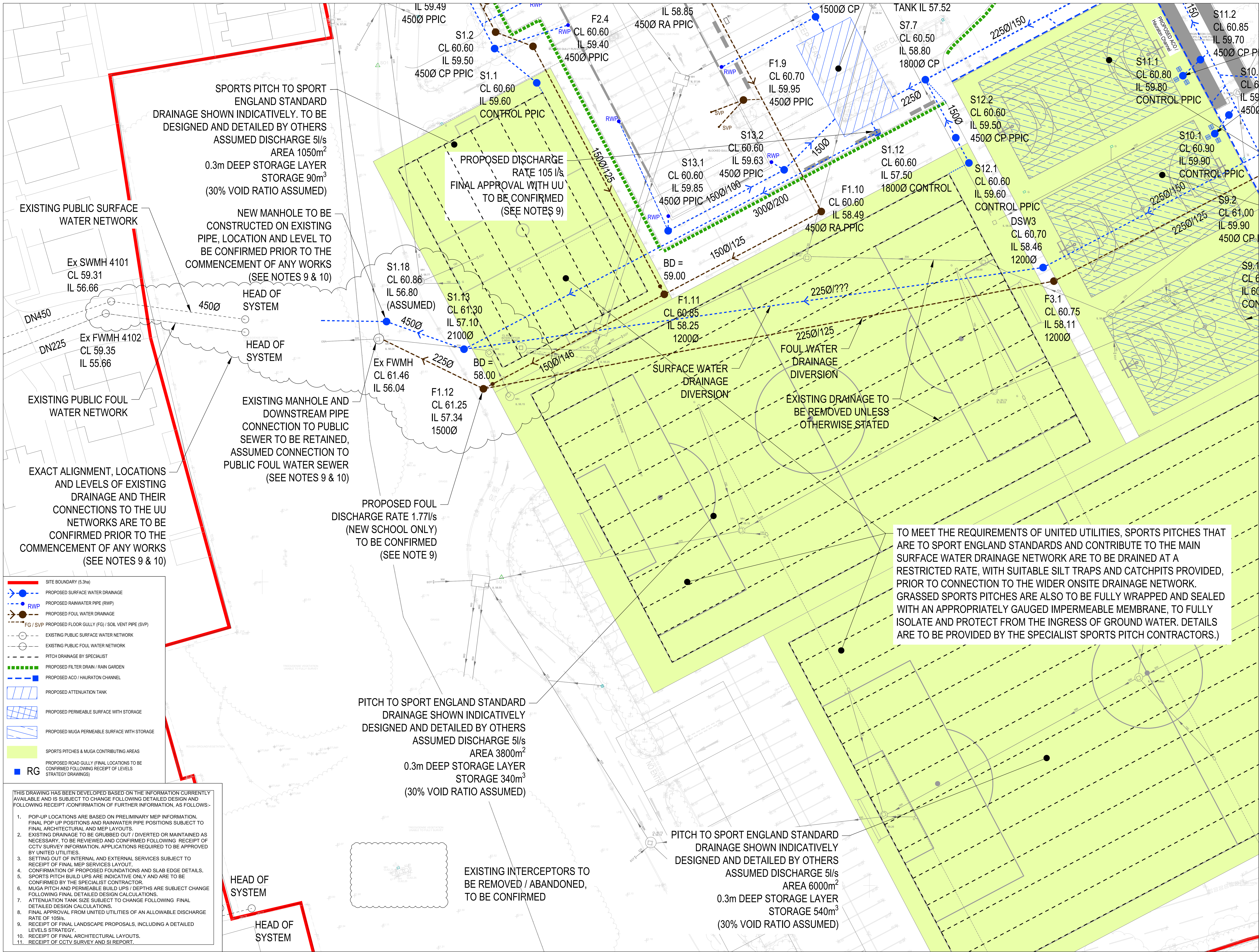




BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN THAT FOR WHICH IT WAS PREPARED AND ISSUED. ALL DIMENSIONS SHOULD BE CHECKED ON SITE. DO NOT SCALE FROM THIS DRAWING. ANY DRAWING ERRORS OR OMISSIONS SHOULD BE BROUGHT TO THE ATTENTION OF BUILDING DESIGN 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:
 - 2.1. TOPOGRAPHICAL SURVEY DWG FILE REF. 2000510-01 TO 004 DATED JULY 2020 BY SURVEY OPERATIONS
 - 2.2. FULL UTILITIES SURVEY DWG FILE REF. 0020-ARC-13319 DATED 06/07/2020 BY SITE VISION SURVEYS
 - 2.3. PROPOSED SITE PLAN DWG FILE REF. 1009433-SPA-01-XX-DR-L-910001* REVISION P06 RECEIVED ON 17/03/2021 BY SPACE ARCHITECTS
 - 2.4. LEVEL 90 GA DWG FILE REF. 1009433-SPA-01-00-CP-A-010001* REVISION P06 RECEIVED ON 17/03/2021 BY SPACE ARCHITECTS
 - 2.5. UNITED UTILITIES RECORD MAP, UU REF. UUPS-ORD-175605 DATED 22/07/2020 (pdf)
- A FULL CCTV SURVEY IS REQUIRED TO BE CARRIED OUT TO CONFIRM ALL ON SITE, AND ANY OFFSITE DRAINAGE ENCROACHING/CROSSING THE SITE. UNKNOWN EXISTING DRAINAGE MIGHT BE PRESENT, WHICH IS NOT CURRENTLY INDICATED ON THIS DRAWING.
- BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINS, SEWERS, INSPECTIONS CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON THIS DRAWING. ENGINEER TO BE INFORMED IF FOUND DIFFERENT TO NOTED ON SITE.
- ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
- ALL DRAIN POINTS AND MANHOLE LOCATIONS/INVERT LEVELS/DIMENSIONS ARE TO BE CONFIRMED, SUBJECT TO DESIGN DEVELOPMENT.
- EXTERNAL DRAINAGE OUTSIDE BUILDING FOOTPRINT CLASS 2 CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 1.2 m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6 m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1 m OF FOUNDATIONS.
- SURFACE WATER: DESIGNED TO ACCOMMODATE 1in1, 1in30 AND 1in100 + 40% CC CRITICAL STORM EVENTS. SURFACE: DESIGN SUBJECT TO CHANGE FOLLOWING:
 - 8.1. APPROVAL PROCESS WITH LOCAL AUTHORITIES AND WATER COMPANY
 - 8.2. CONFIRMATION OF INFILTRATION TEST
 - 8.3. HYDRAULIC MODELING
- DRAINAGE DESIGN STRATEGY AND DISCHARGE RATES ARE TO BE APPROVED BY THE LOCAL AUTHORITIES (MANCHESTER CITY COUNCIL / LOCAL FLOOD AUTHORITY AND UNITED UTILITIES) AND THIS SUBJECT TO CHANGE.
- CONNECTIONS TO EXISTING PUBLIC SEWER IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS. TO BE APPROVED / AGREED WITH THE WATER AUTHORITY. FURTHER CCTV INVESTIGATION TO BE CARRIED OUT TO CONFIRM ALL EXISTING LEVELS AND CONDITION AND ASSESS FEASIBILITY OF REUSING EXISTING CONNECTIONS. 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.
- INFILTRATION: THIS IS UNSUITABLE FOR INFILTRATION TECHNIQUES FOR SURFACE WATER MANAGEMENT DUE TO HIGH PERCHED GROUNDWATER. SOIL CONDITION AND PRESENCE OF MADE GROUND, TO BE CONFIRMED FOLLOWING RECEIPT OF TESTING RESULTS.
- SURFACE WATER RUNOFF TREATMENT SUCH AS CIL, SEPARATOR OR HYDRODYNAMIC VORTEX SEPARATOR (DOWNSTREAM DEFENDER) IS NOT DEEMED NECESSARY AT THIS STAGE BUT MAY BE REQUIRED BY THE LOCAL FLOOD AUTHORITY / UNITED UTILITIES.

WIP FOR PRICING PURPOSES ONLY

P01 Notes regarding offsite drainage revised. LJ DN 300421
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SITE WIDE DRAINAGE STRATEGY
GENERAL ARRANGEMENT
SHEET 2 OF 3

1200 @ A0
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P01

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