

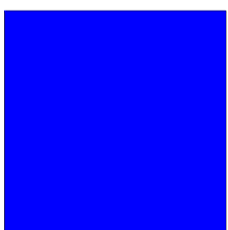
LOCALITY PLAN
NOT TO SCALE

CAUTION – SERVICES!!!!

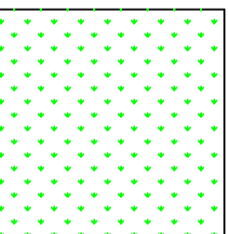


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PAVEMENT LEGEND





NEW CONCRETE FOOTPATH
75mm THICK CONCRETE (25MPa COMPRESSIVE STRENGTH)
UNREINFORCED PLAIN CONCRETE BROOM FINISH

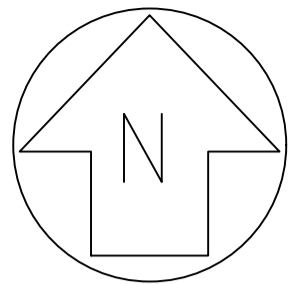


LANDSCAPE/TURF
BACKFILL WITH CLEAN FILL AND PLACE MINIMUM 150mm LAYER OF IMPORTED TOPSOIL MIX EQUAL TO ANL "ORGANIC GARDEN MIX"
TURF WITH CYNODON DACTYLON "WINTER GREEN". 1.0m WIDE FLAT VERGE THEN BATTER TO NATURAL SURFACE LEVEL WHERE NECESSARY

DRAWING INDEX


DRAWING NO.	DESCRIPTION
0001	COVER SHEET
1001-1002	CIVIL WORKS PLANS 1-2
2001	STANDARD DETAILS

			LEVEL DATUM: AHD	PLOT DATE: 08/12/2022	FOLDER: V:\Urban2\DRAWINGS Current\Matt Simons\Projects\Robertson St\TCI-ROBERTSON ST FOOTPATH	CONCEPT-081222.dwg		NEW FOOTPATH ROBERTSON ST NARRABEEN COVER SHEET
			CO-ORD SYSTEM: MGA**	PRELIMINARY	DESIGN APPROVED	APPROVED FOR CONSTRUCTION		
			SURVEYED/DATED 24/11/21	DRAWN BY: M. SIMONS	DESIGNED BY: M. SIMONS	PROJ. MGR: (NAME)		
			WORK-AS-EXECUTED	DATED: 29/11/22	DATED: 8/12/22	DATE: (**/**/****)		
3	8/12/22	IFC	MS	INITIATED BY: M. CARTER	APPROVED BY: T. LAU	APPROVED BY: T. LAU		TCI-ROBERTSON ST-NARRABEEN-IFC-0001
2	29/11/22	AMENDMENTS	MS	(TRAFFIC SECTION)	DESIGN MANAGER	PRINCIPAL ENGINEER		
1	29/11/22	CONCEPT	MS	DATE: **/**/****				
No	DATE	AMENDMENTS	INITIALS					

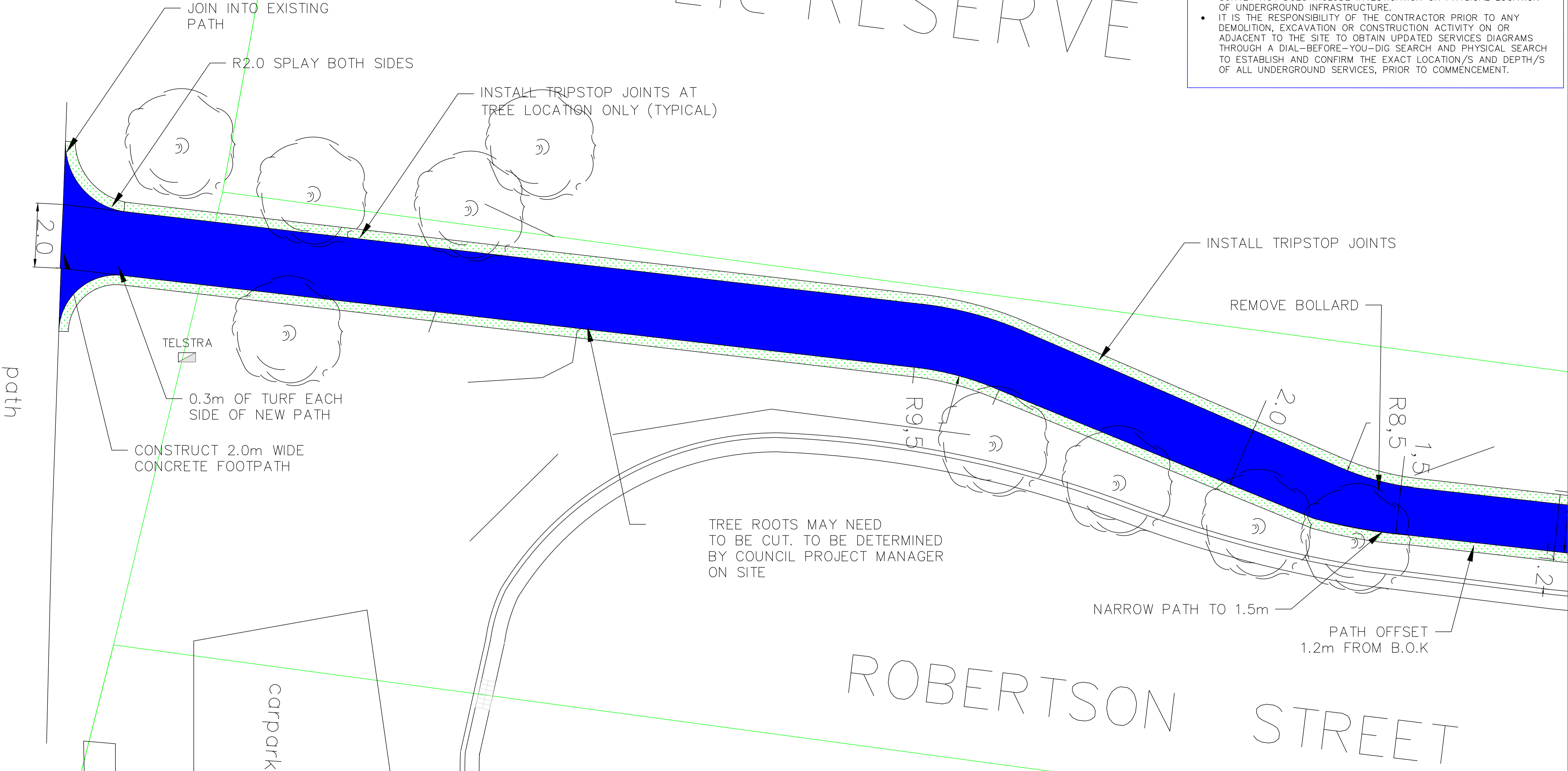


PUBLIC RESERVE


CAUTION – SERVICES!!!!

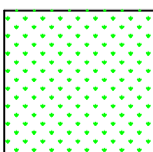


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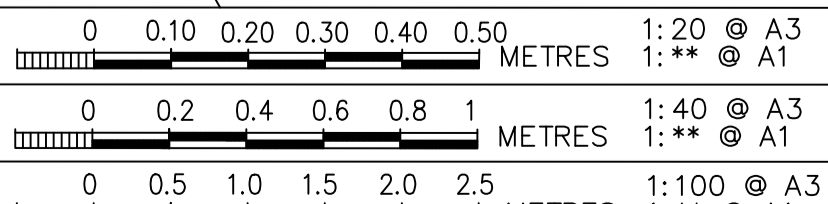
PAVEMENT LEGEND

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NEW CONCRETE FOOTPATH
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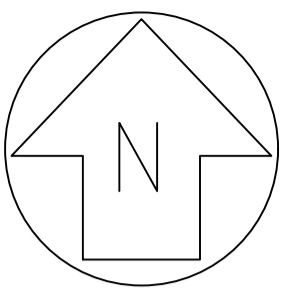
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				CO-ORD SYSTEM: MGA**	PRELIMINARY	DESIGN APPROVED	APPROVED FOR CONSTRUCTION	<div><div><div>00.100.200.300.400.500</div><div>METRES</div></div><div><div>1:20 @ A3</div><div>1:** @ A1</div></div></div>	ROBERTSON ST		
3 8/12/22 IFC				MS	DRAWN BY: M. SIMONS	DESIGNED BY: M. SIMONS	PROJ. MGR: (NAME)	<div><div><div>00.200.400.600.800.1</div><div>METRES</div></div><div><div>1:40 @ A3</div><div>1:** @ A1</div></div></div>	NARRABEEN		
2 29/11/22 AMENDMENTS				MS	DATED: 29/11/22	DATED: 8/12/22	DATE: (**/**/****)		DESIGN PLAN 1		
1 29/11/22 CONCEPT				MS	INITIATED BY: M. CARTER	APPROVED BY: T. LAU	APPROVED BY: T. LAU				
					DATE: **/**/****	(TRAFFIC SECTION)	DESIGN MANAGER	PRINCIPAL ENGINEER			
No	DATE	AMENDMENTS	INITIALS								



TCI-ROBERTSON ST-NARRABEEN-IFC-1001

REVISION: 3



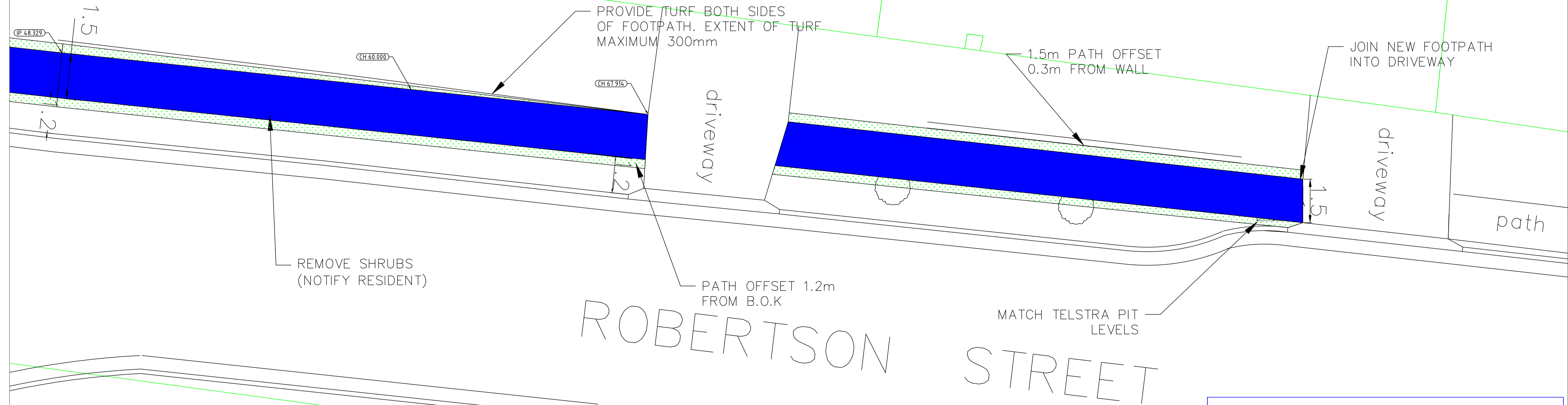
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5B

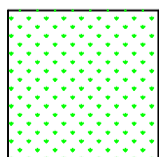
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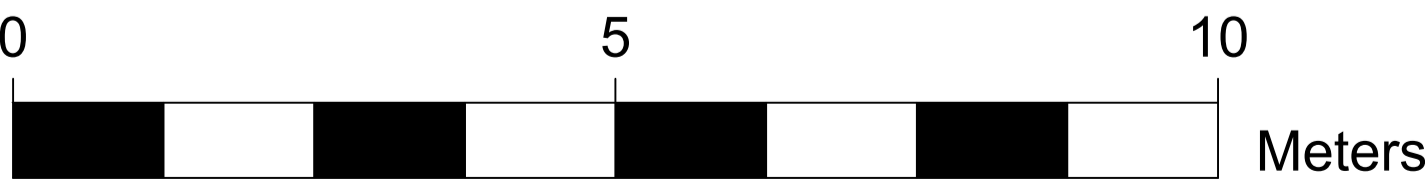
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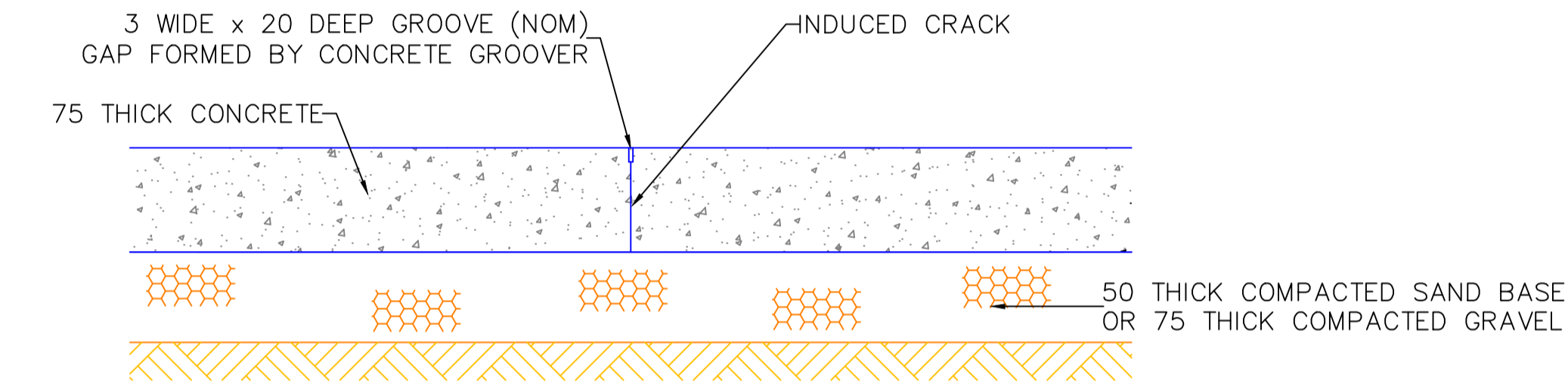
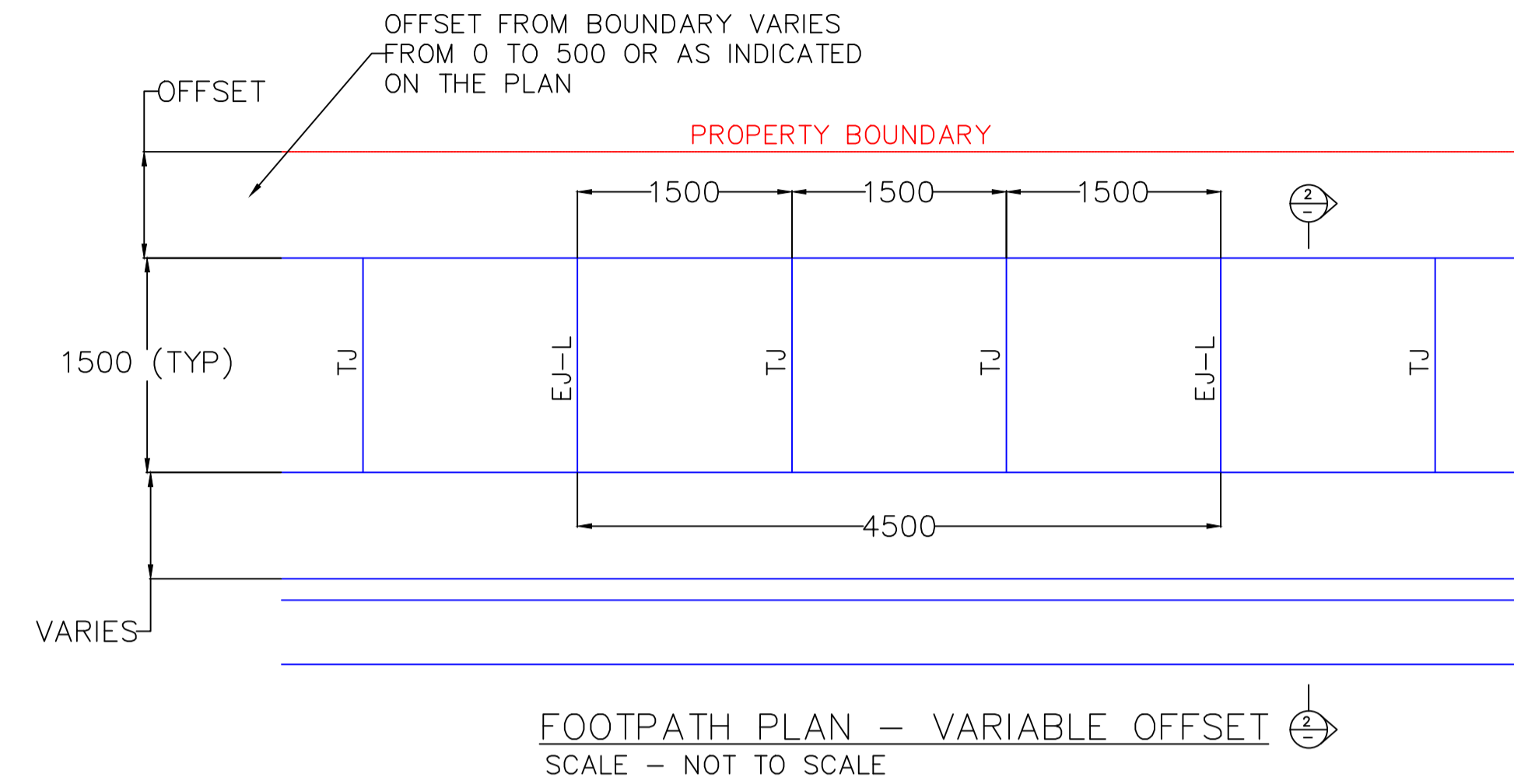
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3	8/12/22	IFC		MS	WORK-AS-EXECUTED	DATED: 8/12/22	DATE: (**/**/****)		DESIGN PLAN 2	
2	29/11/22	AMENDMENTS		MS	BY: (NAME)					
1	29/11/22	CONCEPT		MS	DATE: **/**/****	INITIATED BY: M. CARTER	APPROVED BY: T. LAU			
					(TRAFFIC SECTION)	DESIGN MANAGER	PRINCIPAL ENGINEER			
No	DATE			INITIALS						



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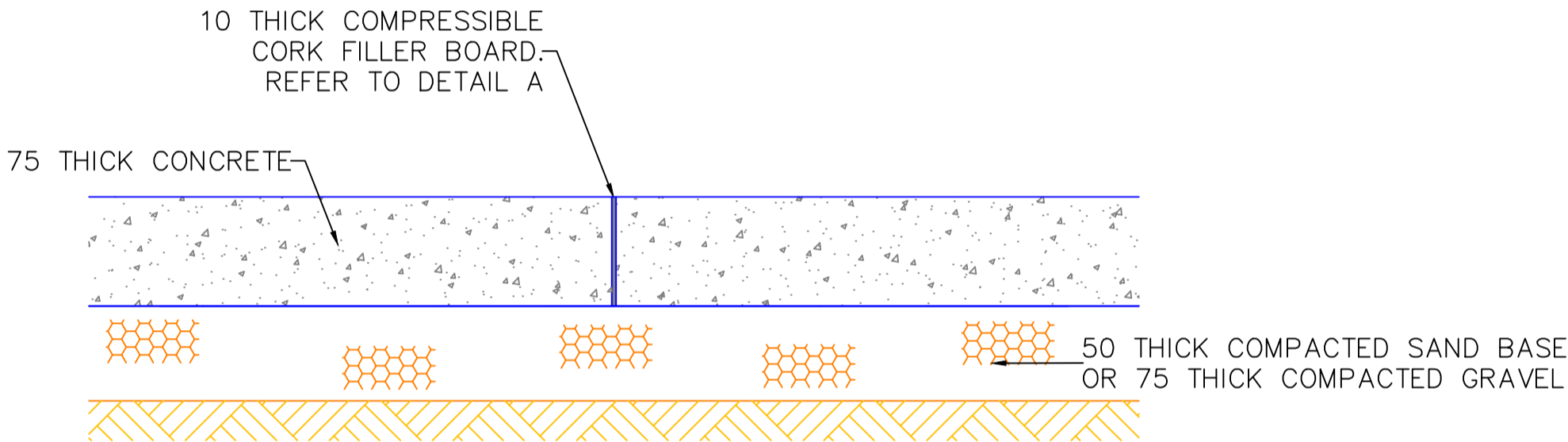
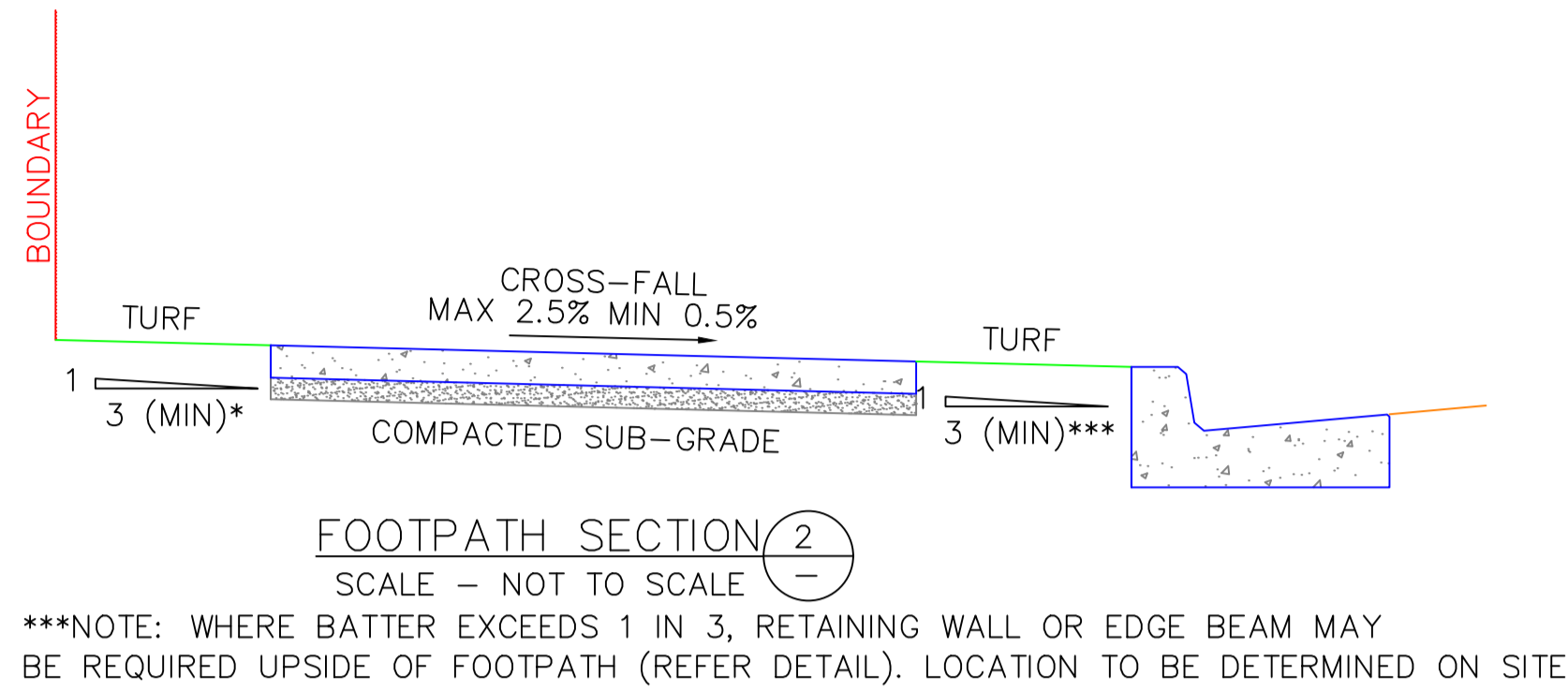
WEAKENED PLANE TOOLED JOINT (TJ) IN CONCRETE FOOTPATH DETAIL
SCALE - NOT TO SCALE

TRANSVERSE DISPLACEMENT JOINT NOTES

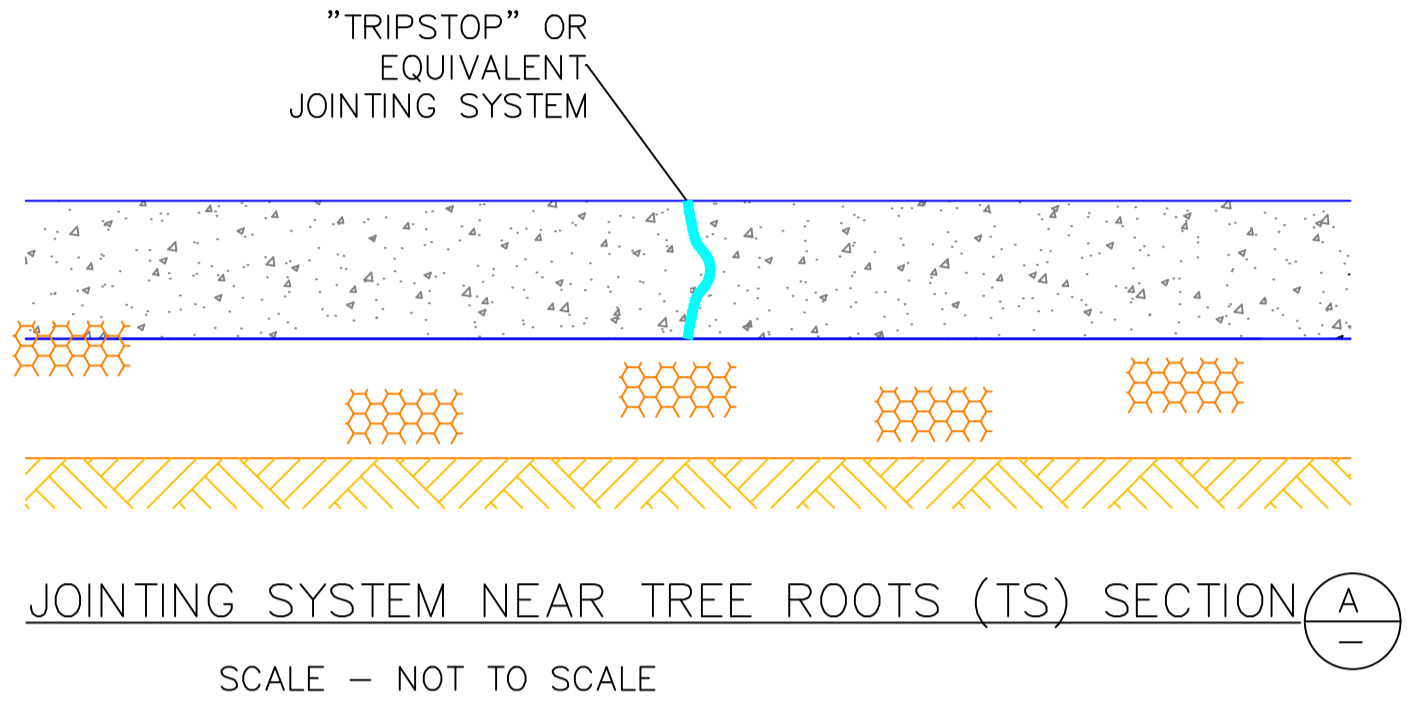
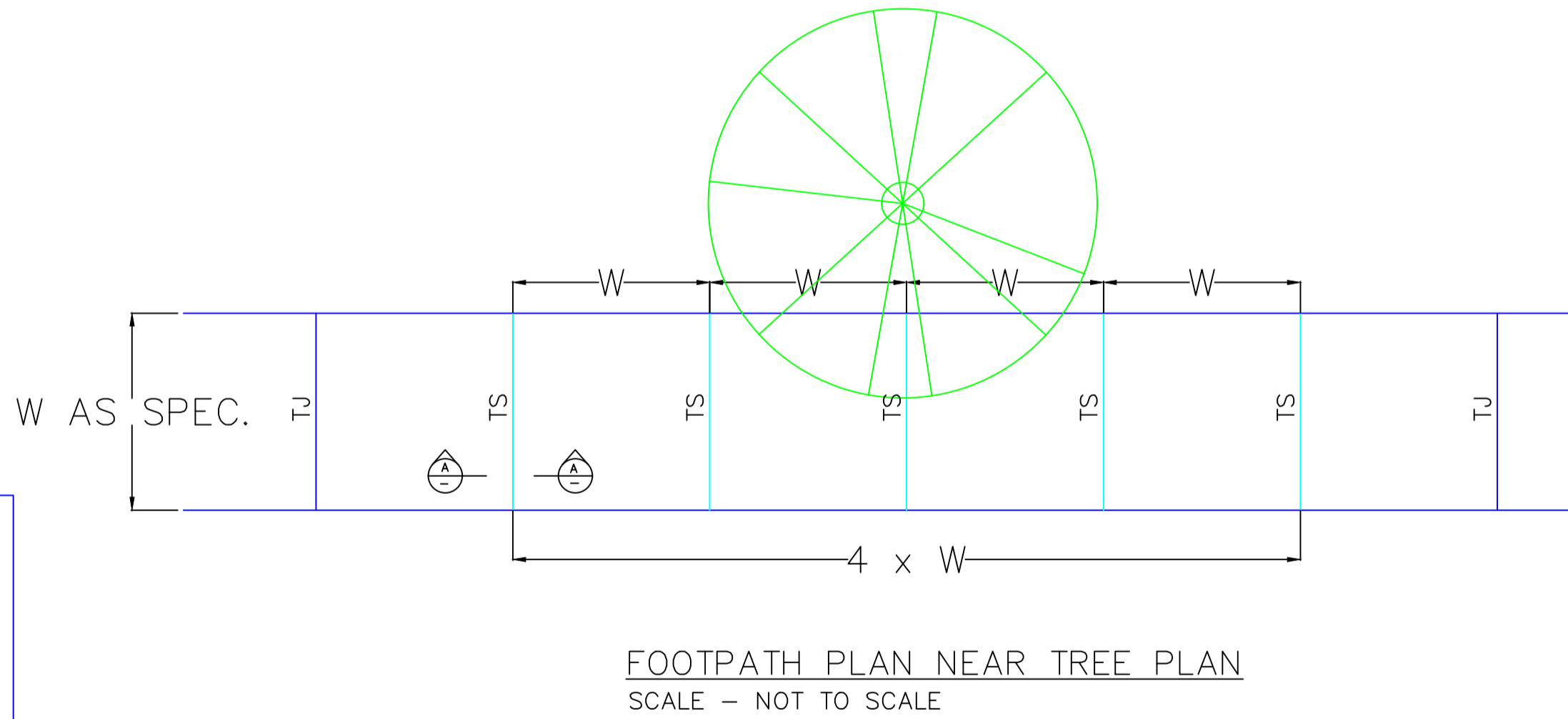
- WHERE THERE IS LIKELY TO BE TRANSVERSE OR VERTICAL MOVEMENT OF JOINTS IN THE RIGID PAVEMENT (FOR EXAMPLE, NEAR A TREE, WHERE ENVASIVE ROOTS ARE LIKELY TO DISPLACE THE PAVEMENT), A JOINTING SYSTEM WHICH ALLOWS VERTICAL DISPLACEMENT OF THE SLAB WITHOUT SEPARATION OF THE JOINTS AND CAUSING A TRIP HAZARD, IS TO BE USED.
- COUNCIL'S TREE OFFICER/ARBORIST IS TO BE CONSULTED AS TO DETERMINE ADEQUATE TOPSOIL COVER OVER EXISTING TREE ROOTS REQUIRED PRIOR TO INSTALLATION.
- "TRIPSTOP" JOINTING SYSTEM OR EQUIVALENT SHALL BE USED IN NEW OR REPLACEMENT FOOTPATHS WHERE THE SLAB IS TO BE INSTALLED NEAR OR ADJACENT TO A TREE.
- "TRIPSTOP" OR EQUIVALENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.
- THE "TRIPSTOP" 'S' PROFILE OR EQUIVALENT SHALL BE INSTALLED TO MATCH THE FOLLOWING SLAB THICKNESSES:
(a) TS75S - 75mm THICK CONCRETE SLAB
(b) TS125S - 130mm THICK CONCRETE SLAB
(c) TS150S - 150mm THICK CONCRETE SLAB
- "TRIPSTOP" JOINTING STRIPS OR EQUIVALENT MUST BE INSTALLED FOR THE FULL DEPTH AND WIDTH OF THE SLAB.
- THESE STRIPS MUST HAVE UP TO 5mm OF CLEARANCE AT EACH END OF THE "TRIPSTOP" TO ALLOW FOR AN EDGING TOOL TO BE PASSED WITHOUT INTERRUPTION.
- THE "TRIPSTOP" EDGING OR EQUIVALENT MUST BE INSTALLED WITHIN A 5mm TOLERANCE OF VERTICAL.
- WHEN INSTALLED IN STRAIGHT SECTIONS OF PAVEMENT, INSTALL TO +/- 30mm PER METER OF WIDTH FROM A RIGHT ANGLE TO THE LENGTH OF PAVEMENT.
- WHEN INSTALLED IN CURVED PAVEMENTS, INSTALL RADIALLY TO THE CURVE AT +/- 30mm PER METER FROM THE RADIAL LINE.
- "TRIPSTOP" STRIPS OR EQUIVALENT SHALL BE POSITIONED DIRECTLY IN LINE WITH THE MOST AGGRESSIVE TREE ROOT. ONE STRIP SHALL BE PLACED IN LINE WITH THE CENTRE OF THE TREE TRUNK. CONTINUE WITH INSTALLATION OF MORE SECTIONS OUTWARDS UNTIL AT THE END OF THE DRIP LINE.

WEAKENED PLANE JOINT NOTES

- SAWN JOINTS - PERFORMED WHEN CONCRETE HAS SET. SAWN JOINTS ARE TO BE USED ONLY ON RELATIVELY HEAVY DUTY OR THICK SLABS WHERE A DEEPER PENETRATION CUT IS REQUIRED. SAWCUT DEPTH IS APPROXIMATELY D/4. SAWN JOINTS ARE NOT TO BE USED FOR FOOTPATH CONSTRUCTION.
- TOOLED JOINTS - PERFORMED WHEN CONCRETE IS STILL IN A "PLASTIC" STATE. TO BE USED ON LIGHT DUTY OR THIN SLABS SUCH AS FOOTPATH SLABS WHERE A SMALL GROOVE PENETRATION IS SUFFICIENT.




LIGHT DUTY EXPANSION JOINT (EJ-L) IN CONCRETE FOOTPATH DETAIL
SCALE - NOT TO SCALE



STANDARD CONCRETE FOOTPATH NOTES

- FOOTPATHS TO HAVE A MIN. 0.5% AND A MAX. 2.5% CROSSFALL TOWARDS THE KERB (APPROXIMATELY 37.5mm FALL OVER A 1.5m WIDE FOOTPATH), U.N.O.
- CONCRETE EDGES SHALL BE FINISHED WITH AN EDGING TOOL.
- CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 25MPa MINIMUM UNLESS OTHERWISE SPECIFIED.
- CONCRETE SHALL BE PLACED WITH A MAXIMUM SLUMP OF 80mm.
- MINIMUM CONCRETE COVER (TO REINFORCEMENT) TO BE 30mm UNLESS NOTED OTHERWISE.
- CONCRETE FOOTPATHS SHALL BE LAID ON A MINIMUM 75mm THICK ROAD BASE DGB20 (COMPACTED TO MINIMUM 98% MAXIMUM DRY DENSITY) OR 50mm THICK SAND (WELL COMPACTED TO DENSITY INDEX OF NOT LESS THAN 65%)
- COUNCIL REQUIRES 24 HOURS NOTICE PRIOR TO POURING OF CONCRETE TO INSPECT THE FORMWORK. NO CONCRETE SHALL BE POURED UNTIL THE EXCAVATION AND FORMWORK HAVE BEEN INSPECTED.
- EXCAVATE TO MINIMUM UNIFORM CONCRETE SLAB THICKNESS AND BEDDING COURSE AS SPECIFIED. REFER TO DETAILS.
- PLAIN CONCRETE IS TO BE USED EXCEPT FOR PEDESTRIAN RAMPS (PRAM RAMPS) WHICH WILL BE COLOURED "DARK TERRACOTTA" OXIDE TINT OR EQUIVALENT.
- WHERE THE SLAB IS TO BE POURED ONTO EXISTING ROCK OR ONTO A CONCRETE SUBGRADE, PROVIDE A COAT OF RIGID BOND BREAKER BETWEEN THE INTERFACE TO ENSURE THAT THE CONCRETE WILL SET EVENLY THROUGHOUT THE WHOLE SECTION OF THE SLAB (EVEN SHRINKAGE CONTROL).
- PLACE REINFORCEMENT FABRIC CENTRALLY USING SEATS AS PROPS AND ENSURING THAT THERE WILL BE AT LEAST 30mm MINIMUM COVER (FOR FOOTWAY SLABS) BETWEEN THE REINFORCEMENT AND EXTERNAL SURFACE OF THE SLAB.
- CONCRETE IS TO BE FULLY CURED TO ENSURE THAT IT DOES NOT RESULT IN SHRINKAGE CRACKS. HIGHER STRENGTH CONCRETES TEND TO SET QUICKER AND REQUIRES PROPER CURING BY KEEPING IT CONTINUOUSLY WET FOR A MINIMUM OF 7 DAYS IMMEDIATELY AFTER THE POUR OR BY COVERING WITH CLEAR PLASTIC SHEETS.
- ALL CONCRETE WORKS SHALL BE IN ACCORDANCE WITH AS 3600.
- COMPRESSIBLE FILLER BOARD USED AS CONSTRUCTION JOINTS SHALL BE BITUMEN IMPREGNATED FIBREBOARD.
- SAWN JOINTS WHERE REQUIRED ARE TO BE CUT AFTER THE CONCRETE HAS SUFFICIENTLY HARDENED THAT IT WILL NOT BE DAMAGED BY THE SAWING BUT BEFORE SHRINKAGE CRACKS CAN OCCUR.
- PROVIDE "SMART URBAN" OR "LOCK SOCKETS" AS SPECIFIED FOR ALL SIGN POSTS U.N.O.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALING.

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NEW FOOTPATH
ROBERTSON ST
NARRABEEN
STANDARD DETAILS

TCI-ROBERTSON ST-NARRABEEN-CONCEPT-2001

REVISION: 3