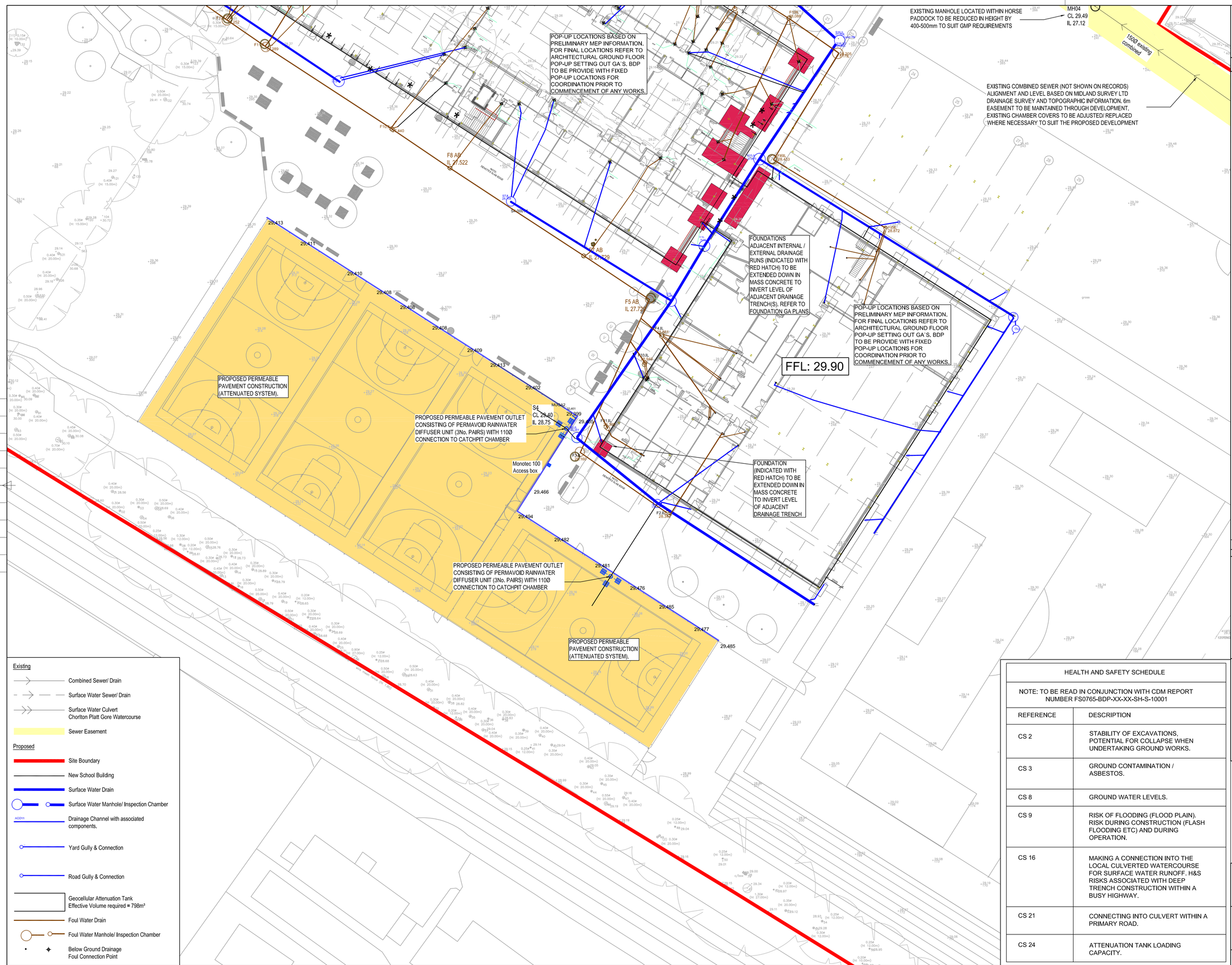

BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN FOR THAT WHICH IT WAS PREPARED AND ISSUED.

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.

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
3. ALL PIPES SHALL BE LAID WITH SOFFITS LEVEL (UNO) AND ALL MANHOLE/ INSPECTION CHAMBER INVERT LEVELS SHOWN ARE FOR THE OUTLET PIPE (UNLESS OTHERWISE SHOWN). PIPE RUNS SHALL BE LAID TO THE LEVELS INDICATED, AND ALL PIPE GRADIENTS INDICATED ARE APPROXIMATE.
4. ALL BUILDING DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS EN752 DRAINAGE AND SEWER SYSTEMS OUTSIDE BUILDINGS, THE CURRENT BUILDING REGULATIONS, THE LOCAL AUTHORITY BUILDING CONTROL SPECIFICATIONS AND REQUIREMENTS AND THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION, PUBLISHED BY THE UK WATER INDUSTRY RESEARCH LTD. (CESWI).
5. EXISTING DRAINAGE , MANHOLE POSITIONS & LEVELS BASED ON UU RECORDS, TOPOGRAPHIC SURVEY AND DRAINAGE CCTV SURVEY. ALL TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE CONSTRUCTION WORKS ON SITE.
6. SERVICES ARE PRESENT IN THE AREA. THE PRESENCE OF SERVICES ON SITE SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORK OR INTRUSIVE INVESTIGATIONS.
7. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND DIVERSION WORKS AS NECESSARY, TO ALL EXISTING SERVICES TO THE SATISFACTION OF THE PUBLIC UTILITIES.
8. ALL EXISTING CHAMBERS TO BE RETAINED SHALL BE AMENDED TO SUIT THE EXACT FINISHED SURFACE LEVELS.
9. THE PROPOSED COVER LEVELS SHOWN ARE APPROXIMATE AND ARE TO BE SET TO SUIT THE FINAL FINISHED SURFACE BY THE CONTRACTOR. ALL LEVELS TO LANDSCAPE ARCHITECTS DETAILS.
10. THE GULLY AND CHANNEL POSITIONS SHOWN ARE APPROXIMATE BASED ON THE LANDSCAPE ARCHITECTS LEVELS AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
11. FOR VIBRO IMPROVED GROUND SUPPORTING STRIP FOOTINGS
    - 11.1 WHERE DRAINAGE IS LOCATED LESS THAN 1.0m FROM AN ADJACENT FOUNDATION AND AT A GREATER DEPTH THE VIBRO FORMATION LEVEL, THE ADJACENT FOUNDATION IS TO BE EXTENDED DOWN TO THE INVERT OF THE DRAINAGE.
    - 11.2 WHERE DRAINAGE IS LOCATED MORE THAN 1.0m FROM AN ADJACENT FOUNDATION AND AT A GREATER DEPTH THAN THE VIBRO FORMATION LEVEL, THE ADJACENT FOUNDATION IS TO BE EXTENDED DOWN TO A LEVEL (X + 150mm) ABOVE THE INVERT OF THE DRAINAGE (WHERE 'X' IS THE HORIZONTAL DISTANCE FROM THE FACE OF FOUNDATION TO THE EDGE OF THE DRAINAGE EXCAVATION).
12. ALL SURFACE WATER DRAINS TO BE MINIMUM 100mmØ AT MINIMUM. 1:100 GRADIENT U.N.O. ALL FOUL WATER DRAINS TO BE MINIMUM 100mmØ (UNLESS INTERNAL FOUL DRAIN RECEIVES ANY CONNECTIONS, WHERE IT IS TO BE INCREASED TO MINIMUM 150mmØ) AT MINIMUM 1:40 GRADIENT UNLESS A TOILET IS LOCATED UPSTREAM WHERE MINIMUM GRADIENT SHOULD BE 1:80.
13. AT THE REQUEST OF THE CONTRACTOR, PIPE MATERIALS ARE TO BE AS FOLLOWS:-

    EXTERNAL SURFACE WATER TO BE WAVIN ULTRARIB (OR SIMILAR APPROVED)
    INTERNAL SURFACE WATER TO BE WAVIN OSMADRAIN SMOOTH (OR SIMILAR APPROVED)
    EXTERNAL/INTERNAL FOUL WATER TO BE WAVIN OSMADRAIN SMOOTH (OR SIMILAR APPROVED)

    ALL PIPE MATERIALS TO BE IN ACCORDANCE WITH TABLE 4 WITHIN BUILDING REGULATIONS. STRENGTH CLASS & BEDDING TO BE AS INDICATED ON THE DRAINAGE DETAILS DRAWING SHEET 1. COMPONENTS, CONNECTORS ETC. AND ALL ANCILLARY ABOVE GROUND PRODUCTS TO BE SPECIFIED BY OTHERS.
14. DRAINAGE BENEATH SOFT LANDSCAPING WITH LESS THAN 0.6m COVER TO BE CONCRETE ENCASED. DRAINAGE BENEATH ROADS/PARKING WITH LESS THAN 1.2m COVER TO BE CONCRETE ENCASED.
15. DRAINAGE CHANNELS LAID TO FALL TO FOLLOW FINISHED GROUND LEVELS. WHERE REQUIRED IN BUILT FALL CHANNELS TO BE PROVIDED TO ACHIEVE POSITIVE FALL.
16. FOR FURTHER INFORMATION REGARDING HEALTH & SAFETY SCHEDULE, REFER TO DOCUMENT FS0765-BDP-XX-XX-SH-S10001 C&S CDM RISK REGISTER.

THIS DRAWING HAS BEEN DEVELOPED AND IS BASED ON AS-BUILT INFORMATION PROVIDED BY BAM DATED 22.10.20

OUTSTANDING GULLY AND CHANNEL POSITIONS TO BE PROVIDED AND CONFIRMED BY BAM.

REVISION DESCRIPTION	DRAWN	CHECKED	DATE
(C05) Updated UU manhole references.	NC	LJ	05/03/21
(C04) Updated to suit as-built info.	NC	LJ	11/11/20
(C03) Ex. sewer revised to combined.	LJ	DN	30/04/20
(C02) Rev. to suit Hauraton & MEP drg`s	LJ	DN	08/04/20
(C01) CONSTRUCTION ISSUE	LJ	DN	06/03/20
(P06) DRAINAGE UPDATES	LJ	DN	24/01/20
(P05) ATTENUATION RELOCATED	LJ	DN	14/01/20
(P04) STAGE4/CP ISSUE	EW	DN	11/12/19
(P03) DRAFT CP ISSUE	ARJ	DN	24/10/19
(P02) DRAFT ISSUE	ARJ	DN	15/10/19
(P01) ISSUED FOR PLANNING	ARJ	DN	23/08/19
FIRST ISSUE	ARJ	DN	21/08/19

KEY PLAN

THE PROPOSED DRAINAGE STRATEGY IS SUBJECT TO APPROVAL WITH THE LEAD LOCAL FLOOD AUTHORITY.

CLIENT

Existing

- Combined Sewer/ Drain
- Surface Water Sewer/ Drain
- Surface Water Culvert Chorlton Platt Gore Watercourse
- Sewer Easement

Proposed

- Site Boundary
- New School Building
- Surface Water Drain
- Surface Water Manhole/ Inspection Chamber
- AC011 Drainage Channel with associated components.
- Yard Gully & Connection
- Road Gully & Connection
- Geocellular Attenuation Tank Effective Volume required = 798m³
- Foul Water Drain
- Foul Water Manhole/ Inspection Chamber
- Below Ground Drainage Foul Connection Point

HEALTH AND SAFETY SCHEDULE	
NOTE: TO BE READ IN CONJUNCTION WITH CDM REPORT NUMBER FS0765-BDP-XX-XX-SH-S-10001	
REFERENCE	DESCRIPTION
CS 2	STABILITY OF EXCAVATIONS, POTENTIAL FOR COLLAPSE WHEN UNDERTAKING GROUND WORKS.
CS 3	GROUND CONTAMINATION / ASBESTOS.
CS 8	GROUND WATER LEVELS.
CS 9	RISK OF FLOODING (FLOOD PLAIN). RISK DURING CONSTRUCTION (FLASH FLOODING ETC) AND DURING OPERATION.
CS 16	MAKING A CONNECTION INTO THE LOCAL CULVERTED WATERCOURSE FOR SURFACE WATER RUNOFF. H&S RISKS ASSOCIATED WITH DEEP TRENCH CONSTRUCTION WITHIN A BUSY HIGHWAY.
CS 21	CONNECTING INTO CULVERT WITHIN A PRIMARY ROAD.
CS 24	ATTENUATION TANK LOADING CAPACITY.

BDP.

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PROJECT TITLE
CHORLTON HIGH SCHOOL SOUTH

DRAWING TITLE
FOUL & SURFACE WATER DRAINAGE G.A. SHEET 2

SCALE @ A1
1:250

DATE
AUG'19

PROJECT NUMBER	DRAWING No.	REVISION
P2008475	FS0765-BDP-XX-XX-DR-C-10002	C05