PROPOSED FOUL PUMPING STATION WITH DUTY\STANDBY ARRANGEMENT AND MACERATOR SUITABLE FOR DOMESTIC FOUL LOADS. MAXIMUM RATE 2.0l/s WITH 24HR STORAGE. RISING MAIN TO REPLACE EXISTING MAIN.

EXISTING PUMPING STATION DECOMMISSIONED

TREES TO BE MOVED OUTSIDE OF SWALE EXTENTS

SWALE CONNECTOR OUTLET IL:31.350

DIRECT DISCHARGE FROM RWPs TO PERIMETER SWALE

EXISTING RWP DIVERTED IN TO PROPOSED RAIN GARDEN

NO DIRECT CONNECTIONS TO RAIN GARDEN AND PERMEABLE SURFACING DRAINAGE TO PROHIBIT SILT ENTRY IN TO REDUCED GRADIENT SURFACE WATER CONVEYANCE NETWORK. ALL PIPEWORK UP TO S16 TO BE FULLY PERFORATED IN FILTER DRAIN BEDDING.

NEW CHAMBER ON EXISTING RUN

PROPOSED FOUL LIFTING PLANT WITH SINGLE PUMP ARRANGEMENT AND MACERATOR SUITABLE FOR DOMESTIC FOUL LOADS. MAXIMUM RATE 2.0l/s WITH HIGH LEVEL CONNECTION TO EX MH F03 AT IL:31.60

PROPOSED FOUL RISING MAIN AND HIGH LEVEL CONNECTION FROM FB03 AT IL:31.55 WITH NON-RETURN VALVES AND FULL CONCRETE SURROUND TO PIPES DUE TO LIMITED COVER.

SHALLOW SURFACE STORAGE AREA FOR LARGER EVENTS 300mm DEEP AT LOW POINT ON SITE (IL:31.100) AND CONNECTED LATERALLY TO SWALE PROVIDING APPROXIMATELY 42m³ OF ATTENUATION STORAGE

SHALLOW STORAGE MAXIMUM BANK SLOPE 1 IN 3 ADJACENT TO RETAINED TREES BUT BLENDING OUT TO 1 IN 20 AND THEREFORE GERNALLY NO BANKS AND FULLY ACCESSIBLE BY PEOPLE AND VEHICLES

SPUR TO ALLOW FOR FUTURE CONNECTIVITY. RUN TO BE BUNGED BOTH ENDS UNTIL REQUIRED.

UNDERDRAINED SWALE AS OUTLET

FULLY PERMEABLE CONSTRUCTION FOR EXTENDED CAR PARK WITH PROTECTAWEB CONSTRUCTION FOR TREE PROTECTION AS REQUIRED.

EXISTING IMPERMEABLE CAR PARK DRAINAGE RETAINED

FLOW CONTROL CHAMBER WITH HYDROBRAKE OPTIMUM CONTROL (REF: SHE-0072-2000-0700-2000) LIMITING DISCHARGE TO 2.0l/s UP TO AND INCLUDING THE 1 IN 100 YEAR PLUS 40% CLIMATE CHANGE EVENT. NON-RETURN VALVES ON INLETS TO CHAMBER TO PREVENT BACK WASHING SILT.

NEW CONNECTION SUBJECT TO S106 APPROVAL FROM SEWERAGE UNDERTAKER

FFL:32.00

FFL:31.95

FFL:32.35

FFL:32.000

S01 ToB:31.700 IL:31.400

S02 ToB:31.600 IL:31.300

S03 ToB:31.460 IL:31.160

S04 ToB:31.410 IL:31.109

S05 ToB:31.400 IL:31.093

S06 ToB:31.440 IL:31.071

S07 ToB:31.450 IL:31.041

S08 1200Ø CL:31.82 IL:31.022

S09 450Ø CL:31.880 IL:31.412

S10 450Ø CL:31.780 IL:31.380

S11 450Ø CL:31.780 IL:31.129

S11A 450Ø CL:31.900 IL:31.103

S11B 450Ø CL:31.885 IL:31.097

S12 450Ø CL:31.780 IL:31.088

S13 450Ø CL:31.700 IL:31.103

S13A 450Ø CL:31.870 IL:31.082

S14 450Ø CL:31.81 IL:31.061

S15 450Ø CL:31.91 IL:31.038

S16 1800Ø CL:31.700 IL:30.947

EX FPS 01 CL:31.41 IL:29.88

EX FPS 02 CL:31.46 IL:30.46

FB01 450Ø CL:31.77 IL:30.91

FB02 450Ø CL:31.93 IL:30.64

FB03 FPS CL:31.89 IL:30.41

FB04 FPS CL:31.40 IL:29.78

FB03 450Ø CL:31.43 IL:30.04

FB02 450Ø CL:31.45 IL:30.30

FB01 450Ø CL:31.500 IL:30.45

EX MH F03 CL:32.00 IL:31.55

EX MH F04 CL:31.93 IL:31.47

EX MH S01 CL:31.99 IL:31.09

EX MH S02A CL:TBC IL:TBC(0.29d

EX MH S02 CL:32.09 IL:31.16

EX MH F05 CL:32.09 IL:31.03

EX MH F06 CL:32.03 IL:31.03

EX MH S03 CL:31.88 IL:30.88

EX MH SW04 CL:3XX IL:3XX

EX MH SW02 CL:TBC IL:0.9d

EX MH SW01 CL:TBC IL:1.0d

S1.002 SWALE → 108.5

S1.003 SWALE → 149.7

S1.004 SWALE → 100.2

S1.005 SWALE → 100.3

S1.006 SWALE → 149.8

S1.007 SWALE → 149.8

S1.008 150Ø ← 149.8

S1.009 150Ø ← 1:50

S1.001 100Ø → 120.5

S1.100 100Ø → 120.5

S2.000 SWALE → 108.5

S3.001 100Ø → 145.3

S3.002 100Ø → 145.3

S3.003 100Ø → 145.3

S3.004 100Ø → 145.3

S3.005 100Ø → 149.8

S4.000 100Ø → 145.3

S4.001 100Ø → 145.3

S4.002 100Ø → 145.3

S1.100 SWALE → 100.3

S1.101 150Ø → 150.6

S1.102 150Ø → 150.6

Hedgewood Special School

SUDS PLANTING AREA = 35m²

## General Notes

1. TO BE READ WITH ALL OTHER JDL CONSULTANTS LTD DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING.
3. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT.
4. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH JDL SPECIFICATION.
5. RECOMMENDATIONS OF CCTV SURVEY TO BE INCLUDED.
6. CONTRACTOR TO VERIFY PROPOSED COVER LEVELS PRE-COMMENCEMENT
7. LOCATION OF EXISTING DRAINAGE WHERE NOT IDENTIFIED ON TOPOGRAPHICAL SURVEY IS APPROXIMATE ONLY.

LEGEND

- EXISTING PRIVATE SURFACE WATER SEWER & MANHOLE
- EXISTING PRIVATE FOUL\COMBINED WATER SEWER & MANHOLE
- EXISTING PRIVATE FOUL RISING MAIN
- PROPOSED PRIVATE SURFACE WATER SEWER & MANHOLE (100mmØ UNLESS NOTED OTHERWISE)
- PROPOSED PRIVATE SURFACE WATER SEWER (FULLY PERFORATED PIPEWORK)
- PROPOSED PRIVATE FOUL WATER SEWER & MANHOLE (100mmØ UNLESS NOTED OTHERWISE)
- INTERNAL FOUL CONNECTION POINT (INDICATIVE)
- PROPOSED PRIVATE FOUL RISING MAIN
- RWP RAINWATER DOWNPIPE 100Ø CONNECTION (INDICATIVE)
- PROPOSED LINEAR CHANNEL (SLOT DRAIN OR SIMILAR)
- PROPOSED FULLY PERMEABLE CONSTRUCTION WITH BS7533 SUBBASE. THICKNESS AS SHOWN ON PLAN
- PROPOSED SWALE WITH 0.5m WIDE BASE, TYPICALLY 300mm DEEP WITH 1 IN 3 SIDE SLOPES
- PROPOSED RAIN GARDEN WITH 300mm DEEP DEPRESSION IN MIDDLE OF AREA WITH 1 IN 3 SIDE SLOPES
- EXISTING DRAINAGE TO BE DECOMMISSIONED IN ACCORDANCE WITH BUILDING REGULATIONS

| | | |
|---|---|---|
| P06 | REVISED TO NEW HARDSTANDING EXTENTS | 20SEP21 |
| P05 | FOUL AROUND LIME REVISED | 13SEP21 |
| P04 | PERFORATED PIPES SHOWN IN GREEN | 02SEP21 |
| P03 | PERMEABLE HARDSTANDING EXTENTS REVISED, CLs TO PROPOSED LEVELS | 01SEP21 |
| P02 | EXISTING DRAINAGE REVISED, RETAINED LIME TREE SHOWN, DRAINAGE REVISED | 19AUG21 |
| P01 | FIRST ISSUE | 16AUG21 |
| | Revision/Issue | Date |


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Drawing Title

*DRAINAGE LAYOUT (SHEET 1 OF 2)*

Architect

Project

*HEDGEWOOD SPECIAL SCHOOL, WEYMOUTH ROAD*

| Scale | Date | Drg No | Rev |
|---|---|---|---|
| 1:200 @ A1 | AUG 21 | 20551-E01 | P06 |

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