

YW REF: H-3-264-956

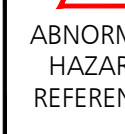


FOR MORE DETAIL ON THE
WATERCOURSE DIVERSION
PLEASE SEE DRAWING 180

DO NOT SCALE

DESIGNERS HAZARD IDENTIFICATION

IT IS ASSUMED THAT ALL WORKS WILL BE UNDERTAKEN BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT. IN ADDITION TO THE HAZARDS TYPICALLY ASSOCIATED WITH THE TYPES OF CONSTRUCTION DETAILED ON THIS DRAWING, ANY KNOWN ABNORMAL HAZARDS SPECIFIC TO THIS DRAWING HAVE BEEN IDENTIFIED.



1. THIS DRAWING IS BASED FROM:
 - 1.1. TOPO SURVEY - 2456/001 (MAR 21)
 - 1.2. ARCHITECT LAYOUT - 2156.01 K (12/01/23)
2. DO NOT SCALE FROM THIS DRAWING AS IT MAY NOT BE REPRODUCED TO SCALE.
3. THIS DRAWING IS TO BE REPRODUCED IN COLOUR.
4. PLEASE REPORT ANY DISCREPANCIES TO DUDLEYS CONSULTING ENGINEERS PRIOR TO CONSTRUCTION.

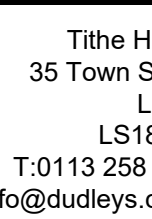
KEY

- 773 ha IMPERMEABLE AREAS

YORKSHIRE WATER GENERAL NOTES

1. ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH SEWERAGE SCHEME GUIDANCE DESIGN AND CONSTRUCTION GUIDANCE (SCE) ADAPTION, THE BRITISH EUROPEAN AND YORKSHIRE WATERS STANDARDS REQUIREMENTS FOR THE ADOPTION OF A SMALL SUBSURFABLE FLOW SURFACE WATER PUMPING STATIONS AND OUTFALLS.
2. MANHOLE COVERS SHALL HAVE A CLEAR OPENING OF 600MM AND SHALL BE CLASS D40 BS EN 124 WITH 150MM DEEP FRAMES IN HIGHWAYS.
3. FILLED GROUND MUST BE FILLED AND COMPACTED TO THE SAME DENSITY AND TO THE SATISFACTION OF YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.
4. YORKSHIRE WATER IS NOT OBLIGED TO ACCEPT ANY DRAINAGE AND/OR SEWERAGE INTO THE PUBLIC SEWER NETWORK OR ADAPTABLE DRAINAGE SYSTEM (DIRECTLY OR IN-DIRECTLY). ANY EXISTING METHOD OF DRAINAGE AND/OR DRAINAGE RUN-OFF WILL THEREFORE BE REQUIRED TO BE MAINTAINED AND TO DISCHARGE TO THE DRAINAGE, LAND DRAINAGE SYSTEM WITH REGARDS TO THE DISPOSAL OF THE FILTER DRAIN AND/OR DRAINAGE RUN-OFF.
5. THE ADAPTABLE SEWER SHALL BE A MINIMUM OF 150MM ABOVE GROUND SURFACE AND WITH SERVICE MARGINS.
6. SEWERS MUST HAVE 5 METRES CLEARANCE FROM TREES AND HEDGES OR THE WIDTH OF THE CANAL OR NATURAL RIVER.
7. 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, HIGHER STRENGTH VERGES OR LESS THAN 1.2M DEPTH OF VEHICULAR AREA DEEP FRAMES IN CANALS SHOULD BE PROVIDED ABOVE GRANULAR BED AND SURROUND.
8. BEDDING AND BACKFILL MATERIAL, TO CONFORM TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE 2).
9. YORKSHIRE WATER POLICY IS THAT TYPE "C" BRICK MANHOLE AND 1050MM DIA. MANHOLE RINGS ARE NOT TO BE PREPARED. THEREFORE, IF YOU USE A TYPE "B" MANHOLE WITH 1200MM DIA. OR 1500MM DIA. RINGS, WITH THE OPENING SIZE OF THE CHANNEL, THE MINIMUM DEPTH OF COVER TO PIPE SLOTTED IS 1 - 1.5M.
10. ADAPTABLE PLASTIC SEWER PIPES TO BE BS1 KITEMARKED (CERTIFIED TO US-35-01 AND 10-01-01). ADAPTABLE PLASTIC SEWER PIPES TO BE LAID IN MAXIMUM 3 METRE LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAID LONGER LENGTHS. PLUS 50MM SPACINGS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD PREFER CLAY/VALE CHAIN FOR LONGER LENGTHS.
11. THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPE 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 PIPE SHOULD BE: (CL 20 FOR 191669551-1), (C200), PLASTIC PIPE TO CONFORM TO BS EN 12201 AND BS EN 12476.
12. WHERE A B125 COVER AND FRAME HAS BEEN APPROVED, THIS MUST NOT BE COATED IN PLASTER OR HAVE LIFTING KEYS. IT MUST BE DESIGNED TO ACCOMMODATE STANDARD LIFTING KEYS. SCREW DOWN COVERS ARE NOT ACCEPTABLE.
13. THERE MUST BE ENOUGH CLEARANCE FOR ALL SEWERS TO ALLOW THE COVER TO BE LIFTED BY PIPES. APPROX. 300MM; IF CROSSOVER IS NEAR TO ROOKER THEN THE CLEARANCE NEEDY MAY BE INCREASED.

25.04.23	UPDATED TO SUIT S104 COMMENTS	MDJ	PD
31.03.23	UPDATED TO SUIT YW & LLFA COMMENTS	MDJ	PD
27.01.23	UPDATED FOR TECH SUBMISSION	MDJ	PD
08.11.21	PRELIMINARY ISSUE	MDJ	PD
Date	Revision	By	Checked



Project
LOVLELL HOMES
SAVILLE ROAD, SKELMANTHORPE
HD8 9EF

Title
PROPOSED IMPERMEABLE AREA
PLAN

Scale 1:250	Paper A0	Drawn MDJ	Check PC
Date NOV 21	Status PRELIMINARY		
Job No. 21374	Drg. No. 102		Rev. P