

LEGEND

- PROPOSED SITE
- MAJOR OUTFALL
- MINOR OUTFALL

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



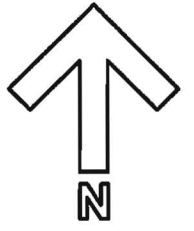
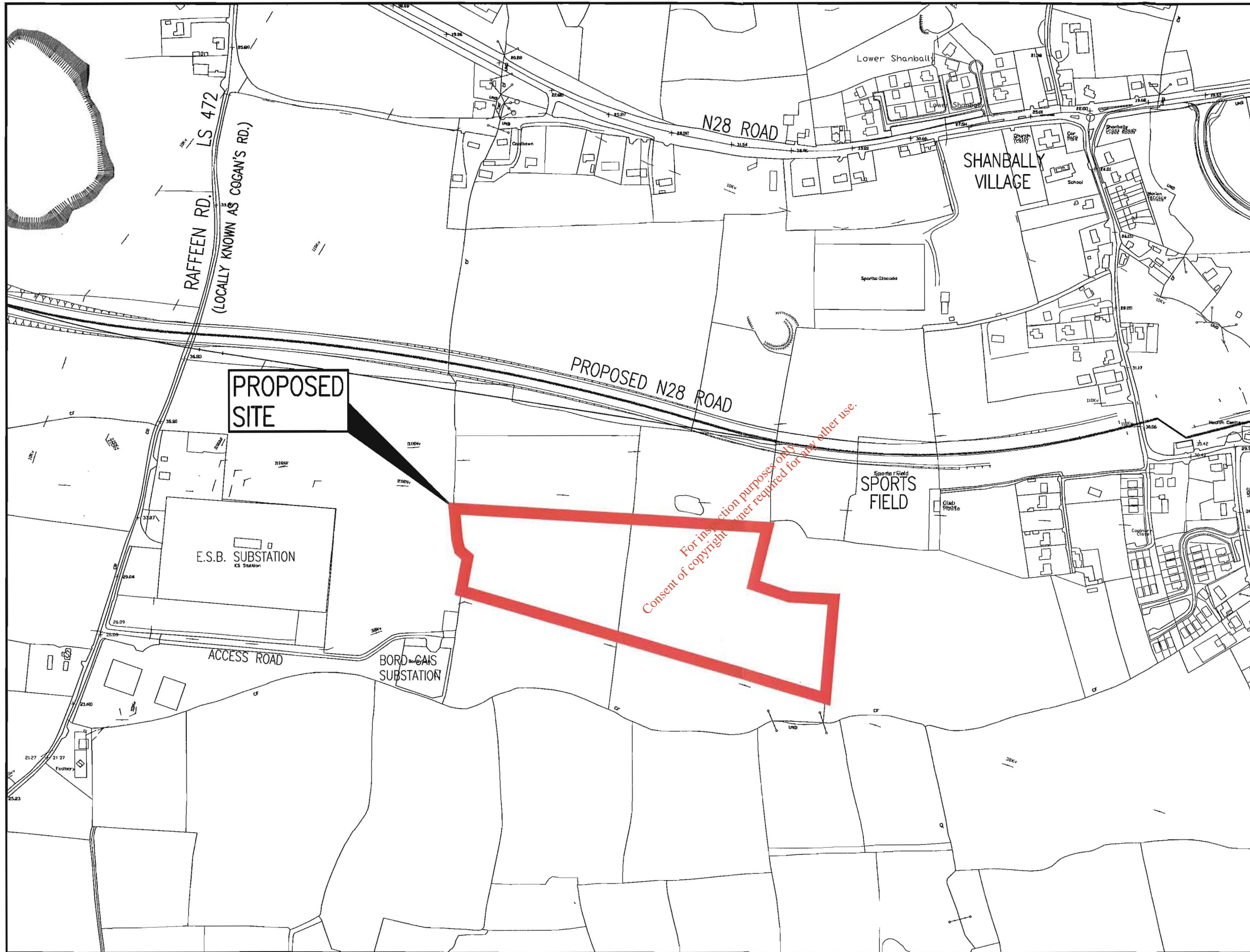


**LEGEND**

PROPOSED SITE ———

SOURCE: ORDNANCE SURVEY DISCOVERY SERIES OS 1806 & OS 1606

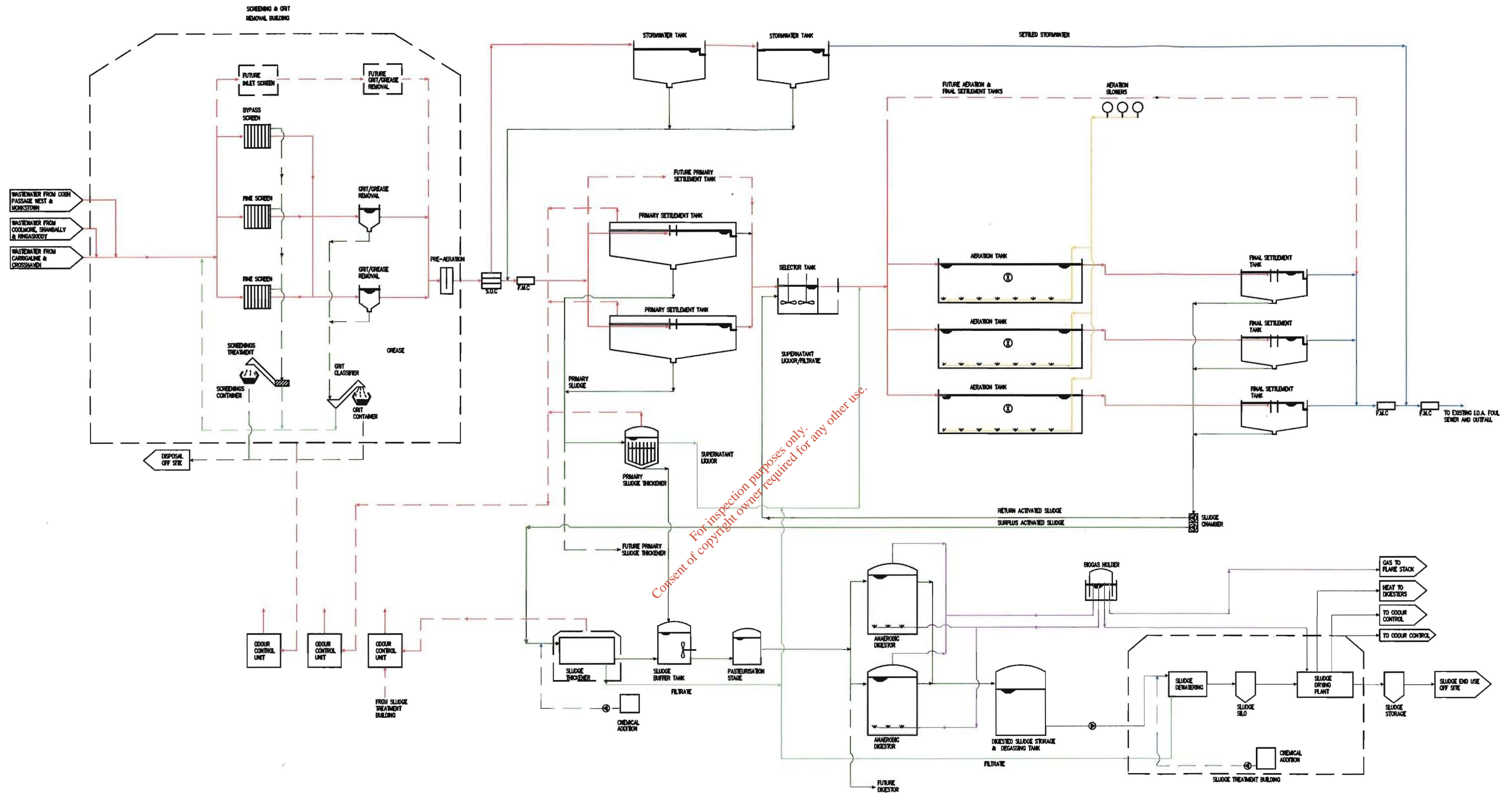
FIGURE 2.3 SITE LOCATION – REGIONAL SCALE 1:50,000



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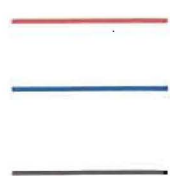
**LEGEND**

PROPOSED SITE

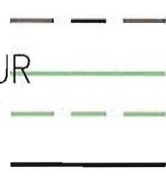


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WASTEWATER  
TREATED EFFLUENT/  
SETTLED STORMWATER  
SLUDGE



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

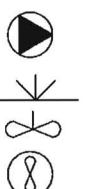
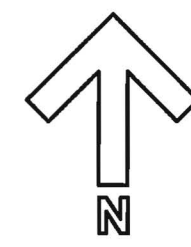
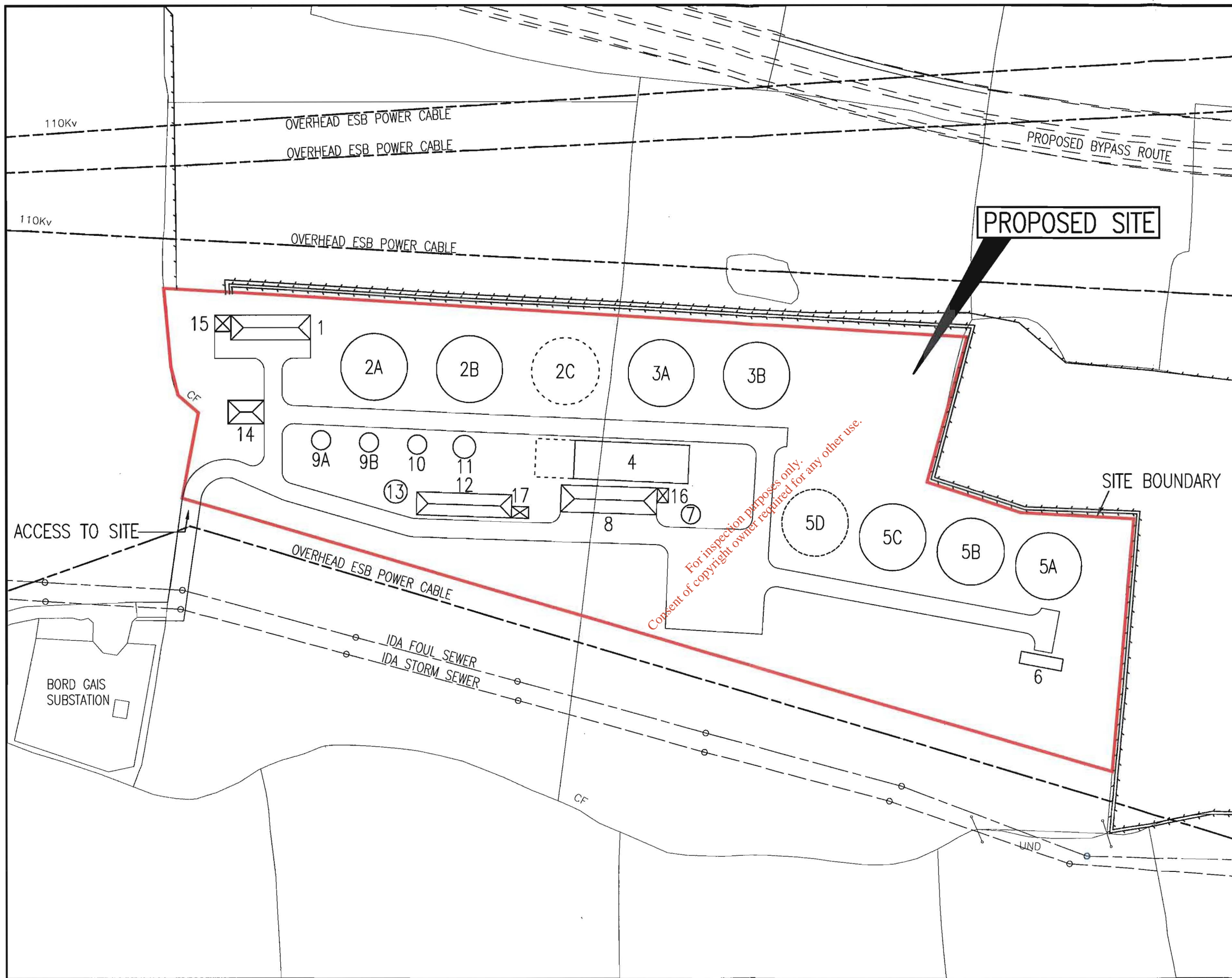


FIGURE 2.5 PROPOSED WWTP SCHEMATIC FLOW PROFILE FOR CONVENTIONAL ACTIVATED SLUDGE SYSTEM (INDICATIVE DESIGN Nr.1)



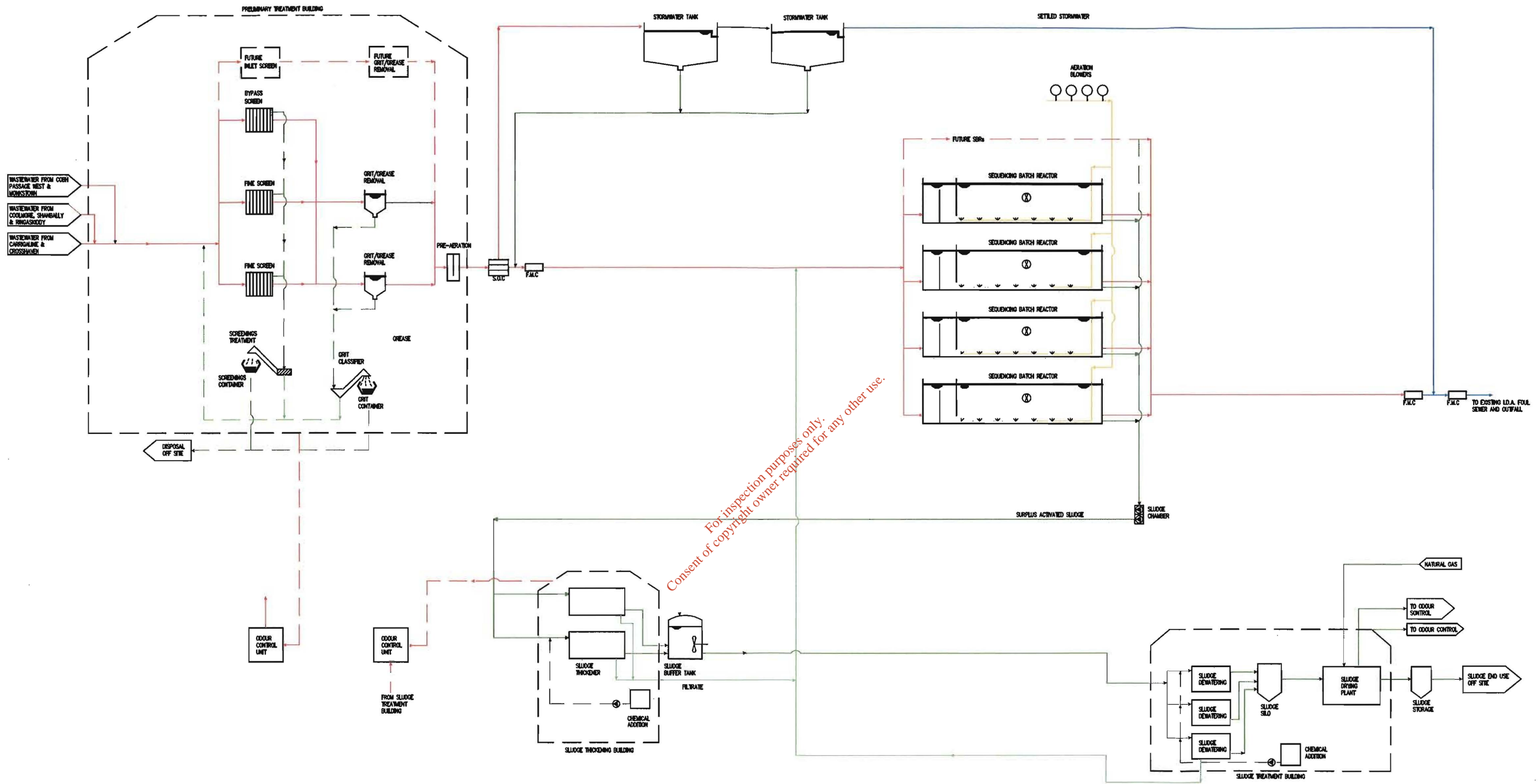
**NOTES**

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/<br>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 WWTPL SCHEMATIC FLOW PROFILE FOR SBR SYSTEM (INDICATIVE DESIGN Nr.2)