

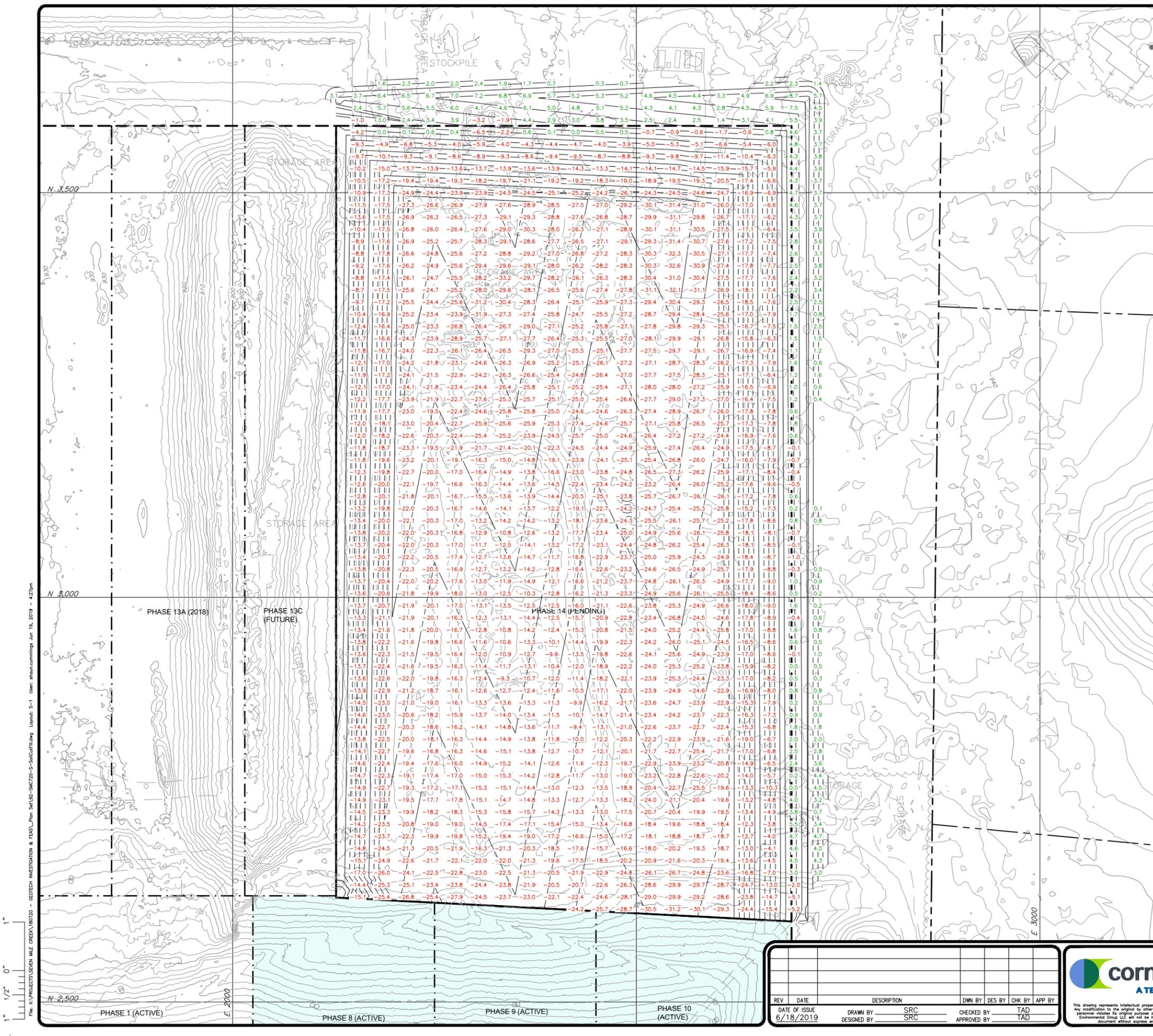
# **APPENDIX S**

## **DESIGN CAPACITY AND MATERIAL BALANCE CALCULATIONS**

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Figure S-1 - Expansion Area Soil Cut-Fill

Figure S-2 - Liner Construction Phasing



**LEGEND**

- PROPERTY BOUNDARY
- PERMITTED SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- AREA OF RAIN COVER (TEMPORARY)
- 1140 --- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING FENCE
- EXISTING WOOD EDGE
- 1140 --- PROPOSED 10' CONTOUR
- PROPOSED 2' CONTOUR
- 9.3 PROPOSED FILL
- 0.6 PROPOSED CUT

**NOTES:**

1. AERIAL TOPOGRAPHIC DRONE SURVEY PERFORMED BY CQM, INC. ON APRIL 9, 2019.
2. PROPOSED CUT AND FILL NUMBERS ARE FROM THE APRIL 9, 2019 SURFACE COMPARED TO THE PROPOSED BOTTOM OF CLAY LINER WITH THE FINAL GRADE OF THE PERIMETER BERM.

VOLUME SUMMARY		
CUT (CY)	FILL (CY)	NET (CY)
380,000	10,000	370,000 (CUT)



**ISSUED FOR REVIEW**

1" = 120' 0" SCALE IN FEET  
 File: X:\PROJECTS\SEVEN MILE CREEK\180720 - GEOTECH INVESTIGATION & FEASIBILITY STUDY\180720-S-1 SoilCutFill.dwg Layout: S-1 User: shawn.cunningham Jun 19, 2019 - 4:27pm

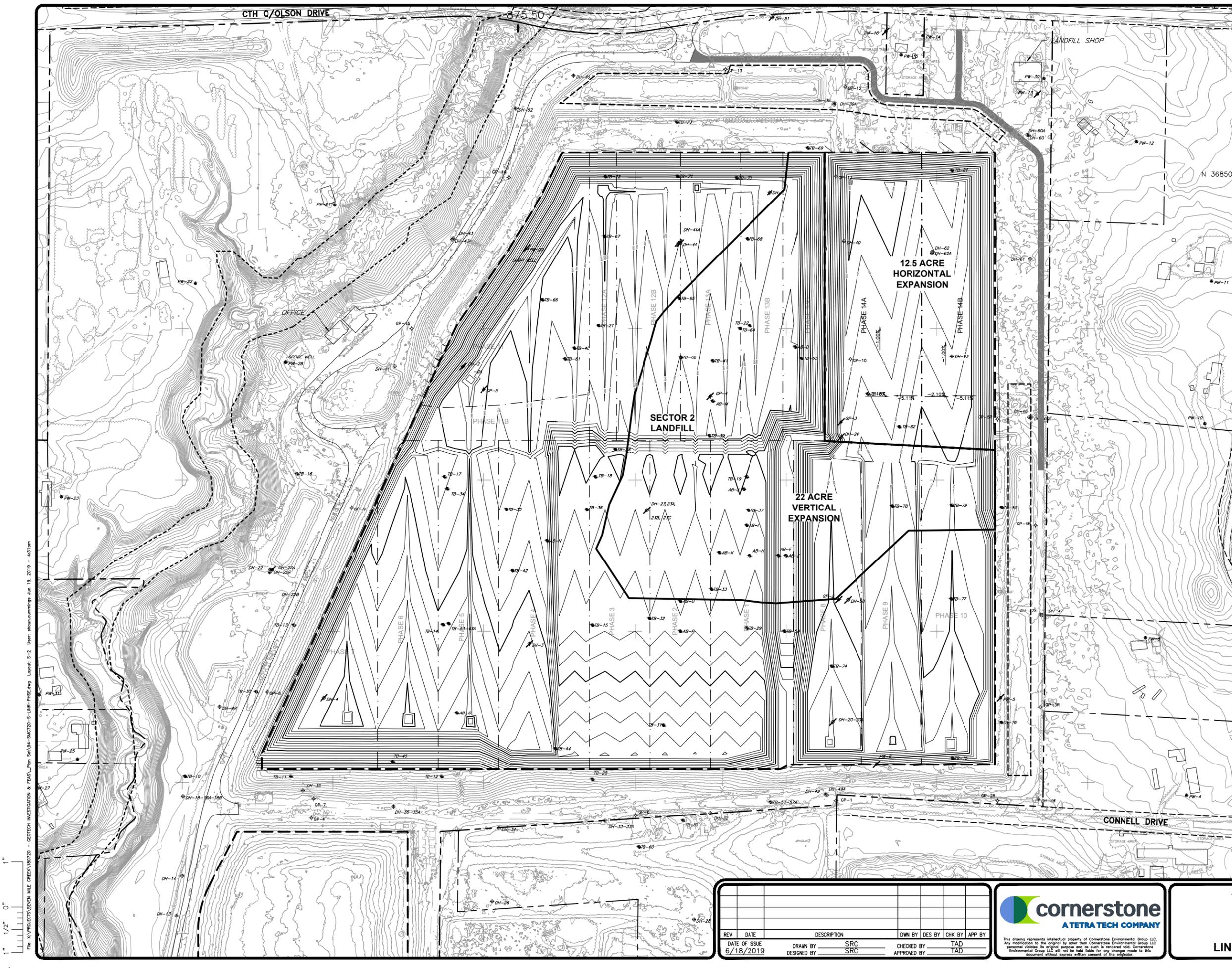
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ADVANCED DISPOSAL SERVICES  
 SEVEN MILE CREEK LANDFILL  
 EAU CLAIRE, WISCONSIN  
**FEASIBILITY REPORT**  
**EXPANSION AREA SOIL CUT-FILL**

FIGURE NO.  
**S-1**  
 PROJECT NO.  
 180720

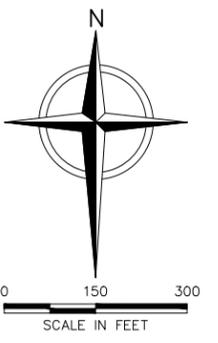


- LEGEND**
- PROPERTY BOUNDARY
  - ROAD RIGHT-OF-WAY
  - PERMITTED SOLID WASTE BOUNDARY
  - PHASE BOUNDARY
  - PROPOSED PHASE BOUNDARY
  - - - - - APPROXIMATE 100-YEAR FLOODPLAIN DELINEATION
  - EXISTING EDGE OF WOODS/SHRUBS
  - 1030--- PROPOSED 10' CONTOUR
  - 1000--- PROPOSED 2' CONTOUR
  - EXISTING 10' CONTOUR
  - EXISTING 2' CONTOUR
  - ⊕ DH-33 EXISTING GROUNDWATER MONITORING WELL
  - ⊕ PW-8 EXISTING PRIVATE WELL
  - ⊕ GP-13 EXISTING GAS PROBE
  - ⊕ B-68 SOIL BORING LOCATION
  - ⊕ DH-44 ABANDONED MONITORING WELL
  - ⊕ PW-5 ABANDONED PRIVATE WELL
  - ⊕ GP-3 ABANDONED GAS PROBE
  - PROPOSED NORTHEAST EXPANSION HORIZONTAL FOOTPRINT
  - PROPOSED NORTHEAST EXPANSION VERTICAL FOOTPRINT
  - PROPOSED STORM WATER BASIN
  - PROPOSED ROAD

- NOTES:**
1. DRONE SURVEY PERFORMED BY CQM ON APRIL 24, 2018 WITHIN AREA SHOWN ON MAP AND SUPPLEMENTED BY TOPOGRAPHIC SURVEY PERFORMED BY SRMC ON APRIL 6, 2017.
  2. PROPERTY BOUNDARIES AND ROAD RIGHT-OF-WAYS ARE FROM DRAWINGS CREATED BY AYRES ASSOCIATES WITH SUPPLEMENTAL DATA FROM EAU CLAIRE COUNTY'S GIS DEPARTMENT.
  3. SUBBASE GRADES ARE FROM AYRES AND ASSOCIATES SECTOR 2--PLAN OF OPERATION--PLAN MODIFICATION (AUGUST 2011) AND SECTOR 2 --HORIZONTAL & VERTICAL EXPANSION (OCTOBER 2004).

**PHASE 14 BASE LINER SUMMARY**

PHASE	AREA (SF)	CLAY VOL. (CY)
14A	309,550	45,860
14B	236,650	35,060



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 1" = 1/2" 0"

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ADVANCED DISPOSAL SERVICES  
 SEVEN MILE CREEK LANDFILL  
 EAU CLAIRE, WISCONSIN  
**FEASIBILITY REPORT**  
**LINER CONSTRUCTION PHASING**

FIGURE NO.  
**S-2**  
 PROJECT NO.  
 180720

**ISSUED FOR REVIEW**