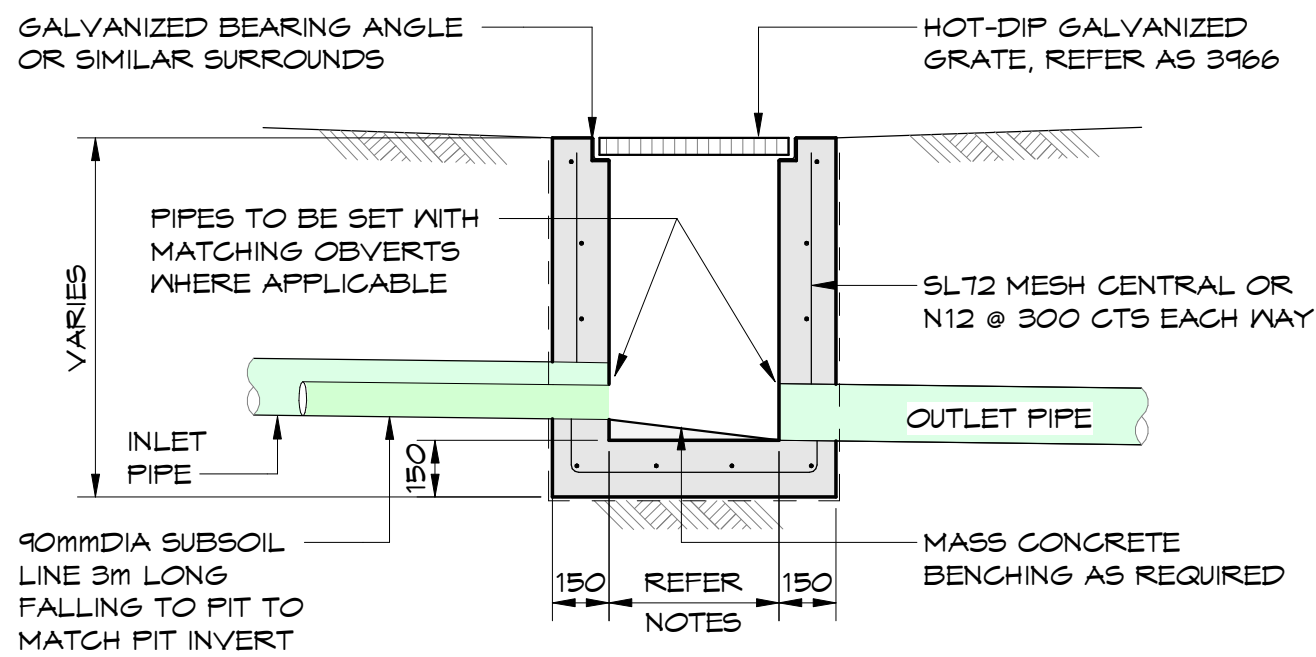


Job No. **161276**

S — S —	EXISTING SEWER LINE
T — T —	EXISTING TELSTRA LINE
G — G —	EXISTING GAS LINE
E — E —	EXISTING ELECTRICITY LINE
W — W —	EXISTING WATER LINE
O — O —	EXISTING OPTUS LINE
OF — OF —	EXISTING OPTIC FIBRE LINE
C — C —	EXISTING COMMUNICATIONS LINE

AB	ABOVE BENCH
AFB	ABOVE FINISHED FLOOR LEVEL
CL	CAS IN SLAB
CL	CENTLINE
CS	CEILING SPACE
Cu	COPPER
DIA	DIAMETER
DP	DOWNPIPE
Ex	EXISTING
FC	FALSE CEILING
FFL	FINISHED FLOOR LEVEL
GD	GRATED DRAIN
GL	GROUND LEVEL
HBS	PIPES HUNG BELOW SLAB
HL	HIGH LEVEL
IG	IN-GROUND
IL	INVERT LEVEL
LL	LOW LEVEL
PVC	POLYVINYLCHLORIDE
RWD	REDUCED LEVEL
RWR	RAINWATER REUSE
SL	SURFACE LEVEL
S/S	STAINLESS STEEL
STW	STORMWATER
UB	UNDER BENCH
UPVC	UNPLASTICISED POLYVINYLCHLORIDE
US	UNDER SIDE
VD	VERTICAL DRAIN

- a. AND THE MATERIAL PASSING THE 0.075 SEIVE HAVING LOW PLASTICITY AS DESCRIBED IN APPENDIX D OF A5176.
- b. BEDDING DEPTH UNDER THE PIPE TO BE 100mm.
- c. BEDDING MATERIAL TO BE EXTENDED FROM THE TOP OF THE BEDDING ZONE UP TO 0.13 TIMES PIPE OUTSIDE DIAMETER. THIS REPRESENTS THE HAUNCH ZONE.
- d. THE BEDDING & HAUNCH ZONE MATERIAL IS TO BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 98% WITHIN ROAD RESERVES AND TRAFFICABLE AREAS AND 95% ELSEWHERE FOR COHESIVE MATERIAL OR A MINIMUM DENSITY INDEX OF 70% IN ACCORDANCE WITH THE STANDARDS FOR COHESIVENESS MATERIAL.
- e. CONTRACT TESTING SHALL BE CARRIED OUT BY AN APPROVED ORGANIZATION WITH A NATA CERTIFIED LABORATORY FOR ALL DRAINAGE LINES LAID WHOLLY OR IN PART UNDER THE KERB & GUTTER OR PAVEMENT.
3. BACKFILL SHALL BE PLACED & COMPACTED IN ACCORDANCE WITH THE SPECIFICATION A GRANULAR GRAVEL AGGREGATE MATERIAL (1-10mm) BACKFILL IS RECOMMENDED FOR THE BEDDING, HAUNCH SUPPORT AND SIDE SLOPES TO BE SELF COMPACTING ABLE.
4. A MINIMUM OF 150mm CLEARANCE IS TO BE PROVIDED BETWEEN THE OUTSIDE OF THE PIPE BARREL AND THE TRENCH WALL FOR PIPES < 600 DIA. 200mm CLEARANCE FOR PIPES 600 TO 1200 DIA AND 0/6 CLEARANCE FOR PIPES > 1200 DIA.



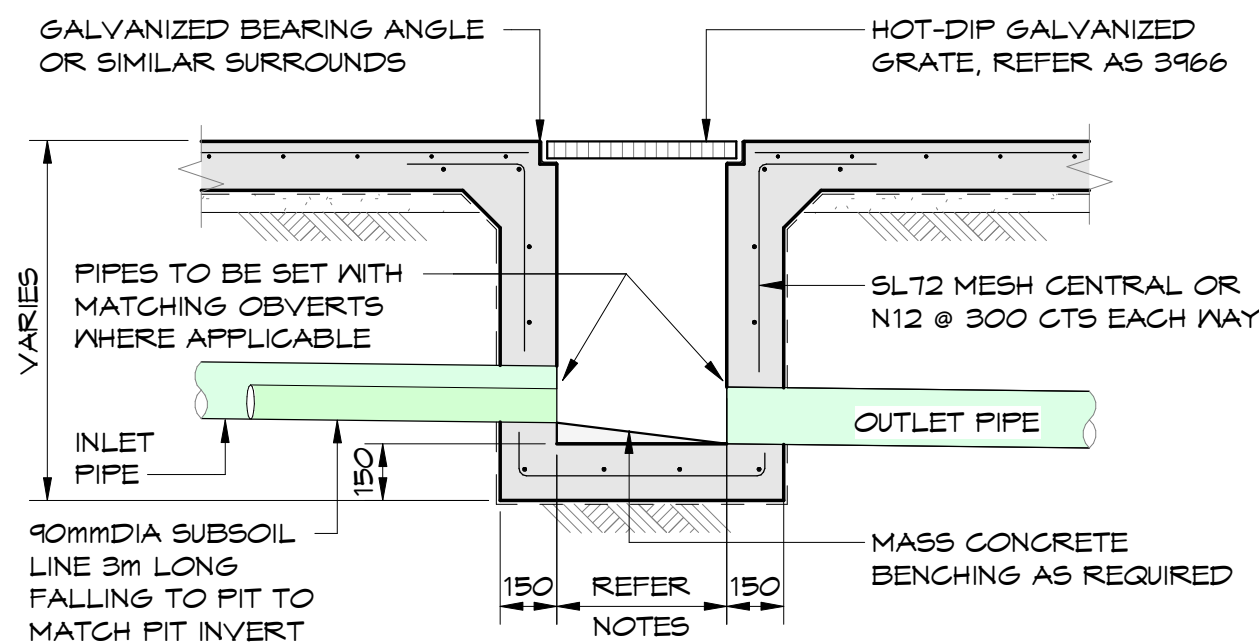
MINIMUM INTERNAL DIMENSIONS FOR STORMWATER PITS			
DEPTH OF INVERT OF OUTLET		DEPTH OF INVERT OF OUTLET	
		WIDTH	LENGTH
	< 600	450	450
> 600		600	600
> 900		600	600
> 1200		900	900

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

NOTES

1. CLIMB IRONS SHALL BE PROVIDED UNDER LID AT 300 CTS TO COUNCIL STANDARDS WHERE PIT DEPTH IS DEEPER THAN 1000.
2. REINFORCEMENT NOTED IS ONLY REQUIRED FOR PITS EXCEEDING 900 DEEP, SUBJECT TO COUNCIL REQUIREMENTS. PITS GREATER THAN 3000 DEEP WILL REQUIRE STRUCTURAL ENGINEERS DESIGN.
3. 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.
4. ALTERNATIVE PIT CONSTRUCTION MAY BE USED SUBJECT TO THE ENGINEERS APPROVAL.
5. CONCRETE STRENGTH F'c = 32 MPa

TYPICAL CONCRETE INLET PIT - NATURAL SURFACE



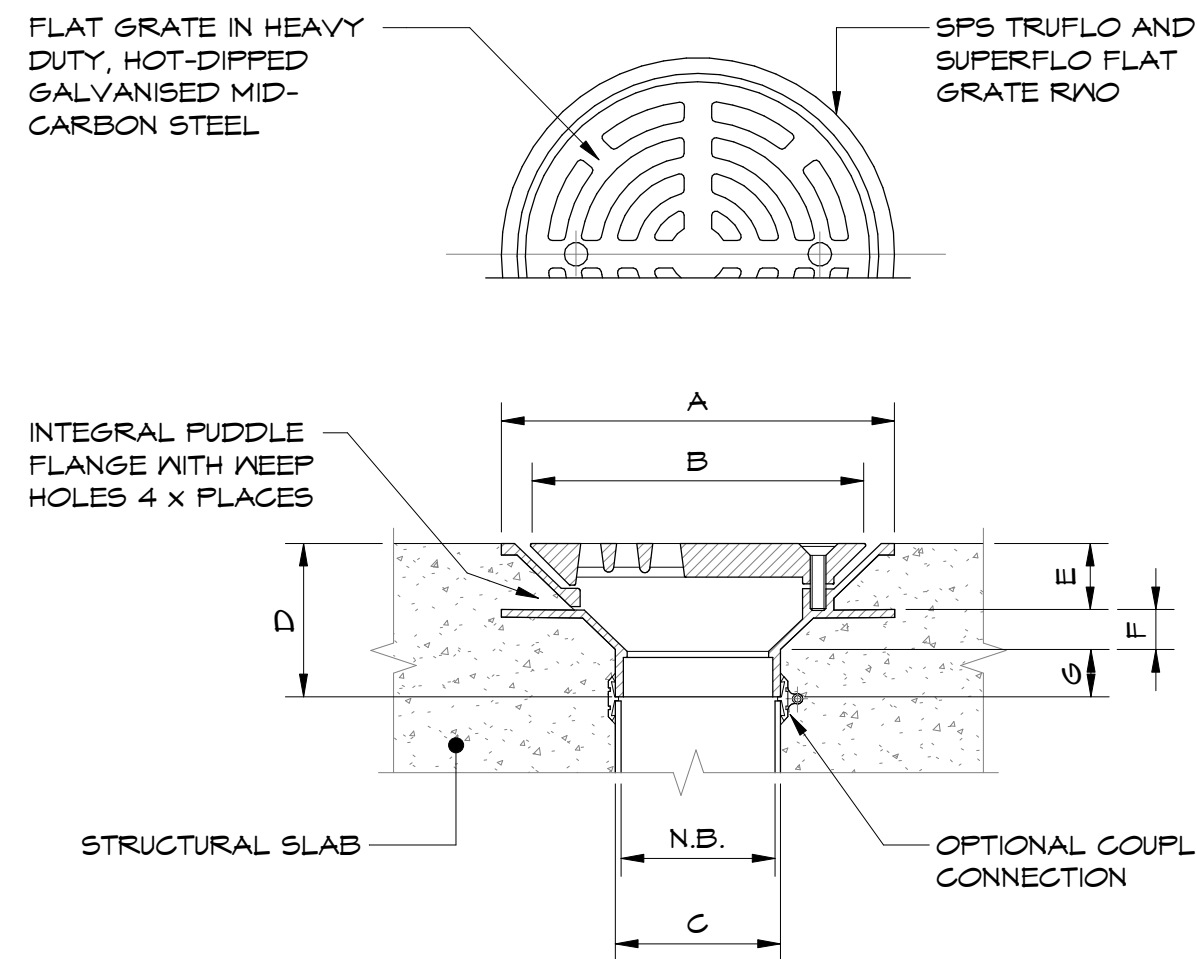
MINIMUM INTERNAL DIMENSIONS FOR STORMWATER PITS			
DEPTH OF INVERT OF OUTLET		DEPTH OF INVERT OF OUTLET	
		WIDTH	LENGTH
	< 600	450	450
> 600		600	600
> 900		600	600
> 1200		900	900

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NOTES:

1. CLIMB IRONS SHALL BE PROVIDED UNDER LID AT 300 CTS TO COUNCIL STANDARDS WHERE PIT DEPTH IS DEEPER THAN 1000.
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4. ALTERNATIVE PIT CONSTRUCTION MAY BE USED SUBJECT TO THE ENGINEERS APPROVAL.
5. CONCRETE STRENGTH F'c = 32 MPa

TYPICAL CONCRETE INLET PIT - CONCRETE SURFACE



N.B.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	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.

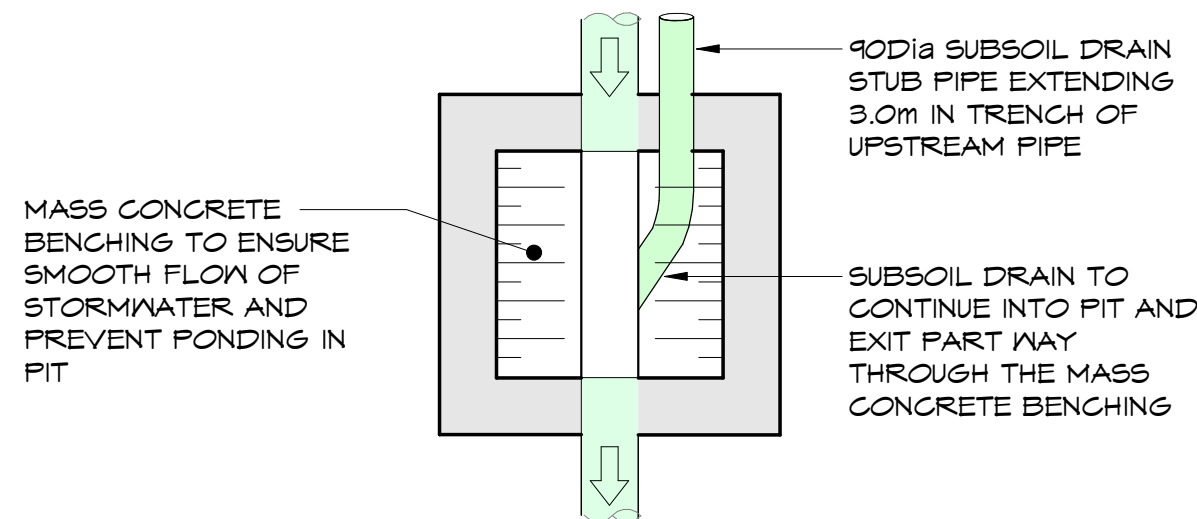
SPECIFICATION CODE:

- TIA100F (100mm TRUFLO G1 BODY, GALVANISED FLAT GRATE).
- TIA150F (150mm TRUFLO G1 BODY, GALVANISED FLAT GRATE).
- TIA100/90F2 (150mm SUPERFLO G1 BODY, GALVANISED FLAT GRATE).

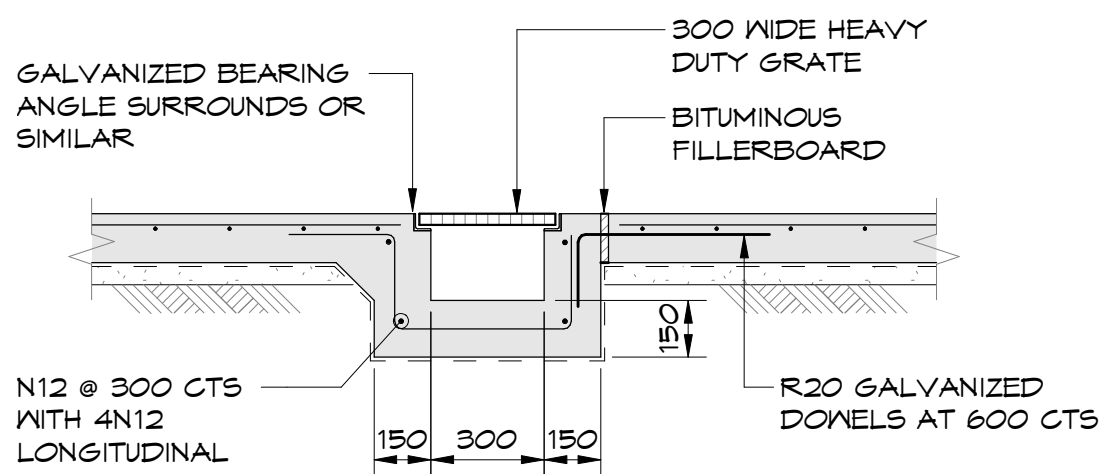
SUGGESTED APPLICATIONS:

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

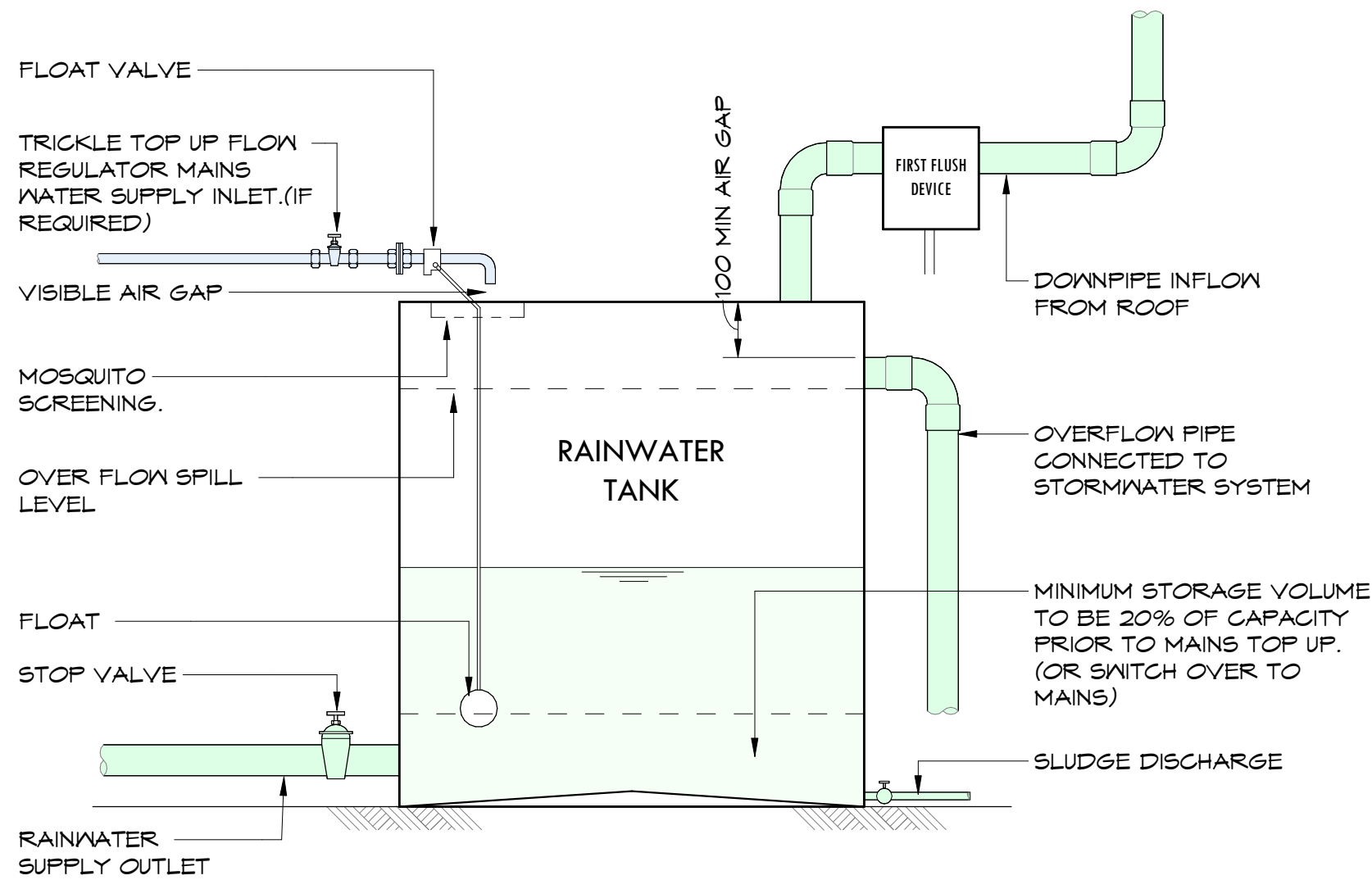
SPS TRUFLO & SUPERFLO FLAT GRATE RWO



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	23.08.17	KG	REISSUED FOR DA
1	11.08.17	KG	ISSUED FOR DA

ISO 9001	Quality Management	ISO 14001	Environmental Management	AS/NZS 4801	Occupational Health & Safety Management
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JONES NICHOLSON CONSULTING ENGINEERS

DESIGN :
DRAWN :
DATE :
DRG SIZE : A1
SCALE : As indicated
PROJECT MGR : BJ

TYPICAL DETAILS - SHEET 1

LIDCOMBE PUBLIC SCHOOL
MILLS STREET LIDCOMBE NSW 2141
JDH ARCHITECTS

161276
C050 2

CIVIL STRUCTURAL BUILDING SERVICES

WWW.JONESNICHOLSON.COM.AU

ABN: 51 003 316 032

NOT TO BE USED FOR CONSTRUCTION

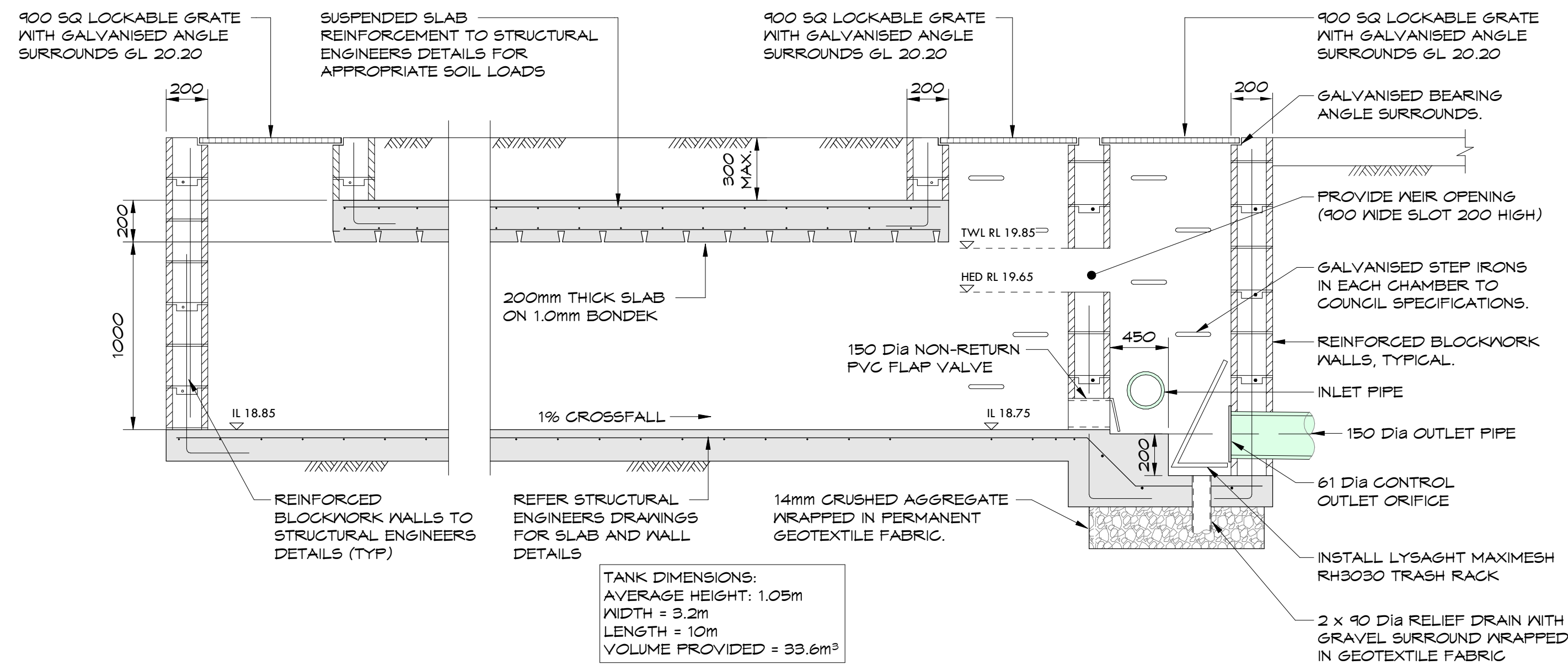
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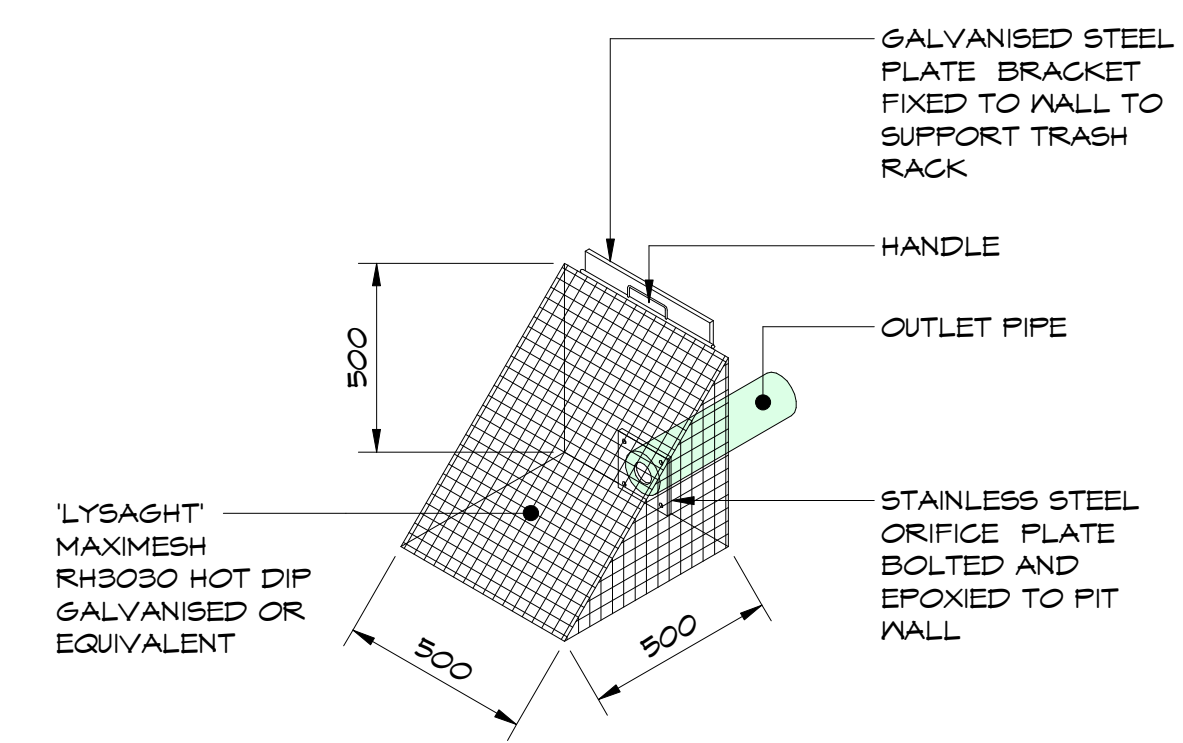
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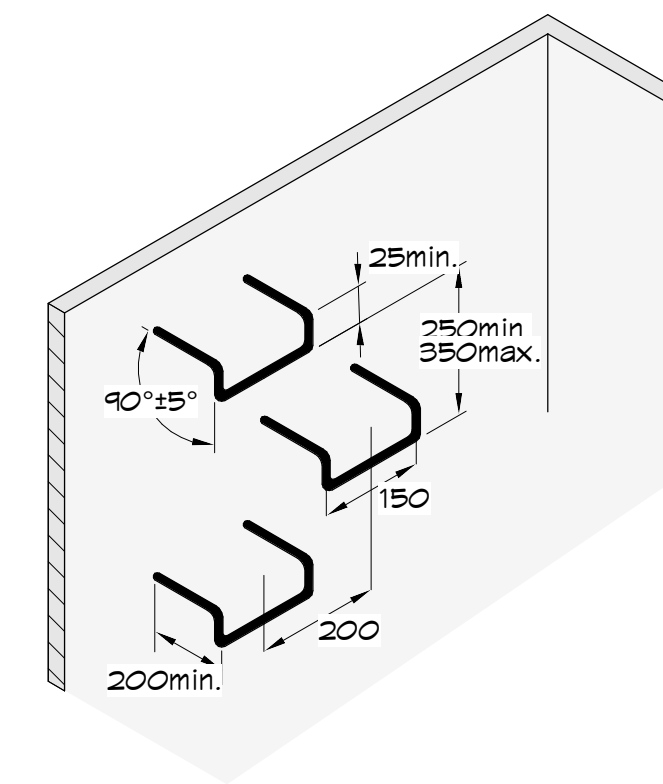
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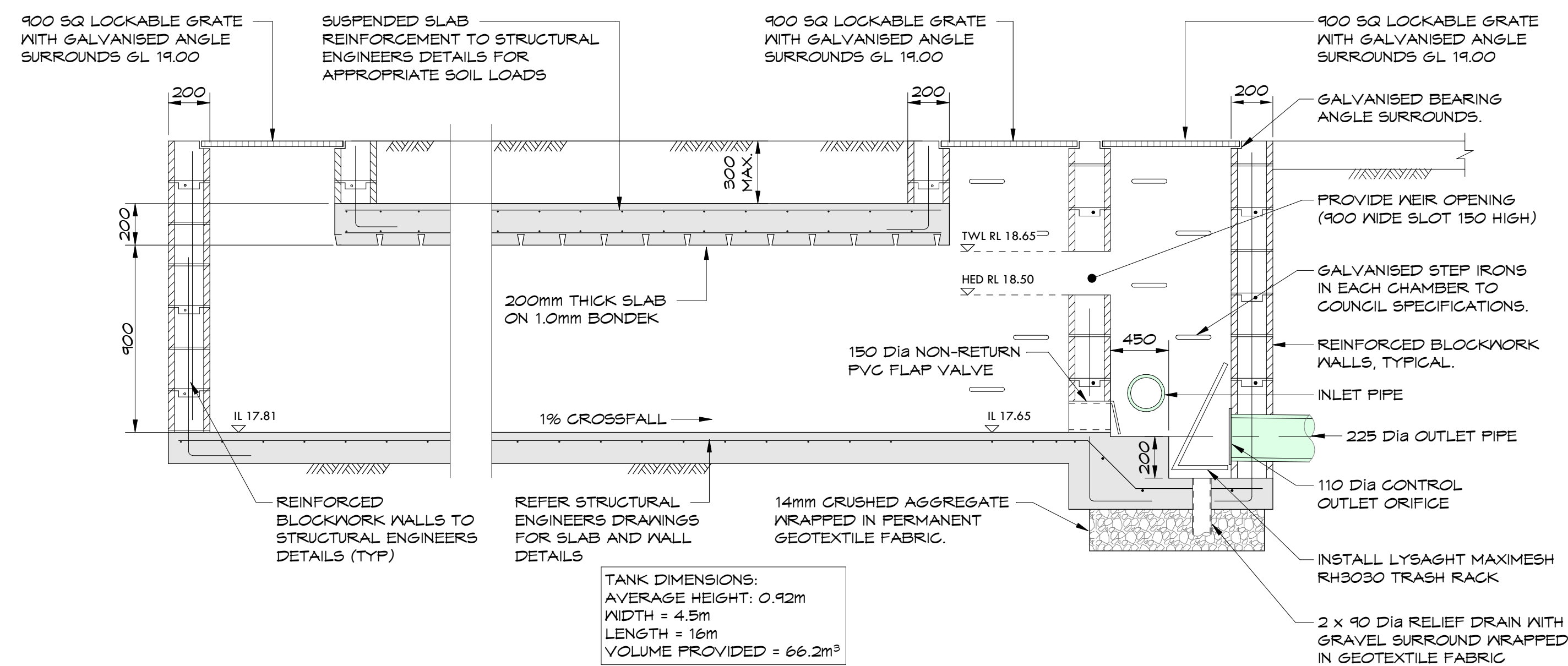
ON SITE DETENTION TANK 1 DETAIL



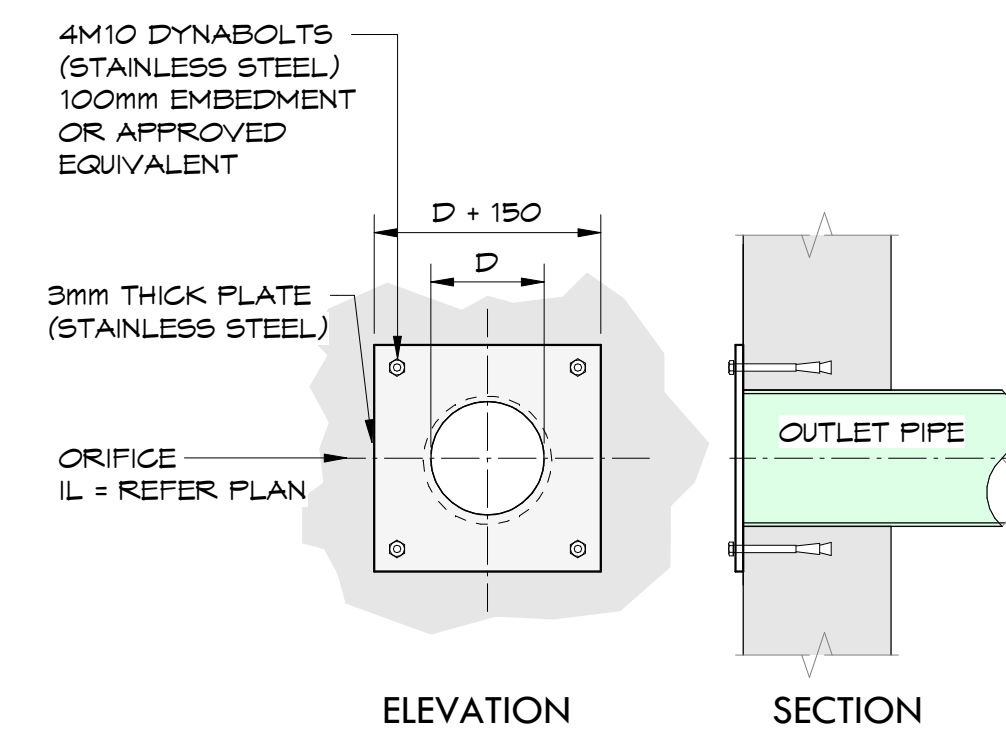
TYPICAL TRASH RACK SCREEN DETAIL



STEP IRON DETAIL

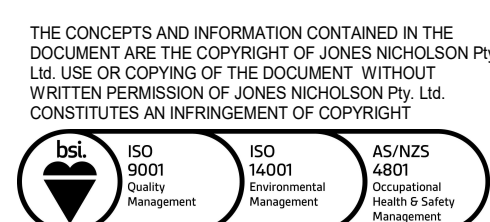


ON SITE DETENTION TANK 2 DETAIL



TYPICAL ORIFICE PLATE DETAIL

AMDT	DATE	BY	DESCRIPTION
2	23.08.17	KG	REISSUED FOR DA
1	11.08.17	KG	ISSUED FOR DA



JONES NICHOLSON
CONSULTING ENGINEERS

DESIGN :
DRAWN :
DATE :
DRG SIZE : A1
SCALE : As indicated
PROJECT MGR : BJ

TYPICAL DETAILS -
SHEET 2

**LIDCOMBE PUBLIC
SCHOOL**
MILLS STREET LIDCOMBE NSW 2141
JDH ARCHITECTS

161276
C051 2

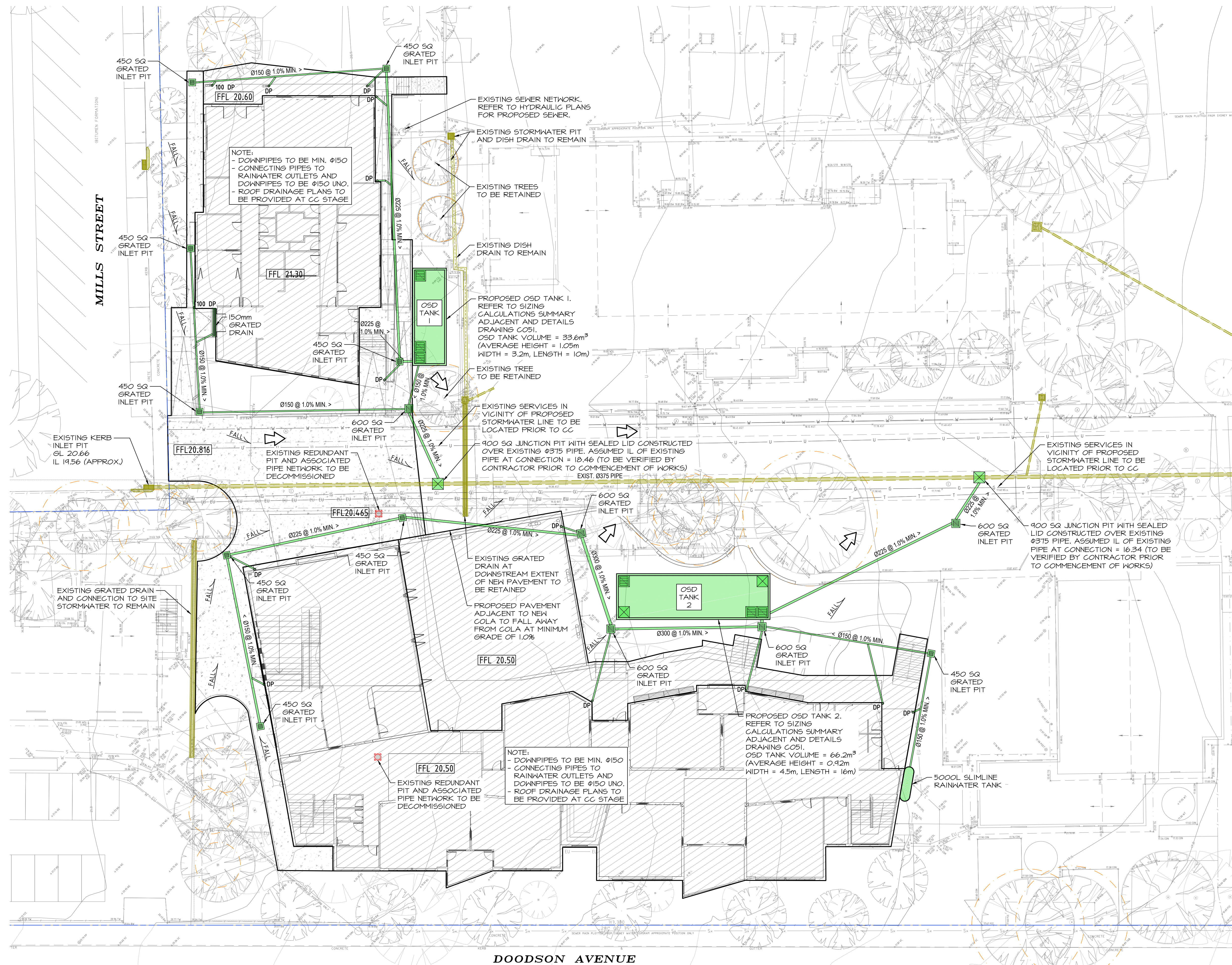
NOT TO BE USED FOR
CONSTRUCTION

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CIVIL · STRUCTURAL · BUILDING SERVICES

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ABN: 51 003 316 032



OSD SUMMARY

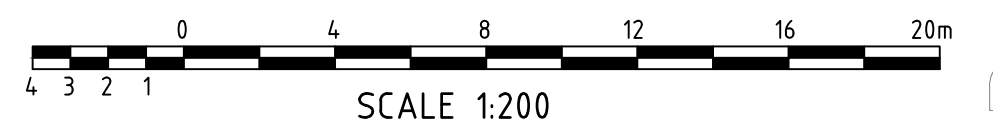
TANK 1

OSD Catchment:	Lower Haslams Creek
S.S.R.:	325 cum/Ha
P.S.D.:	150 L/s/Ha
New site footprint:	0.044 Ha
Percentage to storage:	85%
Storage /Ha of contributing area:	382.28 cum/Ha
Vol/PSD Adjustment:	106.35
PSD for site:	8.51 L/s
Max Head to orifice centre:	1.1m
Calculated orifice dia:	0.061m
Max discharge:	8.51 L/s
Head for H.E.D.:	0.90m
H.E.D.:	7.70 (90%)
Mean Discharge:	8.10 L/s
Average Discharge/Ha:	101.25 L/s/Ha
Final Site Storage Ratio:	348 cum/Ha
Site Storage Volume:	31.26 cum
Volume Provided:	33.6 cum

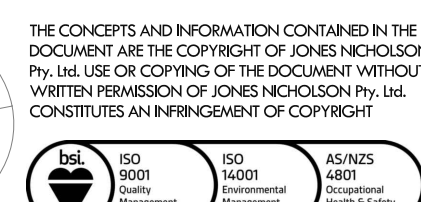
OSD SUMMARY

TANK 2

OSD Catchment:	Lower Haslams Creek
S.S.R.:	325 cum/Ha
P.S.D.:	150 L/s/Ha
New site footprint:	0.147 Ha
Percentage to storage:	100%
Storage /Ha of contributing area:	325 cum/Ha
Vol/PSD Adjustment:	132.45
PSD for site:	26.16 L/s
Max Head to orifice centre:	1.0m
Calculated orifice dia:	0.100m
Max discharge:	26.16 L/s
Head for H.E.D.:	0.85m
H.E.D.:	24.12 (92%)
Mean Discharge:	25.14 L/s
Average Discharge/Ha:	127.67 L/s/Ha
Final Site Storage Ratio:	336 cum/Ha
Site Storage Volume:	66.2 cum
Volume Provided:	66.5 cum



3	07.04.17	KG	ISSUED FOR DA (REVISED ARCHITECTURAL)
2	23.08.17	KG	ISSUED FOR DA (REVISED ARCHITECTURAL)
1	11.08.17	KG	ISSUED FOR DA
AMDT	DATE	BY	DESCRIPTION



JONES NICHOLSON
CONSULTING ENGINEERS

DESIGN : TH
DRAWN : KG
DATE : JUL 2017
DRG SIZE : A1
SCALE : 1:200
PROJECT MGR : BJ

CIVIL DESIGN
EXTERNAL
STORMWATER
PLAN

LIDCOMBE PUBLIC
SCHOOL
MILLS STREET
LIDCOMBE, NSW 2141
JDH ARCHITECTS

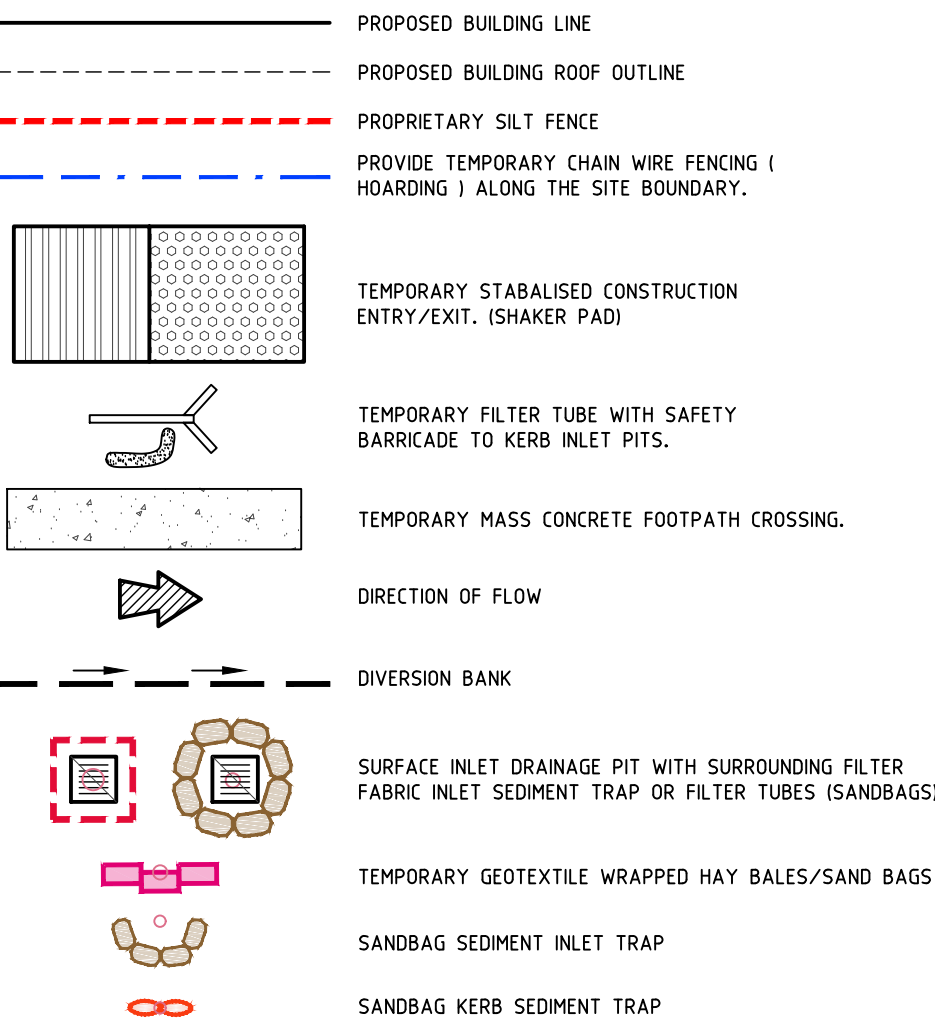
161276
C1003

LIDCOMBE PUBLIC SCHOOL

MILLS STREET LIDCOMBE NSW 2141

Job. No 161276

EROSION SEDIMENT CONTROL LEGEND

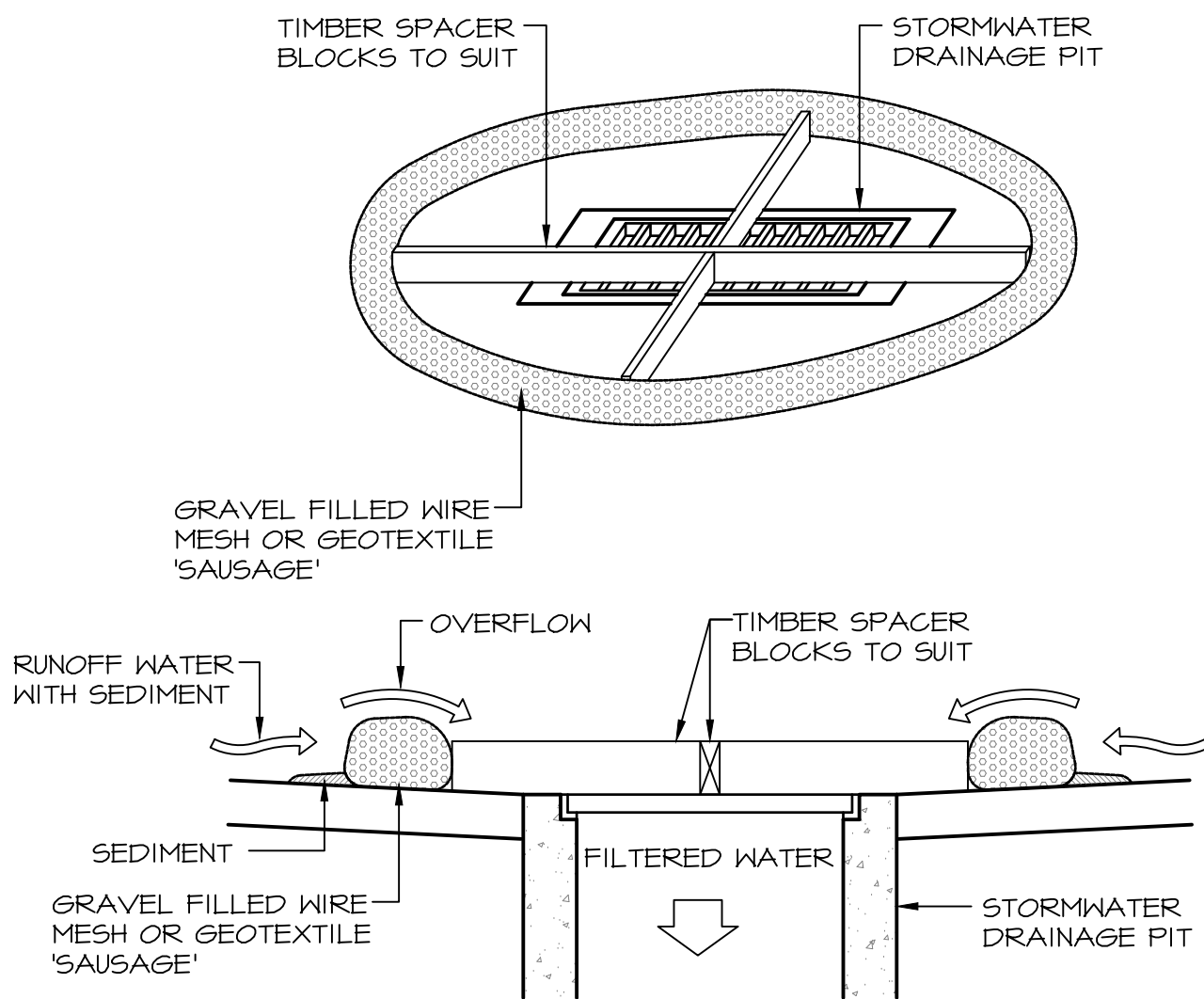


EROSION SEDIMENT CONTROL

- EROSION & SEDIMENT CONTROLS TO BE INSTALLED IN ACCORDANCE WITH COUNCIL'S SPECIFICATION & THE NSW DEPARTMENT OF HOUSING "BLUE BOOK" - SOILS AND CONSTRUCTION - MANAGING URBAN STORMWATER, 2004. REFER TO THE BLUE BOOK FOR STANDARD DRAWINGS "SD".
- SEDIMENT & EROSION CONTROLS MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS OR DEMOLITION ACTIVITY. THE LOCATION OF SUCH DEVICES IS INDICATIVE ONLY AND FINAL POSITION SHOULD BE DETERMINED ON SITE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MEASURES ARE TAKEN DURING THE COURSE OF CONSTRUCTION TO PREVENT SEDIMENT EROSION AND POLLUTION OF THE DOWNSTREAM SYSTEM. SUPERVISING ENGINEER SHOULD BE CONTACTED IF IN DOUBT. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED SOIL STOCKPILE SITE.
- RETAIN ALL EXISTING GRASS COVER WHEREVER POSSIBLE. TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE. A SEDIMENT FENCE TO BE PLACED DOWNHILL OF STOCKPILE.
- AREAS OF SITE REGRADING ARE TO BE COMPLETED PROGRESSIVELY DURING THE WORKS AND STABILISED AS EARLY AS POSSIBLE. THE SUPERVISING ENGINEER MAY DIRECT THE CONTRACTOR TO HAVE AREAS OF DISTURBANCE COMPLETED AND STABILISED DURING THE COURSE OF THE WORKS.
- ALL DISTURBED AREAS ARE TO BE SEEDED & FERTILISED WITHIN 14 DAYS OF EXPOSURE.
- ALL EXISTING TREES TO BE RETAINED UNLESS SHOWN OTHERWISE ON APPROVED DRAWINGS. TREES RETAINED ARE TO BE PROTECTED WITH A HIGH VISIBILITY FENCE, PLUS FLAGGING TO INDIVIDUAL TREES AS NECESSARY.
- INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADEN WATER. UNTIL SURROUNDING AREAS ARE PAVED OR REGRASSED. GRAVEL OR GEOTEXTILE INLET FILTERS TO SD6-11 & SD6-12.
- ALL SILT FENCES & BARRIERS ARE TO BE MAINTAINED IN GOOD ORDER & REGULARLY DESILTED DURING THE CONSTRUCTION PERIOD. SILT FENCES TO SD6-8 OR SD6-9.
- STOCKPILES OF LOOSE MATERIALS SUCH AS SAND, SOIL, GRAVEL MUST BE COVERED WITH GEOTEXTILE SILT FENCE MATERIAL. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED. SAFETY BARRICADING SHOULD BE USED TO ISOLATE STOCKPILES OF SOLID MATERIALS SUCH AS STEEL REINFORCING, FORMWORK AND SCAFFOLDING.
- WASTE MATERIALS ARE TO BE STOCKPILED OR LOADED INTO SKIP-BINS LOCATED ON SITE AS SHOWN ON PLAN.
- NO MORE THAN 150m OF TRENCHING TO BE OPEN AT ANY ONE TIME. IMMEDIATELY AFTER TRENCH BACKFILLING, PROVIDE SANDBAGS OR SAUSAGE FILTERS ACROSS EACH TRENCH AT MAXIMUM 20m SPACINGS. FILTERS TO REMAIN IN PLACE UNTIL REVEGETATION HAS OCCURRED.
- ALL VEHICLES LEAVING THE SITE MUST PASS OVER THE STABILISED SITE ACCESS BALLAST AREA (SIMILAR TO SD6-14) TO SHAKE OFF SITE CLAY AND SOIL. IF NECESSARY WHEELS AND AXLES ARE TO BE HOSED DOWN. BALLAST IS TO BE MAINTAINED & REPLACED AS NECESSARY DURING THE CONSTRUCTION PERIOD.
- THE HEAD CONTRACTOR IS TO INFORM ALL SITE STAFF AND SUB-CONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.
- ANY SEDIMENT DEPOSITED ON THE PUBLIC WAY, INCLUDING FOOTPATH RESERVE AND ROAD SURFACE, IS TO BE REMOVED IMMEDIATELY.
- PROVIDE BARRIERS AROUND ALL CONSTRUCTION WORKS WITHIN THE FOOTPATH AREA TO PROVIDE SAFE ACCESS FOR PEDESTRIANS.
- CONCRETE PUMPS AND CRANES ARE TO OPERATE FROM WITHIN THE BALLAST ENTRY DRIVEWAY AREA AND ARE NOT TO OPERATE FROM THE PUBLIC ROADWAY UNLESS SPECIFIC COUNCIL PERMISSION IS OBTAINED.
- DELIVERY VEHICLES MUST NOT STAND WITHIN THE PUBLIC ROADWAY FOR MORE THAN 20 MINUTES AT A TIME.
- TRUCKS REMOVING EXCAVATED / DEMOLISHED MATERIAL SHOULD TRAVEL ON STABILISED CONSTRUCTION PATHS. MATERIAL TO BE TAKEN TO THE TRUCK TO REDUCE TRUCK MOVEMENT ON SITE. TRUCKS TO BE LIMITED TO SINGLE UNIT HEAVY RIGID VEHICLES. (NO SEMITRAILERS)
- ANY EXCAVATION WORK ADJACENT TO ADJOINING PROPERTIES OR THE PUBLIC ROADWAY IS NOT TO BE COMMENCED UNTIL THE STRUCTURAL ENGINEER IS CONSULTED AND SPECIFIC INSTRUCTIONS RECEIVED FROM THE ENGINEER.
- TOILET FACILITIES MUST BE EITHER A FLUSHING TYPE OR APPROVED PORTABLE CHEMICAL CLOSET. CHEMICAL CLOSETS ARE TO BE MAINTAINED & SERVICED ON A REGULAR BASIS SO THAT OFFENSIVE ODOUR IS NOT EMITTED.
- DURING TRENCH EXCAVATION ALL SPILL SHALL BE MOUNDED ON THE UPSHILL SIDE OF TRENCHES AND PLACEMENT IS TO COMPLY WITH THE SUPERINTENDENTS REQUIREMENT.
- DIVERSION BANKS SHOULD BE CONSTRUCTED BY MOUNDING STRIPPED TOPSOIL (MIN HEIGHT 600mm) WHERE DIRECTED. MATERIAL TO BE RESPADED ON FOOTWAYS AFTER FINAL TRIMMING.
- UNDISTURBED BUFFER ZONE AREAS ARE CLOSED TO ALL TRAFFIC MOVEMENTS UNLESS OTHERWISE NOTED BY THE SUPERINTENDENT AND ACCESS TO THE SEWER OR C.D.L. TRENCHING WILL BE AS SHOWN, OR HEAVY PENALTIES MAY BE IMPOSED.
- TRAFFIC MANAGEMENT MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION. IN ACCORDANCE WITH R.T.A. TRAFFIC CONTROL AT WORK SITES - (CURRENT EDITION) AND AS 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.'
- PEDESTRIAN CONTROL MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION. IN ACCORDANCE WITH AS 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.'

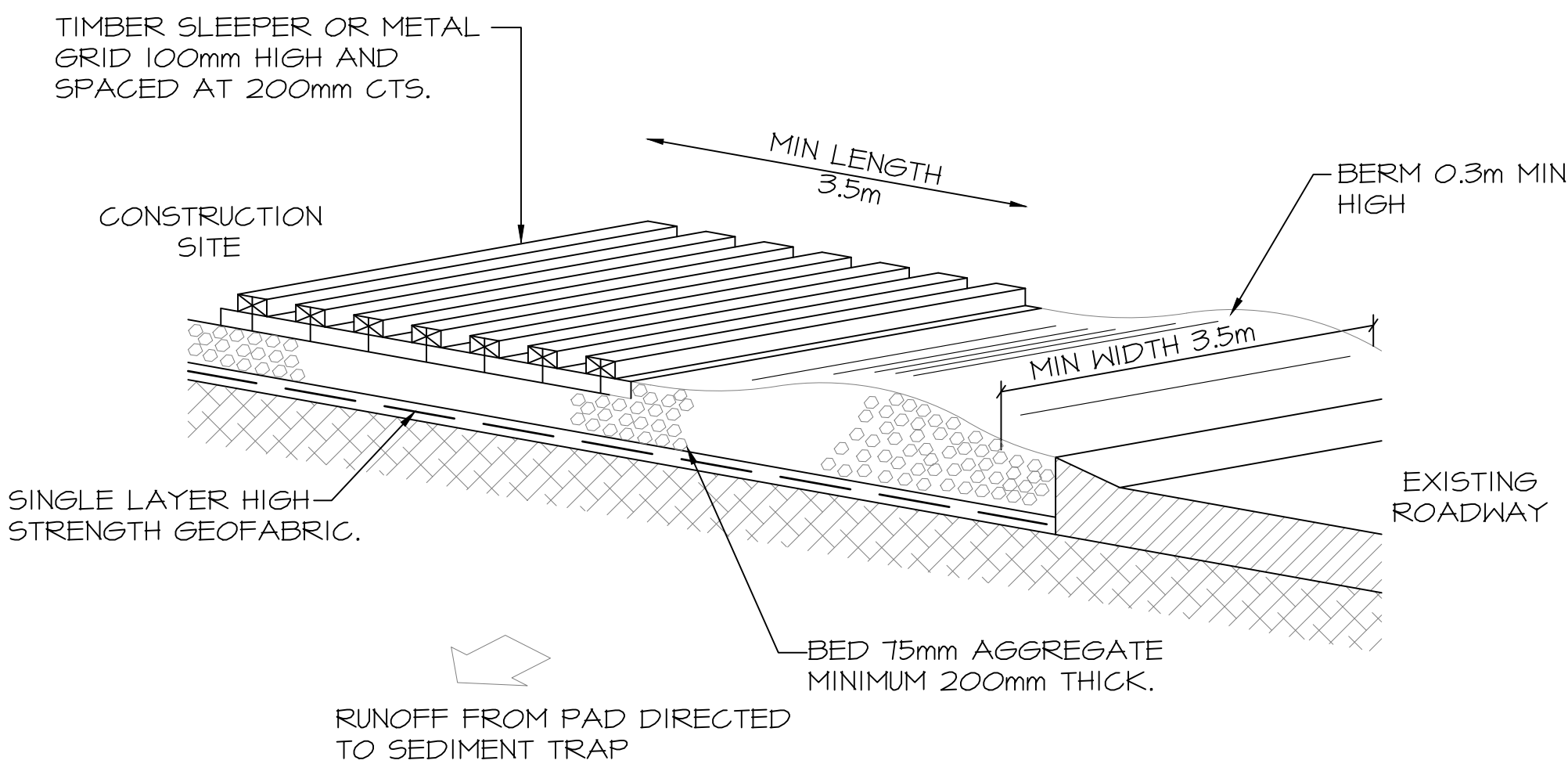
SAFETY IN DESIGN

- THERE ARE INHERENT RISKS WITH CONSTRUCTING, MAINTAINING, OPERATING, DEMOLISHING, DISMANTLING AND DISPOSING THIS DESIGN THAT ARE TYPICAL OF SIMILAR DESIGNS. AS FAR AS IS REASONABLY PRACTICABLE RISKS HAVE BEEN ELIMINATED OR MINIMISED THROUGH THE DESIGN PROCESS. HAZARD CONTROLS MUST STILL BE IMPLEMENTED BY THE CONTRACTOR, OWNER OR OPERATOR TO ENSURE THE SAFETY OF WORKERS.
- JONES NICHOLSON'S ASSESSMENT DID NOT IDENTIFY ANY UNIQUE RISKS ASSOCIATED WITH THE DESIGN.

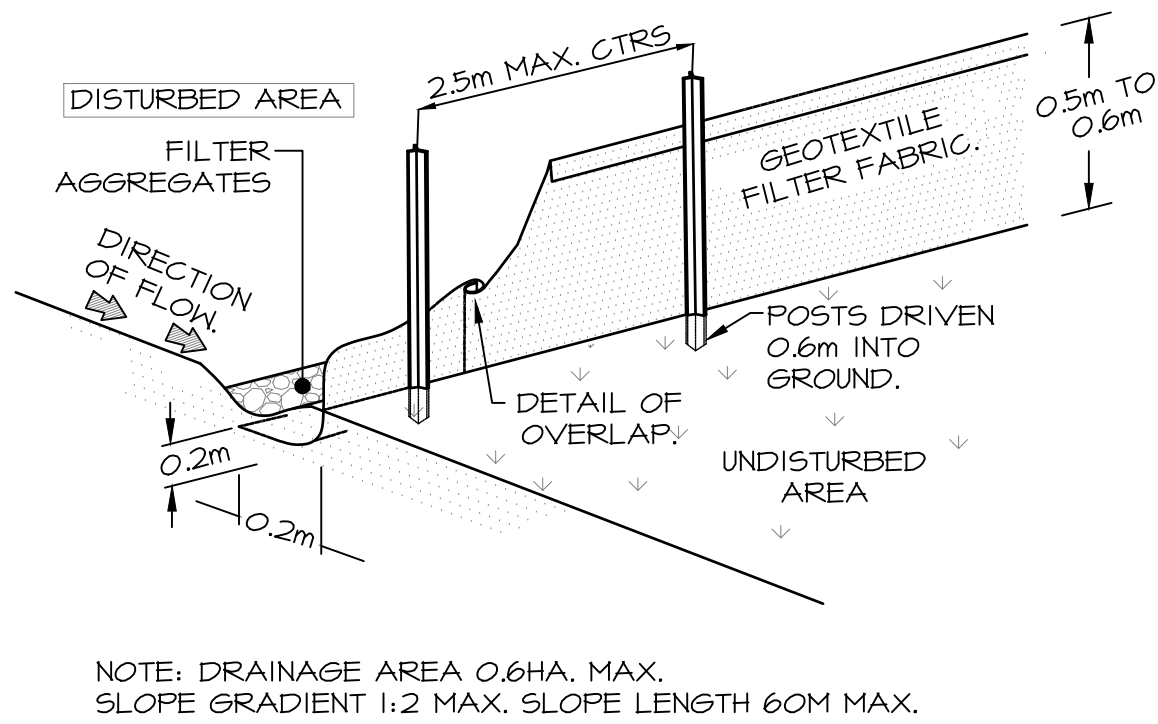


SAUSAGE BARRIER

- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH ON THE INLET PIT.
- FILL THE SLEEVE WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS SECTION ABOUT 150mm HIGH x 400mm WIDE.
- MAINTAIN A CLEAR DISTANCE AWAY FROM THE PIT WITH SPACER BLOCKS.

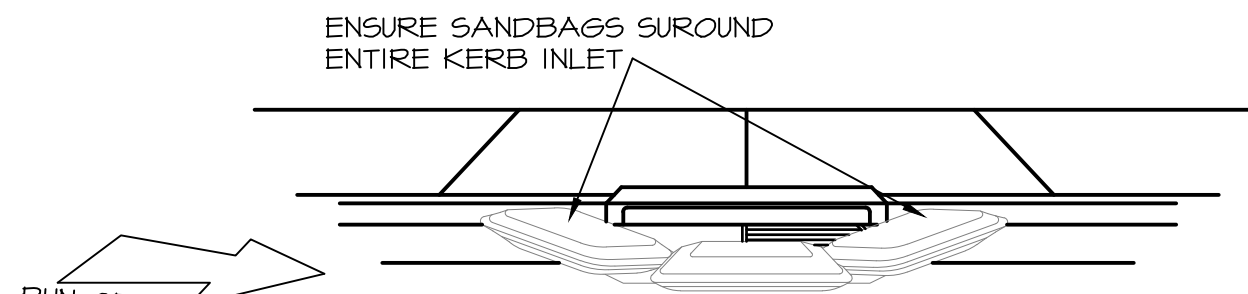


TEMPORARY CONSTRUCTION EXIT



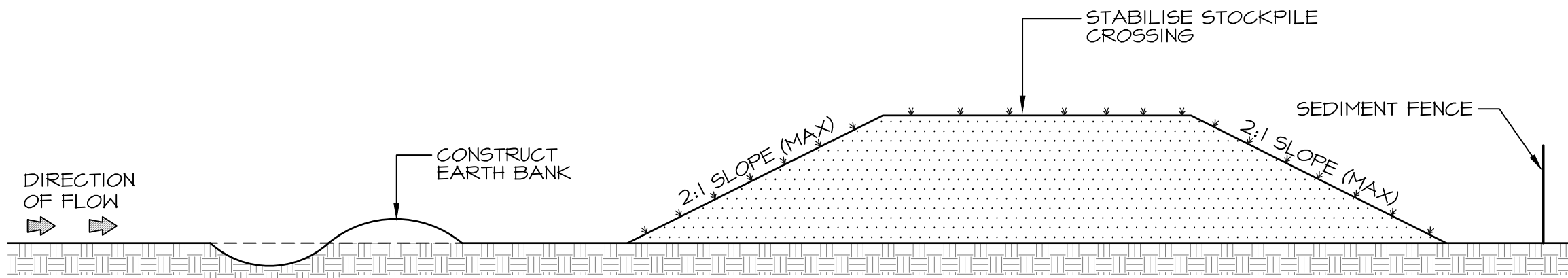
SEDIMENT FENCE

- CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
- DRIVE 1.5m LONG STAR PICKETS IN GROUND 3m APART.
- DIG A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE FABRIC TO BE ENTRENCHED.
- BACKFILL TRENCH OVER BASE OF FABRIC.
- FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
- JOIN SECTIONS OF FABRIC AT A SUPPORT WITH A 150mm OVERLAP.



SANDBAG SEDIMENT INLET TRAP

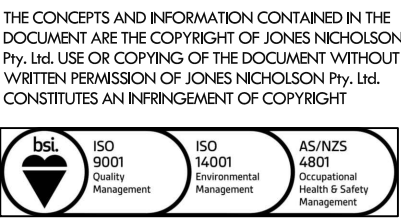
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT.
- FILL THE SLEEVE WITH 25mm TO 50MM GRAVEL.
- FORM AN ELLIPTICAL CROSS SECTION ABOUT 150mm HIGH X 400mm WIDE.
- PLACE THE FILTER AT THE OPENING OF THE KERB INLET LEAVING A 100mm GAP AT THE TOP TO ACT AS AN EMERGENCY SPILL WAY.
- MAINTAIN A CLEAR DISTANCE AWAY FROM THE PIT WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERBING AND PREVENT SEDIMENT BYPASSING THE FILTER.
- FIT TO ALL KERB INLETS AS SHOWN.



STOCKPILES

- LOCATE STOCKPILE AT LEAST 5m FROM VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS A LOW FLAT ELONGATED MOUND.
- WHERE THERE IS A SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT. (TO ALLOW AIR VENTILATION FOR FUTURE REUSE)
- REHABILITATE IN ACCORDANCE WITH THE SMP/ESCP.
- CONSTRUCT EARTH BANK ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE 1m TO 2m DOWNSLOPE OF STOCKPILE.

AMDT	DATE	BY	DESCRIPTION
2	23.08.17	KG	REISSUED FOR DA
1	11.08.17	KG	ISSUED FOR DA



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JONES NICHOLSON
CONSULTING ENGINEERS

WWW.JONESNICHOLSON.COM.AU

ABN: 51 003 316 032

DESIGN : TH
DRAWN : KG
DATE : JUL 2017
DRG SIZE : A1
SCALE : N/A
PROJECT MGR : BJ

CIVIL DESIGN
EROSION SEDIMENT
CONTROL
NOTES & LEGEND

LIDCOMBE PUBLIC
SCHOOL
MILLS STREET
LIDCOMBE, NSW 2141
JDH ARCHITECTS

161276
ESM12

CIVIL • STRUCTURAL • BUILDING SERVICES

NOT TO BE USED FOR
CONSTRUCTION

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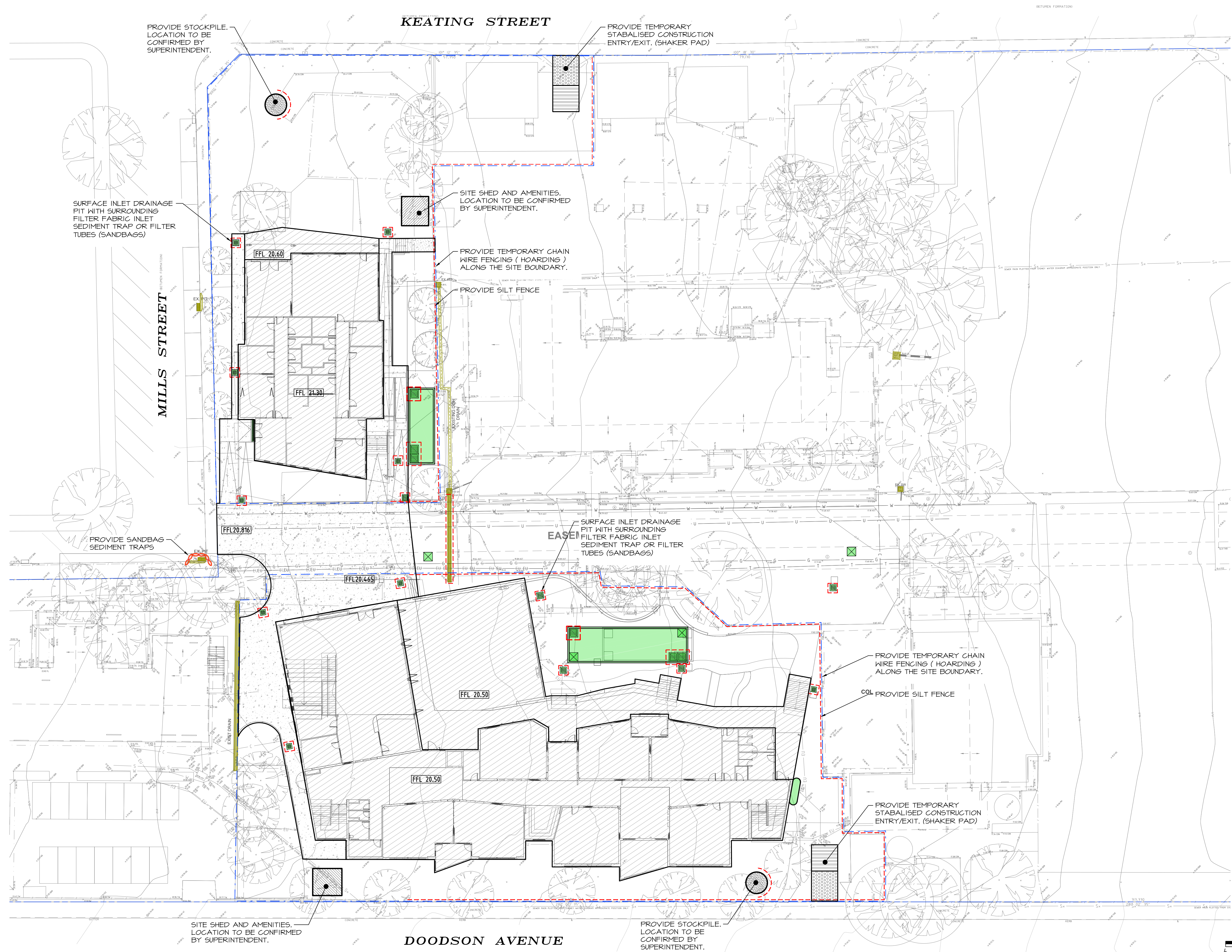
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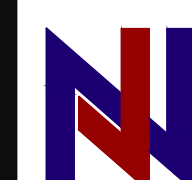


NOT TO BE USED FOR
CONSTRUCTION
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3	07.04.17	KG	ISSUED FOR DA (REVISED ARCHITECTURAL)
2	23.08.17	KG	ISSUED FOR DA (REVISED ARCHITECTURAL)
1	11.08.17	KG	ISSUED FOR DA
AMDT	DATE	BY	DESCRIPTION

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 **JONES NICHOLSON**
CONSULTING ENGINEERS

WWW.JONESNICHOLSON.COM.AU ABN: 51 003 316 032

DESIGN : TH
DRAWN : KG
DATE : JUL 2017
DRG SIZE : A1
SCALE : 1:200
PROJECT MGR : BJ

CIVIL DESIGN
EROSION SEDIMENT
CONTROL PLAN

LIDCOMBE PUBLIC
SCHOOL
MILLS STREET
LIDCOMBE, NSW 2141
JDH ARCHITECTS

161276
ESM23