

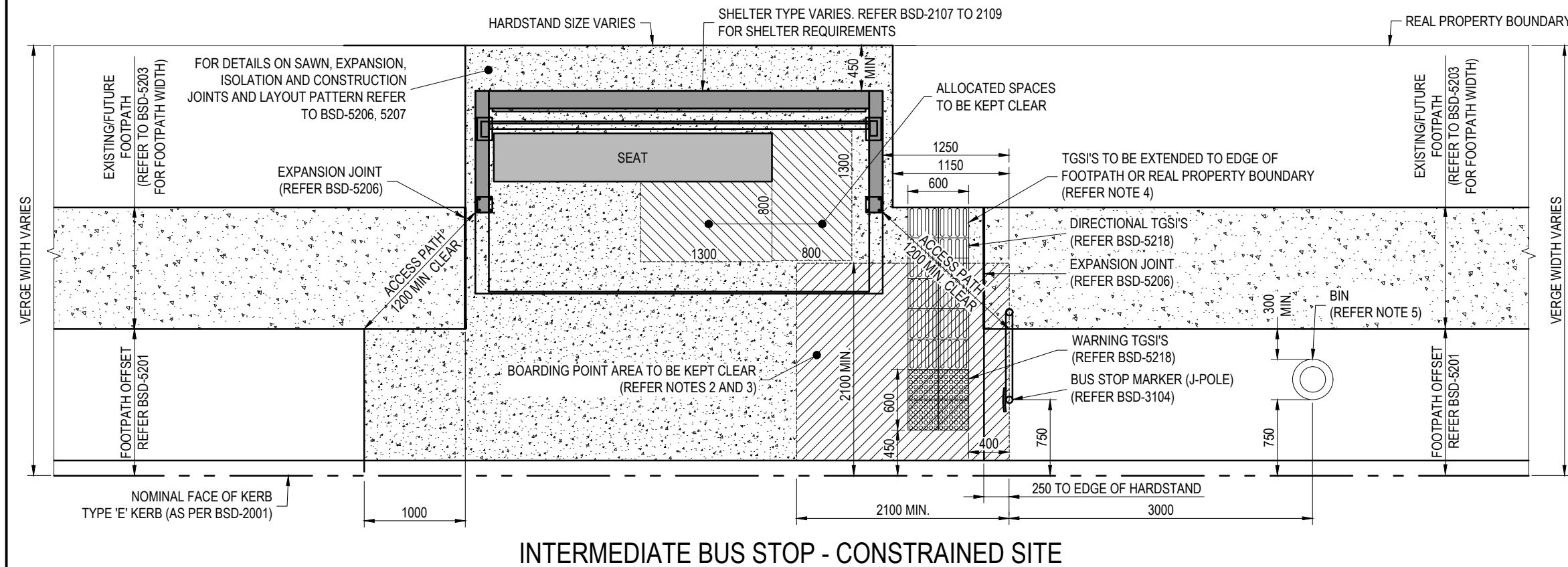
INTERMEDIATE BUS STOP - PREFERRED

NOTES:

- HARDSTANDS TO BE 125mm THICK SURFACE BROOM FINISHED (FOR SLIP RESISTANCE) GRADE N32 CONCRETE. SL72 MESH PLACED CENTRALLY.
- BOARDING POINT AREA TO HAVE CROSSFALL OF 1 IN 40 MAX. WHERE BOARDING POINT HAS A CROSSFALL OF GREATER THAN 1 IN 40, REFER INFRASTRUCTURE DESIGN PLANNING SCHEME POLICY FOR ALTERNATIVE OPTIONS.
- LONGITUDINAL GRADE TO MATCH EXISTING ROAD.
- WHOLE TACTILE GROUND SURFACE INDICATOR (TGSi) TO BE PLACED AT END. TGSi'S TO BE CUT TO ENSURE NO TGSi IS LESS THAN 150mm.
- BIN TO BE APPROVED BY WASTE & RESOURCE RECOVERY SERVICES.
- STORM WATER SOLUTION TO BE ASSESSED ON A SITE-BY-SITE BASIS.
- REFER INFRASTRUCTURE DESIGN PLANNING SCHEME POLICY FOR LAYOUT AND ON-ROAD REQUIREMENTS.
- DIMENSIONS IN MILLIMETRES (U.N.O.).

LIGHTING NOTES:

- ILLUMINATION WITHIN THE BUS SHELTER TO COMPLY WITH AS1158.3.1 - LIGHTING FOR ROADS AND PUBLIC SPACES - PART 3.1: PEDESTRIAN AREA (CATEGORY P) LIGHTING - PERFORMANCE AND DESIGN REQUIREMENTS SUB CATEGORY P6.
- LUMINAIRE/LIGHT IS TO BE POSITIONED AT THE FRONT OF THE SHELTER FROM THE ROOF, LIGHTING IS TO NOT ADVERSELY IMPACT ON THE ADJACENT TRAFFIC.
- LUMINAIRE IS TO BE PRE-WIRED INTO THE SHELTER.
- SWITCHBOARD FOR THE SHELTER IS TO BE LOCATED IN THE REAR POST. PE CELL IS TO BE LOCATED ON THE SAME POST IN A POSITION THAT WILL NOT BE IMPACTED BY LIGHTING IN THE PROXIMITY.
- LIGHT SOURCE IS TO BE LED WITH A CORRELATED COLOUR TEMPERATURE OF 4000K.
- ANY LED LUMINAIRES USED FOR BRISBANE CITY COUNCIL SHOULD COMPLY WITH THE EFFICACY REQUIREMENTS OF THE DRAFT AUSTRALIAN GOVERNMENT MEPS (MINIMUM ENERGY PERFORMANCE STANDARDS) FOR LED LIGHTING AS SHOWN IN TABLE 1.



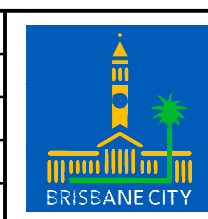
INTERMEDIATE BUS STOP - CONSTRAINED SITE

TABLE 1: LED LUMINAIRES EFFICACY REQUIREMENTS

EFFICACY	LED LAMPS		LED LUMINAIRES (SMALL)	LED LUMINAIRES (LARGE) + PLANAR, BATTENS & TROFFERS
	DIRECTIONAL & NON-DIRECTIONAL LAMPS	LINEAR LED (TUBE)	LUMINOUS FLUX ≥ 100 lm & < 2,500 lm	LUMINOUS FLUX ≥ 2,500 lm & < 5,000 lm
≥65 lm/W	≥100 lm/W	≥65 lm/W	≥90 lm/W	
≥85 lm/W (2020)	≥110 lm/W (2020)	≥85 lm/W (2020)	≥110 lm/W (2020)	
≥100 lm/W (2023)	≥120 lm/W (2023)	≥110 lm/W (2023)	≥120 lm/W (2023)	

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
C	Bus Stop Shelter Lighting Requirements Added	JUL '18	JUL '18	NOV '18
B	Drawing Revised	JAN '15	JAN '15	JAN '15
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

DRAWING AUTHORISED FOR PUBLICATION P. COTTON SIGNATURE ON ORIGINAL DATED 21/03/06 R.P.E.Q. 2546				DESIGN	DBS [City Design]	DATE	May '04
MANAGER CITY ASSETS				DRAWN	MAB [City Design]	DATE	May '04
DESIGN APPROVED B. HANSON SIGNATURE ON ORIGINAL DATED 13/03/06				CHECKED	DJL [City Assets]	DATE	Nov '05
PRINCIPAL ENGINEER STRATEGIC INFRASTRUCTURE MANAGEMENT				DRAWING FILENAME	BSD-2104 (C) Intermediate bus stop - Sheet 1 of 2.dwg		
				ASSOCIATED PLANS	SUPERCEDES UMS-272		



BRISBANE CITY COUNCIL STANDARD DRAWING

INTERMEDIATE BUS STOP
SHEET 1 OF 2

SCALE: NOT TO SCALE

DWG No. BSD-2104

ORIGINAL SIZE: A3 REVISION: C