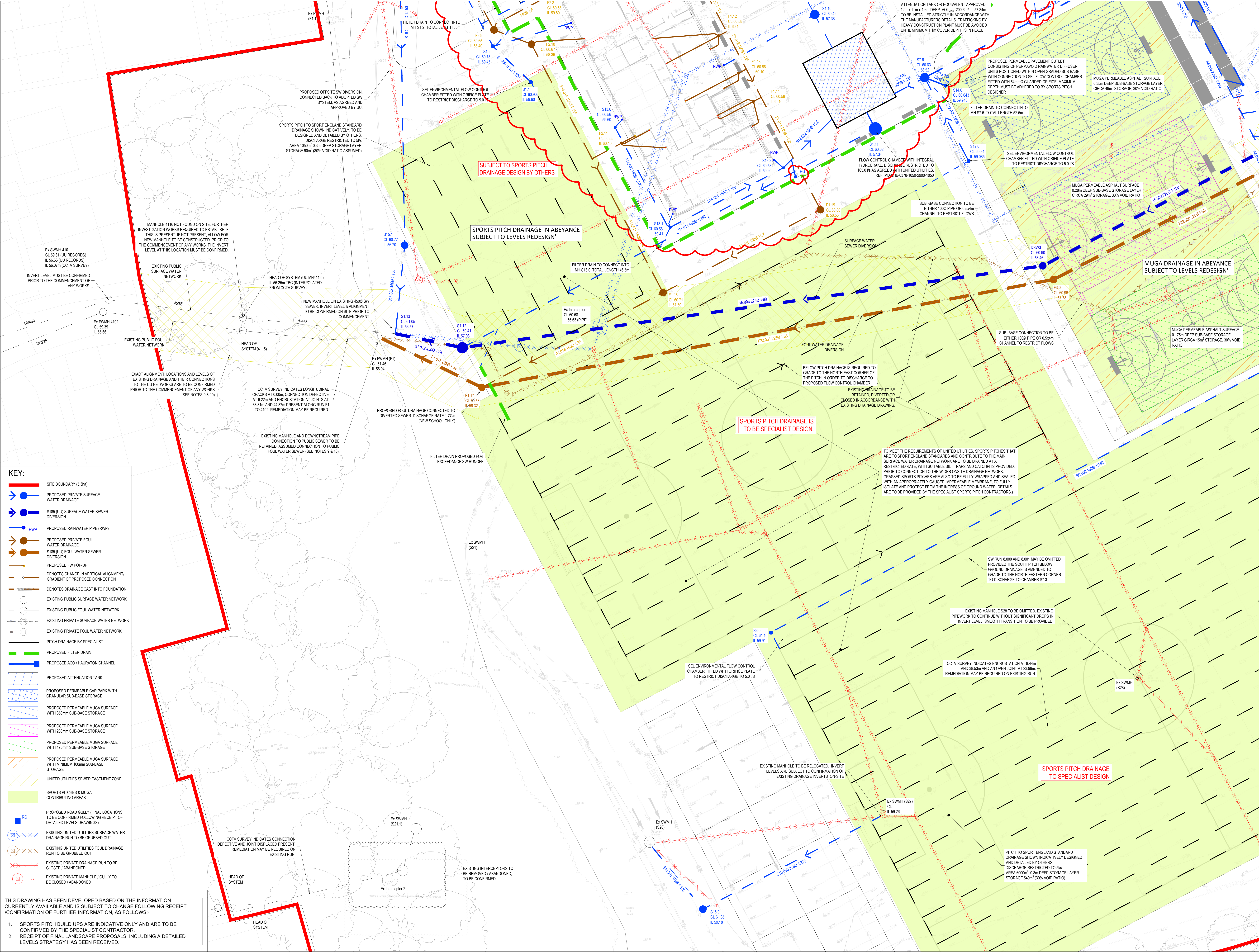




BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN FOR THAT WHICH IT WAS PREPARED AND ISSUED. ALL DIMENSIONS SHOULD BE CHECKED ON SITE. DO NOT SCALE FROM THIS DRAWING. ANY DRAWING ERRORS OR DIVERGENCES SHOULD BE BROUGHT TO THE ATTENTION OF BUILDING DESIGN PARTNERSHIP AT THE ADDRESS SHOWN BELOW.

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.

2. THIS DRAWING IS BASED ON:

- TOPOGRAHICAL SURVEY DWS FILE REF: 220510-001 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, LAUREL, UUPS-ORD-17565 DATED 22/07/2020 (PPF)

3. BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINAGE, SEWERS, INSPECTIONS CHAMBERS AND MANHOLES. AGAINST INFORMATION SHOWN ON THIS DRAWING. ENGINEER TO BE INFORMED IF FOUND DIFFERENT TO NOTED.

4. ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.

5. 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.

6. 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 PROVIDED, ARE TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE.

7. DRAWING TO BE READ IN CONJUNCTION WITH EXISTING DRAINAGE DRAWING 090433-BDP-01-ZZ-DR-C-520010.

8. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS. LEVELS, ESPECIALLY WHERE NEW MANHOLES ON EXISTING RUNS OR NEW CONNECTIONS TO EXISTING MANHOLES ARE PROVIDED, ARE TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE.

9. ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF SPECIFIED OTHERWISE. ALL DRAINAGE PIPES SHALL BE ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERIORS.

10. THE PROPOSED BUILDING OUTLINES SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECT'S PLANS FOR PRECISE LOCATION SETTING OUT INFORMATION AND DETAILS.

11. FOR SETTING OUT DIMENSIONS OF SWS, SVPS, RWPS, FLOOR GULLY & OTHER DRAINAGE POP UP LOCATIONS, REFER TO ARCHITECT'S OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.

12. ALL DRAINAGE PIPEWORK SHALL BE 100mm DIAMETER FOR Foul and 150mm FOR SURFACE WATER. UNLESS NOTED OTHERWISE, ALL DRAINAGE PIPEWORK SHALL BE LAID SLOPE TO SLOPE WITHIN 1m OF FOUNDATIONS. UNLESS NOTED OTHERWISE, ALL DRAINAGE PIPEWORK SHALL BE LAID SLOPE TO SLOPE WITHIN 1m OF FOUNDATIONS.

13. 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 SHORT LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.

14. 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 ROOFING ACCESS.

15. 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.

16. 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.

17. CONCRETE ENCASUREMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300mm.

18. 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.

19. 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 252 WITH PLAIN SLEEVED OR SOCKETED FLEXIBLE JOINTS SUBJECT TO THEIR APPROVAL.

20. UPON COMPLETION ALL NEW DRAINAGE INSTALLATION TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE SETTED 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.

C14	New drainage features added and MH cover EH levels updated around school building	DN	08/09/22
C13	Revised drainage for MUGA Pitches	EH	DN 27/07/22
C12	Drainage channel details added and location amended	EH	DN 15/01/22
C11	Drainage layout revised to suit new levels design and updated landscape CA	EH	DN 11/07/22
C10	Pipes S16.000 and S16.001 and MHS16 revised	EH	DN 25/05/22
C09	Location of pitch manholes revised and Manhole S8.1 removed	NC	EH 28/04/22
C08	CLS amended to suit revised level strategy	EMM	DN 17/02/22
C07	Storage, Flow Controls and SW levels	EMM	DN 26.10.21
C06	Below slab drainage updated	ARJ	EMM 17.09.21
C05	S13 added	ARJ	EMM 12.09.21
C04	Foul drainage & cover levels updated	ARJ	DN 09.09.21
C03	F1.17, F1.18 & Key Legend updated	ARJ	DN 08.09.21
C02	Minor corrections	ARJ	DN 23/07/21
C01	Issued for Construction	ARJ	DN 14/07/21

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BELLE VUE CO-OP ACADEMY

P3001502	COMMERCIAL IN CONFIDENCE	DATE	12/09/20
SITE WIDE DRAINAGE STRATEGY		SCALE	1:200 @ A0
GENERAL ARRANGEMENT		DATE	07/04/21
SHEET 2 OF 3		REVISION	C14

090433-BDP-01-ZZ-DR-C-520002