

# STANDARD CIVIL ENGINEERING CONSTRUCTION DETAILS

PREPARED BY CITY OF PORT ADELAIDE ENFIELD  
CITY ASSETS DEPARTMENT

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STANDARD DETAIL  
DRAWING INDEX

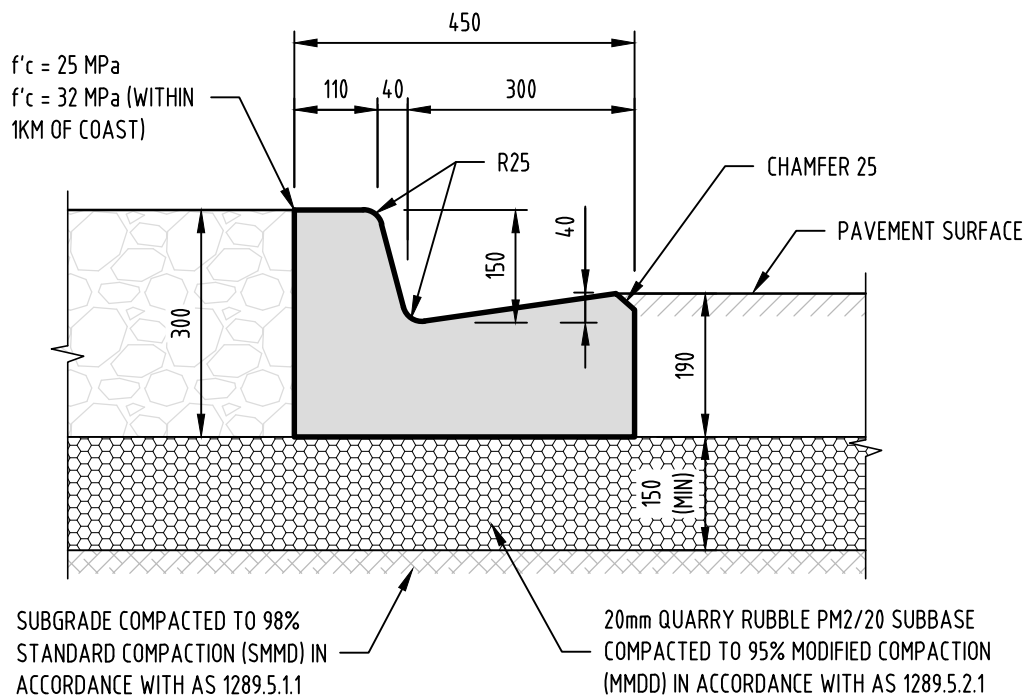


CITY OF  
Port Adelaide Enfield

File Name

SK1000

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Revision	D

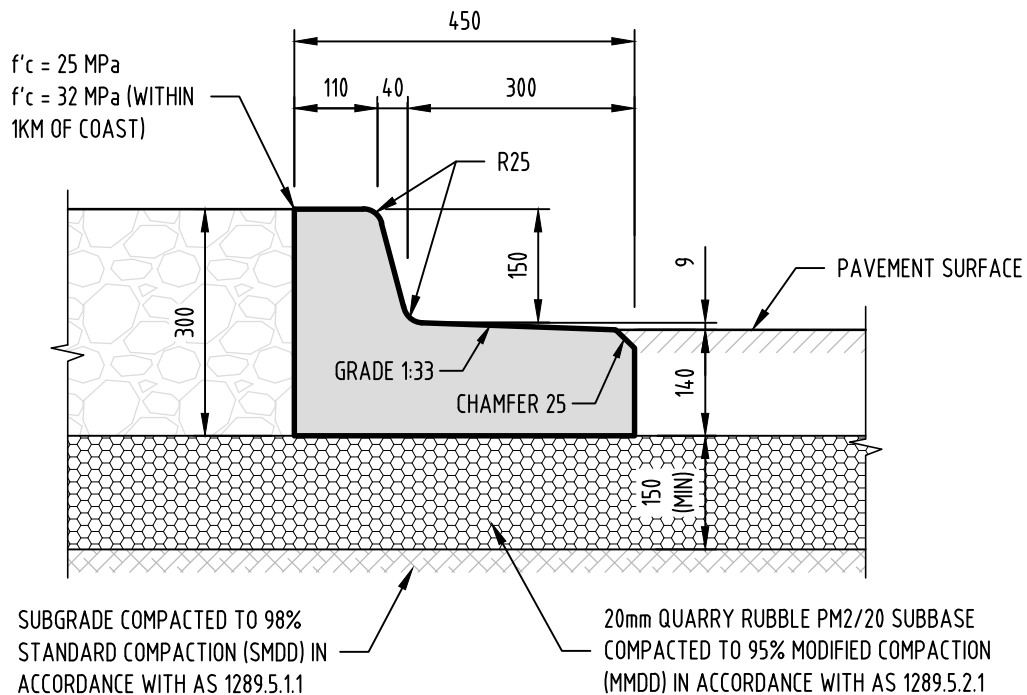


## UPRIGHT KERB AND GUTTER

SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000



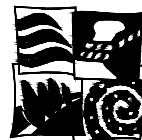
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SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

STANDARD DETAIL  
 UPRIGHT KERB AND GUTTER  
 UPRIGHT KERB AND TRAY

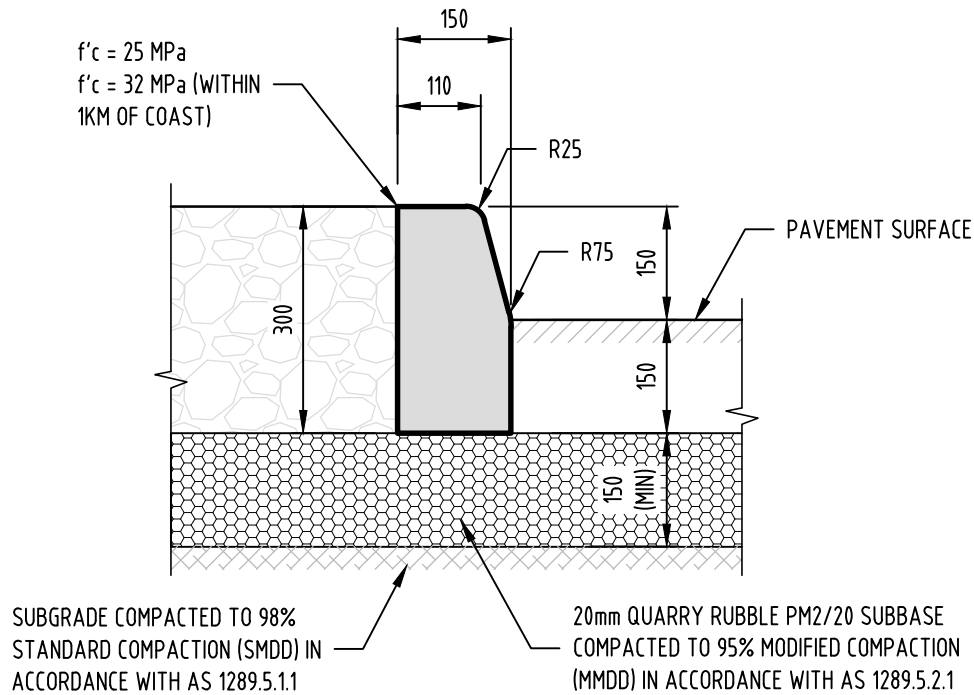


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SK1001

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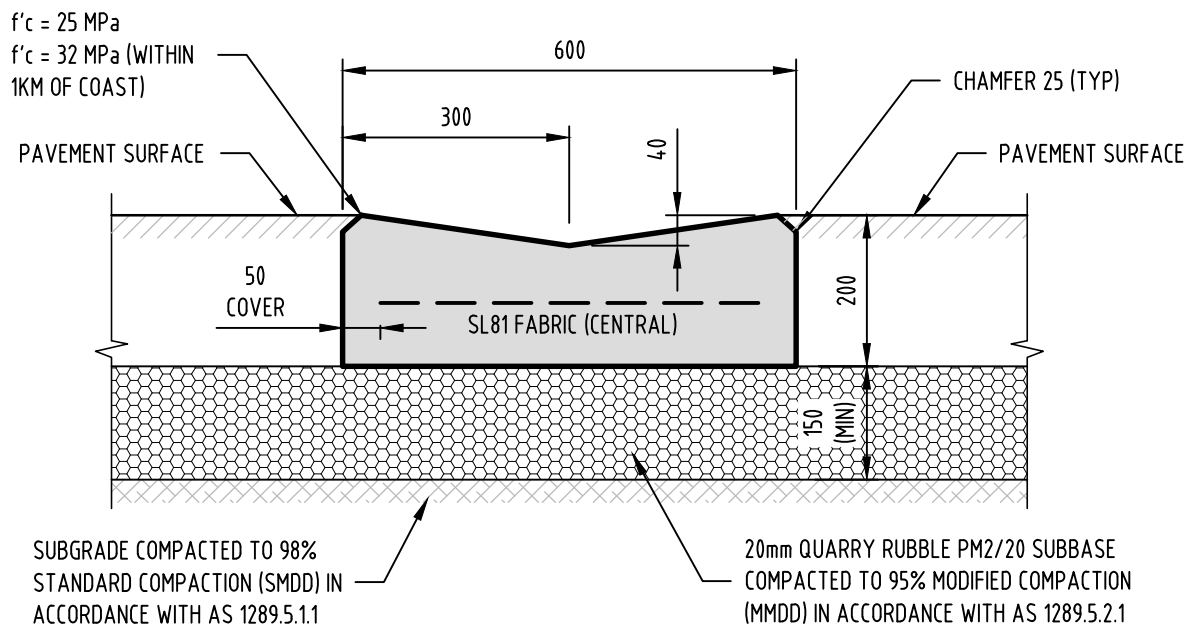


## UPRIGHT KERB

SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000



## CONCRETE SPOON DRAIN

SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

STANDARD DETAIL  
 UPRIGHT KERB  
 CONCRETE SPOON DRAIN

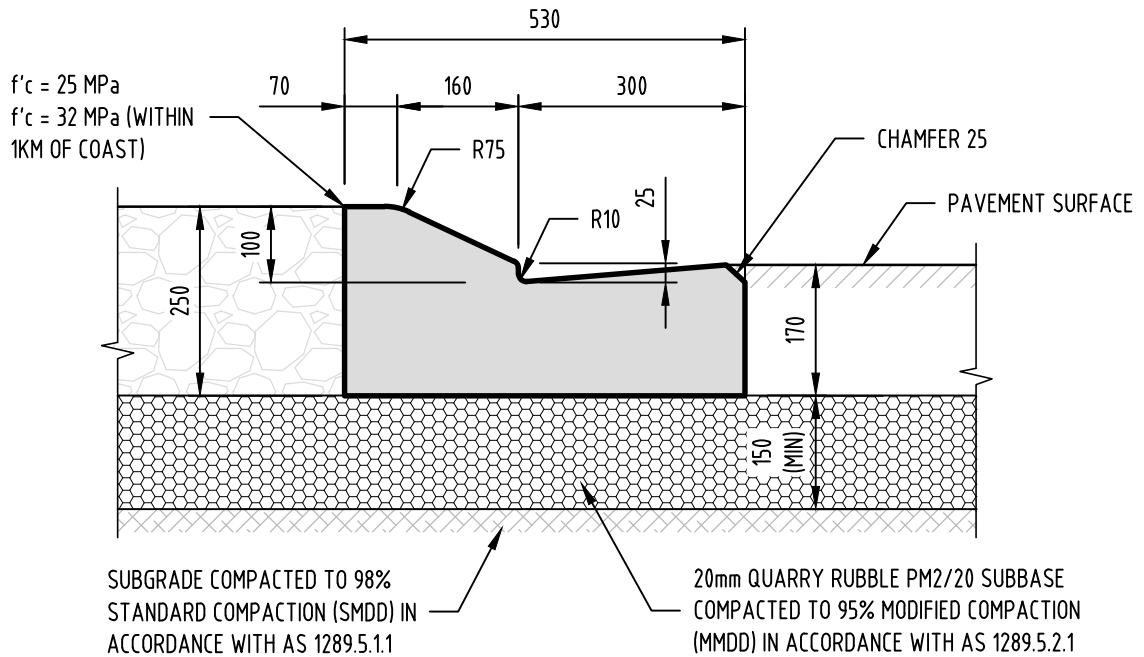


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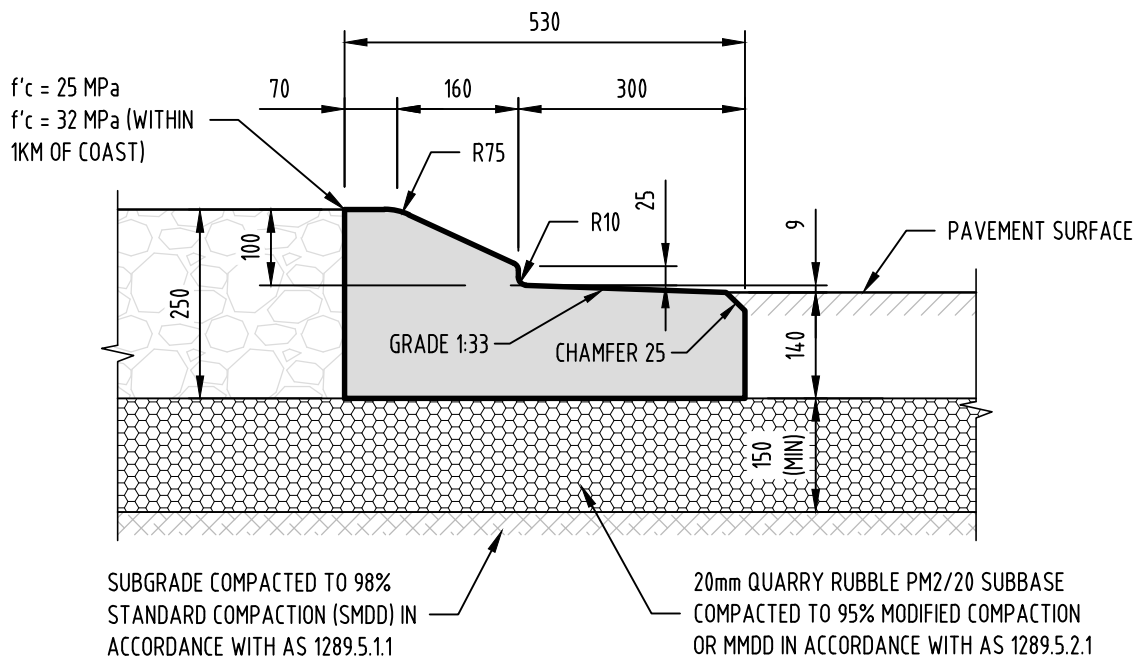


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TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000



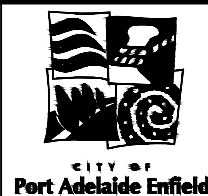
## ROLLOVER KERB AND TRAY

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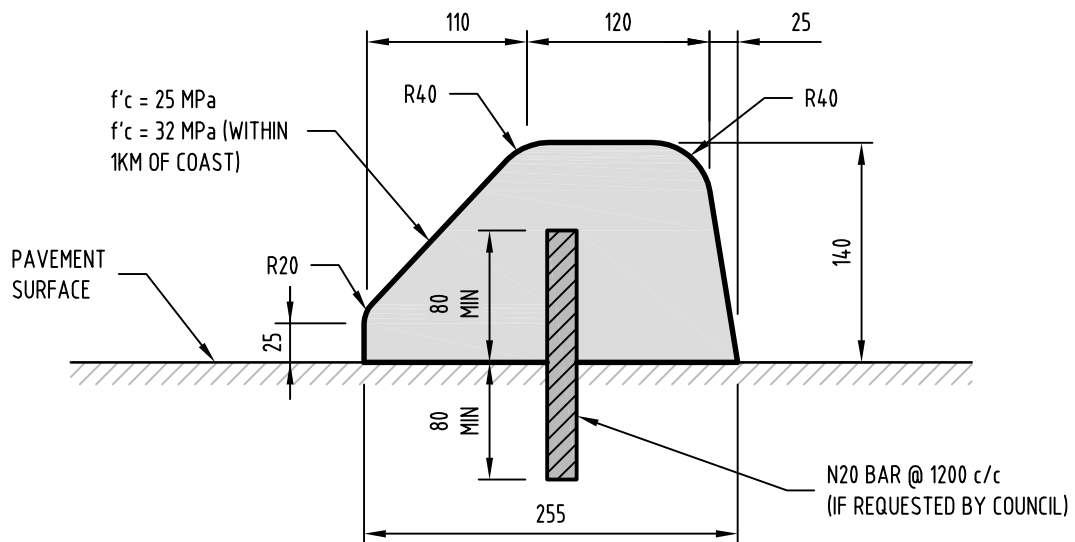
TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

STANDARD DETAIL  
 ROLLOVER KERB AND GUTTER  
 ROLLOVER KERB AND TRAY



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SK1003	
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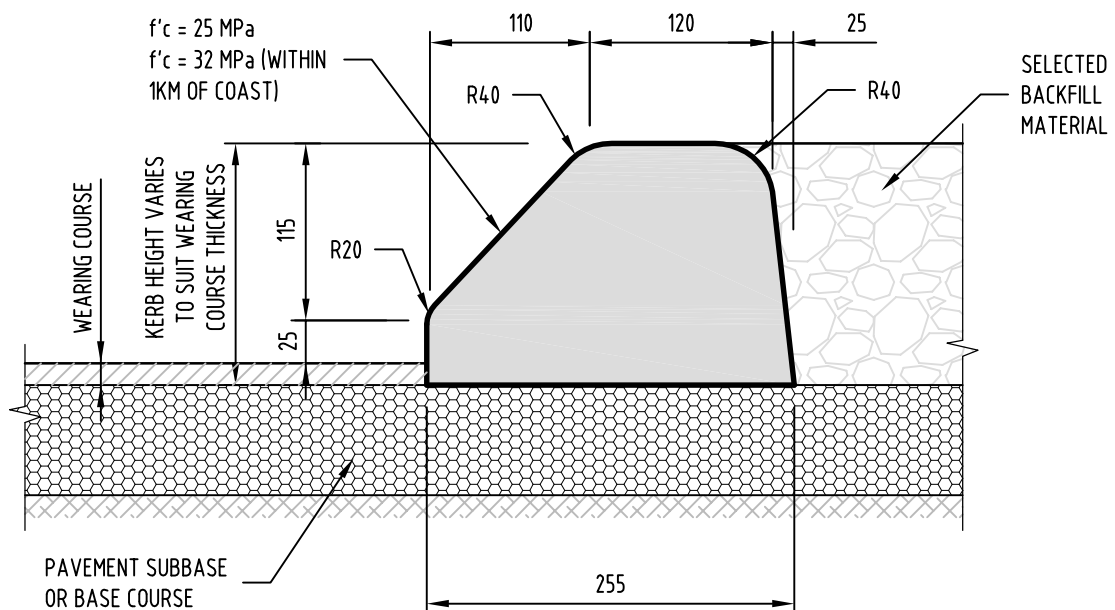


## STANDARD PROTUBERANCE KERB (ON ASPHALT)

SCALE: 1:5

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000



## STANDARD PROTUBERANCE KERB (ON RUBBLE)

SCALE: 1:5

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

STANDARD DETAIL

STANDARD PROTUBERANCE KERB (ON ASPHALT)

STANDARD PROTUBERANCE KERB (ON RUBBLE)

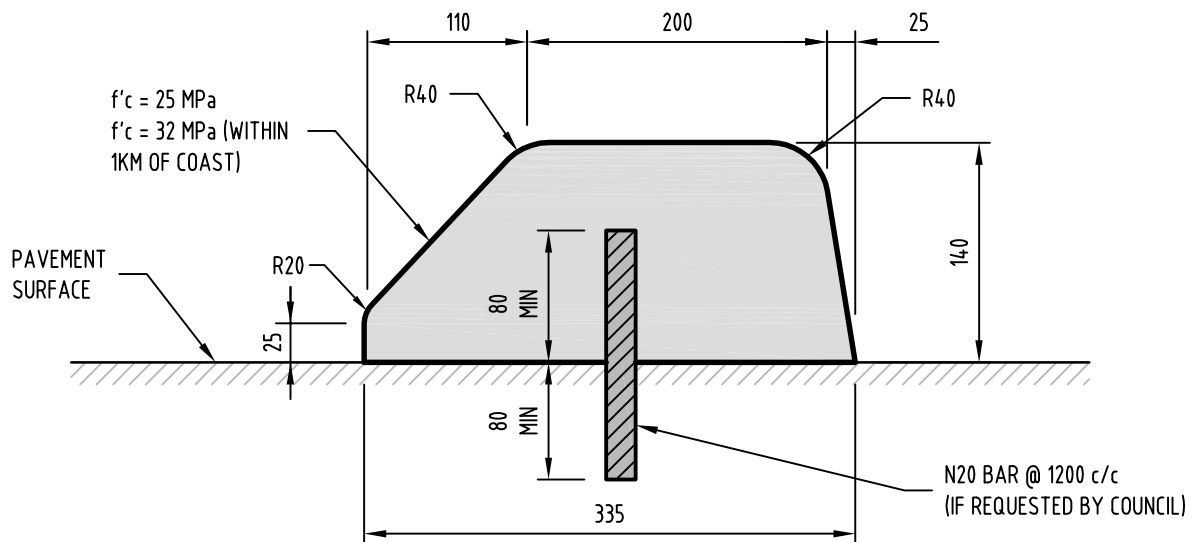


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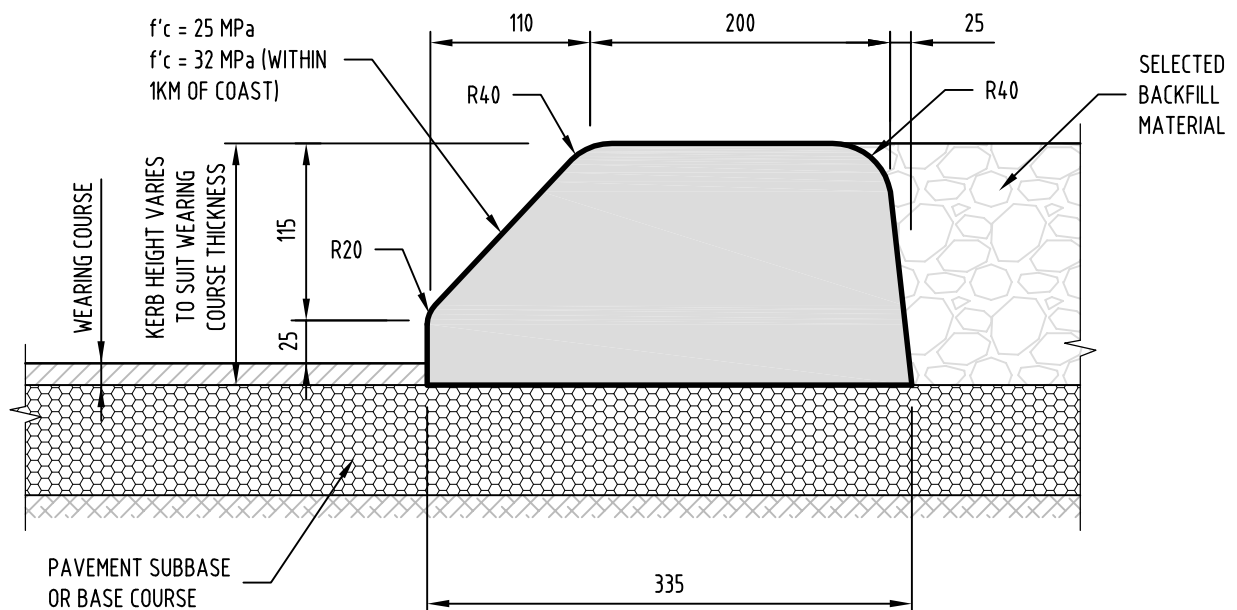


## OVERSIZE PROTUBERANCE KERB (ON ASPHALT)

SCALE: 1:5

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000



## OVERSIZE PROTUBERANCE KERB (ON RUBBLE)

SCALE: 1:5

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

STANDARD DETAIL  
OVERSIZE PROTUBERANCE KERB (ON ASPHALT)  
OVERSIZE PROTUBERANCE KERB (ON RUBBLE)

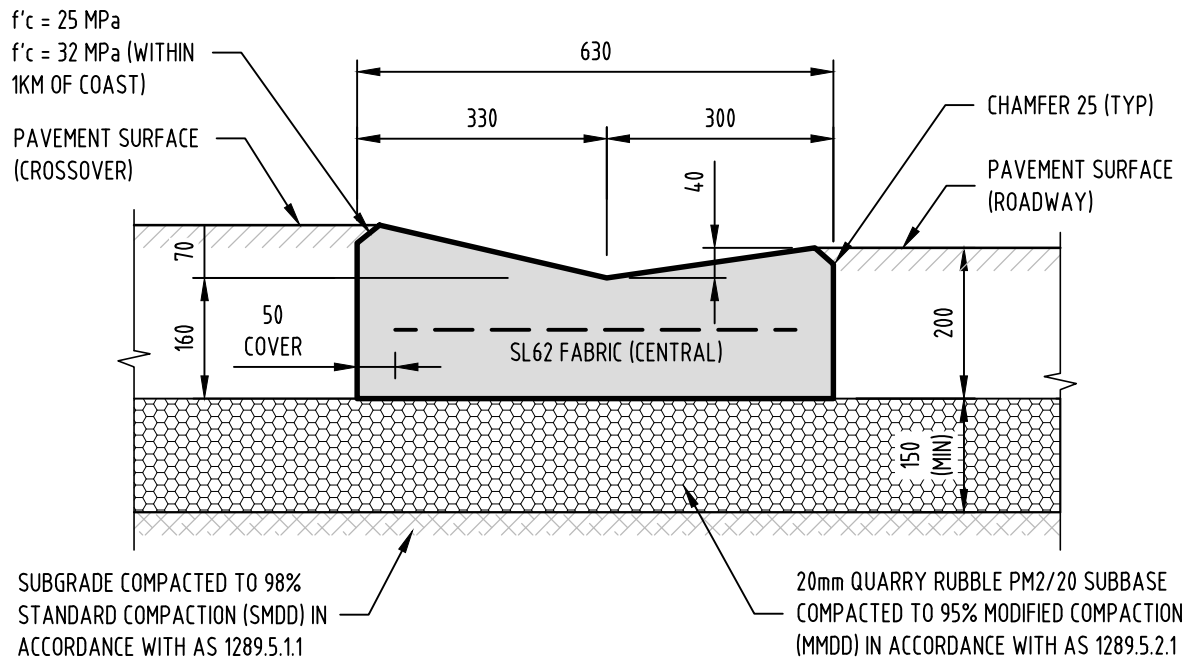


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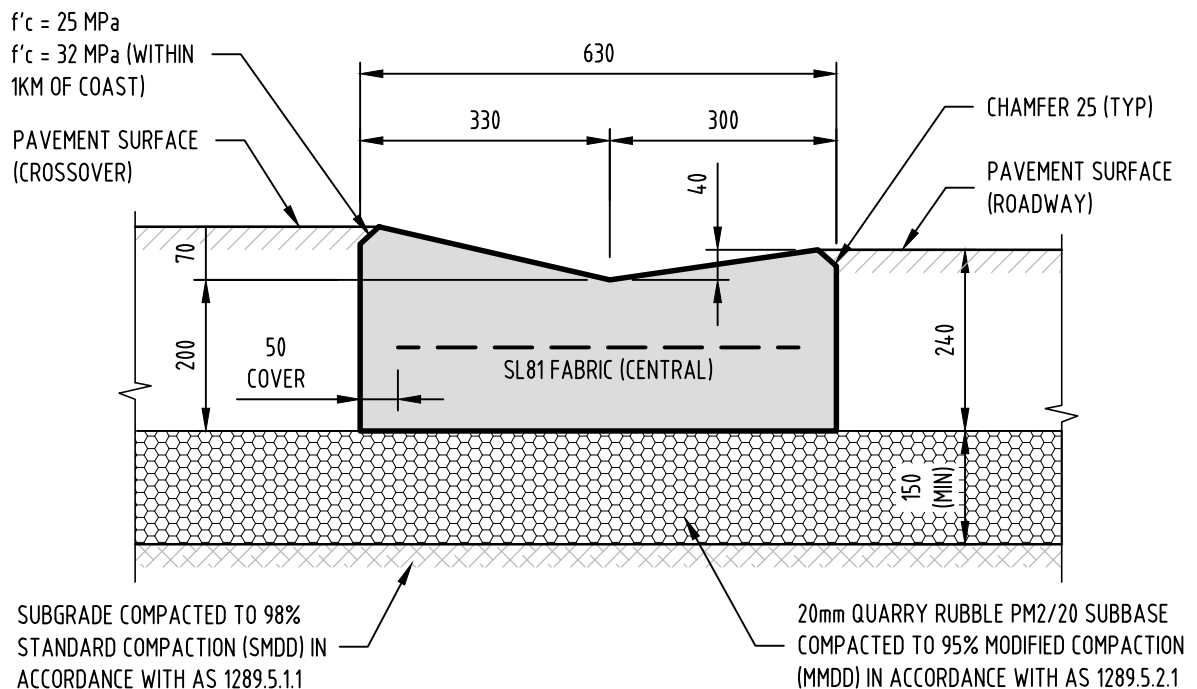
## DRIVEWAY CROSSOVER INVERT (RESIDENTIAL)

SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

DETAIL TO BE READ IN CONJUNCTION WITH STANDARD DETAILS SK1007, SK1008, SK1009, SK1010



## DRIVEWAY CROSSOVER INVERT (INDUSTRIAL)

SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c

ALL KERBING TO COMPLY WITH AS 2876:2000

DETAIL TO BE READ IN CONJUNCTION WITH STANDARD DETAILS SK1007, SK1008, SK1009, SK1010

### STANDARD DETAIL

DRIVEWAY CROSSOVER INVERT (RESIDENTIAL)  
 DRIVEWAY CROSSOVER INVERT (INDUSTRIAL)

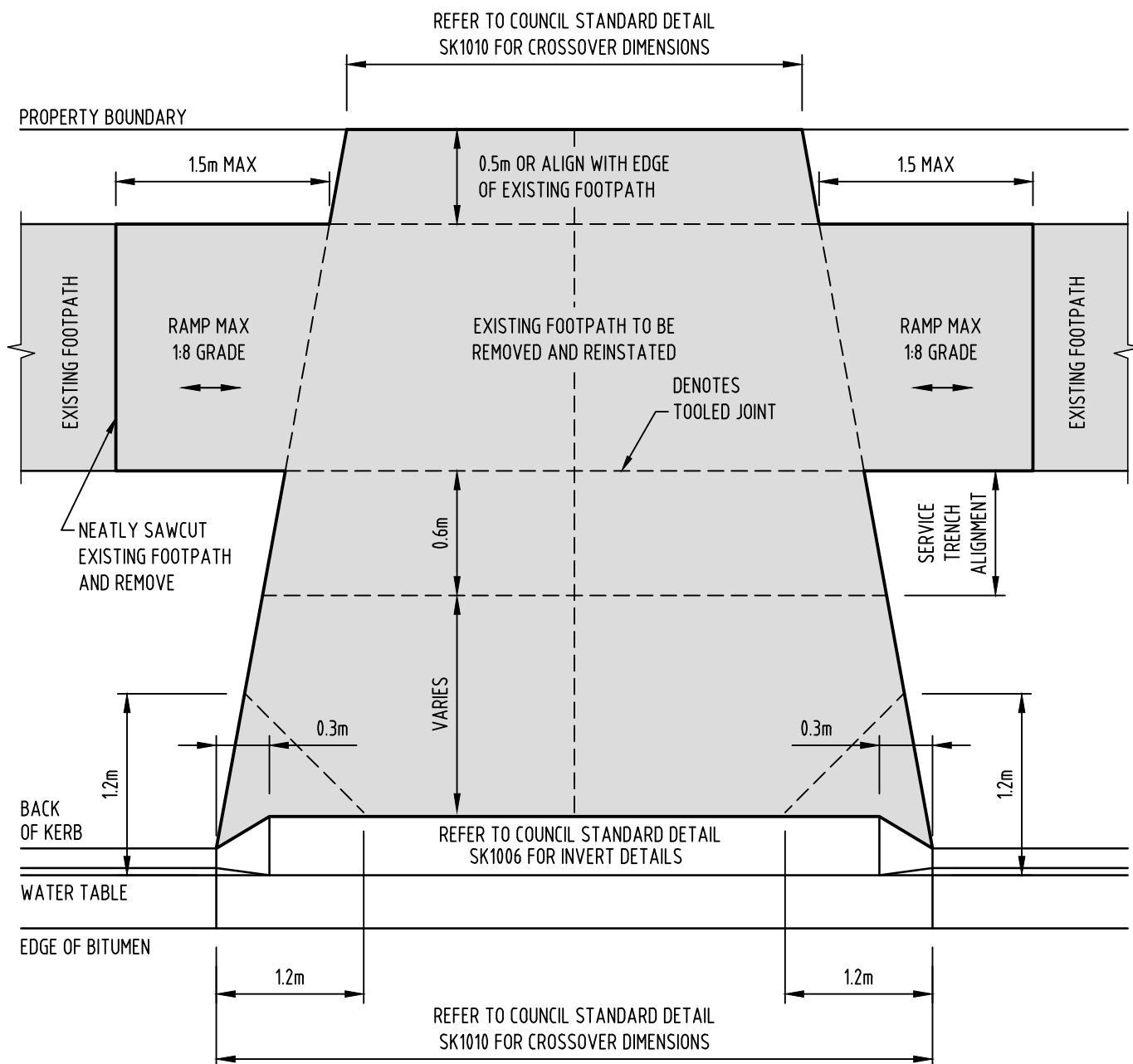


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SK1006

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## DRIVEWAY CROSSOVER LAYOUT (CONCRETE)

SCALE: N.T.S.

DETAIL TO BE READ IN CONJUNCTION WITH STANDARD DETAILS SK1006, SK1009, SK1010

### NOTES:

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH DRIVEWAY CROSSOVER SPECIFICATION AVAILABLE FROM COUNCILS CITY ASSETS DEPARTMENT.

## STANDARD DETAIL DRIVEWAY CROSSOVER LAYOUT (CONCRETE)



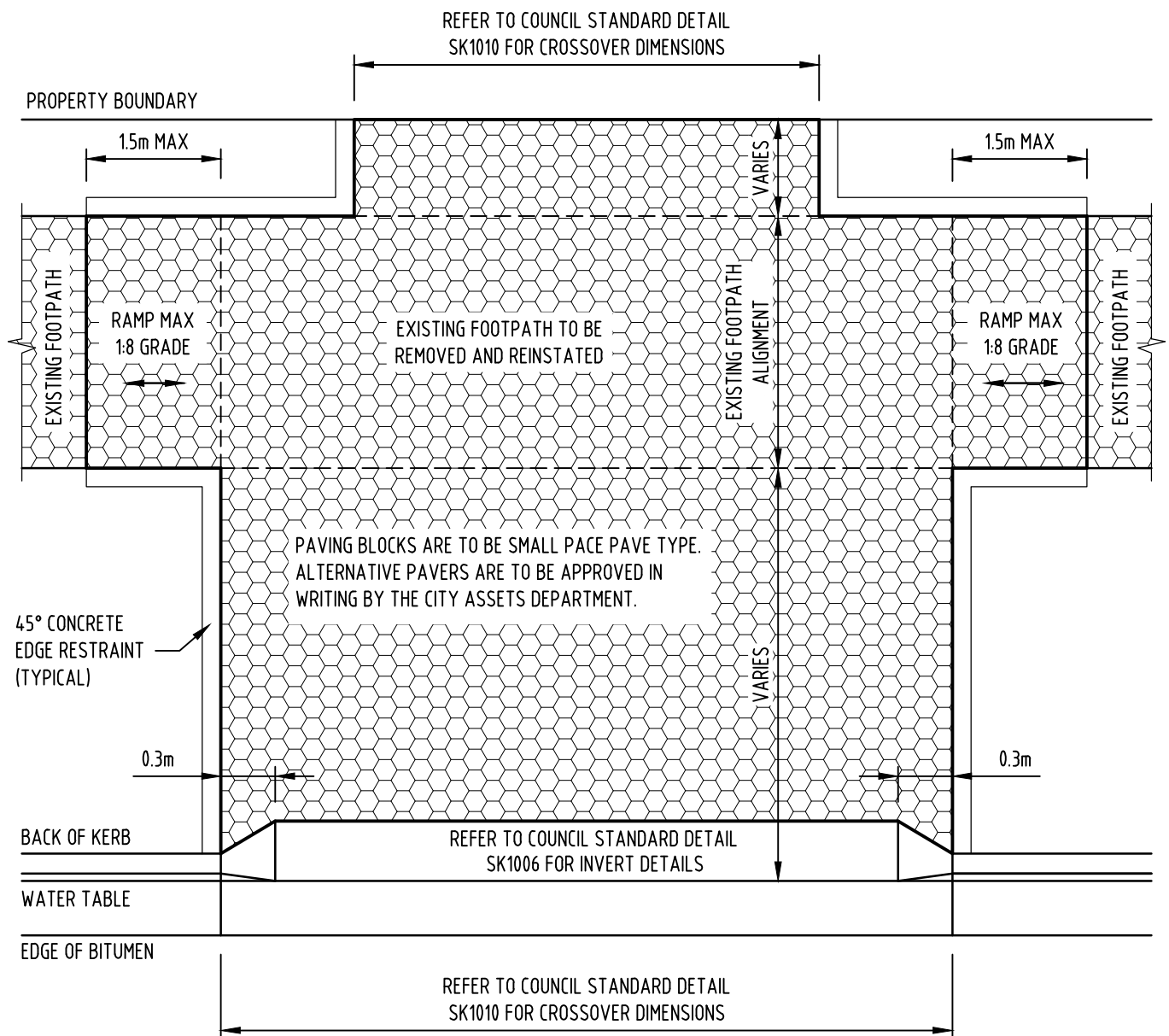
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Port Adelaide Enfield

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SK1007

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Revision	D





## DRIVEWAY CROSSOVER LAYOUT (BLOCK PAVED)

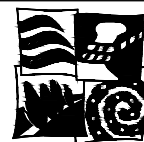
SCALE: N.T.S.

DETAIL TO BE READ IN CONJUNCTION WITH STANDARD DETAILS SK1006, SK1009, SK1010

### NOTES:

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH DRIVEWAY CROSSOVER SPECIFICATION AVAILABLE FROM COUNCIL'S CITY ASSETS DEPARTMENT.

## STANDARD DETAIL DRIVEWAY CROSSOVER LAYOUT (BLOCK PAVED)

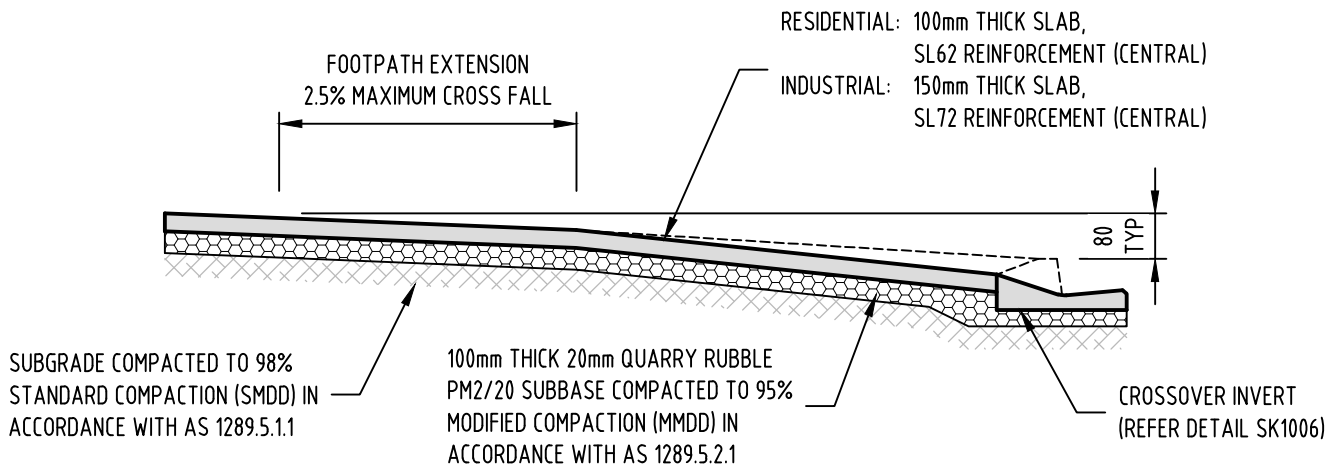


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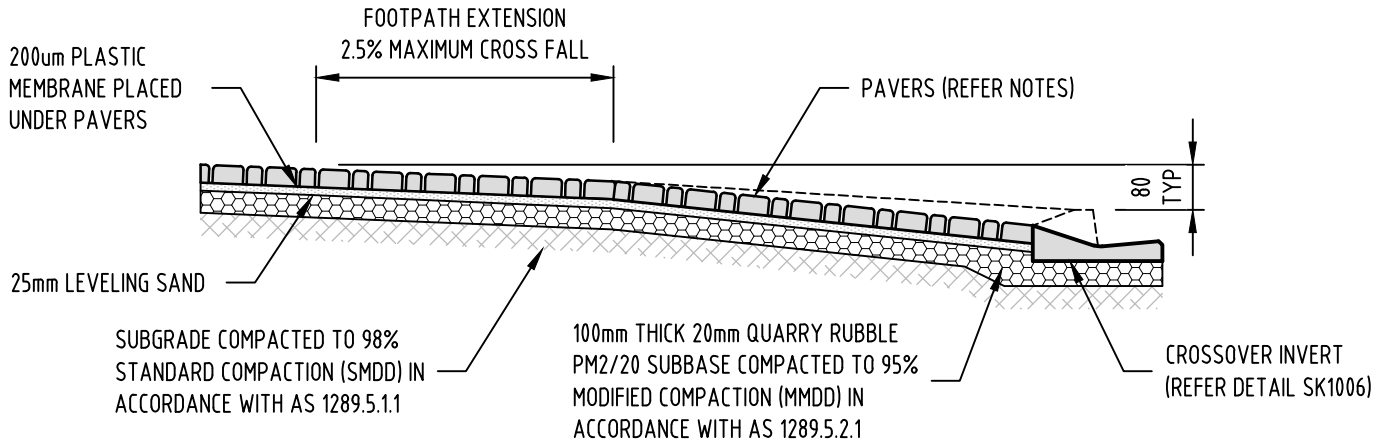
## DRIVEWAY CROSSOVER SECTION (CONCRETE)

SCALE: N.T.S.

DETAIL TO BE READ IN CONJUNCTION WITH STANDARD DETAILS SK1006, SK1008, SK1010

### NOTE:

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH DRIVEWAY CROSSOVER SPECIFICATION AVAILABLE FROM COUNCILS CITY ASSETS DEPARTMENT
2. BEFORE CONSTRUCTING DRIVEWAY CROSSOVERS CITY ASSETS SHOULD BE CONTACTED AS EXISTING LEVELS MAY NOT BE FINAL. FAILURE TO COMPLY MAY RESULT IN ADDITIONAL EXPENSE TO THE OWNER
3. CONCRETE SPECIFICATIONS AS FOLLOWS:
  - a) NOMINAL 4:2:1 MIX
  - b)  $f'c = 25 \text{ MPa}$  MINIMUM,  $f'c = 32 \text{ MPa}$  (WITHIN 1KM OF COASTAL AREA)
  - c) 80mm MAXIMUM SLUMP USING ORDINARY PORTLAND CEMENT
  - d) MAXIMUM AGGREGATE SIZE OF 14mm
3. PROTECTION TO BE GIVEN FROM THE SUN AND DAMAGE DURING THE FIRST SEVEN DAYS OF CURING.
4. CONCRETE TO BE REINFORCED WITH STEEL FABRIC PLACED 50mm FROM TOPSIDE.
5. PREFABRICATED CONCRETE BLOCKS TO BE USED TO SUPPORT MESH.



## DRIVEWAY CROSSOVER SECTION (BLOCK PAVED)

SCALE: N.T.S.

DETAIL TO BE READ IN CONJUNCTION WITH STANDARD DETAILS SK1006, SK1008, SK1010

### NOTE:

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH DRIVEWAY CROSSOVER SPECIFICATION AVAILABLE FROM COUNCILS CITY ASSETS DEPARTMENT
2. BEFORE CONSTRUCTING DRIVEWAY CROSSOVERS CITY ASSETS SHOULD BE CONTACTED AS EXISTING LEVELS MAY NOT BE FINAL. FAILURE TO COMPLY MAY RESULT IN ADDITIONAL EXPENSE TO THE OWNER
2. PAVING BLOCKS ARE TO BE 80mm TERRACOTTA/BRAZILIAN BROWN SMALL PACE PAVE COLOUR. ALTERNATIVE PAVERS ARE TO BE APPROVED IN WRITING BY CITY ASSETS DEPARTMENT.
3. SEGMENTED PAVERS ARE TO HAVE THE FOLLOWING CHARACTERISTICS PER AS/NZS 4456; BREAKING LOAD TO 5kN, FLEXURAL STRENGTH TO 3 MPa, ABRASION RESISTANCE TO BE 3.5 AND SLIP RESISTANCE TO BE 0.4 AS PER AS/NZS 3661.

## STANDARD DETAIL

DRIVEWAY CROSSOVER SECTION (CONCRETE)  
DRIVEWAY CROSSOVER SECTION (BLOCK PAVED)



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SK1009

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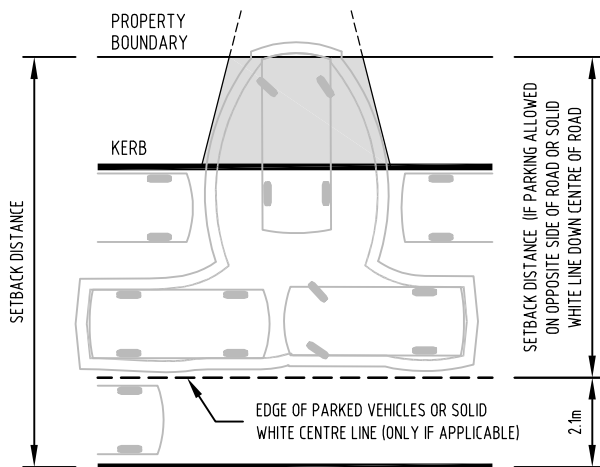
## CALCULATING CROSSOVER DIMENSION:

TO DETERMINE CROSSOVER DIMENSIONS THE MAXIMUM SETBACK DISTANCE A VEHICLE HAS TO TURN INTO A SITE MUST BE DETERMINED. THIS IS SHOWN AS THE SETBACK DISTANCE IN THE DIAGRAMS BELOW.

THE FOLLOWING STEPS MUST BE TAKEN TO DETERMINE CROSSOVER DIMENSIONS:

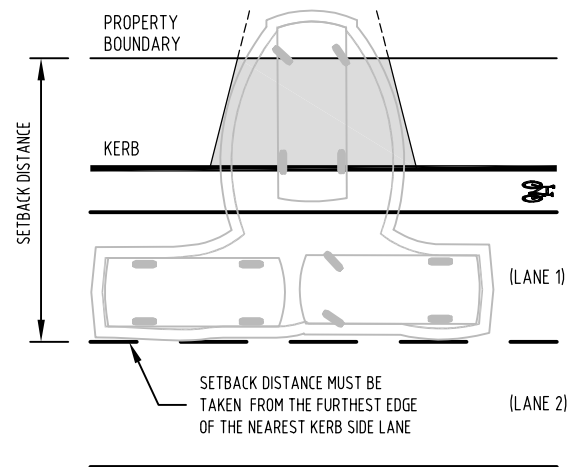
1. DETERMINE IF THE ROAD IS A LOCAL ROAD OR MULTI-LANE ROAD AND REFER TO THE RELEVANT DIAGRAM.
2. IF DEVELOPMENT IS ON A LOCAL ROAD, CONFIRM IF PARKING IS AVAILABLE ON OPPOSITE SIDE OF ROAD.
3. REFERRING TO THE RELEVANT DIAGRAM, TAKE MEASUREMENT FROM SITE AND CONFIRM THE APPLICABLE SETBACK DISTANCE.
3. CONFIRM WHETHER THE DRIVEWAY AND CROSSOVER IS TO ALLOW FOR ONE OR TWO VEHICLES (SINGLE OR DOUBLE).
4. WITH THE SETBACK DISTANCE AND NUMBER OF VEHICLES CONFIRMED, DETERMINE THE REQUIRED CROSSOVER DIMENSIONS FROM THE TABLE BELOW.

CROSSOVER DIMENSIONS PROVIDED IN THE TABLE BELOW ARE ONLY APPLICABLE TO DRIVEWAYS THAT ARE STRAIGHT WITHOUT BENDS AND ARE MIRROR IMAGE ABOUT THE CENTER LINE. DRIVEWAYS THAT ARE CURVED (E.G. TO AVOID OBSTRUCTIONS) WILL NEED AN INDIVIDUAL ASSESSMENT CARRIED OUT BY A QUALIFIED TRAFFIC ENGINEER TO DETERMINE THE REQUIRED DRIVEWAY AND CROSSOVER DIMENSIONS. SHOULD ALTERNATE CROSSOVER DIMENSIONS BE PROPOSED BY AN APPLICANT, THEY MUST BE VERIFIED BY A QUALIFIED TRAFFIC ENGINEER. CROSSOVERS PROVIDING ACCESS TO INDUSTRIAL OR COMMERCIAL PROPERTIES SHOULD BE ASSESSED INDIVIDUALLY.



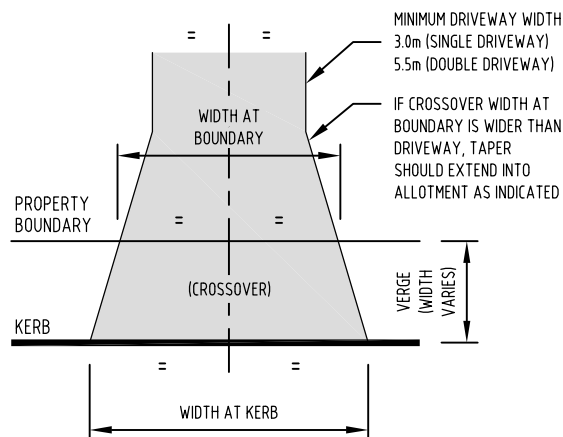
IF PARKING IS ALLOWED ON THE OPPOSITE SIDE OF ROAD WITHIN 9.0m EITHER SIDE FROM CENTRE OF CROSSOVER, AN ALLOWANCE OF 2.1m MUST BE MADE FOR PARKED VEHICLES

### LOCAL ROAD



KERB OR SOLID WHITE CENTRE LINE

### MULTI-LANE ROAD



### CROSSOVER SETOUT

RECOMMENDED CROSSOVER DIMENSIONS		
SETBACK DISTANCE	SINGLE DRIVEWAY	DOUBLE DRIVEWAY
WIDTH AT KERB		
ALL	5.0m	8.0m
WIDTH AT BOUNDARY		
3.00m - 3.49m	5.0m	8.0m
3.50m - 3.99m	5.0m	7.0m
4.00m - 4.49m	5.0m	6.6m
4.50m - 4.99m	5.0m	6.2m
5.00m - 5.49m	4.9m	6.0m
5.50m - 5.99m	4.8m	5.8m
6.00m - 6.49m	4.6m	5.7m
6.50m - 6.99m	4.3m	5.6m
7.00m - 7.49m	4.0m	5.5m
7.50m - 7.99m	3.5m	5.5m
8.00m >	3.0m	5.5m

## STANDARD DETAIL DRIVEWAY CROSSOVER DIMENSIONS



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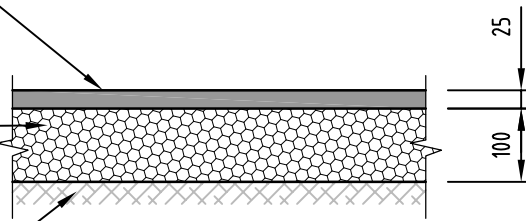
SK1010

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HOT MIX AC.10 WEARING COURSE

20mm QUARRY RUBBLE PM2/20  
BASE COURSE COMPACTED TO 95%  
MODIFIED COMPACTION (MMDD) IN  
ACCORDANCE WITH AS 1289.5.2.1

SUBGRADE COMPACTED TO 98%  
STANDARD COMPACTION (SMDD)  
IN ACCORDANCE WITH AS 1289.5.1.1



## ASPHALT FOOTPATH

SCALE: 1:10

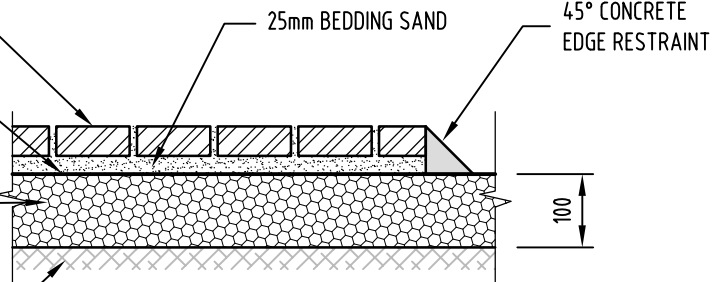
MINIMUM FOOTPATH WIDTH TO BE 1.5m UNLESS  
OTHERWISE APPROVED BY COUNCIL.

SELECTED BLOCK PAVERS  
TO COUNCIL SPECIFICATIONS

200um PLASTIC MEMBRANE  
PLACED OVER RUBBLE

20mm QUARRY RUBBLE PM2/20  
BASE COURSE COMPACTED TO 95%  
MODIFIED COMPACTION (MMDD) IN  
ACCORDANCE WITH AS 1289.5.2.1

SUBGRADE COMPACTED TO 98%  
STANDARD COMPACTION (SMDD) IN  
ACCORDANCE WITH AS 1289.5.1.1



## BLOCK PAVED FOOTPATH

SCALE: 1:10

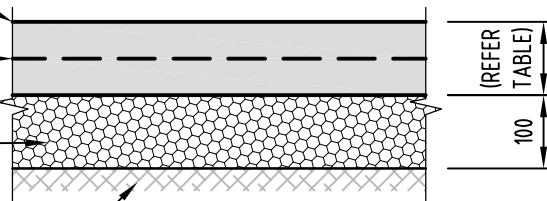
MINIMUM FOOTPATH WIDTH TO BE 1.5m UNLESS  
OTHERWISE APPROVED BY COUNCIL.

$f'c = 25 \text{ MPa}$   
 $f'c = 32 \text{ MPa}$  (WITHIN  
1KM OF COAST)

REINFORCEMENT  
(REFER TABLE)

20mm QUARRY RUBBLE PM2/20  
BASE COURSE COMPACTED TO 95%  
MODIFIED COMPACTION (MMDD) IN  
ACCORDANCE WITH AS 1289.5.2.1

SUBGRADE COMPACTED TO 98%  
STANDARD COMPACTION (SMDD) IN  
ACCORDANCE WITH AS 1289.5.1.1



## CONCRETE FOOTPATH

SCALE: 1:10

TOOLED JOINTS TO BE PROVIDED @ 3000 c/c  
EXPANSION JOINTS TO BE PROVIDED @ 15000 c/c  
FOOTPATH SURFACE SHOULD BE SLIP RESISTANT  
BROOMED FINISH.

### CONCRETE SPECIFICATIONS

LOADING TYPE	THICKNESS (mm)	REINFORCEMENT
NON-VEHICULAR	100	-
PASSENGER VEHICLES	100	SL62
COMMERCIAL VEHICLES	150	SL72

**STANDARD DETAIL**  
ASPHALT FOOTPATH  
BLOCK PAVED FOOTPATH  
CONCRETE FOOTPATH

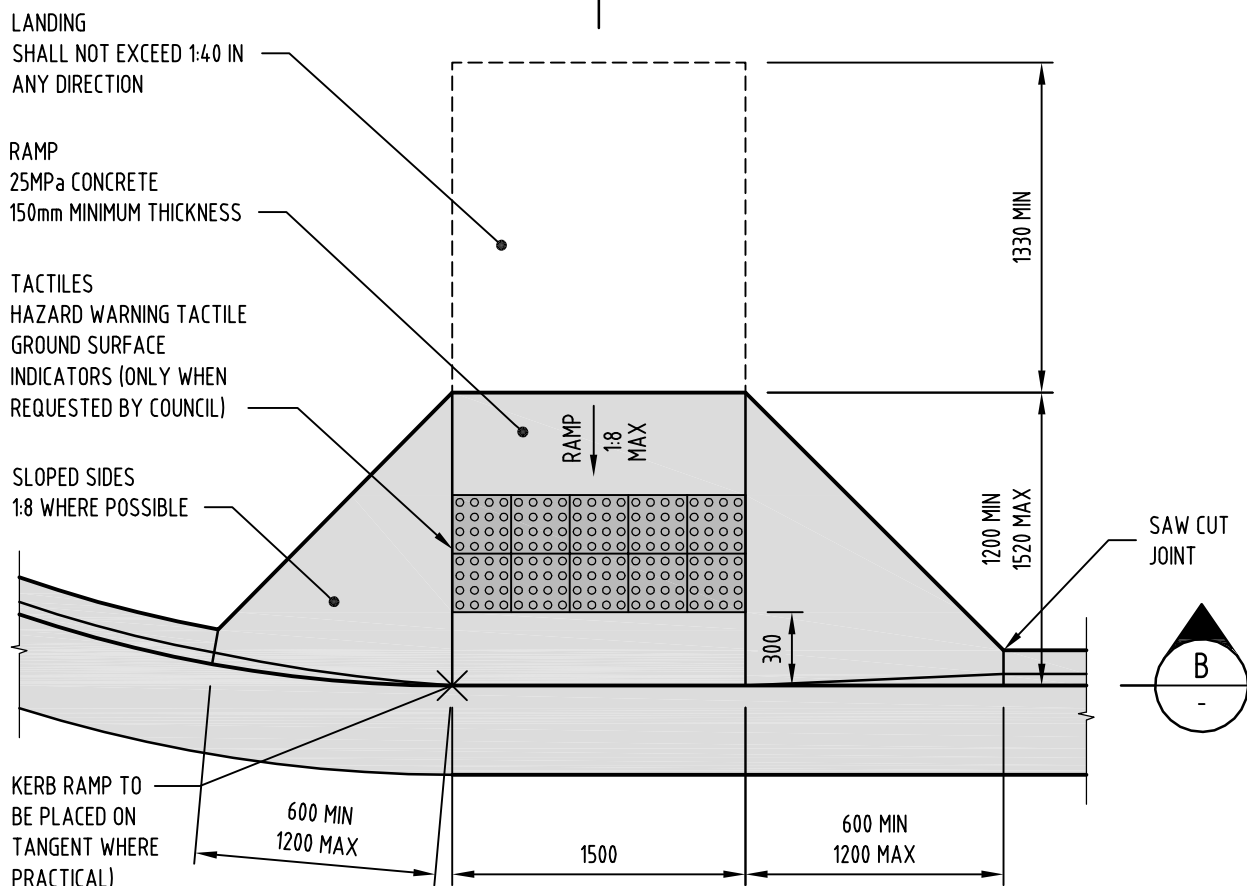


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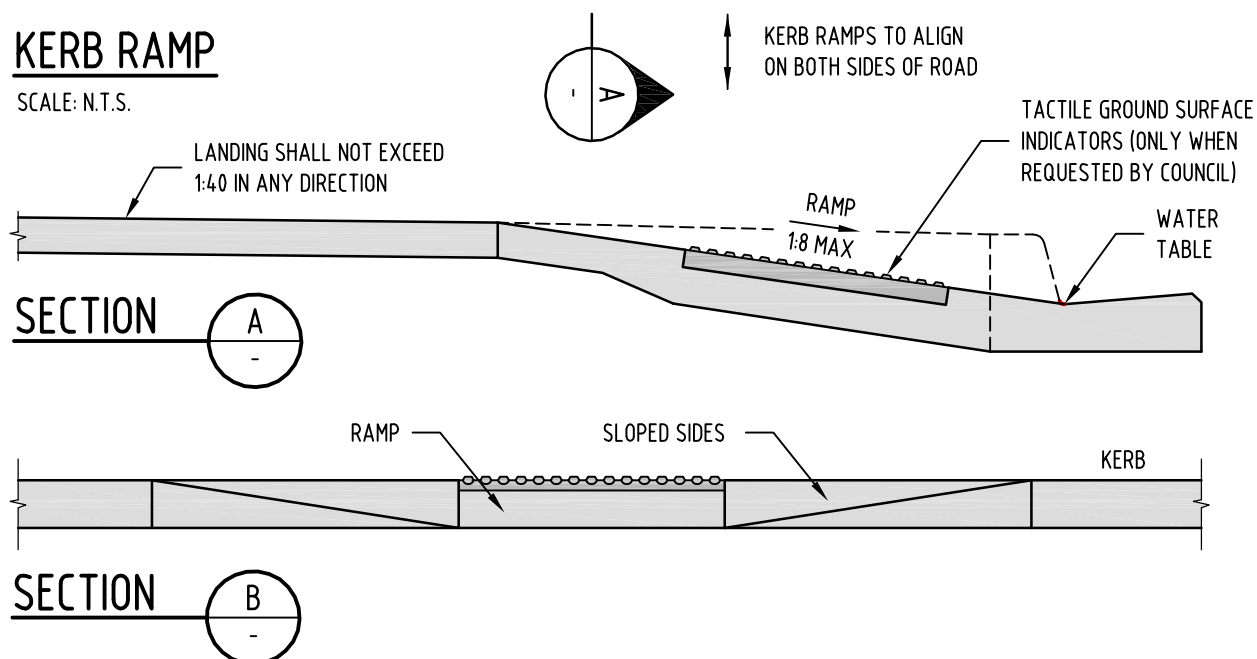
**SK1011**

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## KERB RAMP

SCALE: N.T.S.



### NOTES:

1. KERB RAMPS TO BE CONSTRUCTED AND INSTALLED AS PER AS.1428.
2. FOOTPATH SHALL BE ALTERED WHERE REQUIRED TO ACCOMMODATE RAMP GRADE.
3. PROVIDE TYPE B TACTILE INDICATORS (CHARCOAL) TO KERB RAMPS ON ARTERIAL OR COLLECTOR ROADS LISTED IN COUNCILS DEVELOPMENT PLAN TABLE PAde/6 - "ROAD HIERARCHY AND FUNCTION" IN ACCORDANCE WITH AS 1428
4. SLOPE SIDES OF THE RAMP CAN BE ADJUSTED TO MATCH SITE CONSTRAINTS (EG. TREES & STOBIE POLES).
5. CONCRETE SURFACE TO BE NON-SLIP (SOFT BROOM) FINISH PARALLEL TO KERB.

## STANDARD DETAIL

### KERB RAMPS

(SHEET 1 OF 2)

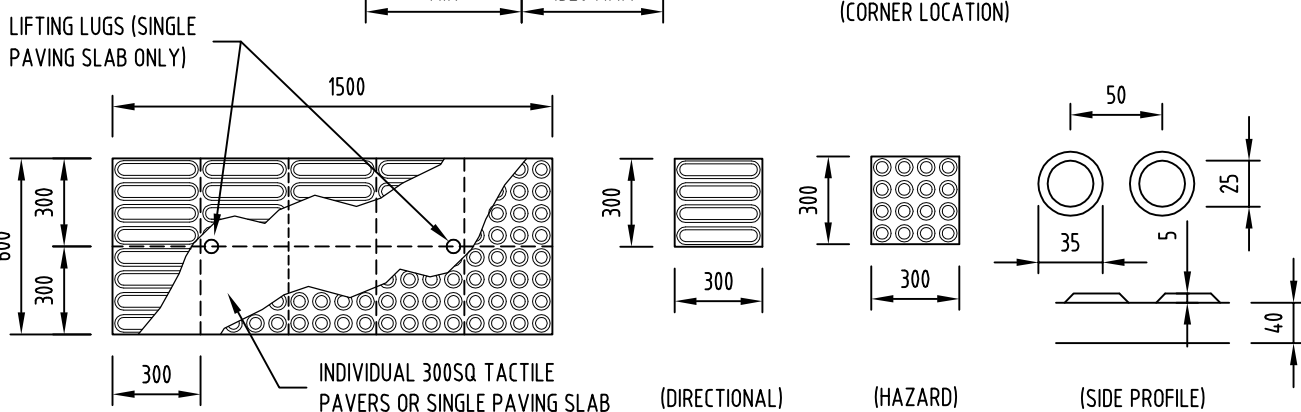


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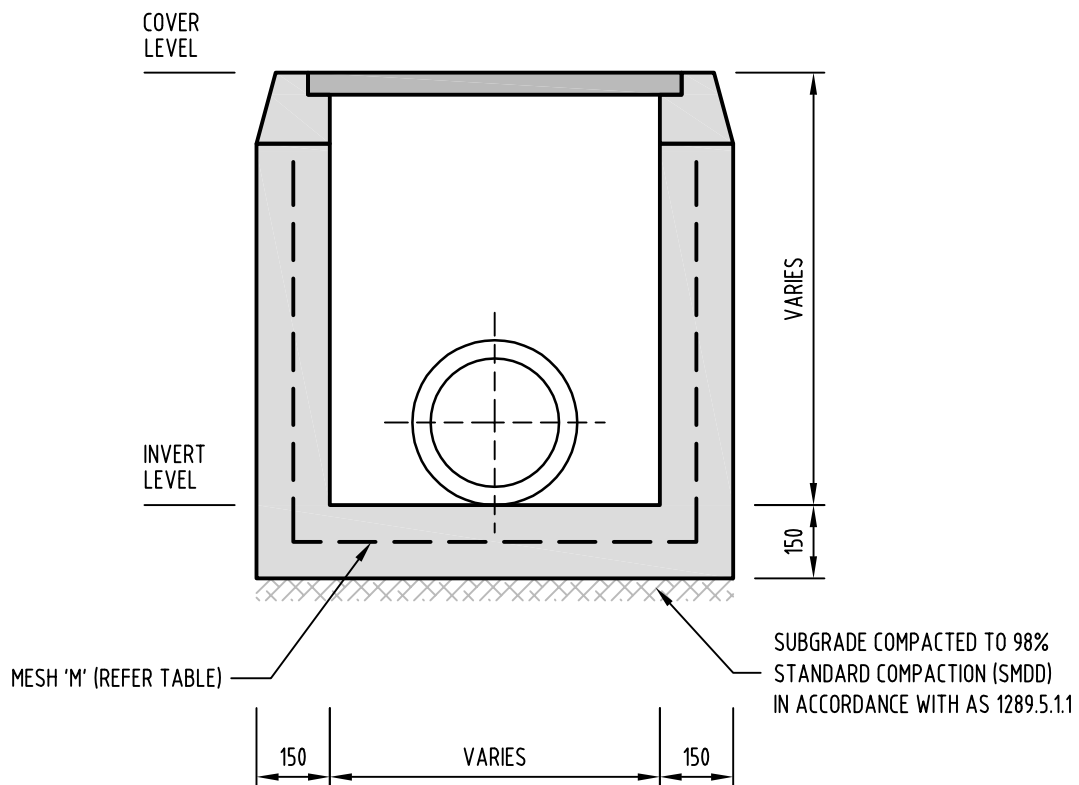
SK1012

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SCALE: N.T.S.

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Revision	B



## REINFORCED CONCRETE PIT

SCALE: N.T.S.

CONCRETE GRADE TO BE 25MPa, 32MPa WITHIN 1KM COASTAL CORROSION ZONE.

COVER TYPE: GRATED COVER (INLET PIT)

SEALED COVER (JUNCTION BOX OR INSPECTION PIT)

STRENGTH: CLASS B COVERS (NOT SUBJECT TO VEHICULAR LOADING)

CLASS D COVERS (SUBJECT TO VEHICULAR LOADING)

REINFORCEMENT SPECIFICATIONS		
PIT SIZE	REINFORCEMENT	MAX DEPTH
450 x 450	SL62	600
600 x 600	SL72	900
900 x 900	SL72	1200
1200 x 1200	SL82	1500
1200 x 1200	SL92	2000

### NOTES:

1. IN MARINE GROUNDWATER ENVIRONMENTS CONCRETE SHALL BE TO EXPOSURE CLASSIFICATION C IN ACCORDANCE WITH AS 3600 FOR DURABILITY AND CHARACTERISTIC STRENGTH SHALL BE 50MPa WITH 30% FLYASH MIX.

STANDARD DETAIL  
REINFORCED CONCRETE PIT

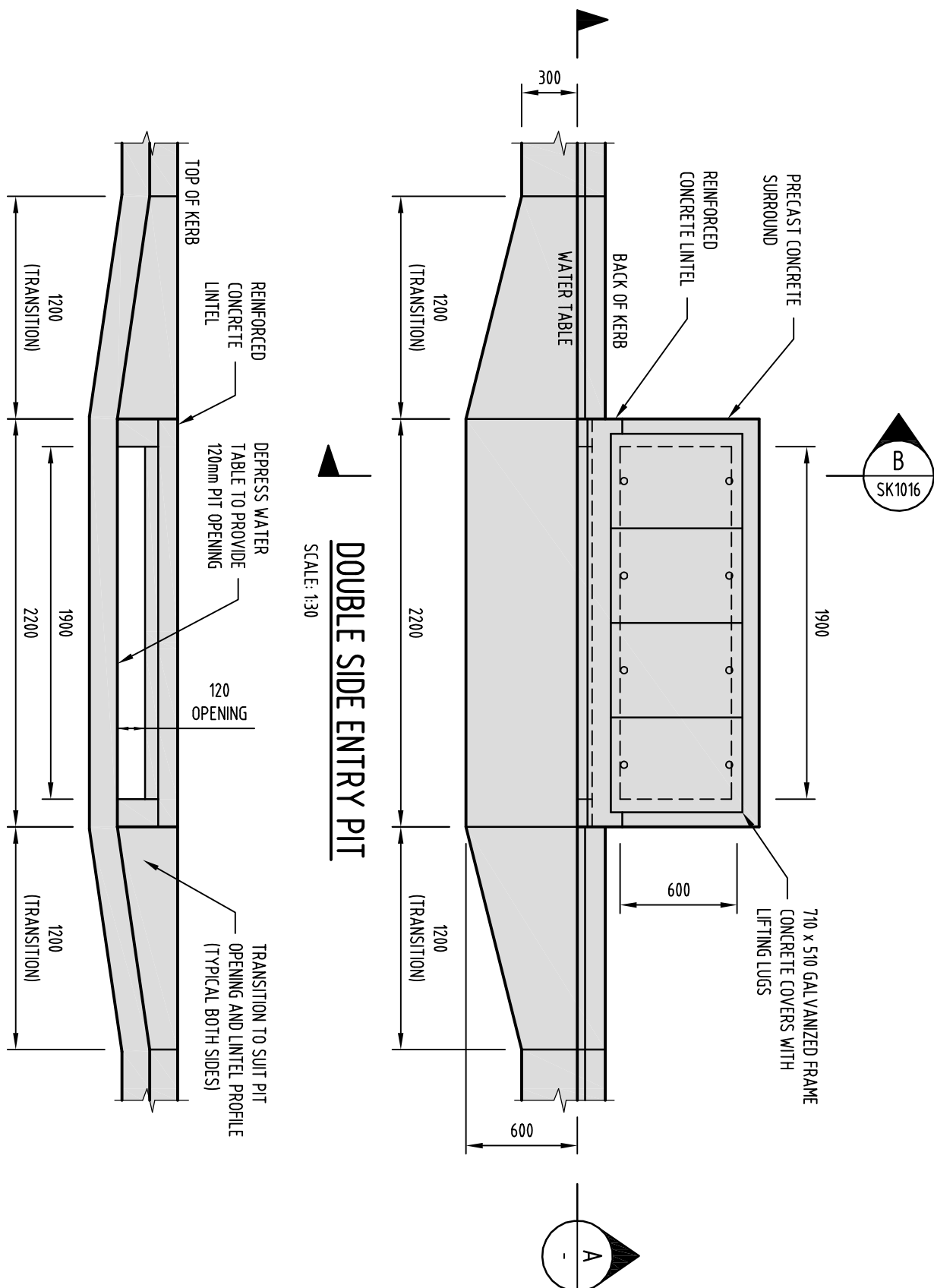


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**NOTE:**

1. IN MARINE GROUNDWATER ENVIRONMENTS CONCRETE SHALL BE TO EXPOSURE CLASSIFICATION C IN ACCORDANCE WITH AS 3600 FOR DURABILITY AND CHARACTERISTIC STRENGTH SHALL BE 50MPa WITH 30% FLYASH MIX.

**STANDARD DETAIL**  
**DOUBLE SIDE ENTRY PIT**  
(SHEET 1 OF 2)



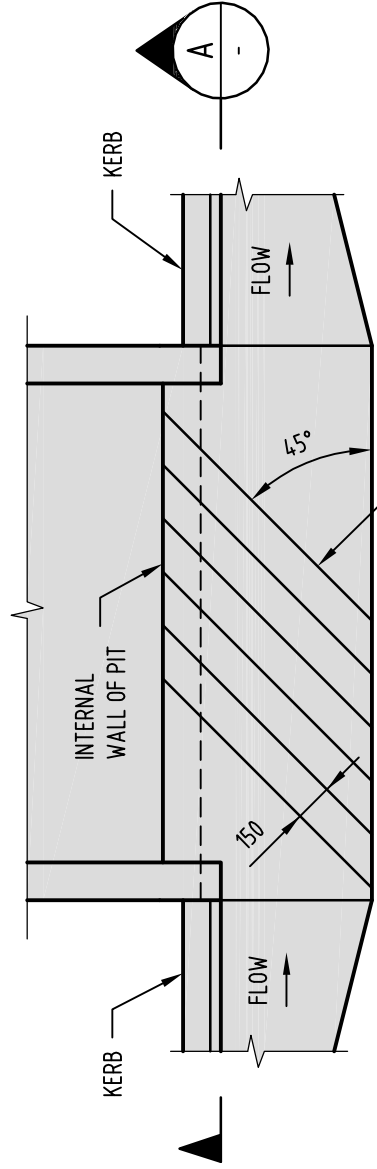
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**SK1015**

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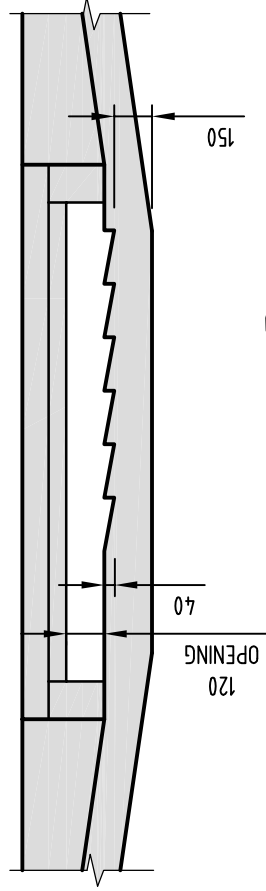


## SIDE ENTRY PIT DEFLECTORS

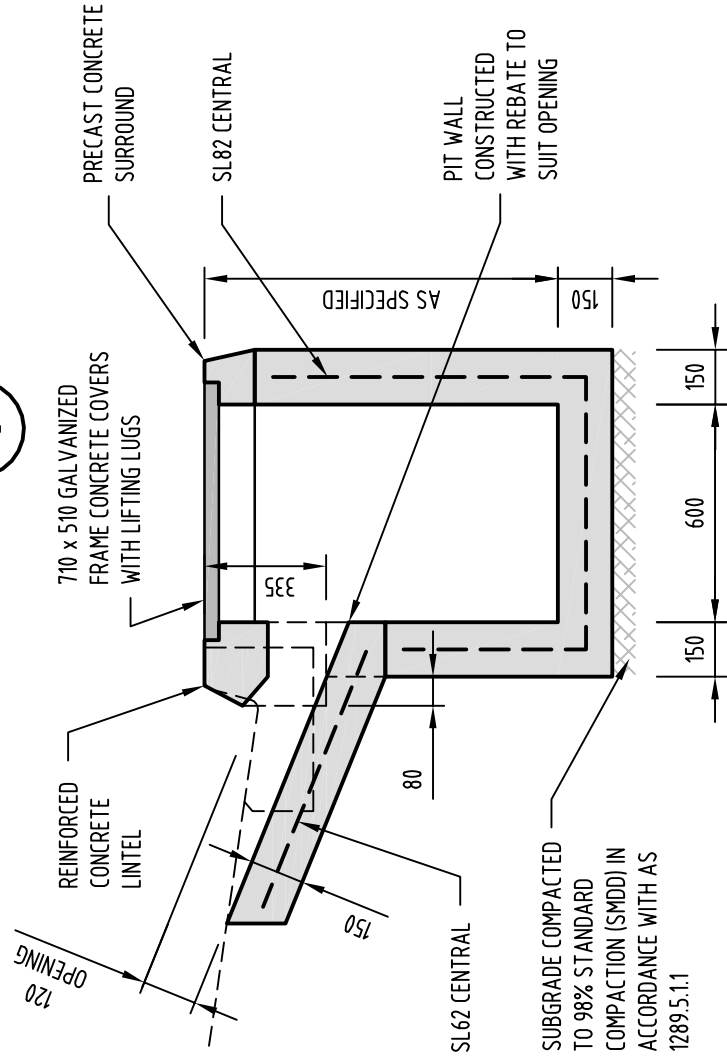
SCALE: N.T.S.

DEFLECTORS SHALL BE PROVIDED WHEN GUTTER APPROACH GRADE EXCEEDS 2.0%.

DEFLECTOR HEIGHT TO  
TRANSITION FROM 0mm  
AT EDGE OF BITUMEN TO  
40mm AT INLET



### SECTION A -



### SECTION B -

NOTE:  
1. IN MARINE GROUNDWATER ENVIRONMENTS CONCRETE SHALL BE TO EXPOSURE CLASSIFICATION C IN ACCORDANCE WITH AS 3600 FOR DURABILITY AND CHARACTERISTIC STRENGTH SHALL BE 50MPa WITH 30% FLYASH MIX.

## STANDARD DETAIL DOUBLE SIDE ENTRY PIT (SHEET 2 OF 2)



CITY OF  
Port Adelaide Enfield

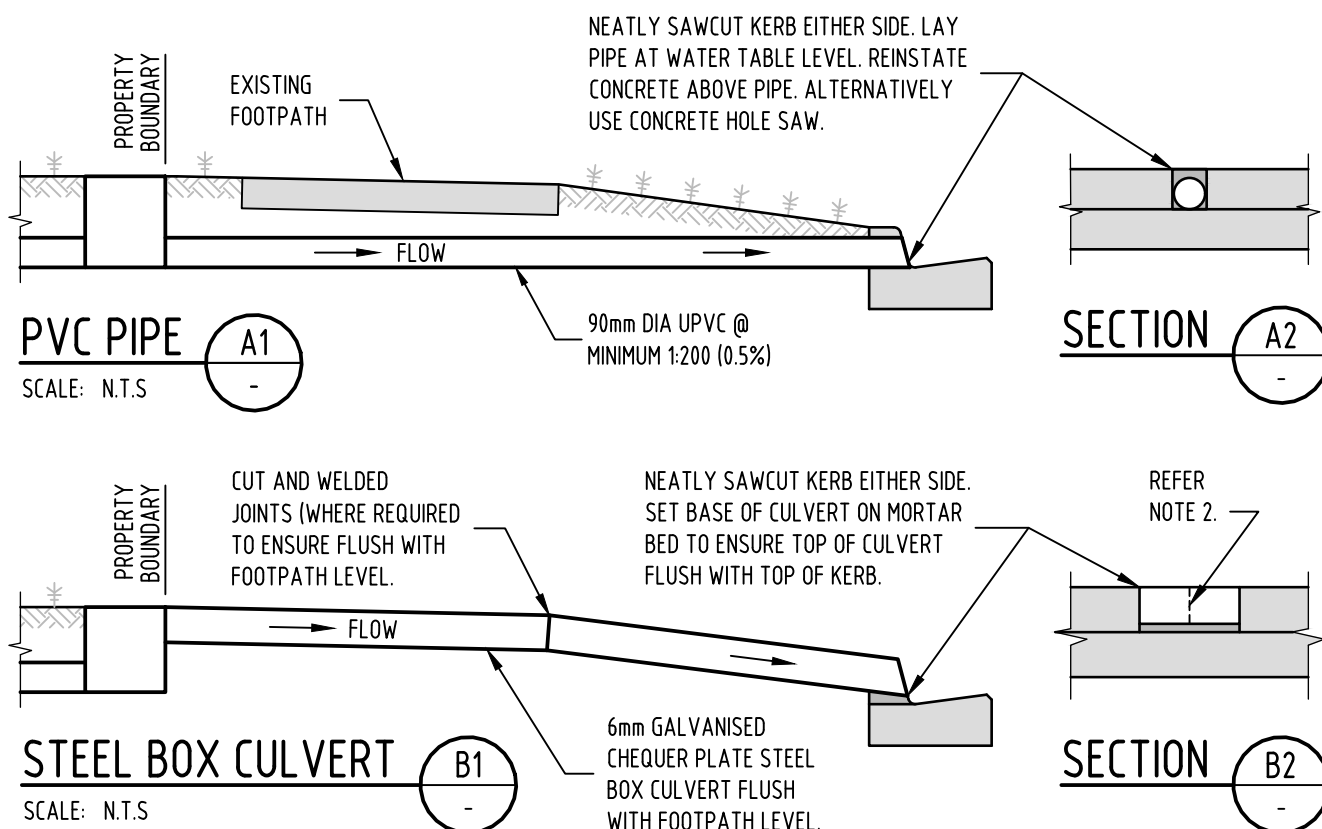
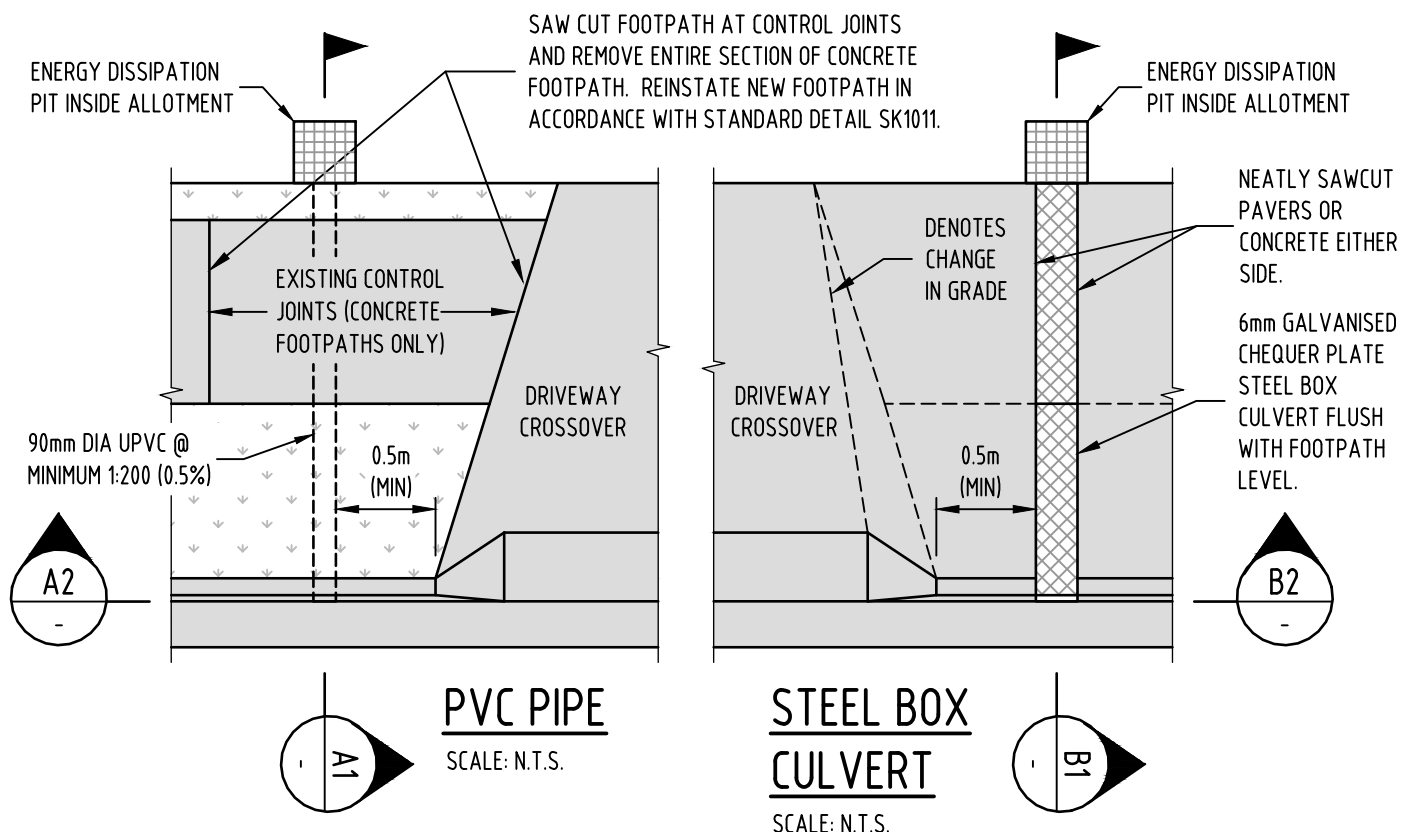
File Name

SK1016

Revised 29 MAR 2016

Approved A.WOOD

Revision B



**NOTES:**

1. UNLESS APPROVED OTHERWISE BY COUNCIL, STEEL BOX CULVERTS SHOULD ONLY BE USED WHERE THE VERGE IS PAVED OR CONCRETE FROM KERB TO BOUNDARY, OR FOR INDUSTRIAL OR COMMERCIAL DEVELOPMENTS. ALL OTHER DEVELOPMENTS SHOULD USE A COMBINATION OF 90mm DIA PVC OUTLETS.
2. WHERE THE OVERALL WIDTH OF A STEEL BOX CULVERT IS GREATER THAN 0.3m, MULTIPLE BOX CULVERTS SHALL BE USED ENSURING THE MAXIMUM WIDTH OF ANY ONE CULVERT DOES NOT EXCEED 0.3m, THIS IS TO PROVIDE ADDITIONAL VERTICAL SUPPORT TO WITHSTAND DAMAGE.

## STANDARD DETAIL

### STORMWATER CONNECTION (KERB OUTLET)

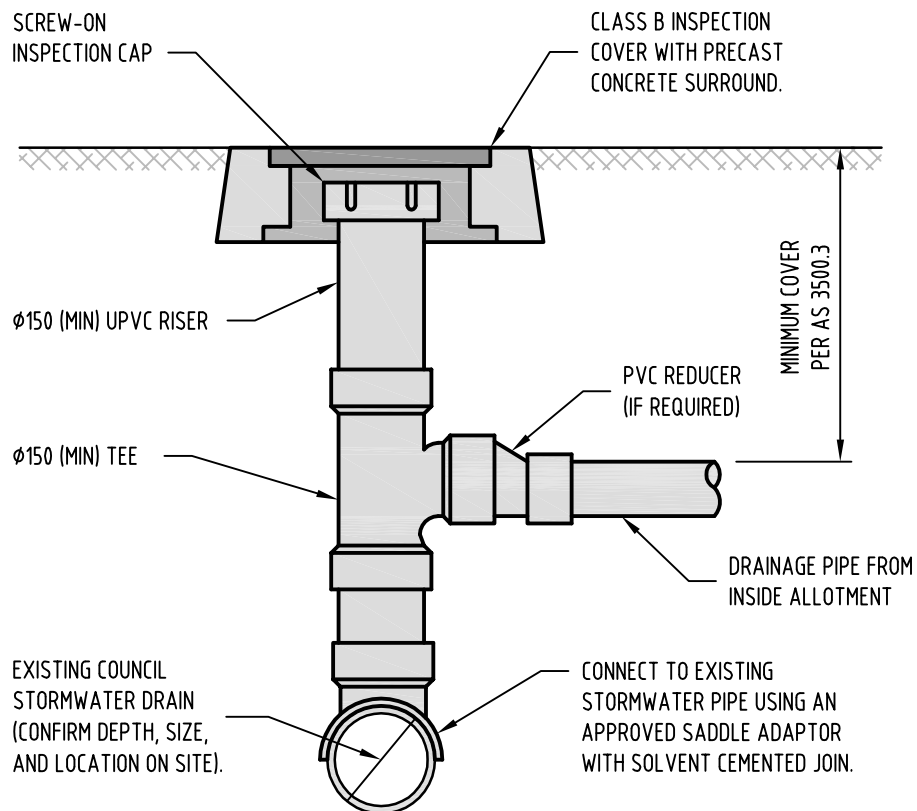


CITY OF  
Port Adelaide Enfield

File Name

**SK1017**

Revised	26 SEPT 2019
Approved	N.WICKER
Revision	C



## STORMWATER CONNECTION (REAR OF ALLOTMENT)

SCALE: N.T.S.

**STANDARD DETAIL**  
STORMWATER CONNECTION (REAR OF ALLOTMENT)



**CITY OF  
Port Adelaide Enfield**

File Name

**SK1018**

Revised	29 MAR 2016
Approved	A.WOOD
Revision	B

SAW CUT EXISTING FOOTPATH AT CONTROL JOINT LOCATION AND REMOVE ENTIRE CONCRETE PANEL (CONCRETE FOOTPATHS ONLY). REINSTATE FOOTPATH IN ACCORDANCE WITH STANDARD DETAIL SK1011

INSPECTION SUMP INSIDE PROPERTY BOUNDARY.

DRAINAGE PIPE FROM INSIDE ALLOTMENT.

NEW 225mm (MIN) DIA RCP GRADED @ 1:200 (MIN)

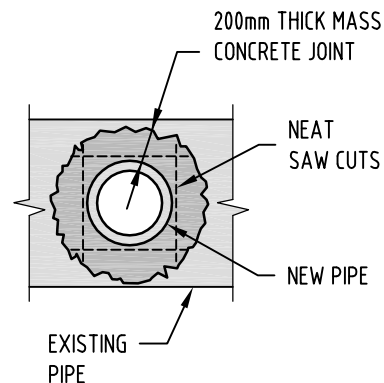
**IMPORTANT NOTE:**  
COUNCIL TO BE NOTIFIED AT LEAST 24HRS BEFORE BACKFILLING.

EXISTING PIPE. CONTRACTOR TO CONFIRM EXACT DEPTH AND LOCATION ON-SITE

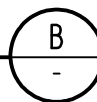
EXISTING PIPE

PROPERTY BOUNDARY

EXISTING CONTROL JOINT (CONCRETE FOOTPATHS ONLY)

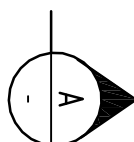


**SECTION**  
SCALE: N.T.S.



## STORMWATER CONNECTION (UNDER VERGE)

SCALE: N.T.S.



INSPECTION PIT INSIDE PROPERTY BOUNDARY

PROPERTY BOUNDARY

EXISTING FOOTPATH (REMOVE AND REINSTATE)

VERGE

WATER TABLE

EXISTING PIPE DIAMETER MUST BE 150mm LARGER THAN NEW PIPE DIAMETER. (TWO PIPE SIZES LARGER). IF NOT AND THE NEW PIPE CANNOT BE INSERTED NEATLY WITHIN EXISTING PIPE. ALL PIPES ARE TO BE SAW CUT AND A NEW BLIND PIT INSTALLED IN ACCORDANCE WITH STANDARD DETAIL SK1014.

200 MIN

FLOW

DRAINAGE PIPE FROM INSIDE ALLOTMENT.

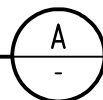
NEW 225mm (MIN) DIA RCP GRADED @ 1:200 (MIN)

200mm THICK MASS CONCRETE JOINT

EXISTING PIPE. CONTRACTOR TO CONFIRM EXACT DEPTH AND LOCATION ON-SITE

NEATLY SAW CUT EXISTING PIPE AND INSERT NEW PIPE. NO SECTION OF NEW PIPE SHALL PROTRUDE INTO EXISTING PIPE

**SECTION**  
N.T.S.



**NOTE:**

1. IN MARINE GROUNDWATER ENVIRONMENTS CONCRETE SHALL BE TO EXPOSURE CLASSIFICATION C IN ACCORDANCE WITH AS 3600 FOR DURABILITY AND CHARACTERISTIC STRENGTH SHALL BE 50MPa WITH 30% FLYASH MIX.

## STANDARD DETAIL STORMWATER CONNECTION (UNDER VERGE)

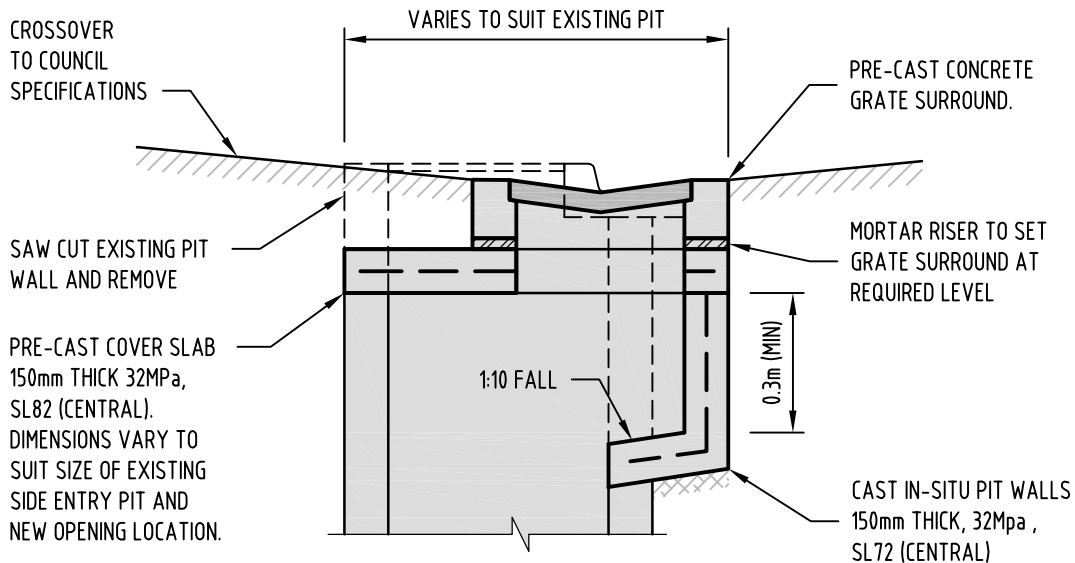


CITY OF  
Port Adelaide Enfield

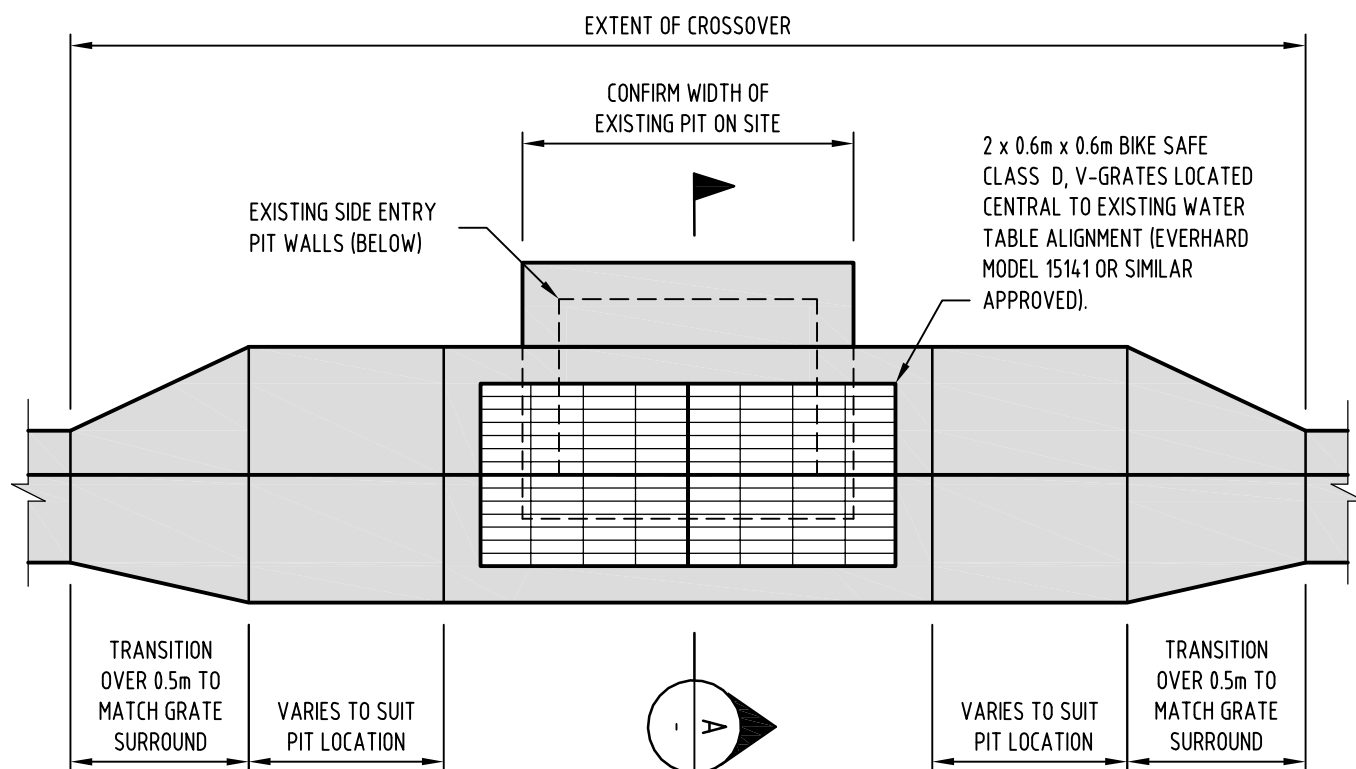
File Name

**SK1019**

Revised	29 MAR 2016
Approved	A.WOOD
Revision	B



SECTION A



## SIDE ENTRY PIT TO V GRATE CONVERSION

SCALE: N.T.S.

**NOTE:**

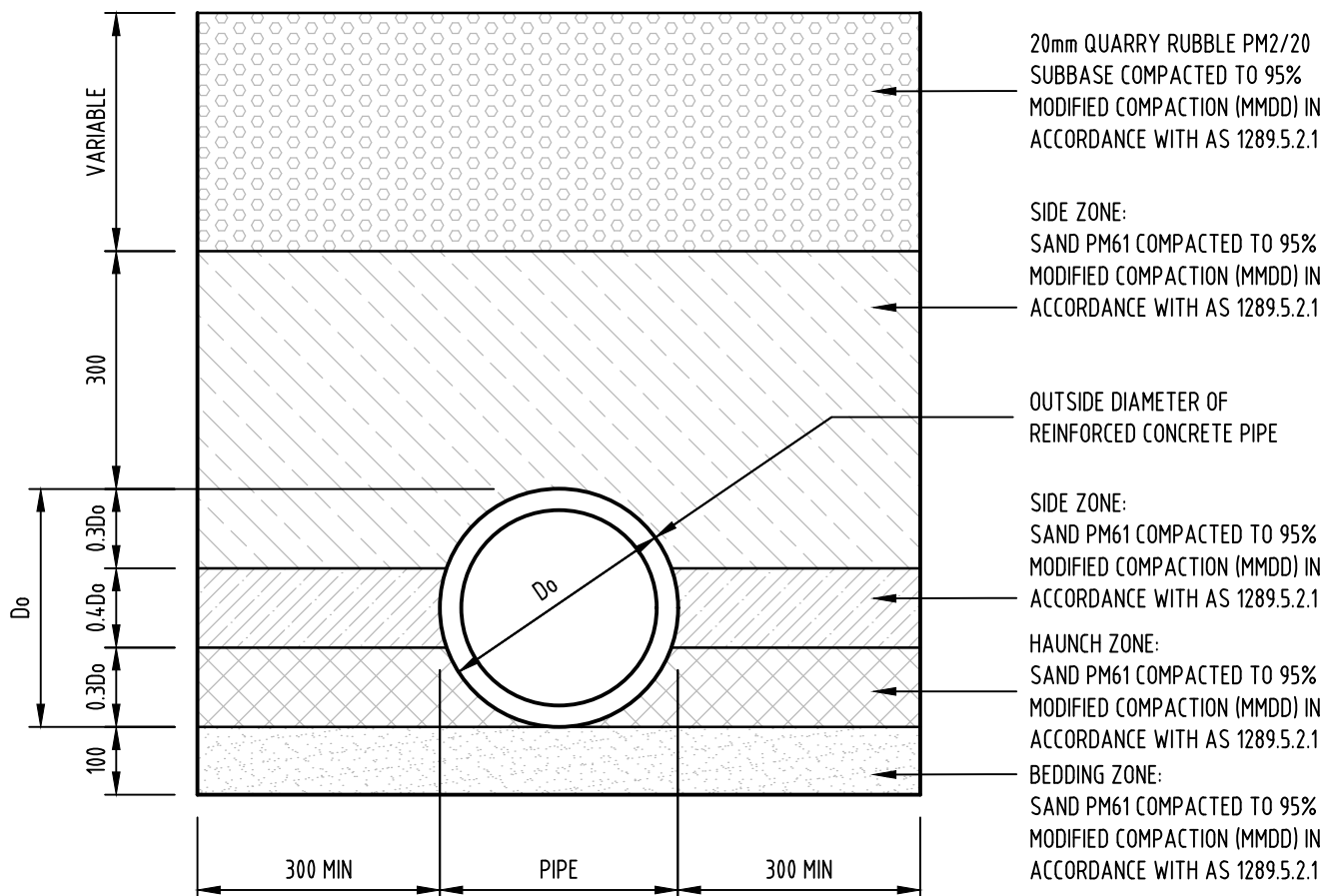
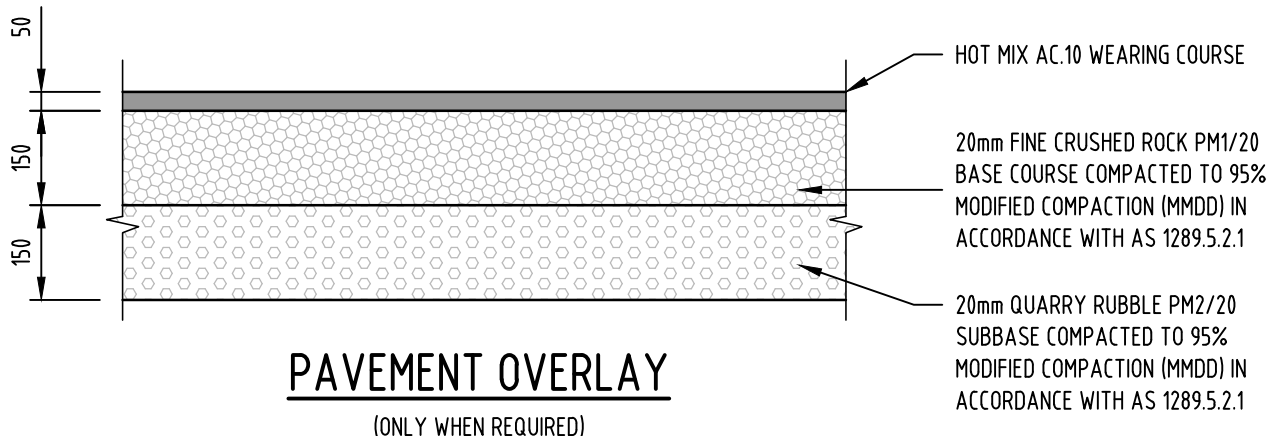
1. IN MARINE GROUNDWATER ENVIRONMENTS CONCRETE SHALL BE TO EXPOSURE CLASSIFICATION C IN ACCORDANCE WITH AS 3600 FOR DURABILITY AND CHARACTERISTIC STRENGTH SHALL BE 50MPa WITH 30% FLYASH MIX.

**STANDARD DETAIL**  
SIDE ENTRY PIT TO V GRATE CONVERSION



CITY OF  
**Port Adelaide Enfield**

File Name	
SK1020	
Revised	29 MAR 2016
Approved	A.WOOD
Revision	B



## SERVICE TRENCH REINSTATEMENT

SCALE: N.T.S.

### NOTE:

1. BEDDING ZONE - SAND SHALL EXTEND OVER THE FULL WIDTH OF THE TRENCH AND SHALL BE COMPACTED BY TAMPERING, ROLLING AND/OR VIBRATING TO A MINIMUM COMPACTION OF 95% MMDD
2. HAUNCH ZONE - SAND SHALL BE PLACED IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS (200mm UNCOMPACTED). LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS, AT OPTIMUM MOISTURE CONTENT, TO ACHIEVE A MINIMUM COMPACTION OF 95% MMDD
3. SIDE ZONE - AS PER HAUNCH ZONE
4. OVERLAY ZONE - AS PER HAUNCH ZONE WITH LAST 150mm TO BE COMPACTED BY TAMPERING ROLLING AND/OR VIBRATION
5. HAUNCH ZONE - MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS (200mm UNCOMPACTED). LAYERS SHALL BE COMPACTED BY CONVENTIONAL MECHANICAL METHODS, AT OPTIMUM MOISTURE CONTENT, TO ACHIEVE COMPACTION OF 95% MMDD

THIS STANDARD IS IN ACCORDANCE WITH THE CONCRETE PIPES ASSOCIATION OF AUSTRALIA "SELECTION AND INSTALLATION TYPE HS2"

## STANDARD DETAIL

### SERVICE TRENCH REINSTATEMENT

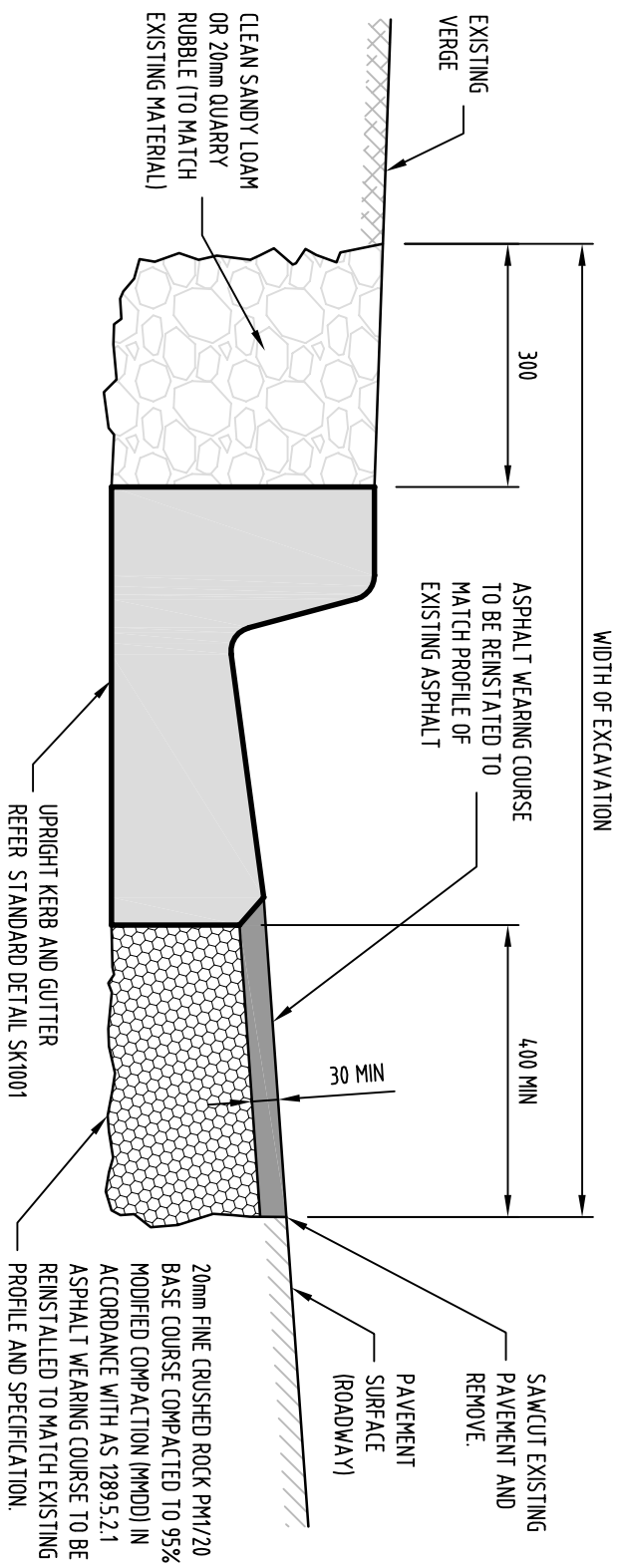


CITY OF  
Port Adelaide Enfield

File Name

SK1021

Revised	04 JAN 2018
Approved	A.WOOD
Revision	C



# KERB REINSTATEMENT AND BACKFILL

SCALE: N.T.S.

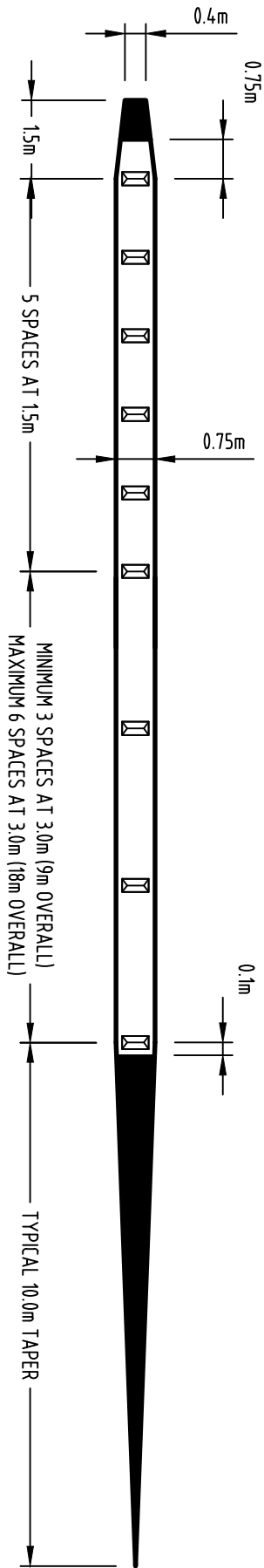
ALL LINEMARKING TO BE REINSTATED TO MATCH EXISTING.

## STANDARD DETAIL KERB REINSTATEMENT AND BACKFILL



CITY OF  
Port Adelaide Enfield

File Name	
SK1022	
Revised	29 MAR 2016
Approved	A.WOOD
Revision	B



# PAVEMENT BAR LAYOUT

SCALE: N.T.S.  
 DESIGN AND INSTALLATION OF PAVEMENT BARS AND ASSOCIATED  
 LITEMARKING SHALL COMPLY WITH THE REQUIREMENTS OF AS 1742:2009  
 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE D.P.T.I.  
 "CODE OF TECHNICAL REQUIREMENTS FOR TRAFFIC CONTROL DEVICES."

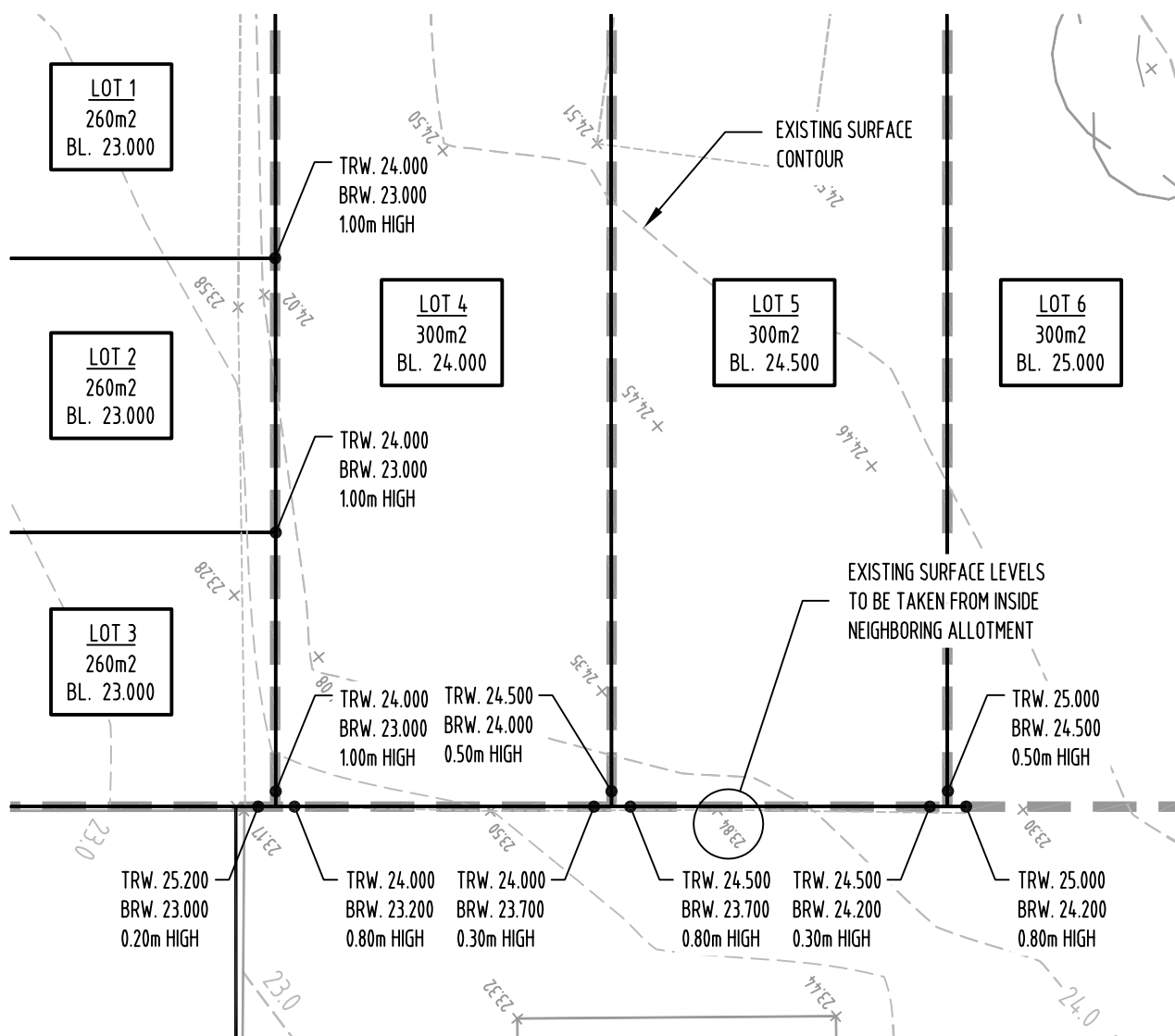
STANDARD DETAIL  
 PAVEMENT BAR LAYOUT



CITY OF  
 Port Adelaide Enfield

File Name	
SK1023	
Revised	04 APRIL 2017
Approved	A.WOOD
Revision	C





#### NOTES:

1. SURFACE LEVELS ALONG BOUNDARIES MUST BE TAKEN FROM INSIDE THE ADJOINING (NEIGHBORING) ALLOTMENTS.
2. RETAINING WALL LEVELS AND HEIGHTS SHOULD BE SPECIFIED AT THE FOLLOWING LOCATIONS:
  - a) AT THE START AND END OF ANY RETAINING WALL
  - b) AT THE INTERSECTION OF TWO OR MORE RETAINING WALLS: 0.3 METERS FROM THE START / END OF EACH RETAINING WALL (AS SHOWN ABOVE).
  - c) AT ALL LOCATION WHERE THE RETAINING WALL IS AT MAXIMUM HEIGHT.
  - d) AT A MAXIMUM SPACING OF 10m ALONG THE LENGTH OF ANY RETAINING WALL
  - e) WHERE A RETAINING WALL TRANSITIONS BETWEEN CUT AND FILL (I.E. RETAINING WALL HEIGHT = 0.00m)

#### LEGEND

- = RETAINING WALL  
 TRW = TOP OF RETAINING WALL LEVEL  
 BRW = BOTTOM OF RETAINING WALL LEVEL  
 0.00m HIGH = APPROX OVERALL RETAINING WALL HEIGHT

## STANDARD DETAIL

### EXAMPLE RETAINING WALL LAYOUT



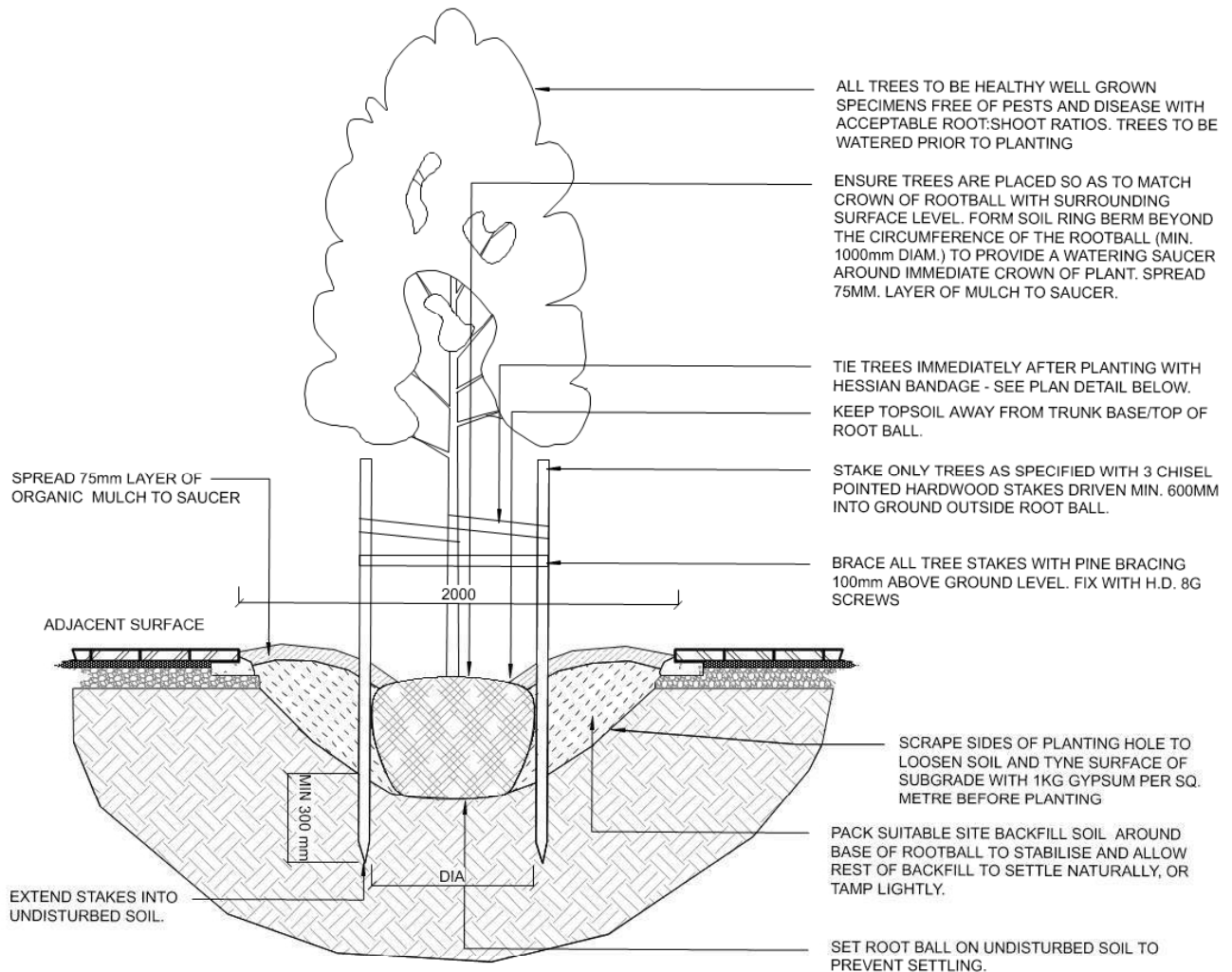
CITY OF  
Port Adelaide Enfield

File Name

SK1024

Revised	17 NOV 2016
Approved	N.WICKER
Revision	A

# STANDARD TREE PIT DETAIL



**TREE ON PAVEMENT DETAIL**

Scale: 1:20

STANDARD DETAIL



**Port Adelaide Enfield**

File Name

Revised

Approved

Revision