NOTE: ALL DRAIN RUNS WITHIN DELIVERY YARD AND ACCESS ROAD TO HAVE CONCRETE BED & SURROUND.

SPRINKLER TANK & PUMP ROOM GULLIES TO BE CONNECTED TO FOUL DRAINAGE SYSTEM, REFER TO Drg. C02 FOR ROUTE.

Exg. FIELD DRAIN.

PROPOSED CHAMBER 61S TO INTERCEPT Exg. FIELD DRAIN. CL 5.40 (EGL), IL 5.00

150mmø DUCTILE IRON CONNECTION **INTO** DRAINAGE CHANNEL. CHANNEL IL 5.55

HATCHED AREAS OF CAR PARK DENOTES AREA OF TRADITIONAL NON POROUS CONSTRUCTION. POROUS SUB BASE IS NOT NEEDED TO ACHIEVE REQUIRED RETENTION RATES.

FOR DETAILS OF INTERNAL CONNECTIONS FROM STORE, REFER TO Drg. C02.

ATTENUATION TANK TO BE DESIGNED BY MANUFACTURER, AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR IS TO ENSURE THAT ALL ATTENUATION TANKS MEET THE REQUIREMENTS OF CIRIA DOCUMENT C680. CALCULATIONS CONFIRMING COMPLIANCE WILL BE REQUIRED BY THE ENGINEER AT LEAST 2 WEEKS PRIOR TO COMMENCING WORKS ON SITE.

DRAINAGE CHANNELS: ALL DRAINAGE CHANNELS TO BE GATIC CAST SLOT OR HAURATON RECYFIX HICAP

SIPHONIC DRAINAGE: SIPHONIC ROOF DRAINAGE SYSTEM TO BE RUN TO, AND DISCHARGE AT FRONT OF STORE. SURFACE WATER DESIGN IS SUBJECT TO FINAL SIPHONIC DESIGN BY OTHERS.

FOR DETAILS OF INTERNAL CONNECTIONS FROM STORE, REFER TO Drg. C02.

IN ABEYANCE: SURFACE WATER ACCESS ROAD DRAINAGE.

INLET FROM DIVERTED FIELD DRAIN TO BE FITTED WITH NON-RETURN FLAP.

NOTE: DRAIN RUN 15aS-13aS-13S-63S TO BE LAID WITH PIPES INVERTS LEVEL.

RENO MATRESS TO BOTTOM OF Exg. DITCH.

2No. SW OUTFALLS, IL 4.70, WITH PENSTOCK VALVES AS 90-60 SERIES BY HAM BAKER OR EQUIVALENT FIXED TO WALL.

APPROXIMATE LOCATION OF Exg. SOUTHERN WATER MAIN, IMPOSED FROM RECORD DRAWINGS.

MASS CONCRETE THRUST BLOCK AT CHANGE OF DIRECTION.

MASS CONCRETE THRUST BLOCK AT CHANGE OF DIRECTION.

FOUL RISING MAIN.

POST CONSTRUCTION DRAWING

'AS BUILT' INFORMATION PROVIDED BY CONTRACTOR AND INCORPORATED INTO DESIGN DRAWINGS.

General Notes:

1. DO NOT SCALE THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS, SCHEDULES AND SPECIFICATIONS.
3. THE LEVELS OF EXISTING DRAINAGE MUST BE CONFIRMED BY EXCAVATING TRIAL HOLES AT THE POINTS OF CONNECTION **PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS** .
4. FLOWS MUST BE MAINTAINED AT ALL TIMES, AT THE TIME OF MAKING NEW CONNECTIONS OVER-PUMPING MUST BE PROVIDED TO MAINTAIN FLOWS.
5. ANY REDUNDANT PIPEWORK AND MANHOLES SHALL BE EXCAVATED AND THE VOID BACKFILLED WITH WELL GRADED, GRANULAR MATERIAL WELL COMPACTED IN LAYERS TO *'THE SPECIFICATION FOR HIGHWAY WORKS SERIES 600 - EARTHWORKS'* , OR SEALED WITH CEMENT GROUT.
6. ALL TOPS TO BE TO BS EN 124 : 1994 WITH A Min. CLEAR OPENING OF 600 x 600mm OR 600mmØ.
7. D400 TOPS TO HAVE A FRAME DEPTH OF 150mm.
8. ALL NEW 100ø CONNECTIONS TO EXSTING 100 ø PIPEWORK TO BE MADE USING PROPRIETARY JUNCTION PIECE BANDSEAL CONNECTED TO EXISTING PIPEWORK.
9. ALL NEW PIPEWORK TO BE 150mm ø UNLESS NOTED OTHERWISE.
10. DRAINAGE CHANNELS, ATTENUATION TANK & PUMPING STATION TO BE DESIGNED BY MANUFACTURER, AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

Key:

— — — —	Exg. SURFACE WATER DRAINAGE.
— - — -	Exg. FOUL DRAINAGE.
-X-X-X-X-X-X-X-X-X-X-	REDUNDANT DRAINAGE
═ ═ ═ ═	PROPOSED DRAINAGE CHANNELS TO BE: GATIC CAST SLOT 600 or HAURATON RECYFIX HiCAP.
— · — · —	PROPOSED FOUL DRAINAGE.
—●— · —	PROPOSED FOUL MANHOLE.
— — — —	PROPOSED SURFACE WATER DRAINAGE.
— —○— —	PROPOSED SURFACE WATER MANHOLE.
RG □—IIIIII 150mmø IIIIII→	PROPOSED PERFORATED GULLY LEAD DISCHARGING AND DRAINING INTO AND OUT OF POROUS SUB BASE.
— · · — · · —	DENOTES SITE BOUNDARY.

RG	ROAD GULLY
YG	YARD GULLY.
CG	CHANNEL GULLY / SUMP UNIT.
R	RAINWATER DOWN PIPE.
SRWP	SIPHONIC RAINWATER DOWN PIPE.
RE	RODDING EYE / ACCESS POINT.
FO	FOUL OUTLET.
DROP	FIRST FLOOR DROP. (DRAIN FROM 1st FLOOR)
+ 123.45m	INDICATIVE PROPOSED SITE LEVELS.

Rev.	Date:	By:	Chkd:	Revision Notes:
X	Sept. '12	RG	CM	POST CONSTRUCTION ISSUE.
C	22.05.12	RG	PHT	IN ABEYANCE CLOUD REMOVED FROM FOUL DRAIN ADJACENT TO GL A. SIPHONIC RWP GL O/1 AND MH 9.1BC OMITTED
B	13.04.12	RG	PHT	FOUL PUMP STATION REVISED TO REFLECT PROPOSALS.
A	12.04.12	RG	PHT	MH61aS ADDED BETWEEN MH61S & MH63S. SRWP AT GL 1 / O-P AND CONNECTION TO TANK VIA MH9.1S ADDED. (AS Drg. C02 rev. A)
-	05.03.12	RG	PHT	ISSUED FOR CONSTRUCTION.
-	05.03.12	RG	PHT	SITE PLAN UPDATED TO SUIT ARCHITECTS LATEST LAYOUT. DRAINAGE AMENDED TO SUIT REVISED LAYOUT & CONNECTIONS FROM STORE. FOUL TREATMENT PLANT OMITTED IN LIEU OF PROPOSED LITTLEHAMPTON ROAD CONNECTION .
T5	02.02.12	RG	SG	SITE PLAN UPDATED. INTERCEPTOR REFERENCES REMOVED. (SHOWN ON SCHEDULE)
T4	10.01.12	RG	SG	CIRIA NOTE ADDED TO ATTENUATION TANK NOTE.
T3	01.12.11	RG	SG	DRAIN RUN S13 - S20 AMENDED TO 225mm ø AS SCHEDULE. TREATMENT PLANT NOTES EXTENDED. PUMP STATION VOLUME AMENDED.
T2	28.11.11	RG	SG	FRENCH DRAIN INDICATED TO EAST & SOUTH BOUNDARIES OF STORE.
T1	25.11.11	RG	SG	MANHOLE REFERENCES ADDED.
T-	09.11.11	RG	SG	TENDER ISSUE.
T-	09.11.11	RG	SG	BOUNDARY LINE INDICATED IN GREEN. TQ CO-ORDINATES ADDED. NOTE 9 UPDATED, NOTE 10 ADDED. NON POROUS CONSTRUCTION SEPARATED ADJACENT TO 3No. CAR PARK CHANNELS. LINK BETWEEN OVERFLOW CAR PARKS 1 & 2 DIVERTED AROUND HIGHWAY BOUNDARY.
P2	26.10.11	RG	SG	SECTION OF CAR PARK (NORTH END) DENOTED AS NON POROUS CONSTRUCTION, GULLY LEAD DIRECTION UPDATED TO SUIT. INTERCEPTOR INDICATED ALONG CYCLE/WALKWAY. STORAGE TANK SIZE REDUCED (82x21x0.5 to 82x17x0.5)
P1	17.10.11	RG	SG	Exg. SOUTHERN WATER MAIN INDICATED, PERFORATED OUTLETS EXTENDED TO SUIT CURRENT DESIGN REQUIREMENTS, FOUL DRAINAGE TREATMENT ARRANGEMENT UPDATED, 5No. HYDROBRAKE CHAMBERS INDICATED (PREVIOUSLY NOTED) . STORAGE TANK PLAN SIZE AMENDED TO SUIT ROOF PLANT CRANE SITING.
P-	03.10.11	RG	SG	ISSUED FOR INFORMATION.

Project:
FERRING.

Client:
ASDA
part of the WAL★MART family

Drawing:
DRAINAGE PROPOSALS.

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Scale: 1:500 at A1, 1:1000 at A3
Drawn: RG Checked: SG Date: Oct' 11
Job No: Drawing No: 11-046-C.01
Rev: X

ARUN DISTRICT COUNCIL FG/149/18/DOC