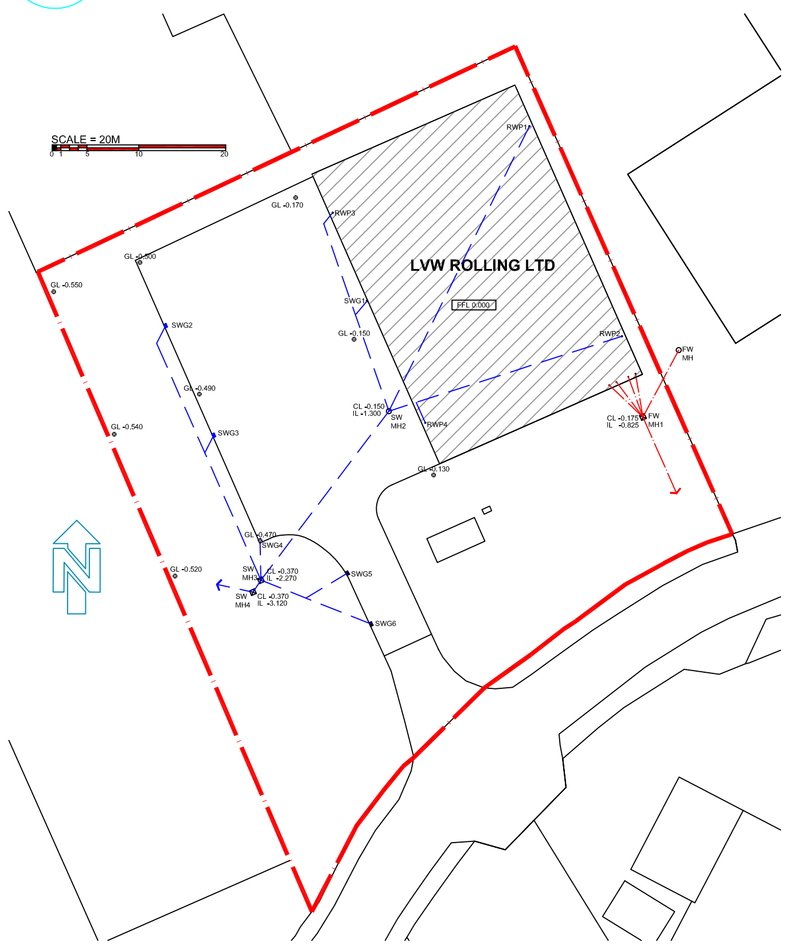
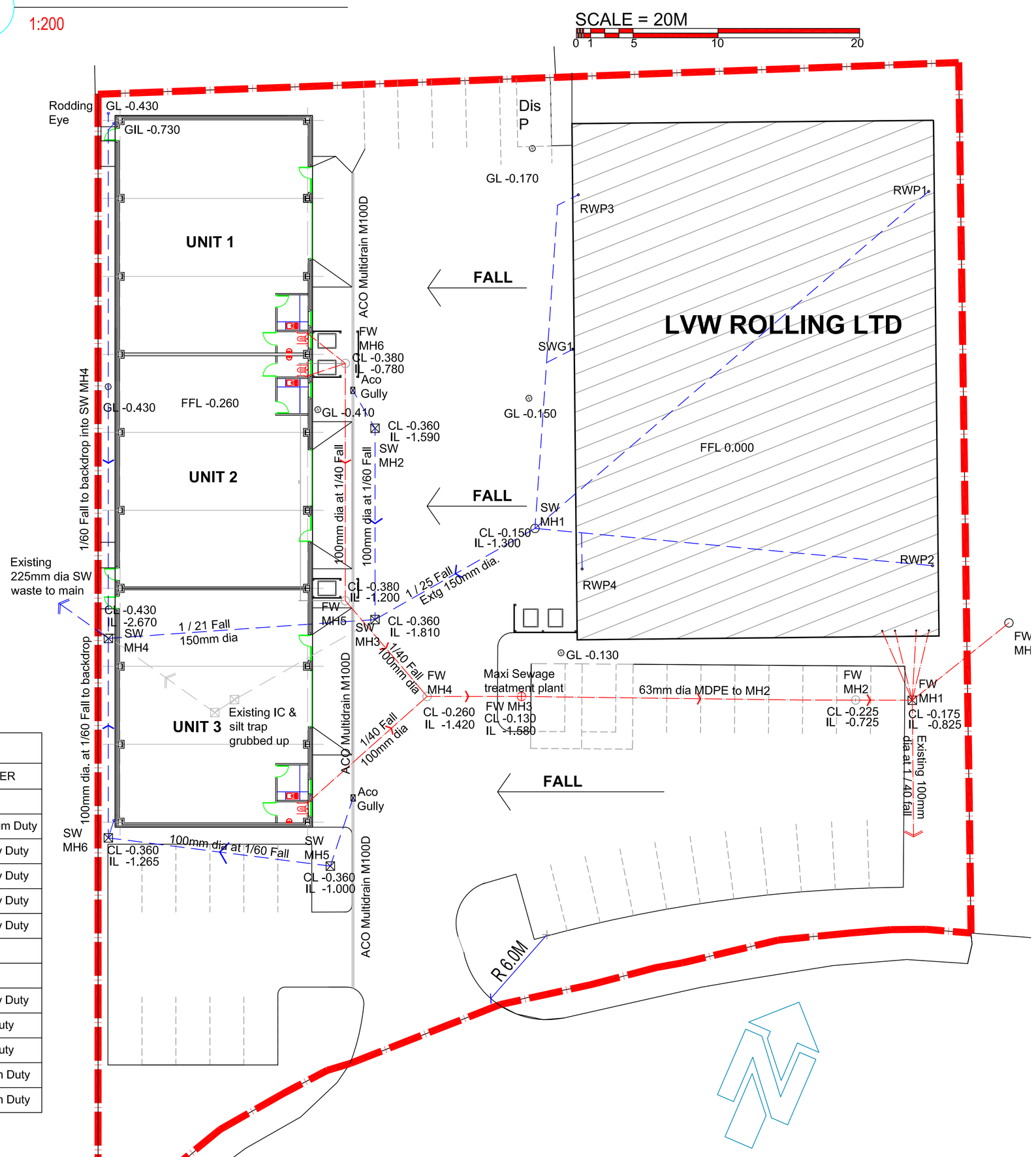
1 EXISTING DRAINAGE

1:500



2 PROPOSED DRAINAGE

1:200



INSPECTION CHAMBER SCHEDULE				
FOUL WATER I.C.'s	COVER LEVEL	INVERT LEVEL	CHAMBER TYPE	CHAMBER COVER
Existing FW IC No. 1	-0.175	-0.825	Existing	Existing
FW IC No. 2	-0.225	-0.625	OSMA Polyprop 450	Ferris Iron Medium Duty
FW IC No. 3	-0.130	-1.560	Maxi1700 pump station	Ferris Iron Heavy Duty
FW IC No. 4	-0.260	-1.420	Wavin Polyprop 450	Ferris Iron Heavy Duty
FW IC No. 5	-0.380	-1.200	Wavin Polyprop 450	Ferris Iron Heavy Duty
FW IC No. 6	-0.380	-0.780	Wavin Polyprop 450	Ferris Iron Heavy Duty
SURFACE WATER I.C.'s				
Existing SW IC No. 1	-0.150	-1.300	Existing	Existing
SW IC No. 2	-0.360	-1.590	OSMA Polyprop 450	Ferris Iron Heavy Duty
SW IC No. 3	-0.360	-1.810	OSMA Polyprop 450	Polyprop Light Duty
SW IC No. 4	-0.430	-2.270	OSMA Polyprop 450	Polyprop Light Duty
SW IC No. 5	-0.360	-1.000	OSMA Polyprop 450	Polyprop Medium Duty
SW IC No. 6	-0.360	-1.265	OSMA Polyprop 450	Polyprop Medium Duty

DRAINAGE CONSTRUCTION DETAILS :-

THE EXISTING 150MM SW WASTE CROSSING THE SITE IS TO BE DIVERTED AS INDICATED ON THE DRAINAGE PLAN. A NEW INSPECTION CHAMBER IC SW3 IS TO BE FORMED OVER THE EXISTING 150MM DIA OUTLET. A NEW 150MM WASTE IS TO BE FORMED UNDER THE NEW UNIT FLOOR SLAB AND BELOW THE NEW FOOTINGS TO PICK UP THE EXISTING FINAL SITE OUTLET. A NEW INSPECTION CHAMBER IC SW4 IS TO BE FORMED AT THIS JUNCTION BETWEEN THE NEW BUILDING AND THE EXISTING BOUNDARY. THE EXISTING SW INSPECTION CHAMBERS, INCLUDING SILT TRAP AND ASSOCIATED CONNECTING PIPEWORK ARE TO BE INFILLED AND GRUBBED UP.

EXTERNALLY PROVIDE AND LAY SUPERSLEEVE UPVC 100MM DIA PIPES WITH FALLS AS INDICATED ON THE DRAWINGS. ANY DRAINS UNDER THE BUILDING, OR WITH LESS THAN 450MM COVER SHALL BE ENCASED IN 150MM CONCRETE WITH FLEXIBLE JOINTS AT 5 METRE CENTRES, COMPRISING 18MM COMPRESSIBLE BOARDS PRE-CUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. ANY NEW DRAIN RUNS DEEPER THAN 450MM AND FURTHER FROM FOUNDATIONS THAN 1M TO BE ENCASED IN 150MM PEA GRAVEL SURROUND.

DRAINS BELOW OR WITHIN 1 METRE OF FOUNDATIONS SHALL BE ENCASED IN CONCRETE UP TO THE LEVEL OF THE FOUNDATION. WHERE THE DISTANCE IS MORE THAN 1 METRE FROM THE WALL, THE CONCRETE FILL SHOULD BE TO A LEVEL BELOW THE UNDERSIDE OF THE FOUNDATIONS EQUAL TO THE DISTANCE FROM THE WALL TO THE NEARSIDE OF THE TRENCH LESS 150MM. GENERALLY THE DRAINAGE SHALL BE IN ACCORDANCE WITH B.S. 8301, AND TO COMPLIANT WITH ALL RELEVANT BRITISH CODES OF PRACTICE.

WASTE PIPES FROM ALL W.H.B.s AND SINKS TO BE 38MM DIAMETER WITH 75MM DEEP SEAL TRAPS. W.C. TO BE 100MM DIA UPVC CONNECTED TO SVP. WHERE FITTINGS ARE IN EXCESS OF 3M FROM SOIL STACK OUTLET 50MM DIA. UPVC WASTES ARE TO BE PROVIDED IN CONJUNCTION WITH ANTI-SYPHONIC TRAPS.

SVP TO SERVICE UNIT 1. UNITS 2 AND 3 SANITARY FITTINGS TO CONNECT TO FW OUTLET VIA AIR ADMITTANCE VALVES. SOIL AND VENT PIPE TO PROJECT 600MM ABOVE ROOF PENETRATION AND TO BE CAPPED WITH ANTI VERMIN MESH. SVP OUTLET TO BE FLASHED INTO ROOF FINISH WITH CODE 4 LEAD COLLARS WITH MINIMUM 150MM UPSTAND AND MINIMUM 150MM SPREAD AT ROOF FINISH LEVEL.

GRAVITY FW CONNECTIONS ARE TO BE VIA 100MM DIA UPVC LAID TO FALLS ALL TO TERMINATE AT SEWAGE TREATMENT PLANT.

CONCRETE FORECOURT DRAINAGE TO BE VIA ACO 135x200MM MULTIDRAIN M100D 20.0 IN CONJUNCTION WITH CENTRAL SUMP UNIT TO CONNECT TO NEW SW INSPECTION CHAMBERS VIA 100MM DIA POLYPROP OUTLET.

NEW RAINWATER DOWNSPOUTS TO BE ALUMASC100MM DIA OR SIMILAR APPROVED TO CONNECT TO SW SYSTEM VIA TRAPPED BACK INLET GULLEY TO INCLUDE GREAT CRESTED NEWT LADDERS.UNIT 1 RAINWATER DOWNSPOUT GULLEYTO CONNECT TO SW SYSTEM WITH ADJACENT RODDING EYE. BOTH RAINWATER GULLYS TO CONNECT TO SW MH4 VIA 100MM DIA WASTE AT 1/ 60 FALL TO BACKDROP INTO 2240MM DEEP SW MH4 CHAMBER

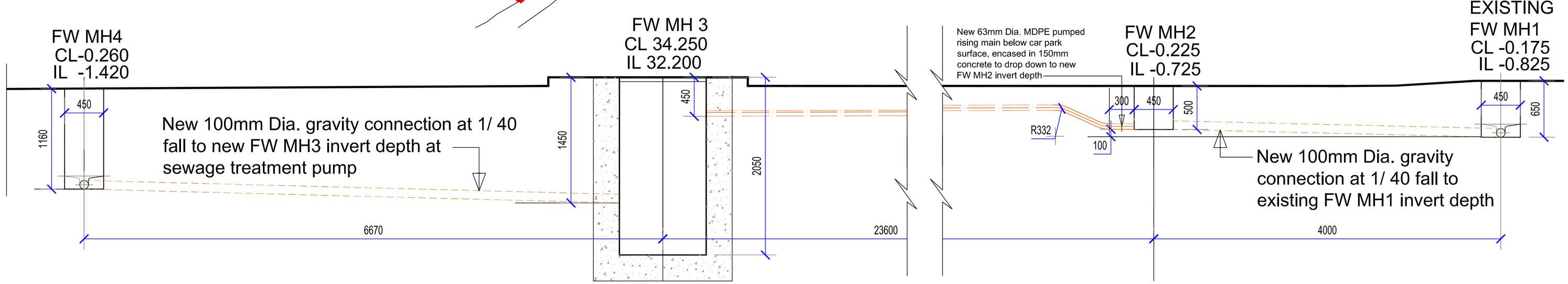
SEWAGE TREATMENT SYSTEM TO BE MAXI1700T/GR/6VX WITH 1700L CAPACITY. SIZE 1000MM DIA , 2000MM DEEP WITH INCOMING CONNECTION INVERTS NOTED ON SECTIONS. THE PUMPED WASTE IS TO BE VIA A 63MM DIA. MDPE PIPE TO THE NEWLY FORMED INSPECTION CHAMBER FW MH2 WHICH IN TURN IS TO BE CONNECTED VIA 1 /40 GRAVITY FALL100MM OUTLET TO THE EXISTING FW MH1. LOCATION AND ADDITIONAL SYSTEMS TO COMPLY WITH 2020 ENVIRONMENTAL AGENCY REQUIREMENTS. INSTALLATION AND SPECIFICATION TO BE CONFIRMED BY SPECIALIST CONTRACTOR.

NEW INSPECTION CHAMBERS TO BE WAVIN OSMA 450MM DIA FOR DEPTHS UP TO 900MM AND WAVIN 450 RANGE POLYPROPYLENE RINGS FOR DEEPER THAN 900MM OR SIM APPROVED ENCASED IN 150MM C25 CONC ON 250MM DEEP C25 CONC BASE WITH PREFORMED 450MM DIA. ACCESS BASES TO BE PLUGGED WHERE PIPE ACCESS CONNECTIONS ARE NOT USED. INSPECTION CHAMBER COVERS TO BE LIGHT DUTY IN SOFT GROUND,MEDIUM DUTY WITHIN PATHWAYS AND HEAVY DUTY WITHIN THE FORECOURT AND PARKING AREAS.

CONTRACTOR TO ENSURE THAT ALL NEW BELOW GROUND DRAINAGE RUNS ARE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL SYSTEMS ARE TO BE TESTED PRIOR TO COMPLETION.

3 SEWAGE TREATMENT SECTION RUN

NTS



Notes to the Contractor

ALL DIMENSIONS AND LEVELS SHOWN ON THIS DRAWING ARE TO BE CHECKED BY THE CONTRACTOR(S) AND ANY DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK ON SITE.
THIS DRAWING IS NOT TO BE SCALED. DIMENSIONS ARE IN MILLIMETRES. COPYRIGHT OF THIS DRAWING BELONGS SOLELY TO AZZURRI ARCHITECTS©

Revised Issues	By	Date

AZZURRI ARCHITECTS

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RHOSDDU INDUSTRIAL ESTATE
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LL11 4YL

Client:- LVW GROUP LTD

LAND ADJACENT TO :- LVW Ltd
RHOSDDU INDUSTRIAL ESTATE
WREXHAM LL11 4YL

PROPOSED LIGHT INDUSTRIAL UNITS

EXISTING AND PROPOSED DRAINAGE

Scales 1/200/500@A1 CAD E/PROJECTS

Date JUNE/2024 Status DESIGN

Drawn DSP Checked

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