DO NOT SCALE THIS DRAWING. IF IN DOUBT ASK

AO

EXISTING FOUL MANHOLE

EX. 150 DIA. FOUL SEWER

EX. 150 DIA. FOUL SEWER

F1.005 Ø150 1:65

F6

F1.003 Ø150 1:62

F5

F4

EX. MH

EXISTING 150 DIA. S.W.

EX. S.W. MH

EXISTING 150 DIA. S.W.

EX. G

EXISTING 150 DIA. S.W.

CONDER BYPASS INTERCEPTOR MODEL CNSB 4.5/21 (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.

S11

S2.003 Ø225 1:169

S10

S2.002 Ø150 1:145

EXISTING 375mm DIA. SEWER DISCHARGING INTO 450mm DIA. ADOPTED SURFACE WATER MAIN

EXISTING 450 DIA. SURFACE WATER SEWER

EX. S.W. MH

EX. G

S6

PETROL INTERCEPTOR

S1.003 Ø375 1:50

S5

S1.004 Ø375 1:20

S4

S1.005 Ø375 1:20

S7

S1.006 Ø225 1:30

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

VORTEX FLOW RESTRICTOR LIMITED TO 5.0LUSECOND

S8

S9

EX. S.W. MH

EX. G

EX. S.W. MH

BACK DROP CONNECTION INTO EXISTING MANHOLE

EXISTING 300 DIA. S.W.

EX. G

EX. S.W. MH

EX. G

F1.002 Ø150 1:54

NO ENTRY

G

G

GREASE TRAP TYPE ALUTRAP UG4

F2.000 Ø150 1:50

F8

GREASE TRAP

F3

F1.001 Ø150 1:33

F2

225 DIA. S.W.

150 DIA.

ACO LINEAR DRAIN

F1.000 Ø150 1:65

SSL = 33.50

S1.001 Ø300 1:67

EXISTING 300 DIA. S.W.

EX. G

EX. G

NEW MANHOLE

S12

EXISTING OUTLET FROM MH TO BE FILLED WITH CONCRETE

EX. S.W. MH

T1

S3.000 Ø300 1:119

NEW 300 DIA. TESCO SURFACE WATER SEWER

EXISTING TESCO SURFACE WATER SEWER

EX. G

EX. MH

G2

F1

S1.000 Ø225 1:180

S1

T2

S3.001 Ø375 1:120

NEW 375 DIA. TESCO SURFACE WATER SEWER

NEW GULLEY

EXISTING OUTLET FROM MH TO BE FILLED WITH CONCRETE

EX. G

EX. G

T3

EXISTING TESCO SURFACE WATER SEWER

EXISTING TESCO SURFACE WATER SEWER

EX. G

EX. G

EX. G

EX. G

EXISTING 225 DIA. TESCO SURFACE WATER SEWER

EX. G

EX. G

EX. S.W. MH

S3.002 Ø375 1:120

NEW 375 DIA. TESCO SURFACE WATER SEWER

EX. G

EX. S.W. MH

EX. 225 DIA. S.W.

PIPY KERB

PIPY KERB

LANDSCAPING

TESCO GARAGE

EXISITNG HOUSING

DRAINAGE CHANNEL

CONCRETE

DENSE SHRUBS

DENSE BUSHES

TESCO SIGN

STORE FUEL

DELIVERY BAY

OAK CANOPY

DRAINAGE CHANNEL

CONC

CONCRETE

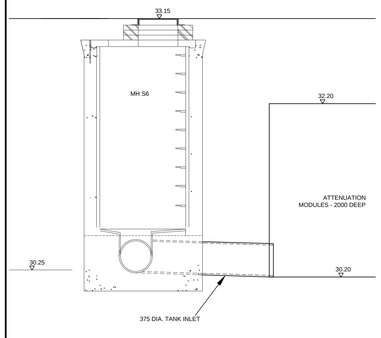
DRAINAGE CHANNEL

CONCRETE

DENSE SHRUBS

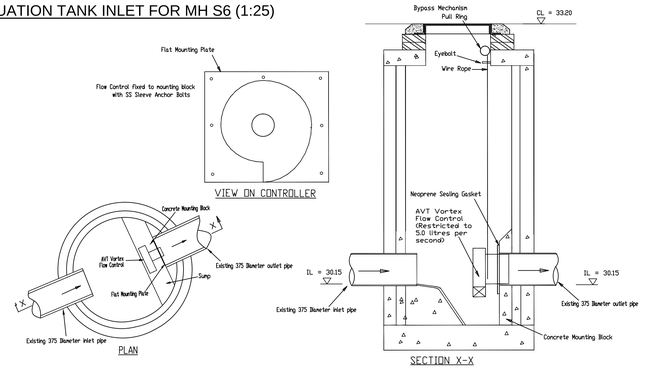
DENSE BUSHES

N



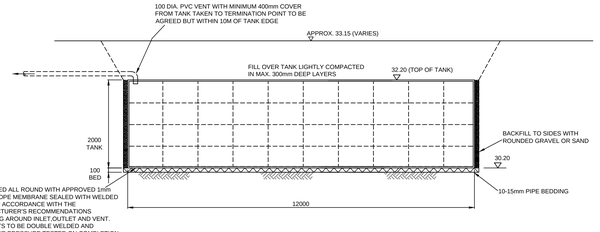
SITE LAYOUT PLAN (1:100)

ATTENUATION TANK INLET FOR MH S6 (1:25)



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

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



TANK LINED ALL ROUND WITH APPROVED 1mlh 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)

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	33.1Œ
F1.005	CLAY	150	65	15.0	F6	31.48	33.1Œ	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.

Rev.	Description	By	Date
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)

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