



PERVIOUS SECTION 'HARD BOUNDARY' NOT ALLOWING FORWARD FLOWS.
'HARD BOUNDARY' CONSTRUCTED AS WEIR ACROSS GRANULAR SUB-BASE
FULL DEPTH. INDICATES SEPARATE PERVIOUS PAVING SECTION
MODELLED IN MICRODRAINAGE

INDICATES SEPARATE PERVIOUS PAVING SECTION
MODELLED IN MICRODRAINAGE WITH NO 'WEIR' OR 'HARD
BOUNDARY'

INTENDED SUB-SURFACE SURFACE WATER FLOW WITHIN
PERVIOUS PAVEMENT SUB-BASE

INFILTRATION BLANKET SERVING 70 UNITS SCHEME OVERLAPS THE
RED-LINE BOUNDARY WITH THE 38 UNITS SCHEME.
INFILTRATION SITES AND SCHEMES ARE BEING PROMOTED BY
UNDER CONTROL OF THE SAME DEVELOPER (DANDARA)
DURING CONSTRUCTION OF INFILTRATION BASIN ACROSS
RED-LINE BOUNDARIES

SITE UNDER SEPARATE
PLANNING APPLICATION
REFER TO DRAWING YAP-130-22



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
- DIRECT CONNECTION INTO PERMAVOID UNITS VIA SADDLE CONNECTION OR DIFFUSER UNIT PVD05202 (2130mm x 355mm x300mm DEEP)
- INFILTRATION BLANKET
- PERVIOUS PAVING
- PERVIOUS PAVING WITH 235mm THICK LAYER OF GEOCELLULAR UNITS
- F.F.L 7.250 PROPOSED FINISHED FLOOR LEVEL

DRAINAGE DESIGN SHOWN
SUBJECT TO APPROVAL FROM
THE LEAD LOCAL FLOOD
AUTHORITY AND LOCAL
PLANNING AUTHORITY

ALL HARD SURFACES,
ROADS, PARKING AREAS,
FOOTWAYS AND SIMILAR TO
BE DRAINED TO PERVIOUS
PAVING SUB-BASE.

ALL ROADS ARE TO REMAIN
AS PRIVATE

MATERIALS FOR PIPES TO
COMPLY WITH PARAGRAPH
2.40, TABLE 7 OF THE
APPROVED DOCUMENT 'H'
OF THE BUILDING
REGULATIONS 2010 (2015
EDITION) OR AS SPECIFIED
ON THE DRAINAGE LAYOUT.
UNLESS NOTED OTHERWISE,
ALL PIPEWORK <300mm DIA.
TO BE PVC-U TO WIS 4-35-01.
PIPEWORK >300mm TO BE
CONCRETE.

KEY TO HEALTH AND SAFETY SYMBOLS

- ABNORMAL OR UNUSUAL RESIDUAL RISKS ASSOCIATED WITH THE DESIGN OUTCOMES SHOWN ON THIS DRAWING MAYBE INDICATED BY MEANS OF THE FOLLOWING SYMBOLS.
- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION.
- INDICATES A RESIDUAL RISK FOR INFORMATION.
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION.
- INDICATES A RESIDUAL RISK AS A WARNING.

NOTES

- THIS DRAWING IS NOT SUITABLE FOR CONSTRUCTION AND MUST ONLY BE USED FOR PLANNING PURPOSES.
- DRAINAGE PLAN SHOWN ON THIS DRAWING REPRESENTS THE PRINCIPLES ONLY AND IS SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE FOLLOWING DETAILED PLANS OF HOUSES, POSITION OF SVPS, RWP'S, ETC.
- 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. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS ISSUED BY THE ARCHITECT AND ENGINEER.
- DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
- 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.
- ALL DIMENSIONS SHOWN IN METRES UNLESS NOTED OTHERWISE.
- 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.
- ALL FFL, RL AND GL ARE FOR GUIDANCE ONLY AND ARE SUBJECT TO CHANGE AT THE DETAILED DESIGN STAGE, I.E. TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING REGULATIONS PART 'M'.
- SURFACE WATER FROM PRIVATE AREAS IS NOT TO BE DISCHARGED ONTO ADAPTABLE HIGHWAY, I.E. DRAINAGE CHANNELS WILL INTERCEPT FLOWS FROM PRIVATE AREAS AND CONNECT INTO THE PRIVATE OR S104 ADAPTABLE SYSTEM.
- PRIVATE INSPECTION CHAMBER SIZES ARE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART H; TABLE 11 AND MANHOLE SIZES TABLE 12.
- 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.
- ALL RWP'S TO HAVE RODDING ACCESS.
- ALL FOUL AND SURFACE WATER DRAINAGE PIPES WITHIN PRIVATE AREAS TO BE 100mm Ø UNLESS SPECIFIED OTHERWISE.
- FOUL WATER CONNECTION INTO PUBLIC SEWERAGE SYSTEM SHOWN INDICATIVELY ONLY. FORMAL SECTION 106 APPLICATION AND PRIOR APPROVAL MUST BE SOUGHT BEFORE ANY CONNECTION WORKS COMMENCE. INVERT LEVEL AT THE CONNECTION POINT INTERPOLATED ONLY AND TO BE CONFIRMED PRIOR ANY DRAINAGE WORKS OR FINAL SETTING OF FLOOR AND ROAD LEVELS.
- ANY ADAPTABLE S104 DRAINAGE WORKS TO BE CARRIED IN ACCORDANCE WITH THE SEWERAGE SECTOR GUIDANCE AND DESIGN AND CONSTRUCTION GUIDANCE.
- ALL DRAINAGE TESTING REQUIRED IS TO BE CARRIED OUT AT THE CONTRACTORS EXPENSE.
- 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.
- IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
- CONTRACTOR TO SURVEY FOR AND LOCATE THE POSITION AND DEPTH OF ALL SERVICES ACROSS THE SITE BEFORE COMMENCING ANY WORKS.
- STATUTORY SERVICE DIVERSION WORKS - IF DEEMED NECESSARY - TO BE AGREED WITH THE APPROPRIATE STATUTORY UNDERTAKER.
- ALL TOPSOIL STRIPPED FOR RE-USE ON VERGES ETC. TO BE STOCKPILED AT A LOCATION TO BE AGREED WITH THE ENGINEER.
- FOR PIPES WITH SHALLOW COVER CONCRETE SLAB / CONCRETE SURROUND PROTECTION MUST BE ADDED OR DUCTILE IRON PIPES USED (AS INDICATED ON PLAN).

FOR PLANNING
PURPOSES ONLY

E	UPDATES TO S104 FW DRAINAGE	AK	SW	SW	20.01.21
D	UPDATES TO INFILTRATION FEATURES TO ADDRESS ARUN DC COMMENTS	AK	SW	SW	17.12.20
C	LAYOUT UPDATED	OC	AK	JM	
B	DRAINAGE LAYOUT UPDATED. INFORMATION ADDED AS PER ARUN DC COMMENTS.	AK	SW	JM	05.10.20
A	ROAD AND PIPEWORK NOTES AMENDED	SW	AK	JM	30.07.20
Rev	Amendments	Dm	Chk	App	Date



Job Title	LAND AT STAKERS FARM, YAPTON		
Drawing Title	DRAINAGE STRATEGY LAYOUT		
Client	DANDARA LIMITED (SOUTHERN)		
Scale	1:500 @ A1	Date	JUL 20
Drawn	AK	Checked	SW
Job No	19-156	Drawing No	YAP-130-20
Rev	E		