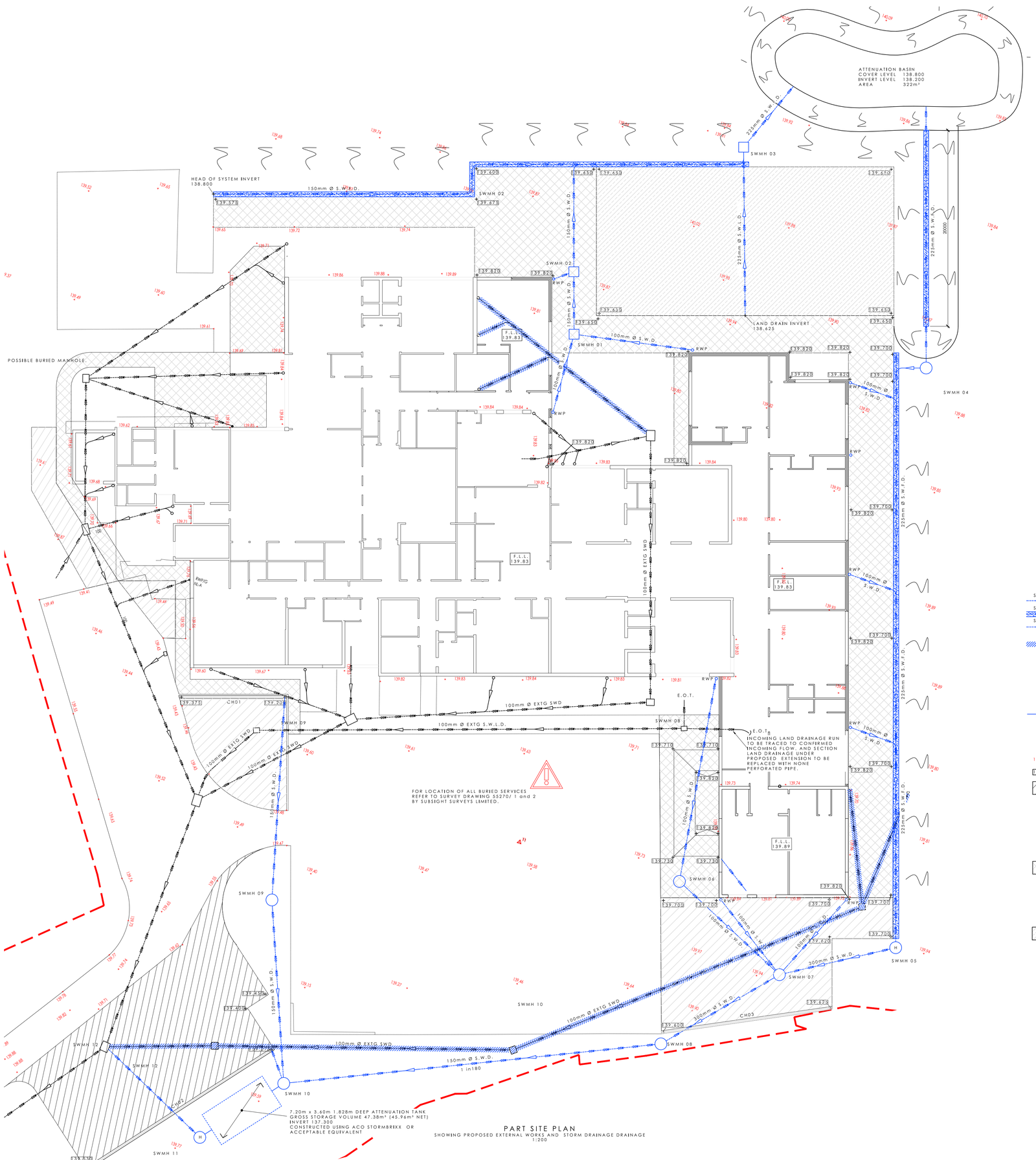
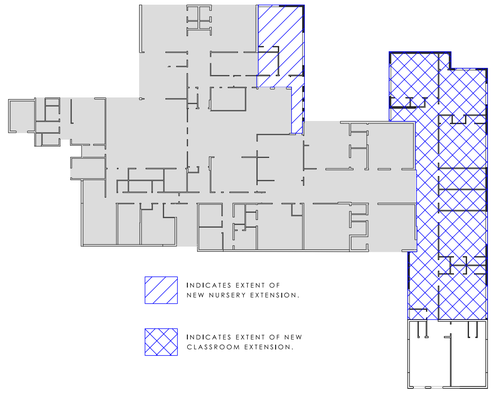


PART SITE PLAN
SHOWING PROPOSED EXTERNAL WORKS AND STORM DRAINAGE DRAINAGE
1:200



KEY PLAN
1:500

CHANNEL SCHEDULE

CHANNEL REF.	APPROX LENGTH (m)	CHANNEL TYPE	GRATING TYPE	INVERT DEPTH (mm)	OUTLET DIA. (mm)
CH01	10.5	PD150D 20.0	D400	285	150
CH02	22.5	PD150D 20.0	D400	285	150
CH03	22.5	PD150D 20.0	D400	285	150

ALL CHANNELS BY MESSRS ACO OR ACCEPTABLE EQUIVALENT, INSTALLED STRICTLY IN ACCORADANCE WITH MANUFACTURTURES RECOMMENDATIONS

STORM MANHOLE SCHEDULE

MANHOLE No.	COVER LEVEL No. (m)	INVERT LEVEL No. (m)	DEPTH TO INVERT (m)	MANHOLE TYPE	CHAMBER SIZE (mm)	COVER SIZE (mm)	COVER LOADING	COMMENTS
SWMH01	139.735	138.990	0.745	P.C.C.	1050mmØ	750 x 675	A15	NO VEHICULAR ACCESS IS PERMITTED
SWMH02	139.735	138.785	0.950	P.C.C.	1050mmØ	750 x 675	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH03	139.785	138.270	1.515	P.C.C.	1200mmØ	1200 x 675	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH04	139.875	138.035	1.840	P.C.C.	1200mmØ	600 x 600	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH05	139.700	137.700	2.000	P.C.C.	1200mmØ	600 x 600	D400	CHAMBER CONTAINING HYDRO-BRAKE® OPTIMUM
SWMH06	139.800	137.340	2.260	P.C.C.	1200mmØ	600 x 600	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH07	139.620	137.620	2.000	P.C.C.	1200mmØ	600 x 600	D400	CATCH PIT
SWMH08	139.900	137.540	2.360	P.C.C.	1200mmØ	600 x 600	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH09	139.400	138.075	1.325	P.C.C.	1200mmØ	1200 x 675	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH10	139.590	137.315	2.275	P.C.C.	1200mmØ	600 x 600	A15	CATCH PIT / NO VEHICULAR ACCESS IS PERMITTED
SWMH11	139.770	137.295	2.475	P.C.C.	1200mmØ	600 x 600	A15	CHAMBER CONTAINING HYDRO-BRAKE® OPTIMUM
SWMH12	139.760	137.220	2.540	EXISTING MANHOLE				COVER REPLACED WITH D400 COVER

S.W.D. INDICATES STORM DRAIN.

S.W.F.D. INDICATES STORM FILTER DRAIN.

S.W.L.D. INDICATES STORM LAND DRAIN.

INDICATES THE LENGTH OF EXISTING DRAINAGE RUNS CONSIDERED REDUNDANT IN PROPOSED DRAINAGE SYSTEM. ALL INCOMING DRAINAGE RUNS ARE TO BE C.C.T.V. TO ENSURE THAT THEY ARE REDUNDANT PRIOR TO REMOVAL. ONCE THE DRAINAGE RUNS / ANY ASSOCIATED CHAMBERS ARE PROVED REDUNDANT THE RUNS AND CHAMBER ARE TO FULLY EXCAVATED AND BACK FILLED WITH ENGINEERING FILL MATERIAL COMPACTED IN ACCORDANCE WITH D.t.p. SPECIFICATION.

ALL DRAINAGE UNLESS STATED OTHERWISE TO BE 100mm Ø ALL PIPES LAID AT A MINIMUM GRADIENT 1:100 UNLESS MANHOLE LEVEL DICTATED OTHERWISE

INDICATES CHAMBER CONTAINING HYDRO-BRAKE® OPTIMUM TO CONTROL DISCHARGE RATE TO 4.5 l/s INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. CHAMBER CONSTRUCTION AS PER TYPICAL CONCRETE CATCH PIT DETAIL FOR MINIMUM SIZE OF MANHOLE REFER TO FLOW CONTROL DEVICE MANUFACTURERS DETAILS.

139.730 INDICATES EXISTING LEVELS

139.820 INDICATES PROPOSED LEVELS

CONSTRUCTION TYPE A
INDICATES EXTENT OF PROPOSED CAR PARK/ACCESS ROAD
APPROXIMATE AREA 775m²
SURFACE COURSE
40mm THICK HRA 55/10 SURF PD 6691 ANNEX C USING A BINDER GRADE OF 40/60.
BINDER COURSE
60mm AC 20 DENSE BIN PD 6691 ANNEX B USING A BINDER GRADE OF 40/60.
BASE
150mm THICK AC 32 BASE PD 6691 ANNEX B USING A BINDER GRADE OF 40/60.
SUB-BASE
150mmTHICK GRANULAR MATERIAL TYPE 1 IN ACCORDANCE WITH DTP SPECIFICATION FOR HIGHWAY WORKS CLAUSE 803

CONSTRUCTION TYPE B
INDICATES EXTENT OF NEW FOOTWAY CONSTRUCTION
APPROXIMATE 975m²
SURFACE COURSE
25mm AC6 DENSE SURF 100/150 TO PD6691 ANNEX B IN ACCORDANCE WITH BSEN13108-1
BINDER COURSE:-
60mmTHICK AC20 DENSE BIN 100/150 TO PD6691 ANNEX B IN ACCORDANCE WITH BSEN13108-1.
SUB-BASE:-
150mm THICK GRANULAR MATERIAL TYPE 1 IN ACCORDANCE WITH Dtp SPECIFICATION FOR HIGHWAY WORKS CLAUSE 803

CONSTRUCTION TYPE C
INDICATES EXTENT OF NEW MUGA PITCH
APPROXIMATE AREA 450m²
MULTI-PLAY GRASS POLYPROPYLENE (UV STABILIZED) TUFTED FILLED SYNTHETIC GRASS CARPET OR ACCEPTABLE EQUIVALENT, INSTALLED TO STRICTLY IN ACCORDANCE WITH MANUFACTURE RECOMMENDATIONS.
ON 25mm THICK 6mm OPEN GRADED PERMEABLE ASPHALT WEARING COURSE ("SUPERSPORT MUGA" BY MESSRS "AGGREGATE INDUSTRIES" OR ACCEPTABLE EQUIVALENT).
ON 40mm THICK 14mm OPEN GRADED PERMEABLE ASPHALT BINDER COURSE "SUPERSPORT 14" BY MESSRS "AGGREGATE INDUSTRIES" OR ACCEPTABLE EQUIVALENT).
ALTERNATIVE A SINGLE 65mm THICK LAYER OF 14mm OPEN GRADED PERMEABLE ASPHALT BINDER COURSE "SUPERSPORT 14" BY MESSRS "AGGREGATE INDUSTRIES" OR ACCEPTABLE EQUIVALENT) MAYBE SUBSTITUTED.
ON 300mm THICK GRANULAR MATERIAL TYPE 3 IN ACCORDANCE WITH DTp SPECIFICATION FOR HIGHWAY WORKS CLAUSE 805

ALL CONSTRUCTION TYPE BASED ON A MINIMUM C.B.R. > 8%, TO BE CONFIRMED BY THE CONTRACTOR ON SITE VIA INSITU C.B.R. TEST AT THE TIME OF CONSTRUCTION.

This drawing is to be read in conjunction with all other contract drawings and specifications.

Do not scale from this drawing. All dimensions are in millimetres and all levels are in metres unless noted otherwise. All existing dimensions are approximate and must be checked on site prior to fabrication and construction. If any information is unclear or ambiguous seek the advice of the Contract Administrator before proceeding.

The Contractor is to ensure that the works comply with all current Building Regulations, British and European Standards and all other relevant legislation. For Contractor Designed Works this drawing represents design intent only subject to development by the Contractor in accordance with the requirements of the contract.

The contractor is to review and observe all recommendations of the Asbestos Refurbishment Survey Report. The contractor must alert the Contract Administrator to any asbestos discovered during the course of the works and agree an appropriate course of action before proceeding.

FOR STANDARD CONSTRUCTIONS NOTES REFER TO DRAWING No: 17011-BDS-XX-XX-DR-S-6000.
FOR DRAINAGE AND CIVIL DETAILS REFER TO DRAWING No. 17011-BDS-XX-XX-DR-C-6012.

Rev	Description	Date
P01	Contract Issue	June 2022

Solihull Council BUILDINGDESIGN STUDIO

CLIENT
SAST

PROJECT
Cheswick Green Primary School

TITLE
Storm Drainage & External Works Plan

DRAWN BY	CHECKED BY	DATE
WSP	N/A	July 2021

PROJECT NUMBER	SCALE	PAPER SIZE
17011	Ref. Drg	A1

DRAWING NUMBER 17011-BDS-XX-XX-DR-C-6011 STATUS A5 REV P01

PURPOSE OF ISSUE
CONTRACT ISSUE