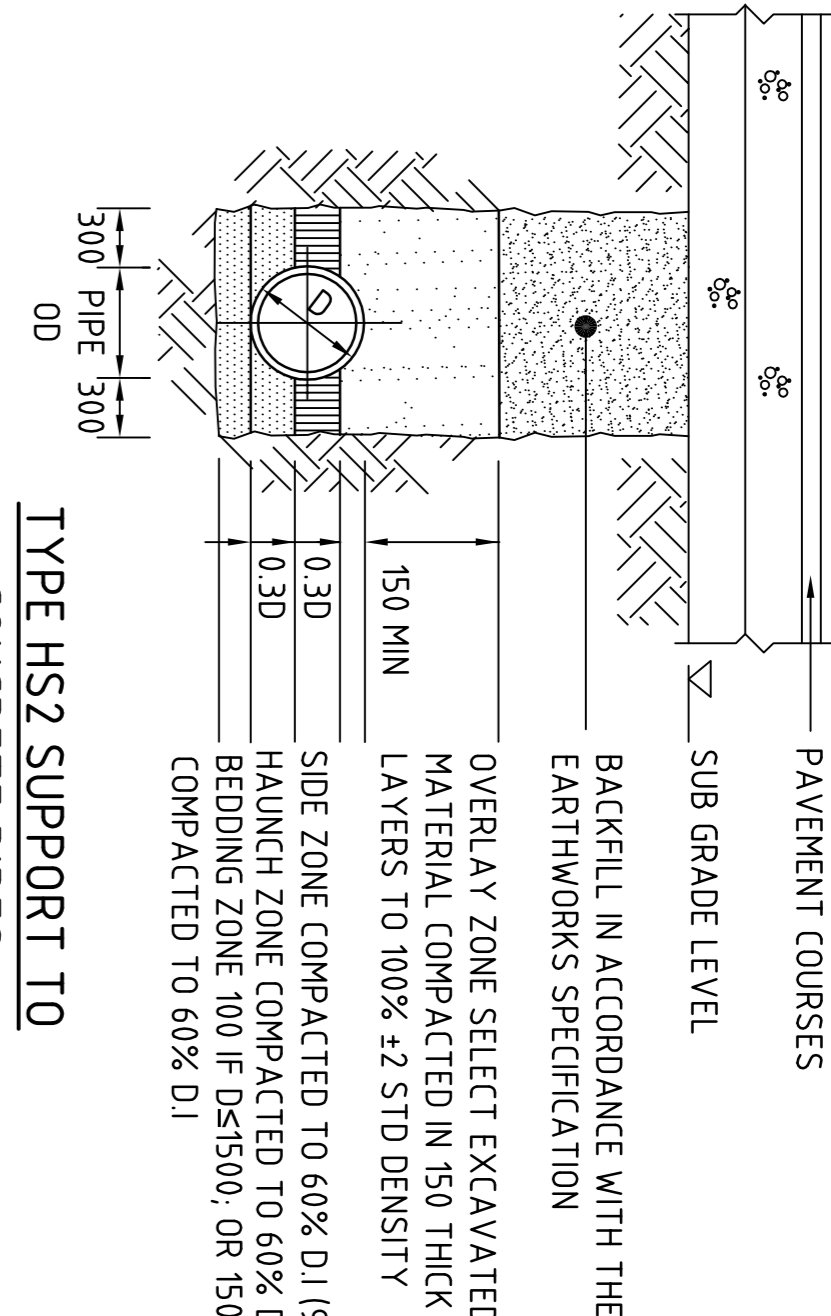


SUPPORT TO AG DRAIN

SUPPORT TO UPVC PIPES

TYPE H1 SUPPORT TO CONCRETE PIPES AT LANDSCAPED AREAS



TYPE H2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
19	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

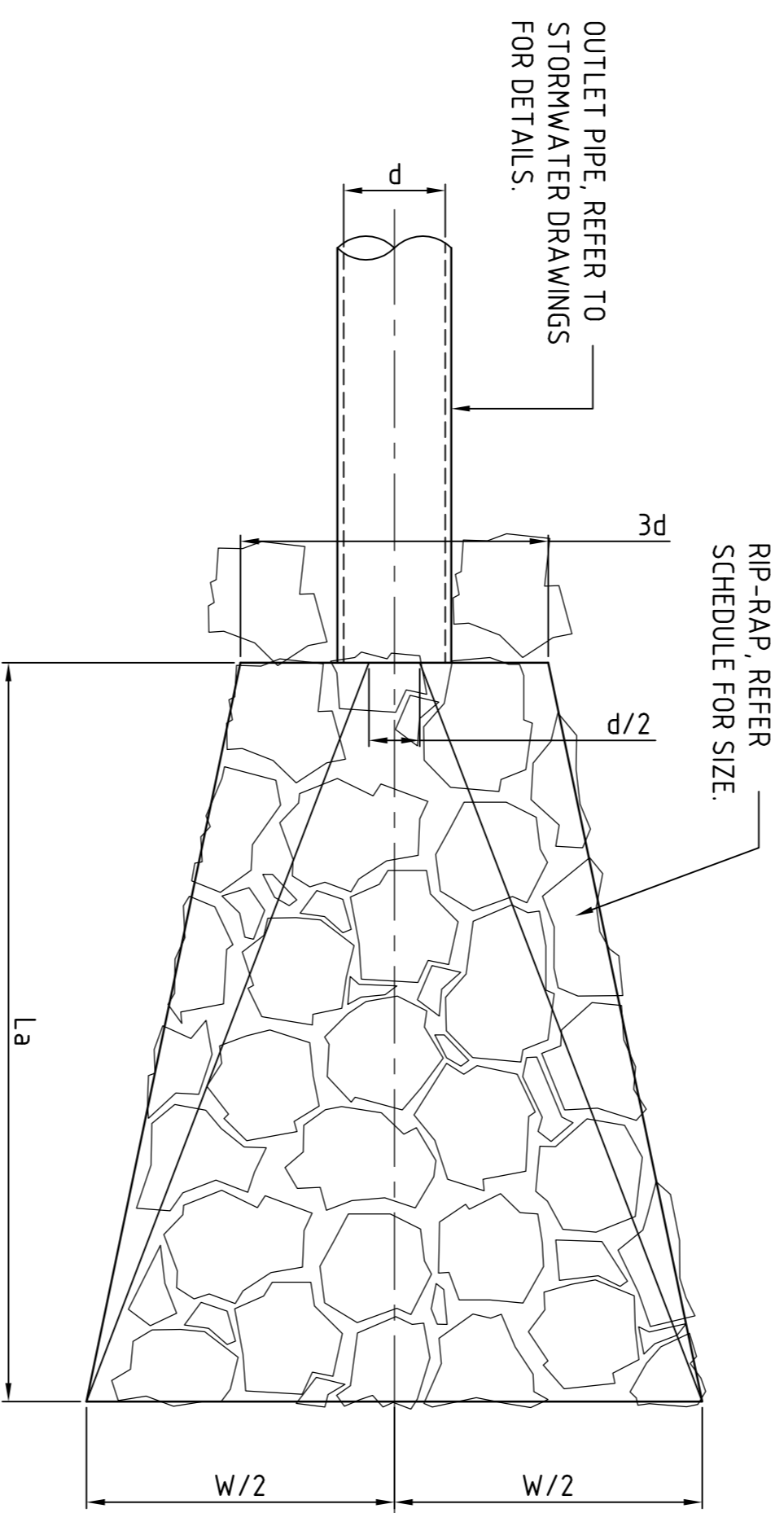
SIDE ZONE MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
75	100
9.5	100 TO 50
2.36	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

SELECT FILL MATERIAL IN ACCORDANCE WITH TABLE 1 AS 3725

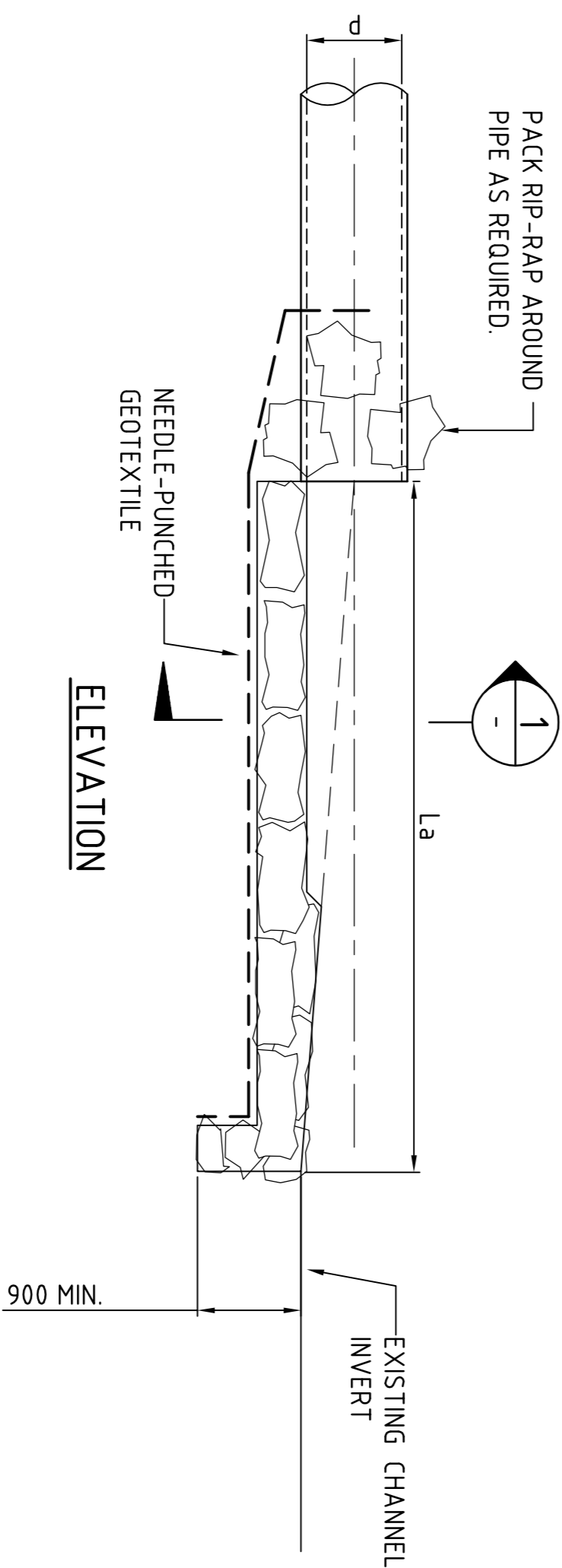
D_s 1350, MAX FILL = 4.0m
D_s 1350, MAX FILL = 3.0m

PIPE LAYING DETAILS

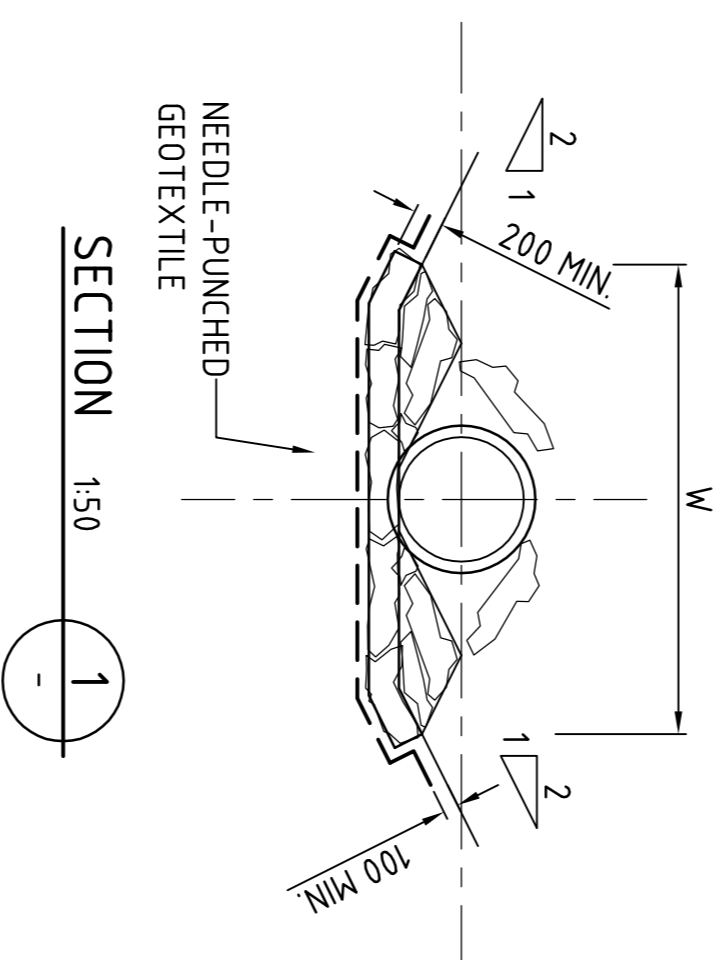
SCALE 1:20



PLAN VIEW



ELEVATION



SECTION 1:50

DISSIPATER NOTES:

- 1) ALIGN STRUCTURE EVENLY WITH BANK.
- 2) LOCATE STRUCTURE AT INVERT LEVEL OF STREAM AND POINT IN A DOWNSTREAM DIRECTION.
- 3) PIPE TO REST ON, AND BE PACKED IN, BY RIP-RAP (SIZE AS NOTED). DISCHARGE INTO STREAM WHERE BEDROCK IS PRESENT, OTHERWISE SCOUR PROTECT AS REQUIRED.
- 4) SCOUR PROTECT THE OPPOSITE BANK AS REQUIRED.
- 5) RIP-RAP TO CONSIST OF ANGULAR RUN-OF-QUARRY ROCK AS NOTED PLACED OVER A 200mm LAYER OF 140mm COBBLES OVER NEEDLE-PUNCHED GEOTEXTILE.
- 6) GAPS IN RIP-RAP TO BE PLANTED WITH NATIVE SEDGES & RUSHES.

DISSIPATER SCHEDULE

DISCHARGE POINT	d	La	W	RIP-RAP
OUTLET 1	1050	8000	4200	250

STORMWATER OUTLET DISSIPATER

SCALE 1:50

FOR DEVELOPMENT APPLICATION

ISSUED FOR DEVELOPMENT APPLICATION	30.07.13	C
ISSUED FOR CLIENT REVIEW	22.07.13	B
ISSUED FOR CLIENT REVIEW	17.07.13	A
AMENDMENTS	DATE	ISSUE

CLIENT

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PROJECT	FOOD PROCESSING & PACKAGING FACILITY
DESIGNED (DRAWN)	DATE
NW	06/2013
CHECKED	DATE
AT	06/2013
SIZE	SCALE
AS SHOWN	CONV/03-DA46

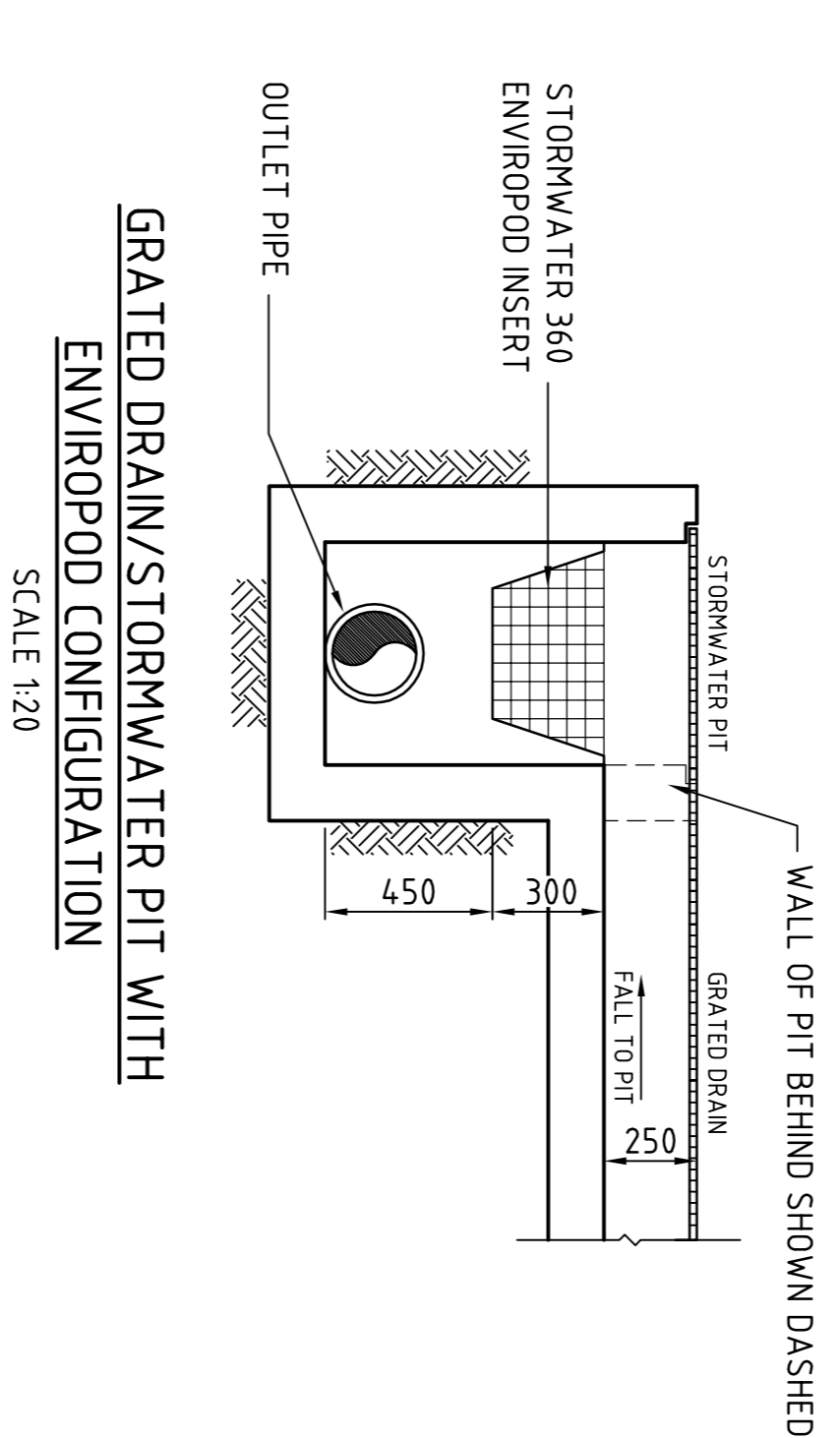
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Consulting Engineers

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email: mail@costinroe.com.au

CostinRoe Consulting

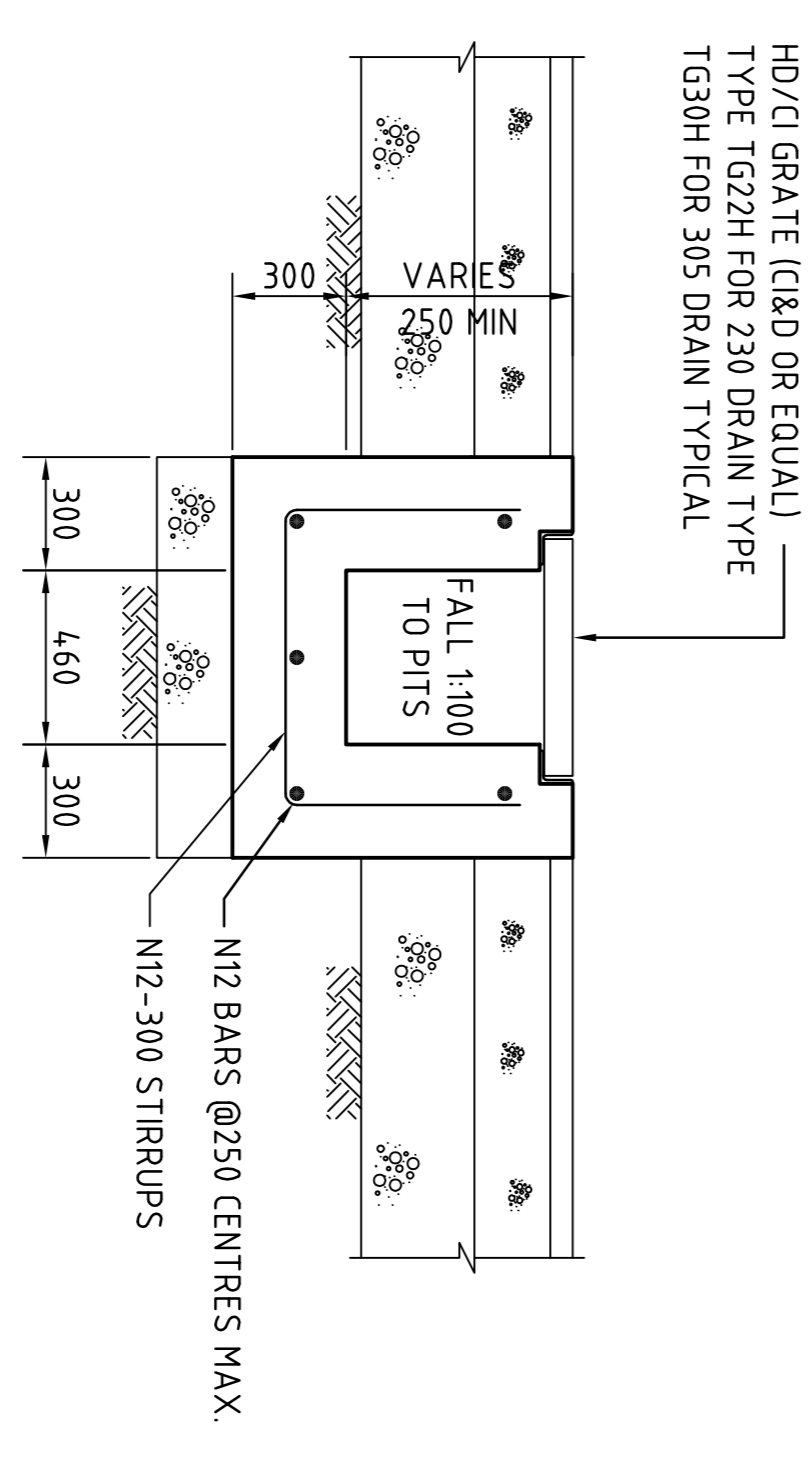
Value in Engineering and Management

DRAWING TITLE	STORMWATER DRAINAGE DETAILS SHEET 2
DRAWING No	CO1004.7.03-DA46
ISSUE	C



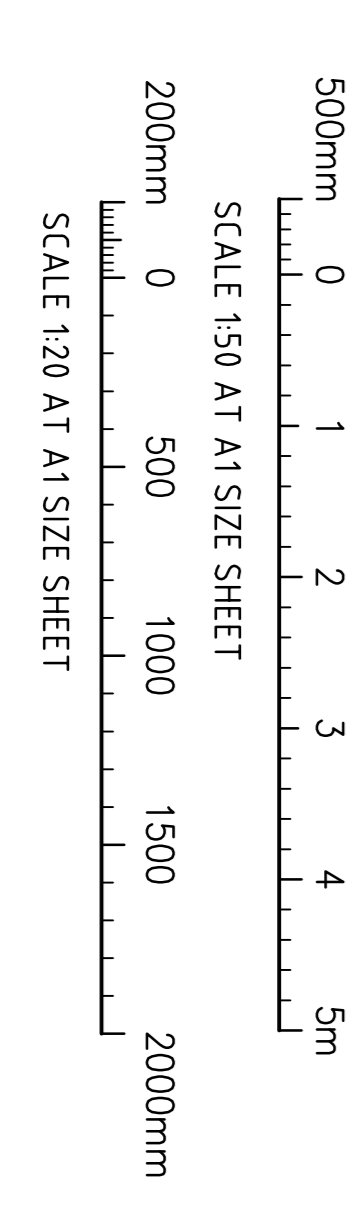
TYPICAL GRATED DRAIN DETAIL

SCALE 1:20



GRADED DRAIN/STORMWATER PIT WITH ENVIROPD CONFIGURATION

SCALE 1:30



SCALE 1:50 AT A1 SIZE SHEET

SCALE 1:20 AT A1 SIZE SHEET