



**GENERAL NOTES**

1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, ENGINEERS, ARCHITECTS & SERVICES DRAWINGS, INCLUDING APPROVED BUILDERS WORK DRAWINGS. CONTRACTOR TO NOTIFY ENGINEER OF DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS OR OTHER DRAWINGS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THIS DRAWING. WORK TO DIMENSIONS OR CO-ORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS, SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
4. INFORMATION CONTAINED ON THIS DRAWING IS SCHEME DESIGN ONLY AND REQUIRES FURTHER DETAILED DESIGN AND CO-ORDINATION WITH THE CONTRACTOR, DESIGN TEAM AND APPROPRIATE SUB-CONTRACTORS.

**KEY**

- EXISTING OPEN WATERCOURSE
- EXISTING CULVERTED WATERCOURSE
- EXISTING CW SEWER
- EXISTING CW SEWER MANHOLE
- PROPOSED PRIVATE SW MANHOLE
- PROPOSED PRIVATE SW DRAIN
- PROPOSED PRIVATE SW PPIC
- PROPOSED PRIVATE ROAD GULLY
- PROPOSED FILTER DRAIN
- PROPOSED PRIVATE FW DRAIN
- PROPOSED PRIVATE FW PPIC
- SITE BOUNDARY

FOUL DRAINAGE TO BE CONNECTED TO EXISTING UNITED UTILITIES PUBLIC COMBINED SEWER. SUBJECT TO UU APPROVAL

LARGE DIAMETER PIPES TO PROVIDE SW ATTENUATION. APPROXIMATE STORAGE VOLUME = 60m<sup>3</sup> FOR A 1 IN 100 YEAR EVENT WITH A 40% INCREASE FOR CLIMATE CHANGE

FLOW CONTROL TO RESTRICT FLOW TO 5l/s

OFFLET GULLIES TO FILTER DRAIN

SURFACE WATER TO DISCHARGE TO WATERCOURSE

**SURFACE WATER DRAINAGE**

CONSIDERATION HAS BEEN GIVEN TO THE HIERARCHY OF DRAINAGE OPTIONS FOR THE SITE AS FOLLOWS:

1. DISCHARGE INTO GROUND - GROUND CONDITIONS INDICATE STRATA TO BE UNSUITABLE
2. DISCHARGE TO SURFACE WATER BODY - SURFACE WATER WILL DISCHARGE TO WATERCOURSE NORTH OF CHURCH RAIKE
3. DISCHARGE TO SURFACE WATER SEWER, HIGHWAY DRAIN OR OTHER DRAINAGE SYSTEM - CONNECTION TO WATERCOURSE IS THE PREFERRED OPTION

THE PROPOSAL AT THIS TIME IS TO DISCHARGE SURFACE WATER FROM THE DEVELOPMENT INTO THE SMALL WATERCOURSE TO THE NORTH OF CHURCH RAIKE AT A RATE RESTRICTED TO THE GREENFIELD RUN OFF RATE OF 5l/s.

**FOUL WATER DRAINAGE**

FOUL WATER GENERATED BY THE SITE WILL DISCHARGE INTO THE EXISTING COMBINED WATER SEWER TO THE NORTH OF THE SITE

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PROJECT **CHIPPING, PHASE 4**

DRAFTER **AB** ENGINEER **PG**

TITLE **DRAINAGE STRATEGY GA**

SCALE	SHEET	DRAWING No	REV
1-250	A1	3431-SHD-00-ZK-SK-C-0010	P1