

LEGEND

- PROPOSED SITE ▬
- MAJOR OUTFALL ➡
- MINOR OUTFALL ➡

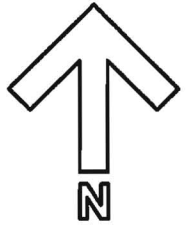
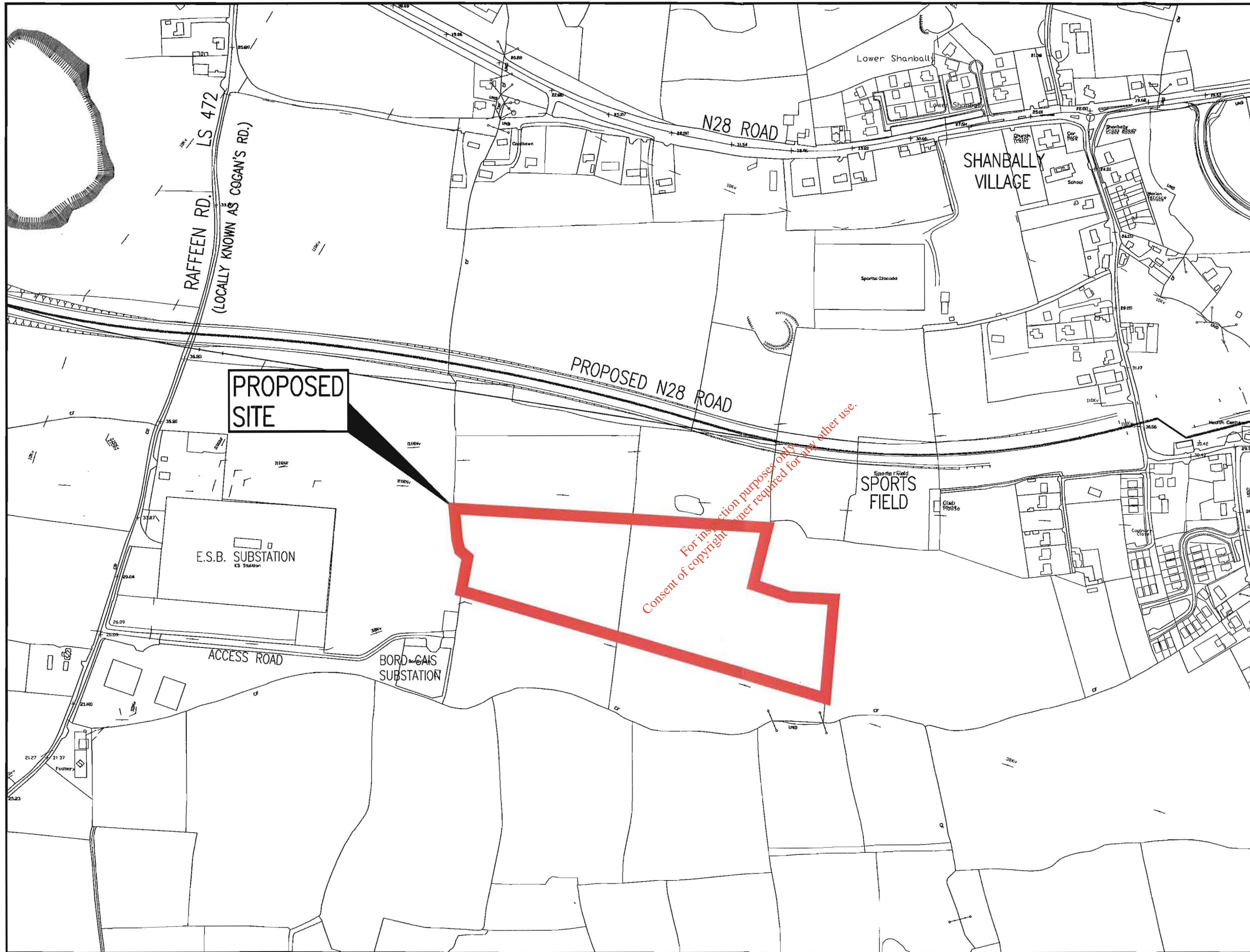
FIGURE 2.1 LOCATION OF EXISTING OUTFALLS AND PROPOSED OUTFALL SCALE 1:35,000



LEGEND
 PROPOSED SITE ———

SOURCE: ORDNANCE SURVEY DISCOVERY SERIES OS 1806 & OS 1606

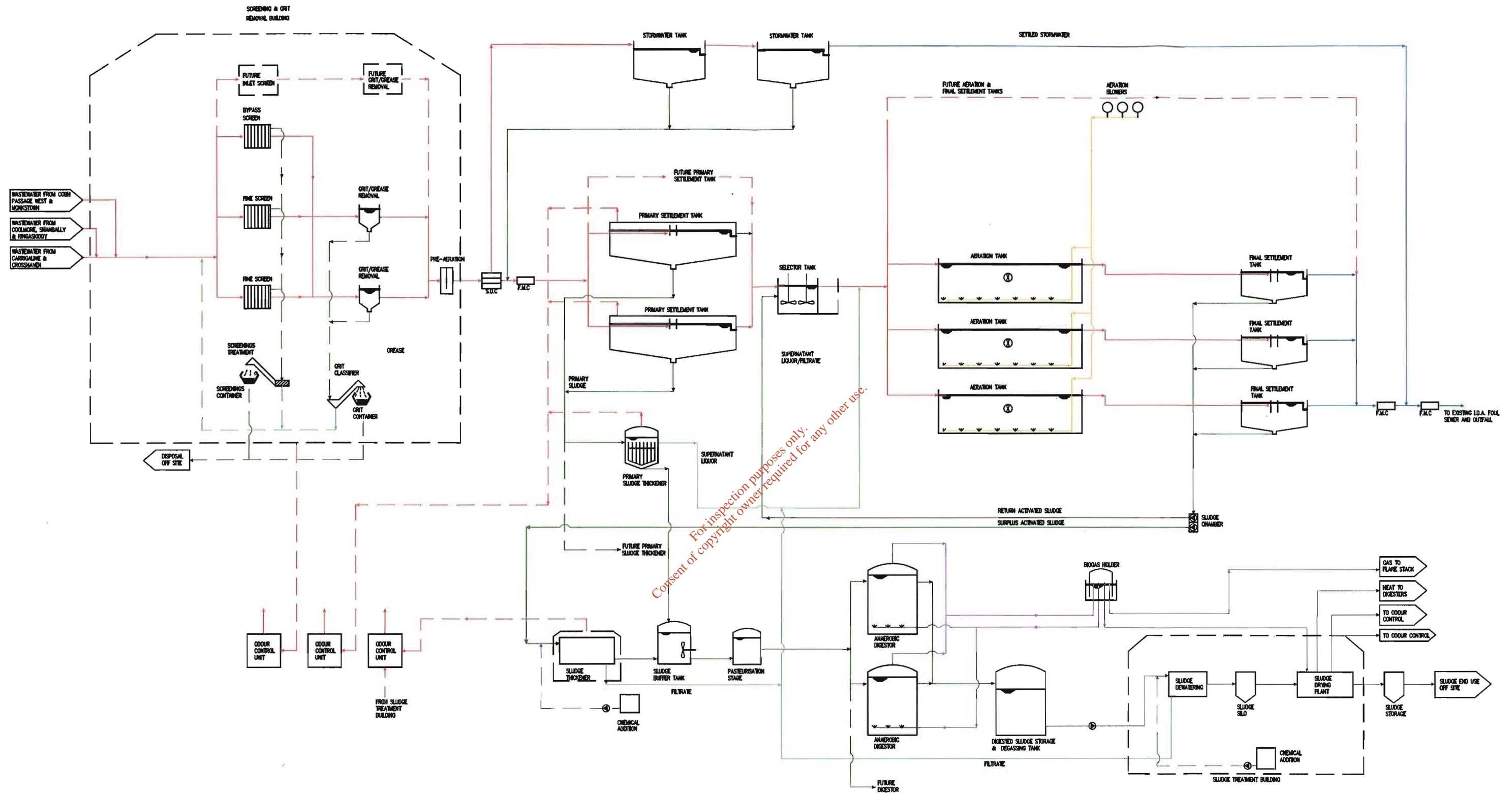
FIGURE 2.3 SITE LOCATION – REGIONAL SCALE 1:50,000



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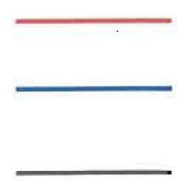
LEGEND

PROPOSED SITE

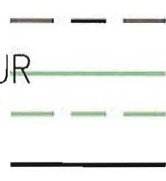


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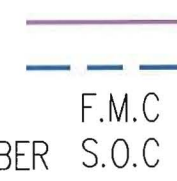
WASTEWATER
TREATED EFFLUENT/
SETTLED STORMWATER
SLUDGE



SCREENINGS/GRIT/GREASE
FILTRATE/SUPERNATANT LIQUOR
REJECT WASHWATER
AIR



BIOGAS
CHEMICAL
FLOW MONITORING CHAMBER
STORMWATER OVERFLOW CHAMBER



PUMP STATION
AIR DIFFUSER
MIXER
SUBMERSIBLE FLOW BOOSTER

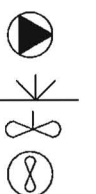
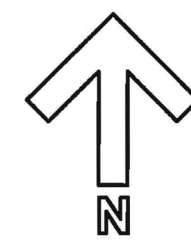
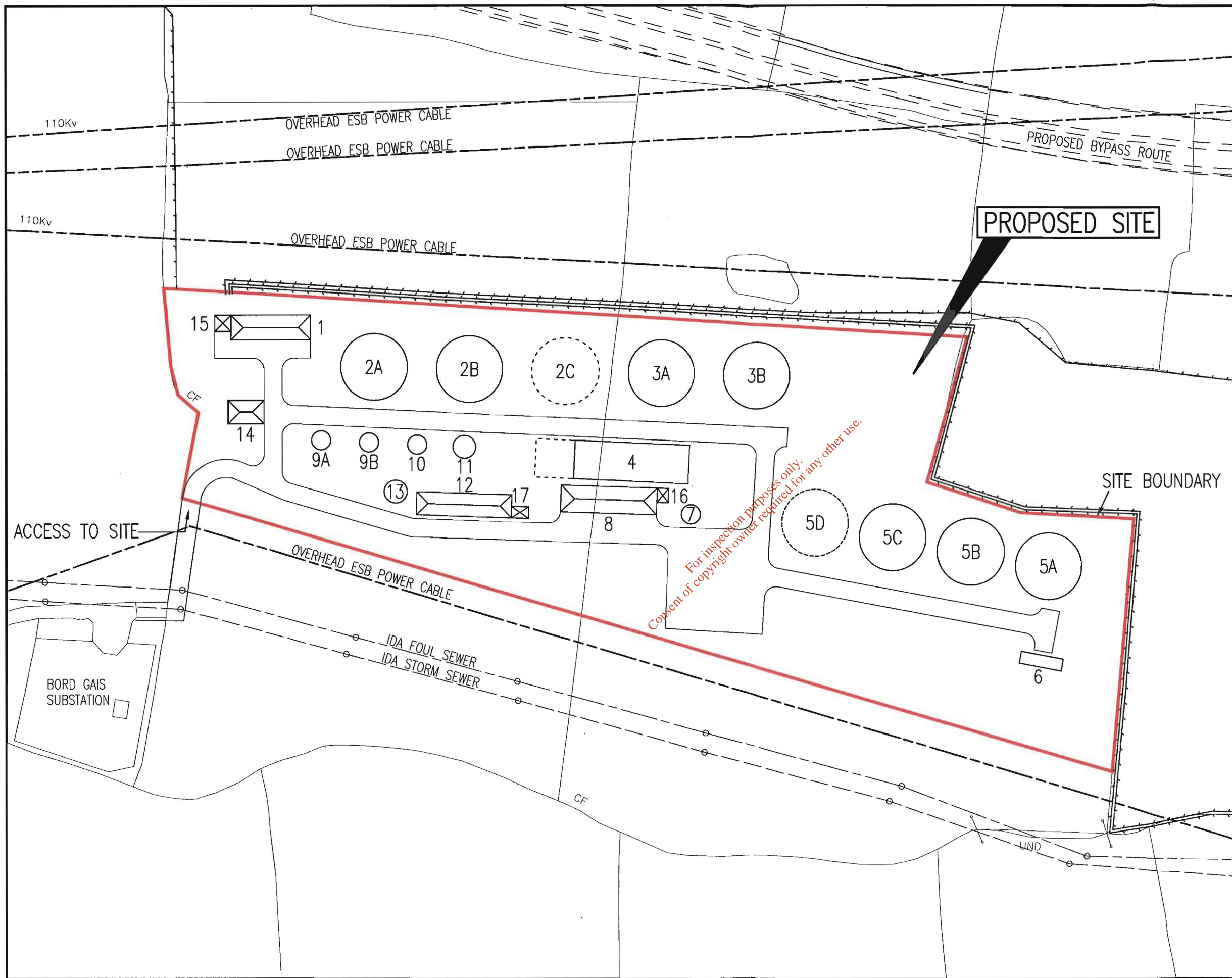


FIGURE 2.5 PROPOSED WWTP SCHEMATIC FLOW PROFILE FOR
CONVENTIONAL ACTIVATED SLUDGE SYSTEM (INDICATIVE DESIGN Nr.1)

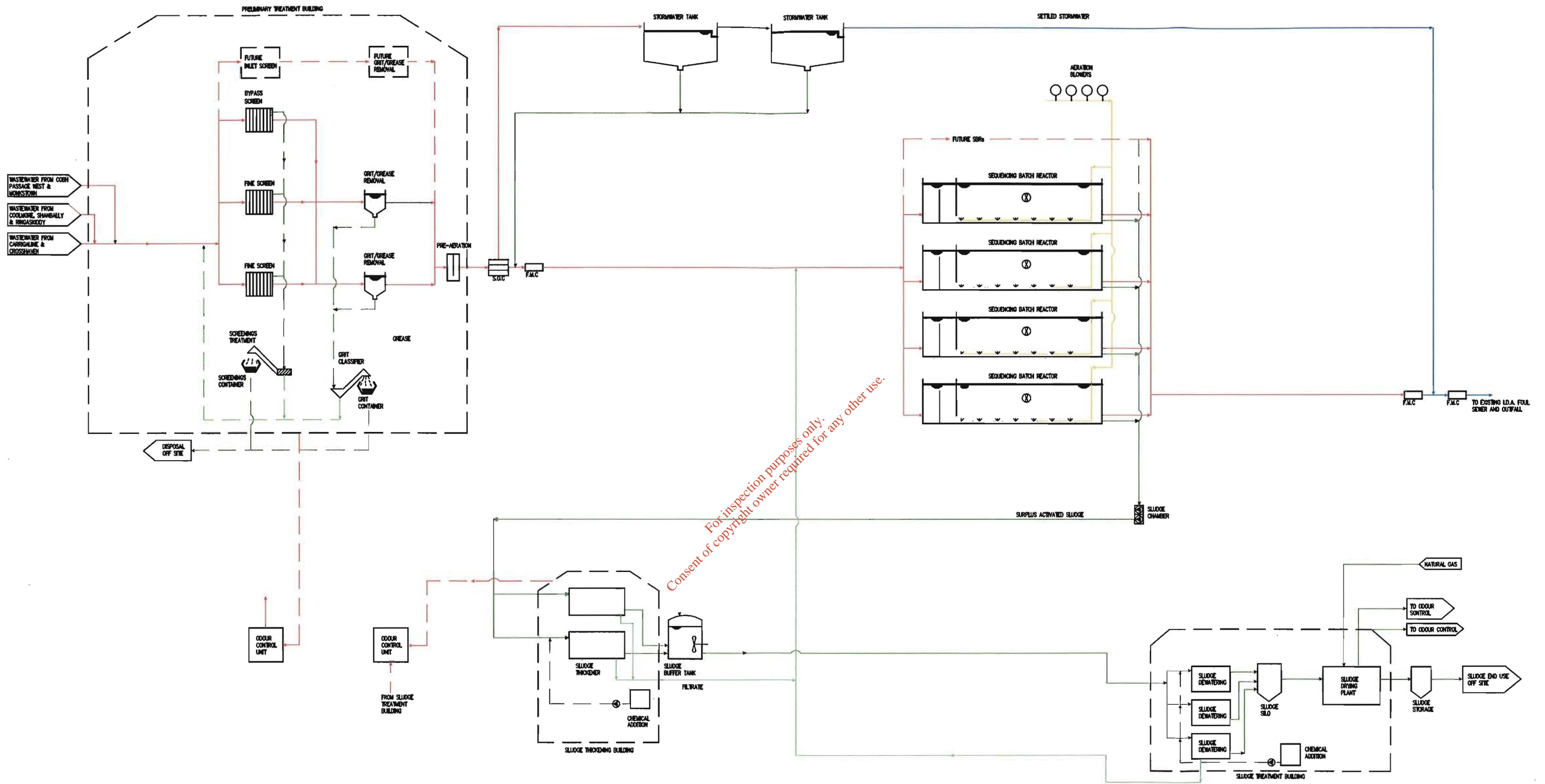


NOTES

1. PRELIMINARY TREATMENT (SCREENING, GRIT REMOVAL & PRE-AERATION)
2. PRIMARY SETTLEMENT TANKS
3. STORMWATER SETTLEMENT TANKS
4. AERATION TANKS
5. SECONDARY SETTLEMENT TANKS
6. TREATED EFFLUENT MONITORING CHAMBER
7. PRIMARY SLUDGE THICKENER TANK
8. ACTIVATED SLUDGE BUILDING (CONTAINING WASTE ACTIVATED SLUDGE BELT THICKENER)
9. ANEROBIC SLUDGE DIGESTERS
10. DIGESTED SLUDGE STORAGE TANK
11. BIOGAS HOLDER
12. SLUDGE TREATMENT BUILDING (HOUSING THE DIGESTED SLUDGE DEWATERING SYSTEM AND THE SLUDGE DRYING PLANT)
13. DRIED SLUDGE STORAGE SILO
14. ADMINISTRATION / CONTROL BUILDING
15. PRELIMINARY TREATMENT ODOUR CONTROL UNIT
16. PRIMARY SLUDGE ODOUR CONTROL TREATMENT UNIT
17. SECONDARY SLUDGE ODOUR TREATMENT UNIT

LEGEND

- PROPOSED SITE
- RISING MAIN
- FOUL SEWER
- STORM SEWER
- PROPOSED BYPASS
- ESB CABLE
- INDICATES SPACE AVAILABLE FOR FUTURE EXPANSION



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WASTEWATER		SCREENINGS/GRIT/GREASE		CHEMICAL		PUMP STATION	
TREATED EFFLUENT/ SETTLED STORMWATER		FILTRATE/SUPERNATANT LIQUOR		FLOW MONITORING CHAMBER F.M.C		AIR DIFFUSER	
SLUDGE		AIR		STORMWATER OVERFLOW CHAMBER S.O.C		MIXER	
		NATURAL GAS				SUBMERSIBLE FLOW BOOSTER	

FIGURE 2.7 PROPOSED WWT PLANT SCHEMATIC FLOW PROFILE FOR SBR SYSTEM (INDICATIVE DESIGN Nr.2)