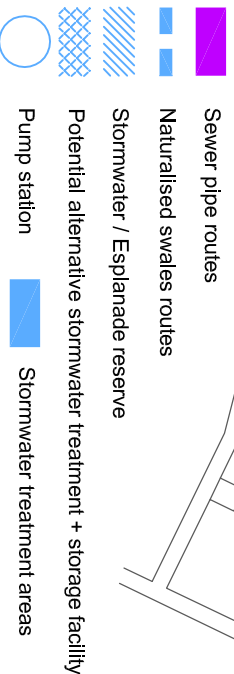
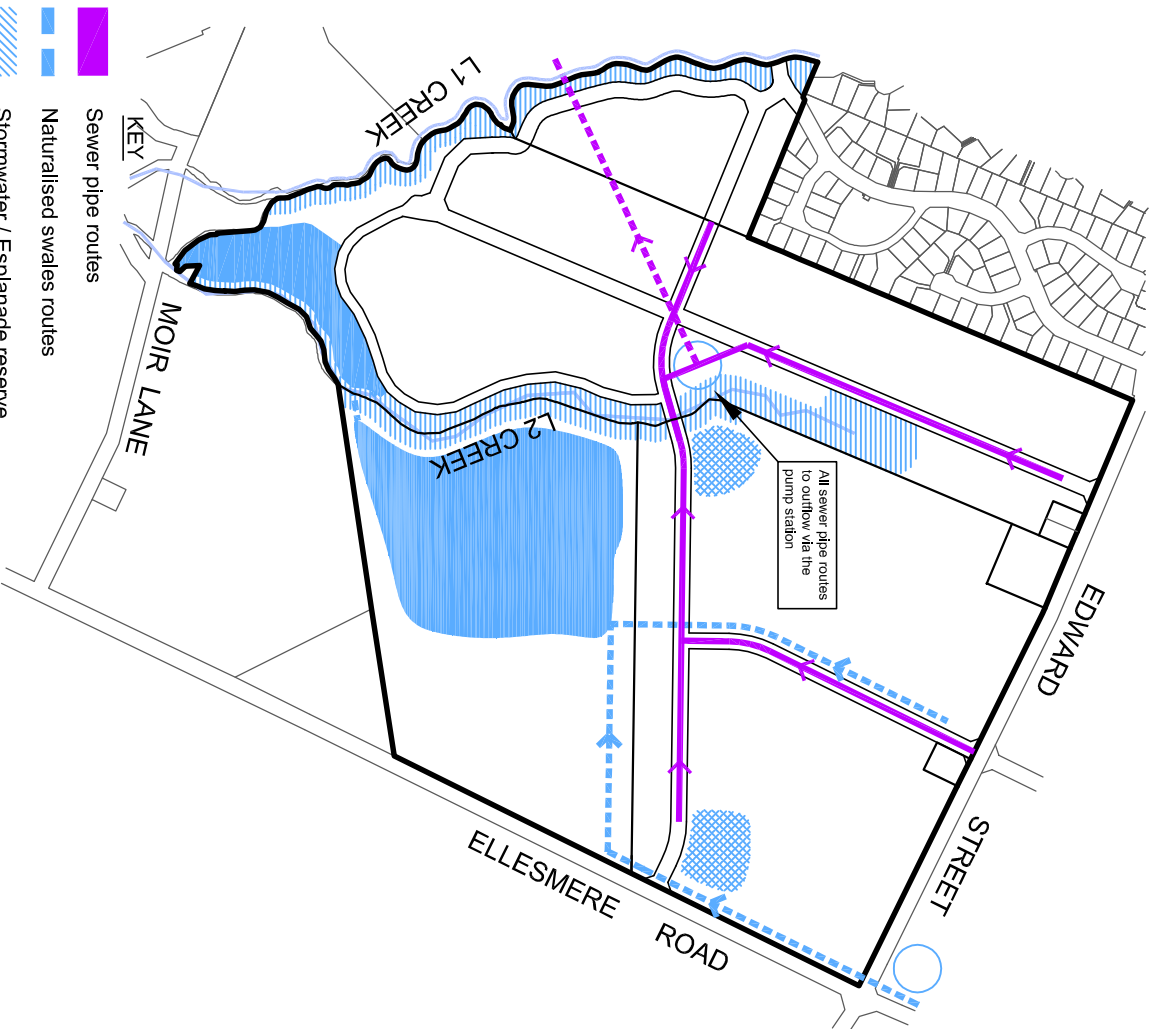


STORMWATER & SEWER NETWORK PLAN



3. SERVICES NETWORK

Overall objectives:

1. Ensure that an integrated and efficient services network is provided across the entire ODP Area 2.
2. Design the location of services on the basis of an efficient "ODP wide" system rather than on an individual property or subdivision only basis.
3. Provide a sewer pump station adjacent to the "east-west primary road" with sufficient capacity to accommodate residential development on all of ODP Area 2.
4. Design the primary stormwater management system in general accordance with the Lincoln Integrated Stormwater Management Plan (ISMP).
5. Provide on-site stormwater management where ISMP system is not available.
6. Where possible, utilise natural drainage patterns and swales for stormwater management.
7. Stormwater management areas will be designed to be integrated with reserve and open spaces, pedestrian walkway, and cycling networks.
8. Provision of a comprehensive stormwater/ wetland system, including stormwater wetland areas where required to accommodate necessary flows and secondary flow paths or flood capacity measures away from residential property.
9. Provision of wells and water pumping facilities to provide sufficient capacity for all future growth in this area, including main trunk connections where necessary.

The sewer system in ODP Area 2 will provide sufficient capability to accommodate flows from within the ODP Area 2. This will provide an efficient, integrated, and cost-effective sewer system for eastern Lincoln.

A sewer pump station will be provided in the southern part of the proposed Liffey Springs subdivision to accommodate flows from all of ODP Area 2.

Esplanade reserves and open space areas will be provided along the L1 and L2 creeks and provide a dual purpose of stormwater management and public open space and recreation.

Stormwater management for the Liffey Springs and Zeestraten Properties (Properties 1, and 2) will be provided at the southern end of the Liffey Springs and be integrated with the confluence of the L1 and L11 creeks.

A Stormwater management and storage area will be provided on Property 3 (Adams). The storage area will be designed to manage flows from residential development on Property 4 and from urban development on ODP Area 3, north of Edward St. These flows may be conveyed via a newly constructed SW drain alongside Ellesmere Rd through Property 4..