20m x 3m x 0.4m DEEP
(INFILTRATION BLANKET 3 - CRATES)
IL 6.199, TL 6.599, CL 6.899
PLOT 15-17

20m x 4m x 0.4m DEEP
(INFILTRATION BLANKET 2 - CRATES)
IL 6.199, TL 6.599, CL 6.899
PLOTS 5-8

ROOF INTO INFILTRATION BLANKET 2
210m² (inc. 10% CREEP)

ROOF INTO INFILTRATION BLANKET 1
100m² (inc. 10% CREEP)

11m x 3m x 0.4m DEEP
(INFILTRATION BLANKET 1 - CRATES)
IL 5.720, TL 6.120, CL 6.650
PLOTS 3 & 4

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP'S TO DISCHARGE ONTO DRAINAGE CHANNEL

ALL RWP'S TO DISCHARGE ONTO DRAINAGE CHANNEL

START OF ACO M100D 10.0

START OF ACO M100D 20.0

FWMH 8701
CL 5.950
IL OUT 4.150
150mm DIA OUT

FWMH 8702
CL 5.750
IL IN 3.810
IL OUT 3.800
150mm DIA OUT

IL OUT 3.917
150mm DIA OUT
(IL INTERPOLATED
ONLY - TBC BEFORE
WORKS)

26.9m DOWNSTREAM TO EXISTING FOUL WATER PUBLIC MH 8702

46.4m UPSTREAM TO EXISTING FOUL WATER PUBLIC MH 8701

CONNECTION FROM THE TEMPORARY SALES AREA IL 6.750

FOR CONTINUATION REFER TO SHEET 2 OF 6

NOTES

1. IN COMPLIANCE WITH CDM 2015 ODYSSEY HAS FOLLOWED IT'S DESIGN RISK MANAGEMENT PROCESS FOR HAZARD ELIMINATION AND RISK REDUCTION IN DEVELOPING THE ODYSSEY DESIGNS SHOWN ON THIS DRAWING. THERE ARE NO ABNORMAL OR UNUSUAL RESIDUAL RISKS ASSOCIATED WITH THE DESIGN. ANY OTHER RESIDUAL RISKS ARE THOSE THAT WOULD NORMALLY BE EXPECTED BY COMPETENT PERSONS OR CONTRACTORS ENGAGED ON WORK OF THIS NATURE OR TYPE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS ISSUED BY THE ARCHITECT AND ENGINEER.
3. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
4. EXISTING DRAINAGE FEATURES AND GROUND LEVELS (SHOWN TO AN ORDNANCE DATUM) ARE BASED ON THE MK SURVEYS TOPOGRAPHICAL SURVEY - DWG NO. 26714 DATED MARCH 2019. ODYSSEY ASSUMES NO RESPONSIBILITY ON THE LEVEL OF ACCURACY OF SURVEY INFORMATION PROVIDED.
5. ALL DIMENSIONS SHOWN IN METRES UNLESS NOTED OTHERWISE.
6. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ONSITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
7. SURFACE WATER FROM PRIVATE AREAS IS NOT TO BE DISCHARGED ONTO ADOPTABLE HIGHWAY, I.E. PERMEABLE PAVING OR DRAINAGE CHANNELS WILL INTERCEPT FLOWS FROM PRIVATE AREAS AND CONNECT INTO THE PRIVATE OR S104 ADOPTABLE SYSTEM.
8. PRIVATE INSPECTION CHAMBER SIZES ARE TO BE IN ACCORDANCE WITH THE NHBC STANDARDS SECTION 5.3, TABLES 3 AND 4 OR WHERE APPLICABLE BUILDING REGULATIONS PART H; TABLE 11 AND TABLE 12.
9. ALL CHAMBERS DIRECTLY UPSTREAM OF INFILTRATION FEATURES TO INCORPORATE SILT TRAP AND NO PIPE TO BE CONNECTED DIRECTLY TO INFILTRATION FEATURE WITHOUT PASSING THROUGH SILT TRAP.
10. ALL RWP'S TO HAVE RODDING ACCESS.
11. ALL FOUL AND SURFACE WATER DRAINAGE PIPES TO BE 100mm Ø WITH MINIMUM GRADIENTS OF 1/80 AND 1/100 RESPECTIVELY UNLESS SPECIFIED OTHERWISE.
12. IT IS ASSUMED THAT THE INVERT OF THE TAIL OF THE BEND AT THE FOOT OF THE STACK WILL BE 0.45m BELOW FFL FOR ALL SINGLE DWELLINGS. FOR BLOCK OF FLATS THIS IS ASSUMED TO BE 0.75m BELOW FFL.
13. IT IS ASSUMED THAT ANY BRANCH DISCHARGE PIPE FOR SINGLE DWELLINGS WILL NOT DISCHARGE INTO A STACK LOWER THAN 450mm ABOVE THE INVERT OF THE TAIL OF THE BEND AT THE FOOT OF THE STACK. FOR BLOCK OF FLATS THIS IS ASSUMED TO BE 750mm.
14. SECTION 106 FOR FOUL WATER CONNECTION OBTAINED FROM SOUTHERN WATER ON 20-08-2020.
15. ANY ADOPTABLE S104 DRAINAGE WORKS TO BE CARRIED IN ACCORDANCE WITH THE SEWERAGE SECTOR GUIDANCE AND DESIGN AND CONSTRUCTION GUIDANCE.
16. ALL DRAINAGE TESTING REQUIRED IS TO BE CARRIED OUT AT THE CONTRACTORS EXPENSE.
17. DRAINS IN AREAS OF MADE GROUND TO BE CONSTRUCTED BY FIRST MAKING UP THE AREA TO APPROXIMATELY FINISHED LEVEL AND THEN EXCAVATE THROUGH THE FILL MATERIAL INTO UNDISTURBED GROUND. THE DRAIN TRENCH IS THEN TO BE BACKFILLED TO FORMATION LEVEL USING SUITABLE GRANULAR FILL MATERIAL WELL COMPACTED IN LAYERS NOT EXCEEDING 225 THICK.
18. IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
19. CONTRACTOR TO SURVEY FOR AND LOCATE THE POSITION AND DEPTH OF ALL SERVICES ACROSS THE SITE BEFORE COMMENCING ANY WORKS.
20. STATUTORY SERVICE DIVERSION WORKS - IF DEEMED NECESSARY - TO BE AGREED WITH THE APPROPRIATE STATUTORY UNDERTAKER.
21. ALL TOPSOIL STRIPPED FOR RE-USE ON VERGES ETC. TO BE STOCKPILED AT A LOCATION TO BE AGREED WITH THE ENGINEER.
22. FOR PIPES WHERE MINIMUM COVER IN ACCORDANCE WITH BUILDING REGULATIONS PART H TABLES 8 TO 10 IS NOT MET CONCRETE SLAB / CONCRETE SURROUND PROTECTION MUST BE ADDED OR DUCTILE IRON PIPES USED.

DRAINAGE KEY

- FWMH - EXISTING PUBLIC FOUL WATER MANHOLE
- FWMH - PUBLIC FOUL WATER MANHOLE UNDER SECTION 104
- FWMH - PRIVATE FOUL WATER MANHOLE (PCC RINGS) - MIN 1.2m DIA
- FW-IC3 - PRIVATE FOUL WATER INSPECTION CHAMBER - MIN 0.45m DIA
- FW-IC4 - PRIVATE FOUL WATER INSPECTION CHAMBER - MIN 0.25m DIA
- SWMH - PRIVATE SURFACE WATER MANHOLE (PCC RINGS / BRICKWORK)
- SW-IC3 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.6m DIA
- SW-IC3 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.75m x 0.60m
- SW-IC3 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.45m DIA
- SW-IC4 - PRIVATE SURFACE WATER INSPECTION CHAMBER - MIN 0.25m DIA
- RODDING EYE
- EXISTING PUBLIC FOUL WATER SEWER
- FW RISING MAIN
- PUBLIC FOUL WATER SEWER
- FOUL WATER LATERAL
- PRIVATE FOUL WATER DRAINAGE
- PRIVATE SURFACE WATER DRAINAGE
- SURFACE WATER DRAINAGE CHANNEL (I.E ACO M100D 0.0 OR SIMILAR APPROVED)
- SW CHAMBER WITH MINIMUM 300mm DEEP SILT TRAP
- CONNECTION CHAMBER INTO GEOCELLULAR UNITS - 450mm x 450mm CHAMBER
- INFILTRATION BLANKET
- PERVIOUS PAVING
- PERVIOUS PAVING WITH 235mm THICK LAYER OF GEOCELLULAR UNITS
- FFL 7.250 PROPOSED FINISHED FLOOR LEVEL
- 6.550 PROPOSED FINISHED SURFACE LEVEL
- INDICATIVE LIGHTING COLUMN POSITION - TO BE ADJUSTED AT DETAILED LIGHTING DESIGN

KEY PLAN
(SCALE 1:5000)

CONSTRUCTION ISSUE

Rev	Amendments	Drn	Chk	App	Date
C5	MINOR UPDATES TO SW SYSTEM (PLOTS 23-32) FOLLOWING ARUN DC REQUIREMENTS	AK	SW	SW	25.03.21
C4	MINOR UPDATES FOLLOWING SITE LAYOUT UPDATES	AK	SW	SW	22.03.21
C3	MINOR UPDATES TO ADDRESS CLIENT'S COMMENTS	AK	SW	SW	15.03.21
C2	AMENDMENTS AS PER ARUN DC REQUIREMENTS	AK	SW	SW	04.03.21
C1	CHANGES TO PLOT DRAINAGE. DRAWING STATUS REVISED TO CONSTRUCTION ISSUE	AK	SW	SW	25.02.21
T5	DRAINAGE LAYOUT UPDATED	AK	SW	SW	25.02.21
T4	BELLMOUTH ACCESS CONTOURS UPDATED	AK	SW	SW	05.02.21
T3	CHAMBER NUMBERS ADDED	AK	SW	SW	04.02.21

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Job Title
LAND AT STAKERS FARM, YAPTON

Drawing Title
DRAINAGE LAYOUT - PLOTS 1-23 & 33-38
38 UNIT SITE - SHEET 1 OF 6

Client
DANDARA LIMITED (SOUTHERN)

Scale	Date	Designed
1:200 @ A1	SEP 20	AK
Drawn	Checked	Approved
JK	AK	SW
Job No	Drawing No	Rev
19-156	YAP-130-081	C5

N:\19-156 - Land at Stakers Farm, Yapton\Tech\Acad\Drawings\Detailed Design\YAP-130-081 Drainage Layout Sheet 1 of 6.dwg

ARUN DISTRICT COUNCIL Y/15/21/DOC