



- Notes:
- Proposed surface water pipework shall be Polypipe Ridgidrain pipework and fittings.
  - Surface Water pipework has been designed to achieve a minimum self-cleansing velocity of 1m/s.
  - Proposed manhole covers shall be Noroc ductile iron covers by EJ Covers, load class D400 to IS EN 124.
  - Proposed road gullies shall be the Polypipe Ridgidully with D400 Buffalo 100 ductile iron grating.
  - Proposed drainage channel shall be one of the following with a load class of D400 to IS EN 124:
    - Type 1 = Aco RoadDrain 100 Series PD 100 F 50.1
    - Type 2 = Aco MultiDrain Monoblock PD 100 D 30.1
  - All runoff from the carpark, access roads & yards shall discharge to the public sewer via a class 1 hydrocarbon interceptor to BS EN 858-2 by Klargester, model type as follows:
    - Type 1 = Full Retention NSFA080
    - Type 2 = Full Retention NSFA200
    - Type 3 = Forecourt Separator
- All separators shall be fitted with an oil alarm system to be tied back to the building management system in accordance with BS EN 858-1.

Proposed Surface Water Tanks		
Tank #	Tank 01 - Fire Water Retention	Tank 02 - Surf
Type:	R.C. Tank	R.C. Tank
Storage Volume:	1690m³	1250m³
Plan Area:	630m²	350m²
Depth:	3.0m	3.0m
100yr T.W.L.:	2.50m	2.50m
CL:	4.55m (Min.)	4.55m (Min.)
IL:	-0.50m (Inlet/Outlet)	-0.50m (Inlet/Outlet)
Monitoring Station:	No. 01	No. 02
Discharge:		118L/Sec (100yr)

- Legend:
- Proposed Surface Water Drain & Manhole - Roads
  - Proposed Surface Water Drain & Manhole - Buildings
  - Proposed Hydrocarbon Interceptor
  - Proposed Drainage Channel
  - Proposed Road Gully
  - Proposed Back Drop Manhole
  - Planning Boundary

Notes:

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Project Title  
 Ringaskiddy Resource Recovery Centre

Drawing Title  
 Proposed Surface Water Drainage Layout  
 Sheet 1 of 2

Scale at A1	1:500
Role	Site Infrastructure
Suitability	Planning
Arup Job No	238129-00
Name	C-000-011
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