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

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

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.

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

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.

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 6.0% 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

SUDS PLANTING AREAS = 35m²

Hedgewood Special School

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

P03	REVISED TO NEW HARDSTANDING EXTENTS	20SEP21
P02	FOUL AROUND LIME TREE REVISED	13SEP21
P01	FIRST ISSUE	02SEP21
	Revision/Issue	Date

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Drawing Title

DRAINAGE LAYOUT (WITH GRID)

Architect

Project

HEDGEWOOD SPECIAL SCHOOL, WEYMOUTH ROAD

Scale	Date	Drg No	Rev
1:200 @ A1	SEP 21	20551-E03	P02

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