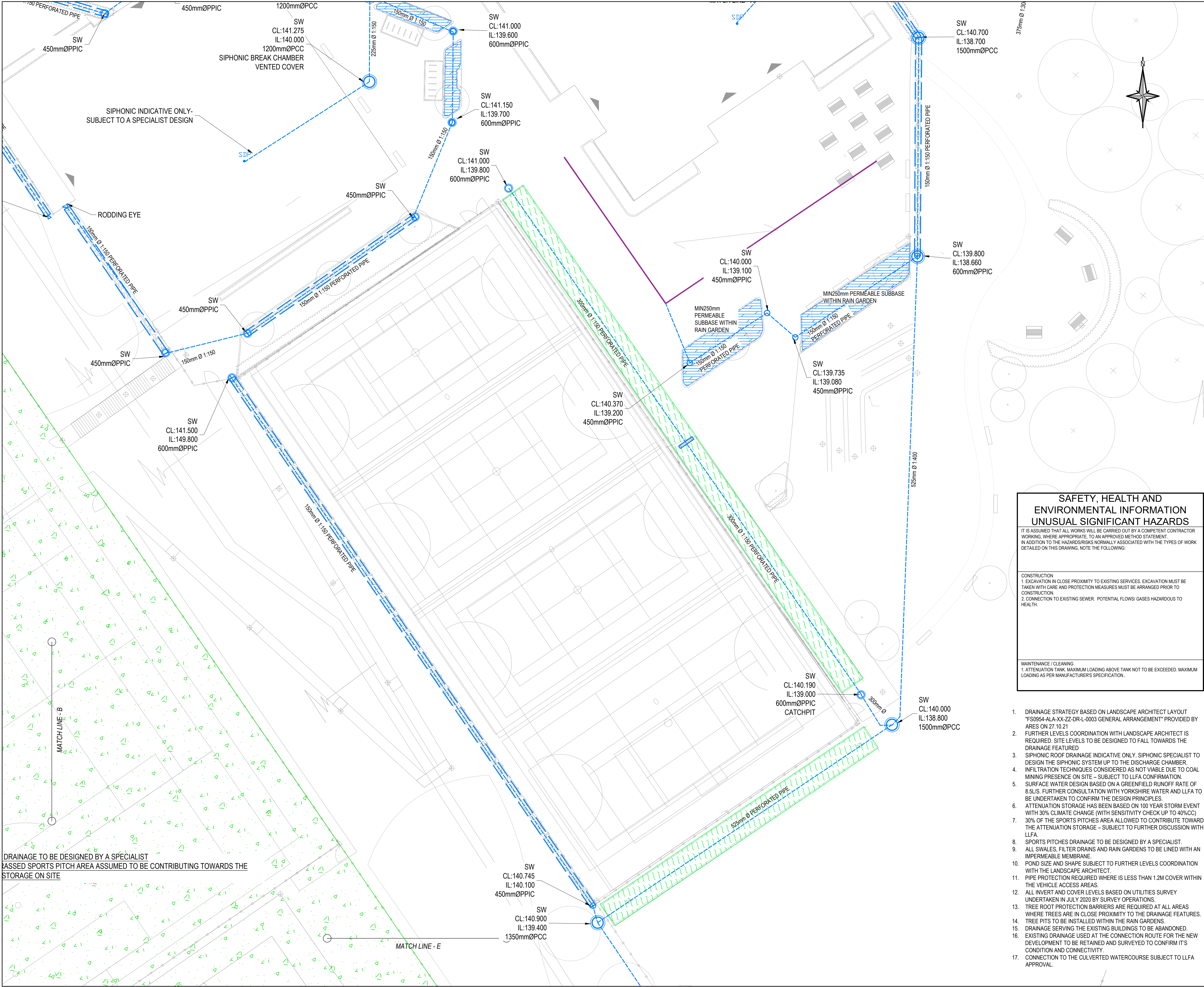




DRAINAGE TO BE DESIGNED BY A SPECIALIST
PASSED SPORTS PITCH AREA ASSUMED TO BE CONTRIBUTING TOWARDS THE
STORAGE ON SITE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
UNUSUAL SIGNIFICANT HAZARDS

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT. IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION
1. EXCAVATION IN CLOSE PROXIMITY TO EXISTING SERVICES. EXCAVATION MUST BE TAKEN WITH CARE AND PROTECTION MEASURES MUST BE ARRANGED PRIOR TO CONSTRUCTION.
2. CONNECTION TO EXISTING SEWER. POTENTIAL FLOWS/ GASES HAZARDOUS TO HEALTH.

MAINTENANCE / CLEANING
1. ATTENUATION TANK, MAXIMUM LOADING ABOVE TANK NOT TO BE EXCEEDED, MAXIMUM LOADING AS PER MANUFACTURERS SPECIFICATION.

- DRAINAGE STRATEGY BASED ON LANDSCAPE ARCHITECT LAYOUT "FS0954-ALA-XX-ZZ-DR-L-0003 GENERAL ARRANGEMENT" PROVIDED BY ARES ON 27.10.21
- FURTHER LEVELS COORDINATION WITH LANDSCAPE ARCHITECT IS REQUIRED. SITE LEVELS TO BE DESIGNED TO FALL TOWARDS THE DRAINAGE FEATURED
- SIPHONIC ROOF DRAINAGE INDICATIVE ONLY. SIPHONIC SPECIALIST TO DESIGN THE SIPHONIC SYSTEM UP TO THE DISCHARGE CHAMBER.
- INFILTRATION TECHNIQUES CONSIDERED AS NOT VIABLE DUE TO COAL MINING PRESENCE ON SITE – SUBJECT TO LLFA CONFIRMATION.
- SURFACE WATER DESIGN BASED ON A GREENFIELD RUNOFF RATE OF 8.5L/S. FURTHER CONSULTATION WITH YORKSHIRE WATER AND LLFA TO BE UNDERTAKEN TO CONFIRM THE DESIGN PRINCIPLES.
- ATTENUATION STORAGE HAS BEEN BASED ON 100 YEAR STORM EVENT WITH 30% CLIMATE CHANGE (WITH SENSITIVITY CHECK UP TO 40%CC)
- 30% OF THE SPORTS PITCHES AREA ALLOWED TO CONTRIBUTE TOWARDS THE ATTENUATION STORAGE – SUBJECT TO FURTHER DISCUSSION WITH LLFA.
- SPORTS PITCHES DRAINAGE TO BE DESIGNED BY A SPECIALIST.
- ALL SWALES, FILTER DRAINS AND RAIN GARDENS TO BE LINED WITH AN IMPERMEABLE MEMBRANE.
- POND SIZE AND SHAPE SUBJECT TO FURTHER LEVELS COORDINATION WITH THE LANDSCAPE ARCHITECT.
- PIPE PROTECTION REQUIRED WHERE IS LESS THAN 1.2M COVER WITHIN THE VEHICLE ACCESS AREAS.
- ALL INVERT AND COVER LEVELS BASED ON UTILITIES SURVEY UNDERTAKEN IN JULY 2020 BY SURVEY OPERATIONS.
- TREE ROOT PROTECTION BARRIERS ARE REQUIRED AT ALL AREAS WHERE TREES ARE IN CLOSE PROXIMITY TO THE DRAINAGE FEATURES. TREE PITS TO BE INSTALLED WITHIN THE RAIN GARDENS.
- DRAINAGE SERVING THE EXISTING BUILDINGS TO BE ABANDONED. EXISTING DRAINAGE USED AT THE CONNECTION ROUTE FOR THE NEW DEVELOPMENT TO BE RETAINED AND SURVEYED TO CONFIRM IT'S CONNECTION AND CONNECTIVITY.
- CONNECTION TO THE CULVERTED WATERCOURSE SUBJECT TO LLFA APPROVAL.

GENERAL NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO CURTINS DRAWING "FS0954-CUR-ZZ-XX-DR-C-9000_GENERAL INFRASTRUCTURE NOTES"

TO BE READ IN CONJUNCTION WITH:
-FS0954-CUR-ZZ-ZZ-DR-C-9000-GENERAL INFRASTRUCTURE NOTES
-FS0954-CUR-ZZ-ZZ-DR-C-9200-FOUL WATER DRAINAGE LAYOUT
-FS0954-CUR-ZZ-ZZ-DR-C-9201-SURFACE WATER DRAINAGE LAYOUT SHEET 1 OF 5
-FS0954-CUR-ZZ-ZZ-DR-C-9203-SURFACE WATER DRAINAGE LAYOUT SHEET 3 OF 5
-FS0954-CUR-ZZ-ZZ-DR-C-9204-SURFACE WATER DRAINAGE LAYOUT SHEET 4 OF 5
-FS0954-CUR-ZZ-ZZ-DR-C-9205-SURFACE WATER DRAINAGE LAYOUT SHEET 5 OF 5
-FS0954-CUR-ZZ-ZZ-DR-C-9206-SURFACE WATER DRAINAGE LAYOUT KEY PLAN
-FS0954-CUR-ZZ-ZZ-DR-C-9207-DRAINAGE CONSTRUCTION DETAILS SHEET 1 OF 2
-FS0954-CUR-ZZ-ZZ-DR-C-9208-DRAINAGE CONSTRUCTION DETAILS SHEET 2 OF 2

KEY

PROPOSED SURFACE WATER DRAIN

PROPOSED SIPHONIC PIPE

FILTER DRAIN WITH PERFORATED PIPE

RAIN GARDEN

GATIC SLOT DRAIN

MONODRAIN WITH INTERNAL SLOPE

PROPOSED RODDING POINT

PROPOSED SURFACE WATER GULLY

ACO SWALE INLET

CHECK DAMS

DRAINAGE WEIR/HOLLOW KERB

PROPOSED SURFACE WATER TANK

PROPOSED SuDS MUGA / SPORTS PITCH

PROPOSED CONVEYANCE SWALE

ATTENUATION POND

GRASSED SPORTS PITCH - DRAINAGE SUBJECT TO A SPECIALIST DESIGN

EX. PRIVATE SURFACE WATER SEWER TO BE RETAINED

P04	PLANNING ISSUE	26.11.21	JW	AS
P03	UPDATED TO SUIT LATEST SITE LAYOUT AND CONTRACTORS COMMENTS	27.10.21	AS	AS
P02	DRAFT CP ISSUE	15.10.21	JW	AS
P01	ISSUED FOR COSTING	13.10.21	JW	AS
Rev:	Description:	Date:	By:	Chkd:

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Status:

PLANNING

Project:

TRINITY ACADEMY, BARNSELEY

Orig Title:

SURFACE WATER DRAINAGE LAYOUT
SHEET 2 OF 5

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:		
079532	A1	13.10.21	JW	JW	AS		
Scale: 1:200							
Project Code:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:

FS0954 - CUR - ZZ - ZZ - DR - C - 9202 - P04