




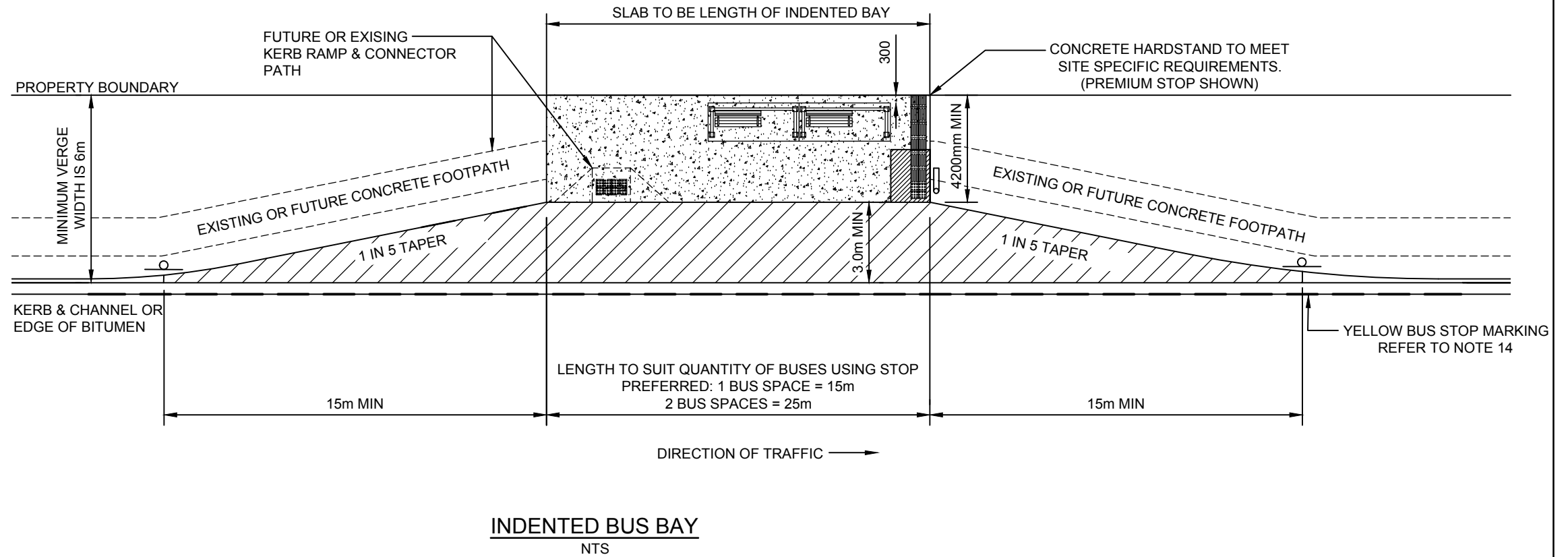
LEGEND

-  BUS STOP SIGN
J - POLE STYLE
-  TACTILE GROUND
SURFACE INDICATORS
-  RIVERSIDE SEAT

INDENTED BAY LENGTH

BUSES PASSING IN BUSIEST HOUR	NO. OF BUS SPACES
15	1
30	1-2
45	2
60	2-3
75	3
90	3-4
105	3-4
120	3-5
150	4-5
180	5-6

NOTE: BASED ON 20-30s DWELL TIME
12m RIGID BUS
18m ARTICULATED



INDENTED BUS BAY
NTS

GENERAL LAYOUT

- ALL BUS STOPS TO BE DISABILITY STANDARDS ACCESSIBLE PUBLIC TRANSPORT (DSAPT) COMPLIANT.
- EACH SITE IS UNIQUE WITH DIFFERENT REQUIREMENTS TO BE TAKEN INTO ACCOUNT. REFER CHAPTER 5 - BUS STOP INFRASTRUCTURE, PUBLIC TRANSPORT INFRASTRUCTURE MANUAL, DEPARTMENT OF TRANSPORT AND MAIN ROADS.
- HARDSTAND DESIGN ALLOWS FOR FUTURE RETRO-FIT OF SHELTERS (3580mm X 1580mm) AND OTHER FURNITURE.
- CURRENT AND FUTURE CIRCULATION OF WHEELCHAIRS SHOULD BE CONSIDERED AT EACH BUS STOP BASED ON SITE CONDITIONS. SITE SPECIFIC KERB ACCESS RAMP AND CONNECTOR PATH TO BE DESIGNED AS REQUIRED. SEE TYPE A KERB RAMP ON MRC STD DRAWING A2-00576 AND CONCRETE FOOTPATH ON MRC STD DRAWING A2-00500 FOR DETAILS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

HARDSTAND AREA

- HARDSTAND AREA SHALL BE FULL VERGE WIDTH (KERB TO PROPERTY BOUNDARY), MINIMUM 215mm THICK BROOM FINISHED (FOR SLIP RESISTANCE) GRADE N32 CONCRETE SL72 REINFORCING MESH PLACED CENTRALLY OR AN EQUIVALENT FIBRE REINFORCED CONCRETE SLAB. BOARDING POINT MUST BE AT LEAST 150mm HIGHER THAN THE ROAD SURFACE. FOR SHELTER FOOTING REFER TO STD DWG A3-00860.
- THE MANDATORY MINIMUM BOARDING POINT IS SHOWN HATCHED ON THIS DRAWING. THIS AREA (1540mm x 2070mm) IS TO REMAIN CLEAR OF ALL FURNITURE EXCEPT TGSIS.
- THE CROSSFALL GRADIENT AT BOARDING POINT IS MAXIMUM 1:40. ALL OTHER HARDSTAND AREAS TO ACHIEVE A GRADIENT OF 1:20 TO COMPLY WITH DISABILITY STANDARDS.
- FOR SLAB LAYOUT PLAN REFER TO STANDARD DRAWINGS FOR MINIMUM BOARDING POINT, REGULAR, INTERMEDIATE AND PREMIUM STOPS.

PAVEMENT


- KERB AND CHANNEL TYPE TO BE APPROVED BY MTDIP. REFER MRC STD DWG A3-00865.
- PAVEMENT TYPE TO BE APPROVED BY MTDIP.

FURNITURE

- A CLEAR HARDSTAND ACCESS SPACE OF 1500mm IS REQUIRED BETWEEN AND AROUND ALL BUS STOP INFRASTRUCTURE, UNLESS APPROVAL FROM MTDIP IS SOUGHT TO REDUCE TO 1200mm DUE TO SITE CONSTRAINTS.
- TACTILE GROUND SURFACE INDICATORS (TGSIS) SHALL BE INSTALLED PERPENDICULAR TO THE KERB AND ACROSS THE FULL WIDTH OF THE PATH OF TRAVEL, TO EXTEND TO THE SHORELINE. ALL FURNITURE SHOULD BE A MINIMUM 300mm CLEAR OF TGSIS. TGSIS TO COMPLY WITH AS1428 AND IN ACCORDANCE WITH MRC SUPPLEMENTARY SPECIFICATION 8500.
- BUS STOP IDENTIFICATION MARKER TO BE J-POLE STYLE. REFER TO MRC STD DWG A3-00863 FOR DETAILS. BUS ZONE SIGNS R5-20(R) AND R5-20(L) TO BE INSTALLED AT THE BUS ZONE EXTENTS. BUS ZONE TO BE MARKED BY BROKEN YELLOW ZONE LINE 80MM TO 100mm WIDE WITH 600mm LINE SEGMENTS AND 900mm GAPS PLACED PARALLEL TO THE KERB.
- SEAT TO BE PARKWAY TYPE AND SUPPLIED BY GOSSI PARK & STREET FURNITURE. THE SEAT REQUIRES "CLASSIC COAST ARMS" AND FLANGE MOUNT LEGS. SEAT TO BE CLEAR ANODISED PLANKS ON BLUE "DEEP OCEAN" POWDER COATED LEGS. REFER TO MANUFACTURES INSTRUCTIONS.
- STREET LIGHTING TO BE UTILIZED WHERE POSSIBLE (MINIMUM 2.5m ON DEPARTURE SIDE OF THE BUS IDENTIFICATION MARKER). CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN (CPTED) PRINCIPLES TO BE APPLIED. ADDITIONAL BUS STOP LIGHTING TO BE PROVIDED ONLY WITH MACKAY REGIONAL COUNCIL APPROVAL.
- SHELTER TO BE PARKLAND TYPE AND SUPPLIED BY GOSSI PARK & STREET FURNITURE. THE SHELTER ROOF TO BE "SURFMIST" AND THE FRAME AND PANELS TO BE "BLUE NIGHT". SHELTER TO COMPLY AND IN ACCORDANCE WITH MRC SUPPLEMENTARY SPECIFICATION 8503. REFER TO MANUFACTURER INSTRUCTIONS AND MRC STD DWGS A3-00859 AND A3-00860.

VEGETATION

- VEGETATION MUST NOT OBSTRUCT SIGHT LINES BETWEEN APPROACHING BUS AND PASSENGERS, SHELTERS OR SEATS. VEGETATION MUST NOT OBSTRUCT PASSIVE SURVEILLANCE AT STOP (CPTED). TREE TRUNKS MUST BE CLEAR OF VEGETATION FOR A MINIMUM OF 4.5m FROM UNDERSIDE OF TREE CANOPY. TREES ARE TO BE SET BACK A MINIMUM 600mm FROM FACE OF KERB.

C 22/02/23 REVISED DESIGN & NOTATION		SURVEY		DRAWN	SIGNED	DATE	DIRECTOR ENGINEERING AND COMMERCIAL INFRASTRUCTURE SIGNED RPEQ 6430 JASON DEVITT DATE 12/8/10		STANDARD BUS STOP STANDARDS INDENTED BUS BAY		SHEET 1 OF 1		
B 7.12.18 DISABLED PAVEMENT MARKING NOT REQ'D GH		SURVEY FILE No		DESIGNED	SIGNED	DATE					WORKS JOB No.		
A 4.12.18 AMENDED		LEVEL DATUM		CHECKED	SIGNED	DATE					DRAWING No.		AMEND.
DATE	DESCRIPTION	APPVD	MANAGER TECHNICAL SERVICES		C.BROWN on behalf of 12.8.10						A3-00876		C
AMENDMENTS AND REVISIONS			MERIDIAN		G. HAWES RPEQ 5693		DATE						
STANDARD DRAWINGS/ROADS/A3-00876.DWG													