



# STAFF REPORT

**Report To:** Range Task Force

**Meeting Date:** February 14, 2019

**Staff Contact:** Rick Cooley, Operations Manager-Public Works

**Agenda Title:** For Presentation Only: Presentation on the Carson City Landfill.

**Staff Summary:** City staff will provide a brief overview on the landfill facility, landfill master plan, and its operations.

**Agenda Action:** Other/Presentation

**Time Requested:** 15 minutes

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## **Proposed Motion**

N/A

## **Board's Strategic Goal**

N/A

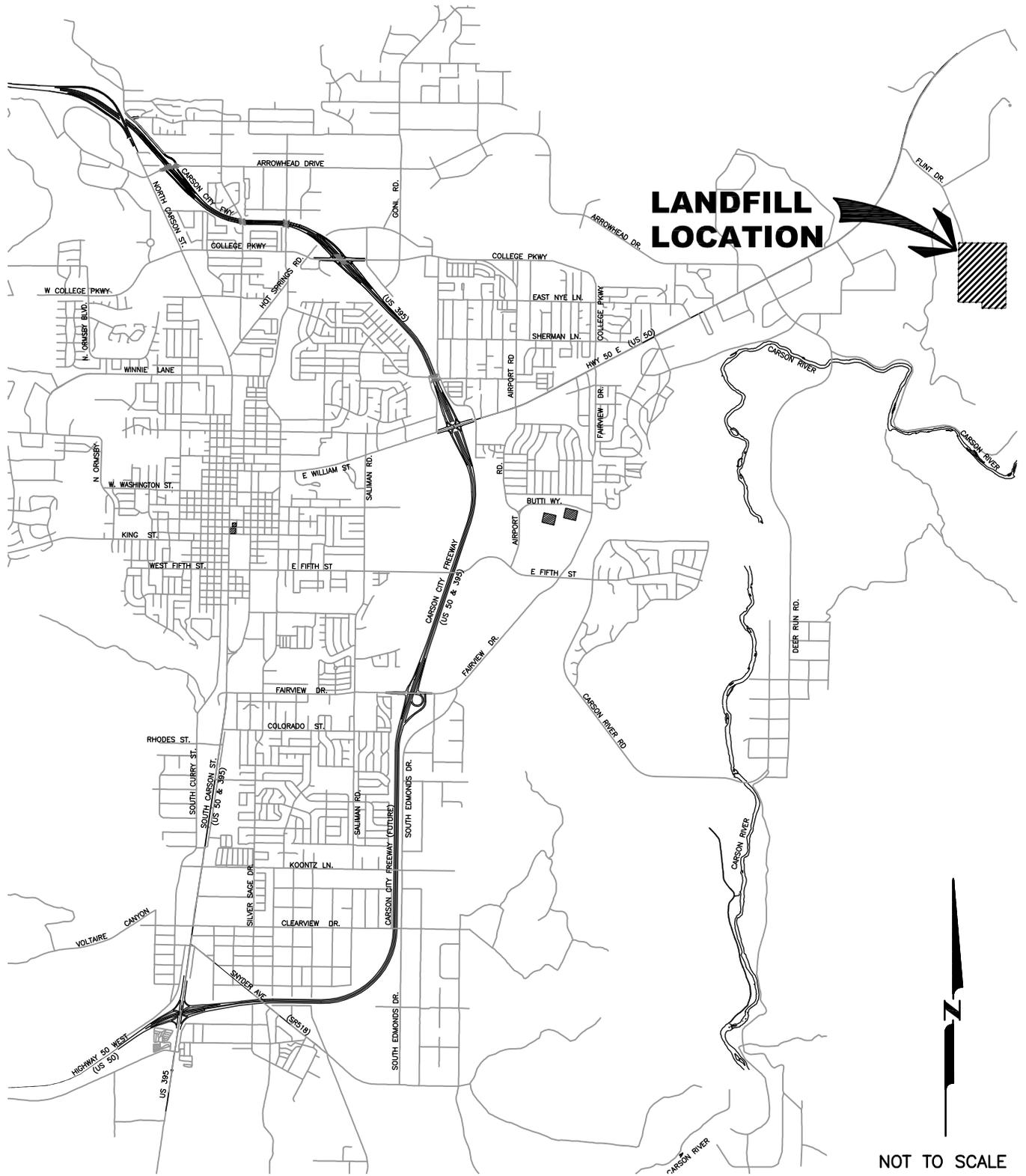
## **Previous Action**

N/A

## **Background/Issues & Analysis**

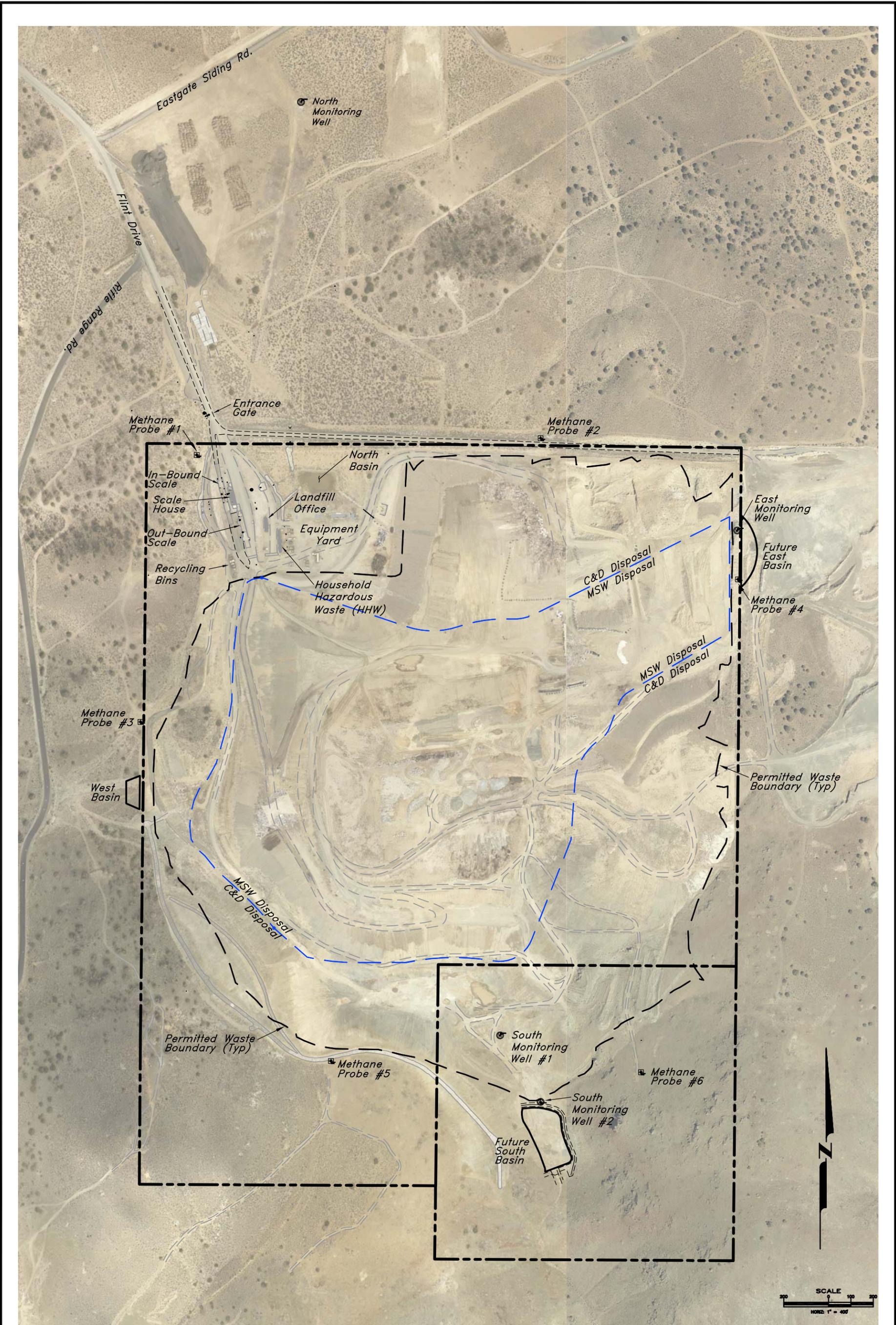
The following are some general facts regarding the landfill and its operations:

- The landfill's current location at 3600 Flint Drive, which began operation in 1971.
- The current permitted landfill footprint totals 212 acres of City owned property.
- The Carson City Landfill is open Mondays-Saturdays, 7:30am to 5pm. Closed Sundays.
- Beginning in 2018, the landfill started closing annually on New Year's Day, Thanksgiving Day, and Christmas Day.
- In 2018, 121,721 loads crossed the scales into the landfill. This averages out to approximately 500 customers per day. A daily high count of 618 customers occurred in October. In 2017, 114,494 loads crossed the scales.
- The landfill is operated by 10 City staff (7 field operations, 3 scale house).
- The landfill is currently in compliance with all NDEP (air quality and operating) permits.
- The landfill budget is in the City's General Fund and provides \$1.75M in revenue annually.
- Current projections are 37 years of airspace available.

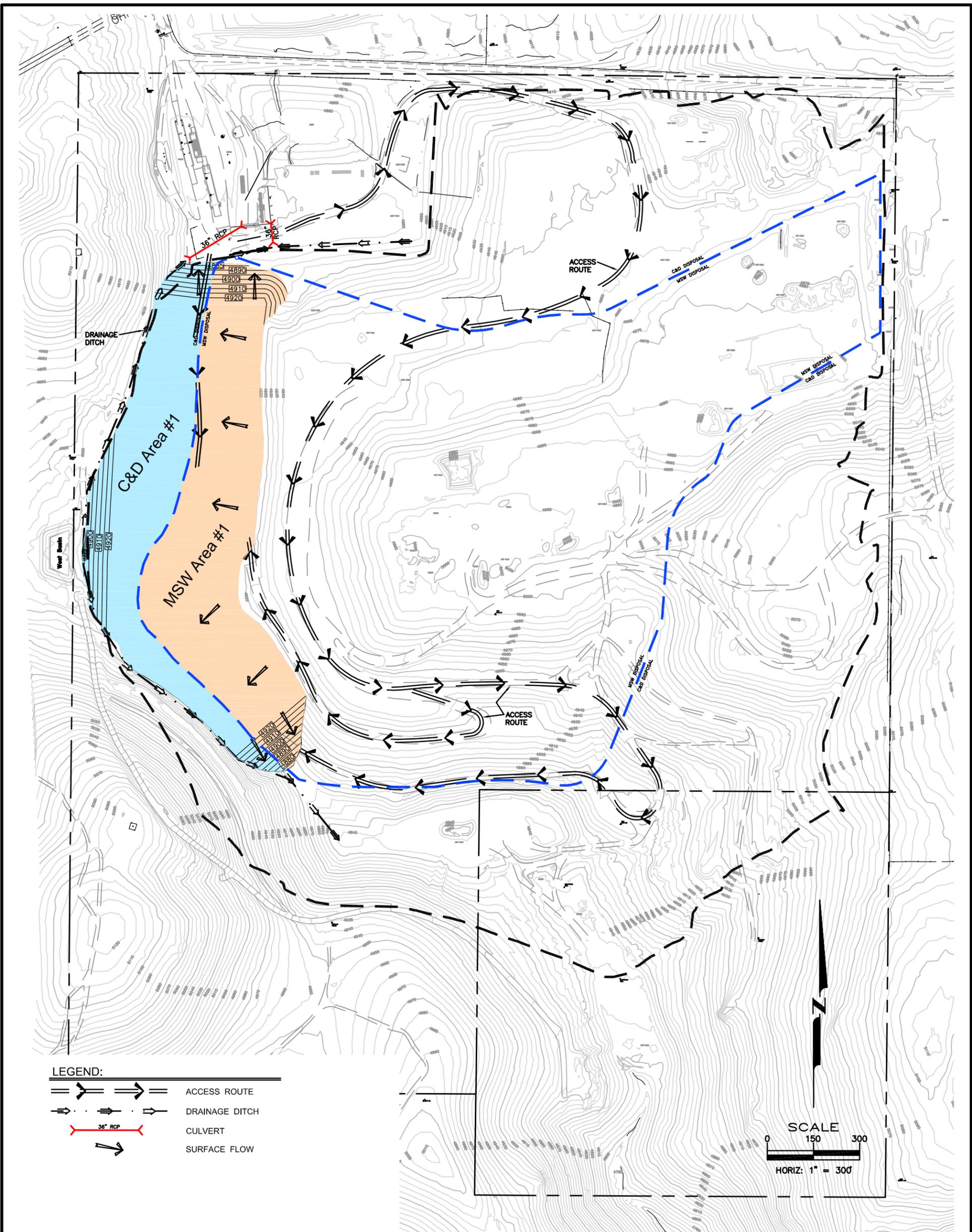


CARSON CITY LANDFILL  
VICINITY MAP  
(APNs 010-691-02 & 03)

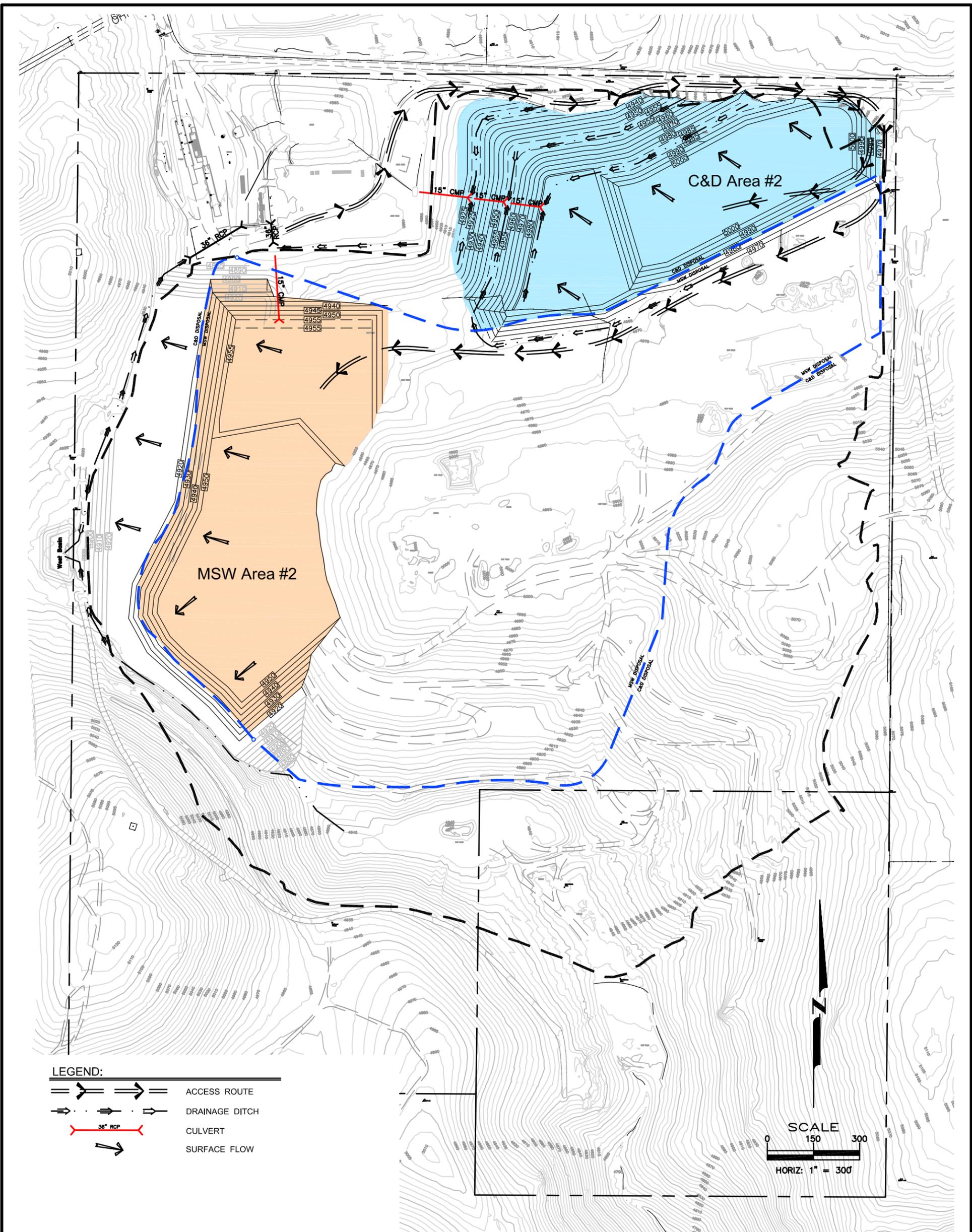
FIGURE  
1



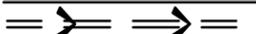
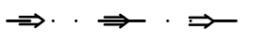
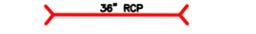
CARSON CITY LANDFILL - SITE MAP  
Figure 2



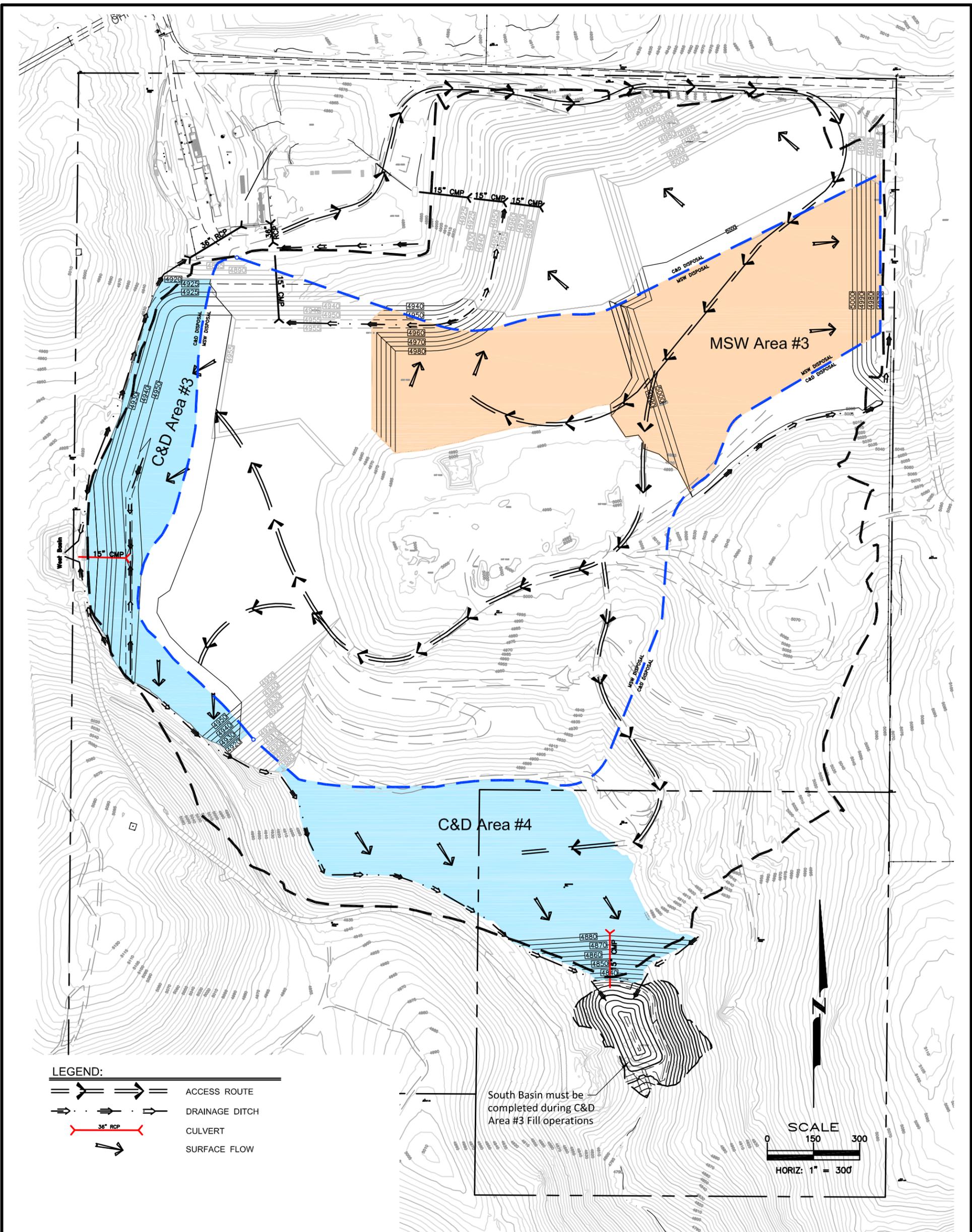
CARSON CITY LANDFILL SEQUENCING PLAN  
Figure 3



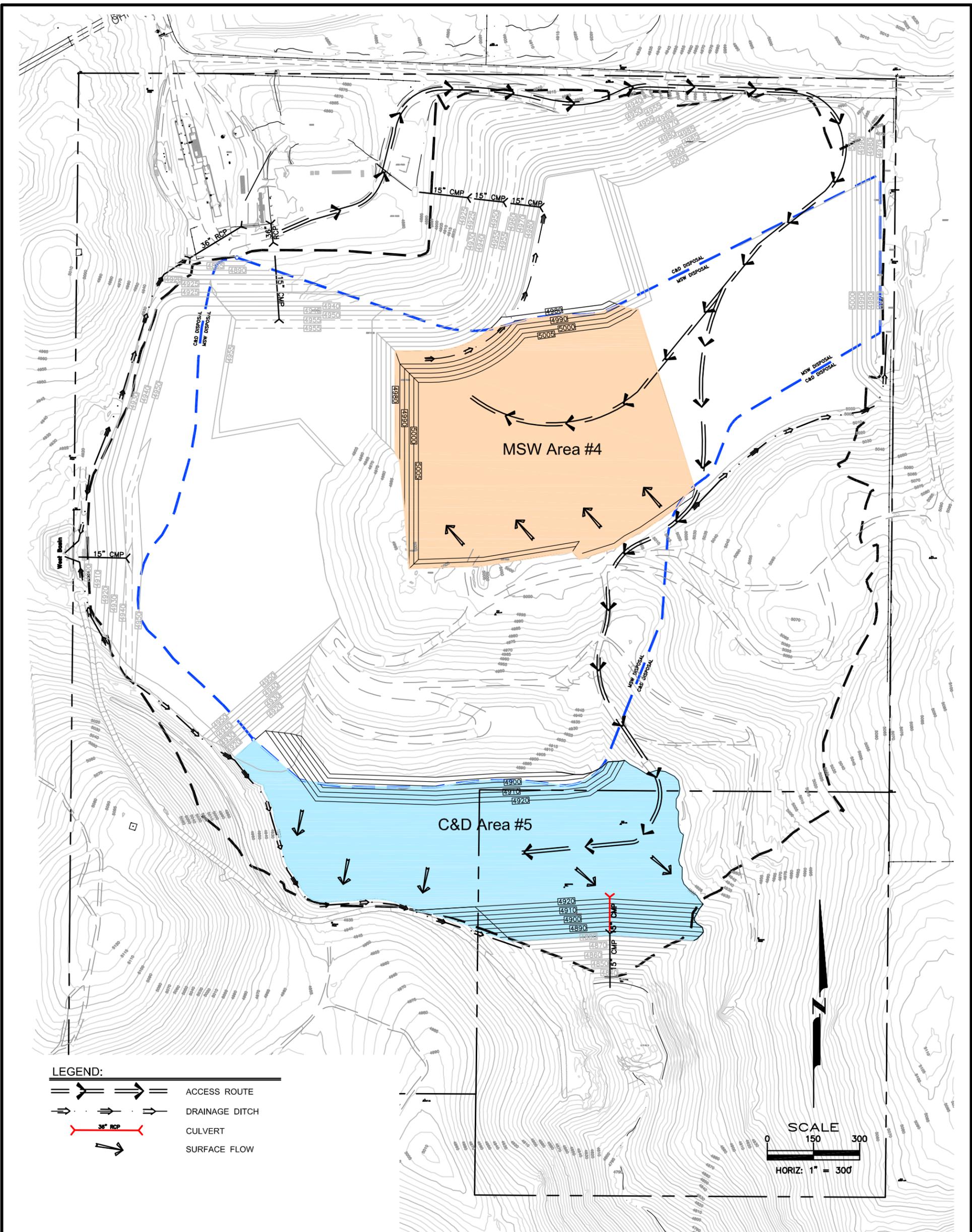
**LEGEND:**

-  ACCESS ROUTE
-  DRAINAGE DITCH
-  CULVERT
-  SURFACE FLOW

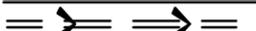
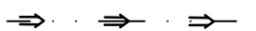
**CARSON CITY LANDFILL SEQUENCING PLAN**  
**Figure 4**



CARSON CITY LANDFILL SEQUENCING PLAN  
Figure 5

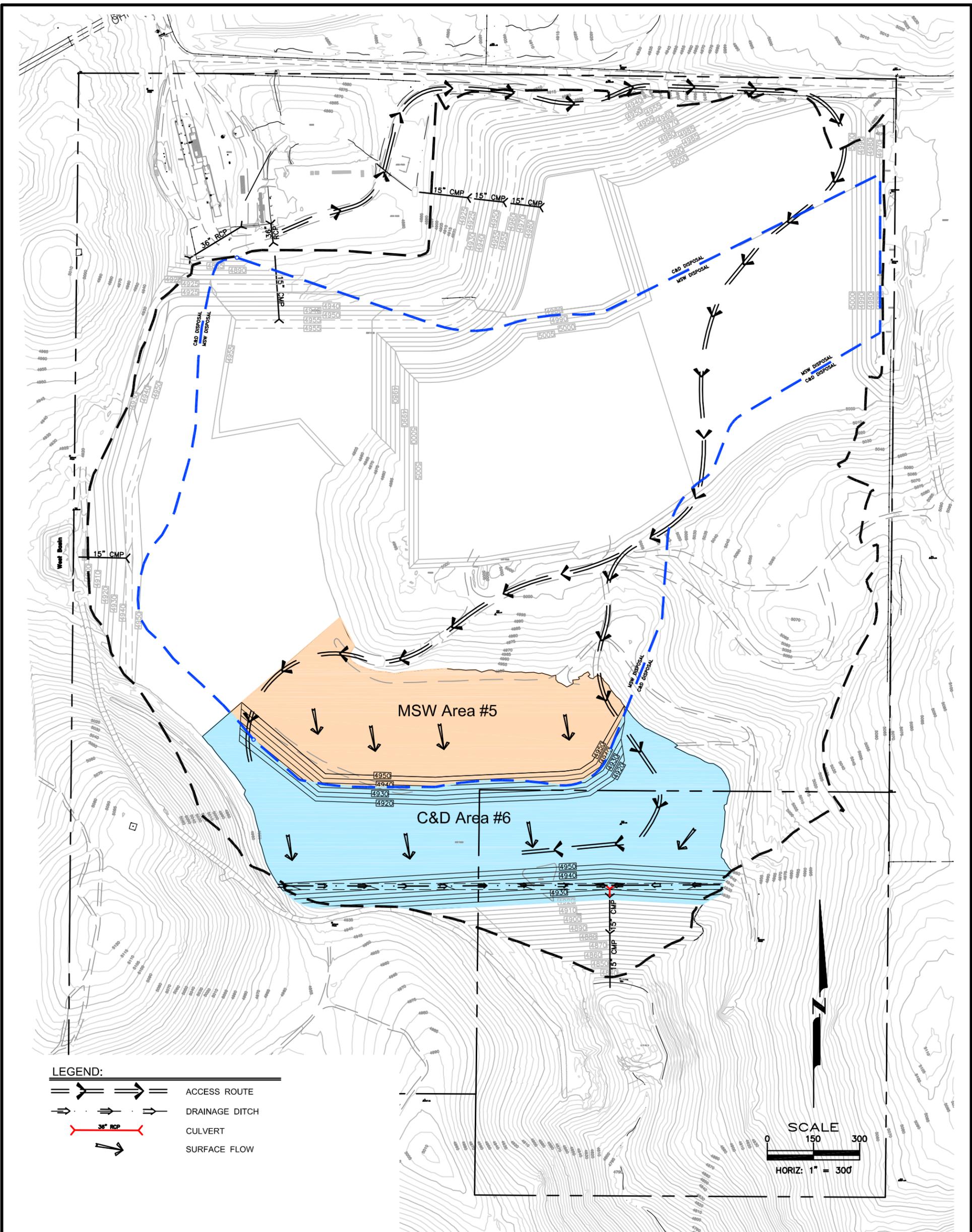


**LEGEND:**

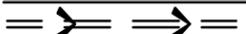
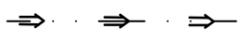
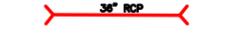
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-  DRAINAGE DITCH
-  CULVERT
-  SURFACE FLOW

SCALE  
0 150 300  
HORIZ: 1" = 300'

CARSON CITY LANDFILL SEQUENCING PLAN  
Figure 6

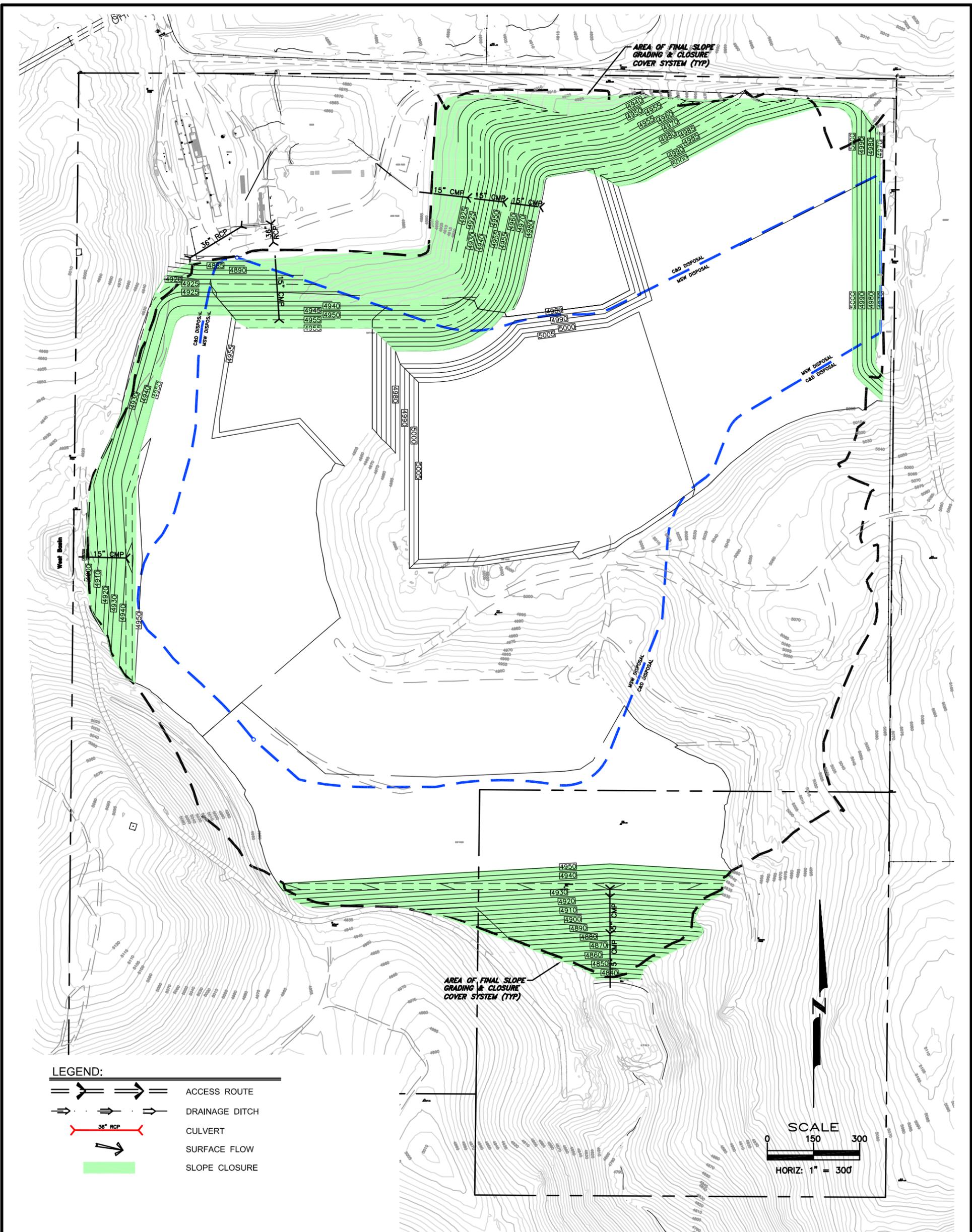


**LEGEND:**

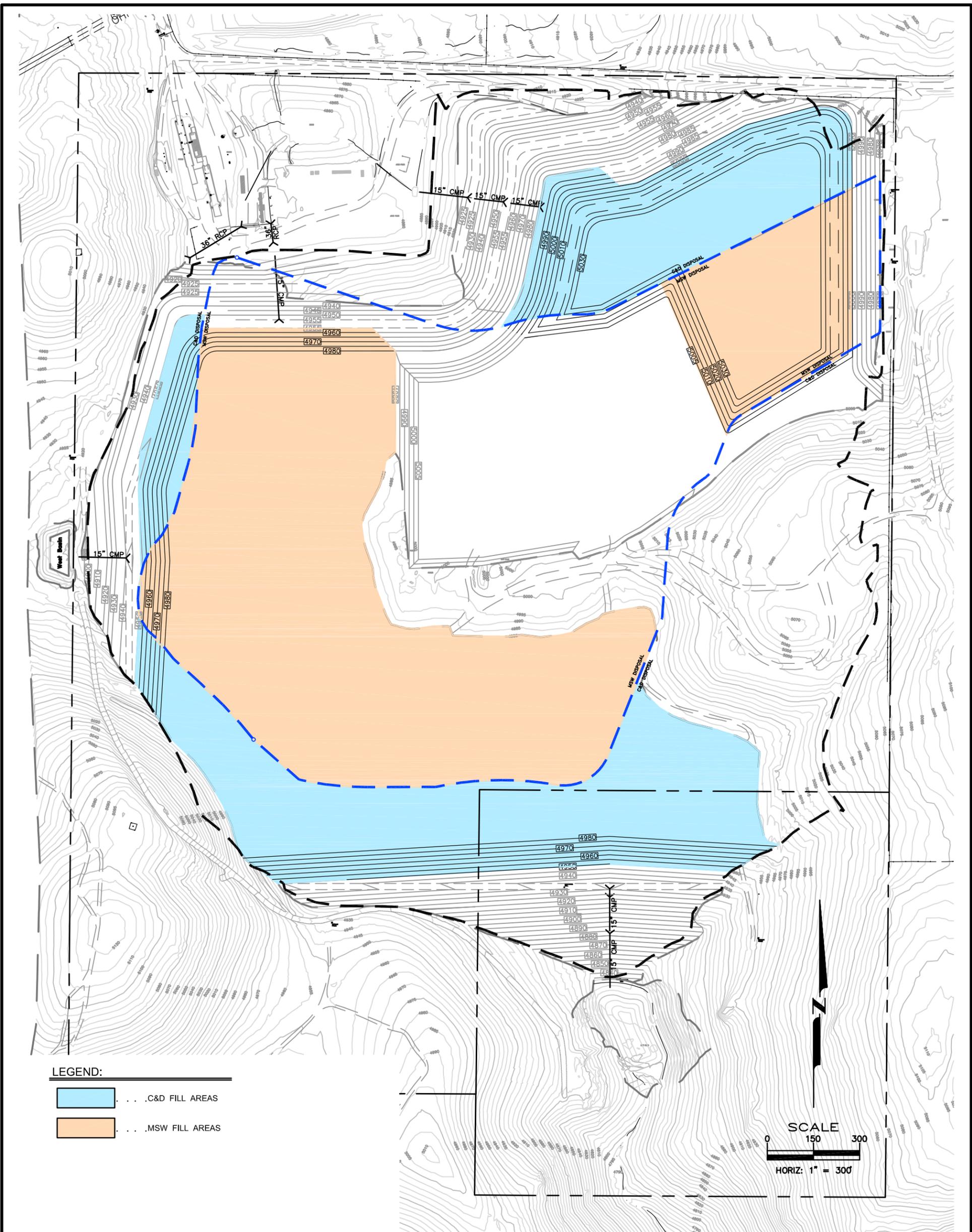
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SCALE  
0 150 300  
HORIZ: 1" = 300'

CARSON CITY LANDFILL SEQUENCING PLAN  
Figure 7



CARSON CITY LANDFILL SEQUENCING PLAN  
Figure 8

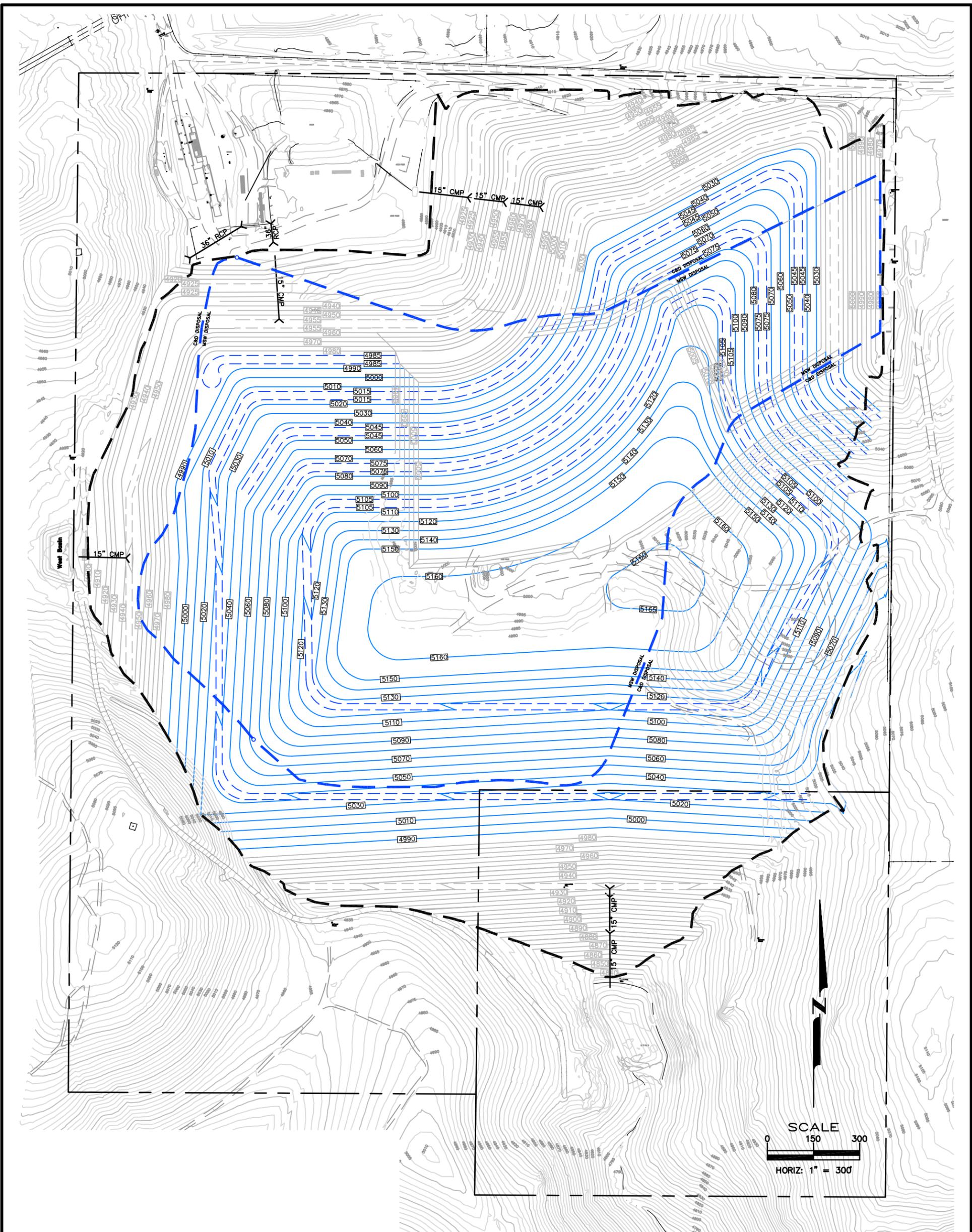


**LEGEND:**

- . . . C&D FILL AREAS
- . . . MSW FILL AREAS

**FILL PLAN - Generalized**

- C&D & MSW waste placement should continue on the south side of the Landfill.



### FINAL FILL PLAN

- This Figure represents the Final Build-Out of the slopes and completes the Landfill Construction.
- Access Roads and Drainage Features will be determined with Final Design and Closure Plans.

CARSON CITY LANDFILL SEQUENCING PLAN  
Figure 10