FOR CONTINUATION OF DRAWING SEE 28506 00400 ENGINEERING LAYOUT SHEET 1.
EXISTING MANHOLE ASSUMED TO BE SOUTHERN WATER FOUL SEWER MANHOLE REF. 1701. CL=1.99 IL=-0.80
225Ø PUBLIC FOUL SEWER
NEW MANHOLE TO SERVE DEVELOPMENT. MAXIMUM ALLOWABLE DISCHARGE RATE = 19l/s. IL=0.894 AOD
CLASS 1 BY-PASS SEPARATOR REF. NSB 3 103/C1/D/A 160 WITHOUT SILT CAPACITY BY SPEL PRODUCTS.
FOUL POINT SHOWN INDICATIVELY ONLY.
LEVELS ADJACENT TO BOUNDARY TO BE AGREED ON SITE.
FFL 2.70
S7.2
S7.1
S7
F34
F35
F36
EXISTING MANHOLE ASSUMED TO BE SOUTHERN WATER FOUL SEWER MANHOLE REF. 1802. CL=2.08 IL=-0.55
PROPOSED NEW CONNECTIONS SUBJECT TO AGREEMENT WITH AND APPROVAL FROM SEWER AUTHORITY.
Ex. 1802 CL 2.08 IL -0.55
S21
F26
F27
S12
S12.1
NEW MANHOLE TO SERVE DEVELOPMENT. AREA ASSESSED AS 2788m² MAXIMUM ALLOWABLE DISCHARGE RATE = 43l/s
ALL RUN-OFF SUBJECT TO VEHICULAR TRAFFIC MUST PASS THROUGH SUITABLY SIZED CLASS 1 BY-PASS SEPARATOR DESIGNED AND DETAILED BY OFF SITE DEVELOPER.
IL=1.153
S11
S10
S10.1
F30
NEW MANHOLE TO TAKE RUN-OFF FROM EXTERNAL HARD PAVED AREAS ONLY. AREA ASSESSED AS 2966m² MAXIMUM ALLOWABLE DISCHARGE RATE = 56l/s
ALL RUN-OFF SUBJECT TO VEHICULAR TRAFFIC MUST PASS THROUGH SUITABLY SIZED CLASS 1 BY-PASS SEPARATOR DESIGNED AND DETAILED BY OFF SITE DEVELOPER.
IL=0.989
PETROL FILLING STATION (PFS)
PFS DESIGN, INCLUDING, EXTERNAL LEVELS AND BELOW GROUND FOUL AND SURFACE WATER DRAINAGE BY MARTINDALES.
PFS CANOPY / KIOSK ROOF SURFACE WATER OUTFALL MANHOLE. DRAINED AREA ASSESSED AS 520m². IL=0.98m AOD
STORE
FUEL
NO ENTRY
ONE WAY
EXIT
VACUUM
AIR/WATER
CAR WASH
RIGHT TURN ONLY
S5
S6
F28
F29
F33
S8
S9
S2
S1A
S18
1200Ø INLET / OUTLET SUMP CHAMBER
ACO Q-MAX 350 (IL=1.165)
IL=1.04 (375Ø)
225Ø, 1:150
BELOW GROUND SURFACE WATER ATTENUATION SYSTEM (LENGTH 34m, WIDTH (57m WIDE + 2m WIDE GRAVEL TRENCH), THICKNESS 0.5m (SINGLE LAYER) SDS GEOLIGHT UNITS (SDS UNITS PROVIDING 912m³ OF USABLE STORAGE) UNITS TO BE FULLY WRAPPED AND SEALED TO PREVENT WATER INGRESS / EGRESS. TANK TO BE FULLY VENTED. SOFFIT LEVEL OF TANK = 0.89m AOD BASE LEVEL OF TANK =0.39m AOD
2No.225Ø, 1:350
RIDGE
ACO Q-MAX 550 (IL=0.85)
ACO Q-MAX 350 (IL=1.185)
ACO Q-MAX 225 (IL=1.29)
450Ø, 1:400

KEY:

PRIVATE DRAINAGE

150Ø, 1:80	-SURFACE WATER DRAIN.
	-SURFACE WATER CHAMBER.
S1 SB1	SYPHONIC BREAK CHAMBER.
R	-RAIN WATER DOWN PIPE.
SDP	-SYPHONIC RAIN WATER DOWN PIPE.
RE	-RODDING EYE.
YG	-YARD GULLY, 100Ø OUTLET.
RG	-ROAD GULLY, 150Ø OUTLET.
SU	-CHANNEL DRAIN AND SUMP/GULLY UNIT.
SPS	-SURFACE WATER PUMPING STATION.
	-PUMPED SURFACE WATER RISING MAIN.
HB	-HYDRO-BRAKE FLOW CONTROL MANHOLE.
▨	-BELOW GROUND GEOLIGHT SURFACE WATER ATTENUATION STORAGE SYSTEM BY SDS (TEL: 01934 751 303).
PI VENT	-CLASS 1 BY-PASS SEPARATOR BY SPEL PRODUCTS (TEL: 01743 445 200) OR EQUIVALENT.
150Ø, 1:80	-FOUL WATER DRAIN.
F1	-FOUL WATER CHAMBER.
SS	-STUB STACK.
AAV	-AIR ADMITTANCE VALVE (DURGO).
SVP	-SOIL AND VENT PIPE.
BIG	-TRAPPED BACK INLET GULLY, 100Ø OUTLET.
FG	-TRAPPED FOUL GULLY, 100Ø OUTLET.
SG	-RODDABLE, TRAPPED SHOWER GULLY, 100Ø OUTLET.
TDG	-TUNDISH GULLY, 100Ø OUTLET.
STG	-SEALED TOP GULLY, 100Ø OUTLET.
OTG	-OPEN TOP GULLY, 100Ø OUTLET.
100Ø, 1:60	-CONDENSATE DRAIN.
Cd1	-CONDENSATE DRAINAGE CHAMBER.
AF	-CONDENSATE DRAINAGE ANTI-FLOOD CHAMBER (1500Ø).
COG	-CONDENSATE OVERFLOW GULLY.
CP	-CONDENSATE DRAIN POINT.
Cd RE FAI	-CONDENSATE RODDING EYE WITH EXTERNALLY LOCATED FRESH AIR INLET (FAI).
	-CONDENSATE TRAP AND ANTI-FLOOD VALVE.

GENERAL

	-EXISTING LEVEL.
× *(50.00)*	-EXISTING LEVEL INTERPOLATED.
× 50.00	-PROPOSED LEVEL.
1:50	-PROPOSED FALL.

POST CONSTRUCTION ISSUE

NOTES

1. DO NOT SCALE THIS DRAWING.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
3. BASE DRAWING INFORMATION IS TAKEN FROM THE FOLLOWING:
   a. SHAW COLEGATE , 14107_TOPO , , REV A
   b. CHQ PARNERSHIP LTD , DRAWING TITLE PROPOSED SITE PLAN , CHQ-12-9691-400.
   b. CHQ PARNERSHIP LTD , PROPOSED STORE PLAN , 2296G01-SP , REV-
4. PUBLIC SEWER INFORMATION, AND STATUTORY SERVICE INFORMATION IF SHOWN IS BASED ON INFORMATION PROVIDED BY OR INTERPOLATED FROM PUBLIC SEWER AUTHORITY AND SERVICE PROVIDERS RECORDS. ALL INFORMATION RELATING TO SEWERS AND SERVICES TO BE VERIFIED ON SITE BY CONTRACTOR AND ENGINEER INFORMED IF INFORMATION DIFFERS FROM THAT SHOWN.
5. INVERT LEVELS OF EXISTING DRAINAGE AT PROPOSED OUTFALL TO BE VERIFIED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION OF ANY DRAINAGE.

Mark	Date	By	Chkd.	Revision notes
X1	16/01/13			GREEN TOPPER SITE PLAN UPDATED.
X	7/11/12	NMH		POST CONSTRUCTION ISSUE.
L	27/9/12	NMH		SITE AND STORE PLAN AMENDED, LEVELS ADDED TO GREEN TOPPER AREA .
K	11/07/12	NMH		SURFACE WATER DRAINAGE AMENDED.
J	09/06/12	NMH		FOUL & SURFACE WATER DRAINAGE REVISED.
H	28/05/12	NMH		FOUL & SURFACE WATER DRAINAGE REVISED.

Mark	Date	By	Chkd.	Revision notes
G	23/05/12	NMH		ACCESS ROAD LEVELS ADDED.
F	18/05/12			DISTRIBUTION PIPE THROUGH ATTENUATION TANK AMENDED TO TWIN 450Ø.
E	14/05/12			STORE PLAN UPDATED.
D	08/05/12			CAR PARK DRAINAGE AMENDED.
C	02/05/12			SURFACE WATER DRAINAGE AMENDED.
B	23/04/12	NMH		STORE AND SITE PLAN UPDATED, DRAINAGE LAYOUT AMENDED TO SUIT.
-	12/04/12	JDC		PRELIMINARY ISSUE.
-	23/03/12	JDC		PRELIMINARY ISSUE.

Job Title
SAINSBURY'S BOGNOR REGIS.

Drawing Title
ENGINEERING LAYOUT. SHEET 2 OF 2.

Client
SAINSBURY'S SUPERMARKETS LTD .

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Scales 1:250 at A0
Drn. JDC
Chkd.
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Drawing No. 00404
Rev. X1