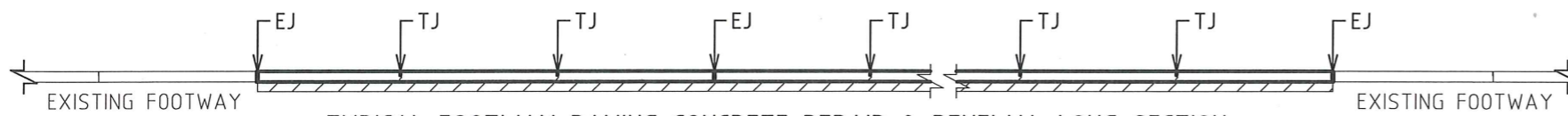


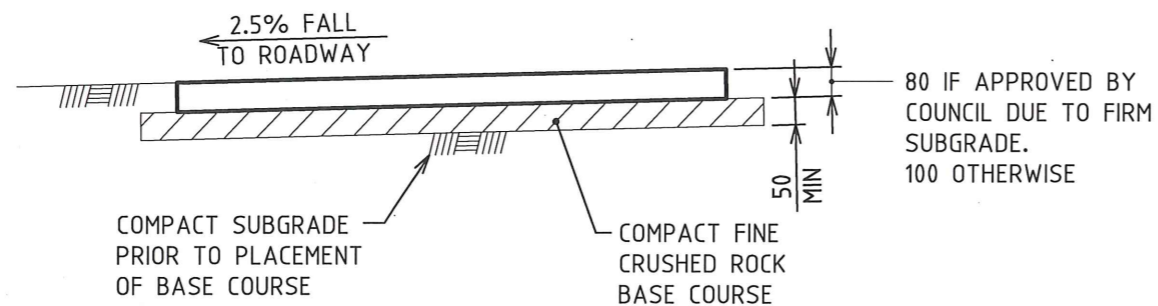
TYPICAL FOOTWAY PAVING CONCRETE REPAIR & RENEWAL PLAN

SCALE 1:50



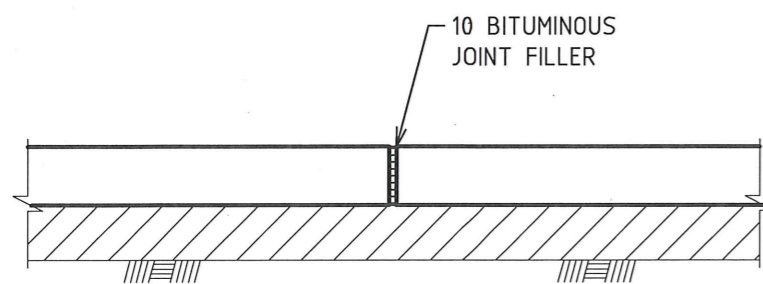
TYPICAL FOOTWAY PAVING CONCRETE REPAIR & RENEWAL LONG SECTION

SCALE 1:50



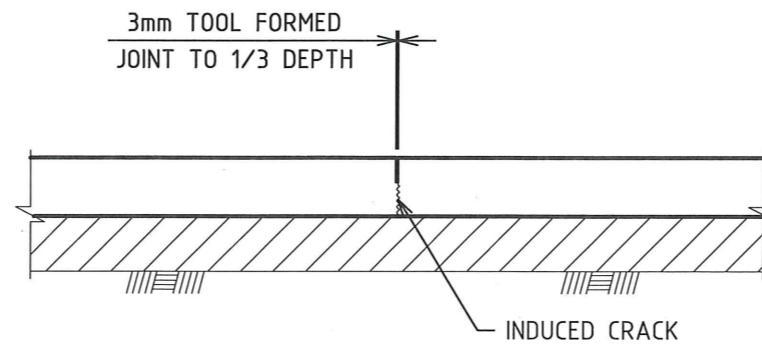
TYPICAL CROSS SECTION

SCALE 1:20



EXPANSION JOINT - EJ

SCALE 1:10



TYPICAL TOOL JOINT - TJ

SCALE 1:10

NOTES

- ALL WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE CURRENT AUSTRALIAN STANDARDS IN PARTICULAR AS3600 AND AS3727 AS WELL AS ANY REQUIREMENTS OF THE RELEVANT AUTHORITIES.
- PAVEMENT IS TO BE FOUNDED ON FIRM NATURAL CUT GROUND OR COMPACTED FILL. ANY SOFT AREAS ARE TO BE REMOVED AND REPLACED WITH COMPACTED FILL TO MEET A MINIMUM OF 100KPa ALLOWABLE BEARING PRESSURE.
- ANY FILL MUST BE PLACED IN 150mm THICK MAXIMUM LAYERS AND COMPACTED TO A RELATIVE DRY DENSITY OF 98% TO AS1289.5.1.1.
- THE BASE COURSE IS TO BE GRANULAR GRADED MATERIAL, SUCH AS FINE CRUSHED ROCK.
- PATHS GENERALLY TO BE DESIGNED TO HAVE A 2.5% CROSS FALL. POORLY DRAINED SITES MAY REQUIRE SUB SURFACE DRAINAGE TO PROTECT THE FOOTWAY PAVEMENT.
- THE FINISHED LEVEL OF ANY PAVEMENT ABUTTING A WALL MUST BE BELOW THE DAMP PROOF COURSE AND MUST NOT OBSCURE ANY WEEP HOLES OR DRAINAGE OPENINGS.
- BITUMINOUS JOINT FILLER TO SEAL THE EXPOSED SURFACE OF THE EXPANSION JOINT AND SHOULD THEREFORE BE LOCATED TO THE JOINT TOP AND JOINT EDGES.
- SLAB IS TO BE 80mm THICK ON FIRM SUB GRADE (100 THICK OTHERWISE) UN-REINFORCED N25 GRADE CONCRETE WITH A MAXIMUM AGGREGATE SIZE OF 10mm AND A MINIMUM SLUMP OF 80mm.
- TO ASSIST IN THE CURING AND DURABILITY OF THESE THIN SLABS:
 - THE SUB BASE SHOULD BE THOROUGHLY MOISTENED PRIOR TO PLACING CONCRETE (RESULTING IN REDUCED LOSS OF MOISTURE);
 - AS SOON AS THE TEXTURING VIA EITHER A DECORATIVE FINISH, WOOD FLOAT OR BROOMING HAS BEEN DONE, CURING SHOULD INITIATED BY APPLYING A CURING COMPOUND AT THE RATE OF 0.3 L/MIN²;
 - WATER SHOULD NOT BE ADDED TO THE AS-DELIVERED MIX; THIS WILL LOWER THE CONCRETE STRENGTH, CAUSE GREATER SHRINKAGE AND MAY CAUSE CHALKINESS AND DUSTING OF THE SURFACE.
- CONCRETE TO HAVE A BROOM FINISH TRANSVERSE TO THE PAVEMENT WITH A 75mm EDGE TOOLING OF ALL JOINTS AND EDGES. BROOM FINISH TO EXTEND TO EDGE OF SLAB OVER EDGE TOOLING TYPICAL TO ALL JOINTS AND EDGES.
- TOLERANCES:
 - CHANGE IN HEIGHT EACH SIDE OF JOINT 3mm
 - CROSS FALL 0% TO +/- 0.5% DESIGN
 - THICKNESS +20mm / -0mm
 - UNDULATION IN ALL DIRECTIONS: 1mm OVER 250mm, 5mm OVER 1.5m, 10mm OVER 3m OR JOINT TO JOINT (WHICHEVER GREATER)
- RESIDENTIAL FOOTWAY PAVEMENT IS DESIGNED FOR LIGHT DUTY TRAFFIC LOADING (OCCASIONAL CARS ONLY).
- COMMERCIAL FOOTWAY PAVEMENT IS DESIGNED FOR MEDIUM DUTY TRAFFIC LOADING (OCCASIONAL TRUCKS OR ELEVATED WORK PLATFORMS. PNEUMATIC TYRES ONLY).
- FOOTWAY PAVING CONSTRUCTED IN ZONES OF FUTURE SUBGRADE DISTURBANCE OR TREE ROOT GROWTH REQUIRE A PROPRIETARY FLEXIBLE JOINTING SYSTEM TO PREVENT JOINT STEPPING APPROVED BY NEWCASTLE CITY COUNCIL.

No.	AMENDMENT DETAILS	DATE	INITIALS
2	GENERAL REVISION	05.07.16	T.A.
1	GENERAL REVISION	18.08.15	T.A.
0	CONSTRUCTION	29.04.14	T.A.

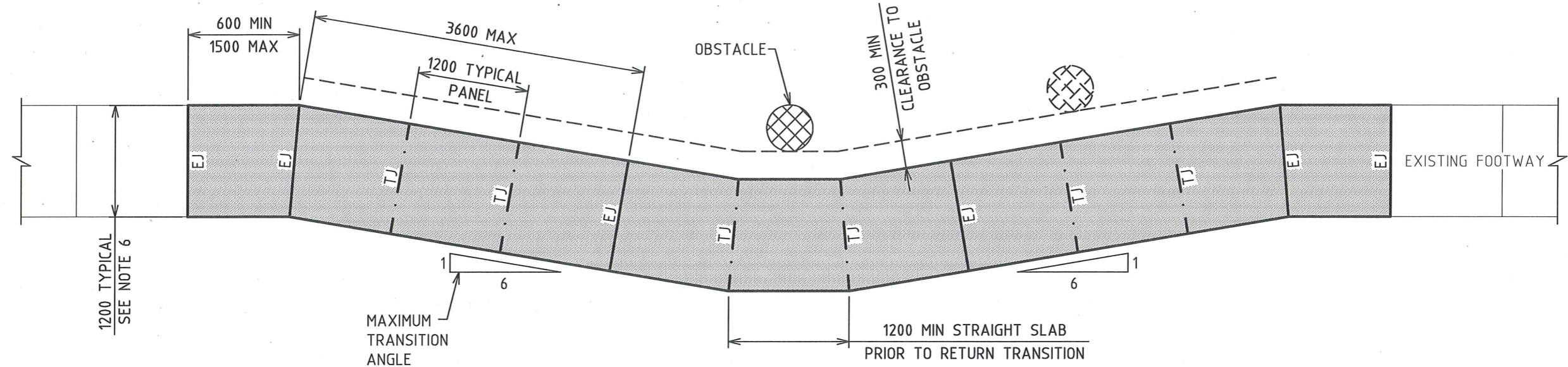
SCALE	AS SHOWN
COORDINATE SYSTEM:	HEIGHT DATUM: AHD

 INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED: SIGNED: INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 29.09.2016
REVIEWED: J.C.	

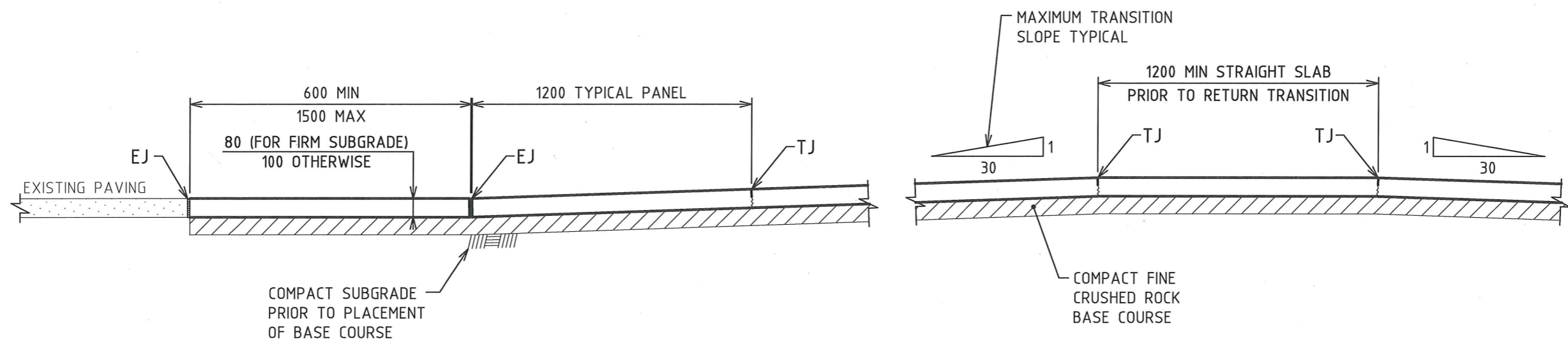
THE CITY OF NEWCASTLE FOOTWAY PAVING CONCRETE REPAIR & RENEWAL 1.2m WIDTH	NCC PLAN No. A1400 AMENDMENT No.
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SHEET No. 1 OF 2 SHEETS

A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED



TYPICAL FOOTWAY PAVING CONCRETE REPAIR & RENEWAL WITH OBSTACLE TRANSITION PLAN
SCALE 1:50



TYPICAL LONG SECTION
SCALE 1:20

NOTES

1. FOOTPATH INTENDED USE - PEDESTRIANS, MOTORISED SCOOTERS / WHEELCHAIRS, CYCLISTS UNDER 12.
2. NOT SUITABLE FOR SHARED PATHWAYS.
3. DESIGN SPEED LESS THAN 15 Km/h.
4. MINIMUM CLEARANCE 300mm TO OBSTACLE eg. TREES, POLES, ETC.
5. DESIRABLE 600mm EACH SIDE OF FOOTPATH 1:40 CROSS FALL.
6. FOOTPATH MAY BE REDUCED TO 1000mm AT DEVIATIONS FOR ISOLATED LOCATIONS TO AVOID OBSTACLES AS PER NOTE 4.

No.	AMENDMENT DETAILS	DATE	INITIALS
2	GENERAL REVISION	05.07.16	T.A.
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0	CONSTRUCTION	29.04.14	T.A.

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SCALE
AS SHOWN

COORDINATE SYSTEM:
HEIGHT DATUM: AHD

REVIEWED: J.C.

APPROVED

SIGNED: INFRASTRUCTURE MANAGEMENT SERVICES MANAGER
DATE: 29.09.2016

THE CITY OF NEWCASTLE

FOOTWAY PAVING CONCRETE REPAIR & RENEWAL
1.2m WIDTH

NCC PLAN No.	SHEET No.
A14.00	2 OF 2
AMENDMENT No.	SHEETS