

GRADING REPORT

COMPUTED BY: Nick Miller  
CHECKED BY: Joseph DeLorenzo  
FEDERAL PROJECT NO: N/A  
ROUTE NO. OR STREET: SR-53

SHEET 1 OF 2  
STATE NO.: 44S053-M3-005  
PIN: 136243.00  
COUNTY: JACKSON

End Area Volume Report

Report Created: Friday, May 2, 2025  
Time: 1:19:54 PM

Cross Section Set Name: SR-53

Alignment Name: SR-53

Input Grid Factor:      Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

| Baseline<br>Station | ----- Station Quantities ----- |      |        |          |                  |        |        |          | Mass<br>Ordinate |
|---------------------|--------------------------------|------|--------|----------|------------------|--------|--------|----------|------------------|
|                     | ----- Cut -----                |      |        |          | ----- Fill ----- |        |        |          |                  |
|                     | Factor                         | Area | Volume | Adjusted | Factor           | Area   | Volume | Adjusted |                  |
| 1650.000            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 0.0    | 0.0    | 0.0      | 0.0              |
| 1670.310            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 0.0    | 0.0    | 0.0      | 0.0              |
| 1700.000            | 1.000                          | 3.2  | 1.8    | 1.8      | 1.000            | 30.4   | 16.7   | 16.7     | -14.9            |
| 1750.000            | 1.000                          | 1.4  | 4.2    | 4.2      | 1.000            | 125.6  | 144.5  | 144.5    | -155.2           |
| 1800.000            | 1.000                          | 0.0  | 1.3    | 1.3      | 1.000            | 400.0  | 486.7  | 486.7    | -640.6           |
| 1850.000            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 631.5  | 955.1  | 955.1    | -1595.6          |
| 1900.000            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 1162.9 | 1661.5 | 1661.5   | -3257.1          |
| 1950.000            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 2665.3 | 3544.6 | 3544.6   | -6801.7          |
| 1950.900            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 2703.3 | 89.5   | 89.5     | -6891.2          |
| 1978.368            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 2907.7 | 2854.1 | 2854.1   | -9745.3          |
| 1985.000            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 2707.3 | 689.6  | 689.6    | -10434.9         |
| 2000.000            | 1.000                          | 0.0  | 0.0    | 0.0      | 1.000            | 2071.5 | 1327.4 | 1327.4   | -11762.4         |
| 2050.000            | 1.000                          | 0.2  | 0.1    | 0.1      | 1.000            | 876.8  | 2729.9 | 2729.9   | -14492.2         |
| 2100.000            | 1.000                          | 0.6  | 0.7    | 0.7      | 1.000            | 477.6  | 1254.1 | 1254.1   | -15745.5         |

# GRADING REPORT

COMPUTED BY: Nick Miller  
 CHECKED BY: Joseph DeLorenzo  
 FEDERAL PROJECT NO: N/A  
 ROUTE NO. OR STREET: SR-53

SHEET 2 OF 2  
 STATE NO.: 44S053-M3-005  
 PIN: 136243.00  
 COUNTY: JACKSON

| ----- Station Quantities ----- |                 |      |        |          |                  |       |         |          |                  |
|--------------------------------|-----------------|------|--------|----------|------------------|-------|---------|----------|------------------|
| Baseline<br>Station            | ----- Cut ----- |      |        |          | ----- Fill ----- |       |         |          | Mass<br>Ordinate |
|                                | Factor          | Area | Volume | Adjusted | Factor           | Area  | Volume  | Adjusted |                  |
| 2150.000                       | 1.000           | 8.7  | 8.6    | 8.6      | 1.000            | 171.2 | 600.7   | 600.7    | -16337.7         |
| 2200.000                       | 1.000           | 0.6  | 8.6    | 8.6      | 1.000            | 55.6  | 210.0   | 210.0    | -16539.1         |
| 2241.720                       | 1.000           | 0.0  | 0.5    | 0.5      | 1.000            | 0.0   | 42.9    | 42.9     | -16581.6         |
| 2250.000                       | 1.000           | 0.0  | 0.0    | 0.0      | 1.000            | 0.0   | 0.0     | 0.0      | -16581.6         |
| Grand Total:                   |                 |      | 25.7   | 25.7     |                  |       | 16607.3 | 16607.3  |                  |

Volume of proposed drainage structure = 1902 cy

Total Fill Required with volume of proposed drainage structure taken out = 14705 cy