



LOCATION PLAN
SCALE 1:2000

YORKSHIRE WATER NOTES:

- ALL ADOPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH 'CODE FOR ADOPTION' THE RELEVANT BRITISH/EUROPEAN AND YORKSHIRE WATER'S STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKED.
- MANHOLE COVERS SHALL HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.
- FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.
- YORKSHIRE WATER IS NOT OBLIGED TO ACCEPT FILTER DRAIN/LAND DRAINAGE RUN-OFF INTO THE PUBLIC SEWER NETWORK OR ADOPTABLE DRAINAGE SYSTEM (DIRECTLY OR INDIRECTLY). AN ALTERNATIVE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUN-OFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY, LAND DRAINAGE SECTION REGARDING THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE RUN-OFF.
- THE ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES AND SERVICE MARGINS.
- SEWERS MUST HAVE 5 METRES CLEARANCE FROM TREES AND HEDGES OR THE WIDTH OF THE CANOPY AT MATURE HEIGHT.
- SEWERS TO BE LAID IN CLASS 'S' BEDDING (150mm GRANULAR BED AND SURROUND), WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2m IN HIGHWAYS AND VERGES (OR LESS THAN 900mm IN NONVEHICULAR ACCESS AREAS) THEN A CONCRETE SLAB SHOULD BE PROVIDED ABOVE GRANULAR BED AND SURROUND.
- BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
- YORKSHIRE WATER POLICY IS THAT TYPE 'C' BRICK MANHOLES AND 1050mm DIAMETER MANHOLE RINGS ARE NOT PREFERRED. INSTEAD, IT IS PREFERRED THAT YOU USE A TYPE 'F' MANHOLE WITH 1200mm DIAMETER OR 1500mm DIAMETER RINGS, WITH THE OPENING SITED OVER THE CHANNEL WHERE DEPTH OF COVER TO PIPE SOFFIT IS 1 - 1.5m.
- ADOPTABLE PLASTIC SEWER PIPES TO BE BSI KITEMARKED (CERTIFIED TO WIS 4-35-01 AND BSEN13476). ADOPTABLE PLASTIC SEWER PIPES TO BE LAID IN MAXIMUM 3 METRE LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD REQUIRE CLAY WARE CHANNEL IN MANHOLES.
- THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 100mm DIA. 40kN/m, 150mm DIA. 40kN/m, 225mm DIA. 45kN/m AND 300mm DIA. 72kN/m. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE CLASS 120 TO EN 1916/BS5911-1:2002. PLASTIC PIPES SHOULD CONFORM TO WIS 4-35-01 AND BS EN13476.
- WHERE A 8125 COVER AND FRAME HAS BEEN APPROVED, THIS MUST NOT BE COATED IN PLASTIC AND MUST HAVE LIFTING EYES SUITABLY SIZED TO ACCOMMODATE STANDARD LIFTING KEYS. SCREW DOWN COVERS ARE NOT ACCEPTABLE.
- THERE MUST BE ENOUGH CLEARANCE AT CROSSOVERS TO ACCOMMODATE BEDDING TO BOTH PIPES, APPROX. 300mm; IF CROSSOVER IS NEAR THE ROCKER THEN THE CLEARANCE NEEDED MAY NEED TO BE INCREASED.

THE INFORMATION ON THIS DRAWING IS FOR APPROVAL PURPOSES ONLY. NO CONSTRUCTION WORKS ARE TO BE UNDERTAKEN UNTIL WRITTEN APPROVAL IS RECEIVED FROM YORKSHIRE WATER.

BOUNDARY KEY

--- = PROPOSED SITE BOUNDARY

SECTION 185 DRAINAGE LAYOUT KEY

- = PROPOSED SURFACE WATER MANHOLE
- = PROPOSED SURFACE WATER SEWER
- = EXISTING MANHOLE
- = EXISTING SURFACE WATER SEWER (RETAINED)
- /--- = SURFACE WATER SEWER TO BE ABANDONED AND REMOVED (GRUBBED UP)
- /○ = PROPOSED S104 SURFACE WATER DRAINAGE
- = PROPOSED S104 STORAGE

S185 - PROPOSED MANHOLE SCHEDULE													
MH NAME	MH CL (m)	MH IL (m)	MH DEPTH (m)	DEPTH TO SOFFIT (m)	MH CHAMBER DIAM. (mm)	MH TYPE	MH COVER GRADE	MH COVER SIZE (LxW mm)	INLET PIPE INVERTS (m)	INLET PIPE DIAM. (mm)	OUTLET PIPE INVERTS (m)	OUTLET PIPE DIAM. (mm)	COMMENTS
SW01	199.081	196.791	2.290	2.140	600	PPIC	B125	600Ø	EXSD2.000 196.791 (A)	150	SD1.000 196.791 (A)	150	MANHOLE TO BE BUILT ONLINE OF EXSD2.000
SW02	198.815	196.377	2.438	2.288	600	PPIC	B125	600Ø	SD1.000 196.377	150	SD1.001 196.377	150	
SW03	198.168	196.093	2.075	1.925	600	PPIC	B125	600Ø	SD1.001 196.093 (A)	150	EXSD2.000 196.093 (A)	150	MANHOLE TO BE BUILT ONLINE OF EXSD2.000
EXSW01	197.424	195.450	1.974	1.824	-	-	-	-	EXSD1.000 195.480 EXSD2.000 195.530	150 150	EXSD1.001	150	

NOTE:
A = Assumed IL/Pipe Diameter

- NOTES:
- THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
 - DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
 - ALL LEVELS ARE AOD (ABOVE ORDNANCE DATUM) UNO.

P02	UPDATED ROUTING TO SUIT YORKSHIRE WATER COMMENTS	17.06.26	HD	SC	--
P01	FIRST ISSUE	19.05.26	MJC	SC	--
Rev	Description	Date	By	Crk	App

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Project:	PROPOSED DEVELOPMENT AT LAND OFF WAREMILL GARDENS, PENISTONE				
Client:	MULGRAVE PROPERTY GROUP LTD				
Drawing:	SECTION 185 - DRAINAGE DIVERSION WORKS LAYOUT				
Role:	CIVIL ENGINEER				
Drawing Status:	FOR APPROVAL	Suitability Code:	S3		
Job. no.	47480	Scale@ A1:	1:100 UNO	Rev.	P02
Project	Originator	Zone	Level	Type	Role
MDL - AWP - ZZ - XX - DR - C - 3350					