MUGA PITCH DRAINAGE TO REMAIN AS EXISTING. EXISTING DRAINAGE RECORDS FOR MUGA PITCH TBC. CCTV SURVEY WORKS ON SITE 12TH JUNE 23. DRAWING TO BE UPDATED TO INCLUDE FINDINGS.

EXISTING HARD STANDING AREA (2084m²) TO BE REMOVED FROM EXISTING DRAINAGE SYSTEM. PROPOSED AREA TO BE LANDSCAPED. ANY HARD STANDING AREAS TO BE PERFORATED OR BROKEN UP TO ALLOW FOR NATURAL PERCOLATION.

PROPOSED CELLULAR STORAGE. 235m² x 0.8dp x 0.95VR = 178m³. MINIMUM COVER TO BE CONFIRMED BY MANUFACTURER. LEVELS ABOVE TANK IN LANDSCAPED AREA ADJUSTED TO SUIT REQUIREMENTS.

CONNECT TO EXISTING SW DRAIN

EXISTING AREA TO DRAIN TO EXISTING SYSTEM VIA GULLIES, AS EXISTING. ANY LEVELS AMENDED IN THIS AREA TO BE LAID TO FALL TOWARDS EXISTING GULLIES.

EXISTING AREA TO DRAIN TO EXISTING SYSTEM VIA NEW LINEAR CHANNEL. GROUND LEVELS TO FALL TOWARDS LINEAR CHANNEL.

ONLY AREA BOUNDED BLACK HAS BEEN ACCOUNTED FOR WITHIN THE PROPOSED DRAINAGE SYSTEM.

10m OFFSET AS REQUESTED BY CONTRACTOR

CONTRACTOR TO CONFIRM DOWNSTREAM RUN IS FOUL, PIPEWORK DIAMETER, CONDITION AND INVERT LEVEL.

ABOVE GROUND DRAINAGE (SUSPENDED FROM SLAB) BY OTHERS. INDICATIVE ROUTE SHOWN ONLY.

ASSUMED ROUTE TBC

150mmØ ALTHON NRV FITTED TO EXIT PIPE

CONNECT TO EXISTING MANHOLE

EXISTING AREA TO DRAIN TO EXISTING SYSTEM. LEVELS AMENDED IN THIS AREA TO BE LAID TO FALL TOWARDS PROPOSED LINEAR DRAIN.

EXISTING POP UP LOCATED HERE. TBC.

DIVERTED RUN - COLLECTS SW FROM EXISTING BUILDING. TBC ON SITE.

PROPOSED FOUNDATIONS SHOWN IN CLOSE PROXIMITY TO EXISTING DRAIN. CARE TO BE TAKEN AND PIPEWORK TO BE PROTECTED DURING CONSTRUCTION.

FLOW CONTROL CHAMBER.
5 l/s MAX DISCHARGE RATE FOR ALL STORMS UP TO AND INCLUDING 1 IN 100 YEAR PLUS 45% CLIMATE CHANGE AND 10% URBAN CREEP.
DESIGN HEAD: 750mm.
100YR + CC WL = 54.932m AOD

100mmØ SVPS TO BEND 300mm BELOW UNDERSIDE OF SLAB UNO.
150mmØ SVPS TO BEND 350mm BELOW UNDERSIDE OF SLAB UNO.

REDUCE FOUNDATION DEPTH TO ALLOW PIPE WORK TO PASS BELOW OR DEEPEN FOUNDATIONS AND PASS PIPE WORK THROUGH

EXISTING BELOW GROUND DRAINAGE IN KITCHEN AREA NOT SURVEYED, TBC BY CONTRACTOR.

EXISTING 225Ø CONNECTION TO MANHOLE 31 AS CONFIRMED IN LAYER SURVEYS CCTV REPORT.

EX MH 31
CL: 55.57
IL: 53.68
TBC ON SITE PRIOR TO WORKS

EX MH ??
CL: 55.50
IL: 54.72
TBC ON SITE PRIOR TO WORKS

EX MH 20
CL: 55.70
IL: 53.22

PUBLIC SEWER EASEMENT

S10-CP CL: 55.66 IL: 54.16
FCC CL: 55.60 IL: 54.10
S11 CL: 55.55 IL: 53.91
SD2 CL: 55.72 0 IL: 53.73 1 IL: 53.85 2 IL: 53.73
F9 CL: 55.67 IL: 54.64
F8 CL: 55.68 IL: 54.77
SD1 CL: 55.72 IL: 54.02
S7 CL: 55.70 IL: 54.68
F10 CL: 55.67 IL: 54.40
SD3 CL: 55.72 IL: 53.66
S8 CL: 55.69 IL: 54.57
S9 CL: 55.40 0 IL: 54.30 1 IL: 54.38 2 IL: 54.45
F11 CL: 55.69 IL: 54.08 225Ø IL: 54.16 150Ø EXISTING IL AND SETTING OUT TBC
SD4 CL: 55.70 0 IL: 53.49 1 IL: 53.52 2 IL: 53.79
S6 CL: 55.57 IL: 54.68
F6 CL: 55.70 IL: 54.44
F5 CL: 55.72 IL: 54.83
F3 CL: 55.72 IL: 54.50
SD5 CL: 55.72 IL: 53.95
F12 CL: 55.50 IL: tbc
F19 - INT CL: 55.85 IL: 55.20
F18 CL: 55.67 IL: 54.90
F21 - Rebuild CL: 55.67 IL: 54.82
SD9 CL: 56.24 IL: 53.65
SD6 CL: 55.43 0 IL: 53.38 1 IL: 53.38 2 IL: 53.68
SD7 CL: 56.24 IL: 53.28
S1 CL: 55.70 IL: 54.60
F16 CL: 55.70 IL: 55.07
F17 CL: 55.70 IL: 54.91
SD8
F1 CL: 55.63 IL: 54.87
F2 CL: 55.63 IL: 54.82
FFL: 55.75
FFL: 55.85

KEY:

- SITE BOUNDARY
- EXISTING PUBLIC COMBINED SEWER
- EXISTING PRIVATE FOUL
- EXISTING PRIVATE SURFACE
- EXISTING PRIVATE COMBINED
- EXISTING PRIVATE SURFACE (ASSUMED)
- EXISTING PRIVATE FOUL (ASSUMED)
- EXISTING BGD TO BE ABANDONED
- PROPOSED DIVERTED SURFACE BGD
- PROPOSED SURFACE WATER BGD
- PROPOSED FOUL WATER BGD
- PROPOSED RAIN WATER PIPE AND CONNECTION. SIZE 150mm UNO AND SETTING OUT TBC BY ARCHITECT.
- PROPOSED SOIL VENT PIPE / SUB STACK AND 100mm CONNECTION UNO.
- EXISTING SOIL VENT PIPE
- EXISTING FLOOR GULLY
- EXISTING SINK OUTLET
- EXISTING RAIN WATER PIPE TO BE RELAID AS 150mm TO EXISTING DRAINAGE SYSTEM OR DIVERTED DRAINAGE SYSTEM
- EXISTING GULLY TO REMAIN
- RELAYED EXISTING RWP CONNECTION. 150mm UNO.
- PROPOSED LINEAR CHANNEL AND CONNECTION. ACO TYPE AS SELECTED BY CONTRACTOR. ACCESS AND OUTLET BOXES REQUIRED TO EACH END. SIZES TBC FOLLOWING ACO DESIGN. CONTRACTOR TO ADVISE.
- PROPOSED FLOW CONTROL. AQUABRAKE TYPE AS SELECTED BY THE CONTRACTOR.
- PROPOSED CELLULAR STORAGE IN ACCORDANCE WITH C737. POLYSTORM PSMA1 AS SELECTED BY THE CONTRACTOR. REFER TO MANUFACTURER DESIGN.
- PROPOSED BIOSOLAR ROOF
- AREA TAKEN OUT OF EXISTING DRAINAGE SYSTEM AND REPLACED WITH LANDSCAPING
- AREA TO DRAIN AS EXISTING
- EXISTING SLAB TO BE BROKEN OUT TO INSTALL NEW DRAINAGE CONNECTION.
- FOUNDATIONS.
- PIPEWORK TO PASS THROUGH, ABOVE OR BELOW FOUNDATION.
- EXISTING SURVEYED BELOW SLAB PIPE WORK PROVIDED MY MORGAN SINDALL. CONFIRMED AS 100mm AND IN GOOD CONDITION. TO BE REUSED WHERE POSSIBLE.

DRAINAGE DESIGN SUBJECT TO APPROVAL FROM THE LEAD LOCAL FLOOD AUTHORITY AND UNITED UTILITIES.

C02	05.07.24	UPDATED TO SUIT CONTRACTOR PREFERRED TANK LOCATION	CD	SW	CB
C01	19.06.24	STAGE 5 - CONSTRUCTION	CD	SW	CB
P02	22.03.24	ADDITIONAL EXISTING POP UPS ADDED	AA	CD	CD
P01	02.11.23	PRELIMINARY	AA	CD	CD
Rev	Date	Description	By	Check	App.

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Client: MORGAN SINDALL CONSTRUCTION

Project: DIXON NEWALL GREEN ACADEMY

Office: ALTRINCHAM

Discipline: CIVIL

Title: DRAINAGE LAYOUT

Scale @ A1: 1:500

Status: CONSTRUCTION

DRAWINGS BASED ON THE FOLLOWING INFORMATION

- TOPOGRAPHICAL SURVEY - 14692-TOPO-2D
- GPR SURVEY - 14692_T+UG
- UNITED UTILITIES SEWER RECORDS
- SITE LAYOUT - FS0998-IBI-A-14-XX-D-L-7004
- BUILDING LAYOUT 00 - FS0998-IBI-A-2-00-D-A-3101
- FOUNDATIONS - FS0998-CCL-SE-1-XX-D-S-3001 & 3002 C01.
- A&B ENGINEERS DRAWING 5201 & 5201 P01.
- EXISTING POP UPS TAKEN FROM MORGAN SINDALL MARK UP RECEIVED 21.04.23 (NEWALL GREEN SCHOOL - GF PLANS - POP UP LOCATIONS).
- EXISTING BELOW SLAB DRAINAGE TAKEN FROM MORGAN SINDALL CCTV SURVEY MARK UP RECEIVED 24.05.24.
- EXISTING RWP POSITIONS TAKEN FROM TOPOGRAPHICAL SURVEY.

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Job Number	Originator	Building/Zone	Level
FS0998	CCL	SE-8	XX
Type	Discipline	Drawing No.	Revision
D	C	5210	C02