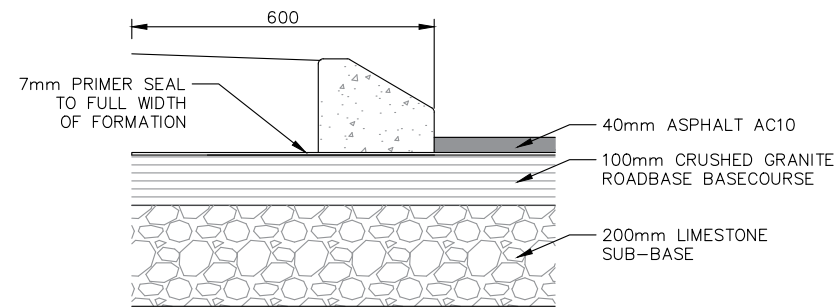
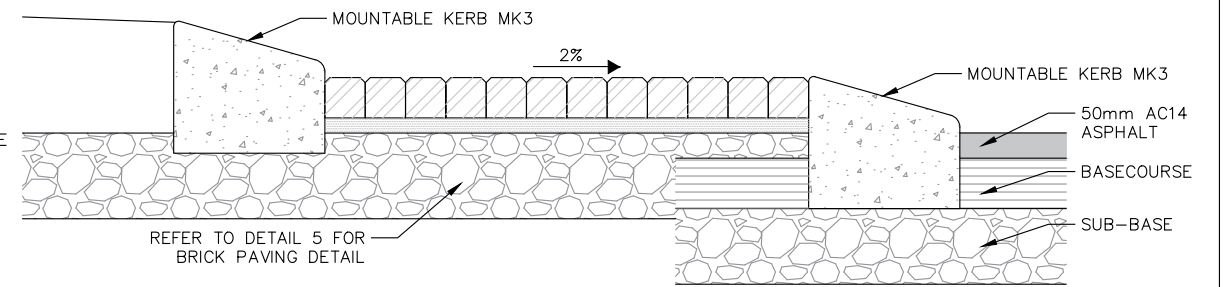


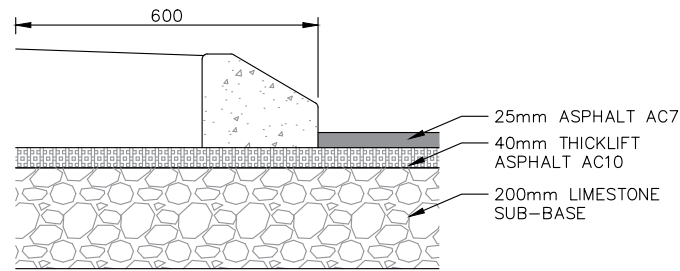
1 Typical Road Cross Section Residential Access Streets



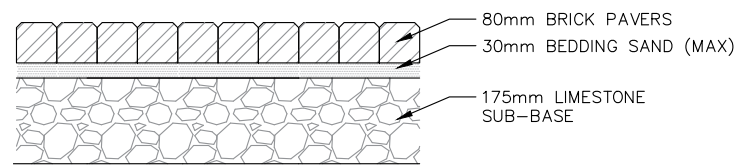
2 Typical Road Cross Section Neighbourhood Connector Roads



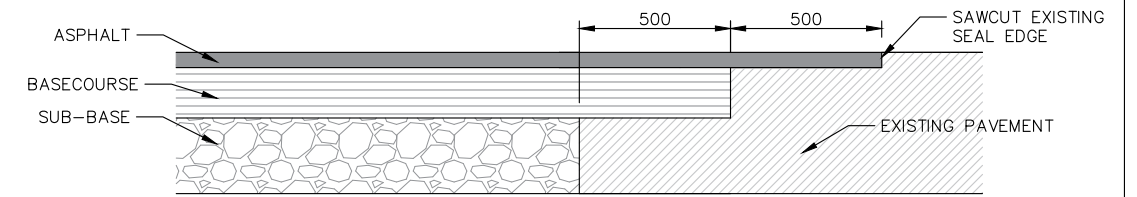
3 Typical Road Cross Section Roundabout



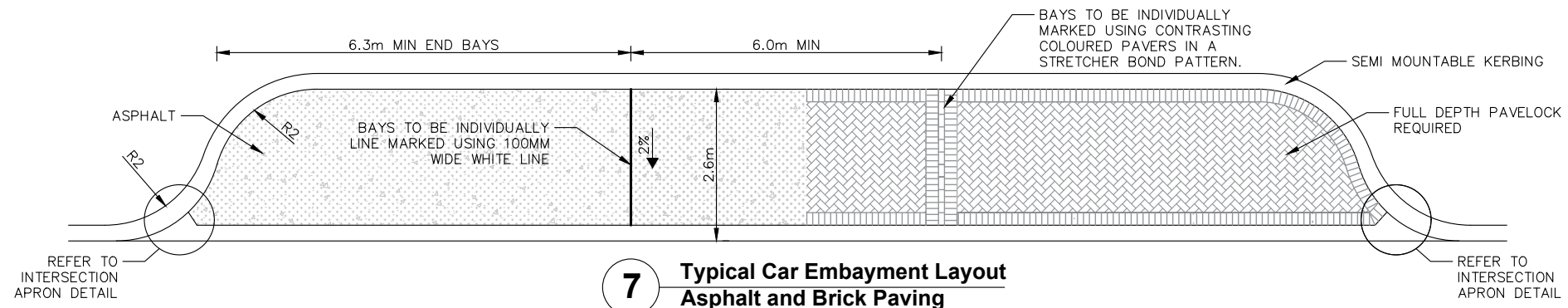
4 Typical Road Cross Section Alternative Residential Access Street



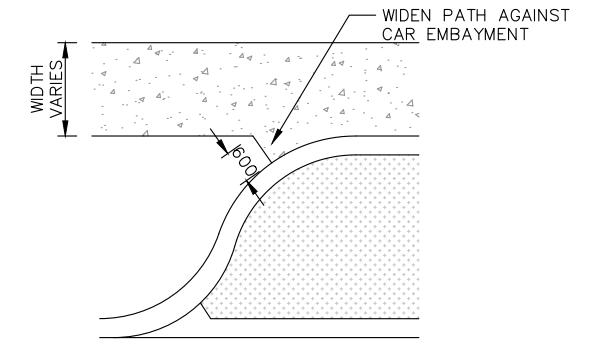
5 Typical Road Cross Section Brick Paving



6 Typical Pavement Sawcut Detail



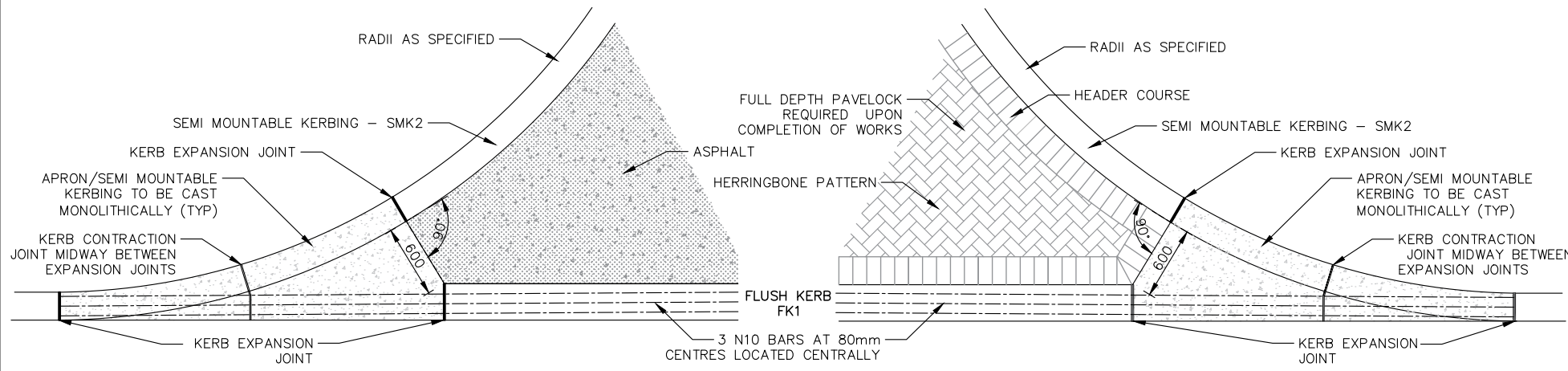
7 Typical Car Embayment Layout Asphalt and Brick Paving



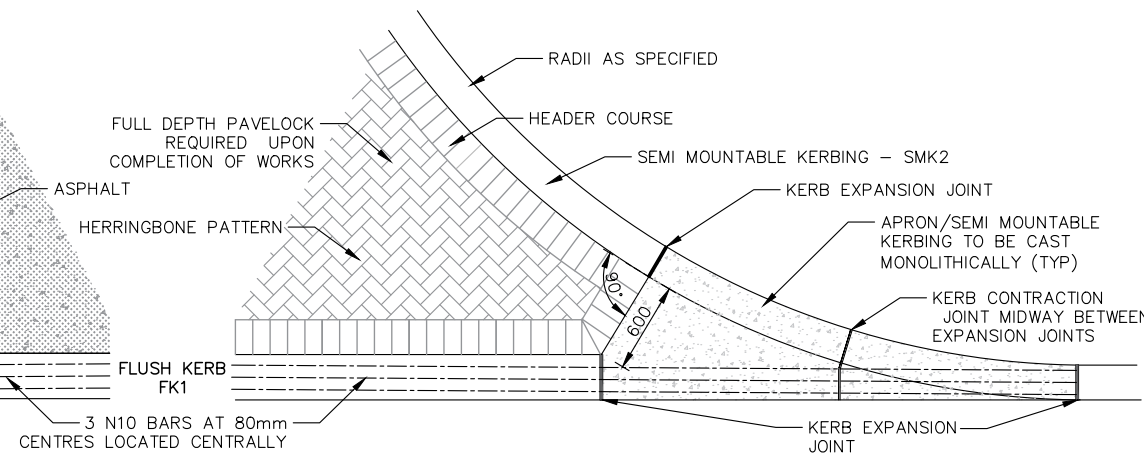
8 Typical Car Embayment Layout Footpath Widening

NOTES:

1. SUB-GRADE SHALL BE FREE FROM DELETERIOUS MATERIAL SUCH AS TREE ROOTS, ROCKS ETC FOR A DEPTH OF 150MM BELOW FINISHED SUBGRADE LEVEL & COMPACTED TO NOT LESS THAN 95% MMDD WHEN TESTED IN ACCORDANCE WITH AS 1289.
2. SUB-BASE SHALL BE COMPACTED TO NOT LESS THAN 95% MMDD WHEN TESTED IN ACCORDANCE WITH AS 1289.
3. BASECOURSE SHALL BE COMPACTED TO NOT LESS THAN 98% MMDD WHEN TESTED IN ACCORDANCE WITH AS 1289.
4. PROPOSED PAVEMENT DESIGN BASED ON SANDY SOIL CONDITIONS (CBR 12%). ROAD PAVEMENT DESIGN IN DIFFERENT SOIL CONDITIONS (SILTS, CLAYS & PEATS) SHALL BE SUBJECT TO A GEOTECHNICAL INVESTIGATION. THE REPORT SHALL UNDERTAKE CBR TESTING ON THE RELEVANT SUB-GRADE IN ACCORDANCE WITH AS1289 & SHALL RECOMMEND A DESIGN CBR & PAVEMENT DESIGN THICKNESS.
5. ALL TRAFFICABLE BRICK PAVING TO HAVE FULL DEPTH "PAVELOCK" OR SIMILAR APPROVED. NO BRICK SEGMENTS ARE TO BE LESS THAN 25% OF FULL BRICK.
6. LONGITUDINAL JOINTS BETWEEN AN EXISTING PAVEMENT & NEW PAVEMENT MUST BE LOCATED ON A TRAFFIC LANE EDGE OR IN THE MIDDLE OF A TRAFFIC LANE.
7. RED ASPHALT AGGREGATE SHALL CONSIST OF 55% LATERITE AND 45% GRANITE CRUSHED TO A NOMINAL 7MM SIZE WITH A 0.9% OXIDE . 50 BLOW MARSHALL MIX WITH CLASS 170 BITUMEN.
8. PAVEMENT TOLERANCES: (DIMENSIONS IN mm)
SUBGRADE +0-30 SUB-BASE ±10 BASECOURSE +10-0

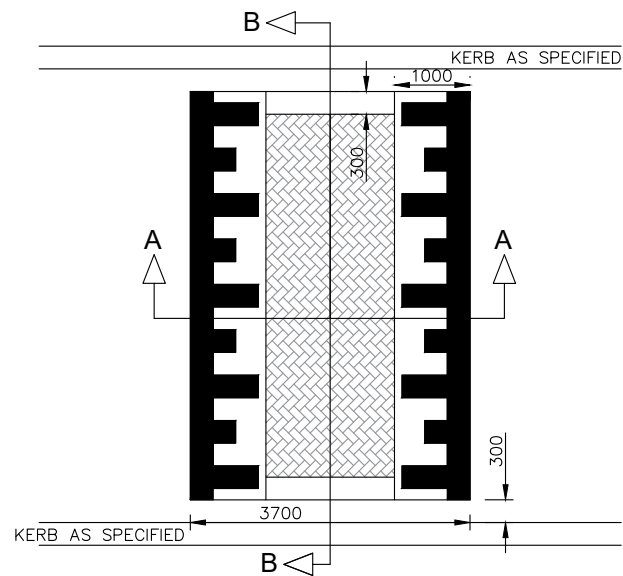


9 Intersection Apron Detail Asphalt

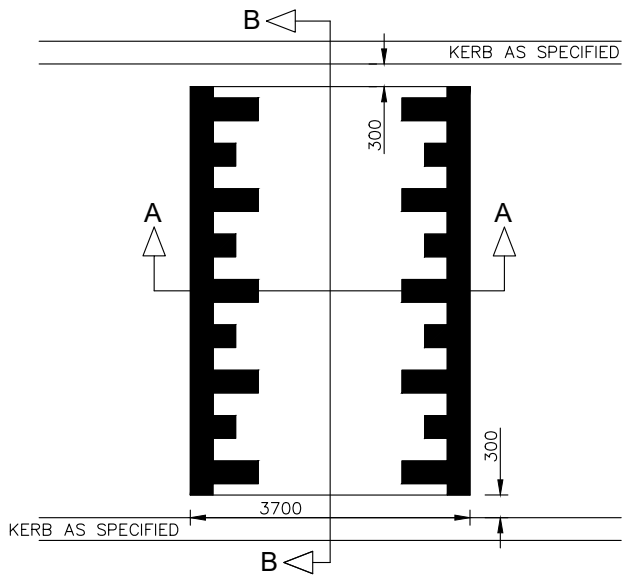


10 Intersection Apron Detail Brick Paving

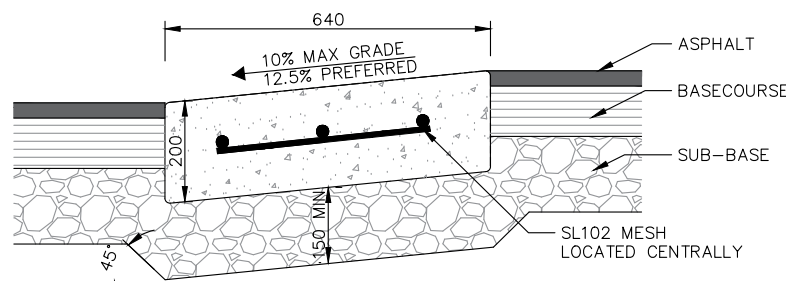
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CHECKED	P JACOBS	
APPROVED	J HENSON	05/2020
(MANAGER LAND & DEVELOPMENT INFRASTRUCTURE)		
FILE NAME	DRAWING NUMBER	REVISION
	003	A



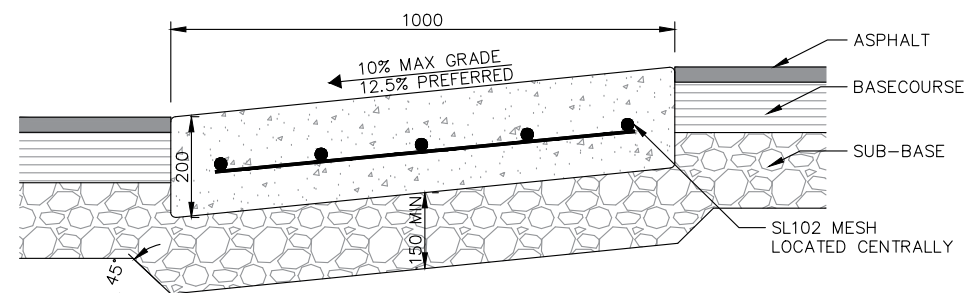
1 Typical Traffic Calming Watts Profile Hump - Brick Paving



2 Typical Traffic Calming Watts Profile Hump - Asphalt

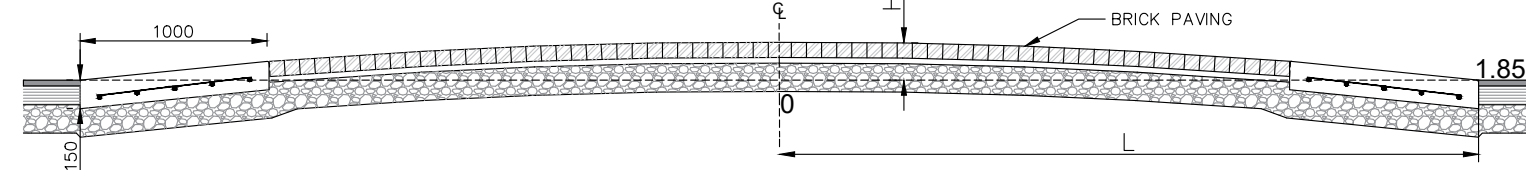


3 Raised Threshold Ramp 640mm Wide



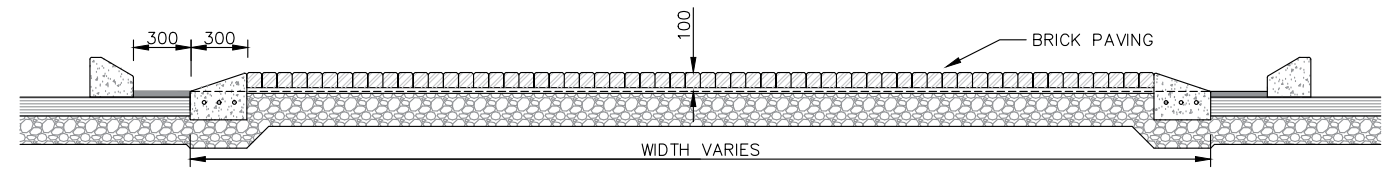
4 Raised Threshold Ramp 1000mm Wide

NOTE: REFER TO TABLE 1 FOR CONSTRUCTION REQUIREMENTS



Section A-A

NOTE: REFER TO MRWA DRAWING 200331-128-5 FOR SIGN AND PAVEMENT MARKING REQUIREMENTS

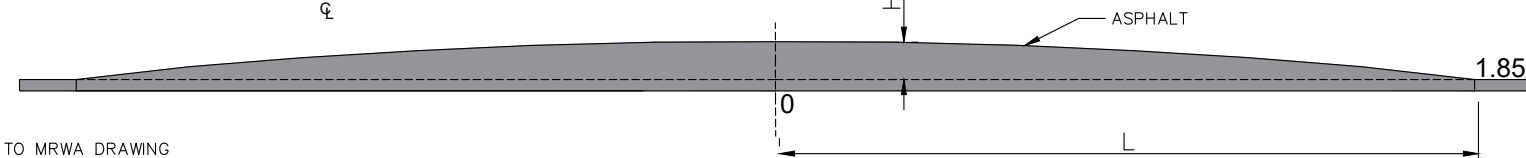


Section B-B

DISTANCE L (m)	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.85
HEIGHT H (mm)	100	100	99	97	95	93	90	86	81	76	71	65	58	51	43	34	25	16	5	0

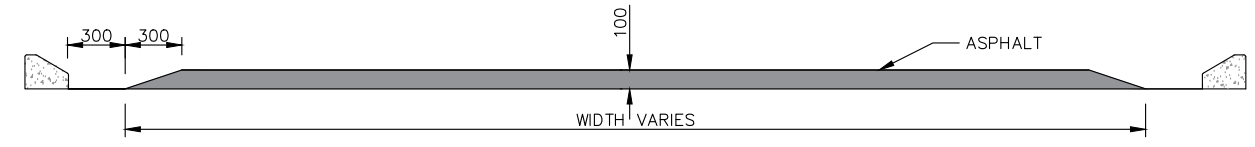
Table 1

NOTE: REFER TO TABLE 1 FOR CONSTRUCTION REQUIREMENTS



Section A-A

NOTE: REFER TO MRWA DRAWING 200331-128-5 FOR SIGN AND PAVEMENT MARKING REQUIREMENTS

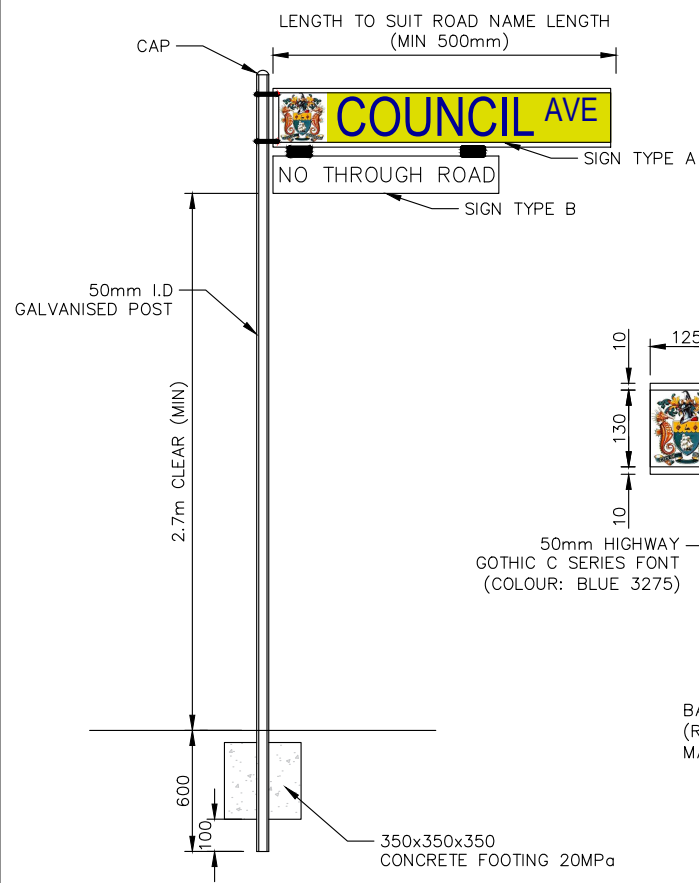


Section B-B

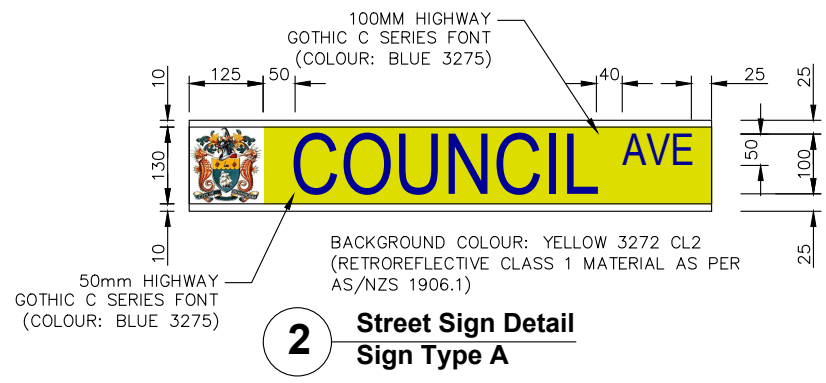
NOTES:

- SUB-GRADE SHALL BE FREE FROM DELETERIOUS MATERIAL SUCH AS TREE ROOTS, ROCKS ETC FOR A DEPTH OF 150MM BELOW FINISHED SUBGRADE LEVEL AND COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AS1289.
- SUB-BASE SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AS1289.
- BASECOURSE SHALL BE COMPACTED TO NOT LESS THAN 98% OF THE MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AS1289.
- PAVEMENT TOLERANCES: (DIMENSIONS IN mm)
SUBGRADE +0-30 SUB-BASE ±10 BASECOURSE +10-0
- ALL BRICK PAVING TO HAVE FULL DEPTH "PAVELOCK" OR SIMILAR APPROVED.
- NO BRICK SEGMENTS ARE TO BE LESS THAN 25% OF FULL BRICK.
- RED ASPHALT SHALL BE PRODUCED IN THE SAME MANNER AS BLACK ASPHALT EXCEPT THAT AGGREGATE SHALL CONSIST OF 55% LATERITE AND 45% GRANITE CRUSHED TO A NOMINAL 7MM SIZE WITH A 0.9% OXIDE . 50 BLOW MARSHALL MIX WITH CLASS 170 BITUMEN.
- WATTS PROFILE CONSTRUCTION TOLERANCES TO BE WITHIN 10% OF TABLE 1.

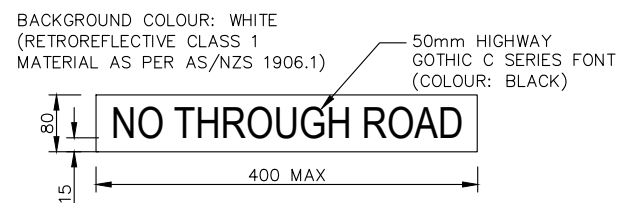
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CHECKED	P JACOBS	
APPROVED	J HENSON	05/2020
(MANAGER LAND & DEVELOPMENT INFRASTRUCTURE)		
FILE NAME	DRAWING NUMBER	REVISION
	004	A



1 Street Sign Detail



2 Street Sign Detail Sign Type A



3 Street Sign Detail Sign Type B

STREET SIGN NOTES:

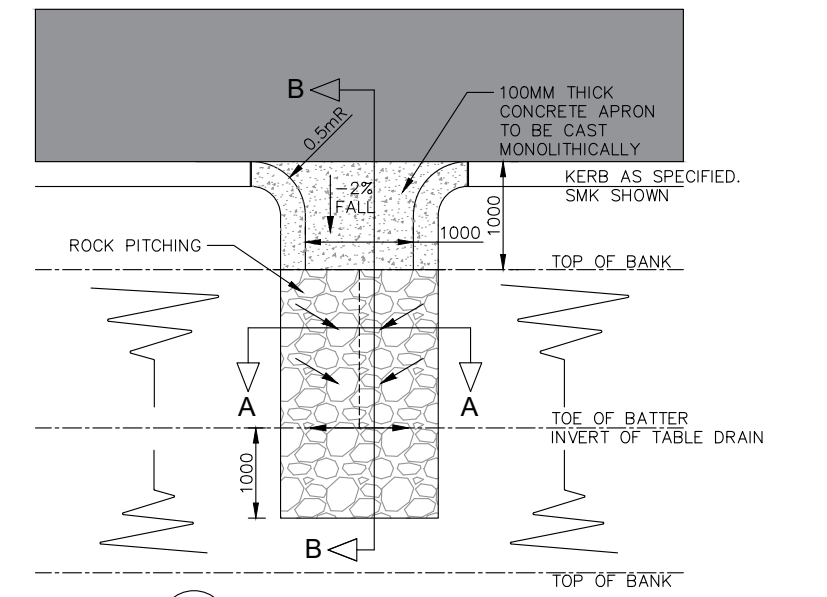
- SIGN TYPE A TO BE FASTENED TO A WESTERN POWER POLE. WHERE NO WESTERN POWER POLE IS SUITABLY LOCATED, THE SIGN IS TO BE FASTENED TO A 50mm GALVANISED POST.
- WHERE SIGN LENGTH EXCEEDS 1.2m, THE SIGN IS TO BE FASTENED WITH TWO 50mm GALVANISED POLES AT EACH END.
- SIGNS NOT TO EXCEED 2.0m

SIGN TYPE A

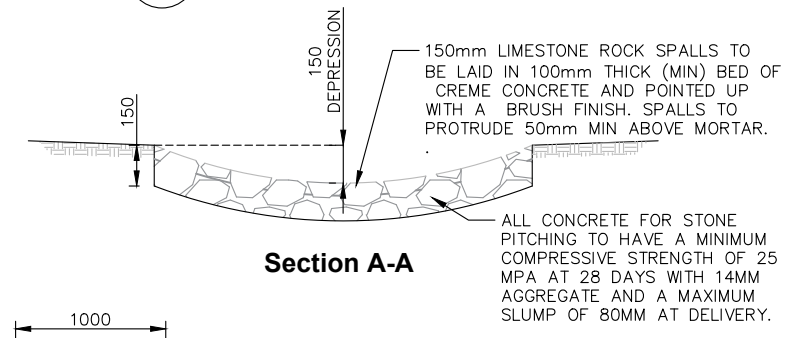
COLOURS: 3275 BLUE ON 3272 YELLOW CL2
 TEXT - MAIN: 100mm HIGHWAY GOTHIC C SERIES
 TEXT - SUB: 50mm HIGHWAY GOTHIC C SERIES
 LOGO: POSITIONED AS SHOWN
 TYPE OF EXTRUSION: DNS SOLID
 BRACKETS USED: BSL AND UR251 BRACKETS, AND BANDIT STRAP (FASTENING TO WESTERN POWER POLE) BSL AND ML/1 BRACKETS (FASTENING TO A 50mm GALVANISED POST)

SIGN TYPE B

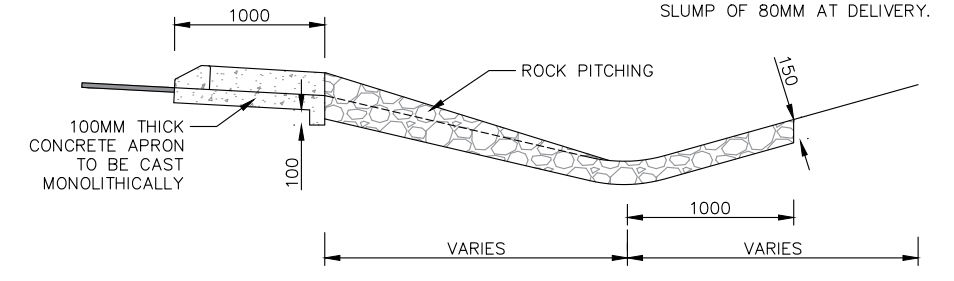
COLOURS: BLACK ON WHITE
 TEXT: 50mm HIGHWAY GOTHIC B SERIES
 BRACKET USED: B.S. JOINING SET



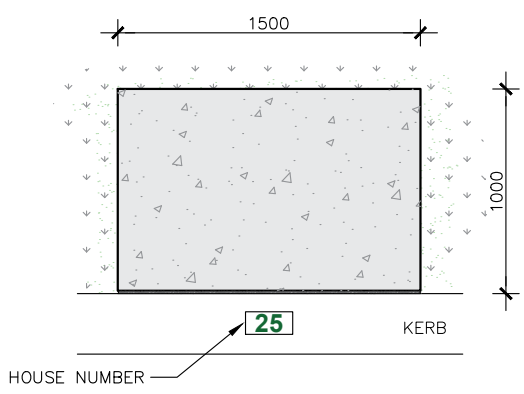
4 Kerb Break Opening



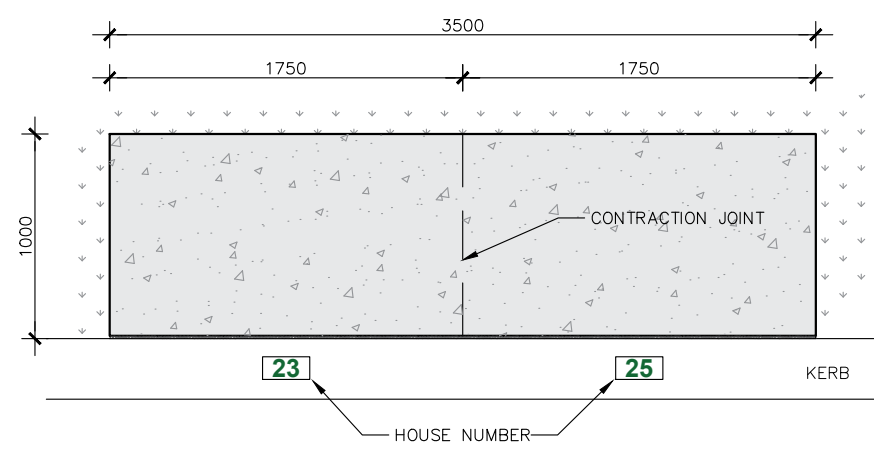
Section A-A



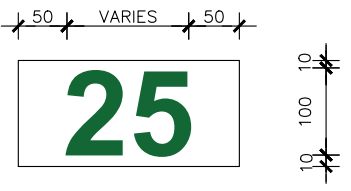
Section B-B



5 Bin Pad Detail - One Property



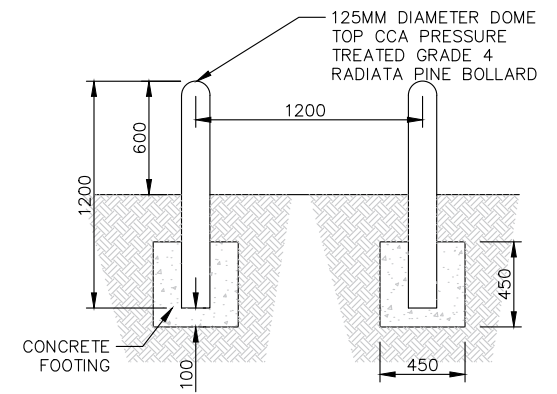
6 Bin Pad Detail - Two Properties



7 House Number Detail

NOTES:

- ALL CONCRETE TO BE MINIMUM 100MM THICK AND 25 MPa AT 28 DAYS, 75MM SLUMP AND A MAXIMUM AGGREGATE SIZE OF 20MM
- ALL CONCRETE SHALL BE BROOM FINISHED TO PROVIDE A NON-SLIP SURFACE IN ACCORDANCE WITH AS 4586, WITH SMOOTH EDGE APPROXIMATELY 75MM WIDE (BULL-NOSE TROWEL) AT EDGES AND JOINTS.
- BIN PAD TO BE INSTALLED AT +2% GRADE
- HOUSE NUMBER TO BE LOCATED ON KERB CENTRAL TO BIN PAD. HOUSE NUMBERS TO BE DARK GREEN ON A WHITE BACKGROUND



8 Timber Bollard Detail

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CHECKED	P JACOBS	
APPROVED	J HENSON	05/2020
(MANAGER LAND & DEVELOPMENT INFRASTRUCTURE)		
FILE NAME	DRAWING NUMBER	REVISION
	005	A