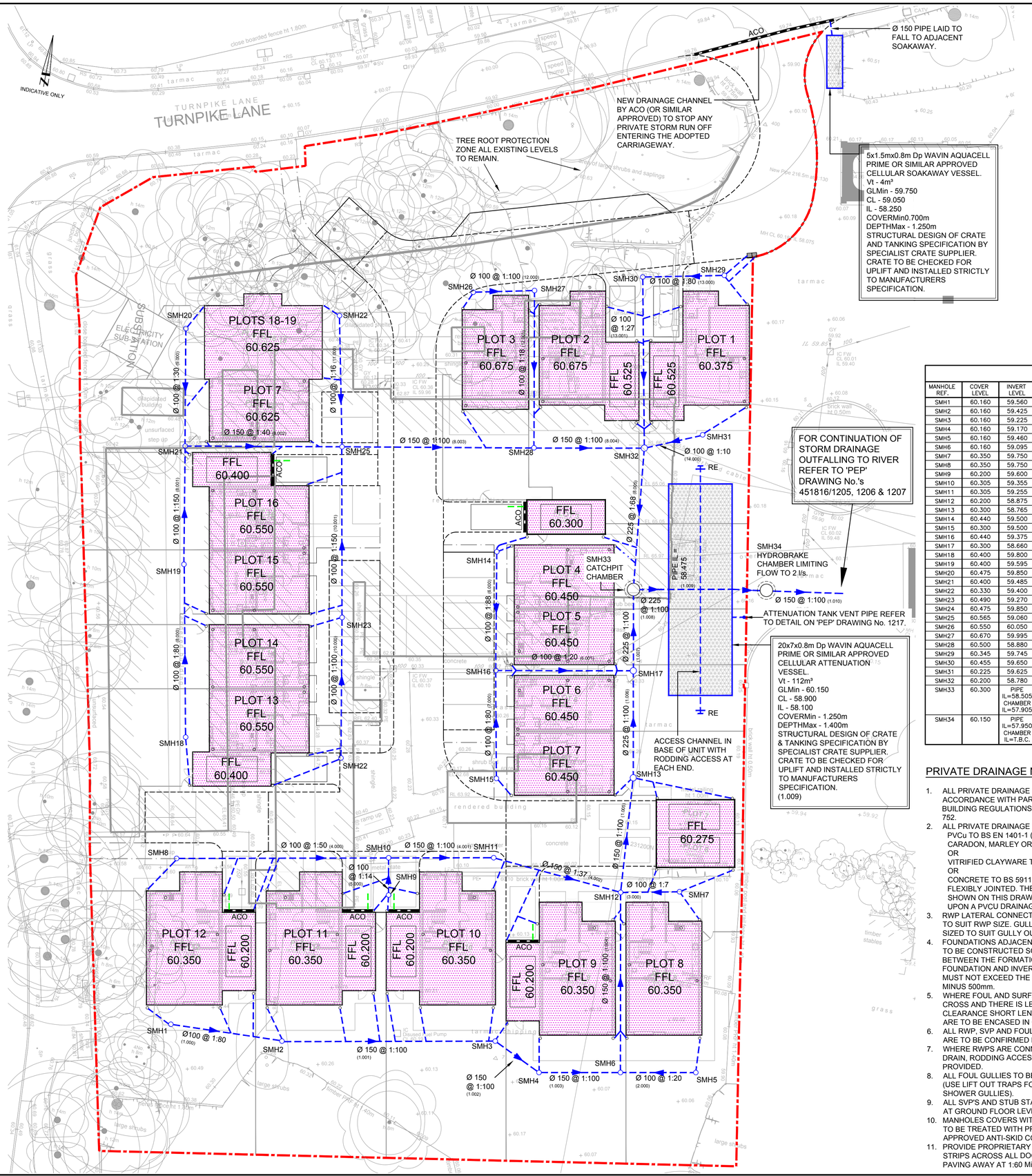

PROPOSED PRIVATE DRAINAGE:

PRIVATE STORM DRAINAGE

PRIVATE STORM LAND DRAINAGE, 1000mm LENGTH OF 150Ø PERFORATED PIPE WRAPPED IN TERRAM GEOTEXTILE ALLOWING WATER TO DISCHARGE INTO ADJACENT PERMEABLE BLOCK PAVED SUB BASE.

PRIVATE ROAD GULLY

PRIVATE 450Ø POLYPROP INSPECTION CHAMBER (PIC)

PRIVATE PRE CAST CONCRETE RING CHAMBER

WAVIN AQUACELL CELLULAR CRATE SYSTEM, SEE PLAN FOR TYPE (SOAKAWAY OR ATTENUATION TANK).

DRAINAGE CHANNEL (ACO OR SIMILAR APPROVED)

RODDING EYE

ACO

RE

REFER TO PEP DWG No. 451816 1215 FOR FOUL DRAINAGE LAYOUT.

REFER TO PEP DWG No. 451816 1217 FOR DRAINAGE CONSTRUCTION DETAILS.

GENERAL NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DETAILS, DRAWINGS, SPECIFICATIONS, REPORTS AND OTHER DOCUMENTS ISSUED BY THE ARCHITECT AND OTHER DESIGN TEAM MEMBERS.
2. REPORT ANY DISCREPANCIES IMMEDIATELY AND AWAIT FURTHER INSTRUCTIONS BEFORE PROCEEDING WITH ANY ASSOCIATED CONSTRUCTION WORKS. IF A DETAIL APPEARS UNCLEAR, OR THERE IS ANY DOUBT, THEN CONTACT PEP FOR FURTHER ADVICE.
3. CONTRACTORS ARE NOT TO WORK TO THIS DRAWING UNLESS IT IS AT 'FOR CONSTRUCTION' STATUS, AS THE DESIGN MAY NOT HAVE BEEN FINALISED.
4. DO NOT SCALE FROM THIS DRAWING. WORK TO GIVEN DIMENSIONS ONLY.

STORM MANHOLE SCHEDULE

MANHOLE REF.	COVER LEVEL	INVERT LEVEL	DEPTH	MANHOLE CONSTRUCTION	BS EN124 COVER CLASS	COVER SIZE	COMMENTS
SMH1	60.160	59.560	600	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH2	60.160	59.425	735	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH3	60.160	59.225	935	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH4	60.160	59.170	990	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH5	60.160	59.460	700	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH6	60.160	59.095	1065	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH7	60.350	59.750	600	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH8	60.350	59.750	600	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH9	60.200	59.600	600	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH10	60.305	59.355	950	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH11	60.305	59.255	1050	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH12	60.200	58.875	1325	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	300x300	RESTRICTED ACCESS
SMH13	60.300	58.765	1535	600ø POLYPROPYLENE INSPECTION CHAMBER	A15	300x300	RESTRICTED ACCESS
SMH14	60.440	59.500	940	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH15	60.300	59.500	800	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH16	60.440	59.375	1065	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH17	60.300	58.660	1640	600ø POLYPROPYLENE INSPECTION CHAMBER	A15	300x300	RESTRICTED ACCESS
SMH18	60.400	59.800	600	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH19	60.400	59.595	805	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH20	60.475	59.850	625	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH21	60.400	59.485	915	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH22	60.330	59.400	930	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH23	60.490	59.270	1220	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	300x300	RESTRICTED ACCESS
SMH24	60.475	59.850	625	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH25	60.565	59.060	1505	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	300x300	RESTRICTED ACCESS
SMH26	60.550	60.050	500	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH27	60.670	59.995	675	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH28	60.500	58.880	1620	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	300x300	RESTRICTED ACCESS
SMH29	60.345	59.745	600	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH30	60.455	59.650	805	450ø POLYPROPYLENE INSPECTION CHAMBER	B125	450ø	
SMH31	60.225	59.625	600	450ø POLYPROPYLENE INSPECTION CHAMBER	A15	450ø	
SMH32	60.220	58.780	1420	600ø POLYPROPYLENE INSPECTION CHAMBER	A15	300x300	RESTRICTED ACCESS
SMH33	60.300	PIPE IL=58.505 CHAMBER IL=57.905	2395	1200ø PRECAST CONCRETE RINGS	A15	750x675	CATCHPIT MANHOLE WITH 600mm SUMP
SMH34	60.150	PIPE IL=57.950 CHAMBER IL=T.B.C.	T.B.C.	1200ø PRECAST CONCRETE RINGS	D400	600x600	HYDROBRAKE CHAMBER LIMITING FLOW TO 2 l/s. SUPPLIER TO CONFIRM REQUIRED CHAMBER DEPTH.

PRIVATE DRAINAGE NOTES:

1. ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH PART H OF THE CURRENT BUILDING REGULATIONS AND BS 8301 / BS EN 752.
2. ALL PRIVATE DRAINAGE TO BE EITHER:-
   PVCu TO BS EN 1401-1 (BS 4660/5481) CARADON, MARLEY OR SIMILAR.
   OR
   VITRIFIED CLAYWARE TO BS 65 AND BS EN 295.
   OR
   CONCRETE TO BS 5911-1 & BS EN 1916 FLEXIBLY JOINTED. THE DRAINAGE DESIGN SHOWN ON THIS DRAWING HAS BEEN BASED UPON A PVCU DRAINAGE SYSTEM.
3. RWP LATERAL CONNECTIONS ARE TO BE SIZED TO SUIT RWP SIZE. GULLY LATERALS TO BE SIZED TO SUIT GULLY OUTLETS.
4. FOUNDATIONS ADJACENT TO DRAIN RUNS ARE TO BE CONSTRUCTED SO THAT THE DIFFERENCE BETWEEN THE FORMATION LEVEL OF THE FOUNDATION AND INVERT LEVEL OF ANY DRAIN MUST NOT EXCEED THE HORIZONTAL DISTANCE MINUS 500mm.
5. WHERE FOUL AND SURFACE WATER SEWERS CROSS AND THERE IS LESS THAN 100mm CLEARANCE SHORT LENGTHS OF BOTH RUNS ARE TO BE ENCASED IN CONCRETE.
6. ALL RWP, SVP AND FOUL DRAINAGE POSITIONS ARE TO BE CONFIRMED BY THE ARCHITECT.
7. WHERE RWPS ARE CONNECTED DIRECT TO DRAIN, RODDING ACCESS PLATES ARE TO BE PROVIDED.
8. ALL FOUL GULLIES TO BE TRAPPED & RODDABLE (USE LIFT OUT TRAPS FOR GROUND FLOOR SHOWER GULLIES).
9. ALL SVP'S AND STUB STACKS TO BE RODDABLE AT GROUND FLOOR LEVEL.
10. MANHOLES COVERS WITHIN VEHICULAR AREAS TO BE TREATED WITH PRIMARK OR SIMILAR APPROVED ANTI-SKID COATING.
11. PROVIDE PROPRIETARY THRESHOLD DRAINAGE STRIPS ACROSS ALL DOOR OPENINGS AND FALL PAVING AWAY AT 1:60 Min.

ADDITIONAL NOTES:

1. ANY DRAINAGE ROOT BARRIER REQUIREMENTS TO BE CONFIRMED BY LANDSCAPE ARCHITECT.
2. PROPOSED PIPEWORK ADOPTION REQUIREMENTS, DETAILS & EXTENTS SUBJECT TO DISCUSSIONS/AGREEMENT WITH ANGLIAN WATER UTILITIES.
3. PRIOR TO GRUBBING OUT ANY EXISTING DRAINAGE AND STAT UTILITIES THEY ARE TO BE CONFIRMED AS REDUNDANT.

THE PROPOSED SCHEME AS SHOWN ON THIS DRAWING IS STILL SUBJECT TO DESIGN DEVELOPMENT, AND IS AS COMPLETE AS IS POSSIBLE/PRACTICAL AT THE DATE OF ISSUE BUT MAY BE SUBJECT TO CHANGE.

REV	BY	CHK	AMENDMENTS	DATE
P01.3	PG	GR	PIPE DIAMETER REVISED TO PIPE Nos 1.001 to 1.004, 1.006, 1.007, 4.001, 4.002, 8.001, 8.002, 8.005 AND 10.001. CHAMBERS SMH13, 17 AND 32 REVISED. ACCESS BELLMOUTH SOAKAWAY REVISED.	09.02.18
P01.2	PG	GR	FFL REVISED TO PLOTS 8, 9, 12 & 17-19, STORM DRAINAGE REVISED TO SUIT. ALL IN ACCORDANCE WITH JARVIS REQUIREMENTS.	07.02.18

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Jarvis
Homes of Distinction

PROJECT
ICKLEFORD MANOR
TURNPIKE LANE
ICKLEFORD, HERTFORDSHIRE

TITLE
PRIVATE STORM DRAINAGE LAYOUT

DRAWN	CHECKED	APPROVED
PG	GR	GR
SCALE	ORIGINAL PAPER SIZE	FIRST ISSUE DATE
1:200	A1	29.01.2018

PROJECT ORIGINATOR VOLUME LEVEL TYPE ROLE NUMBER
451816 - PEP - 00 - XX - DR - D - 1216

STATUS	SUITABILITY DESCRIPTION
D2	SUITABLE FOR TENDER
REVISION	REVISION DESCRIPTION
P01.3	PRELIMINARY

PEP PROJECT REF.
451816

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