

OPERATING NOTES

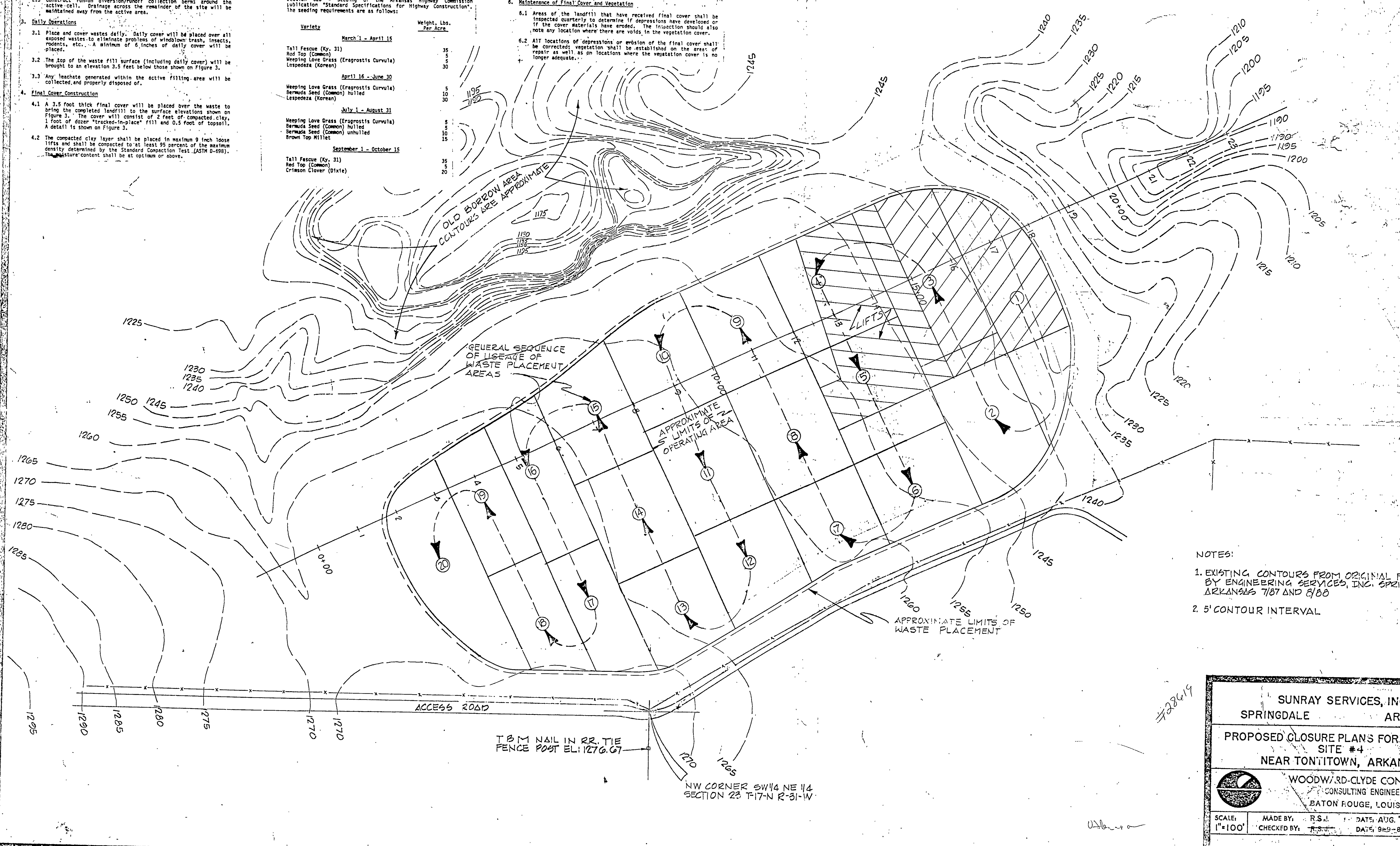
General Site Requirements:

- 1.1 The existing power line crossing the landfill area will be reflected to the west side of the landfill.
- 1.2 Runoff collection ditches on the east, south and west sides of the landfill area will be constructed. The existing drainage swale south of the site will be maintained.
2. Preparation of Active Waste Placement Cells:
  - 2.1 The landfill area is divided into 18 cells of approximately equal volume. Each area is sized to receive about one month's waste volume and daily cover. Filling of these areas will be in a general south to north direction.
  - 2.2 Each cell area will be cleared prior to waste placement.
  - 2.3 Construct run-on diversion/runoff collection berms around the active cell. Drainage across the remainder of the site will be maintained away from the active area.
3. Daily Operations
  - 3.1 Place and cover wastes daily. Daily cover will be placed over all exposed wastes to eliminate problems of windblown trash, insects, rodents, etc. A minimum of 6 inches of daily cover will be placed.
  - 3.2 The top of the waste fill surface (including daily cover) will be brought to an elevation 3.5 feet below those shown on Figure 3.
  - 3.3 Any leachate generated within the active filling area will be collected and properly disposed of.
4. Final Cover Construction
  - 4.1 A 3.5 foot thick final cover will be placed over the waste to bring the completed landfill to the surface elevations shown on Figure 3. The cover will consist of 2 feet of compacted clay, 1 foot of dozer "tracked-in-place" fill and 0.5 foot of topsoil. A detail is shown on Figure 3.
  - 4.2 The compacted clay layer shall be placed in maximum 9 inch loose lifts and shall be compacted to at least 95 percent of the maximum density determined by the Standard Compaction Test (ASTM D-698). The moisture content shall be at optimum or above.

- 4.3 The dozer "tracked-in-place" fill shall be placed in loose lifts of sufficient depth such that a final thickness of 12 inches is obtained after 4 passes of the dozer. The final surface elevation of the "tracked-in-place" fill shall be 0.5 foot below that shown on Figure 3.
5. Topsoil and Revegetation
  - 5.1 After completion of the "tracked-in-place" fill layer to the designated elevations, a topsoil layer of approximately 6 inches will be placed so that the final contour elevations shown on Figure 3 are obtained.
  - 5.2 The topsoil layer should be evaluated for fertilizer, lime and/or other requirements prior to the establishment of vegetation.
  - 5.3 Seeding of topsoil shall generally conform to the requirements of Section 620 - Seeding of the Arkansas Highway Commission publication "Standard Specifications for Highway Construction". The seeding requirements are as follows:

Variety	Weight, Lbs. Per Acre
<b>March 1 - April 15</b>	
Tall Fescue (Ky. 31)	35
Red Top (Common)	5
Weeping Love Grass (Eragrostis Curvula)	30
Lespedeza (Korean)	5
<b>April 16 - June 30</b>	
Weeping Love Grass (Eragrostis Curvula)	5
Bermuda Seed (Common) hulled	10
Lespedeza (Korean)	30
<b>July 1 - August 31</b>	
Weeping Love Grass (Eragrostis Curvula)	5
Bermuda Seed (Common) hulled	10
Bermuda Seed (Common) unhulled	15
Brown Top Millet	15
<b>September 1 - October 15</b>	
Tall Fescue (Ky. 31)	35
Red Top (Common)	5
Crisson Clover (Dixie)	20

- 5.4 Fertilizer shall be applied at the rate of 400 pounds per acre of 10-20-10 or the equivalent amount of plant food. The quantities and ratios may be varied to the extent determined under 5.2 above. Fertilizer shall be uniformly incorporated into the soil to a depth of at least 2 inches. It may be worked into the soil alone or in conjunction with the required lime. The fertilizer may be drilled into the soil or it may be combined with the seed in the hydro-seeding operation. If the fertilizer is incorporated into the hydro-seeding operation, the depth requirement will be waived.
- 5.5 Recommended lime application rates are 2 tons per acre unless soil analyses indicate otherwise.
- 5.6 A mulch cover should be applied at the rate of 2000 pounds per acre after seeding.
6. Maintenance of Final Cover and Vegetation
  - 6.1 Areas of the landfill that have received final cover shall be inspected quarterly to determine if depressions have developed or if the cover materials have eroded. The inspection should also note any location where there are voids in the vegetation cover.
  - 6.2 All locations of depressions or erosion of the final cover shall be corrected. Vegetation shall be established on the areas of repair as well as on locations where the vegetation cover is no longer adequate.



- NOTES:
1. EXISTING CONTOURS FROM ORIGINAL FIELD SURVEY BY ENGINEERING SERVICES, INC. SPRINGDALE, ARKANSAS 7/87 AND 8/88
  2. 5' CONTOUR INTERVAL

SUNRAY SERVICES, INC. SPRINGDALE ARKANSAS			
PROPOSED CLOSURE PLANS FOR LANDFILL SITE #4 NEAR TONNITOWN, ARKANSAS			
WOODWARD-CLYDE CONSULTANTS CONSULTING ENGINEERS BATON ROUGE, LOUISIANA			
SCALE: 1"=100'	MADE BY: R.S.J.	DATE: AUG. '88	FILE NO. 88B132-C
CHECKED BY: R.S.J.			DATE: 9-9-88
LANDFILL OPERATING PLAN			FIGURE 8

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2/16/90









