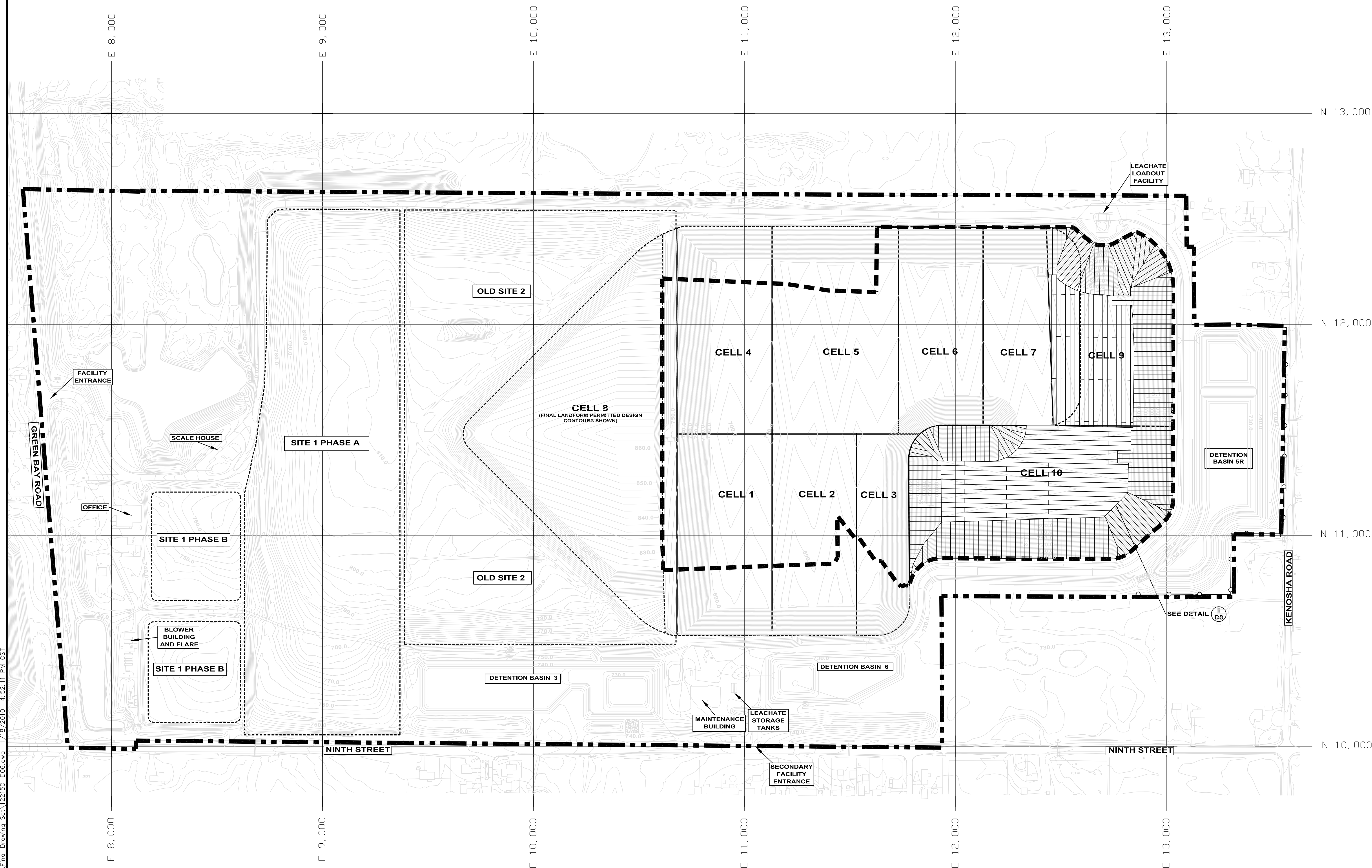


LEGEND

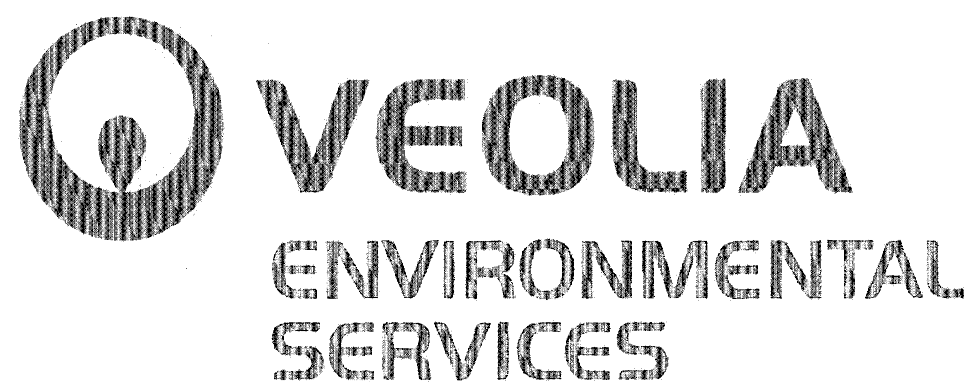
- APPROXIMATE PROPOSED FACILITY BOUNDARY
- PROPOSED EXPANSION WASTE AREA
- EXISTING PERMITTED LIMIT OF WASTE AREAS
- TREES / VEGETATION
- EXISTING FENCE
- PROPOSED FENCE
- ACCESS ROAD (SEE DRAWING NO. D5 FOR EXISTING VS. PROPOSED)
- PERIMETER STORMWATER DITCH (SEE DRAWING NO. D5 FOR EXISTING VS. PROPOSED)
- CULVERT (SEE DRAWING NO. D5 FOR EXISTING VS. PROPOSED)
- TOP OF LINER GRADES / BOTTOM OF LEACHATE COLLECTION GRADES. (FEET MSL) (SEE DRAWING NO. D5 FOR GRADE SOURCE DESCRIPTIONS)

NOTES

- FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
- THE NEED FOR FLEXIBILITY TO ACCOMMODATE ADJUSTMENTS AND MODIFICATIONS IS ANTICIPATED CONSIDERING THE SIZE, COMPLEXITY, AND LIFE OF THE PROJECT.
- PERIMETER STORMWATER CONTROL WILL BE CONSTRUCTED AS FILLING PROGRESSES TO PREVENT RUN-ON ONTO THE LANDFILL.
- CELLS 1-6 AND 8 HAVE BEEN CONSTRUCTED. REMAINING CELL DEVELOPMENT WILL PROCEED IN THE ORDER OF CELL 7, CELL 9, AND CELL 10.
- PROPOSED GEOMEMBRANE PANEL LAYOUT FOR THE PROPOSED LANDFILL IS CONCEPTUAL. THIS PANEL LAYOUT MAY BE REVISED AT THE TIME OF CONSTRUCTION BY THE GEOMEMBRANE INSTALLER. THE CQA OFFICER WILL APPROVE ALL PROPOSED GEOMEMBRANE PANEL LAYOUTS PRIOR TO CONSTRUCTION AND ANY VARIATIONS THAT MAY BE NECESSARY DURING INSTALLATION BASED ON FIELD CONDITIONS.
- AS-BUILT PLANS OF INSTALLED GEOMEMBRANE PANEL LAYOUT AND THE LOCATIONS OF THE FIELD SEAMS AND REPAIRS WILL BE SUBMITTED TO THE IEPA PRIOR TO WASTE ACCEPTANCE AS PART OF THE CONSTRUCTION ACCEPTANCE REPORT.
- CONCEPTUAL LAYOUT ASSUMES 60-MIL HDPE PANELS, WHICH ARE TYPICALLY 22.5 FEET WIDE BY 400 FEET LONG. PANEL LENGTHS AND WIDTHS MAY VARY PER MANUFACTURER'S SPECIFICATIONS AT THE TIME OF CONSTRUCTION. PANELS WILL OVERLAY A MINIMUM (6) INCHES OR AS REQUIRED FOR SEAMING.
- THE GEOMEMBRANE PANELS WILL EXTEND BEYOND THE WASTE BOUNDARY TO THE ANCHOR TRENCH.
- GEOMEMBRANE PANEL SEAMING WILL BE PERFORMED USING DUAL FUSION WEDGE WELDS WHEREVER POSSIBLE. EXTRUSION WELDS WILL BE USED FOR REPAIRS, INCLUDING DESTRUCTIVE TESTING LOCATIONS AND ANY GEOMEMBRANE LINER DEFECTS.



| REV. NO. | DATE | DESCRIPTION |
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VEOLIA E.S. ZION LANDFILL-SITE 2 EAST EXPANSION
CITY OF ZION, ILLINOIS

CONCEPTUAL GEOMEMBRANE PANEL LAYOUT

| | | | |
|--------------|--------|-------------|---|
| PROJ. NO.: | 122150 | DATE: | FEBRUARY 2010 |
| DESIGNED BY: | RDS | DRAWING NO. | <div>D6</div> <div>6 OF 22 SHEETS</div> |
| DRAWN BY: | BWM | | |
| CHECKED BY: | RDS | | |
| APPROVED BY: | DAM | | |
| | | | |