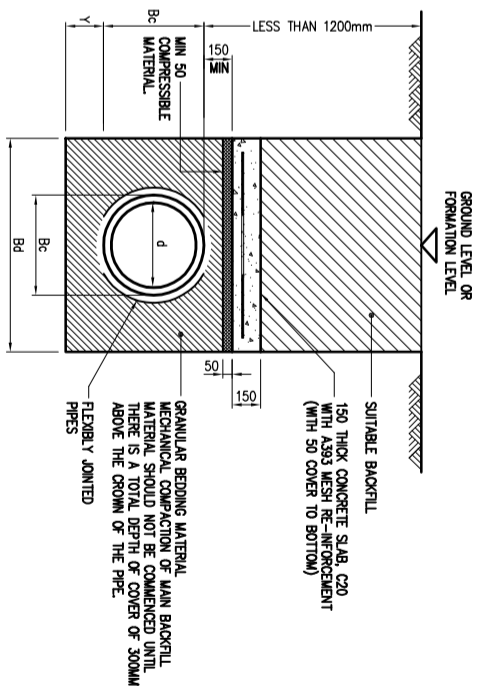


NOTES

1. FOR GENERAL NOTES REFER TO DRAWING 20-6690/300.

FOR EXTERNAL WORKS LAYOUT AND EXTENT OF SURFACE FINISHES REFER TO ARCHITECT'S DRAWINGS.



NOTES

SIDEFILL MATERIAL TO BE PLACED EVENLY ON BOTH SIDES OF PIPE TAKING CARE TO WORK THE MATERIAL UNDER THE LOWER QUADRANT OF THE PIPE ENSURING THE PIPE IS NOT LIFTED. BOTH SIDES OF THE TRENCH SHOULD BE FILLED SIMULTANEOUSLY TO AVOID HORIZONTAL MOVEMENT OF THE PIPE.

Bc = EXTERNAL DIAMETER OF PIPE BARREL

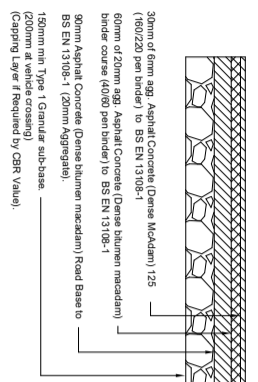
Bd = TRENCH WIDTH = Bc + 300 (PREFERRED) OR Bc + 600 (MAX)

TRENCH BOTTOM FINISH	UNDER BARREL	UNDER SOCKET
EVEN	Y = 100	Y = 50
UNEVEN (E.G. ROCK BANDS)	Y = 200	Y = 150

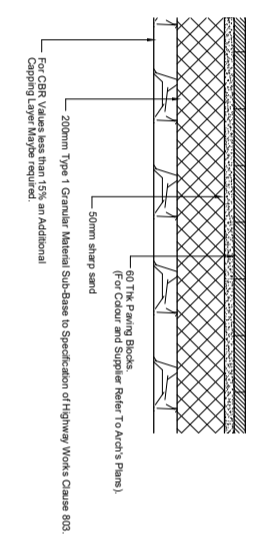
B.25 - PIPE PROTECTION AT SHALLOW LAID PIPES.

SCALE 1:30

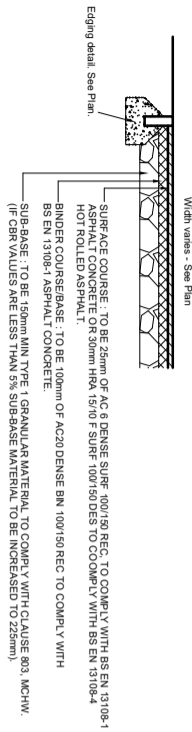
TYPICAL MACADAM DRIVEWAY/PARKING BAY



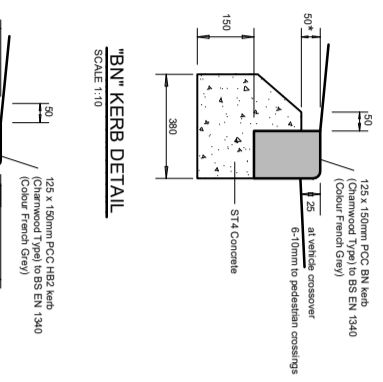
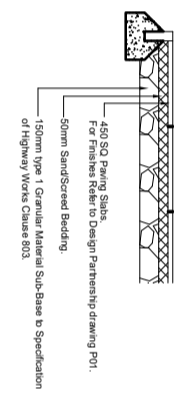
TYP SECTION THROUGH PRIVATE BLOCK PAVED PARKING AREA.



TYP FOOTPATH CONSTRUCTION (ADOPTABLE STANDARD)



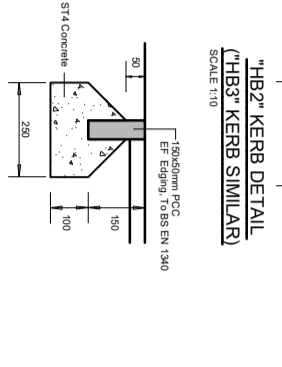
TYP FOOTPATH CONSTRUCTION (Around Class Block)



SUB-BASE LAYER ONLY		SUB-BASE & CAPPING LAYER	
CBR (%)	TYPE 1 (mm)	CBR (%)	TOTAL (mm)
25	450	250	600
3	450	240	590
4	350	240	490
5	350	210	460
6	310	200	410
7	290	200	490
8	270	200	380
9	260	180	370
10	250	180	350
11	240	170	340
12	230	160	315
13	220	160	300
14	210	150	290
15	200	150	290

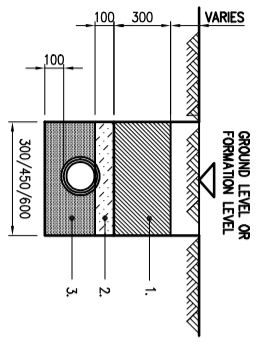
Carriageway Sub-Base and Capping Thickness.

* Minimum total construction thicknesses to be 450mm assuming frost susceptibility of the subgrade is not greater than 25% and the sub-base is a minimum of 25% weak further guidance: Ground Stabilisation May be Required.
NOTE: In areas requiring fill, levels beneath adaptable roads shall be made up and compacted to the satisfaction of Essex County Council.



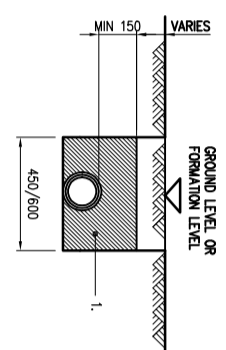
'EF' P.C.C EDGING DETAIL

SCALE 1:30



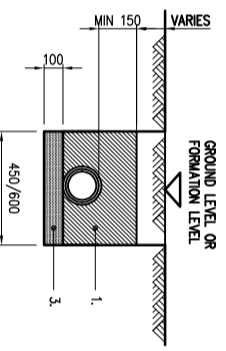
TYPICAL PIPE PROTECTION FOR FLEXIBLE PIPES.

SCALE 1:20



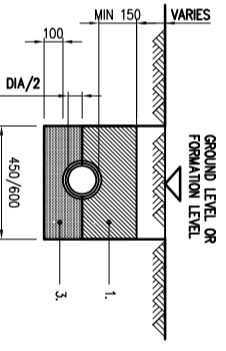
CLASS D BEDDING.

(BEDDING FACTOR 1.1)



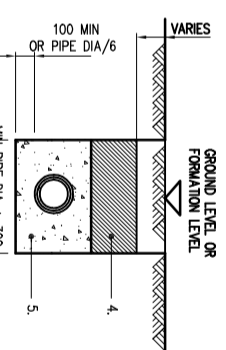
CLASS F BEDDING.

(BEDDING FACTOR 1.5)



CLASS B BEDDING.

(BEDDING FACTOR 1.9)



CLASS S.

- 1 = SELECTED FILL FREE FROM STONES LARGER THAN 40mm, LUMPS OF CLAY OVER 100mm, TWIGS, FROZEN MATERIAL OR VEGETABLE MATTER.
- 2 = SELECTED FILL FREE FROM STONES LARGER THAN 40mm.
- 3 = GRANULAR MATERIAL FOR RIGID PIPES THE MATERIAL SHOULD CONFORM TO BS EN 12178. ALL GRANULAR MATERIAL SHOULD BE SILENTLY COMPACTED TO 100 DIA PIPES. MAX 20mm FOR PIPES FROM 150+ TO 600 DIA. AND MAX 40mm FOR PIPES OVER 600 DIA. COMPACTION FRICTION MAXIMUM 0.3 FOR CLASS N OR B AND 0.15 FOR CLASS F.
- 4 = CLASS B MATERIAL TO S.H.W. CLAUSE 503.3 (b).
- 5 = GRANULAR MATERIAL TO S.H.W. CLAUSE 503.3 (i).

NO.	REVISION	DATE	BY	CHKD	DATE

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ARCHITECT/CLIENT
**LYSTER GRILLET & HARDING/
T.J. LEVENS LTD.**

PROJECT
**NEW SPORTS HALL BUILDING
TO CHANCELLOR'S SCHOOL,
PINE GROVE, BROCKHAMNS PARK,
HATFIELD, AL9 7BN.**

TITLE
**MISCELLANEOUS EXTERNAL
WORKS DETAILS.**

SCALE
1:20, 1:10

DRAWN AS	DATE FEB 2020
DESIGNED AS	CHECKED KAR
JOB NO. 20-6690	DRG. NO. 305
REVISION	

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