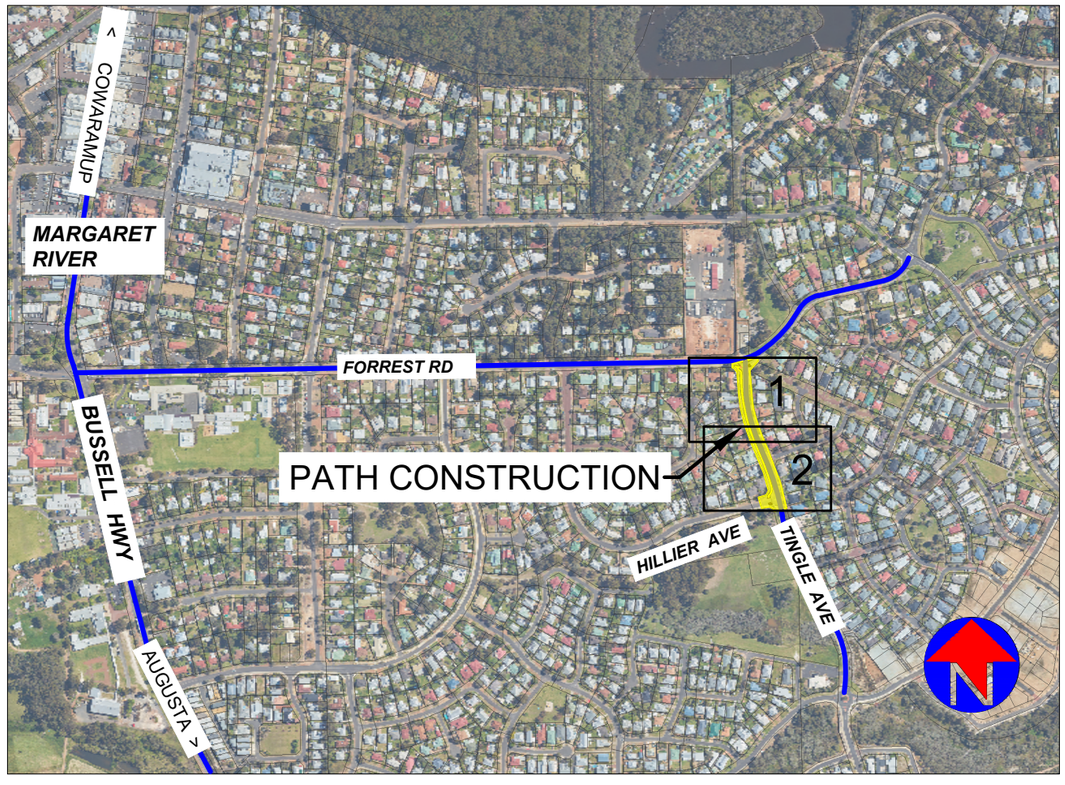
SHIRE OF AUGUSTA MARGARET RIVER

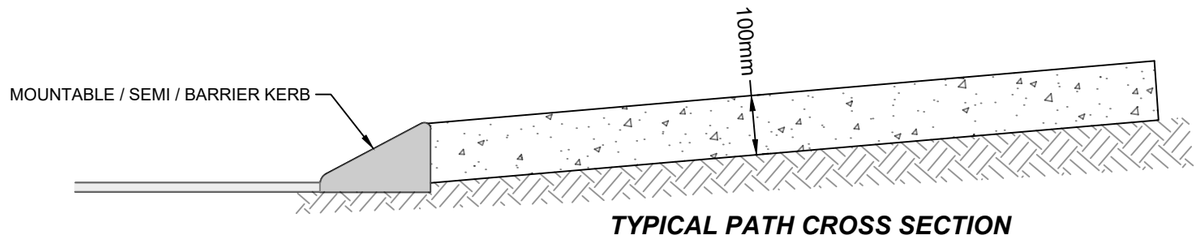
SHARED PATH CONSTRUCTION
TINGLE AVE MARGARET RIVER

Project Number PXN 047

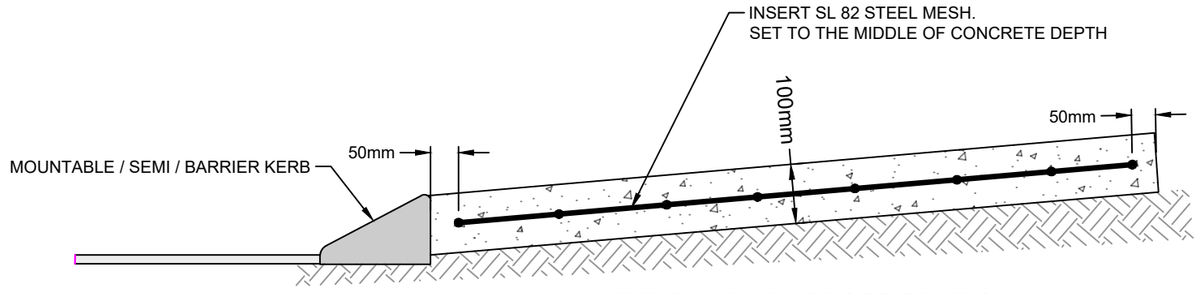
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LOCATION PLAN



TYPICAL PATH CROSS SECTION



TYPICAL PATH CROSS SECTION (WITH STEEL MESH FOR DRIVEWAY CROSSOVER)

QUANTITIES

1. CONCRETE PATH (NOT INCLUDING RAMPS) = 466m² (APPROX.)
2. PEDESTRIAN RAMP TYPE A = 4
3. DRIVEWAY CROSS OVERS = 9 (INCLUDING 1 DOUBLE)

ISSUED FOR CONSTRUCTION

SHIRE of AUGUSTA MARGARET RIVER
41 WALLCLIFFE RD
MARGARET RIVER
PH. (08) 9780 5255

REV No. 1

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INSTALL CONTINUITY LINE

REPLACE EXISTING MOUNTABLE KERB FROM NEW KERB RAMP TO EXISTING ROAD GULLY

INSTALL RAMP (SEE DWG RAMP-101 TYPE A)

REPLACE EXISTING PATH TO FIRST EXPANSION JOINT

REPLACE EXISTING PATH TO SECOND EXPANSION JOINT

LOWER EXISTING S.V. BOXS TO SUIT F.L. OF NEW PATH

REPLACE EXISTING MOUNTABLE KERB FROM NEW KERB RAMP TO EXISTING ROAD GULLY

REINFORCE ***DOUBLE*** DRIVE WAY CROSSING (SEE COVERSHEET FOR CROSS SECTION DETAILS)

TRIM OVERHANGING BRANCHES ON TREE IN FRONT ON HOUSE No 4

TINGLE

REINFORCE DRIVE WAY CROSSING (SEE COVERSHEET FOR CROSS SECTION DETAILS)

TRIM BUSH IN FRONT HOUSE No 8

AVENUE

REINFORCE DRIVE WAY CROSSING (SEE COVERSHEET FOR CROSS SECTION DETAILS)

TRIM OVERHANGING BRANCHES TO SHEOAK TREE ADJACENT STREET FURNITURE

CREATE A 'SPLIT' IN PATH TO DIVERT AROUND EXISTING STREET FURNITURE SEE DETAIL ABOVE

PATH DIVERSION AROUND EXISTING STREET FURNITURE

INSTALL CENTRELINE 2.0m BEYOND HATCH

INSTALL DIRECTIONAL ARROWS (MAIN ROADS DRAWING: 201331-0070)

INSTALL LINEMARKING

EXISTING NBN PIT

1.00m

1.00m

INSTALL LINEMARKING

EXISTING SHEOAK TREE

EXISTING CABINET

INSTALL DIRECTIONAL ARROWS (MAIN ROADS DRAWING: 201331-0070)

INSTALL CENTRELINE 2.0m BEYOND HATCH

N

PROPOSED PATH

NOTES:

1. *FIND AND REPLACE EXISTING STORMWATER PIPE UNDER NEW PATH. INSTALL NEW KERB PENETRATION. INSTALL EXPANSION JOINTS IN NEW FOOTPATH EITHER SIDE OF NEW STORMWATER PIPE.*
2. *REFER TO AMRS DWG. PATH-102 FOR TYPICAL CONCRETE PATH DETAILS.*
3. *REFER TO AMRS DWG. RAMP-101-A FOR TYPE 'A' KERB RAMP DETAILS*
4. *REFER TO AMRS DWG. FOOTPATH TO DRIVEWAY CONNECTION - 203*
5. *PROPOSED PATH TO BE 2.0m WIDE UNLESS NOTED OTHERWISE.*
6. *ALL UNDERGROUND SERVICES (EXCEPT AC WATER MAIN) WILL BE LOCATED PRIOR TO CONSTRUCTION.*

REV.	DATE	COMMENT
A	09/07/24	ISSUED FOR COMMENT AND REVIEW
B	25/07/24	ISSUED FOR COMMENT AND REVIEW (NOTES ADDED)
0	05/08/24	ISSUED FOR DoT REVIEW
1	04/12/24	ISSUED FOR CONSTRUCTION

APPROVED : Chris Yates
(MUST BE SIGNED FOR CONSTRUCTION ISSUE)

DRAWN	EB	DESIGNED	EB
SURVEY	EB	CHECKED	CY
Horizontal:	Approx MGA. Zone 50.	Orig. Size	A3
Vertical:	A.H.D.		

SHIRE of AUGUSTA MARGARET RIVER

PROJECT TITLE: TINGLE AVENUE PATH CONSTRUCTION

SHEET TITLE: PATH ALIGNMENT 1 of 2

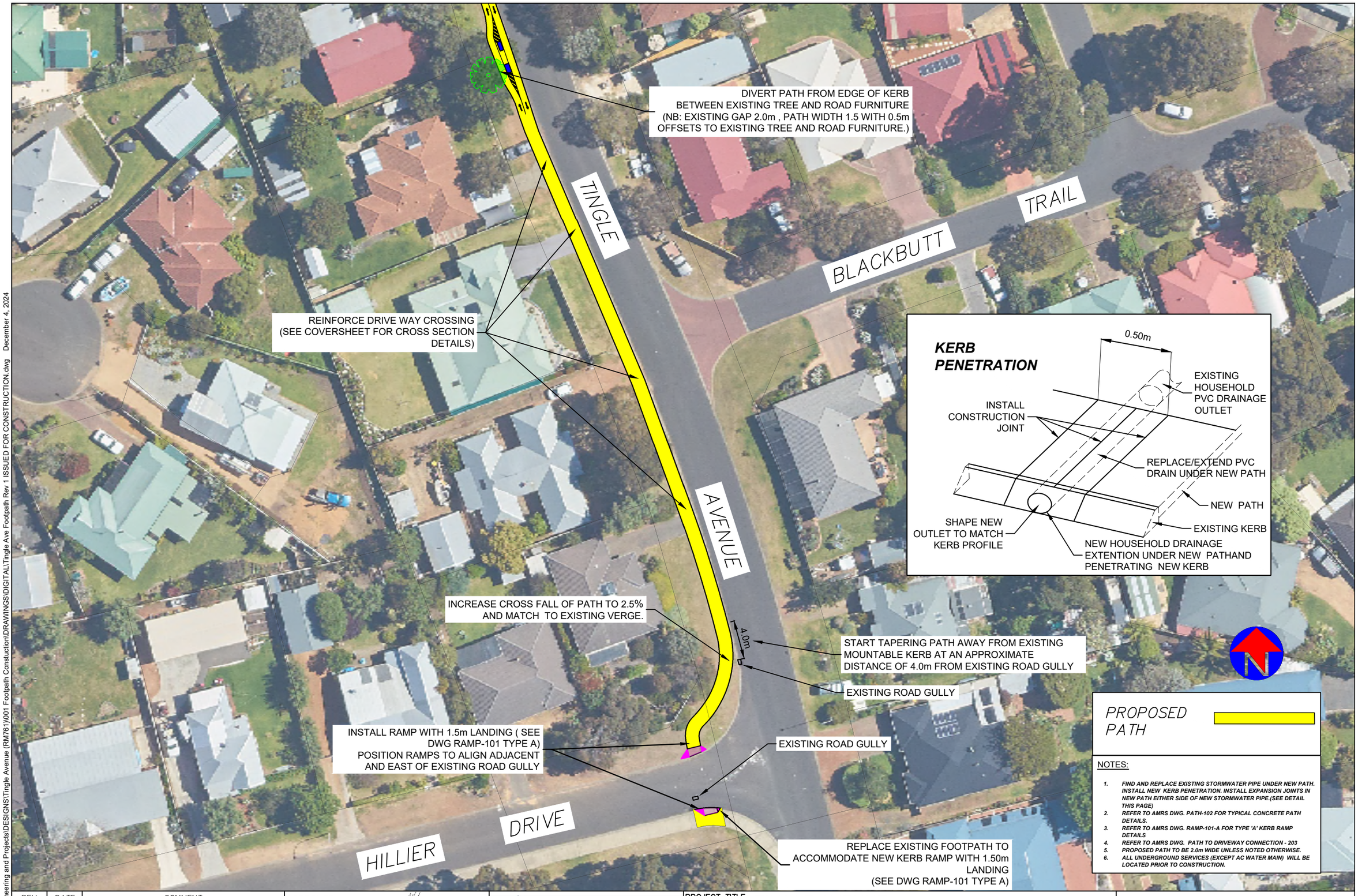
FOR CONSTRUCTION

DWG No. RM761-001-370

JOB No.	SCALE	DATE	REV No.
PXN047	1:500	04-12-24	1

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KERB PENETRATION

PROPOSED PATH

NOTES:

1. *FIND AND REPLACE EXISTING STORMWATER PIPE UNDER NEW PATH. INSTALL NEW KERB PENETRATION. INSTALL EXPANSION JOINTS IN NEW PATH EITHER SIDE OF NEW STORMWATER PIPE.(SEE DETAIL THIS PAGE)*
2. *REFER TO AMRS DWG. PATH-102 FOR TYPICAL CONCRETE PATH DETAILS.*
3. *REFER TO AMRS DWG. RAMP-101-A FOR TYPE 'A' KERB RAMP DETAILS*
4. *REFER TO AMRS DWG. PATH TO DRIVEWAY CONNECTION - 203*
5. *PROPOSED PATH TO BE 2.0m WIDE UNLESS NOTED OTHERWISE.*
6. *ALL UNDERGROUND SERVICES (EXCEPT AC WATER MAIN) WILL BE LOCATED PRIOR TO CONSTRUCTION.*

REV.	DATE	COMMENT
A	09/07/24	ISSUED FOR COMMENT AND REVIEW
B	25/07/24	ISSUED FOR COMMENT AND REVIEW (NOTES ADDED)
0	05/08/24	ISSUED FOR DoT REVIEW
1	04/12/24	ISSUED FOR CONSTRUCTION

APPROVED : Chris Yates
(MUST BE SIGNED FOR CONSTRUCTION ISSUE)

DRAWN	EB	DESIGNED	EB
SURVEY	EB	CHECKED	CY
Horizontal:	Approx MGA. Zone 50.	Orig. Size	A3
Vertical:	A.H.D.		

SHIRE of AUGUSTA MARGARET RIVER

PROJECT TITLE: TINGLE AVENUE PATH CONSTRUCTION

SHEET TITLE: PATH ALIGNMENT 2 of 2

FOR CONSTRUCTION

DWG No. RM761-001-371

JOB No.	SCALE	DATE	REV No.
PXN047	1:500	04-12-24	1

1:500 0 5m 10 15 20 25 30 35 40 45 50

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NOTES

1.) TYPE 'A' KERB RAMPS ARE THE PREFERRED RAMPS AS THEY CAN BE ACCESSED FROM THE SIDE.

2.) BACK FILL WITH CLEAN FILL, GRAVEL OR TOP SOIL.

3.) RAMP SHALL BE FREE OF ALL TRIP HAZARDS.

4.) TGSIs (TACTILE GROUND SURFACE INDICATORS) MUST ALIGN TO TGSIs ON OPPOSITE SIDE OF ROAD.

5.) RAMP WINGS MUST BE A MAXIMUM OF 1500 mm LONG AT KERB LINE or ANGLE NO GREATER THAN 45° TO RAMP.

6.) KERB RAMPS MUST BE MAXIMUM 1:40 CROSSFALL (PERPENDICULAR TO DIRECTION OF TRAVEL).

7.) KERB RAMPS MUST BE ABSOLUTE MAXIMUM 1:8 LONGITUDINAL GRADE (1:10 DESIRABLE MAXIMUM).

8.) KERB RAMPS MUST BE MINIMUM 2000 mm WIDE OR WIDTH OF PATH, WHICHEVER IS GREATER.

9.) TGSIs SHALL BE CONTRASTING TO THE SURROUNDING SUBSTRATE TO COMPLY WITH THE REQUIREMENTS OF AS 1428. REFER TO TABLE 1 FOR INDICATIVE COLOURS OF INTEGRATED TGSIs.

10.) INTEGRATED TGSIs CAN BE 300 x 300 mm, 330 x 330 mm OR 400 x 400 mm IN SIZE (330 x 330 mm SHOWN).

11.) INTEGRATED PAVER STYLE TACTILES ARE THE PREFERRED TYPE OF TGSIs.

NOTES cont.

12.) THE USE OF INDIVIDUAL 'DISCRETE' TGSIs MUST BE ASSESSED AND APPROVED BY THE SHIRE PRIOR TO INSTALLATION. SPECIFIC LUMINANCE REQUIREMENTS APPLY UNDER AS 1428.

13.) THE PREFERRED METHOD OF INSTALLATION OF PAVER STYLE TGSIs IS CASTING IN-SITU WITH THE CONCRETE KERB RAMP. THE USE OF BLOCK OUT FORM-WORK DOES NOT YIELD THE SAME RESULT AND IS DISCOURAGED.

14.) TOP AND BOTTOM OF RAMP MUST HAVE SHARP TRANSITION AT CHANGE OF GRADE (NO ROUNDING).

15.) 'CONTROL JOINTS' SHALL BE INSTALLED AT LOCATIONS SHOWN WITH A SUITABLE JOINTING TOOL OR SAW CUT TO A MIN DEPTH OF ¼ THICKNESS OF CONCRETE.

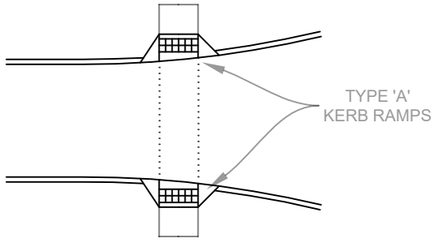
16.) COLD CONSTRUCTION JOINS OR 'EXPANSION JOINTS' MUST BE FILLED FULL DEPTH OF KERB RAMP WITH A 10mm FIBRE BOARD OR COMPRESSIBLE FILLER AND SEALED WITH A BEAD OF SOUDAL MULTIBOND SMX50 HYBRID POLYMER TRAFFICABLE JOINT SEALANT OR APPROVED SIMILAR.

17.) THE EDGE OF EACH KERB RAMP WING (REPRESENTED BY POINT 'A') SHALL NOT EXTEND BEHIND THE FRONT OF THE TGSIs.

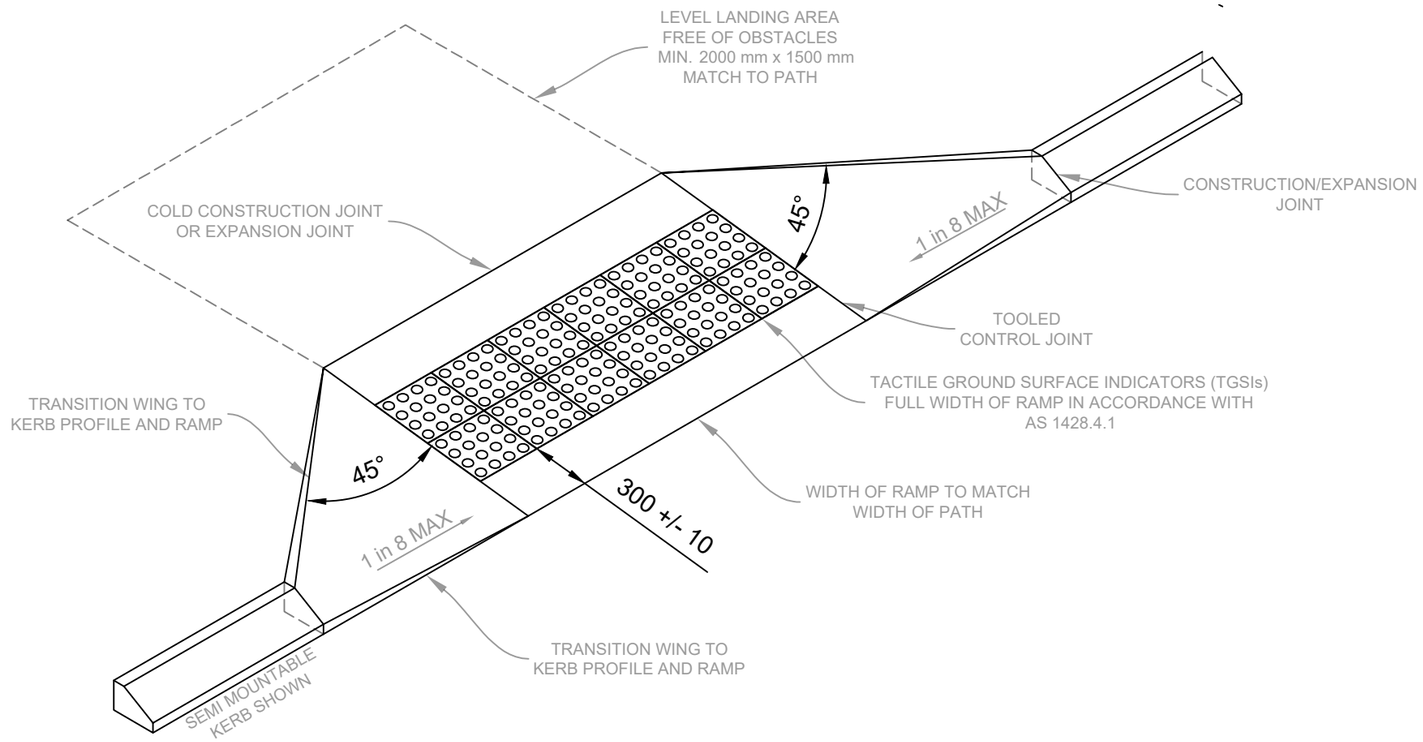
18.) CONCRETE TO BE MINIMUM 25 MPa AND PLAIN CONCRETE GREY COLOUR (NO OXIDE COLOURING).

INDICATIVE COLOURS FOR INTEGRATED TGSIs				
SURROUNDING SUBSTRATE	GREY CONCRETE	DENSE GRADE ASPHALT	RED ASPHALT	OTHER
TGSI COLOUR	CHARCOAL (BLACK)	IVORY (CREAM)	IVORY (CREAM)	MUST BE APPROVED

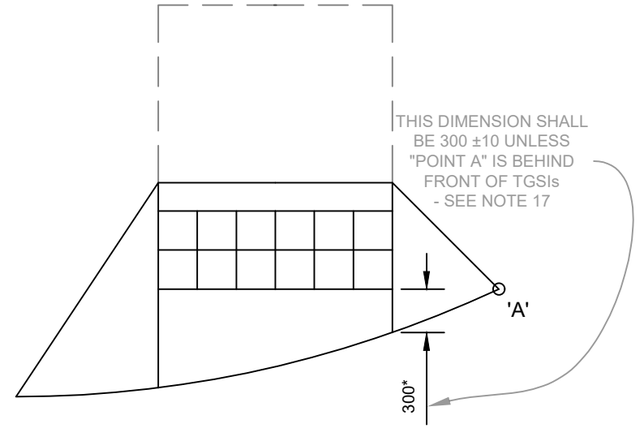
TABLE 1 - INDICATIVE CONTRASTING TGSI COLOURS
PLEASE NOTE THAT THESE COLOURS ARE INDICATIVE ONLY AND ARE SUBJECT TO DESIGN AND APPROVAL



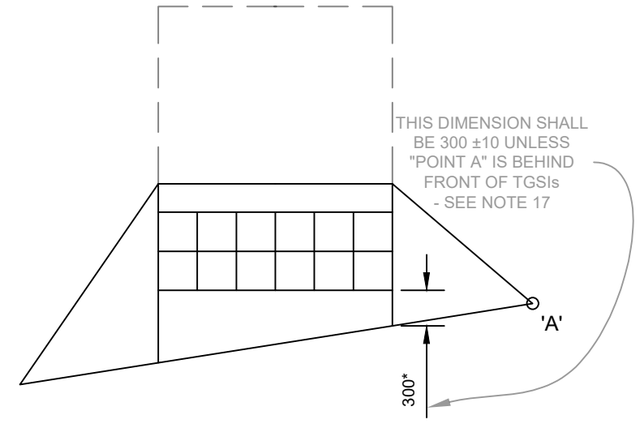
TGSI ALIGNMENT ACROSS ROAD



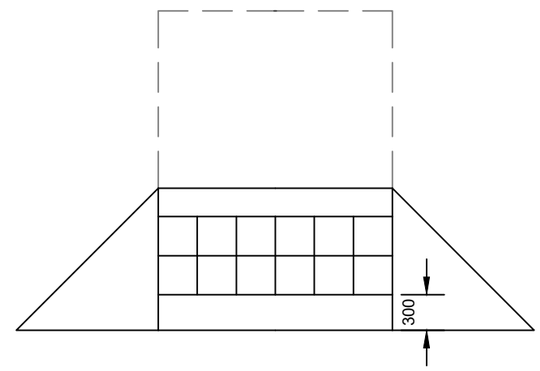
TYPE 'A' KERB RAMP - GENERAL ARRANGEMENT



TYPE ' A' KERB RAMP - CURVED KERB LINE



TYPE 'A' KERB RAMP - SKEWED KERB LINE



TYPE 'A' KERB RAMP - PERPENDICULAR KERB LINE

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.

REV.	DATE	COMMENT
A	09/07/24	FOR INTERNAL COMMENT AND INFORMATION
B	25/07/24	ISSUED FOR COMMENT AND REVIEW (NOTES ADDED)
0	05/08/24	ISSUED FOR DoT REVIEW
1	04/12/24	ISSUED FOR CONSTRUCTION

APPROVED : Chris Yates
(MUST BE SIGNED FOR CONSTRUCTION ISSUE)

DRAWN	CY	DESIGNED	CY
SURVEY	EB	CHECKED	CY

Horizontal: Approx MGA. Zone 50.
Vertical: A.H.D.
Orig. Size A3

SHIRE of AUGUSTA MARGARET RIVER

PROJECT TITLE: TINGLE AVENUE PATH CONSTRUCTION
SHEET TITLE: KERB RAMP TYPE 'A'

FOR CONSTRUCTION

DWG No. RAMP-101 TYPE A

JOB No.	SCALE	DATE	REV No.
PXN047	NTS	04-12-24	1

1:500 0 5m 10 15 20 25 30 35 40 45 50

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NOTES

1.) DESIRABLE MINIMUM WIDTH FOR GENERAL USE PATH SHALL BE 2.0 m. REFER TO TABLE 1 FOR ALTERNATIVE PATH WIDTH REQUIREMENTS.

2.) BACK FILL WITH CLEAN FILL, GRAVEL OR TOP SOIL TO SUIT SURROUNDING GROUND LEVEL.

3.) PATH SHALL BE FREE OF ALL TRIP HAZARDS AND SHALL BE BROOM SWEPT PERPENDICULAR TO THE REGULAR DIRECTION OF TRAVEL SO TO ACHIEVE A NON-SLIP SURFACE.

4.) PATHS MUST BE MAXIMUM 1:40 (2.5%) CROSSFALL (PERPENDICULAR TO DIRECTION OF TRAVEL).

5.) DESIRABLE MAXIMUM LONGITUDINAL GRADE OF PATH SHOULD BE 1:20. ABSOLUTE MAXIMUM LONGITUDINAL GRADE OF PATH SHALL BE 1:14 WHERE LEVEL PLATFORMS ARE PROVIDED AT 9 m INTERVALS.

6.) 'EXPANSION JOINTS' SHALL BE PROVIDED AT LOCATIONS SHOWN AND FILLED, FULL DEPTH AND FULL WIDTH WITH A 10mm THICK FIBRE BOARD OR COMPRESSIBLE FILLER AND SEALED WITH A BEAD OF SOUDAL MULTIBOND SMX50 HYBRID POLYMER TRAFFICABLE JOINT SEALANT OR APPROVED SIMILAR.

7.) 'CONTROL JOINTS' SHALL BE PROVIDED AT LOCATIONS SHOWN WITH A LOCK JOINT™ PLASTIC FORMED 'KEY JOINT' PRODUCT OR SAW CUT TO A MIN DEPTH OF ¼ THICKNESS OF CONCRETE, OR WET FORMED WITH A SUITABLE JOINTING TOOL.

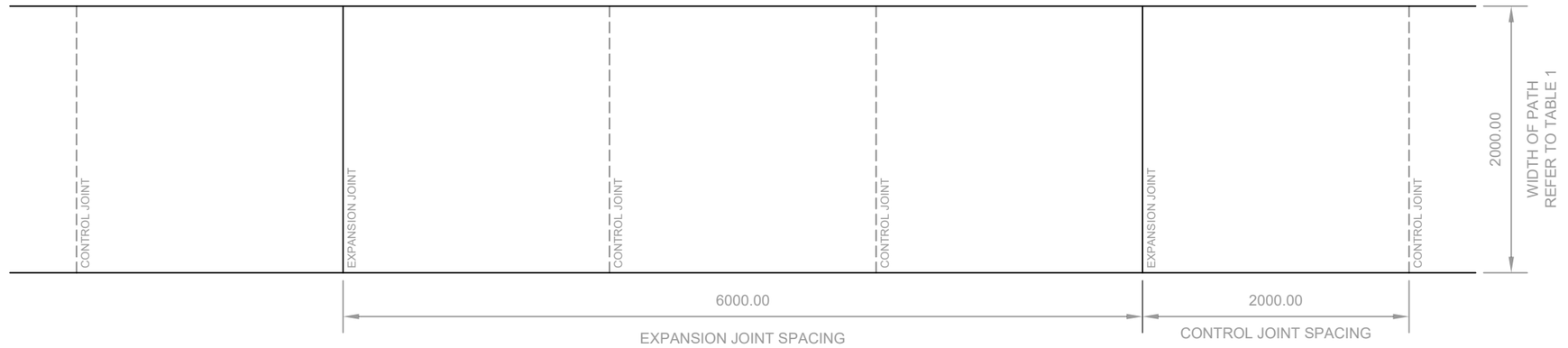
8.) WHERE A PATH ABUTS KERBING, CONCRETE CROSSOVERS, OR SERVICE LIDS, AN ISOLATION 'EXPANSION JOINT' SHALL BE PROVIDED ALONG THE FULL LENGTH OF THE EDGE.

9.) PATH MUST BE SET BACK A MINIMUM 500 mm FROM EXISTING SERVICES, VEGETATION AND ANY OBSTRUCTION.

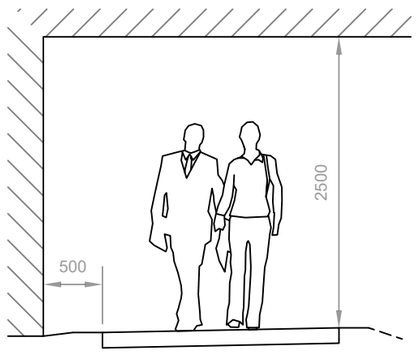
10.) PATH MUST MAINTAIN A MINIMUM 2500 mm VERTICAL CLEARANCE TO ANY OVERHEAD OBSTRUCTION.

11.) ALL PATH EDGES SHALL BE FRAMED WITH AN APPROPRIATE EDGING/JOINTING TOOL.

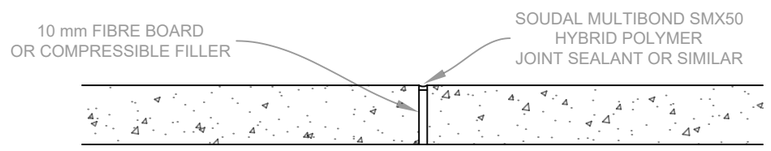
12.) CONCRETE TO BE MINIMUM 25 MPa AND PLAIN CONCRETE GREY COLOUR (NO OXIDE COLOURING).



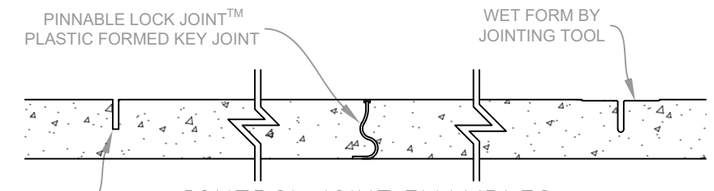
CONCRETE PATH - JOINTING PLAN



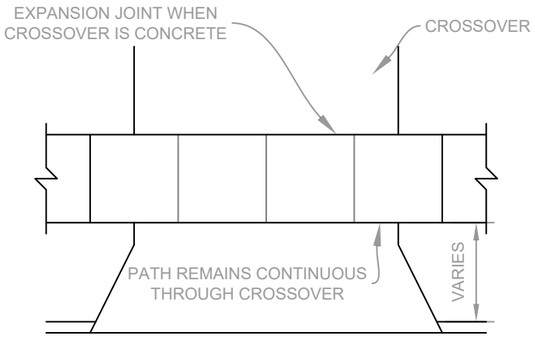
MINIMUM PATH CLEARANCES



EXPANSION JOINT



CONTROL JOINT EXAMPLES



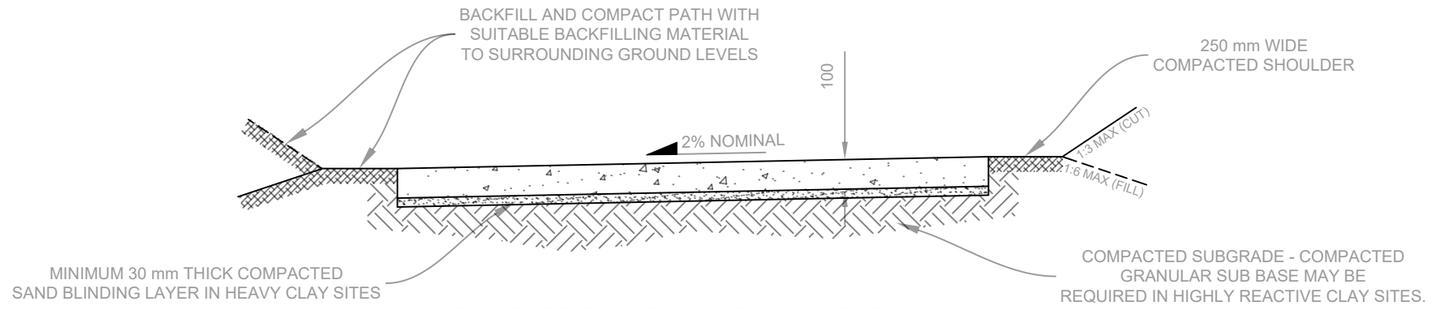
PATH INTERFACE AT CROSSOVERS

INDICATIVE CROSSOVER SHOWN

GENERAL PATH WIDTH REQUIREMENTS		
CLASSIFICATION	PATH WIDTH	COMMENTS
CAT A: Main Paths	2.5 m	PATHS WITHIN MAIN TOWN CENTRES. HIGHEST ORDER ROADS. AREAS OR PEDESTRIAN DESTINATIONS OF REGIONAL SIGNIFICANCE.
CAT B: Distributor Paths	2.5 m	PATHS CONNECTING MAJOR PEDESTRIAN GENERATING DESTINATIONS (SUCH AS SCHOOLS, LIBRARIES, COMMERCIAL AREAS, BEACHES, CAR PARKS AND OVALS).
CAT C: Connector Paths	2.0 m	PATHS CONNECTING RESIDENTIAL AREAS WITH HIGH ORDER PATH NETWORK THAT LINKS TO PEDESTRIAN GENERATING DESTINATIONS. MAIN ARTERIAL ROUTES INTO RESIDENTIAL AREAS.
CAT D: Residential Paths	2.0 m	ALL OTHER FORMAL RESIDENTIAL PATHWAYS MOSTLY WITHIN URBAN AND RESIDENTIAL AREAS. PROVIDE DIRECT CONNECTION TO RESIDENCES OR LOCAL DESTINATIONS.

TABLE 1 - PATH WIDTH REQUIREMENTS

PATH WIDTHS OUTSIDE THESE WARRANTS ARE SUBJECT TO DESIGN, ASSESSMENT AND APPROVAL FROM THE SHIRE.



CONCRETE PATH - CROSS SECTION

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.

REV.	DATE	COMMENT
A	09/07/24	ISSUED FOR COMMENT AND REVIEW
B	25/07/24	ISSUED FOR COMMENT AND REVIEW (NOTES ADDED)
0	05/08/24	ISSUED FOR DoT REVIEW
1	04/12/24	ISSUED FOR CONSTRUCTION

APPROVED : Chris Yates
(MUST BE SIGNED FOR CONSTRUCTION ISSUE)

DRAWN CY | DESIGNED CY
SURVEY EB | CHECKED CY
Horizontal: Approx MGA. Zone 50.
Vertical: A.H.D.
Orig. Size A3

SHIRE of AUGUSTA MARGARET RIVER

PROJECT TITLE: TINGLE AVENUE PATH CONSTRUCTION

SHEET TITLE: TYPICAL CONCRETE PATH DETAILS

FOR CONSTRUCTION

DWG No. PATH-102
JOB No. PXN047 | SCALE NTS | DATE 04-12-24 | REV No. 1

1: 500 0 5m 10 15 20 25 30 35 40 45 50

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