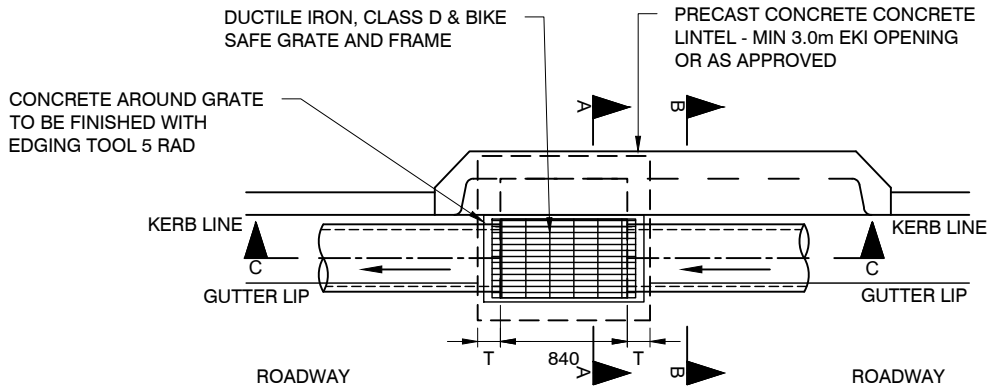
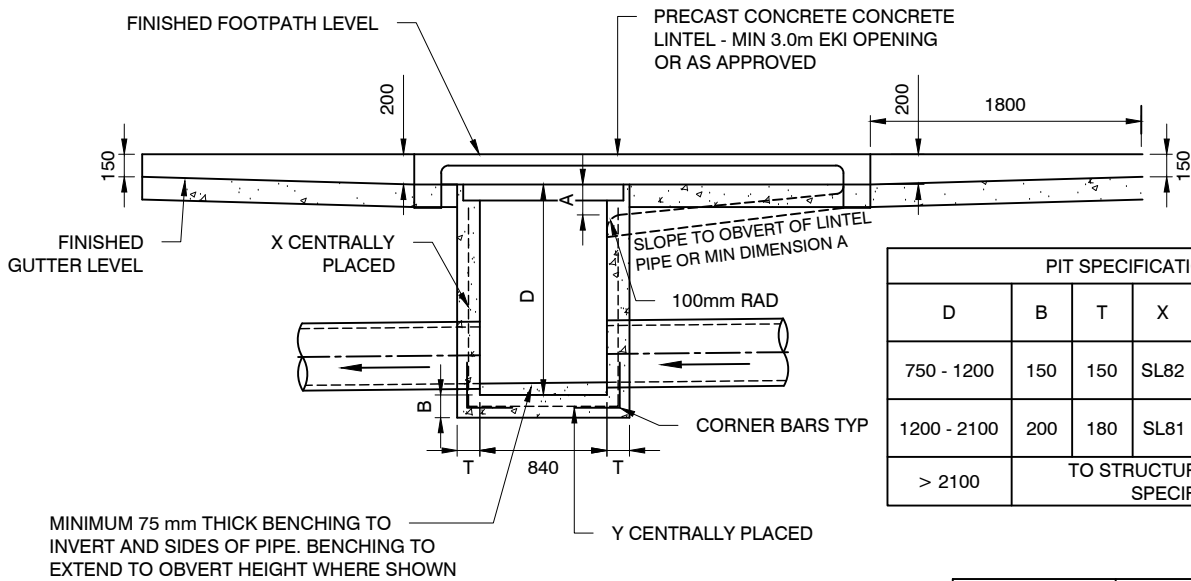


## PLAN

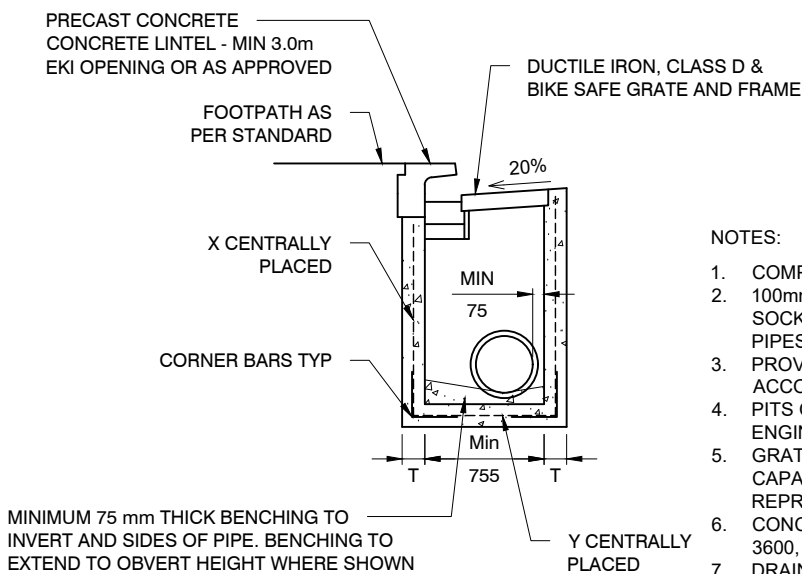


## SECTION C-C



| PIT SPECIFICATIONS |                                          |     |      |      |                  |
|--------------------|------------------------------------------|-----|------|------|------------------|
| D                  | B                                        | T   | X    | Y    | CORNER<br>BARS   |
| 750 - 1200         | 150                                      | 150 | SL82 | SL81 | N12-300<br>L 500 |
| 1200 - 2100        | 200                                      | 180 | SL81 | SL81 | N12-200<br>L 600 |
| > 2100             | TO STRUCTURAL ENGINEERS<br>SPECIFICATION |     |      |      |                  |

## SECTION A-A



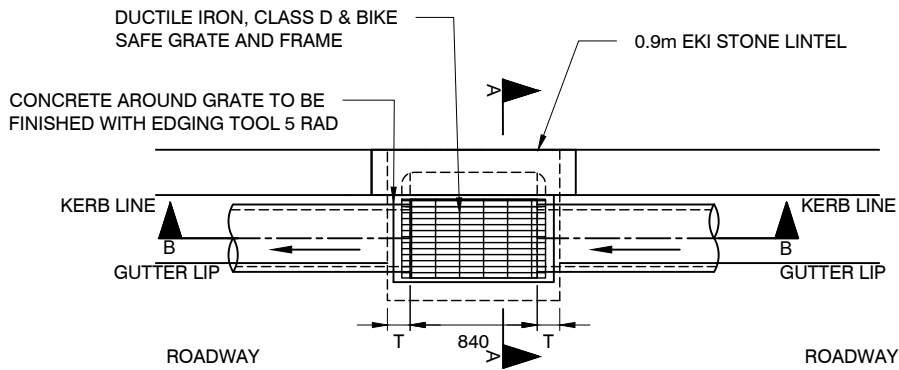
| INLET LENGTH -<br>EKI (m) | MINIMUM<br>DIMENSION A<br>(mm) |
|---------------------------|--------------------------------|
| 1.8                       | 250                            |
| 2.4                       | 300                            |
| 3.0                       | 400                            |
| 3.6                       | 450                            |
| 4.2                       | 500                            |

### NOTES:

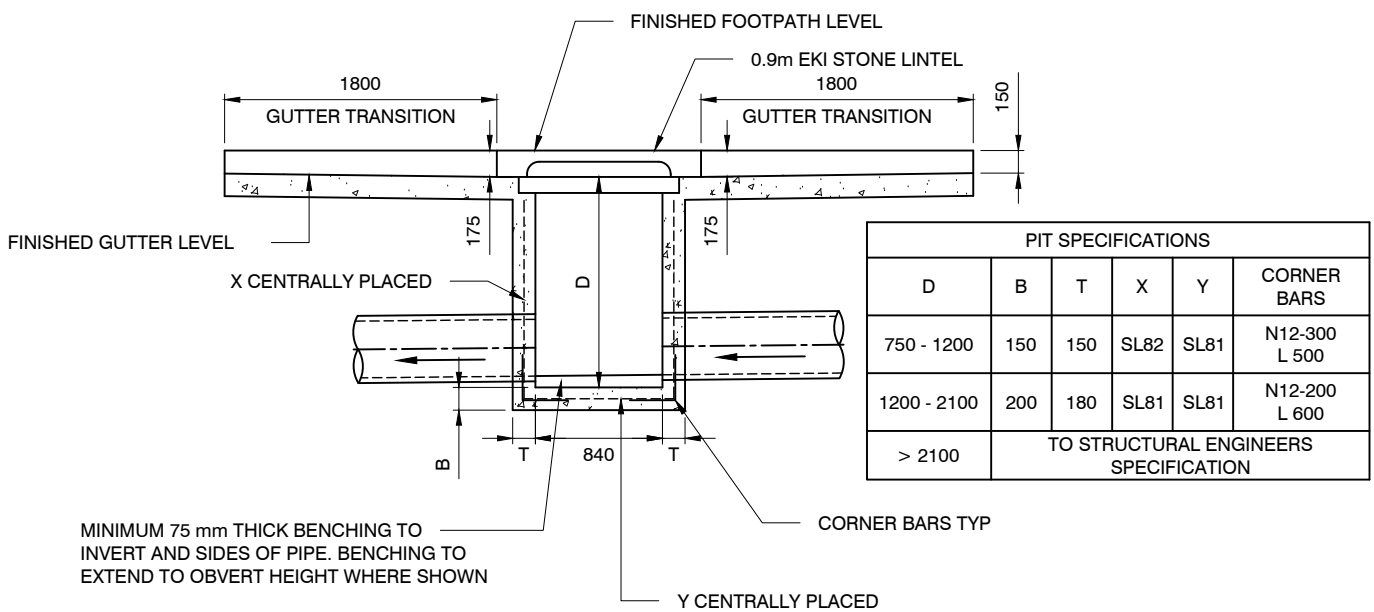
1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

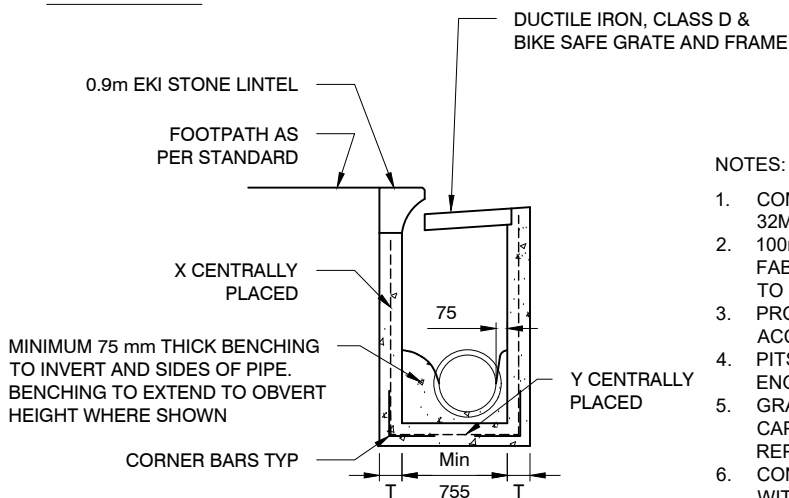
## PLAN



## SECTION B-B



## SECTION A-A

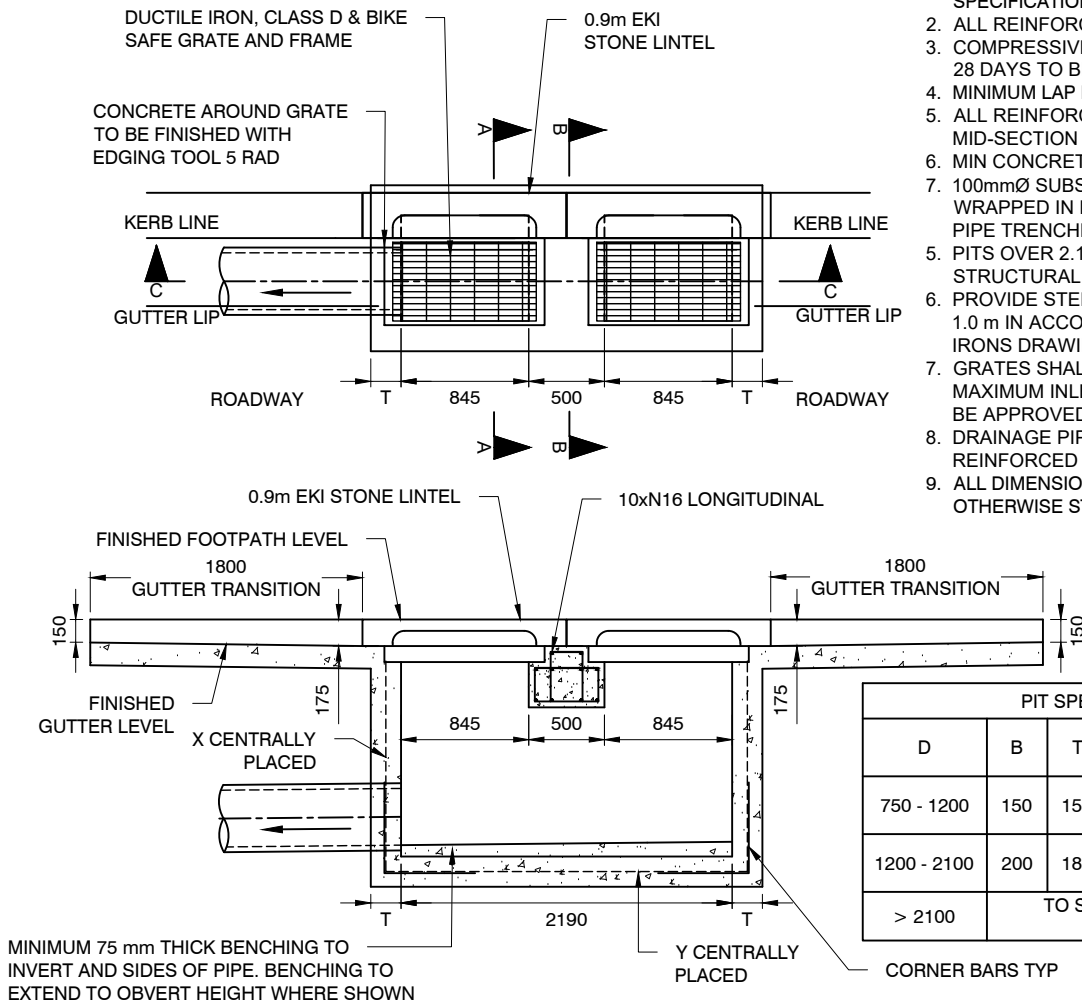


### NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

## PLAN

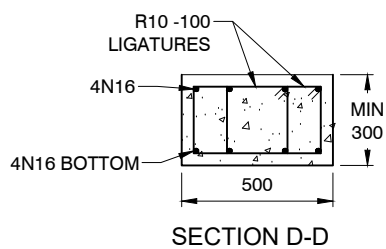


- NOTES:

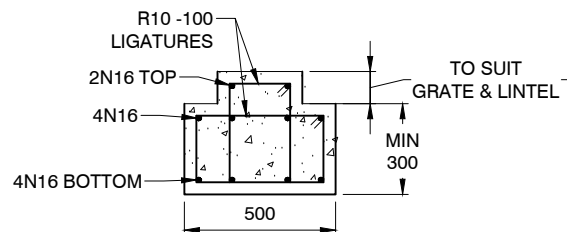
1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNO.
5. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO.
6. MIN CONCRETE BEAM COVER SHALL BE 40mm
7. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
8. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
9. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
10. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
11. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
12. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

| PIT SPECIFICATIONS |                                          |     |      |      |                  |
|--------------------|------------------------------------------|-----|------|------|------------------|
| D                  | B                                        | T   | X    | Y    | CORNER<br>BARS   |
| 750 - 1200         | 150                                      | 150 | SL82 | SL81 | N12-300<br>L 500 |
| 1200 - 2100        | 200                                      | 180 | SL81 | SL81 | N12-200<br>L 600 |
| > 2100             | TO STRUCTURAL ENGINEERS<br>SPECIFICATION |     |      |      |                  |

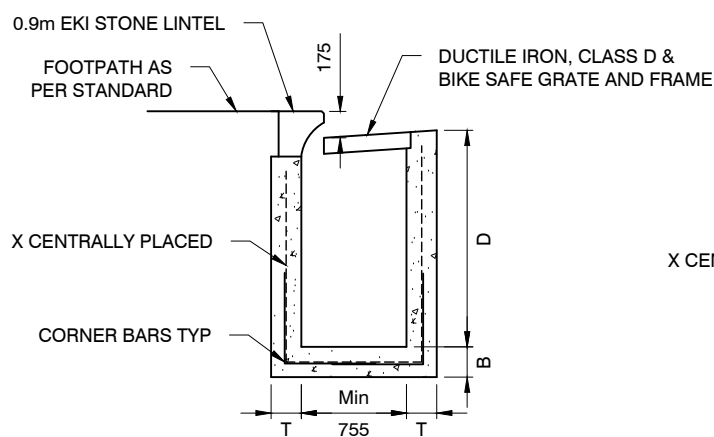
## SECTION C-C



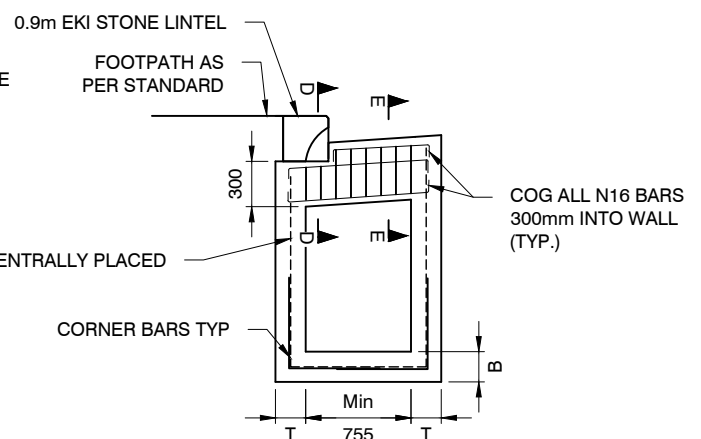
## SECTION D-D



## SECTION E-E



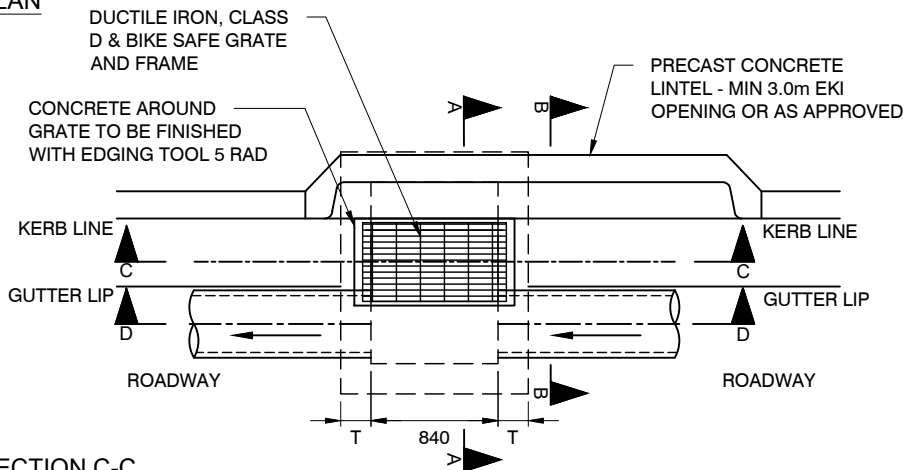
## SECTION A-A



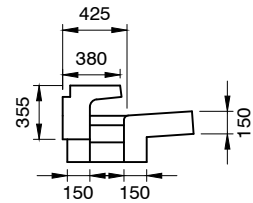
## SECTION B-B

SCALE 1:50

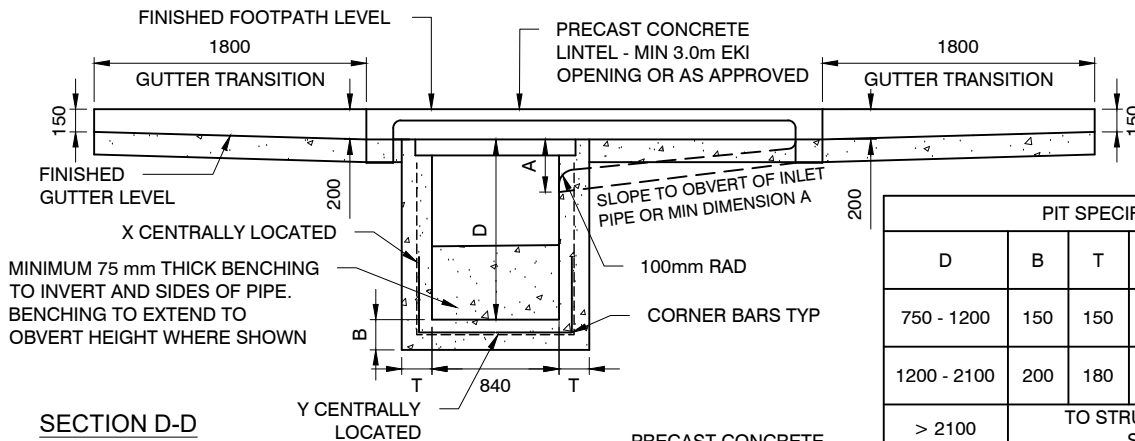
## PLAN



## SECTION B-B

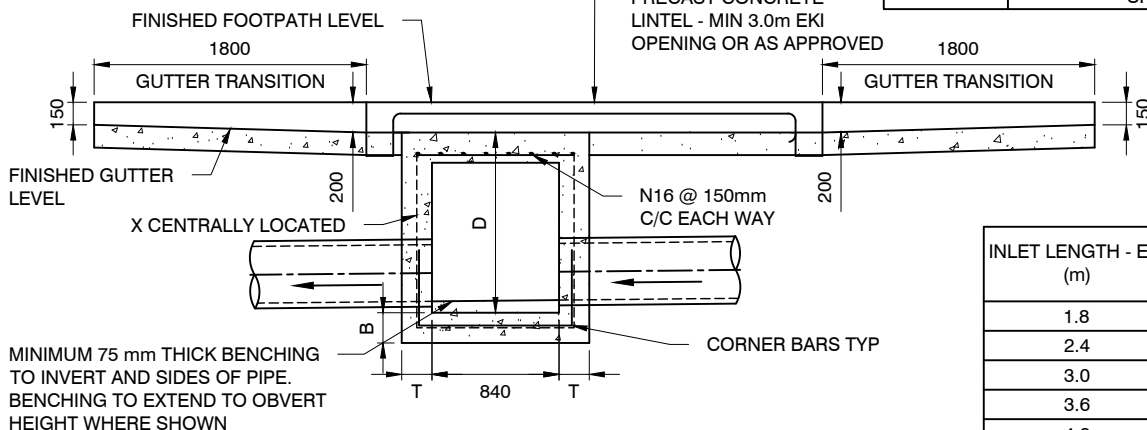


## SECTION C-C



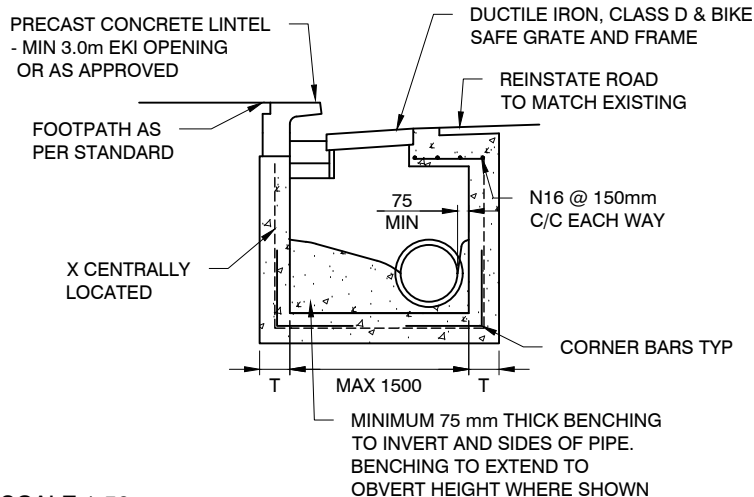
| PIT SPECIFICATIONS |                                       |     |      |      |                  |
|--------------------|---------------------------------------|-----|------|------|------------------|
| D                  | B                                     | T   | X    | Y    | CORNER BARS      |
| 750 - 1200         | 150                                   | 150 | SL82 | SL81 | N12-300<br>L 500 |
| 1200 - 2100        | 200                                   | 180 | SL81 | SL81 | N12-200<br>L 600 |
| > 2100             | TO STRUCTURAL ENGINEERS SPECIFICATION |     |      |      |                  |

## SECTION D-D



| INLET LENGTH - EKI (m) | MINIMUM DIMENSION A (mm) |
|------------------------|--------------------------|
| 1.8                    | 250                      |
| 2.4                    | 300                      |
| 3.0                    | 400                      |
| 3.6                    | 450                      |
| 4.2                    | 500                      |

## SECTION A-A

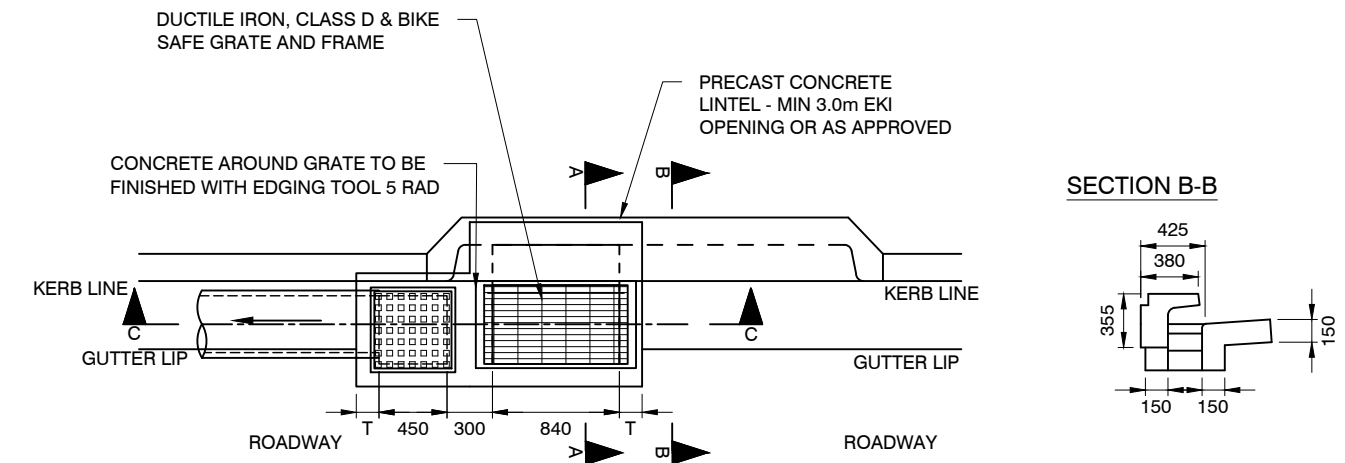


### NOTES:

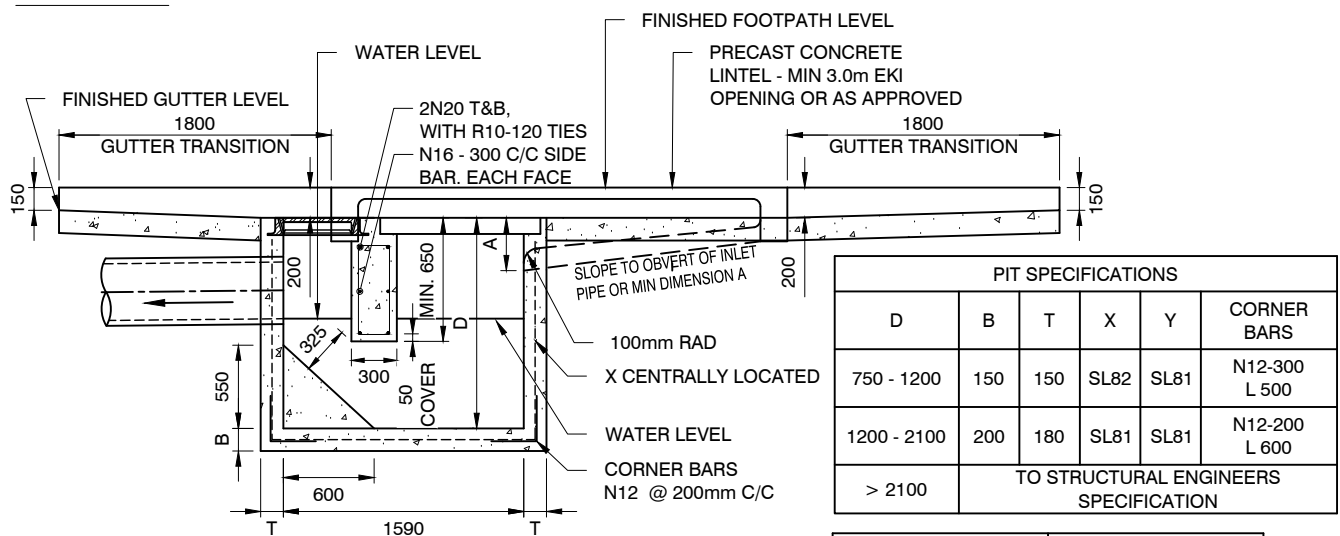
1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

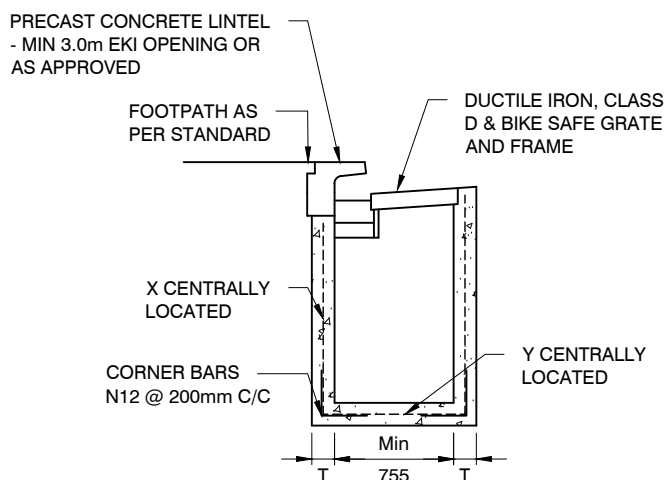
## PLAN



SECTION C-C



## SECTION A-A

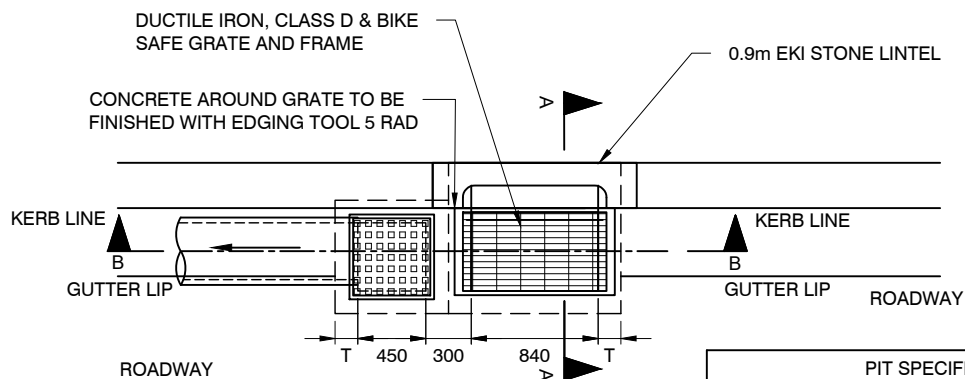


SCALE 1:50

NOTES:

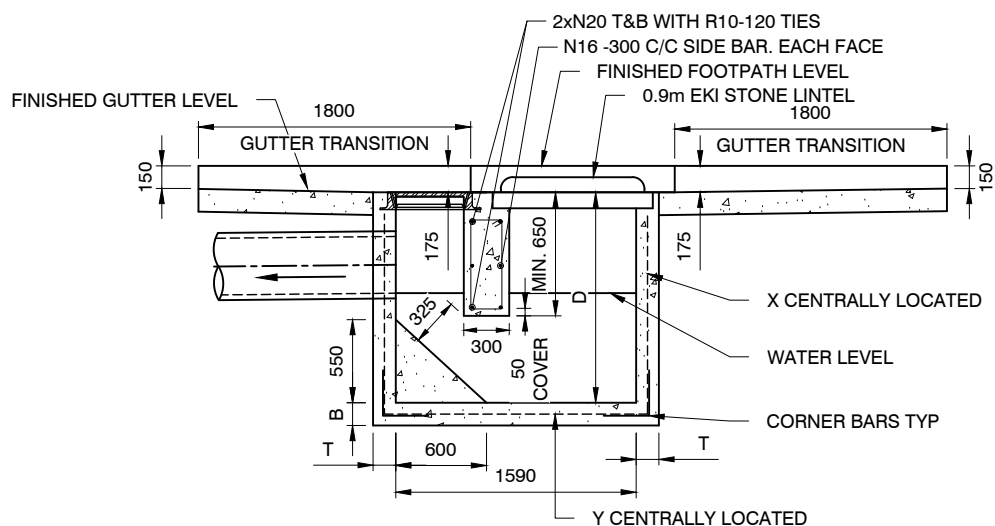
1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNLESS NOTED OTHERWISE.
8. DRAINAGE PIPE TO BE MINIMUM Ø375 CLASS 4 REINFORCED CONCRETE PIPE.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

## PLAN

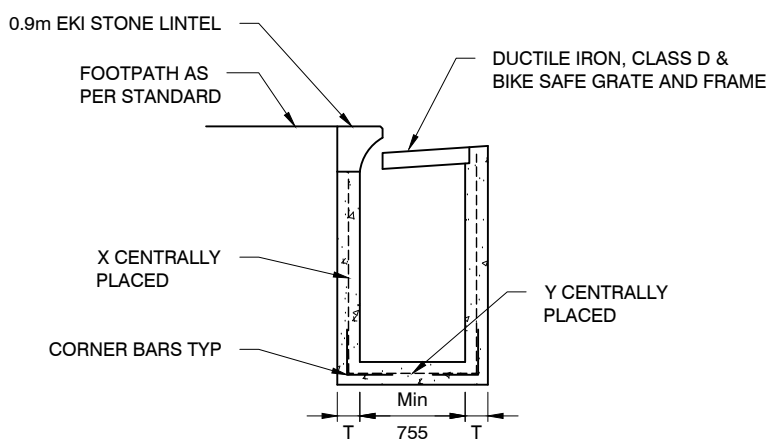


| PIT SPECIFICATIONS |                                       |     |      |      |               |
|--------------------|---------------------------------------|-----|------|------|---------------|
| D                  | B                                     | T   | X    | Y    | CORNER BARS   |
| 750 - 1200         | 150                                   | 150 | SL82 | SL81 | N12-300 L 500 |
| 1200 - 2100        | 200                                   | 180 | SL81 | SL81 | N12-200 L 600 |
| > 2100             | TO STRUCTURAL ENGINEERS SPECIFICATION |     |      |      |               |

## SECTION B-B



## SECTION A-A

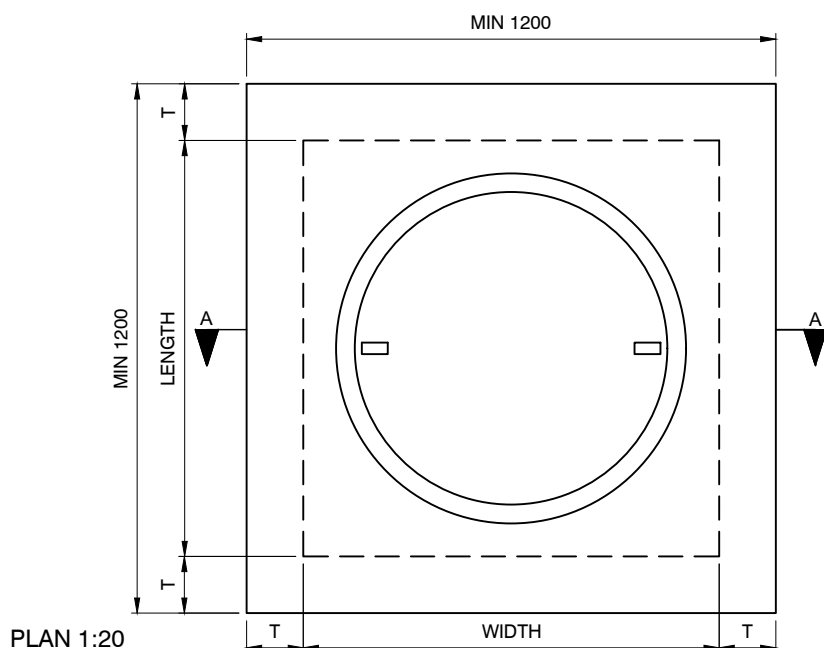


### NOTES:

- COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
- 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
- PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
- PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
- GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
- CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
- DRAINAGE PIPE TO MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

## MANHOLE COVER AND FRAME



PIT LID IS A CLASS D DUCTILE IRON HINGED LID

| PIT SPECIFICATIONS |                                       |     |      |      |                  |
|--------------------|---------------------------------------|-----|------|------|------------------|
| D                  | B                                     | T   | X    | Y    | CORNER BARS      |
| 750 - 1200         | 150                                   | 150 | SL82 | SL81 | N12-300<br>L 500 |
| 1200 - 2100        | 200                                   | 180 | SL81 | SL81 | N12-200<br>L 600 |
| > 2100             | TO STRUCTURAL ENGINEERS SPECIFICATION |     |      |      |                  |

### SECTION A-A

VARIABLE HEIGHT TO ALLOW FOR ADJUSTMENT OF MANHOLE COVER TO SUIT DESIGN SURFACE LEVELS AND GRADING. LID MAY BE RECESSED INTO THE CONVERTER SLAB AS REQUIRED. ADJUST NUMBER OF RISERS AS REQUIRED.

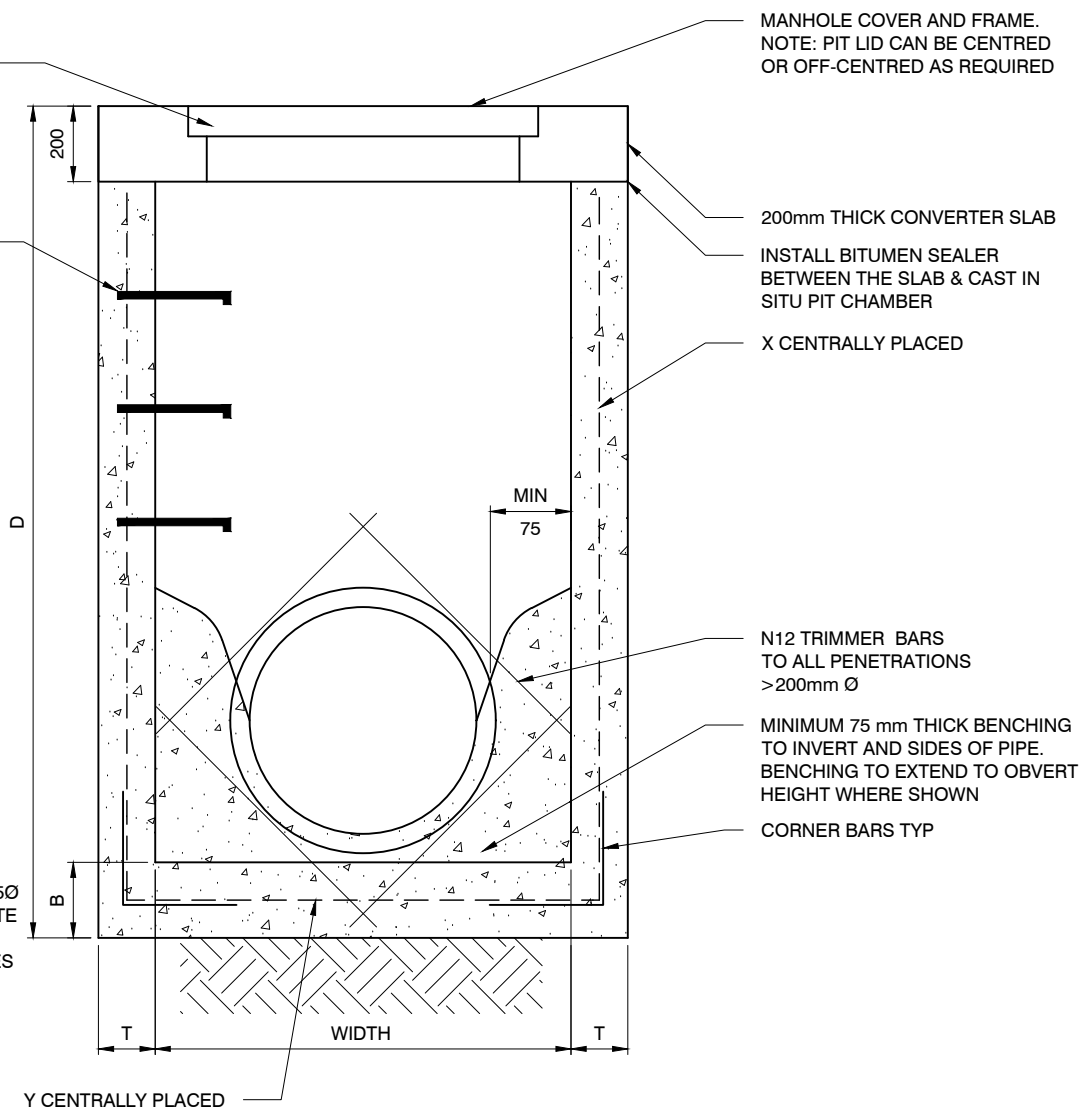
STEP IRONS REQUIRED @300mm SPACINGS IF DEPTH OF PIT IS GREATER THAN 1.0m AS PER STANDARD DETAIL

| MINIMUM DIMENSIONS OF PIT (mm) |       |        |
|--------------------------------|-------|--------|
| Ø OF OUTLET ON STRAIGHT        | WIDTH | LENGTH |
| UP TO 750                      | 900   | 900    |
| 825 TO 900                     | 1200  | 1200   |
| 1050                           | 1200  | 1200   |
| 1200                           | 1350  | 1200   |
| 1350                           | 1500  | 1200   |
| 1500                           | 1650  | 1200   |
| 1650                           | 1800  | 1200   |
| 1800                           | 1950  | 1200   |

#### NOTES:

- ALL CONCRETE IS TO HAVE MINIMUM STRENGTH OF 32MPa.
- DRAINAGE PIPE TO MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

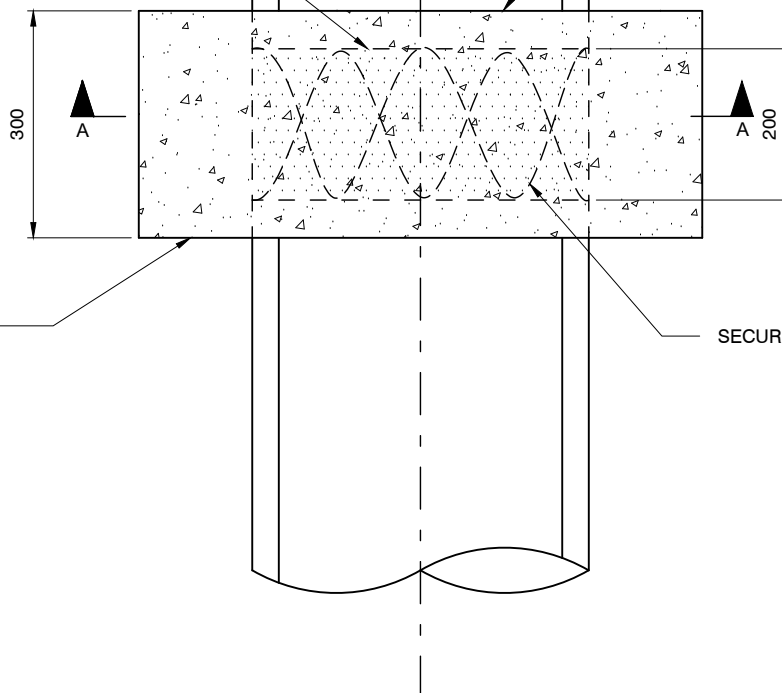
SECTION 1:20



# PLAN

WRAP FLASHTAC TAPE WITH 100mm  
OVERLAY ON EACH SIDE OF JOINT

CLEAN PIPE SURFACES PRIOR TO  
CONSTRUCTING THE BANDAGE JOINT



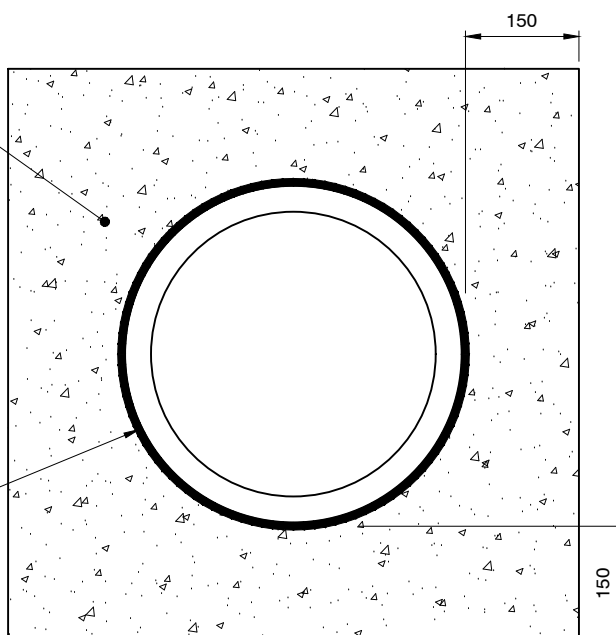
ENCASE WITH MASS CONCRETE  
150mm THICK WITH 50mm OVERLAY  
ON EACH SIDE OF TAPE

SECURE TAPE WITH WIRE

## SECTION A-A

MASS CONCRETE ENCASEMENT

FLASHTAC TAPE



SCALE 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



CONCRETE PIPE TRENCH BACKFILL DETAIL

≤ 900mm DIA.

EXISTING SURFACE LEVEL

FOOTPATH/ROAD TO SUIT  
(REFER TO PAVEMENT DETAILS)

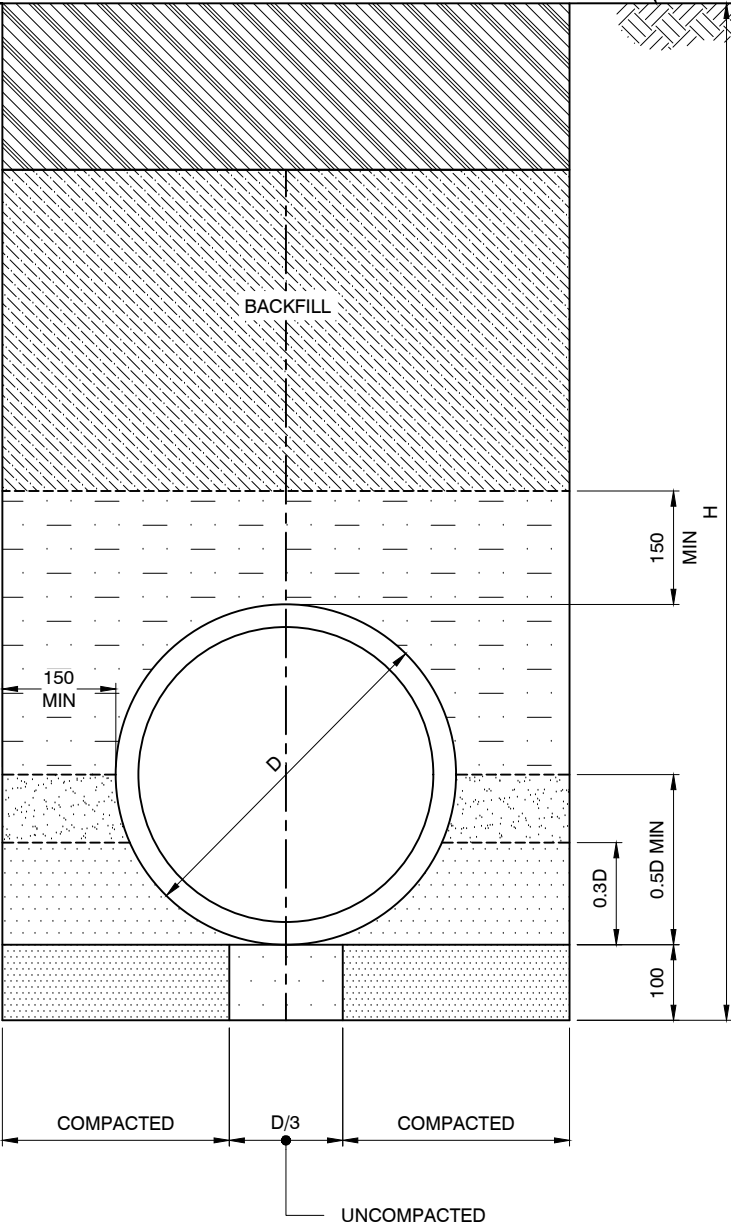
BACKFILL ZONE

OVERLAY ZONE

SIDE ZONES

HAUNCH ZONES

BED ZONE

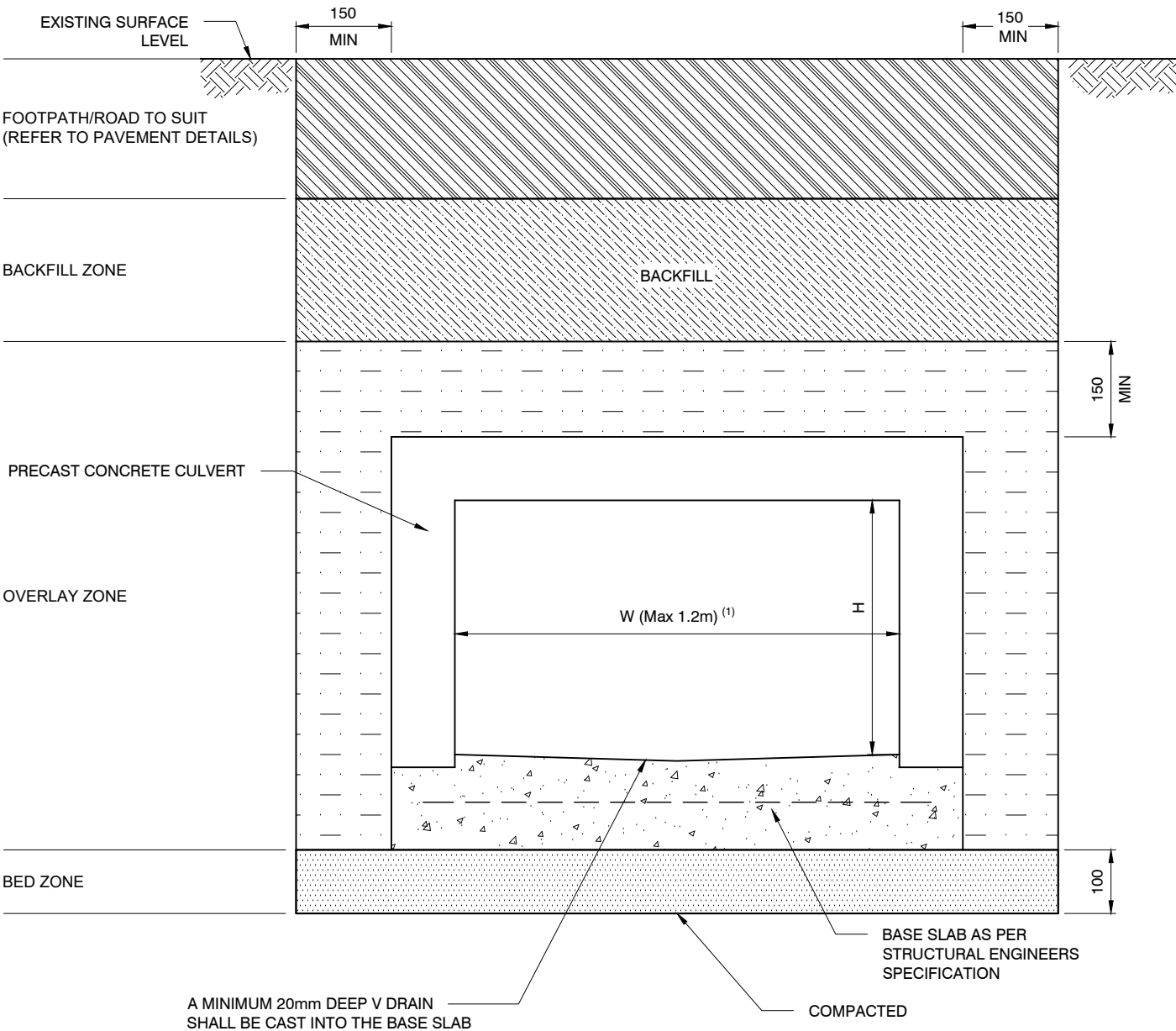


SECTION 1:10

NOTES:

1. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
2. TRENCH BACKFILL DETAIL FOR DRAINAGE PIPE GREATER THAN 900 mm DIA SHALL BE REVIEWED AND APPROVED BY COUNCIL'S REPRESENTATIVE.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CONCRETE CULVERT TRENCH BACKFILL DETAIL

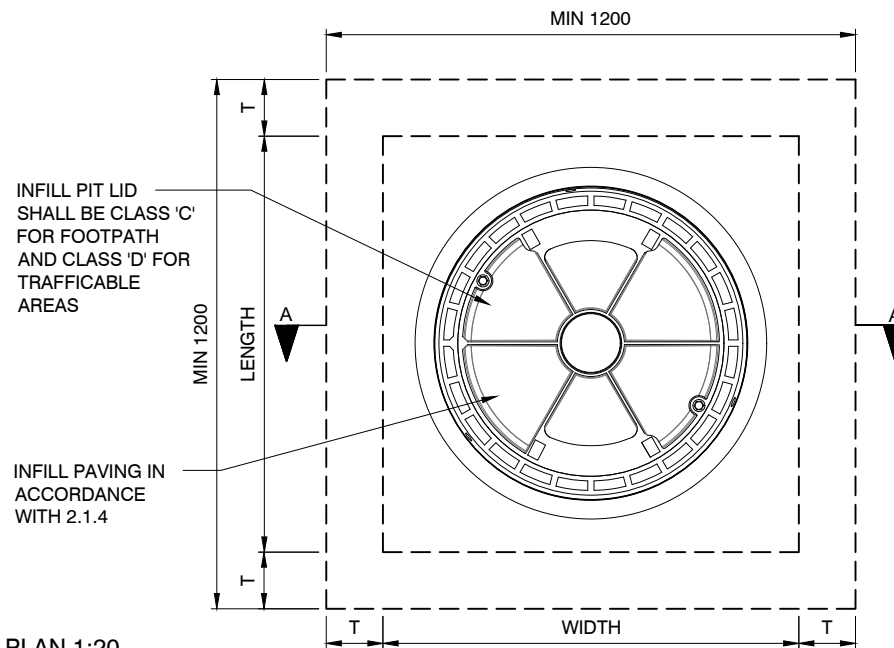


SECTION 1:10

NOTES:

1. CULVERTS WITH WIDTHS GREATER THAN 1.2 m SHALL BE CONSTRUCTED AS PER THE STRUCTURAL ENGINEER'S SPECIFICATIONS.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

## MANHOLE COVER AND FRAME



PLAN 1:20

### NOTES:

1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm
5. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
6. LAP LENGTH IS TO BE MINIMUM  $40 \times \text{BAR } \varnothing$  UNLESS NOTED OTHERWISE.
7. 100mm $\varnothing$  SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
8. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
9. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
10. DRAINAGE PIPE TO BE MINIMUM 375 $\varnothing$  CLASS 4 REINFORCED CONCRETE PIPE.
11. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

### SECTION A-A

MANHOLE COVER AND FRAME.  
NOTE: PIT LID CAN BE CENTRED  
OR OFF-CENTRED AS REQUIRED

N16-200 WITH 40mm  
CONCRETE COVER  
(TRIMMED TO SUIT COVER)

REINFORCEMENT  
(CENTRAL)

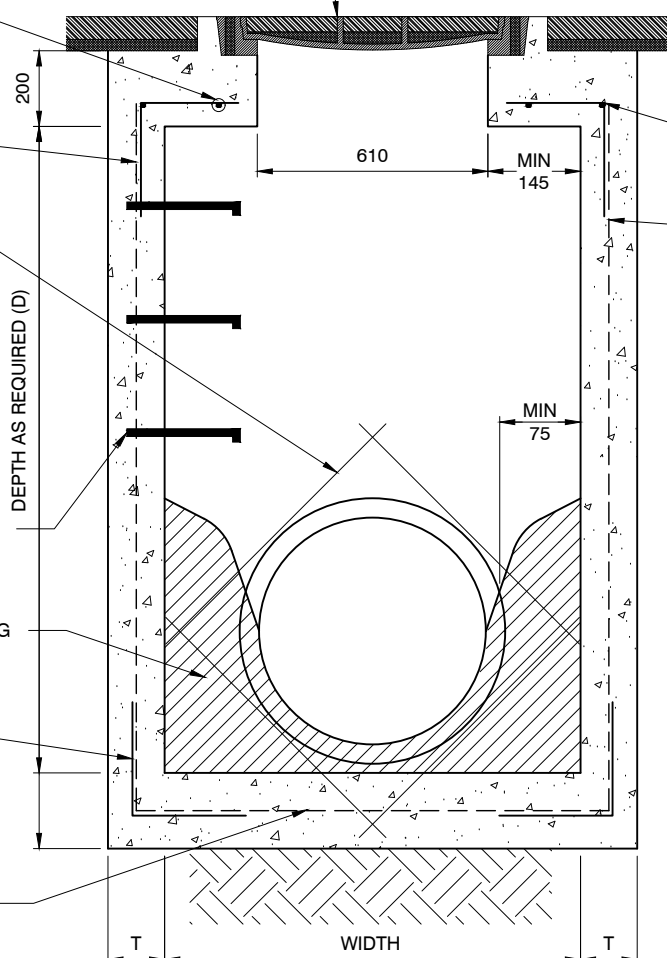
N12 TRIMMER BARS  
TO ALL PENETRATIONS  
>200mm  $\varnothing$

STEP IRONS REQUIRED @300mm  
SPACINGS IF DEPTH OF PIT IS  
GREATER THAN 1.0m AS PER  
STANDARD DETAIL

MINIMUM 75 mm THICK BENCHING  
TO INVERT AND SIDES OF PIPE.  
BENCHING TO EXTEND TO  
OVERT HEIGHT WHERE SHOWN

CORNER BARS N16 - 200  
(HORIZONTAL AND  
VERTICAL CORNERS)

REINFORCEMENT  
(CENTRAL)



| D           | B                                         | T   | REINFORCEMENT |
|-------------|-------------------------------------------|-----|---------------|
| 750 - 1300  | 200                                       | 150 | SL82          |
| 1300 - 2400 | 250                                       | 200 | SL102         |
| >2400       | AS PER STRUCTURAL ENGINEERS SPECIFICATION |     |               |

CORNER BARS N16 - 200  
(TRIMMED TO SUIT COVER)

REINFORCEMENT  
(CENTRAL)

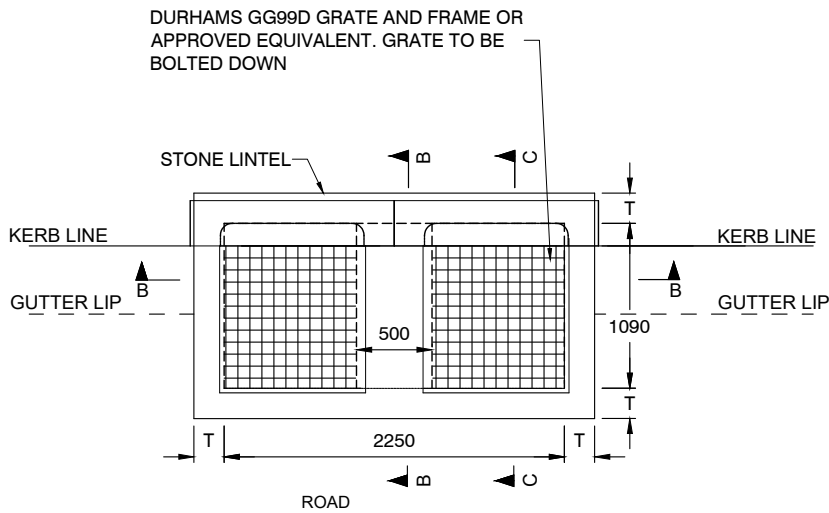
| MINIMUM DIMENSIONS OF PIT (mm)      |       |        |
|-------------------------------------|-------|--------|
| $\varnothing$ OF OUTLET ON STRAIGHT | WIDTH | LENGTH |
| UP TO 750                           | 900   | 900    |
| 825 TO 900                          | 1200  | 1200   |
| 1050                                | 1200  | 1200   |
| 1200                                | 1350  | 1200   |
| 1350                                | 1500  | 1200   |
| 1500                                | 1650  | 1200   |
| 1650                                | 1800  | 1200   |
| 1800                                | 1950  | 1200   |

SECTION 1:20

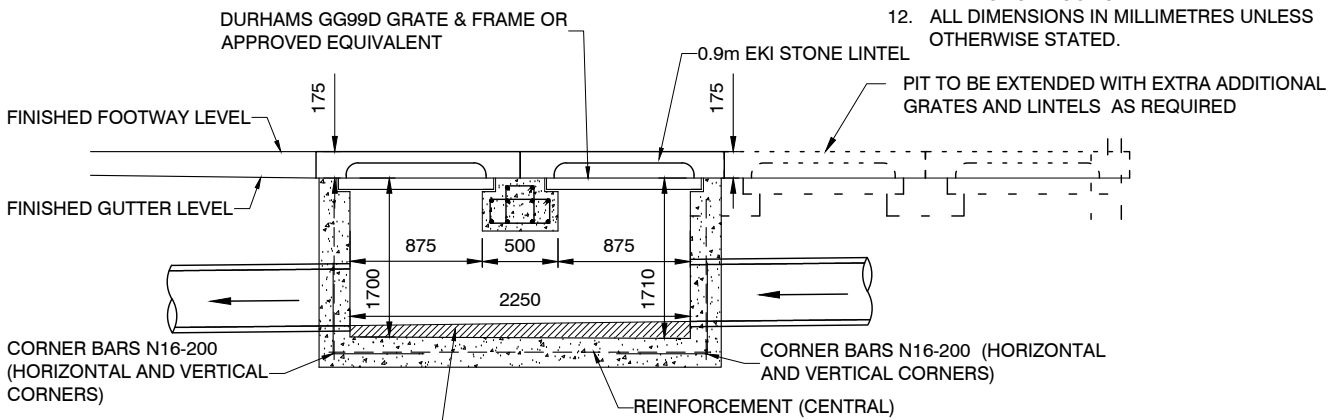


# NOTES:

1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. ALL LIGATURES TO BE MIN R10.
4. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
5. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm - B1 COVER
6. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
7. LAP LENGTH IS TO BE MINIMUM  $40 \times \text{BAR } \varnothing$  UNLESS NOTED OTHERWISE.
8. 100mm $\varnothing$  SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
9. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
10. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
11. DRAINAGE PIPE TO BE MINIMUM 375 $\varnothing$  CLASS 4 REINFORCED CONCRETE PIPE.
12. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

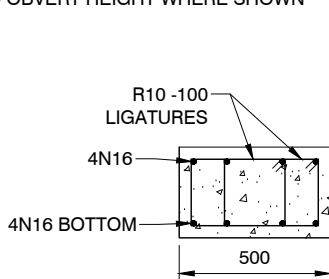


PLAN 1:50

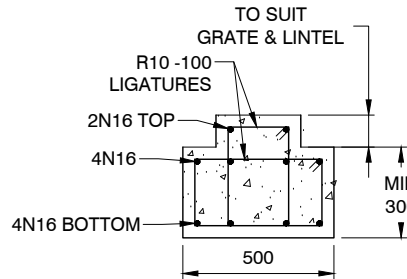


MINIMUM 75 mm THICK BENCHING TO INVERT AND SIDES OF PIPE. BENCHING TO EXTEND TO OBVERT HEIGHT WHERE SHOWN

SECTION A-A

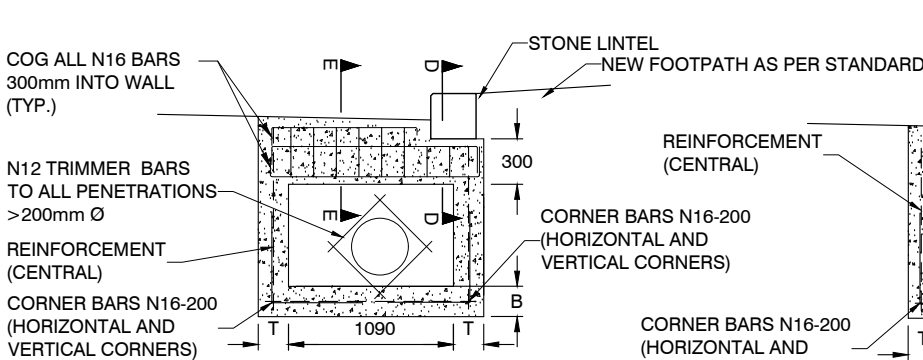


SECTION D-D

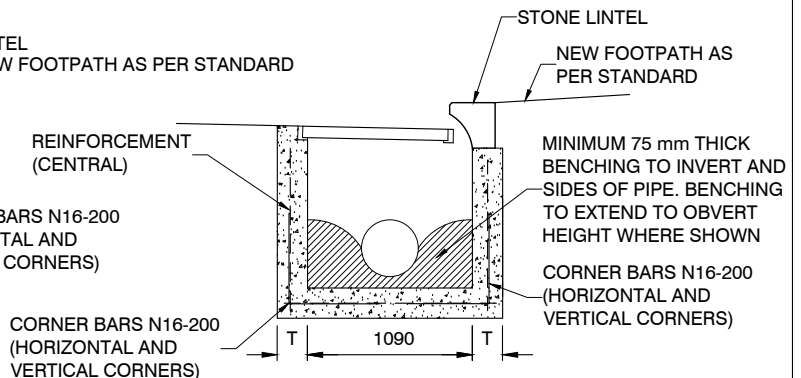


SECTION E-E

| H           | B                                         | T   | REINFORCEMENT |
|-------------|-------------------------------------------|-----|---------------|
| 750 - 1300  | 200                                       | 150 | SL82          |
| 1300 - 2400 | 250                                       | 200 | SL102         |
| >2400       | AS PER STRUCTURAL ENGINEERS SPECIFICATION |     |               |

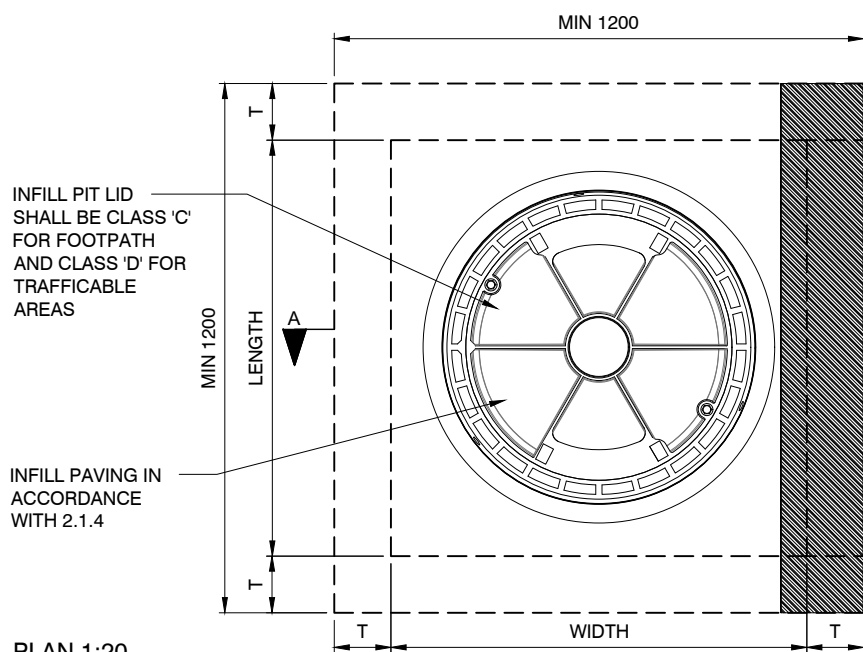


SECTION B-B



SECTION C-C

## MANHOLE COVER AND FRAME

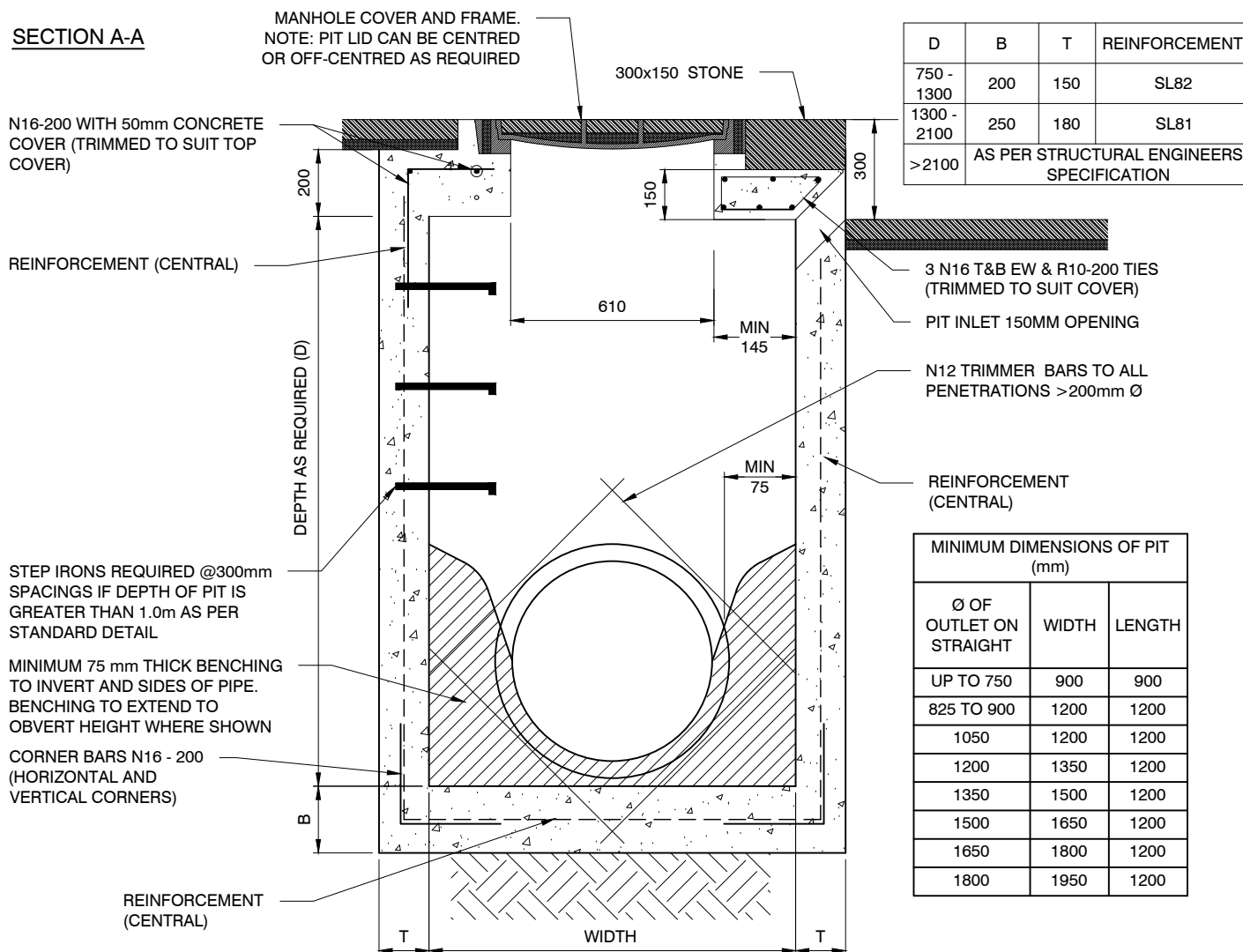


PLAN 1:20

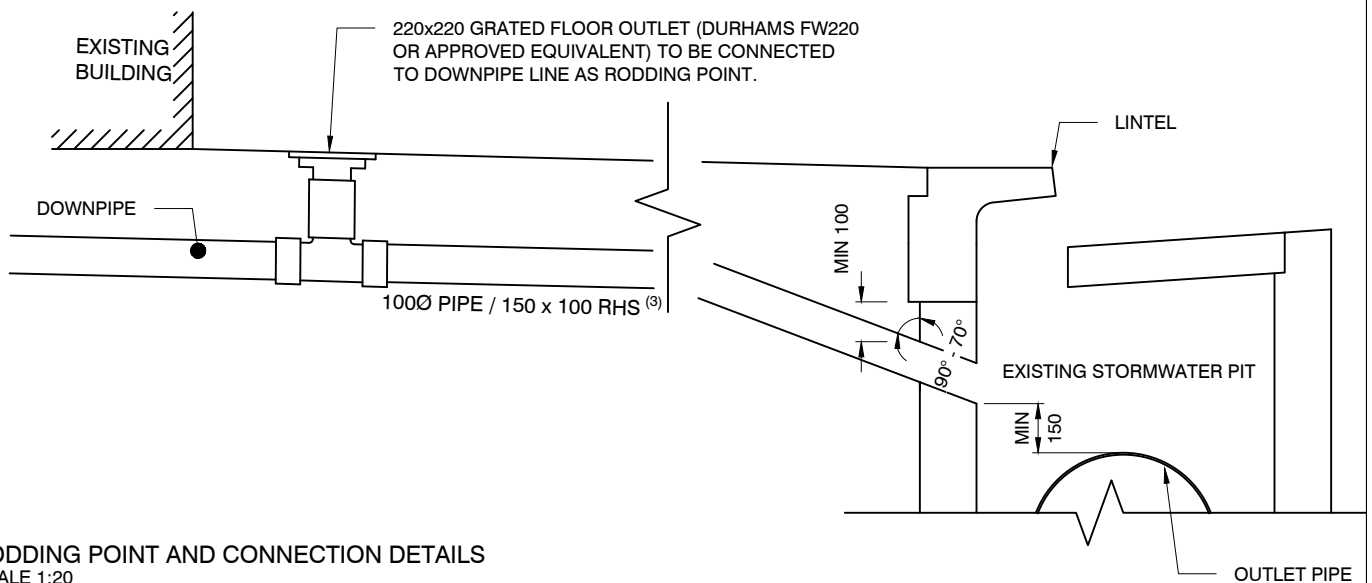
- NOTES:

1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm
5. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
6. LAP LENGTH IS TO BE MINIMUM 40 x BAR Ø UNLESS NOTED OTHERWISE.
7. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
8. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
9. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
10. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
11. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

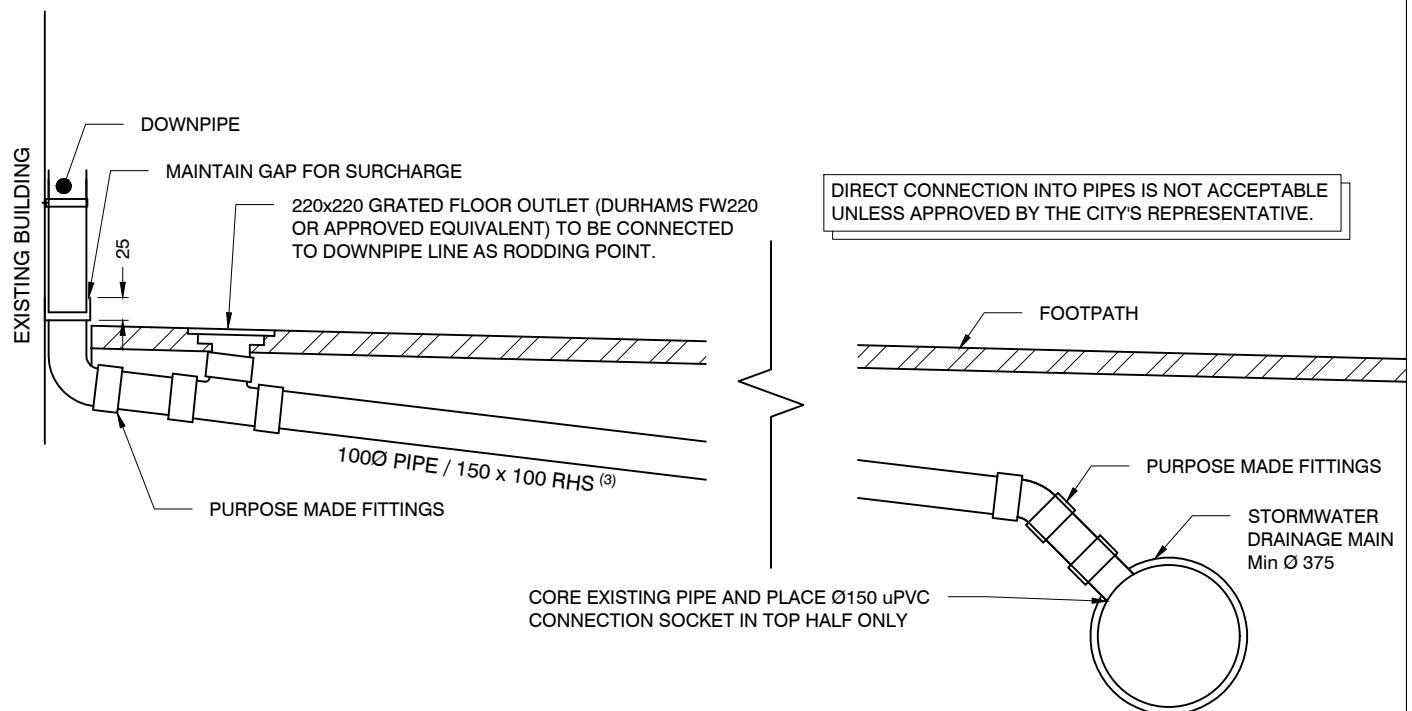
## SECTION A-A



SECTION 1:20



**RODDING POINT AND CONNECTION DETAILS**  
SCALE 1:20

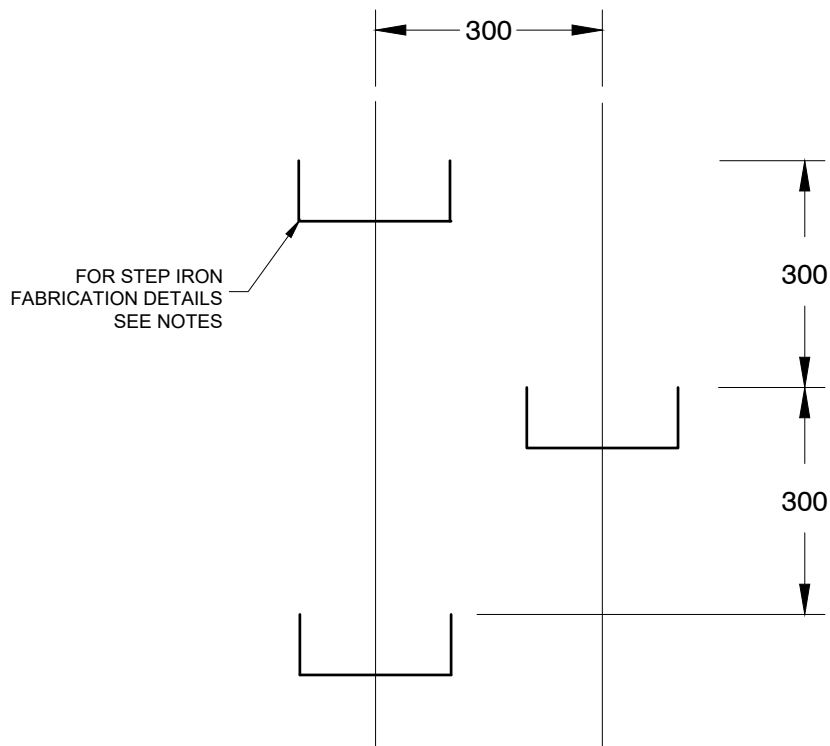


**ALTERNATIVE RODDING POINT DETAILS**  
SCALE 1:20

**ALTERNATIVE CONNECTION DETAILS (ONLY IF APPROVED)**  
SCALE 1:20

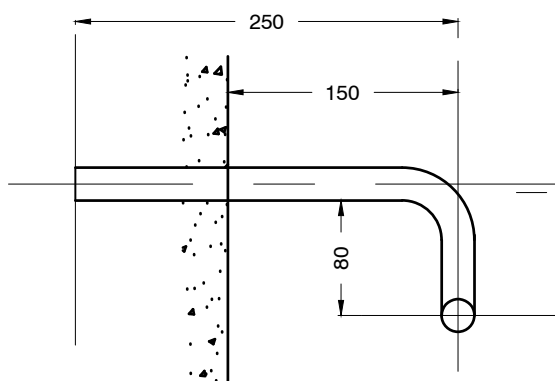
**NOTES:**

1. ALL CONNECTIONS SHALL BE CORE DRILLED AND SEALED WITH A NON-SHRINK GROUT.
2. PIPE SHALL COMPLY WITH TECHNICAL SPECIFICATIONS FOR DIRECT CONNECTIONS.
3. FOR DISCHARGE VIA A KERB OUTLET, WHERE FOOTPATH PAVERS ARE THICKER THAN 40 MM, 150 X 50 mm GALVANIZED RHS WITH 5 MM THICKNESS CAN BE USED. REFER TO STANDARD DRAWING 1.1.14.
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



STEP IRON ARRANGEMENT

ELEVATION 1:10



SECTION 1:5

NOTES:

1. STEP IRONS MUST BE FABRICATED FROM 20mm Ø M.S.
2. ALL BENDS MUST BE FORMED AROUND 12mm diameter PIN.
3. STEP IRONS MUST BE HOT-DIPPED GALVANISED.
4. STEP IRONS MUST BE LOCATED:
  - (i) DIRECTLY BELOW THE OPENING OF THE COVER.
  - (ii) DESIRABLY ON A WALL WITHOUT PIPE OPENINGS.
  - (iii) DESIRABLY ON ONE OF THE LONG SIDES OF THE PIT.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.