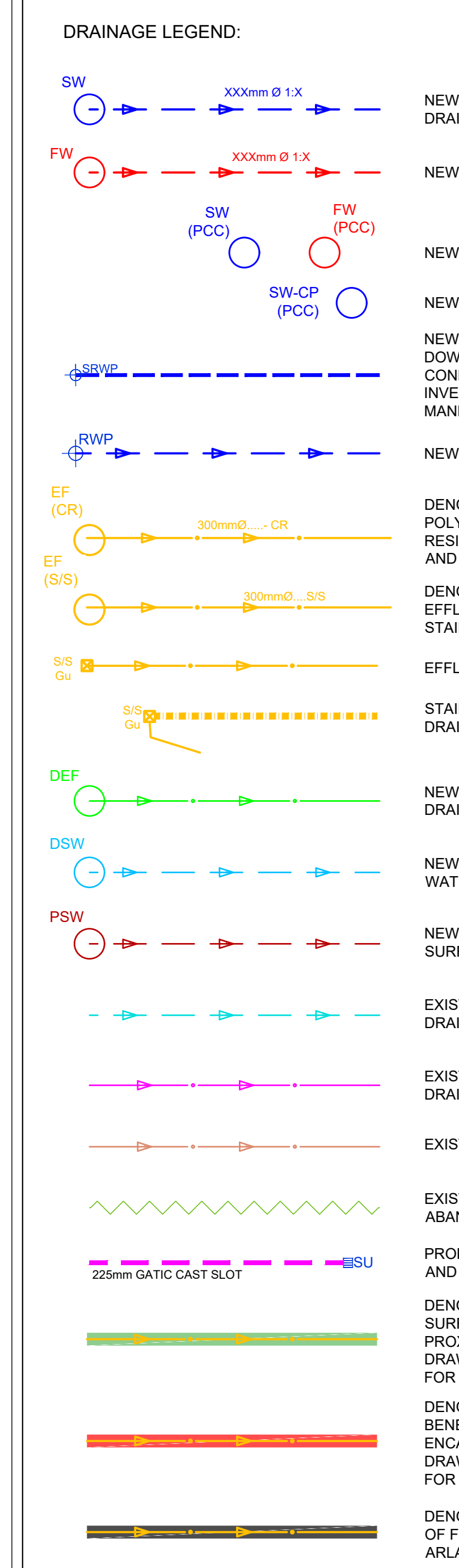


- NOTE: MAJORITY OF PROPOSED EFFLUENT DRAINAGE TO BE PRE-FABRICATED CHEMICAL RESISTANT PIPEWORK AND MANHOLES (GEBERT/PIPEX).**
- EFFLUENT DRAINAGE PIPEWORK TO CIP AREAS AND BOILER BLOW DOWN TO BE STAINLESS STEEL DESIGNED FOR:**
- CAUSTIC 40%W/W, -20°C
 - NITRIC ACID 80%W/W, -20°C
 - NITRIC ACID 45%W/W, 70°C
- NOTE: ALL PROPOSED EFFLUENT BELOW GROUND DRAINAGE PIPEWORK TO CIP AREAS AND BOILER BLOWDOWN AREA TO BE STAINLESS STEEL - DETAILS BY PIPE MANUFACTURER BLUCHER UK**
- NOTE: CO-ORDINATION OF THE HDI RIGID INCLUSIONS AND DRAINAGE REQUIRED AS THERE IS NO DESIGN OF RIGID INCLUSIONS FROM THE SPECIALIST THEREFORE IT'S CURRENTLY ASSUMED THIS WILL NEED TO SUIT PROPOSED BELOW GROUND DRAINAGE.**
- NOTE: ALLOWANCE TO BE MADE FOR APPROPRIATE DIVERSION OF EXISTING EFFLUENT AND SURFACE WATER DRAINAGE TO SUIT NEW BUILDING OUTLINE, AS NOTED ON PLAN. EFFLUENT DIVERSIONS WILL NEED TO ENSURE ALL ACTIVE DRAIN POINTS WHICH ARE TO REMAIN ARE PICKED UP.**
- NOTE: ALL EXISTING DRAINAGE IS TO BE REPAIRED/ REMEDIATED IN LINE WITH THE PROPOSALS AS SPECIFIED IN THE CCTV SURVEY REPORT (P. DRAIN SURVEYS REPORT REF: GMP/19/3147) AND EXISTING DRAINAGE LINES TO BE APPROPRIATELY JETTED AND VACUUMED TO REMOVE DEBRIS/ GREASE FROM LINES AS APPROPRIATE.**
- NOTE: TEMPORARY WORKS TO ATTENUATION TANK TO BE CONFIRMED BY MAIN CONTRACTOR**



NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
- ALL EXISTING SEWERS, CONNECTIONS, PIPE SIZES AND INVERT LEVELS TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS TO ENSURE CONNECTIVITY. ANY VARIANCE FROM THE INFORMATION SHOWN SHOULD BE REPORTED TO THE ENGINEER FOR REVIEW
- ALL DETAILS AND DIMENSIONS ARE TO BE CHECKED BY THE CONTRACTOR. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (AOD) UNLESS OTHERWISE NOTED.
- WHERE EXISTING DRAINAGE IS BEING USED, ALLOWANCES SHOULD BE MADE TO REMEDIATE THIS DRAINAGE IN LINE WITH AVAILABLE CCTV SURVEY INFORMATION. IF NO SURVEY IS AVAILABLE, IT IS ADVISED TO OBTAIN ONE PRIOR TO COMMENCEMENT OF WORKS.
- ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS AND WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.
- ALL PIPE DIAMETERS GIVEN ARE NOMINAL. INTERNAL PIPE DIAMETERS, PIPE DIAMETERS NOT SPECIFIED TO BE 150mm AT 180.
- WHERE SUBJECT TO VEHICULAR LOADING CHAMBERS TO HAVE 150mm GEN CONCRETE SURROUND AND D400 COVERS.
- WHERE PIPEWORK IS SUBJECT TO VEHICULAR LOADING AND HAS LESS THAN 0.9m COVER 150mm GEN CONCRETE BED AND SURROUND TO BE USED
- LINEAR CHANNEL DRAINS IN VEHICULAR AREAS TO BE GATIC CAST SLOT DRAIN OR SIMILAR APPROVED WITH D400 LOAD RATING MINIMUM. GATIC PAVE SLOT DRAIN WITH MINIMUM B125 LOAD RATING WHERE PEDESTRIAN TRAFFICKED. FINISH TO BE AGREED WITH ARCHITECT. ALL OUTLETS FROM LINEAR DRAINS TO BE FITTED WITH SUMP UNITS WITH ADEQUATE ACCESS.
- CHAMBERS AT RISK OF VEHICULAR LOADING TO HAVE D400 COVERS. PEDESTRIAN LOADED COVERS B125.
- ALL INTERNAL EFFLUENT MANHOLES TO HAVE ADEQUATE DOUBLE SEALED LOCKABLE COVERS TO PREVENT EGRESS OF ODOURS.
- LOCATION OF SVPS AND RWPS TO BE COORDINATED BY ARCHITECT AND M&E CONSULTANT. UNDERGROUND DRAINAGE STRATEGY MAY BE REQUIRED TO BE REVISED TO SUIT.
- GRADIENTS OF BELOW GROUND FOUL DRAINAGE TO BE CONFIRMED BY ARCHITECT. ALL OUTLETS FROM LINEAR DRAINS TO BE FITTED WITH SUMP UNITS WITH ADEQUATE ACCESS.
- NEW BELOW GROUND EFFLUENT DRAINAGE TO BE CONFIRMED BY SPECIALIST.
- EXTERNAL SURFACE WATER COLLECTION STRATEGY TO BE DEVELOPED FOLLOWING RECEIPT OF LANDSCAPE ARCHITECTS DETAILS AND SURFACING DETAILS.
- BELOW GROUND SURFACE WATER DRAINAGE STRATEGY MAY CHANGE. IF ADDITIONAL IMPERMEABLE AREAS ARE INCLUDED BEYOND THOSE NOTED ON THIS DRAWING.
- ALL EXISTING HARD SURFACED AREAS ARE TO DRAIN AS CURRENTLY, TO THE EXISTING BELOW GROUND SURFACE WATER DRAINAGE SYSTEM. NEW IMPERMEABLE BUILDING AREAS AND HARD SURFACED EXTERNAL AREAS TO DRAIN TO NEW SURFACE WATER SYSTEM.
- ALL COVER LEVELS SUBJECT TO ARCHITECT'S EXTERNAL LEVELS DESIGN.
- ALL STAINLESS STEEL GULLIES TO BE BY BLUCHER OR SIMILAR APPROVED.
- ALL EFFLUENT DRAINAGE TO BE CHEMICAL RESISTANT POLYETHYLENE (PE) (PIPEX OR SIMILAR APPROVED) UNLESS NOTED OTHERWISE. IN ACCORDANCE WITH CHEMICAL REQUIREMENTS BY ARLA. ALLOWANCE TO BE MADE BY CONTRACTOR FOR SIGNIFICANT LEAN IN TIMES OF SUCH PIPEWORK BY APPROPRIATE MANUFACTURER.
- ALL SIPHONIC RWPS TO DISCHARGE TO VENTED MANHOLE WITH SUITABLE VENTED MANHOLE COVER. EXACT SIZE OF SIPHONIC RWPS AND ASSOCIATED BELOW GROUND PIPEWORK THAT IS REQUIRED, TO BE CONFIRMED BY SPECIALIST.

GENERAL STAINLESS STEEL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
- STAINLESS STEEL EFFLUENT PIPES BY BLUCHER.
- ALL STAINLESS STEEL TO BE GRADE 304 WITH JOINTS TO BE CHEMICAL RESISTANT TYPE. WITH STAND EFFLUENT DISCHARGE FROM THE ARLA SITE.

NO	DATE	BY	DESCRIPTION	CHK	APP
006	09.20.25	HB	UPDATED TO SUIT COMMENTS FROM THE CONTRACTOR (ARLA) SWAMPED TO SUIT EXISTING INVERT LEVEL. ARLA POP-UP ADDED TO SUIT ARCHITECTS BETTING OUT.	HB	ML
005	05.12.25	HB	UPDATED TO SUIT LATEST POP-UP LOCATIONS AND AMENDED SURFACE WATER DRAINAGE TO SUIT THIS.	HB	ML
004	24.11.25	HB	UPDATED TO SUIT LATEST POP-UP LOCATIONS.	HB	ML
003	14.11.25	HB	CONCRETE PIPE SURROUNDINGS NOTED AND PIPE THROUGH FOUNDATION NOTED.	HB	ML
002	18.10.25	HB	UPDATED TO SUIT LATEST POP-UP LOCATIONS.	HB	ML
001	01.10.25	HB	DRAFT CONSTRUCTION.	HB	ML
PH8	19.09.25	HB	UPDATED TO SUIT REVERSED ROUTE OF CHAMBER DRAINAGE LINE.	ML	MB
PH7	05.06.25	HB	UPDATED TO SUIT TENDER QUERIES.	ML	MB
PH6	11.04.25	HB	ISSUED FOR TENDER QUERIES.	ML	MB
PH5	29.03.25	HB	UPDATED TO SUIT LATEST SITE PLAN AND HV SUBSTATION REQUIREMENTS.	ML	MB
PH4	24.01.25	HB	PH501 UPDATED INVERT AND NEW EFFLUENT SWAPPED POSITIONS WITH NEW SURFACE WATER SIPHONIC POSITIONS.	ML	MB
PH3	10.01.25	HB	UPDATED TO SUIT CHEMICAL RESISTANT PIPEWORK REQUIREMENTS TO SOUTH OF SITE.	ML	MB
PH2	03.01.25	HB	UPDATED FOR PLANNING RE-ISSUE.	ML	MB
PH1	22.11.24	HB	STAGE 1	ML	MB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: DRAFT CONSTRUCTION

CLIENT: ARLA FOODS LTD

ARCHITECT: DLA ARCHITECTURE

PROJECT: ARLA FOODS TAW VALLEY

TITLE: BELOW GROUND DRAINAGE PHASE 2 (SHEET 2)

SCALE @: 1:200

DESIGNED: MB

CHECKED: MB

APPROVED: MB

PROJECT NUMBER: 23330

DESIGNED: HB

DRAWN: HB

DATE: NOVEMBER 2024

DRAWING NO: ARLA-ROS-ZZ-XX-D-C-009112

REV: C06