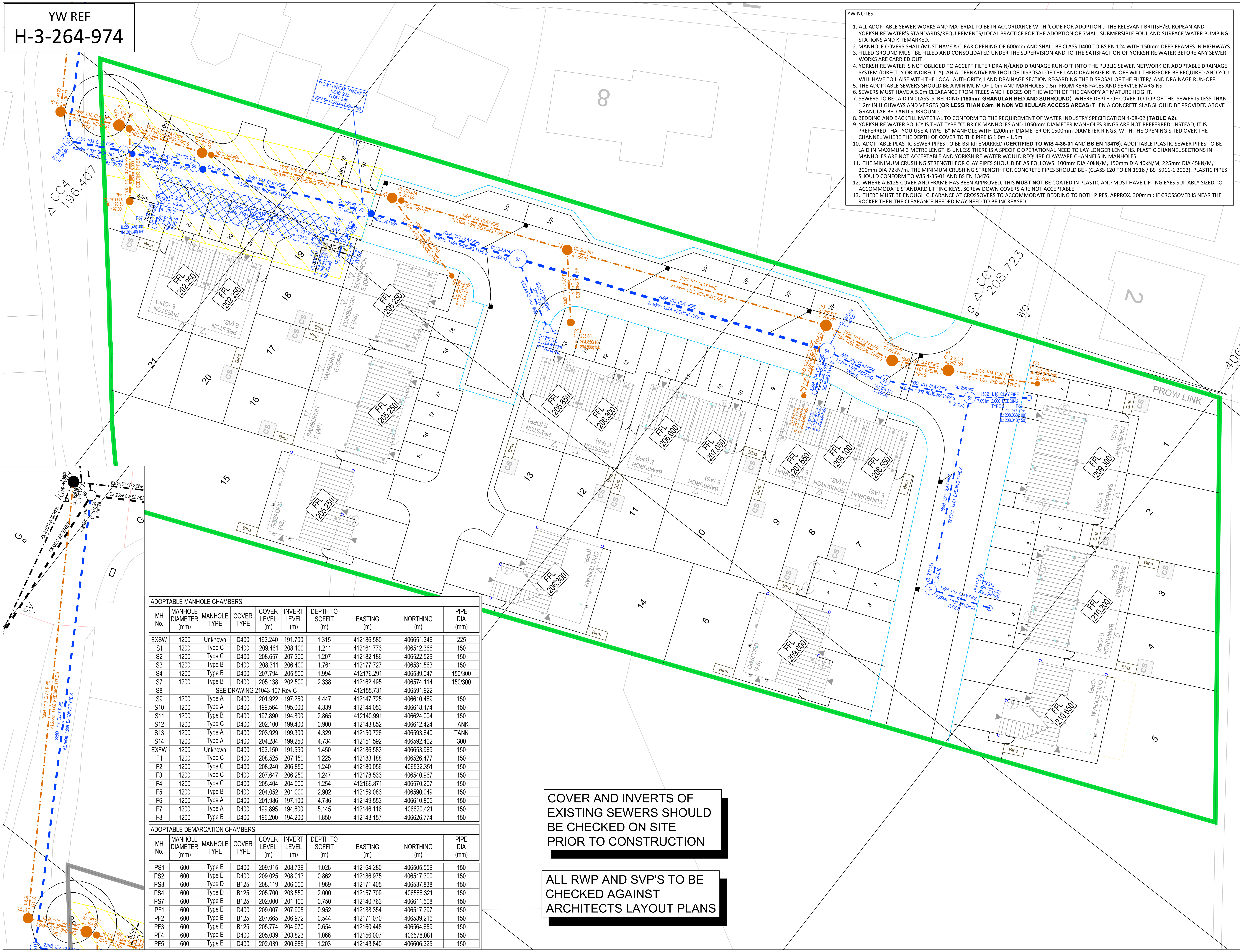
YW REF
H-3-264-974



YW NOTES:

1. ALL ADOPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH 'CODE FOR ADOPTION'. THE RELEVANT BRITISH/EUROPEAN AND YORKSHIRE WATER'S STANDARDS/REQUIREMENTS/LOCAL PRACTICE FOR THE ADOPTION OF SMALL SUBMERSIBLE FOUL AND SURFACE WATER PUMPING STATIONS AND KITEMARKED.
2. MANHOLE COVERS SHALL/MUST HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.
4. 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/LAND DRAINAGE RUN-OFF.
5. THE ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1.0m AND MANHOLES 0.5m FROM KERB FACES AND SERVICE MARGINS.
6. SEWERS MUST HAVE A 5.0m CLEARANCE FROM TREES AND HEDGES OR THE WIDTH OF THE CANOPY AT MATURE HEIGHT.
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 IN HIGHWAYS AND VERGES (**OR LESS THAN 0.9m IN NON VEHICULAR ACCESS AREAS**) THEN A CONCRETE SLAB 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 A2**).
9. YORKSHIRE WATER POLICY IS THAT TYPE "C" BRICK MANHOLES AND 1050mm DIAMETER MANHOLES RINGS ARE NOT PREFERRED. INSTEAD, IT IS PREFERRED THAT YOU USE A TYPE "B" MANHOLE WITH 1200mm DIAMETER OR 1500mm DIAMETER RINGS, WITH THE OPENING SITED OVER THE CHANNEL WHERE THE DEPTH OF COVER TO THE PIPE IS 1.0m - 1.5m.
10. ADOPTABLE PLASTIC SEWER PIPES TO BE BSI KITEMARKED (**CERTIFIED TO WIS 4-35-01** AND **BS EN 13476**). 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 CLAYWARE CHANNELS IN MANHOLES.
11. THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 100mm DIA 40kN/M, 150mm DIA 40kN/M, 225mm DIA 45kN/M, 300mm DIA 72kN/m. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE - (CLASS 120 TO EN 1916 / BS 5911-1 2002). PLASTIC PIPES SHOULD CONFORM TO WIS 4-35-01 AND BS EN 13476.
12. WHERE A B125 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.
13. 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.

NOTES

1. THIS DRAWING IS PRODUCED FOR USE IN THIS PROJECT ONLY AND MAY NOT BE USED FOR ANY OTHER PURPOSE. THE CONSULTING ENGINEERS ACCEPT NO LIABILITY FOR THE USE OF THIS DRAWING OTHER THAN THE PURPOSE FOR WHICH IT WAS INTENDED IN CONNECTION WITH THIS PROJECT AS RECORDED ON THE TITLE BLOCK FIELDS 'PURPOSE FOR ISSUE' AND 'FILE STATUS CODE'.
2. THIS DRAWING MAY NOT BE REPRODUCED IN ANY FORM WITHOUT PRIOR WRITTEN AGREEMENT FROM ADVANT ENGINEERS.
3. DO NOT SCALE FROM THE DRAWING, USE WRITTEN DIMENSIONS ONLY.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
5. DISCREPANCIES MUST BE REPORTED BACK TO THE ENGINEER PRIOR TO CONSTRUCTION.
6. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ADVANT ENGINEERS DRAWINGS AND SPECIFICATIONS.

KEY

PROP S104 SW SEWER
PROP S104 FW SEWER
SEWER EASEMENT

REV	AMENDMENTS	BY	DATE
L	UPDATED TO CLIENT COMMENTS	MJM	20.03.25
K	UPDATED TO CLIENT COMMENTS	MJM	03.03.25
J	UPDATED TO CLIENT COMMENTS	MJM	21.02.25
I	UPDATED TO LATEST LAYOUT	MJM	07.02.25
H	UPDATED TO YW COMMENTS	MJM	28.01.25
G	UPDATE TO CLIENT COMMENTS	MJM	08.05.24
F	DOUBLE GULLIES ADDED	MJM	07.11.23
E	UPDATED TO LATEST LAYOUT	MJM	17.10.23
D	MANHOLE SCHEDULE UPDATED	MJM	01.06.23
C	LAYOUT UPDATED / DRIVEWAY TANKS ADDED	MJM	28.03.23
B	TANK RELOCATED	MJM	28.02.23
A	INITIAL ISSUE	MJM	19.02.23

ADOPTABLE MANHOLE CHAMBERS

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)	PIPE DIA (mm)
EXSW	1200	Unknown	D400	193.240	191.700	1.315	412186.580	406651.346	225
S1	1200	Type C	D400	209.461	208.100	1.211	412161.773	406512.366	150
S2	1200	Type C	D400	208.657	207.300	1.207	412182.186	406522.529	150
S3	1200	Type B	D400	208.311	206.400	1.761	412177.727	406531.563	150
S4	1200	Type B	D400	207.794	205.500	1.994	412176.291	406539.047	150/300
S7	1200	Type B	D400	205.138	202.500	2.338	412162.495	406574.114	150/300
S8	SEE DRAWING 21043-107 Rev C						412155.731	406591.922	
S9	1200	Type A	D400	201.922	197.250	4.447	412147.725	406610.469	150
S10	1200	Type A	D400	199.564	195.000	4.339	412144.053	406618.174	150
S11	1200	Type B	D400	197.890	194.800	2.865	412140.991	406624.004	150
S12	1200	Type C	D400	202.100	199.400	0.900	412143.852	406612.424	TANK
S13	1200	Type A	D400	203.929	199.300	4.329	412150.726	406593.640	TANK
S14	1200	Type A	D400	204.284	199.250	4.734	412151.592	406592.402	300
EXFW	1200	Unknown	D400	193.150	191.550	1.450	412186.583	406653.969	150
F1	1200	Type C	D400	208.525	207.150	1.225	412183.188	406526.477	150
F2	1200	Type C	D400	208.240	206.850	1.240	412180.056	406532.351	150
F3	1200	Type C	D400	207.647	206.250	1.247	412178.533	406540.967	150
F4	1200	Type C	D400	205.404	204.000	1.254	412166.871	406570.207	150
F5	1200	Type B	D400	204.052	201.000	2.902	412159.083	406590.049	150
F6	1200	Type A	D400	201.986	197.100	4.736	412149.553	406610.805	150
F7	1200	Type A	D400	199.895	194.600	5.145	412146.116	406620.421	150
F8	1200	Type B	D400	196.200	194.200	1.850	412143.157	406626.774	150

ADOPTABLE DEMARCATION CHAMBERS

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)	PIPE DIA (mm)
PS1	600	Type E	D400	209.915	208.739	1.026	412164.280	406505.559	150
PS2	600	Type E	D400	209.025	208.013	0.862	412186.975	406517.300	150
PS3	600	Type D	B125	208.119	206.000	1.969	412171.405	406537.838	150
PS4	600	Type D	B125	205.700	203.550	2.000	412157.709	406566.321	150
PS7	600	Type E	B125	202.000	201.100	0.750	412140.763	406611.508	150
PF1	600	Type E	D400	209.007	207.905	0.952	412188.354	406517.297	150
PF2	600	Type E	B125	207.665	206.972	0.544	412171.070	406539.216	150
PF3	600	Type E	B125	205.774	204.970	0.654	412160.448	406564.659	150
PF4	600	Type E	D400	205.039	203.823	1.066	412156.007	406578.081	150
PF5	600	Type E	D400	202.039	200.685	1.203	412143.840	406606.325	150

COVER AND INVERTS OF EXISTING SEWERS SHOULD BE CHECKED ON SITE PRIOR TO CONSTRUCTION

ALL RWP AND SVP'S TO BE CHECKED AGAINST ARCHITECTS LAYOUT PLANS

FOR APPROVAL

STATUS		CHK'D
PRELIMINARY	✓	MJM
FOR COMMENT	✓	MJM
FOR APPROVAL	✓	MJM
FOR CONSTRUCTION		
AS BUILT		

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CONTRACT
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HOLMBRIDGE
HD9 2QP

TITLE
S104 DRAINAGE LAYOUT PLAN

DRAWN	MJM	CHK'D	MJM
SCALE	1:200 @ A1	DATE	19.02.23

JOB No	DRG No	REV
21043	101	L