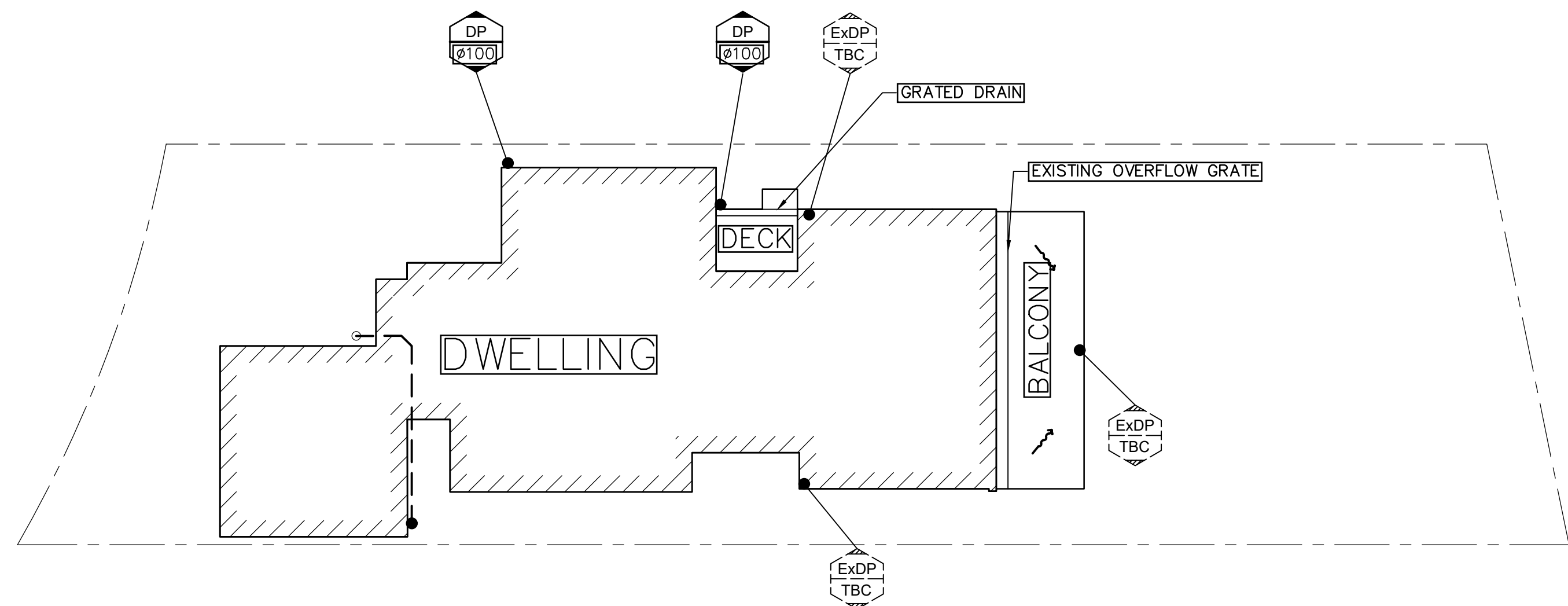
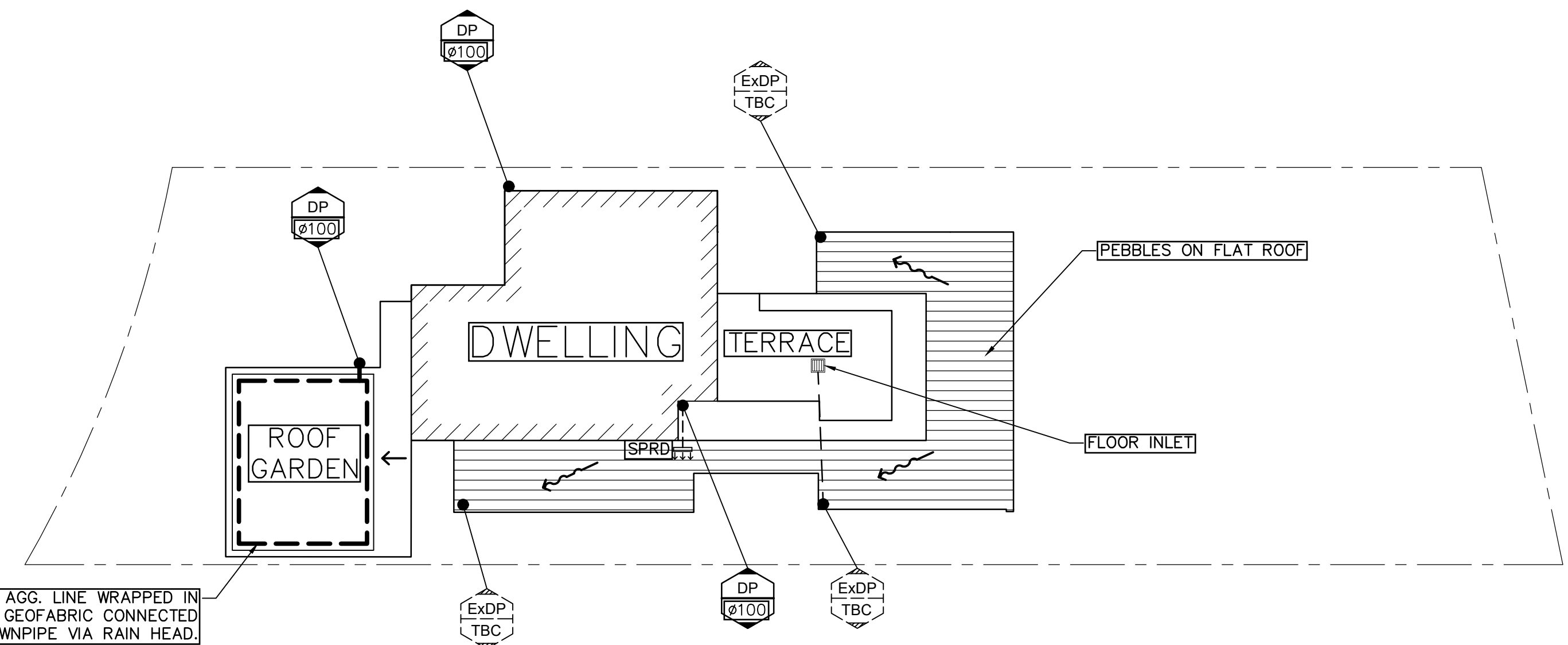
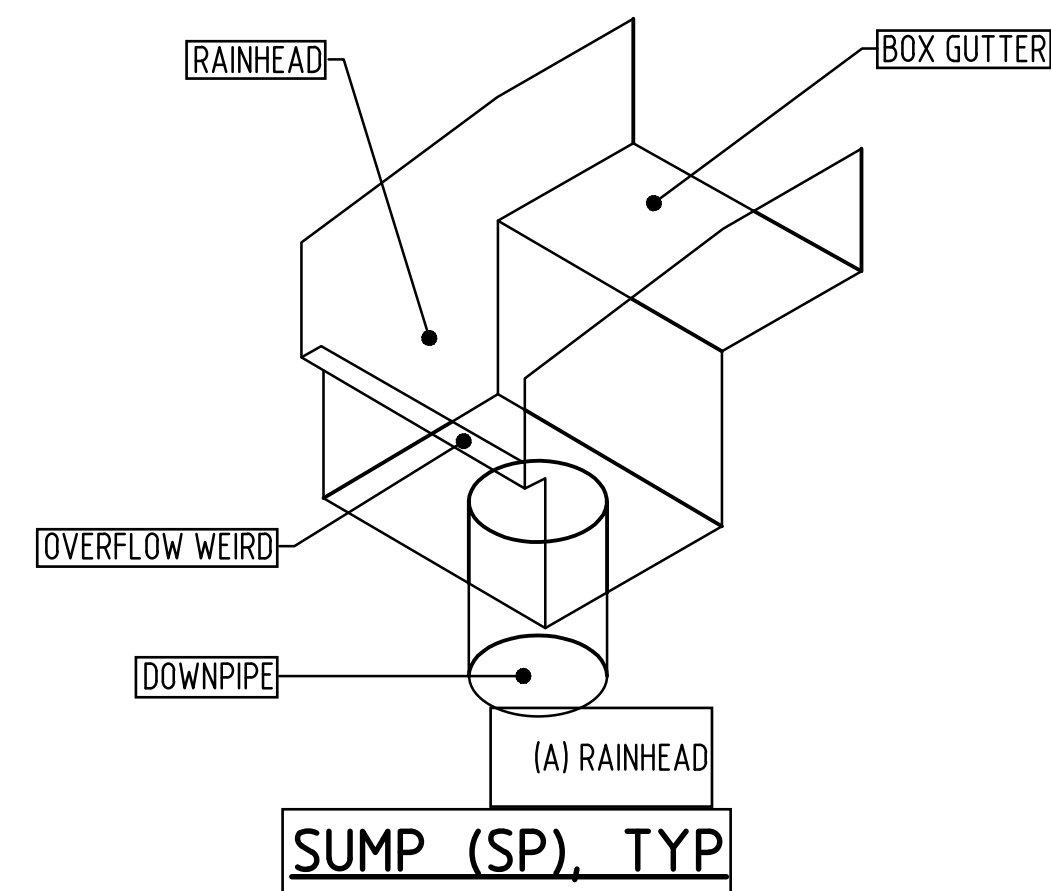


UPPER ROOF PLAN

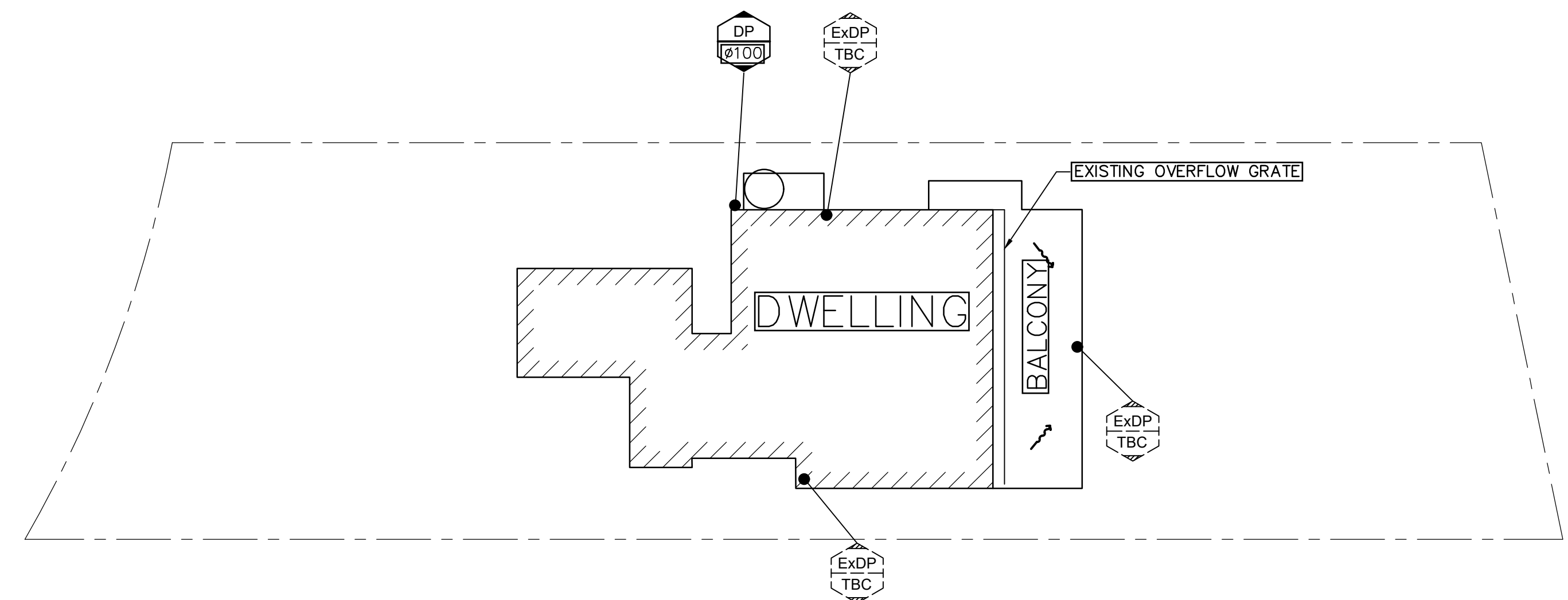


GROUND FLOOR PLAN

EXISTING STORMWATER PIPES SHOWN ON THESE DRAWINGS ARE ASSUMPTION AND FOR CONCEPT PURPOSES ONLY. ADDITIONAL EXISTING STORMWATER PIPES MUST BE LOCATED DURING OPENING UP WORKS PRIOR TO PROCEEDING WITH DETAIL STORMWATER DESIGN. QUALIFIED PLUMBER TO LOCATE, INSPECT AND UPGRADE OR REPLACE ALL EXISTING STORMWATER PIPES/PITS AS REQUIRED. (ALL WORKS TO COMPLY WITH AS3500.3 AND COUNCIL'S SPECIFICATIONS, FINAL LAYOUT TO BE CONFIRMED BY ENGINEER PRIOR TO CONSTRUCTION.



FIRST FLOOR PLAN



LOWER GROUND FLOOR PLAN

TYPICAL BOX GUTTERS SPECIFICATION

THE MINIMUM WIDTH OF BOX GUTTERS USED FOR COMMERCIAL CONSTRUCTION IS 300 MM. BOX GUTTERS 200 MM WIDE MAY BE USED FOR DOMESTIC CONSTRUCTION, BUT THEY ARE MORE PRONE TO BLOCKAGES AND SHOULD BE SUBJECT TO FREQUENT INSPECTIONS AND MAINTENANCE. ADDITIONAL HEIGHT IS RECOMMENDED WHERE POSSIBLE.

BOX GUTTERS SHALL:

- (I) BE STRAIGHT (WITHOUT CHANGE IN DIRECTION);
- (II) IN A CROSS-SECTION HAVE A HORIZONTAL CONSTANT WIDTH BASE (SOLE) WITH VERTICAL SIDES;
- (III) HAVE A CONSTANT LONGITUDINAL SLOPE BETWEEN 1:200 AND 1:40;
- (IV) DISCHARGE AT THE DOWNSTREAM END WITHOUT CHANGE OF DIRECTION (I.E., NOT TO THE SIDE); AND
- (V) BE SEALED TO THE RAINHEADS AND SUMPS.

3.7.6 DOWNPIPES
DOWNPIPES SHALL BE FITTED VERTICALLY TO THE BASE OF A RAINHEAD OR SUMP

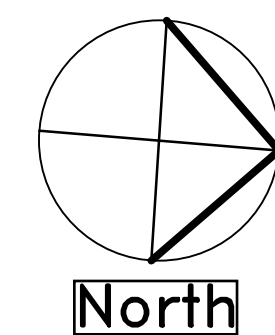
LEGEND

SURFACE RUN OFF	→
EXISTING FLOOR INLET	⊞
DOWN PIPE	⊞
SPREADER	⊞

LEAF GUARDS
TO BE INSTALLED TO ALL GUTTERS

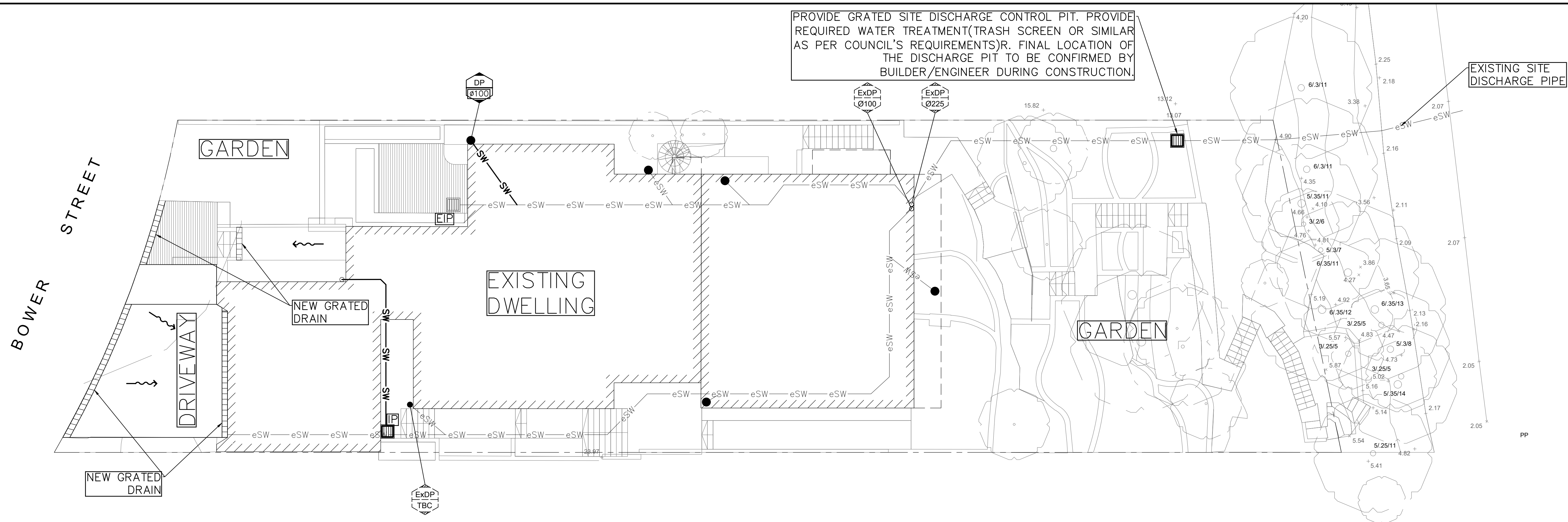
NOT FOR CONSTRUCTION

Revision	Amendment or reason for issue	Issue date	Drawing Completed by	Designed & dwg. checked by
C	CONCEPT STORMWATER PLAN (FOR DA)	21/7/23	RH	RH
B	CONCEPT STORMWATER PLAN (FOR DA)	6/7/23	RH	RH
A	CONCEPT STORMWATER PLAN (FOR DA)	29/6/23	RH	RH



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Project	ALTERATIONS AND ADDITIONS 38 BOWER STR MANLY	Drawing Title	STORMWATER PLANS AND DETAILS.
Client	TRACEY & JAMES SMAIL	Scales	1:100
Architect	A&Co.	Drawing No.	23S255-H02
		Client Project No.	
		Sheet	2 of 4
		Revision	C



SITE PLAN/ANALYSIS

ADDITIONAL POST DEVELOPMENT IMPERVIOUS AREAS = 0 SQM
SITE TOTAL = 825.3sqm

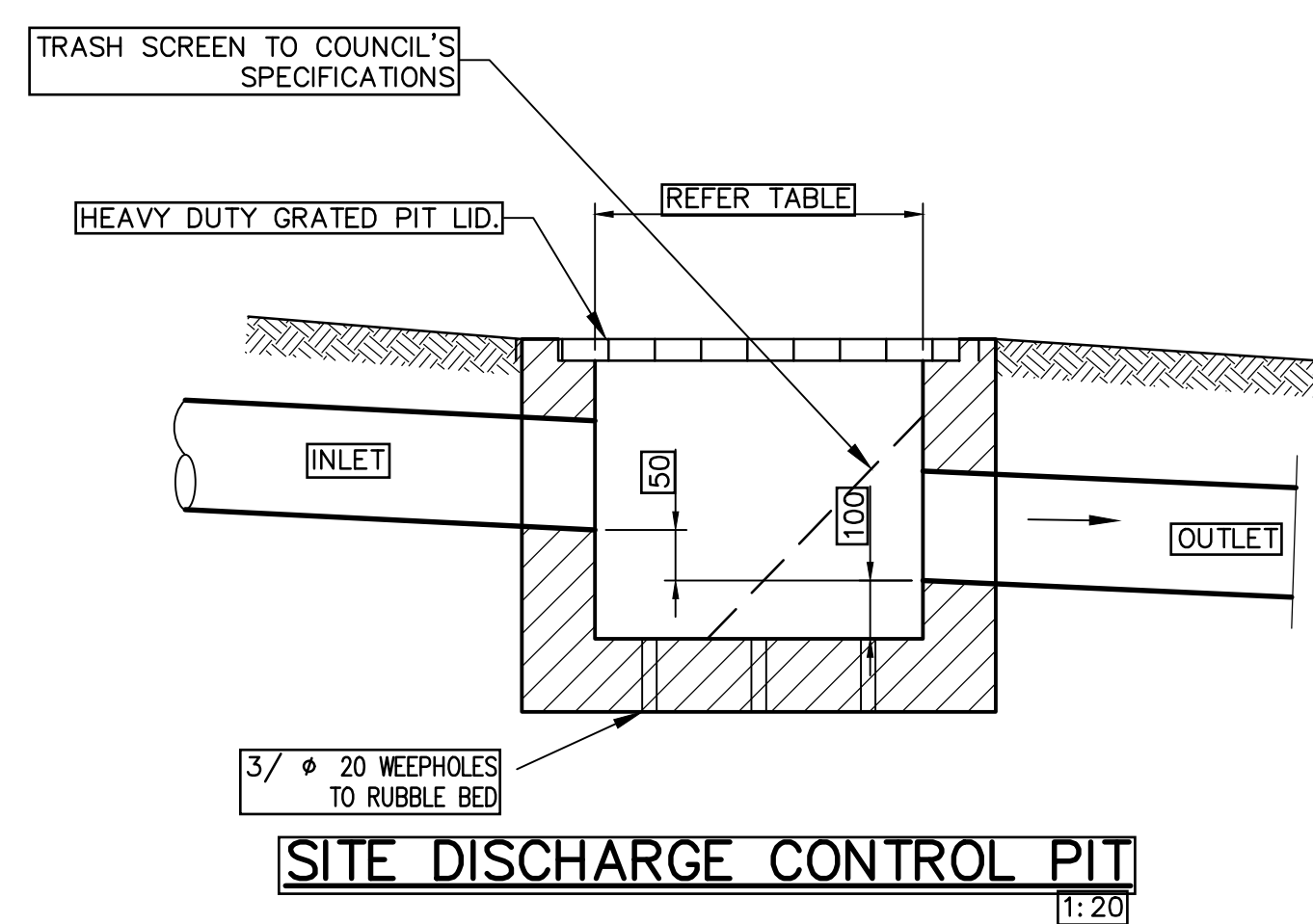
LEGEND

SURFACE RUN OFF
DOWN PIPE
INSPECTION/INLET PIT
EXISTING INLET PIT
EXISTING STORMWATER PIPE (TBC ON SITE)
NEW STORMWATER PIPE (TBC ON SITE)

DP
IP
EIP
eSW
SW

MINIMAL INTERNAL DIMENSIONS FOR NEW STORMWATER PITS (mm)		
DEPTH TO INVERT OF OUTLET	WIDTH	LENGTH
<600	450	450
>600 <900	600	600
>900 <1200	600	900
>1200	900	900

EXISTING STORMWATER PIPES SHOWN ON THESE DRAWINGS ARE ASSUMPTION AND FOR CONCEPT PURPOSES ONLY. ADDITIONAL EXISTING STORMWATER PIPES MUST BE LOCATED DURING OPENING UP WORKS PRIOR TO PROCEEDING WITH DETAIL STORMWATER DESIGN. QUALIFIED PLUMBER TO LOCATE, INSPECT AND UPGRADE OR REPLACE ALL EXISTING STORMWATER PIPES/PITS AS REQUIRED. (ALL WORKS TO COMPLY WITH AS3500.3 AND COUNCIL'S SPECIFICATIONS, FINAL LAYOUT TO BE CONFIRMED BY ENGINEER PRIOR TO CONSTRUCTION.)

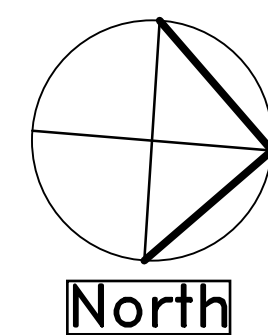


PIPE SCHEDULE			
TAG	PIPE DIAMETER	MIN. GRADE	DESTINATION
A	Ø100	2%	OSD
B	Ø100(*)	CHARGED	RWT
C	Ø150	2%	OSD
D	Ø150	1.5%	DISCHARGE PIT

(*) - uPVC SEWER GRADE SEALED PIPE.

NOT FOR CONSTRUCTION

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C	CONCEPT STORMWATER PLAN (FOR DA)	21/7/23	RH	RH
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Sheet	3 of 4
Revision	C