



ALL COVER AND INVERT LEVELS ARE SHOWN INDICATIVELY, BOTH LEVELS ARE TO BE CONFIRMED ONCE THE PROPOSED FFL LEVELS HAVE BEEN SET AND EXTERNAL CAR PARK GRADIENTS AGREED

### DRAINAGE NOTES

- ALL NON ADOPTABLE DRAINS UP TO 150 Dia. TO BE 'POLYPIPE' uPVC UNDERGROUND DRAIN MANUFACTURED IN ACCORDANCE WITH BS EN 1401-1 OR EQUAL APPROVED.
- ALL NON ADOPTABLE DRAINS WITH A PIPE Dia OF 225 OR 300 TO BE EITHER A PLAIN WALLED PLASTIC PIPE TO BS 1401-1 (POLYSEWER) OR A STRUCTURED WALL PLASTIC PIPE TO WIS-04-35-01 'POLYSEWER'. OR EQUAL APPROVED
- ALL ADOPTABLE DRAINS UP TO 300 Dia. TO BE 'POLYSEWER' BY 'POLYPIPE' AND MANUFACTURED IN ACCORDANCE WITH THE WATER INDUSTRY SPECIFICATION WIS-4-35-01.
- DRAINAGE PIPEWORK 400mm TO 600mm DIA TO BE 'RIDGIDRAIN' HDPE, BY POLYPIPE OR EQUAL APPROVED.
- ALL PIPE LENGTHS NOT TO EXCEED 3m.
- DRAINS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- NEW INSPECTION CHAMBERS (IC) TO BE A MINIMUM OF 450MM DIA. EXCEPT FOR MINI ACCESS CHAMBERS WHICH MAY BE SMALLER, REFER TO M.H. SCHEDULE FOR ACTUAL SIZES.
- ALL EXTERNAL RAINWATER PIPES (RWP) TO BE TERMINATED AT RODDABLE GULLIES. INTERNAL RWP'S TO ARCHITECTS DETAILS BUT SHOULD ALLOW FOR RODDABLE ACCESS.
- FOR ALL DRAINAGE ABOVE GROUND FLOOR SLAB INCLUDING SETTING OUT FOR PENETRATIONS THROUGH THE GROUND FLOOR SLAB REFER TO ARCHITECTS DRAWING & SPECIFICATIONS
- ANY DRAINS PASSING THROUGH SUBSTRUCTURE WALLS TO HAVE A MINIMUM 50mm CLEAR SPACE, RC LINTEL SUPPORT ABOVE & CEMENT FIBRE COLLARS EITHER SIDE TO PREVENT VERMIN ENTRY
- ANY DRAINS CAST IN & PASSING THROUGH CONCRETE GROUND BEAMS TO HAVE A FLEXIBLE JOINT NOT MORE THAN 150mm FROM THE FACE OF THE GROUND BEAM. (FLEXIBLE JOINT TO MANUFACTURERS DETAILS) AND A MAXIMUM 600mm LONG ROCKER PIPER EITHER SIDE
- ANY ALTERATIONS TO DRAINAGE PROPOSED BY CONTRACTOR TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK ON SITE. ANY REVISIONS ARE ALSO SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING INSPECTOR.
- ALL DRAINS RUNNING UNDER BUILDINGS TO HAVE A MINIMUM FALL OF 1:40 TOWARDS THE BUILDING EXTERIOR. PIPE TO BE ENCASED IN 100MM GRANULAR FILL.
- COVER LEVELS SHOWN ARE APPROXIMATE ONLY AND SHOULD BE ALTERED TO SUIT FINISHED SURFACE LEVELS. THE BEDDING SPECIFICATION FOR ALL DRAINS WHERE COVER IS GREATER THAN 1200mm SHALL BE TYPE 'S'... WHERE COVER IS LESS THAN 1200mm TYPE 'Z' SHALL BE USED.
- THE DEVELOPER/CONTRACTOR MUST SELF VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN 'SEWERS FOR ADOPTION 7TH EDITION'
- PROPOSED COVER AND INVERT LEVELS TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO ANY WORKS COMMENCING ONSITE
- ALL PPIP'S LOCATED WITHIN VEHICLE AREAS TO RECEIVE A MINIMUM 150mm CONCRETE BED AND SURROUND

### KEY

- PROPOSED SURFACE WATER SEWER
- PROPOSED 150mmØ FOUL WATER SEWER
- PROPOSED PUMP STATION AND RISING MAIN
- PROPOSED ROUTE OF DIVERTED CULVERT EXACT DEPTH TO BE CONFIRMED
- POLYSTORM R ATTENUATION SYSTEM BY POLYPIPE OR SIMILAR APPROVED
- NEW FOUL WATER INSPECTION CHAMBER 450mm DIAMETER
- NEW FOUL WATER MANHOLE 1200mm DIAMETER
- NEW SURFACE WATER MANHOLE 1200mm DIAMETER
- PROPOSED HYDROBRAKE FLOW CONTROL DEVICE
- NEW SURFACE WATER CATCHPIT 600mm DIAMETER
- KLARGESTER BY PASS SEPARATOR REF NSBE10 2072 x 1220mm
- EXISTING FOUL AND SURFACE WATER FEATURES TO BE INVESTIGATED TO IDENTIFY POTENTIAL EXISTING OUTFALLS
- PROPOSED GULLY

Rev	Date	Revision Details	By	Chkd	Appd
P5	JAN 25	ROOF WATER REDIRECTED	GRE		
P4	DEC 24	ILFA COMMENTS ADDED	GRE		
P3	NOV 24	YORKSHIRE WATER COMMENTS ADDED	GRE		
P2	NOV 24	ATTENUATION DETAIL UPDATED	GRE		
P1	AUG 24	FIRST ISSUE	GRE		

# Cora<sup>i</sup>ht

Client LIDL GREAT BRITAIN Ltd

Project NEW HEY ROAD

Title DRAINAGE ARRANGEMENT SHEET 1 OF 2

Drawing No.	Revision
16-3046-101	P5
Scale 1:250 @ A1	Date AUGUST 2024
Drawn GRE	Chk App

SHOULD THE ATTENUATION BE INSTALLED EARLY DURING THE CONSTRUCTION PROCESS A 150mm CONCRETE SLAB IS TO BE CONSTRUCTED OVER THE PROPOSED ATTENUATION EXTENDING BEYOND THE EXTENTS OF THE CRATES BY A MINIMUM OF 1m

EXG C1 NON RETURN VALVE FITTED