

Plan Set

Sheet 1.	Cover Sheet
Sheet 2.	Existing Conditions
Sheet 18.	Maximum 5% Overfill Waste Grades



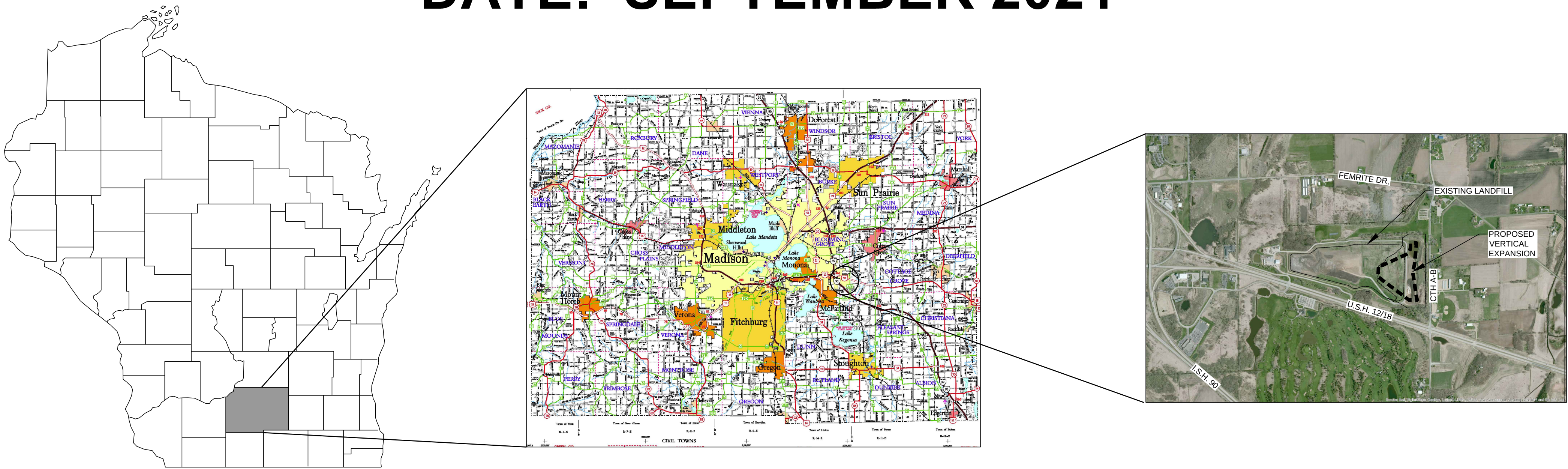
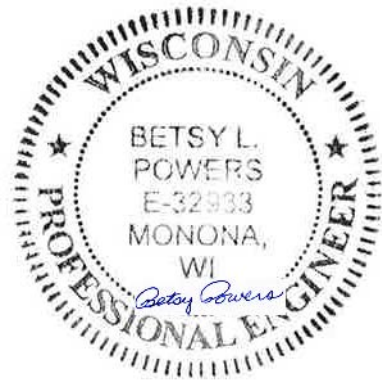
DANE COUNTY LANDFILL SITE NO. 2 (RODEFELD)

FEASIBILITY REPORT ADDENDUM NO. 1 - EASTERN VERTICAL EXPANSION

PREPARED FOR: DANE COUNTY DEPARTMENT OF WASTE & RENEWABLES
MADISON, WISCONSIN

PREPARED BY: SCS ENGINEERS
MADISON, WISCONSIN

DATE: SEPTEMBER 2021



WISCONSIN

DANE COUNTY MAP

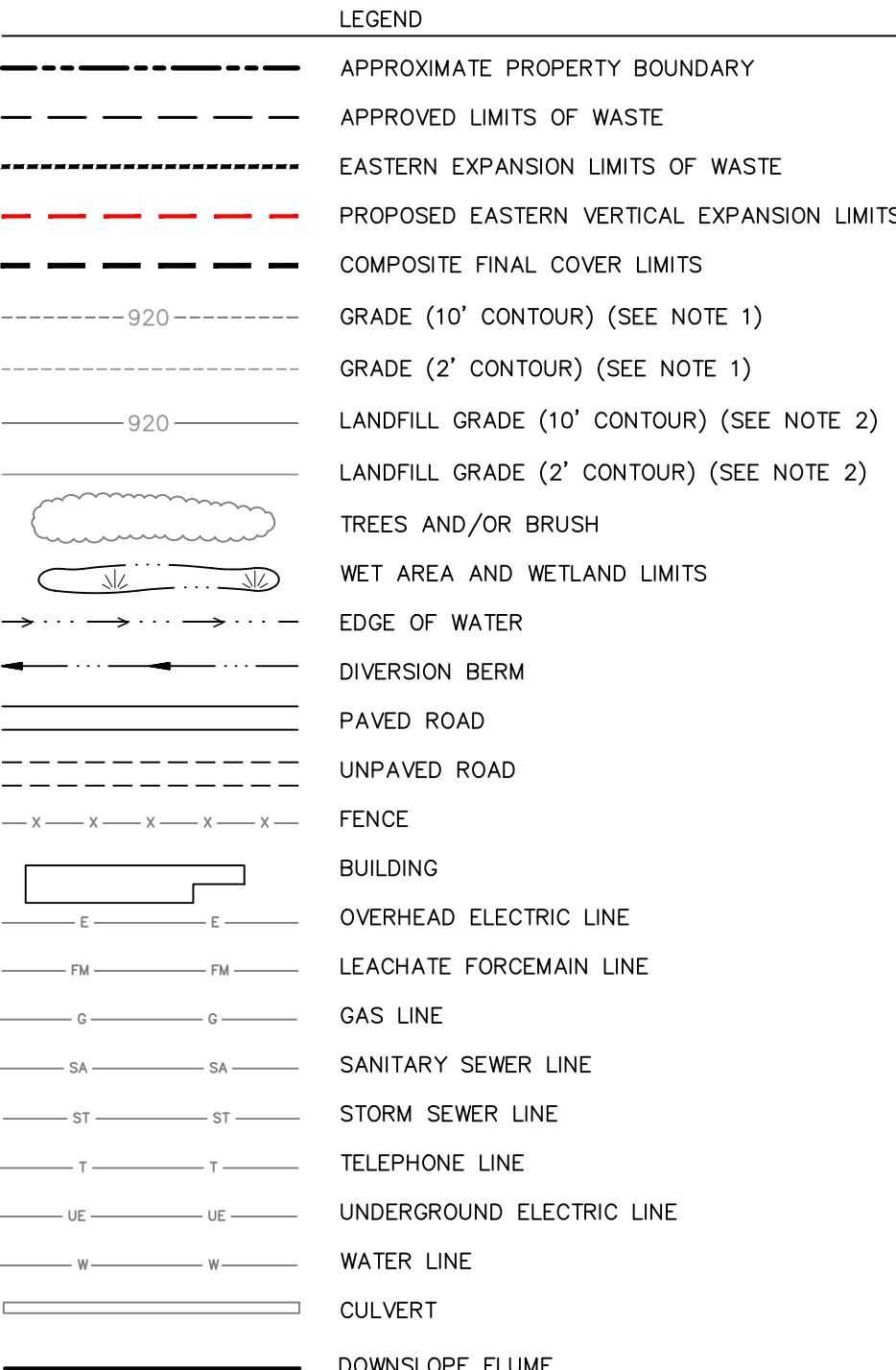
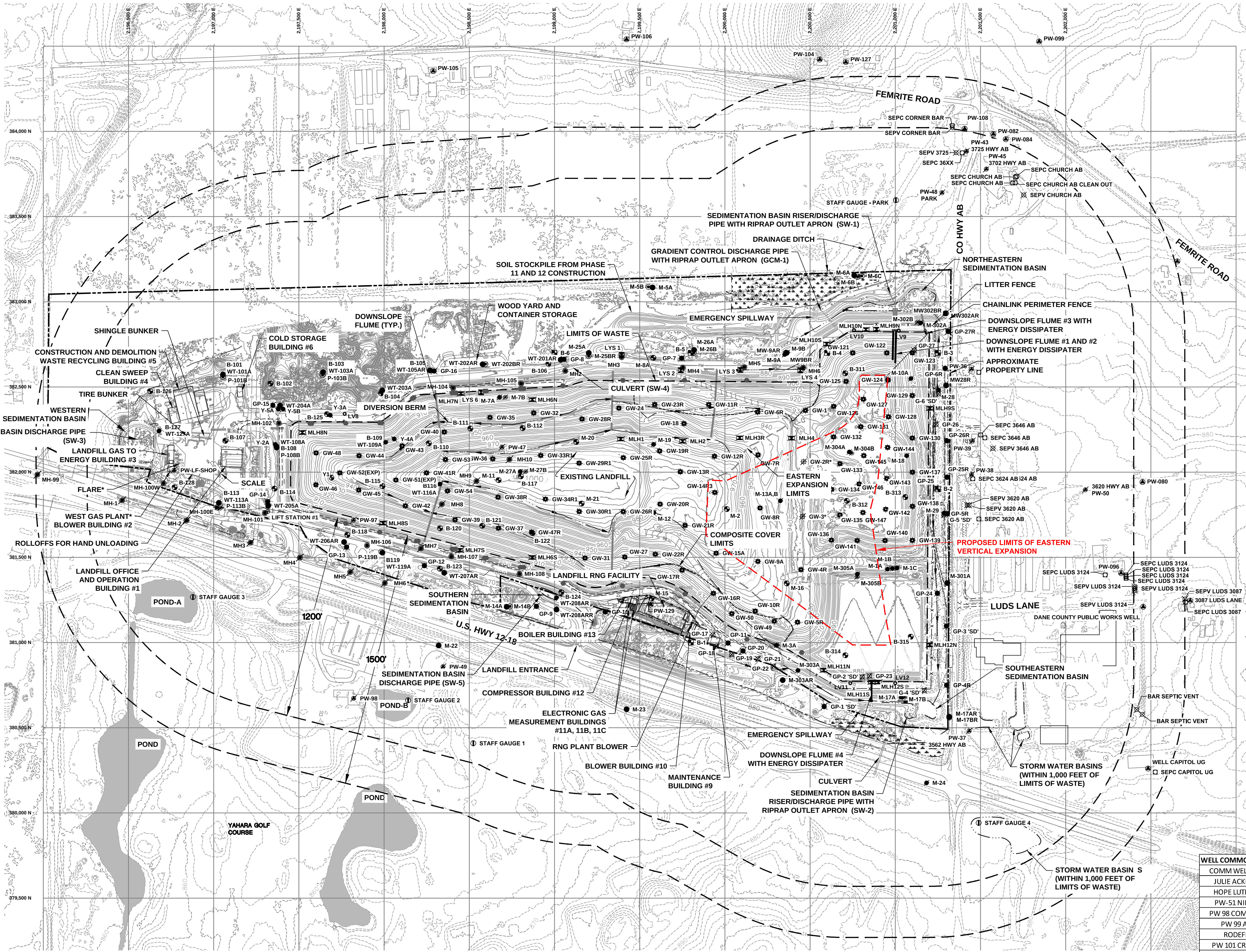
SITE LOCATOR

SHEET INDEX

SHEET NO.	DRAWING TITLE
1	COVER SHEET
2	EXISTING CONDITIONS
3	HIGH WATER TABLE MAP (JUNE 2008)
4	LOW WATER TABLE MAP (DECEMBER 2012)
5	GEOLOGIC CROSS SECTION B-B'
6	GEOLOGIC CROSS SECTION C-C'
7	GEOLOGIC CROSS SECTION C-C' (CONTINUED)
8	GEOLOGIC CROSS SECTION D-D'
9	GEOLOGIC CROSS SECTION D-D' (CONTINUED)
10	GEOLOGIC CROSS SECTION E-E'
11	GEOLOGIC CROSS SECTION F-F'
12	GEOLOGIC CROSS SECTION I-I'
13	GEOLOGIC CROSS SECTION J-J'
14	GEOLOGIC CROSS SECTION K-K'
15	APPROVED SUBBASE GRADES
16	APPROVED BASE GRADES-LEACHATE COLLECTION SYSTEM
17	FINAL COVER WITH CLOSURE PHASES
18	MAXIMUM 5% OVERFILL WASTE GRADES

NOTE: SHEETS SHOWN IN BOLD ARE INCLUDED IN ADDENDUM NO. 1

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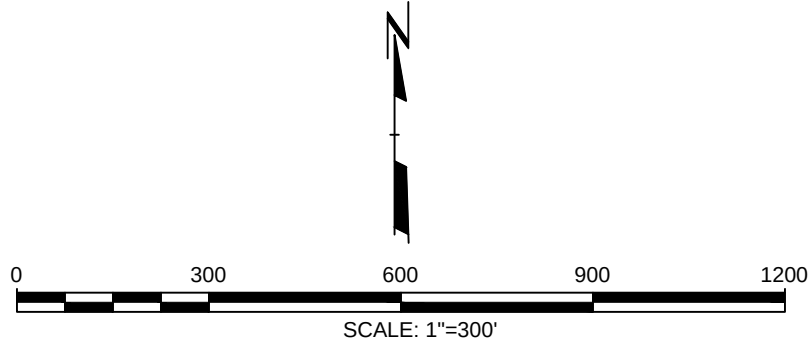
- B-1 SURVEY CONTROL MONUMENT
- M-26A WATER TABLE WELL LOCATION
- M-26B PIEZOMETER LOCATION
- M-2 BORING LOCATION
- GP-11 GAS MONITORING PROBE LOCATION
- GP-3'SD' GAS MONITORING PROBE LOCATION (SHALLOW AND DEEP 2-DEPTHS)
- PW-49 PRIVATE WELL LOCATION
- LYS 1 LYSMETER LOCATION
- MH3 MANHOLE LOCATION
- MLH3R LEACHATE HEADWELL ACCESS POINT
- LV8 LEACHATE VAULT
- GW-11 GAS EXTRACTION WELL
- STAFF GAUGE 4 STAFF GAUGE LOCATION
- SEPC SEPTIC COVER
- SEPV SEPTIC VENT
- PW-47 LIFT STATION
- M-13A ABANDONED PRIVATE WELL LOCATION
- M-7B ABANDONED MONITORING WELL LOCATION
- MH4 ABANDONED MANHOLE LOCATION
- GP-4 ABANDONED GAS MONITORING PROBE LOCATION
- GW-11 ABANDONED GAS EXTRACTION WELL
- INACTIVE MONITORING POINT

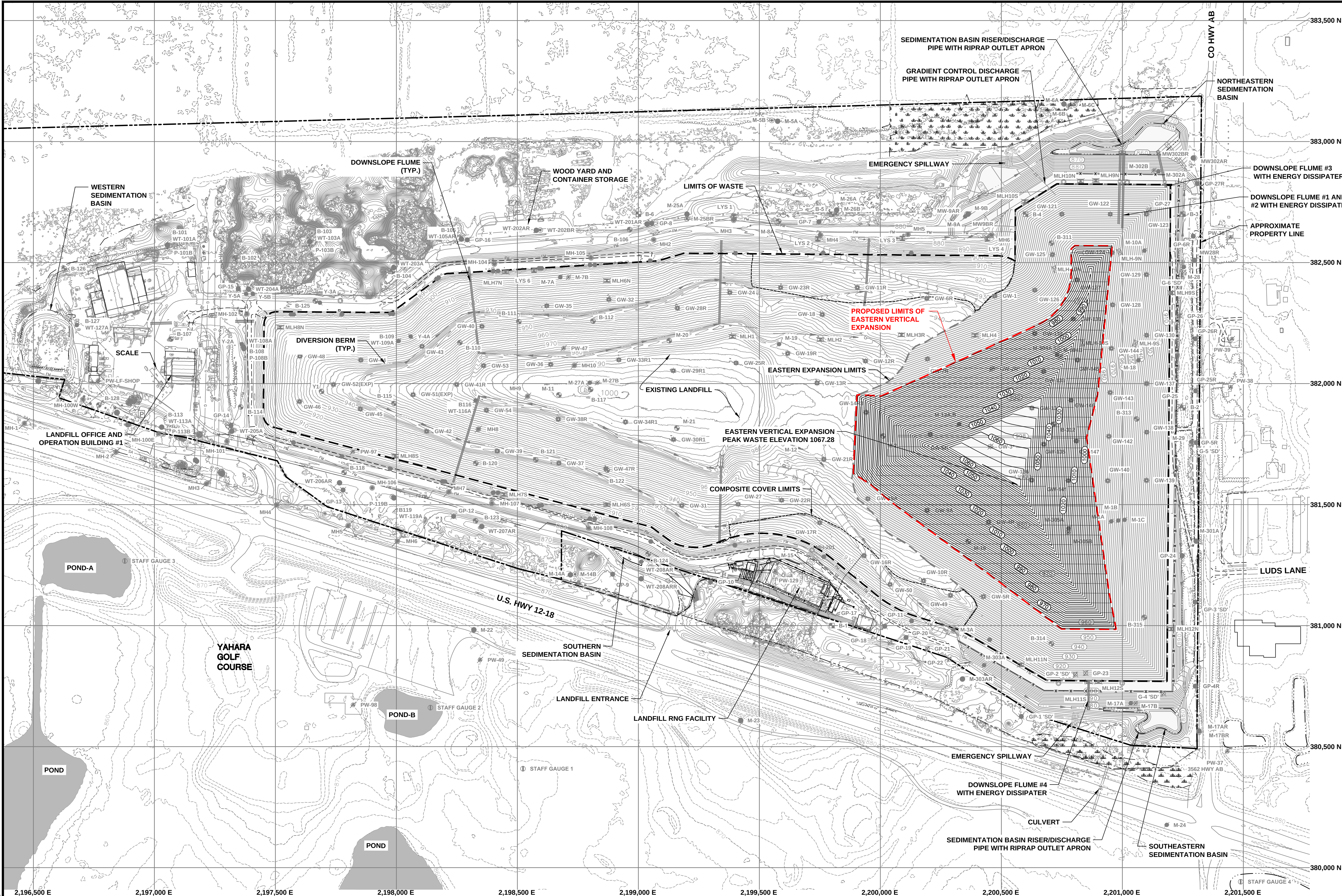
NOTES:

- DASHED CONTOURS BASED ON TOPOGRAPHIC INFORMATION OBTAINED FROM DANE COUNTY LAND INFORMATION OFFICE, MADISON, WI., TWO FOOT CONTOURS DATED 2017.
- EXISTING LANDFILL TOPOGRAPHY AT 2' CONTOUR INTERVAL PROVIDED BY DANE COUNTY DRONE FLIGHT OF 11-04-20.
- PROPERTY BOUNDARY BASED ON CSM PREPARED BY AYRES ASSOCIATES, INC. DATED AUGUST 6, 2020.
- HORIZONTAL DATUM IS BASED ON NAD27 WISCONSIN STATE PLANE COORDINATE SYSTEM.
- ELEVATIONS ARE BASED ON USGS MEAN SEA LEVEL (MSL) DATUM. TOPOGRAPHIC CONTOUR INTERVAL IS 2 FEET.
- SEPTIC SYSTEMS BASED ON EXISTING CONDITIONS PLAN SHEET FROM THE DANE COUNTY LANDFILL SITE NO. 2 EASTERN EXPANSION PLAN OF OPERATION REPORT PREPARED BY TRC, DATED MARCH 2014.
- UPDATES TO SOME MONITORING POINTS WILL BE COORDINATED WITH WDNr FOR WDNr'S GROUNDWATER AND ENVIRONMENTAL MONITORING SYSTEM (GEMS) DATABASE, AND FINAL UPDATES WILL BE PRESENTED IN THE PLAN OF OPERATION DRAWINGS AND SAMPLING PLAN FIGURE.

HORIZONTAL AND VERTICAL CONTROL POINT LOCATIONS			
NAME	NORTHING STATE PLANE (FEET)	EASTING STATE PLANE (FEET)	ELEVATION (FT-MSL)
B-1	381,000.00	2,199,800.00	901.440
B-2	381,900.00	2,201,250.00	907.350
B-3	382,700.00	2,201,250.00	880.750
B-4	382,700.00	2,200,600.00	877.930
B-5	382,700.00	2,199,800.00	869.000
B-6	382,700.00	2,199,000.00	861.450

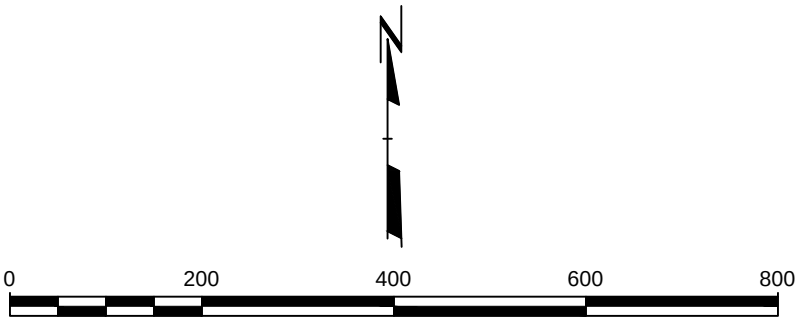
WELL COMMON NAME	WDNR ID
COMM WELL REPLA	080
JULIE ACKER REP	082
HOPE LUTHERAN	084
PW-51 NIEBUHR	096
PW 98 COMM WELL	098
PW 99 ALAR	099
RODEFELD	100
PW 101 CROSS RD	101
PITCHER	102
MATHEWS	103
PW 104 S GUNDL	104
PW 105 SUTER	105
PW 106 R GUNDLA	106
PW 107 ACKER	107
DANE CO OFFICE	108
PW109 HOPELUTH	109
LEONHARDT	110
LANDFILL WELL	111
HOPE PARK	112
GOLF COURSE	113
ANDERSON	127
GAS PLANT WELL	129





- LEGEND
- APPROXIMATE PROPERTY BOUNDARY
 - APPROVED LIMITS OF WASTE
 - EXISTING EASTERN EXPANSION LIMITS
 - PROPOSED EASTERN VERTICAL EXPANSION LIMITS
 - EXISTING COMPOSITE FINAL COVER LIMITS
 - EXISTING GRADE (10' CONTOUR)
 - EXISTING GRADE (2' CONTOUR)
 - EXISTING LANDFILL FINAL GRADE (10' CONTOUR)
 - EXISTING LANDFILL FINAL GRADE (2' CONTOUR)
 - APPROVED FINAL GRADE (10' CONTOUR)
 - APPROVED FINAL GRADE (2' CONTOUR)
 - PROPOSED MAXIMUM 5% OVERFILL GRADE (10' CONTOUR)
 - PROPOSED MAXIMUM 5% OVERFILL GRADE (2' CONTOUR)
 - EXISTING TREES AND/OR BRUSH
 - EXISTING WET AREA AND WETLAND LIMITS
 - EXISTING DIVERSION BERM
 - EXISTING PAVED ROAD
 - EXISTING UNPAVED ROAD
 - EXISTING FENCE
 - EXISTING BUILDING
 - EXISTING CULVERT
 - EXISTING DOWNSLOPE FLUME

- NOTE:
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