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)

46.4m UPSTREAM TO EXISTING FOUL WATER PUBLIC MH 8701

26.9m DOWNSTREAM TO EXISTING FOUL WATER PUBLIC MH 8702

CONNECTION FROM THE TEMPORARY SALES AREA IL 6.750

FOR CONTINUATION REFER TO SHEET 2 OF 6

N

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)
- ST — 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)

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.
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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.
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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.
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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

ODYSSEY
Odyssey House
Unit 3 Winchester Hill Business Park
Winchester Hill, Romsey
Southampton SO51 7UT
Telephone: 01794 537980
Fax: 01256 331134
E: info@odysseyconsult.co.uk
W: www.odysseyconsult.co.uk

Job Title
LAND AT STAKERS FARM, YAPTON

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

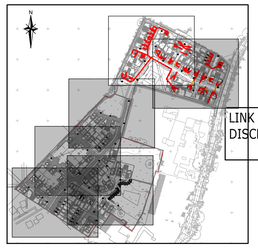
Client
DANDARA LIMITED (SOUTHERN)

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

DRAINAGE KEY

- FWMH - EXISTING PUBLIC FOUL WATER MANHOLE
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KEY PLAN
(SCALE 1:5000)

LINK ROOF BETWEEN PLOTS 25-26 TO DISCHARGE INTO PERMEABLE PAVING SUB-BASE OF THE DRIVEWAY

ROOF INTO INFILTRATION BLANKET 5
70m² (inc. 10% CREEP)

24m² x 0.4m DEEP
(INFILTRATION BLANKET 5 - CRATES)
IL 6.050, TL 6.450, CL 6.750
PLOT 24

37.5m² x 0.4m DEEP
(INFILTRATION BLANKET 4 - CRATES)
IL 6.100, TL 6.500, CL 6.800
PLOT 18-19

ROOF INTO INFILTRATION BLANKET 4
110m² (inc. 10% CREEP)

RWP'S TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

453m² x 0.4m DEEP
(INFILTRATION BLANKET - CRATES)
IL 6.020, TL 6.420, CL 6.920
0.14ha - ROOF (inc. 10% CREEP)

FOR CONTINUATION REFER TO SHEET 1 OF 6

FOR CONTINUATION REFER TO SHEET 3 OF 6

N

NOTES

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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
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C1	CHANGES TO PLOT DRAINAGE. DRAWING STATUS REVISED TO CONSTRUCTION ISSUE	AK	SW	SW	25.02.21
T4	DRAINAGE LAYOUT UPDATED	AK	SW	SW	25.02.21
T3	CHAMBER NUMBERS ADDED	AK	SW	SW	04.02.21

ODYSSEY

Odyssey House
Unit 3 Winchester Hill Business Park
Winchester Hill, Romsey
Southampton SO51 7UT

Telephone: 01794 537980
Fax: 01256 331134
E: info@odysseyconsult.co.uk
W: www.odysseyconsult.co.uk

Job Title
LAND AT STAKERS FARM, YAPTON

Drawing Title
DRAINAGE LAYOUT - PLOTS 24-32
38 UNIT SITE - SHEET 2 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-130-082	C5

N:\19-156 - Land at Stakers Farm, Yapton\Tech\Acad\Drawings\Detailed Design\YAP-130-082 Drainage Layout Sheet 2 of 6.dwg

DRAINAGE KEY

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- ST — SW CHAMBER WITH MINIMUM 300mm DEEP SILT TRAP

- INFILTRATION BLANKET
- PERVIOUS PAVING
- FFL 7.250 — PROPOSED FINISHED FLOOR LEVEL
- 6.550 — PROPOSED FINISHED SURFACE LEVEL
- LIGHTING COLUMN POSITION - REFER TO SIGNIFY DESIGNS FOR DETAILED LIGHTING DESIGN AND SPECIFICATION
- ALTHON GRC SMALL HEADWALL - OR SIMILAR APPROVED
- ALTHON SWALE INLET HEADWALL 150 - OR SIMILAR APPROVED

N

FOR CONTINUATION REFER TO SHEET 2 OF 6

GEOCELLULAR UNITS INFILTRATION BLANKET FLOOR AREA - 1393m² IL - 5.000 DEPTH - 0.400m (VOID RATIO - MIN.95%)

GEOCELLULAR UNITS TO BE POSITIONED OUTSIDE OF THE ADJACENT ROAD 45 DEGREES LOAD SPREAD LINE. IF THIS IS NOT FEASIBLE PROXIMITY OF GEOCELLULAR UNITS TO THE ROAD TO BE ASSESSED BY THE CHOSEN MANUFACTURER AND PROTECTION MEASURES MAY BE REQUIRED

GEOCELLULAR UNITS TO BE POSITIONED OUTSIDE OF THE ADJACENT ROAD 45 DEGREES LOAD SPREAD LINE. IF THIS IS NOT FEASIBLE PROXIMITY OF GEOCELLULAR UNITS TO THE ROAD TO BE ASSESSED BY THE CHOSEN MANUFACTURER AND PROTECTION MEASURES MAY BE REQUIRED

UNITS ALLOWING INSPECTION FROM ADOPTABLE MANHOLES (UNITS TO BE LOCATED 5m AWAY FROM THE BUILDINGS)

WHERE PERMAVOID UNITS ARE AT THE SAME LEVEL AS DRAINAGE COMPONENTS THE PERMAVOID UNITS TO BE LOCALLY OMITTED, DRAINAGE COMPONENT INSTALLED AND EQUAL AMOUNT OF PERMAVOID RE-INTRODUCED IMMEDIATELY NEXT TO DRAINAGE COMPONENT AS A PERMAVOID ADDITIONAL TOP LAYER

FOUL WATER RISING MAIN SERVING 70 UNITS FROM SOUTHERN SITE TO DISCHARGE INTO ADOPTABLE GRAVITY DRAINAGE WITH 38 UNIT NORTHERN SITE AS SHOWN SUBJECT TO WATER AUTHORITY AGREEMENT. CONNECTION LOCATION MAY ALTER FOLLOWING CONSULTATION WITH WATER AUTHORITY.

RISING MAIN SERVING ADOPTABLE FOUL WATER PUMPING STATION - SUBJECT TO SECTION 104 AGREEMENT

CCTV / MAINTENANCE INSPECTION CHAMBERS

TP4 - 1.8*10-6

FOR CONTINUATION REFER TO SHEET 1 OF 6

INVERT-TO-INVERT CONNECTION.

INFILTRATION BLANKET 3
2m x 11m x 0.4m DEEP
IL 5.200, TL 5.600, CL 5.950 (min.)

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

ALL RWP's TO DISCHARGE ONTO DRAINAGE CHANNEL

FOR CONTINUATION REFER TO SHEET 4 OF 6

INVERT-TO-INVERT CONNECTION

INVERT-TO-INVERT CONNECTION

KEY PLAN
(SCALE 1:5000)

NOTES

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CONSTRUCTION ISSUE

Rev	Amendments	Drn	Chk	App	Date
C3	PLOTS 105-106 SURROUNDING LEVELS AMENDED	AK	SW	SW	27.05.21
C2	LIGHTING COLUMNS LOCATION UPDATED	AK	SW	SW	26.05.21
C1	CHANGES TO PLOT DRAINAGE. DRAWING STATUS REVISED TO CONSTRUCTION ISSUE	AK	SW	SW	30.04.21
T3	CHAMBER NUMBERS ADDED	AK	SW	SW	04.02.21
T2	UPDATED TO CLIENT COMMENTS FOR FORMAL TENDER ISSUE	JK	AK	SW	22.12.20

ODYSSEY

Odyssey House
Unit 3 Winchester Hill Business Park
Winchester Hill, Romsey
Southampton SO51 7UT

Telephone: 01794 537980
Fax: 01256 331134
E: info@odysseyconsult.co.uk
W: www.odysseyconsult.co.uk

Job Title
LAND AT STAKERS FARM, YAPTON

Drawing Title
DRAINAGE LAYOUT - PLOTS 1-11
70 UNIT SITE - SHEET 3 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-130-083	C3

N:\19-156 - Land at Stakers Farm, Yapton\Tech\Acad\Drawings\Detailed Design\YAP-130-083 Drainage Layout Sheet 3 of 6.dwg

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)
- ST — SW CHAMBER WITH MINIMUM 300mm DEEP SILT TRAP

- INFILTRATION BLANKET
- PERVIOUS PAVING
- FFL 7.250 — PROPOSED FINISHED FLOOR LEVEL
- 6.550 — PROPOSED FINISHED SURFACE LEVEL
- LIGHTING COLUMN POSITION - REFER TO SIGNIFY DESIGNS FOR DETAILED LIGHTING DESIGN AND SPECIFICATION
- ALTHON GRC SMALL HEADWALL - OR SIMILAR APPROVED
- ALTHON SWALE INLET HEADWALL 150 - OR SIMILAR APPROVED



KEY PLAN
(SCALE 1:5000)

INFILTRATION BLANKET 4
2m x 11m x 0.4m DEEP
IL 5.676, TL 6.076, CL 6.426 (min.)

INFILTRATION BLANKET 6
3m x 3.5m x 0.4m DEEP
IL 5.916, TL 6.316, CL 6.666 (min.)

INVERT-TO-INVERT CONNECTIONS

INVERT-TO-INVERT CONNECTION

INVERT-TO-INVERT CONNECTION

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

ALL RWP's TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP TO DISCHARGE ONTO DRAINAGE CHANNEL

ALL RWP's TO DISCHARGE ONTO DRAINAGE CHANNEL

RWP'S TO

ONT

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. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS ISSUED BY THE ARCHITECT AND ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. 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.
4. ALL DIMENSIONS SHOWN IN METRES UNLESS NOTED OTHERWISE.
5. 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.
6. 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.
7. 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.
8. 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.
9. ALL RWP'S TO HAVE RODDING ACCESS.
10. ALL FOUL AND SURFACE WATER DRAINAGE PIPES TO BE 100mm Ø WITH MINIMUM GRADIENTS OF 1/80 AND 1/100 RESPECTIVELY UNLESS SPECIFIED OTHERWISE.
11. 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.
12. 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.
13. SECTION 106 FOR FOUL WATER CONNECTION OBTAINED FROM SOUTHERN WATER ON 20-08-2020.
14. ANY ADOPTABLE S104 DRAINAGE WORKS TO BE CARRIED IN ACCORDANCE WITH THE SEWERAGE SECTOR GUIDANCE AND DESIGN AND CONSTRUCTION GUIDANCE.
15. ALL DRAINAGE TESTING REQUIRED IS TO BE CARRIED OUT AT THE CONTRACTORS EXPENSE.
16. 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.
17. IF THERE IS ANY AMBIGUITY BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER.
18. CONTRACTOR TO SURVEY FOR AND LOCATE THE POSITION AND DEPTH OF ALL SERVICES ACROSS THE SITE BEFORE COMMENCING ANY WORKS.
19. STATUTORY SERVICE DIVERSION WORKS - IF DEEMED NECESSARY - TO BE AGREED WITH THE APPROPRIATE STATUTORY UNDERTAKER.
20. ALL TOPSOIL STRIPPED FOR RE-USE ON VERGES ETC. TO BE STOCKPILED AT A LOCATION TO BE AGREED WITH THE ENGINEER.
21. 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.

CONSTRUCTION ISSUE

Rev	Amendments	Drn	Chk	App	Date
C3	PLOTS 105-106 SURROUNDING LEVELS AMENDED	AK	SW	SW	27.05.21
C2	LIGHTING COLUMNS LOCATION UPDATED	AK	SW	SW	26.05.21
C1	CHANGES TO PLOT DRAINAGE. DRAWING STATUS REVISED TO CONSTRUCTION ISSUE	AK	SW	SW	30.04.21
T3	CHAMBER NUMBERS ADDED	AK	SW	SW	04.02.21
T2	UPDATED TO CLIENT COMMENTS FOR FORMAL TENDER ISSUE	JK	AK	SW	22.12.20

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Job Title
LAND AT STAKERS FARM, YAPTON

Drawing Title
DRAINAGE LAYOUT - PLOTS 12-29 & 62-70
70 UNIT SITE - SHEET 4 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-130-084	C3

FOR CONTINUATION REFER TO SHEET 6 OF 6

N:\19-156 - Land at Stakers Farm, Yapton\Tech\Acad\Drawings\Detailed Design\YAP-130-084 Drainage Layout Sheet 4 of 6.dwg

29m² x 0.4m DEEP
IL 6.029, TL 6.429, CL 6.779 (min.)

2.5m OFFSET LINE FROM THE SITE BOUNDARY

RWP's TO DISCHARGE ONTO DRAINAGE CHANNEL

ALL RWP's TO DISCHARGE ONTO DRAINAGE CHANNEL

PERMAVOID DIFFUSER UNIT PVOD05202 INSTALLED WITHIN SUB-BASE OF PERMEABLE PAVING IL 6.300

INVERT-TO-INVERT CONNECTION

PERMAVOID DIFFUSER UNIT PVOD05202 INSTALLED WITHIN SUB-BASE OF PERMEABLE PAVING IL 6.350

INVERT-TO-INVERT CONNECTION

RWP's TO DISCHARGE ONTO DRAINAGE CHANNEL

FOR CONTINUATION REFER TO SHEET 6 OF 6

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
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- ST — SW CHAMBER WITH MINIMUM 300mm DEEP SILT TRAP
- INFILTRATION BLANKET
- PERVIOUS PAVING

FFL 7.250 — PROPOSED FINISHED FLOOR LEVEL

6.550 — PROPOSED FINISHED SURFACE LEVEL

LIGHTING COLUMN POSITION - REFER TO SIGNIFY DESIGNS FOR DETAILED LIGHTING DESIGN AND SPECIFICATION

ALTHON GRC SMALL HEADWALL - OR SIMILAR APPROVED

ALTHON SWALE INLET HEADWALL 150 - OR SIMILAR APPROVED

KEY PLAN
(SCALE 1:5000)

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.
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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.
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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.
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CONSTRUCTION ISSUE

Rev	Amendments	Drn	Chk	App	Date
C3	LARGE INFILTRATION BLANKET SHAPE ADJUSTED. 2.5m DISTANCE AWAY FROM SITE BOUNDARY SHOWN	AK	SW	SW	09.06.21
C2	LIGHTING COLUMNS LOCATION UPDATED	AK	SW	SW	26.05.21
C1	CHANGES TO PLOT DRAINAGE. DRAWING STATUS REVISED TO CONSTRUCTION ISSUE	AK	SW	SW	30.04.21
T3	CHAMBER NUMBERS ADDED	AK	SW	SW	04.02.21
T2	UPDATED TO CLIENT COMMENTS FOR FORMAL TENDER ISSUE	JK	AK	SW	22.12.20

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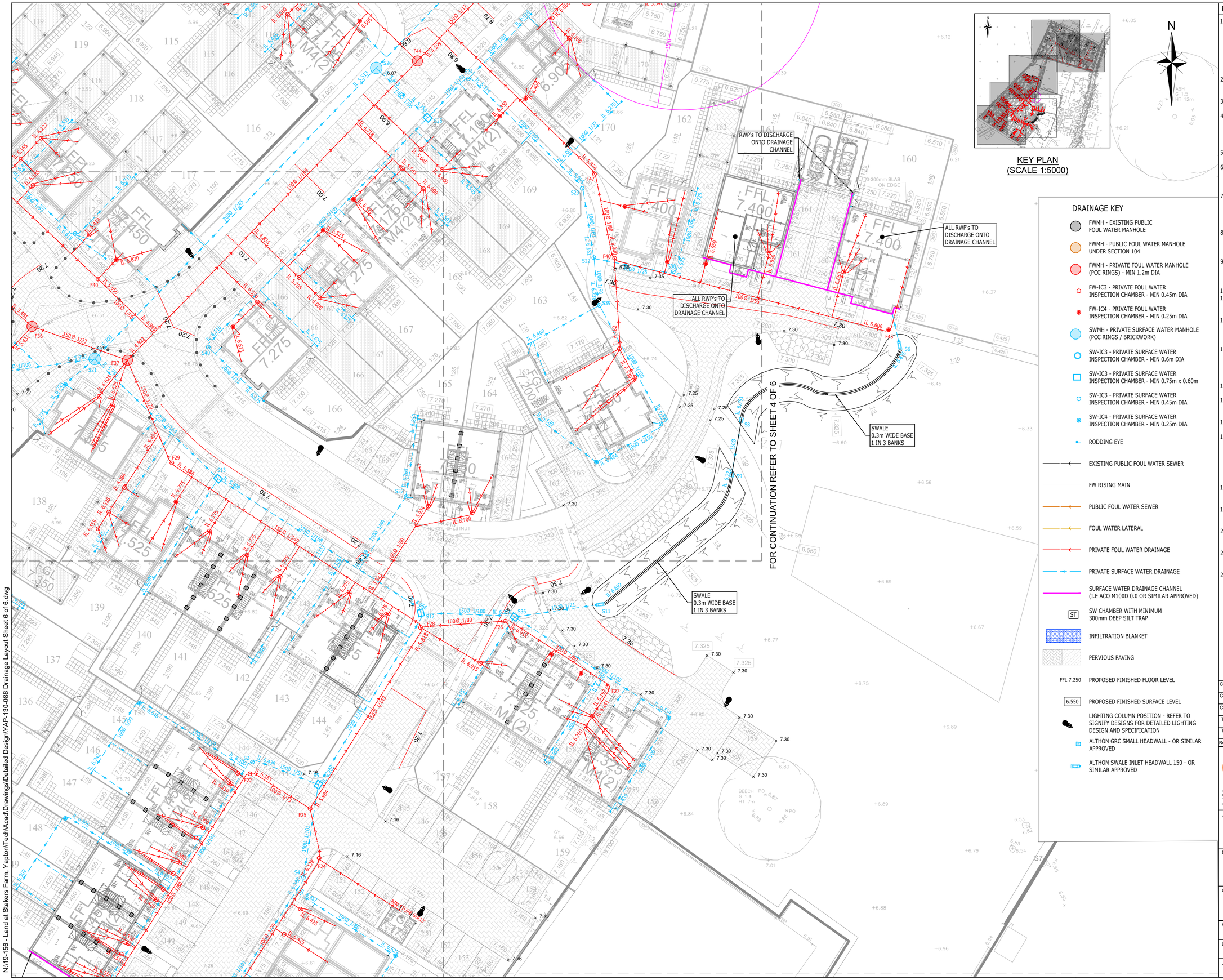
Job Title
LAND AT STAKERS FARM, YAPTON

Drawing Title
DRAINAGE LAYOUT - PLOTS 30-56
70 UNIT SITE - SHEET 5 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-130-085	C3

N:\19-156 - Land at Stakers Farm, Yapton\Tech\Acad\Drawings\Detailed Design\YAP-130-085 Drainage Layout Sheet 5 of 6.dwg



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.
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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.
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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.
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CONSTRUCTION ISSUE

Rev	Amendments	Drn	Chk	App	Date
C3	FINISHED LEVELS AROUND PLOT 159 UPDATED	AK	SW	SW	12.07.21
C2	LIGHTING COLUMNS LOCATION UPDATED	AK	SW	SW	26.05.21
C1	CHANGES TO PLOT DRAINAGE. DRAWING STATUS REVISED TO CONSTRUCTION ISSUE	AK	SW	SW	30.04.21
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 57-61 70 UNIT SITE - SHEET 6 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-130-086	C3

N:\19-156 - Land at Stakers Farm, Yapton\Tech\Acad\Drawings\Detailed Design\YAP-130-086 Drainage Layout Sheet 6 of 6.dwg