

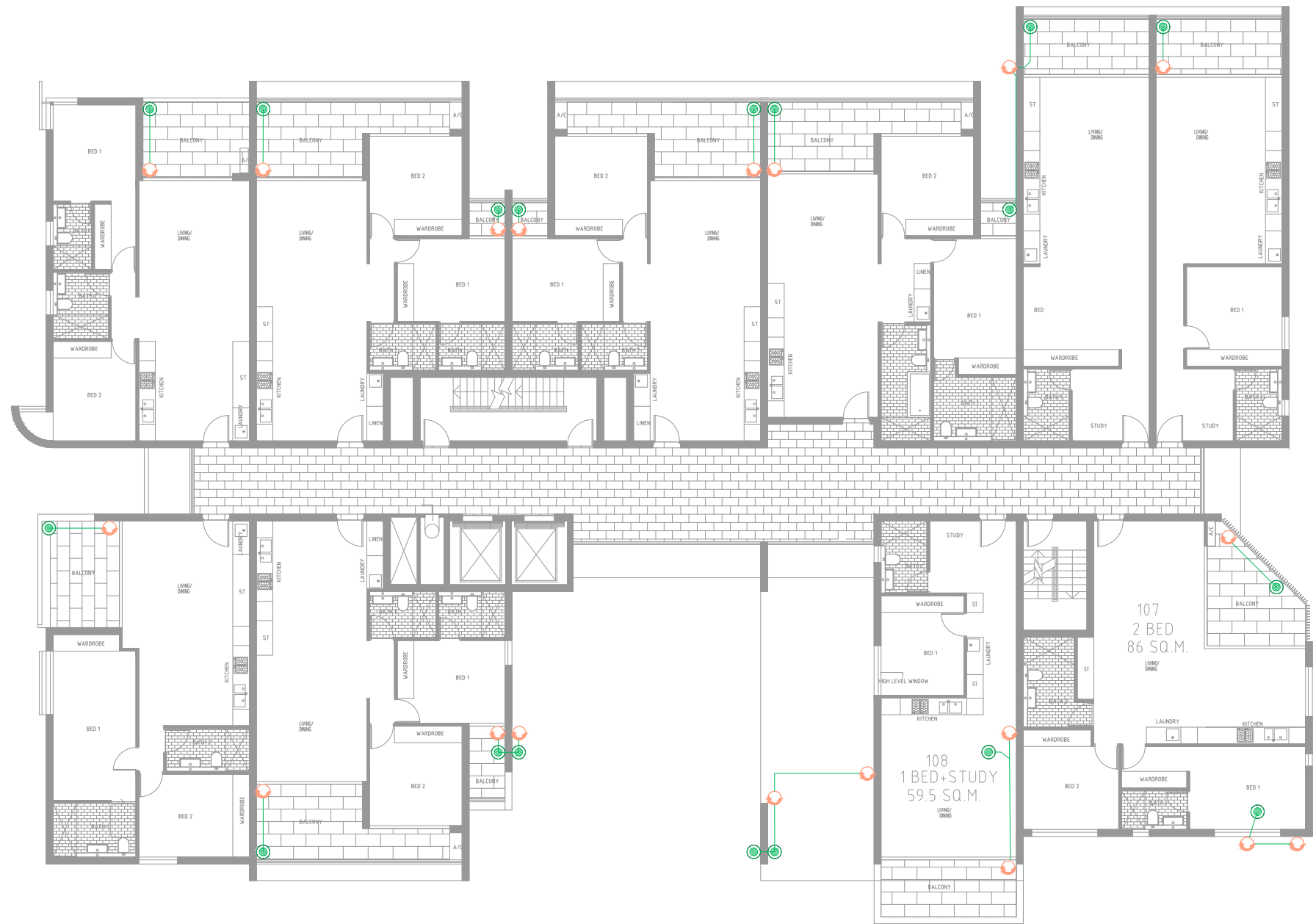


NOTE:

1. ALL PIPES WITH 1% MIN. GRADE. U.N.O.
2. PIPE SIZE IS INDICATE ONLY, FINAL SIZE TO BE CONFIRMED IN CC

LEGEND

-  BALCONY DRAIN
-  DOWN PIPE



No.		AMENDMENT		APPROVED	DATE	DESIGNED BY	DEVELOPMENT TEAM	CLIENT	PROJECT	DRAWING TITLE		
								SALEX PTY LTD	 CANBERRA SYDNEY WOLLONGONG www.indesco.com.au	77-85 STATION ROAD AUBURN		
										ENGINEERING CONCEPTUAL PLAN LEVEL 1 STORMWATER DRAINAGE		
C		ISSUED FOR DA APPROVAL		KN	4/12/2018	EJ				PROJECT No. 6607-DA		
B		ISSUED FOR DA APPROVAL		TN	13/12/2017	EJ					DRAWING No. 014A	AMDT C
A		ISSUED FOR DA APPROVAL		TN	8/12/2017	EJ						

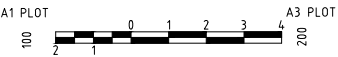


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LEGEND



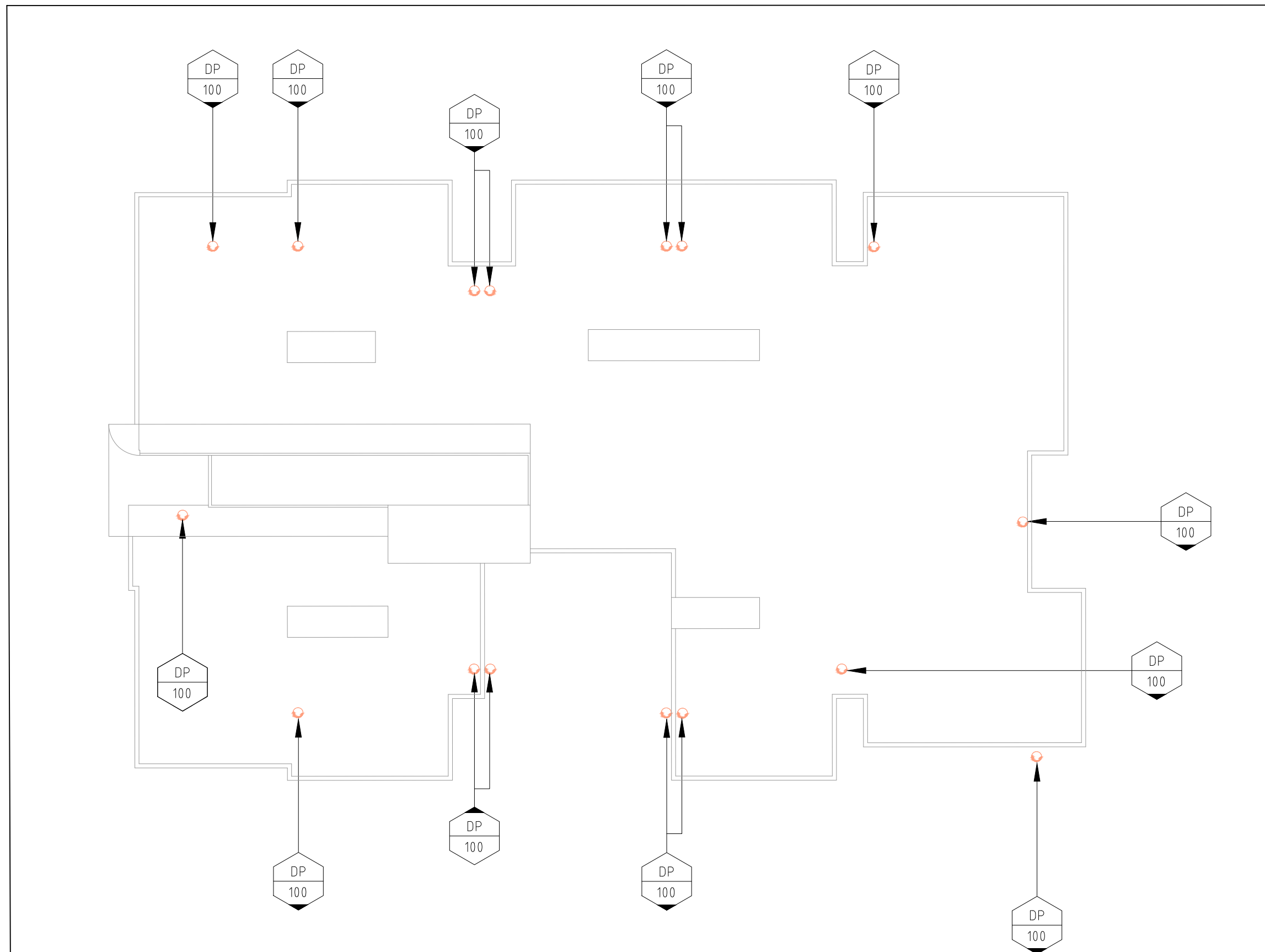
BALCONY DRAIN



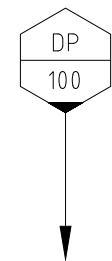
DOWN PIPE



No.	AMENDMENT	APPROVED	DATE	MEMBER BY	DEVELOPMENT TEAM	CLIENT	INDESCO CANBERRA SYDNEY WOLLONGONG www.indesco.com.au CONSULT AUSTRALIA INDUS INDUS INDUS APPROVED VM DATE 22/05/2017 CHECKED KN DATE 26/05/2017 DESIGNED BY TN DRAWN BY EJ CAD FILE G:\6607-77-85 NSW\Acad\Current Station Road Auburn Drawings\Civil\6607-014-L3.dwg SCALE AS SHOWN SHEET No.			PROJECT	DRAWING TITLE		
							77-85 STATION ROAD AUBURN			ENGINEERING CONCEPTUAL PLAN LEVEL 3 STORMWATER DRAINAGE			
										PROJECT No. 6607-DA	DRAWING No. 014C	AMDT A	
A	ISSUED FOR DA APPROVAL	KN	4/12/2018	EJ									



LEGEND

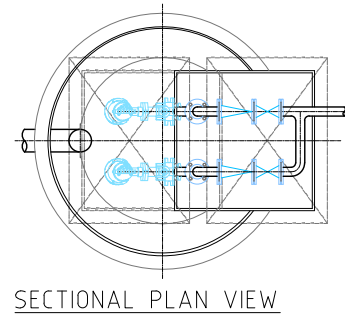
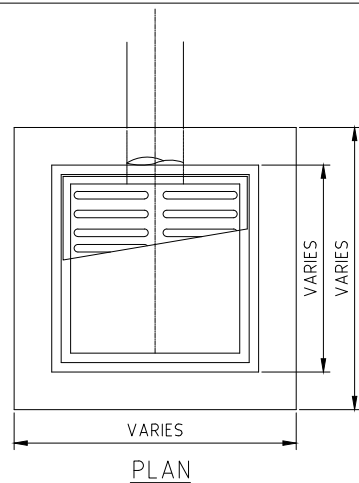


DOWN PIPE TAG



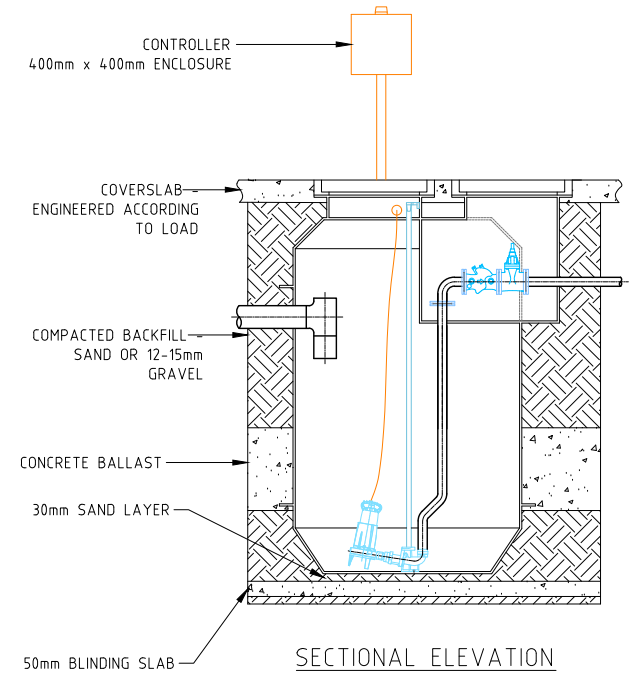
DOWN PIPE

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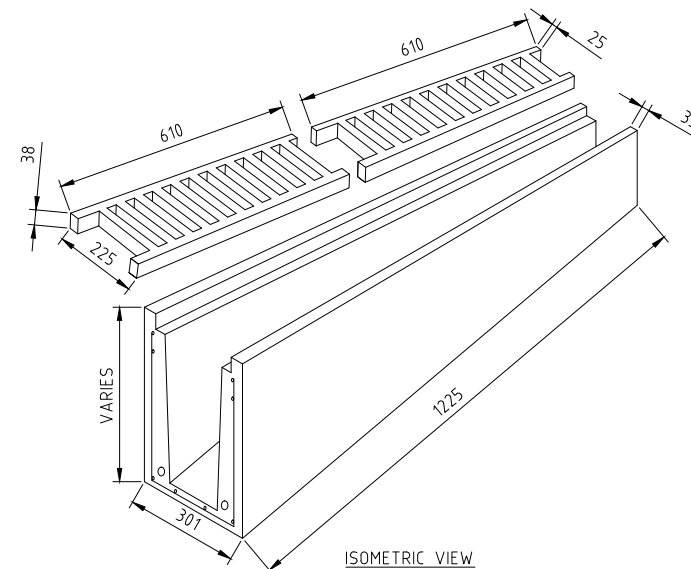
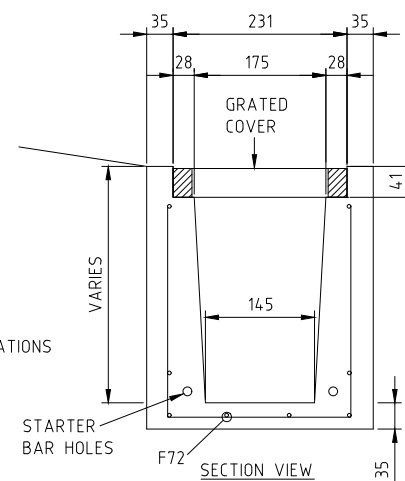
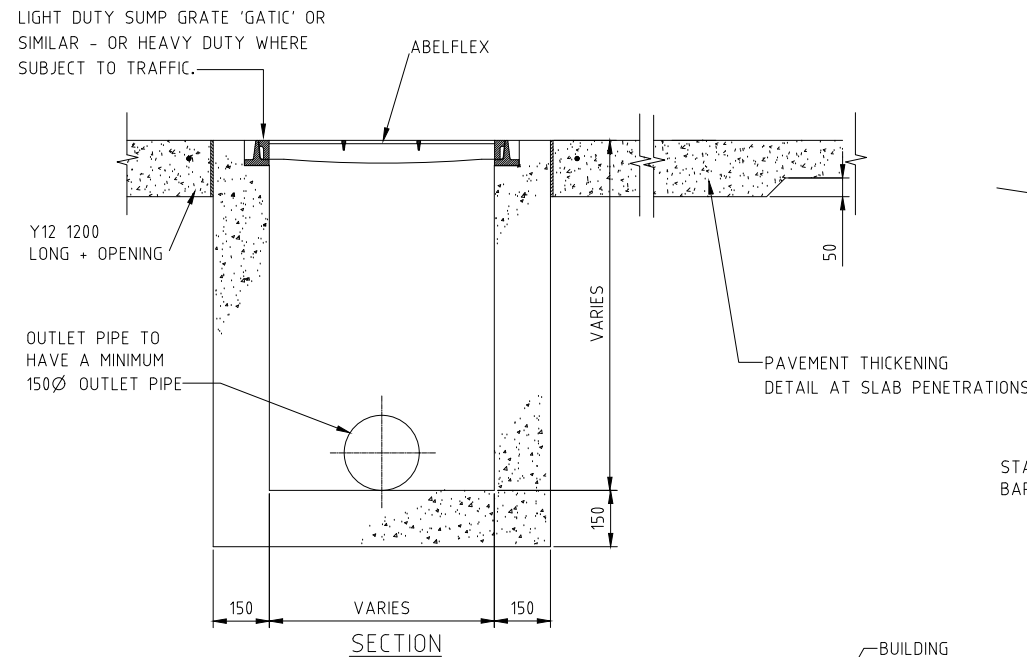
INSTALLATION PROCEDURE

1. EXCAVATION FOR TANK SHOULD BE NO GREATER THAN 300MM OVERSIZE IF POSSIBLE.
2. LEVEL THE BASE WITH COMPACTED ROAD BASE AND POUR 50MM CONCRETE BLINDING SLAB WITH 30MM COVER OF CLEAN WASHED SAND.
3. LOWER WELL INTO EXCAVATION MAKING SURE NO SHARP OBJECTS CAN CAUSE DAMAGE.
4. AFTER LEVELLING WELL, HALF FILL IT WITH WATER.
5. CHECK ALL PLUMBING CONNECTIONS FOR LEAKS.
6. POUR CALCULATED VOLUME OF CONCRETE BALLAST AROUND BASE OF UNIT. AS A MINIMUM THE FIRST REINFORCEMENT RING SHOULD BE COVERED (SEE DRAWING).
7. COMPLETE BACKFILL WITH 12-15MM GRAVEL OR CLEAN WASHED SAND.
8. CONCRETE COVERS LAB CAN THEN BE POURED AROUND THE WELL TO ENGINEERS REQUIREMENTS, DEPENDING ON TRAFFIC LOAD ETC.



SPECIFICATIONS (TO BE CONFIRM)

1. PUMP DISCHARGE RATE 3 L/S
2. INTERNAL DIAMETER 1500M (TO BE CONFIRM)
3. VALVE CHAMBER - 900MM X 900MM (TO BE CONFIRM)
4. VALVES - DN50 FLANGED, RESILIENT SEATED, MOUNTED INSIDE VALVE CHAMBER WITH MANIFOLD.
5. PIPEWORK - 50MM PN12 UPVC
6. PUMPS - DUAL GRUNDFOS OR EQUIVALENT. (TO BE CONFIRM)
7. LEVEL CONTROLS - FLOAT SWITCHES
8. PUMP CONTROLLER - (Q-MAX ADVANCED DUAL ALTERNATING CONTROLLER - TBC)
9. ACCESS COVERS - 600 X 900 CLASS D TRAFFICABLE.

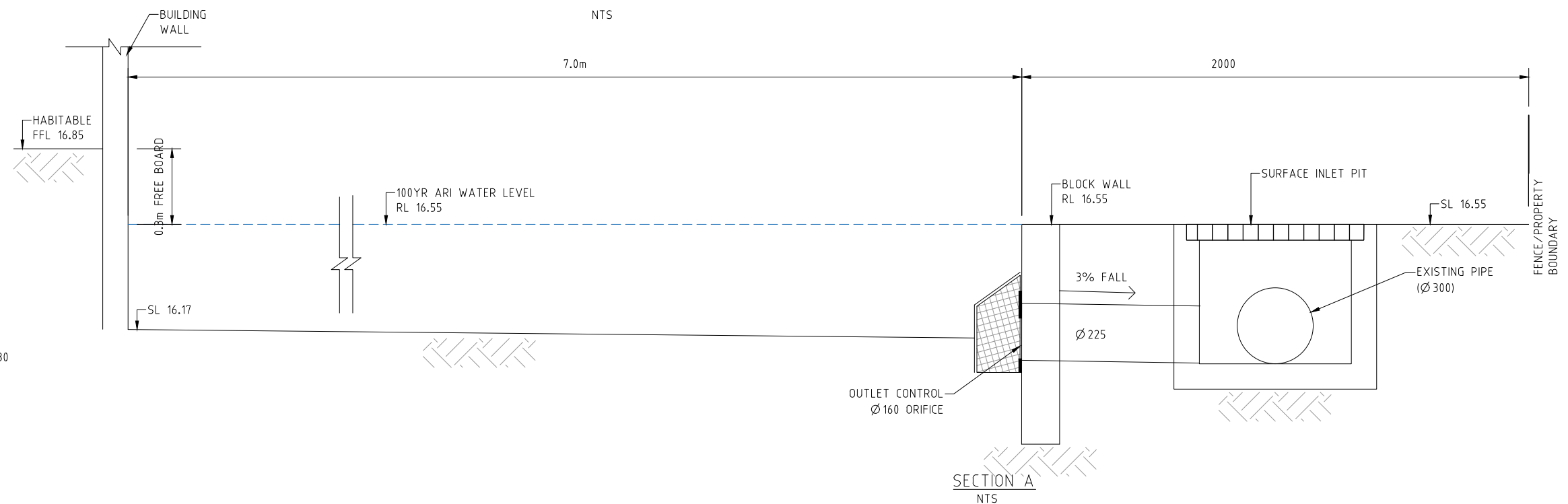
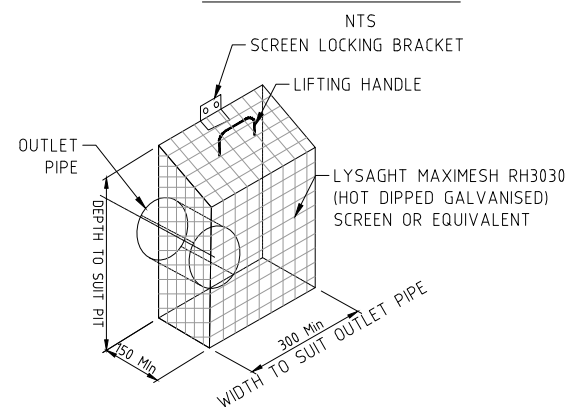


DETAIL B - DRIVEWAY GRATED CHANNEL

MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS

DEPTH TO INVERT OF OUTLET	MINIMUM INTERNAL DIMENSIONS		
	RECTANGULAR WIDTH	RECTANGULAR LENGTH	CIRCULAR DIAMETER
≤ 600	450	450	600
> 600 ≤ 900	600	600	900
> 900 ≤ 1200	600	900	1000
> 1200	900	900	1000

GRATED SUMP DETAIL



No.	AMENDMENT	APPROVED	DATE	DESIGNED BY	DEVELOPMENT TEAM	CLIENT	PROJECT	DRAWING TITLE
						SALEX PTY LTD	77-85 STATION ROAD AUBURN	MISCELLANEOUS DETAILS
C	ISSUED FOR DA APPROVAL	KN	4/12/2018	EJ				
B	ISSUED FOR DA APPROVAL	KN	1/05/2018	TN				
A	ISSUED FOR DA APPROVAL	TN	8/12/2017	EJ				

 CATCHMENT BOUNDARY
 FLOW DIRECTION
 EXISTING CONTOUR

	TOTAL AREA (ha)	IMPERVIOUS (%)	PERVIOUS (%)
PRE-DEVELOPMENT	0.2806	28.4	71.6
POST-DEVELOPMENT	0.2806	51.8	48.2
PERMISSIBLE SITE DISCHARGE (PSD) (150 l/s/ha)	$150 \text{ l/s/ha} \times 0.2806 \text{ ha} = 42 \text{ l/s}$ $= 0.042 \text{ m}^3/\text{s}$		

AEP (%)	PRE_DEV (m ³ /s)	PSD (m/s) 3	SITE DISCHARGE (m/s) 3	100YR ARI WATER LEVEL	OUTLET CONTROL
1	0.181	0.042	0.042	16.55	ORIFICE Ø 160



STATION ROAD

STATION ROAD

DRIVEWAY

PLAN

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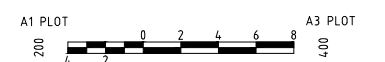
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