

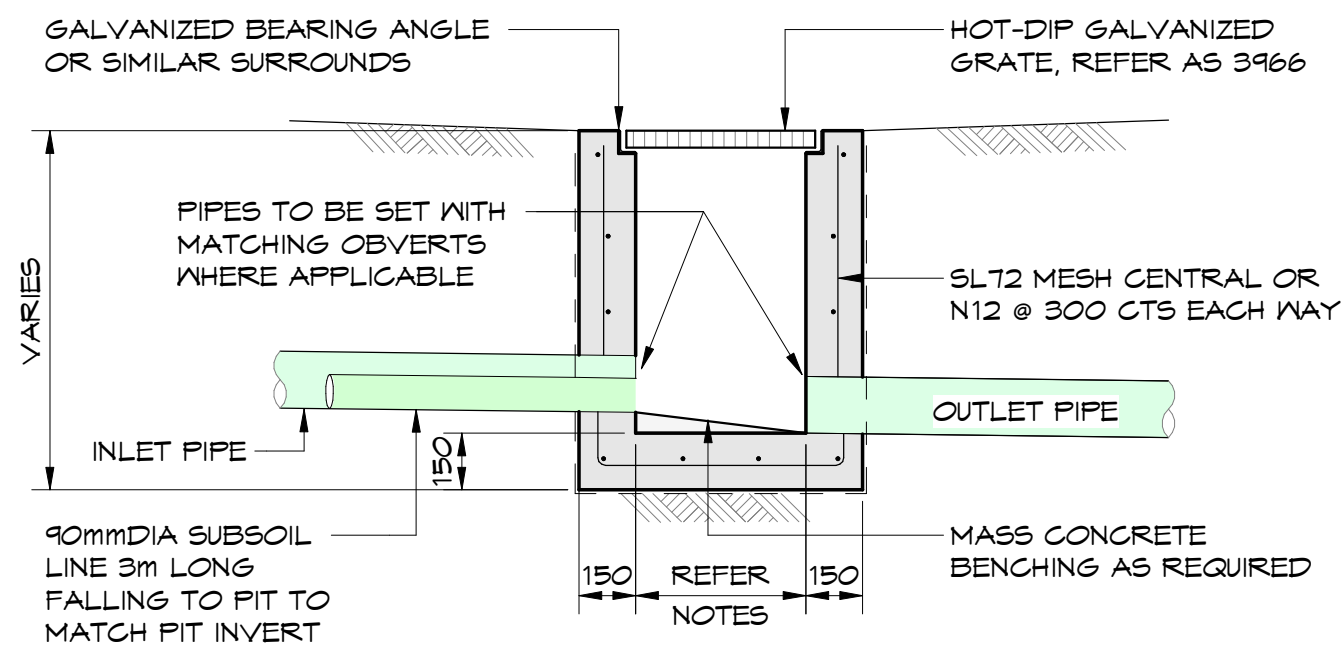
MINIMUM INTERNAL DIMENSIONS FOR STORMWATER PITS			
DEPTH OF INVERT OF OUTLET		DEPTH OF INVERT OF OUTLET	
		WIDTH	LENGTH
	< 600	450	450
> 600		600	600
> 900		600	900
> 1200		900	900

*STEP IRONS SHALL BE PROVIDED FOR PITS WITH DEPTHS EXCEEDING 1200mm

NOTES:

- CLIMB IRONS SHALL BE PROVIDED UNDER LID AT 300 CTS TO COUNCIL STANDARDS WHERE PIT DEPTH IS DEEPER THAN 1000.
- REINFORCEMENT NOTED IS ONLY REQUIRED FOR PITS EXCEEDING 900 DEEP, SUBJECT TO COUNCIL REQUIREMENTS. PITS GREATER THAN 3000 DEEP WILL REQUIRE STRUCTURAL ENGINEERS DESIGN.
- PROVIDE 90dia x 3000 LONG SUBSOIL DRAINAGE STUB PIPE SURROUNDED WITH 100mm THICKNESS OF NOMINAL 20mm COARSE FILTER MATERIAL WRAPPED IN GEOTEXTILE FILTER FABRIC. (BIDUM A24 OR APPROVED SIMILAR). TO BE PARALLEL TO UPSTREAM SIDE OF EACH INLET PIPE.
- ALTERNATIVE PIT CONSTRUCTION MAY BE USED SUBJECT TO THE ENGINEERS APPROVAL.
- CONCRETE STRENGTH F'c = 32 MPa

TYPICAL CONCRETE INLET PIT - CONCRETE SURFACE



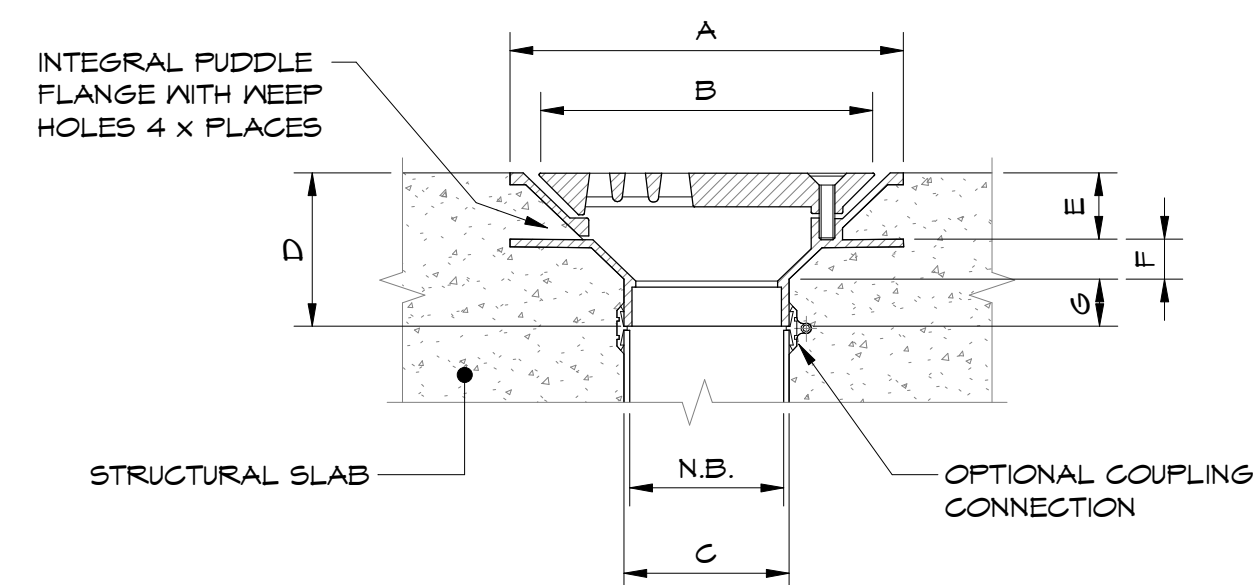
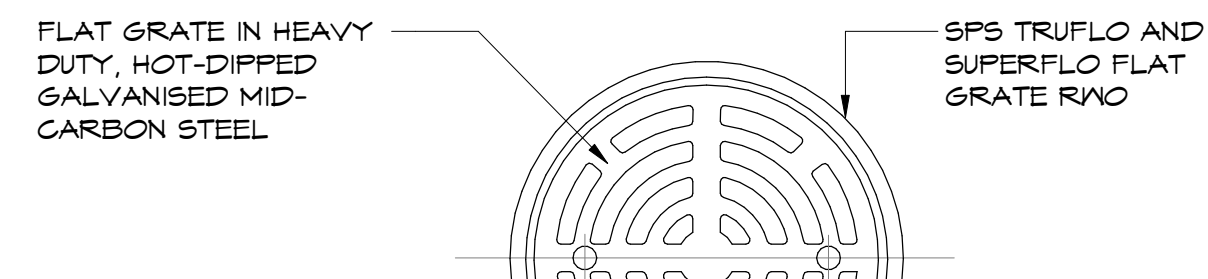
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TYPICAL CONCRETE INLET PIT - NATURAL SURFACE



N.B.	A	B	C	D	E	F	G	FLOW RATE = L/S
100	260	200	110	95	44	26	25	8.2
150	260	200	160	80	48	29	28	10.2
SUPERFLO**	400	290	160	143	66	39	38	17

* BASED ON 50mm HEAD OF WATER ABOVE SURFACE LEVEL. FOR FURTHER DATA REFER TO FLOW CHARTS.

** SUPERFLO AVAILABLE IN 150mm OUTLET ONLY.

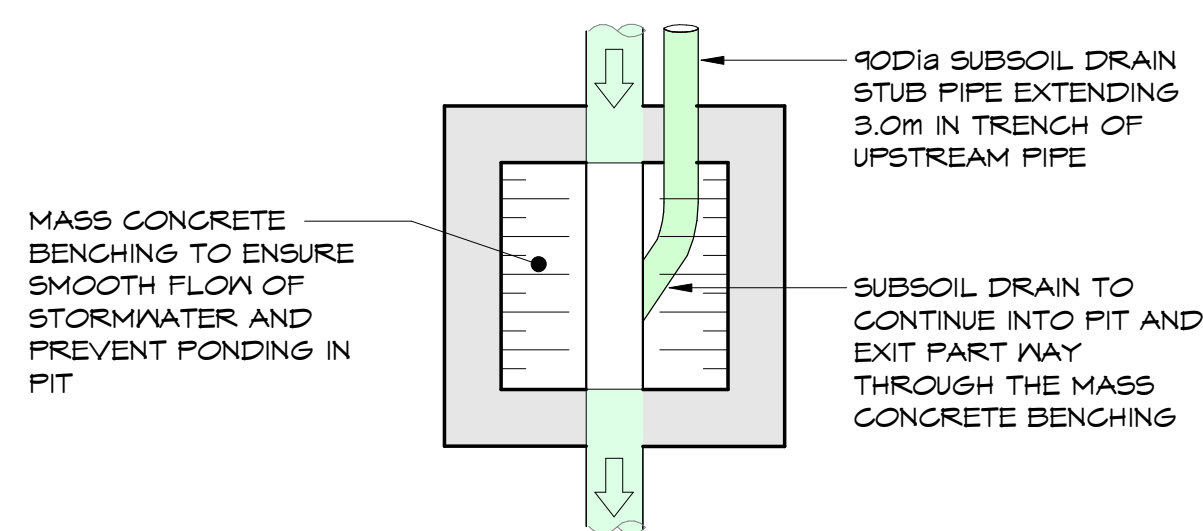
SPECIFICATION CODE:

- TIA100F (100mm TRUFLO C1 BODY, GALVANISED FLAT GRATE).
- TIA150F (150mm TRUFLO C1 BODY, GALVANISED FLAT GRATE).
- TIA100/90F2 (150mm SUPERFLO C1 BODY, GALVANISED FLAT GRATE).

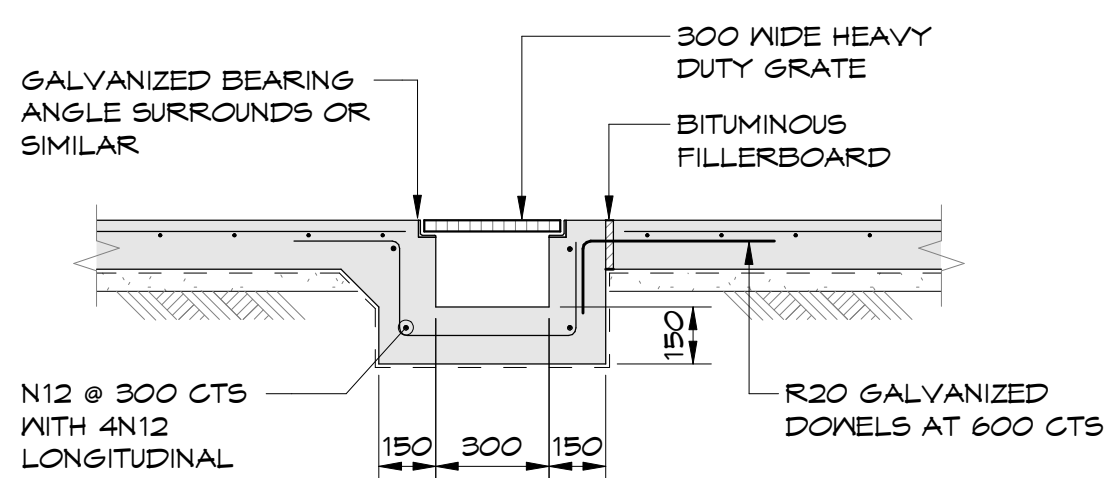
SUGGESTED APPLICATIONS:

- CAR PARK DECKS.
- PLANT ROOMS.
- PEDESTRIAN PREGINCTS.

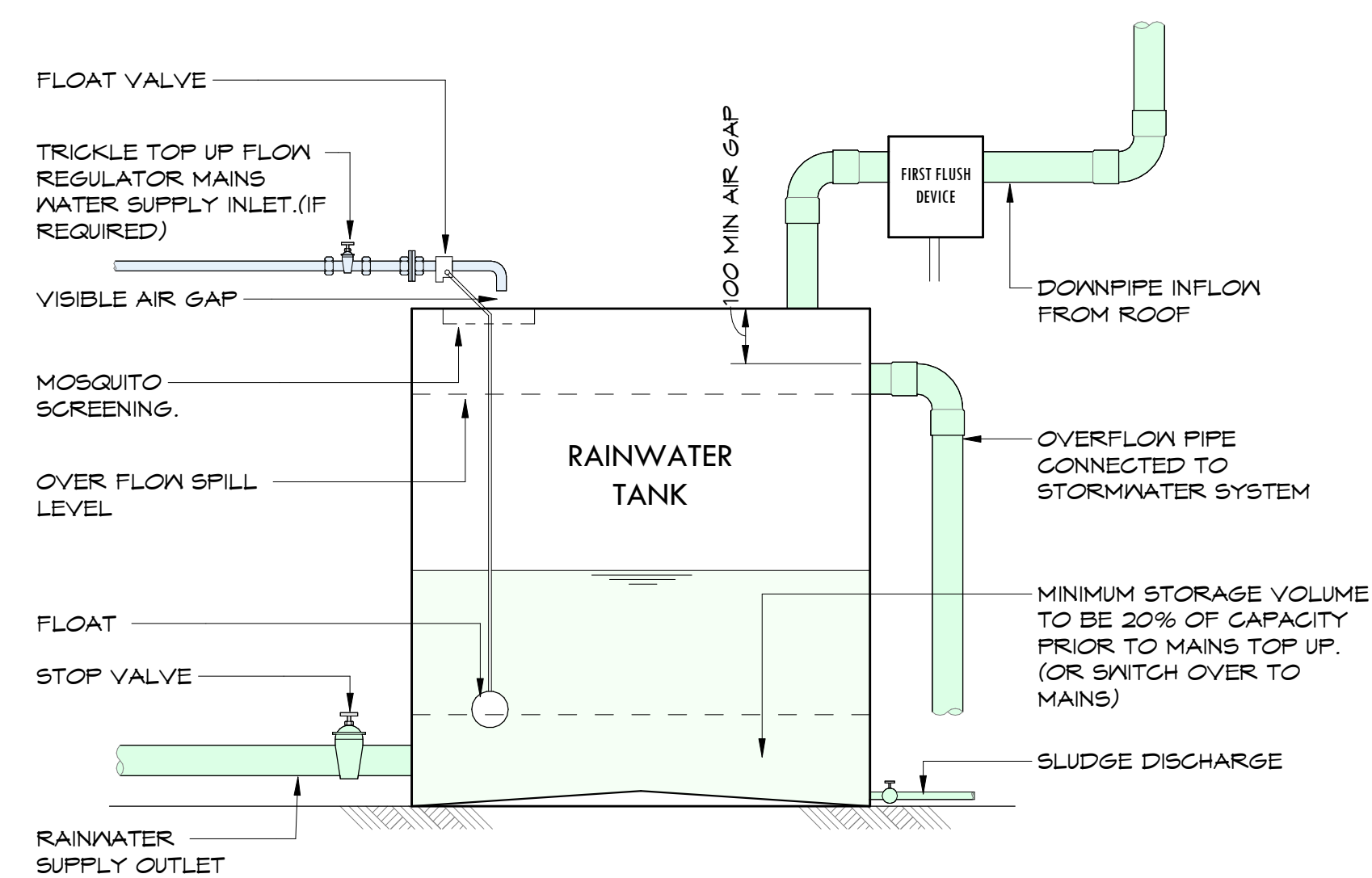
SPS TRUFLO & SUPERFLO FLAT GRATE RWO



TYPICAL SUBSOIL PIPE/PIT BENCHING



TYPICAL GRATED DRAIN DETAIL



NOTES:

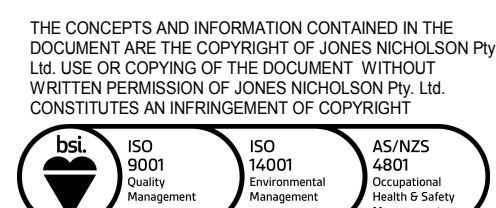
- RAINWATER TANKS USAGE TO BASIX REQUIREMENTS. MAINS WATER TOP-UP SYSTEM INSTALLED TO AS/NZS 3500.1 (2003) IS TO BE PROVIDED FOR TRICKLE TOP-UP OF RAINWATER TANK IF THE STORED WATER BECOMES LESS THAN SET MINIMUM WATER LEVEL. ALTERNATIVELY PROVIDE SWITCH OVER TO MAINS DEVICE WHEN TANK STORAGE REACHES MINIMUM WATER LEVEL. (RAINBANK OR SIMILAR).
- INSTALL FIRST FLUSH DEVICE TO RESTRICT LEAVES, DEBRIS, DUST AND OTHER CONTAMINATING MATERIAL ENTERING THE RAINWATER TANK AND POLLUTING THE WATER.

TYPICAL RAINWATER TANK DETAIL

AMDT	DATE	BY	DESCRIPTION
2	13.11.17	JH	SSD ISSUE
1	21.08.17	KG	PRELIMINARY ISSUE



JDH architects



JONES NICHOLSON
CONSULTING ENGINEERS

DESIGN : TH
DRAWN : KG
DATE : JULY 2017
DRG SIZE : A1
SCALE : As indicated
PROJECT MGR : BJ

CIVIL DESIGN
TYPICAL DETAILS -
SHEET 1

GREYSTANES PUBLIC SCHOOL
MERRYLANDS ROAD GREYSTANES
NSW 2145
JDH ARCHITECTS

161275
C050 2

NOT TO BE USED FOR CONSTRUCTION

Y

A

R

P

CIVIL

STRUCTURAL

BUILDING SERVICES

WWW.JONESNICHOLSON.COM.AU

ABN: 51 003 316 032