Appendix D
Site Inspection Photographs

OII Landfill Superfund Site -Photos (April 28th, 2005)

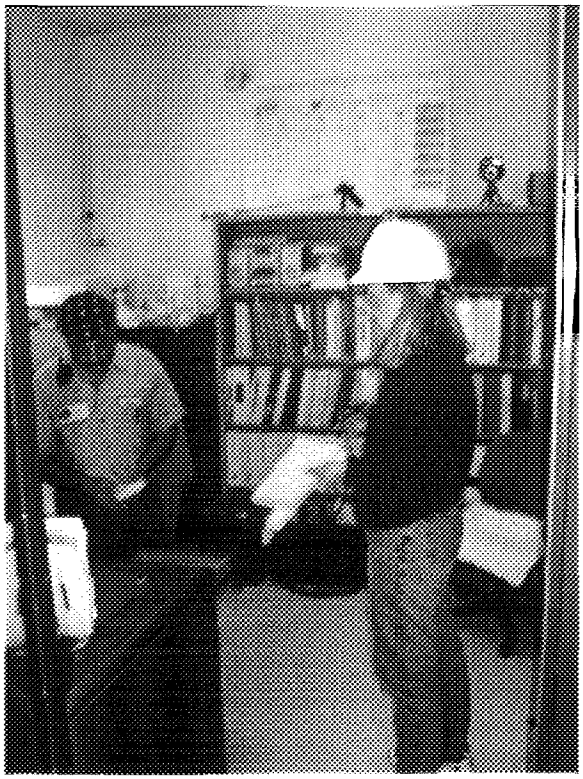

Photo 1 – Inspection of the on-site analytical laboratory office.

Photo 2 – Certified lab facility on-site for in-house analysis (pH, TSS, COD, Sulfite) for discharge pretreatment parameters.

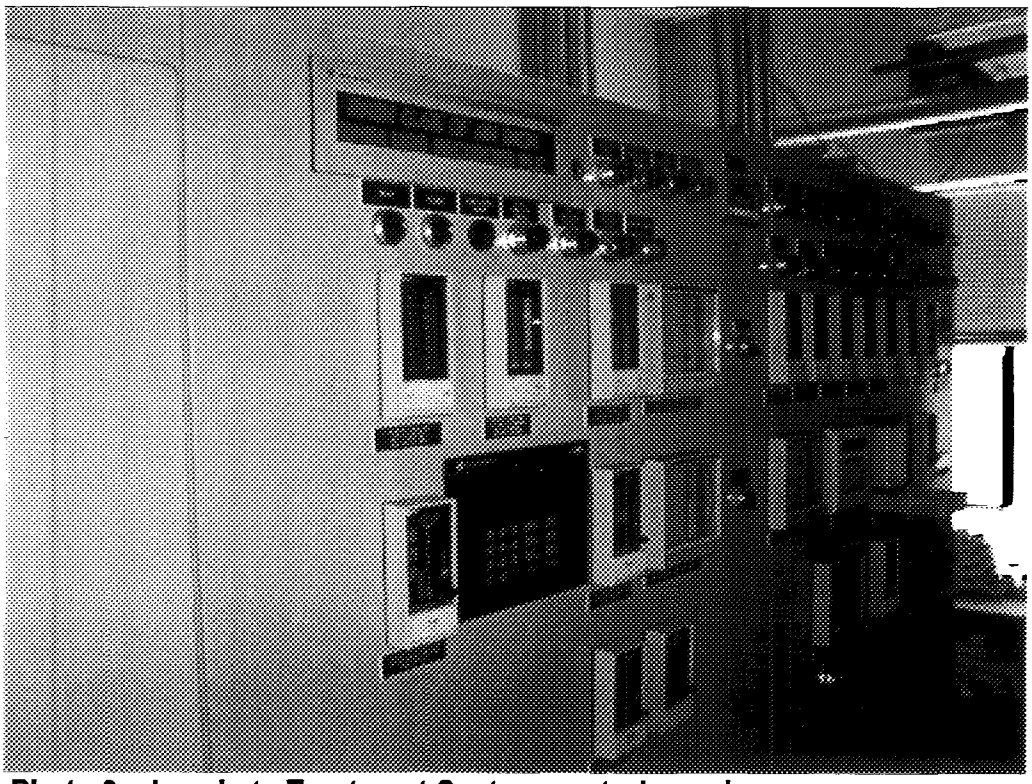

Photo 3 – Leachate Treatment System control panel.

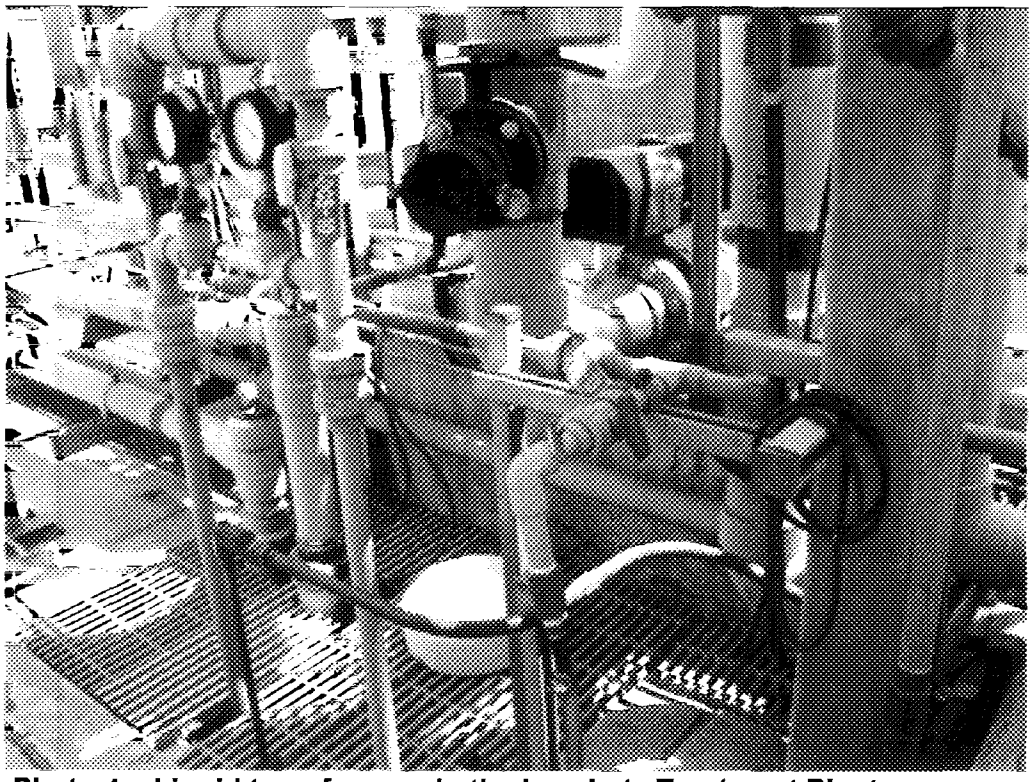

Photo 4 – Liquid transfer area in the Leachate Treatment Plant.

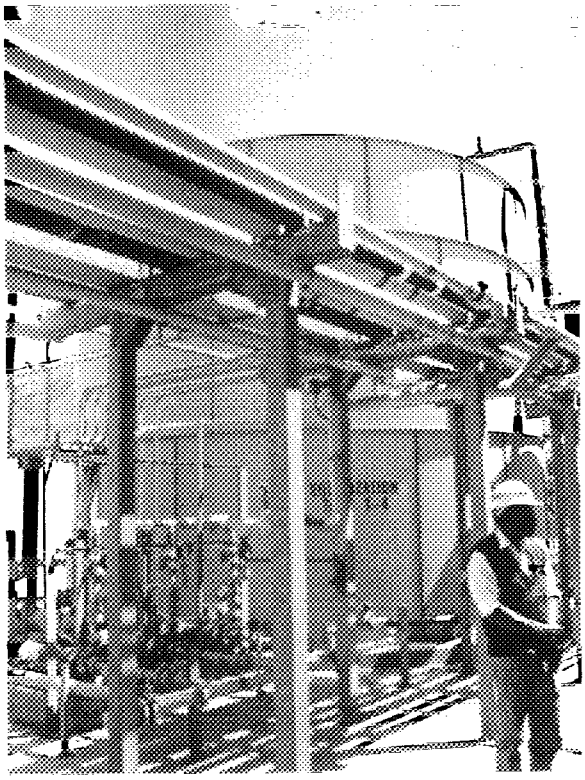

Photo 5 – Equalization tank T-4.

Photo 6 – Sequence Batch Reactors-samples are taken from these and tested before the batch can be released to the sanitary sewer.

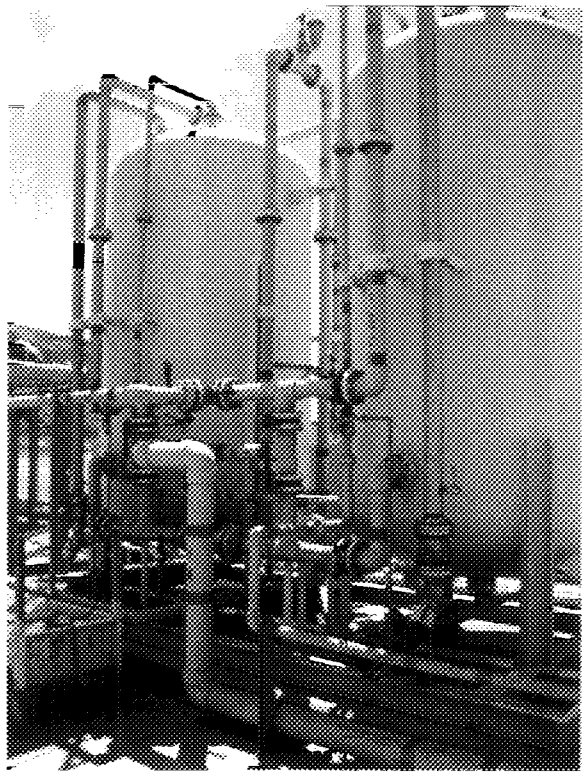

Photo 7 – Granular activated carbon filters for Leachate treatment, used if pesticides are detected from the Sequence Batch Reactor samples.

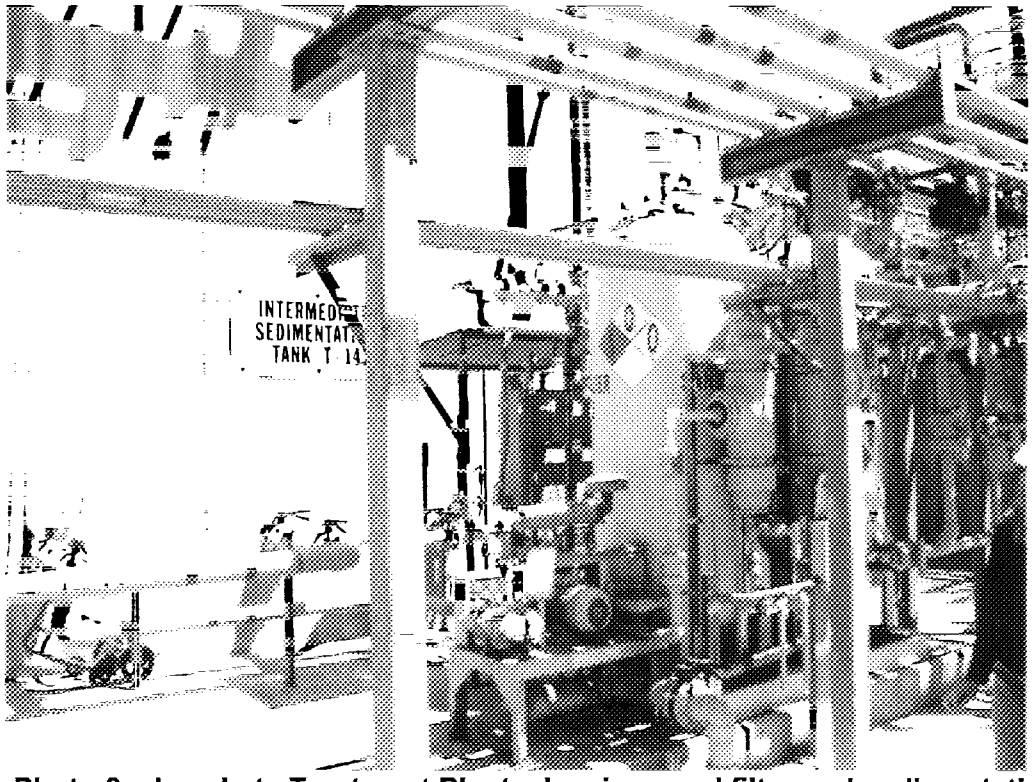

Photo 8 – Leachate Treatment Plant, showing sand filter and sedimentation tank.

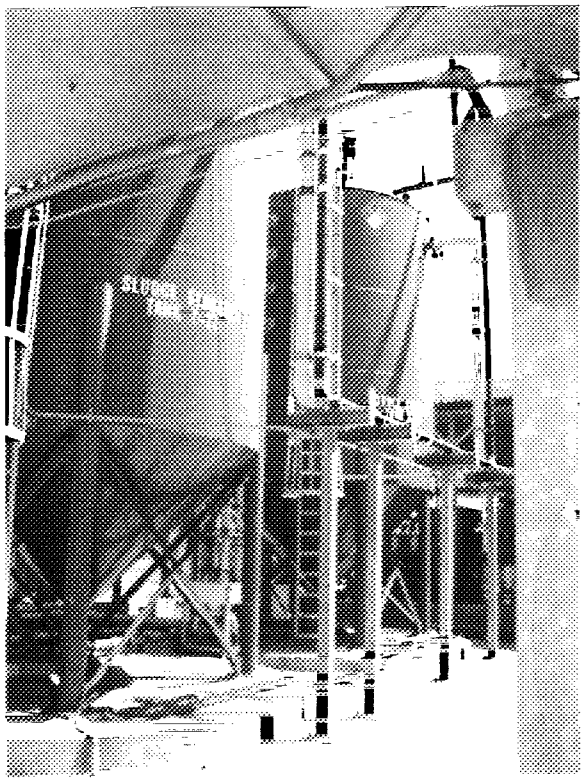

Photo 9 Sludge storage tanks.

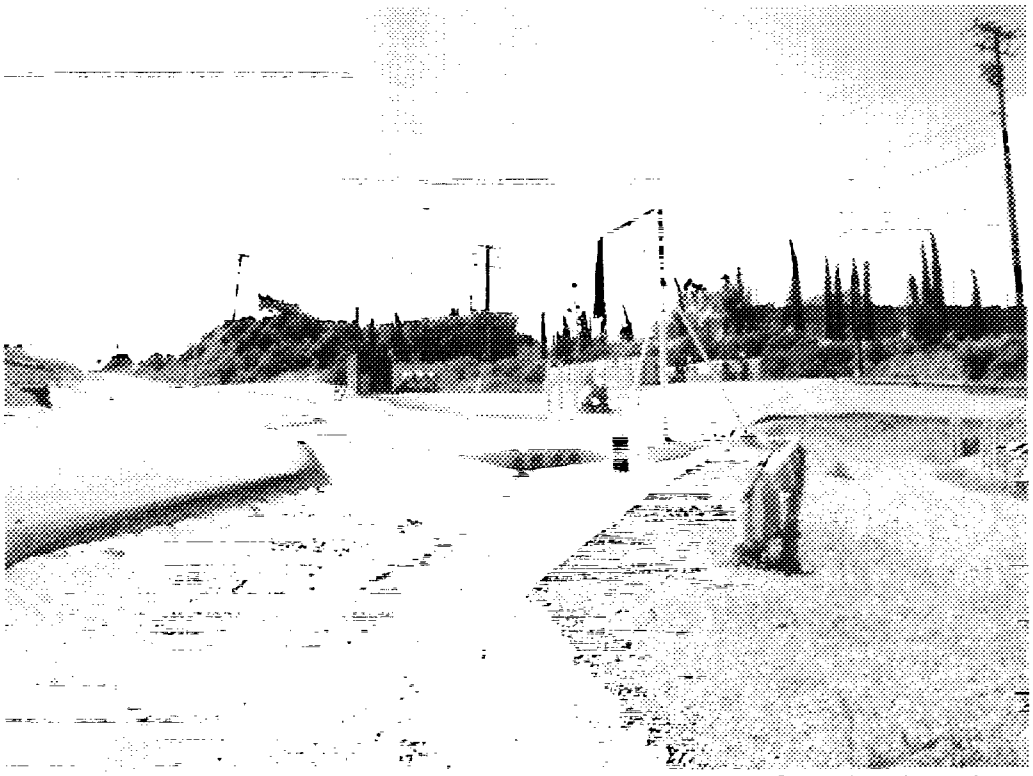

Photo 10 – Washpad for cleaning (water drains to Leachate treatment system).

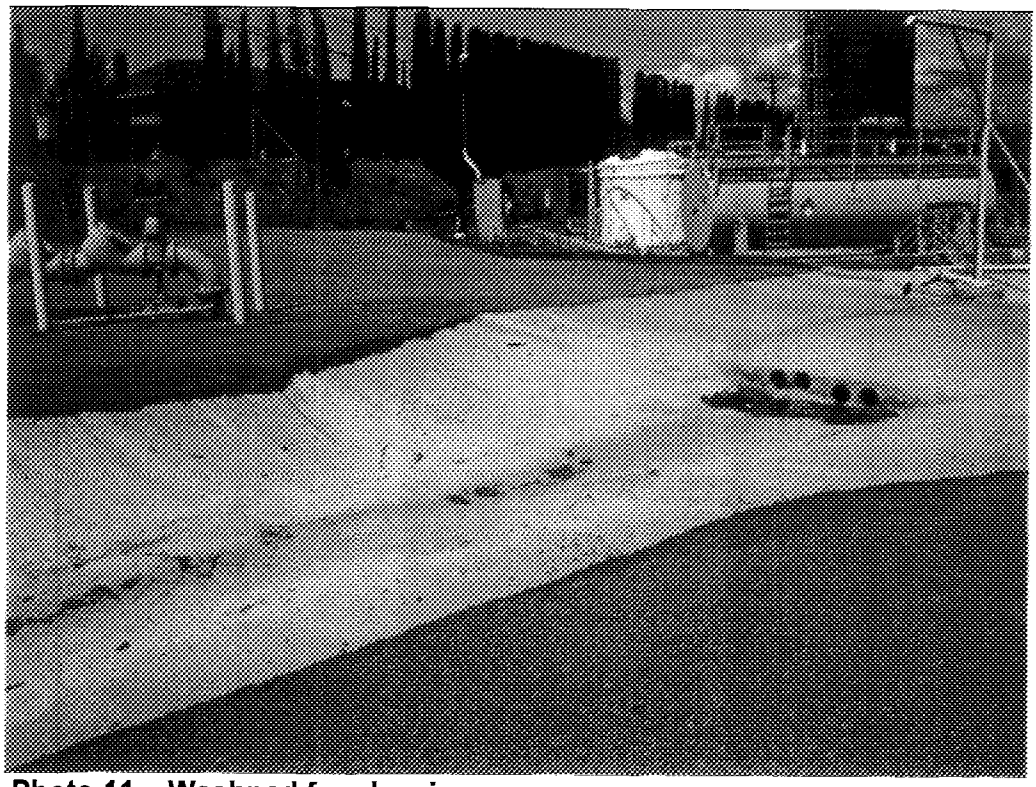

Photo 11 – Washpad for cleaning

Photo 12 – Sludge storage tank (near washpad).

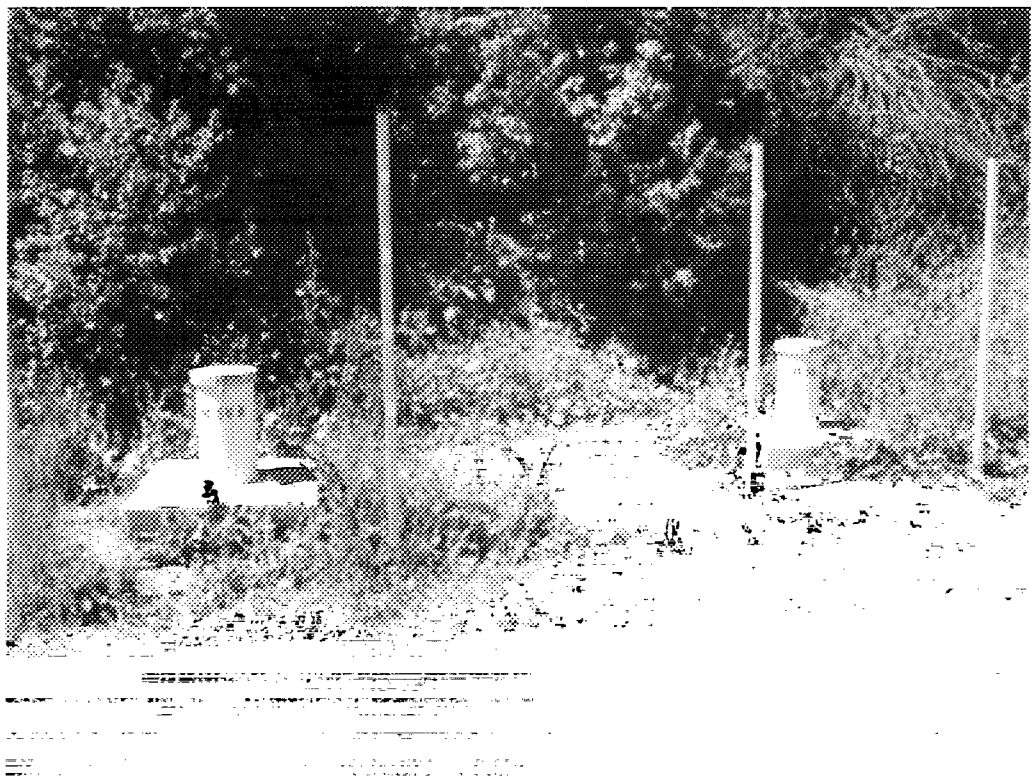

Photo 13 – On-site monitoring well

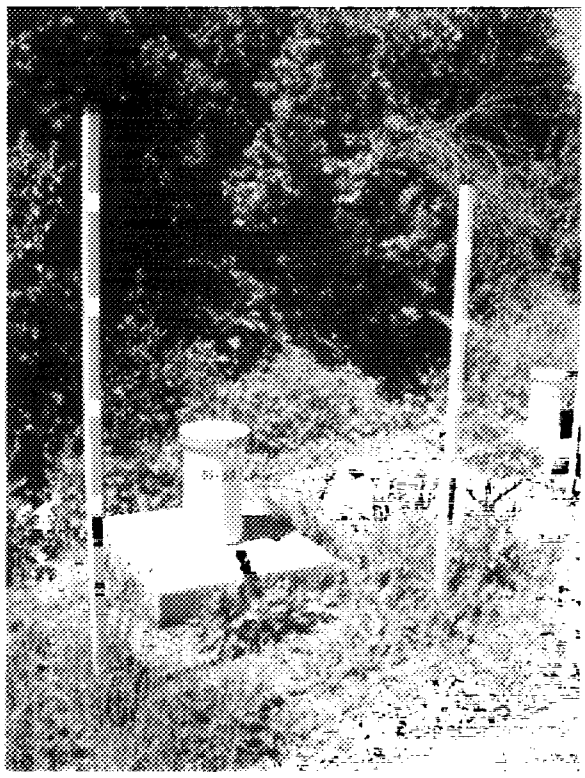

Photo 14 – On-site monitoring well

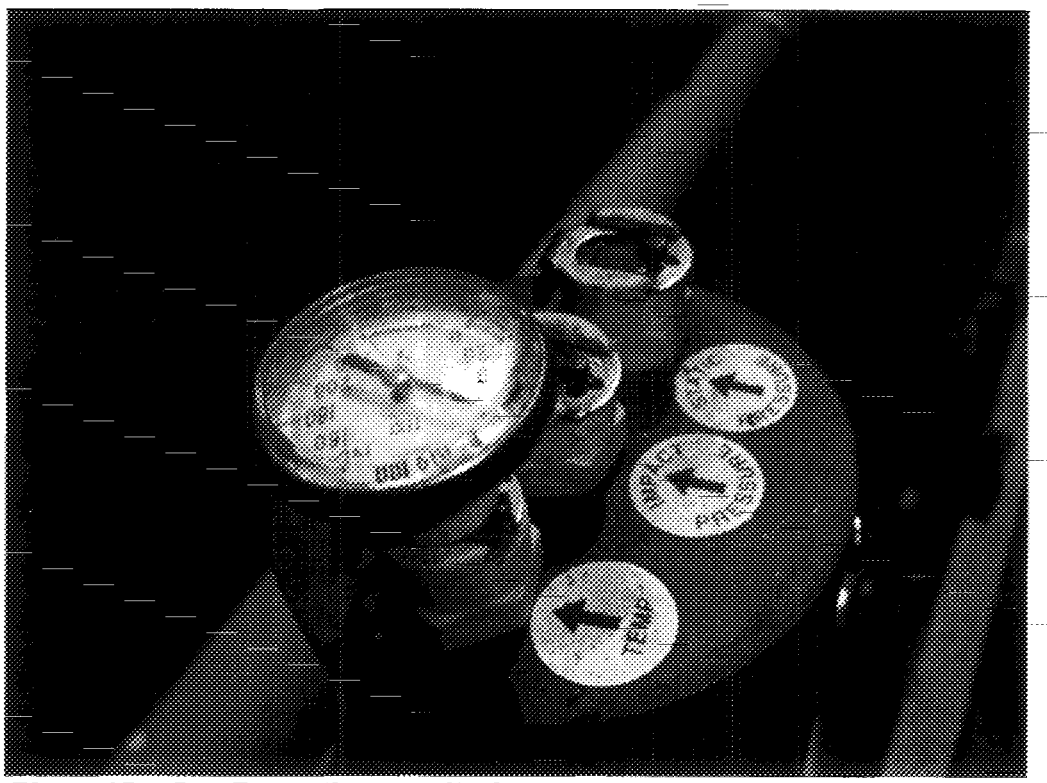

Photo 15 – Gas Extraction monitoring equipment.

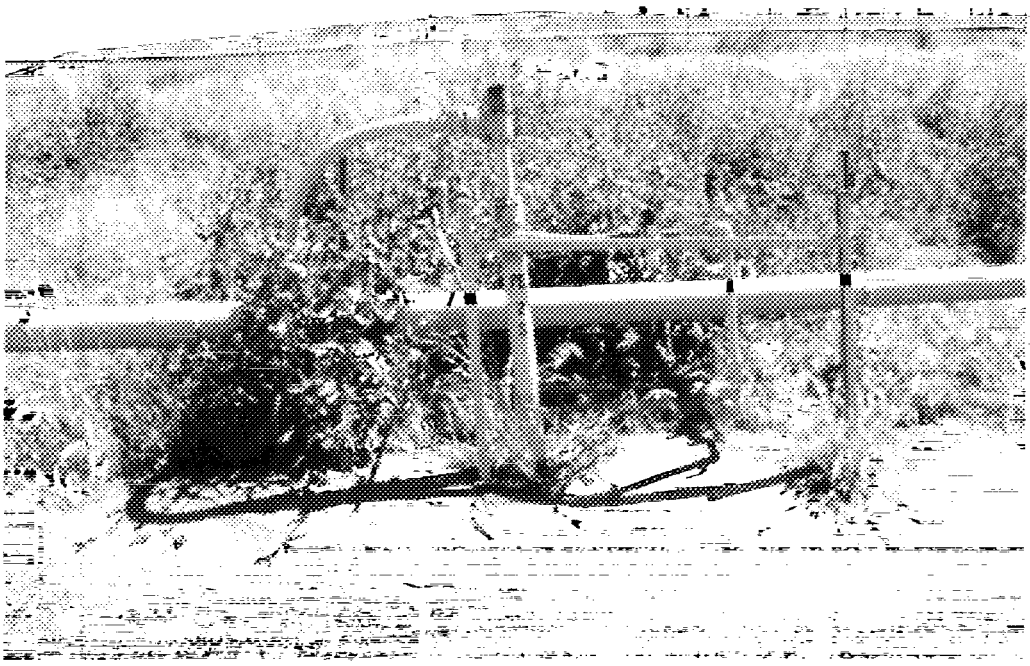

Photo 16 – Gas extraction monitoring well.

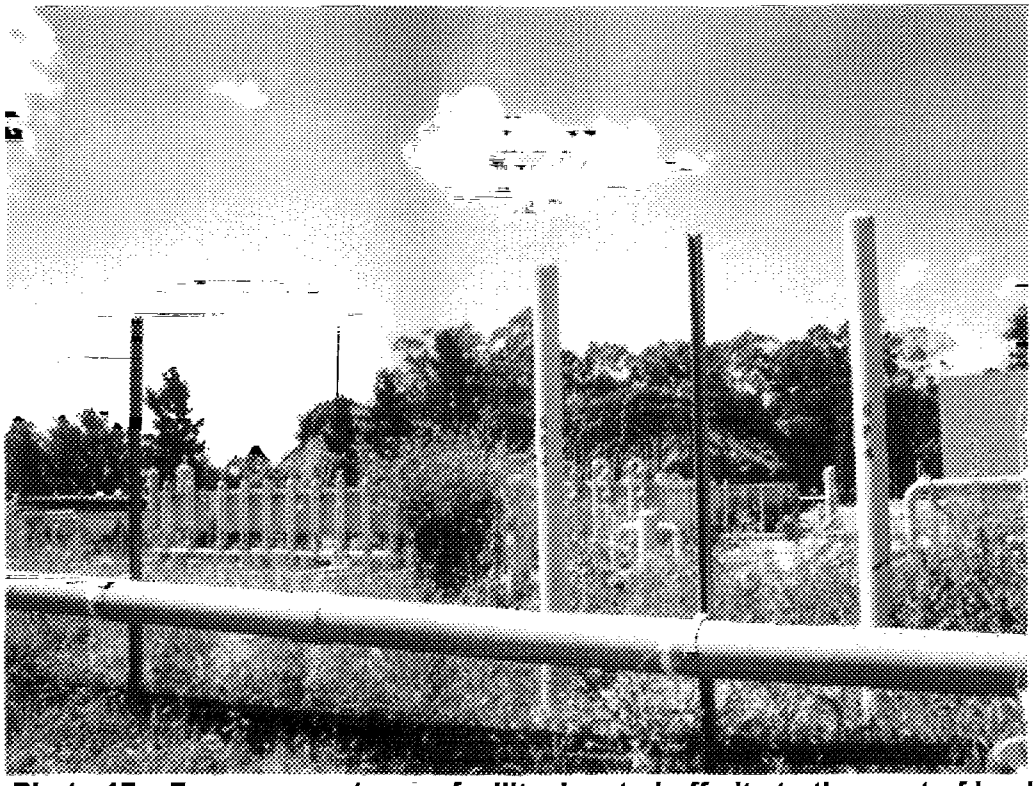

Photo 17 – Former gas storage facility, located off-site to the west of landfill.

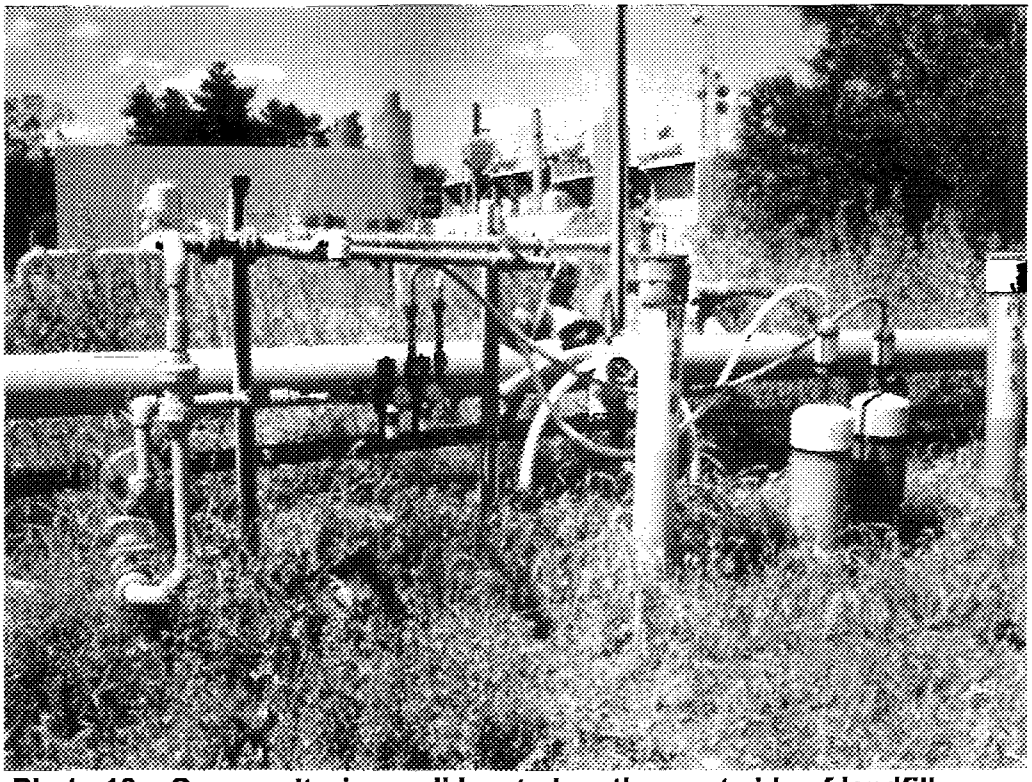

Photo 18 – Gas monitoring well located on the west side of landfill.

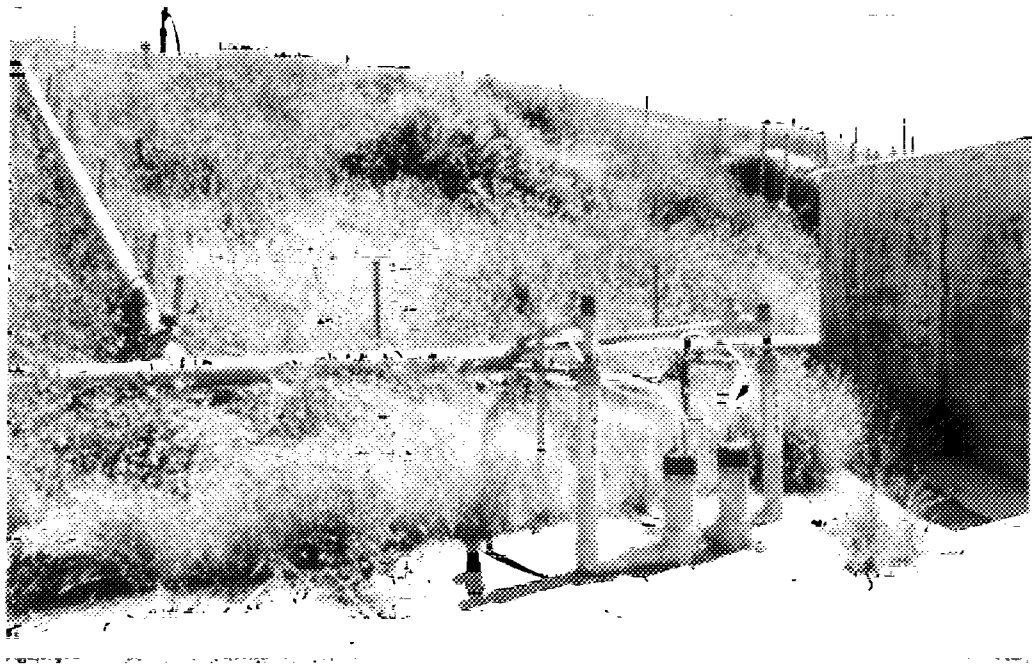

Photo 19 – Gas monitoring wells and Leachate monitoring well

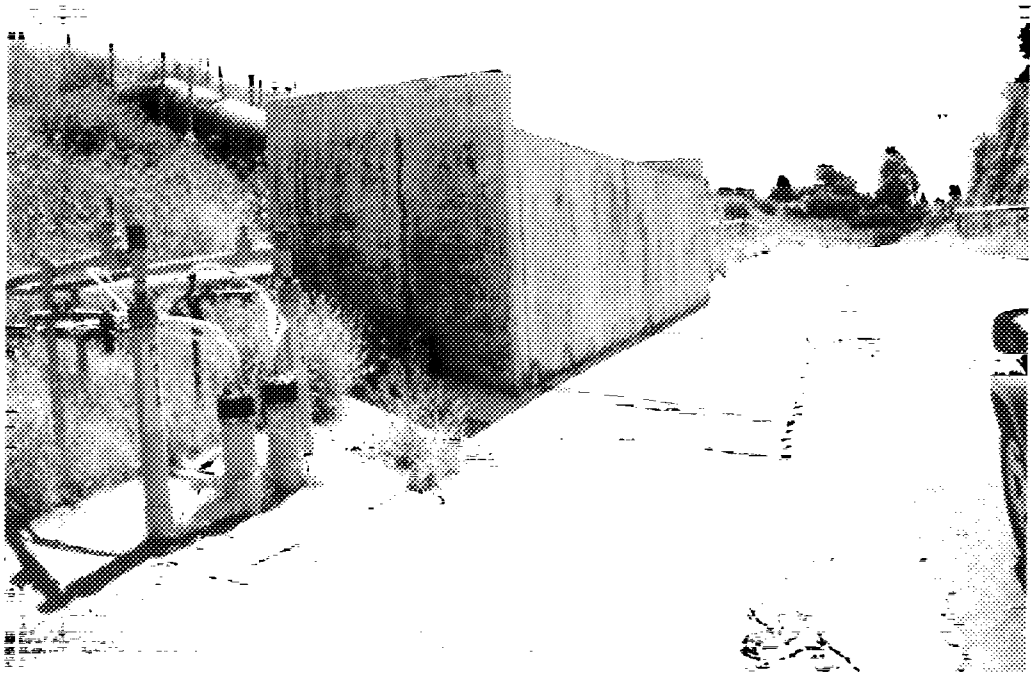

Photo 20 – Stormwater baffle (slows down water during heavy rains).

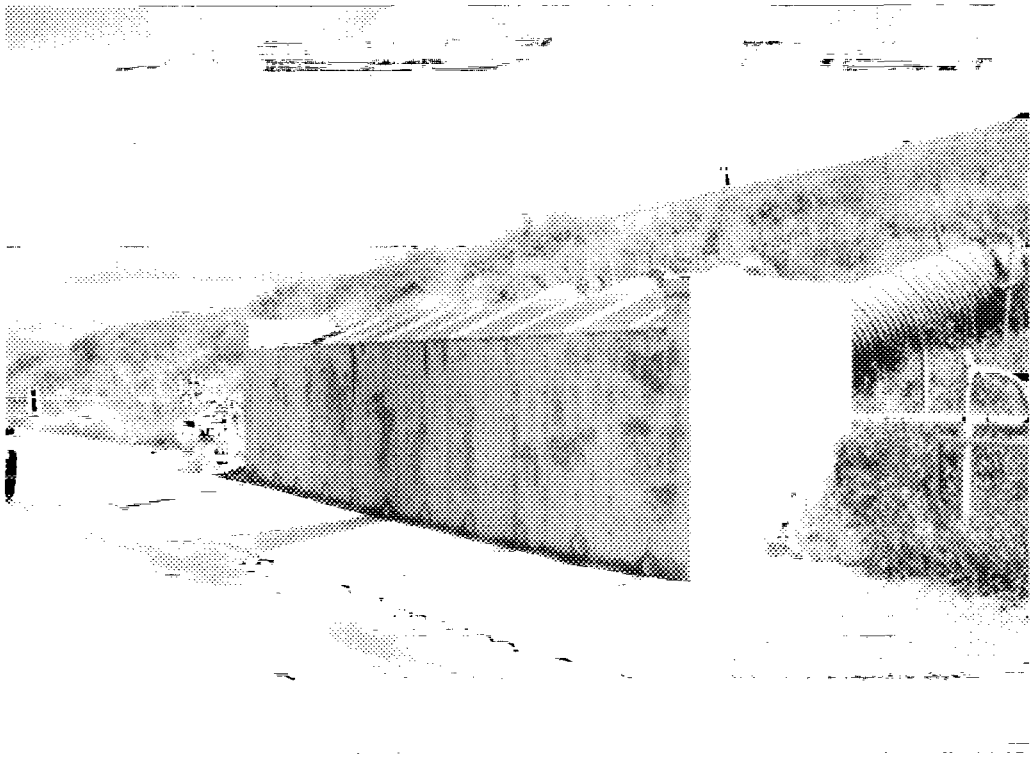

Photo 21 – Stormwater baffle

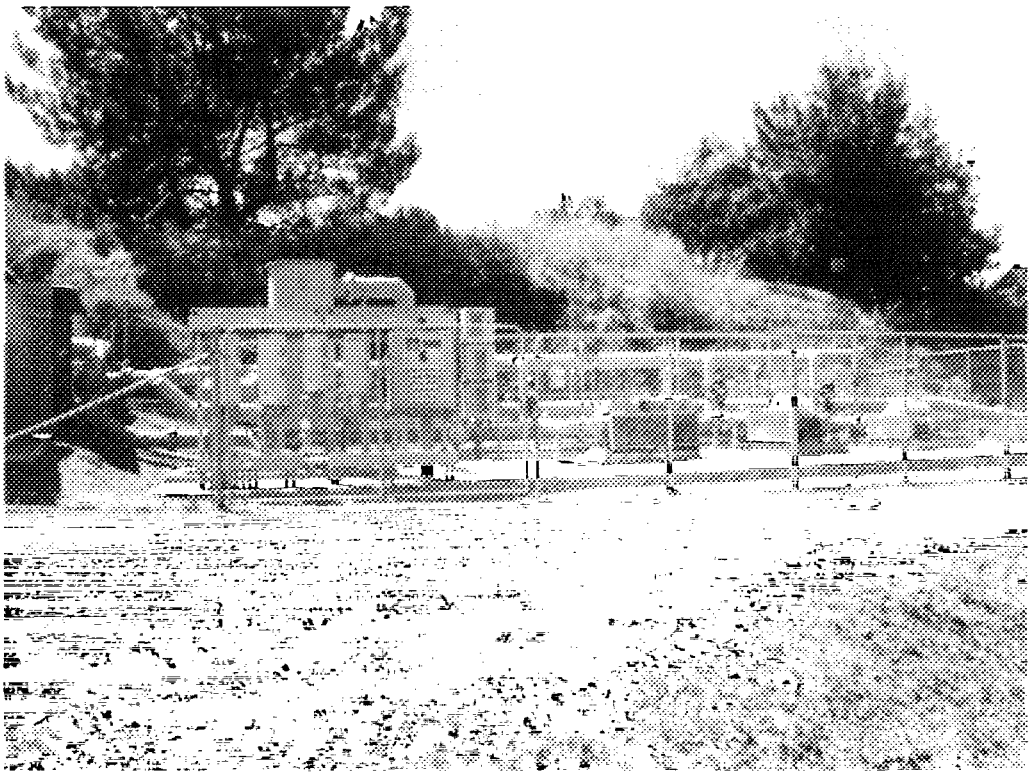

Photo 22 – Booster station for Leachate conveyance.

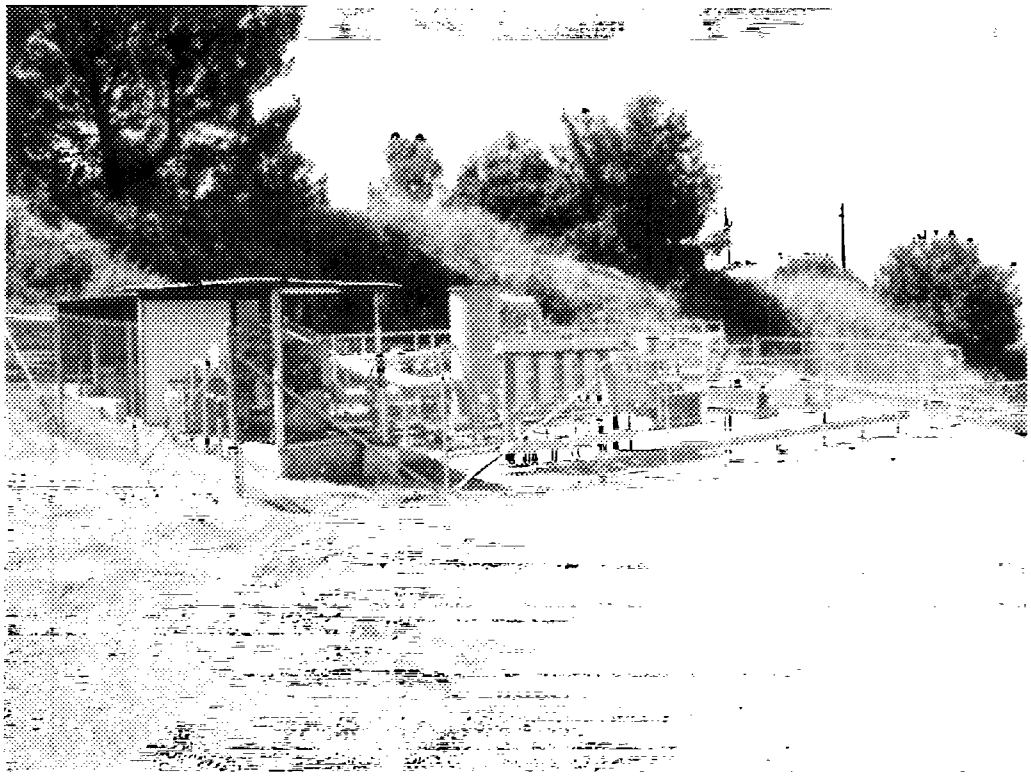

Photo 23 – Booster station

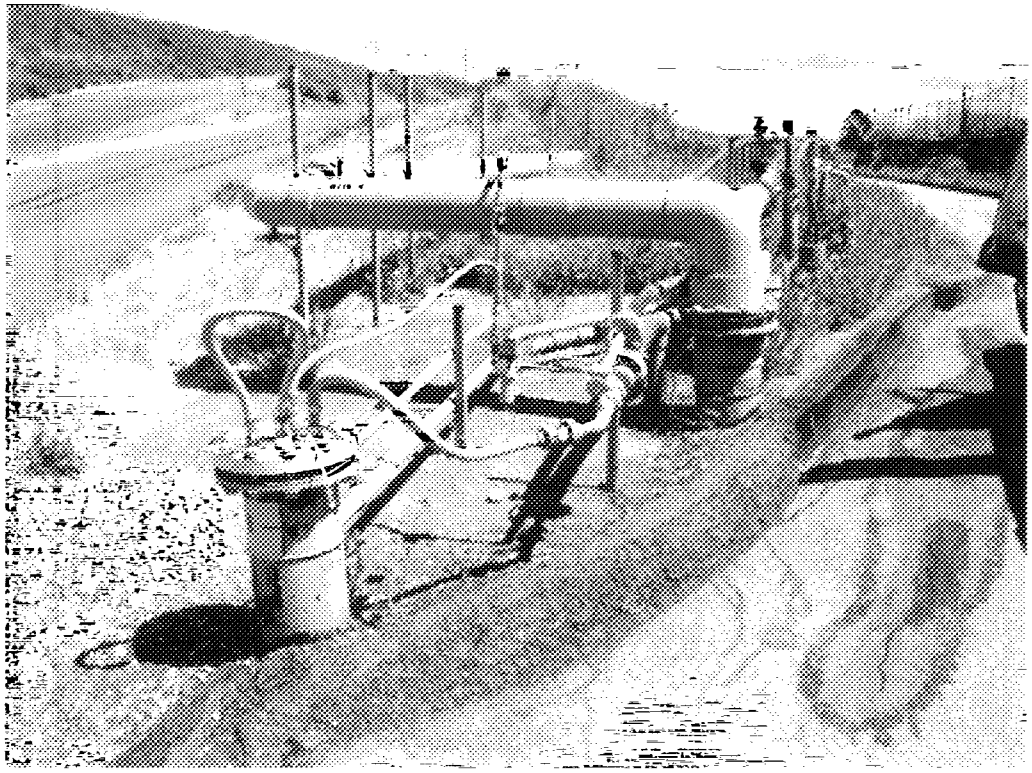

Photo 24 – Gas and leachate conveyance piping, small lines for gas, large for leachate, sump in foreground.

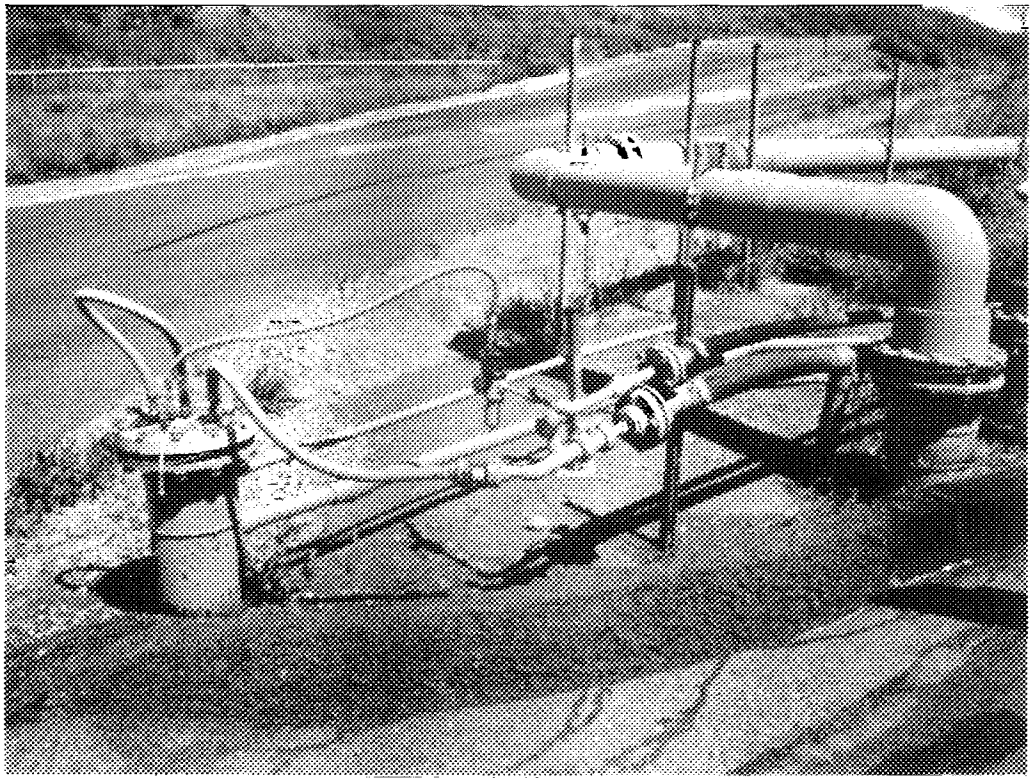

Photo 25 – Gas and leachate conveyance piping.

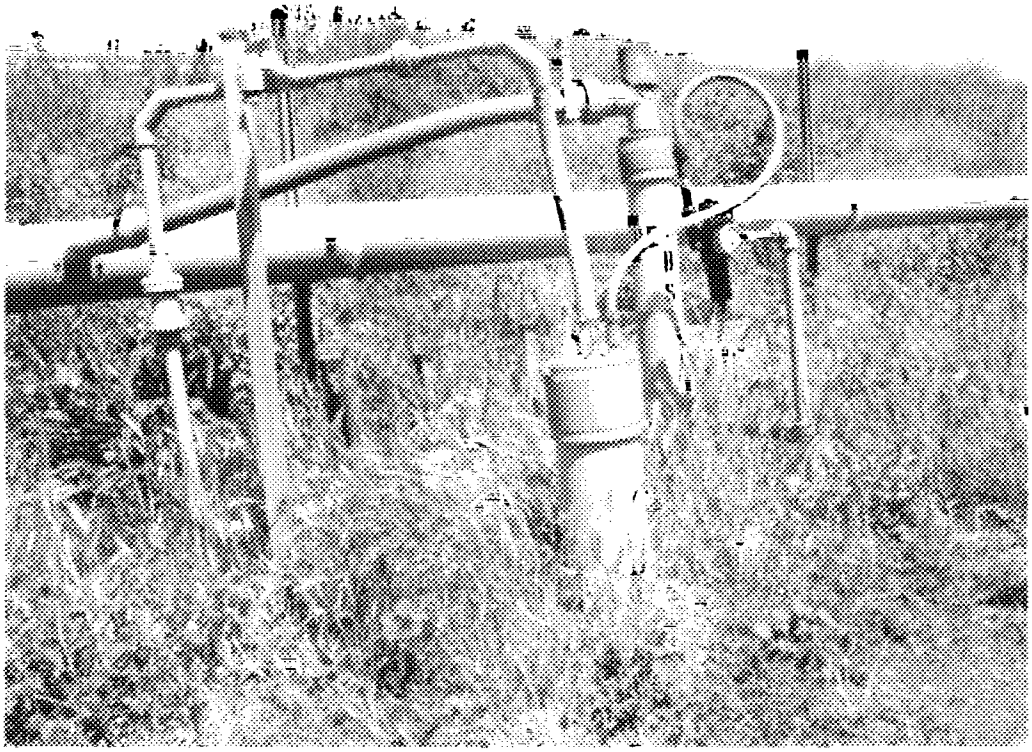

Photo 26 – Side by side gas and leachate collection.

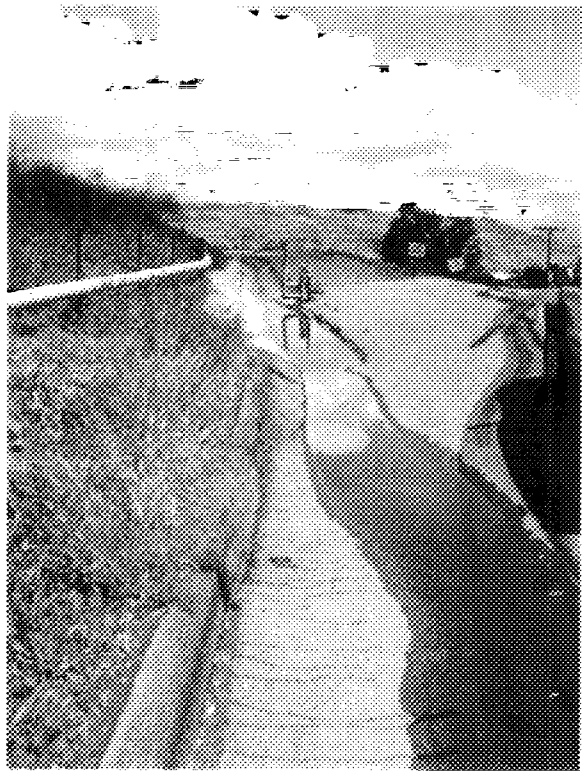

Photo 27 – Storm water ponding in v-drainage along landfill bench access road.

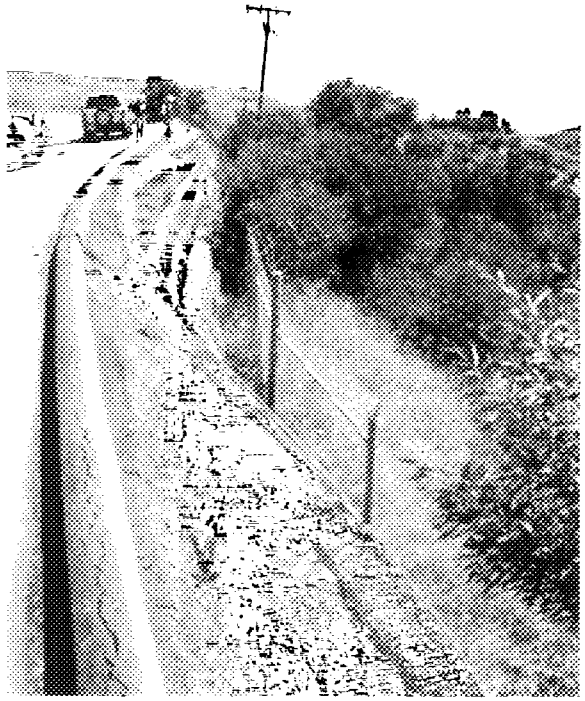

Photo 28 – Toe buttress along Iguala Street (southeast side).

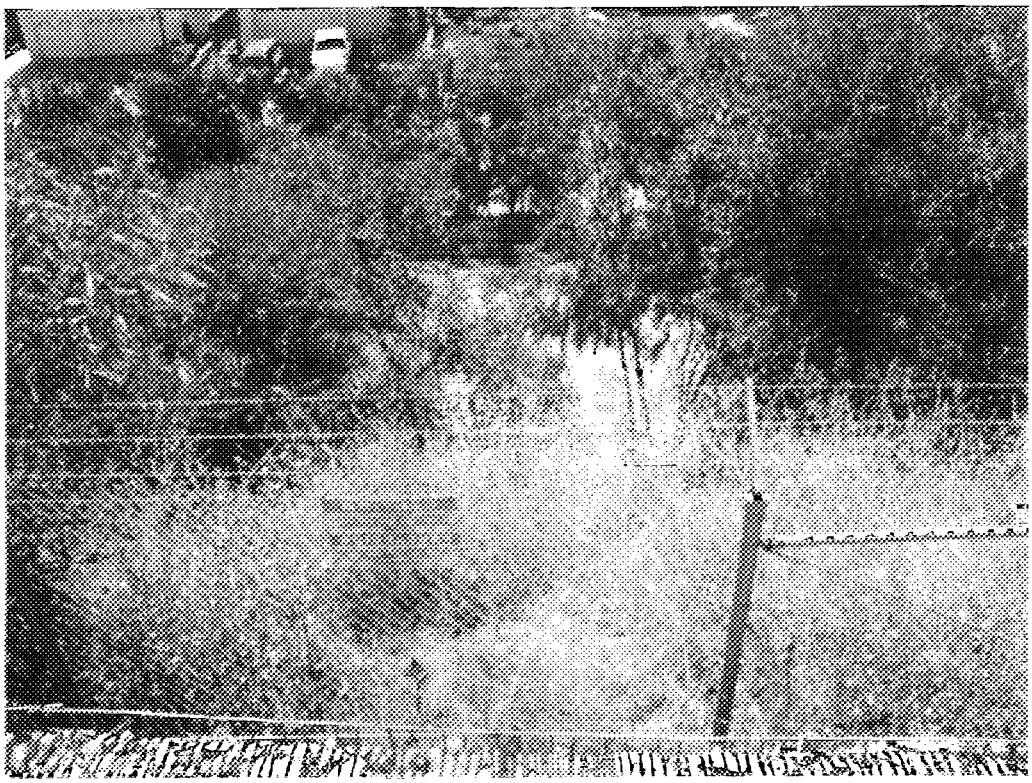

Photo 29 - View from landfill down onto Iguala Street from the toe buttress.

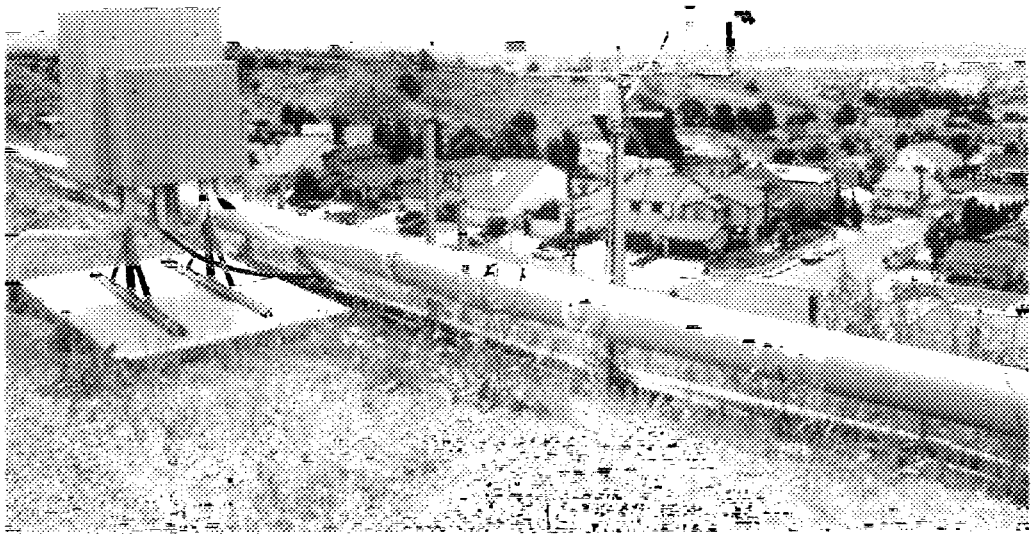

Photo 30 – Meteorological station located on east side of landfill.

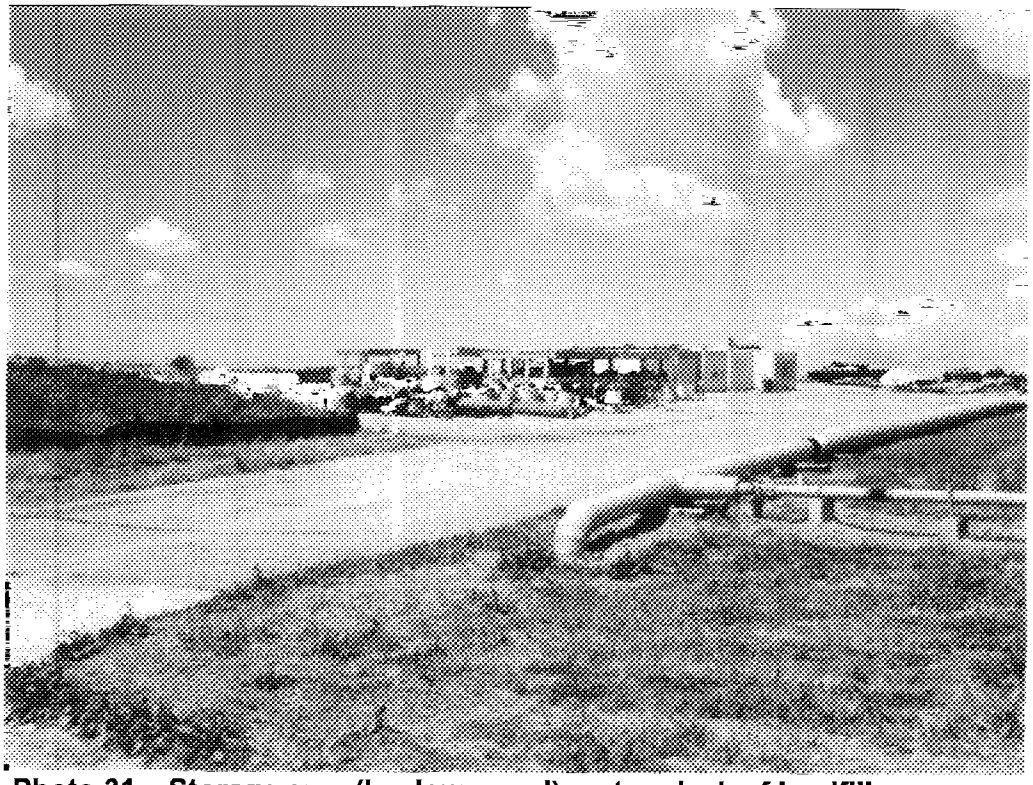

Photo 31 – Storage area (laydown yard) on top deck of landfill.

Photo 32 – View of North Parcel taken from top deck of South Parcel, looking northeast.

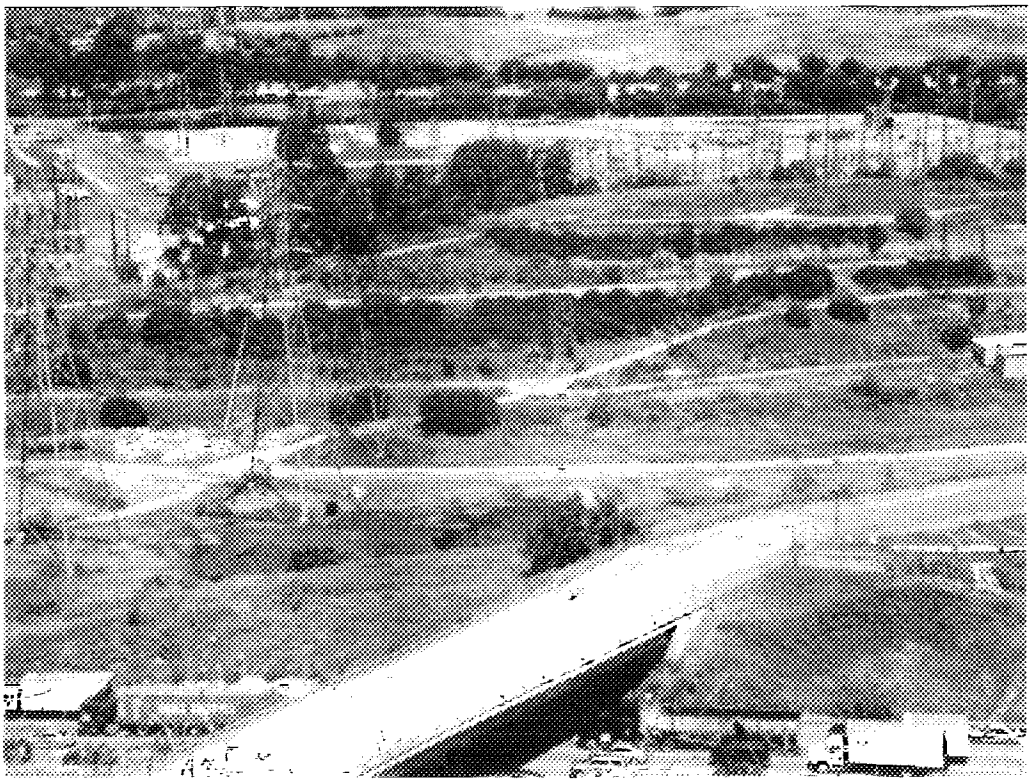

Photo 33 – View of area west of North Parcel taken from top deck of South Parcel, looking north.

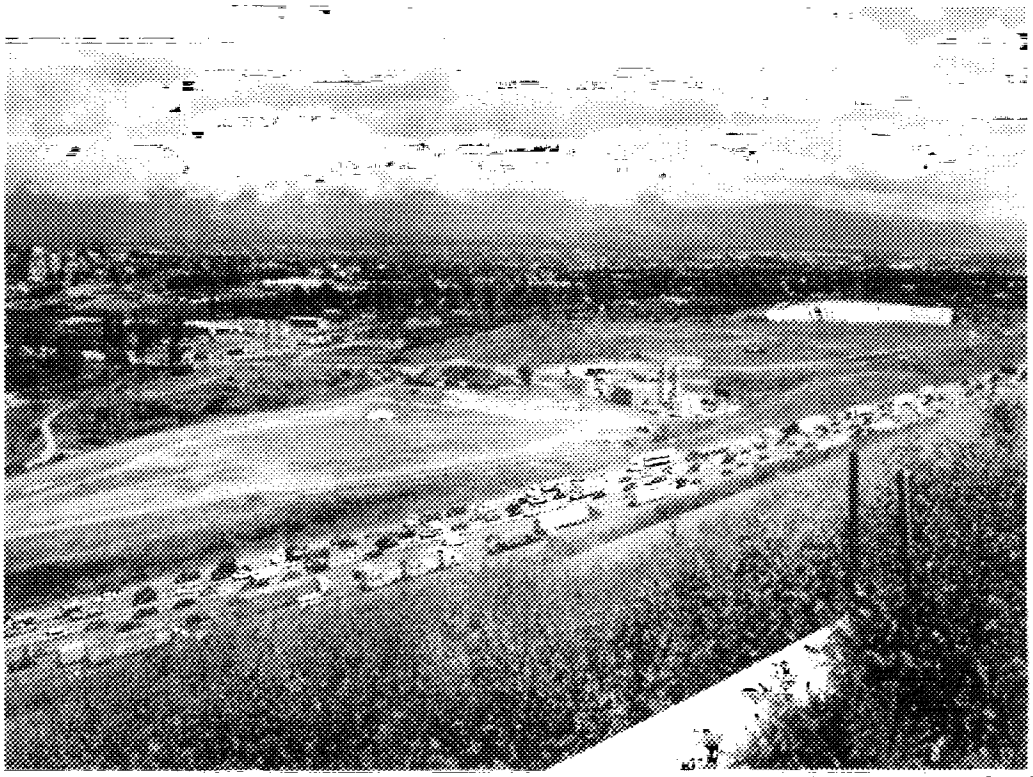

Photo 34 – View of eastern portion of North Parcel taken from top deck of South Parcel, looking northeast.

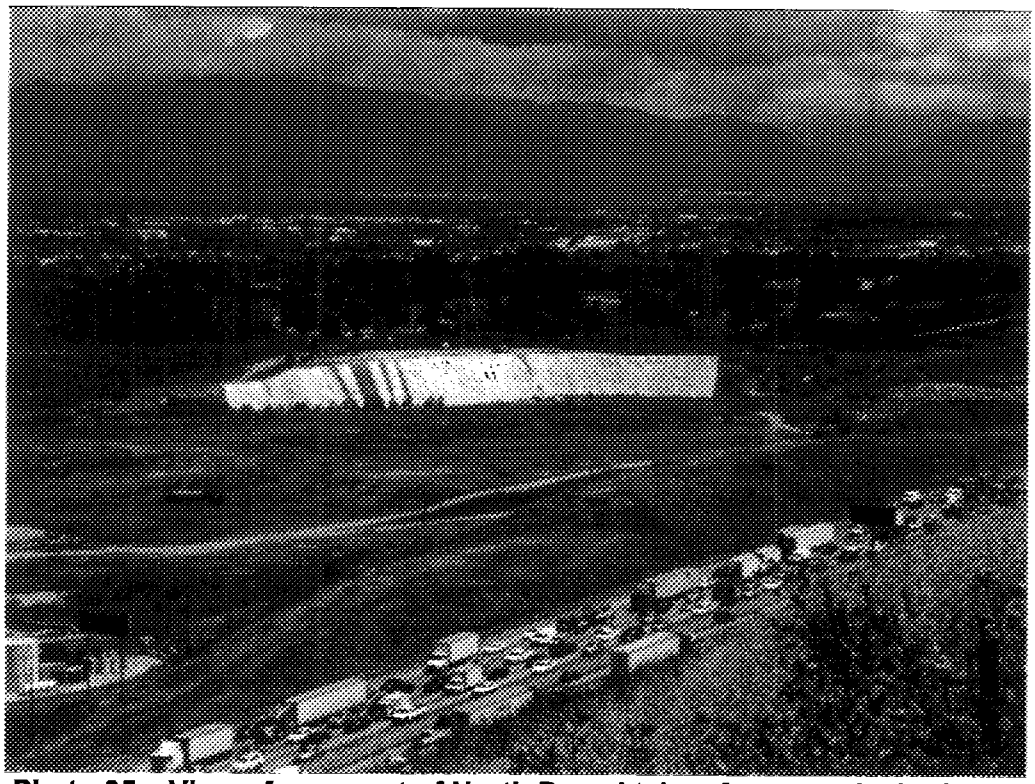

Photo 35 – View of area east of North Parcel taken from top deck of South Parcel, looking northeast.

Photo 36 – Leachate and Landfill Gas Treatment plants located on North Parcel

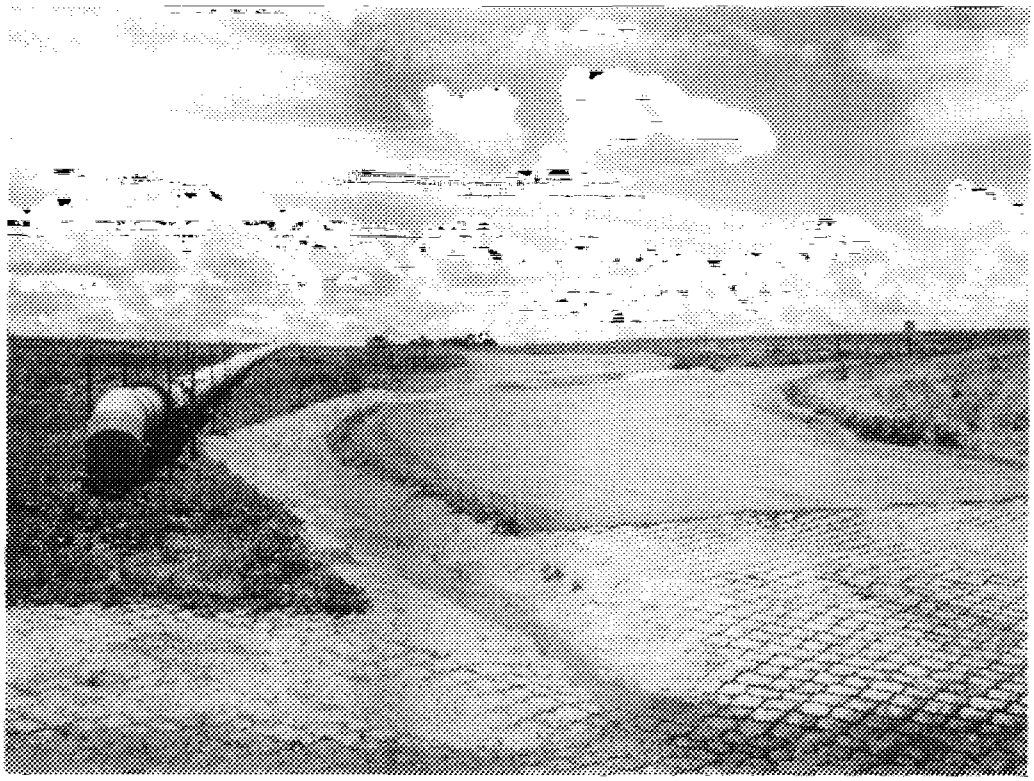

Photo 37 – Typical landfill access road (top deck of South Parcel landfill).

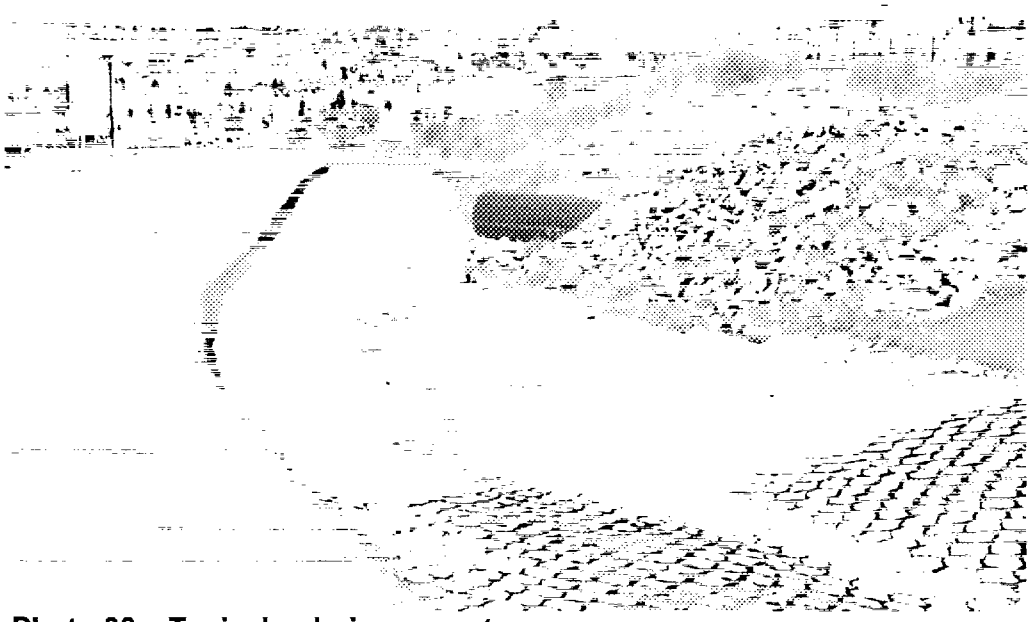

Photo 38 – Typical v-drainage system.

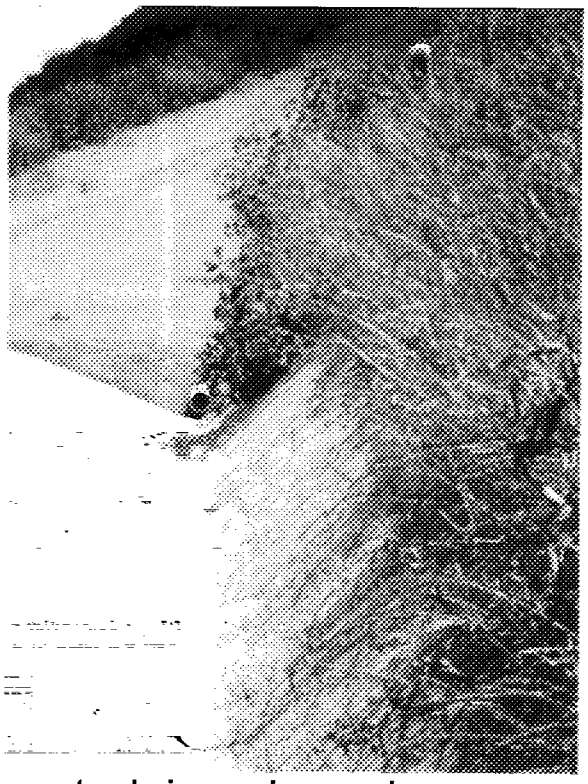

Photo 39 – Storm water drainage pipe, used on narrow access road.

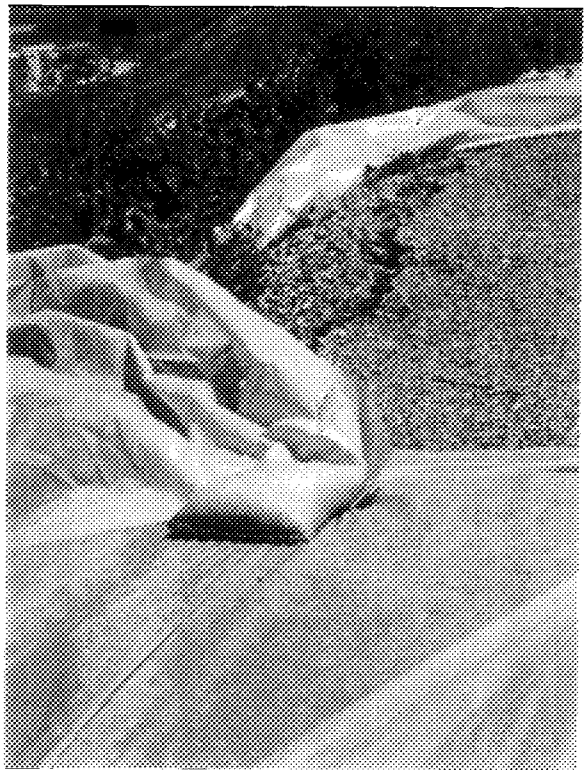

Photo 40 – Cracking and slumping evident on north side of South Parcel access road.

Photo 41 – Cracking and slumping evident on north side of South Parcel access road.

Photo 42 – View of downtown Los Angeles from South Parcel top deck, looking west.

Photo 43 – Evidence of ponded water in v-drainage ditch. Maintenance upgrades underway.

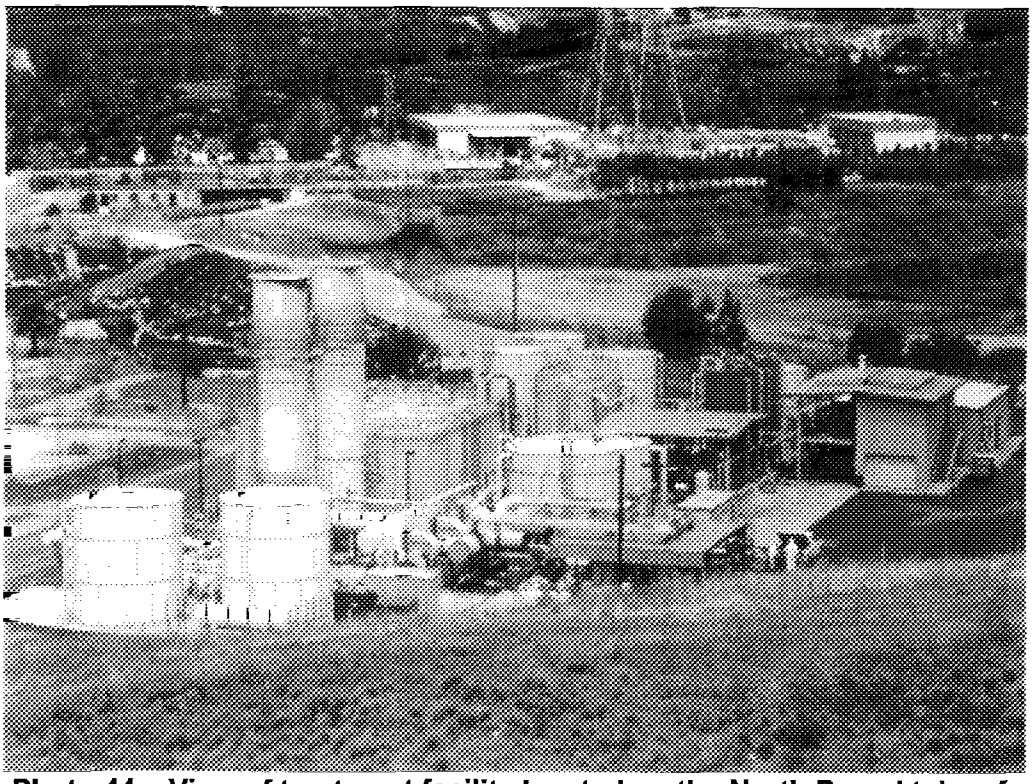

Photo 44 – View of treatment facility located on the North Parcel taken from bench access road on South Parcel.

Photo 45 – Evidence of slope instability, north slope of the South Parcel.

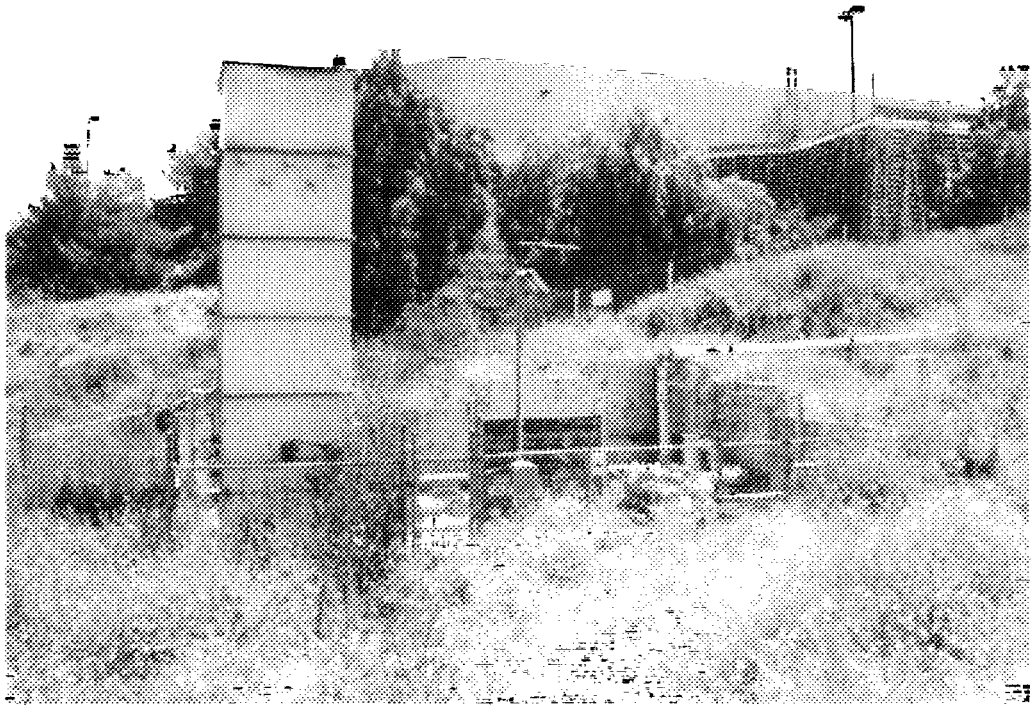

Photo 46 – Former landfill gas destruction facility. No longer in service.

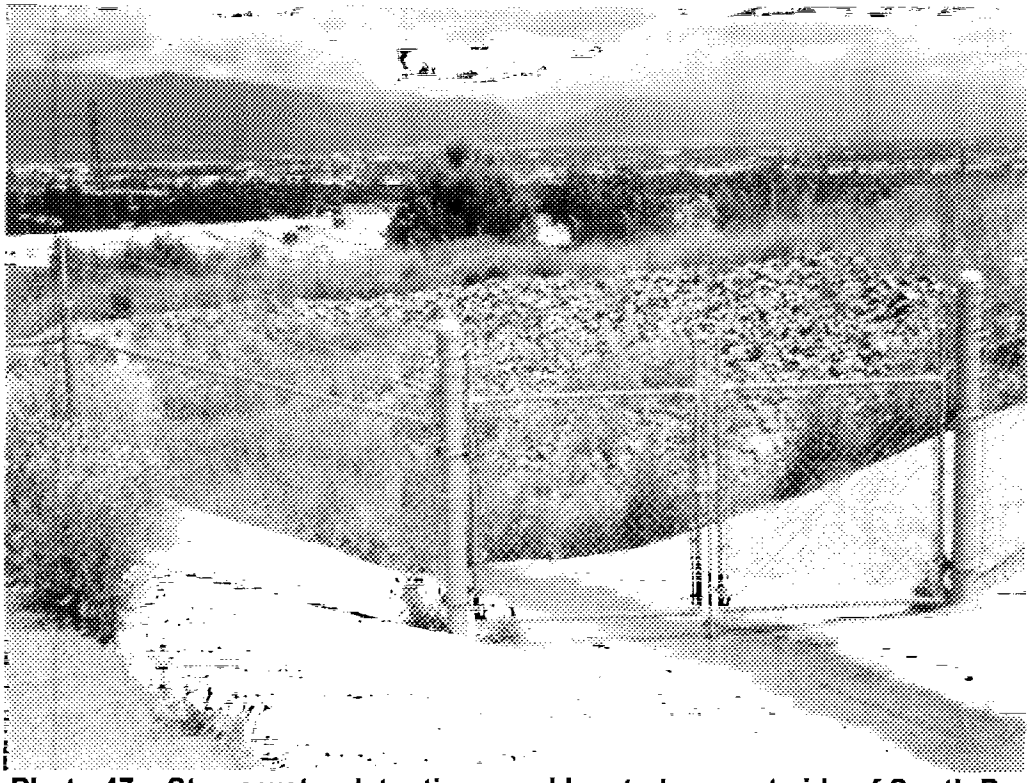

Photo 47 – Storm water detention pond located on east side of South Parcel.

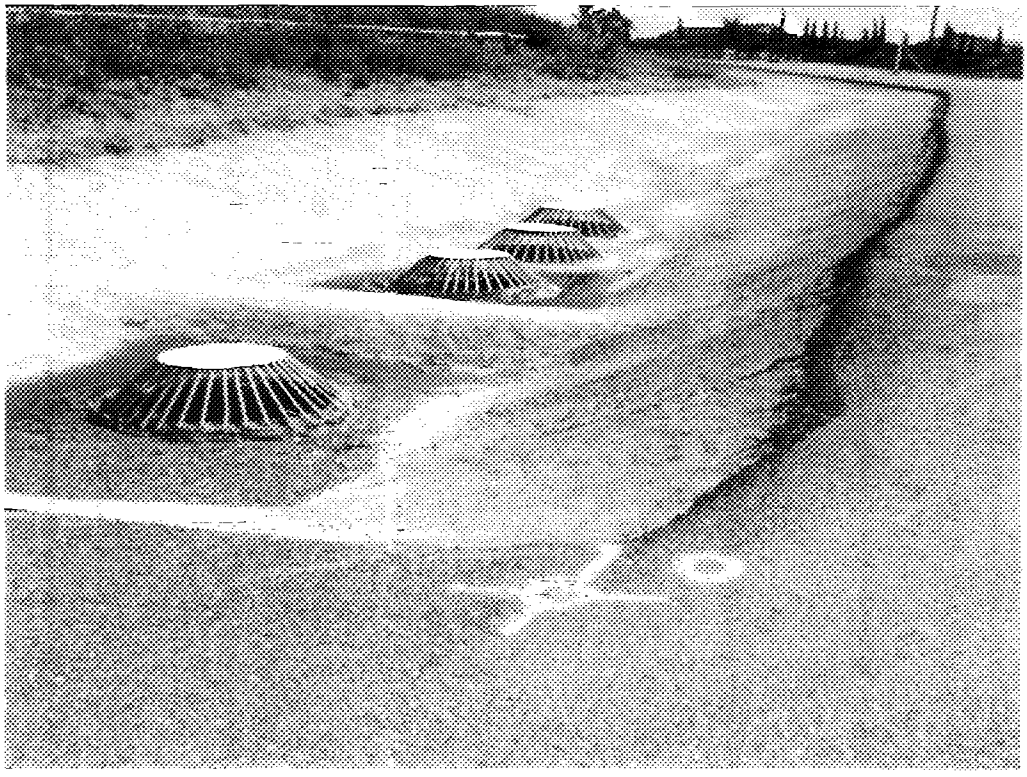

Photo 48 – Survey point in asphalt along a landfill access road.

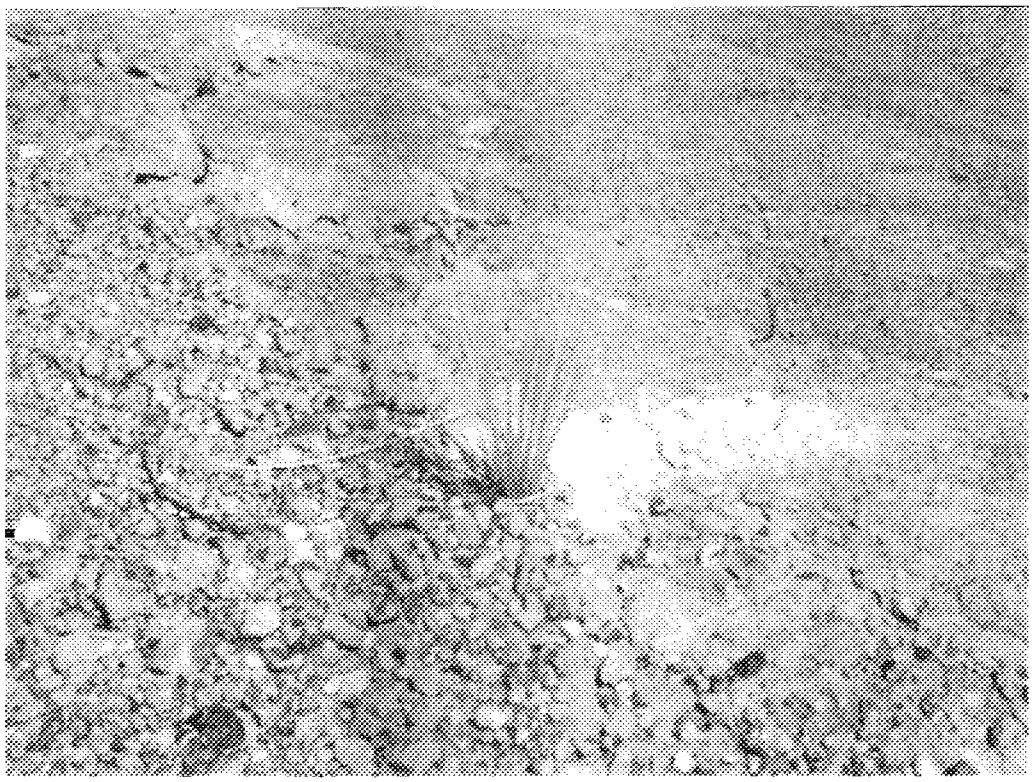

Photo 49 – Survey feather.

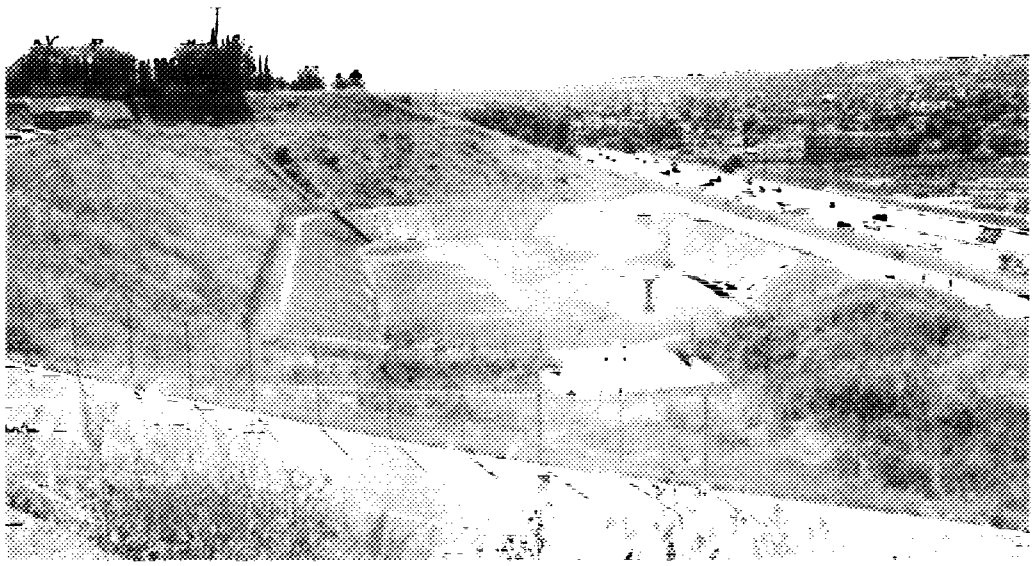

Photo 50 – Storm water detention pond located at northwest corner of South Parcel.

Photo 51 – Closeup of stormwater detention pond.

Photo 52 – Landfill gas treatment plant, thermal oxidizer stacks. Located on North Parcel.

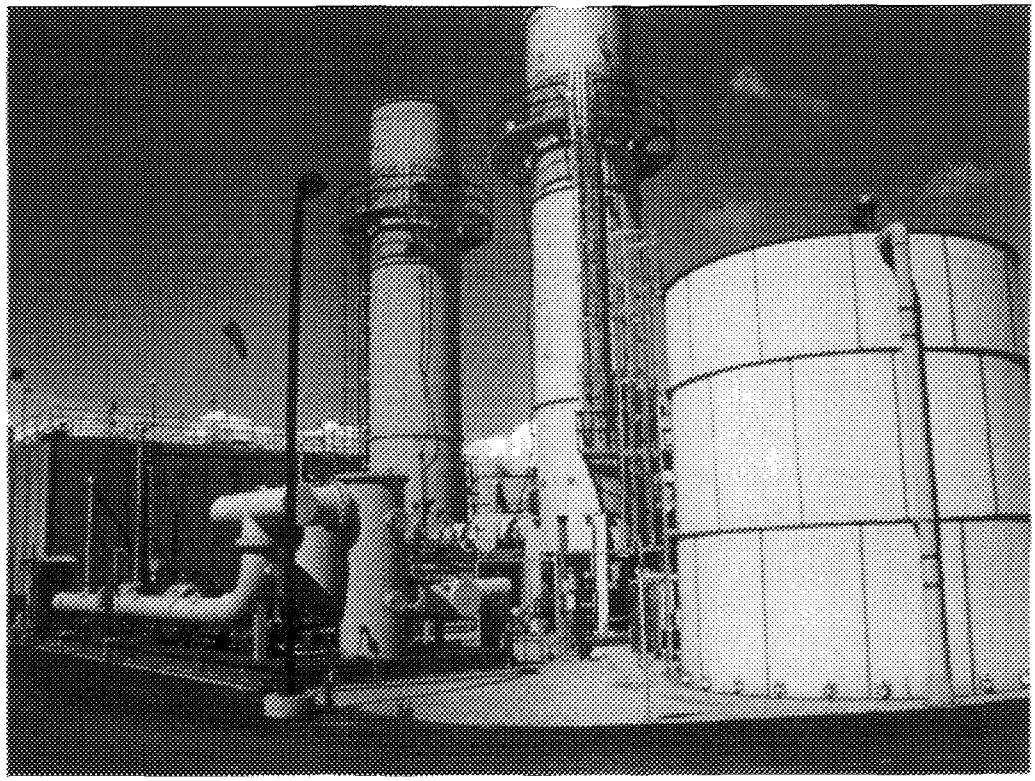

Photo 53 – Landfill gas treatment plant.

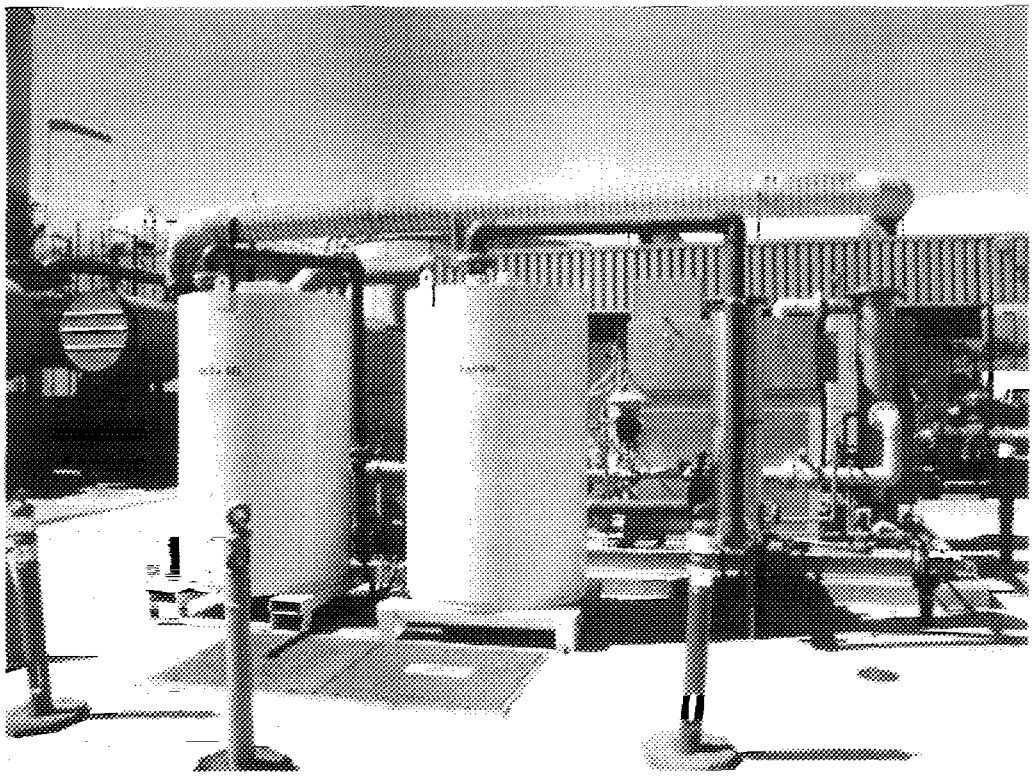

Photo 54 – Carbon and silicon gel treatment for methane gas before it enters microturbine units used for electricity generation.

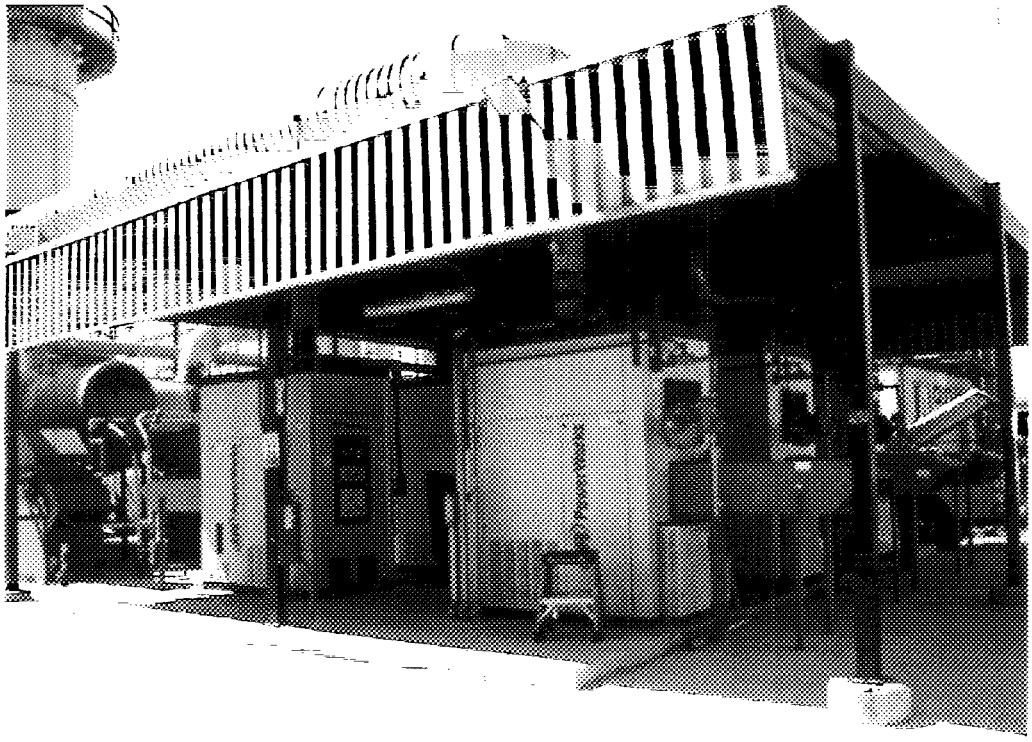

Photo 55 – Ingersol Rand Microturbine Units (methane gas from landfill gas used to generate up to 2/3rds of electricity to run landfill operations). Located on North Parcel.

Photo 56 – View of South Parcel landfill looking south from North Parcel.

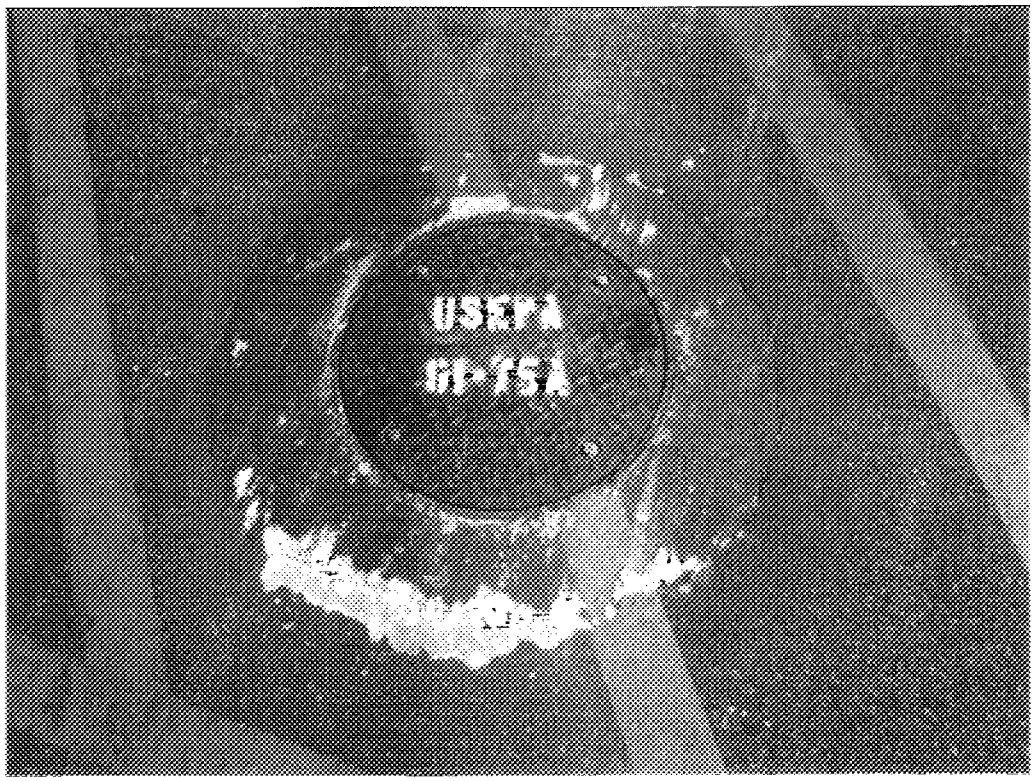

Photo 57 – Off-site well located in the Costco parking lot to the east of the South Parcel landfill.