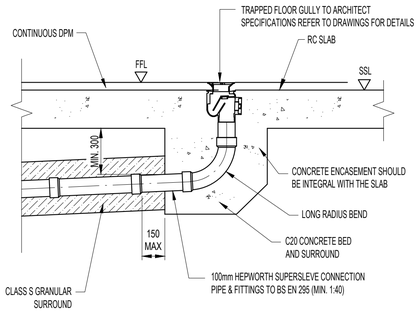
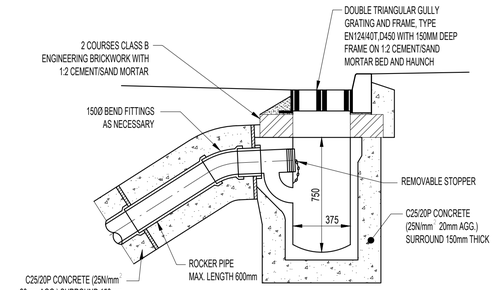


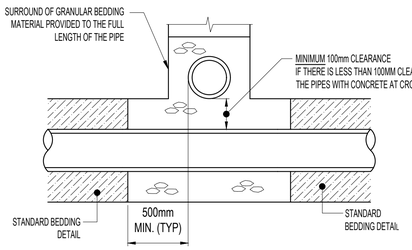
TYPICAL FLOOR GULLY DETAIL PIPE CONNECTION

(SCALE 1:20)



ROAD GULLY DETAIL

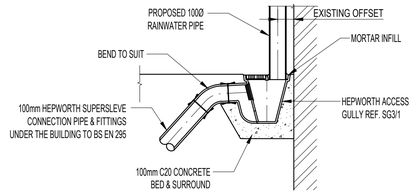
(SCALE 1:20)



NOTE: FOR ALL PIPE CROSSING WITH 250mm CLEARANCE OR LESS BETWEEN PIPES.

PIPE CROSSOVER

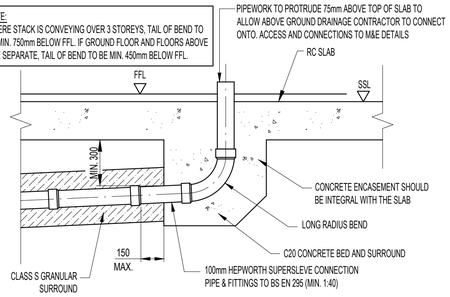
(SCALE 1:20)



PROPOSED RWP ACCESS GULLY (EXTERNAL)

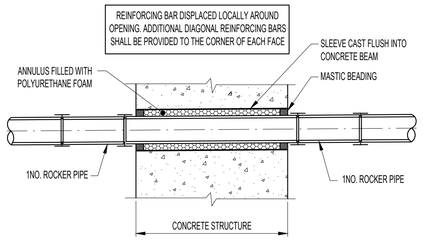
(SCALE 1:20)

NOTE:
WHERE STACK IS CONVEYING OVER 3 STOREYS, TAIL OF BEND TO BE MIN. 750mm BELOW FFL. IF GROUND FLOOR AND FLOORS ABOVE ARE SEPARATE, TAIL OF BEND TO BE MIN. 450mm BELOW FFL.



TYPICAL FOUL WASTE WATER PIPE CONNECTION

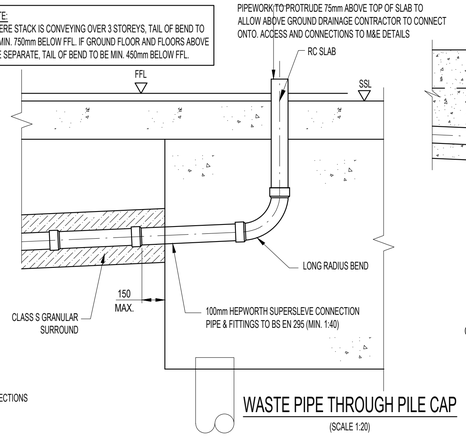
(SCALE 1:20)



PIPE THROUGH STRUCTURE

(SCALE 1:20)

NOTE:
WHERE STACK IS CONVEYING OVER 3 STOREYS, TAIL OF BEND TO BE MIN. 750mm BELOW FFL. IF GROUND FLOOR AND FLOORS ABOVE ARE SEPARATE, TAIL OF BEND TO BE MIN. 450mm BELOW FFL.



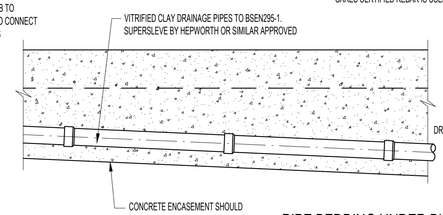
WASTE PIPE THROUGH PILE CAP

(SCALE 1:20)

GEOMEMBRANE INFORMATION (CHARCON OR SIMILAR APPROVED)

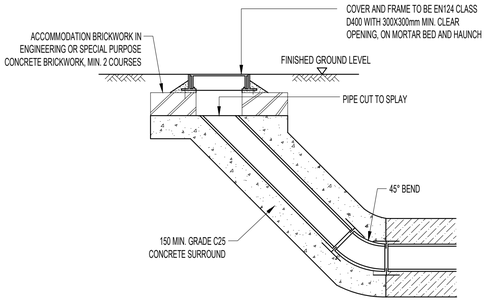
PROPERTY	VALUE
THICKNESS, mm ±10%	1.0
DENSITY g/cm³ MIN	0.9
TENSILE STRESS AT BREAK MIN N/mm²	18
ELONGATION AT BREAK %	>700
PUNCTURE RESISTANCE MIN N	150
TEAR RESISTANCE MIN N	60
DIMENSIONAL STABILITY % CHANGE MAX.	±2.0
STRESS CRACK RESISTANCE	100%
CORE MATERIAL	POLYPROPYLENE

NOTE:
1. GEOMEMBRANE TO BE INSTALLED TO MANUFACTURER'S INSTRUCTIONS
2. JOINTS TO BE FUSION WELDED WITH MINIMUM OVERLAP OF 120mm



PIPE BEDDING UNDER BUILDING

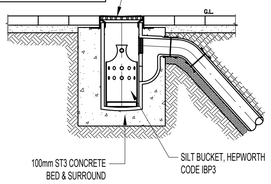
(SCALE 1:20)



TYPICAL EXTERNAL RODDING EYE DETAIL

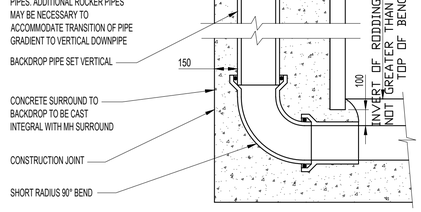
(SCALE 1:20)

NOTE:
THE DEPTH OF THE GULLY CAN BE INREASED BY UPTO 300mm BY FITTING A 225mm COUPLING, HEPWORTH CODE VC/13 AND A 300mm HIGH RAISING PIECE, HEPWORTH CODE SIC3/1 BETWEEN THE FRAME AND THE GULLY BODY.



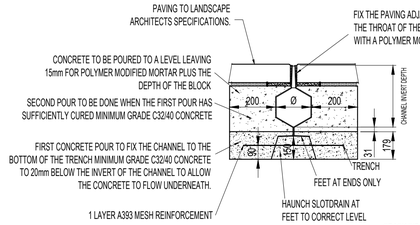
YARD GULLY DETAIL

(SCALE 1:20)

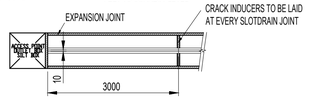


VERTICAL BACKDROP DETAIL

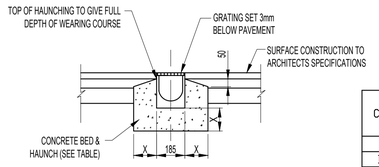
(SCALE 1:20)



1. ACCESS BOXES TO BE PROVIDED AT JUNCTIONS. TO BE INSTALLED TO MANUFACTURERS REQUIREMENT.
2. IF CHEMICAL SPILLAGE IS TO EXCEED MANUFACTURERS RECOMMENDED CHEMICAL CONCENTRATIONS, AREA TO BE BUNDED AND COPIOUS AMOUNT OF WATER TO BE AVAILABLE FOR WASHDOWN.



GATIC PAVESLOT DETAIL



CHANNEL DRAIN NOTES:

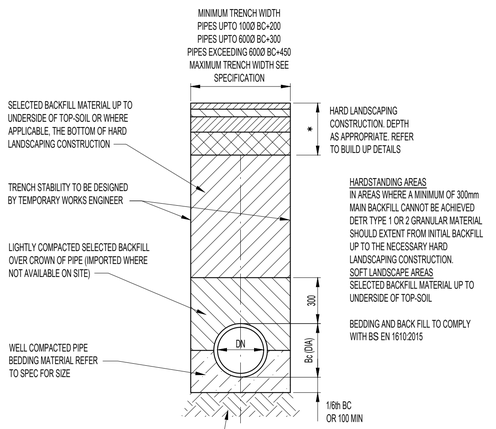
1. SURFACE CHANNEL SYSTEM ACO MULTIDRAIN MD OR APPROVED EQUAL.
2. CHANNELS TO BE LAID IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS.
3. MINIMUM 3mm, MAXIMUM 5mm, OVERBUILD TO THE CHANNEL PERMITTED.
4. TO MAINTAIN FLEXIBILITY OF THE CHANNEL, JOINTS SHALL BE PROVIDED AT 6m CENTRES. JOINT DETAIL SHALL BE IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS.
5. THE CONTRACTOR SHALL PROVIDE PROTECTION TO CHANNEL DURING CONSTRUCTION.
6. OUTLET CONNECTION TO THE MAIN NETWORK VIA A UNIVERSAL SUMP UNIT

CLASS	DIMENSION 'X' (mm)	CONCRETE GRADE (N/mm2)
A15	100	25
B125	125	25
C250	150	25
D400	200	30
E600	200	30
F900	200	35

ACO M100DS NO.0.0 OR SIMILAR APPROVED CHANNEL DRAIN TO BE USED

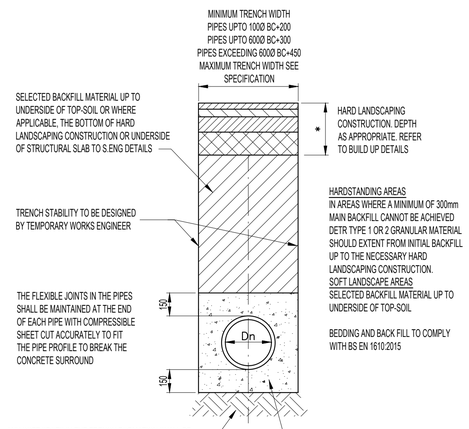
TYPICAL CHANNEL DRAIN DETAIL (PEDESTRIAN AREAS)

(SCALE 1:20)



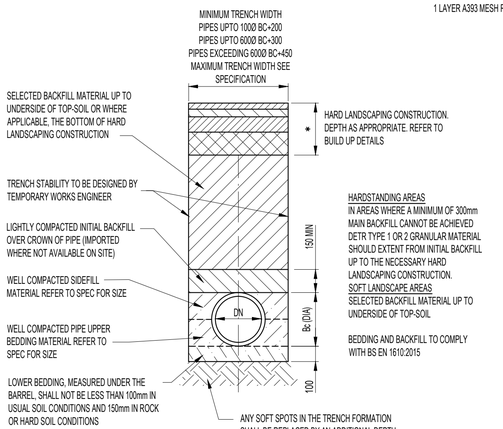
CLASS B
180° GRANULAR BED PIPE BEDDING DETAIL

(SCALE 1:20)



CLASS Z
CONCRETE BED AND SURROUND PIPE BEDDING DETAIL

(SCALE 1:20)



CLASS S
360° GRANULAR SURROUND PIPE BEDDING DETAIL

(SCALE 1:20)

GENERAL NOTES:

1. This drawing is to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
2. Do not scale from this drawing. All details and dimensions and levels are to be checked by the contractor prior to commencement of construction. Any discrepancies are to be reported to the Engineer.
3. All levels are in meters & dimensions in millimeters unless noted otherwise.

Rev:	Description:	Date:	By:	Chkd:
P2	UPDATED FOLLOWING LLFA COMMENTS	10.01.20	NMH	LB
P1	STAGE 4 ISSUE TO UPDATED DOCUMENT NAMING CONVENTION.	16.12.19	NMH	MS
T03	WASTE PIPE THROUGH PILE CAP DETAIL ADDED	15.11.19	NMH	MS
T02	STAGE 4 REISSUE	22.03.19	NH	LG
T01	PHASE 1 - STAGE 4 ISSUE	15.03.19	NH	LG

curtins
40 Compton Street, London, EC1V 0BD
020 7324 2240
london@curtins.com
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Status: STAGE 4

Project: SHREDDED WHEAT, METROPOLITAN

Drg Title: PROPOSED CONSTRUCTION DETAILS PHASE 1

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	01/03/2019	N.HICKMAN	L.GLAZA	L.GLAZA
Scale: NTS				

Project No:	Originator:	Zone:	Level:	Type:	Discipline:	Category / Number:	Rev:
SWP1	CUR	ZZ	GND	DET	D01	98006	P1