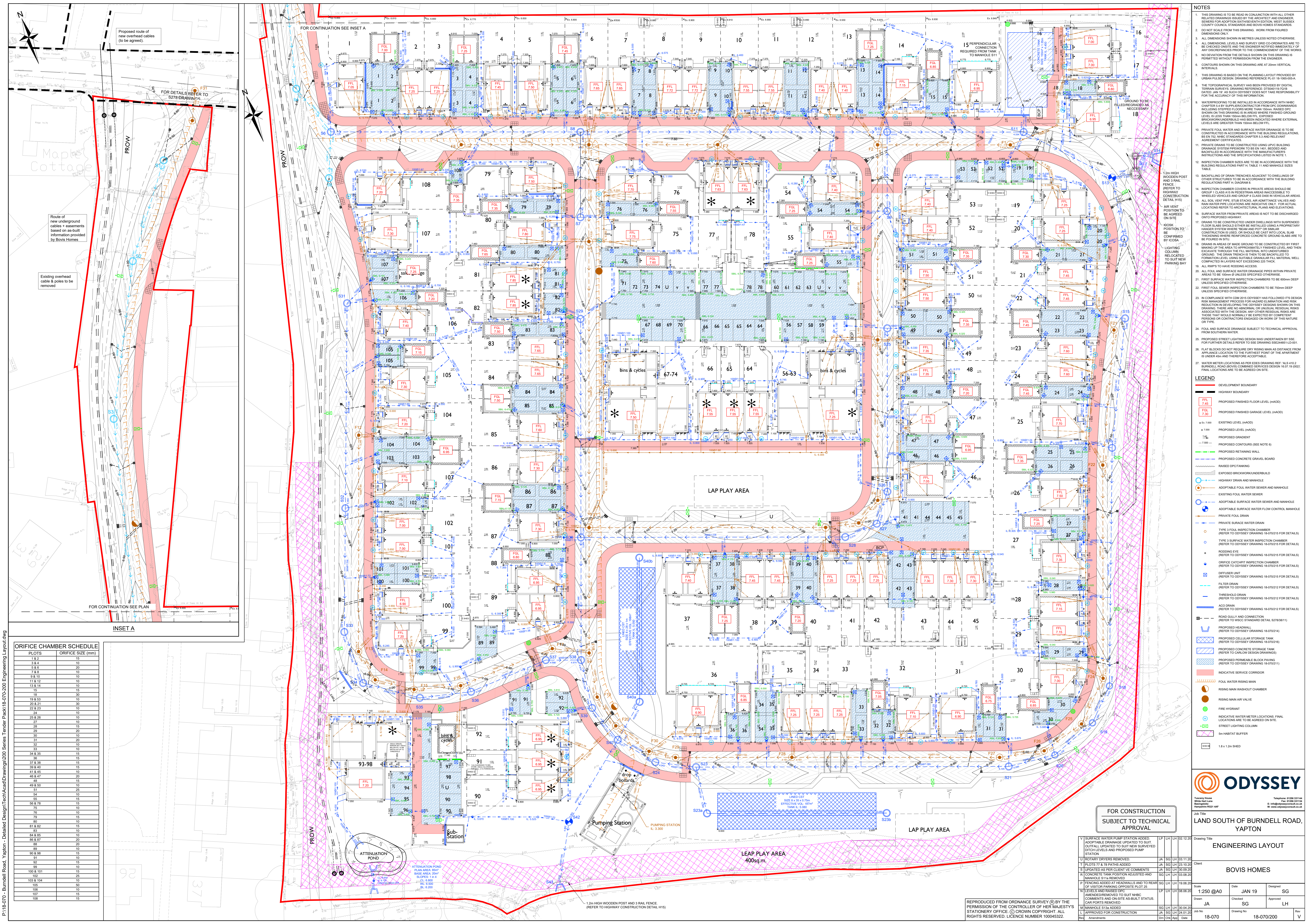




ORIFICE CHAMBER SCHEDULE	
PLOTS	ORIFICE SIZE (mm)
1 & 2	15
3 & 4	15
5 & 6	20
7 & 8	15
9 & 10	15
11 & 12	15
13 & 14	15
15	15
16 & 17	30
18 & 19	30
20 & 21	30
22 & 23	15
24	15
25 & 26	15
27	15
28	15
29	15
30	15
31	20
32	15
33	15
34 & 35	15
36	15
37 & 38	15
39 & 40	15
41 & 42	15
43 & 44	20
45	15
46 & 47	20
48	15
49 & 50	15
51	25
52	15
53	15
54 & 55	15
56 & 57	15
58	15
59	15
60 & 61	15
62 & 63	15
64	15
65 & 66	15
67	15
68	15
69	15
70	15
71	15
72	15
73 & 74	15
75	15
76 & 77	15
78	15
79	15
80	15
81 & 82	15
83 & 84	15
85	15
86 & 87	20
88	15
89	15
90 & 91	15
92	15
93	15
94	15
95	15
96	15
97	15
98	15
99 & 100	15
101	15
102	25
103 & 104	15
105	15
106	15
107	15
108	15

NOTES

- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS ISSUED BY THE ARCHITECT AND ENGINEER. REVIEW FOR ADOPTION IN THE NORTH EDITION, WEST SUBSECT COUNTY COUNCIL STANDARDS AND BOVIS HOMES STANDARDS.
- DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS SHOWN IN METRES UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS TO BE CHECKED ON SITE AND NOTED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORK.
- NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT THE PERMISSION OF THE ENGINEER.
- CONTOURS SHOWN ON THIS DRAWING ARE AT 20mm VERTICAL INTERVALS.
- THIS DRAWING IS BASED ON THE PLANNING LAYOUT PROVIDED BY URBAN FULFILL DESIGN. DRAWING REFERENCE FUL-18-000000.
- THE TOPOGRAPHICAL SURVEY HAS BEEN PROVIDED BY DIGITAL TERRAIN SURVEYS. DRAWING REFERENCE DT000119-018. DRAWING JAN 19. AS SUCH CORRECTED FOR THE ACCURACY OF THE SURVEY.
- THE DRAWING IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BRICKWORK UNDERBUILD HAS BEEN INDICATED WHERE EXTERNAL LEVELS ARE GREATER THAN THE FINISHED FLOOR LEVEL.
- PRIVATE FOU, WATER AND SURFACE WATER DRAINAGE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS, BS EN 752, WBS STANDARDS CHAPTERS 3.1 AND 3.2 AND RELEVANT AGREEMENT CERTIFICATES.
- THE DRAWING IS TO BE CONSTRUCTED USING UPVC BUILDING DRAINAGE SYSTEMS TO BS EN 1401. BEDDED AND BACKFILL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE SPECIFICATIONS LISTED IN NOTE 1.
- INSPECTION CHAMBER SIZES ARE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART 1, TABLE 1 AND MANHOLE SIZES TABLE.
- BACKFILLING OF DRAM TRENCHES ADJACENT TO DWELLINGS OF OTHER BUILDINGS TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART 1, TABLE 1 AND MANHOLE SIZES TABLE.
- INSPECTION CHAMBERS COVERS IN PRIVATE AREAS SHOULD BE GROUP 1 CLASS A15 IN PEDESTRIAN AREAS INACCESSIBLE TO WHEELCHAIRS AND GROUP 1 CLASS A15 IN VEHICULAR AREAS.
- ALL SOIL VENT PIPE, STUB STACKS, AIR ADMITTANCE VALVES AND RAIN WATER PIPE LOCATIONS ARE INDICATIVE ONLY. FOR ACTUAL LOCATIONS REFER TO ARCHITECTURAL PLANS AND ELEVATIONS.
- SURFACE WATER FROM PRIVATE AREAS IS NOT TO BE DISCHARGED ONTO PROPOSED HIGHWAY.
- DRAINS TO BE CONSTRUCTED UNDER DWELLINGS WITH SUSPENDED FLOOR SLABS SHOULD EITHER BE INSTALLED USING A PROPRIETARY HANGER SYSTEM WHERE UNDER SLABS AND NOT ON EXISTING CONSTRUCTION IS USED, OR SHOULD BE CAST INTO LOCAL CONCRETE. THE DRAIN TRENCH IS THEN TO BE BACKFILLED TO FORMATION LEVEL USING SUB-BOTTOM DRAINAGE FILL MATERIAL. WELL COMPACTED IN LAYERS NOT EXCEEDING 225 THICK.
- ALL RAINPITS TO HAVE ROOFING ACCESS.
- ALL FOU, AND SURFACE WATER DRAINAGE PIPES WITH PRIVATE AREAS TO BE 150mm UNLESS SPECIFIED OTHERWISE.
- FIRST SURFACE WATER INSPECTION CHAMBERS TO BE 800mm DEEP UNLESS SPECIFIED OTHERWISE.
- FIRST FOU, SEWER INSPECTION CHAMBERS TO BE 750mm DEEP UNLESS SPECIFIED OTHERWISE.
- IN COMPLIANCE WITH COM 2015 ODYSSEY HAS FOLLOWED ITS DESIGN RISK MANAGEMENT PROCESS FOR HAZARD ELIMINATION AND RISK REDUCTION IN DEVELOPING THE ODYSSEY DESIGN SHOWN ON THIS DRAWING. THERE ARE NO SIGNIFICANT, OR UNUSUAL, RESIDUAL RISKS ASSOCIATED WITH THE DESIGN SHOWN ON THIS DRAWING. RESIDUAL RISKS THAT WOULD NORMALLY BE EXPECTED BY COMPETENT PERSONS OR CONTRACTORS ENGAGED ON WORK OF THIS NATURE OR TYPE.
- FOU, AND SURFACE DRAINAGE SUBJECT TO TECHNICAL APPROVAL FROM SOUTHERN WATER.
- PROPOSED STREET LIGHTING DESIGN WAS UNDERTAKEN BY SWE FOR FURTHER DETAILS REFER TO SWE DRAWING SWE24485-1-001.
- FLAT FLOORS DO NOT REQUIRE DRY RISING MAIN AS DISTANCE FROM APPLIANCE LOCATION TO THE FURTHER POINT OF THE APARTMENT IS UNDER 45m AND THEREFORE ACCEPTABLE.
- WATER METER LOCATIONS AS PER DESIGNS DRAWING REF: A15 410.2 BURNELL ROAD (BOVIS) COMBINED SERVICES DESIGN 18-070-0002. FINAL LOCATIONS ARE TO BE AGREED ON SITE.

LEGEND

- DEVELOPMENT BOUNDARY
- HIGHWAY BOUNDARY
- PROPOSED FINISHED FLOOR LEVEL (HACD)
- PROPOSED FINISHED GRADE LEVEL (HACD)
- EXISTING LEVEL (HACD)
- PROPOSED LEVEL (HACD)
- PROPOSED GRADIENT
- PROPOSED CONTOURS (SEE NOTE 6)
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE GRAVEL BOARD
- RAISED DRAINAGE
- EXPOSED BRICKWORK UNDERBUILD
- HIGHWAY DRAIN AND MANHOLE
- ADAPTABLE FOU, WATER SEWER AND MANHOLE
- EXISTING FOU, WATER SEWER
- ADAPTABLE SURFACE WATER SEWER AND MANHOLE
- ADAPTABLE SURFACE WATER FLOW CONTROL MANHOLE
- PRIVATE FOU, DRAIN
- PRIVATE SURFACE WATER DRAIN
- TYPE 1 FOU, INSPECTION CHAMBER (REFER TO ODYSSEY DRAWING 18-070215 FOR DETAILS)
- TYPE 2 SURFACE WATER INSPECTION CHAMBER (REFER TO ODYSSEY DRAWING 18-070215 FOR DETAILS)
- ROOFING EYE (REFER TO ODYSSEY DRAWING 18-070215 FOR DETAILS)
- ORIFICE CATCHMENT INSPECTION CHAMBER (REFER TO ODYSSEY DRAWING 18-070215 FOR DETAILS)
- DIFFUSER UNIT (REFER TO ODYSSEY DRAWING 18-070215 FOR DETAILS)
- FILTER DRAIN (REFER TO ODYSSEY DRAWING 18-070212 FOR DETAILS)
- THRESHOLD DRAIN (REFER TO ODYSSEY DRAWING 18-070212 FOR DETAILS)
- ADD DRAIN (REFER TO ODYSSEY DRAWING 18-070212 FOR DETAILS)
- ROAD GULLY AND CONNECTION (REFER TO WIS/STANDARD DETAIL 527030/11)
- PROPOSED HEADWALL (REFER TO ODYSSEY DRAWING 18-070214)
- PROPOSED CELLULAR STORAGE TANK (REFER TO ODYSSEY DRAWING 18-070206)
- PROPOSED CONCRETE STORAGE TANK (REFER TO CARLOW DESIGN DRAWINGS)
- PROPOSED PERMEABLE BLOCK PAVING (REFER TO ODYSSEY DRAWING 18-070211)
- INDICATIVE SERVICE CORRIDOR
- FOU, WATER RISING MAIN
- RISING MAIN WASHOUT CHAMBER
- RISING MAIN AIR VALVE
- FIRE HYDRANT
- INDICATIVE WATER METER LOCATIONS. FINAL LOCATIONS ARE TO BE AGREED ON SITE.
- STREET LIGHTING COLUMN
- 5m HABITAT BUFFER
- 1.8 x 1.2m SHED

FOR CONSTRUCTION SUBJECT TO TECHNICAL APPROVAL

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1.2m HIGH WOODEN POST AND 3 RAIL FENCE. (REFER TO HIGHWAY CONSTRUCTION DETAIL H15)

ATTENUATION POND

LEAP PLAY AREA 400sq.m.

PUMPING STATION

LEAP PLAY AREA

ODYSSEY

Telephone: 01282 331144
Email: info@odysseyconsult.co.uk
Website: www.odysseyconsult.co.uk

Job Title: **LAND SOUTH OF BURNELL ROAD, YAPTON**

Client: **BOVIS HOMES**

Scale: 1:250 @A0

Date: JAN 19

Designed: SG

Checked: SG

Approved: LH

Rev: V

18-070 Drawing No: 18-070/200

ENGINEERING LAYOUT

Y	SURFACE WATER PUMP STATION ADDED. ADAPTABLE DRAINAGE UPDATED TO SUIT. OUTFALL UPDATED TO SUIT NEW SURVEYED PITCH LEVELS AND PROPOSED PUMP STATION.	LP	LH	02.12.20
Z	ROTARY GARDENS REMOVED	JA	SG	18.11.20
P	PLOTS 77 & 78 PATHS ADDED	JA	SG	23.10.20
S	UPDATES AS PER CLIENT VE COMMENTS	JA	SG	30.09.20
R	CONCRETE TANK POSITION ADJUSTED AND MANHOLE S11a REMOVED	SG	LH	03.08.20
F	FENCING ADDED AT HEADWALLS AND TO REAR OF VISITOR PARKING OPPOSITE PLOT 25.	SG	LH	19.06.20
N	LEVELS AND RAISED DRAINAGE AMENDED TO SUIT NHBC COMMENTS AND ON-SITE AS-BUILT STATUS. CAR PARKS RE-DESIGNED	UP	LH	08.06.20
L	MANHOLE S11a ADDED	SG	LH	30.04.20
M	APPROVED FOR CONSTRUCTION	JA	SG	24.01.21
A	Amendments	DM	App	Date