DO NOT SCALE THIS DRAWING. IF IN DOUBT ASK

AO

CONDER BYPASS INTERCEPTOR MODEL CNSB 415/21 (OR SIMILAR APPROVED) TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURES INSTRUCTIONS WITH 375 DIA. INLET AND OUTLET PIPEWORK. PETROL INTERCEPTOR TO BE FITTED WITH AN APPROVED ALARM SYSTEM HAVING A VISUAL AND AUDIO SIGNAL RELAYED TO MANAGERS OFFICE.

12.0M x 4.0M x 2.0M DEEP H/D ATTENUATION TANK

VORTEX FLOW RESTRICTOR LIMITED TO 4L/SECOND

BACK DROP CONNECTION INTO EXISTING MANHOLE

GREASE TRAP TYPE 'KLUTRAP' UGA

SSL = 33.50

NOTE: INVERT LEVELS OF EXISTING TESCO SEWERS AT T1, T2, T3 AND S8 TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF DRAINAGE WORKS

EXISTING OUTLET FROM MH TO BE FILLED WITH CONCRETE

NEW MANHOLE

EXISTING OUTLET FROM MH TO BE FILLED WITH CONCRETE

FOUL WATER DRAINAGE

Pipe Code	Pipe Type	Diameter (mm)	Gradient (1)	Pipe Length	Upstream Manhole Number	Upstream Manhole Invert	Upstream Manhole Cover	Downstream Manhole Number	Downstream Manhole Invert	Downstream Manhole Cover
F1.000	CLAY	150	60	17.5	F1	32.65	33.45	F2	32.33	3345
F1.001	CLAY	150	33	1.0	F2	32.33	33.45	F3	32.30	33.40
F1.002	CLAY	150	54	16.0	F3	32.30	33.40	F4	32.00	32.85
F1.003	CLAY	150	62	15.5	F4	32.00	32.85	F5	31.75	32.95
F1.004	CLAY	150	63	17.0	F5	31.75	32.95	F6	31.48	33.12
F1.005	CLAY	150	65	15.0	F6	31.48	33.12	F7	31.25	32.87
F2.000	CLAY	150	50	8.5	F8	32.50	33.40	F2	32.33	33.45

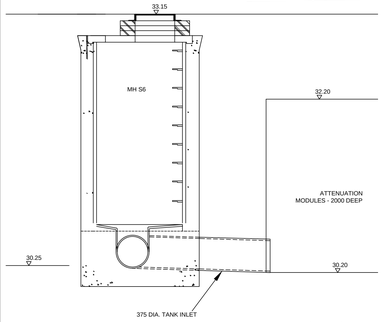
NOTE: ALL SEWERS IN TRAFFICED AREAS TO HAVE 150 CONCRETE SURROUND WHERE COVER IS LESS THAN 0.9 METRES

SURFACE WATER DRAINAGE

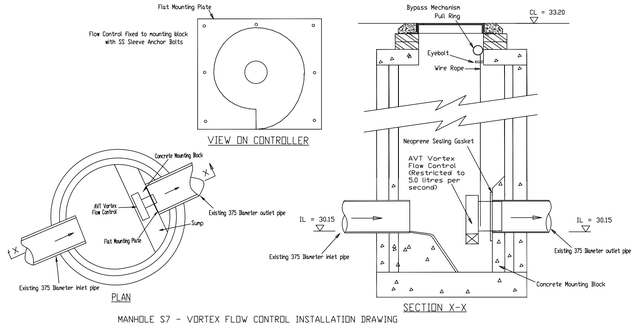
Pipe Code	Pipe Type	Diameter (mm)	Gradient (1)	Pipe Length	Upstream Manhole Number	Upstream Manhole Invert	Upstream Manhole Cover	Downstream Manhole Number	Downstream Manhole Invert	Downstream Manhole Cover
S1.000	CLAY	225	180	27.0	S1	32.00	33.30	S2	31.85	33.30
S1.001	CLAY	300	147	25.0	S2	31.77	33.30	EX. MH S3 ✱	31.60 (BACK DROP CONNECTION INTO EXISTING MANHOLE)	33.20
		EX. 300 DIA.	87	16.5	EX. MH S3 ✱	30.66	33.20	EX. MH S4 ✱	30.53	33.20
S1.002	CLAY	375	80	8.0	EX. MH S4 ✱	30.45	33.20	S5	30.35	33.15
S1.003	CLAY	375	50	5.0	S5	30.35	33.15	S6	30.25	33.20
S1.004	CLAY	375	20	1.0	S6	30.25	33.20	ATTENUATION TANK	30.20	33.15 (VARIES)
S1.005	CLAY	375	20	1.0	ATTENUATION TANK	30.20	33.15 (VARIES)	S7	30.15	33.20
S1.006	CLAY	375	90	4.5	S7	30.15	33.20	EX. MH S8 ✱	30.10	33.20
S2.000	CLAY	150	140	14.0	S9	32.00	33.25	S10	31.90	33.25
S2.001	CLAY	225	109	18.5	S10	31.82	33.25	S11	31.65	33.20
S2.002	CLAY	225	27	4.0	S11	31.65	33.20	S5	31.50	33.15
S3.000	CLAY	300	119	32.0	EX. MH T1 ✱	30.90	33.21	T2 ✱	30.63	33.25
S3.001	CLAY	375	120	30.0	T2 ✱	30.55	33.35	T3 ✱	30.30	33.40
S3.002	CLAY	375	120	24.0	T3 ✱	30.30	33.40	EX. MH S8 ✱	30.10	33.20

NOTE: ALL SEWERS IN TRAFFICED AREAS TO HAVE 150 CONCRETE SURROUND WHERE COVER IS LESS THAN 0.9 METRES
✱ INVERT LEVELS OF EXISTING MH's T1, S3, S4, S8 & NEW MH's T2, T3, S5, S6 & S7 T.B.C.

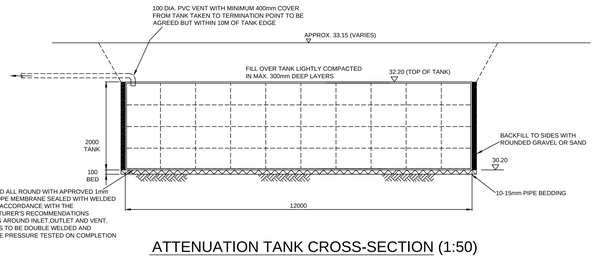
SITE LAYOUT PLAN (1:100)



ATTENUATION TANK INLET FOR MH S6 (1:25)



MANHOLE S7 - VORTEX FLOW CONTROL INSTALLATION DRAWING SHOWING MOUNTING BLOCK METHOD OF INSTALLATION



TANK LINED ALL ROUND WITH APPROVED 1mm GAUGE HDPE MEMBRANE SEALED WITH WELDED JOINTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS INCLUDING AROUND INLET,OUTLET AND VENT. ALL JOINTS TO BE DOUBLE WELDED AND MEMBRANE PRESSURE TESTED ON COMPLETION TO 1 BAR.

ATTENUATION TANK CROSS-SECTION (1:50)

Rev.	Description	By	Date
H	POP-UP LOCATIONS REVISED TO ARCHITECTS LATEST DETAILS	NC	MAY 24
G	KERB LINES UPDATED TO LATEST ARCHITECTS DETAILS, GULLEY LOCATIONS REVISED TO SUIT	NC	MAY 24
F	SIZE & LOCATION OF ATTENUATION TANK REVISED, MANHOLE LOCATIONS REVISED TO SUIT.	NC	APR 24
E	SIZE OF ATTENUATION TANK REVISED, FLOW RESTICTOR CHANGED TO 5.0 L/SECOND. LOCATIONS OF MANHOLES S6 & S7 REVISED. NEW 375 DIA. S.W. PIPE FROM EX. MH S4 TO EX. MH S8	NC	NOV 22
D	LOCATION OF EXISTING MANHOLE F7 REVISED, FOUL DRAINAGE INVERT LEVELS REVISED TO SUIT.	NC	FEB 22
C	MH F1 MOVED TO AVOID CANOPY FOUNDATION	NC	FEB 22
B	POP-UP LOCATIONS REVISED TO ARCHITECTS DETAILS	NC	FEB 22
A	LEVELS REMOVED & DRAINAGE SCHEDULE & DETAILS ADDED	NC	FEB 22

Client: CHICKEN CABINS LTD.

Site address: KFC DRIVE THROUGH SECTION OF TESCO CAR PARK ALTRINCHAM ROAD, BAGULEY. MANCHESTER, M23 9TJ.

Title: DRAINAGE DETAILS (SHEET 1 OF 2)

Stevenson Calam Associates
CONSULTING ENGINEERS
ORNHAMS HALL, BOROUGHBRIDGE, NORTH YORKSHIRE, YO51 9JH.
Telephone (01423) 530999
Facsimile (01423) 520028
Email: stevenson.calam@btconnect.com

Project Manager/ Checked	Drawn By	Scale	Date
	NC	AS SHOWN	FEB. 2022
Arch./Des. GS	Drawing Number 1747-4/1		Rev. H