



YW REF: H-3-264-956

DO NOT SCALE

DESIGNERS HAZARD IDENTIFICATION
 IT IS ASSUMED THAT ALL WORKS WILL BE UNDERTAKEN BY A COMPETENT CONTRACTOR WORKING UNDER AN APPROVED METHOD STATEMENT. IN ADDITION TO THE HAZARDS TYPICAL ASSOCIATED WITH THE TYPES OF CONSTRUCTION SET OUT ON THIS DRAWING, ANY KNOWN ABNORMAL HAZARDS SPECIFIC TO THIS DRAWING HAVE BEEN IDENTIFIED.

ABNORMAL HAZARD REFERENCE

- THIS DRAWING IS BASED FROM:
 - 1.1 TOPO SURVEY - 2456001 (MAR 21)
 - 1.2 ARCHITECT LAYOUT - 2156.01 K (12/01/23)
- DO NOT SCALE FROM THIS DRAWING AS IT MAY NOT BE REPRODUCED TO SCALE.
- THIS DRAWING IS TO BE REPRODUCED IN COLOUR.
- PLEASE REPORT ANY DISCREPANCIES TO DUDLEYS CONSULTING ENGINEERS PRIOR TO CONSTRUCTION.

- KEY**
- PROPOSED SW PRIVATE DRAIN
 - PROPOSED FW PRIVATE DRAIN
 - PROPOSED SW PRIVATE PPC
 - PROPOSED FW PRIVATE PPC
 - PROPOSED SW PRIVATE YARD GULLY
 - PROPOSED SW PRIVATE CHANNEL DRAIN
 - PROPOSED SW PRIVATE ROOFING EYE
 - EXISTING PPC ENCASEMENT LOCAL TO RETAINING WALLS

- YORKSHIRE WATER GENERAL NOTES**
- ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH SEWERAGE SECTOR GUIDANCE DESIGN AND CONSTRUCTION GUIDANCE (CODE FOR ADOPTION), THE RELEVANT BRITISH STANDARD AND YORKSHIRE WATER'S STANDARD REQUIREMENTS LOCAL PRACTICE FOR THE ADOPTION OF SMALL SUBMERSIBLE SOUL AND SURFACE WATER PUMPING STATIONS 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 AND DRAINAGE RUN-OFF INTO THE PUBLIC SEWER NETWORK OR ADAPTABLE DRAINAGE SYSTEM (DIRECTLY OR IN-DIRECTLY). AN ALTERNATIVE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUN-OFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIASE WITH THE LOCAL AUTHORITY, LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE RUN-OFF.
 - THE ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1M AND MANHOLES 0.5M FROM KERBS 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 NON HIGHWAY 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 1000MM DIA. MANHOLE RINGS ARE NOT PREFERRED. INSTEAD IT IS PREFERRED THAT YOU USE A TYPE "B" MANHOLE WITH 1200MM DIA. OR 1500MM DIA. RINGS, WITH THE OPENING SITED OVER THE CHANNEL WHERE DEPTH OF COVER TO PIPE SOFFIT IS 1.5M.
 - ADAPTABLE PLASTIC SEWER PIPES TO BE BS1 KITEMARKED (CERTIFIED TO 4-35-01 AND BS EN 13476). ADAPTABLE PLASTIC SEWER PRES TO BE LAID IN MAXIMUM LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD PREFER CLAYWARE CHANNEL IN MANHOLES.
 - THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 1000MM DIA. 40KNM, 1500MM DIA. 40KNM, 2250MM DIA. 45KNM AND 3000MM DIA. 72KNM. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE: CLASS 120 TO EN 1916/BS5911-1:2002. PLASTIC PIPES SHOULD CONFORM TO VIS 4-35-01 AND BS EN 13476.
 - WHERE A B135 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.

10.09.24	REVISED TO SUIT UPDATED SVP POSITIONS ON HOUSE TYPE 1747	OB	MDJ	C
09.07.24	REVISED TO SUIT AMENDED FFLS	MDJ	PD	B
14.01.23	CONSTRUCTION ISSUE	MDJ	PD	A
Date	Revision	By	Chkd	Ref

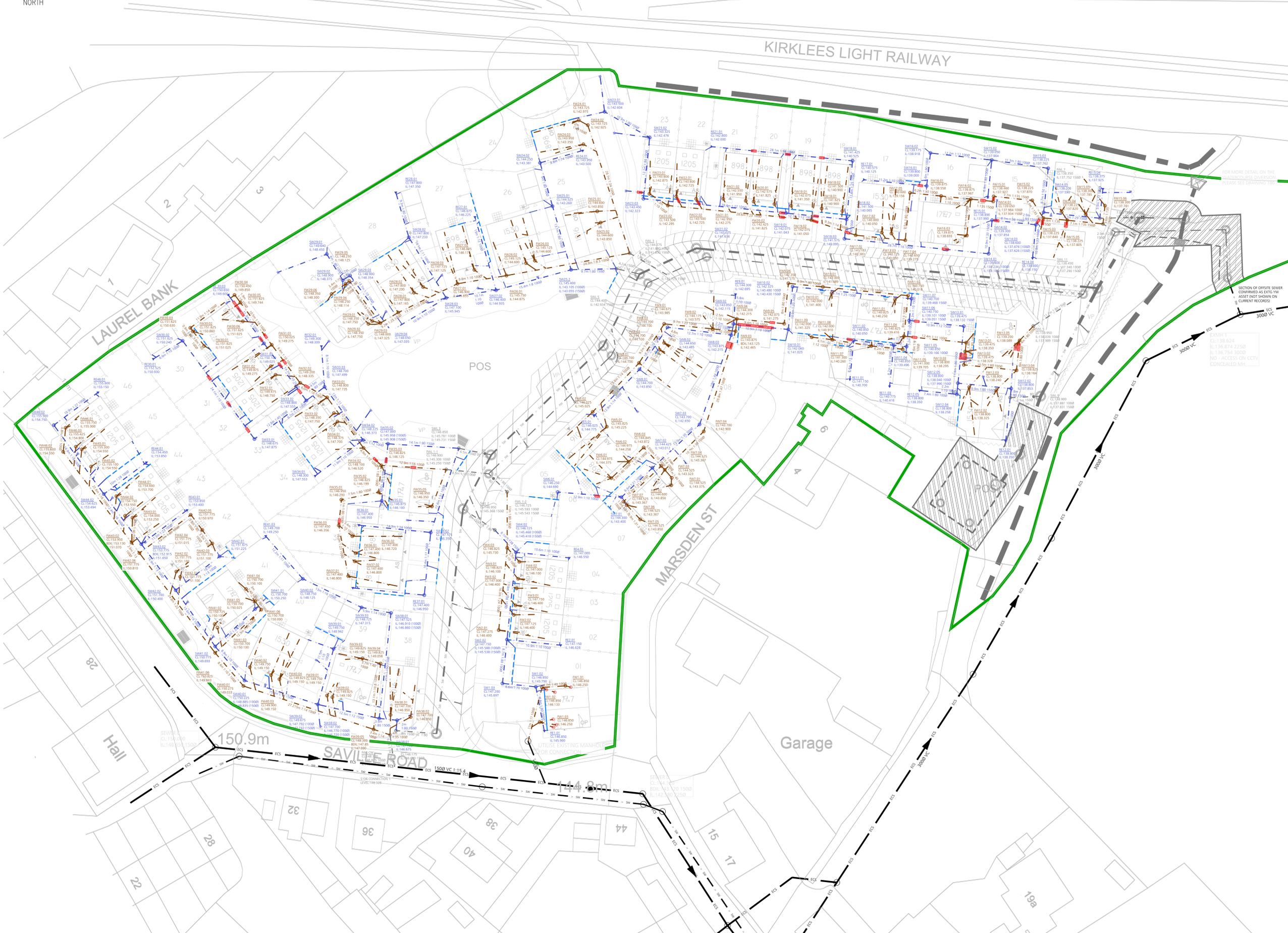
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Project
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Title
**PRIVATE DRAINAGE
 LAYOUT**

Scale	1:250	Page	A0	Drawn	MDJ	Check	PD
Date	JAN 23	Status		CONSTRUCTION			
Job No.	21374	Draw No.	110	Rev.			C



FOR MORE DETAIL ON THE
 MANHOLE COVERS
 PLEASE SEE DRAWING 1102

SECTION OF OFFSITE SEWER
 CONFIRMED AS EXISTING
 ASSET NOT SHOWN ON
 CURRENT RECORDS

EXP01
 CL 138 G24
 IL 138 874 2250
 IL 138 594 3000
 NO ACCESS ON CCTV
 CONCEALED MH

EXISTING MANHOLE
 FOR CONNECTION

SEWER
 CL 144.100
 BORE DIA. 200 1500