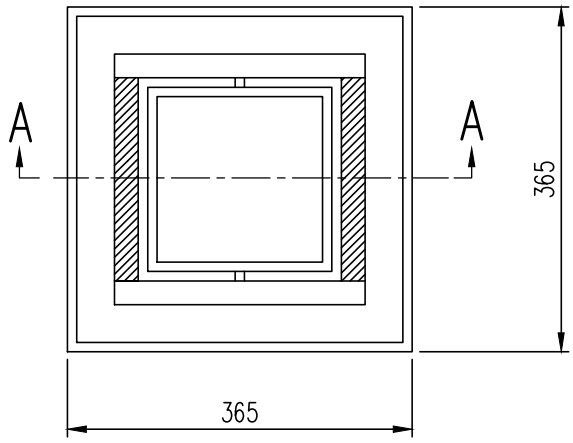
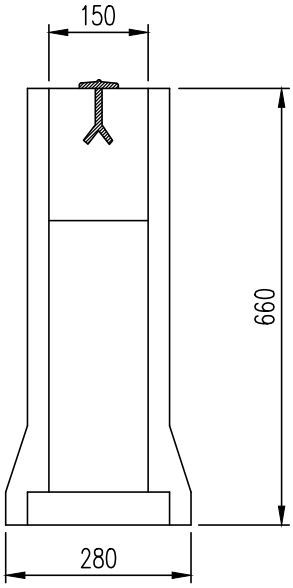
COVER & LID FOR
SURVEY MARKS
TYPE 'A1'

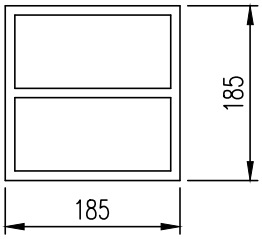


PLAN OF SURROUND



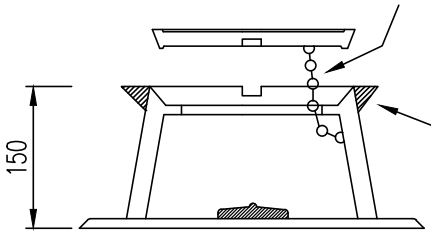
BASE BLOCK SECTION A–A

CAST IRON OR DOUBLE GALVANISED LID FOR SURVEY MARKS IS STANDARD AS SET OUT IN THE SURVEY COORDINATION ACT – 1958



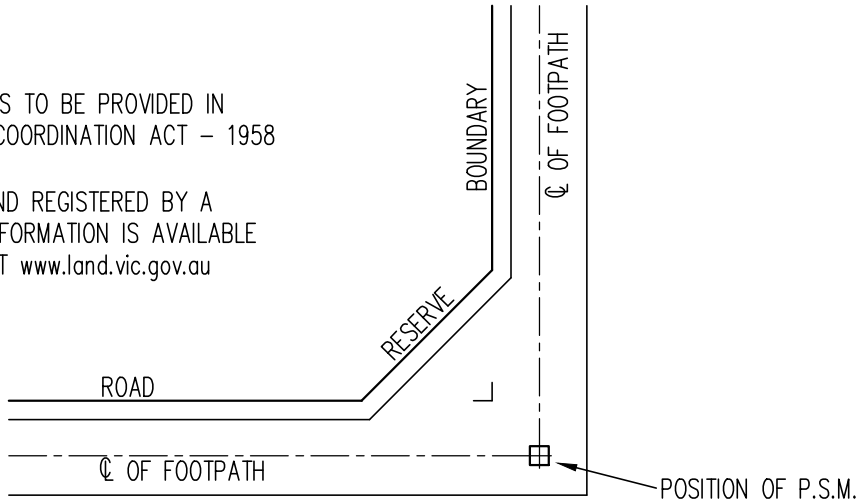
COVER DETAILS

300mm. MIN. OF STEEL CHAIN FIRMLY ATTACHED TO BOTH COVER & LID



COVER SECTION A–A

NOTE: PERMANENT SURVEY MARKS TO BE PROVIDED IN ACCORDANCE WITH THE SURVEY COORDINATION ACT – 1958 SECTION 61(C).
THE MARK MUST BE CERTIFIED AND REGISTERED BY A LICENSED SURVEYOR, FURTHER INFORMATION IS AVAILABLE FROM THE STATE GOVERNMENT AT www.land.vic.gov.au



PLAN

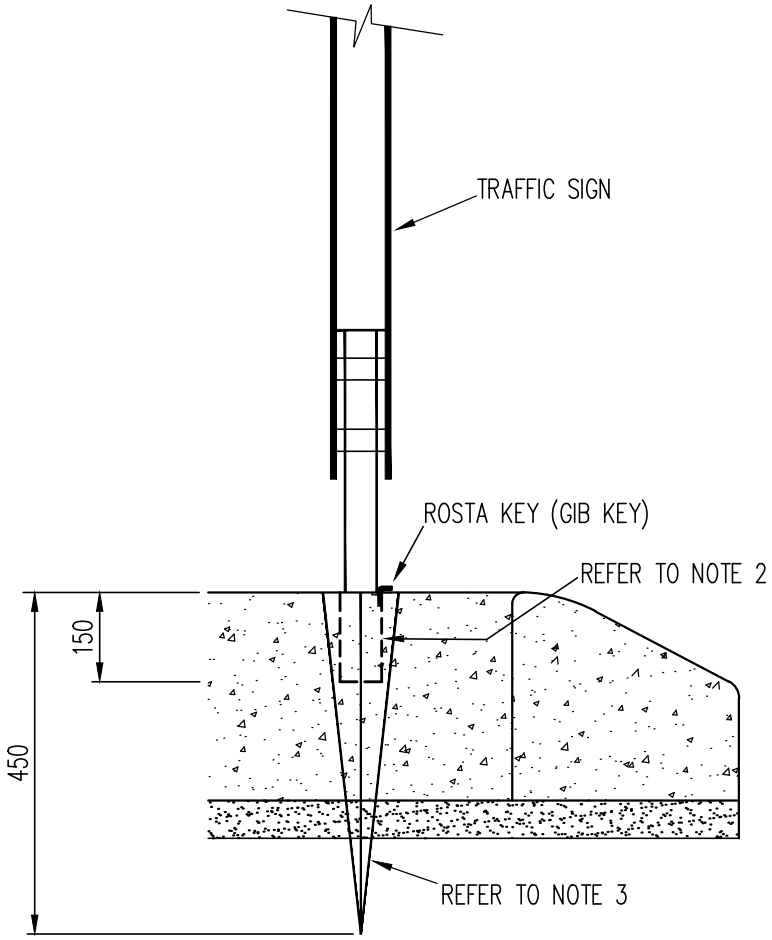
GREATER DANDENONG

PERMANENT SURVEY MARK

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 700–A



NOTES

1. SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SET-2010 – MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
2. SLEEVE IS TO BE CONCRETED INTO THE TRAFFIC ISLAND
3. LOC-SOCKET SPIKE IS TO BE AN APPROVED TYPE

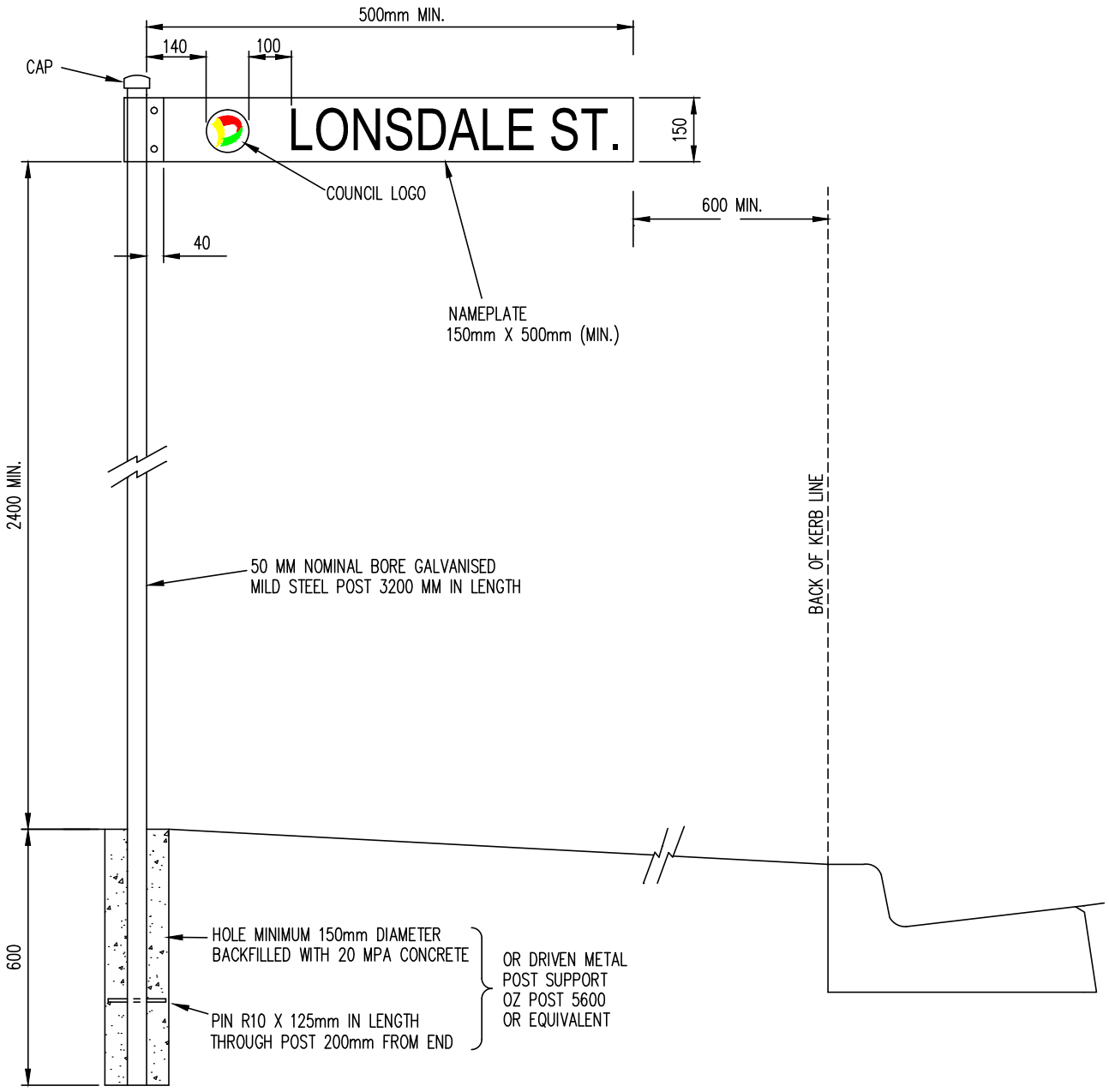
GREATER DANDENONG

LOC-SOCKET SPIKE AND WEDGE
FOR SIGN POSTS

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 701-A



NOTES

1. BASE MATERIAL – EXTRUDED ALUMINIUM BLADE, DE NEEFE G5 OR EQUIVALENT (150 MM HIGH X MAXIMUM LENGTH OF SIGN 900 MM)
2. THE LEGEND SHALL BE 100 MM HIGH WITH CLASS C LETTERING (AS 1744 1975) UNLESS THE MAXIMUM LENGTH OF SIGN WOULD BE EXCEEDED. IN SUCH CASES THE LETTERING SHALL BE CLASS B (AS 1744 1975)
3. A CLEAR DISTANCE OF 40 MM SHALL BE LEFT FREE OF LEGEND ON BOTH SIDES OF THE SIGN AT ONE AND THE SAME END
4. THE LEGEND SHALL BE CLASS 1 HIGH INTENSITY BLACK
   THE BACKGROUND SHALL BE DIAMOND GRADE LDP REFLECTIVE WHITE
   THE SIGN SHALL BE ATTACHED TO THE POLE USING DE NEEFE AL1 6 BRACKETS
5. OR EQUIVALENT. THE USE OF BRACKETS WHICH GRIP THE SIGN ONLY AT THE TOP AND BOTTOM SHALL NOT BE PERMITTED
6.
7. THE SIGNS SHALL NOT BE INSTALLED ON KERB RETURNS UNLESS DIRECTED BY THE ENGINEER
8. SIGNS TO BE LOCATED IN ACCORDANCE WITH AS (1742.5 1997).
9. ADDITIIONAL SIGNAGE FOR "NO THROUGH ROAD" TO BE INSTALLED IN ACCORDANCE WITH AS (1742.5 1997 – SECTION 2.3(B)).

GREATER DANDENONG

STREET NAME PLATES

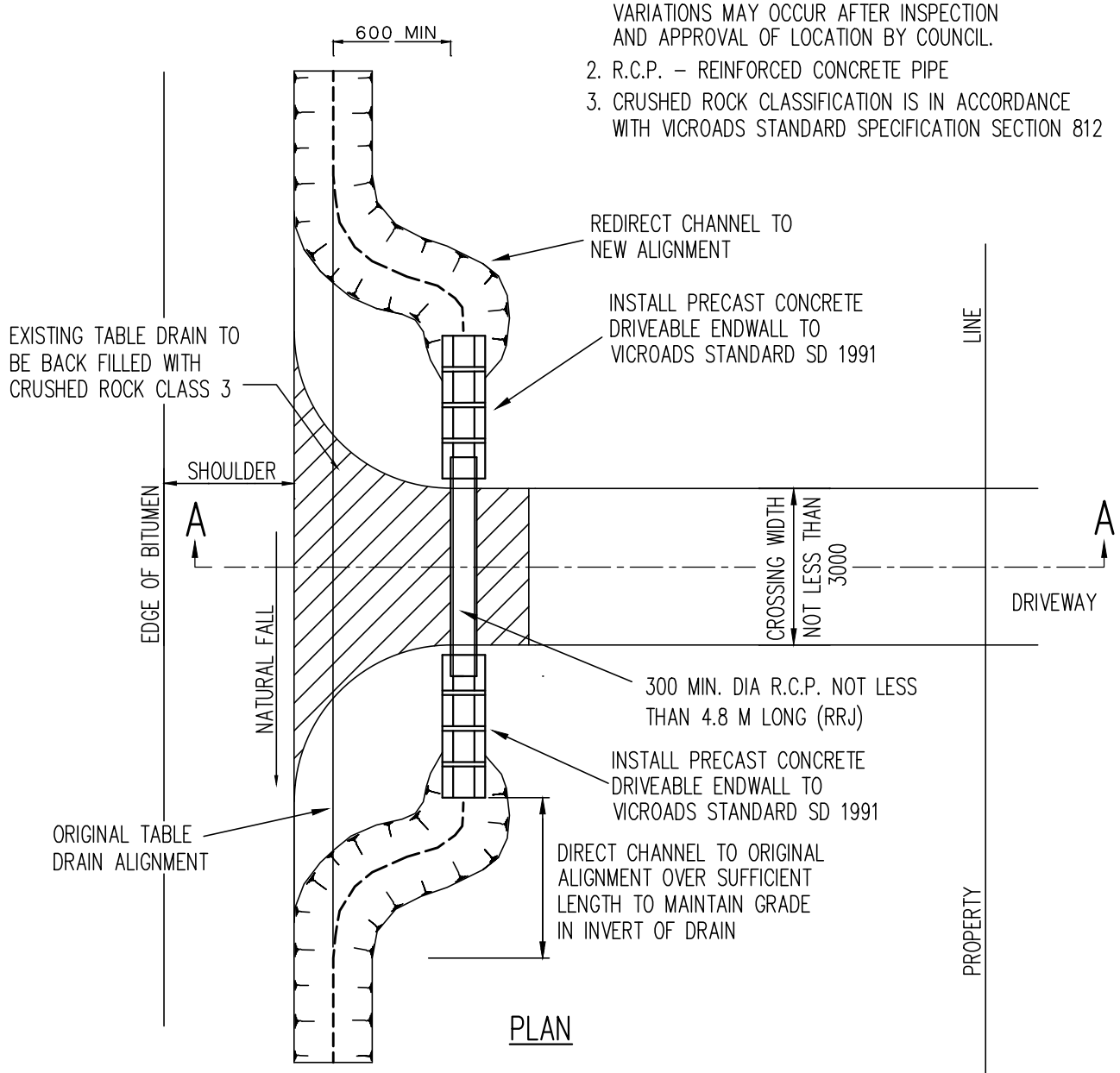
LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

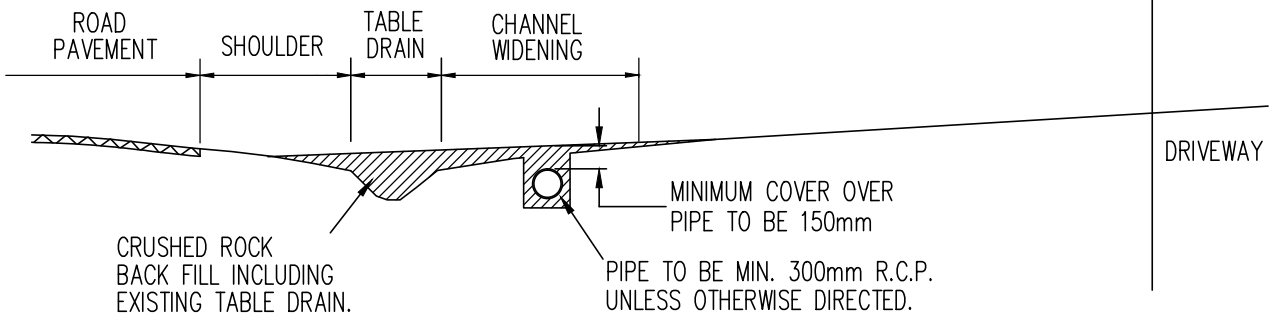
SD 702–A

NOTES:

1. THIS IS A TYPICAL CROSSING PLAN. SLIGHT VARIATIONS MAY OCCUR AFTER INSPECTION AND APPROVAL OF LOCATION BY COUNCIL.
2. R.C.P. – REINFORCED CONCRETE PIPE
3. CRUSHED ROCK CLASSIFICATION IS IN ACCORDANCE WITH VICROADS STANDARD SPECIFICATION SECTION 812



PLAN



BACKFILL AND 75mm DEPTH PIPE BEDDING TO BE 20mm CLASS 3 CRUSHED ROCK

SECTION A–A

GREATER DANDENONG

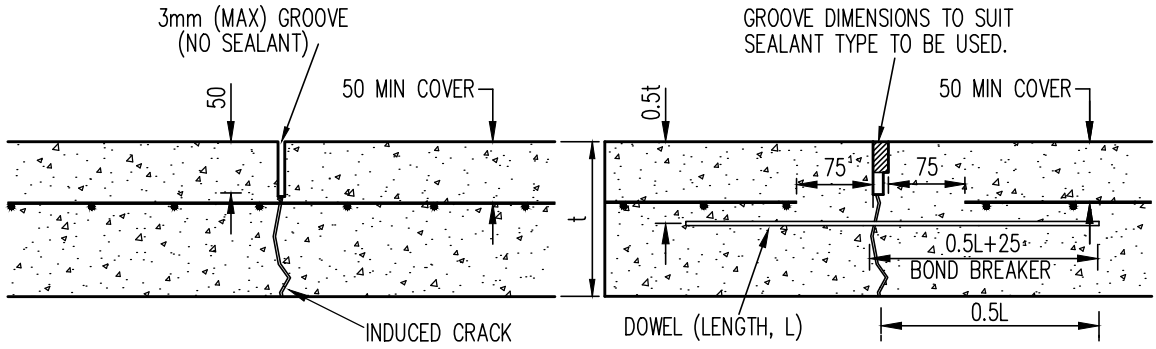
RURAL VEHICLE CROSSING OVER TABLE DRAINS

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 703–A

CONTRACTION JOINTS



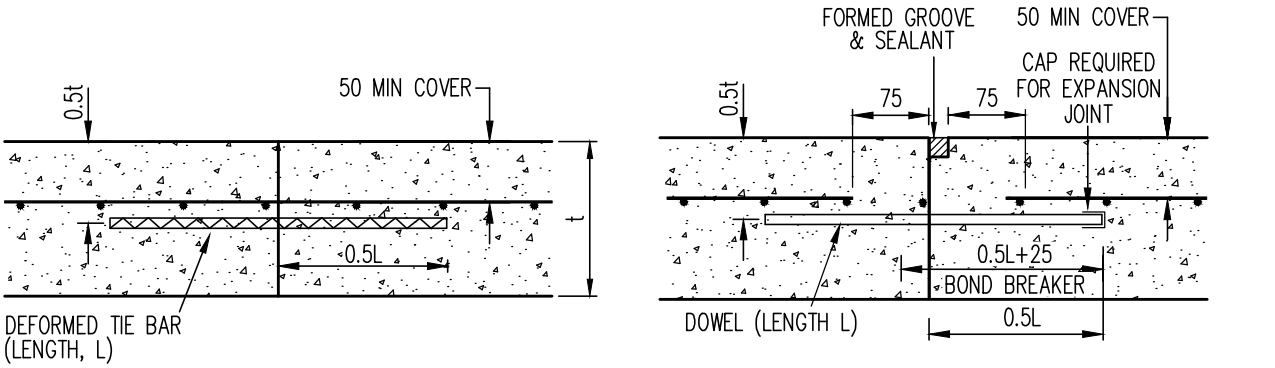
"INTERMEDIATE"

SPACING 4m (MAX)

"STANDARD"

SPACING 12m (MAX)

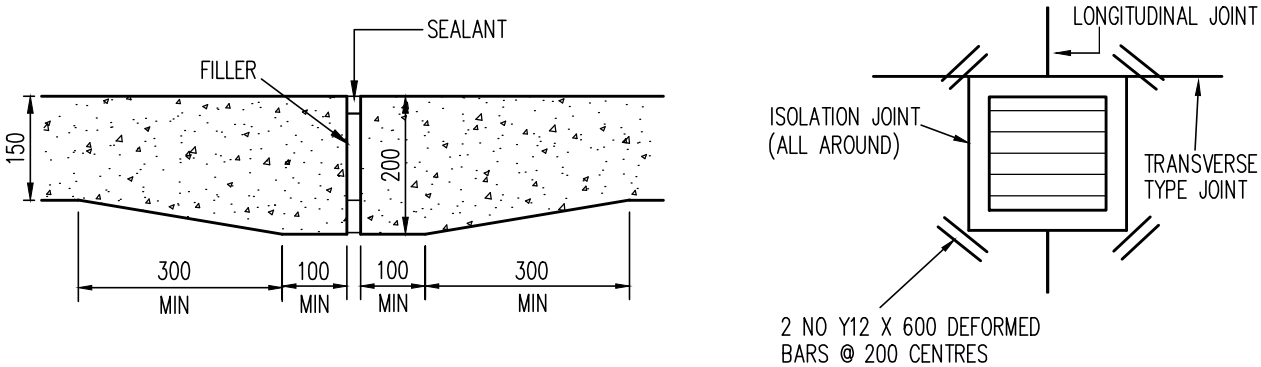
CONSTRUCTION JOINTS



TIED JOINT NOT AT A CONTRACTION JOINT

DOWELLED BUTT JOINT AT A CONTRACTION JOINT

ISOLATION JOINTS



TYPICAL ISOLATION JOINT

TYPICAL JUNCTION PIT JOINTING

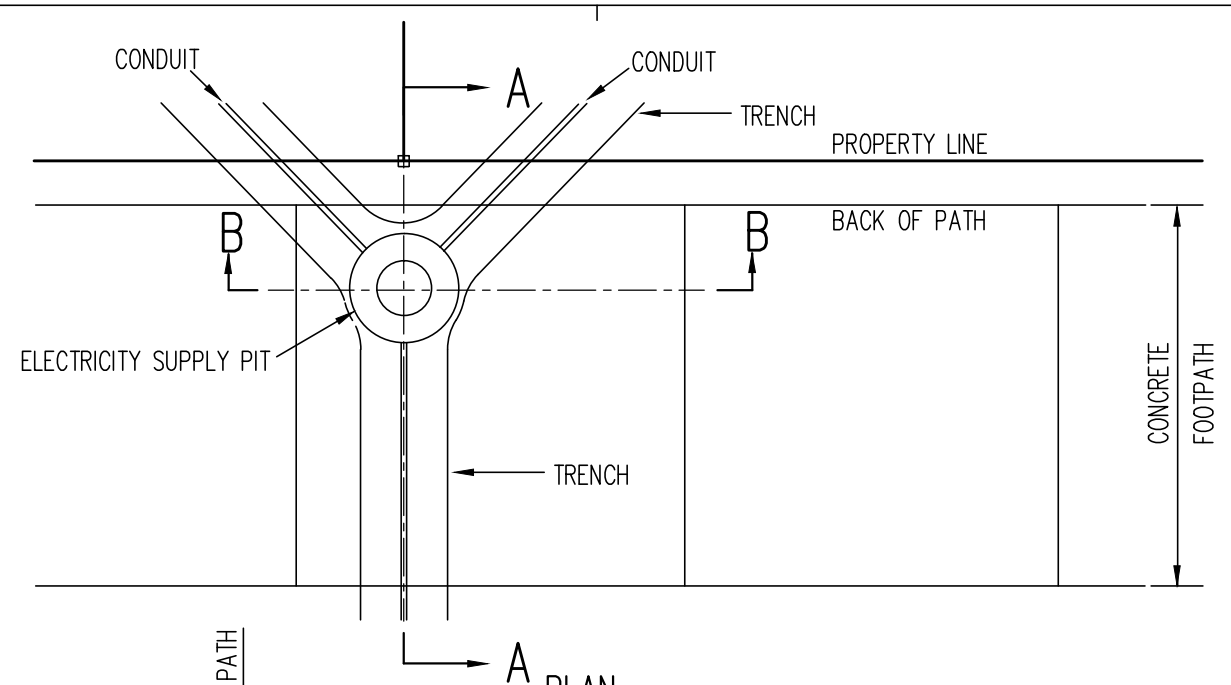
GREATER DANDENONG

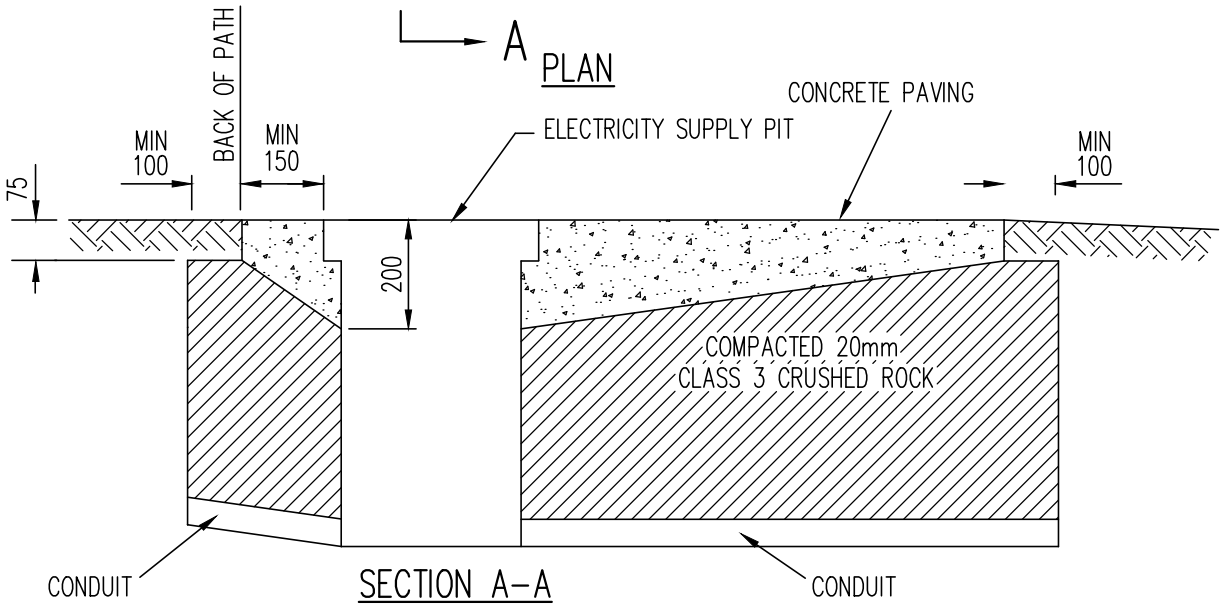
CONCRETE SLAB JOINTING DETAILS

LAST UPDATED – SEPTEMBER 2014

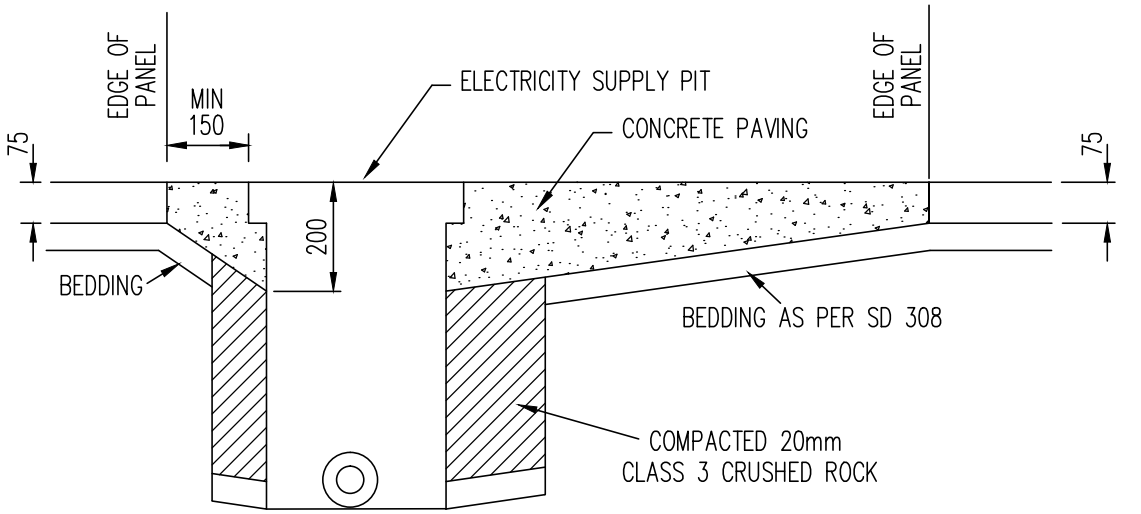
INFRASTRUCTURE PLANNING

SD 704–B





SECTION A–A



SECTION B–B

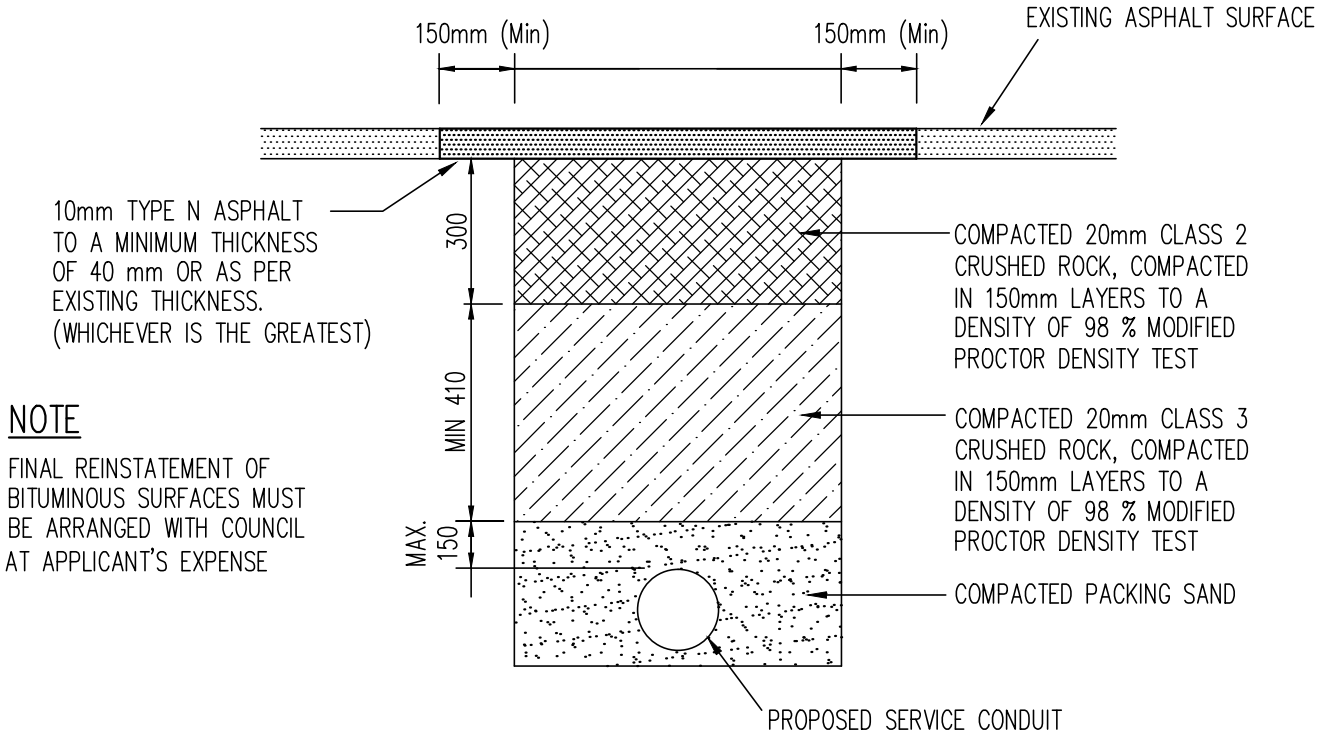
GREATER DANDENONG

UNDERGROUND ELECTRICITY SUPPLY PITS
BACKFILLING

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

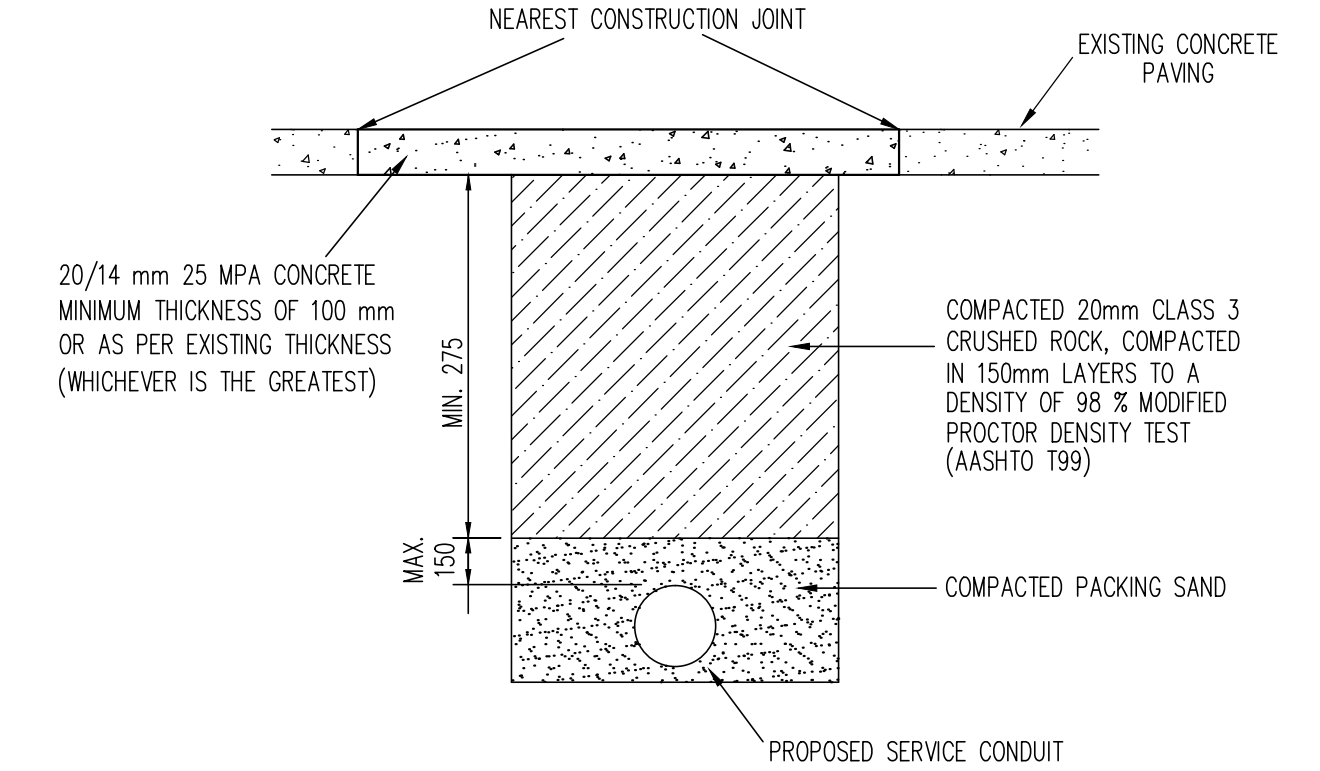
SD 705–A



NOTE

FINAL REINSTATEMENT OF BITUMINOUS SURFACES MUST BE ARRANGED WITH COUNCIL AT APPLICANT'S EXPENSE

BACKFILLING REQUIREMENT FOR SEALED ROAD PAVEMENT



BACKFILLING REQUIREMENTS FOR CONCRETE PAVING

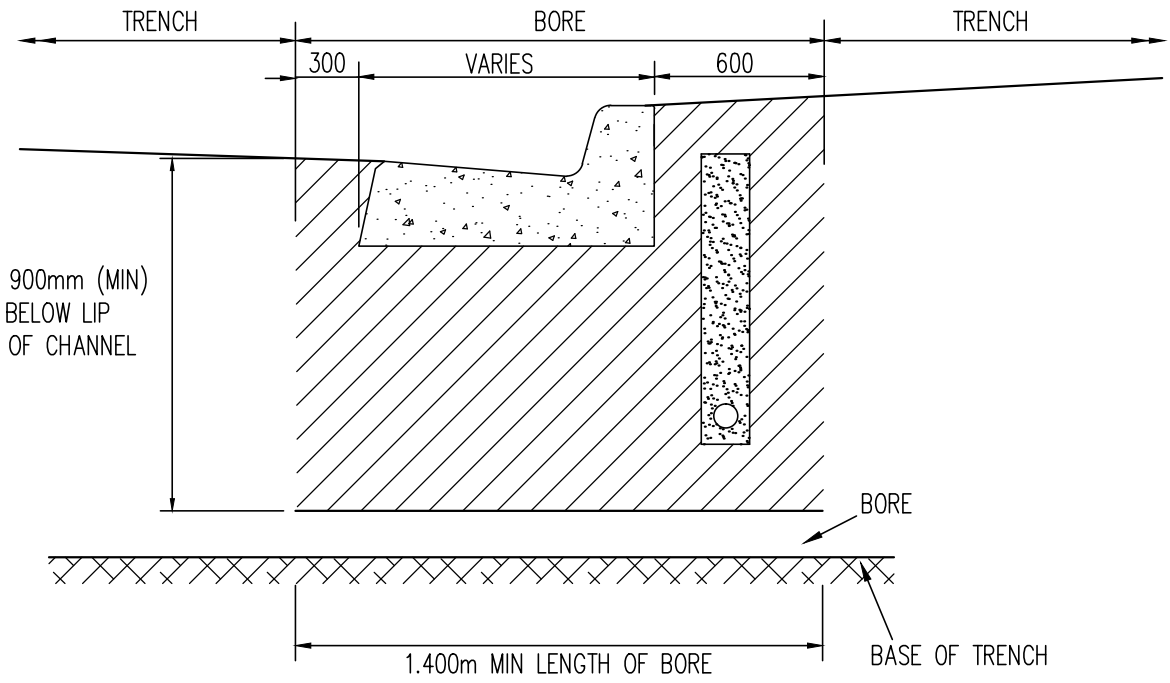
GREATER DANDENONG

CONDITIONS FOR INSTALLATION OF SERVICES
UNDER SEALED PAVEMENTS AND CONCRETE PAVING
BY OPEN CUTTING (ONLY WITH COUNCIL APPROVAL)

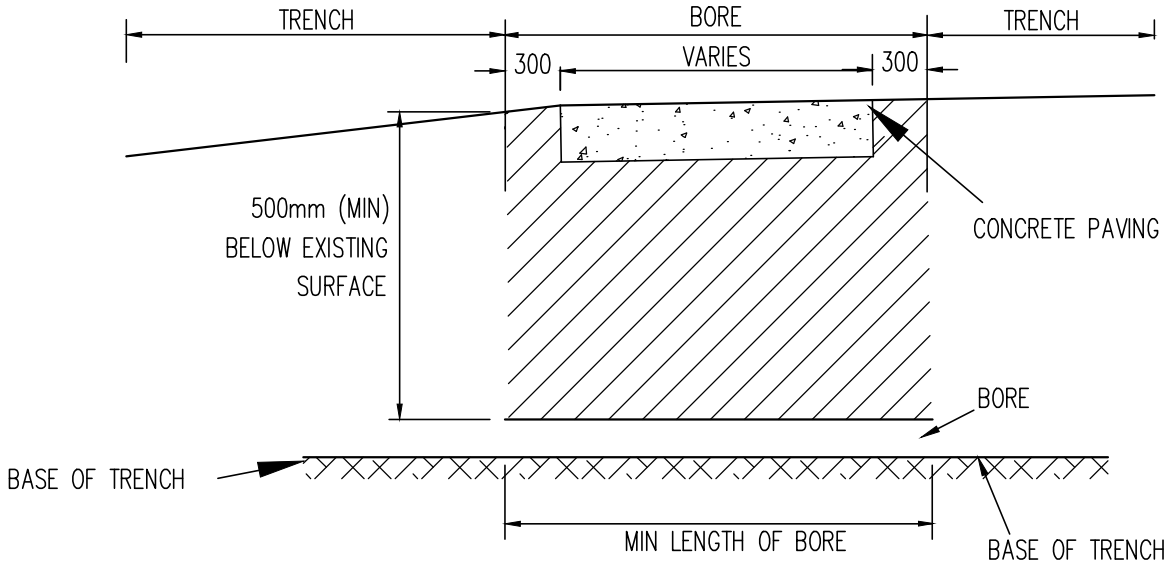
LAST UPDATED – APRIL 2015

INFRASTRUCTURE PLANNING

SD 706–B



BORING UNDER KERB & CHANNEL



BORING UNDER CONCRETE PAVING

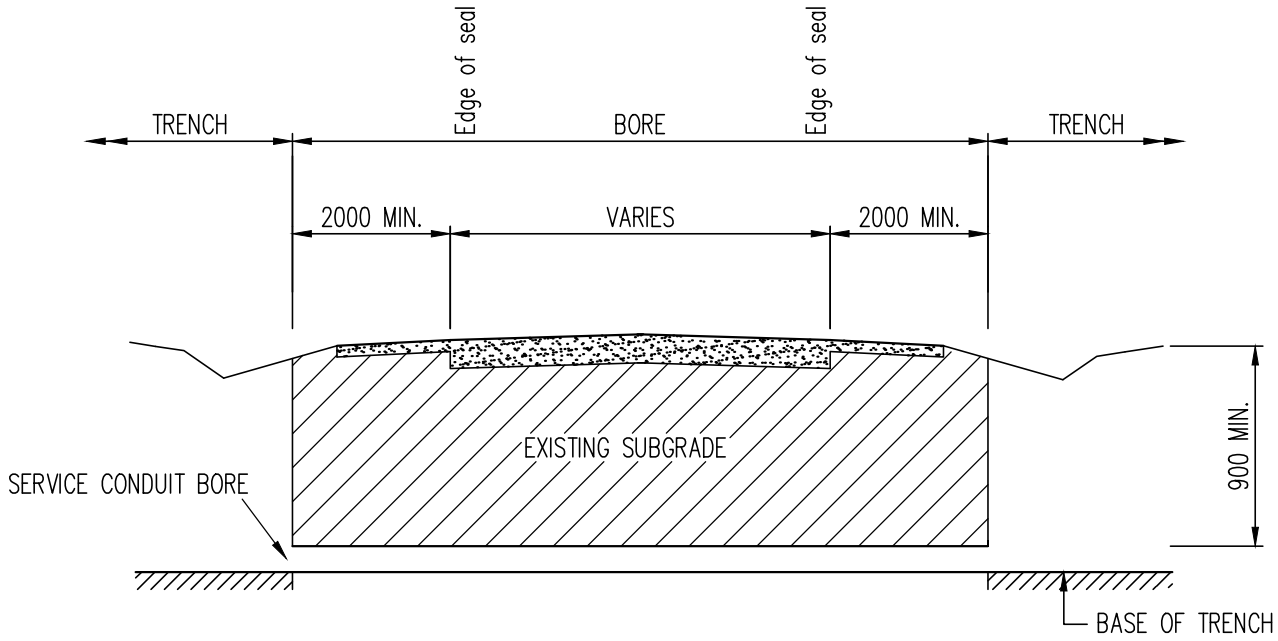
GREATER DANDENONG

CONDITIONS FOR INSTALLATION OF SERVICES
UNDER KERB AND CHANNEL AND CONCRETE PAVING
BY THRUST BORING

LAST UPDATED – SEPTEMBER 2014

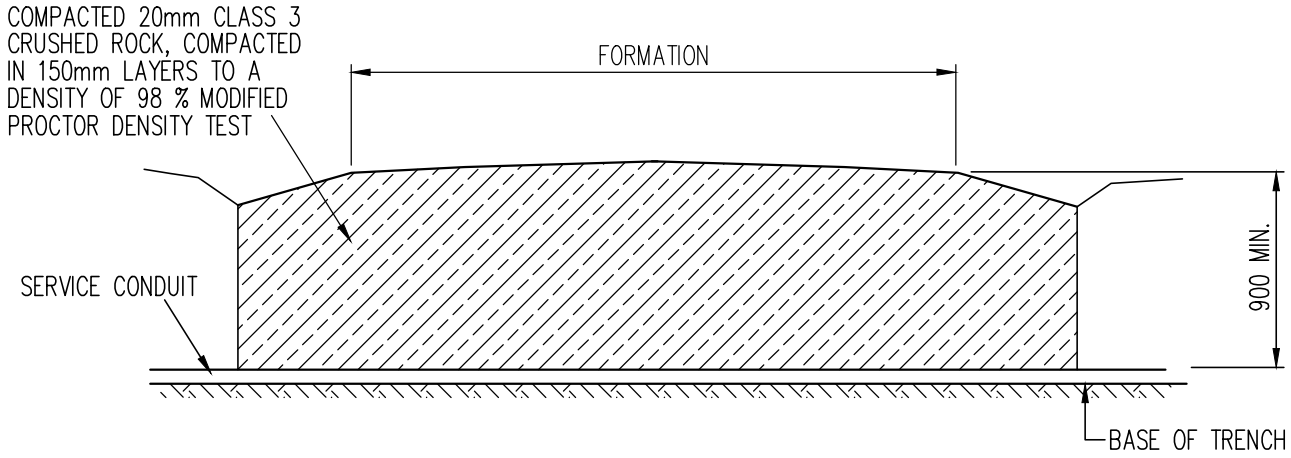
INFRASTRUCTURE PLANNING

SD 707–A



BORING UNDER UNKERBED SEALED PAVEMENT

NOT TO SCALE



BACKFILLING REQUIREMENTS FOR OPEN TRENCHING UNDER UNSEALED ROAD PAVEMENT

NOT TO SCALE

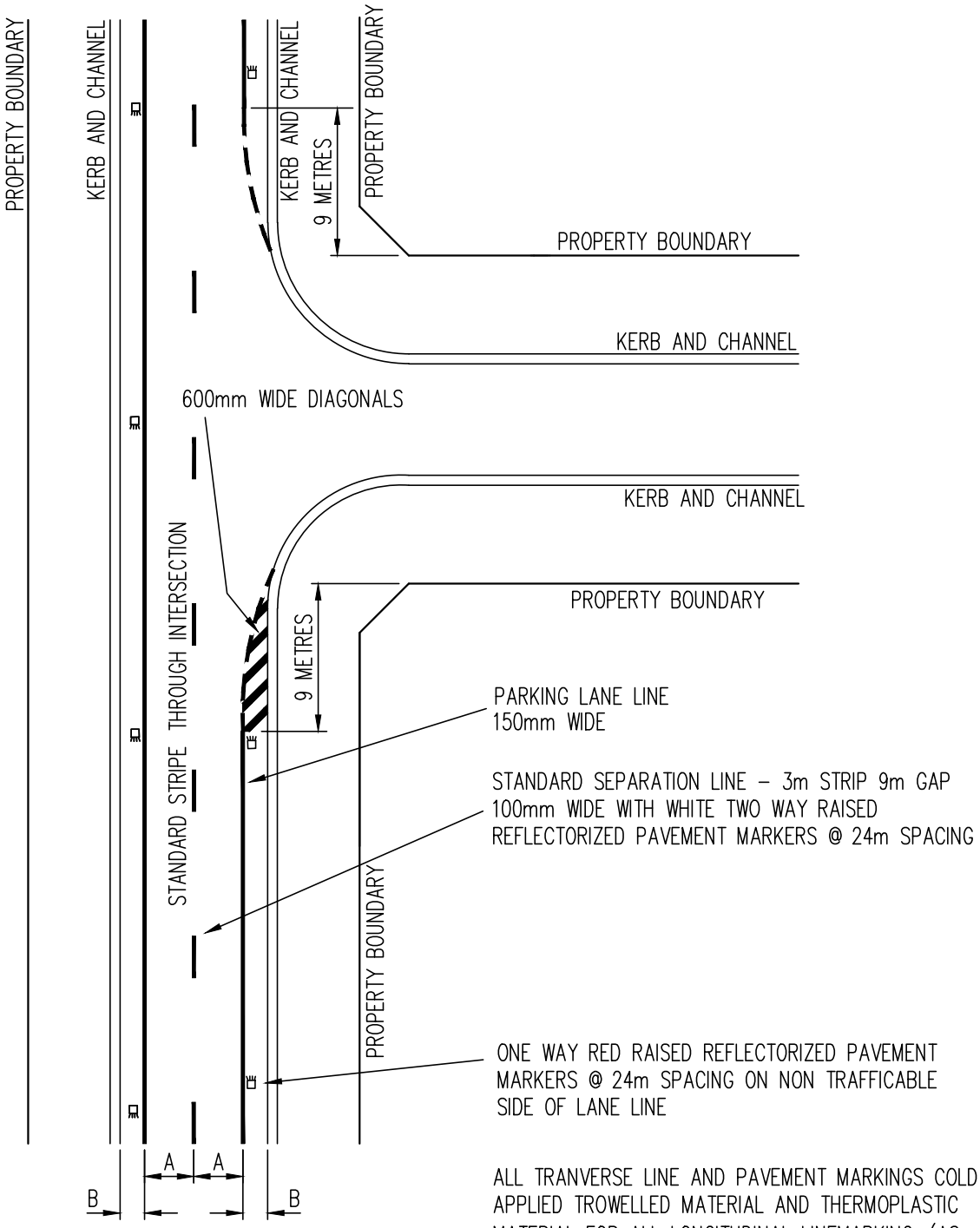
GREATER DANDENONG

CONDITIONS FOR INSTALLATION OF SERVICES UNDER SEALED AND UNSEALED ROADS WITH NO KERB AND CHANNEL

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 708–A



ALL TRANVERSE LINE AND PAVEMENT MARKINGS COLD APPLIED TROWELLED MATERIAL AND THERMOPLASTIC MATERIAL FOR ALL LONGITUDINAL LINEMARKING. (AS PER VICROADS STANDARDS)

NOTE: LINE MARKING TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL.2 (SIGNS & LINE MARKING)

LANE DIMENSIONS
A = THROUGH LANES – 3m (DESIRABLE MIN.)
B = PARKING LANES – BALANCE (DESIRABLE MIN. 2.1m TO FACE)

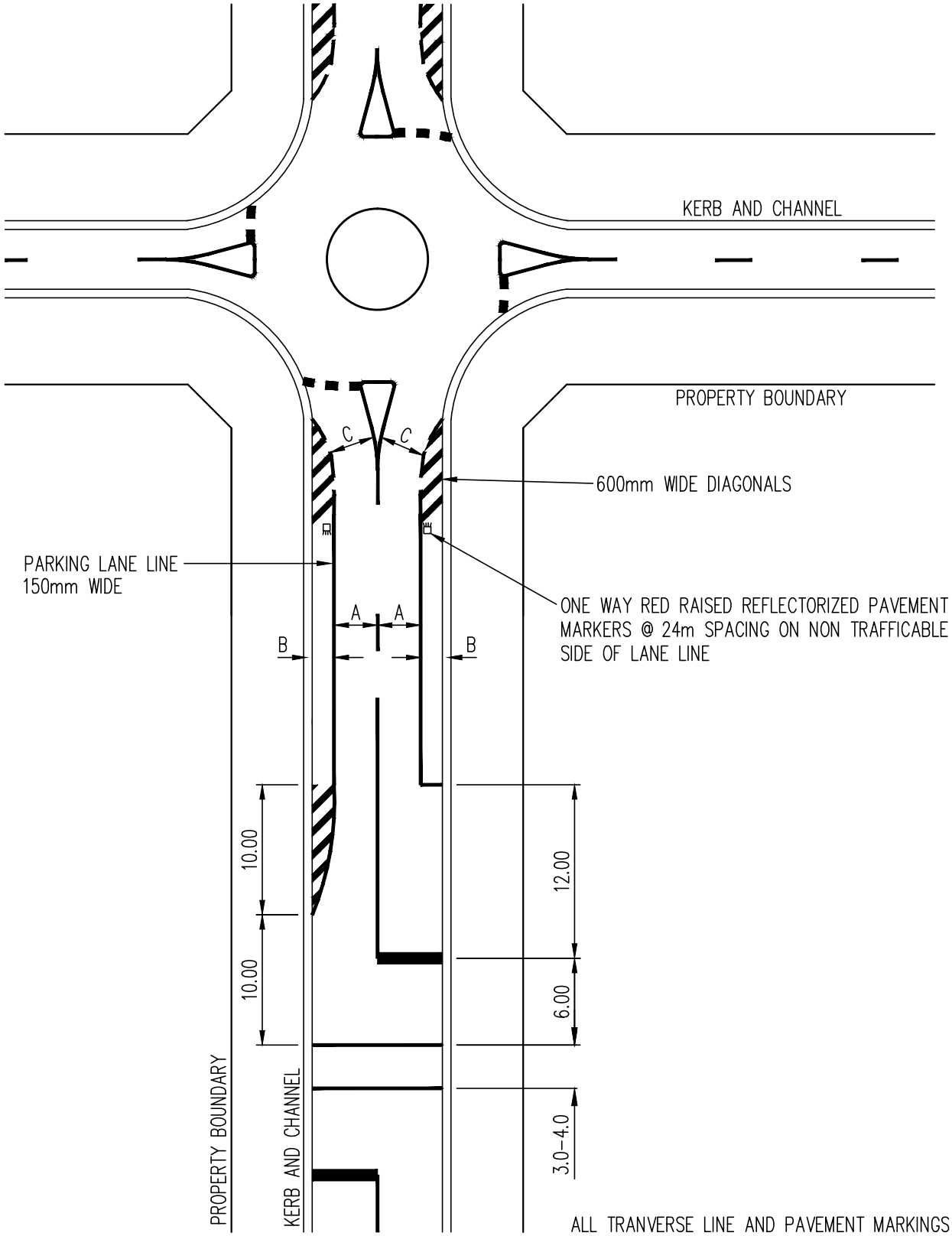
GREATER DANDENONG

STANDARD PARKING LANE AND CENTRELINE TREATMENT

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 709–A



LANE DIMENSIONS

A = THROUGH LANES – 3m (DESIRABLE MIN.)
B = PARKING LANES – BALANCE (DESIRABLE MIN. 2.1m TO FACE)
C = 3m MIN.

ALL TRANVERSE LINE AND PAVEMENT MARKINGS COLD APPLIED TROWELLED MATERIAL AND THERMOPLASTIC MATERIAL FOR ALL LONGITUDINAL LINEMARKING. (AS PER VICROADS STANDARDS)

NOTE: LINE MARKING TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL.2 (SIGNS & LINE MARKING)

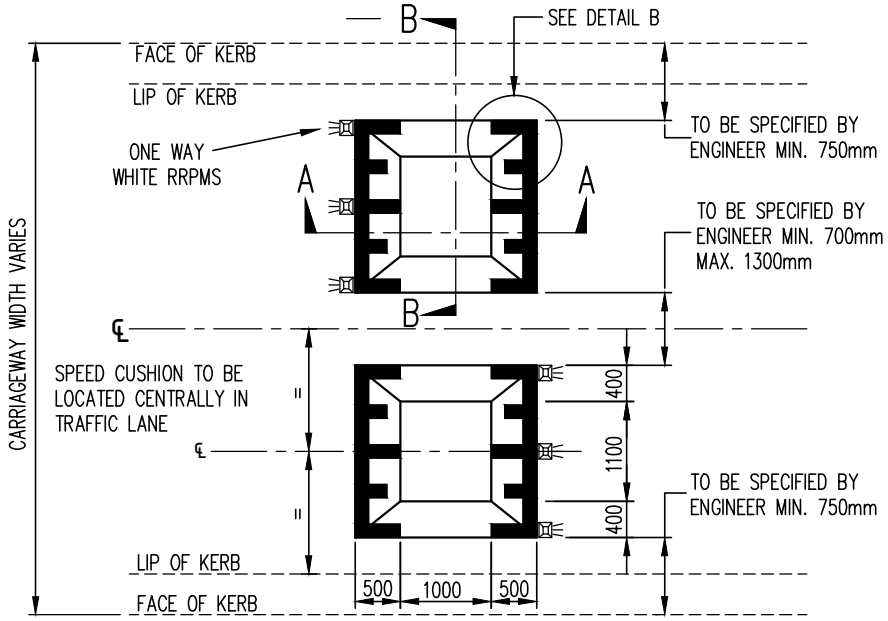
GREATER DANDENONG

STANDARD PARKING LANE AND CENTRELINE TREATMENT AT ROUNDABOUTS AND SCHOOL CROSSINGS

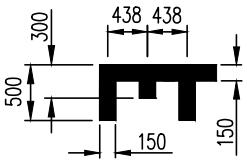
LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 710–A

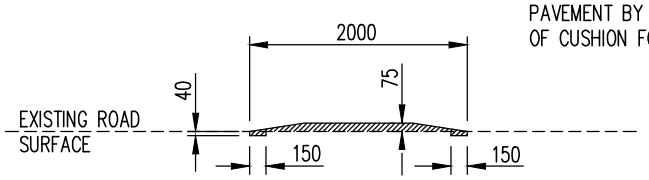


PLAN

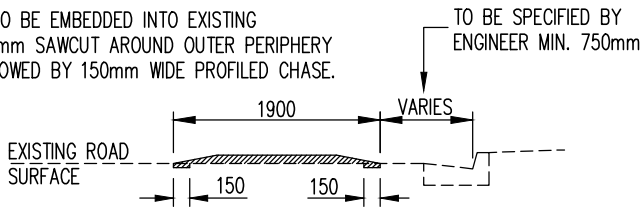


DETAIL B

SPEED CUSHION TO BE EMBEDDED INTO EXISTING PAVEMENT BY 40mm SAWCUT AROUND OUTER PERIPHERY OF CUSHION FOLLOWED BY 150mm WIDE PROFILED CHASE.



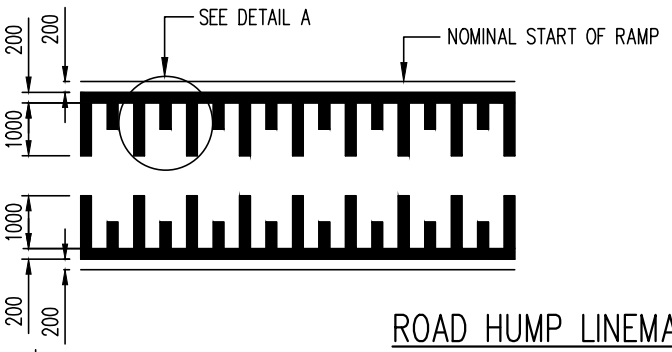
SECTION A–A



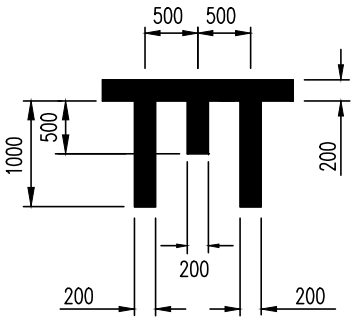
SECTION B–B

SPEED CUSHION

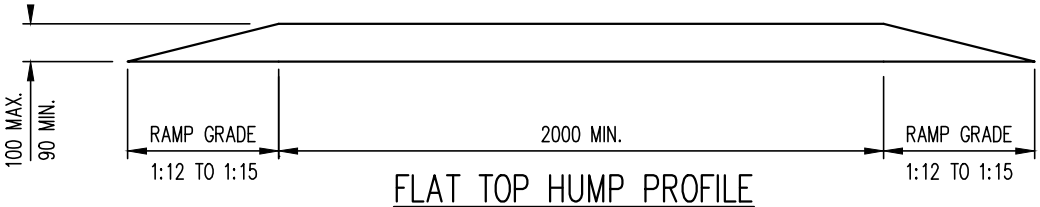
NOT TO SCALE



ROAD HUMP LINEMARKING



DETAIL A



FLAT TOP HUMP PROFILE

PROVIDE BYPASS FOR CYCLISTS WHERE POSSIBLE

NOT TO SCALE

NOTES:

1. IF LOCATION OF SPEED CUSHIONS CANNOT BE ACHIEVED IN ACCORDANCE WITH ABOVE, CONSIDERATION SHOULD BE GIVEN TO A FULL WIDTH SPEED HUMP.
2. AT RAMPS AT ENTRY POINTS TO SHARED ZONES RAMP GRADE SHALL BE INCREASED TO BETWEEN 1:2 AND 1:4.
3. LONG LIFE PAINT IS TO BE USED FOR LINEMARKING WITH GLASS BEADS.
4. ALL INSTALLATIONS TO BE IN ACCORDANCE WITH AS 1742.13

GREATER DANDENONG

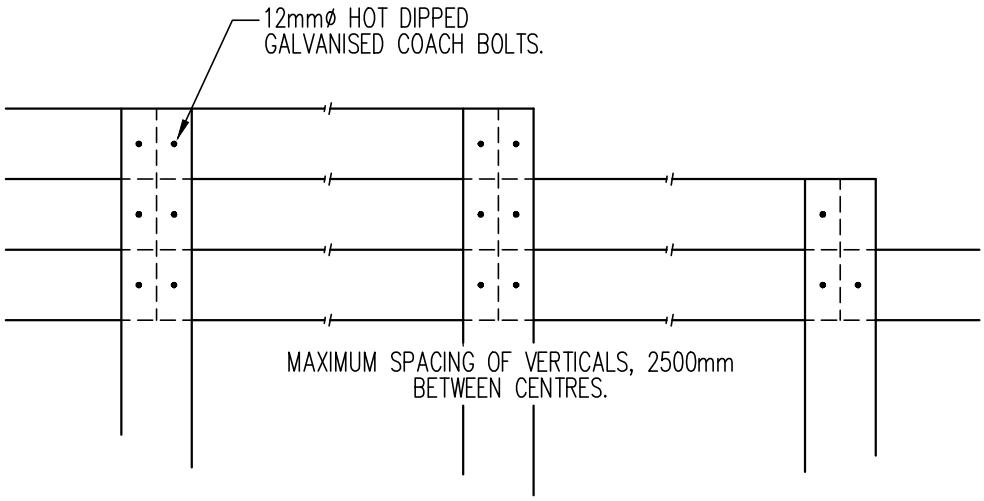
SPEED CUSHION AND SPEED HUMP PROFILES

LOCAL AREA TRAFFIC MANAGEMENT

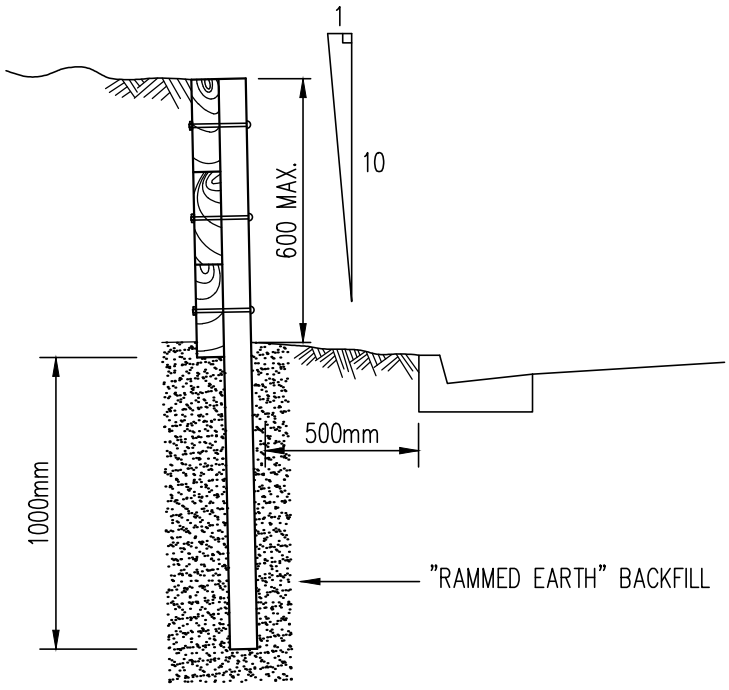
LAST UPDATED – OCTOBER 2015

INFRASTRUCTURE PLANNING

SD 712–B



FRONT ELEVATION



SIDE ELEVATION

NOTES

1. ALL TIMBER TO BE 'A' GRADE SLEEPERS OF REDGUM, IRON BARK OR SPOTTED GUM
2. MINIMUM THICKNESS 75mm.
3. MAXIMUM HEIGHT 600mm
4. WALL TO BE "STEPPED" AT ENDS.

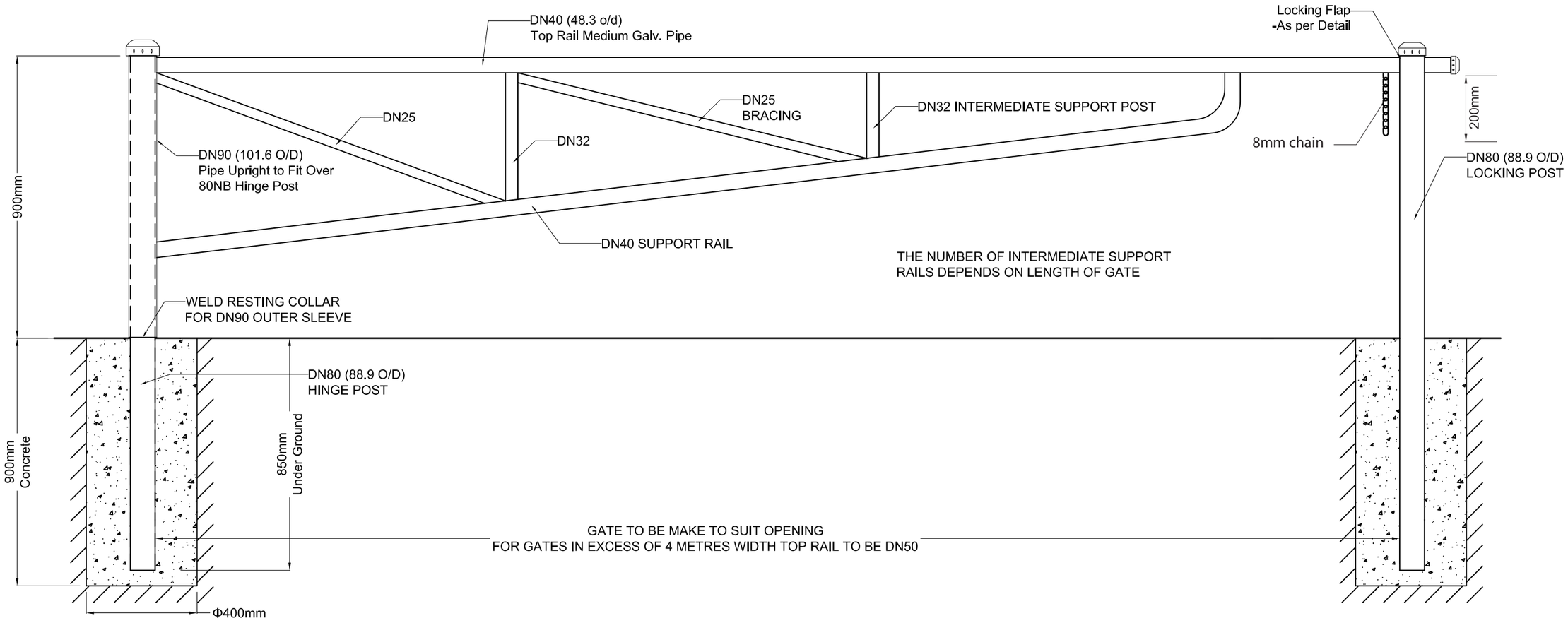
GREATER DANDENONG

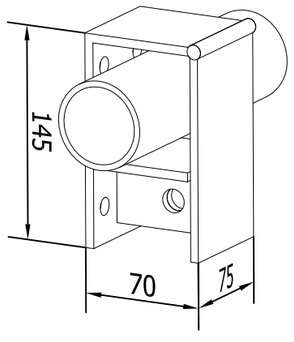
LAST UPDATED – SEPTEMBER 2014

TIMBER RETAINING WALL

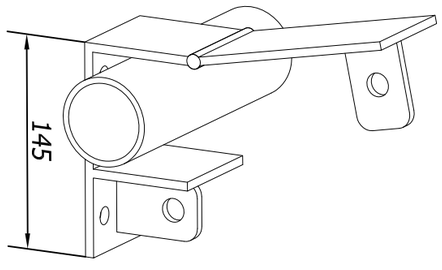
INFRASTRUCTURE PLANNING

SD 713–A





LOCKING FLAP
CLOSING



LOCKING FLAP
OPENING

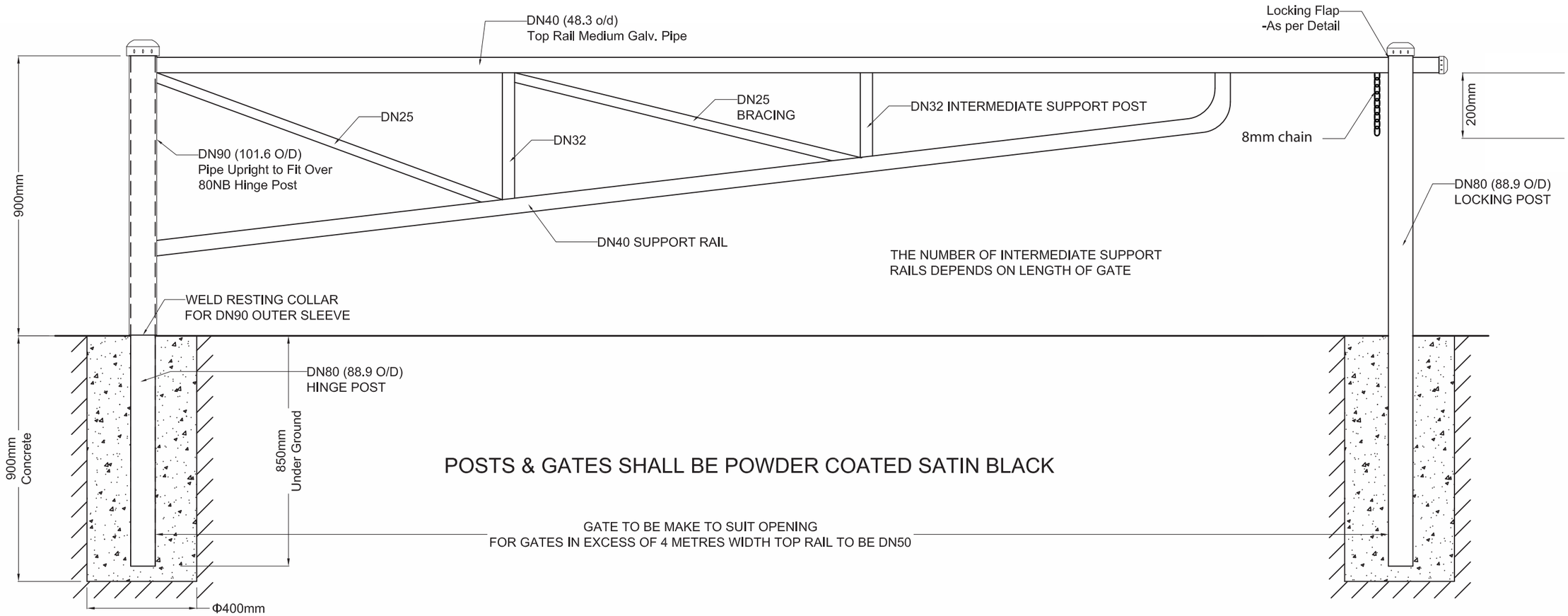
GREATER DANDENONG

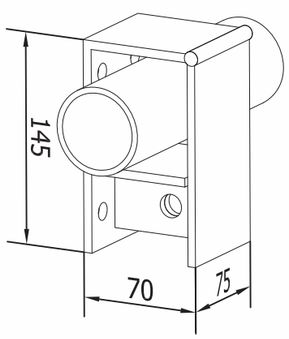
VEHICLE ENTRY GATE
GALVANIZED FINISH

LAST UPDATED - SEPTEMBER 2022

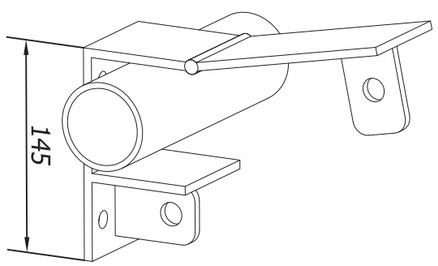
INFRASTRUCTURE PLANNING

SD 714-A





LOCKING FLAP
CLOSING



LOCKING FLAP
OPENING

GREATER DANDENONG

VEHICLE ENTRY GATE
POWDER COATED FINISH

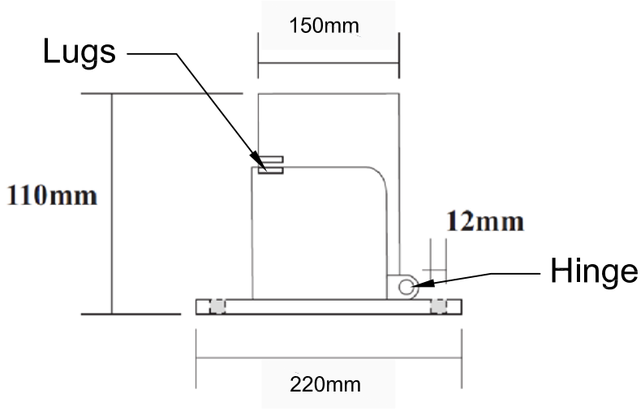
LAST UPDATED - SEPTEMBER 2022

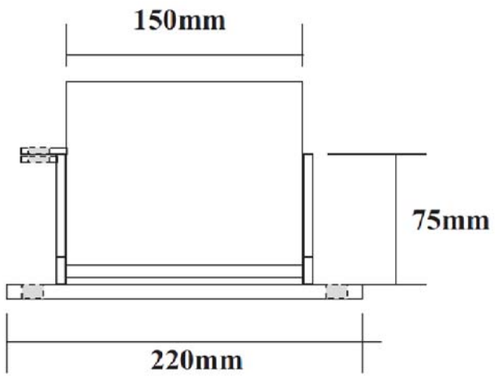
INFRASTRUCTURE PLANNING

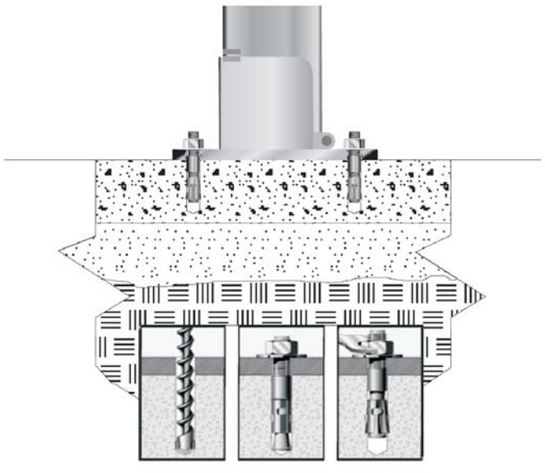
SD 715-B

TIMBER BOLLARD

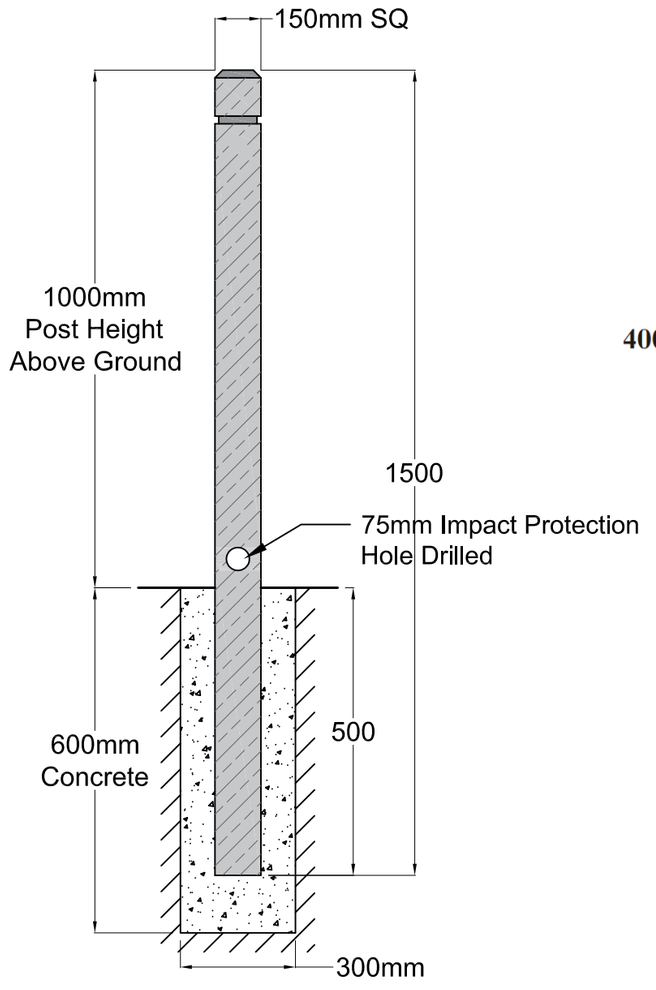
GALVANIZED FOLD DOWN BOLLARD SLEEVE



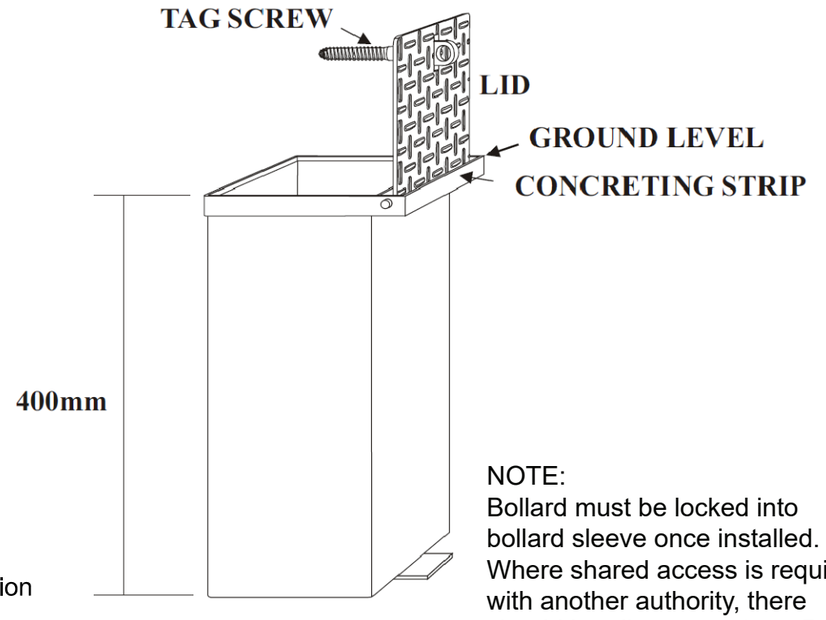




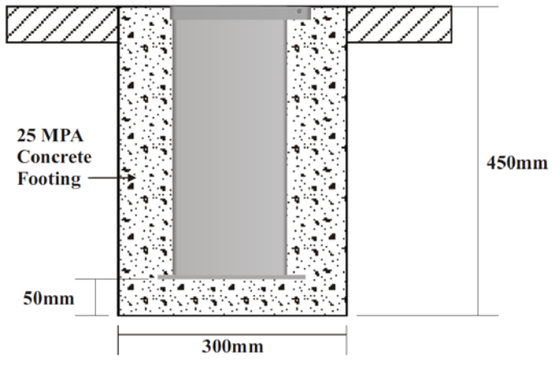
IN-GROUND CONCRETE FOOTING



GALVANIZED IN-GROUND BOLLARD SLEEVE



NOTE:
Bollard must be locked into bollard sleeve once installed.
Where shared access is required with another authority, there should be allowances for a D shackle bolt or similar.



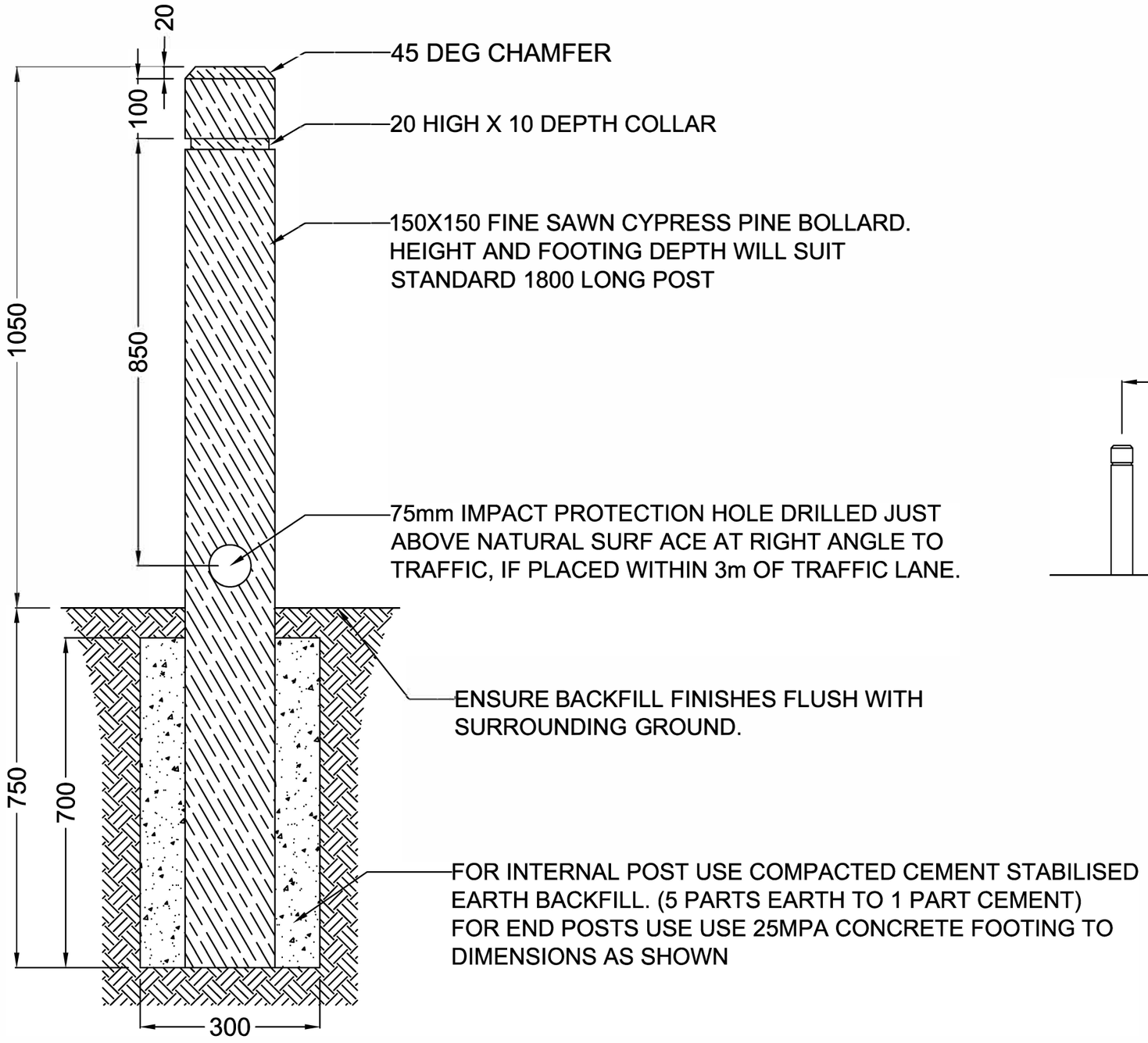
GREATER DANDENONG

TIMBER BOLLARDS

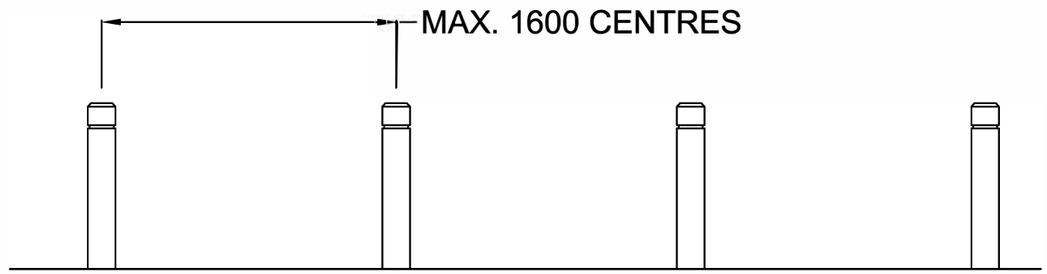
LAST UPDATED - MARCH 2017

INFRASTRUCTURE PLANNING

SD 716-A SHEET 1 of 1



ELEVATION



INSTALLATION ELEVATION

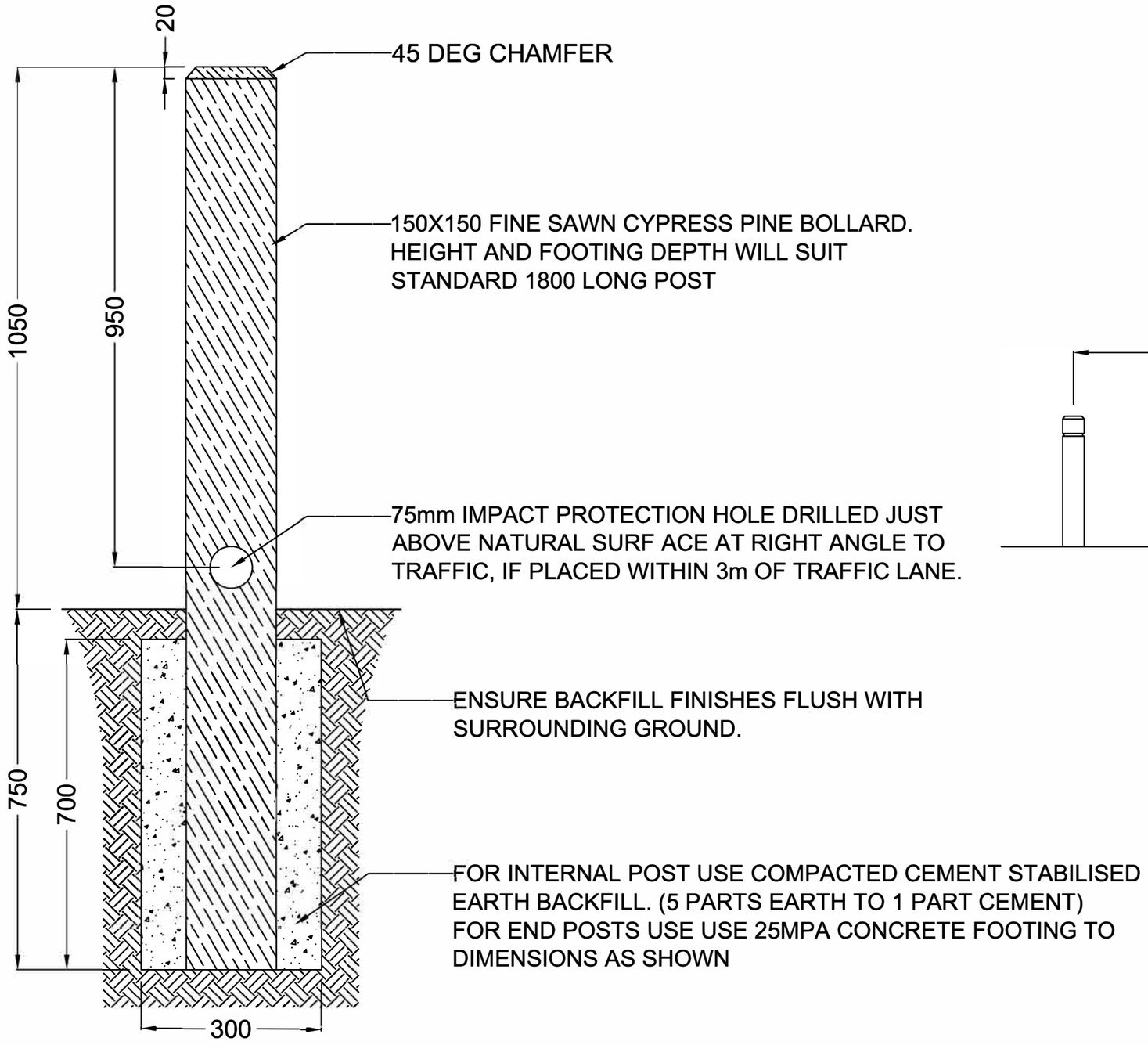
GREATER DANDENONG

TYPE A PARK BOLLARD
150 X 150 REBATE COLLAR

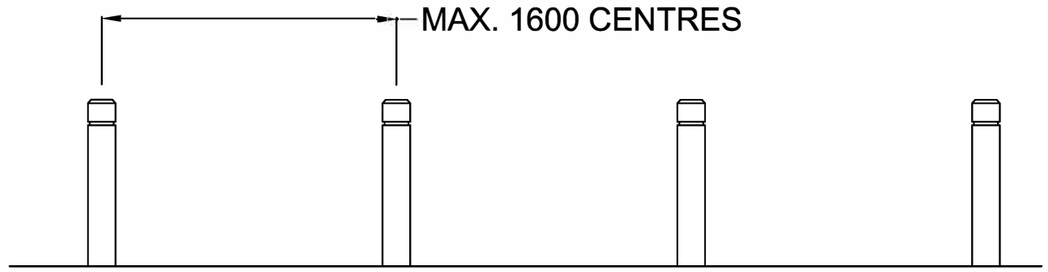
LAST UPDATED - MARCH 2017

INFRASTRUCTURE PLANNING

SD 717-A



ELEVATION



INSTALLATION ELEVATION

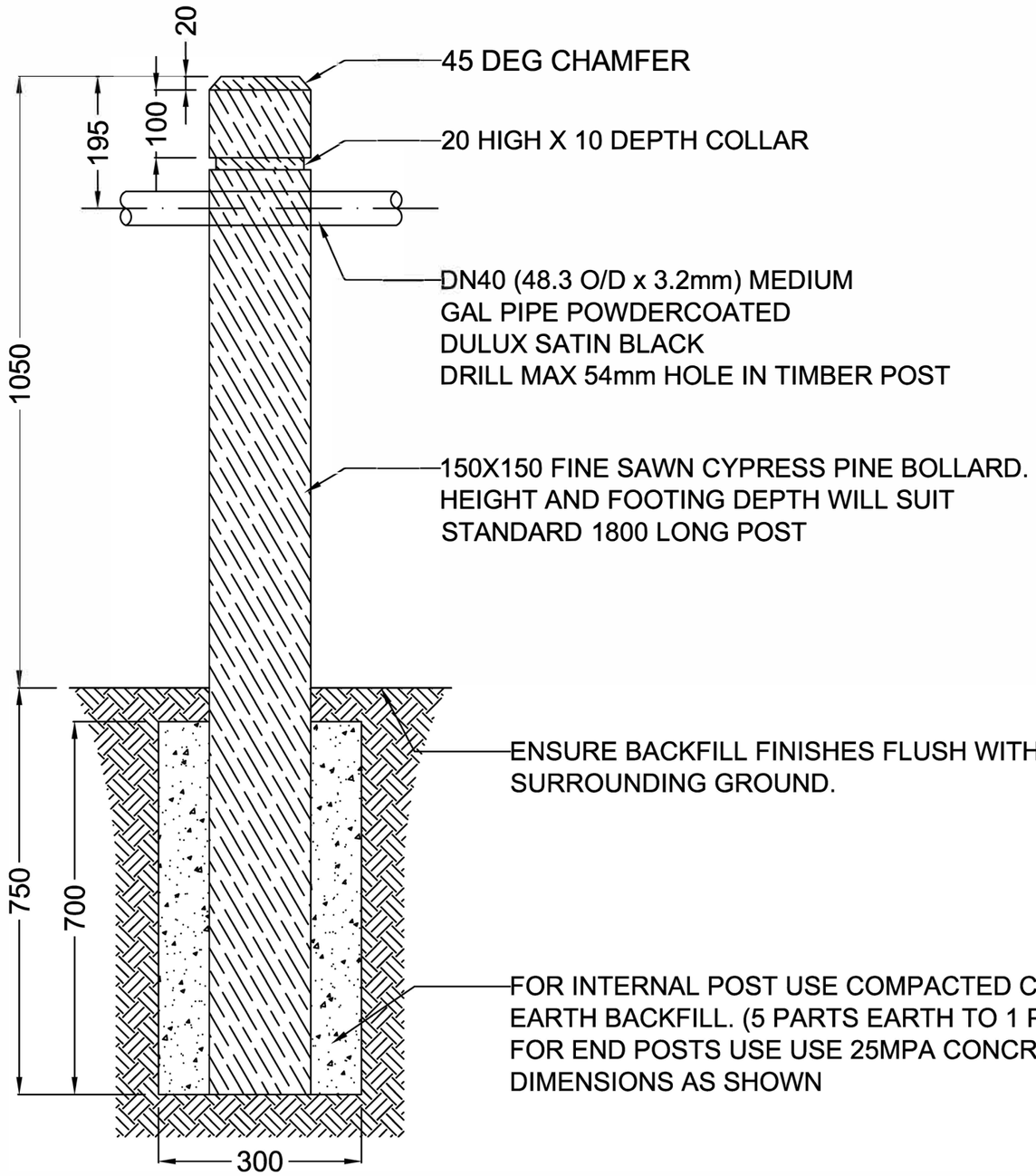
GREATER DANDENONG

TYPE A PARK BOLLARD
150 X 150 PLAIN (NO REBATE)

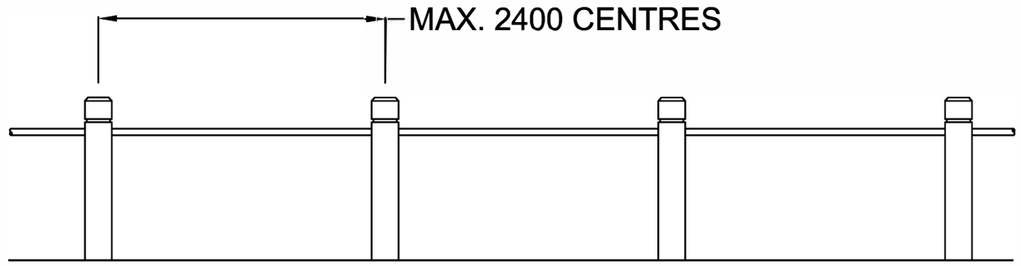
LAST UPDATED - MARCH 2017

INFRASTRUCTURE PLANNING

SD 718-A



ELEVATION



INSTALLATION ELEVATION

NOTE:
IF USING THIS STYLE OF POST AND PIPE FENCING WITHIN A ROAD RESERVE CONTACT TRAFFIC DEPARTMENT

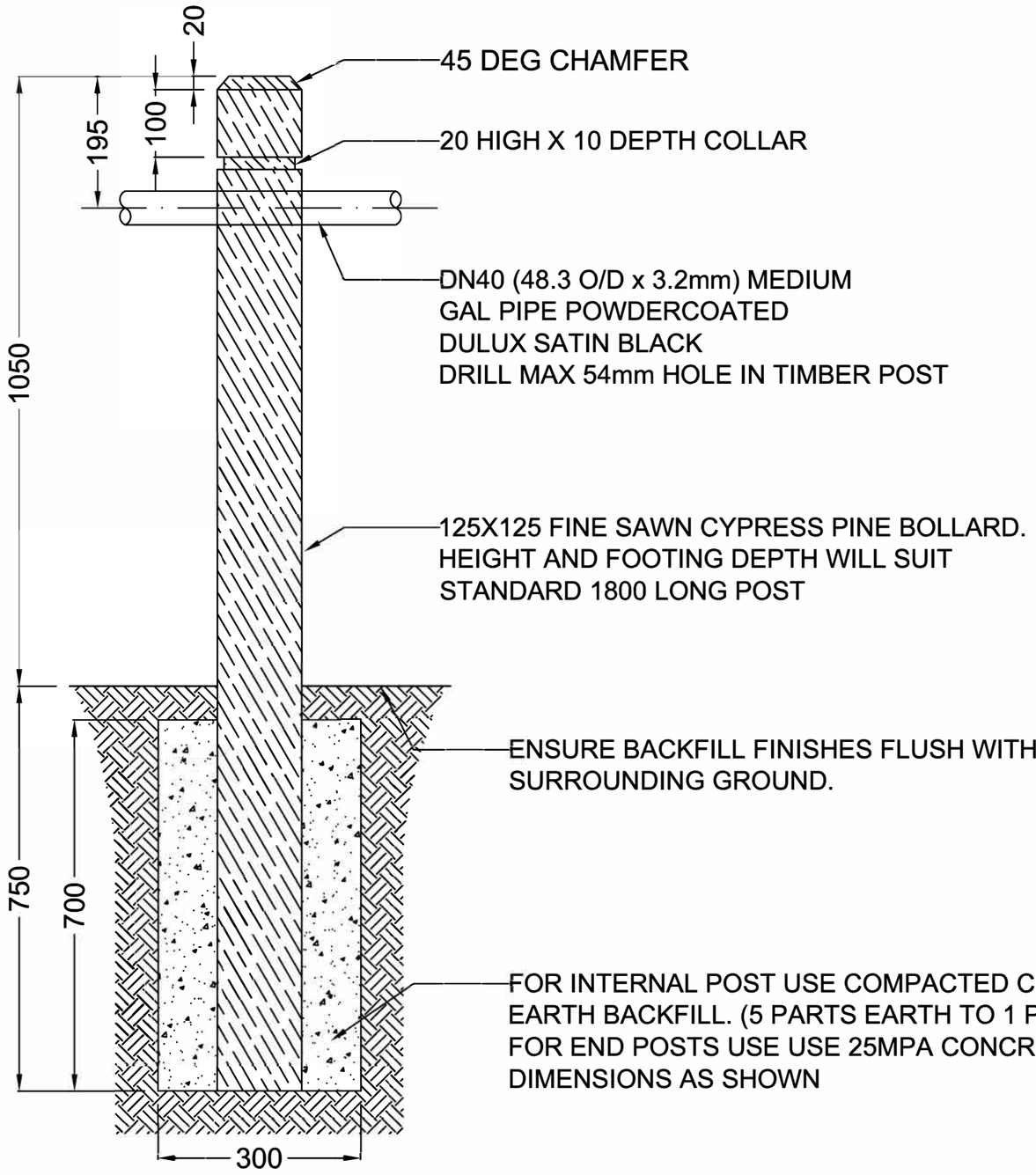
GREATER DANDENONG

150 x 150 PARK PERIMETER
POST AND PIPE FENCE

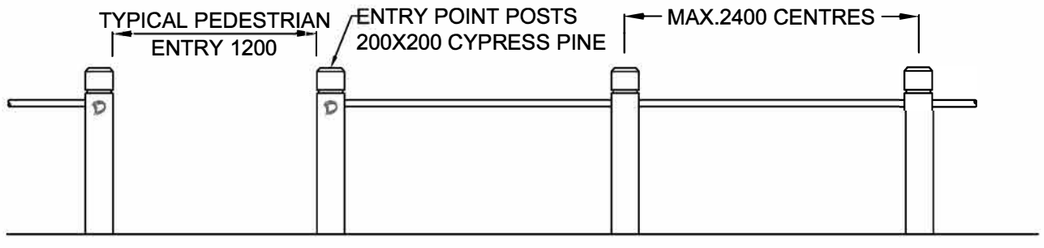
LAST UPDATED - MARCH 2017

INFRASTRUCTURE PLANNING

SD 719-A



ELEVATION



INSTALLATION ELEVATION

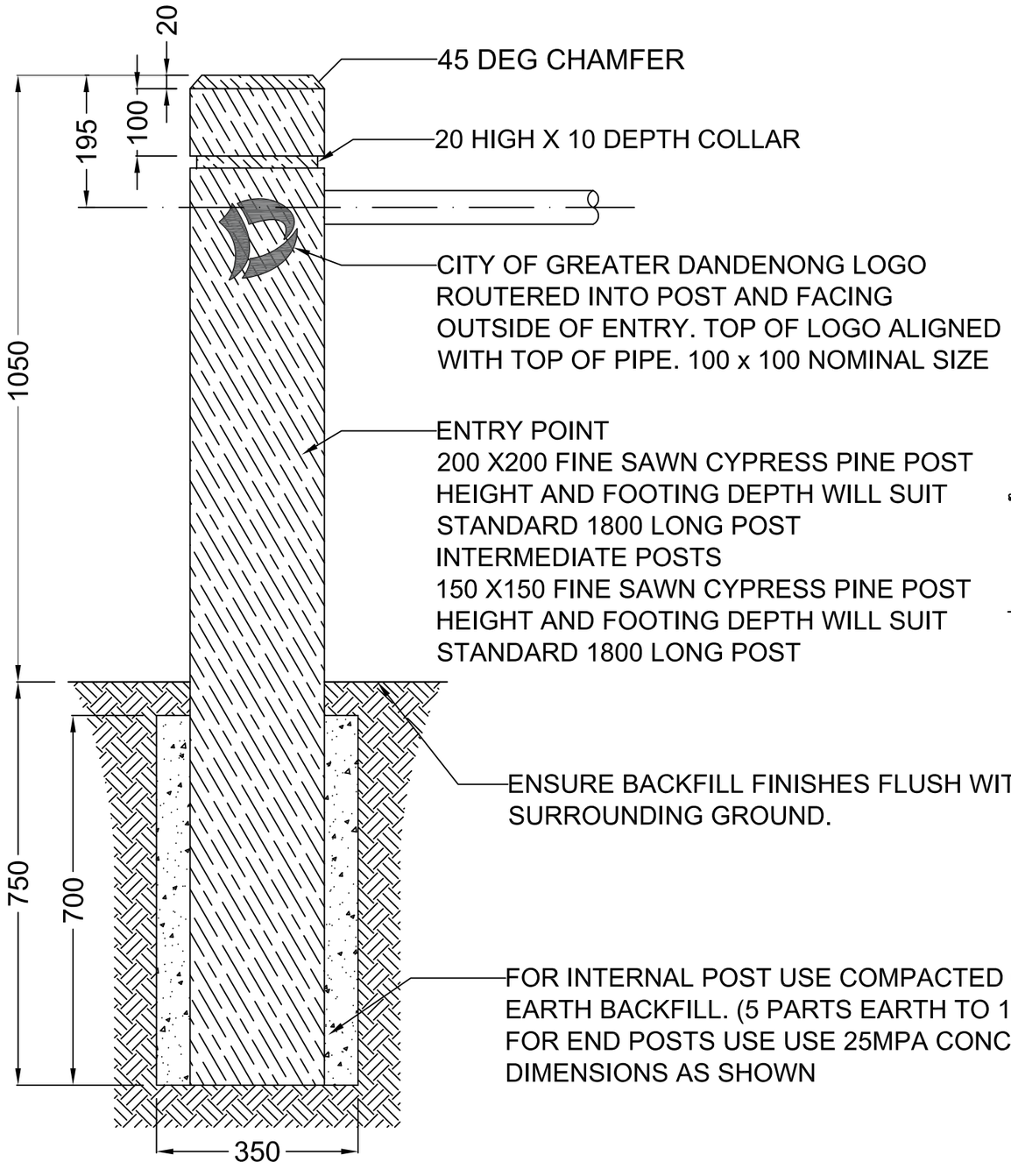
GREATER DANDENONG

125 x 125 OVAL PERIMETER
POST AND PIPE FENCE

LAST UPDATED - MARCH 2017

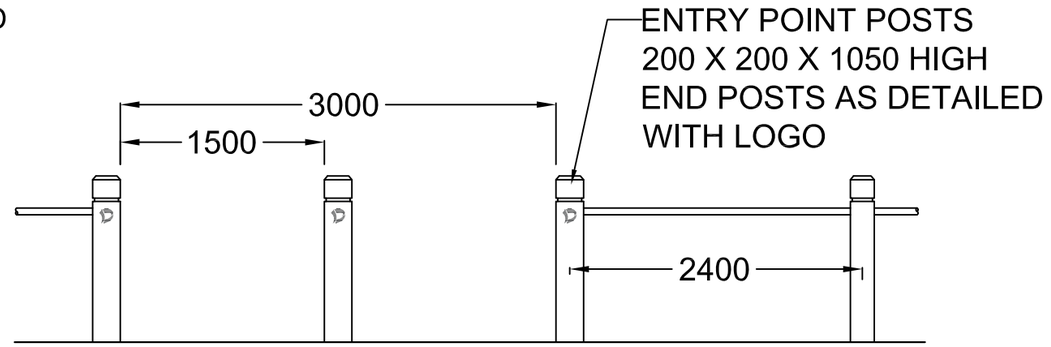
INFRASTRUCTURE PLANNING

SD 720-A



ELEVATION

NOTE:
SPECIFIC LEFT AND RIGHT SIDE POSTS WILL BE REQUIRED TO ENSURE LOGO FACES OUT AND PIPE INSERT IS ON CORRECT SIDE FOR EACH SIDE OF ENTRY



INSTALLATION ELEVATION

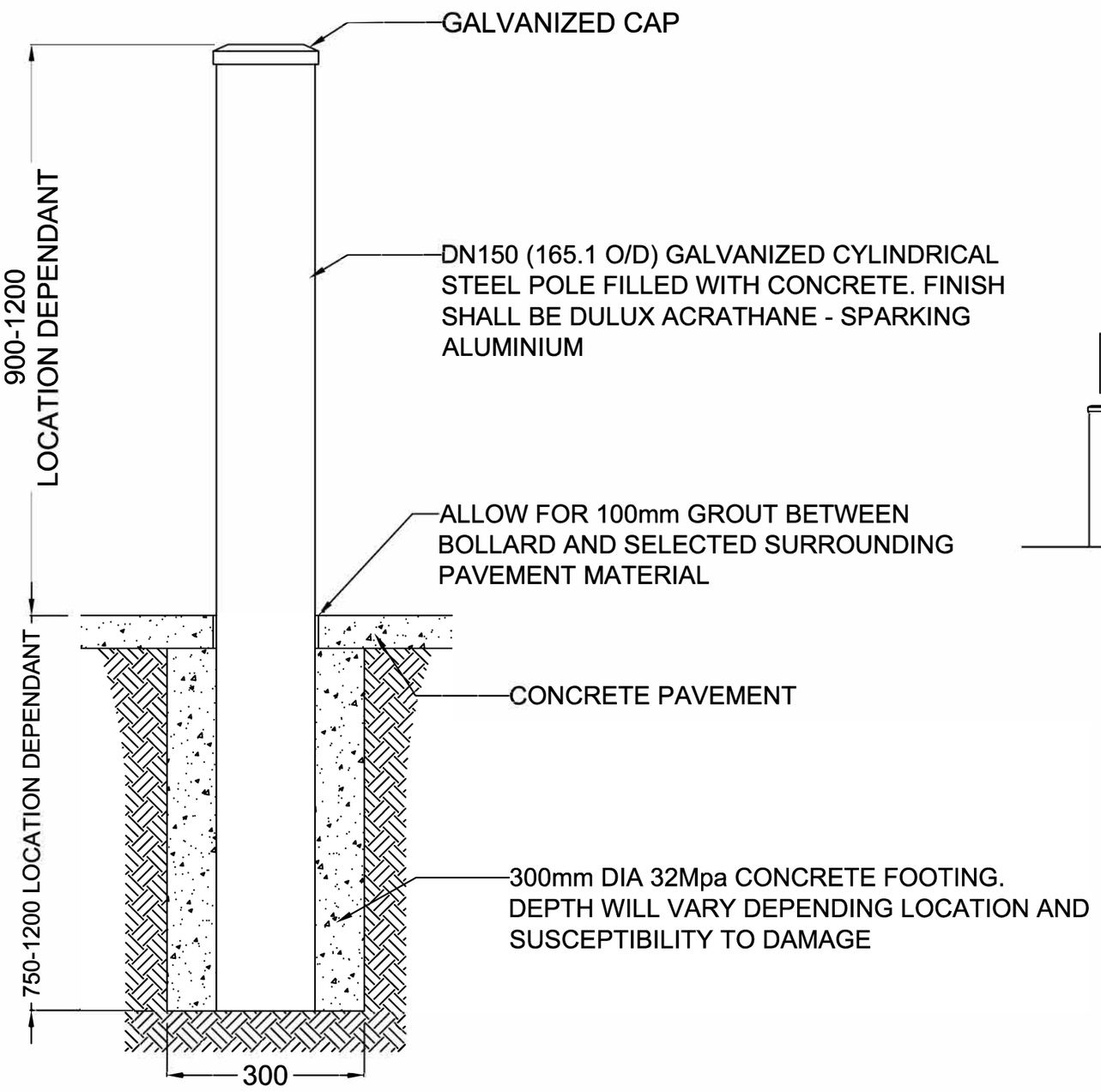
GREATER DANDENONG

200 x 200 KEY ENTRY POST/ END POST (WITH LOGO)
SUITS 150 X 150 POST AND PIPE FENCE

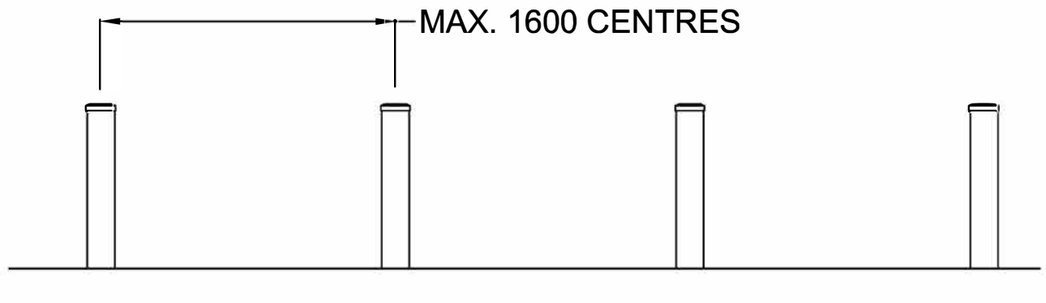
LAST UPDATED - MARCH 2017

INFRASTRUCTURE PLANNING

SD 721-A



ELEVATION



INSTALLATION ELEVATION

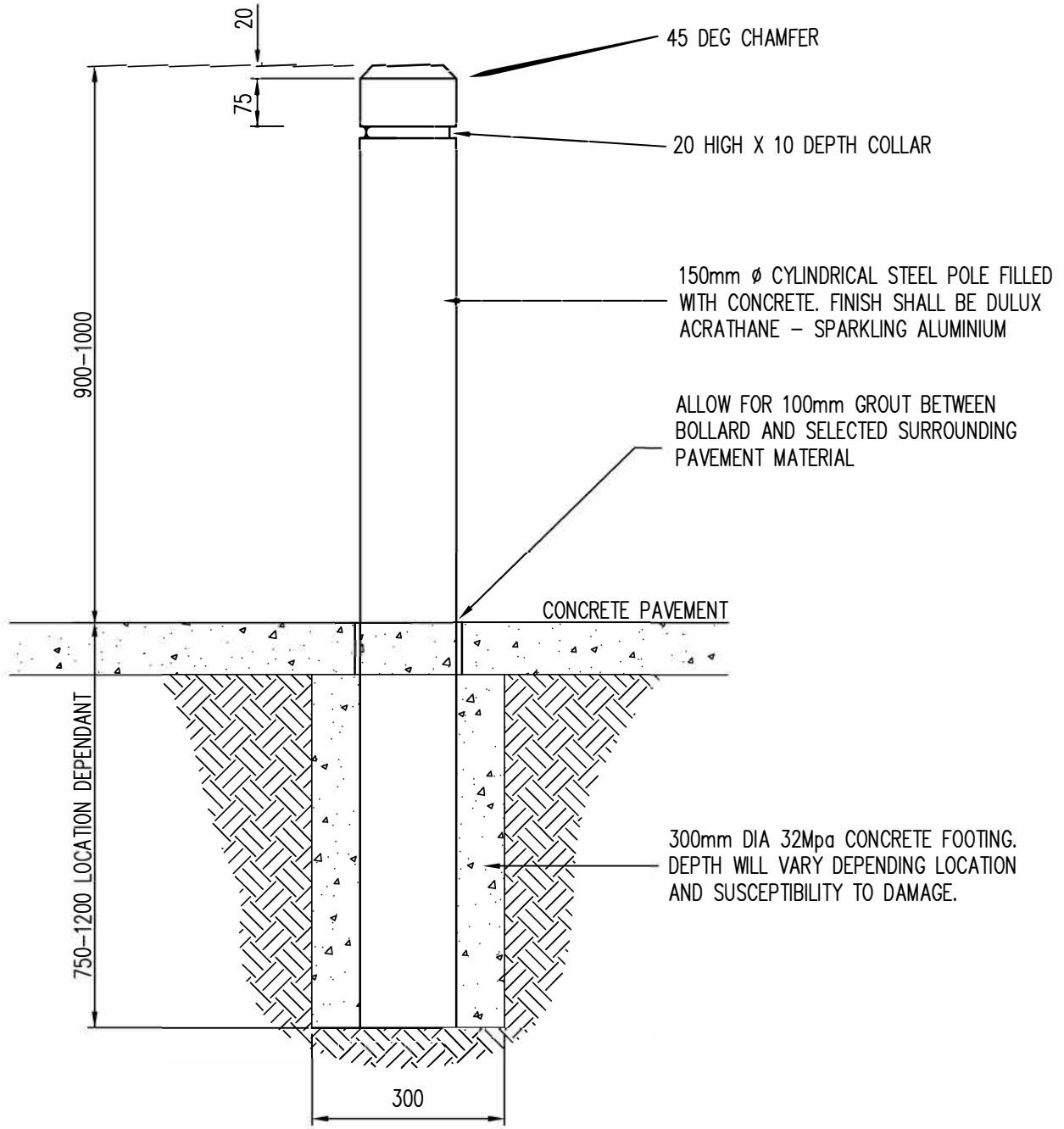
GREATER DANDENONG

CYLINDRICAL STEEL BOLLARD
150mm DIA. WITH REBATE COLLAR

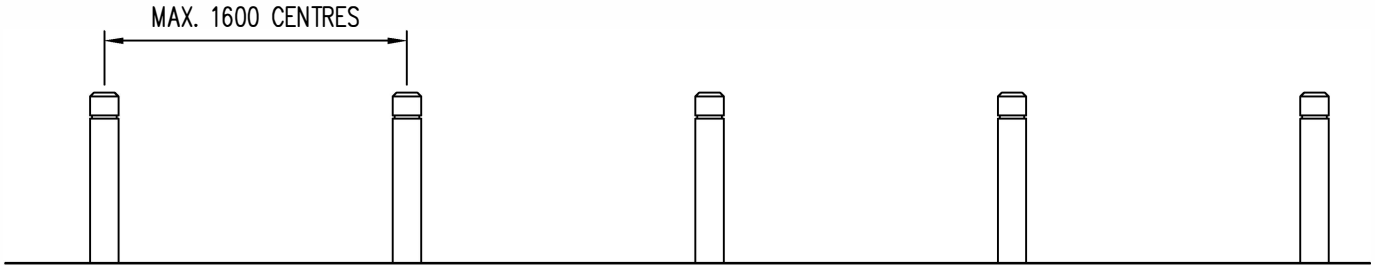
LAST UPDATED - MARCH 2017

INFRASTRUCTURE PLANNING

SD 722-A



ELEVATION
NOT TO SCALE



INSTALLATION ELEVATION
SCALE 1 : 50

GREATER DANDENONG

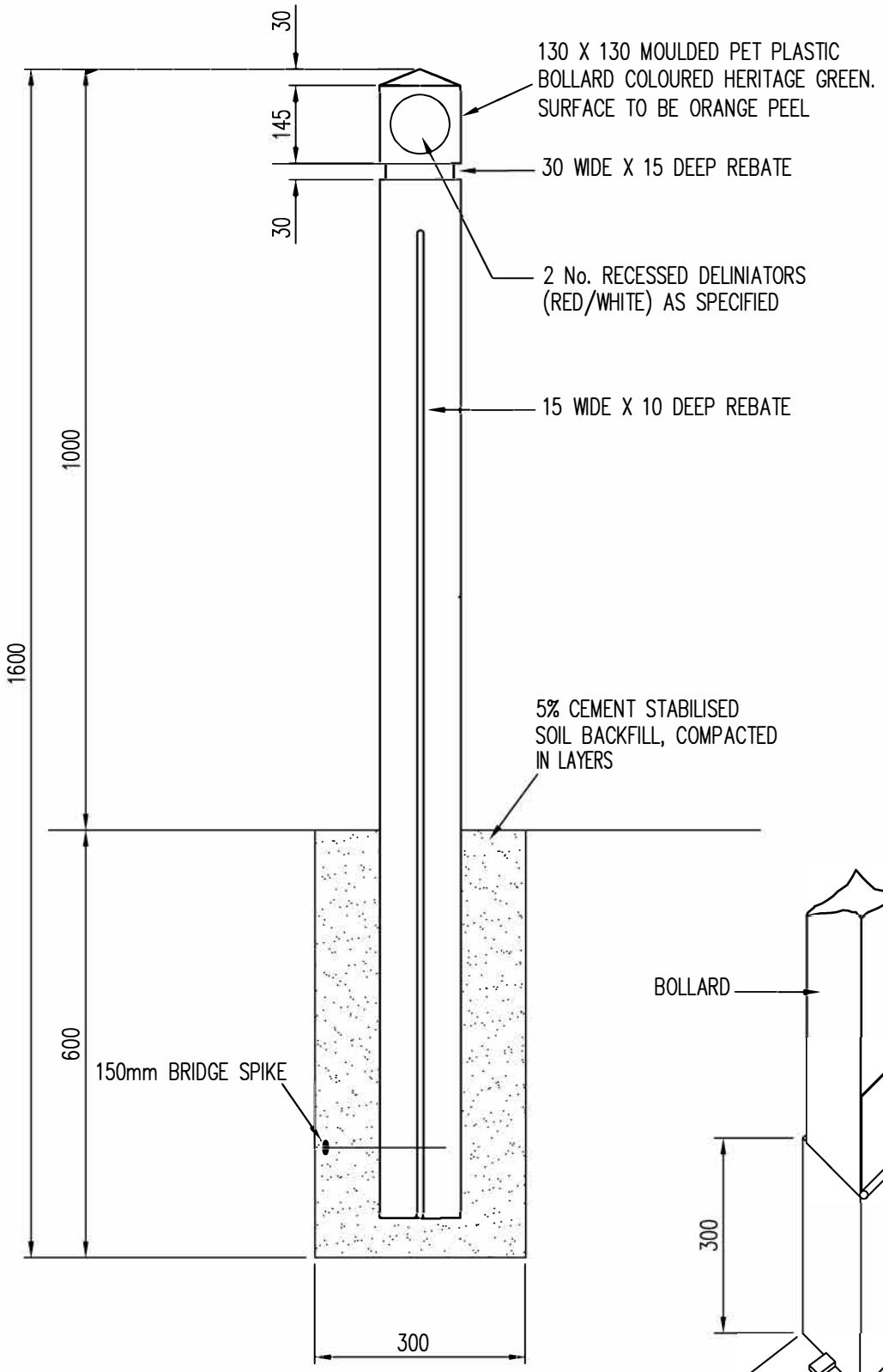
CYLINDRICAL STEEL BOLLARD

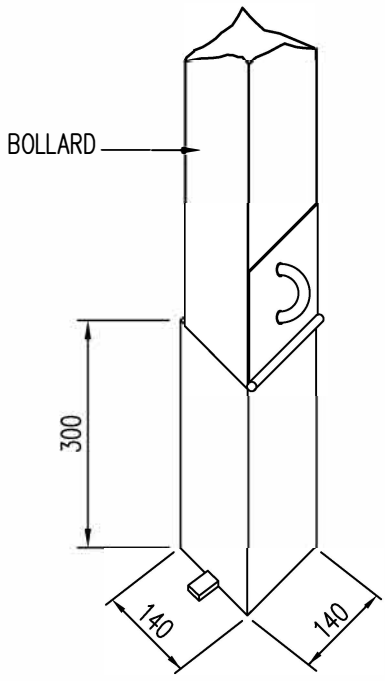
150mm DIA. WITH REBATE COLLAR

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 723–A





SLEEVE DETAIL

NOTE

WHERE BOLLARDS ARE TO BE INSTALLED IN CONCRETE PATHS OR OTHER LOCATIONS WHERE THEY MAY NEED TO BE REMOVED, A GALVANISED STEEL SLEEVE, 140 x 140mm IS TO BE USED – SEE DETAIL

GREATER DANDENONG

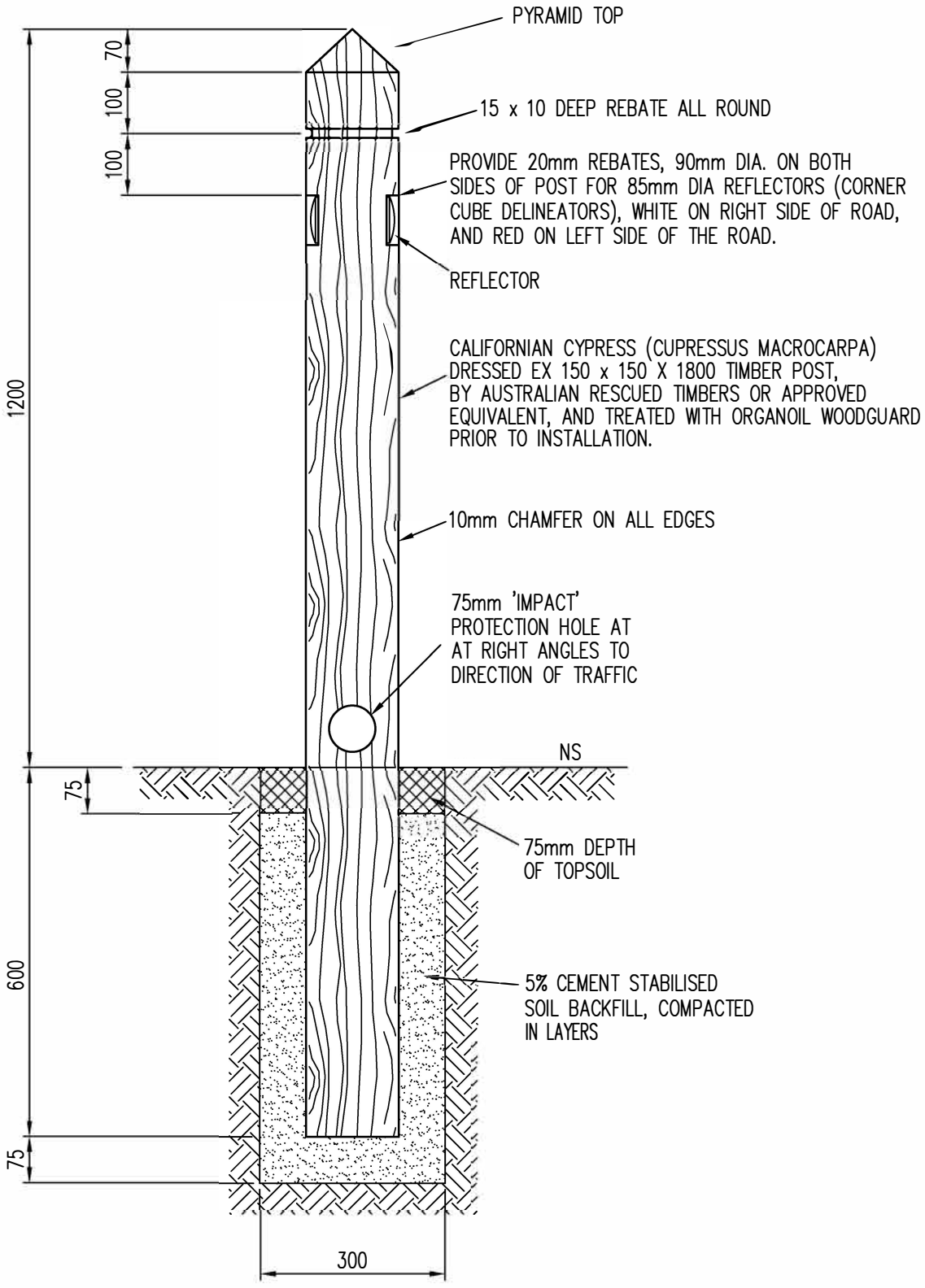
PLASTIC BOLLARD

RECYCLED PET PLASTIC

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 724–A



ELEVATION
SCALE 1 : 10

GREATER DANDENONG

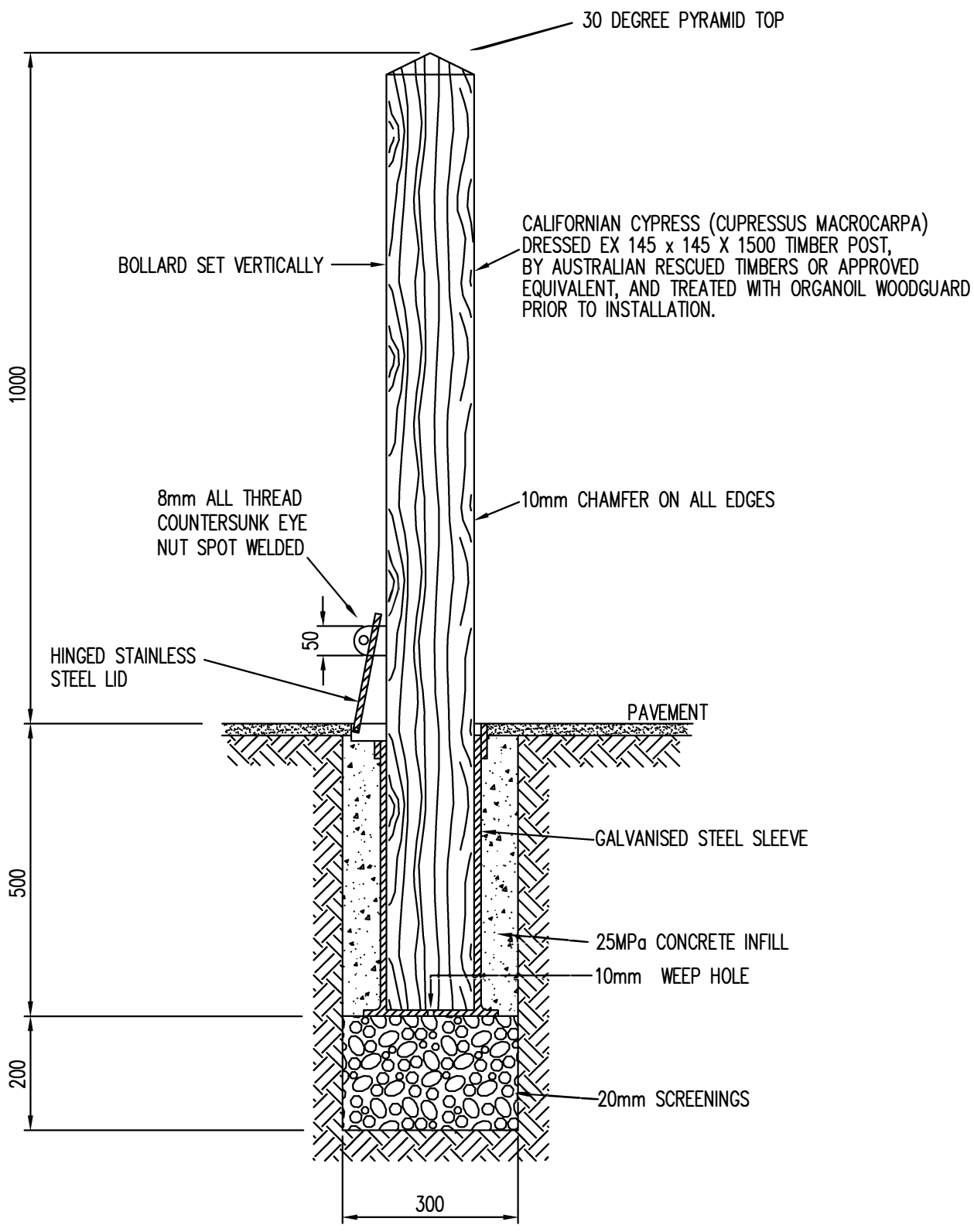
TIMBER BOLLARD

FOR USE IN TRAFFIC TREATMENTS

LAST UPDATED – SEPTEMBER 2014

INFRASTRUCTURE PLANNING

SD 725–A



ELEVATION

NOT TO SCALE

NOTE: THIS POST IS ALSO SUITABLE FOR USE AT SCHOOL CROSSINGS WITH THE DIMENSIONS 125 x 125 x 1800 LONG (600 IN GROUND)

	GREATER DANDENONG	LAST UPDATED – SEPTEMBER 2014
	TIMBER BOLLARD REMOVEABLE	INFRASTRUCTURE PLANNING SD 726–A

STATUS

LEGEND							
	TELSTRA POLE		FIRE HYDRANT	—E—	U/GROUND POWER CABLE		PROPOSED KERB AND CHANNEL
	TELSTRA PIT		WATER STOP VALVE		OVERHEAD POWER CABLE		EXISTING KERB AND CHANNEL
	PHONE BOX		GAS VALVE		EXISTING DRAINAGE		TREE
	POWER POLE		SEWER MANHOLE		PROPOSED DRAINAGE		TREE TO BE REMOVED
	LIGHT POLE	—W—	WATER MAIN		PIT NUMBER		PERMANENT SURVEY MARK
	LANTERN	—G—	GAS MAIN	--HD--	PROPOSED HOUSE DRAIN		
	UNDERGROUND POWER PIT	—T—	U/GROUND TELSTRA CABLE		EXISTING HOUSE DRAIN		
	FIRE PLUG	—S—	SEWER MAIN	P.I.	PROPOSED PROPERTY INLET		

NO.	DATE	BY	DRAWING REVISION DETAILS
H			
G			
F			
E			
D			
C			
B			
A			

DRAWINGS APPROVED

TEAM LEADER TRAFFIC & ROAD SAFETY ____________

CONSTRUCTION PROJECT MANAGER ____________

CHECKED BY CIVIL DESIGN CO-ORDINATOR ____________

TEAM LEADER CIVIL DEVELOPMENT & DESIGN ____________

CITY OF GREATER DANDENONG

ADDRESS
ADDRESS
PROJECT
SHEET
SHEET

DATUM:	DATUM
SCALE AT A1:	SCALE
DATE OF PLAN:	DATE
MELWAYS REF:	MELWAYS

SHEET No. NO OF TOT

PLAN REF No.	REV
PLAN-NO	A