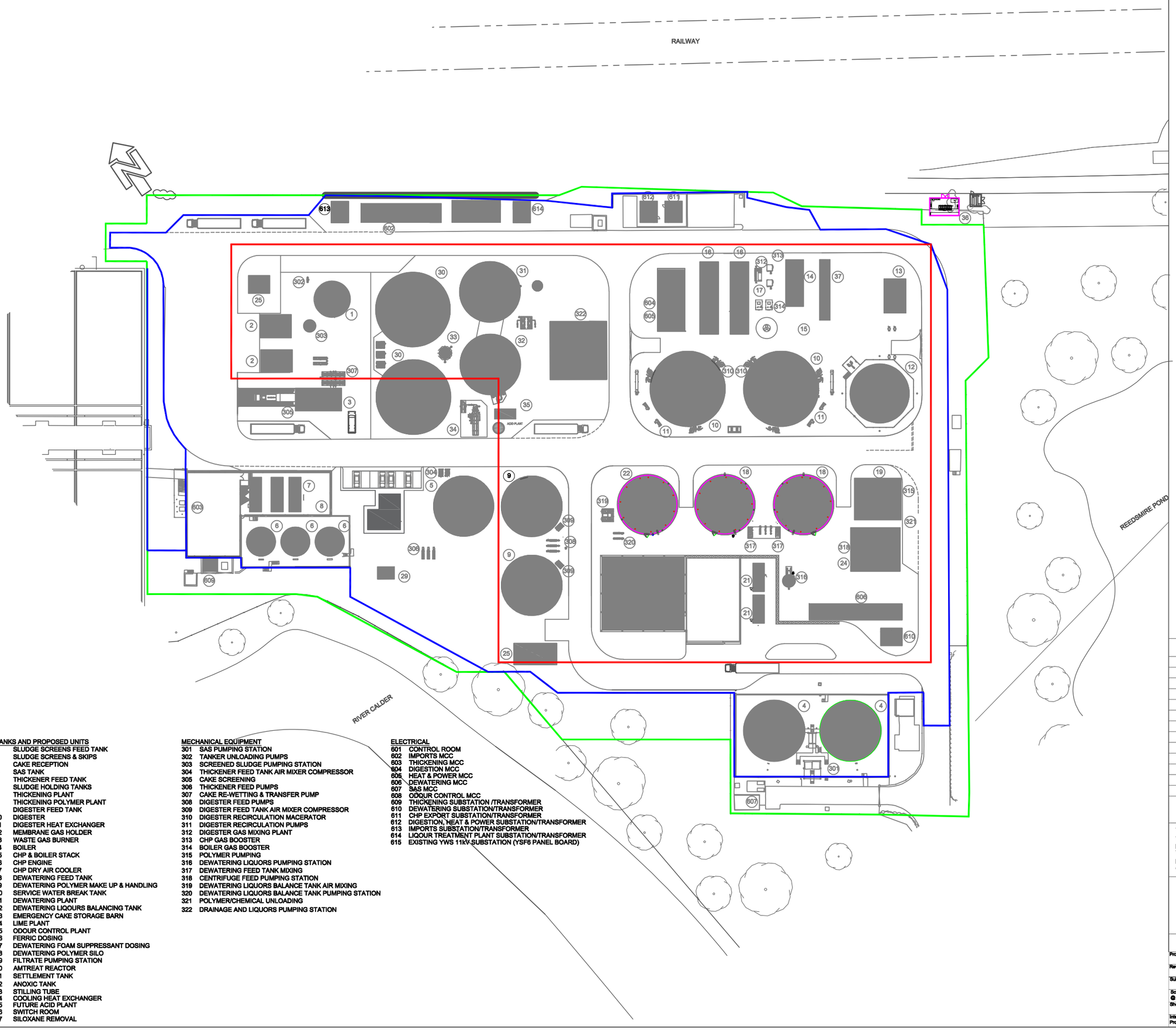

EXISTING PERMIT BOUNDARY

NEW PERMIT BOUNDARY

WHERE POSSIBLE WALL BUILT ALONG EDGE OF IMPERMEABLE SURFACE

TANKS AND PROPOSED UNITS

1 SLUDGE SCREENS FEED TANK
2 SLUDGE SCREENS & SKIPS
3 CAKE RECEPTION
4 SAS TANK
5 THICKENER FEED TANK
6 SLUDGE HOLDING TANKS
7 THICKENING PLANT
8 THICKENING POLYMER PLANT
9 DIGESTER FEED TANK
10 DIGESTER
11 DIGESTER HEAT EXCHANGER
12 MEMBRANE GAS HOLDER
13 WASTE GAS BURNER
14 BOILER
15 CHP & BOILER STACK
16 CHP ENGINE
17 CHP DRY AIR COOLER
18 DEWATERING FEED TANK
19 DEWATERING POLYMER MAKE UP & HANDLING
20 SERVICE WATER BREAK TANK
21 DEWATERING PLANT
22 DEWATERING LIQOURS BALANCING TANK
23 EMERGENCY CAKE STORAGE BARN
24 LIME PLANT
25 ODOUR CONTROL PLANT
26 FERRIC DOSING
27 DEWATERING FOAM SUPPRESSANT DOSING
28 DEWATERING POLYMER SILO
29 FILTRATE PUMPING STATION
30 AMTREAT REACTOR
31 SETTLEMENT TANK
32 ANOXIC TANK
33 STILLING TUBE
34 COOLING HEAT EXCHANGER
35 FUTURE ACID PLANT
36 SWITCH ROOM
37 SILOXANE REMOVAL

MECHANICAL EQUIPMENT

301 SAS PUMPING STATION
302 TANKER UNLOADING PUMPS
303 SCREENED SLUDGE PUMPING STATION
304 THICKENER FEED TANK AIR MIXER COMPRESSOR
305 CAKE SCREENING
306 THICKENER FEED PUMPS
307 CAKE RE-WETTING & TRANSFER PUMP
308 DIGESTER FEED PUMPS
309 DIGESTER FEED TANK AIR MIXER COMPRESSOR
310 DIGESTER RECIRCULATION MACERATOR
311 DIGESTER RECIRCULATION PUMPS
312 DIGESTER GAS MIXING PLANT
313 CHP GAS BOOSTER
314 BOILER GAS BOOSTER
315 POLYMER PUMPING
316 DEWATERING LIQUORS PUMPING STATION
317 DEWATERING FEED TANK MIXING
318 CENTRIFUGE FEED PUMPING STATION
319 DEWATERING LIQUORS BALANCE TANK AIR MIXING
320 DEWATERING LIQUORS BALANCE TANK PUMPING STATION
321 POLYMER/CHEMICAL UNLOADING
322 DRAINAGE AND LIQUORS PUMPING STATION

ELECTRICAL

601 CONTROL ROOM
602 IMPORTS MCC
603 THICKENING MCC
604 DIGESTION MCC
605 HEAT & POWER MCC
606 DEWATERING MCC
607 SAS MCC
608 ODOUR CONTROL MCC
609 THICKENING SUBSTATION /TRANSFORMER
610 DEWATERING SUBSTATION/TRANSFORMER
611 CHP EXPORT SUBSTATION/TRANSFORMER
612 DIGESTION, HEAT & POWER SUBSTATION/TRANSFORMER
613 IMPORTS SUBSTATION/TRANSFORMER
614 LIQOUR TREATMENT PLANT SUBSTATION/TRANSFORMER
615 EXISTING YWS 11kV SUBSTATION (YSF6 PANEL BOARD)

REV	DRAWN	CHECKED	APPROVED	DATE

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MURPHY WORLD-CLASS INFRASTRUCTURE

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YorkshireWater

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Project:	HUDDERSFIELD ENERGY AND RECYCLING FACILITY
Revision: P01	Dwg Title: SITE LAYOUT WITH BOUNDARY
Suitability: S0	
Scale @ A1: 1:500	Dwg No: R1440-MPE-SW-XX-DR-EA-00002
Sheets:	Purpose of Issue: PRELIMINARY ISSUE
Internal Proj.Ref:	Client Ref Number:

38
Sewage Works
Tank
Scrap Yard
Pond
Three Nuns (PH)
Nunbrook Mills
Cooper Bridge Sewage Works
Filter Beds
Stubbin's Plantation
Dumb Steeple Obelisk
Rose Cottage
GVC
LEEDS ROAD
Calder Trading Estate
Cooper Bridge Floodgate
Cooper Bridge
Cooper Bridge Lock
Heaton Lodge Sewage Works
Heaton Lodge Pumping Station
River Calder
Calder and Hebble Navigation
Bailey Cut
Nun Brook
Aqueduct
Weirbrook
Sewage Works
Water
Scrub
Slope
Tank
Track
Issues
Pond
Footbridge
Bridge
Culvert
Weir
Sluice
Pump House
Sewage Works
Filter Beds
Settling
Tanks
Nunbrook Mills
Mill Pond
Sluice
Weir
Aqueduct
Bridge
Culvert
Footbridge
Pump House
Sewage Works
Filter Beds
Settling
Tanks
Weir
Sluice