

2023 CONCEPTUAL DESIGN
LINCOLN PARISH C/D LANDFILL, LINCOLN PARISH, LOUISIANA
TABLE 1 - ESTIMATED LANDFILL QUANTITIES SUMMARY

Proposed North C&D Cell Estimated Volumes

1	LEVEE CLAY VOLUME, CY	13,745
2	BOTTOM OF CELL 2' CLAY LAYER VOLUME, CY	11,033
3	DITCH CLAY VOLUME, CY	1,213
4	PIGGYBACK CLAY VOLUME, CY	3,190
5	FINAL CAP AREA (3D), SF	245,067
6	2.5' FINAL CAP VOLUME, CY	22,691
7	WASTE CAPACITY, CY (ASSUMES NO EXCAVATION)	317,591
8	COVER SOIL (5% OF CAPACITY), CY	15,880

Proposed South C&D Cell Estimated Volumes

9	LEVEE CLAY VOLUME, CY	12,116
10	BOTTOM OF CELL 2' CLAY LAYER VOLUME, CY	16,887
11	DITCH CLAY VOLUME, CY	4,595
12	FINAL CAP AREA (3D), SF	288,761
13	2.5' FINAL CAP VOLUME, CY	26,737
14	WASTE CAPACITY, CY (ASSUMES NO EXCAVATION)	308,579
15	COVER SOIL (5% AIRSPACE), CY	15,429

Total Estimated Volumes

16	TOTAL CELL CONSTRUCTION CLAY, CY	62,779
17	TOTAL CELL INTERIM COVER SOIL, CY	31,308
18	TOTAL FINAL CAP CLAY, CY	49,429
19	TOTAL CLAY REQUIRED, CY	143,516
20	TOTAL ESTIMATED WASTE CAPACITY	626,170

Budgetary Cost Estimates (2023 Dollars, Assumes Clay Purchased from Off-Site 3rd Party @ \$20/cy)

21	GEOTECH INVESTIGATION AND SOLID WASTE, AIR, AND LPDES PERMITTING (BOTH CELLS)	\$175,000
22	SWPPP AND SPCC UPDATES	\$6,000
23	NORTH C&D CELL CONSTRUCTION	\$728,000
24	NORTH C&D CELL FINAL DESIGN, CQA, TESTING, AND CERT REPORT	\$100,000
25	NORTH C&D CELL COVER SOIL @ \$20/CY	\$318,000
26	NORTH C&D CELL CLOSURE CONSTRUCTION	\$558,000
27	NORTH C&D CELL CLOSURE FINAL DESIGN, CQA, TESTING, AND CERT REPORT	\$90,000
28	NORTH C&D CELL POST-CLOSURE (TOTAL FOR 3-YEARS)	\$205,000
29	SOUTH C&D CELL CONSTRUCTION	\$820,000
30	SOUTH C&D CELL FINAL DESIGN, CQA, TESTING, AND CERT REPORT	\$100,000
31	SOUTH C&D CELL COVER SOIL @ \$20/CY	\$309,000
32	SOUTH C&D CELL CLOSURE CONSTRUCTION	\$649,000
33	SOUTH C&D CELL CLOSURE FINAL DESIGN, CQA, TESTING, AND CERT REPORT	\$90,000
34	SOUTH C&D CELL POST-CLOSURE (TOTAL FOR 3-YEARS)	\$205,000
35	TOTAL ESTIMATED COSTS FOR LIFE OF BOTH CELLS*	\$4,400,000

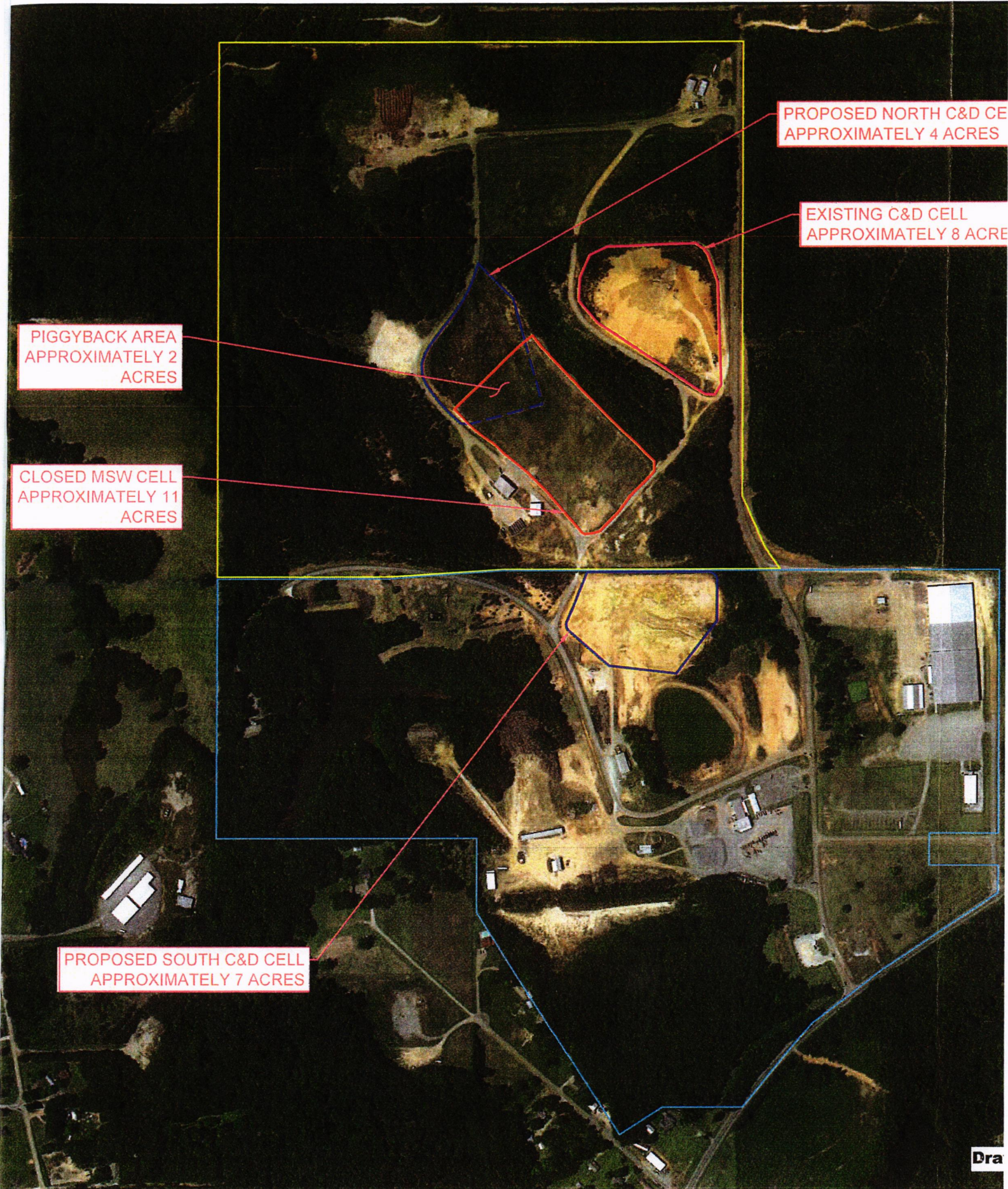
*Excludes permit compliance, operational equipment, and operational labor.

Estimated Life

36	EXISTING C&D CELL PERMITTED CAPACITY, CY	502,000
37	EXISTING C&D CELL LIFE (1993 TO 2024), YEARS	32
38	CY PER YEAR CONSUMED	15,688
39	PROPOSED NORTH C&D CELL WASTE CAPACITY, CY	317,591
40	PROPOSED NORTH C&D CELL ESTIMATED LIFE, YEARS	20
41	PROPOSED SOUTH C&D CELL WASTE CAPACITY, CY	308,579
42	PROPOSED SOUTH C&D CELL ESTIMATED LIFE, YEARS	20
43	TOTAL ESTIMATED LIFE FOR BOTH CELLS, YEARS	40
44	TIME FOR DESIGN, PERMITTING, CONSTRUCTION, AND ACTIVATION OF NORTH CELL, YRS	3

Estimated Revenue

45	TONS FOR BOTH CELLS (ASSUME 1,000 LBS/CY WHICH = D6 DOZER COMPACTION)	313,085
46	TIPPING FEE PER TON	\$28
47	REVENUE FOR BOTH CELLS @ 1,000 LBS/CY	\$8,800,000
48	TONS FOR BOTH CELLS (ASSUME 1,500 LBS/CY WHICH = COMPACTOR COMPACTION)	469,627
49	REVENUE FOR BOTH CELLS @ 1,500 LBS/CY	\$13,100,000



PROPOSED NORTH C&D CELL
APPROXIMATELY 4 ACRES

EXISTING C&D CELL
APPROXIMATELY 8 ACRES

PIGGYBACK AREA
APPROXIMATELY 2
ACRES

CLOSED MSW CELL
APPROXIMATELY 11
ACRES

PROPOSED SOUTH C&D CELL
APPROXIMATELY 7 ACRES