Area A-B: Automated Recirculation System in 1990

Legend
- Subsurface Leachate Distribution Lines
- S Automated Recirculation Sump
- R Recharge Well
- V Valve Vault

Stormwater Lagoon
Leach Field B-1
Leach Field B-2
Truck Loading for Manual Recirculation
Truck Loading Point
Valve House
Truck Loading Point
Valve Vault
Area C: Location of Leachate Recharge Wells (Manually Loaded)
Leachate Recirculation Fields

Leachate Recirculation Well No. 3
4” Diameter HDPE Pipe
From the Area Master Pump Station

Leachate Recirculation Well No. 2

Leachate Recirculation Well No. 1

Leachate Recirculation Fields

Plan View of the Area D Leachate Recirculation System
Area D: Cross Section of Recirculation System
Typical Cross-Section - Area D Recirculation Well

- 6" Sch. 80 PVC Gas Vent Pipe (6" Long with 2 - 90° Bends)
- Plywood Lid 1/2" Thick Weather Painted Grey
- Crushed Stone - Not to Extend Beyond Top of Waste
- Final Cover

1. Lift 1 - 2' Sand Drainage Layer
2. Lift 2
3. Lift 3 - 1' of 4" Solid Sch. 80 PVC (Typ.)
4. Lift 4 - 4'' Perf. Sch. 80 PVC, 4' Long (Typ.)
5. Lift 5 - First M.H. Section to be Solid Wall
6. Lift 6 - 4' Dia. Perforated M.H. Sections Filled with Aggregate
7. Lift 7 - 2 - 4'' Sch. 80 PVC Pipe
Seed & Mulch

Drainage Sand Layer ($K > 1 \times 10^{-2} \text{ cm/sec}$)

20 MIL PVC Liner (Embossed)

Type 2 Geotextile

Clean Sand Bedding Layer ($K > 1 \times 10^{-2} \text{ cm/sec}$)

Gravel

Recirculation Unit (High Capacity Infiltrator)

Compacted Solid Waste

Typical Cross-Section - Area D Leach Field
Horizontal Injection Trench Detail

- Remove Intermediate Cover
- Place & Compact Excavated Waste Over Trench to Prevent Short Circuiting of Leachate Via Intermediate Cover
- Intermediate Cover (Typ)
- Existing MSW
- Del Dot No. 2 Stone
- 6" Perforated HDPE Pipe
- 3'
- 6'
- 2'
- 12"
Area C
Area D
Area E

PHASE 2 LEGEND

- Top Level Trenches
- Second Level Trenches
- Third Level Trenches
- Header and Distribution Piping
- Dist. Piping/Trench Connection
- Initial Contours Prior to Filling
- Final Grade Contours

Leachate Recirculation/Gas Collection Trench Plan
PHASE 8 LEGEND

- Top Level Trenches
- Second Level Trenches
- Third Level Trenches
- Header and Distribution Piping
- Dist. Piping/Trench Connection
- Initial Contours Prior to Filling
- Final Grade Contours

Leachate Recirculation/Gas Collection Trench Plan

Area C
Area D
Area E