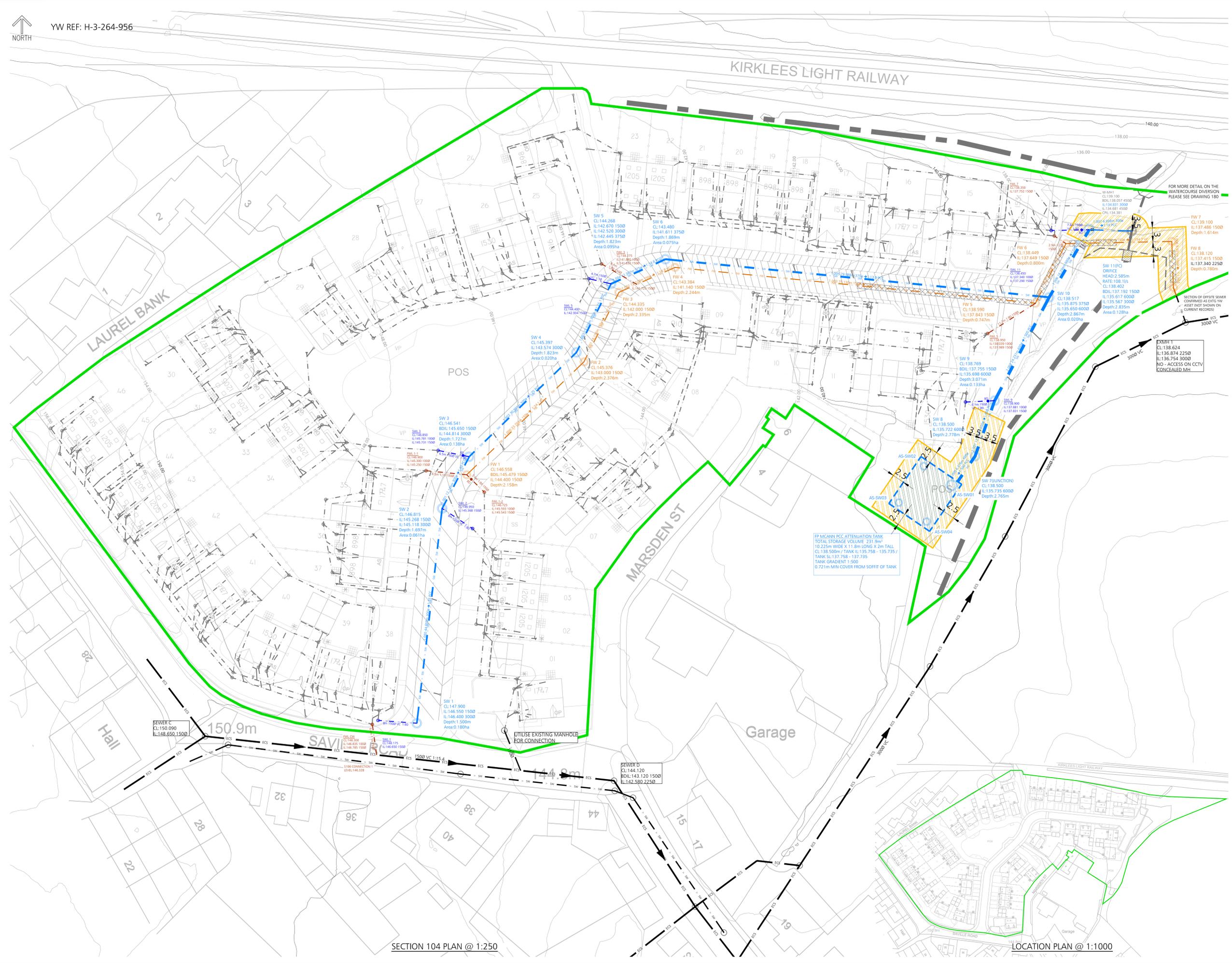




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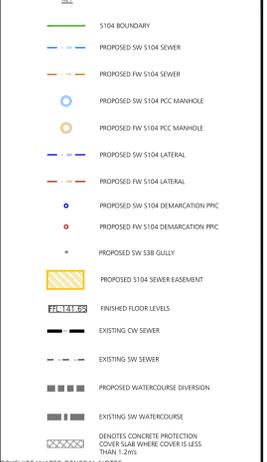


DO NOT SCALE

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



- THIS DRAWING IS BASED FROM:
 - TOPO SURVEY - 2456001 (MAR 21)
 - 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.



YORKSHIRE WATER GENERAL NOTES

- ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH SEWERAGE SECTOR GUIDANCE DESIGN AND CONSTRUCTION GUIDANCE (CODE FOR ADDITION) THE RELEVANT BRITISH/BUREAU AND YORKSHIRE WATER STANDARDS REQUIREMENTS. LOCAL PRACTICE FOR THE ADOPTION OF SMALL SUBSIDIARY FUL 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 DRAINLAND 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 LIAISE WITH THE LOCAL AUTHORITY. LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAINLAND DRAINAGE RUN-OFF.
- THE ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1M AND MANHOLE 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 ROOM IN NONE VEHICULAR 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 150MM DIA. MANHOLE RINGS ARE NOT PREFERRED. INSTEAD IT IS PREFERRED THAT YOU USE A TYPE "B" MANHOLE WITH 100MM DIA OR 150MM DIA RINGS. WITH THE OPENING SITED OVER THE CHANNEL WHERE DEPTH OF COVER TO PIPE SOFFIT IS 1 - 1.5M.
- ADAPTABLE PLASTIC SEWER PIPES TO BE BSI KITEMARKED (CERTIFIED TO WS 4-35-01 AND BS EN 13476). ADAPTABLE 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 PREFER CLAYWARE CHANNEL IN MANHOLES.
- THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 100MM DIA, 40KNM; 150MM DIA, 40KNM; 225MM DIA, 40KNM AND 300MM DIA, 72KNM. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE: CLASS 120 TO EN 1916/BS5911-1-2002. PLASTIC PIPES SHOULD CONFORM TO WS 4-35-01 AND BS EN 13476.
- WHERE A B125 COVER AND FRAME HAS BEEN APPROVED, THIS SHOULD 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.

Date	Revision	MDJ	PD	A
14.03.24	CONSTRUCTION ISSUE			

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Title
SECTION 104 LAYOUT

Date	Page	AO	Drawn	MDJ	Check	PD
Date	JAN 23	Status	CONSTRUCTION			
Job No.	21374	Drp. No.	104	Rev.	A	

SECTION 104 PLAN @ 1:250

LOCATION PLAN @ 1:1000