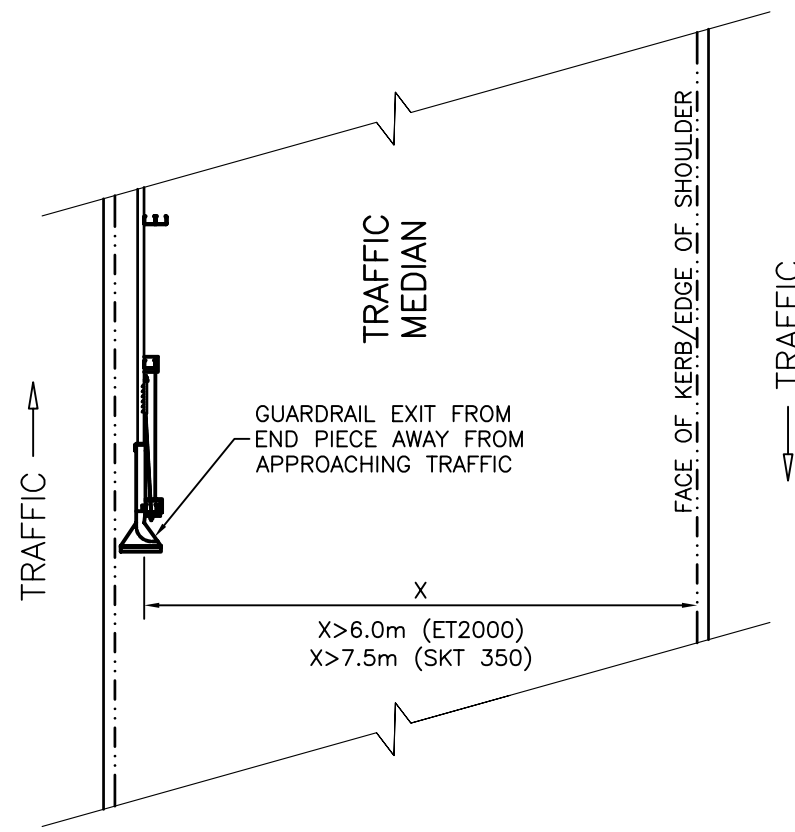


NOTES:

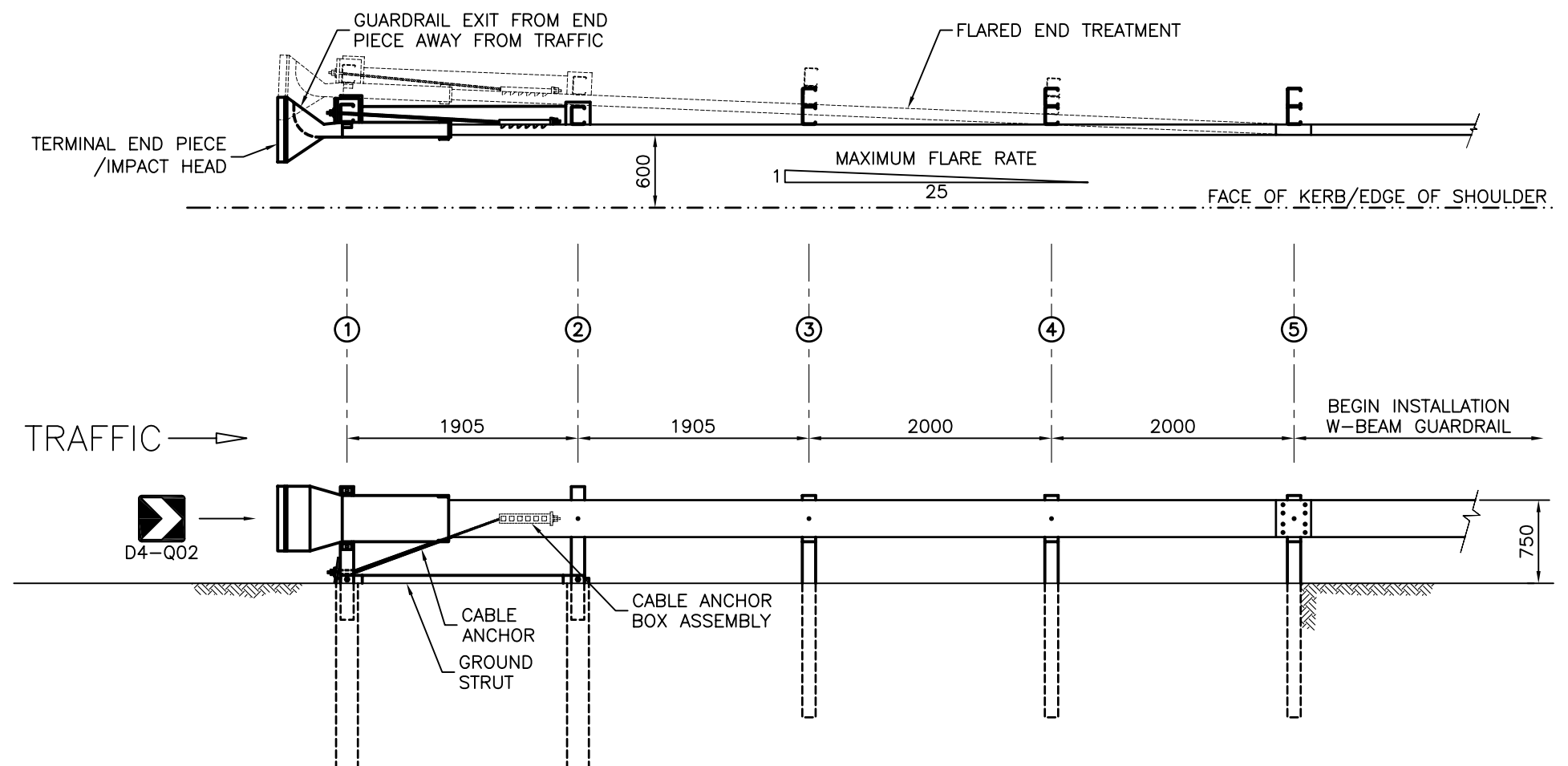
- THE END TERMINAL SHALL BE EITHER:
 - ET2000 GUARDRAIL END TREATMENT MANUFACTURED BY TRINITY INDUSTRIES INC. (USA), SOLD AND DISTRIBUTED BY INGAL CIVIL PRODUCTS (07 3271 3369, www.ingal.com).
 - SKT (SEQUENTIAL KINKING TERMINAL) 350 GUARDRAIL END TREATMENT MANUFACTURED BY ROAD SYSTEMS INC. (USA), SOLD AND DISTRIBUTED BY AUSTRALIAN CONSTRUCTION PRODUCTS (ACP) PTY LTD (02 9772 4172, www.acprod.com.au)
- NONFLARED TERMINAL SHALL INCLUDE ALL POST, RAIL AND HARDWARE ITEMS REQUIRED FOR A COMPLETE UNIT. THE END TREATMENT SHALL BE INSTALLED TO MANUFACTURER'S AND/OR DISTRIBUTOR'S REQUIREMENTS.
- DESIGN TO BE IN ACCORDANCE WITH DESIGN MANUALS AS PROVIDED BY MANUFACTURER/DISTRIBUTOR.
- FOR URBAN SITUATIONS, SYSTEM TO BE RATED TO U.S. FEDERAL HIGHWAY ADMINISTRATION (FHWA) NCHRP 350 TEST LEVEL 2 (TL2 - CERTIFIED UP TO 70kph).
- POST SHALL BE STEEL BREAKAWAY POSTS, WITH 1830mm FOUNDATION TUBES FOR POSTS 1 AND 2 FOR THE SKT 350.
- BOTH SYSTEMS REFERENCED ARE TO BE INSTALLED ON A STRAIGHT FLARE (AS INDICATED IN DESIGN REQUIREMENTS) OR PARALLEL TO TRAVEL WAY.
- SYSTEMS SHALL NOT BE USED IN MEDIAN SITUATIONS WHERE THERE IS <7.5m (SKT 350) OR <6.0m (ET2000) FROM THE OUTLET SIDE OF THE HEAD AND THE ADJACENT EDGE OF THE TRAFFIC LANE.
- DELINEATOR ON IMPACT HEAD TO HAVE CLASS 1 RETROREFLECTIVE BACKGROUND WITH BLACK NONREFLECTIVE PATTERN. DELINEATOR TO MATCH QUEENSLAND MANUAL OF TRAFFIC CONTROL DEVICES (MUTCD) SIGN D4-Q02.
- DIMENSIONS IN MILLIMETRES (U.N.O.).

NONFLARED END TREATMENTS – NCHRP 350 TL2 COMPLIANT

	LENGTH (m)	LENGTH OF NEED (m)	ALLOWABLE FLARE (mm)	TYPICAL POST DETAILS (REFER MANUFACTURER FOR DETAILS)
SKT 350	7.81	4.0	CAN BE INSTALLED PARALLEL OR ON 50:1 OR 25:1 FLARES OVER FULL LENGTH (155-310mm)	No. 1: STEEL BREAKAWAY POST 1080mm LONG WITH 1830mm SOLID FOUNDATION TUBE WITH MODIFIED GROUND LINE STRUT TO POST 2. No. 2: STEEL BREAKAWAY POST 1080mm LONG WITH 1830 mm SOLID FOUNDATION TUBE WITH MODIFIED GROUND LINE STRUT AND 200x150x360 ROUTERED TIMBER BLOCK No 3-5: STEEL POSTS 1830mm LONG.
ET2000	7.62	3.81	CAN BE INSTALLED PARALLEL OR ON 25:1 OVER FULL LENGTH	No. 1: STEEL BREAKAWAY POST No. 2-4: STEEL YIELDING POSTS (SYTP)



DETAIL 'A'
MEDIAN CLEARANCE WIDTHS
(REFER NOTE 7)



NONFLARED TERMINAL
(SKT 350 EXAMPLE SHOWN)

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
C	SKT Details Mod (to TL-2), Note 1 Modified, Title Block Mod.	DL 02/09	IC 09/09	PC 9/09
B	Note 1 Modified	DL 07/07	BH 08/07	BH 08/07
A	ORIGINAL ISSUE	Feb '05	Nov '05	Mar '06

DESIGN AUTHORISED FOR ISSUE PAUL COTTON SIGNATURE ON ORIGINAL DATED 21/03/06				DESIGN	BCC (CA - DJL)	DATE	Feb '05
MANAGER CITY ASSETS, R.P.E.Q: 2546				DRAWN	CA (DJL)	DATE	Feb '05
DESIGN APPROVED B. HANSEN SIGNATURE ON ORIGINAL DATED 13/03/06				CHECKED	CA (Gmc)	DATE	Nov '05
PRINCIPAL ENGINEER STRATEGIC ASSET MANAGEMENT				DRAWING FILENAME	UMS 134.dwg		
				ASSOCIATED PLANS	UMS 132, UMS 133		



BRISBANE CITY COUNCIL STANDARD DRAWING

GUARDRAIL END TERMINAL GATING, NONFLARED

SCALE	NOT TO SCALE
DWG No.	UMS 134
ORIGINAL SIZE	A3
REVISION	C