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DO NOT SCALE

NOTES

DRAINAGE KEY:

- PROPOSED SURFACE WATER DRAIN
- PROPOSED FOUL DRAIN
- FW PROPOSED FOUL WATER MANHOLE
- SW PROPOSED SURFACE WATER MANHOLE
- G PROPOSED ROAD GULLY
- BD MANHOLE WITH BACKDROP CONNECTION

PROPOSED UNIT
FFL=39.000

PLOT D

TEMPORARY LAND-DRAIN CONNECTION TO 900ø PIPE

TAIL FOR FUTURE DEVELOPMENT 150ø 1/100 IL=36.540

TAIL FOR FUTURE DEVELOPMENT 750ø 1/250 IL=34.990 ALLOWABLE CATCEMENT AREA = 44000m2

INTERCEPTOR 3

NOTE: 450ø PIPE SOFFITS NOT LEVEL WITH 1200ø IN MANHOLE SW5

TAIL FOR FUTURE DEVELOPMENT 150ø 1/100 IL=35.738

TAIL FOR FUTURE DEVELOPMENT 375ø 1/250 IL=34.369 ALLOWABLE CATCEMENT AREA = 7700m2

DRAINAGE CHANNEL
12m S12310(150)
12m S12315(225)

GATIC OUTLET CL 36.350 IL 34.880

DRAINAGE CHANNEL
35m S12315(225)
27m S12320(300)
15m S12325(400)

DRAINAGE CHANNEL
12m S12310(150)
12m S12315(225)

GATIC OUTLET CL 36.880 IL 34.728

DRAINAGE CHANNEL
41m S12315(225)
27m S12320(300)
15m S12325(400)

450ø 1/250

1200ø 1/250

375ø 1/250

SW1 SW2 SW3 SW4 SW5 SW6

SW & FW TAIL FOR GATEHOUSE, DETAILS TO BE AGREED

FW1A FW1B FW1C FW1D

PIPE IL = 31.550
BED LEVEL = 32.550

225ø 1/150

CONTRACTOR TO INVESTIGATE INVERT LEVELS OF EXISTING DRAINS/SERVICES WITHIN NEW DRAIN CROSSING WORKS

EXISTING 225ø TAIL IL=27.675
INVERT LEVELS TO BE CONFIRMED ON SITE, TAIL LOCATED 1.8m FROM FACE OF COMPOUND

NOTE:
600ø PIPE IS SOFFITS LEVEL WITH 750ø PIPE

GATIC OUTLET CL 38.500 IL 37.375

INTERCEPTOR 1

INTERCEPTOR 2

GATIC OUTLET CL 37.475 IL 36.050

DRAINAGE CHANNEL
36m S13310(225)
42m S13315(300)
84m S13320(400)
96m S13325(500)
15m S13330(600)

FW1 FW2 FW3 FW4 FW5 FW6 FW7 FW8 FW9 FW10 FW11 FW12 FW13 FW14 FW15 FW16 FW17 FW18 FW19 FW20 FW21 FW22 FW23 FW24 FW25

SW11 SW12 SW13 SW14 SW15 SW16 SW17 SW18 SW19 SW20 SW21

225ø 1/150 225ø 1/147 225ø 1/167 600ø 1/21 600ø 1/53

MANHOLE CL 37.670 IL 36.500

MANHOLE CL 39.000 IL 36.188

MANHOLE CL 39.000 IL 37.800

MANHOLE CL 39.000 IL 36.434

FOUL CONNECTION TO MANHOLE FROM BUILDING TO VIA BACKDROP IF REQUIRED (TYPICAL)

PIPES TO BE 'TIMESAVER' SYSTEM BY SAINT GOBAIN OR SIMILAR APPROVED

150ø CAST IRON PIPE WITH FLEXIBLE COUPLINGS @ 1:30

GATIC TAKEN UNDER KERBED ISLANDS WITH GATIC LANDSCAPE CONNECTORS (TYPICAL)

FOUL CONNECTION TO MANHOLE FROM BUILDING TO VIA BACKDROP IF REQUIRED (TYPICAL)

2No. SUMP PUMPS BY PRESTIGE PUMPS LTD (01924 379948) PUMP Ref: 'PRESTIGE 1 MA'

RISING MAIN

GATIC OUTLET CL 38.040 IL 36.840

GATIC OUTLET CL 38.475 IL 37.350

DRAINAGE CHANNEL
34m S13305(150)
27m S13310(225)

DRAINAGE CHANNEL
21m S12305(100)
27m S12310(150)
12m S12315(225)

DRAINAGE CHANNEL
34m S13305(150)
9m S13310(225)

DRAINAGE CHANNEL
19m S12310(150)
24m S12315(225)

FOUL WATER PUMPING STATION TO BE PACKAGE TYPE SUPPLIED BY:
PUMPTEC LTD
Unit A10, Ledston Luck Ent. Park, Ridge Rd, Leeds, West Yorkshire, LS25 7BS
Tel: 0113 286 0813
OR SIMILAR APPROVED, PROVIDED WITH DUTY AND STANDBY PUMPS, CONTROL PANEL AND KIOSK, MONITOR, VISUAL ALARM AND PROVIDED WITH HEAVY DUTY COVER.
HEAD=TBA
COVER LEVEL=38.925
IL(150ø INLET)=33.815
IL(OUT)=37.450
FLOW RATE=5L/Sec

INTERCEPTOR No.4, CLASS 1 FULL RETENTION MIN CAPACITY 7500 litres CL=38.200

DOUBLE GATIC CHANNEL TO EACH END OF FUEL ISLAND REF: 14m S13355

GULLY FOR SPRINKLER TANK DISCHARGE

GATIC OUTLET CL 37.445 IL 36.200

TAIL FOR FUTURE DEVELOPMENT 600ø 1/250 IL=33.490 ALLOWABLE CATCEMENT AREA = 23100m2

TAIL FOR FUTURE DEVELOPMENT 150ø 1/100 IL=32.185

FLOW CONTROL CHAMBER IL=32.149

OUTFALL HEADWALL IL=32.027

IL=32.500 E440710.873, N408074.610

IL=34.500 E440601.468, N407988.476

STORAGE POND
SEE JPG DRAWING No. 3823-D4 FOR DETAILS
BASE LEVEL=32.500

LOCATION OF CONNECTION TO WORKSHOP/STORE TO BE CONFIRMED

RAINWATER PIPE CONNETIONS TAKEN TO GATIC CHAMBER

MANHOLE FOR DISCHARGE FROM VEHICLE WASH. WASH PROVIDED WITH CLASS 1 FULL RETENTION INTERCEPTOR

SILT PIT CL 38.050 IL 37.300 BASE 36.800

BRICK SAMPLING CHAMBER. SEE JPG DRAWING No. 3823-58 FOR DETAILS

GATIC TAKEN UNDER RAMP WITH GATIC LANDSCAPE CONNECTORS (TYPICAL)

TAIL CAPPED OFF AND SEALED IN MANHOLE

SILT PIT CL 38.250 IL 37.220 (150) IL 37.145 (225) BASE 36.645

SILT PIT CL 38.400 IL 37.057 BASE 36.557

SILT PIT CL 38.400 IL 36.971 BASE 36.471

SILT PIT CL 38.525 IL 36.933 BASE 36.433

SILT PIT CL 35.800 IL 34.975 BASE LEVEL 34.475

150ø PERFORATED LAND-DRAIN 1/215

150ø PERFORATED LAND-DRAIN 1/1000

225ø PERFORATED LAND-DRAIN 1/1000

225ø PERFORATED LAND-DRAIN

225ø PERFORATED LAND-DRAIN 1/100

NOTE:
THIS DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWING;
3823-D2 – DRAINAGE LAYOUT (SHEET 2)

NOTE:
MANHOLE COVERS SHOULD TO BE PAINTED AS FOLLOWS;
FOUL WATER – RED TRIANGLE
SURFACE WATER – BLUE CIRCLE
OTHER DRAW PITS etc – GREEN SQUARE

REV	DESCRIPTION	DATE	BY
P	AS BUILT	17.09.07	KK
N	TRANSPORT POD MOVED, FW24 & FW25 ADDED	14.06.07	AF
M	MANHOLE FW23 ADDED TO PLAN	25.05.07	AF
L	GULLY ADDED ADJACENT SPRINKLER TANK	20.02.07	AF
K	ADDITIONAL SUMP PUMP ADDED TO OFFICE. CANOPY RWP's REVISED TO GRID 37, FOUL DRAIN FW1 OMITTED FW18 – FW10 ADDED	29.01.07	AF
J	SUMP PUMP ADDED TO SERVER ROOM. MANHOLE COVER COLOUR NOTES ADDED	12.01.07	AF
H	MANHOLES FW21, FW21a, FW22a REPOSITIONED TO SUIT INTERNAL FW DRAINAGE. SW17–SW21 REPOSITIONED TO SUIT SIPHONIC DOWNPIPE POSITIONS	14.12.06	AF
G	INVERT LEVELS TO FW4, FW5, FW7 & FUTURE TAIL REVISED	04.12.06	AF
F	GATIC CHANNEL REFERENCES ADDED	28.11.06	RAK
E	MANHOLES SW12–SW15, SW18–SW22 FW9, FW10, FW13, FW15 FW20–FW22 MOVED, MANHOLES FW21a, FW22a, FW22b, SW12a & SW12b ADDED CANOPY RWP's ADDED	03.11.06	AF
D	NOTES ADDED TO DRAIN RUN FW1–FW1A	18.10.06	AMF
C	FUEL AREA DRAINAGE UPDATED GATICS ADDED TO OFFICE CAR PARK/YARD. FW18 (PUMP) MOVED, RUN FW20–FW3 SIZE CHANGED, LAND–DRAINAGE ADDED	07.10.06	AMF
B	DRAINAGE DETAILS ADDED AROUND BUILDING	02.10.06	RPB
A	GULLIES ADDED TO ROUNDABOUT	27.09.06	AMF

Job Title
PROJECT ASHES
GRIMETHORPE

Drawing Title.
DRAINAGE LAYOUT
(SHEET 1 OF 2)

AS BUILT

Architect
GARNETT NETHERWOOD ARCHITECTS

JORDAN PRITCHARD GORMAN
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2 Gemini Business Park
Sheepscar Way Leeds LS7 3JB
Tel 0113 262 8818 Fax 262 6075

Checked	Date	Scale	Drawn
	04.09.06	1:500	AMF

Drawing No 3823–D1 P