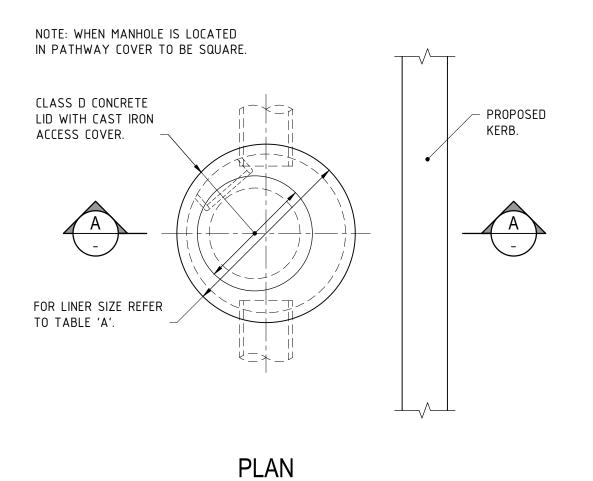
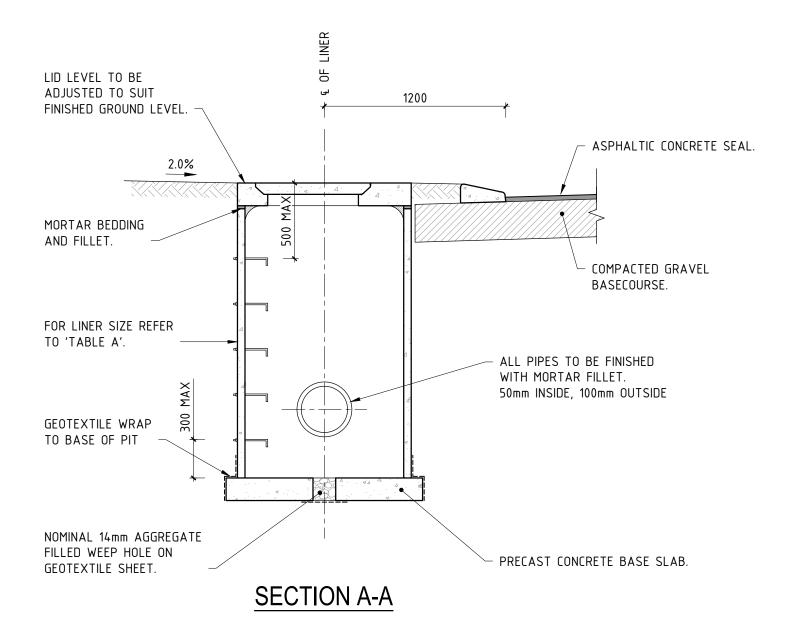
CITY OF ALBANY ENGINEERING SERVICES STANDARD CONSTRUCTION DRAWINGS

CATEGORY	DRAWING No.	DRAWING TITLE	REVISION
DRAINAGE	STD-01-01	TYPICAL MANHOLE	REV 0
	STD-01-02	UNIVERSAL SIDE ENTRY PIT	REV 0
	STD-01-03	COMBINATION SIDE ENTRY PIT	REV 0
	STD-01-04	GRATED GULLY PIT	REV 0
	STD-01-05	HOUSE CONNECTION PIT	REV 0
	STD-01-06	UNDERGROUND STORAGE PIT	REV 0
	STD-01-07	KERB OUTLET	REV 0
KERBING	STD-02-01	TYPE 1 KERB PROFILES	REV 0
	STD-02-02	TYPE 2 KERB PROFILES	REV 0
	STD-02-03	TYPE 3 KERB PROFILES	REV 0
	STD-02-04	CONCRETE APRON	REV 0
PATHWAYS	STD-03-01	CONCRETE PATHWAY DETAILS	REV 0
	STD-03-02	ASPHALT PATHWAY DETAILS	REV 0
	STD-03-03	PEDESTRIAN RAMP - TYPE 1	REV 0
	STD-03-04	PEDESTRIAN RAMP - TYPE 2	REV 0
	STD-03-05	BICYCLE ENTRY & EXIT RAMP DETAILS	REV 0
SIGNS	STD-04-01	STREET NAME SIGNS	REV 0
CROSSOVERS	STD-05-01	STANDARD CROSSOVER - CONCRETE	REV 0
	STD-05-02	STANDARD CROSSOVER - ASPHALT	REV 0
	STD-05-03	STANDARD CROSSOVER - PAVED	REV 0
TREE PLANTING	STD-06-01	TREE PLANTING DETAILS	REV 0





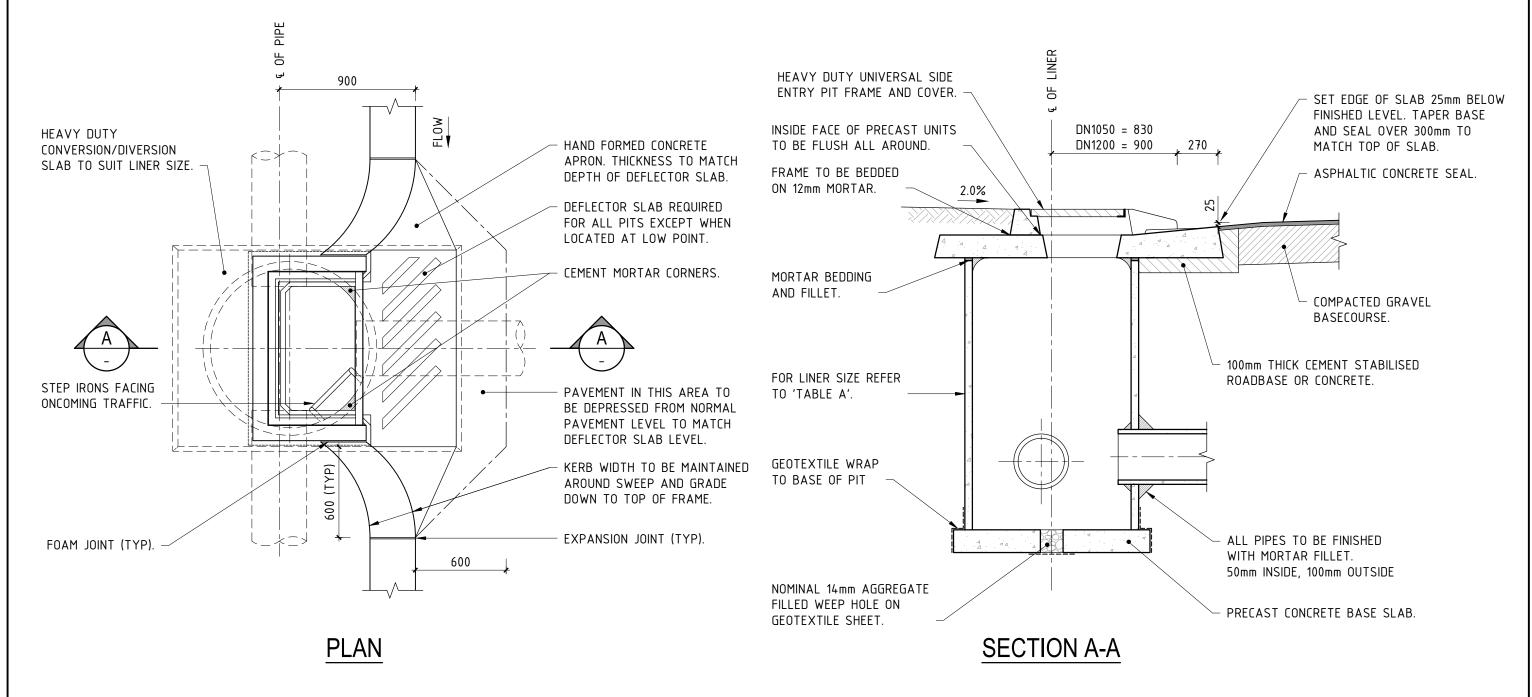


TYPICAL MANHOLE

SCALE: 1:25

	TABLE A										
PIPE SIZE Ø	LINER TO BE SPUN CONCRETE WITH INTERLOCKING JOINTS										
225 - 450	DN1050										
525 - 600	DN1200										

REV DESCRIPTION APPROVED DATE			PROJECT							
0 APPROVED	102 NORTH ROAD, YAKAMIA WA 6330		CITY OF ALBANY ENGINEERING SERVICES							
	# ·	CONSTRUCTION ISSUE								
	PO BOX 484 ALBANY WA 6331	COMPTION 1990F	STANDARD CONSTRUCTION DRAWINGS							
	Tel: (08) 9841 9333	AUTHORISED DESIGNED DRAWN	DRAWING NAME							
	Fax: (08) 9841 4099									
		JLP	TYPICAL MANHOLE							
	Email: cityassets@albany.wa.gov.au Website: www.albany.wa.gov.au	THIS DRAWING IS NOT TO BE								
	Website: www.albany.wa.gov.au	USED FOR CONSTRUCTION	DRAWING NO FILE REF JOB NO SCALE SHEET NO REV							
	vvebsite. www.albarty.wa.gov.au	UNLESS SIGNED AS APPROVE	D 1:25 @ A3 STD-01-01 0							
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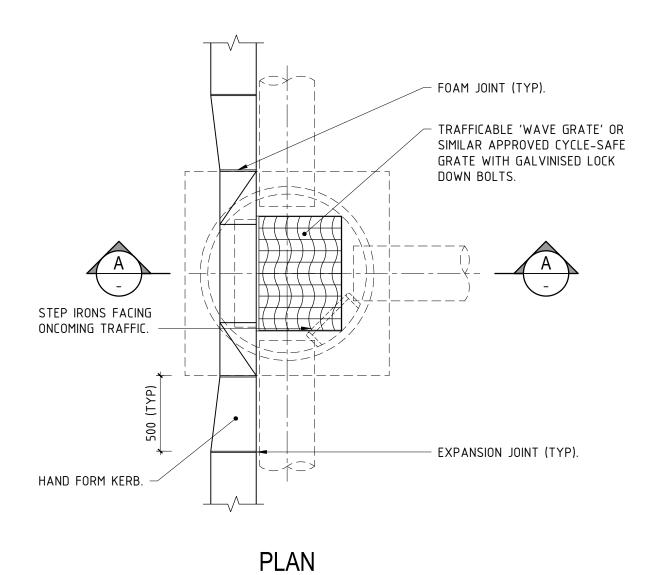


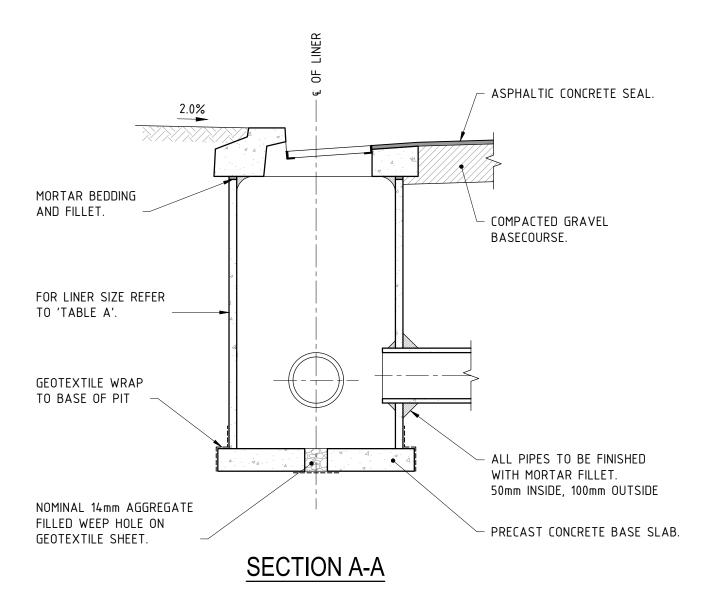
UNIVERSAL SIDE ENTRY PIT

SCALE: 1:25

TABLE A									
PIPE SIZE Ø	LINER TO BE SPUN CONCRETE WITH INTERLOCKING JOINTS								
225 - 450	DN1050								
525 - 600	DN1200								

REV	DESCRIPTION	APPROVED	DATE					PROJECT						
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					Tel: (08) 9841 9333	AUTHORISED	DESIGNED DRAWN	DRAWING NAME						
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				Albally	Email: diyassoowaabany.wa.gov.aa		THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION	DRAWING No	FILE REF	JOB No	SCALE	SHEET No	REV	
					Website: www.albany.wa.gov.au		UNLESS SIGNED AS APPROVED				1:25 @ 42	STD-01-02		
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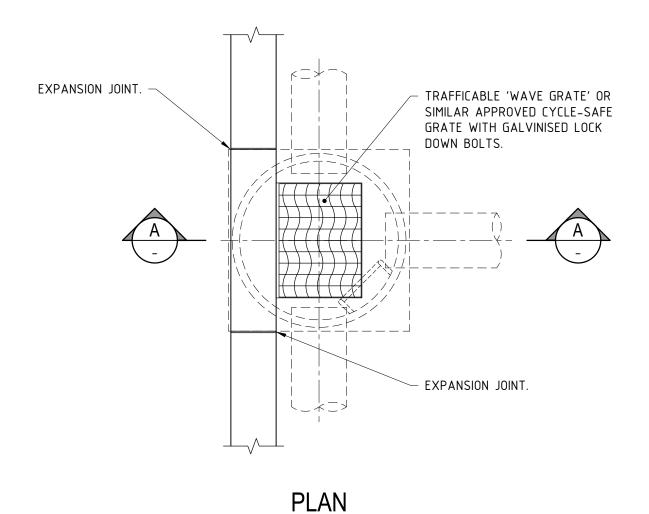


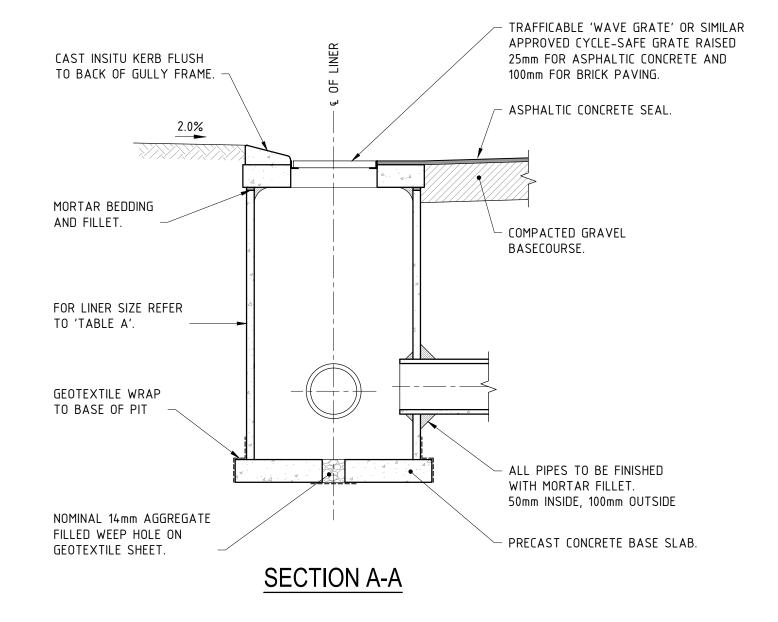
COMBINATION SIDE ENTRY PIT

SCALE: 1:25

TABLE A									
PIPE SIZE Ø	LINER TO BE SPUN CONCRETE WITH INTERLOCKING JOINTS								
225 - 450	DN1050								
525 - 600	DN1200								

REV DESCRIPTION	APPROVED	DATE						PROJECT						
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			A PICITY OF	Fax: (08) 9841 4099			JLP	COMBINATION SIDE ENTRY PIT						
			Albany	Email: cityassets@albany.wa.gov.au	THIS DD	RAWING IS N								
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			•	Website: www.albany.wa.gov.au	UNLESS SIGNED AS APPROVED		-	-	-	1:2	5 @ A3	STD-01-03	0	
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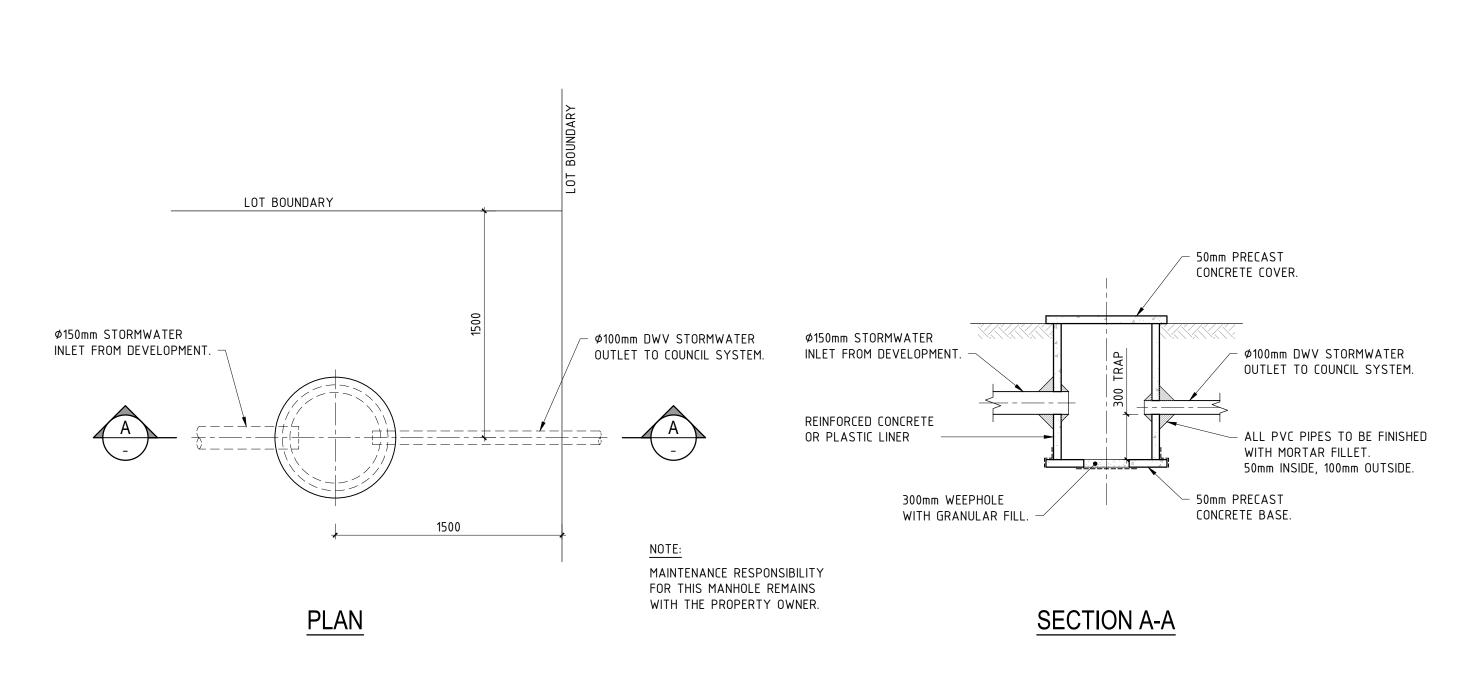


GRATED GULLY PIT

SCALE: 1:25

	TABLE A									
PIPE SIZE Ø	LINER TO BE SPUN CONCRETE WITH INTERLOCKING JOINTS									
225 - 450	DN1050									
525 - 600	DN1200									

REV	DESCRIPTION	APPROVED	DATE					PROJECT							
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				A TICITY OF	Fax: (08) 9841 4099		JLP	GRATED	GULLY PIT						
				Albany	Email: cityassets@albany.wa.gov.au		THIS DRAWING IS NOT TO BE	JOINTLD	OULLIII						
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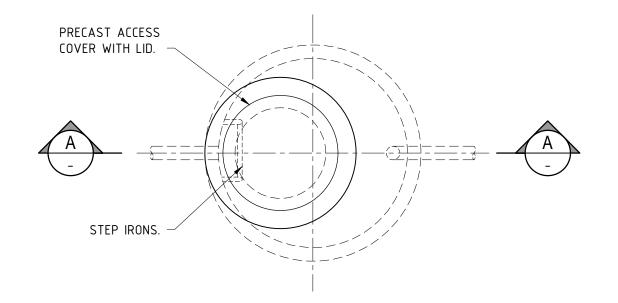
HOUSE CONNECTION PIT

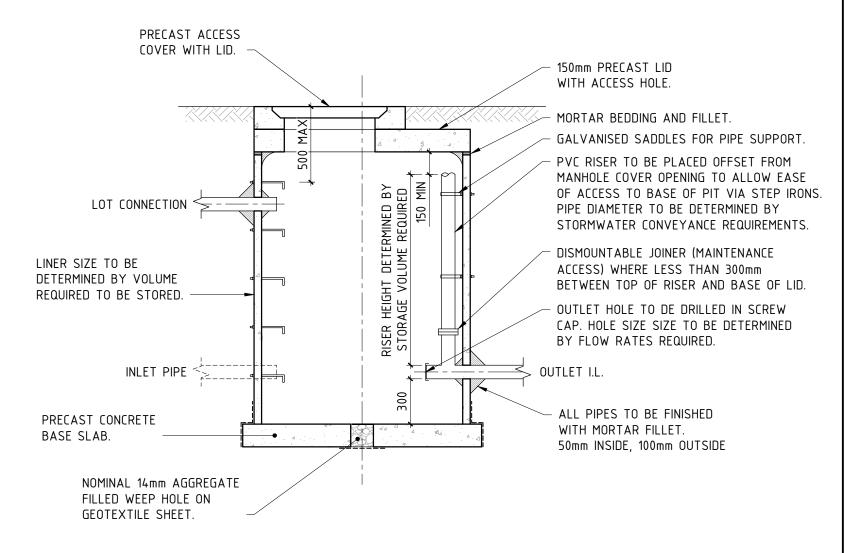
SCALE: 1:25

NOTE: WHERE CONNECTION IS REQUIRED TO CITY OF ALBANY STORMWATER INFRASTRUCTURE, A PERMIT IS REQUIRED PRIOR TO CONNECTION.

HOUSE CONNEC	CTION PIT TABLE						
H.C. PIT DEPTH	INSIDE DIAMETER						
LESS THAN 1200	600						
GREATER THAN 1200	900 WITH STEP IRONS						

REV DESCRIPTION APPROVED DATE				PROJECT						
0 APPROVED	102 NORTH ROAD, YAKAMIA WA 6330	102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331 CONSTRUCTION ISSUE CITY OF ALBANY ENGINEERING SERVICES STANDARD CONSTRUCTION DRAWINGS								
		CONSTRUCTION								
	PO BOX 484 ALBANY WA 6331	CONSTRUCTION	STANDARD CONSTRUCTION DRAWINGS							
	Tel: (08) 9841 9333	AUTHORISED DESIGNED	DRAWN	DRAWING NAME						
	Fax: (08) 9841 4099		JLP	HOUSE CO	ANNECTION!	DIT				
	Alpany Email: cityassets@albany.wa.gov.au	THIS DDAWN	ING IS NOT TO BE	HOUSE CONNECTION PIT						
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PLAN SECTION A-A

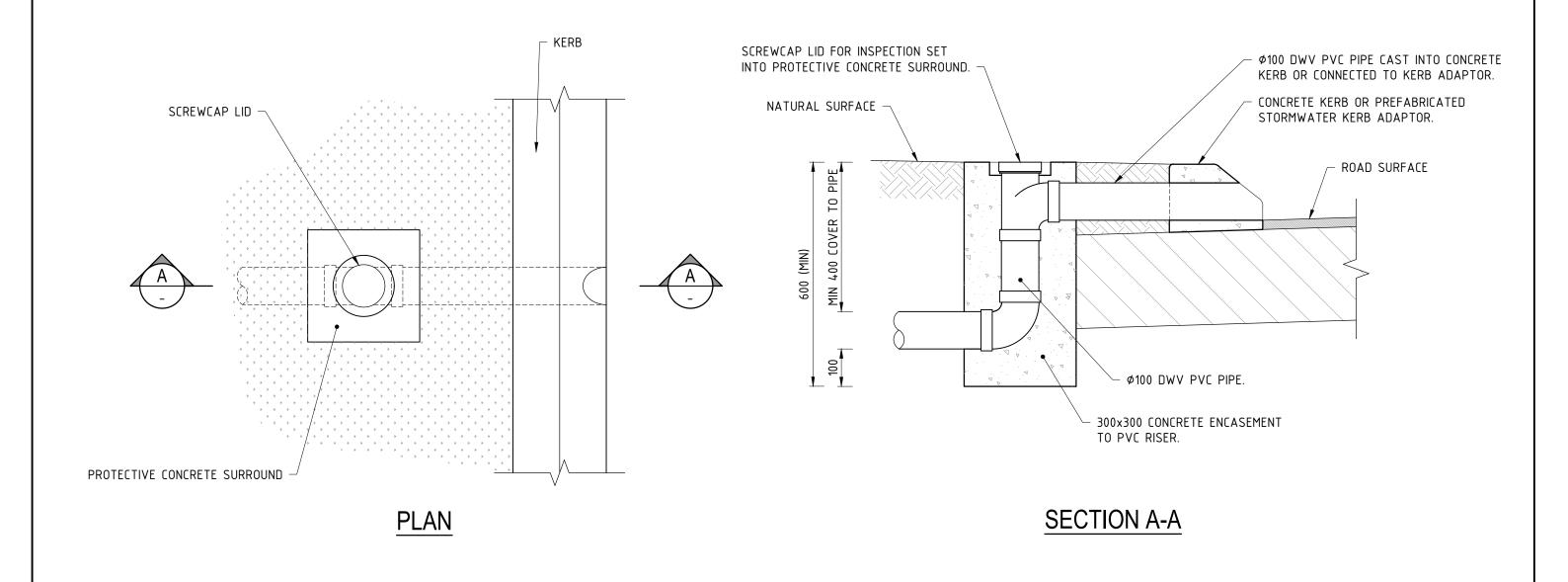
UNDERGROUND ATTENUATION PIT

SCALE: 1:25

NOTE: STEP IRONS TO BE INSTALLED WHERE DEPTH IS GREATER THAN 1000mm FROM COVER TO BASE @300mm CENTRES.

BOTTOM STEP 300mm ABOVE BASE.

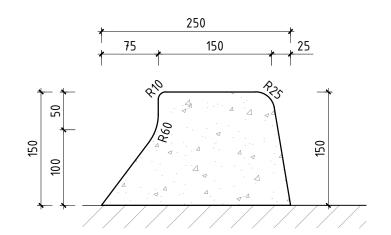
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		A ILOUTY OF	Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au			JLP	UNDERG	ROUND A	TTENUATION	N PIT		
		Albany	Website: www.albany.wa.gov.au		THIS DRAWING USED FOR CO UNLESS SIGNED			FILE REF	JOB No	1:25 @ A3	STD-01-06	nev O



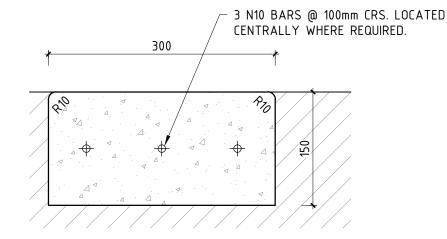
KERB OUTLET DETAIL

SCALE: 1:10

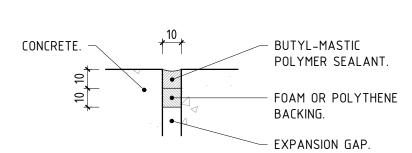
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0	DESCRIPTION APPROVED APPROVED	DATE			102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331	CONSTRUCTION	ON ISSUE	CITY OF ALBA				
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			Albany	Email: cityassets@albany.wa.gov.au		THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION	STORMWATER KER	B OUTLET	SCALE	SHEET No	REV	
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BARRIER KERB (TYPE 1) SCALE: 1:5



FLUSH KERB (TYPE 1) SCALE: 1:5



TYPICAL KERB PROFILES.

250x100 CONCRETE

KEY.

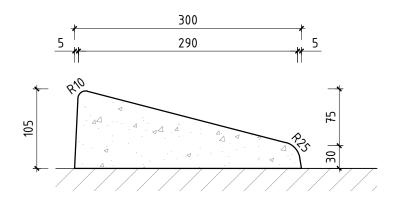
EXPANSION JOINT DETAIL

TYPICAL KERB KEYING
SCALE: 1:5

SCALE: 1:2

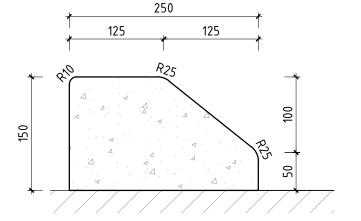
NOTES:

- CONCRETE FOR KERBING SHALL CONFORM TO AS 1379-1991.
- 2. MINIMUM COMPRESSIVE STRENGTH 25MPa AT 28 DAYS.
- 3. MAXIMUM AGGREGATE SIZE 14mm.
- 4. MAXIMUM SLUMP 75mm.
- 5. KEYED KERBING SHALL BE PROVIDED WHERE RADIUS OF CURVATURE IS LESS THAN 40m.
- 6. ALL TYPE 1 MOUNTABLE KERB TO BE KEYED.
- 7. CONTRACTION JOINTS SHALL BE PROVIDED AT 2.0m CENTRES CONSISTING OF A GROOVE TROWELLED INTO THE CONCRETE SURFACE.
- 8. EVERY ALTERNATE JOINT SHALL BE AN EXPANSION JOINT AND SHALL CONSIST OF A FOAM FILLED, MASTIC GAP, 10mm WIDE CUT TO THE FULL DEPTH OF THE KERB.



MOUNTABLE KERB (TYPE 1)

SCALE: 1:5



SEMI-MOUNTABLE KERB (TYPE 1)

SCALE: 1:5

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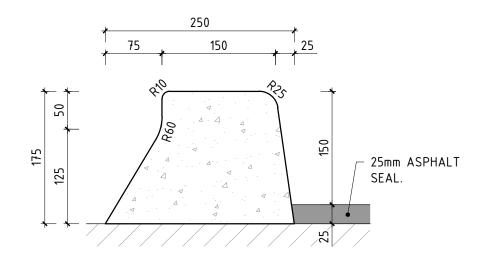
102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331 Tel: (08) 9841 9333 Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au Website: www.albany.wa.gov.au

CONSTRUCTION ISSUE

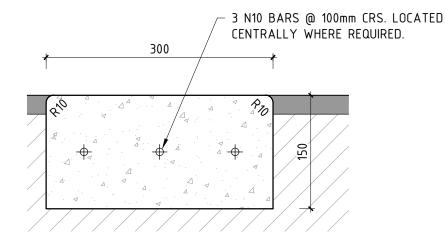
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CITY OF ALBANY ENGINEERING SERVICES STANDARD CONSTRUCTION DRAWINGS

	DRAWING NAME										
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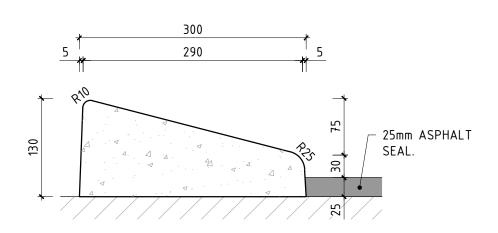


BARRIER KERB (TYPE 2) SCALE: 1:5



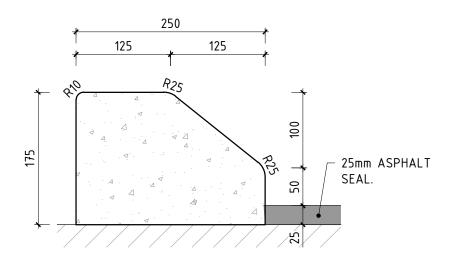
FLUSH KERB (TYPE 2)

SCALE: 1:5



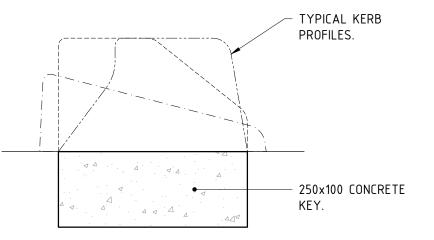
MOUNTABLE KERB (TYPE 2)

SCALE: 1:5



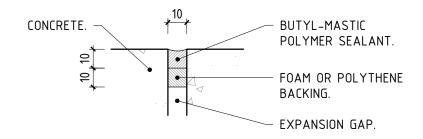
SEMI-MOUNTABLE KERB (TYPE 2)

SCALE: 1:5



TYPICAL KERB KEYING

SCALE: 1:5



EXPANSION JOINT DETAIL

SCALE: 1:2

NOTES:

- CONCRETE FOR KERBING SHALL CONFORM TO AS 1379-1991.
- 2. MINIMUM COMPRESSIVE STRENGTH 25MPa AT 28 DAYS.
- 3. MAXIMUM AGGREGATE SIZE 14mm.
- 4. MAXIMUM SLUMP 75mm.
- 5. KEYED KERBING SHALL BE PROVIDED WHERE RADIUS OF CURVATURE IS LESS THAN 40m.
- 6. CONTRACTION JOINTS SHALL BE PROVIDED AT 2.0m CENTRES CONSISTING OF A GROOVE TROWELLED INTO THE CONCRETE SURFACE.
- 7. EVERY ALTERNATE JOINT SHALL BE AN EXPANSION JOINT AND SHALL CONSIST OF A FOAM FILLED, MASTIC GAP, 10mm WIDE CUT TO THE FULL DEPTH OF THE KERB.

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102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331 Tel: (08) 9841 9333 Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au Website: www.albany.wa.gov.au

CONSTRUCTION ISSUE

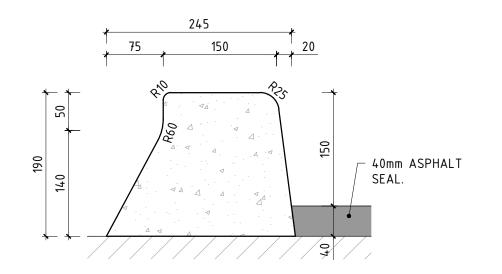
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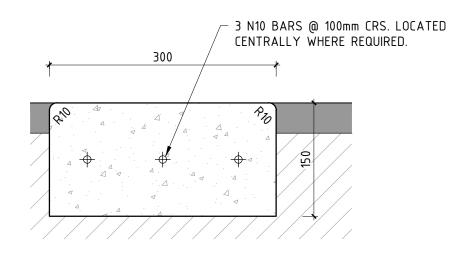
TYPE 2 KERB PROFILES - 25mm ASPHALT
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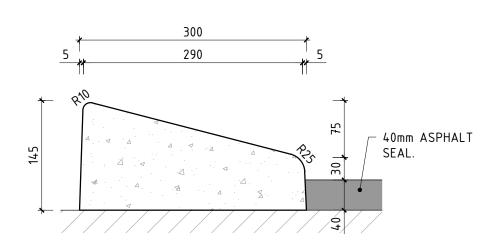
BARRIER KERB (TYPE 3)

SCALE: 1:5



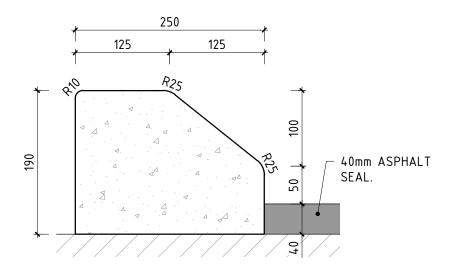
FLUSH KERB (TYPE 3)

SCALE: 1:5



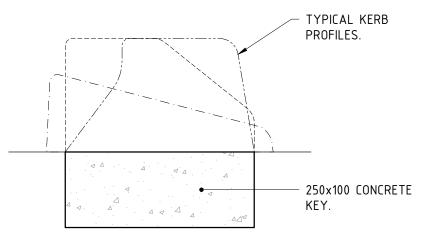
MOUNTABLE KERB (TYPE 3)

SCALE: 1:5



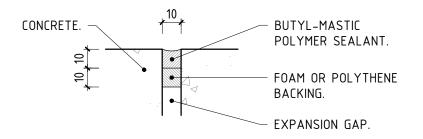
SEMI-MOUNTABLE KERB (TYPE 3)

SCALE: 1:5



TYPICAL KERB KEYING

SCALE: 1:5



EXPANSION JOINT DETAIL

SCALE: 1:2

NOTES:

- 1. CONCRETE FOR KERBING SHALL CONFORM TO AS 1379-1991.
- MINIMUM COMPRESSIVE STRENGTH 25MPa AT 28 DAYS.
- 3. MAXIMUM AGGREGATE SIZE 14mm.
- 4. MAXIMUM SLUMP 75mm.
- 5. KEYED KERBING SHALL BE PROVIDED WHERE RADIUS OF CURVATURE IS LESS THAN 40m.
- 6. CONTRACTION JOINTS SHALL BE PROVIDED AT 2.0m CENTRES CONSISTING OF A GROOVE TROWELLED INTO THE CONCRETE SURFACE.
- 7. EVERY ALTERNATE JOINT SHALL BE AN EXPANSION JOINT AND SHALL CONSIST OF A FOAM FILLED, MASTIC GAP, 10mm WIDE CUT TO THE FULL DEPTH OF THE KERB.

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102 NORTH ROAD, YAKAMIA WA 6330
PO BOX 484 ALBANY WA 6331
Tel: (08) 9841 9333
Fax: (08) 9841 4099
Email: cityassets@albany.wa.gov.au
Website: www.albany.wa.gov.au

CONSTRUCTION ISSUE

JLP

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CITY OF ALBANY ENGINEERING SERVICES STANDARD CONSTRUCTION DRAWINGS

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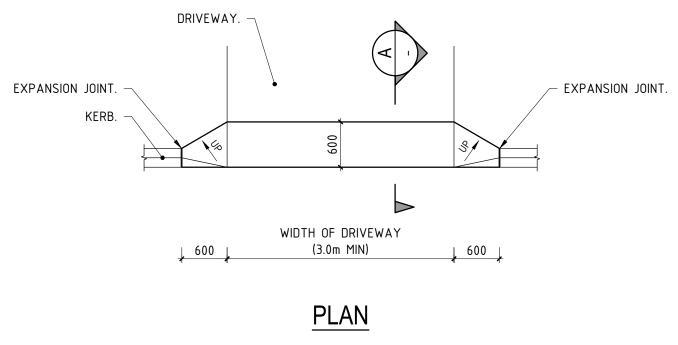
TYPE 3 KERB PROFILES - 40mm ASPHALT

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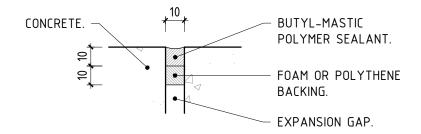
ELEVATION



CONCRETE APRON

SCALE: 1:50

NOTE: CONCRETE APRONS ARE NOT REQUIRED IN AREAS WHERE MOUNTABLE KERBING HAS BEEN USED.

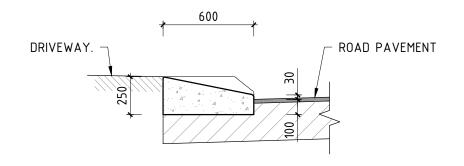


EXPANSION JOINT DETAIL

SCALE: 1:2

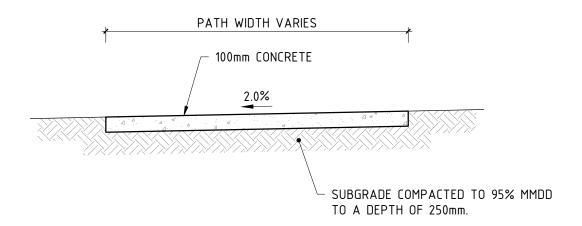
NOTES:

- 1. CONCRETE STRENGTH TO BE 25MPa COMPRESSIVE STRENGTH AT 28 DAYS. MAXIMUM AGGREGATE SIZE 14mm AND SLUMP OF 75mm
- CONCRETE APRON TO HAVE A DEEP BROOM FINISH (2mm) WITH A SMOOTH EDGE APPROX 75mm WIDE AT EDGES AND EXPANSION JOINTS.
- 3. EXPANSION JOINT PACKING MATERIAL TO EXTEND 50MM BELOW BASE OF PATH AND 10MM OUT OF SIDES TO ENSURE COMPLETE SEPARATION OF PANELS.
- 4. F62 STEEL REINFORCING MESH REQUIRED IN COMMERCIAL/INDUSTRIAL & HEAVY INDUSTRIAL APRONS ONLY. REFER TO CITY OF ALBANY ENGINEERING SERVICES STANDARD CONSTRUCTION DRAWING STD-05-01 FOR CROSSOVER DETAILS.



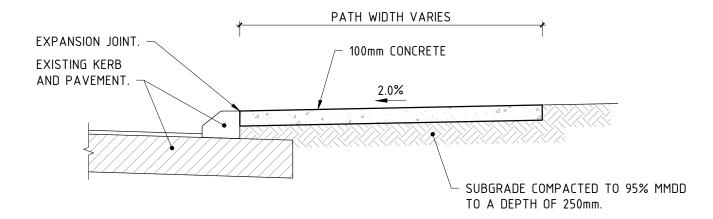
SECTION A
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					PO BOX 484 ALBANY WA 6331	CONSTRUCTION	ON ISSUE	ST	ANDARD C	ONSTRU	ICTION DR	AWINGS)
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				Albany	Email: cityassets@albany.wa.gov.au		THIS DRAWING IS NOT TO BE	CONCIN					
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				•	Website: www.albany.wa.gov.au		UNLESS SIGNED AS APPROVED	-	-	-	1:25 @ A3	STD-02-04	0
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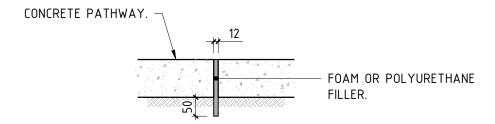
TYPICAL CONCRETE PATHWAY

SCALE: 1:25



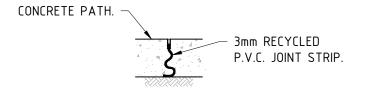
TYPICAL CONCRETE PATHWAY TO BACK OF KERB

SCALE: 1:25



PATHWAY EXPANSION JOINT DETAIL

SCALE: 1:10



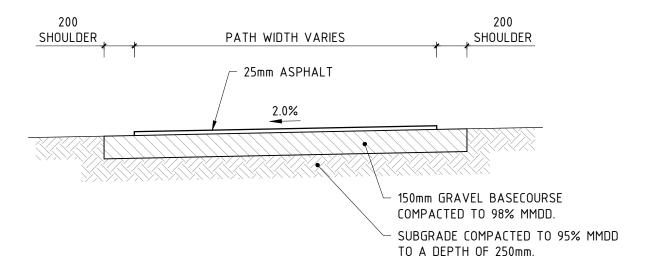
LOCK JOINT DETAIL

SCALE: 1:10

NOTES:

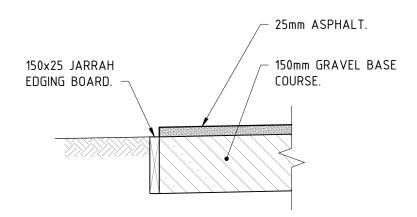
- 1. CONCRETE STRENGTH TO 25Mpa COMPRESSIVE STRENGTH AT 28 DAYS. MAXIMUM AGGREGATE SIZE 14mm AND MAX SLUMP OF 75mm.
- 2. PATHWAY TO HAVE A DEEP BROOM FINISH (2mm) WITH A SMOOTH EDGE APPROX 75mm WIDE AT EDGES AND EXPANSION JOINTS. THERE IS TO BE NO SMOOTH EDGE AT LOCK JOINTS.
- 3. LOCK JOINT SPACING NOT TO EXCEED 1.5 x PATHWAY WIDTH.
- 4. EXPANSION JOINTS TO BE INSTALLED AT 50m SPACING ON STRAIGHTS, AT THE START AND END OF CURVES, WHERE PATH CONNECTS ANOTHER PATH OR KERB, BETWEEN BACK OF KERB AND EDGE OF PATH, AND WHERE PATH ABUTS A BUILDING OR IN-GROUND INFRASTRUCTURE.
- 5. PATHWAY EXPANSION JOINTS TO ALIGN WITH KERB EXPANSION JOINTS.
- 6. EXPANSION JOINT PACKING MATERIAL TO EXTEND 50mm BELOW BASE OF PATH AND 10mm OUT OF SIDES TO ENSURE COMPLETE SEPARATION OF PANELS.

REV DESCRIPTION APPROVE	DATE						PROJECT					
0 APPROVED			102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331	CONSTRUCTIO	ON IS	SUE	CITY OF ALBANY ENGINEERING SERVING STANDARD CONSTRUCTION DRAWIN					
		Albany	Tel: (08) 9841 9333 Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au	AUTHORISED I	THIS DRAWING		CONCF	RETE PATHWA	/ DETAILS	<u> </u>		
		Albally	Website: www.albany.wa.gov.au		USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED		DRAWING No - \works & services	FILE REF - s\city engineering\engineering\04	JOB No drafting\ city of	1:25 @ A3	STD-03-01	0



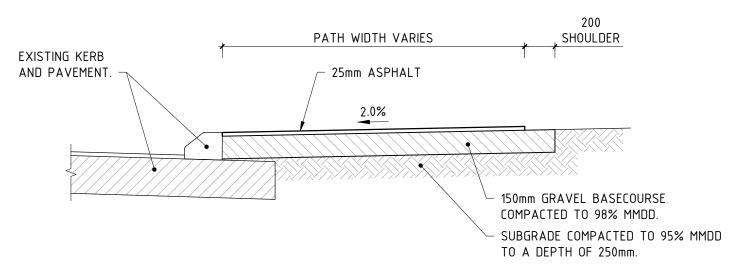
TYPICAL ASPHALT PATHWAY

SCALE: 1:25



TIMBER EDGING DETAIL

SCALE: 1:10



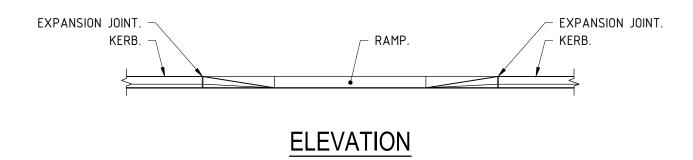
TYPICAL ASPHALT PATHWAY TO BACK OF KERB

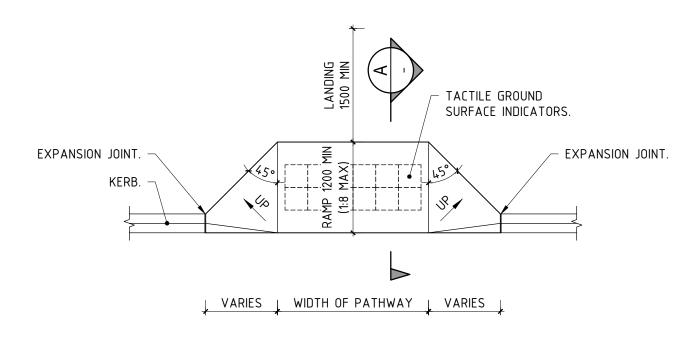
SCALE: 1:25

NOTES:

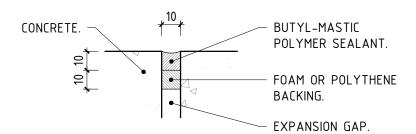
- 1. ALL BITUMEN PRODUCTS SHALL COMPLY WITH THE FOLLOWING RELEVANT STANDARDS
 - AS2008-1997 RESIDUAL BITUMEN FOR PAVEMENTS.
 - AS2150-2005 HOT MIX ASPHALT A GUIDE TO GOOD PRACTICE.
 - AS1160-1996 BITUMEN EMULSIONS FOR THE CONSTRUCTION AND MAINTENANCE OF PAVEMENTS.

PEV DESCRIPTION	APPROVED DATE					PROJECT					
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			Tel: (08) 9841 9333	AUTHORISED	DESIGNED DRAWN	DRAWING NAME					
		A TICITY OF	Fax: (08) 9841 4099		JLP	ASPHALT	PATHWAY D	FTAILS			
		Albany	Email: cityassets@albany.wa.gov.au		THIS DRAWING IS NOT TO BE		FILE REF	IOR No.	SCALE	SHEET No	DEV
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PLAN

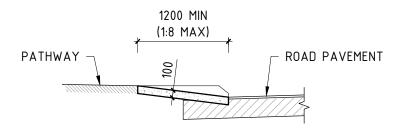


EXPANSION JOINT DETAIL

SCALE: 1:2

NOTES:

- 1. THE KERB RAMP SHOULD BE ALIGNED IN THE DIRECTION OF TRAVEL.
- 2. EDGE OF RAMP SHALL BE FLUSH WITH ROAD PAVEMENT (ASPHALT OR SEAL).
- 3. CONCRETE STRENGTH TO BE 25MPa COMPRESSIVE STRENGTH AT 28 DAYS. MAXIMUM AGGREGATE SIZE 14mm AND SLUMP OF 75mm.
- ALL CONCRETE SHALL BE BROOM FINISHED ACROSS THE DIRECTION OF PEDESTRIAN TRAFFIC TO PROVIDE A NON-SLIP FINISH.
- 5. TACTILE GROUND SURFACE INDICATORS SHOULD BE PROVIDED AND INSTALLED AS PER AS 1428.4.

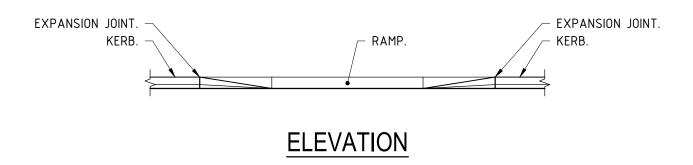


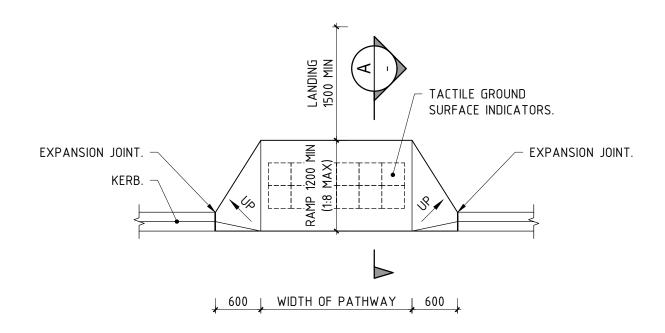
SECTION A

PEDESTRIAN RAMP - TYPE 1

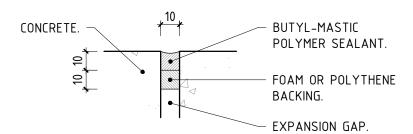
SCALE: 1:50

REV DESCRIPTION APPROVED DATE				PROJECT			
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	, ,	AUTHORISED		DRAWING NAME			
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Alban	Errialii. Gityassets@albarry.wa.gov.ad		THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION	DRAWING No FILE REF	JOB No SCALE	SHEET No REV	
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PLAN

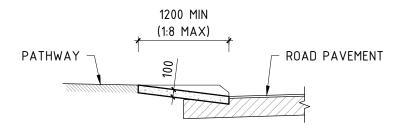


EXPANSION JOINT DETAIL

SCALE: 1:2

NOTES:

- 1. THE KERB RAMP SHOULD BE ALIGNED IN THE DIRECTION OF TRAVEL.
- 2. EDGE OF RAMP SHALL BE FLUSH WITH ROAD PAVEMENT (ASPHALT OR SEAL).
- 3. CONCRETE STRENGTH TO BE 25MPa COMPRESSIVE STRENGTH AT 28 DAYS. MAXIMUM AGGREGATE SIZE 14mm AND SLUMP OF 75mm.
- 4. ALL CONCRETE SHALL BE BROOM FINISHED ACROSS THE DIRECTION OF PEDESTRIAN TRAFFIC TO PROVIDE A NON-SLIP FINISH.
- 5. TACTILE GROUND SURFACE INDICATORS SHOULD BE PROVIDED AND INSTALLED AS PER AS 1428.4.

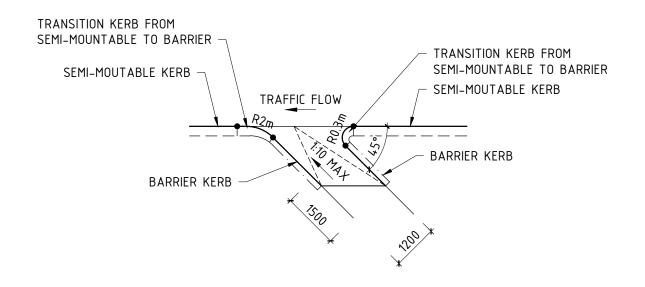


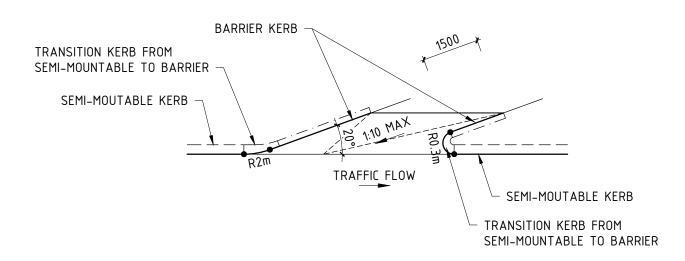
SECTION A

PEDESTRIAN RAMP - TYPE 2

SCALE: 1:50

REV DESCRIPTION APPROVED	DATE						PROJECT			
0 APPROVED		102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331 CONSTRUCTION ISSUE		CITY OF ALBANY ENGINEERING SERVICES						
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			Tel: (08) 9841 9333	AUTHORISED	DESIGNED	DRAWN	DRAWING NAME			
		A ILOTY OF	Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au				PEDESTRIAN RAMP - TYP	PE 2		
		Albany	Website: www.albany.wa.gov.au	THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED AS APPROVED		DRAWING No FILE REF JOB No	- 1:50 @ A3	STD-03-04	REV 0	





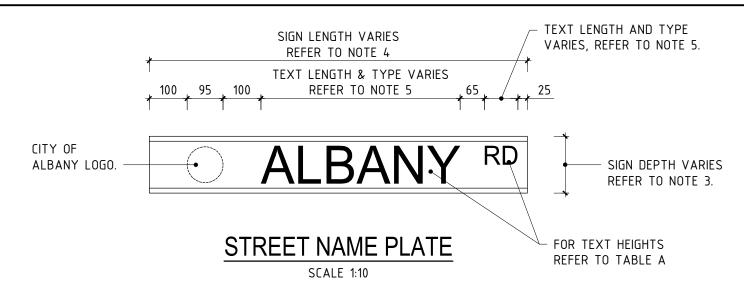
BICYCLE ENTRY RAMP

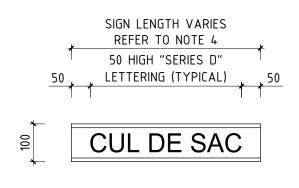
BICYCLE EXIT RAMP

BICYCLE ENTRY & EXIT RAMP DETAILS

SCALE 1:100

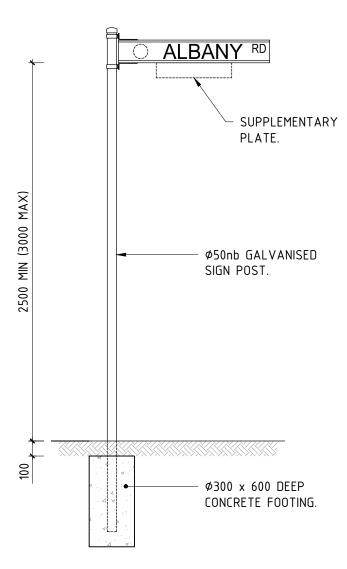
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			Albany	Tel: (08) 9841 9333 Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au	AUTHORISED	THIS DRAWING	IS NOT TO BE	BICYCLE	E ENTRY & EX	XIT RAMP D	DETAILS	SHEET NO	DEV	
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SUPPLEMENTARY PLATE

SCALE 1:10



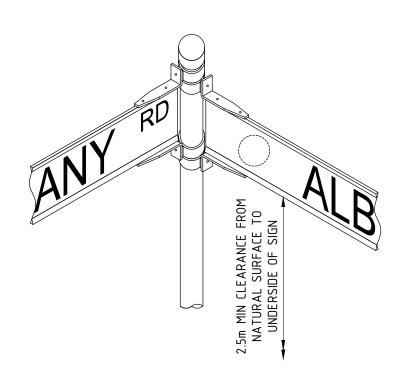
STEET SIGN DETAIL

SCALE: 1:25

GENERAL NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
- ALL SIGN PLATES SHALL BE CONSTRUCTED FROM NON-CORROSIVE ALUMINIUM EXTRUSIONS WITH A THICKNESS OF NO LESS THAN 3mm. SIGNS SHALL BE RECTANGULAR WITH THE LONG AXIS HORIZONTAL. WORDS SHALL BE WRITTEN HORIZONTALLY. ENDS SHALL BE CUT SQUARE.
- 3. MINIMUM DEPTH OF SIGNBOARD TO BE 150mm ON ROADS WHERE SPEEDS ARE LESS THAN 70km/h. WHERE SPEEDS ARE GREATER A MINIMUM DEPTH OF 200mm IS TO BE USED.
- 4. THE MINIMUM LENGTH OF STREET NAME SIGNS SHALL BE 500mm AND THE MAXIMUM LENGTHS SHALL BE, 1200mm FOR SINGLE POST END-MOUNTED, 1800mm FOR CENTRE-MOUNTED AND 2000mm FOR TWO-POST MOUNTED.
- 5. LETTERS FOR THE STREET NAME AND ALL LEGENDS ON THE SUPPLEMENTARY PLATES SHALL BE SERIES D, AS SPECIFIED IN AS 1744, EXCEPT THAT WHERE THIS WOULD OTHERWISE RESULT IN AN OVERLENGTH SIGN, THE SIGN SHALL NOT BE LENGTHENED BUT THE LETTERING MAY BE MADE PROPORTIONALLY NARROWER TO FIT THE AVAILABLE LENGTH. LETTERS SHALL BE NOT BE NARROWER THAN SERIES C.
- SIGN COLOUR CODE SHALL BE BLACK LETTERING ON A WHITE REFLECTIVE BACKGROUND. MIN DEPTH OF REFLECTORIZED SECTION OF THE SIGN SHALL BE AT LEAST 130mm.
- 7. SIGNS TO BE FIXED TO STREET LIGHTS OR POLES WHERE POSSIBLE.

TABLE A									
TRAFFIC SPEED	STREET NAME LETTER HEIGHT	STREET TYPE LETTER HEIGHT							
LESS THAN 70km/h	100	50							
GREATER THAN 70km/h	130	65							

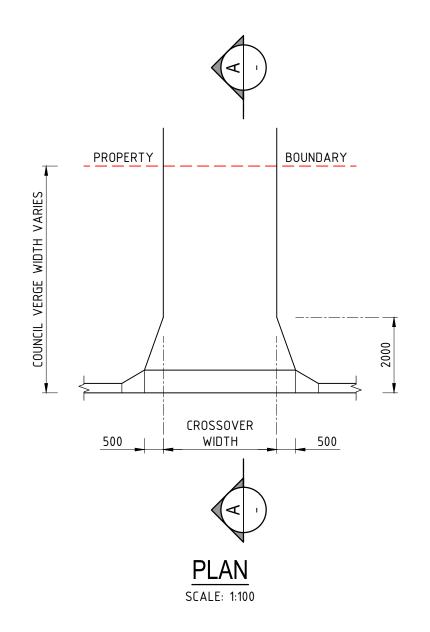


90° DUAL SIGN MOUNT DETAIL

N.T.S.

REV DESCRIPTION	APPROVED	DATE			PROJECT								
0 APPROVED				102 NORTH ROAD, YAKAMIA WA 6330 PO BOX 484 ALBANY WA 6331	CONSTRUCT	ION IS	SUE				SINEERING S RUCTION DR		
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			Albany	Fax: (08) 9841 4099 Email: cityassets@albany.wa.gov.au		THIS DDAY/ING		STREE	T NAME SIGN	S			
			Albally	Website: www.albany.wa.gov.au		THIS DRAWING IS NOT TO USED FOR CONSTRUCTION UNLESS SIGNED AS APPRO		DRAWING No	FILE REF	JOB No	1:25 @ A3	STD-04-01	nev O

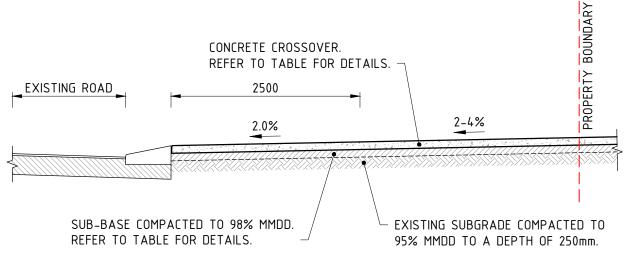
CROSSOVER CONSTRUCTION DETAILS									
CROSSOVER TYPE	CONCRETE THICKNESS	CONCRETE STRENGTH	MESH TYPE	SUB-BASE THICKNESS ON SAND	SUB-BASE THICKNESS ON CLAY				
DOMESTIC	100mm	20MPa	-	75mm	100mm				
COMMERCIAL/INDUSTRIAL	150mm	25MPa	F62	100mm	125mm				
HEAVY INDUSTRIAL	200mm	25MPa	F62	125mm	150mm				



NOTES:

- 1. CROSSOVER TO GRADE UP @ 2.0% FROM BACK OF CONCRETE APRON OR MOUNTABLE KERB FOR A DISTANCE OF 2.5m.
- 2. FOR CROSSOVERS CONSTRUCTED ON NON KERBED ROADS ASSUME KERB IN PLACE WHEN ESTABLISHING LEVELS.
- 3. WHERE THERE IS AN EXISTING PATHWAY IN VERGE REFER TO THE SPECIFICATION FOR DETAILS.
- 4. FOR COMMERCIAL/INDUSTRIAL AND HEAVY INDUSTRIAL CROSSOVERS CONCRETE APRONS ARE TO BE REINFORCED WITH F62 MESH.
- 5. FOR CROSSOVERS THAT DO NOT CONFORM TO THESE STANDARD LEVELS CONTACT CITY OF ALBANY FOR FURTHER DETAILS.

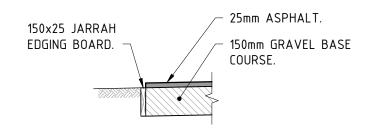
ALLOWABLE CROSSOVER DIMENSIONS							
CROSSOVER CLASS	MINIMUM WIDTH @ BOUNDARY	MAXIMUM WIDTH @ BOUNDARY	MAXIMUM WIDTH @ ROAD				
1 OR 2 DWELLINGS ON A SINGLE LOT	3.0m	6.0m	7.0m				
SINGLE RESIDENTIAL ON HIGHWAY OR MRD	3.0m	6.0m	7.0m				
GROUPED DWELLINGS 3 OR MORE	3.0m	7.5m	7.5m				
COMMERCIAL	5.5m	7.5m	7.5m				
LIGHT INDUSTRIAL	5.5m	7.5m	7.5m				
HEAVY INDUSTRIAL	6.0m	10.0m	10.0m				
SERVICE STATIONS	7.5m	10.0m	10.0m				



SECTION A-A
SCALE: 1:50

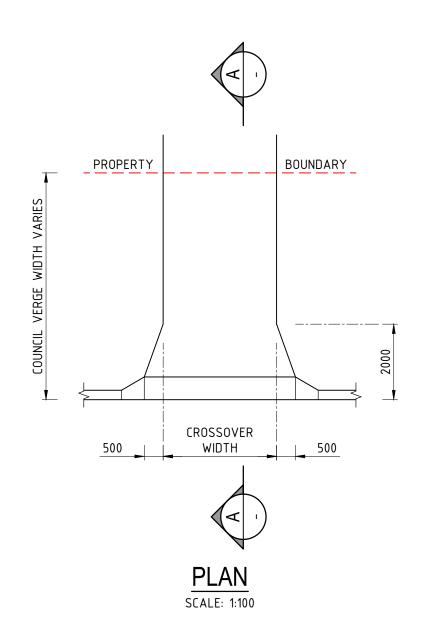
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CROSSOVER CONSTRUCTION DETAILS								
CROSSOVER TYPE	SUB-BASE THICKNESS ON SAND	SUB-BASE THICKNESS ON CLAY						
DOMESTIC	75mm	100mm						
COMMERCIAL/INDUSTRIAL	100mm	125mm						
HEAVY INDUSTRIAL	125mm	150mm						



TIMBER EDGING DETAIL

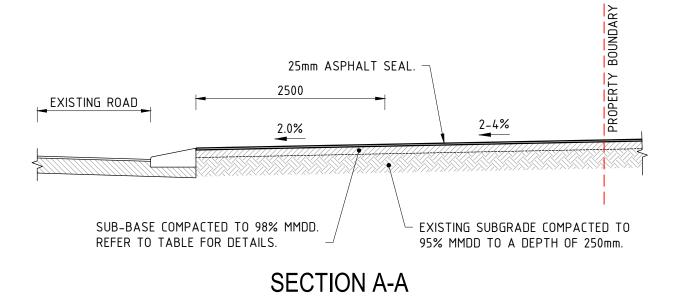
SCALE: 1:20



NOTES:

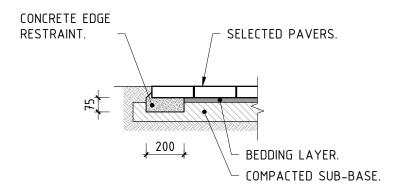
- CROSSOVER TO GRADE UP @ 2.0% FROM BACK OF CONCRETE APRON OR MOUNTABLE KERB FOR A DISTANCE OF 2.5m.
- 2. FOR CROSSOVERS CONSTRUCTED ON NON KERBED ROADS ASSUME KERB IN PLACE WHEN ESTABLISHING LEVELS.
- 3. WHERE THERE IS AN EXISTING PATHWAY IN VERGE REFER TO THE SPECIFICATION FOR DETAILS.
- 4. FOR CROSSOVERS THAT DO NOT CONFORM TO THESE STANDARD LEVELS CONTACT CITY OF ALBANY FOR FURTHER DETAILS.

ALLOWABLE CROSSOVER DIMENSIONS								
CROSSOVER CLASS	MINIMUM WIDTH @ BOUNDARY	MAXIMUM WIDTH @ BOUNDARY	MAXIMUM WIDTH @ ROAD					
1 OR 2 DWELLINGS ON A SINGLE LOT	3.0m	6.0m	7.0m					
SINGLE RESIDENTIAL ON HIGHWAY OR MRD	3.0m	6.0m	7.0m					
GROUPED DWELLINGS 3 OR MORE	3.0m	7.5m	7.5m					
COMMERCIAL	5.5m	7.5m	7.5m					
LIGHT INDUSTRIAL	5.5m	7.5m	7.5m					
HEAVY INDUSTRIAL	6.0m	10.0m	10.0m					
SERVICE STATIONS	7.5m	10.0m	10.0m					



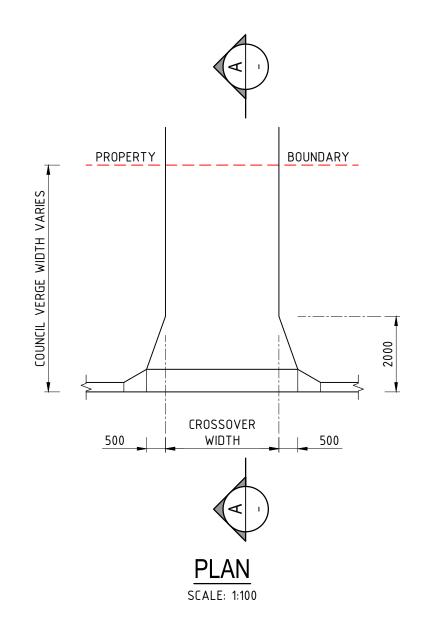
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CROSSOVER CONSTRUCTION DETAILS							
CROSSOVER TYPE	SUB-BASE THICKNESS ON SAND	SUB-BASE THICKNESS ON CLAY					
DOMESTIC	75mm	100mm					
COMMERCIAL/INDUSTRIAL	100mm	125mm					
HEAVY INDUSTRIAL	125mm	150mm					



PAVING EDGE RESTRAINT DETAIL

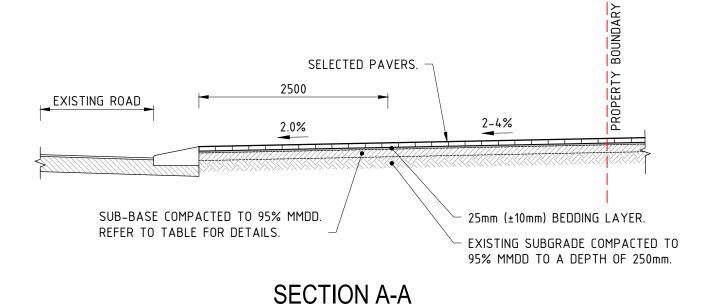
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NOTES:

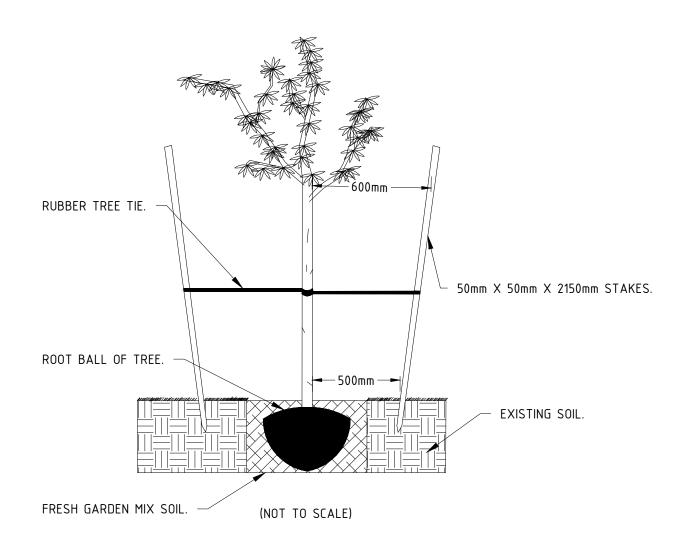
- 1. CROSSOVER TO GRADE UP @ 2.0% FROM BACK OF CONCRETE APRON OR MOUNTABLE KERB FOR A DISTANCE OF 2.5m.
- 2. FOR CROSSOVERS CONSTRUCTED ON NON KERBED ROADS ASSUME KERB IN PLACE WHEN ESTABLISHING LEVELS.
- 3. WHERE THERE IS AN EXISTING PATHWAY IN VERGE REFER TO THE SPECIFICATION FOR DETAILS.
- 4. FOR CROSSOVERS THAT DO NOT CONFORM TO THESE STANDARD LEVELS CONTACT CITY OF ALBANY FOR FURTHER DETAILS.

ALLOWABLE CROSSOVER DIMENSIONS								
CROSSOVER CLASS	MINIMUM WIDTH @ BOUNDARY	MAXIMUM WIDTH @ BOUNDARY	MAXIMUM WIDTH @ ROAD					
1 OR 2 DWELLINGS ON A SINGLE LOT	3.0m	6.0m	7.0m					
SINGLE RESIDENTIAL ON HIGHWAY OR MRD	3.0m	6.0m	7.0m					
GROUPED DWELLINGS 3 OR MORE	3.0m	7.5m	7.5m					
COMMERCIAL	5.5m	7.5m	7.5m					
LIGHT INDUSTRIAL	5.5m	7.5m	7.5m					
HEAVY INDUSTRIAL	6.0m	10.0m	10.0m					
SERVICE STATIONS	7.5m	10.0m	10.0m					



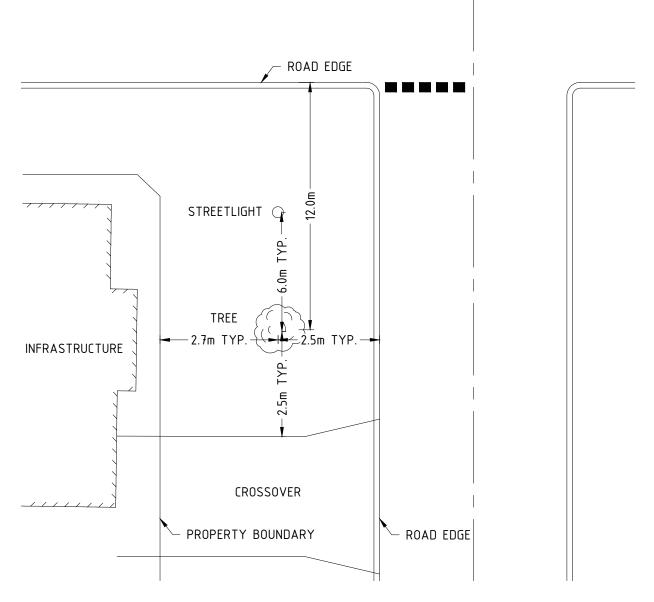
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REV	DESCRIPTION	APPROVED	DATE					PROJECT					
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				Albany	Email: cityassets@albany.wa.gov.au		THIS DRAWING IS NOT TO BE		יטטטטיוט טוו	V L I X - I X V I	LD		,
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TREE PLANTING REQUIREMENTS

- HOLES TO BE DUG 50mm LARGER IN ALL DIRECTIONS THAN THE ROOT BALL OF TREE BEING PLANTED.
- 2. HOLES TO BE BACK FILLED WITH FRESH GARDEN MIX SOIL. SOIL SHALL BE SUPPLIED FREE OF WEEDS AND SEEDS.
- B. FRESH SOIL LEVEL TO BE 30mm LOWER THAN RESIDENT SOIL LEVEL TO ALLOW FOR A RESERVOIR FOR WATERING.
- TREES TO BE UNDER PRUNED FOR SIGHT LINES AND MOWING ACCESS.
- 5. TWO 50mm X 50mm X 2150mm STAKES TO BE PLACED 500mm FROM TRUNK AND ANGLED OUTWARDS TO 600mm FROM TRUNK. POSITIONED TO OFFER MAXIMUM PROTECTION FROM VEHICLES AND PEDESTRIANS.
- 6. RUBBER TREE TIE TO BE TIED $\frac{1}{3}$ OF THE HEIGHT OF TREE UP THE TRUNK. RUBBER TIE WIDTH TO BE GREATER THAN 10mm.
- APPLY A QUARTER CUP OF NATIVE FERTILIZER UNDER TREE AND A QUARTER CUP ON TOP OF ROOT BALL.
 WATER IMMEDIATELY AFTER PLANTING.
- 8. TREES ARE RECOMMENDED TO BE 30L TO 35L IN SIZE AS SMALLER TREES ESTABLISH AND GROW BETTER IN THE LONGER TERM.
- 9. ALL STREET TREES ARE TO BE PLANTED WITH A ROOT BARRIER.
- 10. TREES SHALL BE SUPPORTED BY MAINTENANCE AND WATERING FOR 2 SUMMER PERIODS TO ENSURE FULL ESTABLISHMENT.



TREE PLANTING DISTANCES/LOCATION

N.T.S.

- TREES TO BE PLANTED AS CENTRALLY AS PRACTICABLE TO THE SPACE OFFERED ON THE VERGE, TAKING INTO ACCOUNT THE EFFECT TO DRIVEWAYS, GATES AND THE FOLLOWING REQUIREMENTS.
- 2. 2.7m ALIGNMENT FROM THE PROPERTY BOUNDARY (BUT CAN BE A RANGE OF 2.4m TO 3.0m) IN ACCORDANCE WITH THE UTILITY PROVIDERS' CODE OF PRACTICE FOR WA.
- 3. IDEALLY 2.5m FROM THE KERB FACE. FOR SMALLER VERGES, MINIMUM OF 1.5m FROM KERB FACE.
- 4. MINIMUM OF 2.5m FROM STRUCTURAL ELEMENTS (I.E. WALLS AND FOUNDATIONS).
- 5. MINIMUM OF 12.0m FROM INTERSECTING KERB ALIGNMENTS ON CORNER PROPERTIES.
- 6. IDEALLY 2.5m FROM CROSSOVERS, FOOTPATHS, SOAKWELLS AND DRAINAGE/SERVICE INSPECTION PITS, MINIMUM OF 1.5m FOR SMALLER VERGES.
- 7. MINIMUM OF 6.0m FROM A STREET LIGHT, UNLESS OTHERWISE APPROVED BY THE CITY.
- 8. TREE PLANTING IN ROADS CONTROLLED BY THE MRWA SHALL COMPLY WITH MRWA STANDARDS.

REV DESCRIPTION APPROVED DATE		PROJECT								
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	102 NORTH NOAD, TAIVAINIA WA 0000	CONSTRUCTION	ON ISSUE	OTT OF ALBANT ENGINEERING SERVICES						
	PO BOX 484 ALBANY WA 6331	COMPTROCT	STANDARD CONSTRUCTION DRAWINGS							
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A TICITY OF	Fax: (08) 9841 4099		JLP		PLANTING DETAILS					
Albany	Email: cityassets@albany.wa.gov.au		THIS DRAWING IS NOT TO BE	1 111166 1 6		AILO				
Albany)		USED FOR CONSTRUCTION	DRAWING No	FILE REF	JOB No	SCALE	SHEET No	REV	
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