.
- ALL REINFORCEMENT TO BE HOT DIP GALVANISED TO AS4671 WITH MINIMUM 50 COVER.
- RE-SHEET MINIMUM 600mm WIDTH OF DEEP LIFT PAVEMENT AND A FURTHER 150mm WIDTH OF AC10 WEARING COARSE ADJACENT NEW KERB, GUTTER, DISH CROSSINGS OR LAYBACKS. REFER TO STANDARD DETAIL R6 FOR FURTHER DETAIL.
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- UNLESS SPECIFIED, CRACK SEALANT FOR FLEXIBLE PAVEMENT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
- UNLESS SPECIFIED, CRACK SEALANT FOR RIGID PAVEMENT TO BE "DOW CORNING 888" OR APPROVED EQUIVALENT.
- UNLESS SPECIFIED, MORTAR BED TO BE MIN 25mm HIGH STRENGTH (1:4) CEMENT-SAND WITH LATEX ADDITIVE TO INCREASE BOND STRENGTH AND COMPRESSIVE STRENGTH.
- INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. DO NOT CONTINUE UNTIL APPROVAL RECEIVED FROM COUNCIL DELEGATE.
 - ROAD PAVEMENT**
 - A) SUBGRADE TRIMMED AND CONSOLIDATED PRIOR TO FIRST PAVEMENT COURSE. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
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 - CONCRETE WORKS**
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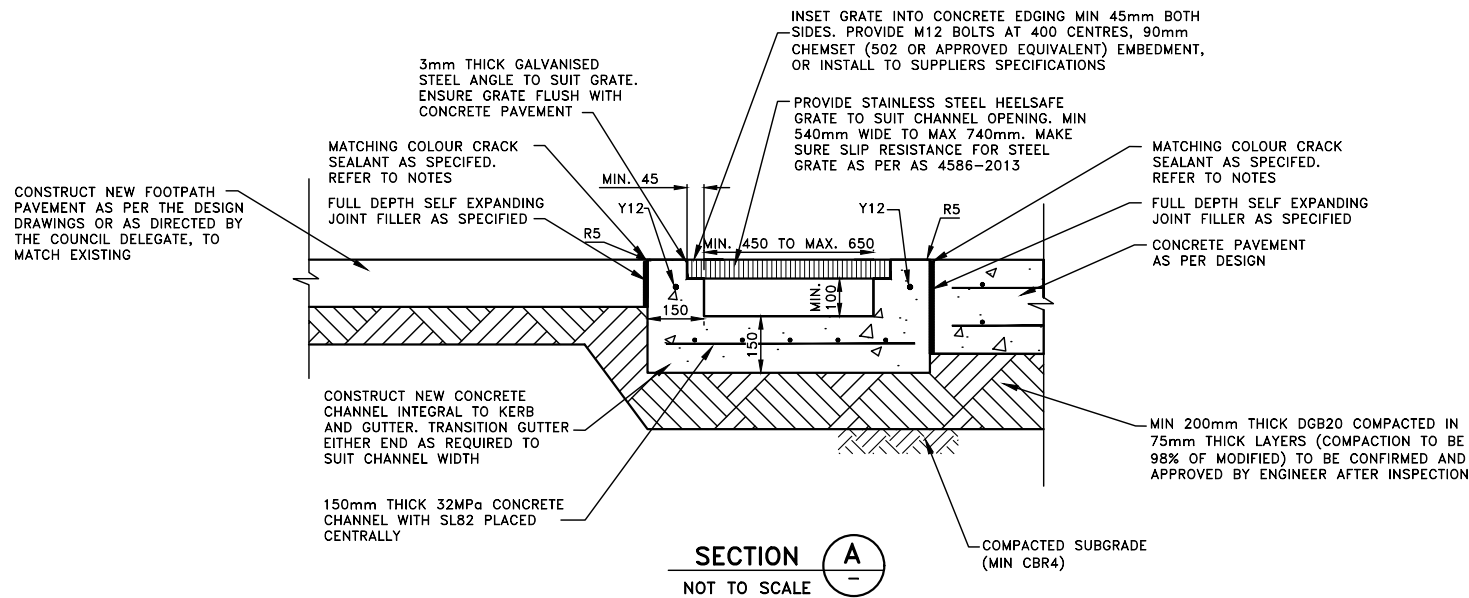
NOTE
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								SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A								CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au				APPROVED: DATE SIGNED: SCALE AS SHOWN @ A3: PLAN: LONG-SECTION VERT: - CROSS-SECTION VERT: -				Project Name: STANDARD DRAWING - ROADS - R11 Drawing Title: TYPICAL KERB ISLAND				PROJ No: WC STD DRW TRIM No: XXXX		Drawing No: R11 Issue: A	
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ																										
ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER																				



LEGEND

IJ ISOLATION JOINT



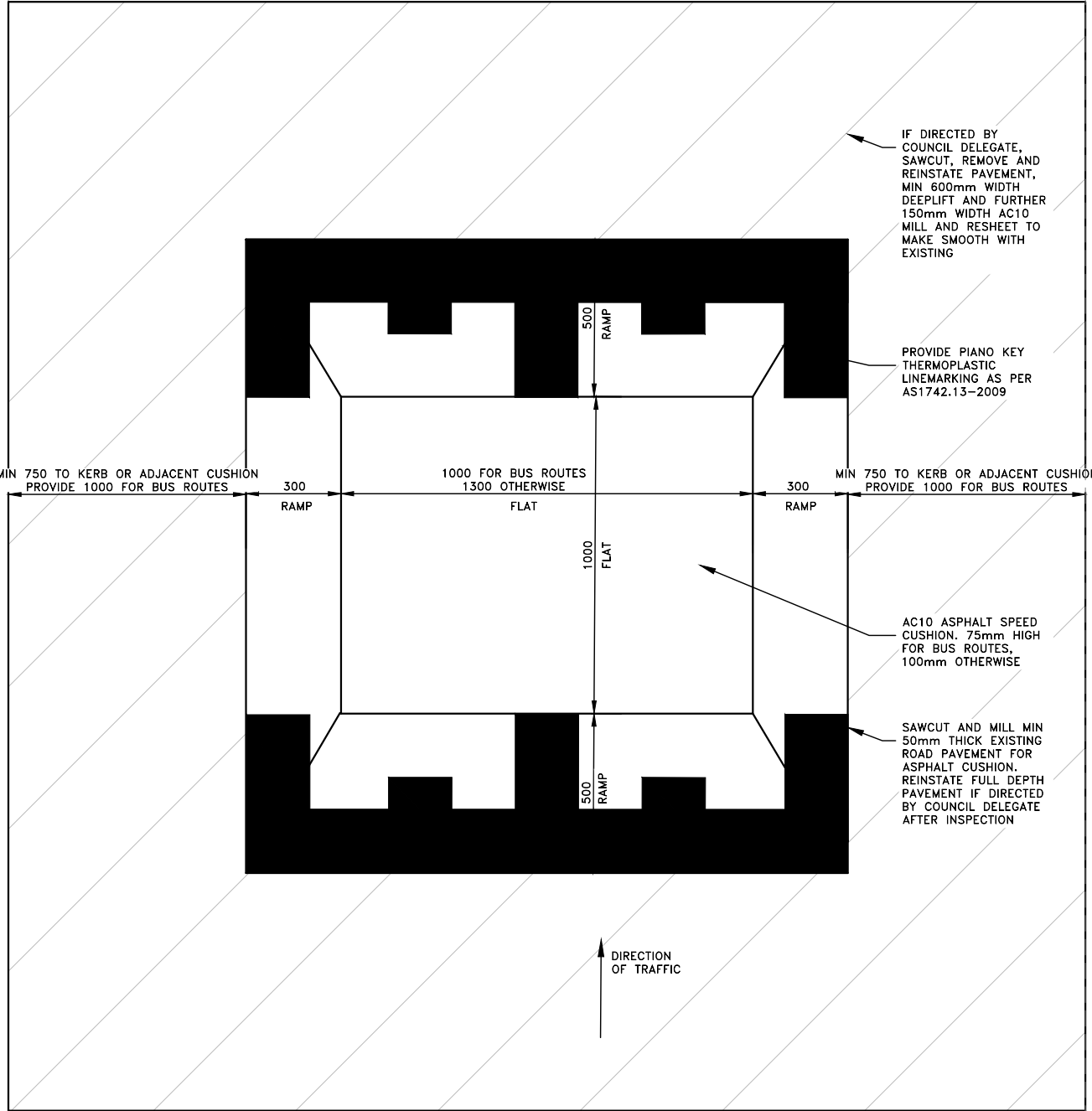
NOTES

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- RECONSTRUCT FOOTPATH EACH SIDE OF RAISED THRESHOLD TO SUIT NEW CROSSING. ACHIEVE MAXIMUM LONGITUDINAL GRADE OF 5% TO EXISTING, UNLESS DIRECTED OTHERWISE.
 - PROVIDE EXPANSION JOINTS FOR FOOTPATH PAVEMENT AS APPROPRIATE BUT SPACED NOT MORE THAN 6m AND TOOL JOINTS EVERY 1.5m, OR AS SPECIFIED. JOINTS SHALL BE STRAIGHT, CONTINUOUS AND NORMAL TO BOUNDARIES AND EDGES. PROVIDE FULL DEPTH EXPANSION JOINTS TO BOUNDARIES, STRUCTURES, KERBS, EDGES AND THE LIKE.
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NOTE
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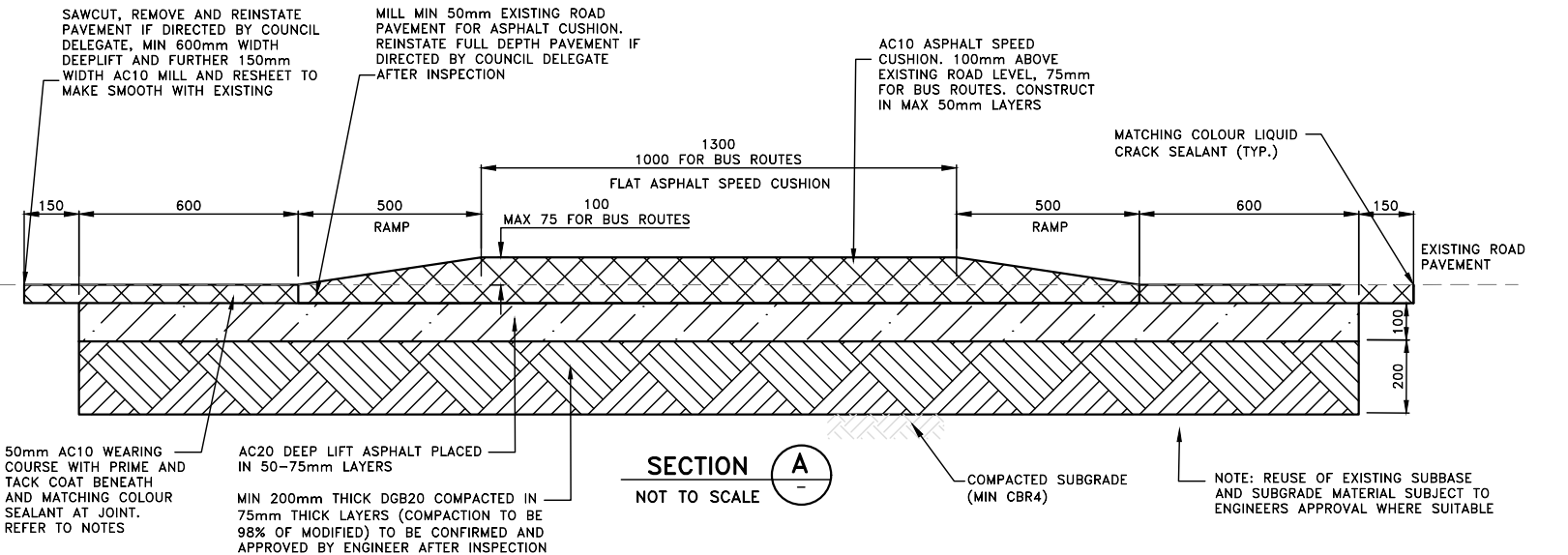
NOTE
GUTTER BRIDGES ARE FOR RESTRICTED LOCATIONS. SEEK APPROVAL FROM COUNCIL DELEGATE PRIOR TO CONSTRUCTION

												CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel. (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au		APPROVED: DATE SIGNED:		Project Name: STANDARD DRAWING - ROADS - R12		PROJ No: WC STD DRW	
A ORIGINAL ISSUE 11/10/24 AM AM NZ										SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A		SCALE AS SHOWN @ A3: PLAN: LONG-SECTION VERT: - CROSS-SECTION VERT: -		Drawing Title: CONCRETE GUTTER BRIDGE		TRIM No: XXXX		Drawing No: R12	
ISSUE ISSUE DESCRIPTION DATE DRN DES VER ISSUE ISSUE DESCRIPTION DATE DRN DES VER																			

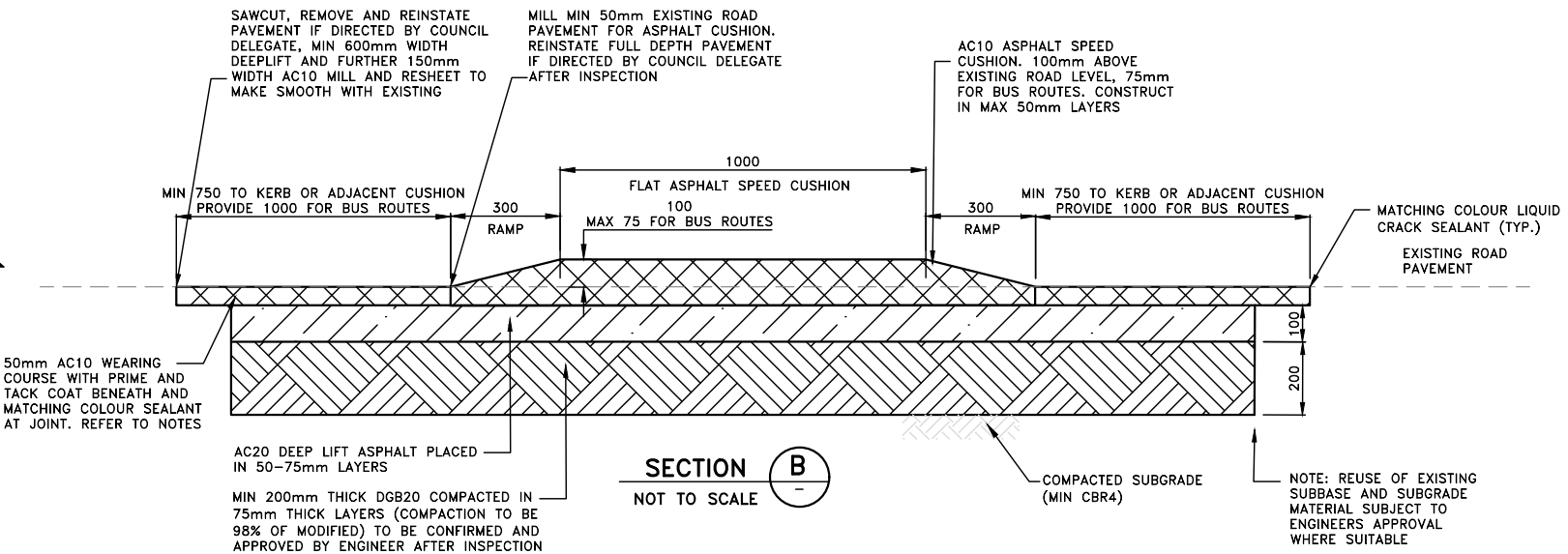


ASPHALT SPEED CUSHION
PLAN DETAIL
 NOT TO SCALE

NOTE
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SECTION A
 NOT TO SCALE



SECTION B
 NOT TO SCALE

NOTES

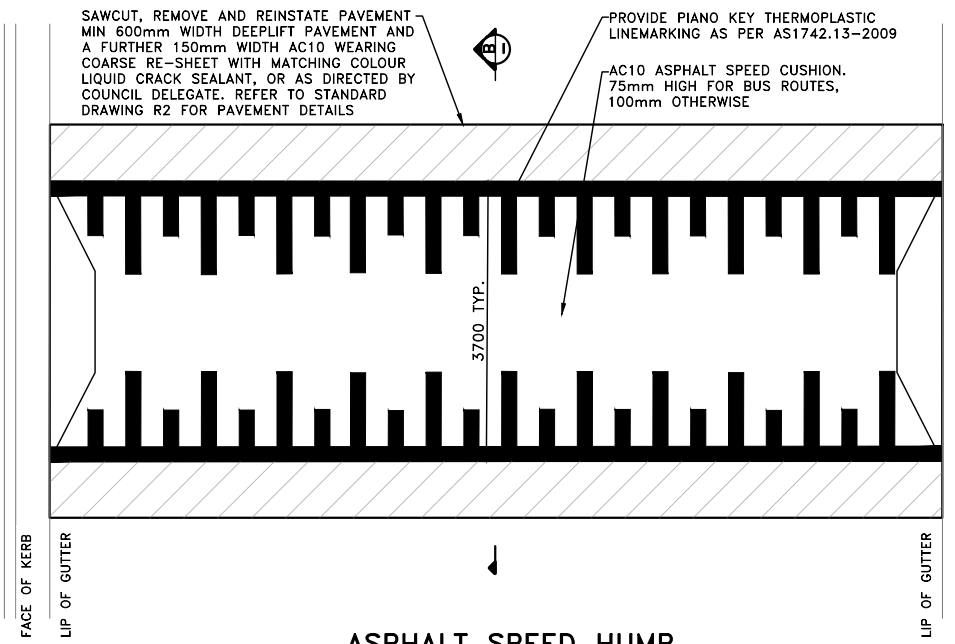
- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - DESIGN AND CONSTRUCTION OF WORKS ON STATE ROADS TO BE APPROVED BY TNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
 - ROAD BASE TO BE EXTENDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS. 150mm THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE, COMPACTED TO 98% S.D.D.
 - CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS FOR KERBING AND GUTTERING AND MISCELLANEOUS KERBING AND EDGE STRIP.
 - ALL EDGES SHALL BE TOOL FINISHED WITH 12mm RADIUS 50mm WIDE EDGING TOOL.
 - CONCRETE FINISH FOR KERBS, GUTTERS, APRONS AND CROSSINGS TO BE STEEL TROWEL.
 - PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
 - RE-SHEET MINIMUM 600mm WIDTH OF DEEP LIFT PAVEMENT AND A FURTHER 150mm WIDTH OF AC10 WEARING COARSE ADJACENT NEW KERB, GUTTER, DISH CROSSINGS OR LAYBACKS. REFER TO STANDARD DETAIL R6 FOR FURTHER DETAIL.
 - REFER TO COUNCIL STANDARD DRAWING R5 FOR CONCRETE ROAD PAVEMENT DETAILS.
 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - EXCAVATION SHALL BE FROM EXISTING JOINTS IN THE PAVEMENT IF AVAILABLE, OR SAWN ALONG ALL EDGES.
 - CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.
 - COUNCIL'S DELEGATE TO INSPECT FOR ALL UNSOUND AREAS BEFORE PROFILING AC PAVEMENT AND AFTER PROOF ROLLING. WEAK SECTIONS ARE TO BE IDENTIFIED AND HEAVY-PATCHED TO A NOMINAL THICKNESS OF 150mm WITH AC28 BEFORE RESEALING IN ACCORDANCE TO TYPICAL CROSS-SECTION.
 - UNLESS SPECIFIED, OVERLAY TO CONSIST OF 50mm THICK AC10.
 - UNLESS SPECIFIED, CRACK SEALANT FOR FLEXIBLE PAVEMENT TO BE BITULASTIC BITUFLEX OR APPROVED EQUIVALENT.
 - UNLESS SPECIFIED, CRACK SEALANT FOR RIGID PAVEMENT TO BE "DOW CORNING 888" OR APPROVED EQUIVALENT.
 - INSPECTIONS ARE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL DELEGATE. DO NOT CONTINUE UNTIL APPROVAL RECEIVED FROM COUNCIL DELEGATE.
- ROAD PAVEMENT**
- SUBGRADE TRIMMED AND CONSOLIDATED PRIOR TO FIRST PAVEMENT COURSE. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - EACH PAVEMENT LAYER SPREAD AND COMPACTED. (NOTE: SINGLE AXLE TRUCK WITH 8t LOAD TO BE AVAILABLE FOR PAVEMENT TEST).
 - PAVEMENT COMPLETED PRIOR TO SEALING.
- CONCRETE WORKS**
- SUBGRADE TRIMMED AND CONSOLIDATED.
 - EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
 - CONCRETE FORMED AND CURED.
- MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

SURVEYED BY: N/A				CIVIL DESIGN, MAJOR PROJECTS				APPROVED:				Project Name: STANDARD DRAWING - ROADS - R13				PROJ No: WC STD DRW			
DATE: N/A				Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022				DATE SIGNED:				Drawing Title: ASPHALT SPEED CUSHION				TRIM No: XXXX			
COORDINATION: N/A				Tel: (02) 9083 8000				SCALE AS SHOWN @ A3:				Drawing No: R13				Issue: A			
DATUM: N/A				Email: info@waverley.nsw.gov.au				PLAN: 1:25				LONG-SECTION VERT: -				CROSS-SECTION VERT: -			
A ORIGINAL ISSUE				11/10/24 AM AM NZ															
ISSUE DESCRIPTION				DATE DRN DES VER				DATE DRN DES VER				DATE DRN DES VER							

NOTES

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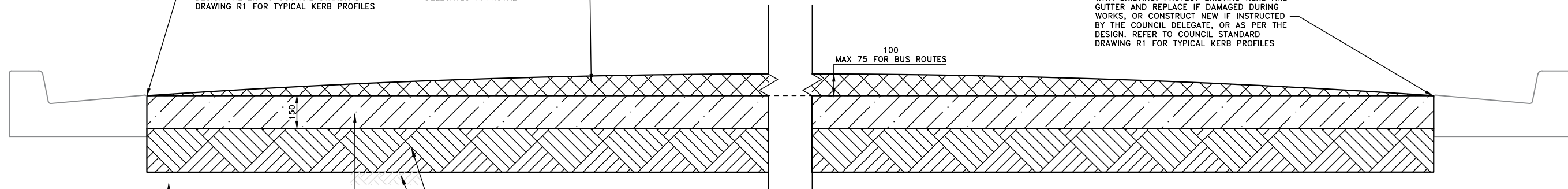


**ASPHALT SPEED HUMP
PLAN DETAIL
NOT TO SCALE**

REMOVE ROAD PAVEMENT FROM EXISTING GUTTER LIP AND MEET NEW HUMP SMOOTHLY WITH EXISTING. PROTECT EXISTING KERB AND GUTTER AND REPLACE IF DAMAGED DURING WORKS, OR CONSTRUCT NEW IF INSTRUCTED BY THE COUNCIL DELEGATE, OR AS PER THE DESIGN. REFER TO COUNCIL STANDARD DRAWING R1 FOR TYPICAL KERB PROFILES

AC10 ASPHALT SPEED CUSHION. 100mm ABOVE EXISTING ROAD LEVEL, 75mm FOR BUS ROUTES. CONSTRUCT IN MAX 50mm LAYERS. REUSE OF EXISTING ROAD SURFACE AS BASE SUBJECT TO COUNCIL DELEGATES APPROVAL

REMOVE ROAD PAVEMENT FROM EXISTING GUTTER LIP AND MEET NEW HUMP SMOOTHLY WITH EXISTING. PROTECT EXISTING KERB AND GUTTER AND REPLACE IF DAMAGED DURING WORKS, OR CONSTRUCT NEW IF INSTRUCTED BY THE COUNCIL DELEGATE, OR AS PER THE DESIGN. REFER TO COUNCIL STANDARD DRAWING R1 FOR TYPICAL KERB PROFILES



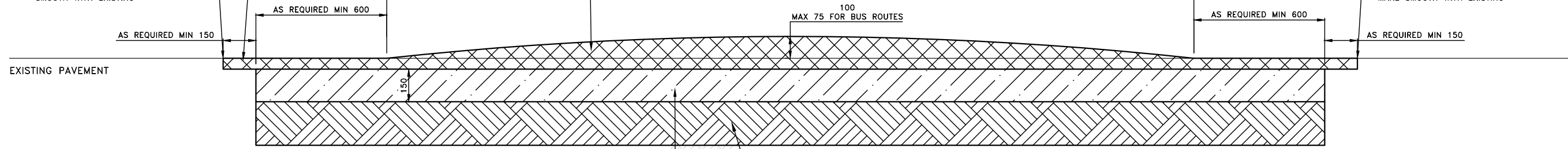
**SECTION A
NOT TO SCALE**

SAWCUT, REMOVE AND REINSTATE PAVEMENT AS DIRECTED BY COUNCIL DELEGATE, MIN 600mm WIDTH DEEPLIFT AND FURTHER 150mm WIDTH AC10 MILL AND RESHEET WITH MATCHING COLOUR LIQUID CRACK SEALANT TO MAKE SMOOTH WITH EXISTING

50mm AC10 WEARING COURSE WITH PRIME AND TACK COAT BENEATH

AC10 ASPHALT SPEED CUSHION. 100mm ABOVE EXISTING ROAD LEVEL, 75mm FOR BUS ROUTES. CONSTRUCT IN MAX 50mm LAYERS. REUSE OF EXISTING ROAD SURFACE AS BASE SUBJECT TO COUNCIL DELEGATES APPROVAL

SAWCUT, REMOVE AND REINSTATE PAVEMENT AS DIRECTED BY COUNCIL DELEGATE, MIN 600mm WIDTH DEEPLIFT AND FURTHER 150mm WIDTH AC10 MILL AND RESHEET WITH MATCHING COLOUR LIQUID CRACK SEALANT TO MAKE SMOOTH WITH EXISTING



**SECTION B
NOT TO SCALE**

NOTE
ANY CONSTRUCTION WITHIN THE PUBLIC DOMAIN REQUIRES COUNCIL APPROVAL. NON-APPROVED WORKS AND STRUCTURES MAY BE REQUIRED TO BE REMOVED AND THE EXISTING REINSTATED AT THE CONTRACTORS OR DEVELOPERS COST

ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ						

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www.beforeyoudig.com.au

WAVERLEY
CIVIL DESIGN, MAJOR PROJECTS
Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022
PO Box 9, Bondi Junction NSW 1535
Tel: (02) 9083 8000
Email: info@waverley.nsw.gov.au
Web: www.waverley.nsw.gov.au

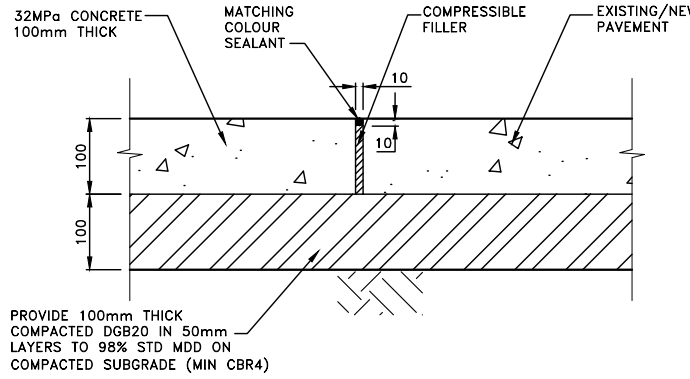
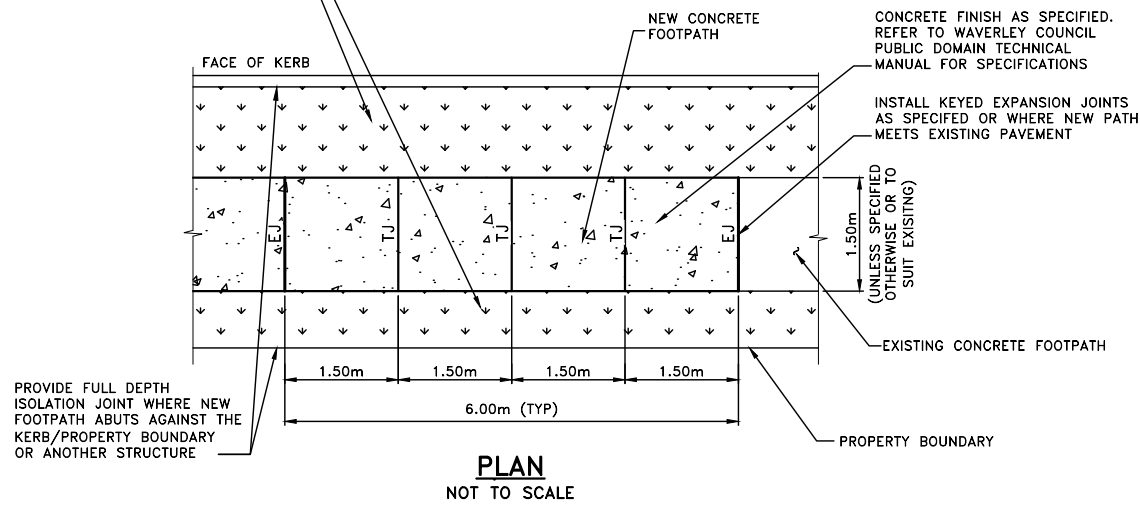
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DATE: N/A
COORDINATION: N/A
DATUM: N/A

APPROVED: [Signature]
DATE SIGNED: [Date]
SCALE AS SHOWN @ A3:
PLAN: 1:25
LONG-SECTION VERT: - CROSS-SECTION VERT: -

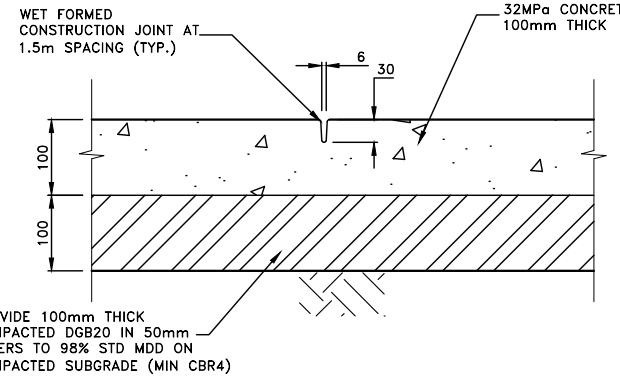
Project Name: **STANDARD DRAWING - ROADS - R14**
Drawing Title: **WATTS PROFILE SPEED HUMP**

PROJ No:	WC STD DRW
TRIM No:	XXXX
Drawing No:	R14
Issue:	A

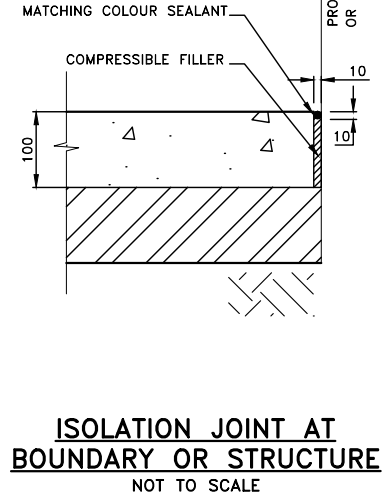
REINSTATE NATURE STRIP/ TURF AS DIRECTED BY COUNCIL DELEGATE. REFER TO NOTE 16 FOR SPECIFICATIONS



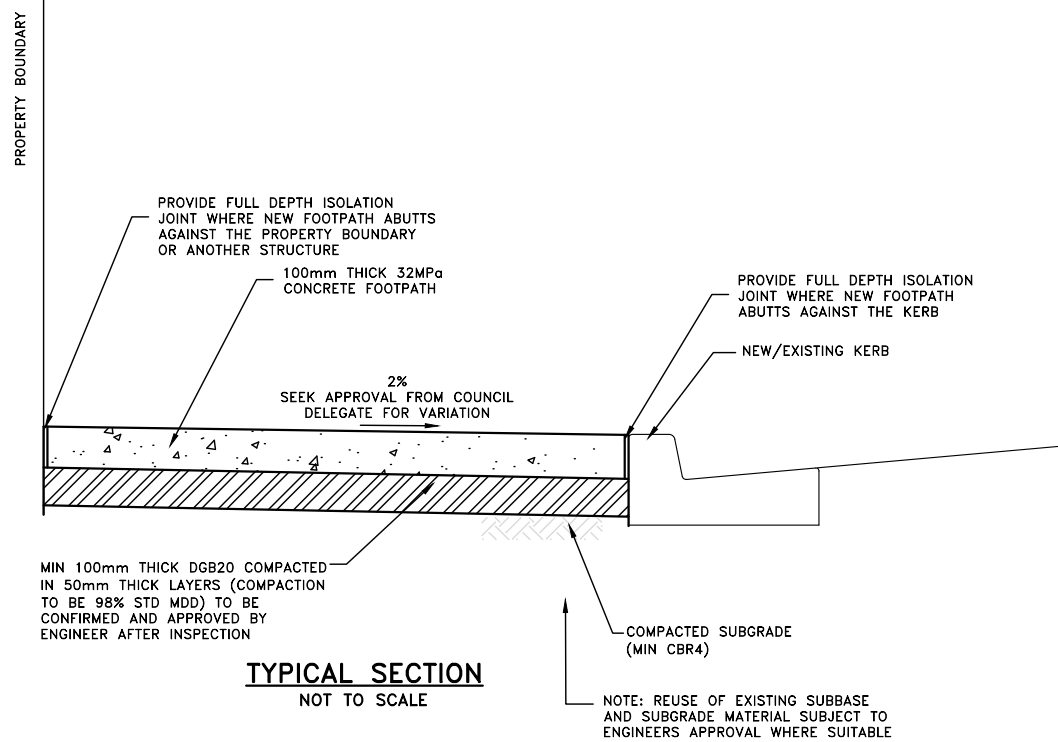
ISOLATION JOINT
NOT TO SCALE



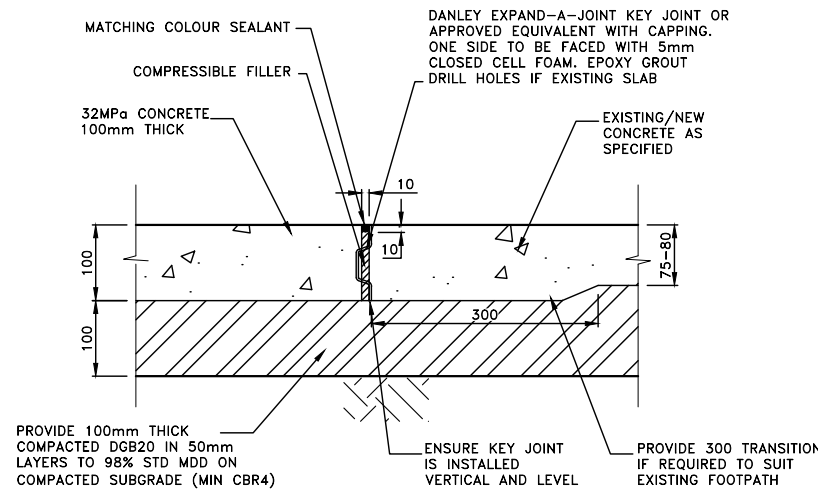
TOOL JOINT
NOT TO SCALE



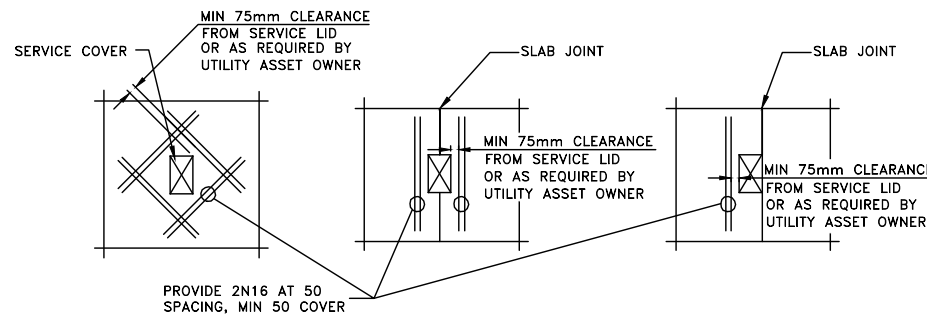
ISOLATION JOINT AT BOUNDARY OR STRUCTURE
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE



KEYED EXPANSION JOINT
NOT TO SCALE



TRIMMER BARS AT SERVICE PITS AND LID COVERS
NOT TO SCALE

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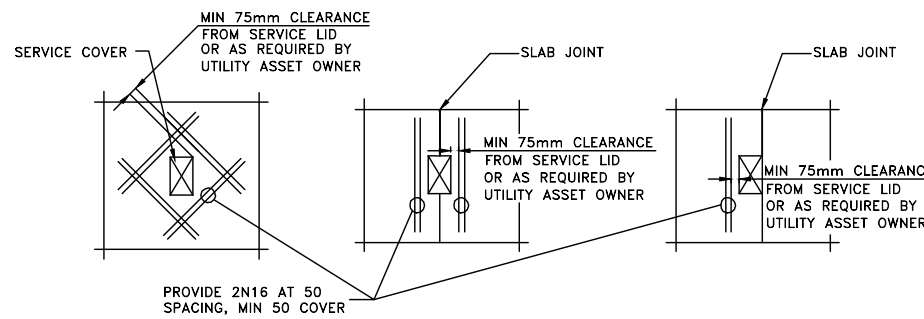
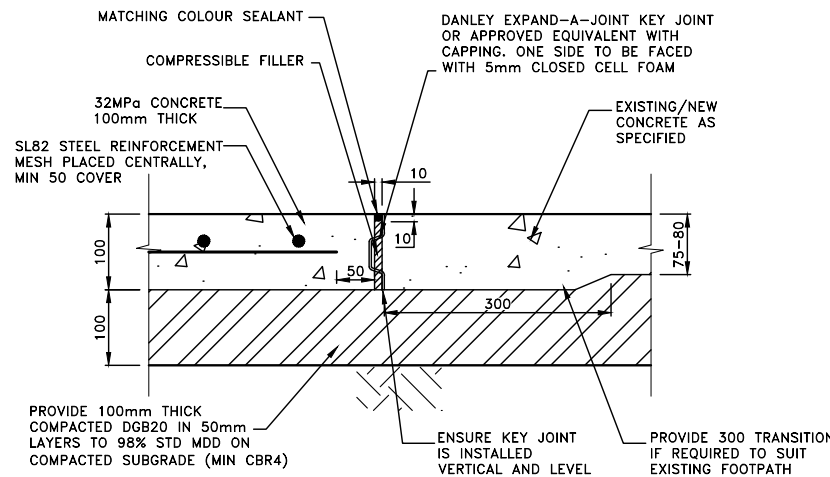
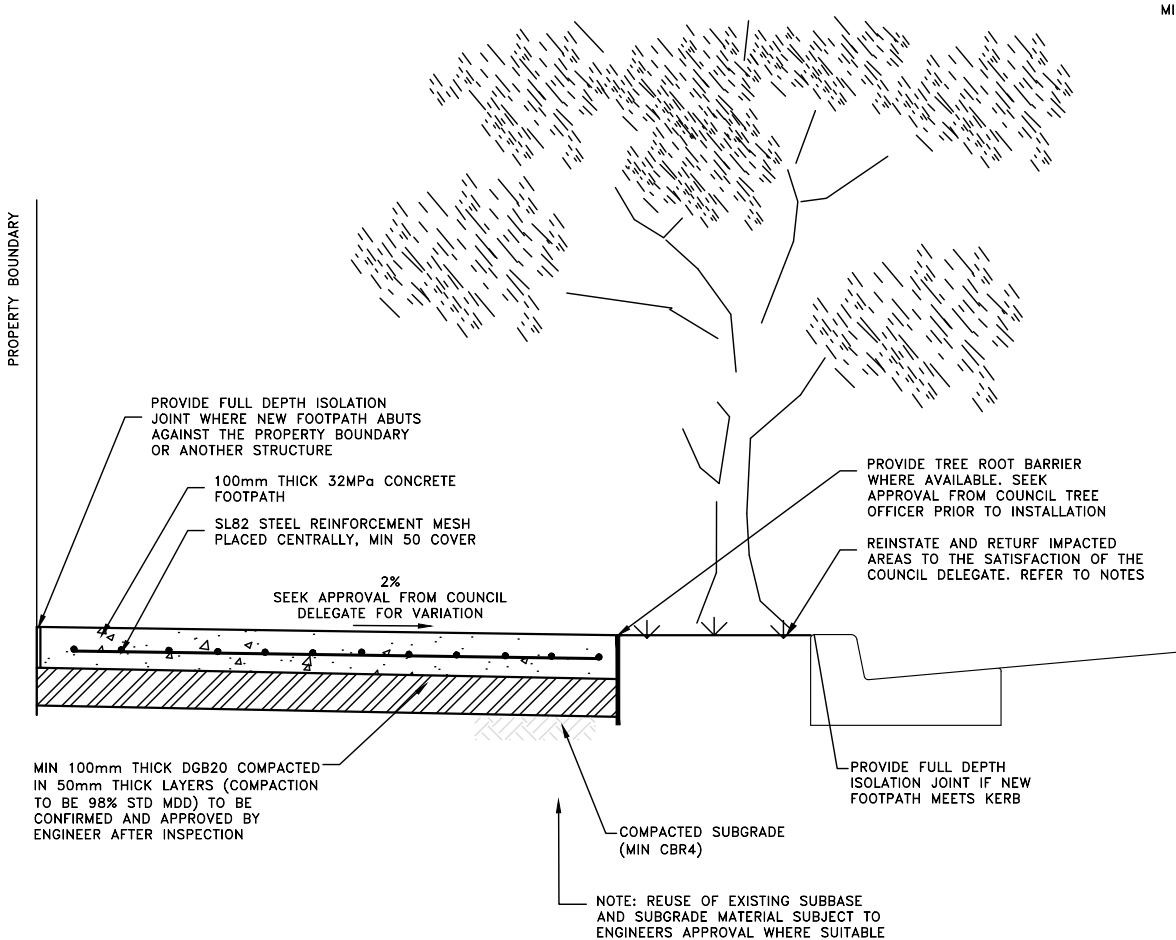
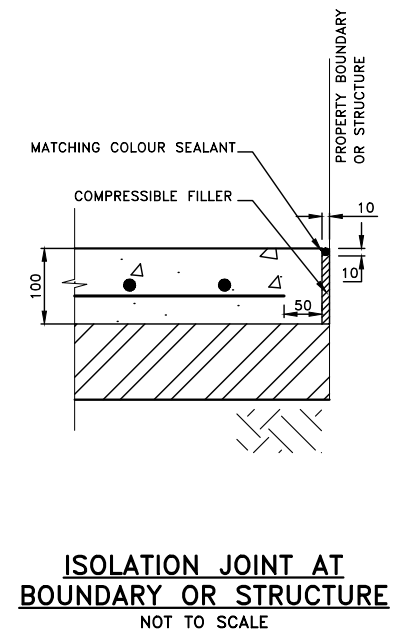
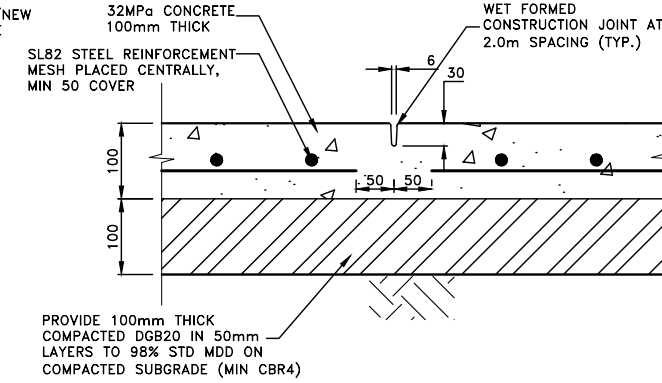
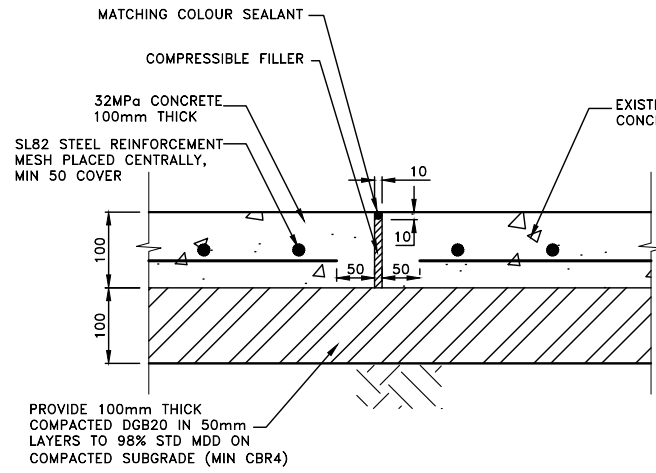
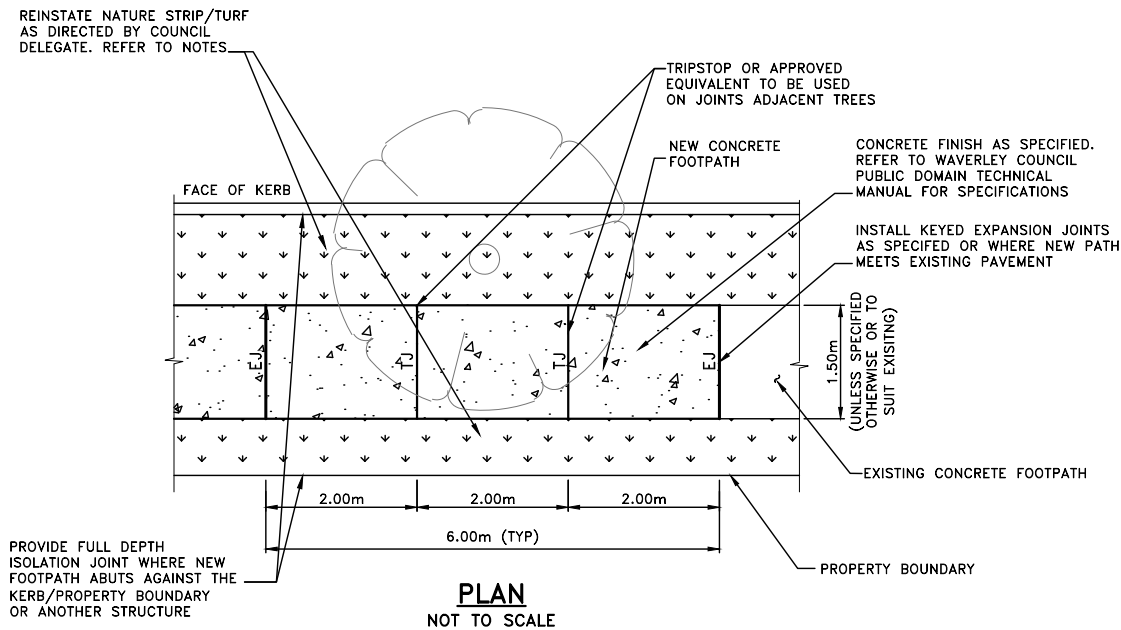
LEGEND
TJ TOOL JOINT
EJ EXPANSION JOINT
IJ ISOLATION JOINT

NOTE
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 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - FOOTPATH CROSS FALL TO BE MAXIMUM 2% AND MINIMUM 1%. SEEK APPROVAL FROM COUNCIL DELEGATE FOR FALLS OUTSIDE OF THIS RANGE.
 - MAXIMUM LONGITUDINAL GRADE OF 5%, UNLESS DIRECTED OTHERWISE BY COUNCIL DELEGATE.
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 - CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.
 - CONTRACTOR TO ENSURE A 500x500mm EXCLUSION ZONE IS PROVIDED AROUND ALL POWER POLES. NO CONCRETE TO BE POURED IN EXCLUSION ZONE. EXCLUSION ZONE TO BE FILLED WITH ASPHALT COLD MIX ONLY.
 - EXISTING PLAQUES OR STATE SURVEY MARKERS ARE NOT TO BE REMOVED PRIOR TO CONSULTING WITH THE COUNCIL DELEGATE.
 - PROTECT ALL EXISTING TREES AND TREE ROOTS. NOTIFY THE COUNCIL DELEGATE AND TREE OFFICER PRIOR TO PRUNING.
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 - CONCRETE FORMED AND CURED.
- PROVIDE EXPANSION JOINTS AS APPROPRIATE BUT SPACED NOT MORE THAN 6m AND TOOL JOINTS EVERY 1.5m, OR AS SPECIFIED. JOINTS SHALL BE STRAIGHT, CONTINUOUS AND NORMAL TO BOUNDARIES AND EDGES. PROVIDE FULL DEPTH EXPANSION JOINTS TO BOUNDARIES, STRUCTURES, KERBS, EDGES AND THE LIKE.
 - CONTRACTOR TO SUPPLY AND LAY TURF TO AREA AFFECTED BY PROPOSED WORKS OR AS DIRECTED BY THE COUNCIL DELEGATE.
 - THE SPECIES OF TURF TO BE "SOFT LEAF SHADEMASTER BUFFALO" UNLESS DIRECTED OTHERWISE
 - THE TURF SHOULD BE PLACED ON A MINIMUM 100mm DEEP LAYER OF IMPORTED TURF UNDERLAY TOPSOIL
 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS, OR AS INSTRUCTED BY THE COUNCIL DELEGATE
 - FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
 - PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
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																				<p>APPROVED: _____</p> <p>DATE SIGNED: _____</p> <p>SCALE AS SHOWN @ A3:</p> <p>PLAN: _____</p> <p>HORIZ: - CROSS-SECTION: -</p> <p>LONG-SECTION: - VERT: -</p>										<p>Project Name: STANDARD DRAWING - ROADS - R15</p> <p>Drawing Title: UNREINFORCED CONCRETE FOOTPATH</p>										<p>PROJ No: WC STD DRW</p> <p>TRIM No: XXXX</p> <p>Drawing No: R15</p> <p>Issue: A</p>									
<p>SURVEYED BY: N/A</p> <p>DATE: N/A</p> <p>COORDINATION: N/A</p> <p>DATUM: N/A</p>										<p>CIVIL DESIGN, MAJOR PROJECTS</p> <p>Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022</p> <p>PO Box 9, Bondi Junction NSW 1555</p> <p>Tel. (02) 9083 8000</p> <p>Email: info@waverley.nsw.gov.au</p> <p>Web: www.waverley.nsw.gov.au</p>										<p>Project Name: STANDARD DRAWING - ROADS - R15</p> <p>Drawing Title: UNREINFORCED CONCRETE FOOTPATH</p>										<p>PROJ No: WC STD DRW</p> <p>TRIM No: XXXX</p> <p>Drawing No: R15</p> <p>Issue: A</p>																			
<p>A ORIGINAL ISSUE</p> <p>ISSUE ISSUE DESCRIPTION</p>										<p>11/10/24 AM AM NZ</p> <p>DATE DRN DES VER</p>										<p>ISSUE ISSUE DESCRIPTION</p> <p>DATE DRN DES VER</p>										<p>DATE DRN DES VER</p>																			



LEGEND

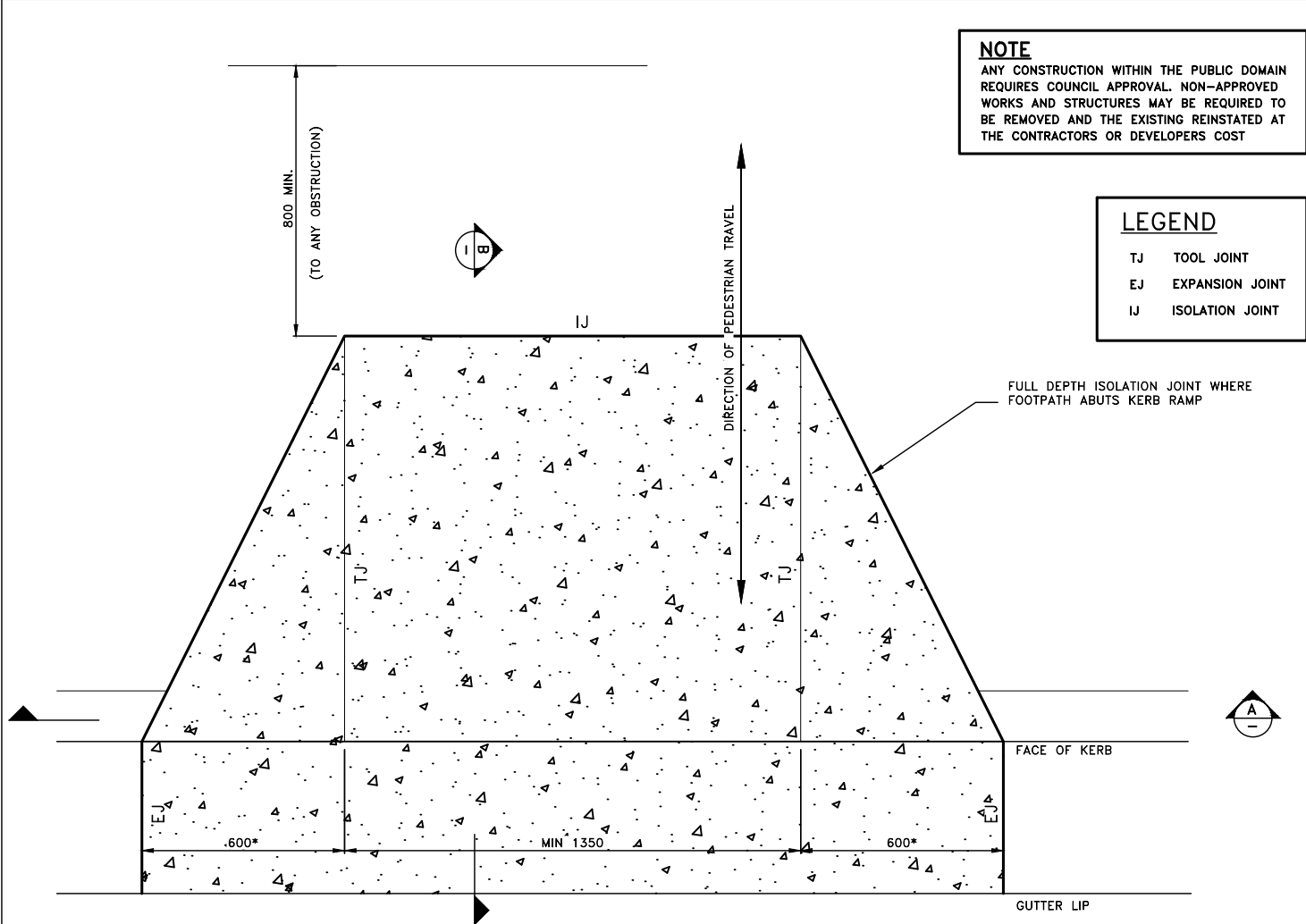
TJ	TOOL JOINT
EJ	EXPANSION JOINT
IJ	ISOLATION JOINT

NOTE
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NOTES

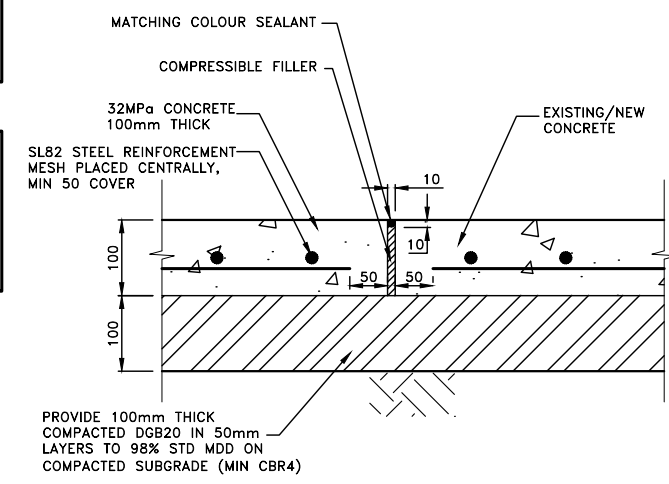
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 - A) SUBGRADE TRIMMED AND CONSOLIDATED.
 - B) EXCAVATION COMPLETED, FORMWORK AND REINFORCEMENT SET.
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- PROVIDE EXPANSION JOINTS AS APPROPRIATE BUT SPACED NOT MORE THAN 6m AND TOOL JOINTS EVERY 2.0m, OR AS SPECIFIED. JOINTS SHALL BE STRAIGHT, CONTINUOUS AND NORMAL TO BOUNDARIES AND EDGES. PROVIDE FULL DEPTH EXPANSION JOINTS TO BOUNDARIES, STRUCTURES, KERBS, EDGES AND THE LIKE.
- CONTRACTOR TO SUPPLY AND LAY TURF TO AREA AFFECTED BY PROPOSED WORKS OR AS DIRECTED BY THE COUNCIL DELEGATE.
 - THE SPECIES OF TURF TO BE "SOFT LEAF SHADEMASTER BUFFALO" UNLESS DIRECTED OTHERWISE
 - THE TURF SHOULD BE PLACED ON A MINIMUM 100mm DEEP LAYER OF IMPORTED TURF UNDERLAY TOPSOIL
 - SUBSOIL SHOULD BE CULTIVATED TO A MINIMUM DEPTH OF 100mm
 - IRRIGATE THE TURF TWICE A WEEK FOR 12 WEEKS, OR AS INSTRUCTED BY THE COUNCIL DELEGATE
- FOR TURFING NOTES REFER TO WAVERLEY COUNCIL STANDARD DRAWING R18.
- PROPERTY STORMWATER OUTLET TO BE 125x75x4 RHS, OR TO SUIT EXISTING, MAINTAINING GRAVITY TO FALL TO K&G. INVERT OF OUTLET TO BE LEVEL WITH INVERT OF GUTTER AND MIN 200mm FROM END OF DRIVEWAY OR KERB RAMP LAYBACK.
- MATCH NEW PAVEMENT NEATLY AND FLUSH WITH EXISTING.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

				SURVEYED BY: N/A DATE: N/A COORDINATION: N/A DATUM: N/A								CIVIL DESIGN, MAJOR PROJECTS Level 1, 87-89 Oxford Street, Bondi Junction, NSW, 2022 PO Box 9, Bondi Junction NSW 1555 Tel: (02) 9083 8000 Email: info@waverley.nsw.gov.au Web: www.waverley.nsw.gov.au				APPROVED: _____ DATE SIGNED: _____ SCALE AS SHOWN @ A3: PLAN: _____ LONG-SECTION: _____ HORIZ: - VERT: -				Project Name: STANDARD DRAWING - ROADS - R16 Drawing Title: REINFORCED CONCRETE FOOTPATH				PROJ No: WC STD DRW TRIM No: XXXX		Drawing No: R16 Issue: A	
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ																						
ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER																

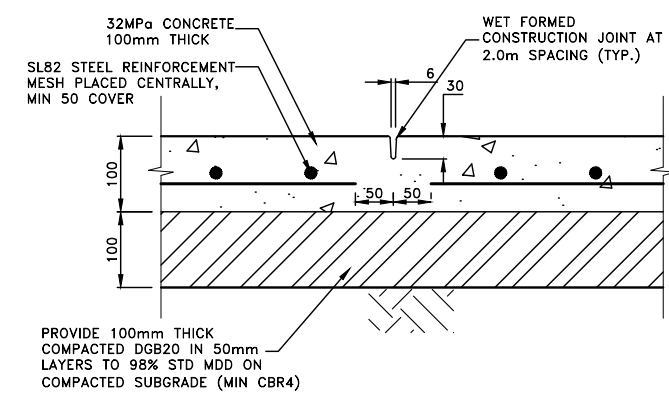


KERB RAMP PLAN DETAIL (TYPICAL)
NOT TO SCALE

* **NOTE:** SEEK APPROVAL FROM COUNCIL DELEGATE PRIOR IF RESTRICTED BY SITE CONDITIONS



ISOLATION JOINT
NOT TO SCALE



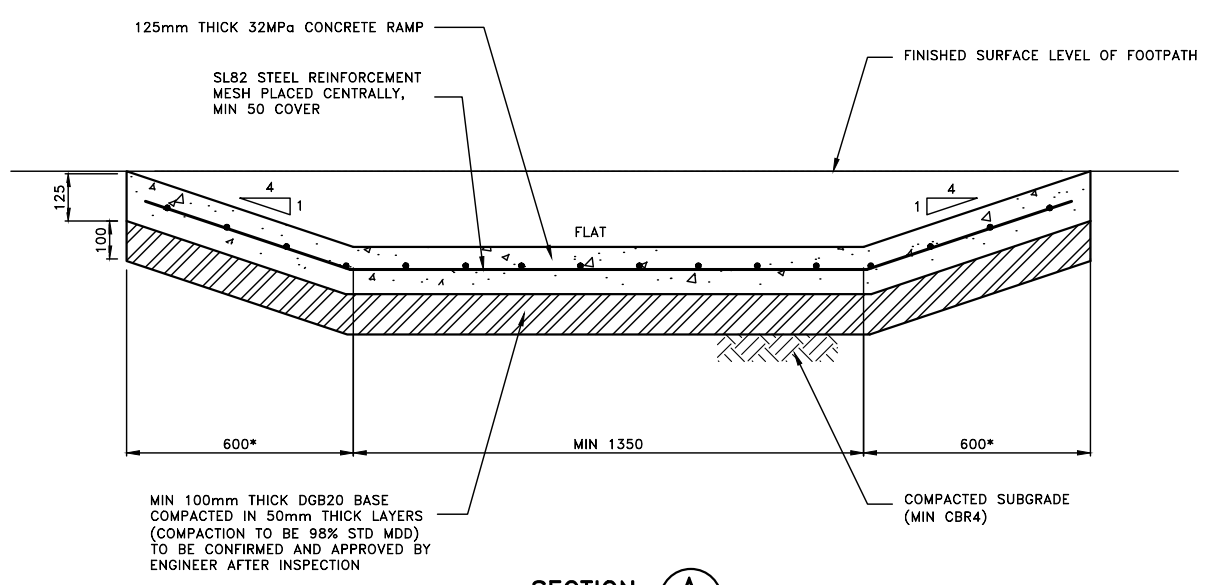
TOOL JOINT
NOT TO SCALE

NOTES

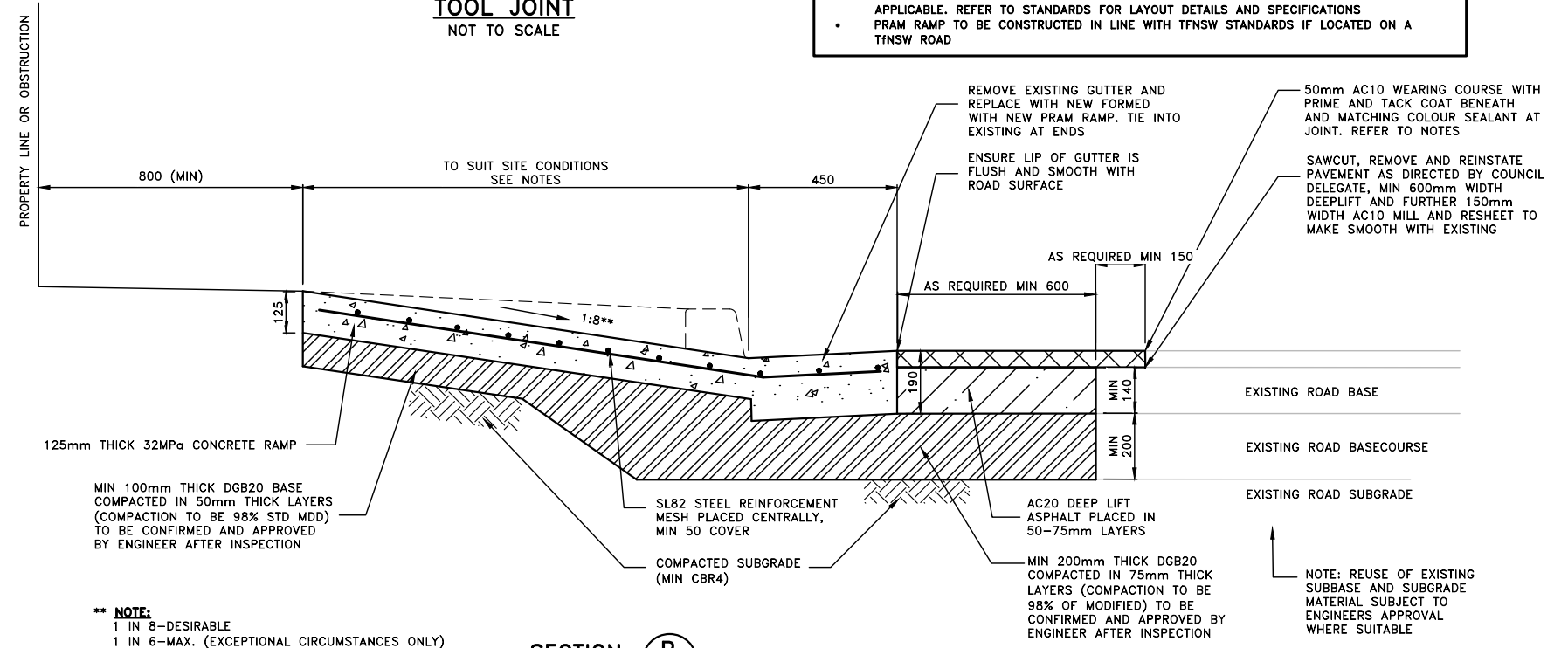
- THE WORKS SHALL COMPLY WITH THE CURRENT AND RELEVANT AUSTRALIAN STANDARDS AND TfNSW TECHNICAL DIRECTIONS AND GUIDELINES, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - DESIGN AND CONSTRUCTION OF WORKS INCLUDING KERBS, GUTTERS, VEHICULAR CROSSINGS, KERB RAMPS, STORMWATER INFRASTRUCTURE, AND THE LIKE, ON STATE ROADS TO BE APPROVED BY TfNSW AND TO THE SATISFACTION OF THE COUNCIL DELEGATE.
 - CONCRETE TO BE OF 32MPa COMPRESSIVE STRENGTH AT 28 DAYS. UNLESS SPECIFIED OTHERWISE, AGGREGATE TO BE BLUEMETAL 10mm TO 14mm.
 - CONCRETE TO BE FINISHED AS PER THE SPECIFICATIONS IN WAVERLEY COUNCIL PUBLIC DOMAIN TECHNICAL MANUAL, OR AS APPROVED BY THE COUNCIL DELEGATE.
 - ALL REINFORCEMENT TO BE HOT DIP GALVANISED TO AS4671 WITH MINIMUM 50 COVER.
 - LEVEL AT BUILDING ALIGNMENT IS TO COMPLY WITH LEVELS ISSUED IN THE DEVELOPMENT CONSENT, UNLESS OTHERWISE STATED BY THE COUNCIL DELEGATE.
 - LEVELS FOR REINSTATEMENT WORKS TO MATCH EXISTING, UNLESS INSTRUCTED OTHERWISE BY THE COUNCIL DELEGATE.
 - FOOTPATH CROSS FALL TO BE MAXIMUM 2% AND MINIMUM 1%. SEEK APPROVAL FROM COUNCIL DELEGATE FOR FALLS OUTSIDE OF THIS RANGE.
 - MAXIMUM LONGITUDINAL GRADE OF 5%, UNLESS DIRECTED OTHERWISE BY COUNCIL DELEGATE.
 - EXCAVATION ON FOOTPATHS SHALL BE FROM EXISTING JOINTS IN THE PAVEMENT IF AVAILABLE, OR SAWN ALONG ALL EDGES.
 - CONTRACTOR TO OBTAIN & LOCATE ALL SERVICES PRIOR TO WORKS COMMENCING. UTILITY SERVICE COVERS ARE TO BE ADJUSTED TO SUIT DESIGN FINISHED SURFACE LEVELS. UTILITY COVERS TO BE CLASS D OR EQUIVALENT, OR AS SPECIFIED BY UTILITY ASSET OWNER.
 - CONTRACTOR TO ENSURE A 500x500mm EXCLUSION ZONE IS PROVIDED AROUND ALL POWER POLES. NO CONCRETE TO BE POURED IN EXCLUSION ZONE. EXCLUSION ZONE TO BE FILLED WITH ASPHALT COLD MIX ONLY.
 - EXISTING PLAQUES OR STATE SURVEY MARKERS ARE NOT TO BE REMOVED PRIOR TO CONSULTING WITH THE COUNCIL DELEGATE.
 - PROTECT ALL EXISTING TREES AND TREE ROOTS. NOTIFY THE COUNCIL DELEGATE AND TREE OFFICER PRIOR TO PRUNING.
 - KEYED EXPANSION JOINTS TO BE INSTALLED WHERE ADJACENT TREES OR TREE ROOTS, AND AS DIRECTED BY THE COUNCIL DELEGATE.
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NOTES

- ALIGN KERB RAMPS WITH THE DESIRED DIRECTION OF PEDESTRIAN TRAVEL. AT PEDESTRIAN CROSSINGS AND SIGNALISED CROSSINGS RAMPS MUST LINE UP WITH THE MARKED CROSSINGS
- KERB RAMPS TO BE DIRECTLY OPPOSING EITHER SIDE OF THE ROAD OR CROSSING
- PRAM RAMPS TO BE CONSTRUCTED IN COMPLIANCE WITH AS1428.1 AND AS1428.4 WHERE APPLICABLE. REFER TO STANDARDS FOR LAYOUT DETAILS AND SPECIFICATIONS
- PRAM RAMP TO BE CONSTRUCTED IN LINE WITH TfNSW STANDARDS IF LOCATED ON A TfNSW ROAD



SECTION A
NOT TO SCALE



SECTION B
NOT TO SCALE

** **NOTE:**
1 IN 8--DESIRABLE
1 IN 6--MAX. (EXCEPTIONAL CIRCUMSTANCES ONLY)

ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER	ISSUE	ISSUE DESCRIPTION	DATE	DRN	DES	VER
A	ORIGINAL ISSUE	11/10/24	AM	AM	NZ						

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