Footpaths drawing index

SED_NO	Title
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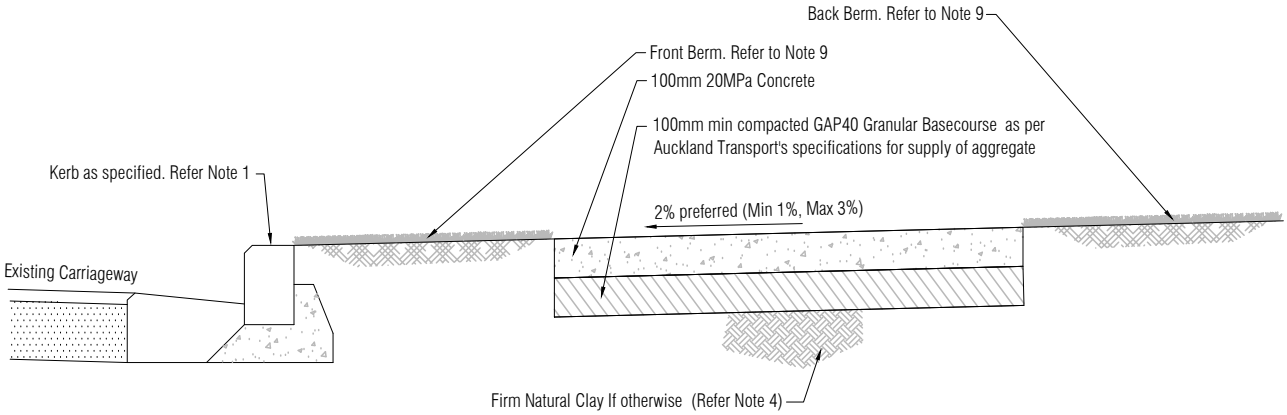
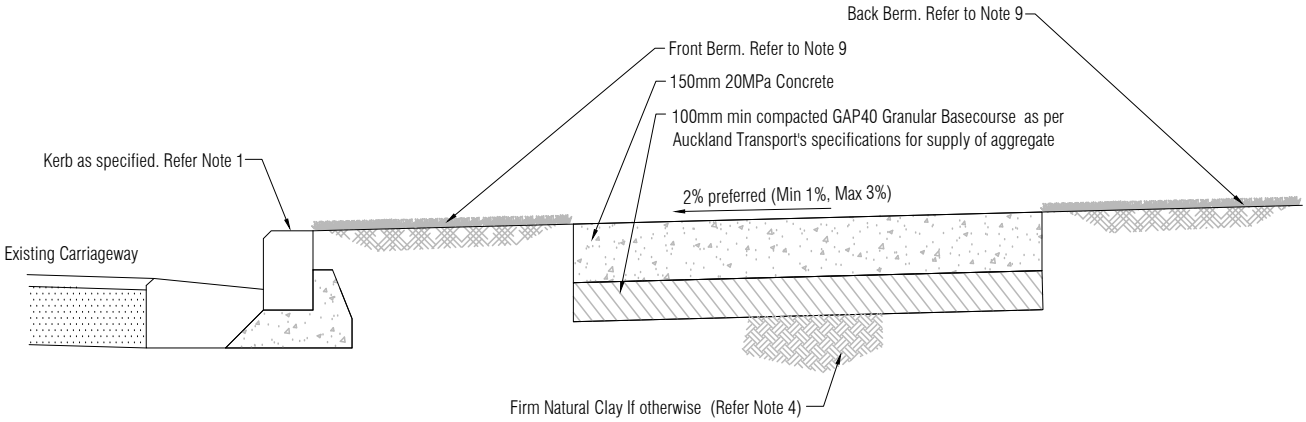
FP0003	Asphalt footpath
FP0004	Footpath construction - paver type
FP0005	Pedestrians and the Public Realm
FP0006	Pram crossing
FP0009	Metal and Hoggin footpath
FP0010	Tactile Pavers
FP0011	Pedestrian & cyclist access way alternative sections



FOOTPATH



HEAVY DUTY FOOTPATH / SHARED PATH / CYCLE PATH

NOTES

1. Kerb profiles can be found in the kerb & Channel drawing set. Refer to Urban and Rural Roadway Engineering Design Code for further details.
2. All Services Lids must be raised or lowered to be flush with footpath levels.
3. Concrete to have minimum compressive strength of 20MPa at 28th day strength.
4. Basecourse or bedding layer depth must be increased for weak subgrade (CBR<3).
5. Concrete surface finish must comply with NZS 3114.
6. If footpath to be trafficked by service vehicles 664 mesh or fibre reinforcement must be used.
7. Surface to be broom finished unless exposed selected.
8. Crack joining to be installed at 3m intervals.
9. Check with EDC Footpath and Public Realm, table 1 for Urban Footpath and table 2 for Rural Footpath
10. Standard concrete path is 20MPa. If heavy vehicle need to use part of concrete cycle path, a 30 MPa concrete can be considered through Departure process – 30MPa concrete have higher carbon content.
11. Concrete footpaths to have 4kg/m^3 black oxide, Concrete cycle paths to have 8kg/m^3 black oxide

CHIEF APPROVED ENGINEER

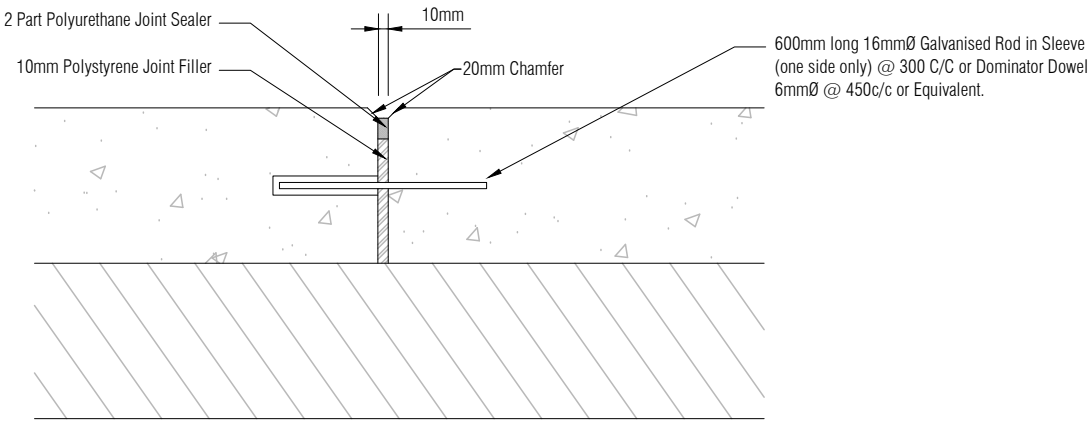
TDM TECHNICAL STANDARDS

Concrete footpath

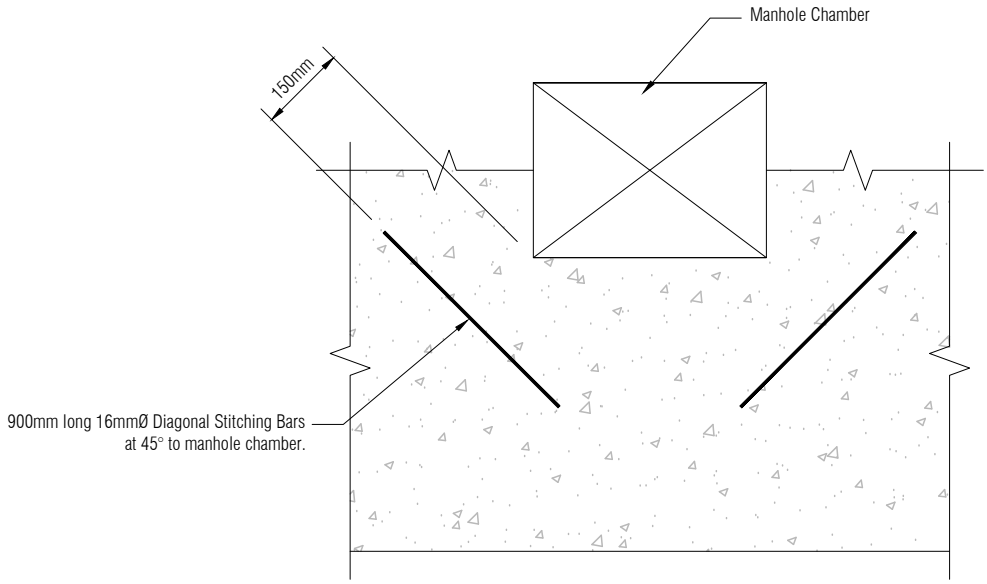
Date: 24/07/2024

SED No. FP0001

Version C



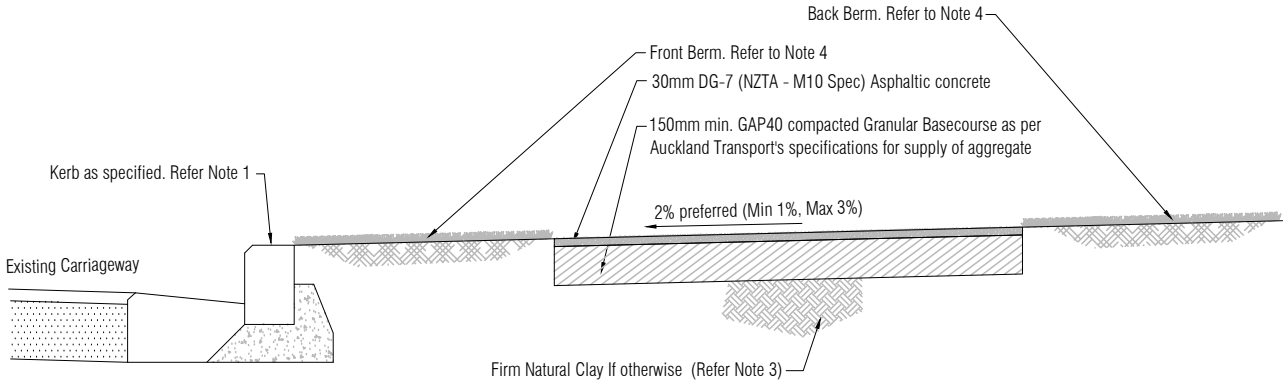
EXPANSION / CONSTRUCTION JOINT CROSS SECTION



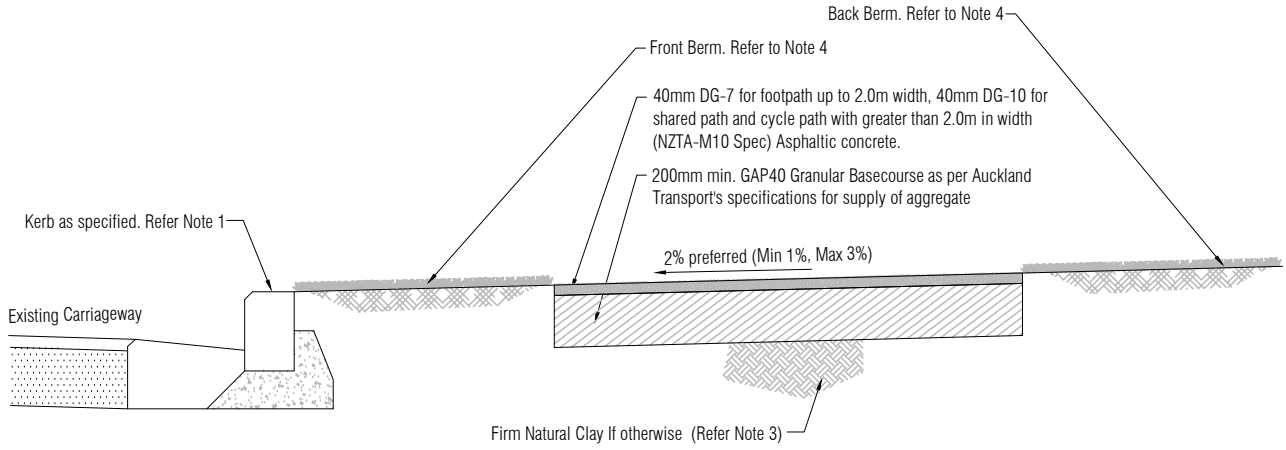
STITCHING BAR PLAN DETAIL

NOTES

1. Refer to Auckland Transport Standard Detail Drawing FP001 for footpath details
2. All Services Lids must be raised or lowered to be flush with footpath levels.
3. Concrete to have minimum compresion of 20MPa at 28th day
4. Concrete surface finish much comply with NZS 3114
5. Expansion / Construction Joint detail to be used when increasing the width of a footpath. Minimum width of new footpath must be two times the length of the dowel.



FOOTPATH



HEAVY DUTY FOOTPATH / SHARED PATH / CYCLE PATH

NOTES

1. All Services Lids must be raised/lowered to be flush with Footpath levels.
2. Footpath crossfall is to be 2% preferred and 3% maximum.
3. Basecourse or Bedding Layer depth must be increased for weak subgrade (CBR<3)
4. Check with EDC Footpath and Public Realm, table 1 for Urban Footpath and table 2 for Rural Footpath

CHIEF APPROVED ENGINEER

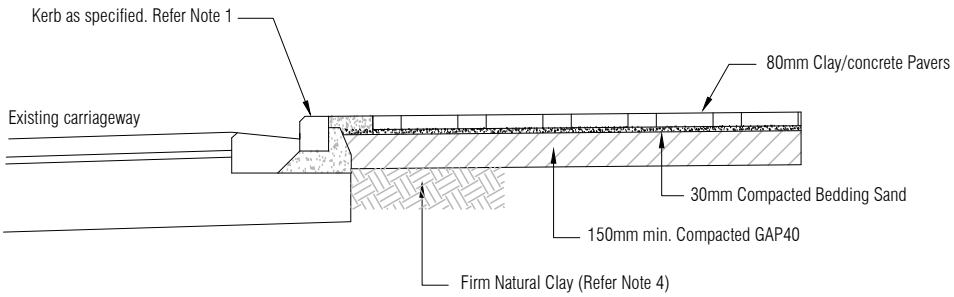
TDM TECHNICAL STANDARDS

Asphalt footpath

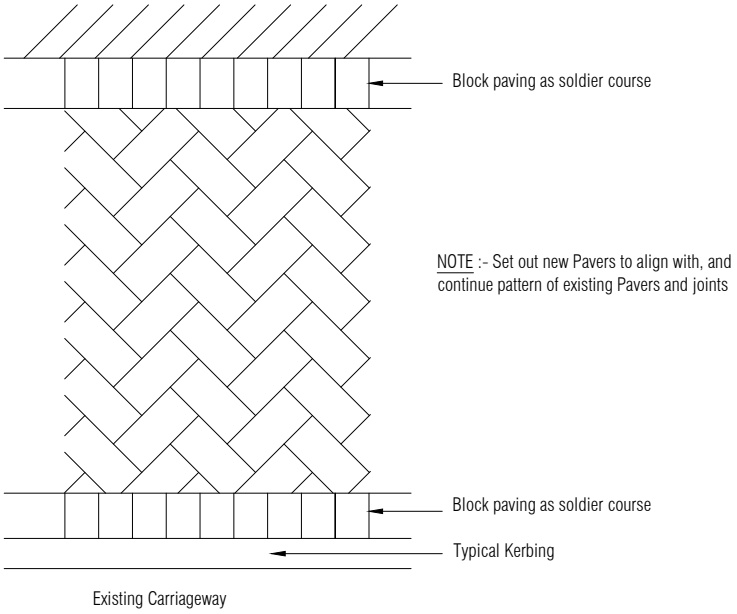
Date: 24/07/2024

SED No. FP0003

Version B



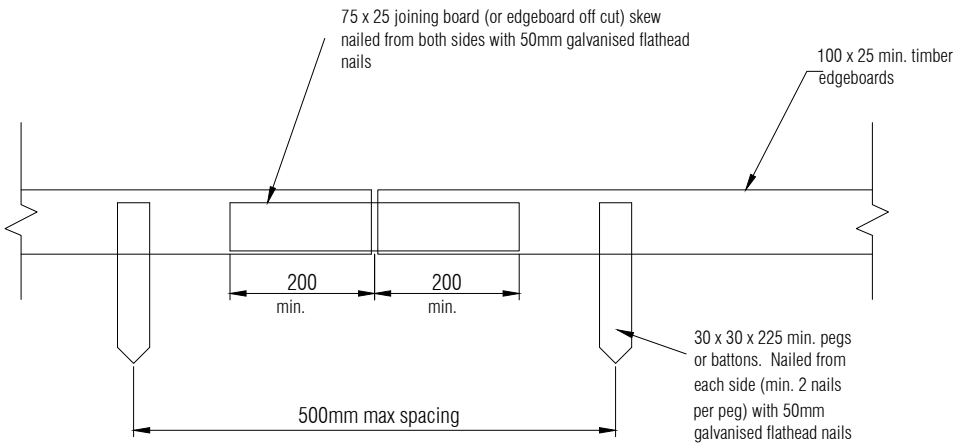
TYPICAL CROSS SECTION



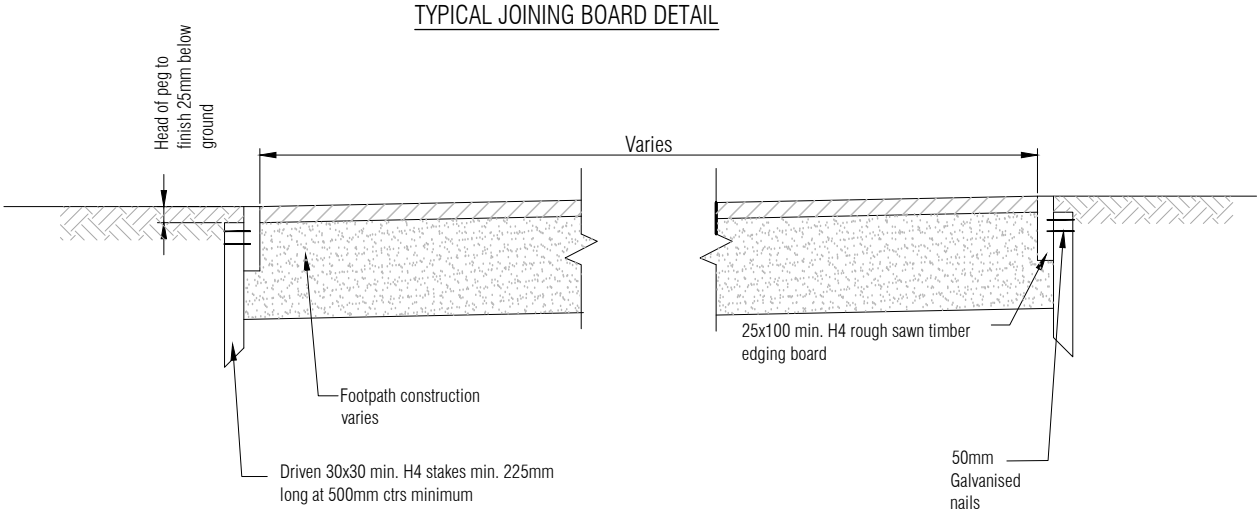
TYPICAL PLAN VIEW

NOTES

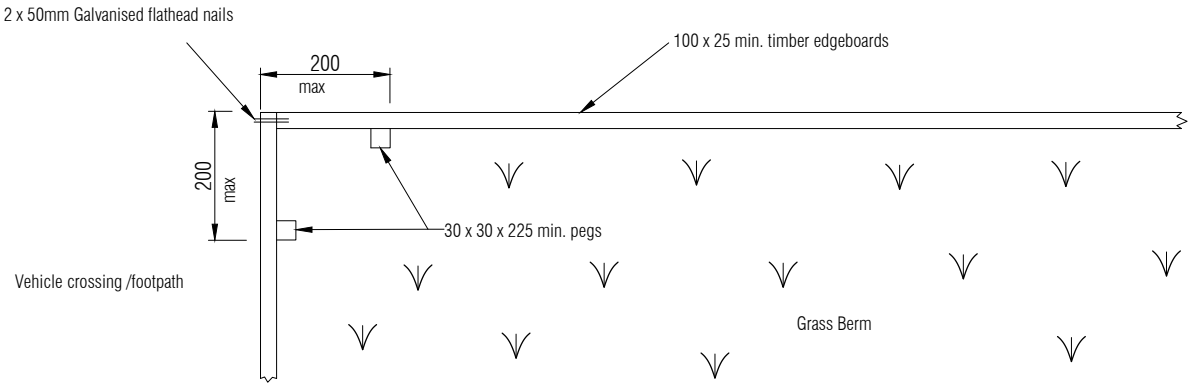
1. Refer to Auckland Transport Standard Detail Drawings for the following details :-
   Pram crossings - Plan No. FP0006
   Kerbs and Channels - Section KC0000.
2. All Services Lids must be raised or lowered must be flush with footpath levels.
3. All work in accordance with NZS 3116:2002 - Concrete Segmental and Flagstone paving and Suppliers Instructions.
4. Basecourse Layer depth must be increased for weak subgrade (CBR<3), as directed by the relevant AT Engineer.
5. Plant based herbicide weed killer must be applied before placement of aggregate .



TYPICAL JOINING BOARD DETAIL



TYPICAL FOOTPATH CROSS SECTION



TYPICAL CORNER DETAIL

NOTES:

1. All timber must be H4 treated.
2. The timber thicknesses and depths shown are minimum only and where site conditions require the dimensions are to be increased to suit or as directed by the relevant AT Engineer.

TDM TECHNICAL STANDARDS

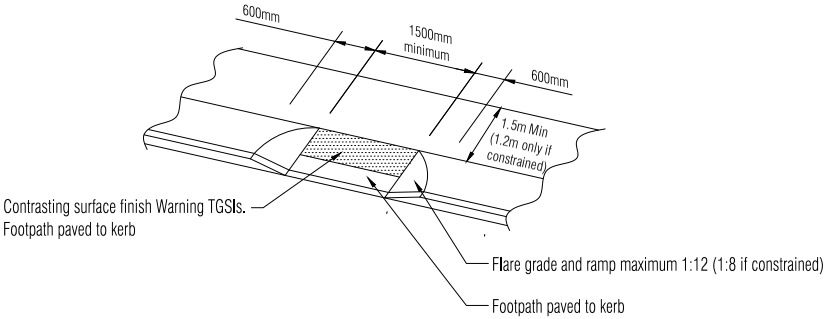
Pram crossing

APPROVED ENGINEER CHIEF

SED No. FP0006

Version C

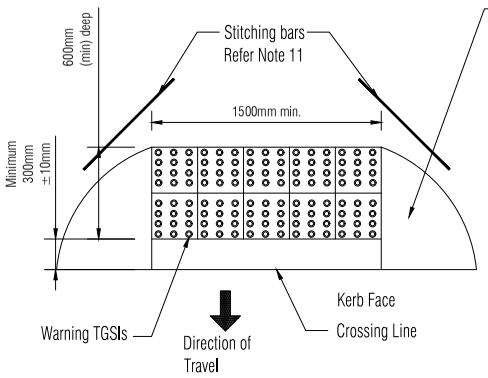
Date: 24/07/2024



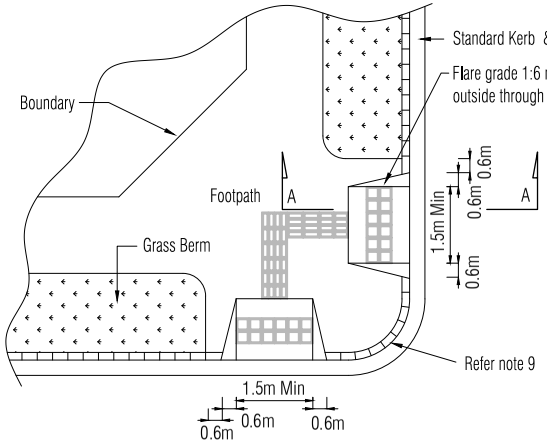
SURFACE FINISH TO KERB RAMPS

NOTES

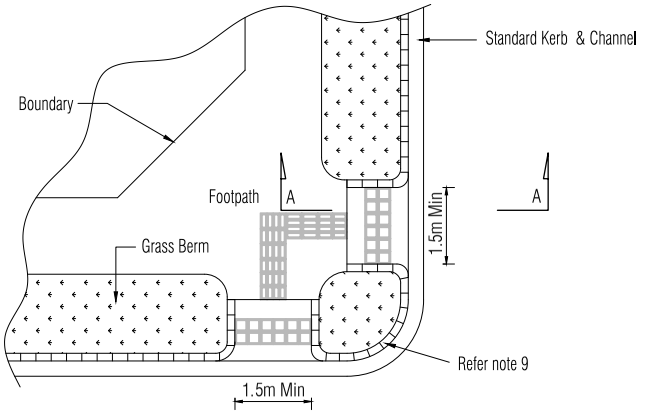
1. Edge of crossing to be finished flush with existing channel. (No Lip, maintain common surface).
2. Tactile Ground Surface Indicator (TGSI) must be installed in a accordance with:
   - NZTA RTS 14 Guidelines for facilities for blind and vision-impaired pedestrians.
   - AS/NZS 1428.4:2009 Design for access and mobility.
3. 300x300mm sealed yellow concrete warning TGSI tiles are to have a 100mm thick concrete slab under them and be butt jointed.
4. The crossing point should be oriented such that the leading edge of the crossing is perpendicular to the direction of travel.
5. Directional TGSIs should be provided as appropriate for the footpath configuration (not shown on this drawing)
6. Bluestone kerb blocks (where needed) must not extend across a pram crossing.
7. Unless otherwise approved by the relevent AT engineer , pram crossing must be constructed in accordance with the requirements for a concrete footpath.
8. The pram crossing ramp and flares should be constructed in contrasting colour and / or texture to the adjacent footpath.
9. The length of kerb upstand between kerb ramps shall be greater than 1.0m. A corner with no kerb upstand is permitted only where Barnes Dance pedestrian crossing is provided.
10. Pram crossing must be constructed in accordance with requirements for concrete footpath.
11. Stitching bars to be installed on corners as per TDM Technical standards FP0002A



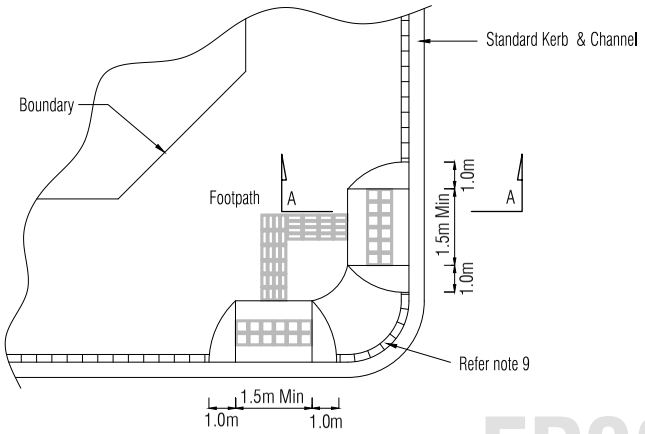
- Flare grade
  - 1:12 preferred
  - 1:8 maximum
  - 1:6 minimum outside clear through route (next to berm or street furniture)



PLAN (OPTION 1)



PLAN (OPTION 2)



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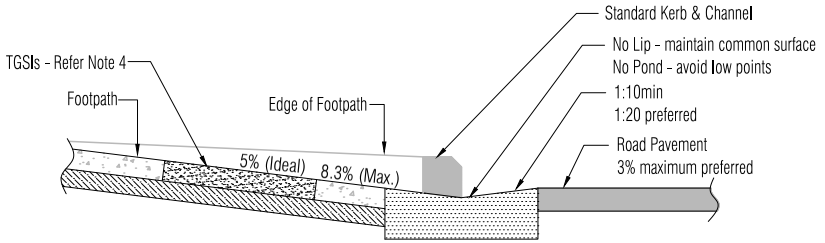
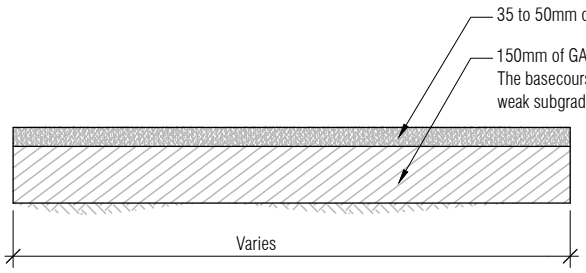


SECTION A-A

FP0006

NOTES

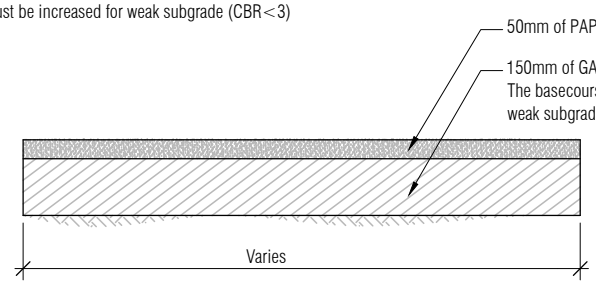
1. Weeds are able to grow easily through a hoggin surface, so the subgrade needs to be adequatly prepared. Weed control should be acheived through weed spraying of the basecourse before construction and the use of weed mats or other membranes below the basecourse.
2. Weed control to be achieved using plant based herbicides.
3. Hoggin is susceptible to surface water scour. Do not use where gradient exceeds 8%, or where surface water cannot be shed from the surface to adjoining berm
4. Basecourse or Bedding Layer depth must be increased for weak subgrade (CBR<3)



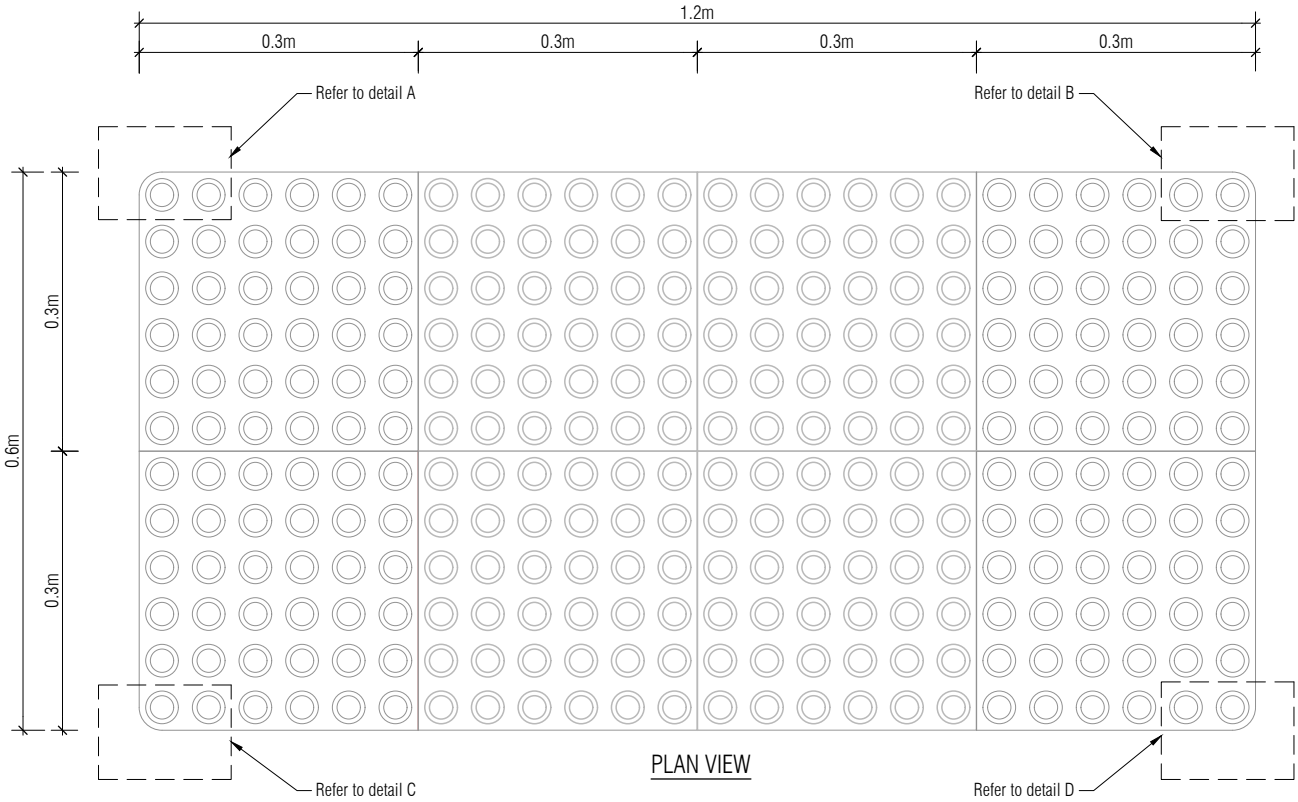
HOGGIN FOOTPATH

NOTES

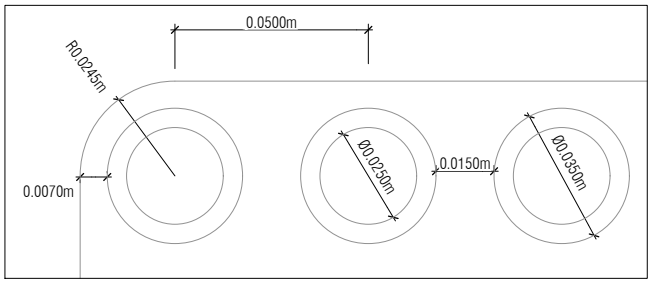
1. Weeds are able to grow easily through a metal surface, so the subgrade needs to be adequatly prepared. Weed control should be acheived through weed spraying of the basecourse before construction and the use of weed mats or other membranes below the basecourse.
2. Weed control to be achieved using plant based herbicides.
3. Basecourse or Bedding Layer depth must be increased for weak subgrade (CBR<3)



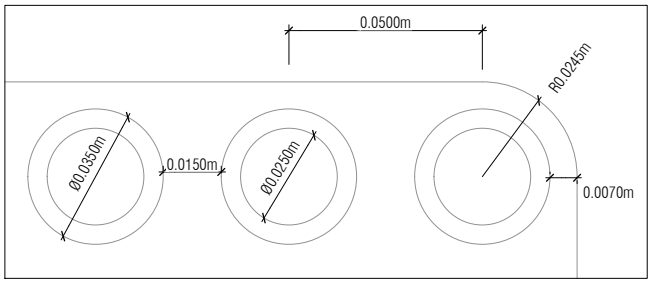
METAL FOOTPATH



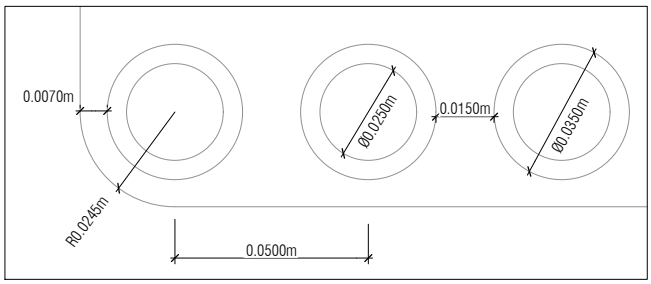
PLAN VIEW



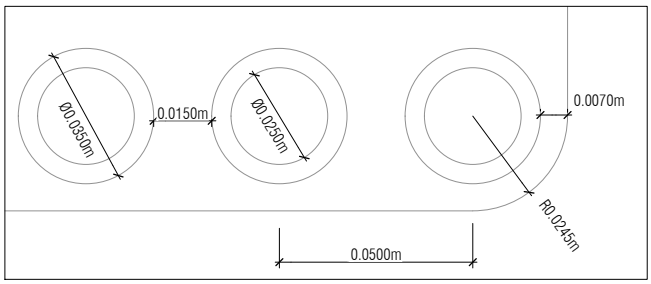
DETAIL A



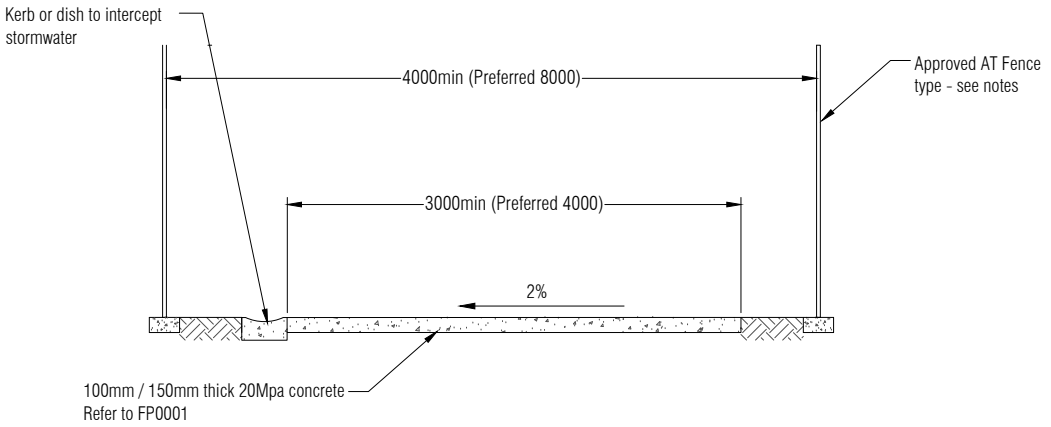
DETAIL B



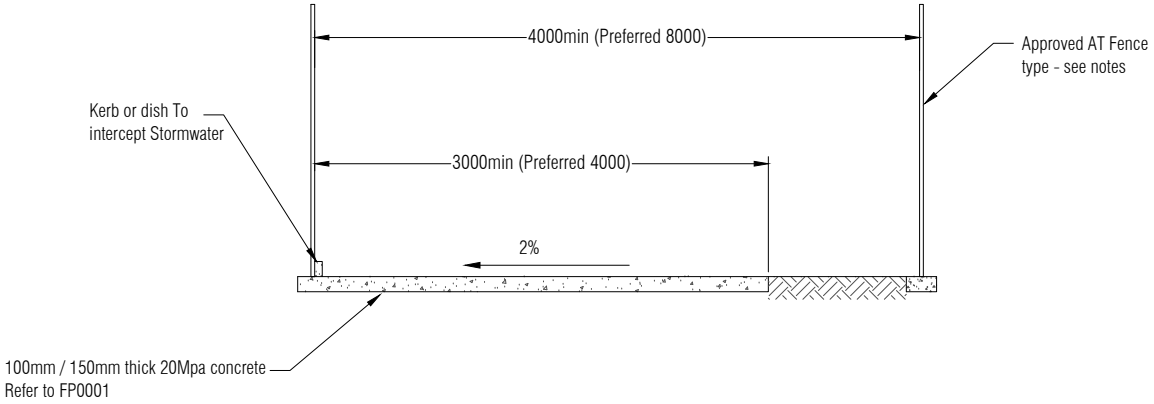
DETAIL C



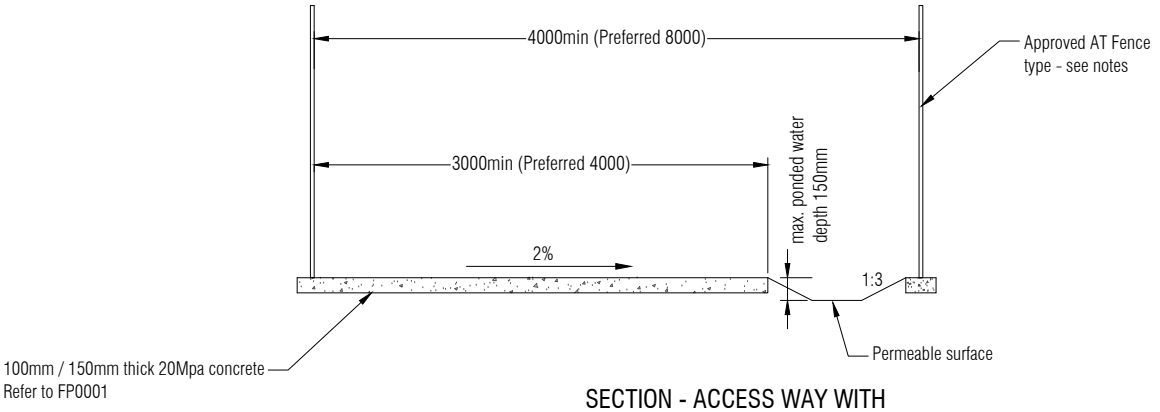
DETAIL D



SECTION - CENTRAL 3.0m PATH
SCALE 1 : 50



SECTION - 3.0m PATH TO SIDE
SCALE 1 : 50



SECTION - ACCESS WAY WITH SWALE/RAINGARDEN
SCALE 1 : 50

NOTES

1. Fences shall be open boarded 1.2m in height as per the Fence standard details unless agreed by departure from standard.
2. Refer to Auckland Transport EDC Footpath and Public Realm section 3.3 Pedestrian Accessway for further explanation.