



TRASHY TO CLASSY

Taking Your Landfill From Burden to Community Asset

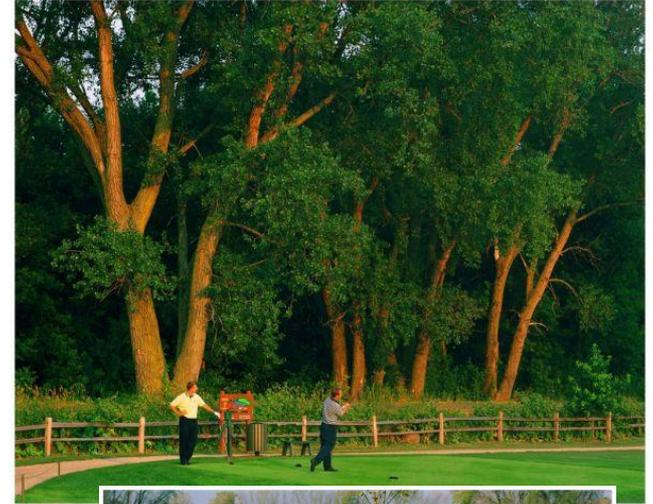
Annual Meeting
Wisconsin Towns Association
October 10, 2017

PRESENTERS

- Lynn Scherbert, PE, Ayres Associates
 - Environmental Engineer
- Ryan Shimko, PE, Ayres Associates
 - Environmental Engineer



Landfills aren't just for garbage anymore!



REDEVELOPMENT OF LANDFILLS

- Two case studies
 - Cedar Rapids, Iowa
 - Glendale, Wisconsin
- Planning process
- Setting Goals
- Demonstrating Results



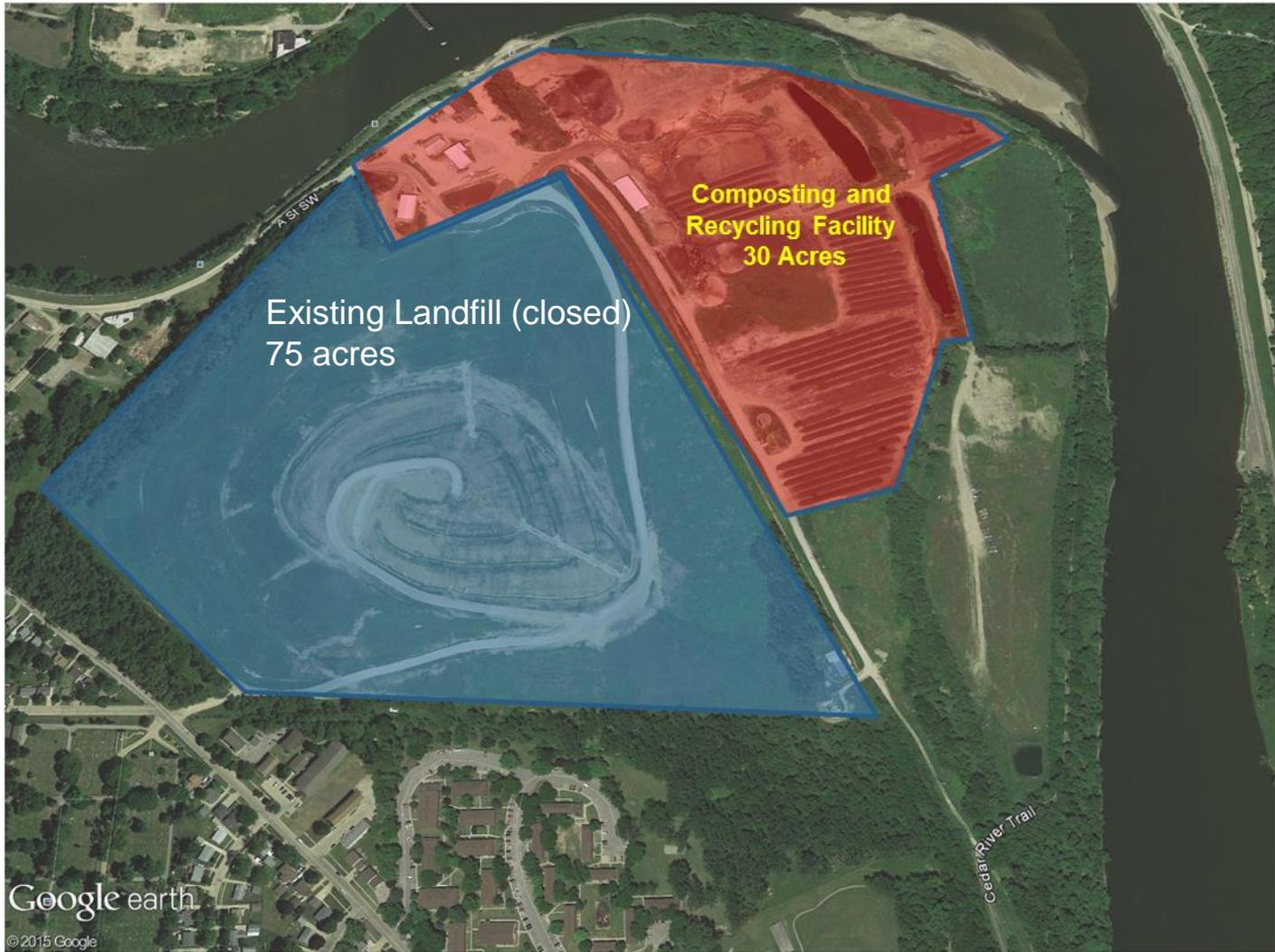


Project Background

- Cedar Rapids/Linn County Solid Waste Agency

- Provide Master Plan for Site 1

- Develop Plan to:
 - Improve Operations at Active Facility
 - Explore Options for Development of Closed Landfill
 - Provide Access and Complete Construction for Both Areas Without Impacting Existing Operations



Existing Landfill (closed)
75 acres

Composting and
Recycling Facility
30 Acres

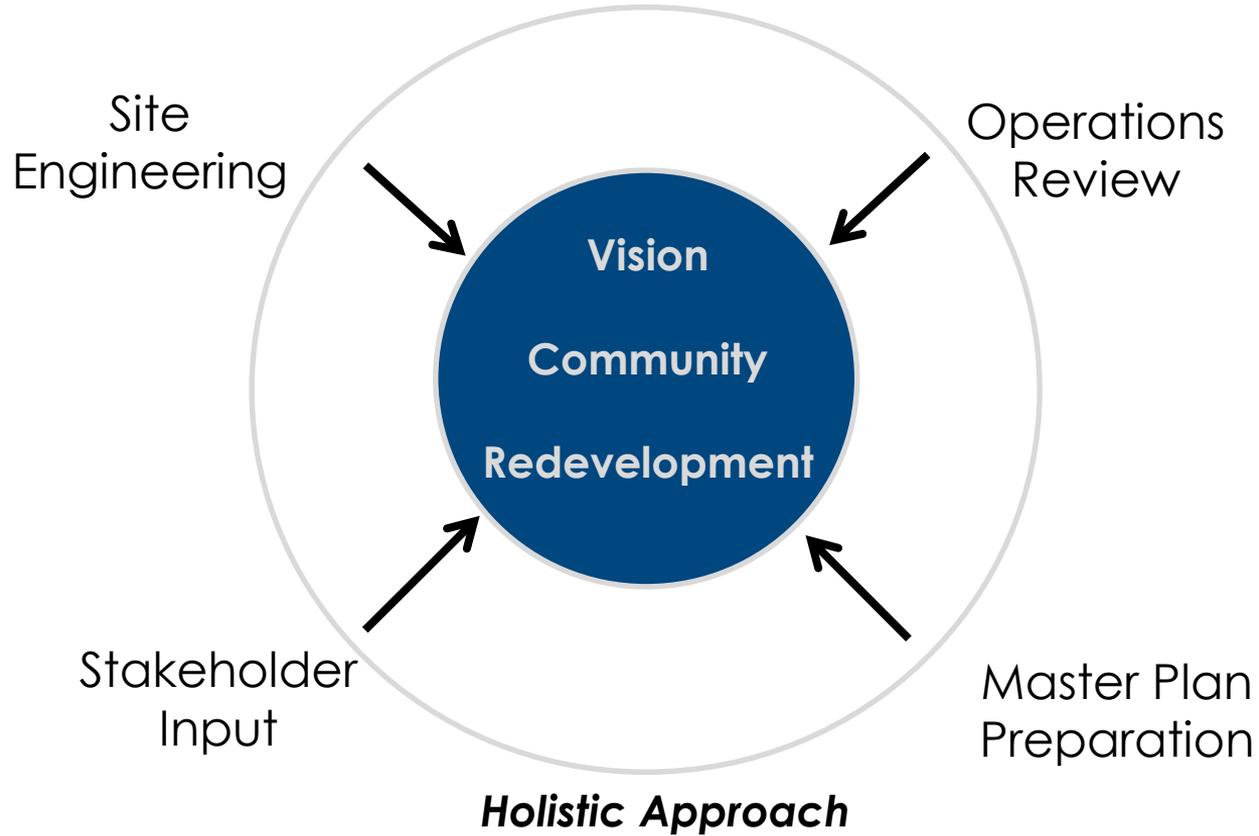


Goals of the Site Master Plan Process

- Beneficial Reuse of Closed Landfill Site
- Customer Service/Improvements
- Site Operations Efficiencies
- Input from Stakeholders
- Three Principles – Service, efficiency, Sustainability



MASTER SITE PROCESS



MASTER PLANNING PROCESS STEPS

- Site operations analysis
- Preliminary planning phase
- Integration with city/county plans
- Stakeholder input
- Engineering and master plan development

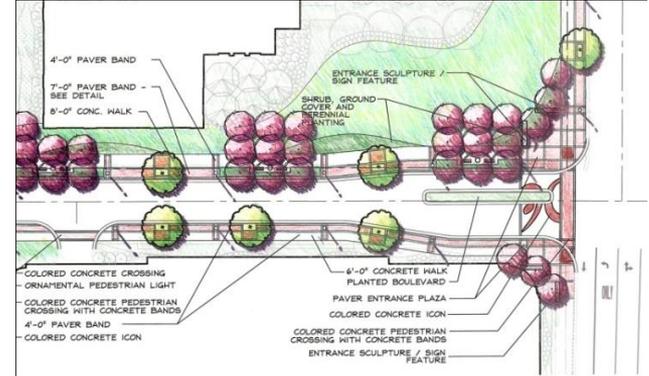


SITE OPERATIONS ANALYSIS



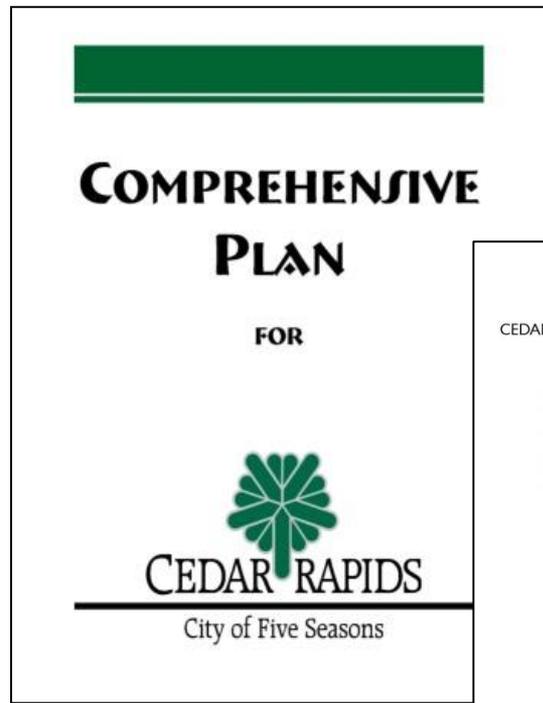
PRELIMINARY PLANNING PHASE

- Trends in closed landfill use
- Trends in composting and recycling operations
- **Deliverable – Trends Analysis Report**
- Feasible land use options for closed landfill
- **Deliverable – Site Design Options Report**
 - Alternatives for landfill and service center



INTEGRATE WITH CITY/COUNTY PLANS

- Comprehensive master plan
- Comprehensive trails plan
- Flood control planning
- Public works planning
- Public transportation planning
- Police and fire planning
- Utility planning
- Neighborhood planning



PUBLIC OUTREACH

- Interactive forums
- Small group discussions
- Print media
- Project update meetings
- Advisory steering committees
- Project website



ENGINEERING AND MASTER PLAN DEVELOPMENT







Landfill Redevelopment Features

- ❑ Walking/Bike Trails – Connection to Cedar River Trail
- ❑ Mountain Bike Trail – Over Entire Landfill
- ❑ Overlook Decks with Spotting Scopes
- ❑ Interpretive Plaques and Artwork Along Walking Trail and Overlook
- ❑ Education and Event Center Building
- ❑ Native Prairie Plantings
- ❑ Family Pavilions
- ❑ Access to landfill cap adjacent to Education Center
- ❑ Group area with access to landfill cap trail network







GOALS

- Iowa project video to play here

PROCESS

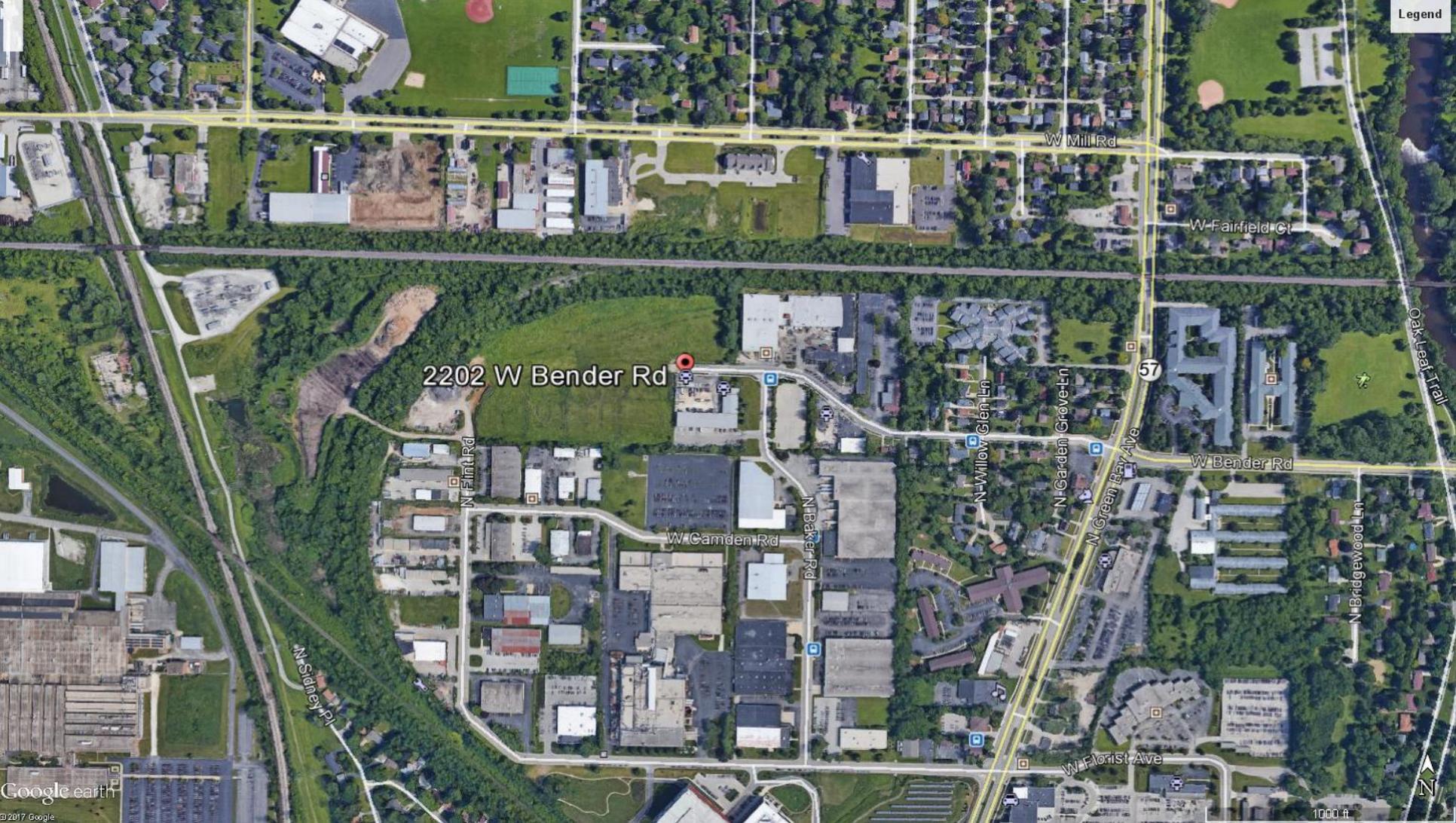
- “Post Master Planning”
- What next?

COOPERATIVE EFFORT

RICHARD E. MASLOWSKI COMMUNITY PARK

- City of Glendale
- Glendale School District
- Rettler Corporation
- Kahler Slater
- Scherrer Construction
- Ayres Associates





2202 W Bender Rd

W Mill Rd

W Fairfield Ct

N Flint Rd

W Camden Rd

N Baker Rd

N Willow Glen Ln

N Garden Grove Ln

N Green Bay Ave

57

W Bender Rd

N Stony Pt

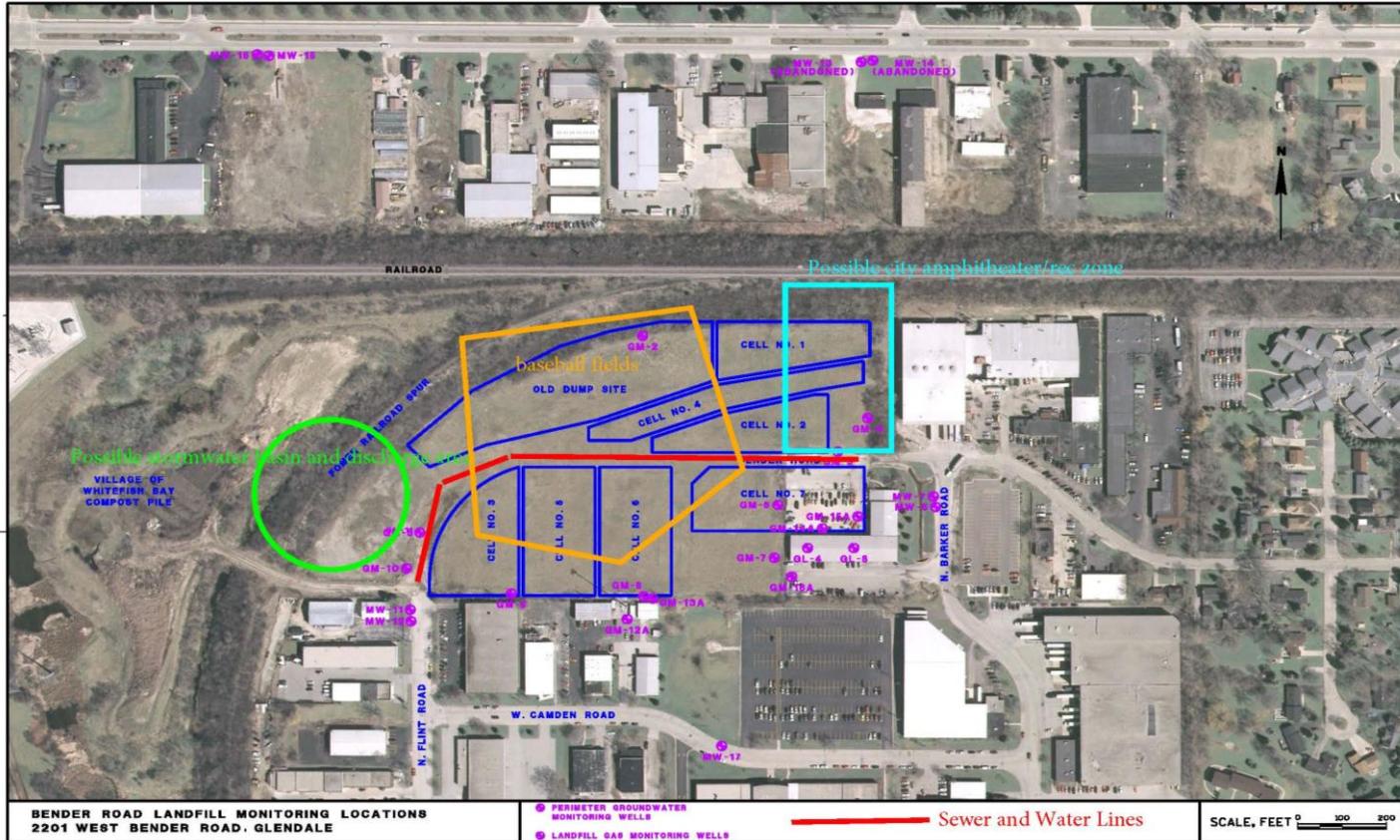
W Florist Ave

N Bridgewood Ln

Oak Leaf Trail



PRELIMINARY DESIGNS



COMING SOON: **RICHARD E. MASLOWSKI COMMUNITY PARK**

GLENDALE COMMUNITY RECREATION CAMPUS



 **Glendale**
Wisconsin
Rich Past • Bright Future

PROJECT MANAGER

 **RETTLER**
corporation

CONSULTANTS

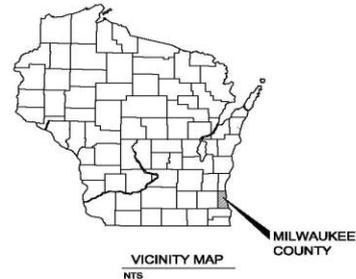
 **AVRES**
ASSOCIATES

Kahler Slater
experience design

CONTRACTOR

Scherrer
CONSTRUCTION CO., INC.

CLOSURE PLAN MODIFICATION - PHASE 1, 2, & 3 WEST BENDER ROAD LANDFILL CITY OF GLENDALE, WISCONSIN RECORD DRAWINGS SEPTEMBER 2017



LOCATION MAP



DRAWING INDEX	
DWG NO	DESCRIPTION
1	TITLE SHEET
2	PRE-CONSTRUCTION CONDITIONS
3	PHASE 1 RECORD SITE PLAN
4	PHASE 1 GAS CONTROL SYSTEM
5	PHASE 2 RECORD SITE PLAN
6	PHASE 2 GAS CONTROL SYSTEM
7	PHASE 3 RECORD SITE PLAN
8	SOIL VAPOR MANAGEMENT SYSTEM
9	ENVIRONMENTAL MONITORING PLAN
10	DETAILS - LANDFILL FEATURES
11	DETAILS - PHASE 1 & 2 CONSTRUCTION
12-14	DETAILS - PHASE 2 CONSTRUCTION
15, 16	DETAILS - PHASE 3 CONSTRUCTION
17	DETAILS - SOIL VAPOR MANAGEMENT SYSTEM

V:\PROJECTS\GLENDALE\PHASE 1, 2, 3\DWG\DRAWINGS\01 TITLE SHEET.DWG

USER BY	ISSUED NO	NO	DATE	REVISION	NO	DATE	REVISION
T. SHUPERT	19-001-20						
B. PREDTTER	SEPTEMBER 2017						

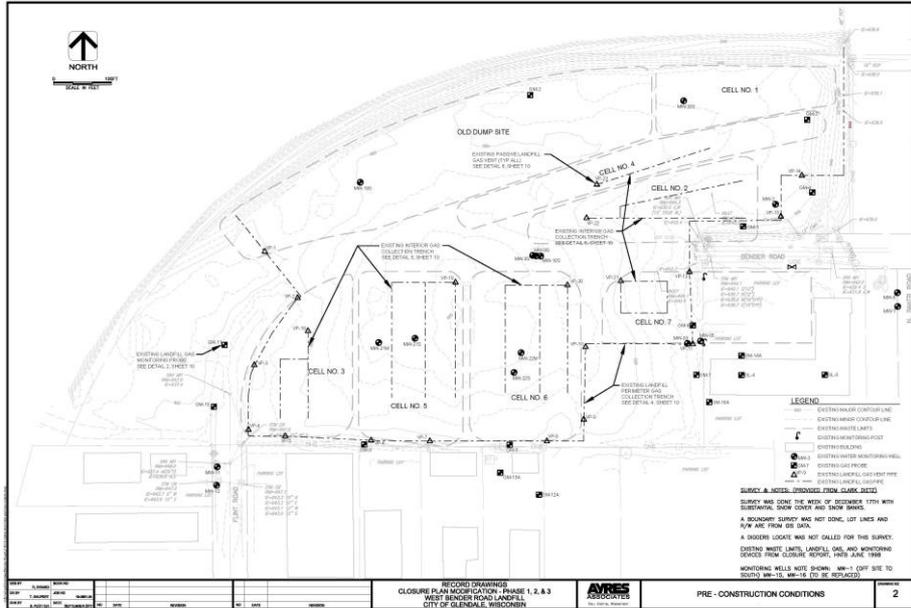
RECORD DRAWINGS
CLOSURE PLAN MODIFICATION - PHASE 1, 2, & 3
WEST BENDER ROAD LANDFILL
CITY OF GLENDALE, WISCONSIN



SITE LOCATION MAP

DRAWING NO
1

□ Seat wall drains



□ Amphitheater



CONSTRUCTION



CONSTRUCTION

- Community center vapor system installation



RESULTS



RESULTS

