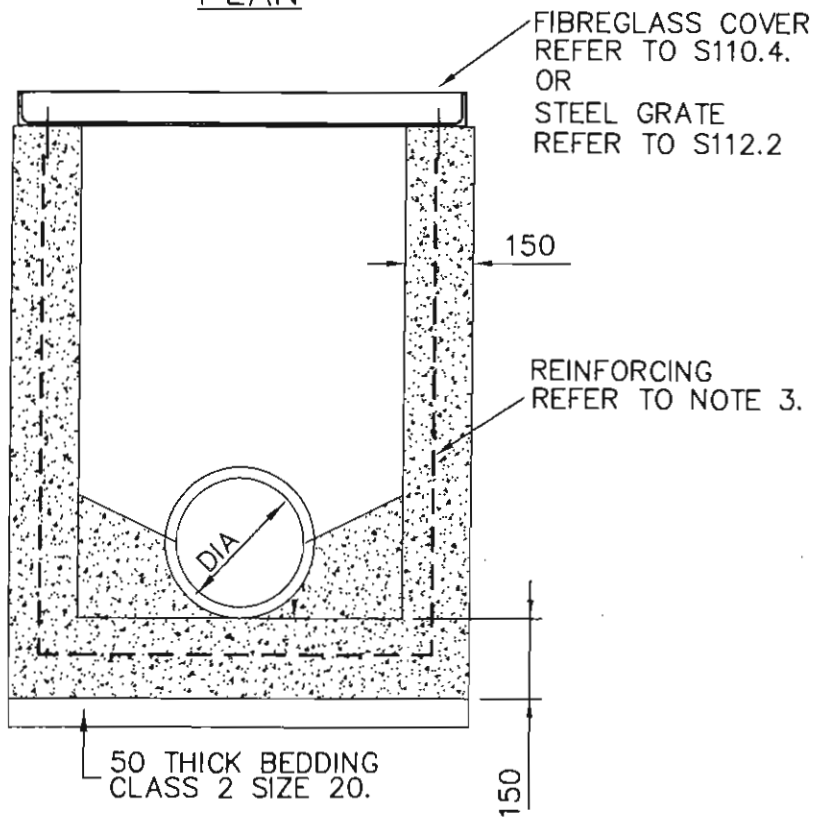


PLAN



SECTION A-A

**NOTES**

1. FOR PITS GREATER THAN 800 DEEP, USE S110.2 (600 x 900 PIT).
2. PROVIDE 50 DIA WEEPHOLE AT INVERT LEVEL OF ALL INLETS.
3. PITS LOCATED WITHIN A ROAD SHALL BE REINFORCED WITH SL82 MESH CENTRALLY PLACED IN WALLS AND FLOOR. LAPS TO BE 300 MINIMUM.
4. PROVIDE 50 MINIMUM FALL THROUGH ALL PITS.
5. FOR VICROADS MAIN ROAD PITS, USE VICROADS APPROVED CONCRETE COVERS AND FRAMES.

CHECKED

APPROVED

SCALE

N.T.S.

**KNOX CITY COUNCIL**

JUNCTION PIT 600 X 600  
(UP TO 800 DEEP)

DATE

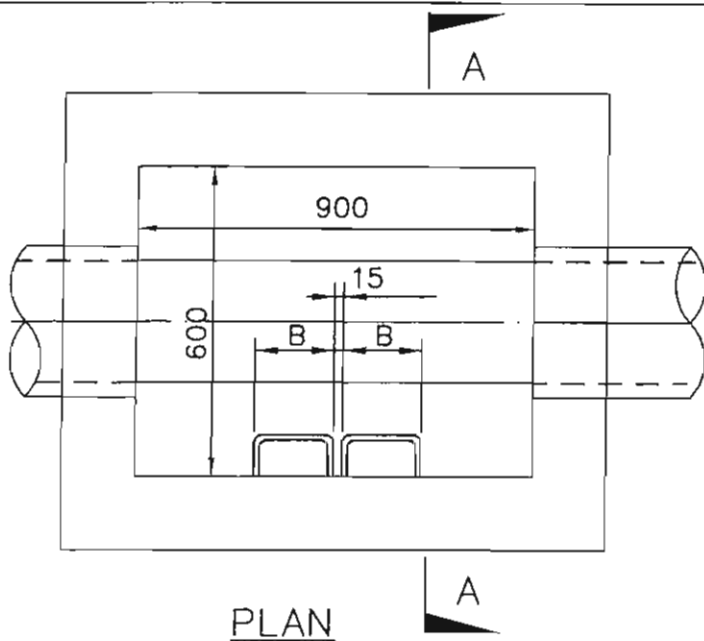
8-02-2012

REVISION

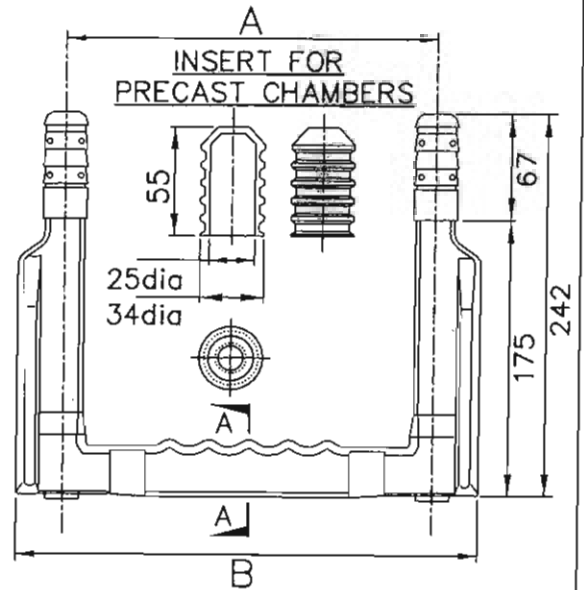
C

CAD FILE NAME

S 110.1



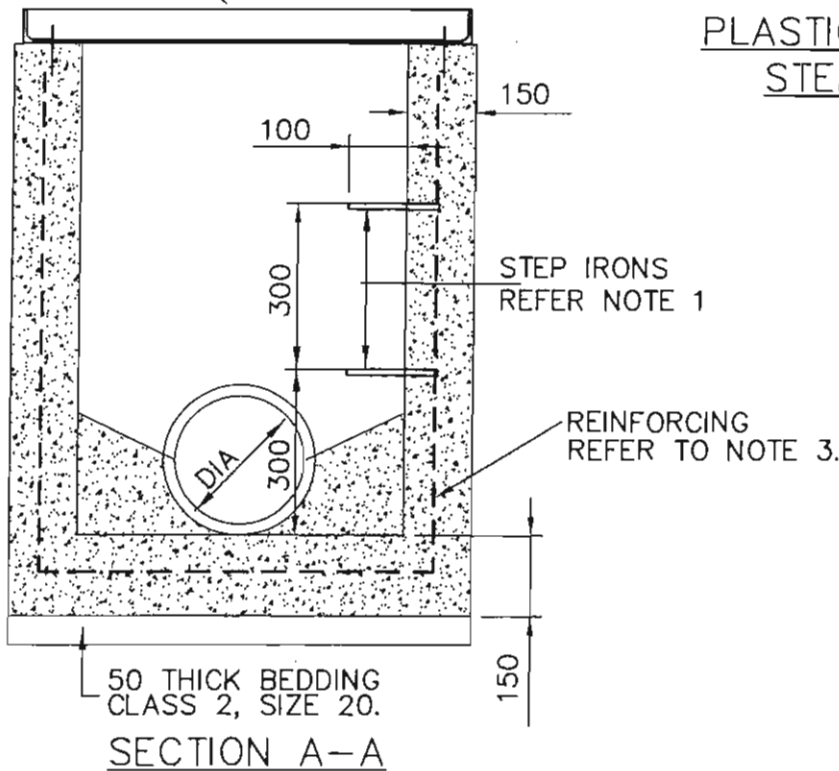
PLAN



|   | MWT203 | MWT253 | MWT403 |
|---|--------|--------|--------|
| A | 175    | 225    | 375    |
| B | 230    | 280    | 430    |

PLASTIC ENCAPSULATED  
STEP IRON DETAIL

FIBREGLASS COVER  
REFER TO S112.2.  
OR STEEL GRATE  
REFER TO S120.1



SECTION A-A

NOTES

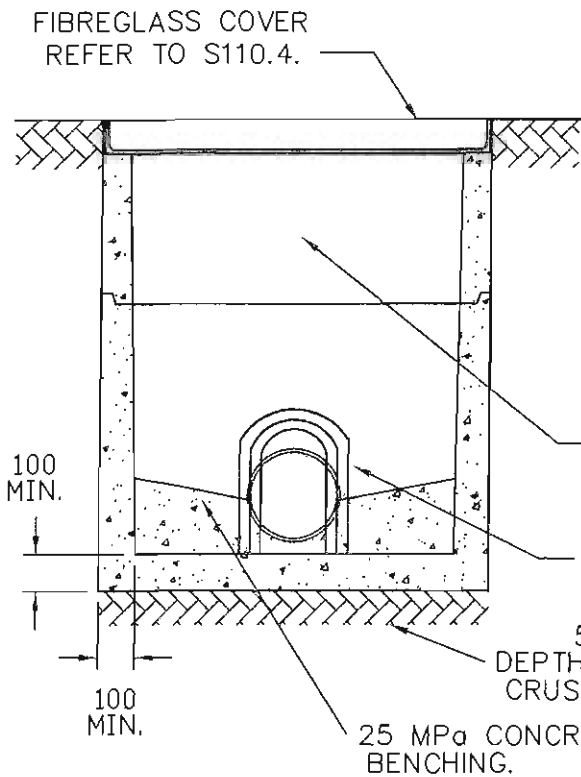
1. ALL PITS GREATER THAN 900 DEEP TO BE FITTED WITH PLASTIC ENCAPSULATED STEP IRONS.
2. PROVIDE 50 DIA WEEPHOLE AT INVERT LEVEL OF ALL INLETS.
3. PITS LOCATED WITHIN A ROAD SHALL BE REINFORCED WITH SL82 MESH CENTRALLY PLACED IN WALLS AND FLOOR. LAPS TO BE 300 MINIMUM.
4. PROVIDE 50 MINIMUM FALL THROUGH ALL PITS.
5. FOR VICROADS MAIN ROAD PITS, USE VICROADS APPROVED CONCRETE COVERS AND FRAMES.

CHECKED  
*[Signature]*  
APPROVED  
*[Signature]*  
SCALE  
N.T.S.

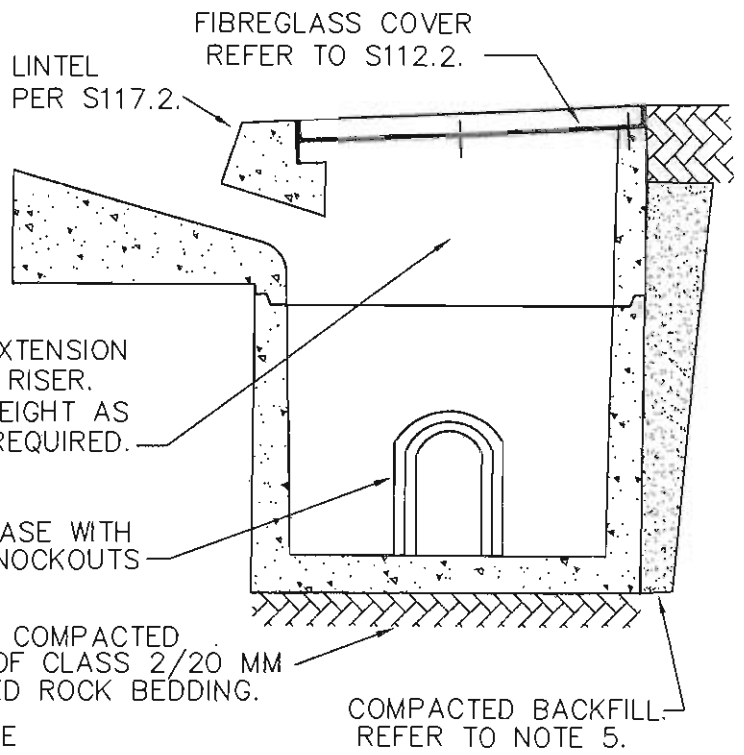
KNOX CITY COUNCIL

JUNCTION PIT 600 X 900

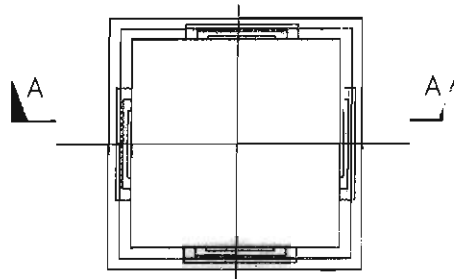
DATE  
9-02-2012  
REVISION  
C  
CAD FILE NAME  
S 110.2



**SECTION A-A**

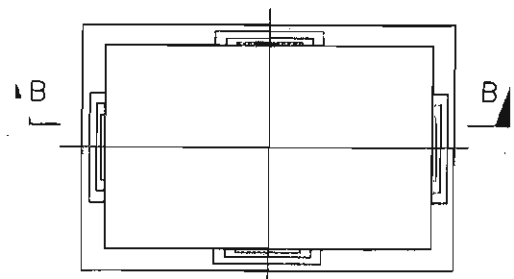


**SECTION B-B**



**JUNCTION PIT**

600 X 600 MIN.  
INTERNAL DIMENSIONS  
(FOR PITS GREATER THAN 800  
DEEP USE 900 X 600 ID.)



**SIDE ENTRY PIT**

900 X 600 MIN.  
INTERNAL DIMENSIONS

**PLAN**

**NOTES**

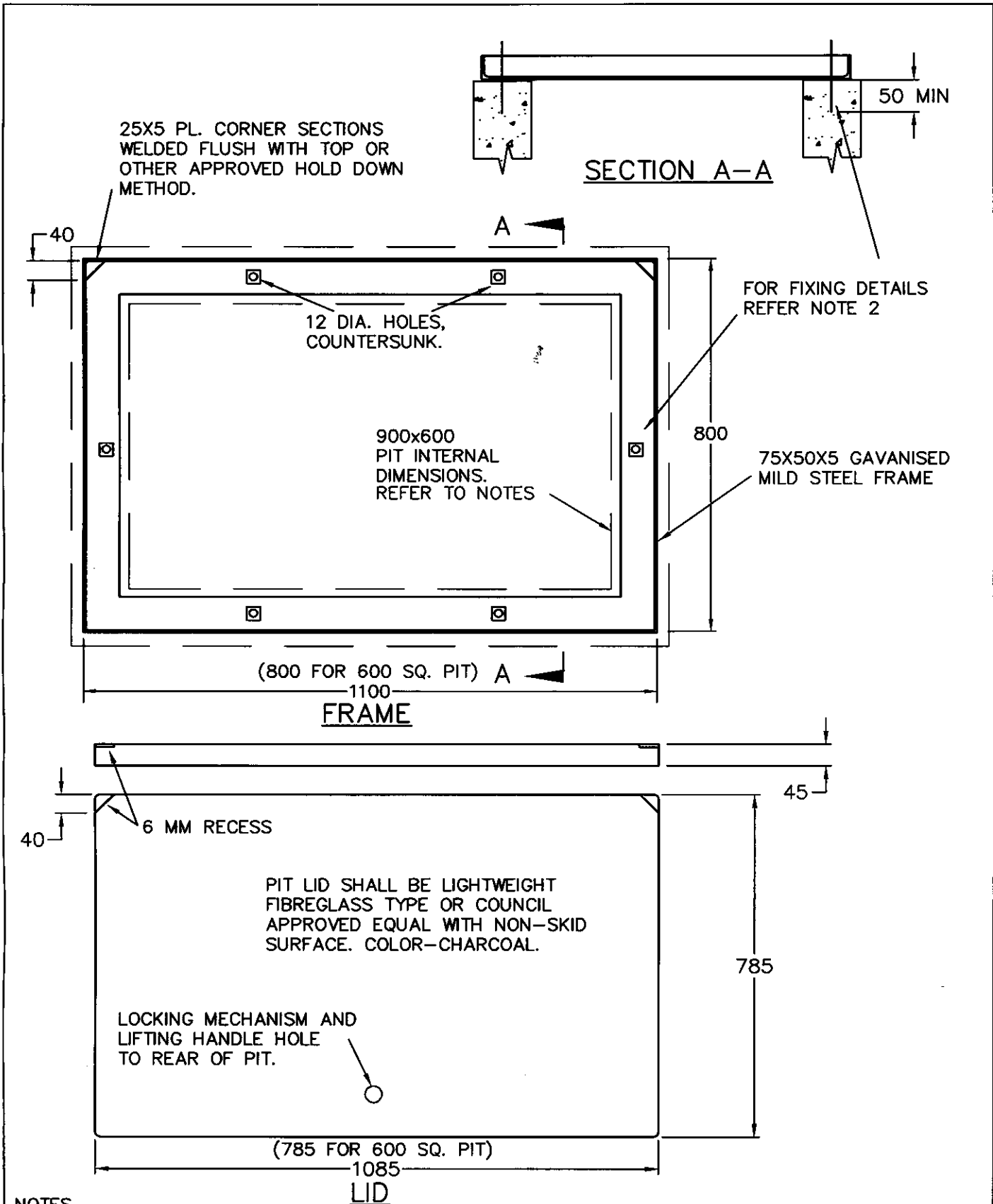
1. PLASTIC ENCAPSULATED STEP IRONS SHALL BE USED IN ALL PITS GREATER THAN 900 DEEP AND BE SPACED AT 300 CRS. COMMENCING 300 FROM INVERT OF PIT.
2. ALL PRE-CAST SECTIONS TO BE CAST FROM 35 MPa CONCRETE.
3. FOR VICROADS MAIN ROAD PITS, USE VICROADS APPROVED CONCRETE COVERS AND FRAMES. TYPE M1, M2, M3.
4. PROVIDE 50 DIA. WEEPHOLE AT INVERT LEVEL OF ALL INLETS.
5. BACKFILL AROUND PITS WITH COMPACTED CLASS 2/20 MM CRUSHED ROCK WHERE ADJACENT TO ROADS/FOOTPATHS. BACKFILL WITH COMPACTED SOIL ELSEWHERE. REFER TO SPECIFICATION FOR COMPACTION STANDARDS.

|                                |
|--------------------------------|
| CHECKED<br><i>[Signature]</i>  |
| APPROVED<br><i>[Signature]</i> |
| SCALE<br>N.T.S.                |

**KNOX CITY COUNCIL**



**PRE-CAST CONCRETE DRAINAGE PITS**

|                          |
|--------------------------|
| DATE<br>9-02-2012        |
| REVISION<br>B            |
| CAD FILE NAME<br>S 110.3 |



**NOTES**

- DIMENSIONS GIVEN ARE FOR 900X600 AND 600X600 INTERNAL DIMENSION PITS. OTHER SIZE PITS WILL REQUIRE MODIFIED FRAME AND COVER SIZES TO ENSURE FIXING BOLTS ARE LOCATED CENTRALLY IN THE PIT WALLS.
- FIX FRAME TO WALL USING 10 DIAM. DYNABOLT OR FRAME MANUFACTURERS APPROVED FIXING.

|                                                                                                 |                                                                                                      |                          |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------|
| CHECKED<br>  | <h1 style="margin: 0;">KNOX CITY COUNCIL</h1> <h2 style="margin: 0;">JUNCTION PIT LID AND FRAME</h2> | DATE<br>10-10-2018       |
| APPROVED<br> |                                                                                                      | REVISION<br>C            |
| SCALE<br>N.T.S.                                                                                 |                                                                                                      | CAD FILE NAME<br>S 110.4 |

FIBREGLASS COVER AND FRAME AS PER S112.2

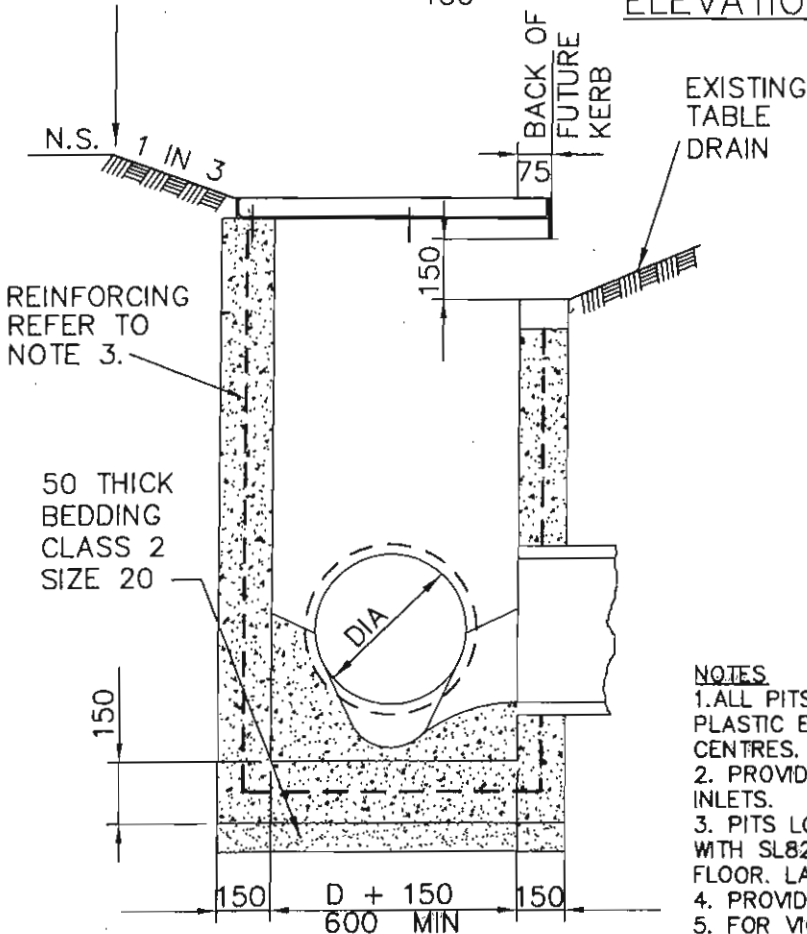
NATURAL SURFACE

NOTE: TRIM FROM BACK OF PIT TO NATURAL SURFACE AS SHOWN

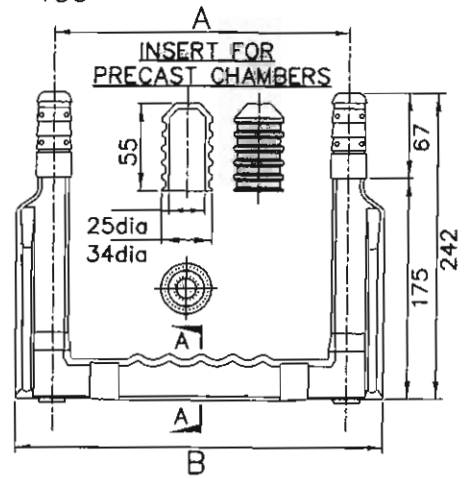
INVERT OF TABLE DRAIN

NOTE: TRIM FROM BACK OF PIT TO NATURAL SURFACE AS SHOWN

ELEVATION



SECTION B-B



|   | MWT203 | MWT253 | MWT403 |
|---|--------|--------|--------|
| A | 175    | 225    | 375    |
| B | 230    | 280    | 430    |

PLASTIC ENCAPSULATED STEP IRON DETAIL

NOTES

1. ALL PITS GREATER THAN 900 DEEP TO BE FITTED WITH PLASTIC ENCAPSULATED STEP IRONS SPACED AT 300 CENTRES.
2. PROVIDE 50 DIA WEEPHOLE AT INVERT LEVEL OF ALL INLETS.
3. PITS LOCATED WITHIN A ROAD SHALL BE REINFORCED WITH SL82 MESH CENTRALLY PLACED IN WALLS AND FLOOR. LAPS TO BE 300 MINIMUM.
4. PROVIDE 50 MINIMUM FALL THROUGH ALL PITS.
5. FOR VICROADS MAIN ROAD PITS, USE VICROADS APPROVED CONCRETE COVERS AND FRAMES.

CHECKER  
*[Signature]*

APPROVED  
*[Signature]*

SCALE  
N.T.S.

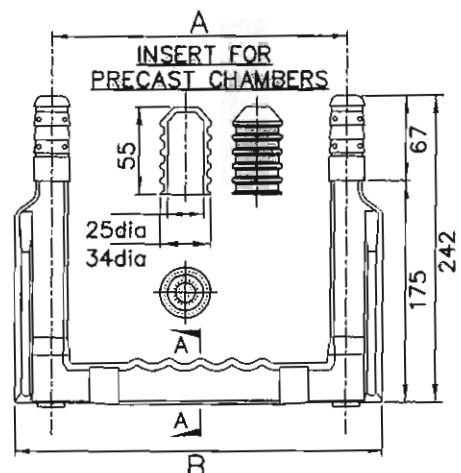
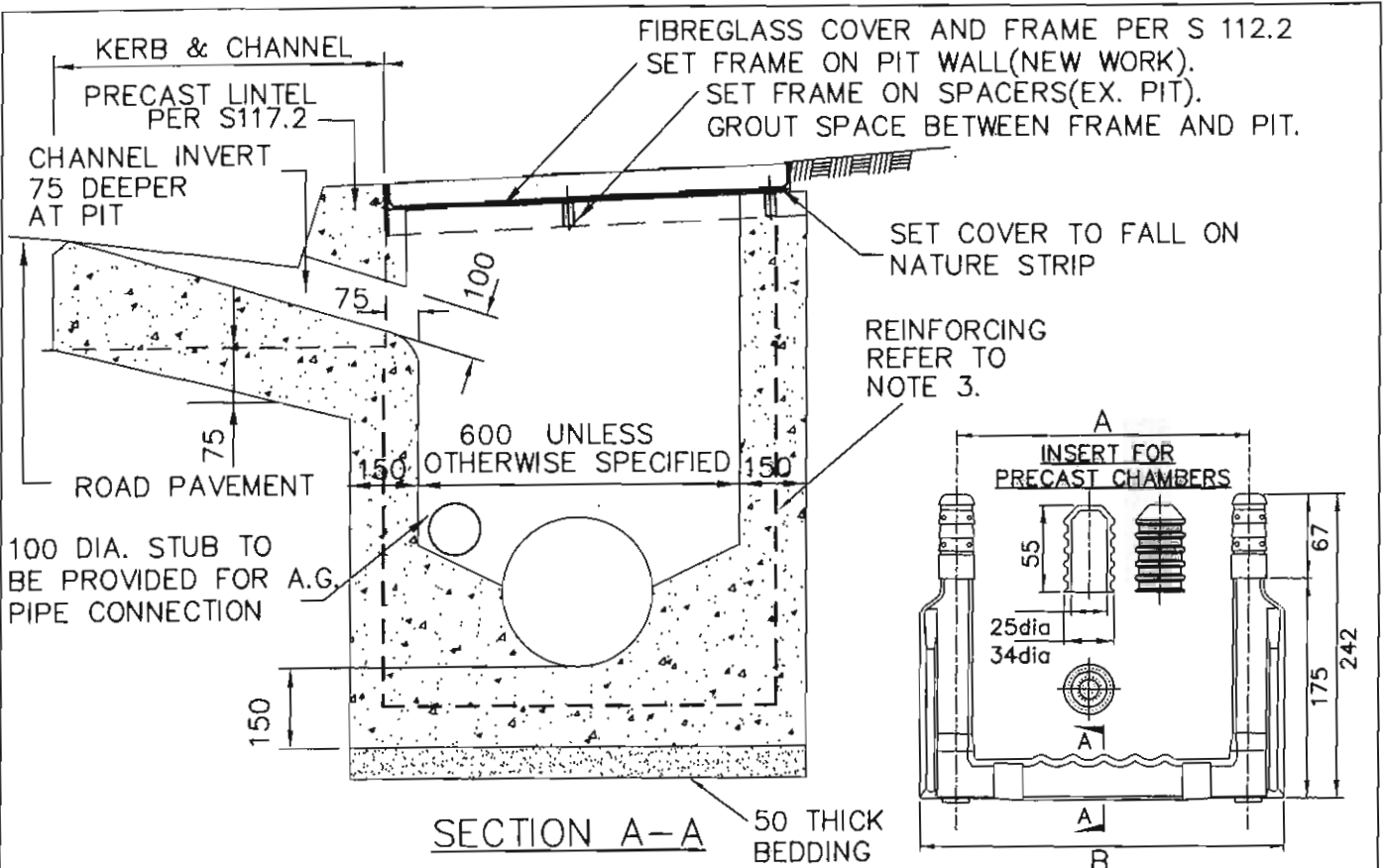
KNOX CITY COUNCIL

SIDE ENTRY PIT  
PARTIAL STREET CONSTRUCTION

DATE  
9-02-2012

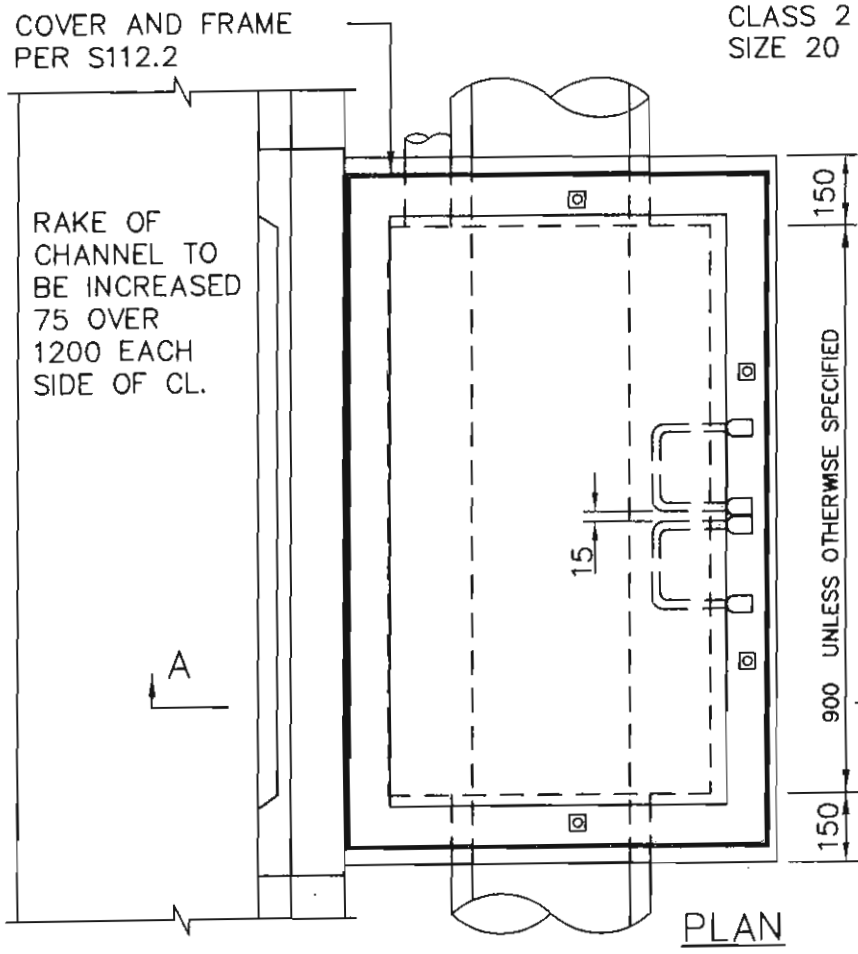
REVISION  
B

CAD FILE NAME  
S 111.1



|   | MWT203 | MWT253 | MWT403 |
|---|--------|--------|--------|
| A | 175    | 225    | 375    |
| B | 230    | 280    | 430    |

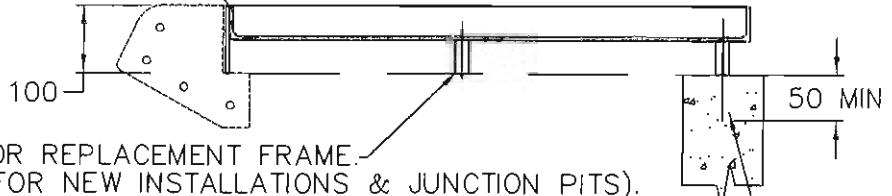
PLASTIC ENCAPSULATED STEP IRON DETAIL



- NOTES
1. ALL PITS GREATER THAN 900 DEEP TO BE FITTED WITH PLASTIC ENCAPSULATED STEP IRONS SPACED AT 300 CENTRES.
  2. PROVIDE 50 DIA WEEPHOLE AT INVERT LEVEL OF ALL INLETS.
  3. PITS LOCATED WITHIN A ROAD SHALL BE REINFORCED WITH SL82 MESH CENTRALLY PLACED IN WALLS AND FLOOR, LAPS TO BE 300 MINIMUM.
  4. PROVIDE 50 MINIMUM FALL THROUGH ALL PITS.
  5. FOR VICROADS MAIN ROAD PITS, USE VICROADS APPROVED CONCRETE COVERS AND FRAMES.
  6. LOCKING MECHANISM TO BE LOCATED TO REAR OF PIT.

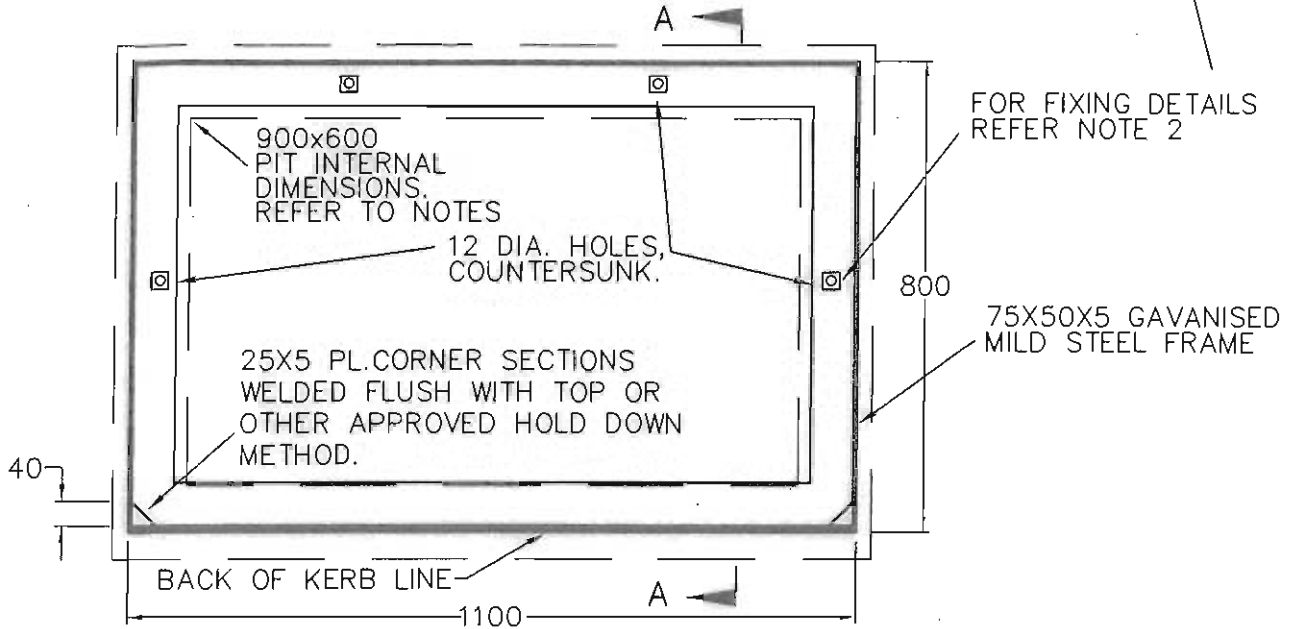
|                 |                                                       |                          |
|-----------------|-------------------------------------------------------|--------------------------|
| CHECKED<br>     | <h1>KNOX CITY COUNCIL</h1><br><h2>SIDE ENTRY PIT</h2> | DATE<br>9-02-2012        |
| APPROVED<br>    |                                                       | REVISION<br>B            |
| SCALE<br>N.T.S. |                                                       | CAD FILE NAME<br>S 112.1 |

100X5 PLATE WELDED TO FRAME  
SITS ON THE KERB LINTEL.



75 SPACERS FOR REPLACEMENT FRAME.  
(NOT REQUIRED FOR NEW INSTALLATIONS & JUNCTION PITS).  
GROUT SPACE BETWEEN FRAME AND PIT

SECTION A-A



FOR FIXING DETAILS  
REFER NOTE 2

75X50X5 GAVANISED  
MILD STEEL FRAME

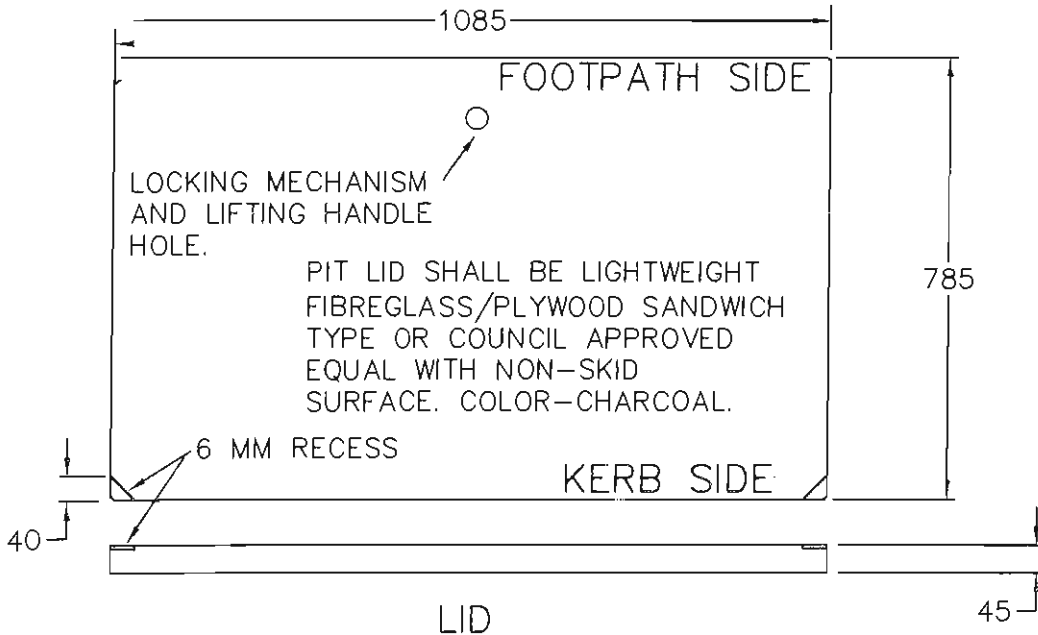
25X5 PL. CORNER SECTIONS  
WELDED FLUSH WITH TOP OR  
OTHER APPROVED HOLD DOWN  
METHOD.

900x600  
PIT INTERNAL  
DIMENSIONS.  
REFER TO NOTES

12 DIA. HOLES,  
COUNTERSUNK.

BACK OF KERB LINE

FRAME



LOCKING MECHANISM  
AND LIFTING HANDLE  
HOLE.

PIT LID SHALL BE LIGHTWEIGHT  
FIBREGLASS/PLYWOOD SANDWICH  
TYPE OR COUNCIL APPROVED  
EQUAL WITH NON-SKID  
SURFACE. COLOR-CHARCOAL.

6 MM RECESS

KERB SIDE

LID

**NOTES**

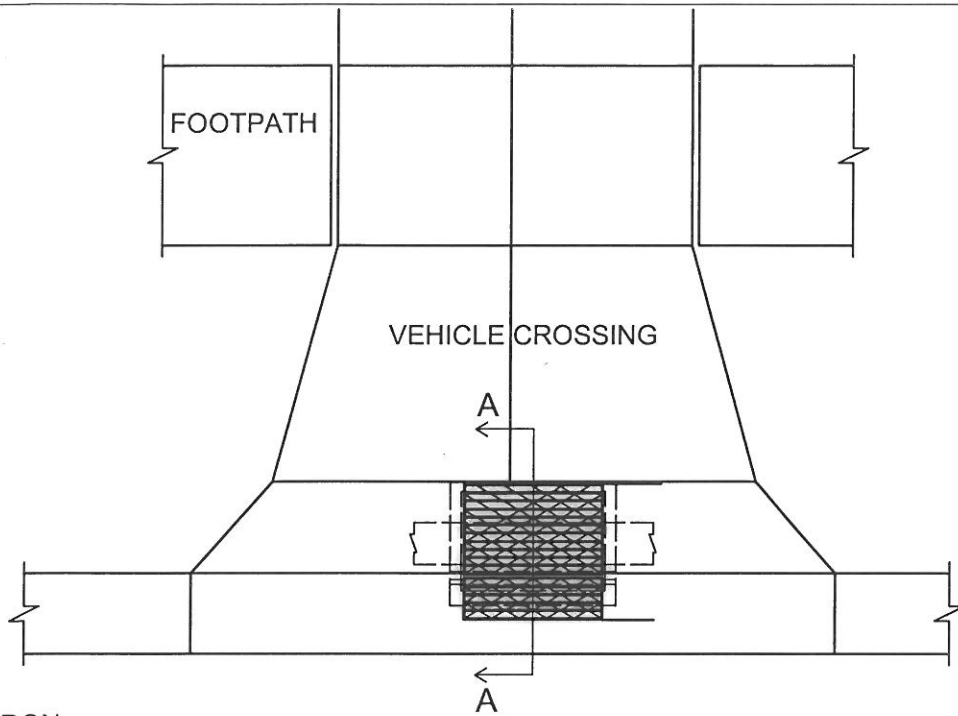
1. DIMENSIONS GIVEN ARE FOR 900X600 INTERNAL DIMENSION PITS. OTHER SIZE PITS WILL REQUIRE MODIFIED FRAME AND COVER SIZES TO ENSURE FIXING BOLTS ARE LOCATED CENTRALLY IN THE PIT WALLS.
2. FIX FRAME TO WALL USING 10 DIAM. DYNABOLT OR FRAME MANUFACTURERS APPROVED FIXING.

|                 |
|-----------------|
| CHECKED<br>     |
| APPROVED<br>    |
| SCALE<br>N.T.S. |

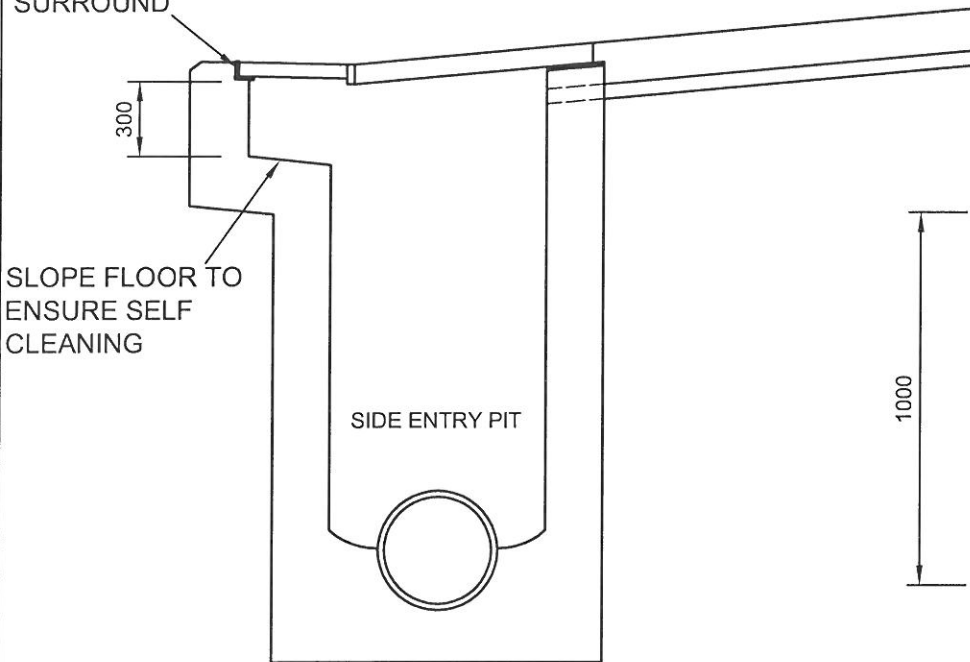
**KNOX CITY COUNCIL**

SIDE ENTRY PIT & JUNCTION PIT  
LID AND FRAME

|                          |
|--------------------------|
| DATE<br>7-02-2012        |
| REVISION<br>D            |
| CAD FILE NAME<br>S 112.2 |



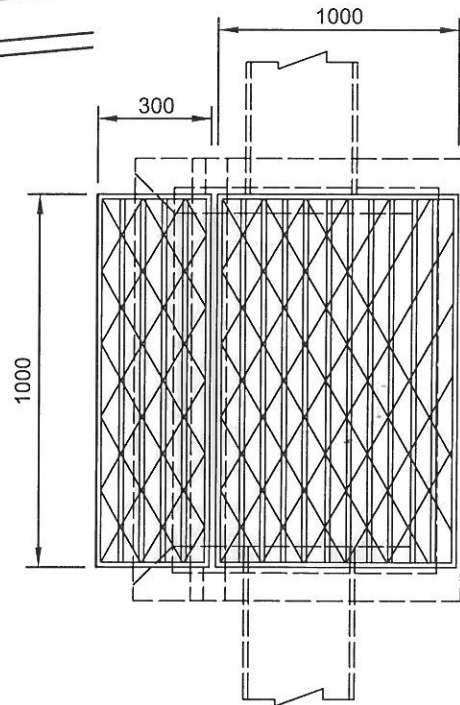
GALV. ANGLE IRON SURROUND



SLOPE FLOOR TO ENSURE SELF CLEANING



SIDE ENTRY PIT

**SECTION A-A**



**NOTES**

1. ALL FRAMES AND GRATE SHALL BE HEAVY GALVANIZED TO THE REQUIREMENTS OF AS 4791.
2. GRATES AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF AS3996 - CLASS D.

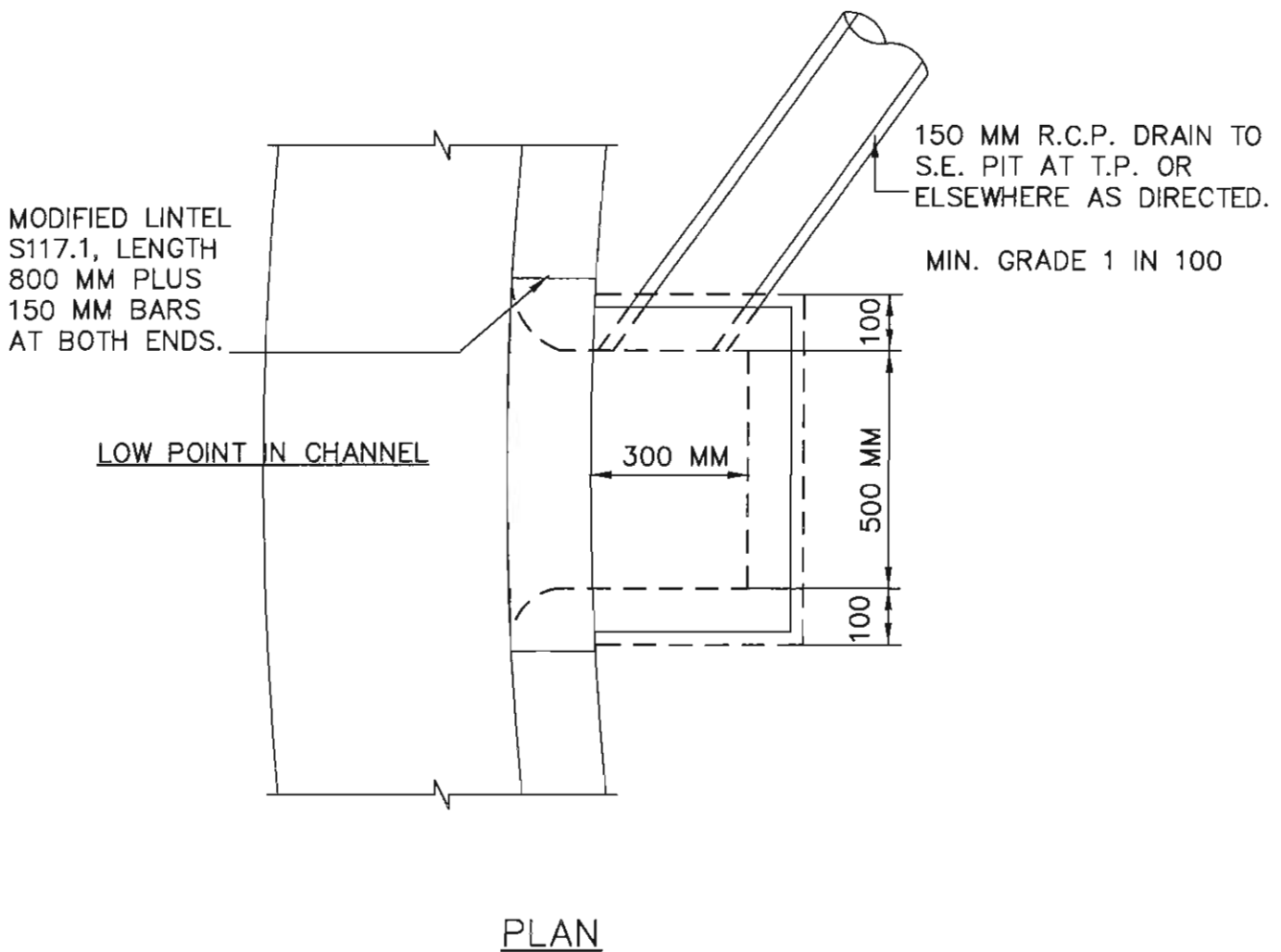
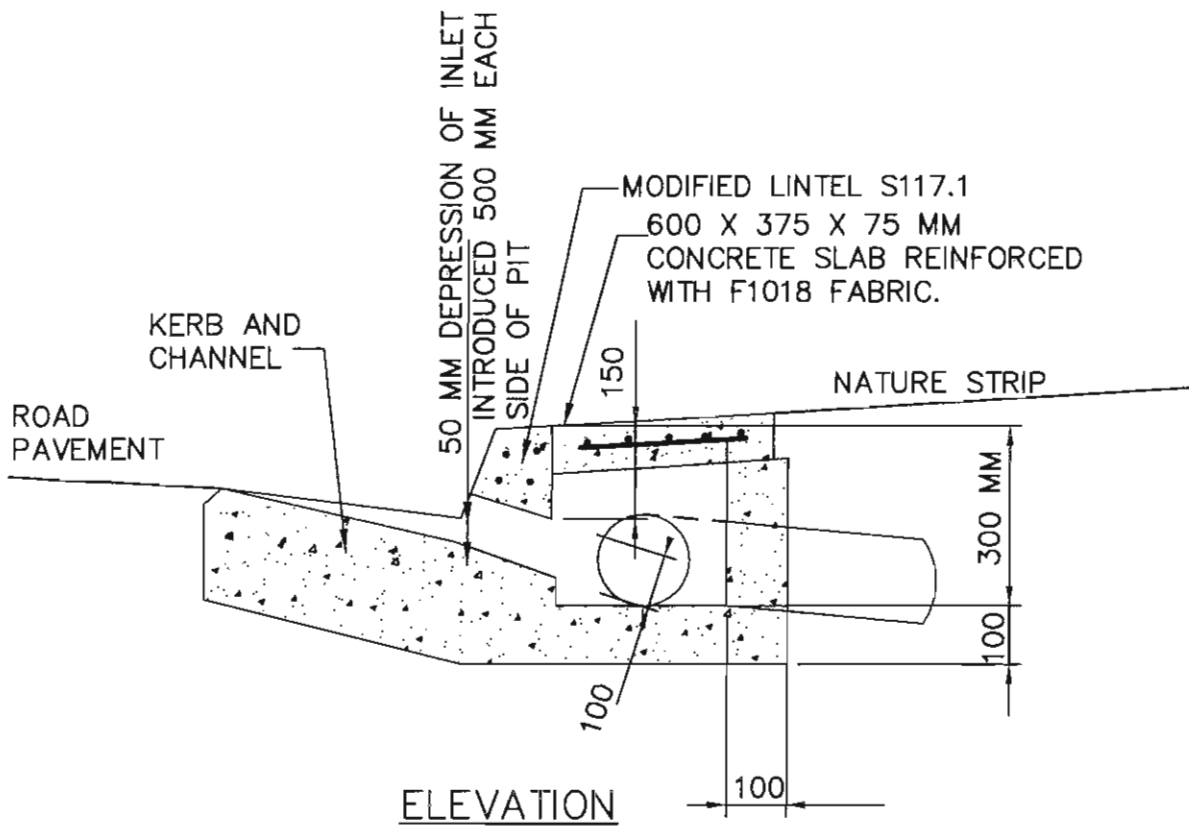
|                                                                                                |
|------------------------------------------------------------------------------------------------|
| CHECKED<br>  |
| APPROVED<br> |
| SCALE<br>N.T.S.                                                                                |

**KNOX CITY COUNCIL**

CONVERTED GRATED  
SIDE ENTRY PIT

|                          |
|--------------------------|
| DATE<br>11-07-2012       |
| REVISION                 |
| CAD FILE NAME<br>S 114.1 |





CHECKED  
*Jan Stacey*

APPROVED  
*Jan Stacey*

SCALE  
N.T.S.

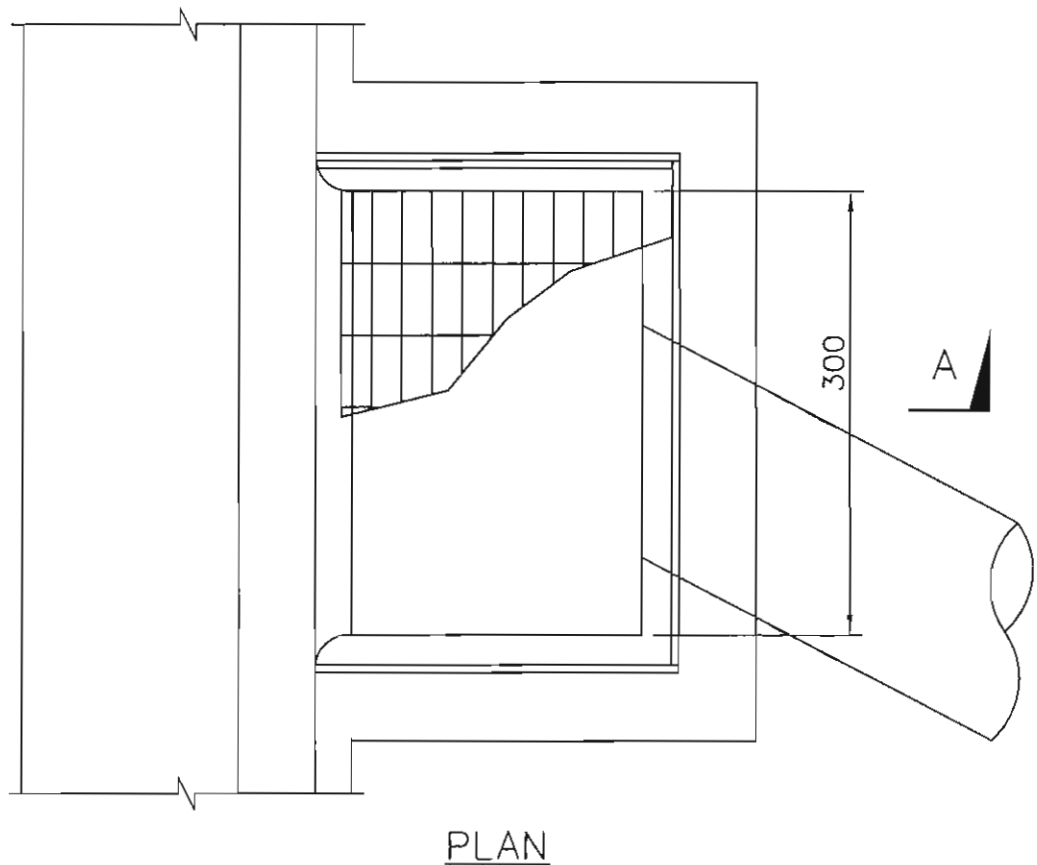
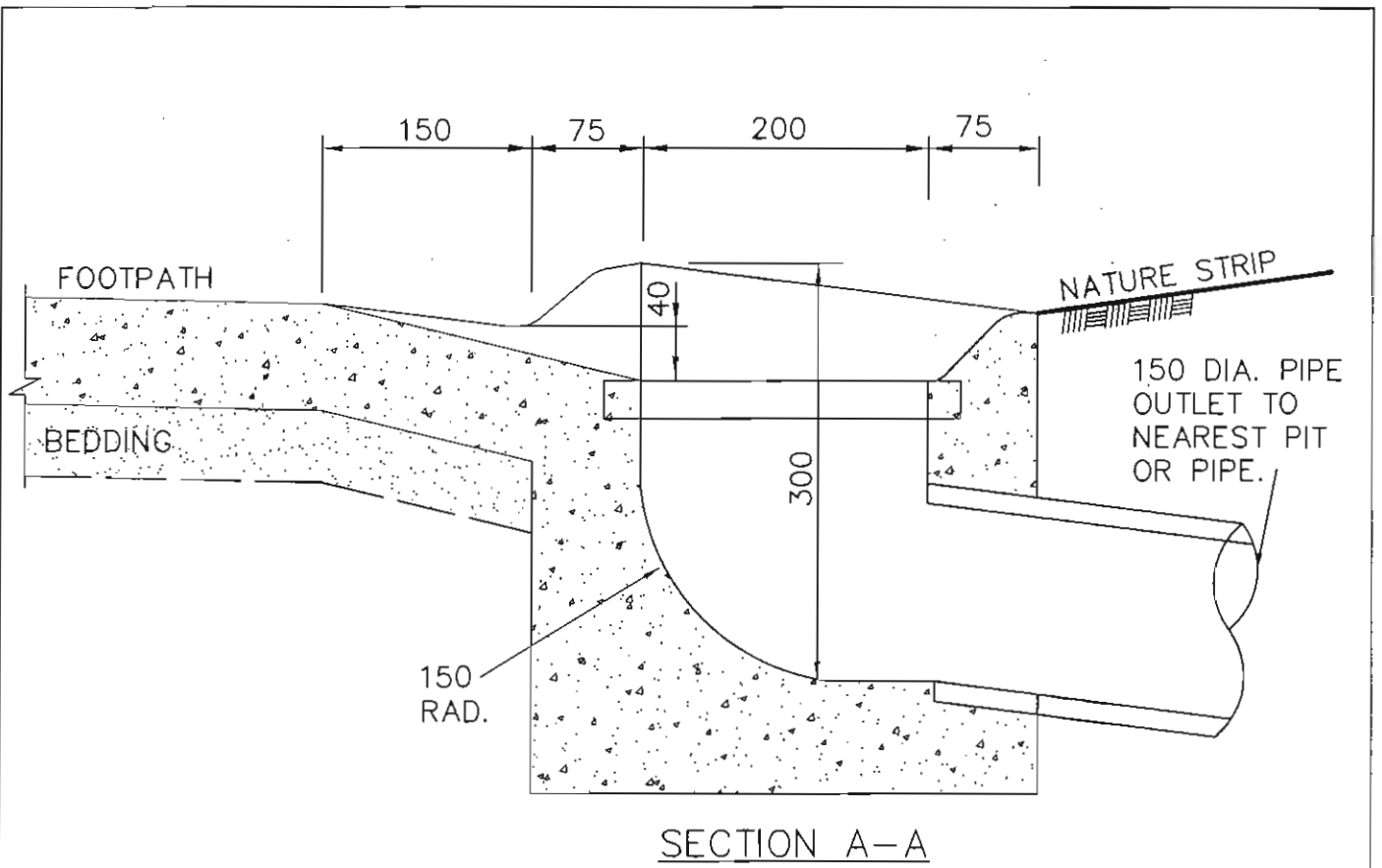
# KNOX CITY COUNCIL

## CHANNEL RETURN SIDE ENTRY PIT

DATE  
1-8-2001

REVISION

CAD FILE NAME  
S 115.1



**NOTES**

1. REFER TO S311.1 FOR SPOON DRAIN DETAILS.

CHECKED  
*Bales*

APPROVED  
*K Ward*

SCALE  
N.T.S.

**KNOX CITY COUNCIL**

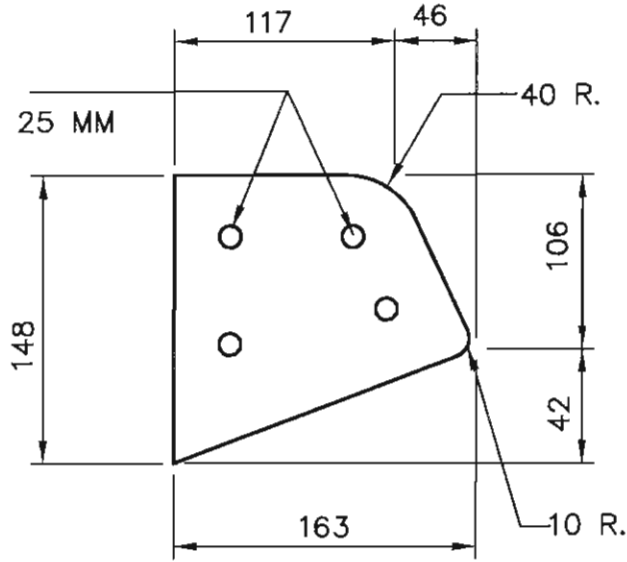
FOOTPATH SPOON DRAIN PIT  
RECESSED GRATE

DATE  
27-11-2009

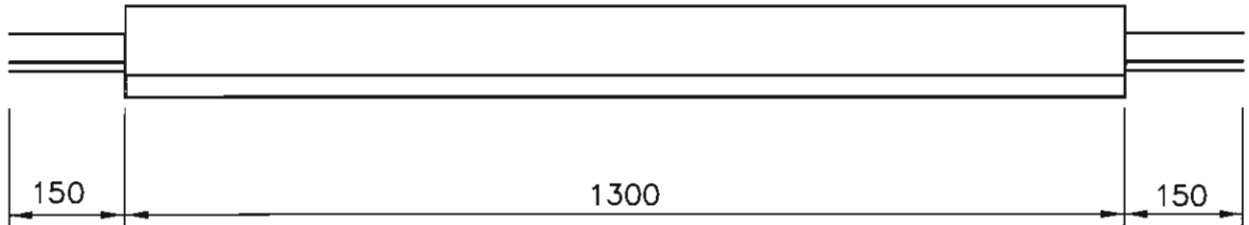
REVISION  
B

CAD FILE NAME  
S 116.1

4 X C12 BARS  
MINIMUM COVER 25 MM



SECTION A-A  
SCALE 1:4



ELEVATION  
SCALE 1:10

|                               |
|-------------------------------|
| CHECKED<br><i>Jan Stacey</i>  |
| APPROVED<br><i>Jim Conroy</i> |
| SCALE<br>N.T.S.               |

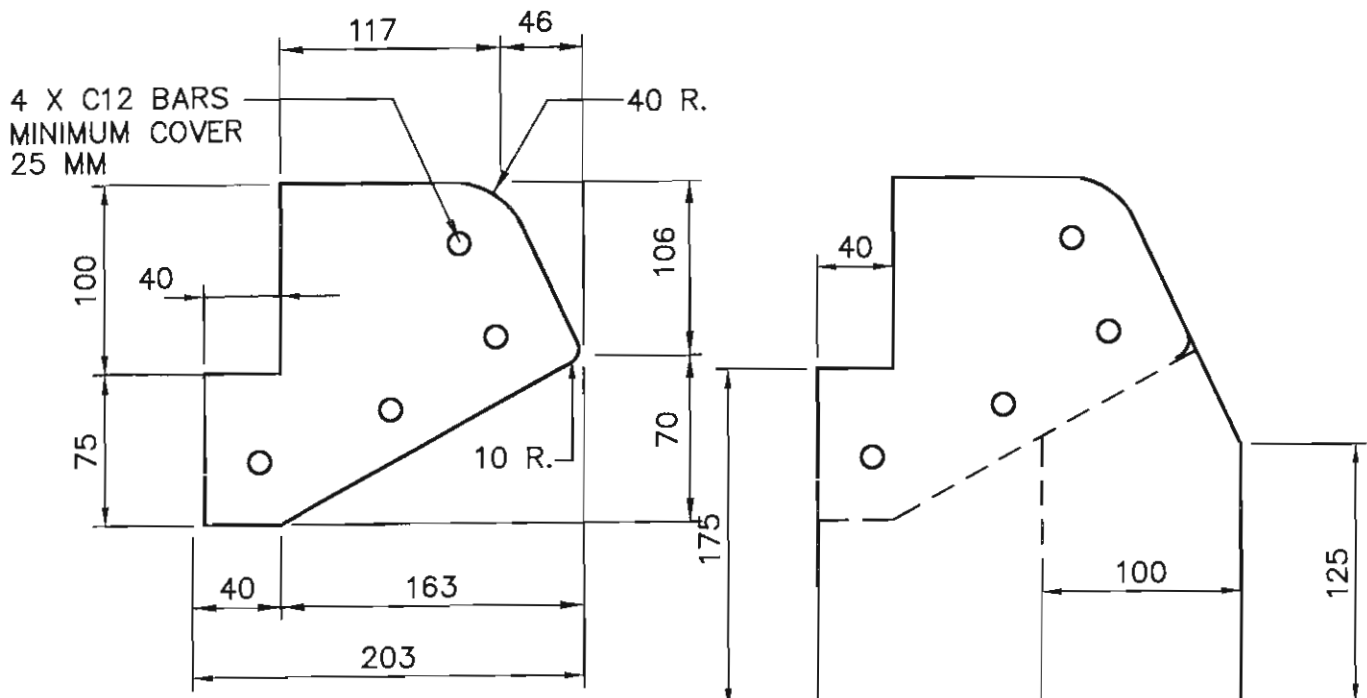
**KNOX CITY COUNCIL**

DATE  
1-8-2001

PRE-CAST LINTEL TYPE 1

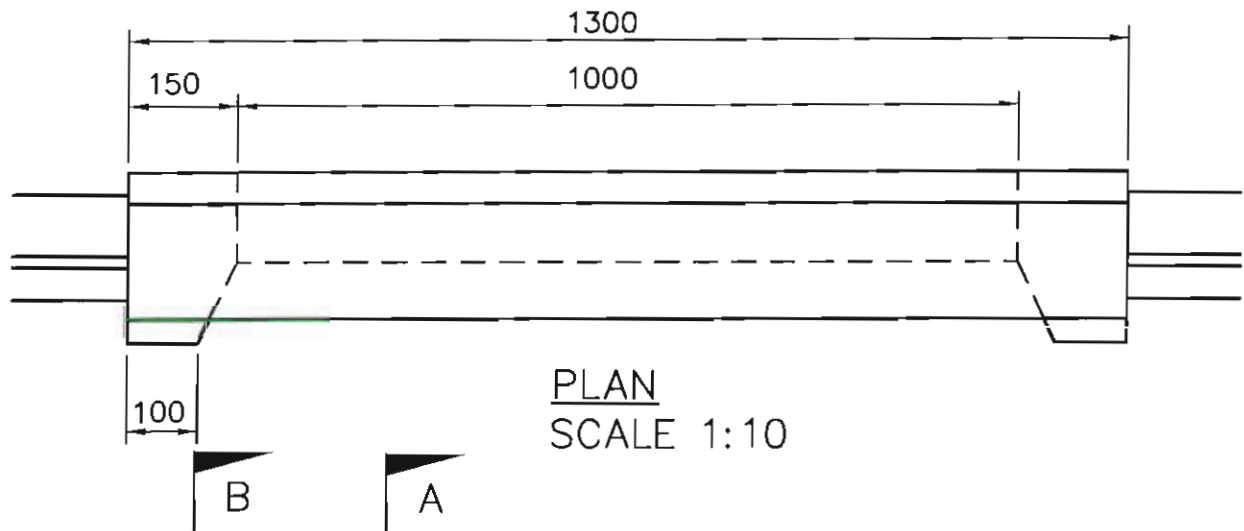
REVISION

CAD FILE NAME  
S117.1

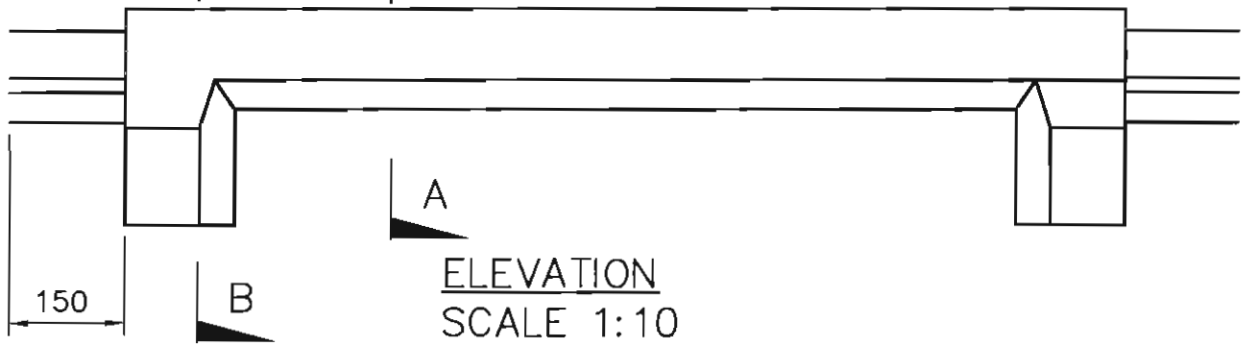


SECTION A-A  
SCALE 1:4

SECTION B-B  
SCALE 1:4



PLAN  
SCALE 1:10



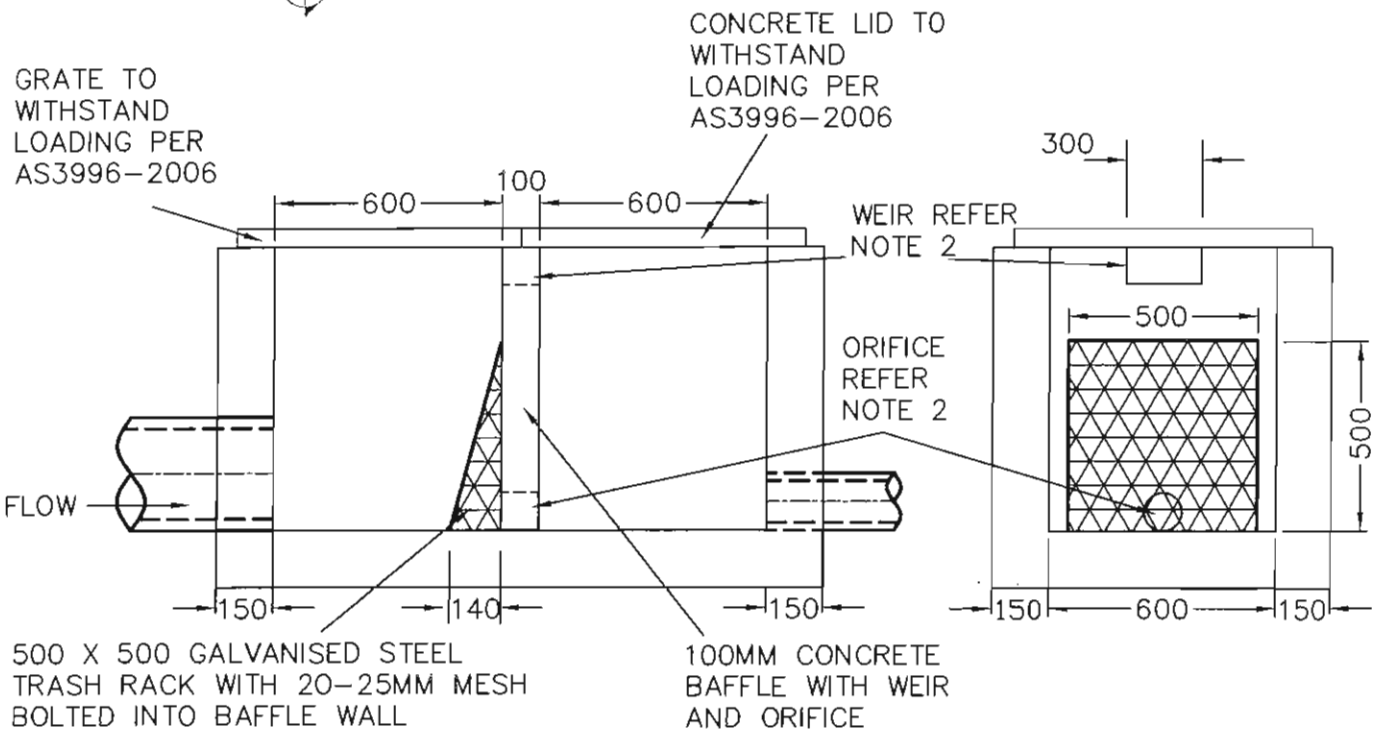
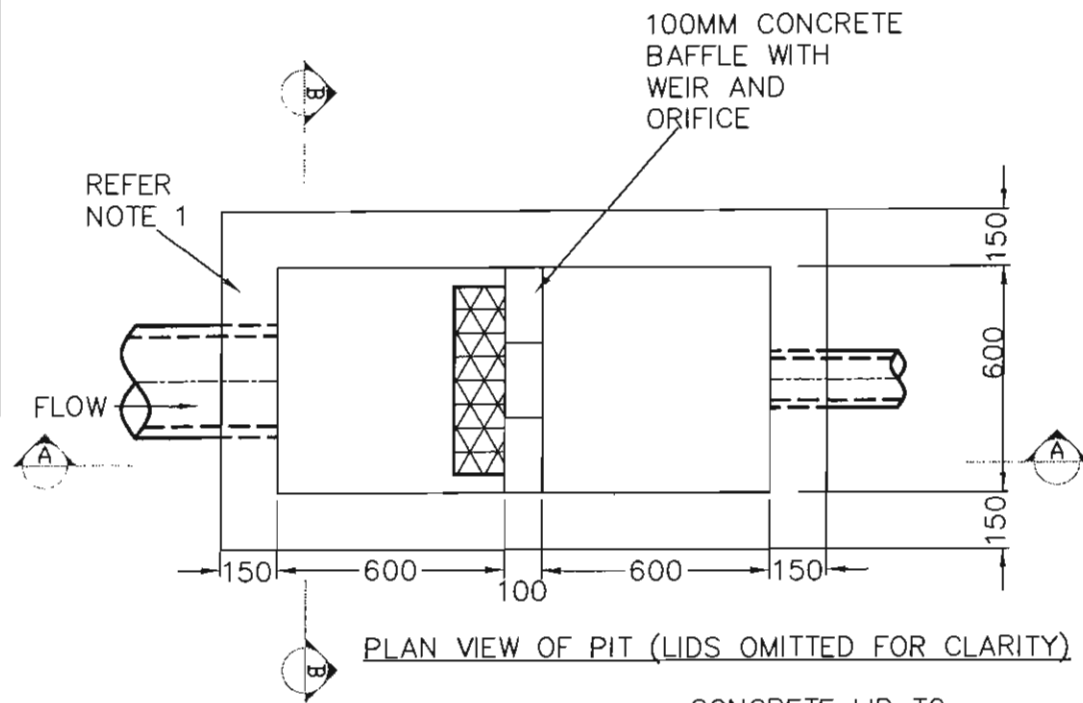
ELEVATION  
SCALE 1:10

CHECKED  
*Jan Stacey*  
APPROVED  
*Julian Stacey*  
SCALE  
N.T.S.

# KNOX CITY COUNCIL

PRE-CAST LINTEL TYPE 2

DATE  
1-8-2001  
REVISION  
CAD FILE NAME  
S 117.2



**NOTES**

1. IF DEPTH OF PIT > 0.9m LARGER PIT IS TO BE USED WITH STEP IRONS PROVIDED AS PER S110.2 TO ALLOW FOR MAINTENANCE.
2. ORIFICE DIMENSIONS AND WEIR HEIGHT TO BE DETERMINED FROM CALCULATIONS OF A CERTIFIED CIVIL ENGINEERING CONSULTANT AS APPROVED BY COUNCIL.
3. GRATED PIT LID TO BE USED ON INFLOW SIDE OF BAFFLE TO ALLOW FOR EASIER INSPECTION OF SYSTEM.
4. GRATE PATTERN OF PIT LIDS TO BE SAFE FOR BICYCLES IF PIT IS TO BE INSTALLED IN PAVEMENT ACCESSED BY PEDESTRIANS AND CYCLISTS.
5. ALL DIMENSIONS IN MM.

CHECKED  
*Nick Loides*

APPROVED  
*K Ward*

SCALE  
N.T.S.

**KNOX CITY COUNCIL**

ORIFICE PIT 1300 X 600

DATE  
20-12-2007

REVISION

CAD FILE NAME  
S118.1