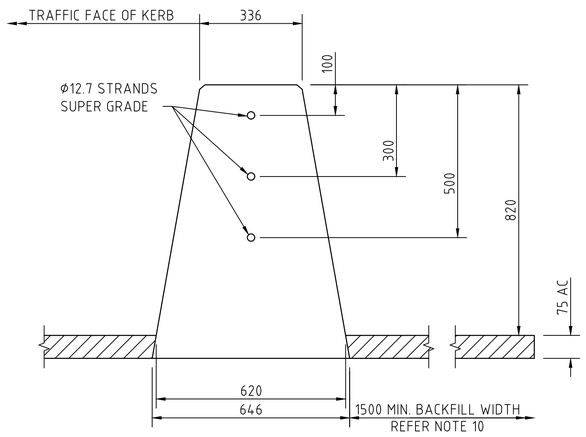
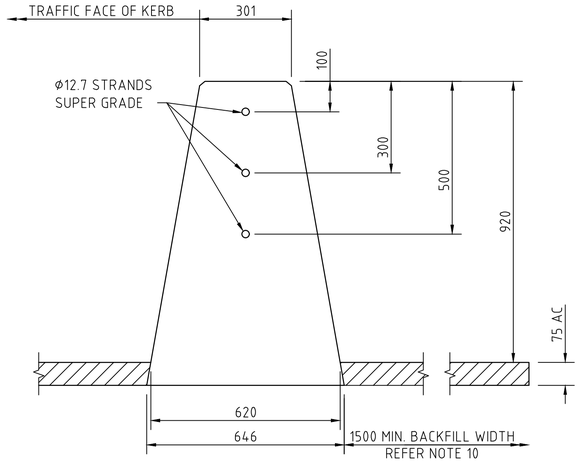
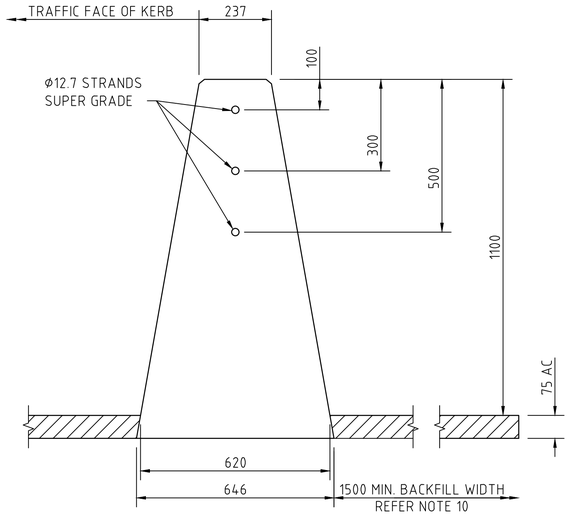


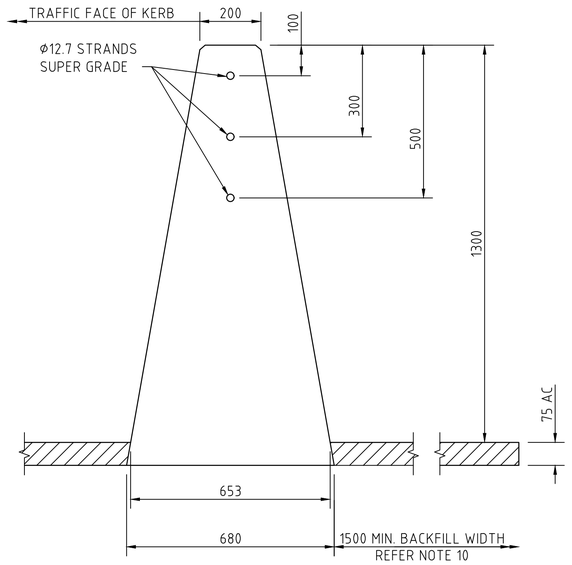
EXTRUDED BARRIER - TL3, 820mm HIGH
SCALE 1:10



EXTRUDED BARRIER - TL4, 920mm HIGH
SCALE 1:10



EXTRUDED BARRIER - TL5, 1100mm HIGH
SCALE 1:10

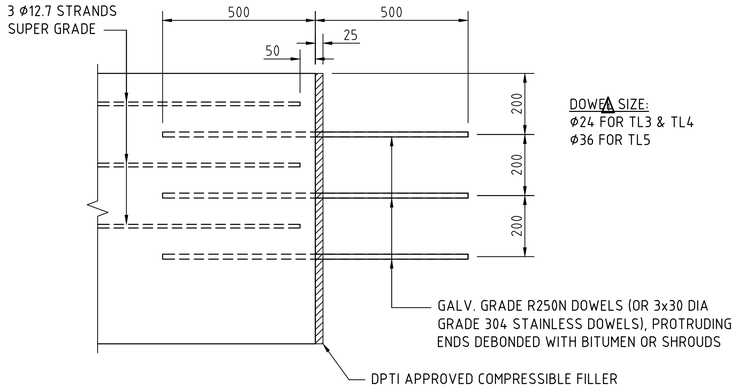


EXTRUDED BARRIER - TL5, 1300mm HIGH
SCALE 1:10

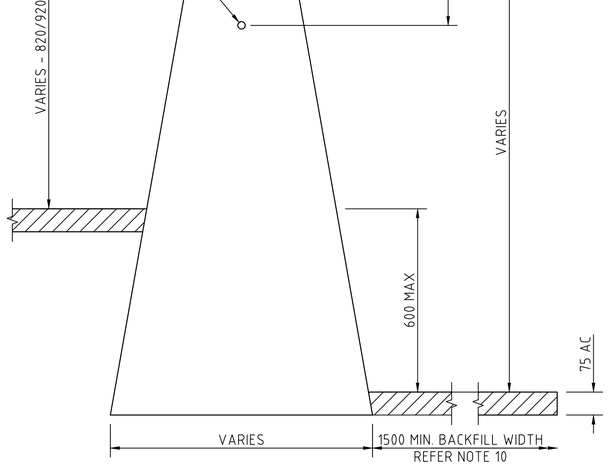
NOTES

1. CONCRETE GRADE FOR EXTRUDED BARRIERS SHALL BE N32 FIBRE CONCRETE IMPREGNATED WITH 50mm VIRGIN POLYPROYLENE FIBRILLATED FIBRES (SIKA CONFIBRE 51F, OR SIMILAR APPROVED) AT THE RATE OF 0.9kg/m^3. STEEL FIBRES SHALL NOT BE PERMITTED AS AN ALTERNATIVE.
2. LONGITUDINAL REINFORCEMENT COMPRISING 3-7 WIRE ORDINARY-12.7-1870 RELAX 2 STRANDS TO AS4672.1, SHALL EXTEND FOR THE ENTIRE LENGTH OF THE BARRIER, WITH 50mm COVER AT OPENINGS, EXPANSION JOINTS AND AT ENDS. GALVANISED STRANDS MAY BE USED. MINIMUM LAP LENGTH TO BE 2000mm.
3. CRACK CONTROL JOINTS IN EXTRUDED BARRIERS ARE TO BE FORMED BY NEATLY SAW CUTTING 50mm DEEP INTO TOP AND BOTH SIDE FACES OF THE BARRIER. TIME OF SAW CUTTING TO BE DETERMINED TO AVOID SHRINKAGE CRACKING BUT MUST BE WITHIN 12 HOURS OF EXTRUSION. JOINTS ARE TO BE AT MAXIMUM OF 4.0m CENTRES.
4. EXPANSION JOINTS ON EXTRUDED BARRIERS SHALL BE PROVIDED AT THE END OF EACH DAYS WORK. BARRIERS SHALL HAVE EXPANSION JOINTS AT 200m MAXIMUM INTERVALS. EXPANSION JOINTS SHALL ALSO BE PROVIDED BETWEEN THE EXTRUDED CONCRETE BARRIER AND THE BARRIER TERMINAL.
5. CHAMFERS FOR EXTRUDED BARRIERS SHALL BE 15x15mm OR 25mm RADIUS.
6. BARRIER MOUNTED DELINEATORS SHALL BE DPTI APPROVED.
7. BARRIER CENTERLINE TO BE VERTICAL REGARDLESS OF CROSSFALL OR SUPERELEVATION.
8. PROVISION FOR DRAINAGE ACROSS BARRIER (IF REQUIRED) SHALL BE DPTI APPROVED.
9. EXTRUDED BARRIERS SHALL NOT BE USED ON BRIDGE DECKS
10. BARRIER EMBEDMENT TO BE 75mm ASPHALT (PRIMED AND PREPARED TO DPTI SPECIFICATION R21) OR DPTI APPROVED EQUIVALENT AS FOLLOWS:
    - 10.1. 150mm DEEP EMBEDMENT IN CEMENT STABILIZED - 1MPa CONTROLLED LOW STRENGTH MATERIAL (CLSM) ON COMPACTED VERGE MATERIAL (96% MOD. COMPACTION, 20 OR 40mm QUARRY WASTE) WITH A MINIMUM WIDTH OF 1.5M FROM THE BACK OF THE BARRIER TO THE BATTER HINGE POINT.
    - 10.2 225mm DEEP EMBEDMENT IN COMPACTED VERGE MATERIAL (96% MOD. COMPACTION, 20 OR 40mm QUARRY WASTE) WITH SPRAY SEAL SURFACE TREATMENT AND A MINIMUM WIDTH OF 1.5M FROM THE BACK OF THE BARRIER TO THE BATTER HINGE POINT.
    - 10.3 75mm MINIMUM THICKNESS UNREINFORCED CONCRETE SLAB WITH A MINIMUM WIDTH OF THE 1.5M FROM THE BACK OF THE BARRIER.

    NOTE: THESE EQUIVALENT BACKFILL OPTIONS/DEPTHS CAN ONLY BE USED WHERE THE BACKFILL IS NOT TRAFFICKED.
11. SLIP FORMED TOLERANCES (CONCRETE FINISHED SURFACES):
    - VERTICAL -0mm, +20mm
    - HORIZONTAL ±15mm
    - SURFACE DISTORTION ALONG 3000mm STRAIGHT EDGE, (10mm MAX) AFTER ALLOWING FOR CURVES
    - ALL OTHER SLIP FORMED TOLERANCES AS PER TABLE 5.7.5, AS3845.1 (2015).
12. TEST LEVEL
    - TEST LEVELS (TL) NOTED ARE IN ACCORDANCE WITH THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH)



EXPANSION JOINT
SCALE 1:NTS



SPLIT CARRIAGEWAY
SCALE 1:10

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
1	DETAIL ADDED, NOTES UPDATED, TITLEBLOCK UPDATED	JACOBS			30/10/20
2	BARRIER HEIGHT AMENDED & NEW BARRIER HEIGHT ADDED	HJ	HJ	P. MOLLOY	23/04/20

100 MILLIMETRES ON ORIGINAL A1 DRAWING | ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE | UNCONTROLLED COPY WHEN PRINTED

DESIGNED
QUALIFICATION
DATE: DD/MM/YYYY
REVIEWER
QUALIFICATION
DATE: DD/MM/YYYY
INDEPENDENT DESIGN CERTIFIER (IF REQUIRED)
QUALIFICATION
DATE: DD/MM/YYYY

Government of South Australia
Department for Infrastructure and Transport

STANDARD DRAWING

TL3, TL4 & TL5 SINGLE SLOPE EXTRUDED BARRIER

DESIGNED:	DRAFTED:	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
T.P.	S.A.	P. MOLLOY	12675652	S - 4064	4	2
CHECKED: T.P.	REVIEWED: P.M.	DATE: 06/08/19		LATITUDE:	LONGITUDE:	

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