

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER HBL DRAWINGS ISSUED FOR THIS PROJECT

- PRIVATE DRAINAGE NOTES
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS AND SPECIFICATIONS.
 - THE DRAINAGE CONTRACTOR IS RESPONSIBLE FOR MAKING AN APPLICATION TO ANY SEWERAGE UNDERTAKER PRIOR TO CONSTRUCTION OF ANY CONNECTION INTO A PUBLIC MANHOLE.
 - THE ENGINEER IS TO BE NOTIFIED OF ANY DISCREPANCIES TO THE DETAILS SHOWN ON THE DRAWINGS AND ANY UNRECORDED CONNECTIONS NOT SHOWN ON THE DRAWINGS.
 - THE CONTRACTOR IS RESPONSIBLE FOR CHECKING DIMENSIONS AND LEVELS AND FOR CONFIRMING THE GIVEN LEVEL OF OUTFALL INTO PUBLIC SEWER, WATERCOURSE OR OTHER OUTFALL PRIOR TO CONSTRUCTION WORKS COMMENCING.
 - UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT AUTHORITIES ALL DRAWINGS ISSUED ARE AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK.
 - TO PROTECT THE DRAINAGE SYSTEM FROM CONSTRUCTION SITE DERIVES, THE CONTRACTOR SHALL ENSURE THAT STOPPERS ARE SECURELY PLACED IN ALL CONNECTIONS IMMEDIATELY UPSTREAM OF THE TANK. ONLY TO BE REMOVED ONCE THE FINAL CLEANING OF THE ROADS/ DRAINAGE HAS BEEN COMPLETED.
 - THE DESIGN IS BASED ON THE INFORMATION AVAILABLE ON THE DATE OF ISSUE FROM OTHER PARTIES (E.G. ARCHITECT AND M&E ENGINEER). IT IS SUBJECT TO CHANGE RESERVES FROM UPDATES TO THE AVAILABLE INFORMATION FROM OTHERS.
 - NEW DRAINS AND SEWERS TO BE AS FOLLOWS:
 - CONSTRUCTION MATERIALS OF PRIVATE SURFACE, FOUL & COMBINED WATER SEWERAGE SYSTEM TO BE IN ACCORDANCE WITH BUILDING REGULATIONS - APPROVED DOCUMENT H & BS EN 752:2017 DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS
 - CONSTRUCTION MATERIALS OF PUBLIC SURFACE, FOUL & COMBINED WATER SEWERS TO BE IN ACCORDANCE WITH DESIGN & CONSTRUCTION GUIDANCE, SEWERAGE SECTOR GUIDANCE APPENDIX C' AND IN ACCORDANCE WITH LOCAL SEWERAGE UNDERTAKER
 - MINIMUM PIPE SIZE FOR ADAPTABLE SURFACE WATER DRAINAGE IS 100mmDN
 - 100mmDN AT MIN 1:100 FOR 10 DWELLINGS OR LESS
 - 150mmDN AT MIN 1:150 FOR GREATER THAN 10 DWELLINGS
 - MINIMUM PIPE SIZE FOR ADAPTABLE SURFACE WATER DRAINAGE IS 100mmDN
 - 100mmDN 1:40 WHERE 10 DWELLINGS OR LESS AND NO WC
 - 100mmDN 1:80 WHERE GREATER THAN 10 DWELLINGS AND AT LEAST 1 WC
 - ALL ROAD GULLY PIPEWORK SPURS TO BE 150mmDN UNLESS OTHERWISE SPECIFIED
 - LOAD CLASS SELECTION TO COMPLY WITH BS EN 124
 - LOAD CLASS B125 - FOOTWAYS, PEDESTRIAN AREAS ETC
 - LOAD CLASS D250 - GULLY TOPS IN KERBSIDE CHANNELS OF ROADS
 - LOAD CLASS D400 - CARRIAGEWAYS OF ROADS (HEAVY DUTY)
 - LOAD CLASS E600 - AREAS IMPOSING HIGH WHEEL LOADS
 - LOAD CLASS F900 - AREAS IMPOSING PARTICULARLY HIGH WHEEL LOADS
 - ALL FOUL DRAINS BENEATH BUILDINGS AND FROM SOIL VENT PIPES, GULLIES AND CONNECTIONS TO A MAIN DRAIN AND A SEWER SYSTEM SHALL BE FULLY TRAPPED AND EACH FOUL CONNECTION TO A BRANCH DRAIN TO HAVE FULL RODDING ACCESS (E.G. LOW-LEVEL RODDING ACCESS).
 - RAINWATER DOWN PIPES ARE TO CONNECT TO A DRAIN VIA A REST BEND.
 - WHERE DRAINAGE IS COMBINED A TP TRAP MUST BE PROVIDED ABOVE THE FLOOR SLAB LEVEL.
 - MINIMUM DEPTH OF COVER TO THE CROWN OF GRAVITY PIPES WITHOUT PROTECTION SHOULD BE AS FOLLOWS (IN ACCORDANCE WITH DESIGN & CONSTRUCTION GUIDANCE, SEWERAGE SECTOR GUIDANCE APPENDIX C')
 - 350mm - DOMESTIC GARDENS AND PATHWAYS WITHOUT ANY POSSIBILITY OF VEHICULAR ACCESS
 - 500mm - DOMESTIC DRIVEWAYS, PARKING AREAS AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ACCESS BY VEHICLES WITH A GROSS WEIGHT IN EXCESS OF 7.5 TONNES
 - 900mm - DOMESTIC DRIVEWAYS, PARKING AREAS AND NARROW STREETS WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS WEIGHT IN EXCESS OF 7.5 TONNES
 - 900mm - AGRICULTURAL LAND & PUBLIC OPEN SPACE
 - 1200mm - HIGHWAYS/PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLE WITH A GROSS WEIGHT IN EXCESS OF 7.5 TONNES
 - BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL, ELSEWHERE BACKFILL TO BE FREE DRAINING READILY AVAILABLE COMPACTABLE MATERIAL FREE FROM RUBBISH, ORGANIC MATTER, FROZEN SOIL, CLAY LUMPS AND LARGE STONES. TO BE COMPACTED IN LAYERS NOT EXCEEDING 250mm THICK.
 - A FLEXIBLE JOINT SHALL BE PROVIDED AS CLOSE AS IS FEASIBLE TO THE OUTSIDE FACE OF ANY STRUCTURE INTO WHICH A PIPE IS BUILT COMPATIBLE WITH THE SATISFACTORY COMPLETION AND SUBSEQUENT MOVEMENTS OF THE JOINT. LENGTH OF THE NEXT PIPE (ROCKER PIPE) IS TO BE IN ACCORDANCE WITH THE TABLE BELOW
 - 150-600mmDN - 600mm LONG ROCKER PIPE
 - 600-750mmDN - 1000mm LONG ROCKER PIPE
 - 750mmDN AND ABOVE - 1250mm LONG ROCKER PIPE
 - PIPE CROSSOVERS TO HAVE MINIMUM OF 300mm CLEARANCE BETWEEN OUTSIDE OF THE LOWER PIPE AND OUTSIDE BOTTOM OF THE UPPER PIPE. WHERE THIS CANNOT BE ACHIEVED A SEPARATION, CONCRETE SURROUND IS TO BE FORMED WHICH WILL EXTEND NOT LESS THE 1000mm EACH SIDE OF THE CROSSING POINT. THE EXTENT OF THE CONCRETE SHOULD BE WITHIN 150mm OF A FLEXIBLE JOINT. THE CONCRETE SPECIFICATION SHOULD BE IN ACCORDANCE WITH THE STANDARD DETAILS FOR PIPE BED AND SURROUND AS ISSUED BY THE ENGINEER.
 - CONCRETE MIXES INDICATED ON THIS DRAWING ARE DESIGNATED MIXES CONFORMING TO BS 8500-1:2006. ALL CONCRETE TO BE SULPHATE RESISTANT. CONTRACTOR SHOULD ALLOWANCE FOR CARRYING OUT TESTING ONCE TO CONFIRM SULPHATE LEVEL CLASSIFICATION.
 - ALL PRIVATE MANHOLES AND INSPECTION CHAMBERS TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS - APPROVED DOCUMENT H & BS EN 752:2017 DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS
 - ALL MANHOLES AND INSPECTION CHAMBERS TO BE ADOPTED TO BE CONSTRUCTED IN ACCORDANCE WITH 'IN ACCORDANCE WITH DESIGN & CONSTRUCTION GUIDANCE, SEWERAGE SECTOR GUIDANCE APPENDIX C' AND IN ACCORDANCE WITH LOCAL SEWERAGE UNDERTAKER
 - CCTV SURVEY OF ALL THE DRAINAGE SHOULD BE CARRIED OUT ON COMPLETION OF ALL THE BUILDING WORKS AND PASSED ON TO THE CLIENT.
 - ANY EXISTING DRAINAGE INFRASTRUCTURE TO BE RETAINED TO HAVE NEW COVERS AND FRAMES TO SUIT NEW LEVELS AND SURFACING.
 - WHERE DRAINAGE RUNS PASS BELOW FOUNDATIONS, PIPES TO BE ENCASED IN MIN. 100mm CONCRETE SURROUND AND SURROUND WRAPPED IN 2mm COMPRESSIBLE MATERIAL TOP & 25mm SLEEVED THROUGH FOUNDATIONS AND FITTED WITH ROCKER PIPE. FOUNDATIONS ADJACENT TO DRAIN RUN TO BE DESIGNED LOCALLY TO INVERT OF DRAINAGE PIPE TO AVOID SURCHARGE LOADINGS.
 - WHERE DRAINAGE RUNS PASS ABOVE FOUNDATIONS, PROVIDE 60mm DEEP PRE-STRESSED CONCRETE LINTELS e.g. 'NAVLOK' Ref. P100



- KEY
- FULL SITE BOUNDARY
 - WORKS BOUNDARY
 - PROPOSED FINISHED FLOOR LEVEL (PATIO TO FALL 50mm, 3m FROM REAR ACCESS)
 - PROPOSED GARAGE SLAB LEVEL
 - PROPOSED CONTOURS (SEE S39 LEVELS)
 - ADOPTABLE SWS NETWORK
 - ADOPTABLE FWS NETWORK
 - PROPOSED PRIVATE SWS LATERAL
 - PROPOSED PRIVATE FWS LATERAL
 - PROPOSED PRIVATE SWS NETWORK
 - PROPOSED PRIVATE FWS NETWORK
 - PROPOSED SWS/FWS BACKDROP
 - PROPOSED SWS RODDING EYE
 - RWP CONNECTION (POSITION DESIGNED BY OTHERS)
 - PRIVATE CHANNEL DRAIN
 - PRIVATE DRAINAGE GULLY
 - FWS PLOT CONNECTION (POSITION DESIGNED BY OTHERS)

REV.	DATE	DRAWN	DESCRIPTION	CHKD	APPRD
P03	24.03.26	JLB	PRIVATE DRAINAGE LAYOUT REVISED	RJ	RJ
P02	17.11.25	RJ	REVISED TO NEW PLOT CONNECTIONS	RJ	RJ
P01	31.10.25	PSC	INITIAL ISSUE	RJ	RJ

STATUS		DESCRIPTION	STATUS
FOR INFORMATION			S2
Craig House, 33 Ballbrook Avenue, Manchester M20 3JD +44 (0)161 432 9977 www.hbl.td Consulting Civil & Structural Engineers			
PROJECT: WOOLLEY COLLIERY			
DRAWING TITLE: PROPOSED PRIVATE DRAINAGE WORKS SHEET 1			
CLIENT: MJ GLEESON			
HBL REF.:	DATE:	SCALE(S):	
10701	31.10.25	1:200	A1
DRAWN:	CHECKED:	APPROVED:	
PC	RJ	RJ	
DRAWING No. 10701-HBL-XX-XX-DR-C-5211			REV. P03

