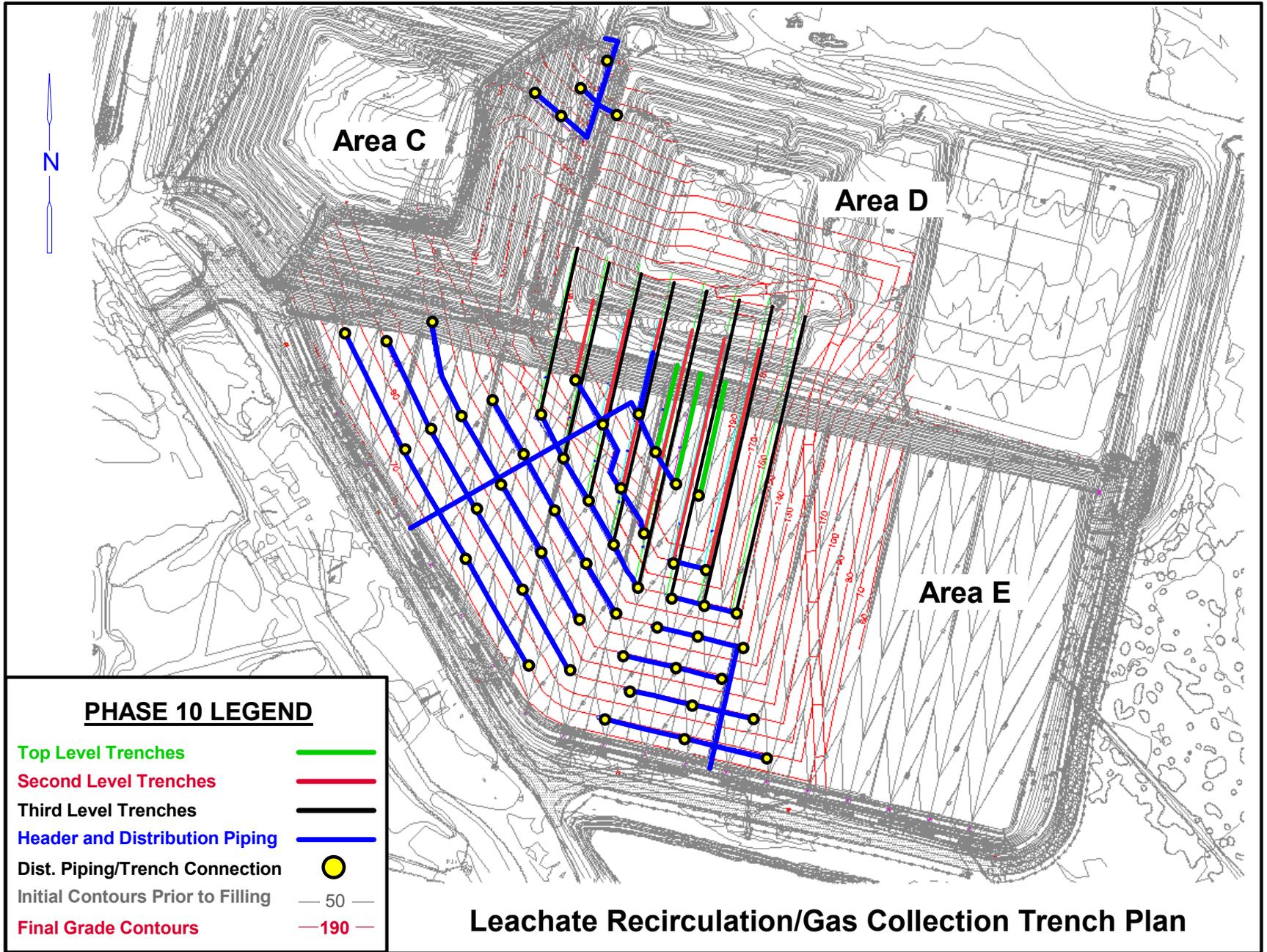
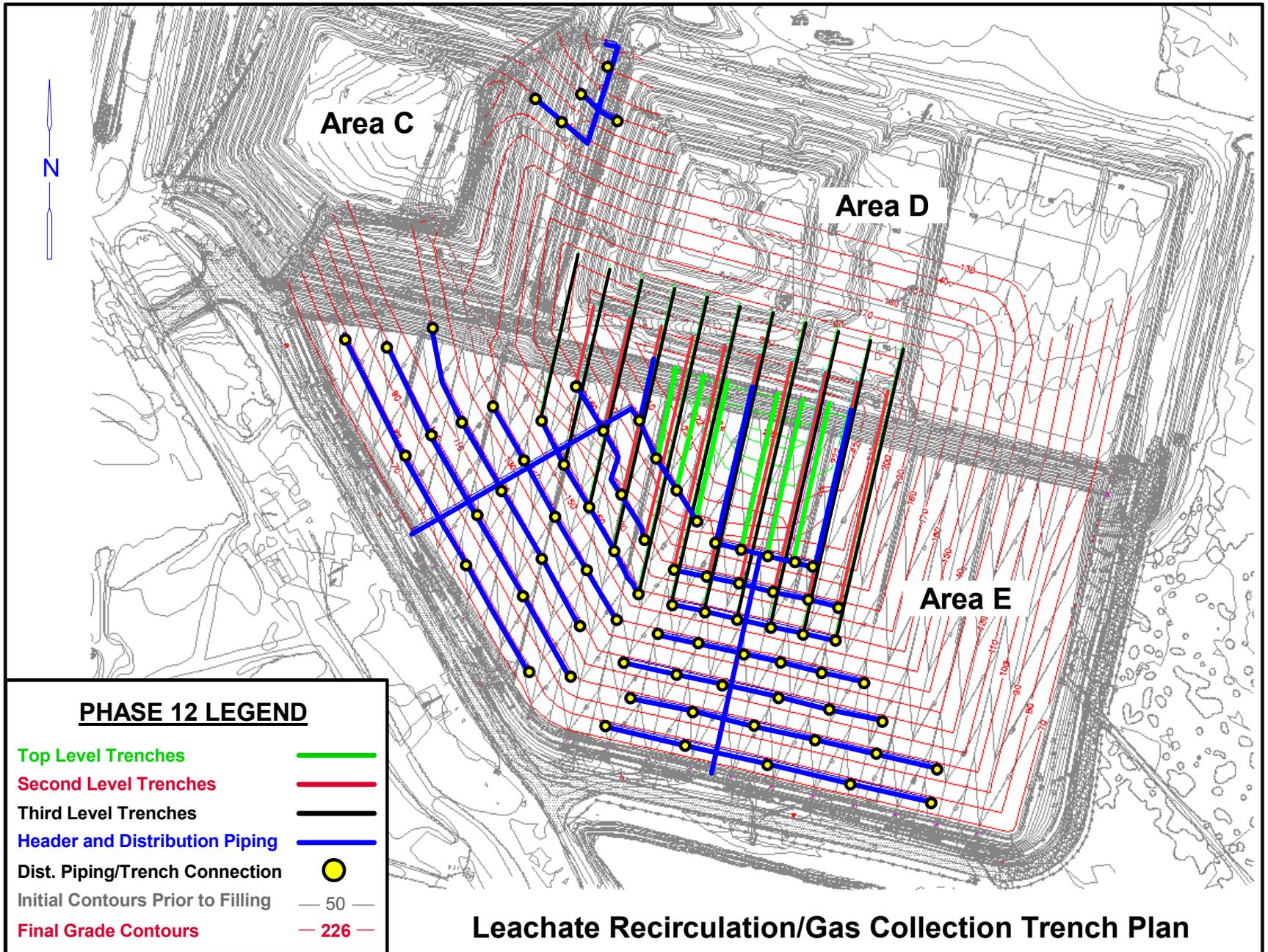
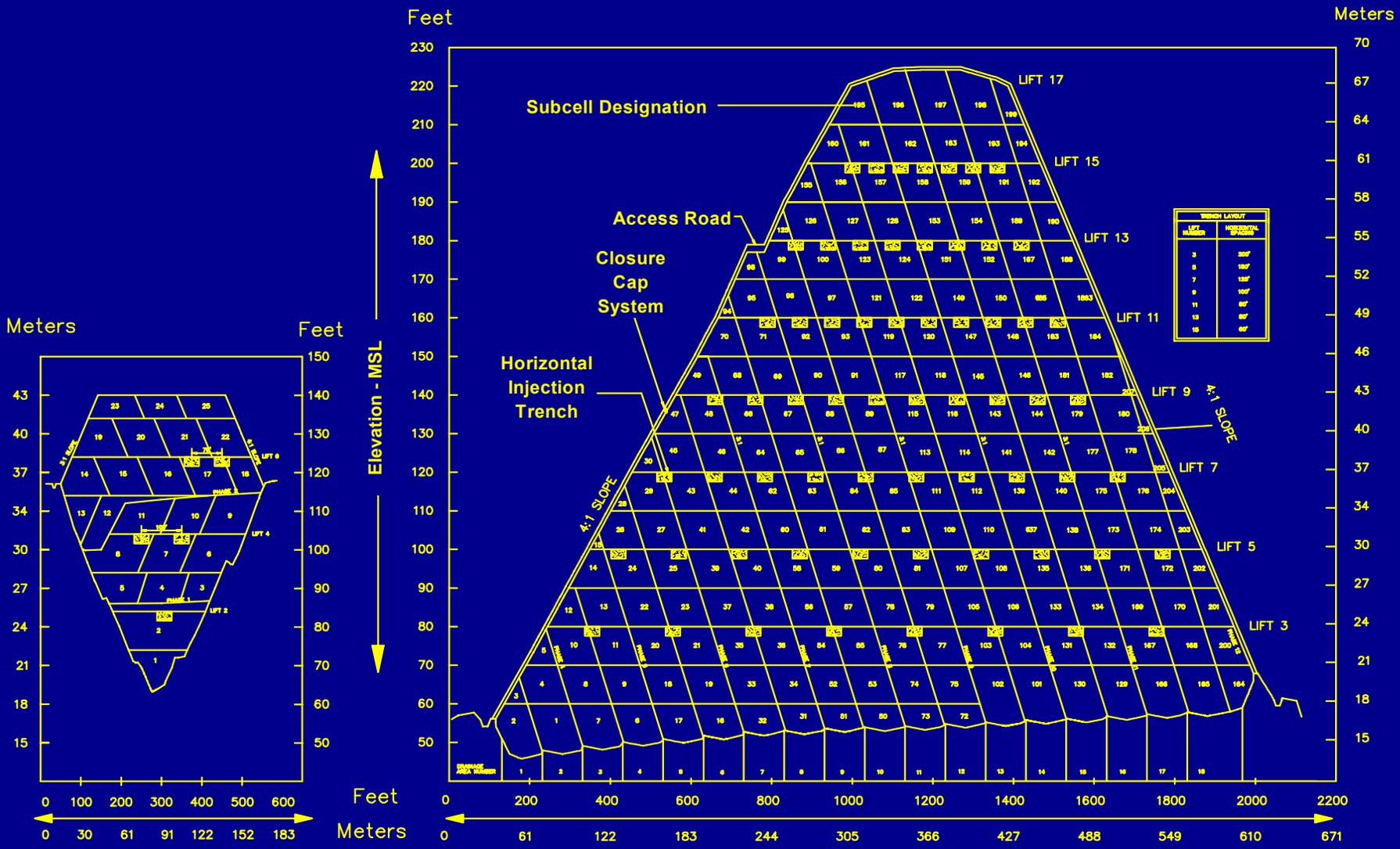


US EPA ARCHIVE DOCUMENT







Area C/D Valley

Area C/D/E

Filling Sequence for the C/D Valley and Area C/D/E

Horizontal Well Operations

- **When to start?**
- **When to stop?**
- **When to start again?**
- **How to integrate with LFG collection system?**

Leachate Recirculation History



	Total MSW Tonnage	Leachate Recirculated (Mgals)
Area A & B	697,000	21.6
Area C	631,000	4.1
Test Cells	18,000*	0.5
Area D	595,000	4.0
C/D Valley	143,000	1.4
Area E	408,000	0
TOTALS	2,474,000	31.6



Current Situation (2002)

	Leachate Collected (gals)	Leachate Recirculated (gals)	Leachate Treated Offsite (gals)	Treatment Cost
Area A & B	3,968,000	0	3,968,000	\$220,000
Area C	1,069,000	0	1,069,000	\$60,000
Area D	1,131,000	487,000	0	0
C/D Valley	0	734,000	0	0
Area E	2,699,000	0	2,609,000	\$145,000
TOTALS	8,867,000	1,221,000	7,646,000	\$425,000



Other Considerations

- **Ease of Operation**
- **To Cap or not to Cap**
- **Capital Investment**



DSWA's Future Goals

- Operate all active and closed cells as Bioreactors
- Eliminate offsite treatment of leachate
- Reach end of post closure period with a zero discharge leachate treatment system consisting of:
 - Recirculation system
 - Wetlands treatment system
 - Phyto cap