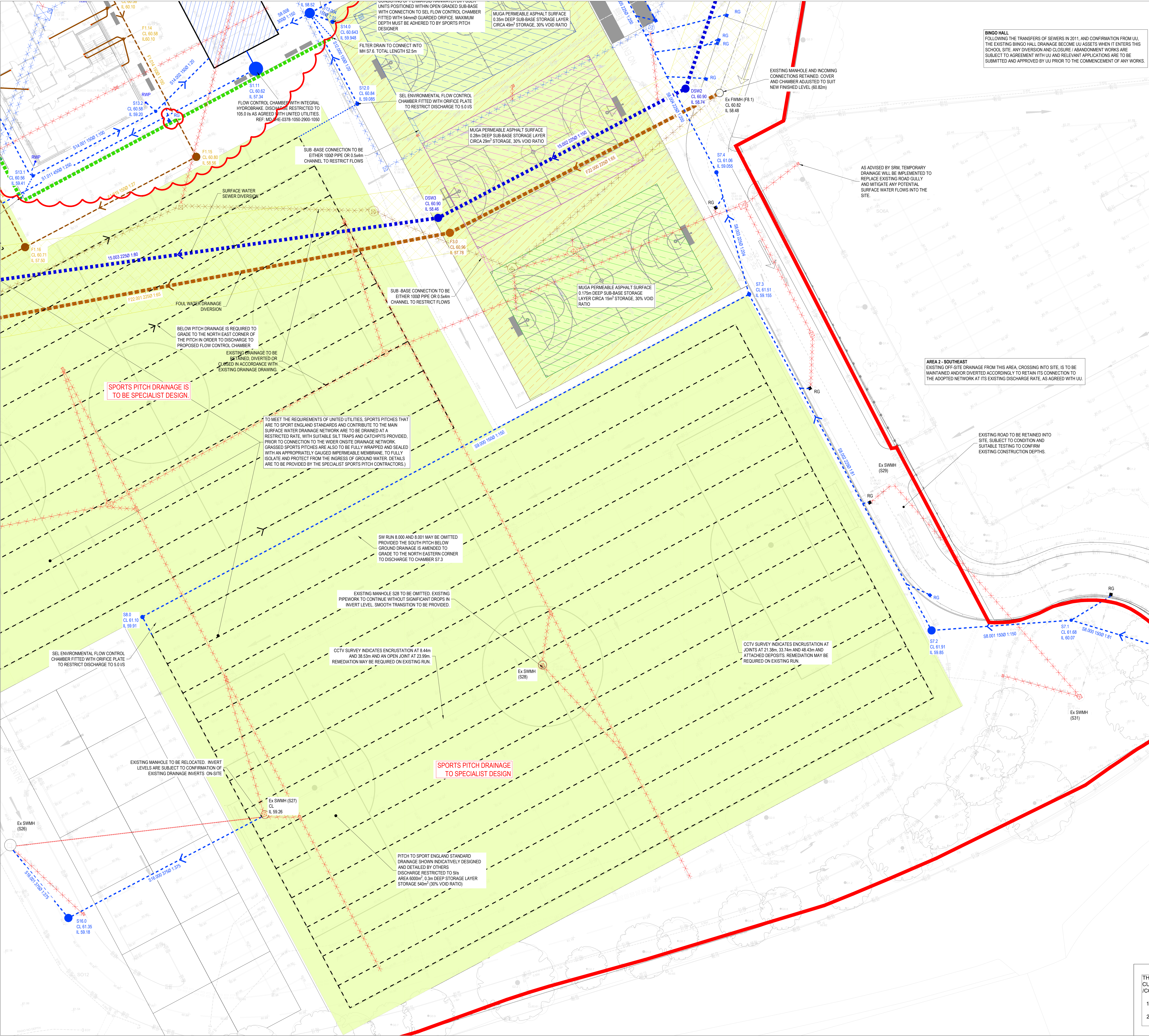




BINGO HALL
FOLLOWING THE TRANSFERS OF SEWERS IN 2011, AND CONFIRMATION FROM UU, THE EXISTING BINGO HALL DRAINAGE BECOME UU ASSETS WHEN IT ENTERS THIS SCHOOL SITE. ANY DIVERSION AND CLOSURE / ABANDONMENT WORKS ARE SUBJECT TO AGREEMENT WITH UU AND RELEVANT APPLICATIONS ARE TO BE SUBMITTED AND APPROVED BY UU PRIOR TO THE COMMENCEMENT OF ANY WORKS.

- KEY:**
- SITE BOUNDARY (5.3m)
 - PROPOSED PRIVATE SURFACE WATER DRAINAGE
 - S185 (UU) SURFACE WATER SEWER DIVERSION
 - PROPOSED RAINWATER PIPE (RWP)
 - PROPOSED PRIVATE FOUL WATER DRAINAGE
 - S185 (UU) FOUL WATER SEWER DIVERSION
 - PROPOSED FW POP-UP
 - DENOTES CHANGE IN VERTICAL ALIGNMENT / GRADIENT OF PROPOSED CONNECTION
 - DENOTES DRAINAGE CAST INTO FOUNDATION
 - EXISTING PUBLIC SURFACE WATER NETWORK
 - EXISTING PUBLIC FOUL WATER NETWORK
 - EXISTING PRIVATE SURFACE WATER NETWORK
 - PITCH DRAINAGE BY SPECIALIST
 - PROPOSED FILTER DRAIN
 - PROPOSED ACC / HAURATON CHANNEL
 - PROPOSED ATTENUATION TANK
 - PROPOSED PERMEABLE CAR PARK WITH GRANULAR SUB-BASE STORAGE
 - PROPOSED PERMEABLE MUGA SURFACE WITH 300mm SUB-BASE STORAGE
 - PROPOSED PERMEABLE MUGA SURFACE WITH 200mm SUB-BASE STORAGE
 - PROPOSED PERMEABLE MUGA SURFACE WITH 175mm SUB-BASE STORAGE
 - PROPOSED PERMEABLE MUGA SURFACE WITH MINIMUM 100mm SUB-BASE STORAGE
 - UNITED UTILITIES SEWER EASEMENT ZONE
 - SPORTS PITCHES & MUGA CONTRIBUTING AREAS
 - RG
 - EXISTING UNITED UTILITIES SURFACE WATER DRAINAGE RUN TO BE GRUBBED OUT
 - EXISTING UNITED UTILITIES FOUL DRAINAGE RUN TO BE GRUBBED OUT
 - EXISTING PRIVATE DRAINAGE RUN TO BE CLOSED / ABANDONED
 - EXISTING PRIVATE MANHOLE / GULLY TO BE CLOSED / ABANDONED

AREA 2 - SOUTHEAST
EXISTING OFF-SITE DRAINAGE FROM THIS AREA CROSSING INTO SITE. IS TO BE MAINTAINED AND/OR DIVERTED ACCORDINGLY TO RETAIN ITS CONNECTION TO THE ADOPTED NETWORK AT ITS EXISTING DISCHARGE RATE. AS AGREED WITH UU.

BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN FOR THAT WHICH IT WAS PREPARED AND ISSUED. ALL DIMENSIONS SHOULD BE CHECKED ON SITE.

DO NOT SCALE FROM THIS DRAWING.

ANY DRAWING ERRORS OR DIVERGENCES SHOULD BE BROUGHT TO THE ATTENTION OF BUILDING DESIGN PARTNERSHIP AT THE ADDRESS SHOWN BELOW.

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.
- THIS DRAWING IS BASED ON:
 - TOPOGRAPHICAL SURVEY DWS FILE REF: 200510-001 TO 004 DATED JULY 2020 BY SURVEY OPERATIONS
 - FULL UTILITIES SURVEY DWS FILE REF: 0620-ARC-13319 DATED 06/07/2020 BY SITE VISION SURVEYS
 - UNITED UTILITIES RECORD MAP: UU REF: UUPS-ORD-175605 DATED 23/07/2020 (PDF)
- BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINAGE, SEWERS, INSPECTIONS CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON DRAWING. ENGINEER TO BE INFORMED IF FOUND DIFFERENT TO NOTED.
- ROCKPILES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
- EXTERNAL DRAINAGE OUTSIDE BUILDING FOOTPRINT: CLASS 2 CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 1.2m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.8m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
- CONNECTIONS TO EXISTING PUBLIC SEWER IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS, TO BE APPROVED / AGREED WITH THE WATER AUTHORITY. ALL EXISTING DRAINAGE LEVELS, ESPECIALLY WHERE NEW MANHOLES ON EXISTING RUNS OR NEW CONNECTIONS TO EXISTING MANHOLES ARE PROPOSED, ARE TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE.
- DRAWING TO BE READ IN CONJUNCTION WITH EXISTING DRAINAGE DRAWING 009433-BDP-01-ZZ-DR-C-520010.
- ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS. CODE OF PRACTICE AND SEWERS FOR ADOPTION 7TH EDITION AND ADDENDUMS AS APPROPRIATE. ALL DRAINAGE SHALL COMPLY WITH THE TYPICAL DRAINAGE CONSTRUCTION DETAILS AND THE REQUIREMENTS OF BS EN 752.
- ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESSED MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.
- THE PROPOSED BUILDING OUTLINES SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECTS PLANS FOR PRECISE LOCATION SETTING OUT INFORMATION AND DETAILS.
- FOR SETTING OUT DIMENSIONS OF SEWS, SVPS, RWPS, FLOOR GULLY & OTHER DRAINAGE POP UP LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
- ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPEWORK SHALL BE LAID SLOTT TO SLOTT UNLESS OTHERWISE STATED.
- ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORTY LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
- AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND ROOING ACCESS.
- COVER LEVELS SHOWN ON THIS DRAWING ARE APPROXIMATE AND SHALL BE ADJUSTED TO SUIT FINISHED PAVEMENT LEVELS ON SITE BY CONTRACTOR. COVERS SHALL BE ORIENTATED TO SUIT PAVEMENT FINISHES WHERE APPROPRIATE.
- ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
- CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300mm.
- WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
- ALL DRAINAGE CONNECTING TO THE PUBLIC SEWER NETWORK SHALL NOT COMMENCE UNTIL RECEIPT OF THE APPROVAL FROM THE DRAINAGE AUTHORITY AND SHALL COMPLY WITH REQUIREMENTS USING VITRIFIED CLAY PIPEWORK TO BS EN 295 WITH PLAIN SLEEVED OR SOCKETED FLEXIBLE JOINTS SUBJECT TO THEIR APPROVAL.
- UPON COMPLETION ALL NEW DRAINAGE INSTALLATION TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.

REV	DESCRIPTION	DATE	BY	
C14	New drainage features added and MH cover EH	DN	09/09/22	
C13	Revised drainage around school building	EH	DN	27/07/22
C12	Revised drainage for MUGA pitches	EH	DN	27/07/22
C11	Drainage channel details added and location amended	EH	DN	15/07/22
C10	Drainage layout revised to suit new levels design and updated landscape CA	EH	DN	11/07/22
C09	Pipes S16.000 and S16.001 and MH16 revised	EH	DN	25/05/22
C08	Location of pitch manholes revised and Manhole S8.1 removed	NC	EH	28/04/22
C07	CLS amended to suit revised level strategy	EMM	DN	17/02/22
C06	Storage, Flow Controls and SW levels	EMM	DN	26/10/21
C05	Below slab drainage updated	ARJ	EMM	17/09/21
C04	S13 added	ARJ	EMM	12/09/21
C03	Foul drainage & cover levels updated	ARJ	DN	09/09/21
C02	F1.17, F1.18 & Key Legend updated	ARJ	DN	09/09/21
C01	Minor corrections	ARJ	DN	23/07/21
C00	Issued for Construction	ARJ	DN	14/07/21

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BELLE VUE CO-OP ACADEMY

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SITE WIDE DRAINAGE STRATEGY
GENERAL ARRANGEMENT
SHEET 3 OF 3

009433-BDP-01-ZZ-DR-C-520003

C14

THIS DRAWING HAS BEEN DEVELOPED BASED ON THE INFORMATION CURRENTLY AVAILABLE AND IS SUBJECT TO CHANGE FOLLOWING RECEIPT / CONFIRMATION OF FURTHER INFORMATION, AS FOLLOWS:-

- SPORTS PITCH BUILD UPS ARE INDICATIVE ONLY AND ARE TO BE CONFIRMED BY THE SPECIALIST CONTRACTOR.
- RECEIPT OF FINAL LANDSCAPE PROPOSALS, INCLUDING A DETAILED LEVELS STRATEGY HAS BEEN RECEIVED.

BDP.