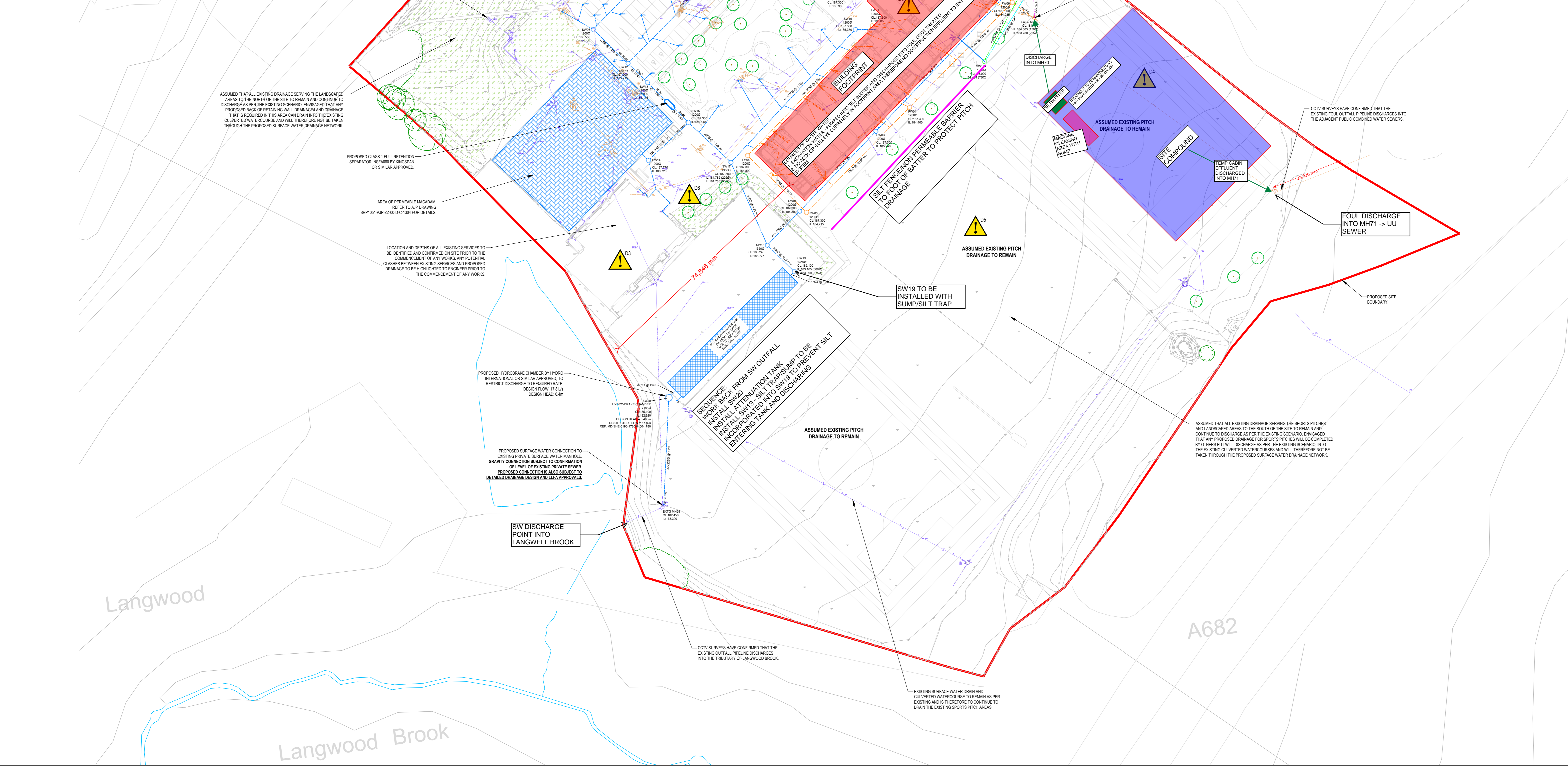


- ALL RWP/SVP/SS CONNECTIONS ARE TO BE 1000 UNLESS STATED OTHERWISE
- ALL SS/SVP'S ARE TO HAVE RODDABLE ACCESS FROM ABOVE GROUND
- ALL AC'S ARE TO BE 600Ø & MINIMUM 750mm DEEP UNLESS NOTED OTHERWISE
- ARCHITECT TO CONFIRM IF MANHOLE COVERS IN PAVED AREAS ARE TO BE RECESSED TO ACCEPT SURFACE FINISHES
- ALL 'POP-UP' SETTING OUT IS PROVIDED BY THE ARCHITECT
- PRELIMINARY SUBJECT TO CONFIRMATION OF UNITED UTILITIES AND LFA ACCEPTANCE OF DISCHARGE CONNECTION LOCATIONS AND FLOW RATES

- SITE COMMENTS**
- D1 STEEP SLOPES SO LIKELY BACK OF RETAINING WALL DRAINAGE REQUIRED AND SCHOOL IDENTIFIED DRAINAGE ISSUES IN THIS AREA SO MAKE ALLOWANCES FOR ADDITIONAL DRAINAGE IN THIS SLOPED AREA
 - D2 ALLOWANCE FOR DITCH AT BASE OF SLOPE AT LOWER LEVEL THAN ADJACENT CAR PARK/PROPOSED DEVELOPMENT LEVELS TO PREVENT SURFACE WATER RUNOFF FROM SLOPE ENCRoACHING UPON ADJACENT DEVELOPMENT. ALLOWANCE FOR PERFORATED UNDERDRAIN IN DITCH
 - D3 EXISTING SPORTS HALL BUILDING, MUGA AND TENNIS COURTS TO REMAIN. CONFIRMATION REQUIRED IF EXISTING DRAINAGE IS TO REMAIN OR IF THESE AREAS ARE TO BE DRAINED INTO PROPOSED NEW DRAINAGE NETWORKS. CURRENTLY ASSUMED THAT NEW DRAINAGE WILL BE REQUIRED.
 - D4 ASSUMED EXISTING FOUL PIPELINE RUNNING NORTH TO SOUTH THROUGH GRASSSED AREA CAN BE RE-USED. ALLOWANCE TO MADE TO REPAIR/REPLACE EXISTING FOUL DRAINAGE PIPELINE.
 - D5 ASSUMED EXISTING SPORTS PITCH DRAINAGE IT TO REMAIN AS PER EXISTING SCENARIO
 - D6 ALLOWANCE TO BE MADE FOR DIVERSION OF EXISTING FOUL AND SURFACE WATER DRAINAGE AROUND PROPOSED SCHOOL BUILDING. THIS IS TO ENSURE EXISTING SCHOOL BUILDING CAN REMAIN IN USE DURING CONSTRUCTION OF NEW BUILDING. ONCE EXISTING SCHOOL BUILDING IS DEMOLISHED ALL EXISTING PRIVATE DRAINAGE CAN BE ABANDONED AND GRUBBED UP.



- GENERAL NOTES**
- SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THE DRAWING.
 - ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION AND LIMITED UTILITIES DETAILS & GUIDELINES.
 - THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HANDING AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES.
 - THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 5m FROM KERB LINES.
 - EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES.
 - ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES.
 - ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHIN A CLASS.
 - ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A. NREC OR THE NETWORK OPERATOR AS APPLICABLE.
 - WHERE 'ULTRA RIB' UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND Laid IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.
 - A CLASS 3 BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL BE DIRECTED BY THE HIGHWAY AUTHORITY BE A SUSTAINABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.2.4.
 - SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE.
 - ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE.
 - ALL MANHOLE COVERS TO BE RECESSED TO ACCEPT FINISH AS DETAILED BY LANDSCAPE ARCHITECT.
 - SLOW REST BENDS TO BE USED IN ALL LOCATIONS MADE UP FROM 2% 45 DEG BENDS (800mm TO INVERT FROM FFL).
 - MANHOLE POSITIONS AND ACCESS COVERS TO BE ACCURATELY SET-OUT BY LANDSCAPE ARCHITECT TO SUIT EXTERNAL FINISHES.
 - ALL DRAINS CAST THROUGH FOUNDATIONS TO HAVE ROCKER PIPES ON BOTH SIDES OF FOUNDATION.
 - ALL POP-UP POSITIONS TO BE CONFIRMED SET OUT DIMENSIONS TO BE AGREED & PROVIDED BY OTHERS.
 - ALL DISCHARGE RATES TO BE CONFIRMED BY THE DESIGNER.
 - ALL SURFACE WATER COLLECTION FEATURES TO BE CONFIRMED BY THE LANDSCAPE ARCHITECT.
 - STORAGE HAS BEEN PROVIDED IN A CELLULAR STORAGE TANK AND UP-SIZED MANHOLES AND PIPES.
 - EXISTING SEWER DEPTHS HAVE BEEN APPROXIMATED FROM LIMITED INFORMATION. NEW CONNECTIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION OF ANY DRAINAGE WORKS.
 - LANDSCAPE ARCHITECT TO CONFIRM GULLY AND DRAINAGE CHANNEL LOCATIONS TO LANDSCAPE AREAS.
 - FOUL NETWORK TO BE CONFIRMED FOLLOWING CONFIRMATION OF BRANCH CONNECTION POINTS FROM BUILDING M&E DESIGNER.
 - CCTV SURVEY OF EXISTING SITE DRAINAGE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY WORKS STARTING ON SITE.

- LEGEND**
- PROPOSED SURFACE WATER MANHOLE
 - PROPOSED FOUL WATER MANHOLE
 - PROPOSED FOUL WATER PPIC
 - PROPOSED SURFACE WATER PIPIC
 - PROPOSED SURFACE WATER PERFORATED PIPE
 - PROPOSED FOUL WATER DRAINAGE
 - PROPOSED DIVERSION OF EXISTING SURFACE WATER DRAINAGE
 - PROPOSED DIVERSION OF EXISTING FOUL WATER DRAINAGE
 - PROPOSED DIVERSION OF EXISTING CULVERTED WATERCOURSE
 - PROPOSED PERMEABLE MACADAM WITH PERFORATED UNDERDRAINS 300mm THICK TYPE 3 POROUS MATERIAL (MIN 30% POROSITY)
 - PROPOSED RAIN GARDENS WITH PERFORATED UNDERDRAINS
 - PROPOSED ATTENUATION TANK
 - PROPOSED ROAD GULLY
 - VENT PIPE - LOCATION TO BE CONFIRMED BY ARCHITECT
 - PROPOSED YARD GULLY
 - PROPOSED FLOOR GULLY
 - EXISTING PRIVATE SURFACE WATER SEWER
 - EXISTING PRIVATE FOUL WATER SEWER
 - SITE BOUNDARY

REV	DATE	DESCRIPTION	BY	CHK	APP
PS3	20/04/2023	STAGE 4 ISSUE	JRS	RL	PS
PS4	24/02/2023	UPDATED FOR PLANNING	JLR	JP	PS
PS5	15/12/2022	STAGE 3 ISSUE	JLR	JRS	PS
PS6	01/12/2022	STAGE 2 ISSUE	JLR	JRS	PS
PS7	01/08/2022	PRELIMINARY ISSUE	JLR	JRS	PS

DRAWING STATUS: STAGE 4

CLIENT: TILBURY DOUGLAS

ARCHITECT: ELLIS WILLIAMS ARCHITECTS

PROJECT: ALL SAINTS RC HIGH SCHOOL RAWTENSTALL

TITLE: BELOW GROUND DRAINAGE OUTLINE DRAINAGE STRATEGY

STATUS	PROJECT No	PROJECT	ORIGIN	FUNCTION	SPECIAL FORM	DATE	ISSUING No	REV
S3	222-089	SRP1051 - AJP - ZZ - 00 - D - C - 1000	P05					

SCALE @ 1:500

DESIGNED: JRS | DRAWN: JUR | CHECKED: JRS | APPROVED: PS | DATE: AUG 2022

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