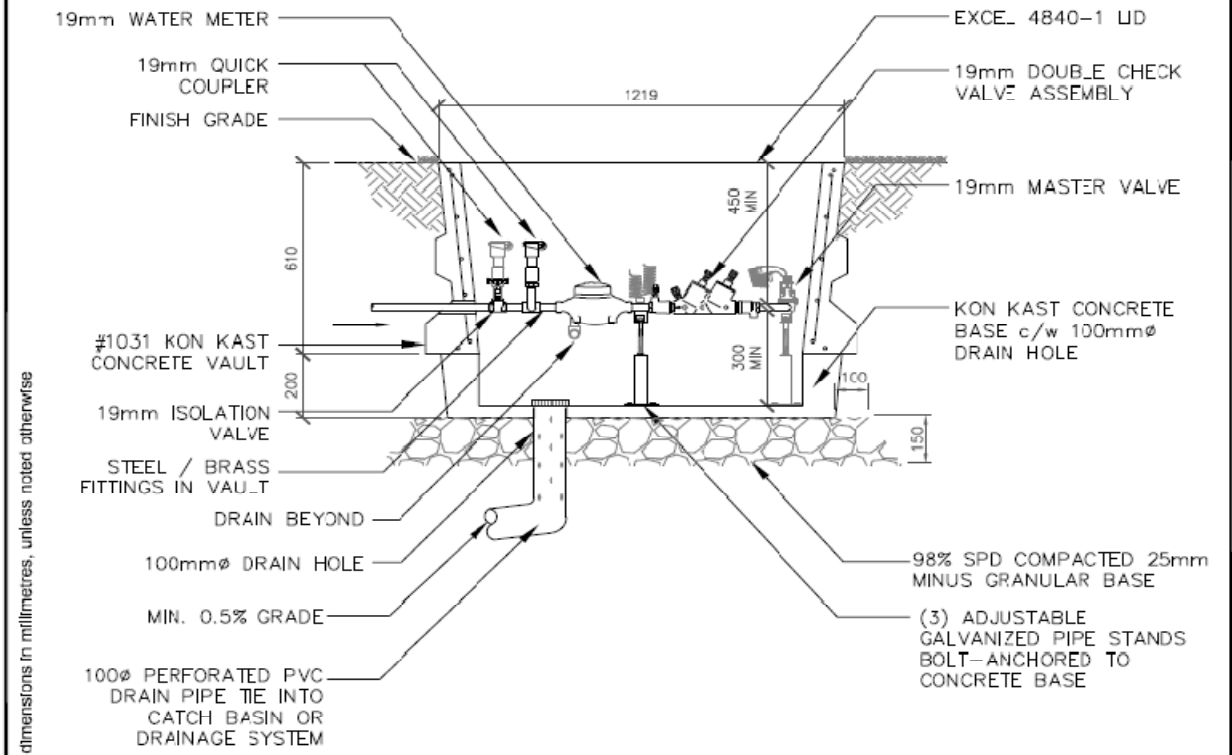


SCHEMATIC PLAN

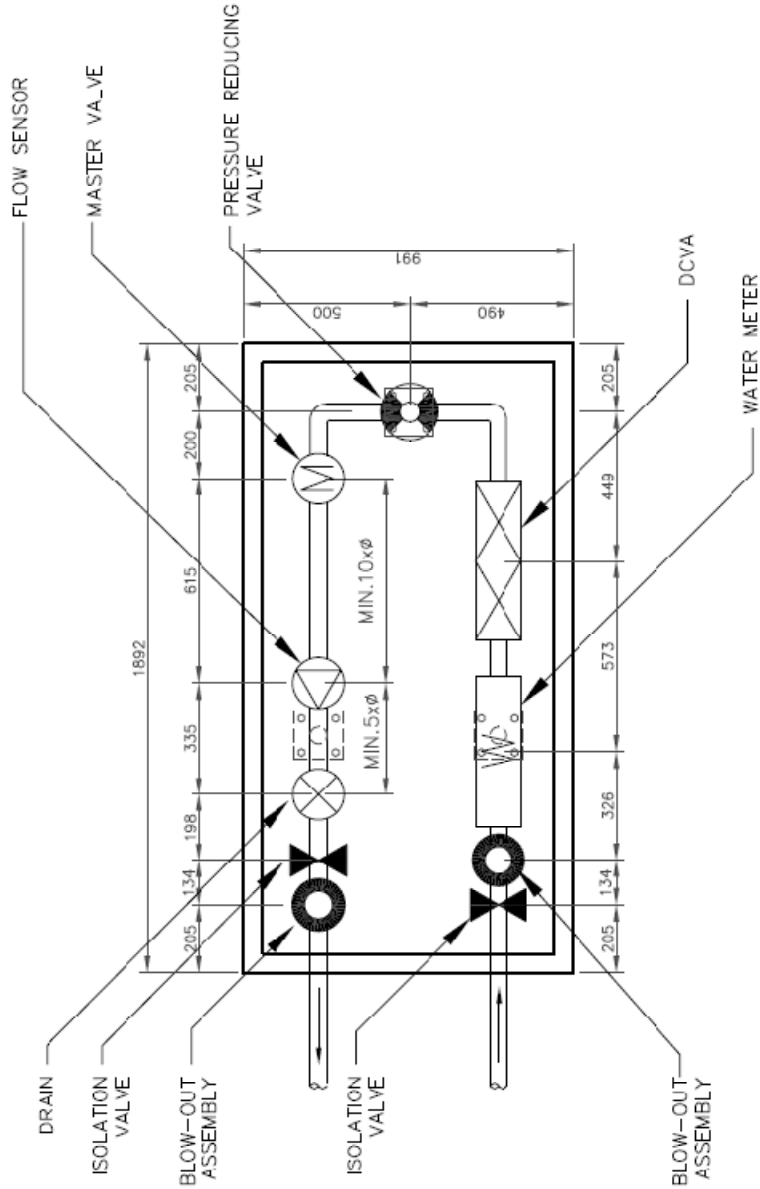


SECTION

N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

<p>STANDARD DETAIL DRAWING</p>	<p>DETAIL TITLE: Backflow Prevention Assembly 3/4"</p>	<p>DETAIL No. : SS-IR.01a</p>
---	--	--------------------------------------



N.B. All dimensions in millimetres, unless noted otherwise

SCHEMATIC PLAN

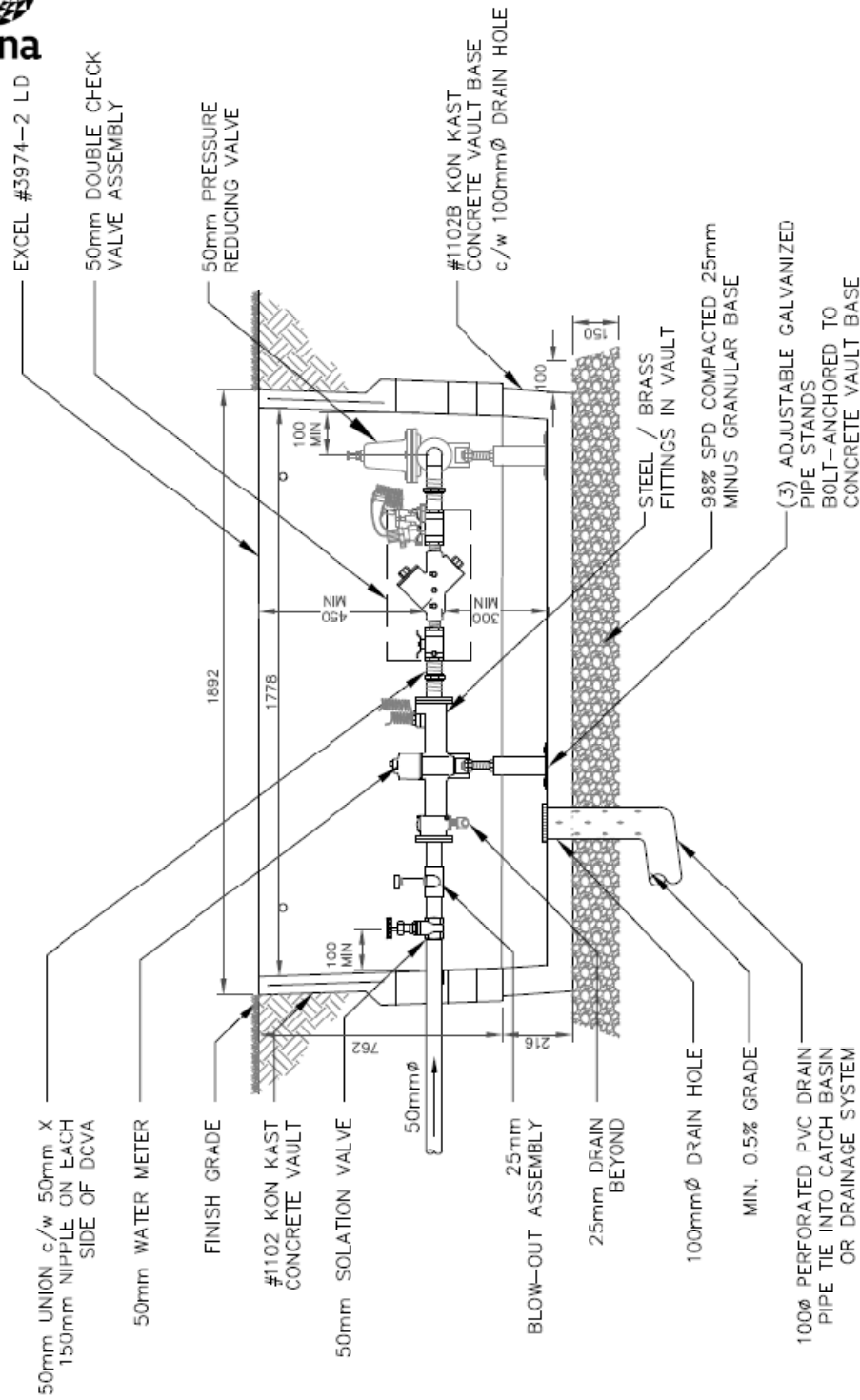
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE:

**Backflow Prevention Assembly
1" to 2"**

DETAIL No. :
SS-IR.01b



N.B. All dimensions in millimetres, unless noted otherwise

SECTION

DECEMBER 2010

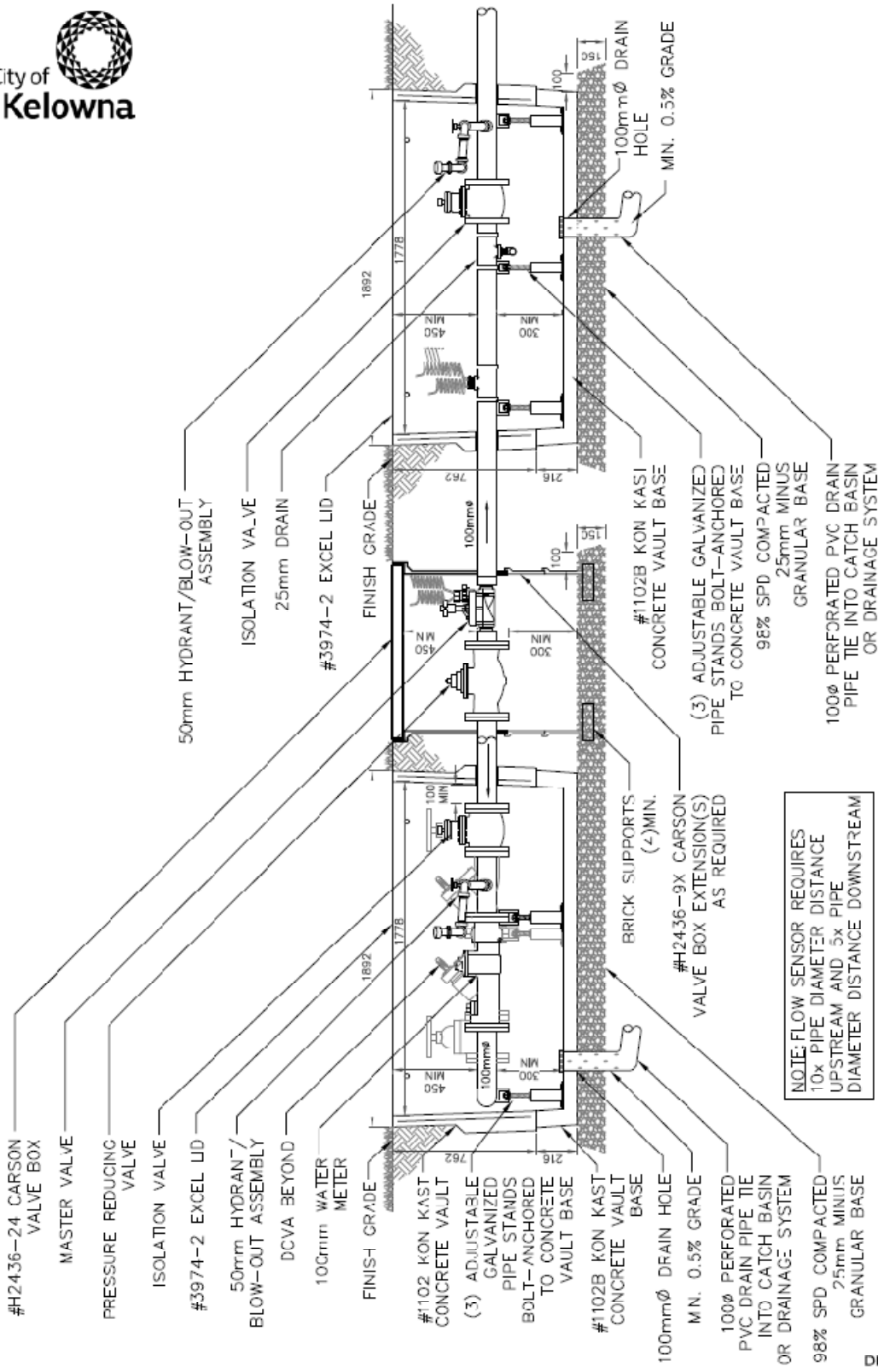
STANDARD
DETAIL
DRAWING

DETAIL
TITLE :

**Backflow Prevention Assembly
1" to 2"**

DETAIL No. :
SS-IR.01c

N.B. All dimensions in millimetres, unless noted otherwise

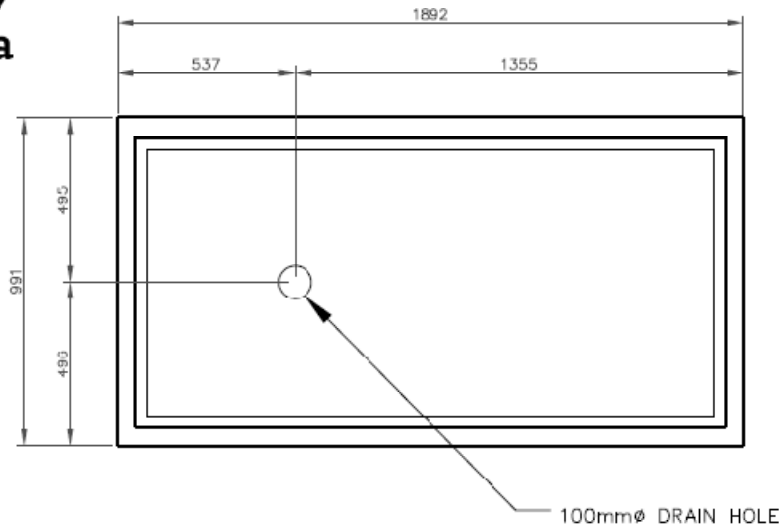


NOTE: FLOW SENSOR REQUIRES
10x PIPE DIAMETER DISTANCE
UPSTREAM AND 5x PIPE
DIAMETER DISTANCE DOWNSTREAM

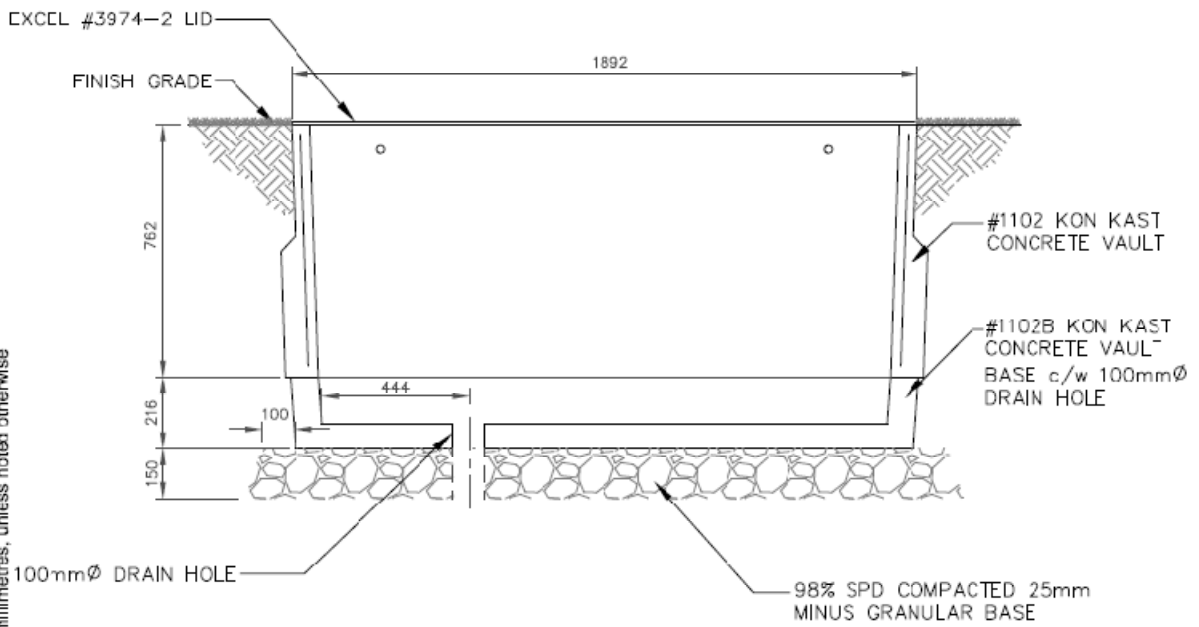
SECTION

DECEMBER 2010

<p>STANDARD DETAIL DRAWING</p>	<p>DETAIL TITLE: Backflow Prevention Assembly 2 1/2" to 4"</p>	<p>DETAIL No. : SS-IR.01e</p>
---	---	--



PLAN

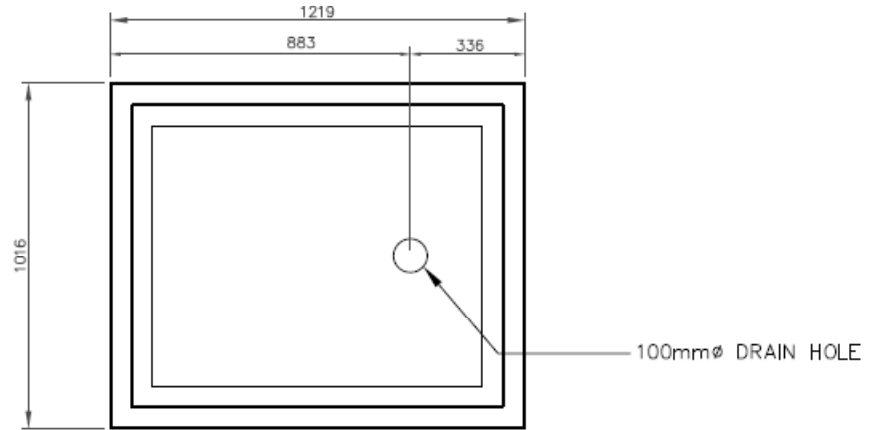


SECTION

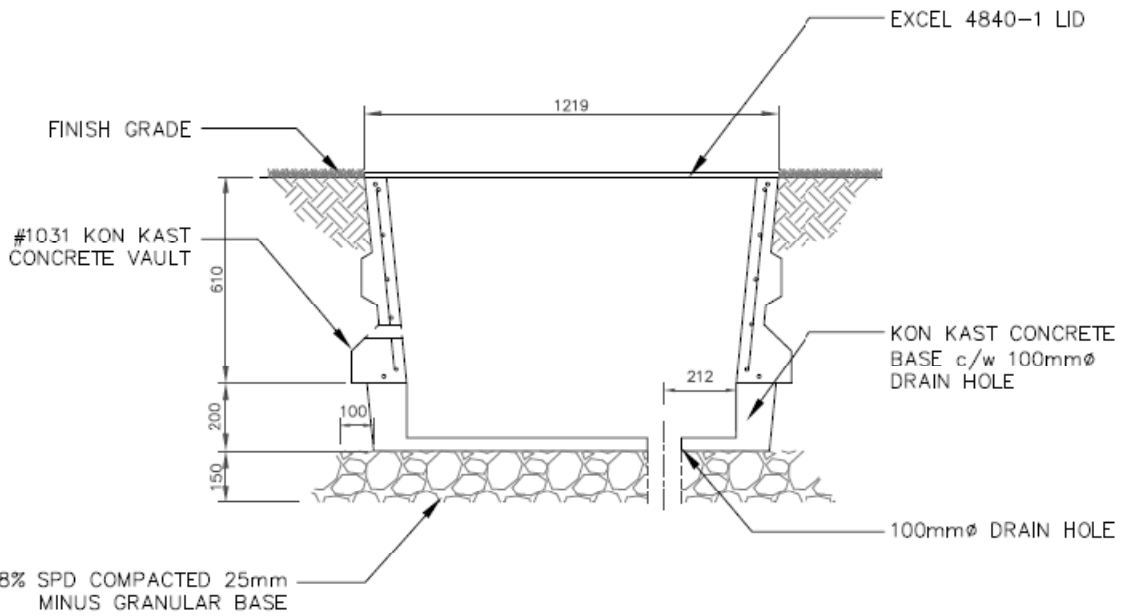
N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

<p>STANDARD DETAIL DRAWING</p>	<p>DETAIL TITLE: Irrigation Vault 1" to 2"</p>	<p>DETAIL No. SS-IR.02a</p>
--	--	--



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

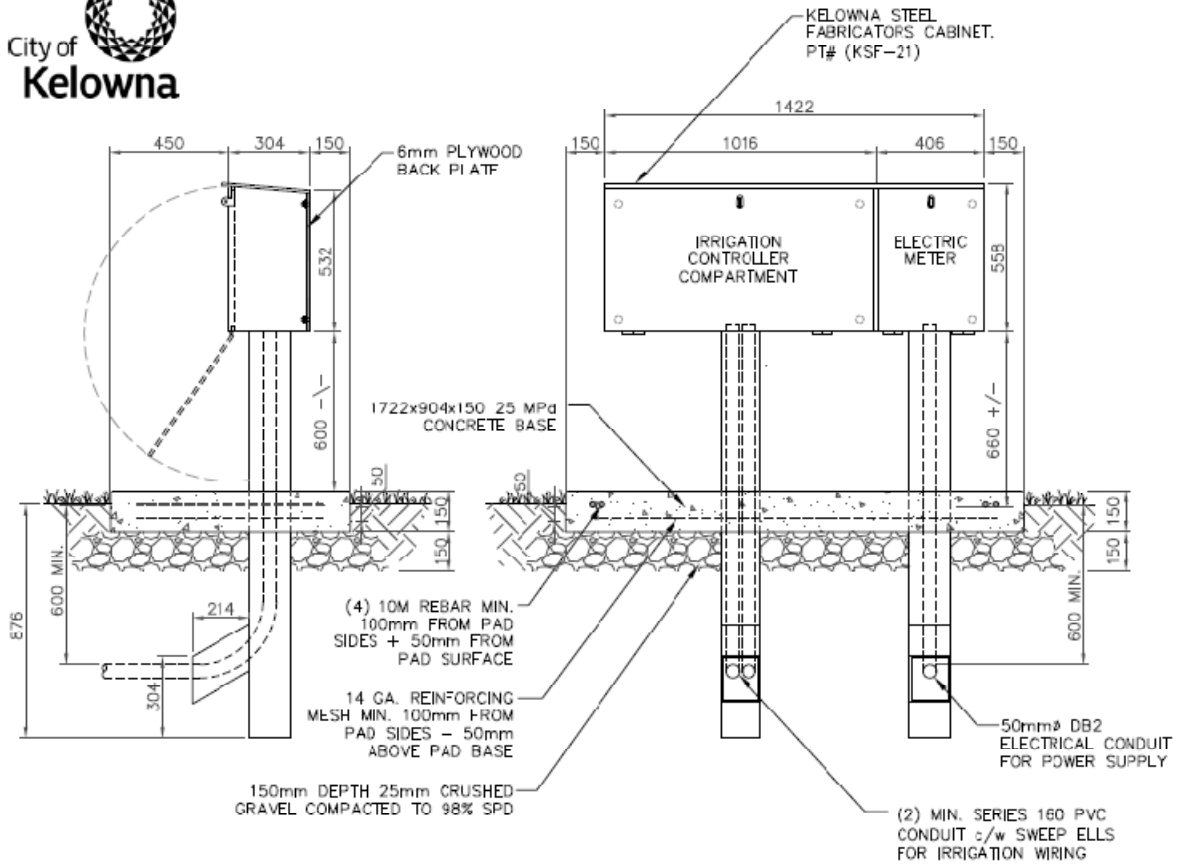
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

**Irrigation Vault
3/4"**

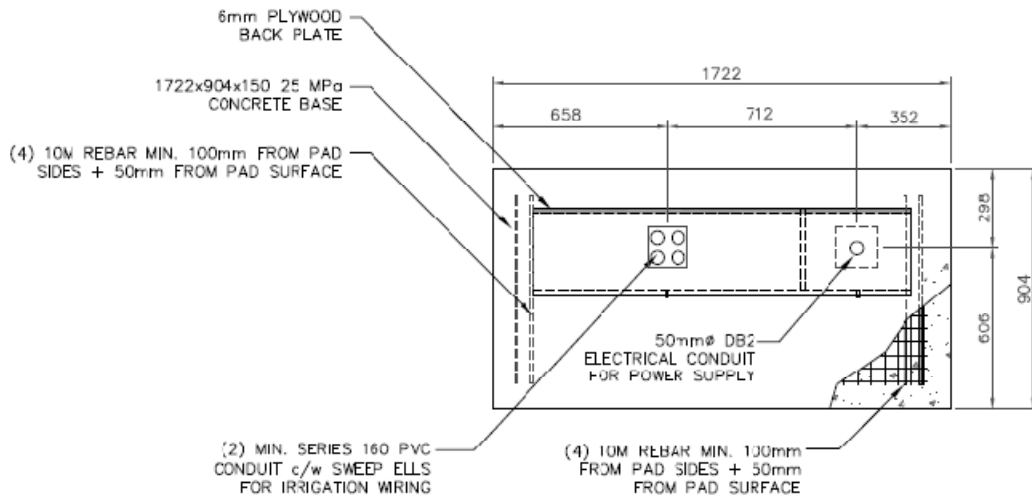
DETAIL No. :
SS-IR.02b



SIDE ELEVATION

FRONT ELEVATION

N.B. All dimensions in millimetres, unless noted otherwise



PLAN VIEW

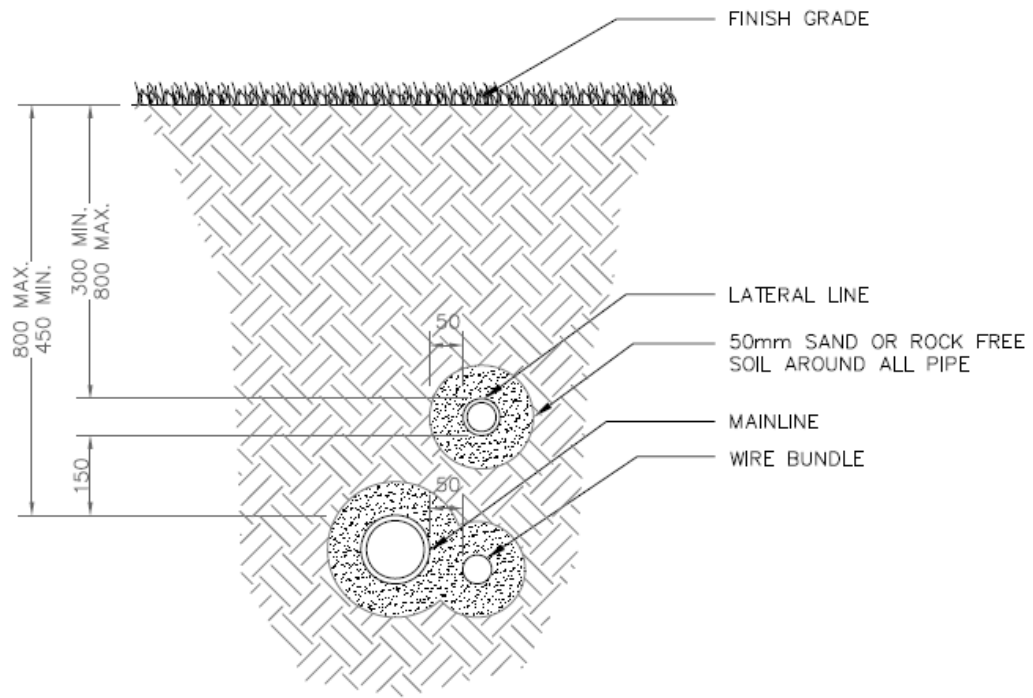
DECEMBER 2010

STANDARD
DETAIL
DRAWING

DETAIL
TITLE:

Irrigation Cabinet Double

DETAIL No. :
SS-IR.03



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

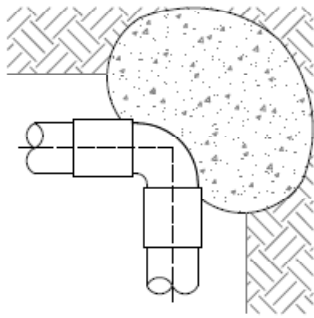
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

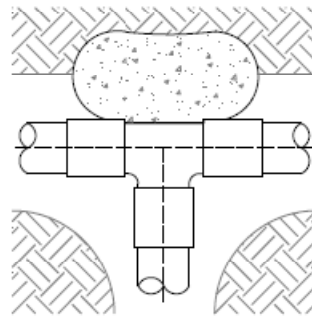
DETAIL
TITLE :

**Trench Section
w/o Sleeving**

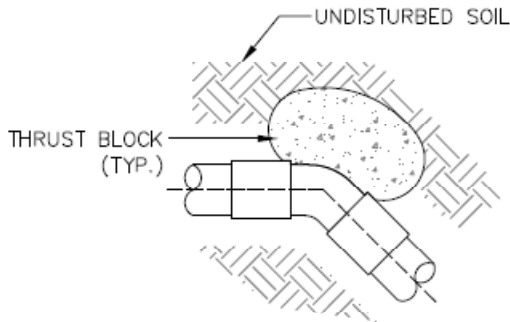
DETAIL No. :
SS-IR.04a



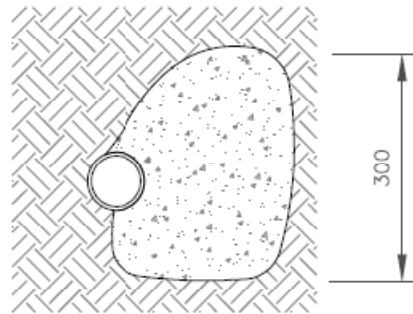
90° ELL PLAN VIEW



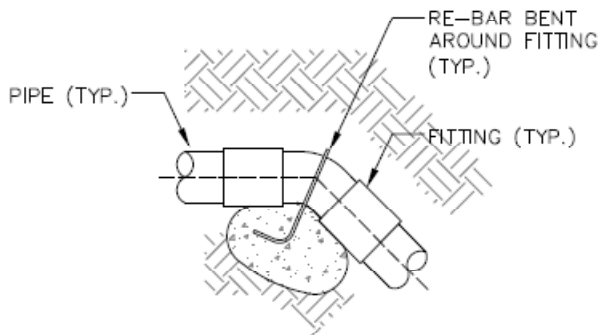
TEE PLAN VIEW



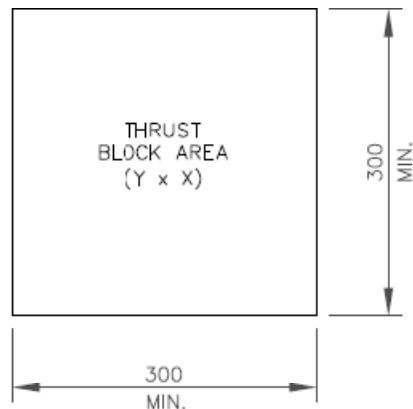
45° ELL PLAN VIEW



SECTION

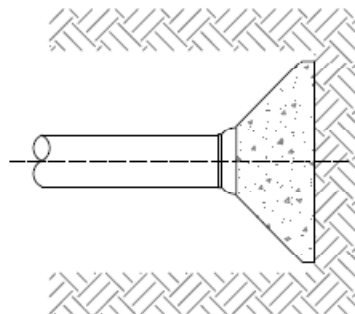


45° ELL ELEVATION



PLAN VIEW

N.B. All dimensions in millimetres, unless noted otherwise



90° ELL PLAN VIEW

		CONCRETE AREAS IN SQUARE METRES						
		PIPE SIZE	100	150	200	250	300	400
TYPE OF FITTING	TEE	0.2	0.4	0.7	1.0	1.4	1.9	
	90°	0.3	0.5	0.9	1.4	2.0	2.7	
	45°	0.2	0.3	0.5	0.6	1.1	1.4	
	END CAP	0.2	0.4	0.7	1.0	1.4	1.9	

BEARING AREAS OF THRUST BLOCKS

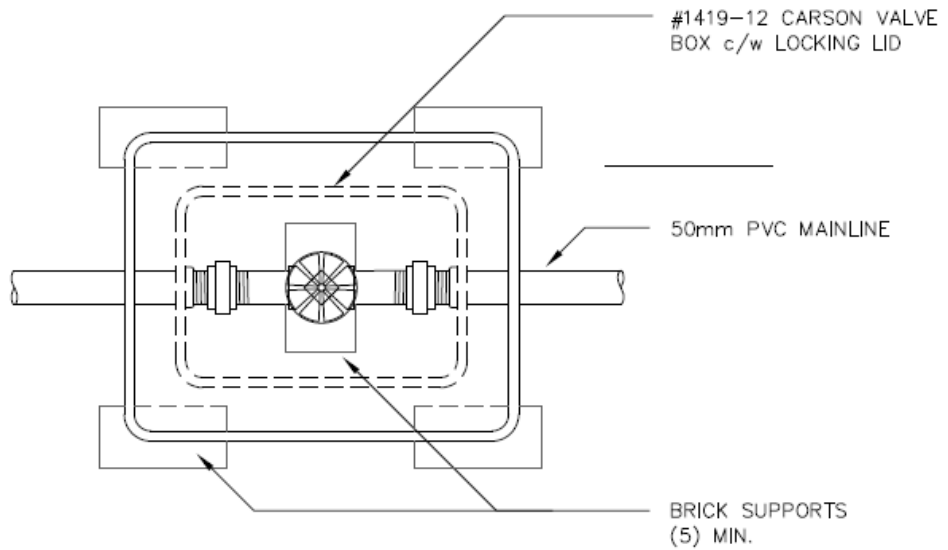
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

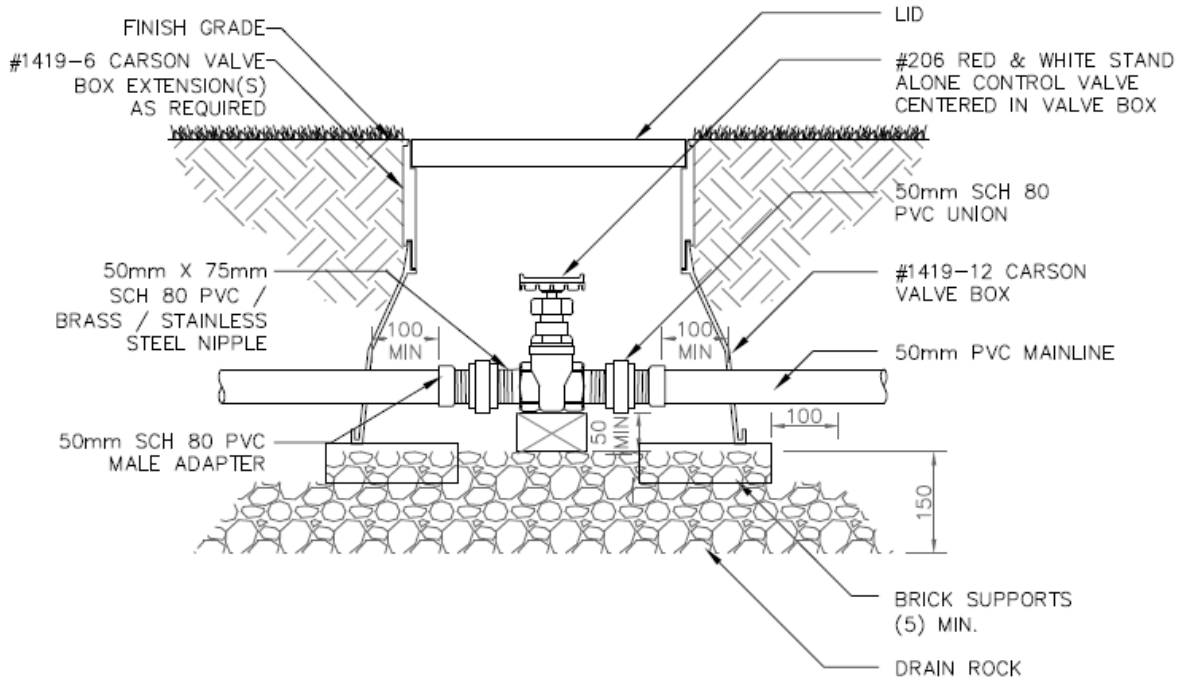
DETAIL
TITLE:

Thrust Blocks

DETAIL No. :
SS-IR.04b



PLAN



SECTION

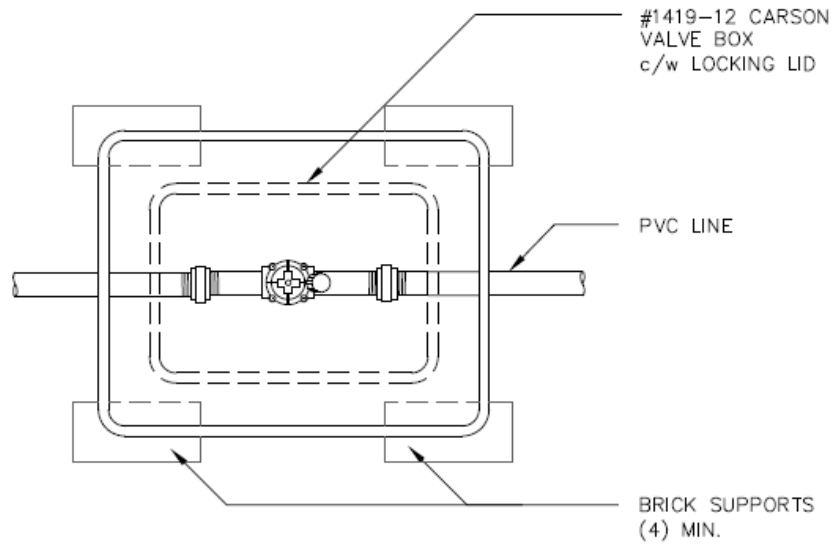
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

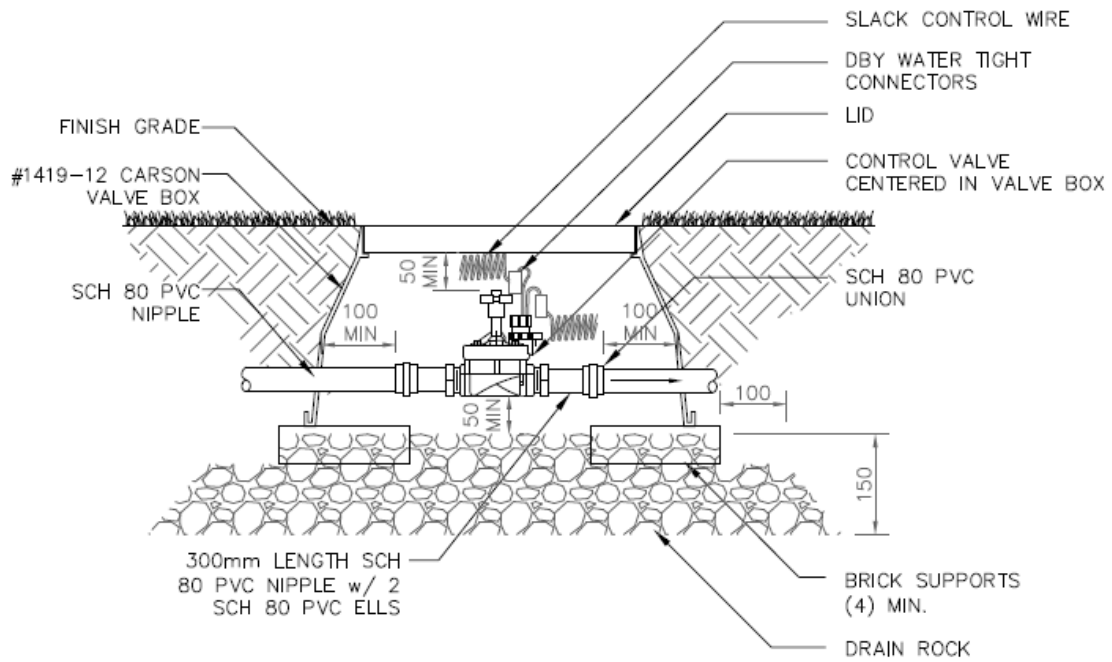
DETAIL
TITLE:

**Stand Alone Isolation Valve
50mm and Under**

DETAIL No. :
SS-IR.05a



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

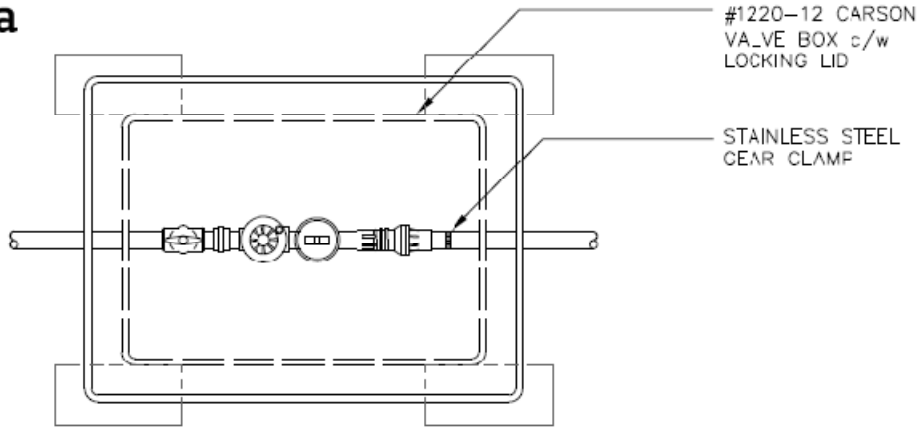
DECEMBER 2010

STANDARD
DETAIL
DRAWING

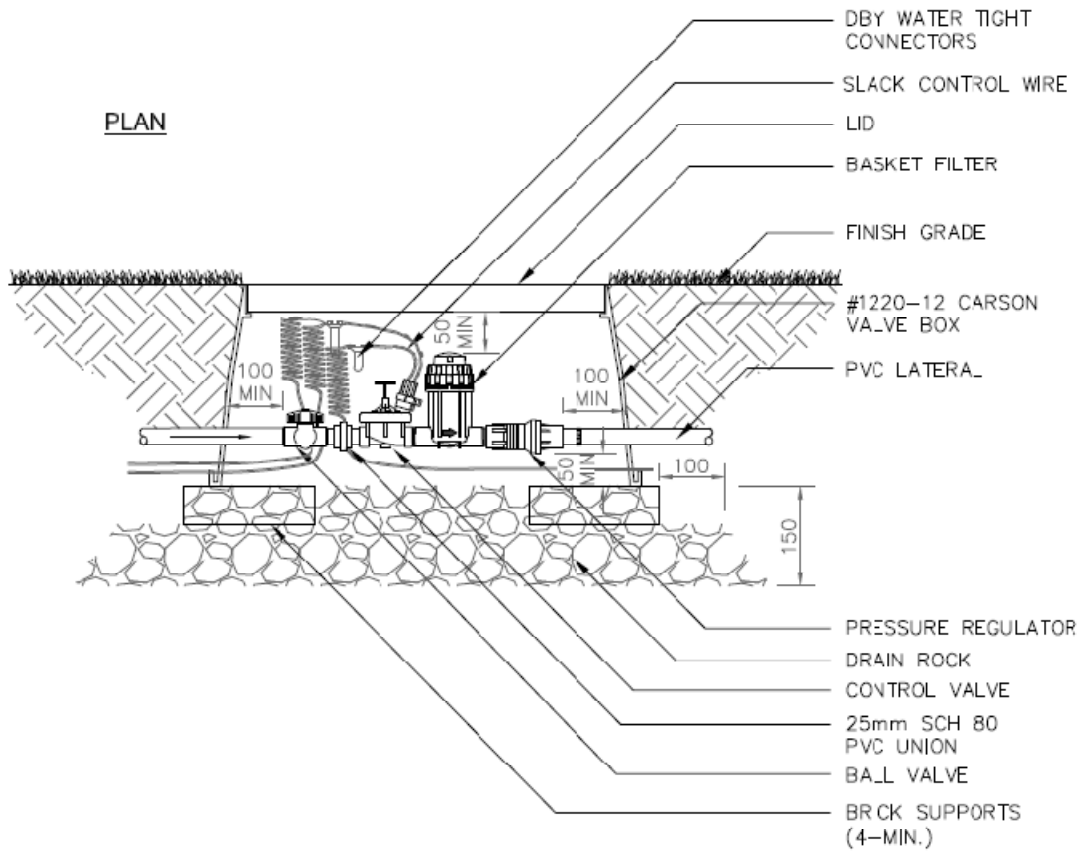
DETAIL
TITLE :

Electric Control Valve 24VAC

DETAIL No. :
SS-IR.05b



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

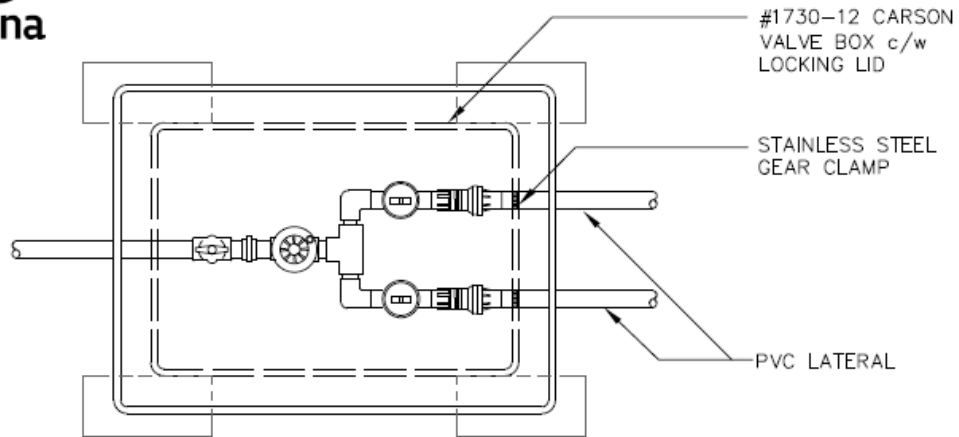
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

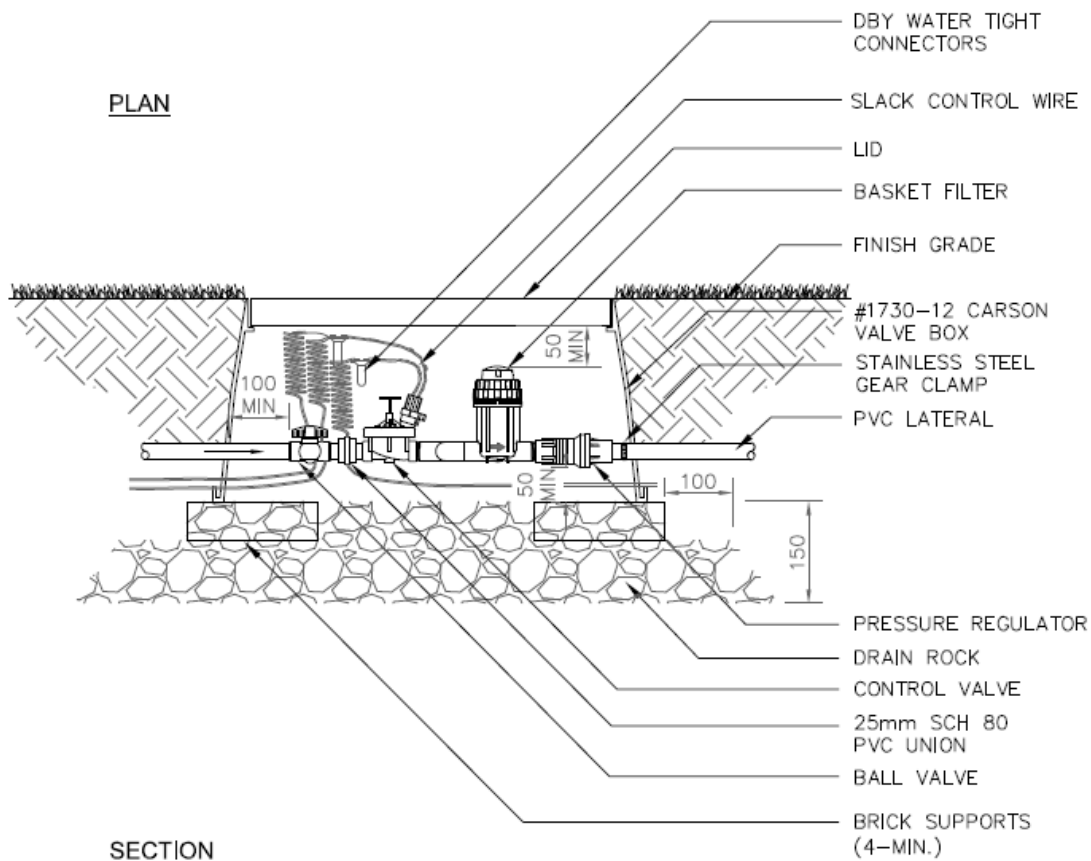
DETAIL
TITLE:

Control Zone Kit 25mm

DETAIL No. :
SS-IR.06a



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

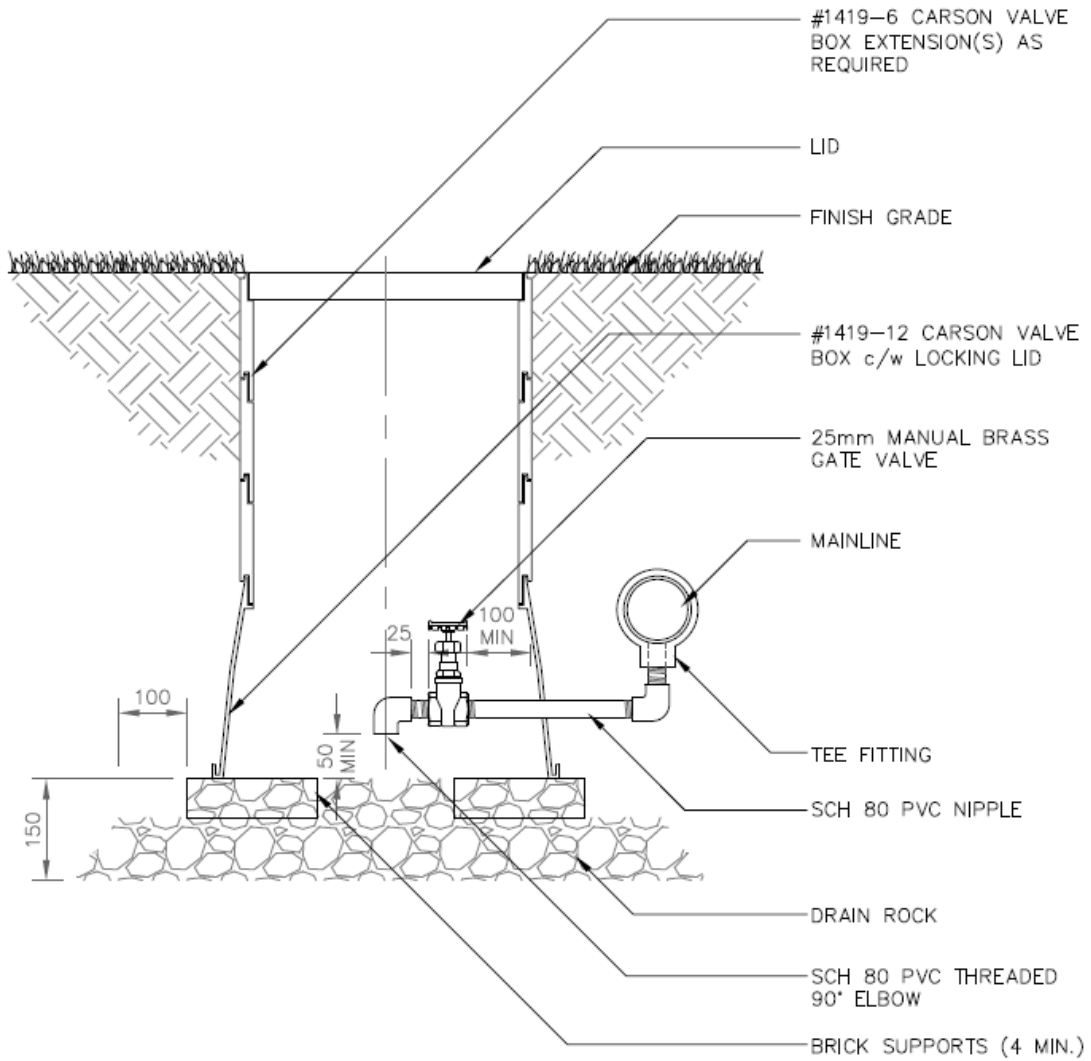
DECEMBER 2010

STANDARD
DETAIL
DRAWING

DETAIL
TITLE:

Control Zone Kit 38mm

DETAIL No. :
SS-IR.06b



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

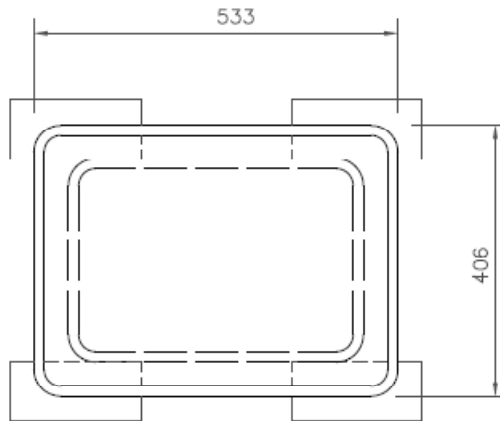
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

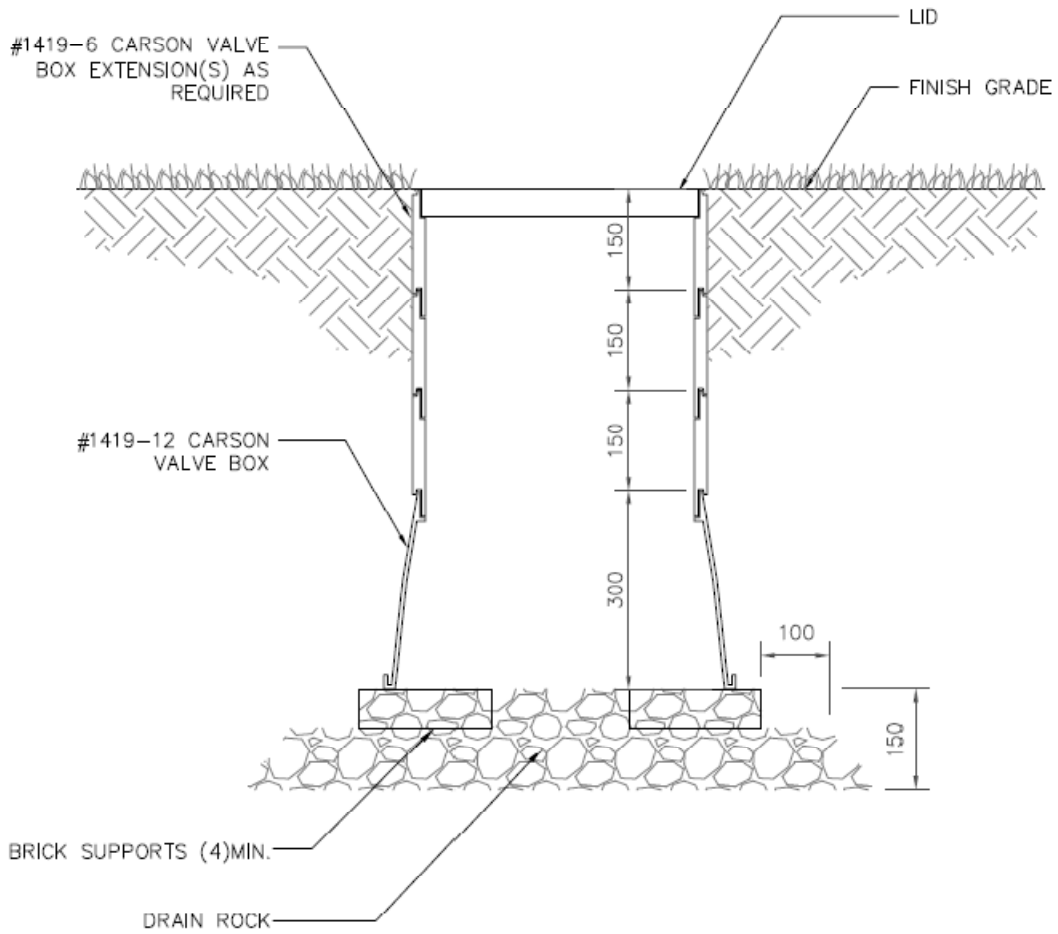
DETAIL
TITLE:

Mainline Drain Valve

DETAIL No. :
SS-IR.07



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

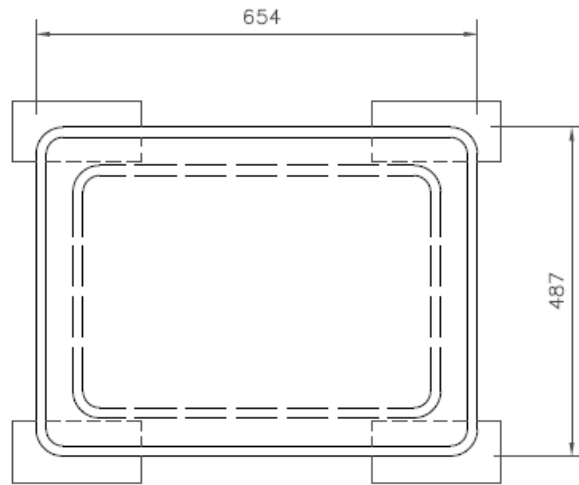
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

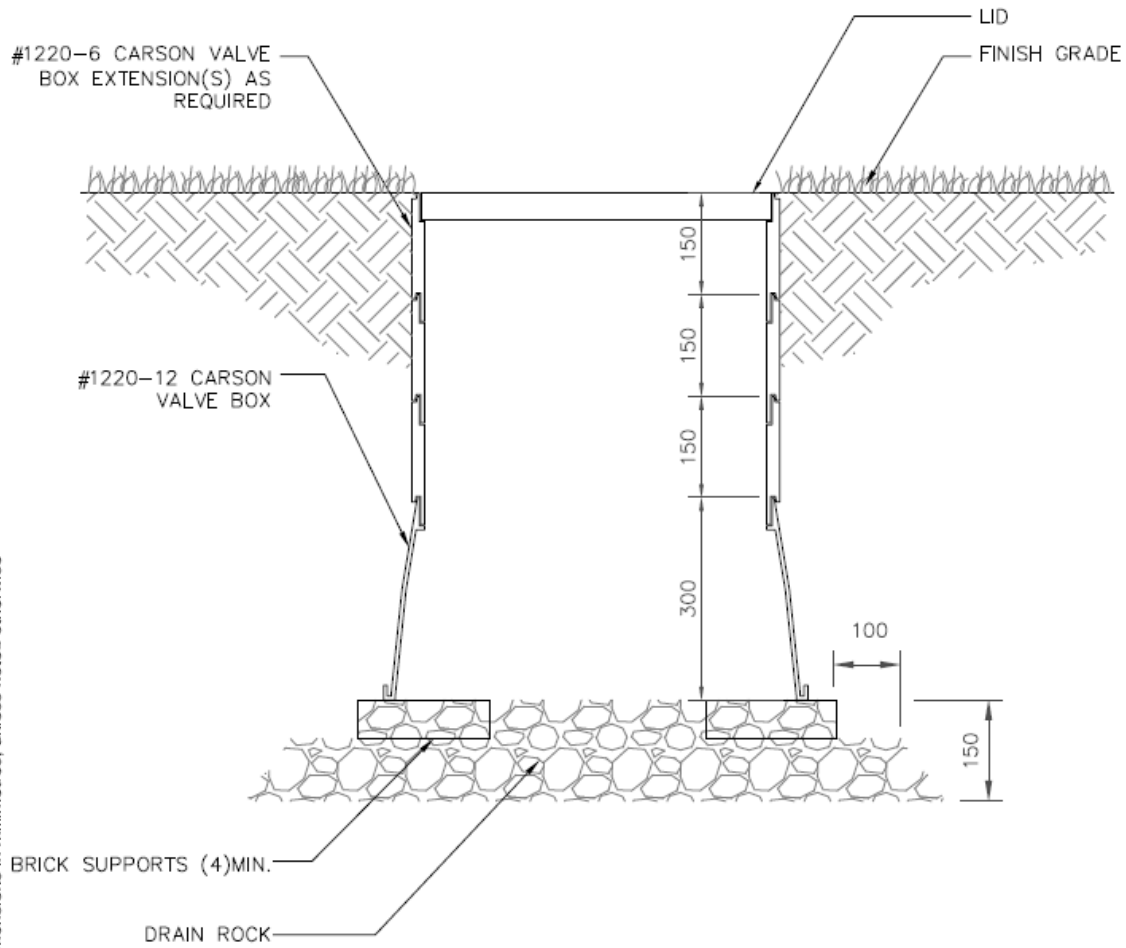
DETAIL
TITLE :

**Irrigation Valve Box
Small Size**

DETAIL No. :
SS-IR.08a



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

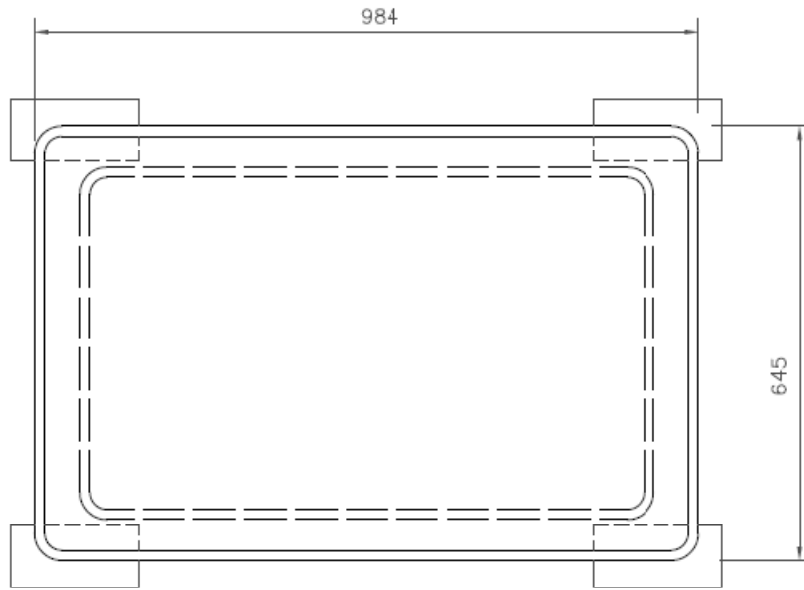
DECEMBER 2010

STANDARD
DETAIL
DRAWING

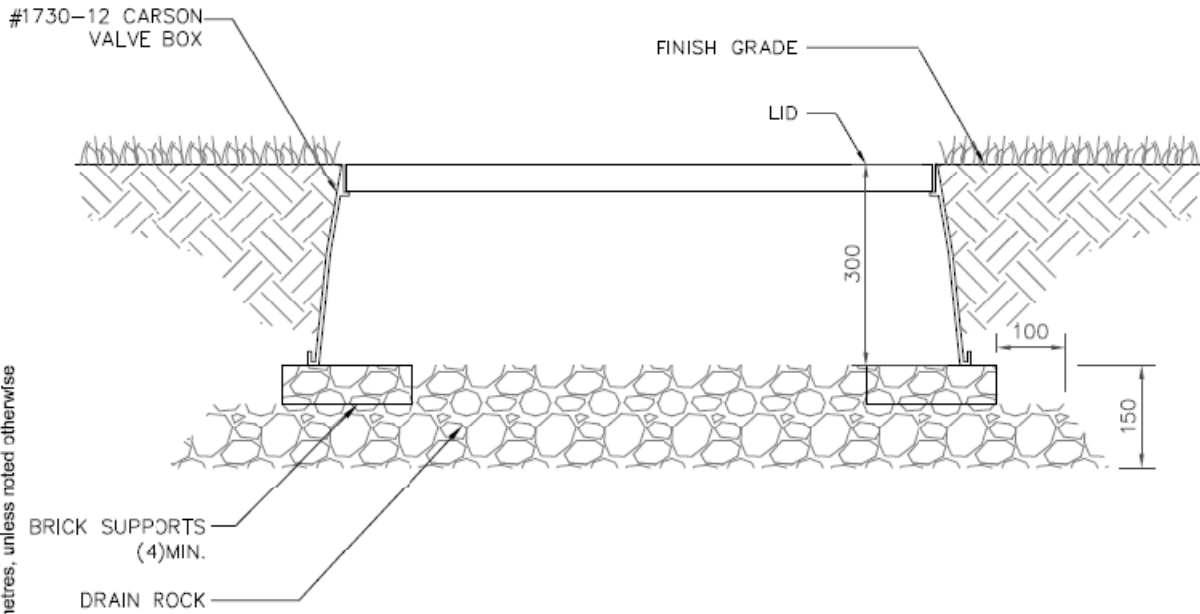
DETAIL
TITLE :

**Irrigation Valve Box
Medium Size**

DETAIL No. :
SS-IR.08b



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

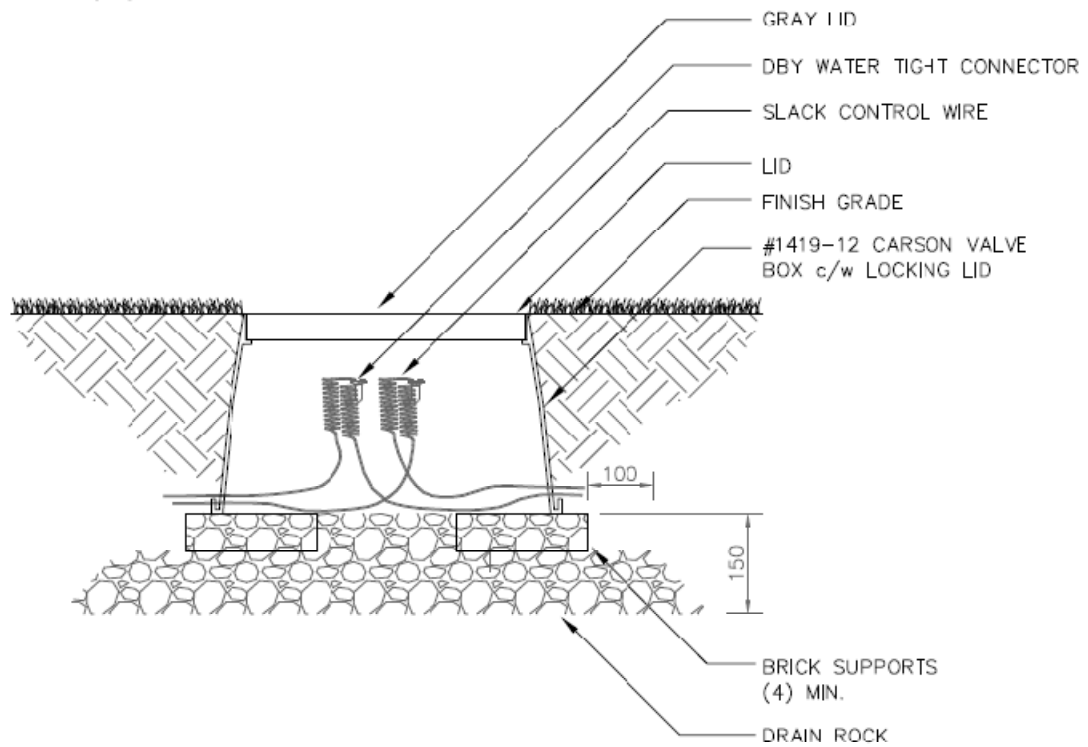
STANDARD
DETAIL
DRAWING

DETAIL
TITLE :

**Irrigation Valve Box
Large Size**

DETAIL No. :
SS-IR.08c

NOTE:
ENSURE REQUIRED WIRE DEPTHS
ARE OBSERVED.



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

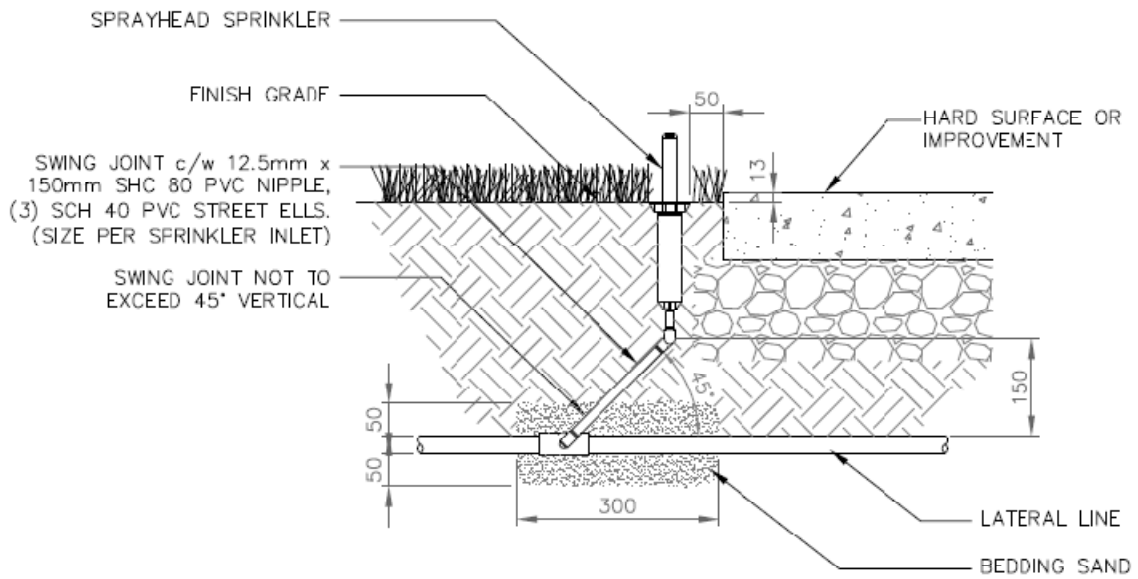
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Wire Splice Box

DETAIL No. :
SS-IR.09



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

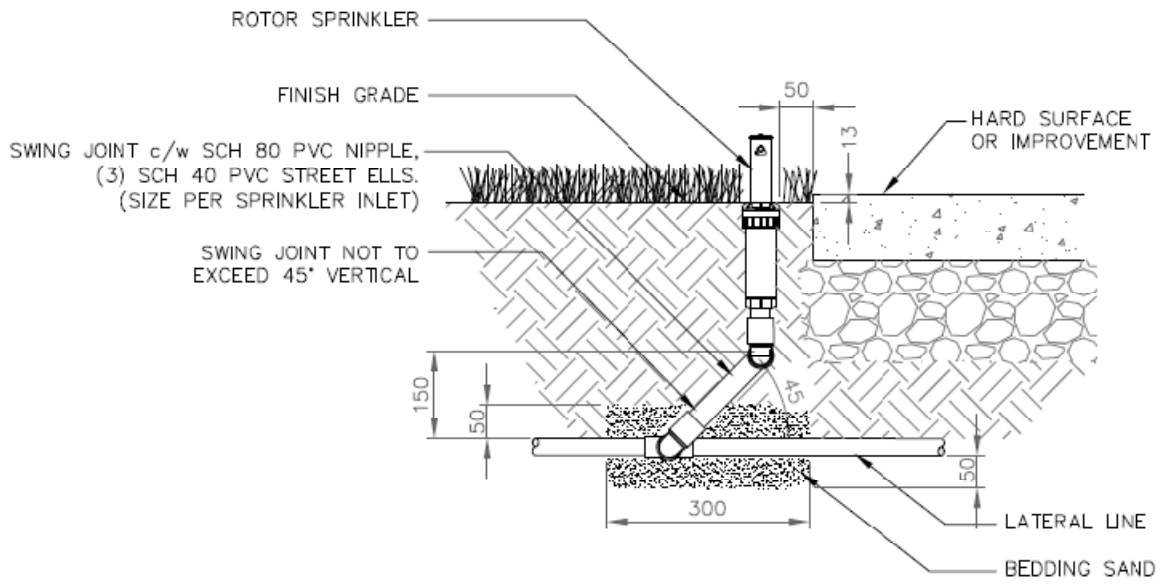
**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Sprayhead Sprinkler

DETAIL No. :

SS-IR.10a



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Rotor Sprinkler

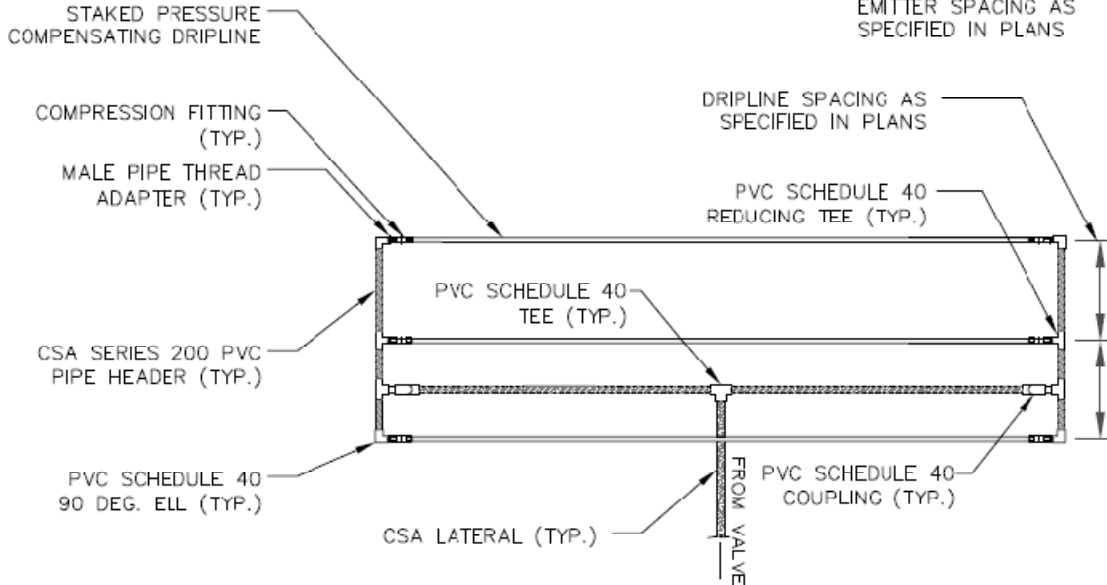
DETAIL No. :
SS-IR.10b

NOTES:

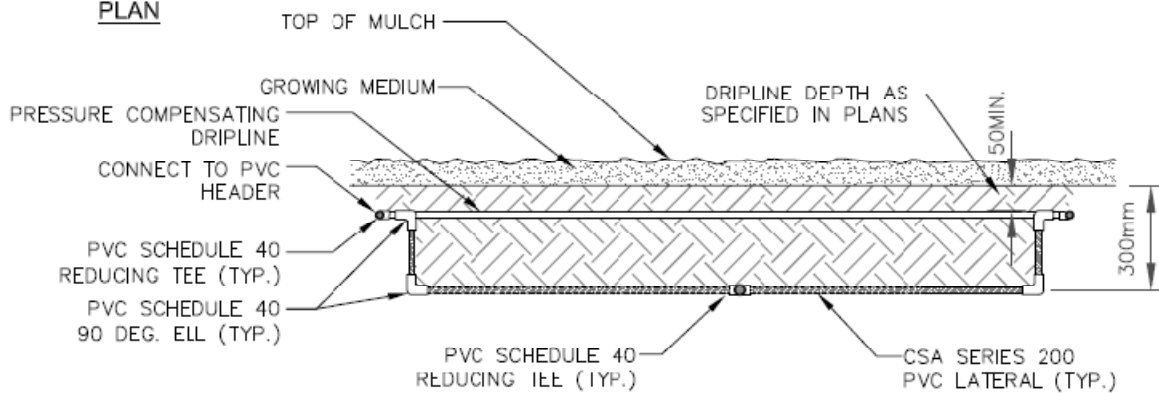
- 1) ASSEMBLY DETAILED DOES NOT REPRESENT HEADERS FOR ALL DRIPLINE AREAS. DETAIL IS INTENDED TO PROVIDE CONTRACTOR WITH THE CONCEPT IN WHICH HEADERS ARE TO BE CONSTRUCTED. REFER TO LAYOUT DRAWING FOR GENERAL LAYOUT OF HEADER IN EACH DRIPLINE AREA.
- 2) INSTALL ALL HEADERS 150mm INSIDE BACK OF CURB OR PAVED SURFACE.

NOTE:

EMITTER SPACING AS SPECIFIED IN PLANS



PLAN



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

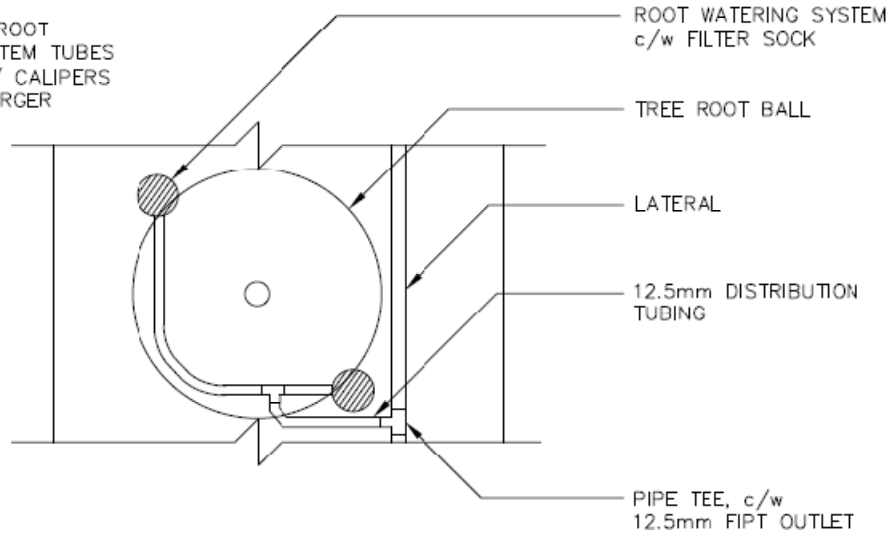
**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Dripline Header Assembly

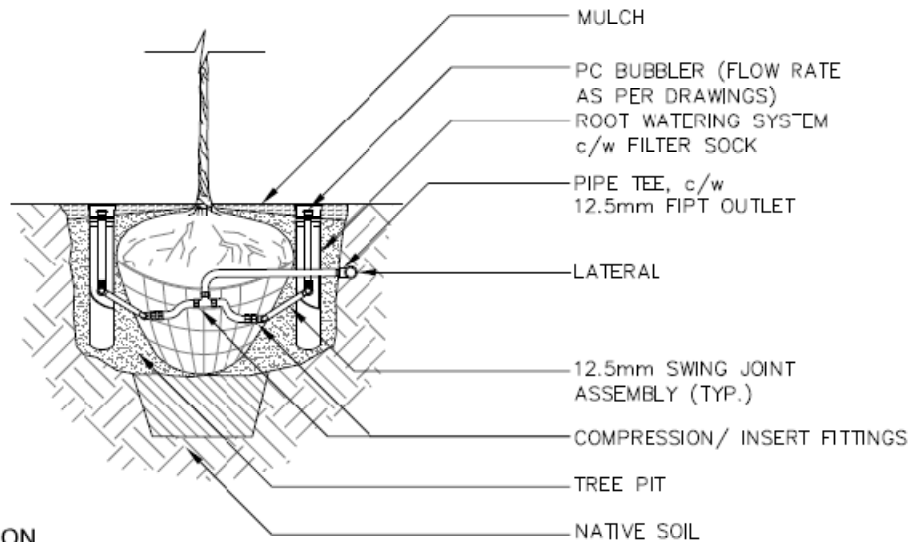
DETAIL No. :
SS-IR.11a

NOTE:
INSTALL 2ea ROOT
WATERING SYSTEM TUBES
FOR TREES w/ CALIPERS
'50mm OR LARGER



PLAN

NOTE:
INSTALL ONLY ONE ROOT
WATERING SYSTEM WHEN
PLANTED TREES ARE LOCATED
IN SLOPED GRADING



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

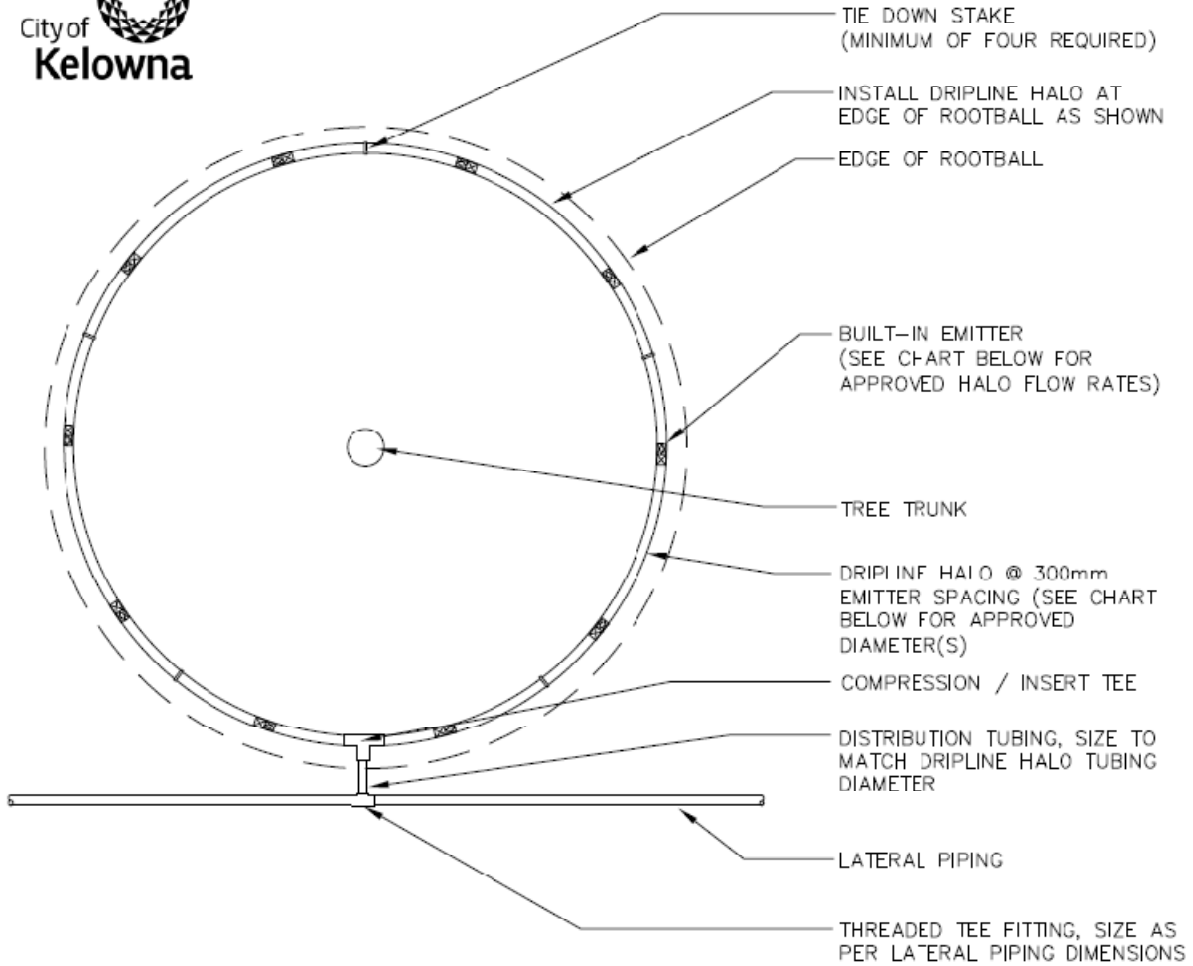
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

**Root Watering System
(Double)**

DETAIL No. :
SS-IR.11b



PLAN VIEW

N.B. All dimensions in millimetres, unless noted otherwise

DRIPLINE HALO SPECIFICATIONS FOR TREE IRRIGATION			
DRIPPER FLOW RATE	40" ROOTBALL	75" ROOTBALL	90" ROOTBALL
	(10.3ft. DRIP TUBING)	(19.3ft. DRIP TUBING)	(23.5ft. DRIP TUBING)
	10 EMITTERS	19 EMITTERS	23 EMITTERS
0.26 gph	2.6 gph / 0.04 gpm	4.9 gph / 0.08 gpm	6.0 gph / 0.10 gpm
0.40 gph	4.0 gph / 0.07 gpm	7.6 gph / 0.13 gpm	9.2 gph / 0.15 gpm
0.53 gph	5.3 gph / 0.09 gpm	10.1 gph / 0.17 gpm	12.2 gph / 0.20 gpm
0.60 gph	6.0 gph / 0.10 gpm	11.4 gph / 0.19 gpm	13.8 gph / 0.23 gpm
0.90 gph	9.0 gph / 0.15 gpm	17.1 gph / 0.29 gpm	20.7 gph / 0.35 gpm
1.0 gph	10.0 gph / 0.17 gpm	19.0 gph / 0.32 gpm	23.0 gph / 0.38 gpm
	gph = gallons per hour / gpm = gallons per minute		

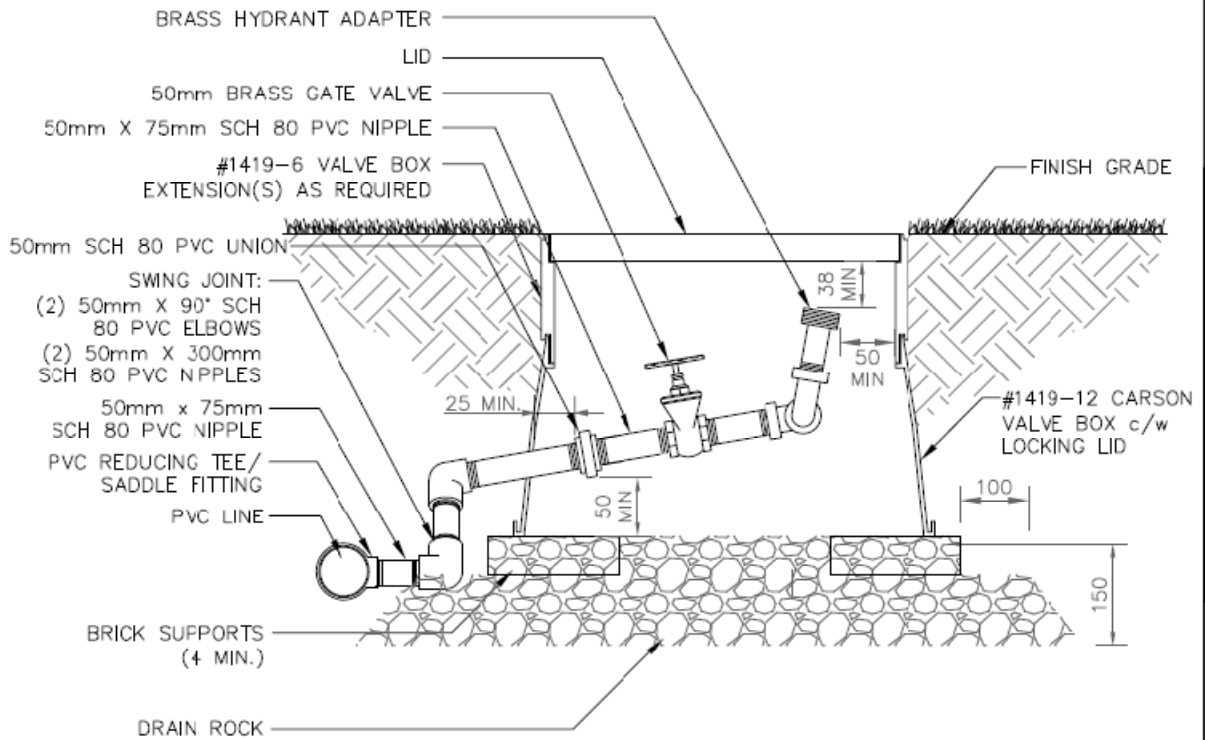
DECEMBER 2010

STANDARD
DETAIL
DRAWING

DETAIL
TITLE :

Tree Dripline

DETAIL No. :
SS-IR.11c



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

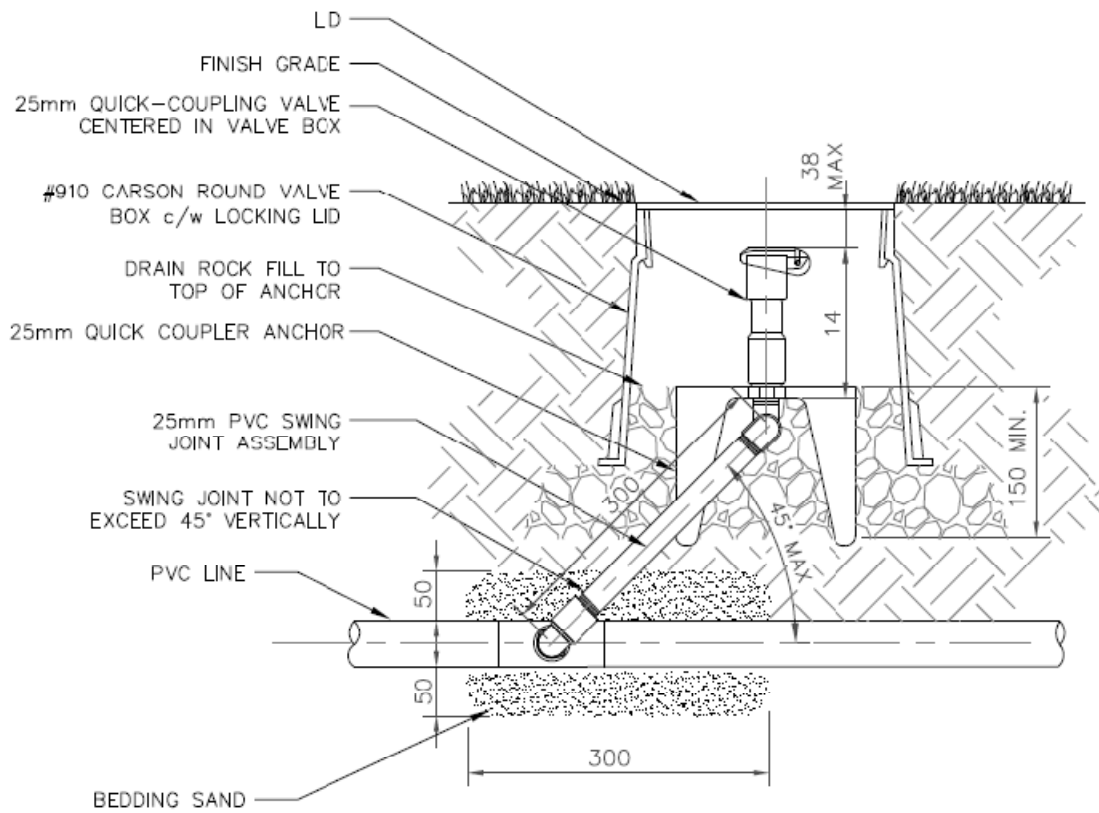
DECEMBER 2010

STANDARD
DETAIL
DRAWING

DETAIL
TITLE:

**Hydrant / Blow-Out Assembly
50mm**

DETAIL No. :
SS-IR.12a



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

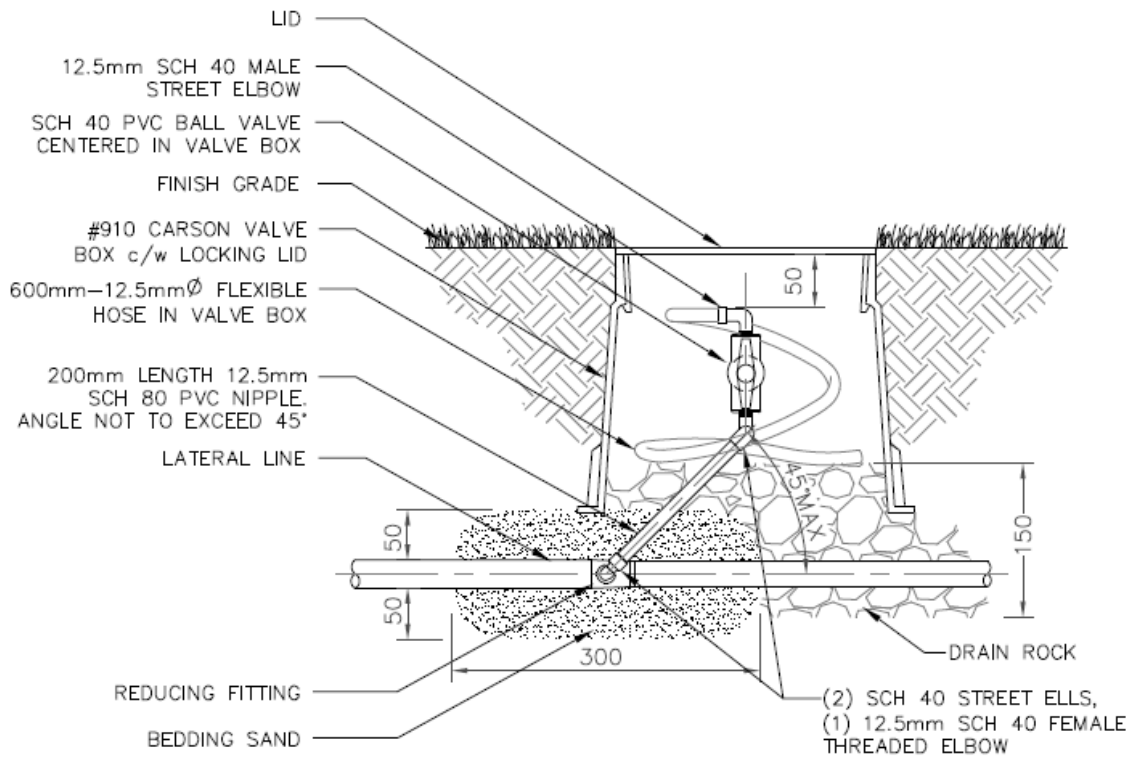
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Quick Coupler

DETAIL No :
SS-IR.12b



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

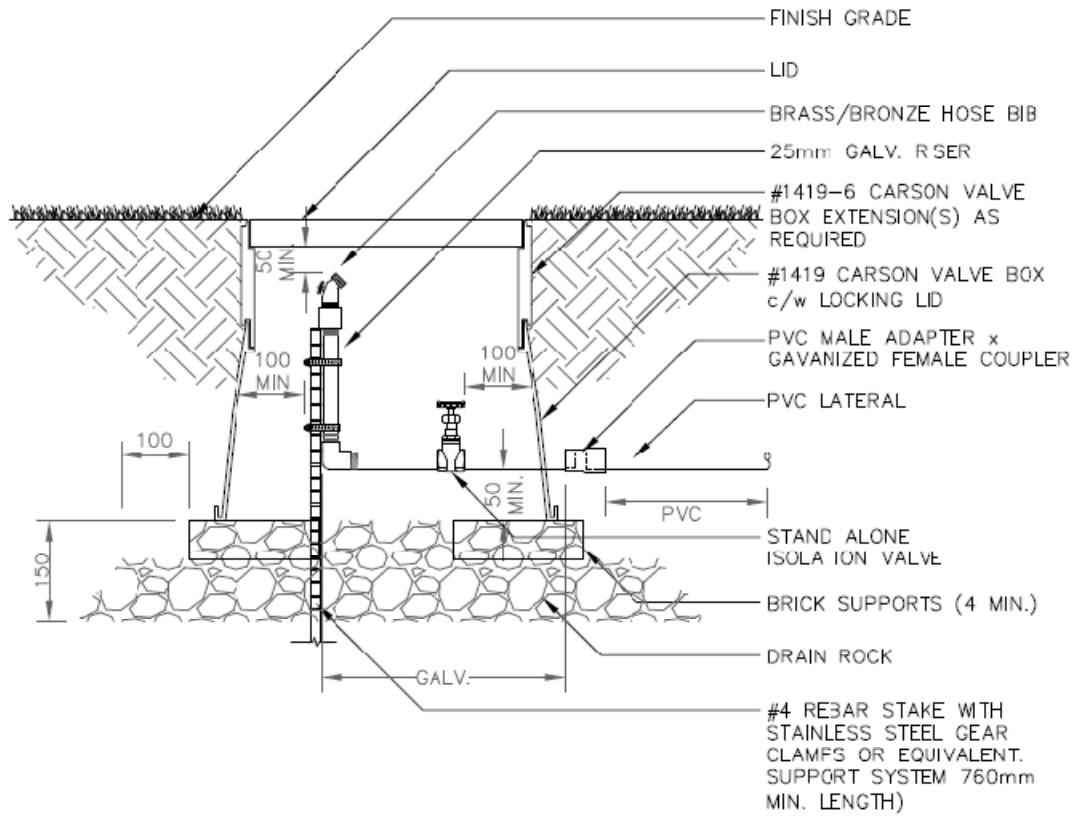
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Lateral End Flush Valve

DETAIL No. :
SS-IR.12c



SECTION

N.B. All dimensions in millimetres, unless noted otherwise

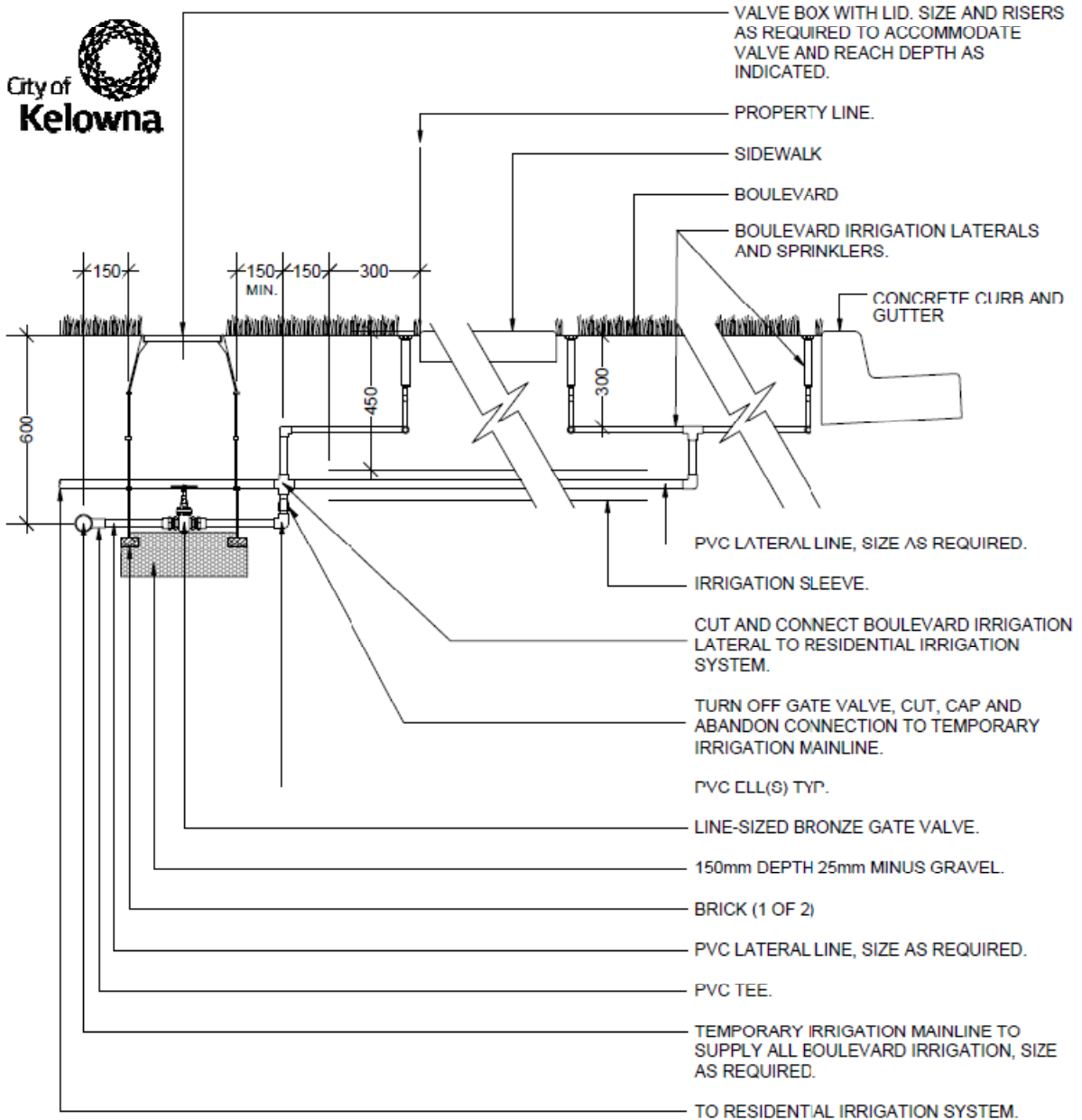
DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Hose Bib

DETAIL No. :
SS-IR.12d



NOTE:

1. AT THE TIME OF BUILDING OCCUPANCY BOULEVARD IRRIGATION OR WATERING SHALL BE PROVIDED BY THE ADJACENT PARCEL OWNER, AND THE CONNECTION TO A TEMPORARY IRRIGATION MAINLINE SHALL BE ABANDONED AT THAT PARCEL.
2. DEVELOPER SHALL BE RESPONSIBLE TO MAINTAIN WATER SUPPLY & TEMP IRRIGATION MAINLINE UNTIL ALL ADJACENT PARCELS CONNECT TO BOULEVARD LATERALS. AT THAT POINT DEVELOPER SHALL DECOMMISSION TEMP IRRIGATION MAINLINE INCLUDING WINTERIZE, CAP OFF AT MAINLINE, REMOVE METER(S) & BFP, TIMECLOCK & ALL WORK TO MAKE GOOD. PERMANENT IRRIGATION SUPPLY FROM FRONTING PROPERTY'S SYSTEMS.

N.B. All dimensions in millimetres, unless noted otherwise

DECEMBER 2010

**STANDARD
DETAIL
DRAWING**

DETAIL
TITLE :

Temporary Boulevard Irrigation

DETAIL No. :

SS-IR.13