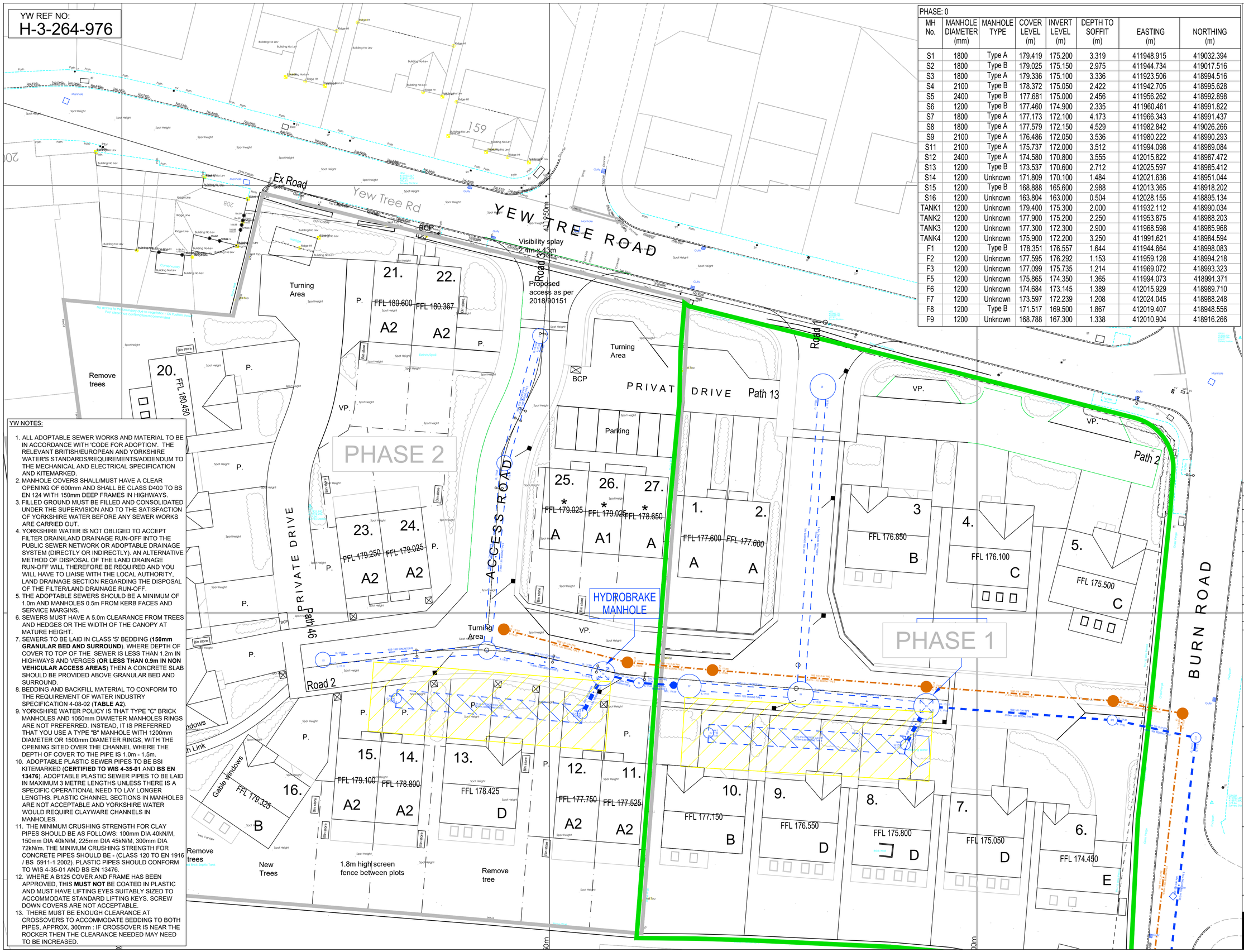
YW REF NO:
H-3-264-976



PHASE: 0							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S1	1800	Type A	179.419	175.200	3.319	411948.915	419032.394
S2	1800	Type B	179.025	175.150	2.975	411944.734	419017.516
S3	1800	Type A	179.336	175.100	3.336	411923.506	418994.516
S4	2100	Type B	178.372	175.050	2.422	411942.705	418995.628
S5	2400	Type B	177.681	175.000	2.456	411956.262	418992.898
S6	1200	Type B	177.460	174.900	2.335	411960.461	418991.822
S7	1800	Type A	177.173	172.100	4.173	411966.343	418991.437
S8	1800	Type A	177.579	172.150	4.529	411982.842	419026.266
S9	2100	Type A	176.486	172.050	3.536	411980.222	418990.293
S11	2100	Type A	175.737	172.000	3.512	411994.098	418989.084
S12	2400	Type A	174.580	170.800	3.555	412015.822	418987.472
S13	1200	Type B	173.537	170.600	2.712	412025.597	418985.412
S14	1200	Unknown	171.809	170.100	1.484	412021.636	418951.044
S15	1200	Type B	168.888	165.600	2.988	412013.365	418918.202
S16	1200	Unknown	163.804	163.000	0.504	412028.155	418895.134
TANK1	1200	Unknown	179.400	175.300	2.000	411932.112	418990.034
TANK2	1200	Unknown	177.900	175.200	2.250	411953.875	418988.203
TANK3	1200	Unknown	177.300	172.300	2.900	411968.598	418985.968
TANK4	1200	Unknown	175.900	172.200	3.250	411991.621	418984.594
F1	1200	Type B	178.351	176.557	1.644	411944.664	418998.083
F2	1200	Unknown	177.595	176.292	1.153	411959.128	418994.218
F3	1200	Unknown	177.099	175.735	1.214	411969.072	418993.323
F5	1200	Unknown	175.865	174.350	1.365	411994.073	418991.371
F6	1200	Unknown	174.684	173.145	1.389	412015.929	418989.710
F7	1200	Unknown	173.597	172.239	1.208	412024.045	418988.248
F8	1200	Type B	171.517	169.500	1.867	412019.407	418948.556
F9	1200	Unknown	168.788	167.300	1.338	412010.904	418916.266

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'.
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6. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ADVANT ENGINEERS DRAWINGS AND SPECIFICATIONS.

KEY

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/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION 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.

REV		BY	DATE
D	DRAINAGE UPDATED	MJM	05.04.24
C	DRAINAGE UPDATED	MJM	01.03.24
B	DRAINAGE UPDATED	MJM	24.07.23
A	INITIAL ISSUE	MJM	13.06.23
	AMENDMENTS		

PRELIMINARY

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

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CLIENT
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CONTRACT
YEW TREE ROAD
BIRCHENCLIFFE
HUDDERSFIELD

TITLE
OVERALL SITE PROPOSED DRAINAGE LAYOUT PLAN

DRAWN	MJM	CHK'D	MJM
SCALE	1:200 @ A1	DATE	13.06.23

JOB No	DRG No	REV
22046	113	D