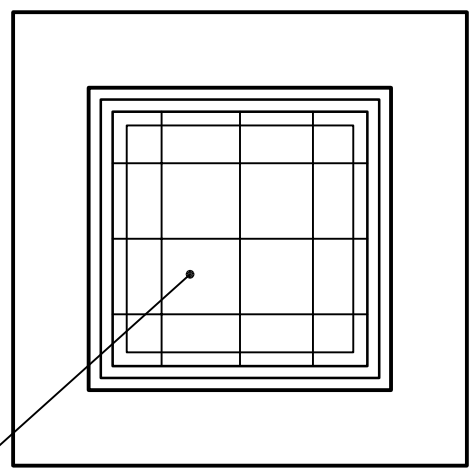
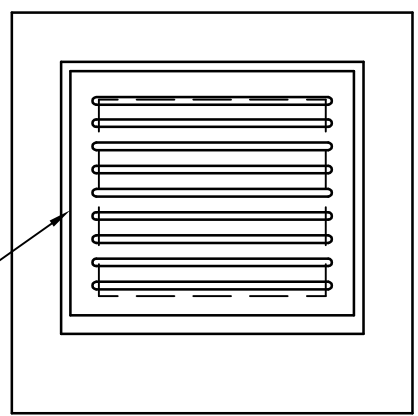




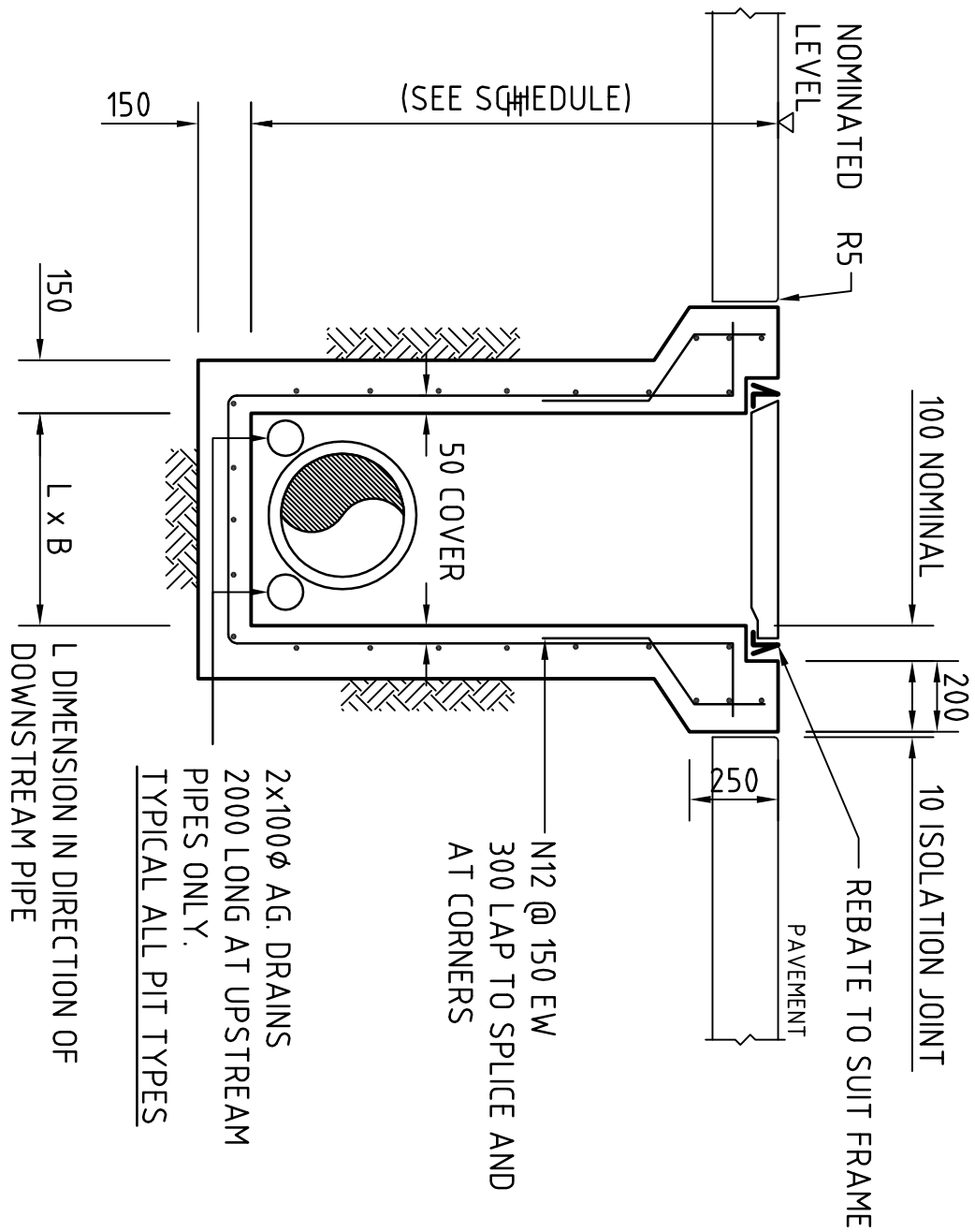
PLAN
SCALE 1:20

CONCRETE FILLED CAST IRON COVER
& FRAME (GATIC OR EQUAL) SEE
SCHEDULE



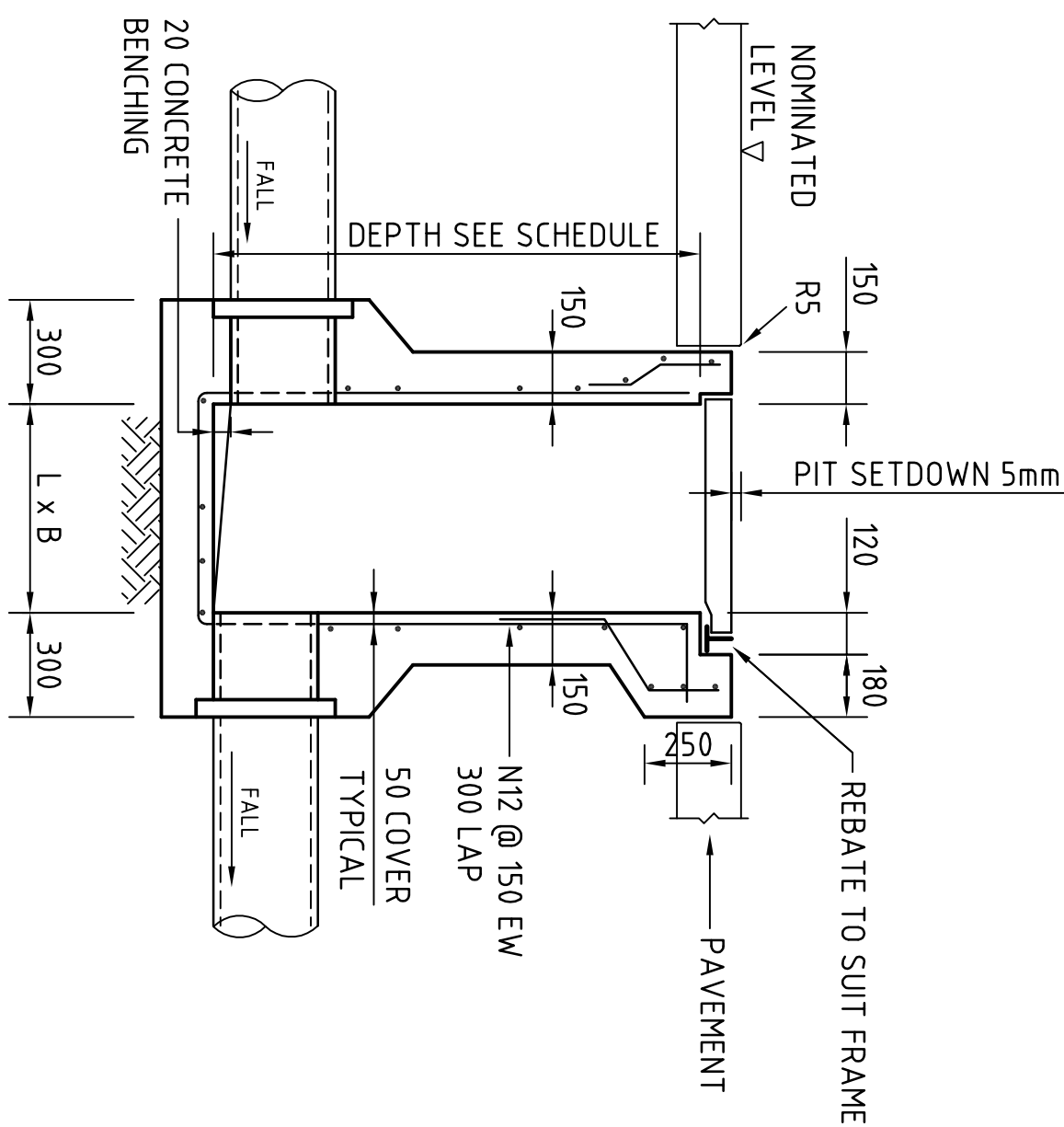
PLAN
SCALE 1:20

H/D CAST IRON GRATE & TEE
BAR FRAME (GATIC OR EQUAL
SEE SCHEDULE



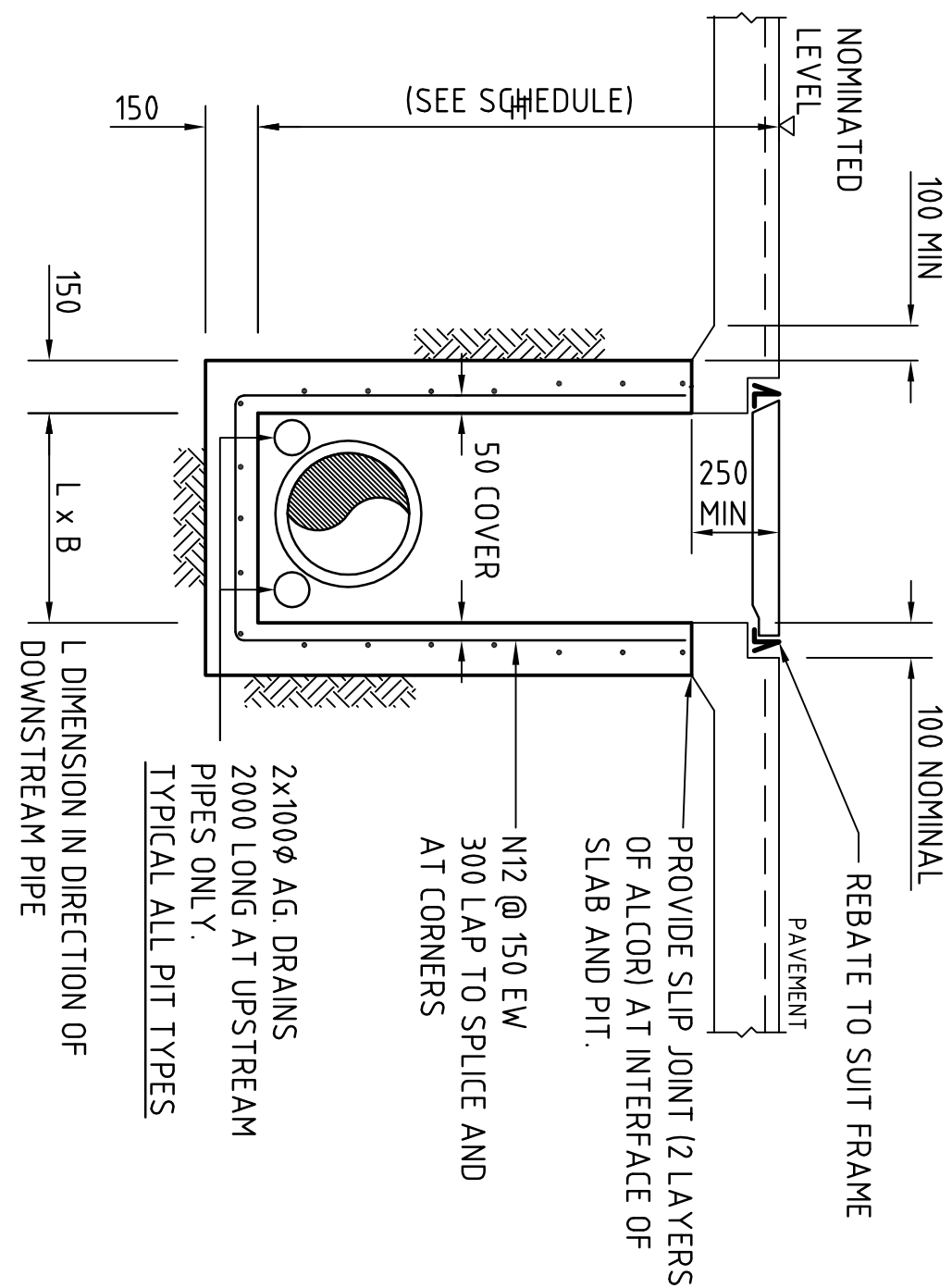
SECTION
SCALE 1:20

SEALED PIT – SJP



SECTION
SCALE 1:20

SINGLE GRATED GULLY PIT – SGGP



SECTION
SCALE 1:20

ALTERNATIVE PIT DETAIL – GRATE/COVER SUPPORT

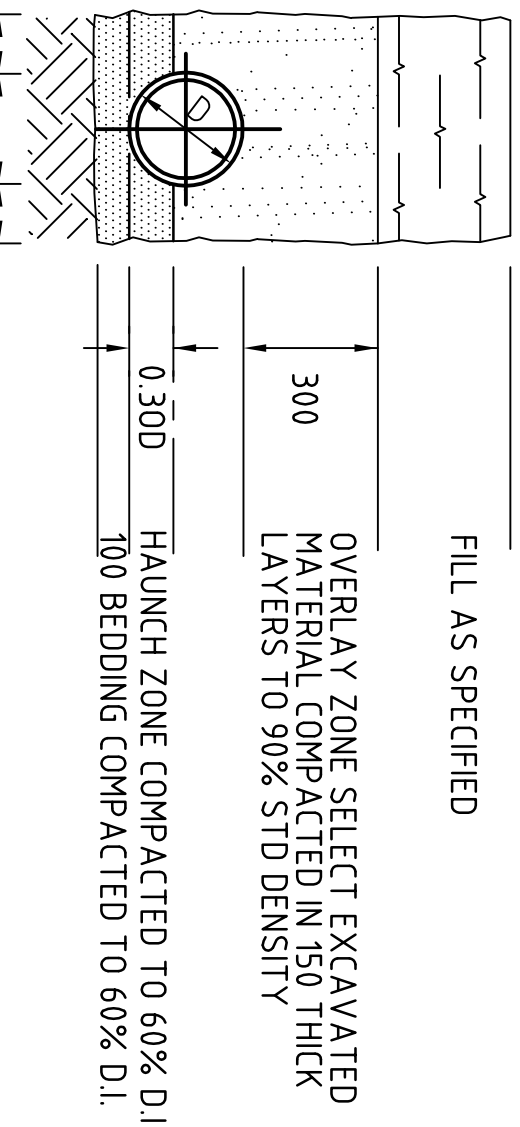
CAST-INTO PAVEMENT SLAB

(ADOPT AS REQUIRED FOR SGGP's & SJP's)

CONCRETE QUALITY				
ELEMENT	SLUMP	AGGREGATE (GRS)	GREEN AD MIXTURE (KG/M3)	F _{CD} (MPa)
PIT	80	20	GP	N/L
				25

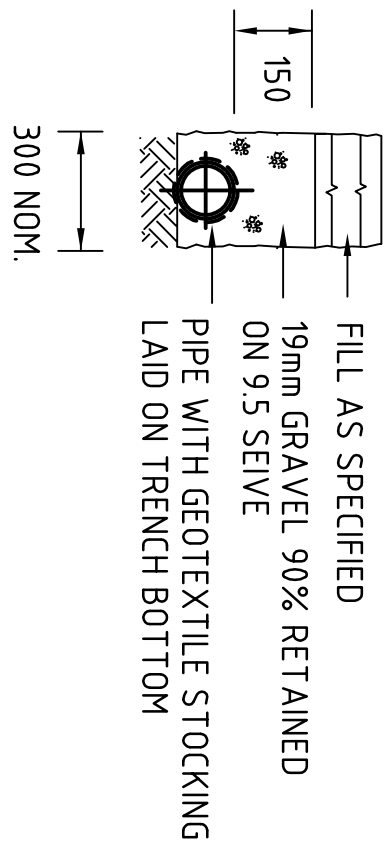
PIT NOTES:

- WHERE GULLY PIT IS LOCATED ON KERB RETURNS OR BULB OF CUL-DE-SACS PROVIDE CURVED PRECAST CONCRETE LINTELS.
- SAG PITS SHALL HAVE LINTEL PLACED CENTRALLY ABOUT THE GRATE.
- ALL REINFORCING TO HAVE 30 MIN CLEAR CONCRETE COVER.
- FOR PITS DEEPER THAN 1000mm CLIMB RAILS SHALL BE PROVIDED.
- REINFORCEMENT CAN BE NEGATED FOR PITS LESS THAN 1000mm DEEP.

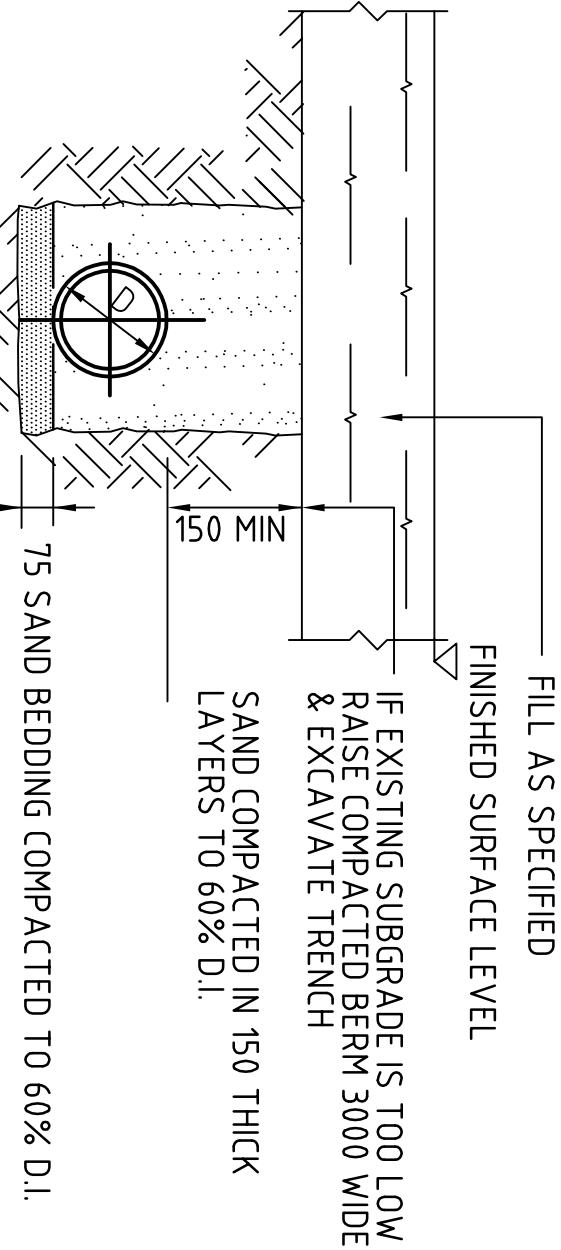


TYPE H1 SUPPORT TO

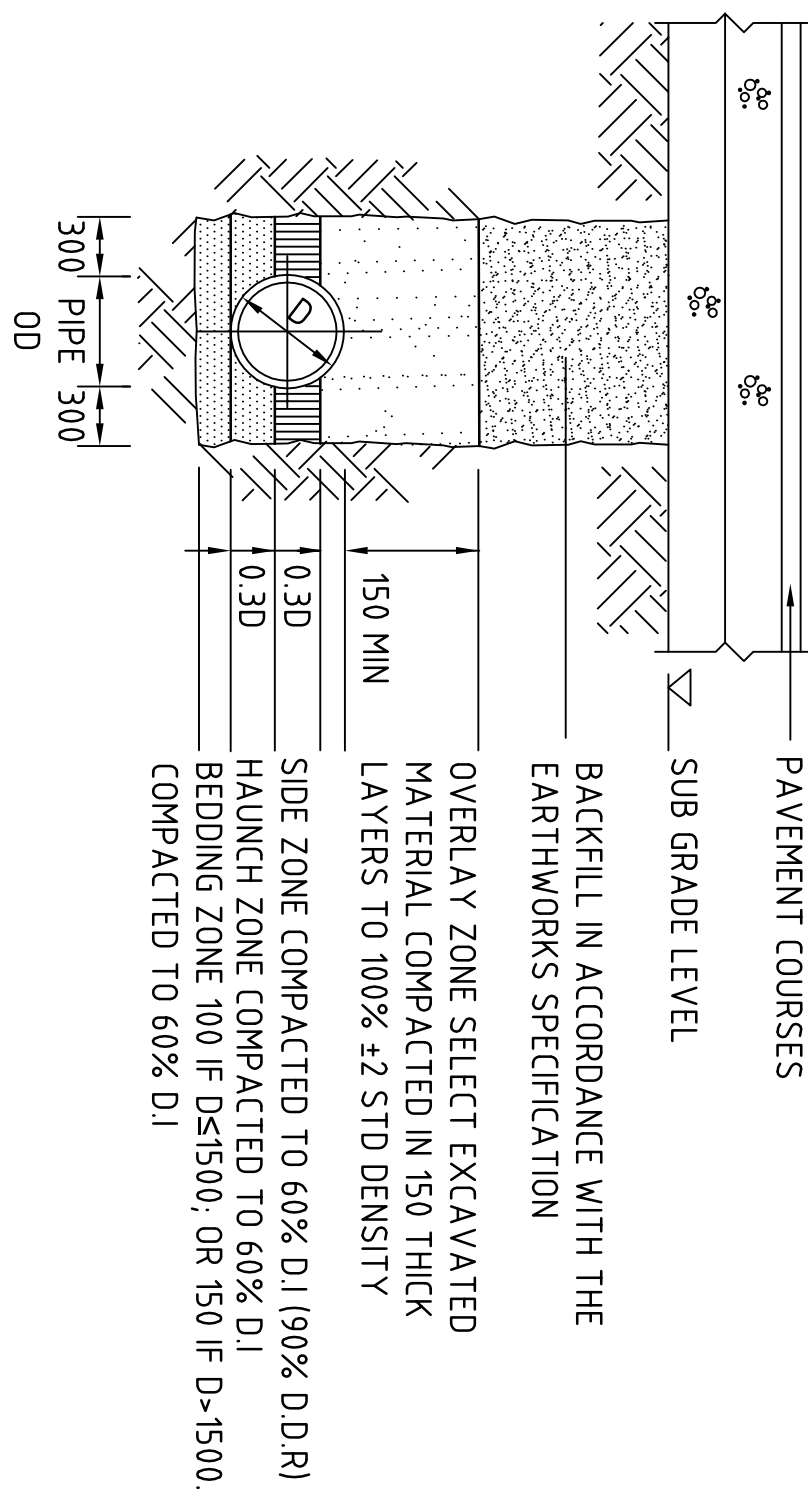
CONCRETE PIPES AT LANDSCAPED AREAS



SUPPORT TO AG. DRAIN



SUPPORT TO uPVC PIPES

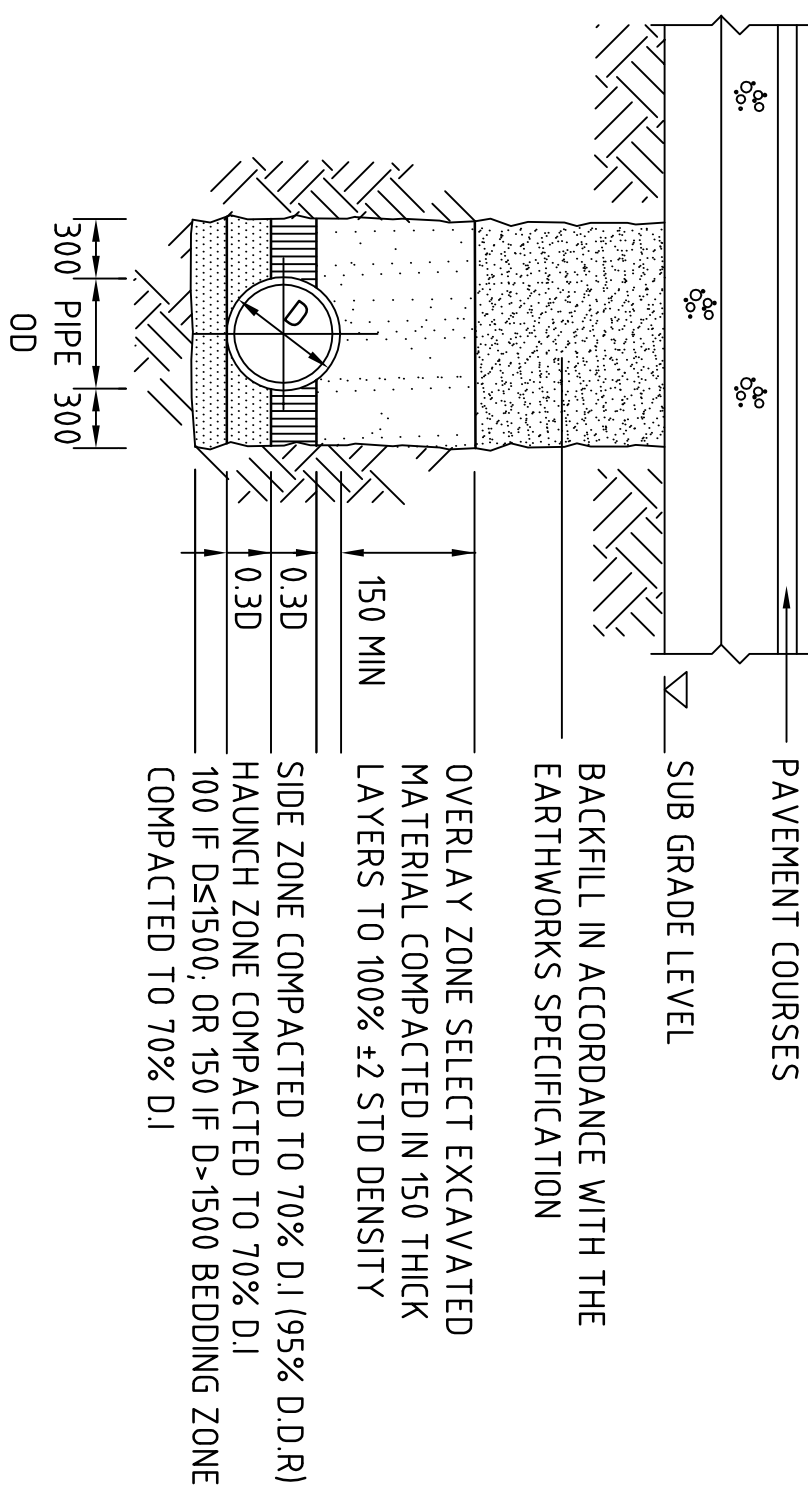


TYPE HS2 SUPPORT TO

CONCRETE PIPES

UNDER PAVEMENT

Ds 1350, MAX FILL = 4.0m
D> 1350, MAX FILL = 3.0m



TYPE HS3 SUPPORT TO

CONCRETE PIPES

UNDER PAVEMENT

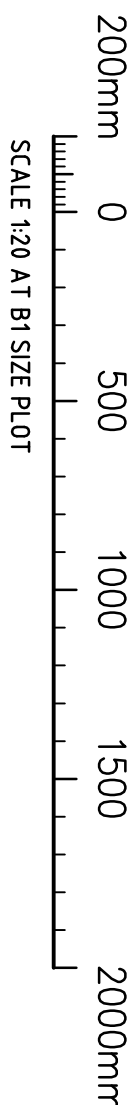
Ds 1050, MAX FILL = 6.0m
D> 1050, MAX FILL = 4.80m

BEDDING & HAUNCH MATERIAL GRADING	
SIEVE SIZE	WEIGHT PASSING(%)
19	100
2.36	100 TO 50
0.60	90 TO 50
0.30	60 TO 30
0.15	25 TO 0
0.075	10 TO 0

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

PIPE LAYING DETAILS

1:20



FOR DEVELOPMENT APPLICATION

FOR DEVELOPMENT APPLICATION				ARCHITECT				CLIENT				PROJECT				DRAWING TITLE			
PRELIMINARY - FOR INFORMATION				SB ARCHITECTS								PROPOSED COLES CDC EXPANSION				CONCEPT STORMWATER DETAILS			
08.02.13				B				15/15, N 60 Catherine Street SYDNEY NSW 2000, Australia				M7 BUSINESS HUB							
22.01.13				A				1/20/2009/01/02/2009/01											