

HARRISON SUB-RESIDENCY FIELD INSPECTION

Name of Inspector: Chris Kappeller and Val Basil

Date: 10/30/07

Every Quarter

Inspect monitoring wells

*check concrete collars, protective casings, caps and locks for damage"

Findings:-

All wells inspected and found to be in good condition. See Pictures # 5-11 and # 13-15 attached.

Inspect landfill cap (including cap vegetation)

*check for signs of erosion (rills, channels, ponding)"

*check for signs of vector and vermin damage (holes/tunnels)

*check for the presence of woody vegetation (small trees) - remove any that are found

Findings:-

1. Vegetation short. See Pictures # 13-15
2. Soil slump on west side. See Pictures # 1&2

Inspect gas vents

*check for physical damage (cracks)

*check for soil cracking adjacent to the vents - use additional soil to seal the full depth of the crack

*check for blockages inside the vents - clear vent with a non-metallic probe (snake)

*check for movement of the gas vent riser - repair (by Contractor) any geomembrane damage in the vicinity of the gas vent

Findings:-

Four vents, (V1 – V4) were inspected. Found OK. See Pictures # 13-15

Semi-Annual

Inspect perimeter fence, gates, and signs

*check for damage - restore damaged fencing and illegible signs

Findings:-

Fence has a section of its top rail bent and dislodged on the N/E side by a fallen branch. See Picture # 3 attached. The fence at the northeast side of the landfill near the stream inlet to the site is also missing the top bar but the fence is still functional. At this location, a 10"-12" gap exists between the bottom of the fence and the base of the stream which allows unrestricted flow of the stream around the border of the landfill (see Picture #12).

Twice a year during growing season (end of June to Mid-September)

Mow cap grass to a height of no lower than 15 cm

Findings:

Grass was recently mowed (September).

Comments/Follow-up Work Required

1. Fence needs to be repaired at the NE section. This should be done by HDR/LMS or their contractor.
2. Soil slump area on the west side of the landfill will need some soil and a vegetated mat to prevent any further erosion. This may be repaired in-house by Region 8's Geotechnical Group. If not, then the contractor hired by HDR/LMS will be asked to do this.
3. The fence on the southeast side was repaired by NYSDOT and Town of Harrison. The concrete blocks were moved away from the fence and no longer place pressure on it (Picture #4).
4. Well risers in the land fill area were marked with their ID with a paint marker for easier identification.

DEPRESSION ON
WEST SIDE

#1



Depression on West
Side--View #2

#2



FENCE @ NE SIDE W/TOP
RAIL BENT

#3



FENCE REPAIRED
ON SE SIDE-
BARRIERS
RELOCATED





Well GP-1

#5



GP2

Well GP-2

#6



LMW - 2

87



LMW - 4

#8



Well MW-11

#9



PC-1

#10

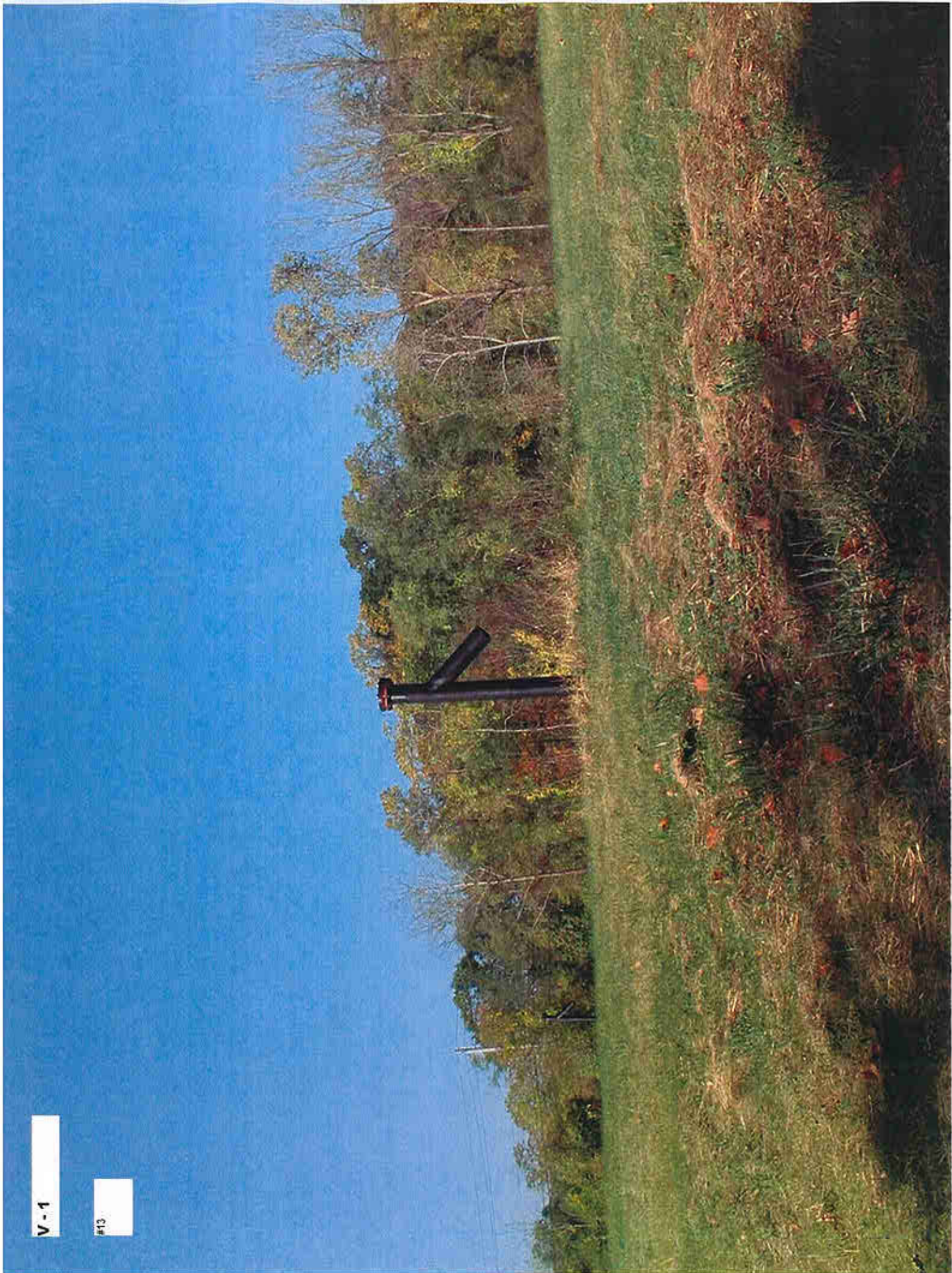


PC-2

**STREAM INLET
BELOW FENCE ON
EAST SIDE**

012





V-1

#13



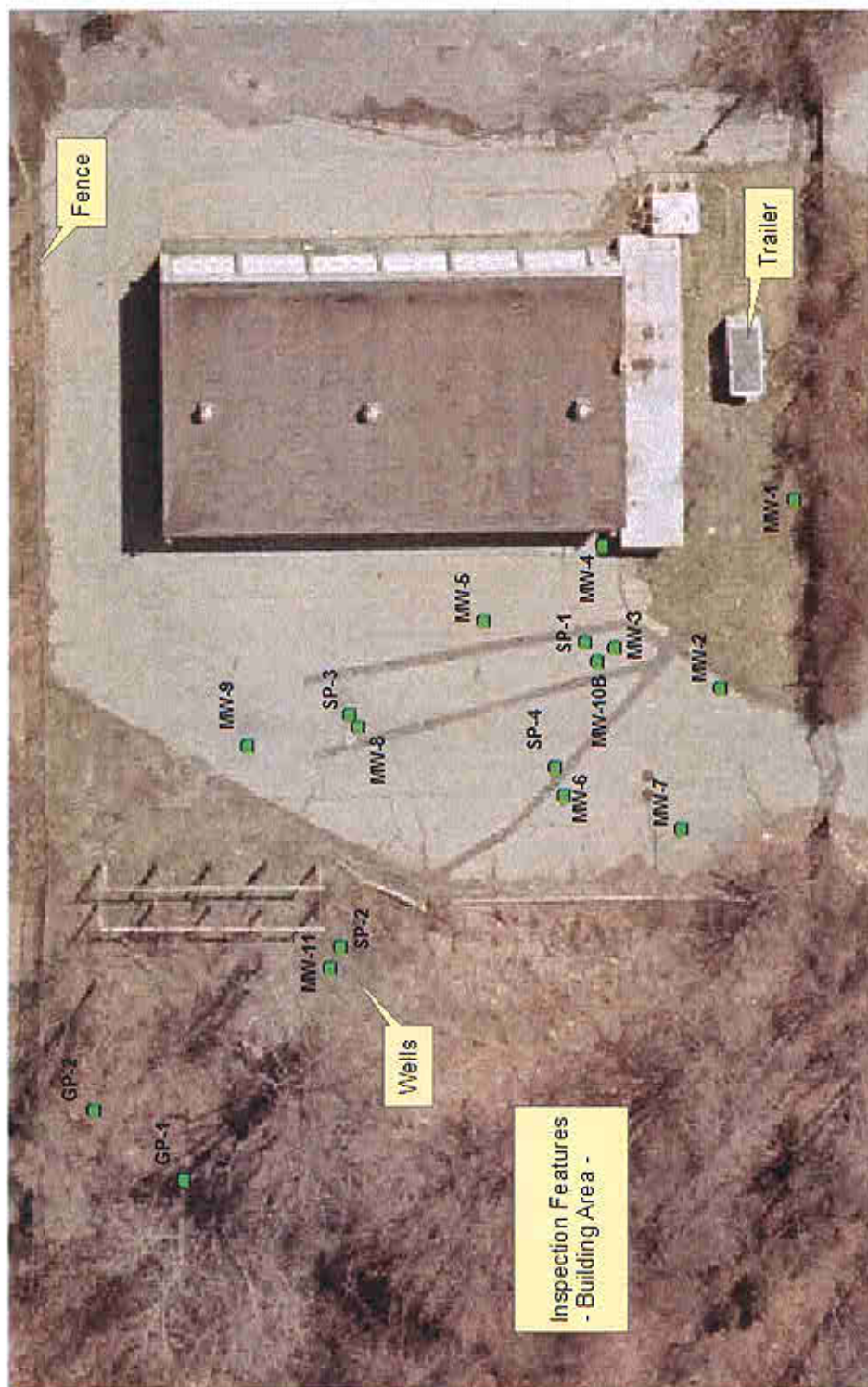
Well V-3

#14



Well V-4

#15



Petroleum Spill Area Inspection Features



Landfill Inspection Features