

Underground bins



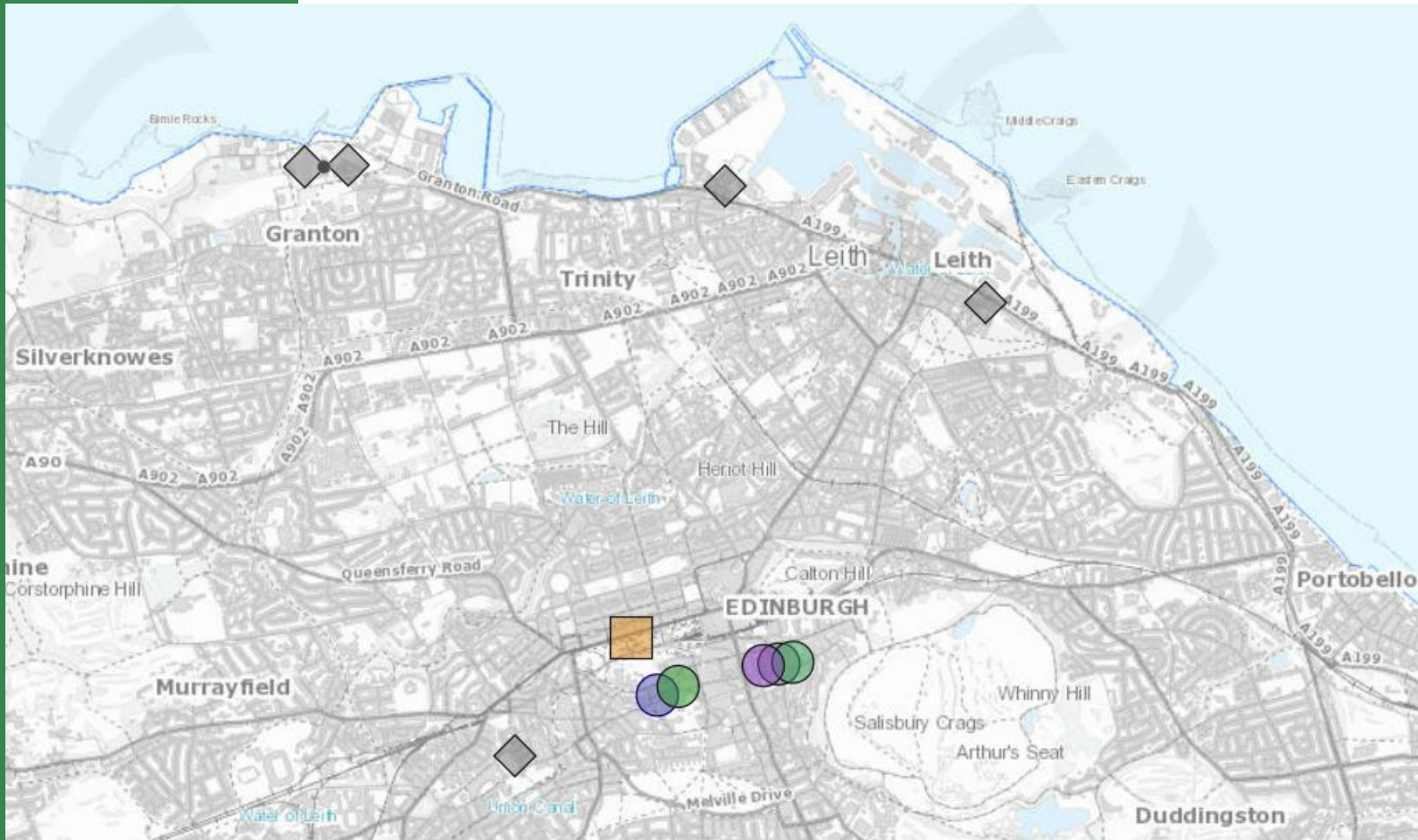
City of Edinburgh Council

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Underground bins in Edinburgh

Site/number of containers	4000L NRW	1280L NRW	1280L DMR	1280L Glass	3000L silos
Grassmarket			6	3	
St John's Street/Morgan Lane		21	11	4	
McEwan Square and Brandfield Street	8				
Fairbairn Place/Melrose Drive	2				
Kingsburgh Crescent	2				
Sailmaker Road/Pillans Street	3				
Saltire Street	2				
Princes Street Gardens					14
Total	17	21	17	7	14

Underground bins in Edinburgh



- ◆ 4000L non-recyclable waste
- 1280L non-recyclable waste
- 1280L mixed recycling
- 1280L glass
- Semi-underground bins (SILOS) for litter

Residential properties - Grassmarket

1280L bins Underground for recycling and glass. Hydraulic platform

1280L bins for non-recyclable waste on street



Student accommodation

– St John Street

1280L bins Underground for recycling, glass and non-recyclable waste



Residential properties

– Melrose Drive

4000L bins Underground for
non-recyclable waste

1280L bins for recycling in bin
stores



Residential properties –Kingsburgh Crescent

4000L bins Underground for
non-recyclable waste

1280L bins for recycling nearby



Litter bins - Princes Street Gardens

14 x 3000L of semi-underground containers (SILOS) for litter collection.



Underground bins in Edinburgh

◆ 4000L non-recyclable waste



4000L bins are collected by side loaders

● 1280L non-recyclable waste

● 1280L mixed recycling

● 1280L glass

■ Semi-underground bins (SILOS) for litter



Underground bins in Edinburgh

◆ 4000L non-recyclable waste

● 1280L non-recyclable waste

● 1280L mixed recycling

● 1280L glass

■ Semi-underground bins (SILOS) for litter

1280L bins are collected by rear collection vehicles



Underground bins in Edinburgh

◆ 4000L non-recyclable waste

● 1280L non-recyclable waste

● 1280L mixed recycling

● 1280L glass

■ Semi-underground bins (SILOS) for litter

Semi-underground bins are collected by an Hi-Ab vehicle with a cage vehicle alongside

Fragmentation of the services

- The current underground solutions are different for type of vehicle used
i.e. 1280L and side loading bins
- Different department i.e. cleansing and waste
- specialised and complex service for the semi-underground bin due to
type of containers and location
 - Hi Ab – cage vehicle
 - weight restriction of vehicle that can use Princes Street Gardens

Lesson Learnt

- All type of waste and recycling on the same service including DMR and NRW
- Maintenance programme and finance. Council typically left to arrange repairs when systems fail
- Collaboration with other improvement streetscapes, new developments and other departments to have a wider strategy to improve the services and the overall public realm

Waste and Cleansing services strategy – challenges and opportunity

New system for underground with crane lifting in new developments/masterplan area

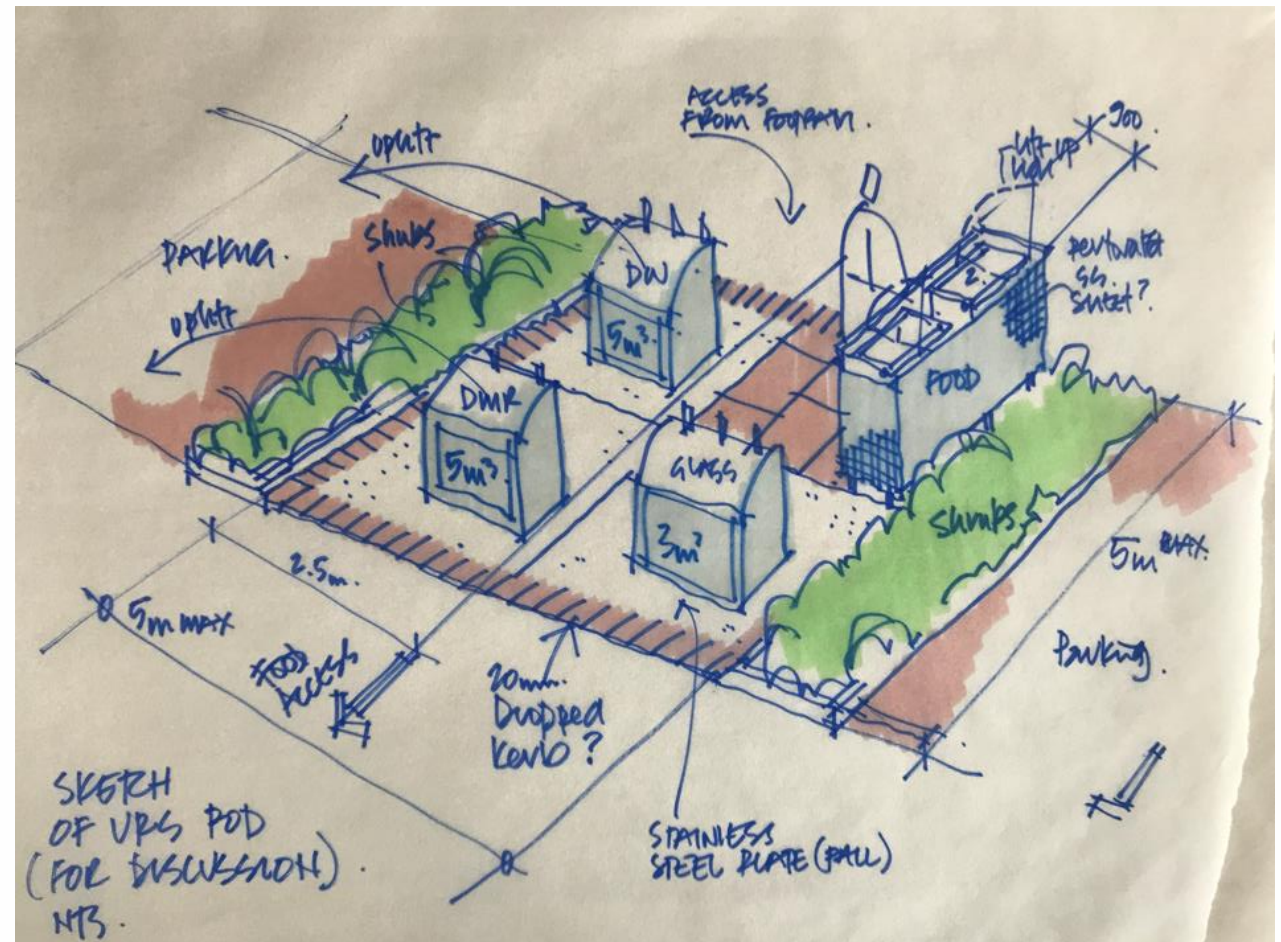
- Better planning
- New vehicles trialling
- Maintenance in place
- Complete underground solution for relevant waste streams rather than historical fragmented approach



Masterplan for residential properties - Granton

4000L bins Underground for non-recyclable waste, recycling and glass

500 properties serviced by 22 underground bin locations



Masterplan for residential properties - Granton Masterplan



Masterplan for residential properties - Granton masterplan



Next steps

- APSE feasibility study on WHS including Underground bins
- Retrofitting of old systems of UGB to ensure standard services
- Learn from Granton area masterplan on the crane lifting vehicles which will allow more scope also for different bin type on surface/street + vehicles needs
- Where underground cost prohibitive could promote above ground crane lift containers to maximise capacity and increase collection efficiencies

Thank you!