

Attachment A – Pre-application Notification

From: [Welch, John](#)
To: ["DeMarb, Denise"](#)
Cc: ["Parks, Timothy"; Tucker, Matthew](#)
Subject: Dane County biogas project - notification for City Zoning and Planning application
Date: Tuesday, November 21, 2017 3:13:11 PM
Attachments: [Conceptual Site Plan Labelled.pdf](#)
[CAE170171_Dane_County_1_Annotated_3.pdf](#)
[overview.jpg](#)

Hi Alder DeMarb,

I am writing to you about our proposed biogas project at the landfill, which you and I had talked about when we last met about a month ago. If you recall, this project will allow us clean up all of our landfill gas to pure methane so it can be used for vehicle fuel, either locally or (via a pipeline) anywhere in the Continental United States. We had a preliminary meeting with City Zoning and Planning staff about the City approval process for this project. They indicated that this project will require City approval as a modification to our site's existing Conditional Use. As such, we must inform you of the project a minimum of 30 days before we submit our application for this project. Please consider this email our official notification.

We are in the middle of our project design, and we have a preliminary site layout. I have attached this information, although it is not finalized yet. For reference on the layout drawing, the main "driveway" shown on the drawing is the main landfill entrance on 12/18. The second attachment is a rendering/3D drawing of just the biogas cleaning equipment system. The third attachment is a photo of a similar facility that our contractor built this summer in Oklahoma.

Please contact me if you would like to discuss this project further.

Respectfully,
John Welch, P.E.
Solid Waste Manager
Dane County Public Works, Solid Waste Division
cell: 608-516-4154

Attachment B – Legal Description

SURVEYORS CERTIFICATE

I, RODERICK D. STEEGE, REGISTERED LAND SURVEYOR FOR AECOM, DO HEREBY CERTIFY THAT BY THE ORDER OF DANE COUNTY HIGHWAY DEPARTMENT AND DANE COUNTY PUBLIC WORKS DEPARTMENT, I HAVE MADE A SURVEY OF LANDS IN PART OF THE NE 1/4 OF NE 1/4, PART OF THE SE 1/4 OF THE NE 1/4, PART OF THE NW 1/4 OF THE NE 1/4, PART OF THE SW 1/4 OF THE NE 1/4, PART OF THE NE 1/4 OF THE NW 1/4 AND PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 25, TOWNSHIP 7 NORTH, RANGE 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN DESCRIBED AS FOLLOWS:

PARCEL "A-1"

COMMENCING AT A CITY OF MADISON MONUMENT AT THE NORTHEAST CORNER OF SAID SECTION 25,
THENCE S 88°25'08" W ALONG THE NORTH LINE OF THE NE 1/4, 2667.85 FEET TO THE NORTH QUARTER CORNER OF SAID SECTION 25 (NOT MONUMENTED);
THENCE S 88°29'22" W ALONG THE NORTH LINE OF THE NW 1/4, 1330.53 FEET TO AN EXISTING IRON PIPE, RECORDED AS S 88°05'16" W, 1330.58 FEET TO THE NORTHEAST CORNER OF THE NW 1/4 OF THE NW 1/4 OF SAID SECTION 25;
THENCE S 0°26'36" W, 452.86 FEET TO AN EXISTING 1 INCH IRON PIPE, BEING A POINT ON THE NORTH LINE OF A SURVEY BY THOMAS GRENLIE, DATED NOVEMBER 4, 1993, RECORDED AS S 0°01'26" W, 451.57 FEET;
THENCE N 88°26'09" E ALONG SAID NORTH LINE, 1331.67 FEET TO AN EXISTING 1 INCH IRON PIPE, RECORDED AS N 88°01'54" E, 1330.92 FEET;
THENCE N 88°22'49" E ALONG SAID NORTH LINE, 1805.70 FEET TO AN EXISTING 1 INCH IRON PIPE, RECORDED AS N 87°58'29" E, 1806.09 FEET;
THENCE N 57°59'35" E ALONG SAID NORTH LINE, 650.04 FEET TO AN EXISTING IRON PIPE, RECORDED AS N 57°35'20" E, 650.00 FEET;
THENCE S 29°36'38" E, 224.19 FEET, AN EXISTING 1 INCH IRON PIPE BEARS S 29°36'38" E, 0.78 FEET, RECORDED AS S 30°E, 225 FEET MORE OR LESS TO A POINT OF INTERSECTION WITH A LINE THAT IS PARALLEL TO, AND 200 FEET WEST OF, MEASURED AT RIGHT ANGLES TO THE EAST LINE OF THE SAID NORTHEAST 1/4;
THENCE S 0°23'43" W, 1000.85 FEET, RECORDED AS 1000.00 FEET MORE OR LESS, ALONG A LINE THAT IS PARALLEL TO AND 200 FEET WEST OF, MEASURED AT RIGHT ANGLES TO, THE EAST LINE OF THE SAID NORTHEAST 1/4, TO THE SOUTH LINE OF THE NORTH 1/2 OF THE NORTHEAST 1/4;
THENCE N 88°20'33" E, 200.13 FEET TO THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 25;
THENCE N 0°23'43" E, 1319.58 FEET ALONG SAID EAST LINE, RECORDED AS 1340 FEET MORE OR LESS, TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINS 42.723 ACRES (1861024 SQUARE FEET), MORE OR LESS. SUBJECT TO ANY AND ALL RESTRICTIONS AND/OR EASEMENTS OF RECORD.

PARCEL "B-1"

COMMENCING AT A CITY OF MADISON MONUMENT AT THE NORTHEAST CORNER OF SAID SECTION 25,
THENCE S 0°23'43" W, 1344.33 FEET TO A POINT 24.75 FEET SOUTH OF THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER AND THE POINT OF BEGINNING;
THENCE S 88°20'33" W, 200.13 FEET;
THENCE S 0°23'43" W, 725.25 FEET;
THENCE N 89°36'17" W, 400.00 FEET;
THENCE S 0°23'43" W, 400.00 FEET;
THENCE N 71°50'06" W, 492.74 FEET;
THENCE S 57°00'53" E, 439.54 FEET;
THENCE S 72°25'09" E, 410.47 FEET;
THENCE S 87°07'22" E, 275.30 FEET TO THE WESTERLY RIGHT OF WAY LINE OF CTH "A" (BRANDT ROAD);
THENCE N 54°10'05" E, 39.31 FEET TO THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 25;
THENCE N 0°23'56" E ALONG SAID EAST LINE, 33.92 FEET TO THE EAST QUARTER CORNER OF SAID SECTION 25;
THENCE N 0°23'43" E, 1294.84 FEET ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 25, TO THE POINT OF BEGINNING.

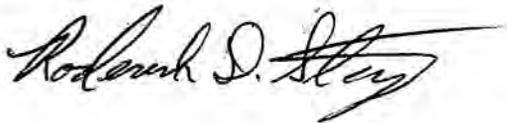
SAID PARCEL CONTAINS 12.217 ACRES (532191 SQUARE FEET), MORE OR LESS. SUBJECT TO ANY AND ALL RESTRICTIONS AND/OR EASEMENTS OF RECORD.

PARCEL "C-1"

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 25;
THENCE S 0°23'56" W, 33.92 FEET ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 25;
THENCE S 54°10'05" W, 39.31 FEET TO THE WESTERLY RIGHT OF WAY LINE OF CTH "A" (BRANDT ROAD) AND THE POINT OF BEGINNING;
THENCE N 87°07'22" W, 275.30 FEET;
THENCE N 72°25'09" W, 410.47 FEET;
THENCE N 57°00'53" W, 439.54 FEET;
THENCE N 71°50'06" W, 1675.23 FEET TO THE NORTH-SOUTH QUARTER LINE OF SAID SECTION 25;
THENCE S 0°02'39" E ALONG SAID NORTH-SOUTH QUARTER LINE, 201.01 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF USH 12-18, WISCONSIN DEPARTMENT OF TRANSPORTATION RIGHT OF WAY PLAT NUMBER 3080-00-21;
THENCE S 76°01'16" E, 183.75 FEET, RECORDED AS S 76°21'53" E, 183.80 FEET;
THENCE S 72°00'12" E, 503.14 FEET, RECORDED AS S 72°26'09" E, 503.14 FEET;
THENCE S 74°23'06" E, 300.27 FEET, RECORDED AS S 74°45'47" E, 300.25 FEET;
THENCE S 69°42'26" E, 300.27 FEET, RECORDED AS S 70°06'30" E, 300.25 FEET;
THENCE S 72°01'51" E, 296.85 FEET, RECORDED AS S 72°26'09" E, 296.86 FEET;
THENCE S 64°11'45" E, 403.85 FEET, RECORDED AS S 64°36'24" E, 403.76 FEET;
THENCE S 72°03'37" E, 424.91 FEET, RECORDED AS S 72°26'09" E, 424.94 FEET;
THENCE N 88°14'54" E, 241.70 FEET, RECORDED AS N 87°51'54" E, 241.68 FEET;
THENCE N 54°10'05" E, 132.08 E, RECORDED AS N 53°47'05" E, 132.08 FEET
POINT OF BEGINING.

SAID PARCEL CONTAINS 9.588 ACRES (417657 SQUARE FEET), MORE OR LESS. SUBJECT TO ANY AND ALL RESTRICTIONS AND/OR EASEMENTS OF RECORD.

I HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE LANDS DESCRIBED HEREON AND THAT THIS MAP IS A TRUE REPRESENTATION THEREOF, AND THAT I HAVE COMPLIED WITH CHAPTER AE 7 OF THE WISCONSIN ADMINISTRATIVE CODE TO THE BEST OF MY KNOWLEDGE AND BELIEF.



DATE: 02/13/2014

RODERICK D. STEEGE
REGISTERED LAND SURVEYOR NO. 1761

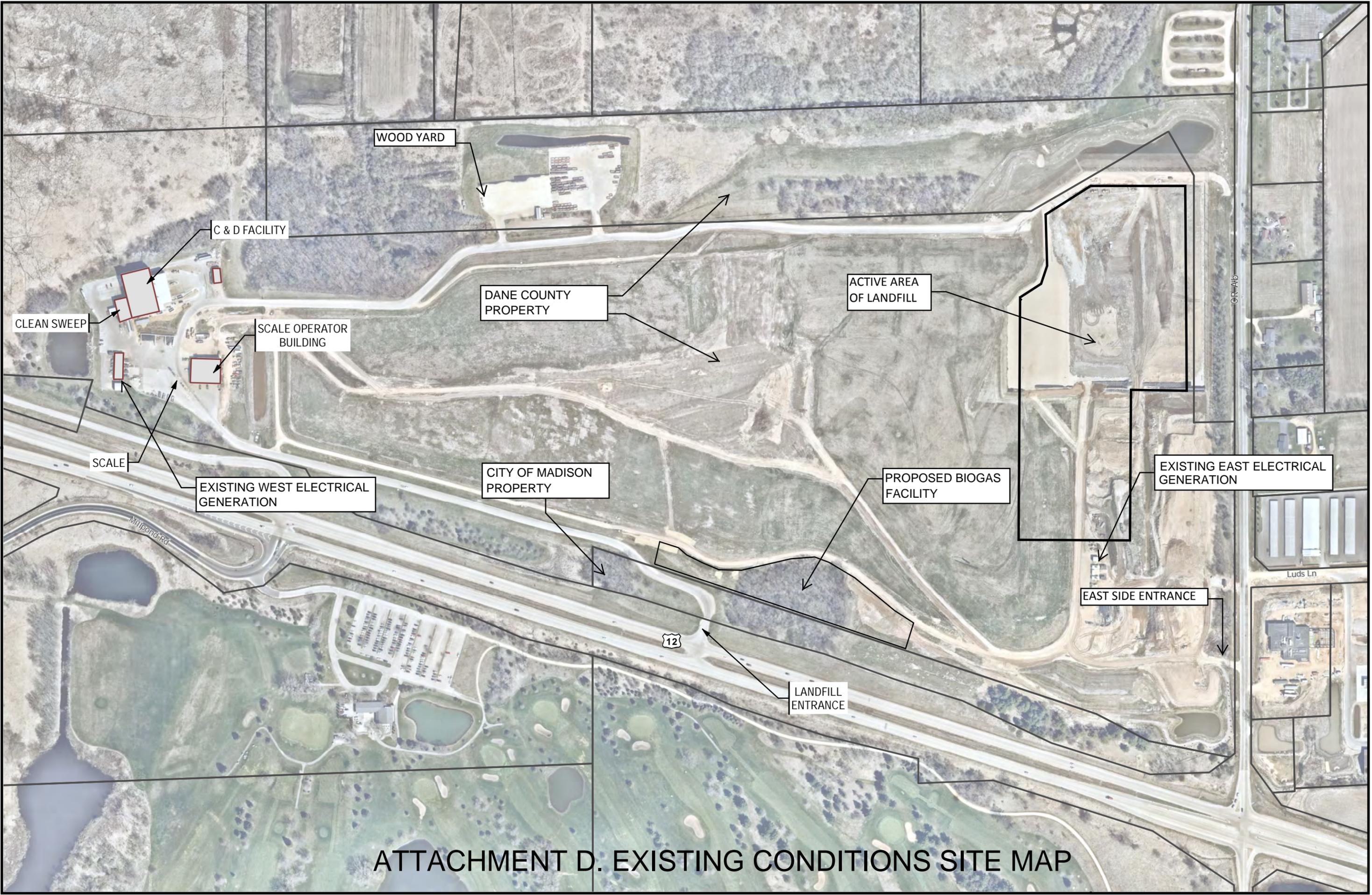


Attachment C – Vicinity Map



Attachment C – Vicinity Map

Attachment D – Existing Conditions Site Plan



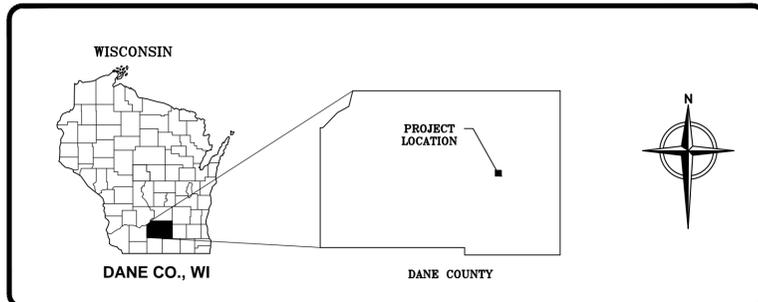
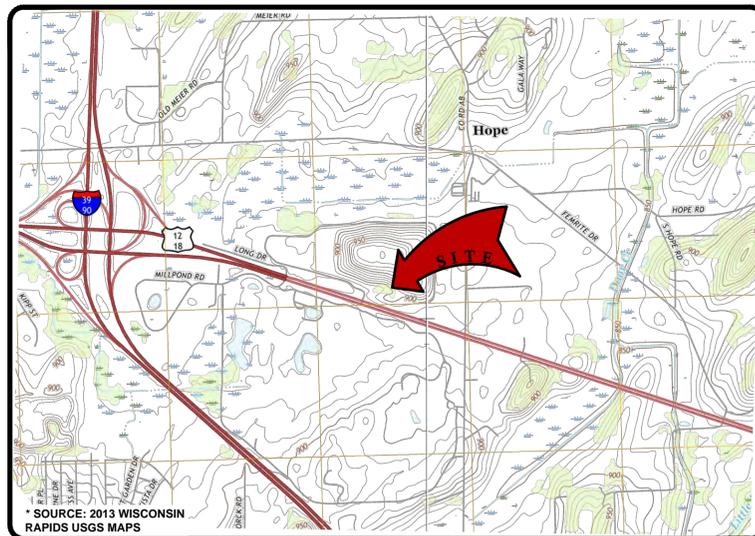
ATTACHMENT D. EXISTING CONDITIONS SITE MAP

Attachment E – Development Plan Set

LAND USE APPLICATION PLANS FOR THE
**DANE COUNTY NO. 2 (RODEFELD) LANDFILL
 RENEWABLE NATURAL GAS FACILITY**

PREPARED FOR:
**DANE COUNTY DEPARTMENT OF PUBLIC WORKS
 SOLID WASTE DIVISION
 MADISON, WISCONSIN**

JANUARY 2018



LOCATION MAP



PREPARED BY:



8413 EXCELSIOR DRIVE
 SUITE 160
 MADISON, WISCONSIN, 53717
 Tel: (877) 633-5520

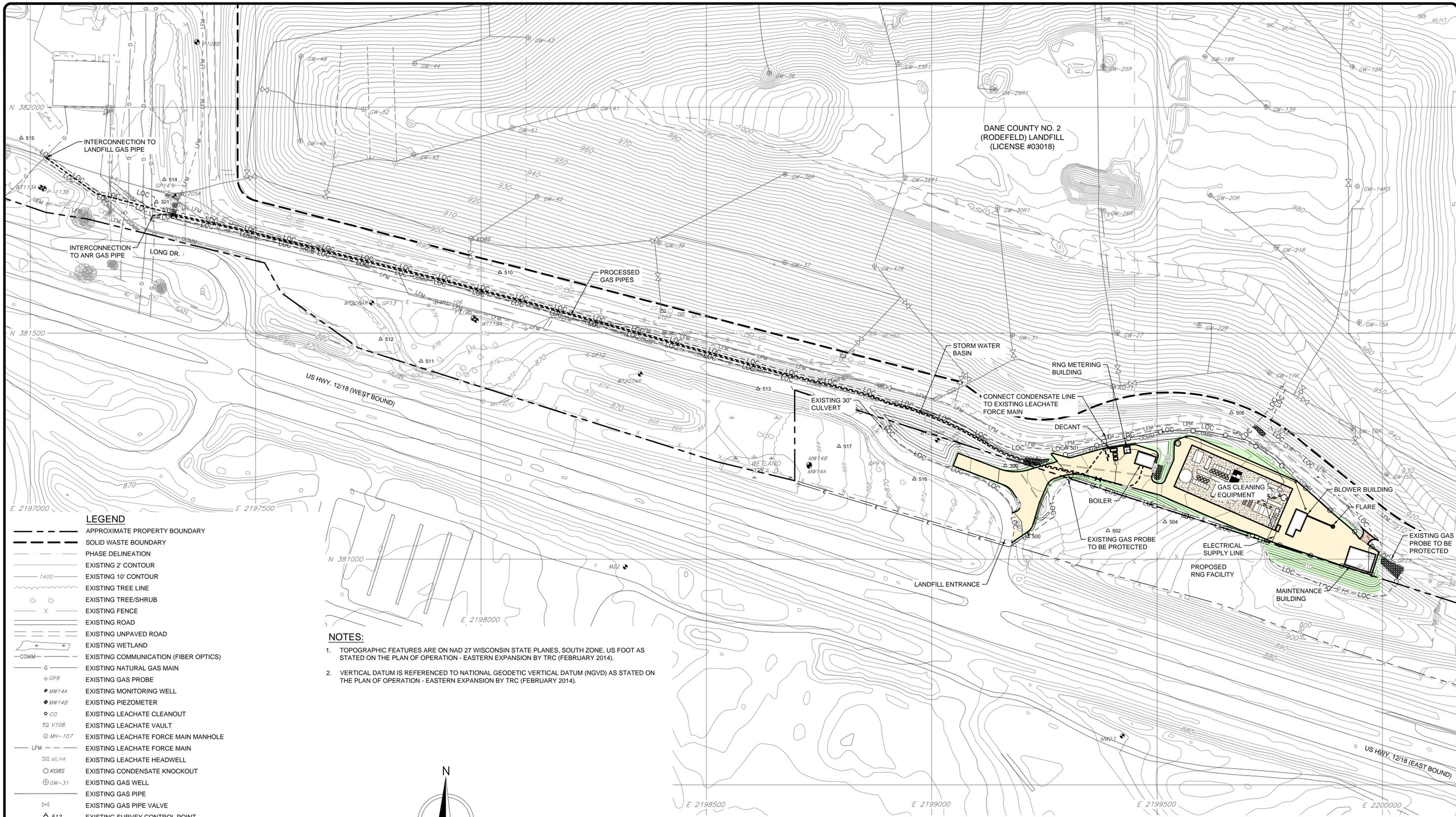
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SHEET INDEX

00	TITLE SHEET	REV. 0
01	OVERALL PROJECT SITE PLAN	REV. 0
02	SITE PLAN	REV. 0
03	SITE PLAN WITH DIMMENSIONS	REV. 0
04	SITE PLAN WITH TRAFFIC FLOW	REV. 0
05	GRADING PLAN	REV. 0
06	UTILITY PLAN	REV. 0
07	FIRE ACCESS PLAN	REV. 0
S000	STRUCTURAL GENERAL NOTES, SYMBOLS AND ABBREVIATIONS	REV. 0
S100	BLOWER BUILDING FOUNDATION PLAN	REV. 0
S101	METERING BUILDING FOUNDATION PLAN	REV. 0
S102	BOILER BUILDING AND DECANT FOUNDATION PLAN	REV. 0
S103	MAINTENANCE BUILDING FOUNDATION PLAN	REV. 0
S110	BLOWER BUILDING FRAMING PLAN	REV. 0
S111	METERING BUILDING FRAMING PLAN	REV. 0
S112	BOILER BUILDING FRAMING PLAN	REV. 0
S113	MAINTENANCE BUILDING FRAMING PLAN	REV. 0
S200	BLOWER BUILDING ELEVATIONS	REV. 0
S201	METERING BUILDING ELEVATIONS	REV. 0
S202	BOILER BUILDING ELEVATIONS	REV. 0
S203	MAINTENANCE BUILDING ELEVATIONS	REV. 0
S300	FOUNDATION DETAILS	REV. 0
S301	FOUNDATION DETAILS	REV. 0
S400	DOOR DETAILS AND SCHEDULE	REV. 0
S500	FRAMING DETAILS	REV. 0
S501	FRAMING DETAILS	REV. 0
E001	SITE PHOTOMETRIC PLAN	REV. 0
E050	SITE PLAN - ELECTRIC	REV. 0
L101	LANDSCAPING PLAN	REV. 0
L102	LANDSCAPE DETAILS	REV. 0

ISSUED FOR REVIEW

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DANE COUNTY NO. 2
(RODEFELD) LANDFILL
(LICENSE #03018)

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- SOLID WASTE BOUNDARY
- PHASE DELINEATION
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- EXISTING FENCE
- EXISTING ROAD
- EXISTING UNPAVED ROAD
- EXISTING WETLAND
- COMM --- EXISTING COMMUNICATION (FIBER OPTICS)
- G --- EXISTING NATURAL GAS MAIN
- GP9 --- EXISTING GAS PROBE
- MW14A --- EXISTING MONITORING WELL
- MW14B --- EXISTING PIEZOMETER
- CO --- EXISTING LEACHATE CLEANOUT
- V108 --- EXISTING LEACHATE VAULT
- MH-107 --- EXISTING LEACHATE FORCE MAIN MANHOLE
- LFM --- EXISTING LEACHATE FORCE MAIN
- MLH4 --- EXISTING LEACHATE HEADWELL
- KOBS --- EXISTING CONDENSATE KNOCKOUT
- GW-31 --- EXISTING GAS WELL
- EXISTING GAS PIPE
- EXISTING GAS PIPE VALVE
- 512 --- EXISTING SURVEY CONTROL POINT
- EXISTING ELECTRIC MANHOLE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING TELEPHONE LINE
- LOC --- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED FENCE
- PROPOSED PAVED AREA
- PROPOSED CONCRETE PAD
- PROPOSED CRUSHED AGGREGATE BASE COURSE
- PROPOSED STEEP AREA (2.5:1 OR STEEPER)
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR

NOTES:

1. TOPOGRAPHIC FEATURES ARE ON NAD 27 WISCONSIN STATE PLANES, SOUTH ZONE, US FOOT AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
2. VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).



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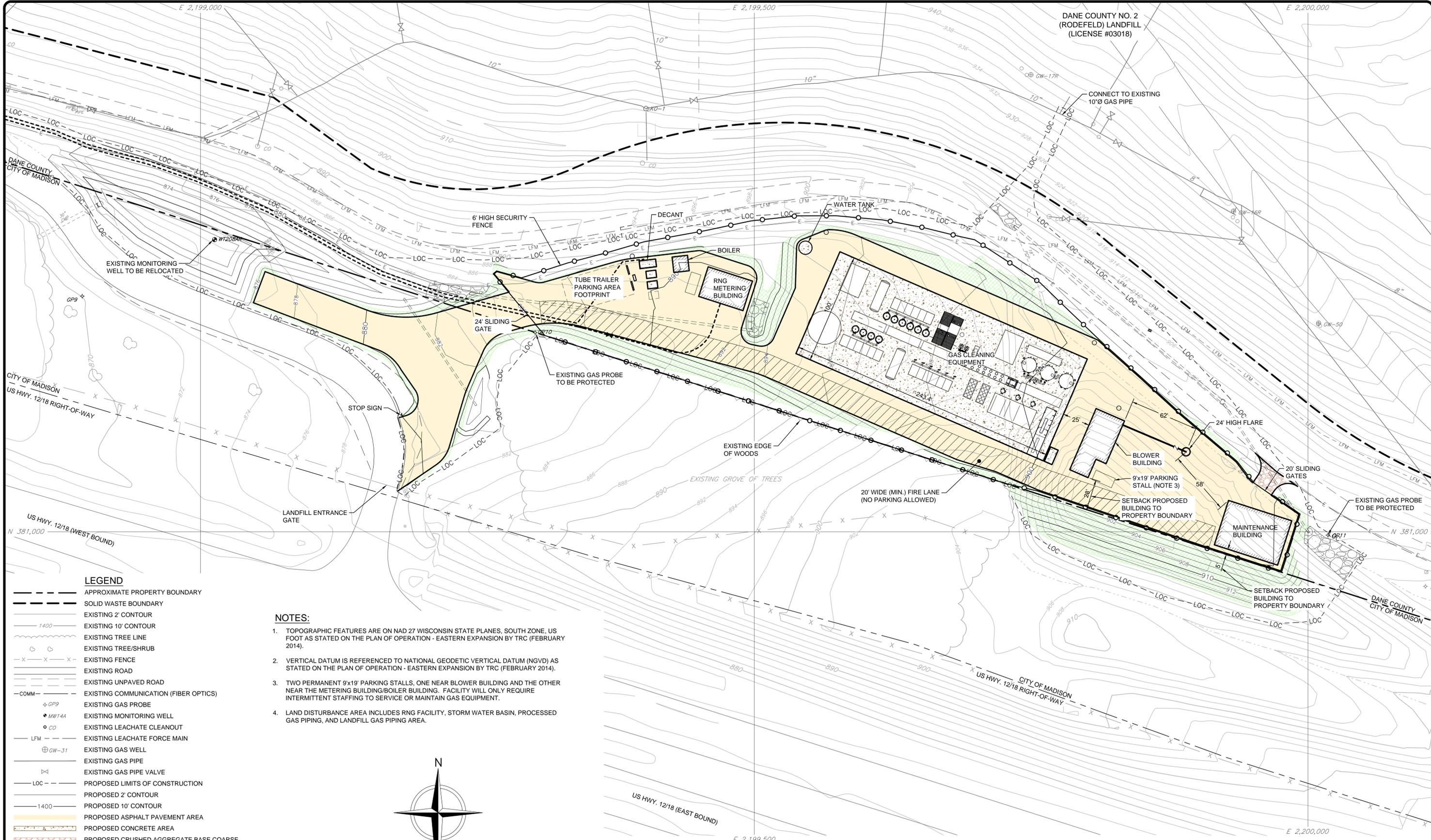


COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN

**DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
OVERALL PROJECT SITE PLAN**

SHEET NO.
01
PROJECT NO.
170651

DANE COUNTY NO. 2
(RODEFELD) LANDFILL
(LICENSE #03018)

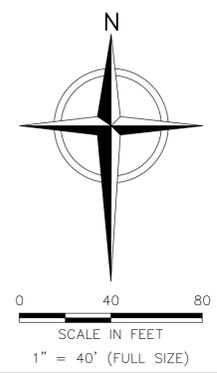


LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- SOLID WASTE BOUNDARY
- EXISTING 2' CONTOUR
- 1400 EXISTING 10' CONTOUR
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- X-X-X- EXISTING FENCE
- EXISTING ROAD
- EXISTING UNPAVED ROAD
- COMM- EXISTING COMMUNICATION (FIBER OPTICS)
- ◇ GP9 EXISTING GAS PROBE
- MW14A EXISTING MONITORING WELL
- CO EXISTING LEACHATE CLEANOUT
- LFM EXISTING LEACHATE FORCE MAIN
- ⊕ GW-31 EXISTING GAS WELL
- EXISTING GAS PIPE
- EXISTING GAS PIPE VALVE
- LOC --- PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED 2' CONTOUR
- 1400 PROPOSED 10' CONTOUR
- PROPOSED ASPHALT PAVEMENT AREA
- PROPOSED CONCRETE AREA
- PROPOSED CRUSHED AGGREGATE BASE COARSE
- PROPOSED STEEP AREA (2.5:1 OR 3:1)
- PROPOSED FENCE
- PROPOSED GAS PIPE
- PROPOSED STORM WATER PIPE
- PROPOSED RIP RAP

NOTES:

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2. VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
3. TWO PERMANENT 9x19' PARKING STALLS, ONE NEAR BLOWER BUILDING AND THE OTHER NEAR THE METERING BUILDING/BOILER BUILDING. FACILITY WILL ONLY REQUIRE INTERMITTENT STAFFING TO SERVICE OR MAINTAIN GAS EQUIPMENT.
4. LAND DISTURBANCE AREA INCLUDES RNG FACILITY, STORM WATER BASIN, PROCESSED GAS PIPING, AND LANDFILL GAS PIPING AREA.



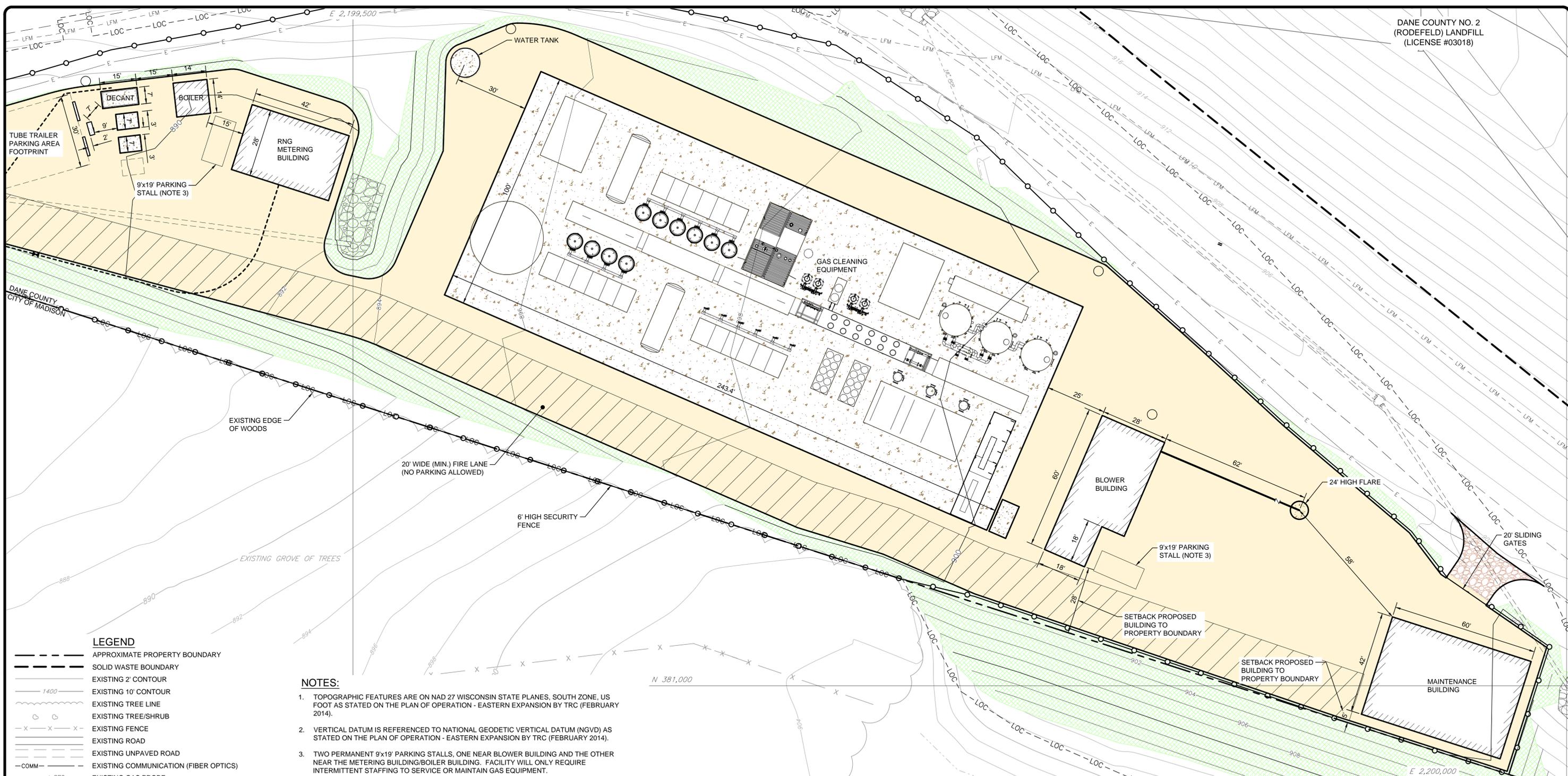
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
 RODEFELD LANDFILL
 DANE COUNTY, WISCONSIN
LAND USE APPLICATION
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
SITE PLAN

SHEET NO.
02
 PROJECT NO.
 170651



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- SOLID WASTE BOUNDARY
- EXISTING 2' CONTOUR
- 1400 EXISTING 10' CONTOUR
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- X X X X EXISTING FENCE
- EXISTING ROAD
- EXISTING UNPAVED ROAD
- COMM EXISTING COMMUNICATION (FIBER OPTICS)
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4. LAND DISTURBANCE AREA INCLUDES RNG FACILITY, STORM WATER BASIN, PROCESSED GAS PIPING, AND LANDFILL GAS PIPING AREA.

LAND USE SUMMARY TABLE		
IDENTIFIER	AREA (SQ. FT.)	DIMENSIONS
BLOWER BUILDING	1,500	42x28', 18x18'
RNG METERING BUILDING	1,176	42x28'
BOILER BUILDING	196	14x14'
GAS CLEANING EQUIPMENT	24,342	243.4' x 100'
MAINTENANCE BUILDING	2,520	60'x42'
PAVED AREA	62,197	N.A.
LANDSCAPE AREA	25,630	N.A.
STORM WATER BASIN	24,829	N.A.
LAND DISTURBANCE AREA (SEE NOTE 4)	221,000	N.A.



ISSUED FOR REVIEW

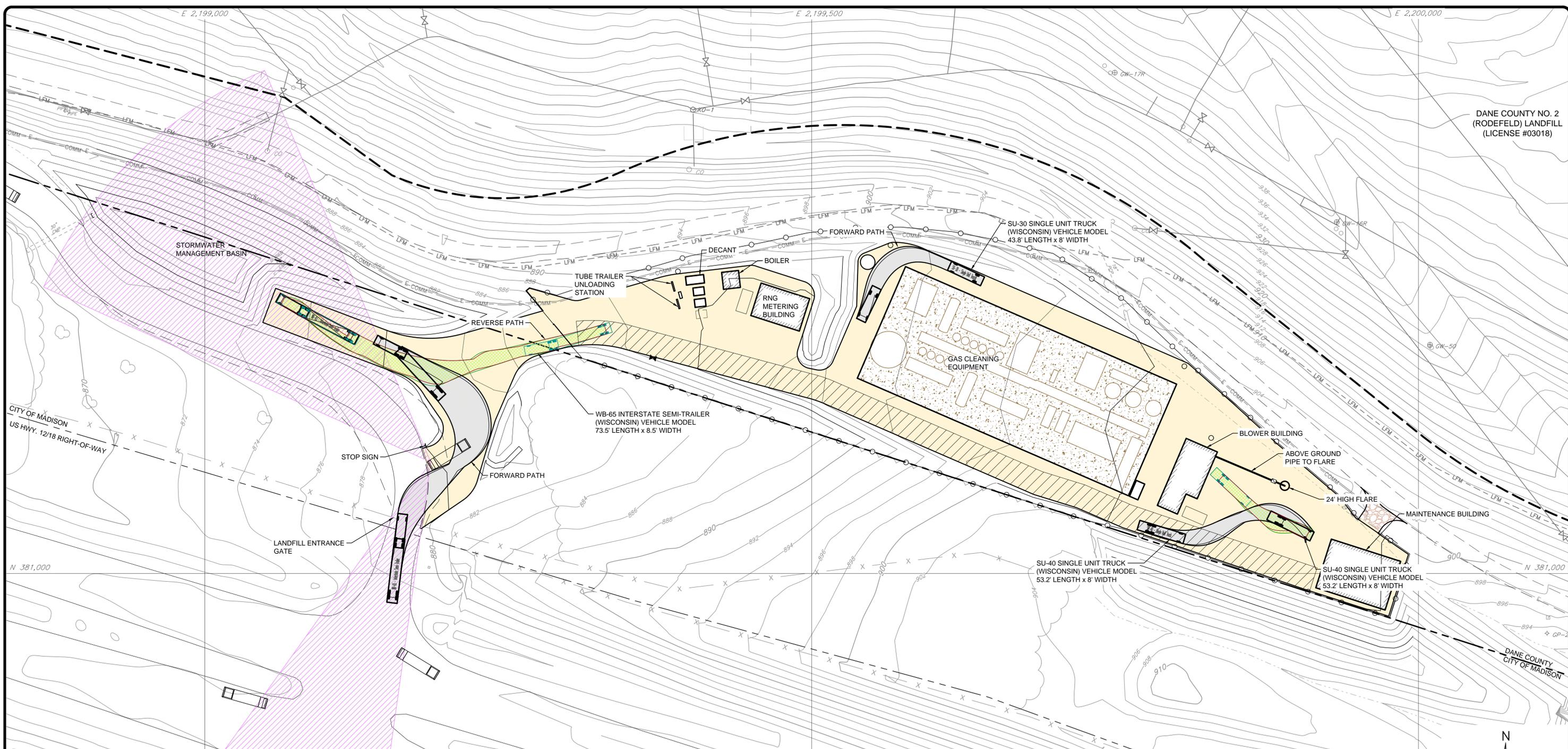
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
LAND USE APPLICATION
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
SITE PLAN WITH DIMENSIONS

SHEET NO.
03
PROJECT NO.
170651

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CITY OF MADISON
US HWY. 12/18 RIGHT-OF-WAY

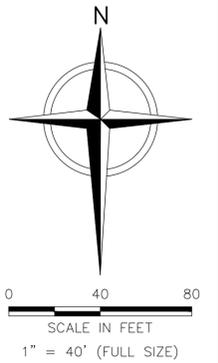
DANE COUNTY
CITY OF MADISON

LEGEND

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---	EXISTING 2' CONTOUR
---	EXISTING 10' CONTOUR
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---	EXISTING UNPAVED ROAD
---	EXISTING COMMUNICATION (FIBER OPTICS)
---	EXISTING LEACHATE CLEANOUT
---	EXISTING LEACHATE FORCE MAIN
---	EXISTING GAS WELL
---	EXISTING GAS PIPE
---	EXISTING GAS PIPE VALVE
---	PROPOSED 2' CONTOUR
---	PROPOSED 10' CONTOUR
---	PROPOSED FENCE
---	VISION TRIANGLE AREA
---	FORWARD PATH (BODY)
---	REVERSE PATH (BODY)

NOTES:

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- VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
- MODELING SOFTWARE USED FOR VEHICLE MODELING WAS AutoDESK VEHICLE TRACKING 2016.2.
- PROPOSED FACILITY DRIVEWAY CONNECTS TO AN EXISTING ACCESS ROAD TO THE LANDFILL. THERE IS A GATED ENTRANCE BETWEEN THE PROPOSED FACILITY DRIVEWAY AND STATE HIGHWAY 12/18.
- 15 MPH IS THE POSTED SPEED ON THE EXISTING ACCESS ROAD TO THE OFFICE AREA
- THE ABOVE VISION TRIANGLES ARE FROM VEHICLE 1 A DISTANCE OF 350-FEET.
- STOPPING SIGHT DISTANCE FOR DESIGN SPEED OF 15 MPH IS 80-FEET. SOURCE: AASHTO, A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (2001) 4TH EDITION, EXHIBIT 3-1. STOPPING SITE DISTANCE.



ISSUED FOR REVIEW

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE: 1/16/2018
 DRAWN BY: SRC
 DESIGNED BY: SRC/BB
 CHECKED BY: CLD
 APPROVED BY: MJT



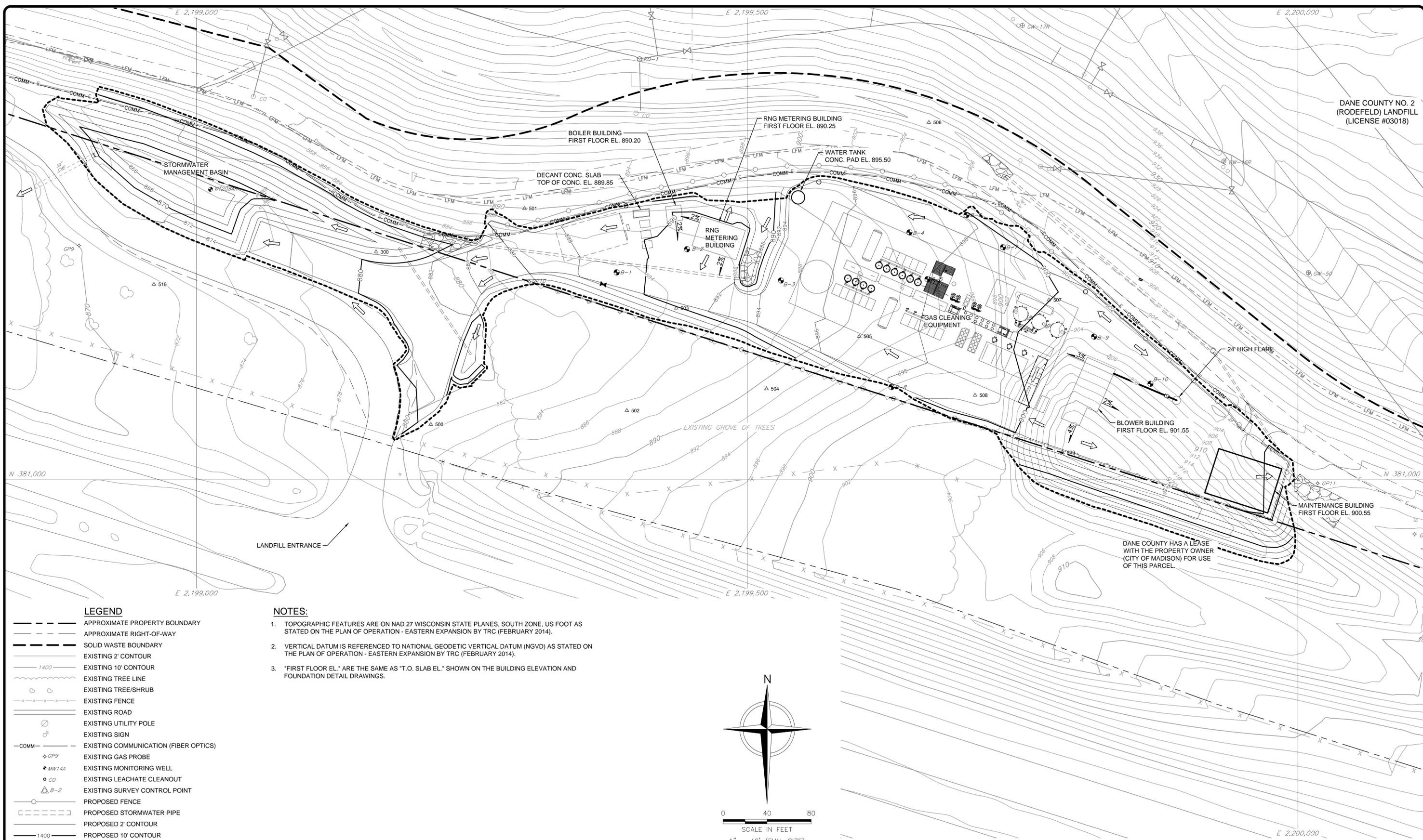
COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN

**DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
SITE PLAN WITH TRAFFIC FLOW**

SHEET NO.
04
PROJECT NO.
170651

1" = 1/2" 0"

File: X:\PROJECTS\DANE COUNTY\170651 - RNG ENGINEERING SERVICES_Plan Set\104-MADL-S-SP_Site.dwg Layout: P04 User: shrumcummins Jan 16, 2018 - 11:10am

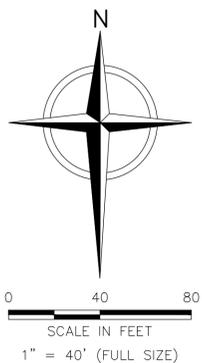


LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- - - APPROXIMATE RIGHT-OF-WAY
- ==== SOLID WASTE BOUNDARY
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- EXISTING FENCE
- EXISTING ROAD
- EXISTING UTILITY POLE
- EXISTING SIGN
- COMM --- EXISTING COMMUNICATION (FIBER OPTICS)
- ◇ GP9 EXISTING GAS PROBE
- MW14A EXISTING MONITORING WELL
- CO EXISTING LEACHATE CLEANOUT
- △ B-2 EXISTING SURVEY CONTROL POINT
- PROPOSED FENCE
- PROPOSED STORMWATER PIPE
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED LIMITS OF EXCAVATION
- ← PROPOSED DRAINAGE DIRECTION ARROW
- 3% PROPOSED BUILDING ENTRANCE GRADE

NOTES:

1. TOPOGRAPHIC FEATURES ARE ON NAD 27 WISCONSIN STATE PLANES, SOUTH ZONE, US FOOT AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
2. VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
3. "FIRST FLOOR EL." ARE THE SAME AS "T.O. SLAB EL." SHOWN ON THE BUILDING ELEVATION AND FOUNDATION DETAIL DRAWINGS.



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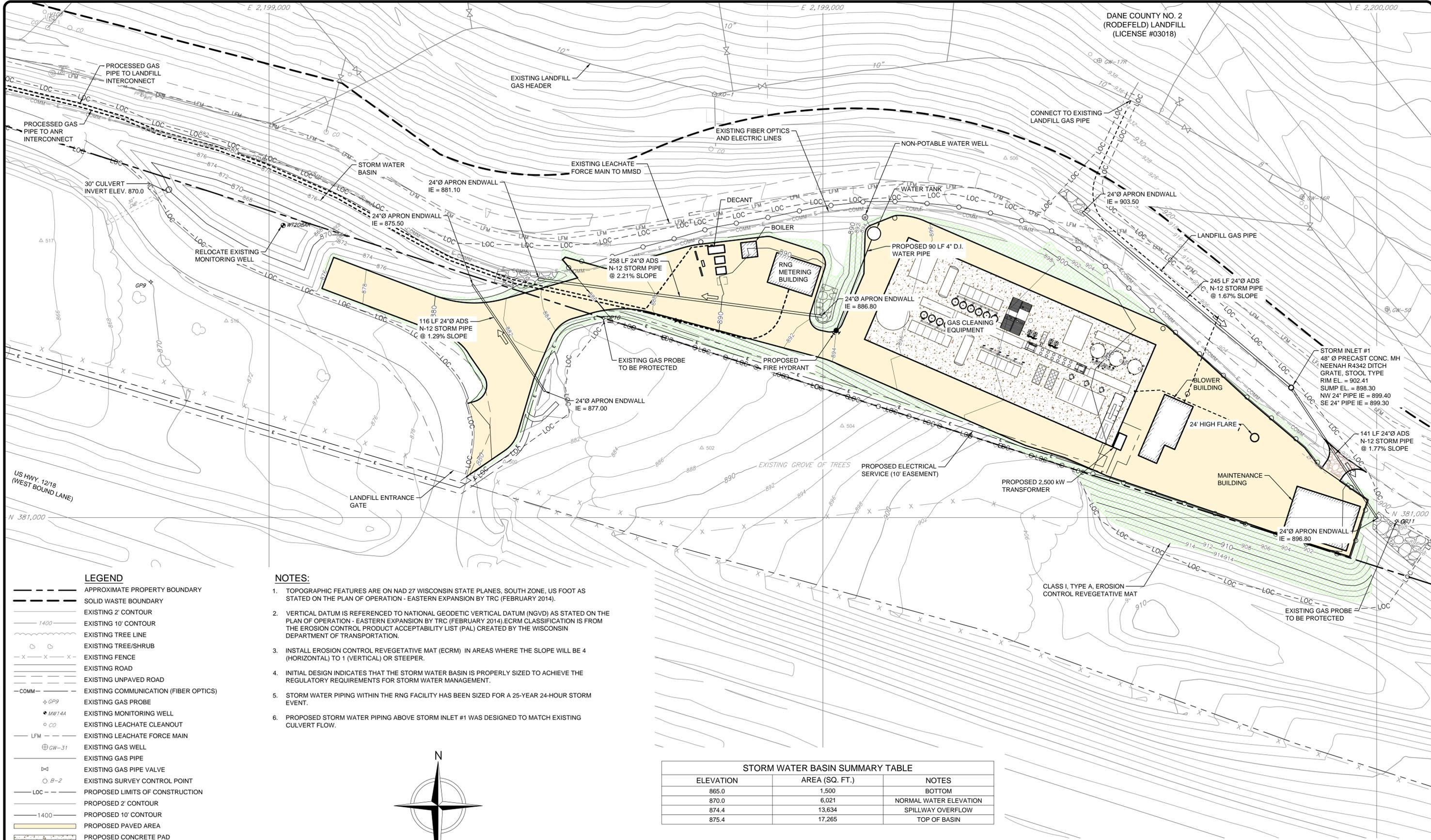
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DATE OF ISSUE	1/16/2018	DRAWN BY SRC	DESIGNED BY SRC/BB	CHECKED BY CLD	APPROVED BY MJT	



COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
LAND USE APPLICATION
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
GRADING PLAN

SHEET NO.
05
PROJECT NO.
170651



DANE COUNTY NO. 2
(RODEFELD) LANDFILL
(LICENSE #03018)

US HWY. 12/18
(WEST BOUND LANE)

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- SOLID WASTE BOUNDARY
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- X-X-X- EXISTING FENCE
- EXISTING ROAD
- EXISTING UNPAVED ROAD
- COMM- EXISTING COMMUNICATION (FIBER OPTICS)
- ◇ CP9 EXISTING GAS PROBE
- MW14A EXISTING MONITORING WELL
- CO EXISTING LEACHATE CLEANOUT
- LFM EXISTING LEACHATE FORCE MAIN
- ⊕ CW-31 EXISTING GAS WELL
- EXISTING GAS PIPE
- ⊗ EXISTING GAS PIPE VALVE
- B-2 EXISTING SURVEY CONTROL POINT
- - - LOC - - - PROPOSED LIMITS OF CONSTRUCTION
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED PAVED AREA
- PROPOSED CONCRETE PAD
- PROPOSED CRUSHED AGGREGATE BASE COARSE
- PROPOSED EROSION CONTROL REVEGETATIVE MAT
- PROPOSED FENCE
- - - PROPOSED GAS PIPE
- PROPOSED STORM WATER PIPE
- PROPOSED RIP RAP
- STORM PIPE FLOW DIRECTION ARROW

NOTES:

1. TOPOGRAPHIC FEATURES ARE ON NAD 27 WISCONSIN STATE PLANES, SOUTH ZONE, US FOOT AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
2. VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014). ECRM CLASSIFICATION IS FROM THE EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) CREATED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
3. INSTALL EROSION CONTROL REVEGETATIVE MAT (ECRM) IN AREAS WHERE THE SLOPE WILL BE 4 (HORIZONTAL) TO 1 (VERTICAL) OR STEEPER.
4. INITIAL DESIGN INDICATES THAT THE STORM WATER BASIN IS PROPERLY SIZED TO ACHIEVE THE REGULATORY REQUIREMENTS FOR STORM WATER MANAGEMENT.
5. STORM WATER PIPING WITHIN THE RNG FACILITY HAS BEEN SIZED FOR A 25-YEAR 24-HOUR STORM EVENT.
6. PROPOSED STORM WATER PIPING ABOVE STORM INLET #1 WAS DESIGNED TO MATCH EXISTING CULVERT FLOW.



STORM WATER BASIN SUMMARY TABLE		
ELEVATION	AREA (SQ. FT.)	NOTES
865.0	1,500	BOTTOM
870.0	6,021	NORMAL WATER ELEVATION
874.4	13,634	SPILLWAY OVERFLOW
875.4	17,265	TOP OF BASIN

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1" = 1/2" 0"

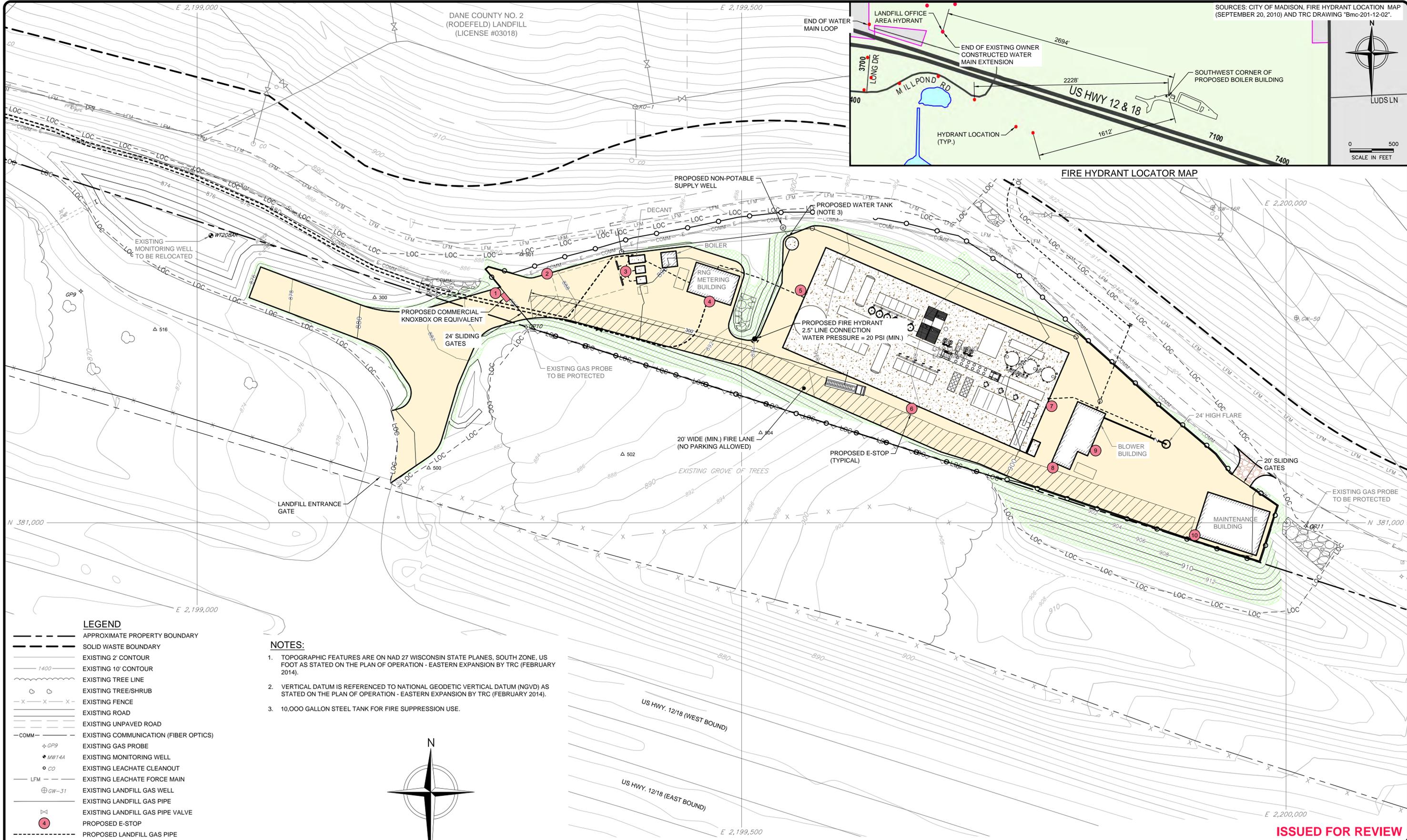
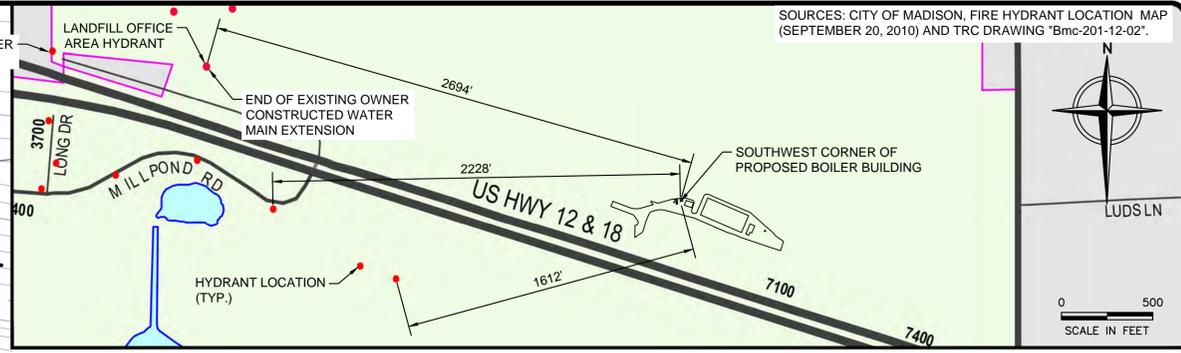
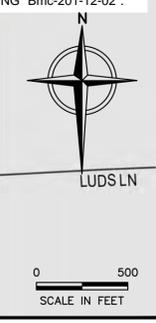
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
LAND USE APPLICATION
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
UTILITY PLAN

SHEET NO.
06
PROJECT NO.
170651



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- SOLID WASTE BOUNDARY
- EXISTING 2' CONTOUR
- EXISTING 10' CONTOUR
- EXISTING TREE LINE
- EXISTING TREE/SHRUB
- X-X-X- EXISTING FENCE
- EXISTING ROAD
- EXISTING UNPAVED ROAD
- COMM- EXISTING COMMUNICATION (FIBER OPTICS)
- ◆ GP9 EXISTING GAS PROBE
- ◆ MW14A EXISTING MONITORING WELL
- CO EXISTING LEACHATE CLEANOUT
- LFM EXISTING LEACHATE FORCE MAIN
- ⊕ GW-31 EXISTING LANDFILL GAS WELL
- EXISTING LANDFILL GAS PIPE
- ⊗ EXISTING LANDFILL GAS PIPE VALVE
- ④ PROPOSED E-STOP
- PROPOSED LANDFILL GAS PIPE
- PROPOSED 2' CONTOUR
- PROPOSED 10' CONTOUR
- PROPOSED PAVED AREA
- PROPOSED CONCRETE PAD
- PROPOSED CRUSHED AGGREGATE BASE COARSE
- PROPOSED STEEP AREA (2.5:1 OR 3:1)
- PROPOSED FENCE

NOTES:

1. TOPOGRAPHIC FEATURES ARE ON NAD 27 WISCONSIN STATE PLANES, SOUTH ZONE, US FOOT AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
2. VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
3. 10,000 GALLON STEEL TANK FOR FIRE SUPPRESSION USE.



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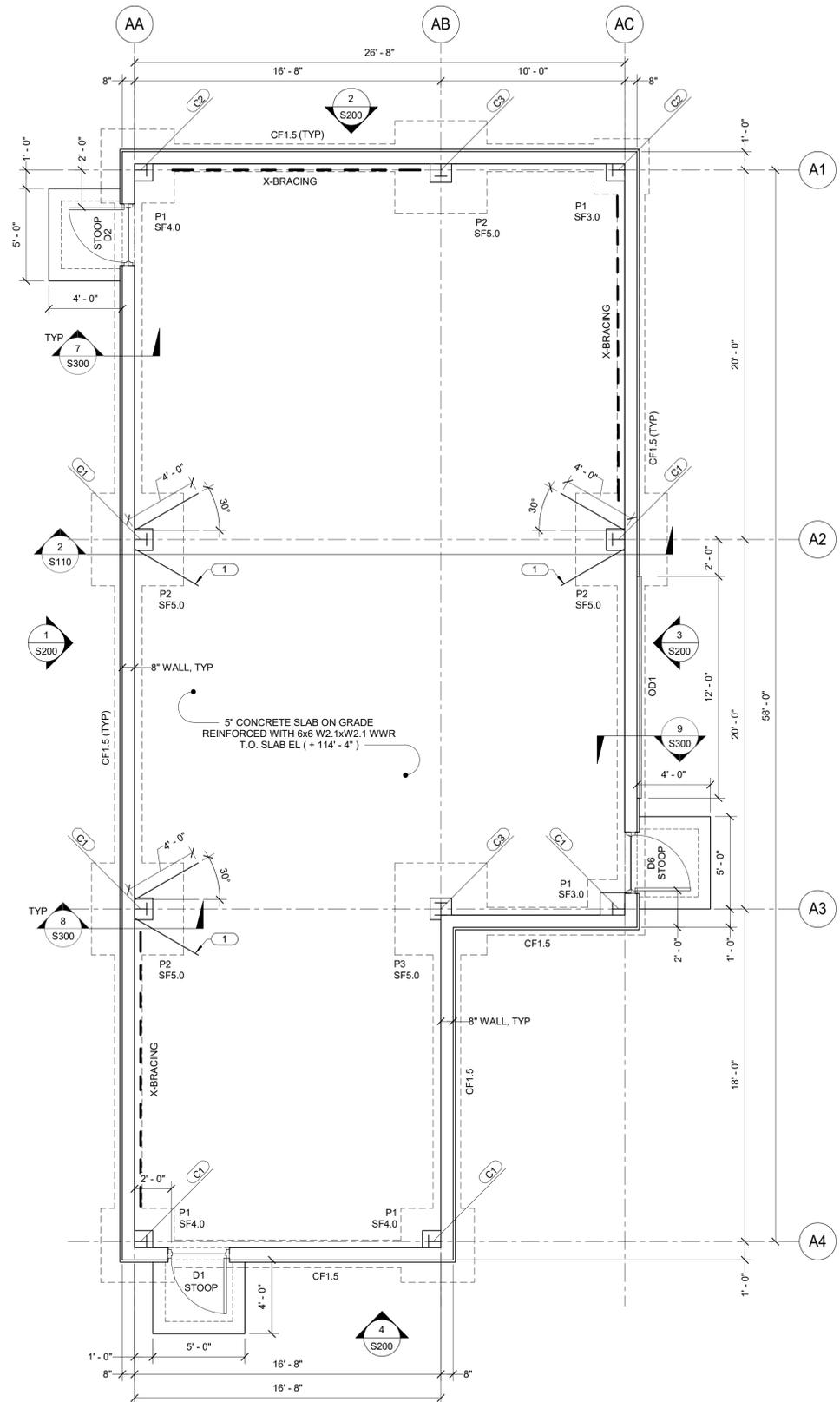
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
 RODEFELD LANDFILL
 DANE COUNTY, WISCONSIN
LAND USE APPLICATION
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
FIRE ACCESS PLAN

SHEET NO.
07
 PROJECT NO.
 170651

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BLOWER BUILDING FOUNDATION PLAN

1/4" = 1'-0"
NOTES:

- CF# INDICATES CONTINUOUS FOOTING AND SF# INDICATES SPREAD FOOTING. T.O. FOOTING EL (+110' - 4"), UNO. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. AT FOOTING CORNERS AND INTERSECTIONS, PROVIDE 2'-6" x 2'-6" CORNER BARS TO MATCH FOOTING SIZE AND QUANTITY.
- T.O. FOUNDATION WALL EL (+114' - 4"), UNO. REFER TO SCHEDULE ON THIS SHEET FOR FOUNDATION WALL REINFORCEMENT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE 2'-6" x 2'-6" CORNER BARS TO MATCH WALL HORIZONTAL REINFORCEMENT SIZE AND SPACING.
- REFER TO DETAILS 1, 2, AND 3/S300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
- REFER TO DETAIL 4/S300 FOR TYPICAL HOUSEKEEPING PAD. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH RESPECTIVE TRADES.
- PROVIDE STOOPS PER DETAIL 5/S300.
- SLEEVE UTILITIES THROUGH FOUNDATION PER 6/S300. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH MEP CONTRACTORS.
- P# INDICATES CONCRETE PIER. REFER TO SHEET S301 FOR DETAILS. T.O. PIER EL (+114' - 4"), UNO.
- C# INDICATES METAL BUILDING COLUMN. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- D# INDICATES MAN DOOR AND OD# INDICATES OVERHEAD DOOR. REFER TO SHEET S400 FOR SCHEDULE AND ELEVATIONS.

KEYNOTES:

- 1 #5 HAIRPIN CENTERED IN SLAB AND WRAPPED AROUND ANCHOR RODS IN PIER.

MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
			CF1.5	1'-6"

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
				SF3.0	3'-0"
SF4.0	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5
SF5.0	5'-0"	5'-0"	1'-0"	(5) #5	(5) #5
SF6.0	6'-0"	6'-0"	1'-0"	(6) #5	(6) #5

WALL THICKNESS	FOUNDATION WALL REINFORCING SCHEDULE			
	VERTICALS		HORIZONTALS	
	INTERIOR FACE	EXTERIOR FACE	INTERIOR FACE	EXTERIOR FACE
8"	#4 @ 18" OC CENTERED		#4 @ 12" OC CENTERED	

NOTES:

- MAINTAIN MINIMUM DEPTH OF 4'-0" FROM FINISH GRADE TO BOTTOM OF FOUNDATION WALL ELEVATION. STEP BOTTOM AS REQUIRED.

MARK	SIZE	REMARK
C1	RIGID FRAME COLUMN	TAPERED
C2	END WALL COLUMN	TAPERED
C3	WIND GIRT COLUMN	NOT TAPERED
C4	PORTAL FRAME COLUMN	NOT TAPERED

NOTES:

- BASE PLATE DETAIL BY METAL BUILDING MANUFACTURER.
- REFER TO DETAIL 1/S500 FOR METAL BUILDING ANCHOR ROD.

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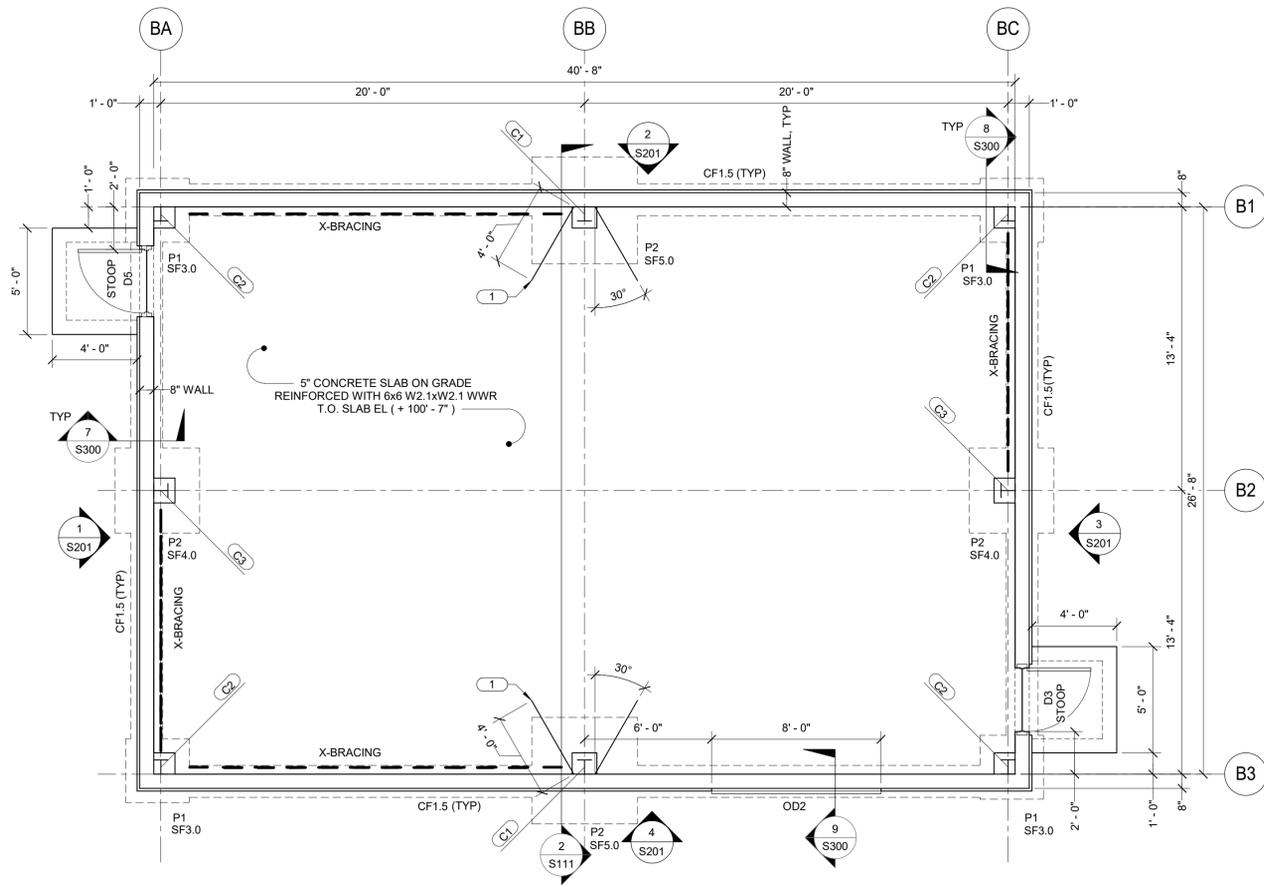
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
BLOWER BUILDING FOUNDATION PLAN

SHEET NO.
S100
PROJECT NO.
17002439.00



1 METERING BUILDING FOUNDATION PLAN

1/4" = 1'-0"

NOTES:

- CF# INDICATES CONTINUOUS FOOTING AND SF# INDICATES SPREAD FOOTING. T.O. FOOTING EL (+96' - 7"), UNO. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. AT FOOTING CORNERS AND INTERSECTIONS, PROVIDE 2'-6" x 2'-6" CORNER BARS TO MATCH FOOTING SIZE AND QUANTITY.
- T.O. FOUNDATION WALL EL (+100' - 7"), UNO. REFER TO SCHEDULE ON THIS SHEET FOR FOUNDATION WALL REINFORCEMENT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE 2'-6" x 2'-6" CORNER BARS TO MATCH WALL HORIZONTAL REINFORCEMENT SIZE AND SPACING.
- REFER TO DETAILS 1, 2, AND 3/S300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
- REFER TO DETAIL 4/S300 FOR TYPICAL HOUSEKEEPING PAD. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH RESPECTIVE TRADES.
- PROVIDE STOOPS PER DETAIL 5/S300.
- SLEEVE UTILITIES THROUGH FOUNDATION PER 6/S300. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH MEP CONTRACTORS.
- P# INDICATES CONCRETE PIER. REFER TO SHEET S301 FOR DETAILS. T.O. PIER EL (+100'-7") UNO.
- C# INDICATES METAL BUILDING COLUMN. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
- D# INDICATES MAN DOOR AND OD# INDICATES OVERHEAD DOOR. REFER TO SHEET S400 FOR SCHEDULE AND ELEVATIONS.

KEYNOTES:

- #5 HAIRPIN CENTERED IN SLAB AND WRAPPED AROUND ANCHOR RODS IN PIER.

COLUMN SCHEDULE		
MARK	SIZE	REMARK
C1	RIGID FRAME COLUMN	TAPERED
C2	END WALL COLUMN	TAPERED
C3	WIND GIRT COLUMN	NOT TAPERED
C4	PORTAL FRAME COLUMN	NOT TAPERED

NOTES:

- BASE PLATE DETAIL BY METAL BUILDING MANUFACTURER.
- REFER TO DETAIL 1/S500 FOR METAL BUILDING ANCHOR ROD.

CONTINUOUS FOOTING SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF1.5	1'-6"	1'-0"	(2) #5 CONT	ALTERNATE DOWELS

SPREAD FOOTING SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF3.0	3'-0"	3'-0"	1'-0"	(3) #5	(3) #5
SF4.0	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5
SF5.0	5'-0"	5'-0"	1'-0"	(5) #5	(5) #5
SF6.0	6'-0"	6'-0"	1'-0"	(6) #5	(6) #5

FOUNDATION WALL REINFORCING SCHEDULE				
WALL THICKNESS	VERTICALS		HORIZONTALS	
	INTERIOR FACE	EXTERIOR FACE	INTERIOR FACE	EXTERIOR FACE
8"	#4 @ 18" OC CENTERED		#4 @ 12" OC CENTERED	

NOTES:

- MAINTAIN MINIMUM DEPTH OF 4' - 0" FROM FINISH GRADE TO BOTTOM OF FOUNDATION WALL ELEVATION. STEP BOTTOM AS REQUIRED.

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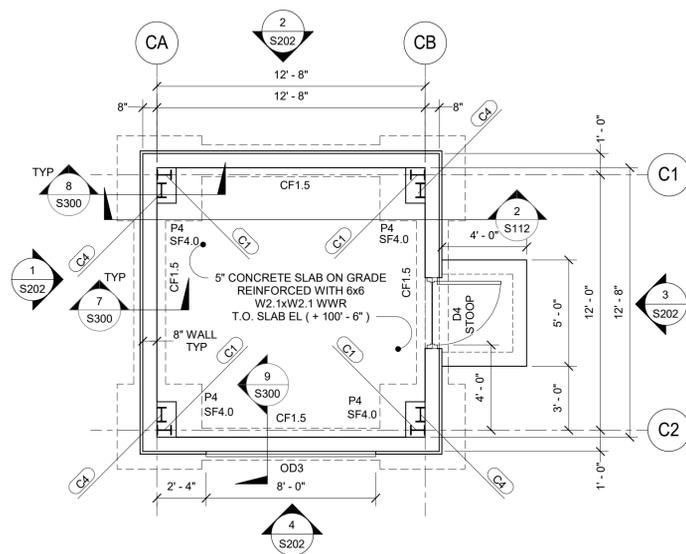
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
 RODEFELD LANDFILL
 DANE COUNTY, WISCONSIN
 DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 METERING BUILDING FOUNDATION PLAN

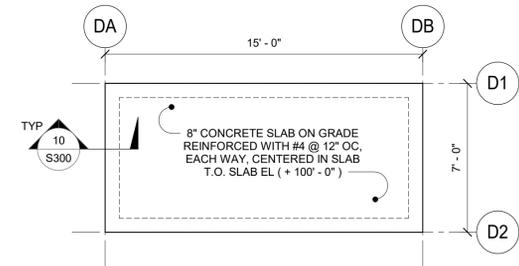
SHEET NO.
S101
 PROJECT NO.
 17002439.00



1 BOILER BUILDING FOUNDATION PLAN



- 1/4" = 1'-0"
NOTES:
- CF# INDICATES CONTINUOUS FOOTING AND SF# INDICATES SPREAD FOOTING. T.O. FOOTING EL (+96' - 6"). UNO. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. AT FOOTING CORNERS AND INTERSECTIONS, PROVIDE 2'-6" x 2'-6" CORNER BARS TO MATCH FOOTING SIZE AND QUANTITY.
 - T.O. FOUNDATION WALL EL (+100' - 6"). UNO. REFER TO SCHEDULE ON THIS SHEET FOR FOUNDATION WALL REINFORCEMENT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE 2'-6" x 2'-6" CORNER BARS TO MATCH WALL HORIZONTAL REINFORCEMENT SIZE AND SPACING.
 - REFER TO DETAILS 1, 2, AND 3/S300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
 - REFER TO DETAIL 4/S300 FOR TYPICAL HOUSEKEEPING PAD. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH RESPECTIVE TRADES.
 - PROVIDE STOOPS PER DETAIL 5/S300.
 - SLEEVE UTILITIES THROUGH FOUNDATION PER 6/S300. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH MEP CONTRACTORS.
 - P# INDICATES CONCRETE PIER. REFER TO SHEET S301 FOR DETAILS. T.O. PIER EL (+100'-6") UNO.
 - C# INDICATES METAL BUILDING COLUMN. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
 - D# INDICATES MAN DOOR AND OD# INDICATES OVERHEAD DOOR. REFER TO SHEET S400 FOR SCHEDULE AND ELEVATIONS.



2 DECANT FOUNDATION PLAN



- 1/4" = 1'-0"
NOTES:
- PROVIDE (4) 1"Ø EXPANSION ANCHORS WITH 4 1/2" EMBEDMENT. COORDINATE LOCATIONS WITH EQUIPMENT SUPPLIER.

COLUMN SCHEDULE		
MARK	SIZE	REMARK
C1	RIGID FRAME COLUMN	TAPERED
C2	END WALL COLUMN	TAPERED
C3	WIND GIRT COLUMN	NOT TAPERED
C4	PORTAL FRAME COLUMN	NOT TAPERED

- NOTES:
- BASE PLATE DETAIL BY METAL BUILDING MANUFACTURER.
 - REFER TO DETAIL 1/S500 FOR METAL BUILDING ANCHOR ROD.

CONTINUOUS FOOTING SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF1.5	1'-6"	1'-0"	(2) #5 CONT	ALTERNATE DOWELS

SPREAD FOOTING SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF3.0	3'-0"	3'-0"	1'-0"	(3) #5	(3) #5
SF4.0	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5
SF5.0	5'-0"	5'-0"	1'-0"	(5) #5	(5) #5
SF6.0	6'-0"	6'-0"	1'-0"	(6) #5	(6) #5

FOUNDATION WALL REINFORCING SCHEDULE				
WALL THICKNESS	VERTICALS		HORIZONTALS	
	INTERIOR FACE	EXTERIOR FACE	INTERIOR FACE	EXTERIOR FACE
8"	#4 @ 18" OC CENTERED		#4 @ 12" OC CENTERED	

- NOTES:
- MAINTAIN MINIMUM DEPTH OF 4'-0" FROM FINISH GRADE TO BOTTOM OF FOUNDATION WALL ELEVATION. STEP BOTTOM AS REQUIRED.

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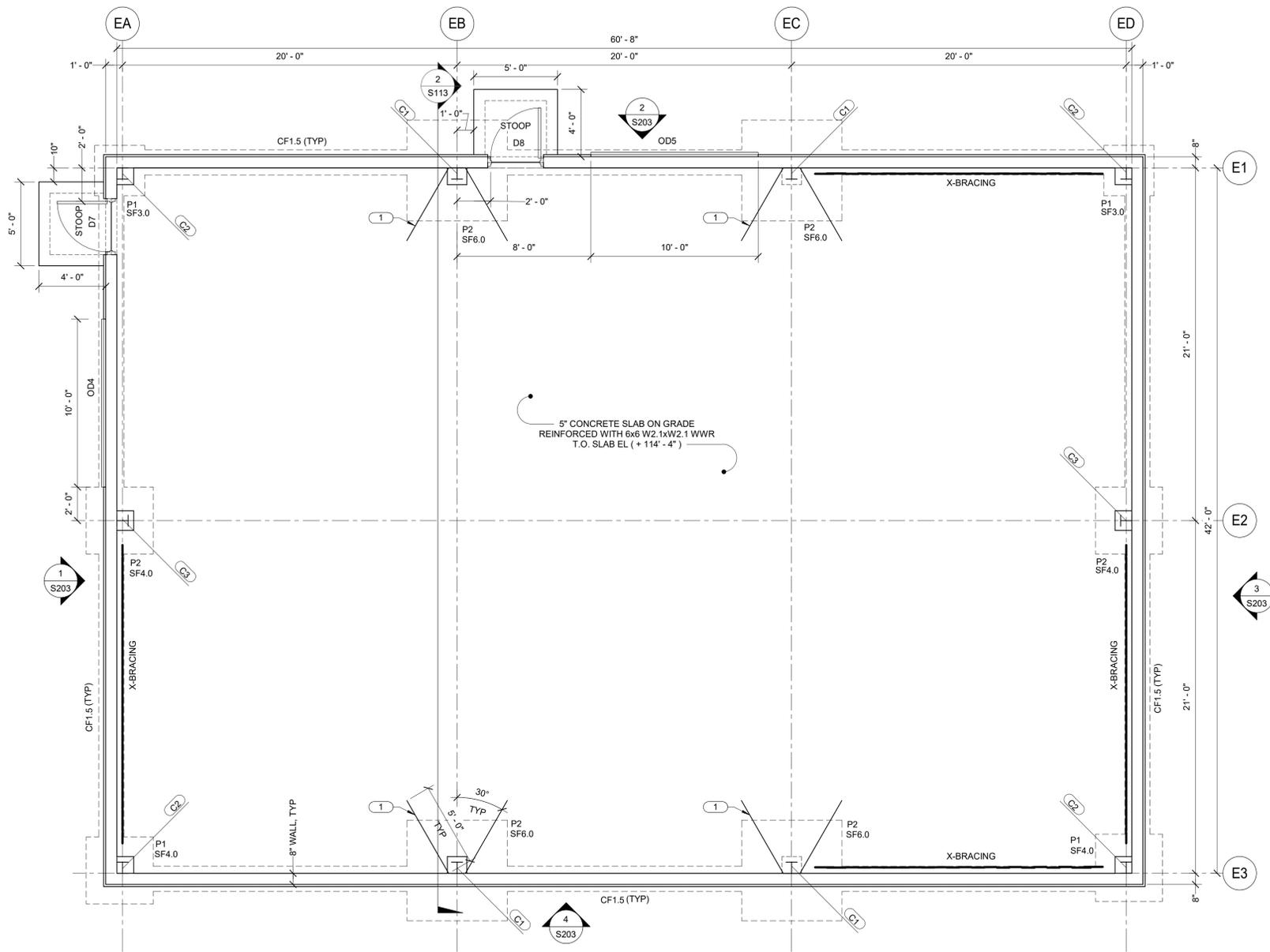
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COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
BOILER BUILDING AND DECANT FOUNDATION PLANS

SHEET NO.
S102
PROJECT NO.
17002439.00



COLUMN SCHEDULE		
MARK	SIZE	REMARK
C1	RIGID FRAME COLUMN	TAPERED
C2	END WALL COLUMN	TAPERED
C3	WIND GIRT COLUMN	NOT TAPERED
C4	PORTAL FRAME COLUMN	NOT TAPERED

- NOTES:
1. BASE PLATE DETAIL BY METAL BUILDING MANUFACTURER.
 2. REFER TO DETAIL 1/S500 FOR METAL BUILDING ANCHOR ROD.

CONTINUOUS FOOTING SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF1.5	1'-6"	1'-0"	(2) #5 CONT	ALTERNATE DOWELS

SPREAD FOOTING SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF3.0	3'-0"	3'-0"	1'-0"	(3) #5	(3) #5
SF4.0	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5
SF5.0	5'-0"	5'-0"	1'-0"	(5) #5	(5) #5
SF6.0	6'-0"	6'-0"	1'-0"	(6) #5	(6) #5

FOUNDATION WALL REINFORCING SCHEDULE				
WALL THICKNESS	VERTICALS		HORIZONTALS	
	INTERIOR FACE	EXTERIOR FACE	INTERIOR FACE	EXTERIOR FACE
8"	#4 @ 18" OC CENTERED		#4 @ 12" OC CENTERED	

- NOTES:
1. MAINTAIN MINIMUM DEPTH OF 4'-0" FROM FINISH GRADE TO BOTTOM OF FOUNDATION WALL ELEVATION. STEP BOTTOM AS REQUIRED.

1 MAINTENANCE BUILDING FOUNDATION PLAN

- 1/4" = 1'-0"
NOTES:
1. CF# INDICATES CONTINUOUS FOOTING AND SF# INDICATES SPREAD FOOTING. T.O. FOOTING EL (+110'-4"). UNO. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION. AT FOOTING CORNERS AND INTERSECTIONS, PROVIDE 2-6" x 2-6" CORNER BARS TO MATCH FOOTING SIZE AND QUANTITY.
 2. T.O. FOUNDATION WALL EL (+1114'-4"). UNO. REFER TO SCHEDULE ON THIS SHEET FOR FOUNDATION WALL REINFORCEMENT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE 2-6" x 2-6" CORNER BARS TO MATCH WALL HORIZONTAL REINFORCEMENT SIZE AND SPACING.
 3. REFER TO DETAILS 1, 2, AND 3/S300 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
 4. REFER TO DETAIL 4/S300 FOR TYPICAL HOUSEKEEPING PAD. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH RESPECTIVE TRADES.
 5. PROVIDE STOOPS PER DETAIL 5/S300.
 6. SLEEVE UTILITIES THROUGH FOUNDATION PER 6/S300. COORDINATE SIZE, QUANTITY AND LOCATIONS WITH MEP CONTRACTORS.
 7. P# INDICATES CONCRETE PIER. REFER TO SHEET S301 FOR DETAILS. T.O. PIER EL (+114'-4"). UNO.
 8. C# INDICATES METAL BUILDING COLUMN. REFER TO SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
 9. D# INDICATES MAN DOOR AND OD# INDICATES OVERHEAD DOOR. REFER TO SHEET S400 FOR SCHEDULE AND ELEVATIONS.

- KEYNOTES:
- 1 #5 HAIRPIN CENTERED IN SLAB AND WRAPPED AROUND ANCHOR RODS IN PIER.



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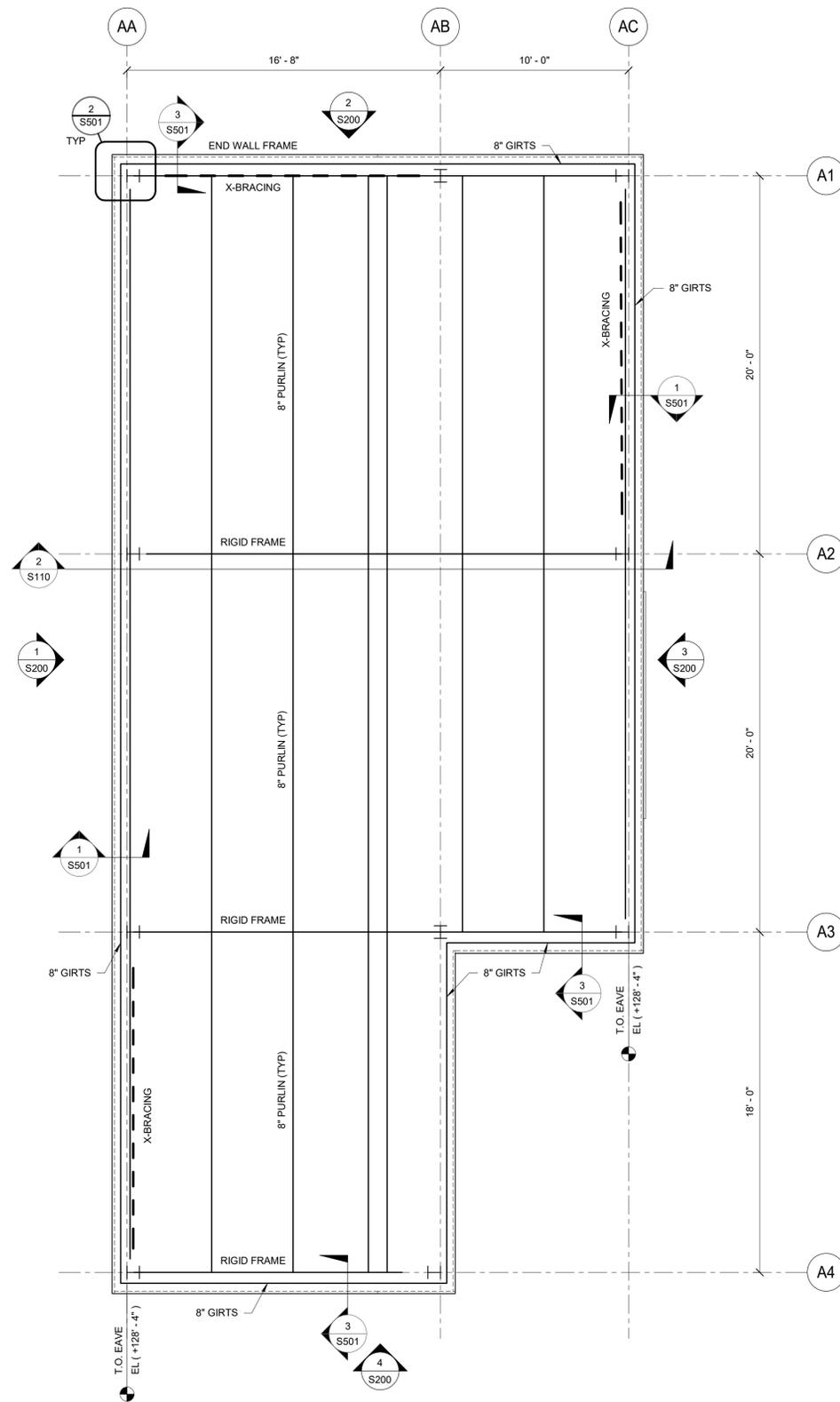
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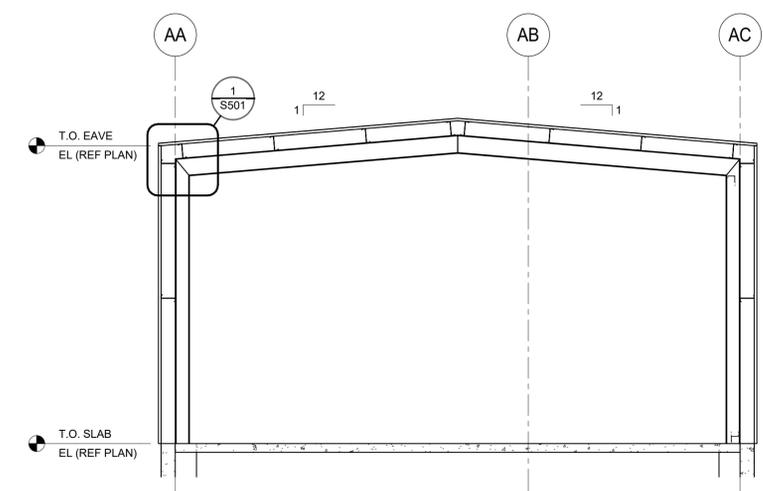
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RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
MAINTENANCE BUILDING FOUNDATION PLAN

SHEET NO.
S103
PROJECT NO.
17002439.00



1 BLOWER BUILDING FRAMING PLAN

- 1/4" = 1'-0"
NOTES:
1. ROOF FRAMING IS SCHEMATIC. FINAL LAYOUT BY METAL BUILDING MANUFACTURER.
 2. T.O. EAVE ELEVATIONS ARE A MINIMUM FOR EQUIPMENT. IT IS THE METAL BUILDING MANUFACTURERS RESPONSIBILITY TO VERIFY OVERHEAD DOOR FITS ONCE RIGID FRAME DEPTH IS DETERMINED.



2 BLOWER BUILDING SECTION

- 1/4" = 1'-0"
NOTES:
1. SECTION IS SCHEMATIC. MEMBERS MAY TAPER AS NEEDED FOR METAL BUILDING MANUFACTURER DESIGN.



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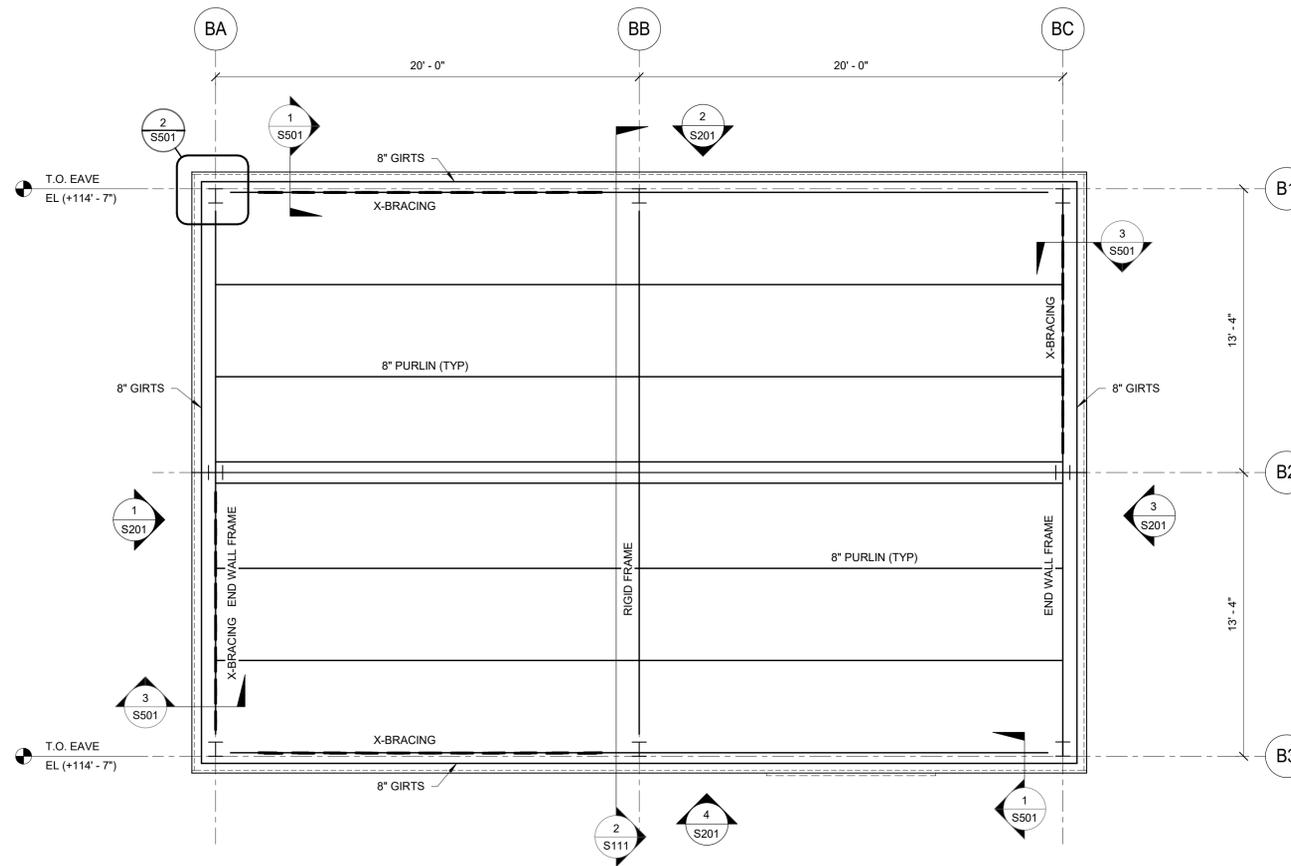
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DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
BLOWER BUILDING FRAMING PLAN

SHEET NO.
S110
PROJECT NO.
17002439.00

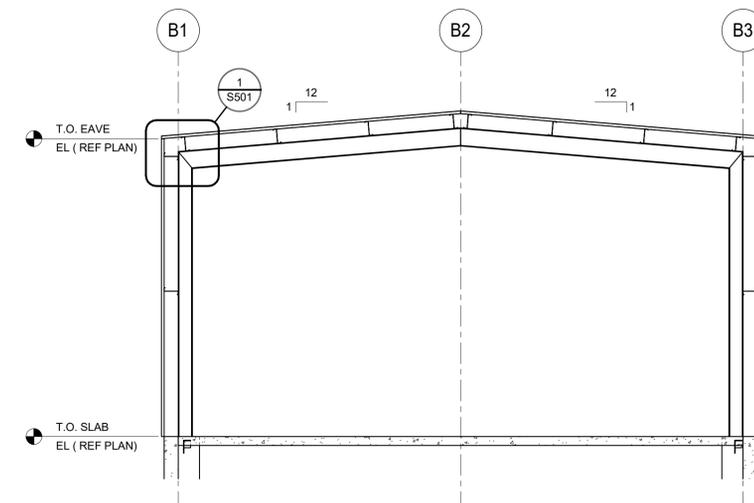


1 METERING BUILDING FRAMING PLAN

1/4" = 1'-0"

NOTES:

1. ROOF FRAMING IS SCHEMATIC. FINAL LAYOUT BY METAL BUILDING MANUFACTURER.



2 METERING BUILDING SECTION

1/4" = 1'-0"

NOTES:

1. SECTION IS SCHEMATIC. MEMBERS MAY TAPER AS NEEDED FOR METAL BUILDING MANUFACTURER DESIGN.

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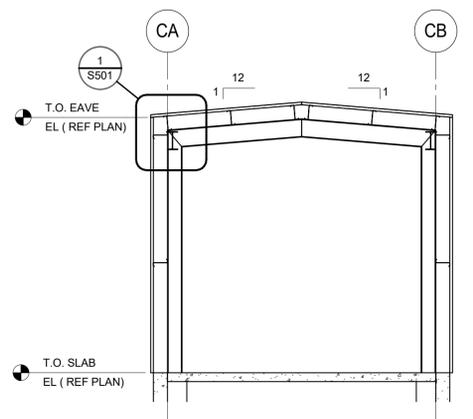
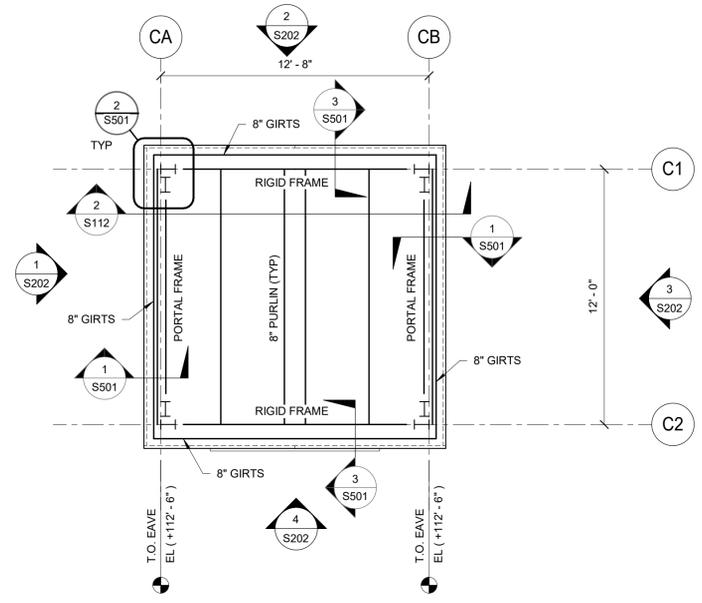
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 DANE COUNTY, WISCONSIN
 DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 METERING BUILDING FRAMING PLAN

SHEET NO.
S111
 PROJECT NO.
 17002439.00



1 BOILER BUILDING FRAMING PLAN
 1/4" = 1'-0"
 NOTES:
 1. ROOF FRAMING IS SCHEMATIC. FINAL LAYOUT BY METAL BUILDING MANUFACTURER.
 2. T.O. EAVE ELEVATIONS ARE A MINIMUM FOR EQUIPMENT. IT IS THE METAL BUILDING MANUFACTURERS RESPONSIBILITY TO VERIFY OVERHEAD DOOR FITS ONCE RIGID FRAME DEPTH IS DETERMINED.

2 BOILER BUILDING SECTION
 1/4" = 1'-0"
 NOTES:
 1. SECTION IS SCHEMATIC. MEMBERS MAY TAPER AS NEEDED FOR METAL BUILDING MANUFACTURER DESIGN.



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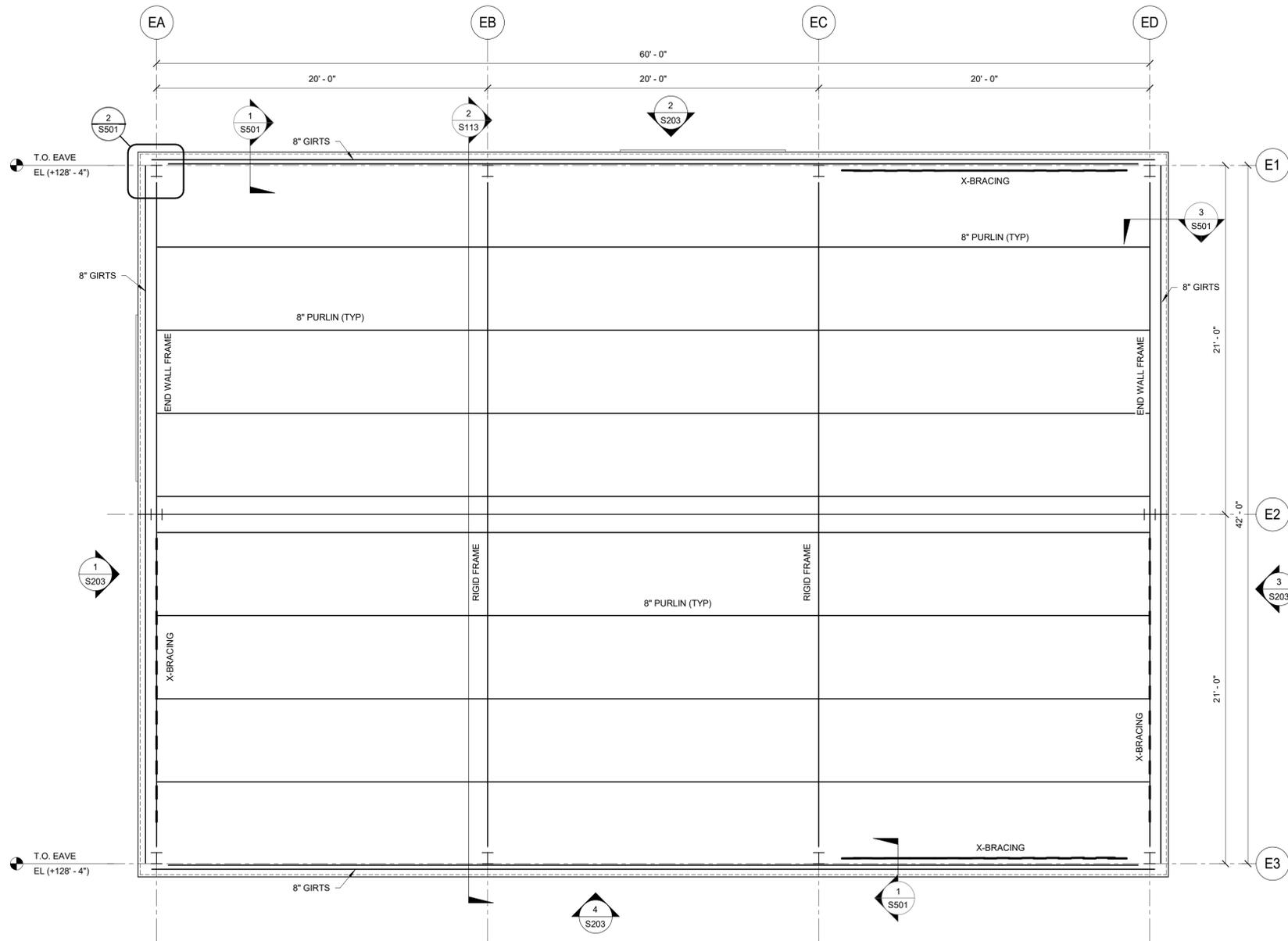
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 DANE COUNTY, WISCONSIN
 DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 BOILER BUILDING FRAMING PLAN

SHEET NO.
S112
 PROJECT NO.
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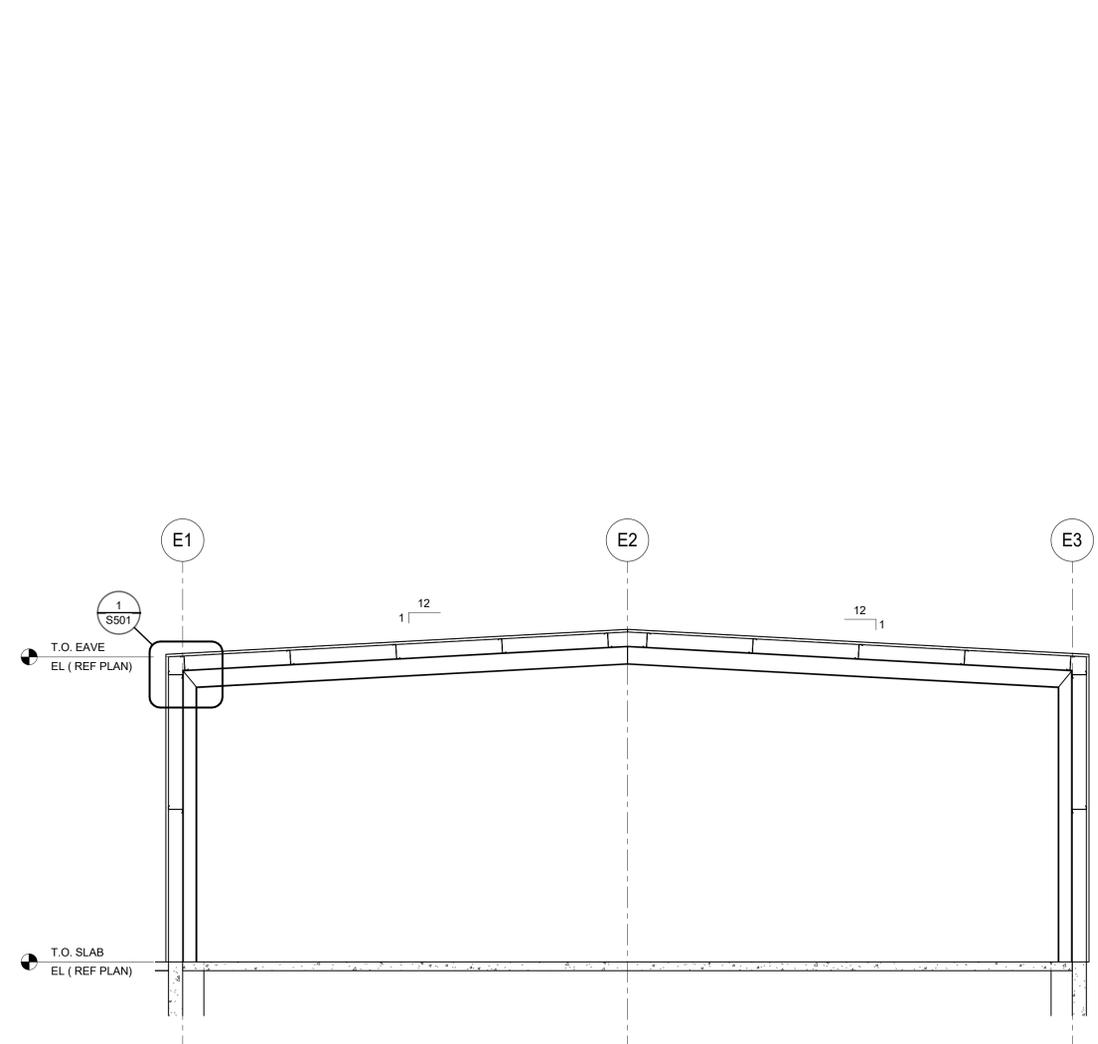


1 MAINTENANCE BUILDING FRAMING PLAN

1/4" = 1'-0"

NOTES:

1. ROOF FRAMING IS SCHEMATIC. FINAL LAYOUT BY METAL BUILDING MANUFACTURER.
2. T.O. EAVE ELEVATIONS ARE A MINIMUM FOR EQUIPMENT. IT IS THE METAL BUILDING MANUFACTURERS RESPONSIBILITY TO VERIFY OVERHEAD DOOR FITS ONCE RIGID FRAME DEPTH IS DETERMINED.



2 MAINTENANCE BUILDING SECTION

1/4" = 1'-0"

NOTES:

1. SECTION IS SCHEMATIC. MEMBERS MAY TAPER AS NEEDED FOR METAL BUILDING MANUFACTURER DESIGN.



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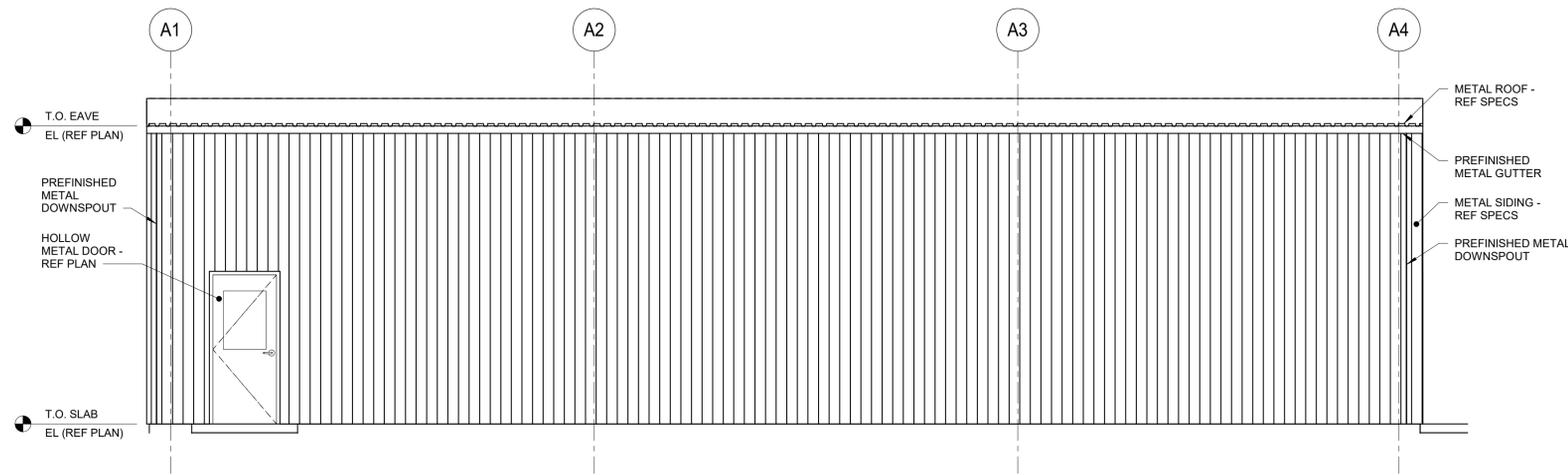
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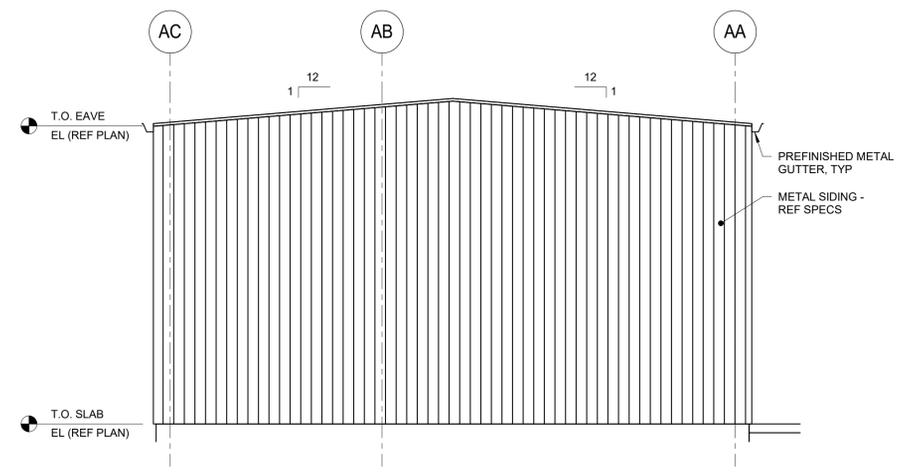
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 DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 MAINTENANCE BUILDING FRAMING PLAN

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S113
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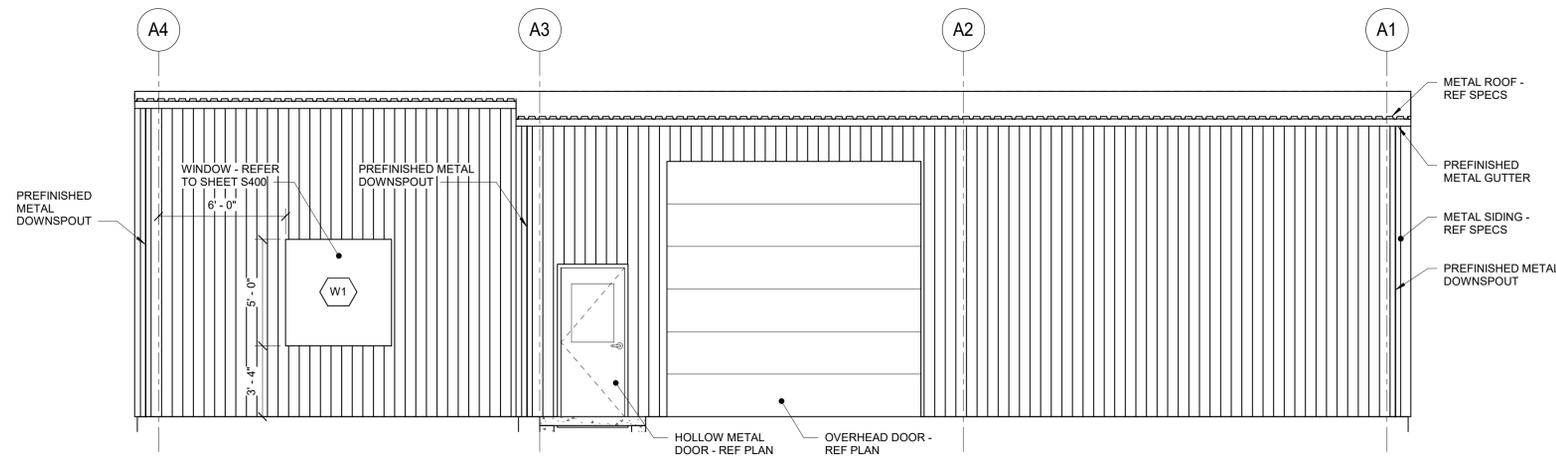


1 BLOWER BUILDING WEST ELEVATION
1/4" = 1'-0"

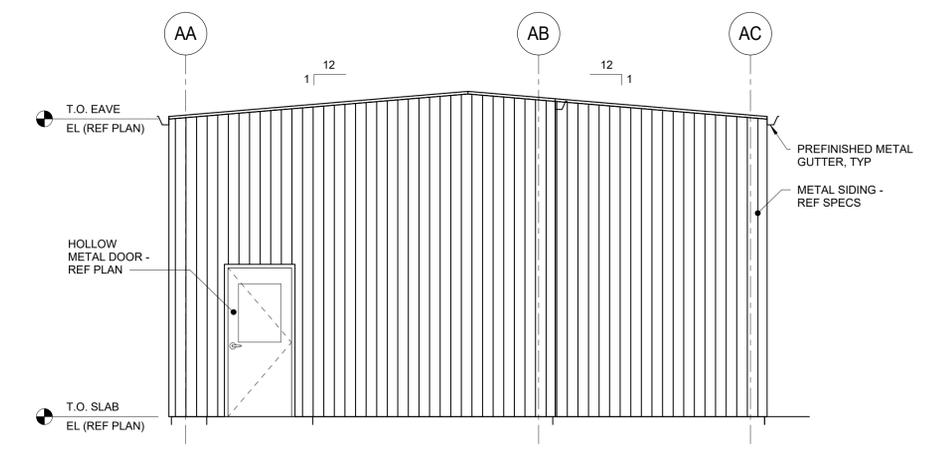
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2 BLOWER BUILDING NORTH ELEVATION
1/4" = 1'-0"



3 BLOWER BUILDING EAST ELEVATION
1/4" = 1'-0"



4 BLOWER BUILDING SOUTH ELEVATION
1/4" = 1'-0"

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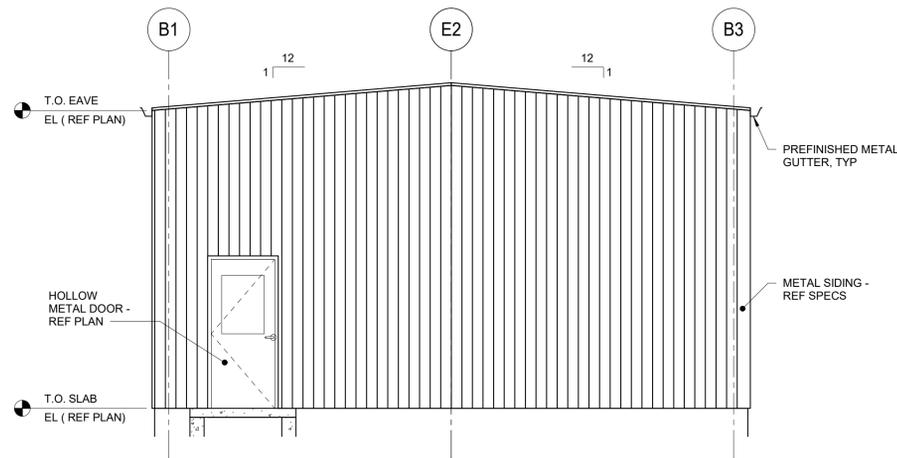
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DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
BLOWER BUILDING ELEVATIONS

SHEET NO.
S200
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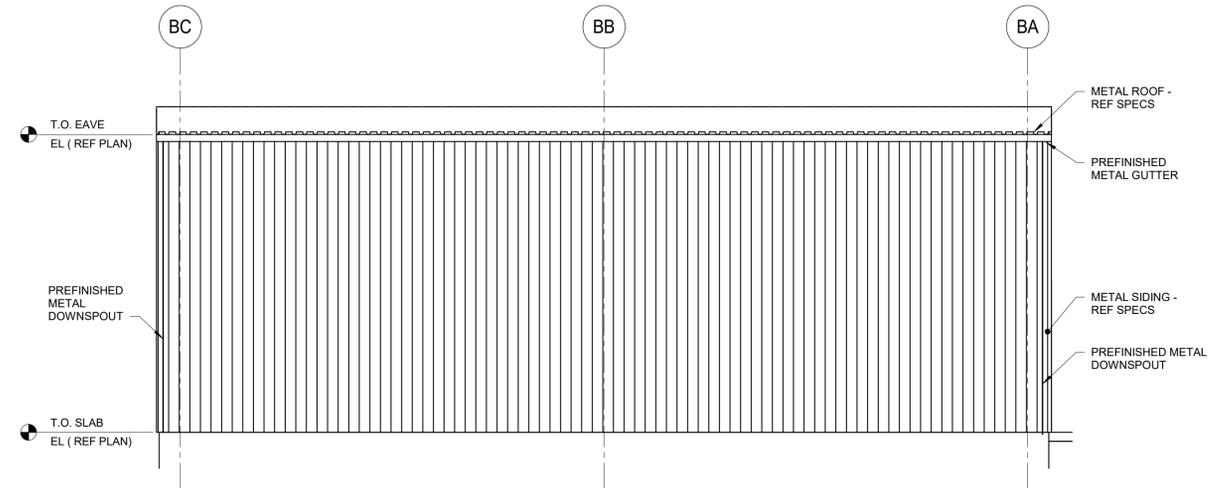


1 METERING BUILDING WEST ELEVATION

1/4" = 1'-0"

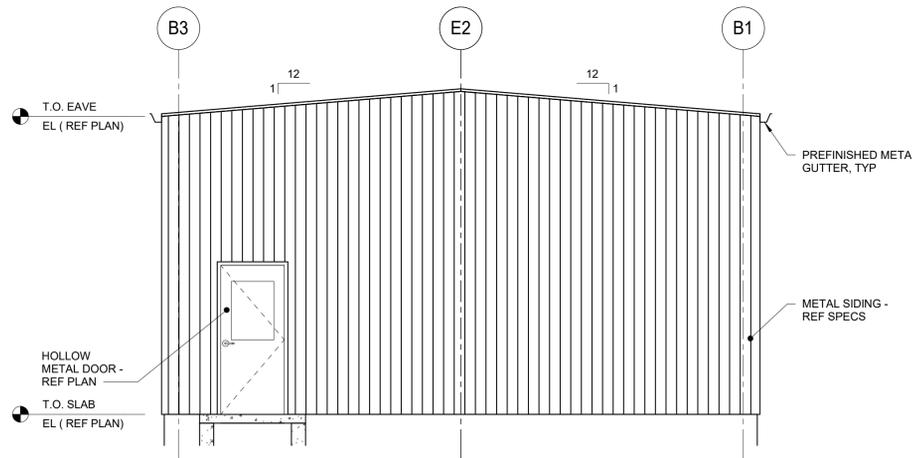
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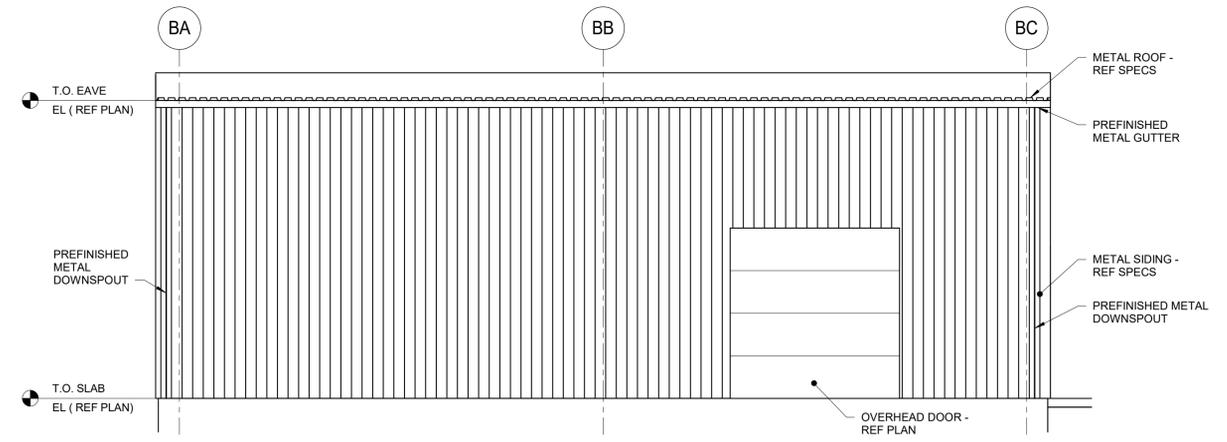
2 METERING BUILDING NORTH ELEVATION

1/4" = 1'-0"



3 METERING BUILDING EAST ELEVATION

1/4" = 1'-0"



4 METERING BUILDING SOUTH ELEVATION

1/4" = 1'-0"

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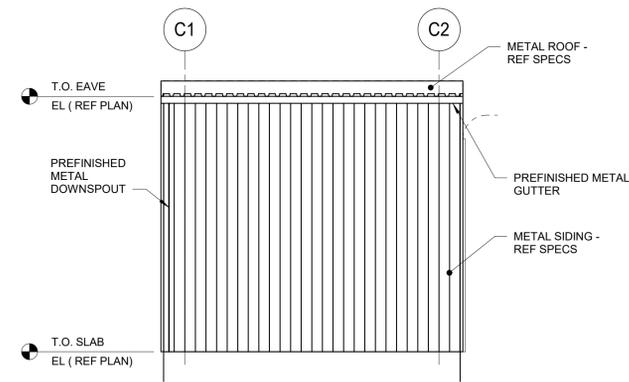
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 METERING BUILDING ELEVATIONS

SHEET NO.
S201
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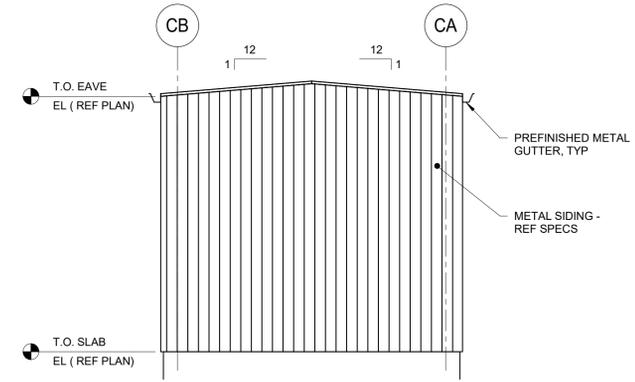


1 BOILER BUILDING WEST ELEVATION

1/4" = 1'-0"

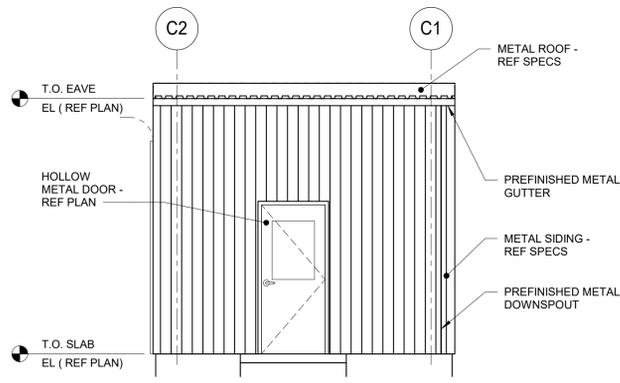
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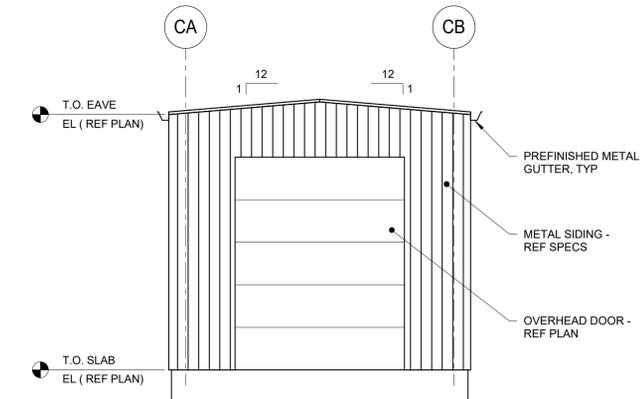
2 BOILER BUILDING NORTH ELEVATION

1/4" = 1'-0"



3 BOILER BUILDING EAST ELEVATION

1/4" = 1'-0"



4 BOILER BUILDING SOUTH ELEVATION

1/4" = 1'-0"

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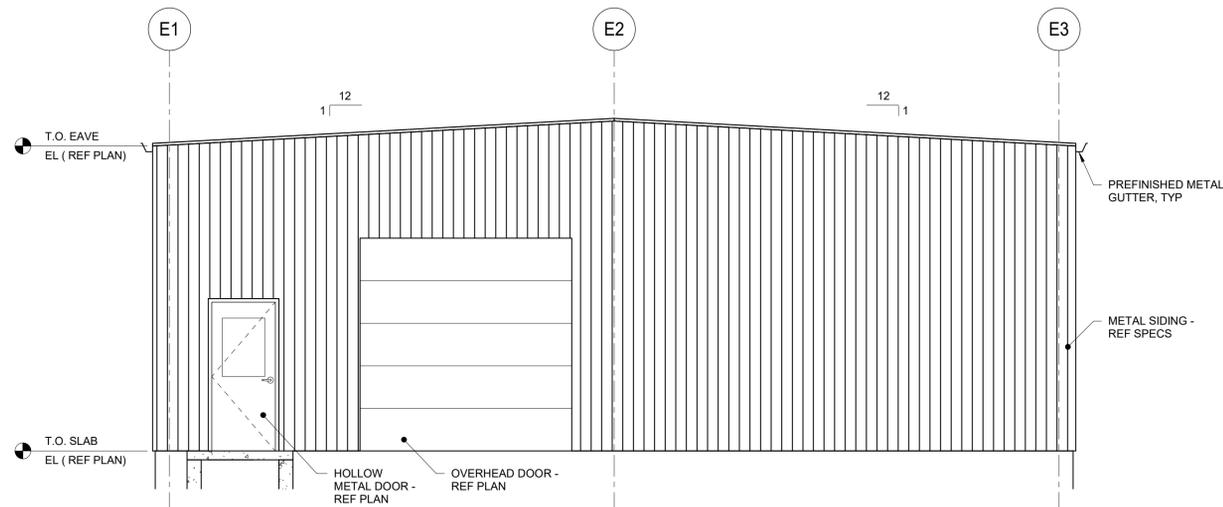
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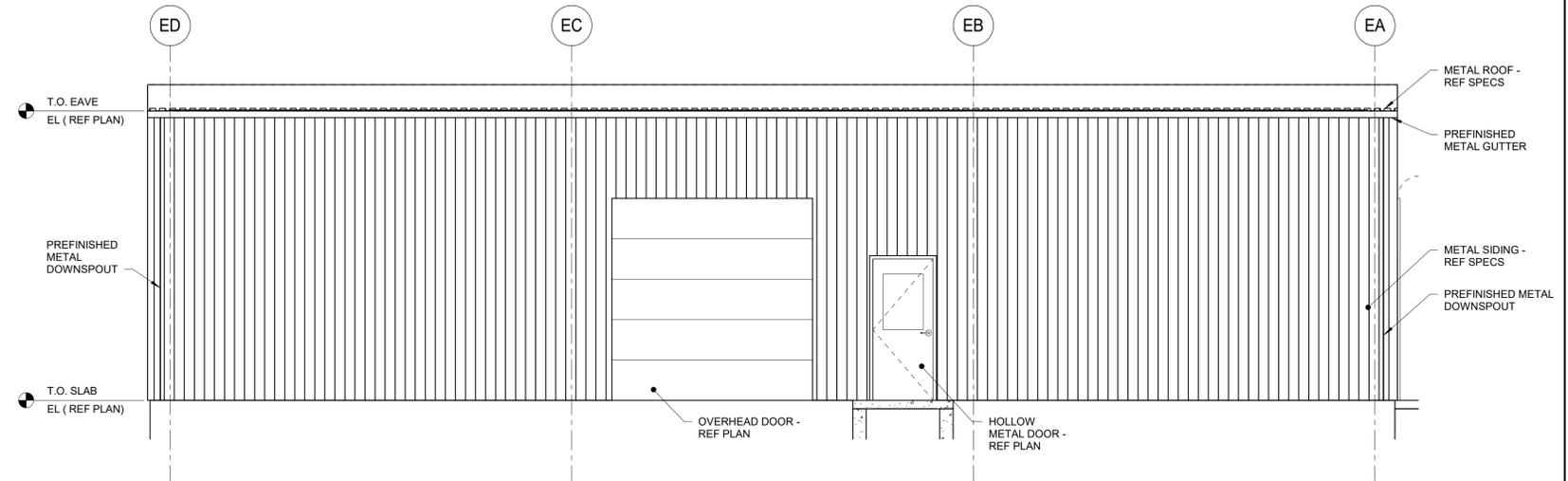
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 DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 BOILER BUILDING ELEVATIONS

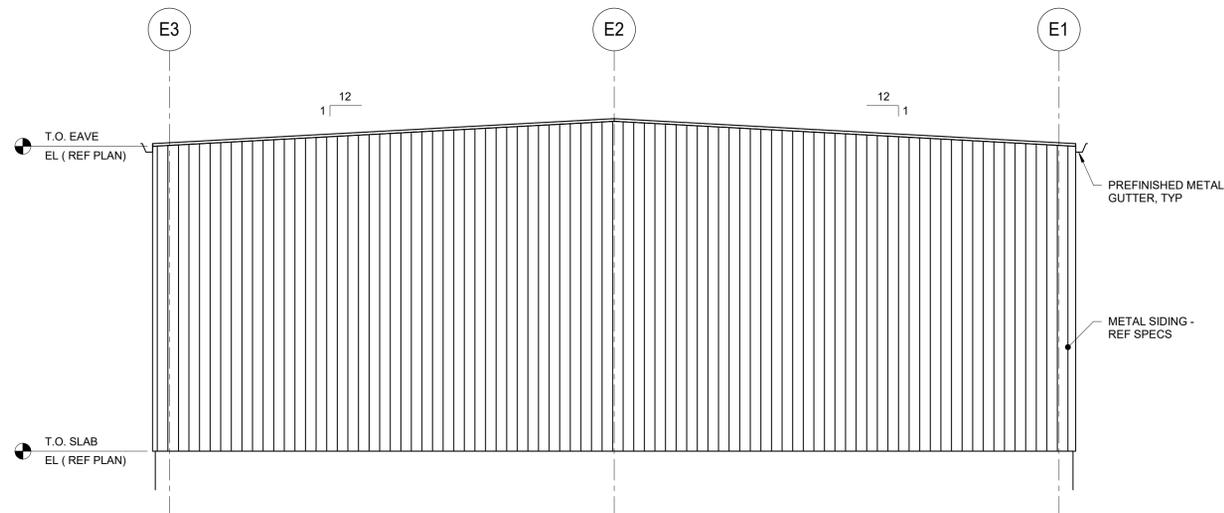
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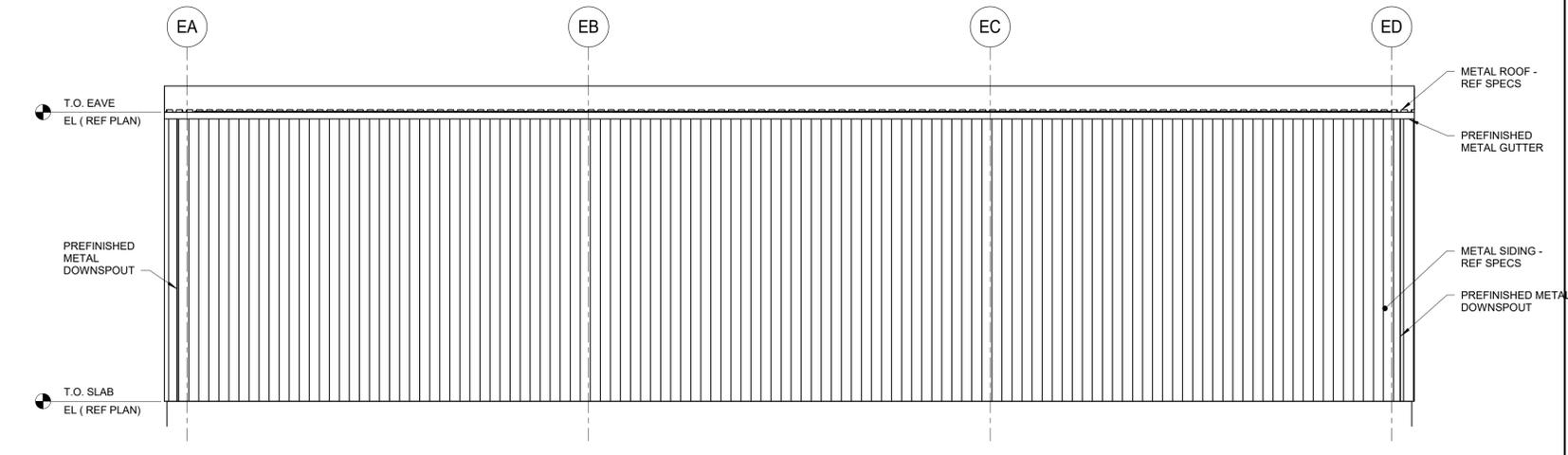
1 MAINTENACE BUILDING WEST ELEVATION
1/4" = 1'-0"



2 MAINTENACE BUILDING NORTH ELEVATION
1/4" = 1'-0"



3 MAINTENACE BUILDING EAST ELEVATION
1/4" = 1'-0"



4 MAINTENACE BUILDING SOUTH ELEVATION
1/4" = 1'-0"

NOTES:
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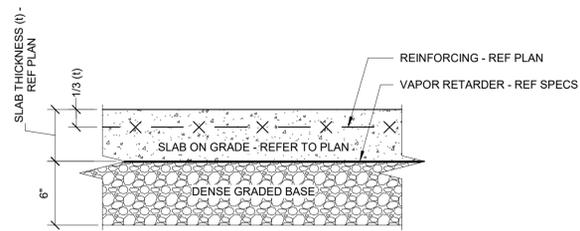
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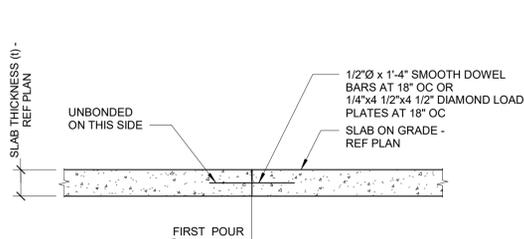
COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
MAINTENACE BUILDING ELEVATION

SHEET NO.
S203
PROJECT NO.
17002439.00



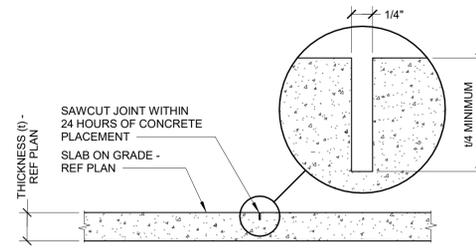
1 TYPICAL SLAB ON GRADE SECTION

1 1/2" = 1'-0"
 NOTES:
 1. REFERENCE SPECIFICATIONS FOR MATERIAL AND COMPACTION REQUIREMENTS.



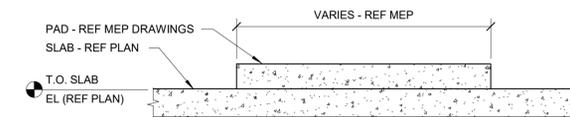
2 TYPICAL SLAB CONSTRUCTION JOINT

3/4" = 1'-0"



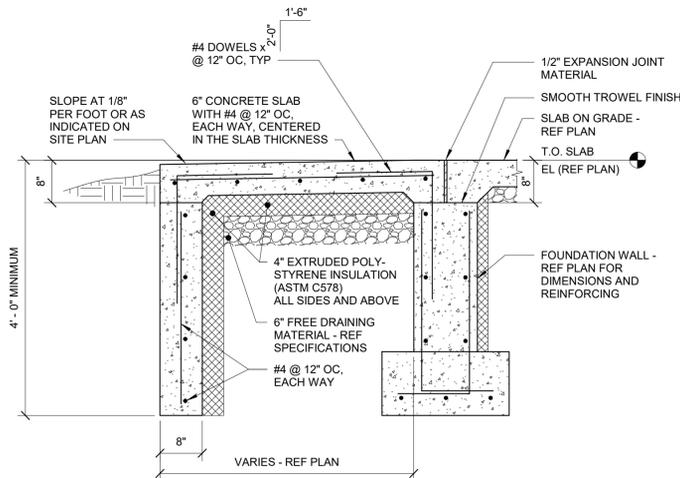
3 TYPICAL SLAB ON GRADE CONTROL JOINT

1" = 1'-0"



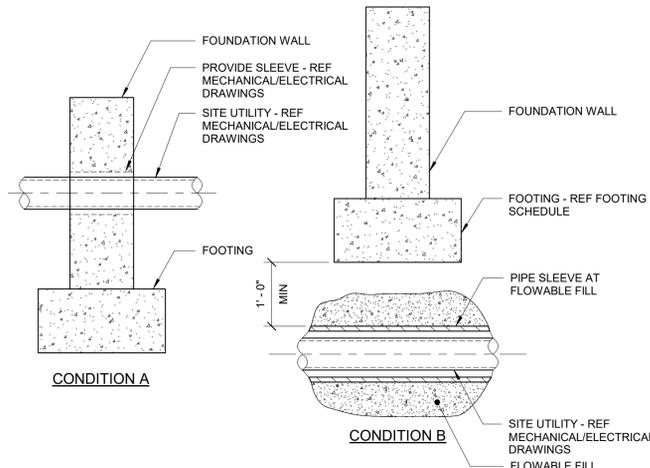
4 TYPICAL HOUSEKEEPING PAD

3/4" = 1'-0"
 NOTES:
 1. VERIFY SIZE AND LOCATION OF HOUSEKEEPING PADS WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
 2. UNO, PADS TO BE 4" THICK REINFORCED WITH 6x6 W1.4xW1.4 WWR.



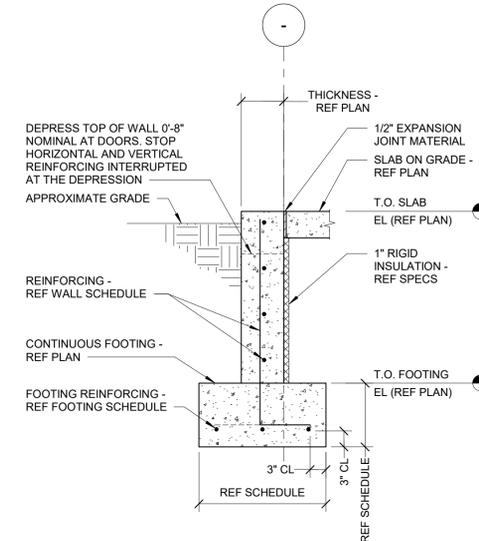
5 TYPICAL STOOP SECTION

3/4" = 1'-0"
 NOTES:
 1. REFER TO PLAN DRAWINGS FOR STOOP LAYOUT AND LOCATIONS.
 2. REFER TO TYPICAL FOUNDATION WALL DETAIL FOR INFORMATION NOT SHOWN.
 3. AT CONTRACTORS OPTION, FILL AREA UNDER STOOP WITH LEAN CONCRETE FILL. KEEP REINFORCEMENT AT PERIMETER AS SHOWN.
 4. PROVIDE 2'-6" x 2'-6" CORNER BARS AT STOOP WALLS CORNERS AND TO FOUNDATION WALL. MATCH HORIZONTAL BAR SIZE AND SPACING.



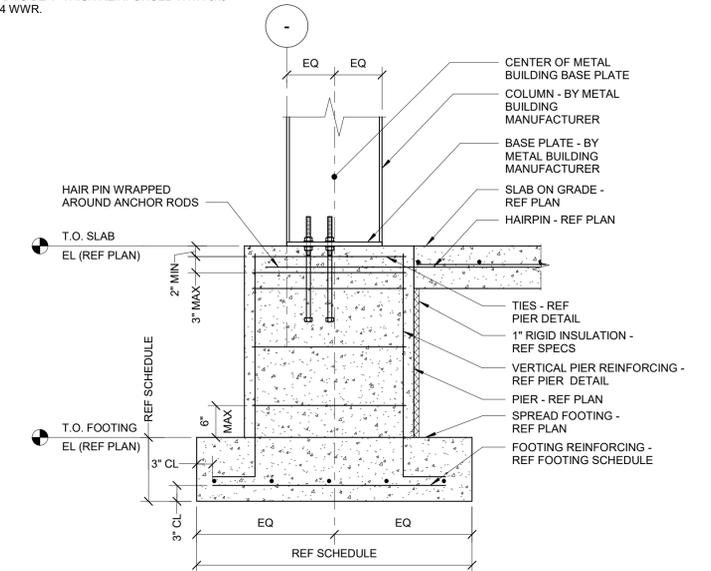
6 TYPICAL FOUNDATION DETAILS AT SITE UTILITIES

3/4" = 1'-0"
 NOTES:
 1. REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC., OF SITE UTILITIES.
 2. DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 3'-0". FOR WIDTHS GREATER THAN 3'-0", REFERENCE PLAN FOR REQUIRED DETAIL.
 3. CONDITION B DOES NOT APPLY AT SPREAD FOOTING SITUATIONS. GENERAL CONTRACTOR SHALL NOTIFY ENGINEER SHOULD SUCH A CONDITION ARISE AND AWAIT FURTHER INSTRUCTIONS.



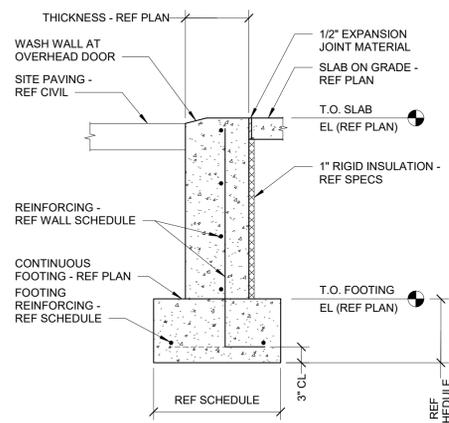
7 TYPICAL FOUNDATION WALL

3/4" = 1'-0"



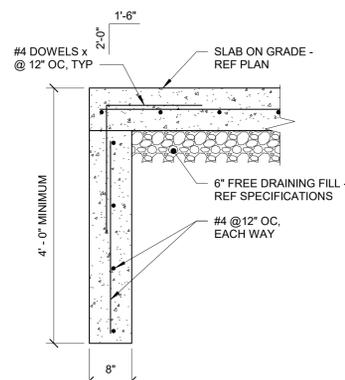
8 SPREAD FOOTING WITH PIER AT METAL BUILDING COLUMN

3/4" = 1'-0"



9 FOUNDATION AT OVERHEAD DOOR

3/4" = 1'-0"



10 FOUNDATION SECTION

3/4" = 1'-0"

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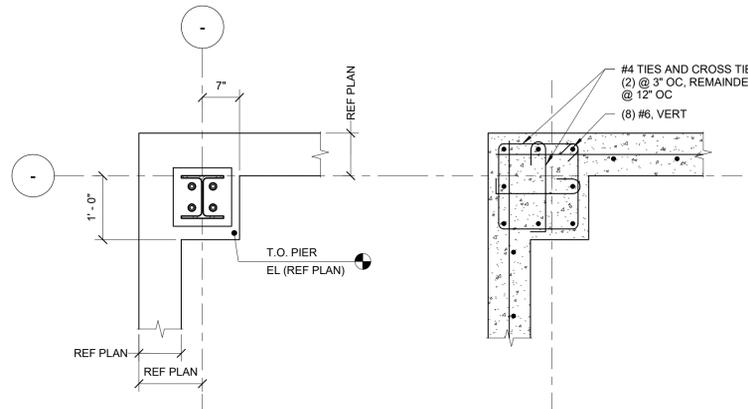
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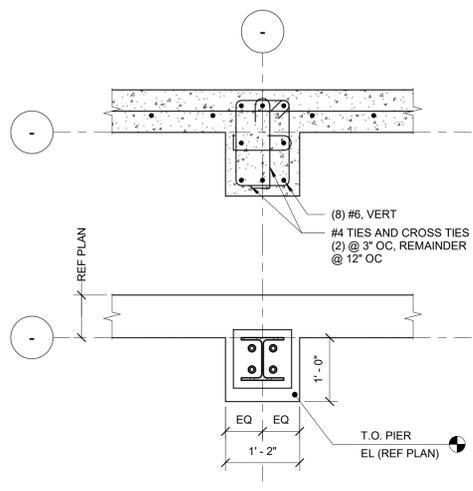
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 RODEFELD LANDFILL
 DANE COUNTY, WISCONSIN
 DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 FOUNDATION DETAILS

SHEET NO.
S300
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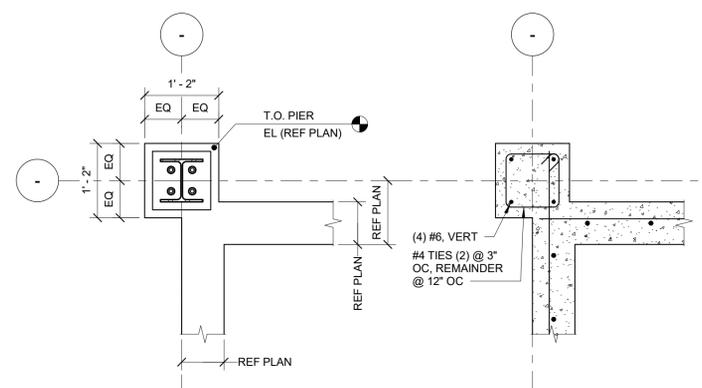




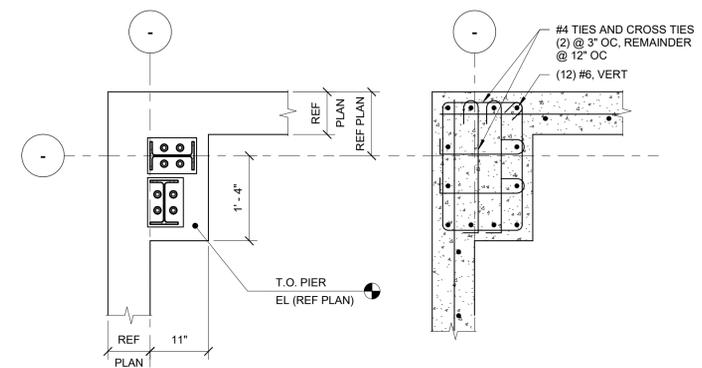
1 PIER (P1) DETAIL
3/4" = 1'-0"



2 PIER (P2) DETAIL
3/4" = 1'-0"



3 PIER (P3) DETAIL
3/4" = 1'-0"



4 PIER (P4) DETAIL
3/4" = 1'-0"



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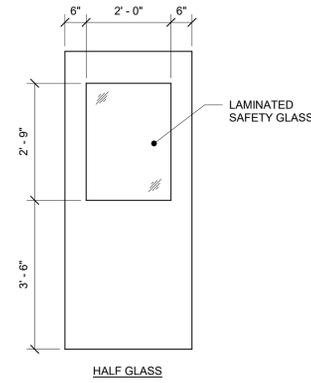
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FOUNDATION DETAILS

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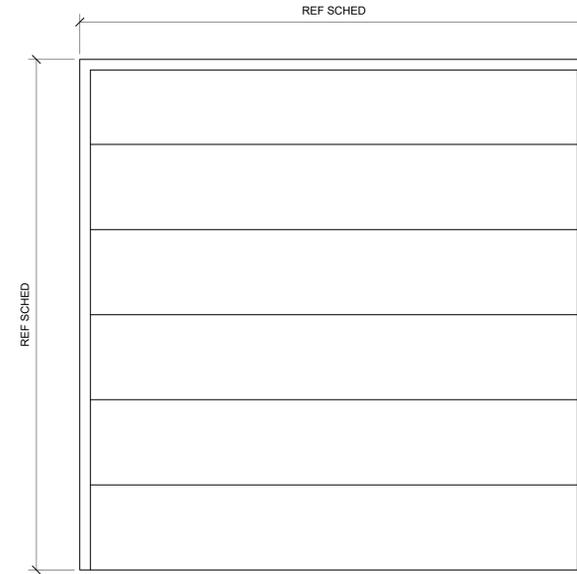
HOLLOW METAL DOOR SCHEDULE										
DOOR MARK	DOOR					FRAME		DETAIL		FIRE RATING
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	THICKNESS	MATERIAL	HEAD	JAMB	
D1	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D2	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D3	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D4	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D5	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D6	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D7	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE
D8	3'-0"	7'-0"	1 3/4"	METAL	PRIMED	2"	HOLLOW METAL	4/S501	5/S501	NONE

OVERHEAD DOOR SCHEDULE										
DOOR MARK	DOOR					FRAME		DETAIL		FIRE RATING
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	THICKNESS	MATERIAL	HEAD	JAMB	
OD1	12'-0"	12'-0"	1"	METAL	PREFINISH	BY METAL BUILDING MANUFACTURER	6/S501	7/S501	NONE	NONE
OD2	8'-0"	8'-0"	1"	METAL	PREFINISH	BY METAL BUILDING MANUFACTURER	6/S501	7/S501	NONE	NONE
OD3	8'-0"	10'-0"	1"	METAL	PREFINISH	BY METAL BUILDING MANUFACTURER	6/S501	7/S501	NONE	NONE
OD4	10'-0"	10'-0"	1"	METAL	PREFINISH	BY METAL BUILDING MANUFACTURER	6/S501	7/S501	NONE	NONE
OD5	10'-0"	10'-0"	1"	METAL	PREFINISH	BY METAL BUILDING MANUFACTURER	6/S501	7/S501	NONE	NONE

WINDOW SCHEDULE							
MARK	HEIGHT	WIDTH	HEAD HEIGHT	SILL HEIGHT	HEAD DETAIL	SILL DETAIL	JAMB DETAIL
W1	5'-0"	5'-0"	8'-4"	3'-4"	11/S501	12/S501	13/S501

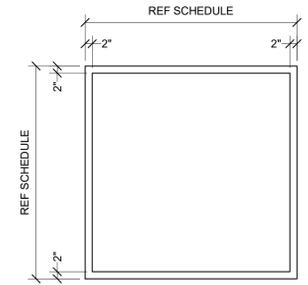


1 DOOR ELEVATION
1/2" = 1'-0"



2 OVERHEAD DOOR ELEVATION
1/2" = 1'-0"

- NOTES:
- OVERHEAD DOORS ARE COILING DOORS. WHEN OPENED, THESE DOORS MUST ROLL UP. THEY MUST NOT TRAVEL ALONG THE CEILING, LIKE A TYPICAL GARAGE DOOR.



3 WINDOW ELEVATION
1/2" = 1'-0"



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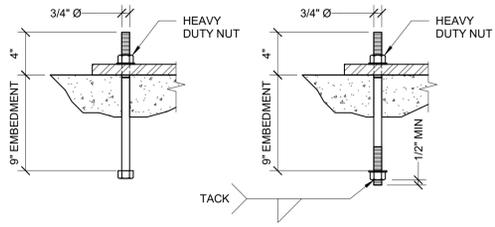
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RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
DOOR DETAILS AND SCHEDULES

SHEET NO.
S400
PROJECT NO.
17002439.00



CONTRACTORS OPTION

1 **TYPICAL METAL BUILDING ANCHOR ROD**

1 1/2" = 1'-0"

NOTES:

1. REFER TO S000 FOR TYPICAL METAL BUILDING ANCHOR ROD NOTES.
2. FOUNDATION DESIGN BASED ON (4) ANCHORS WITH 4'x4' SPACING PATTERN AT EACH COLUMN.



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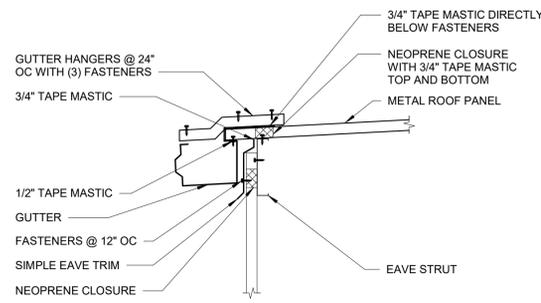
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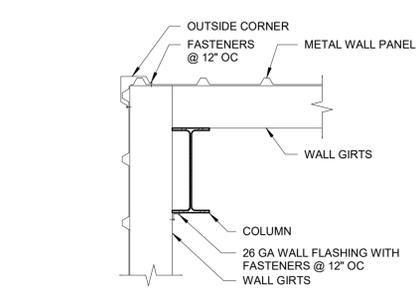
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 FRAMING DETAILS

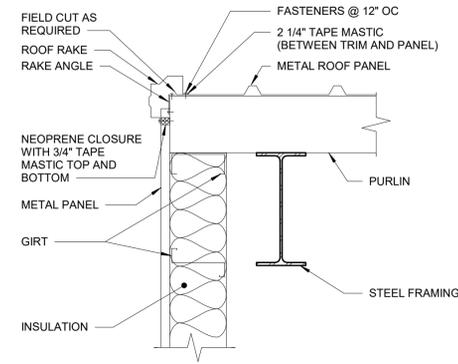
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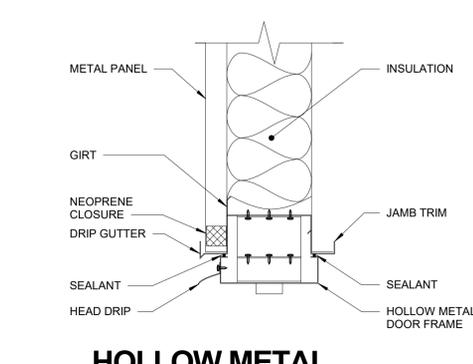
1 EAVE AND GUTTER DETAIL
1" = 1'-0"



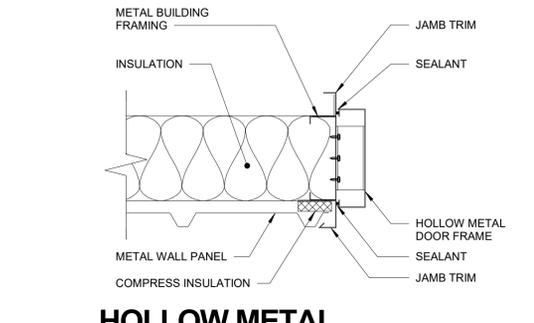
2 OUTSIDE CORNER DETAIL
3/4" = 1'-0"



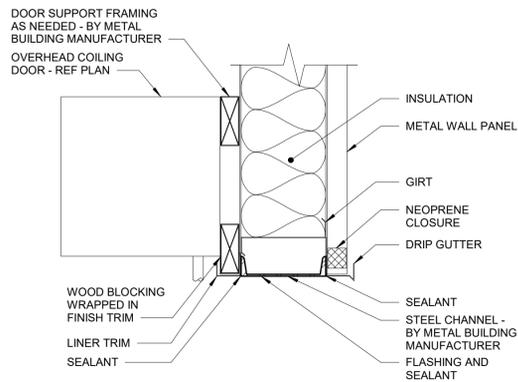
3 RAKE DETAIL
1" = 1'-0"



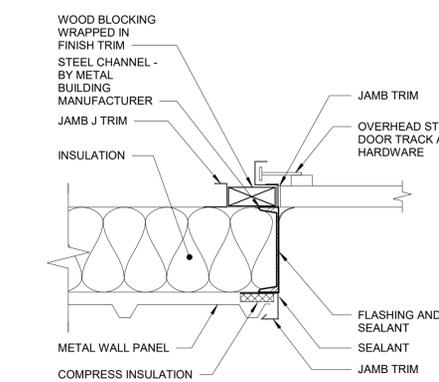
4 HOLLOW METAL DOOR HEAD AT METAL PANEL
1 1/2" = 1'-0"



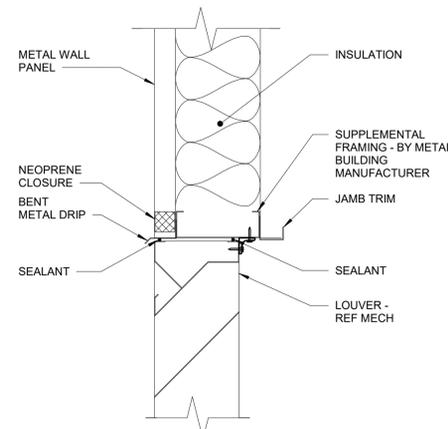
5 HOLLOW METAL DOOR JAMB AT METAL PANEL
1 1/2" = 1'-0"



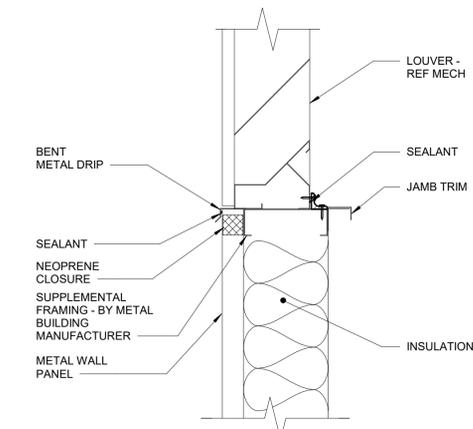
6 OVERHEAD DOOR HEAD AT METAL PANEL
1 1/2" = 1'-0"



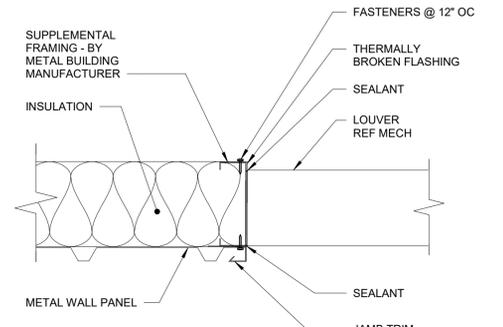
7 OVERHEAD DOOR JAMB AT METAL PANEL
1 1/2" = 1'-0"



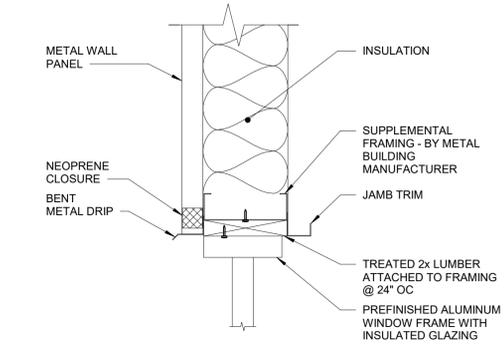
8 LOUVER HEAD DETAIL
1 1/2" = 1'-0"



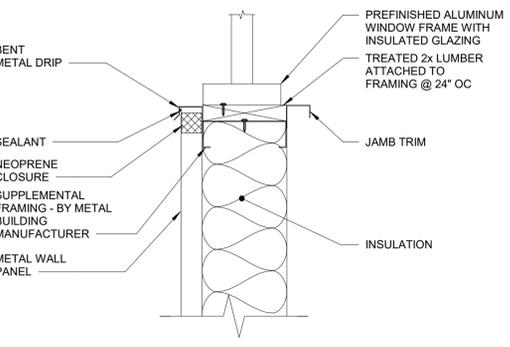
9 LOUVER SILL DETAIL
1 1/2" = 1'-0"



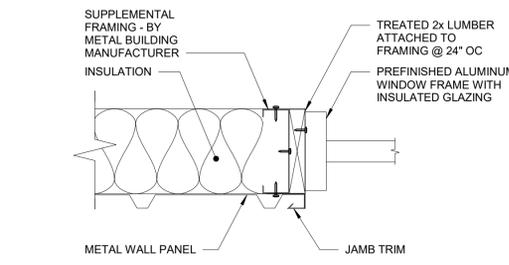
10 LOUVER JAMB DETAIL
1 1/2" = 1'-0"



11 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



12 WINDOW SILL DETAIL
1 1/2" = 1'-0"



13 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



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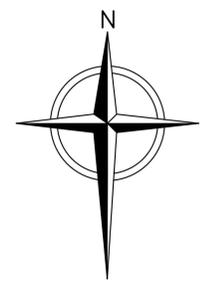
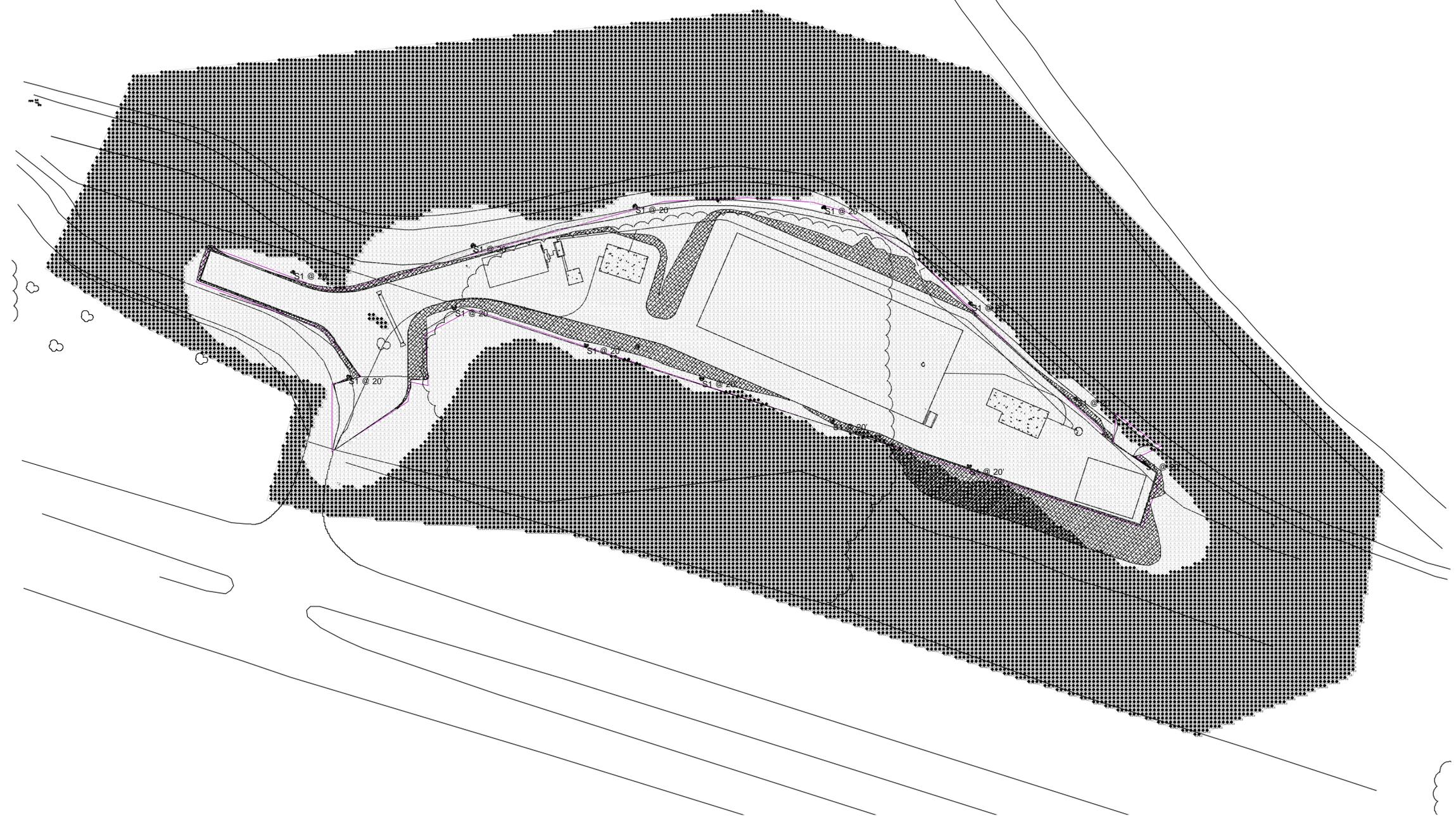
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FRAMING DETAILS

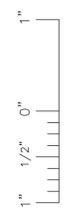
SHEET NO.
S501
PROJECT NO.
17002439.00

Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Footcandle	Lumens per Lamp	LLF	Wattage
□	S1	13	Beacon Products	WPL 96L-220-8K7-4W-BC	LARGE VAPER	X-70 CRI	1	14811	14811	0.85	230.6

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Construction Boundary	+	0.0 fc	5.5 fc	0.0 fc	N/A	N/A
Lot and Drives	+	1.2 fc	7.0 fc	0.0 fc	N/A	N/A



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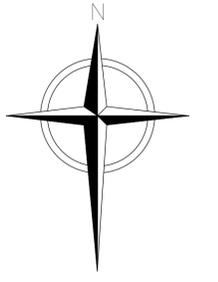
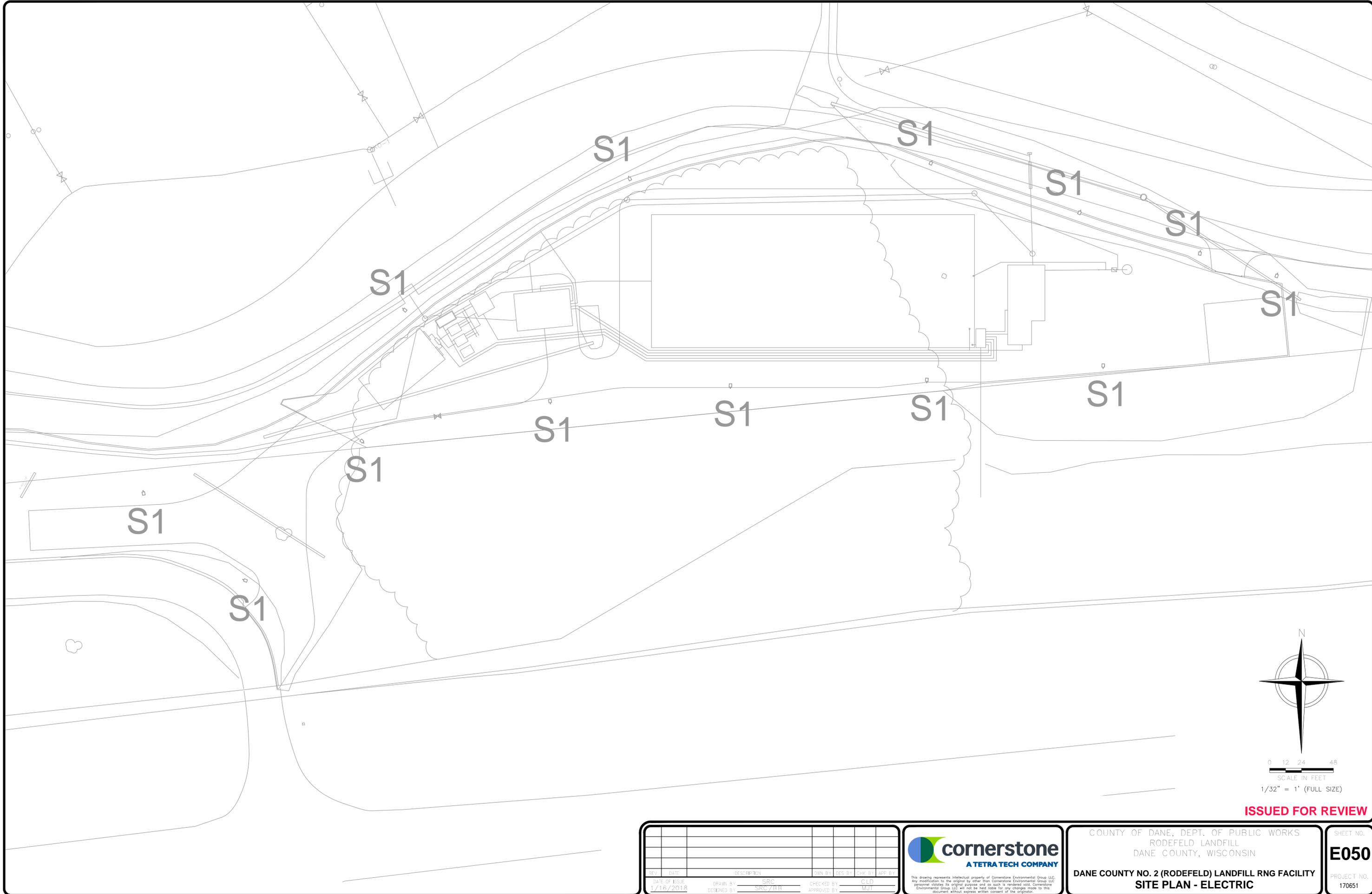


COUNTY OF DANE, DEPT. OF PUBLIC WORKS
 RODEFELD LANDFILL
 DANE COUNTY, WISCONSIN
DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
SITE PHOTOMETRIC PLAN

SHEET NO.
E001
 PROJECT NO.
 170651

1" = 1/2" = 0" = 1"

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0 12 24 48
SCALE IN FEET
1/32" = 1' (FULL SIZE)

ISSUED FOR REVIEW

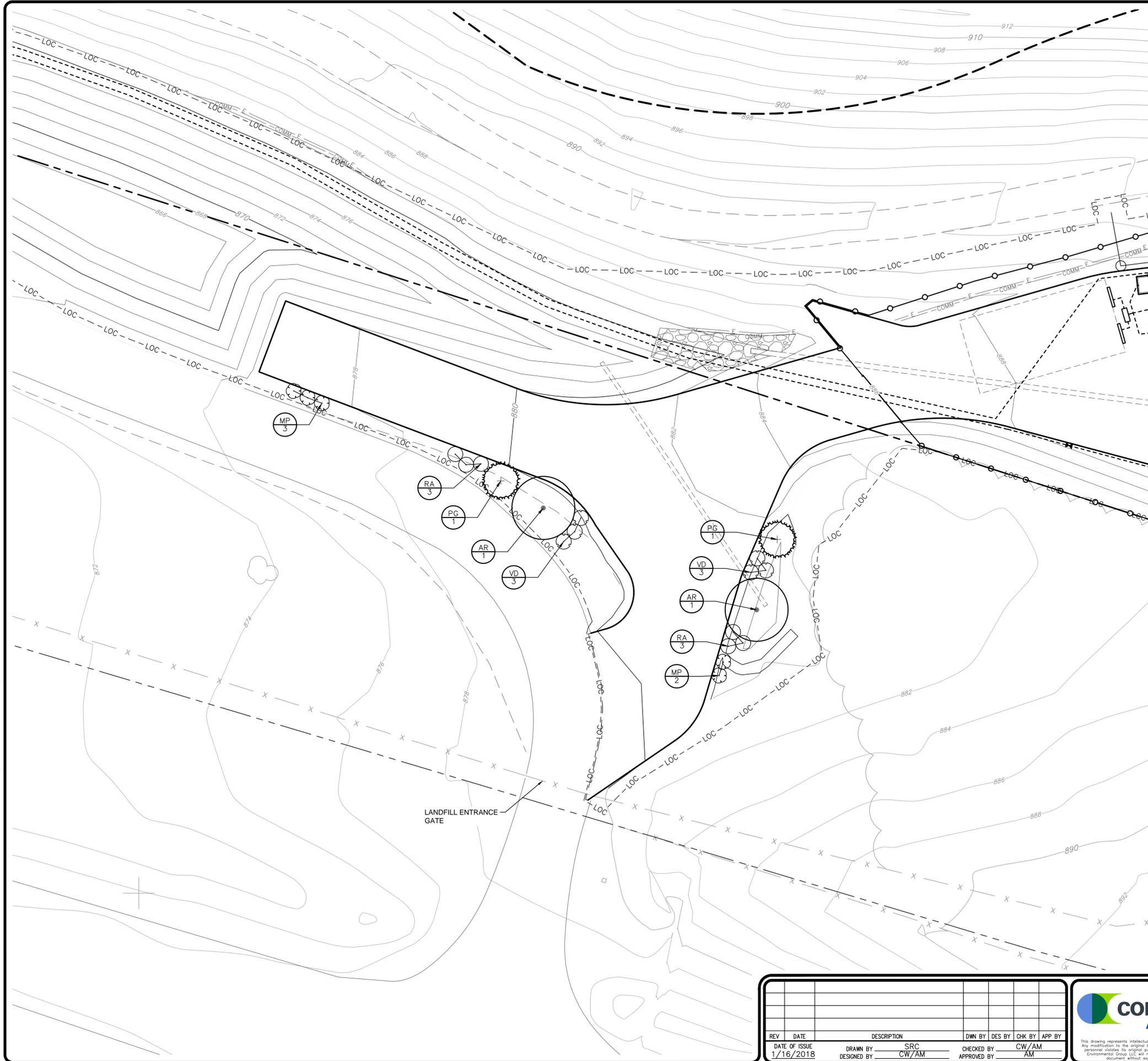
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DATE OF ISSUE		DRAWN BY		CHECKED BY		APP. BY
1/16/2018		SRC/7HB		CLD		MJI
		DESIGNED BY		APPROVED BY		



COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN
**DANE COUNTY NO. 2 (RODEFELD) LANDFILL RING FACILITY
SITE PLAN - ELECTRIC**

SHEET NO.
E050
PROJECT NO.
170651

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 1" = 1/2" 0"



LEGEND

	APPROXIMATE PROPERTY BOUNDARY
	SOLID WASTE BOUNDARY
	EXISTING 2' CONTOUR
	EXISTING 10' CONTOUR
	EXISTING TREE LINE
	EXISTING TREE/SHRUB
	EXISTING FENCE
	EXISTING ROAD
	EXISTING UNPAVED ROAD
	EXISTING COMMUNICATION (FIBER OPTICS)
	PROPOSED LIMITS OF CONSTRUCTION
	PROPOSED 2' CONTOUR
	PROPOSED 10' CONTOUR
	PROPOSED FENCE
	PROPOSED GAS PIPE
	PROPOSED STORM WATER PIPE
	PROPOSED RIP RAP

- NOTES:**
- TOPOGRAPHIC FEATURES ARE ON NAD 27 WISCONSIN STATE PLANES, SOUTH ZONE, US FOOT AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).
 - VERTICAL DATUM IS REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM (NGVD) AS STATED ON THE PLAN OF OPERATION - EASTERN EXPANSION BY TRC (FEBRUARY 2014).

PLANTING SYMBOL LEGEND:

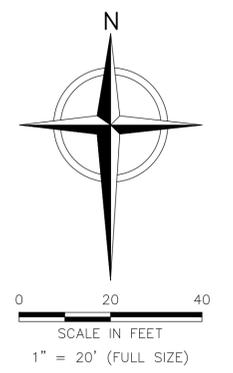
	KEY NAME
	QUANTITY

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES					
AR	2	Acer rubrum 'October Glory' TM	October Glory Maple	2 1/2" B&B	30' O.C.
PG	2	Picea glauca 'Densata'	Black Hills Spruce	10' HT.	15' O.C.
SHRUBS					
MP	5	Myrica pensylvanica	Northern Bayberry	3 gal.	6' O.C.
RA	6	Rhus aromatica	Fragrant Sumac	3 gal.	6' O.C.
VD	6	Viburnum dentatum	Viburnum	3 gal.	6' O.C.

Amy J. Murdick
1/16/2018

WISCONSIN
AMY J. MURDICK
LA-660
ANN ARBOR
MICH.
LANDSCAPE ARCHITECT



ISSUED FOR REVIEW

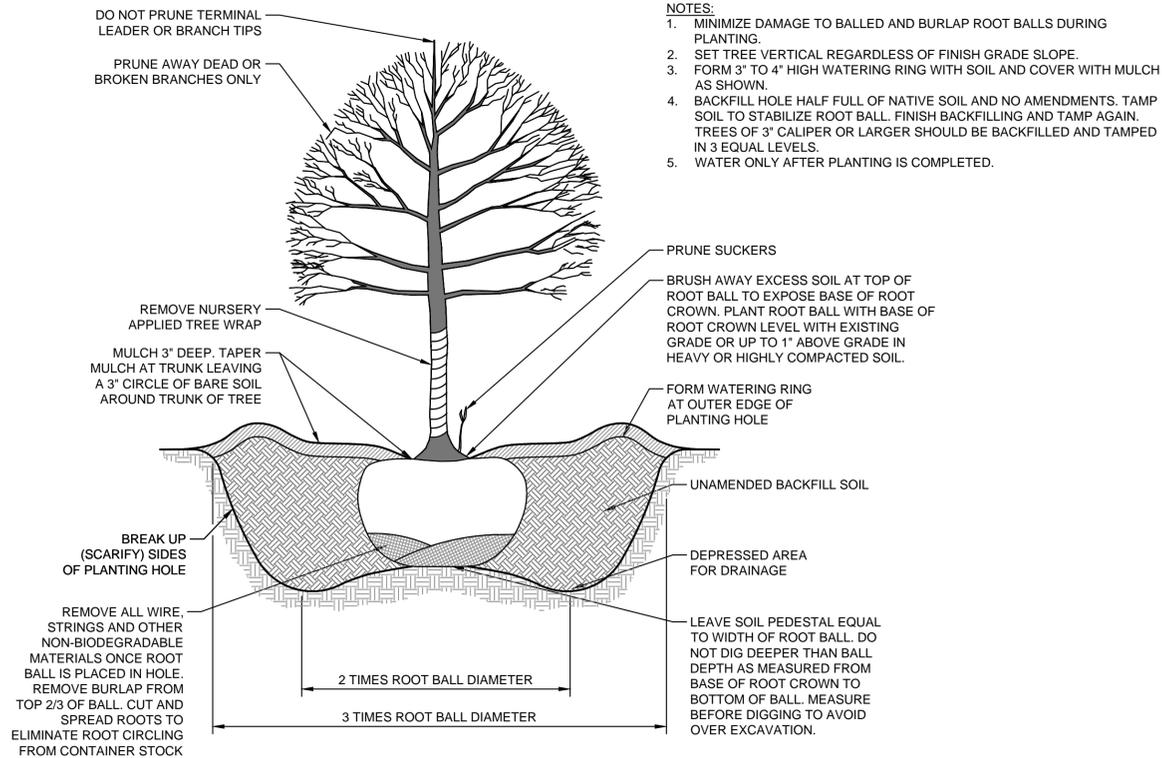
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE: 1/16/2018
 DRAWN BY: SRC
 DESIGNED BY: CW/AM
 CHECKED BY: CW/AM
 APPROVED BY: AM



COUNTY OF DANE, DEPT. OF PUBLIC WORKS
 RODEFELD LANDFILL
 DANE COUNTY, WISCONSIN
**DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
 LANDSCAPING PLAN**

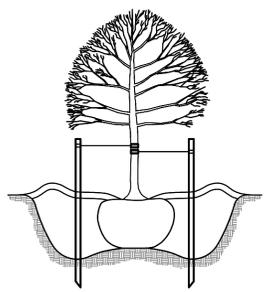
SHEET NO.
L101
 PROJECT NO.
 170651



- NOTES:
1. MINIMIZE DAMAGE TO BALLED AND BURLAP ROOT BALLS DURING PLANTING.
 2. SET TREE VERTICAL REGARDLESS OF FINISH GRADE SLOPE.
 3. FORM 3" TO 4" HIGH WATERING RING WITH SOIL AND COVER WITH MULCH AS SHOWN.
 4. BACKFILL HOLE HALF FULL OF NATIVE SOIL AND NO AMENDMENTS. TAMP SOIL TO STABILIZE ROOT BALL. FINISH BACKFILLING AND TAMP AGAIN. TREES OF 3" CALIPER OR LARGER SHOULD BE BACKFILLED AND TAMPED IN 3 EQUAL LEVELS.
 5. WATER ONLY AFTER PLANTING IS COMPLETED.

DO NOT STAKE UNLESS IN HEAVY CLAY SOILS OR WINDY CONDITIONS ARE DETERMINED BY LANDSCAPE ARCHITECT. IF STAKING IS REQUIRED:

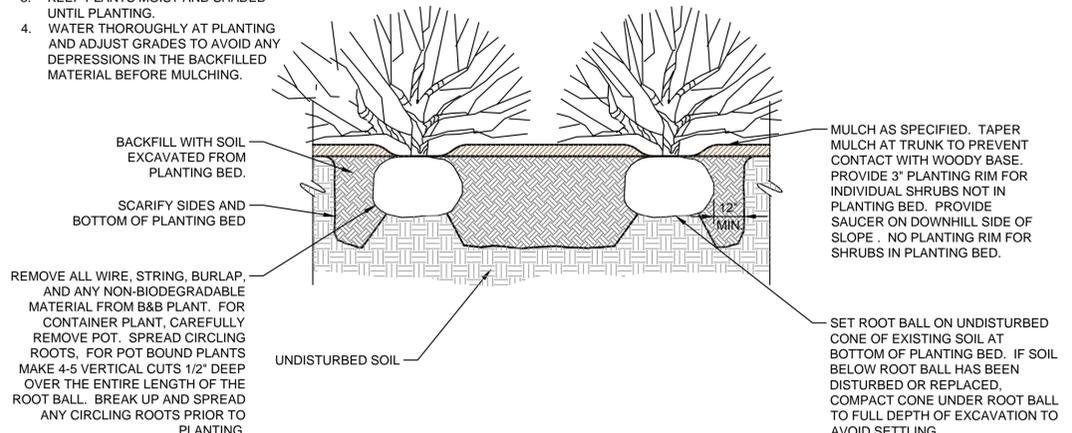
1. STAKE WITH 2X2 HARDWOOD STAKES OR APPROVED METAL POST DRIVEN INTO SOIL OUTSIDE OF ROOT BALL, (3) PER TREE.
2. SECURE TO TREE USING 1" 'CHAINLOCK' OR LANDSCAPE ARCHITECT APPROVED TREE TIE MATERIAL. SECURE TREE TIE MATERIAL TO STAKE PER MANUFACTURER'S RECOMMENDATIONS. LOOP TIE AROUND TREE TO PROVIDE 1" SLACK FOR TRUNK GROWTH.
3. REMOVE ALL STAKING MATERIAL AFTER (1) YEAR



DECIDUOUS TREE PLANTING DETAIL

NO SCALE

- NOTES:
1. PRUNE ONLY DEAD OR BROKEN BRANCHES.
 2. ALL PLANTS SHALL BE SET PLUMB, EVEN WHEN PLANTED ON A SLOPE. SPACE SHRUBS PER PLANTING PLAN, LAYOUT VARIES.
 3. KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 4. WATER THOROUGHLY AT PLANTING AND ADJUST GRADES TO AVOID ANY DEPRESSIONS IN THE BACKFILLED MATERIAL BEFORE MULCHING.



SHRUB PLANTING DETAIL

NO SCALE

Amy J. Murdick
1/16/2018

WISCONSIN
AMY J. MURDICK
LA-660
ANN ARBOR
MICH.
LANDSCAPE ARCHITECT

ISSUED FOR REVIEW

1" = 1/2" = 0"

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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
DATE OF ISSUE	1/16/2018					
DRAWN BY	SRC	CHECKED BY	CW/AM			
DESIGNED BY	CW	APPROVED BY	AM			



COUNTY OF DANE, DEPT. OF PUBLIC WORKS
RODEFELD LANDFILL
DANE COUNTY, WISCONSIN

**DANE COUNTY NO. 2 (RODEFELD) LANDFILL RNG FACILITY
LANDSCAPE DETAILS**

SHEET NO.
L102

PROJECT NO.
170651

This drawing represents Intellectual property of Cornerstone Environmental Group LLC. Any modification to the original by other than Cornerstone Environmental Group LLC personnel violates its original purpose and as such is rendered void. Cornerstone Environmental Group LLC will not be held liable for any changes made to this document without express written consent of the originator.

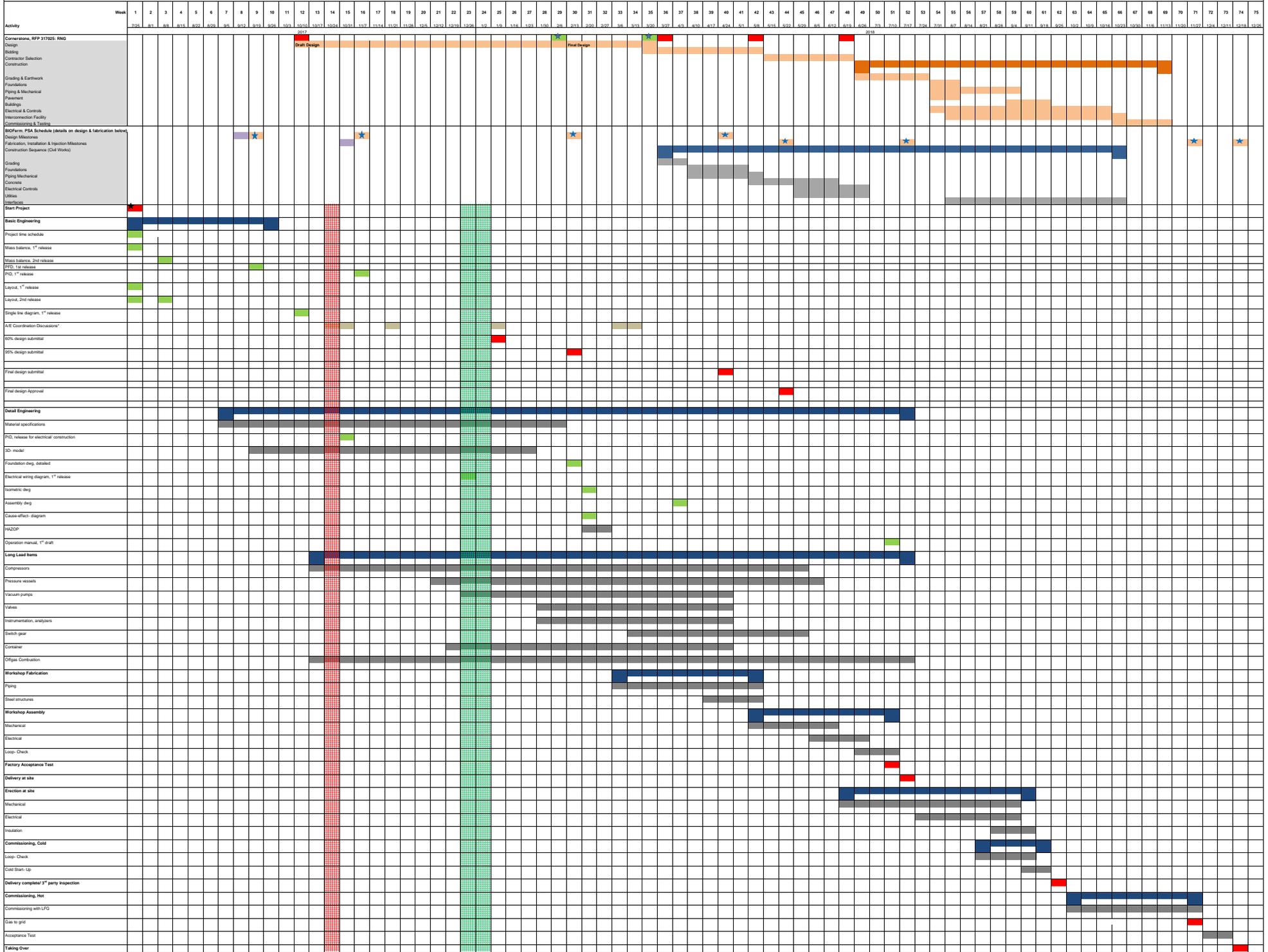
Attachment F – Anticipated Construction Schedule

Project Time Schedule

Client: **Dane County Public Works**
 Project ID: **C&E19171**
 Date: **1/14/2018**

Project: **Dane County Landfill Site #2**
 Plant Type: **Biogas**
 Revision: **10**

Contract: **NTP**
 BICFerm: **Summary task**
 Interface: **Interface Discussion/Coordination (if weeks added)**



Attachment G – Arborist Report

From: [Alves, Adam](#)
To: [Welch, John](#)
Subject: Landfill tree data
Date: Wednesday, December 06, 2017 3:23:13 PM
Attachments: [LandfillTrees.pdf](#)
[Landfill_TreeSummary_12_6_2017.xlsx](#)

Hi John I did A survey of the area you requested, on 12/6/2017, and took some measurement and data points with GIS, I did not incorporate all the trees in the area as it would be very time consuming but. The Data encompasses the overall health of the area requested.

The stand is a mixture of hardwoods composing primarily Bur Oak, Red Oak, Black Cherry, a limited number of Shagbark Hickories, with Pockets of Box Elder in the eastern section of the stand along with some Red Pine on the Eastern Periphery. The Understory is primarily Composed of Boxelder, Mixed Oaks, some Buckthorn, Black locusts, Honeysuckle, Cherry, and Cotton woods coming up. There is staghorn sumac growing nearer to 12/18

The stand is NOT over mature, it appears healthy, it is showing good signs of mixed regeneration even with some noted invasive species (Buckthorn and Honeysuckle). There were two Ash trees in the stand that I noted that did have EAB (emerald Ash Borer) I did not see any others in the stand, EAB does not pose a threat to the stand, as Ash trees do not compose a major component to the stand make up in either the understory or canopy. The only potential health threat at this time as I see it would be Oak Wilt., I don't see it being a major concern from a screening perspective, however, in the event of Oak Wilt entering the stand, as the make up of the stand is diverse enough that it could tolerate significant loss of Oak trees and still maintain a good mix of remaining trees growing from the understory. It is also unlikely in my opinion for the introduction of Oak wilt into the stand based upon my knowledge of work performed in this area i.e. It does not receive pruning maintenance and is maintained as a natural area.

The average size of trees in the stand is 19 inches base off of sampling I took, I did not measure anything less than 10 inches which comprises the majority of the trees in the stand. (If I remove the 40+” Bur oaks the Average size Trees in the stand are 16” which is probably more representative of the overall stand) majority 66% of the trees sampled are at a minimum in good condition, showing minimal decay, no obvious structural defects and less than 10-20% dead wood in the canopy. The smaller younger trees not sampled generally seemed to also be in good condition as well.

In short the area should provide sufficient screening for decades to come with current management strategies (minimal), in the area you outlined.

My credentials are below, if there are any questions, feel free to call me or email me.

Adam Alves

Forester Specialist

Board Certified Master Arborist

SO-5628B

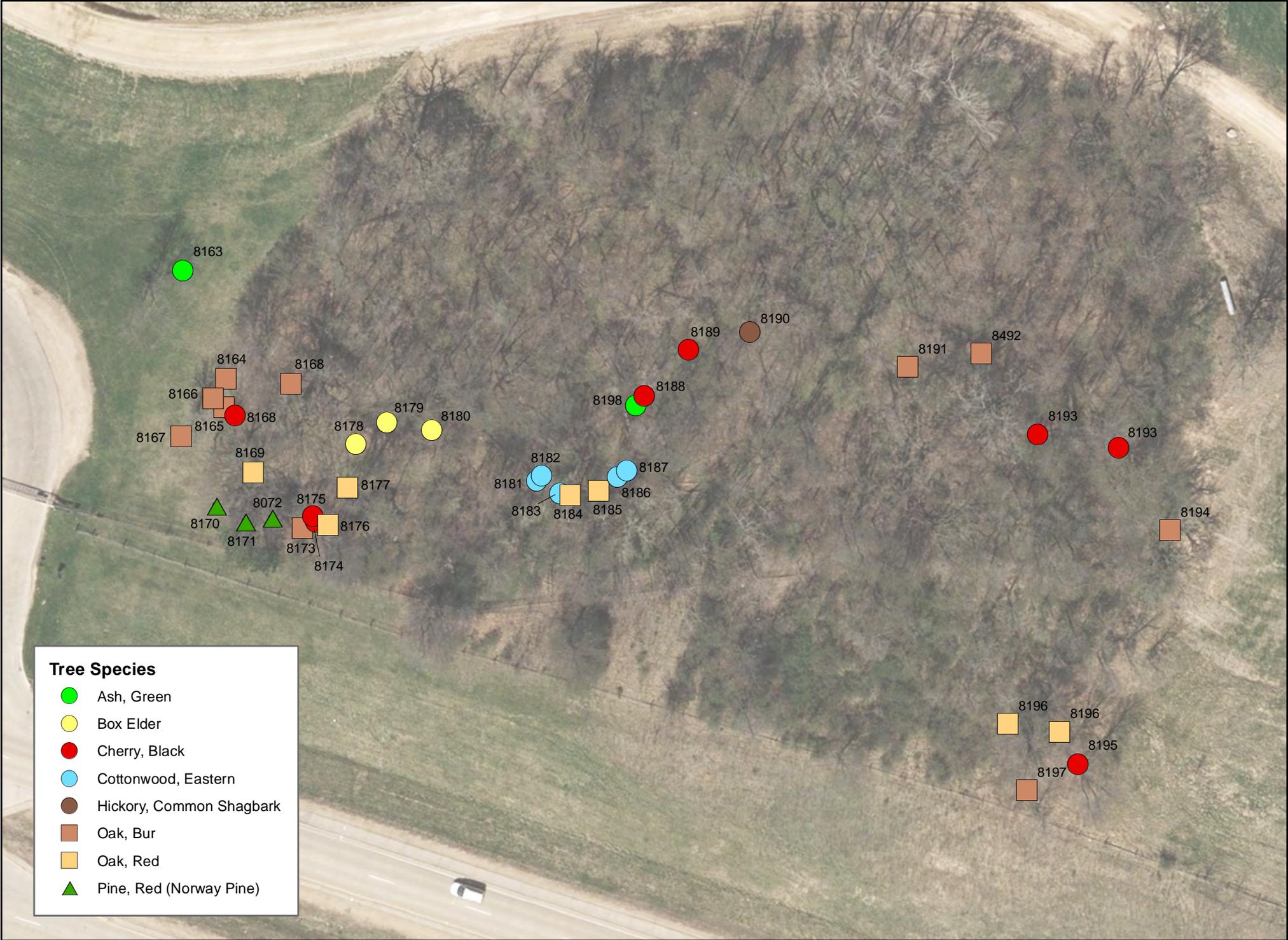
Parks Division
Dane County Land and Water Resources Department
4318 Robertson Rd
Madison Wi
53714
608-220-7512

Dane County Landscape Tree Inventory for Landfill Area



0 20 40 60 80
Feet

Digital orthophoto from April 2017.
Created 12/6/2017 by Dane County Parks.



Dane County Landscape Tree Inventory for Landfill Area

Created December 6, 2017 by Dane County Parks.

TREEID	TYPECODE	SPECIES	DBHIN	CONDITION	COMMENTS
8072	RP	Pine, Red (Norway Pine)	14	Good	
8163	GA	Ash, Green	14	Poor	eab
8164	BUO	Oak, Bur	8	Good	
8165	BUO	Oak, Bur	8	Very Good	
8166	BUO	Oak, Bur	12	Very Good	
8167	BUO	Oak, Bur	8	Good	
8168	BC	Cherry, Black	18	Fair	
8168	BUO	Oak, Bur	40	Good	
8169	RO	Oak, Red	36	Good	
8170	RP	Pine, Red (Norway Pine)	10	Fair	
8171	RP	Pine, Red (Norway Pine)	18	Good	
8173	BUO	Oak, Bur	12	Very Good	
8174	BC	Cherry, Black	14	Good	
8175	BC	Cherry, Black	12	Fair	
8176	RO	Oak, Red	20	Poor	
8177	RO	Oak, Red	12	Good	
8178	BOX	Box Elder	10	Fair	
8179	BOX	Box Elder	14	Fair	
8180	BOX	Box Elder	10	Fair	
8181	EC	Cottonwood, Eastern	10	Fair	
8182	EC	Cottonwood, Eastern	10	Good	
8183	EC	Cottonwood, Eastern	12	Fair	
8184	RO	Oak, Red	18	Good	
8185	RO	Oak, Red	14	Good	
8186	EC	Cottonwood, Eastern	14	Fair	
8187	EC	Cottonwood, Eastern	20	Good	
8188	BC	Cherry, Black	14	Good	
8189	BC	Cherry, Black	24	Good	
8190	CSH	Hickory, Common Shagbark	18	Good	
8191	BUO	Oak, Bur	42	Good	
8193	BC	Cherry, Black	14	Good	
8193	BC	Cherry, Black	30	Good	
8194	BUO	Oak, Bur	32	Good	
8195	BC	Cherry, Black	28	Fair	
8196	RO	Oak, Red	18	Good	
8196	RO	Oak, Red	42	Good	
8197	BUO	Oak, Bur	14	Very Good	
8198	GA	Ash, Green	18	Poor	eab
8492	BUO	Oak, Bur	48	Very Poor	significant decay

Attachment H – Specific Zoning Text

Specific Zoning Text

Statement of Purpose: Dane County is seeking to amend PD (Planned Development District) Zoning for 217 acres of land to allow for the continued operation of the Rodefeld Landfill located in the northwestern quadrant of USH 12 & 18 and CTH AB.

Permitted Uses: The following uses shall be permitted in this PD zoning district:

1. Waste disposal, including the transfer and handling of hauled waste
2. Recycling and the storage, processing and transfer of recycled materials, including but not limited to yard waste/ compost, construction and demolition waste, tires, and shingles.
3. The handling, processing, trading and storage of household hazard waste (Clean Sweep).
4. Waste-To-Energy facilities.
5. Uses accessory to the permitted uses as listed above, including but not limited to fueling stations, a maintenance shop, scale house, perimeter roads, soil screening berms, and sedimentation basins.
6. Landfill biogas processing facility and trailer off-loading station.

Lot Area: As stated in Attachment E, attached hereto.

Height and Floor Area Ratio: As shown on approved plans

Yard Requirements: Yard areas will be provided as shown on approved plans. Proposed waste limits will maintain a setback of at least 100-feet to property lines and road right-of-ways.

Landscaping: Site landscaping and screening will be provided as shown on the approved plans.

Accessory Off-Street Parking & Loading: Accessory off-street parking and loading will be provided as shown on approved plans.

Lighting: Site lighting will be provided as shown on approved plans.

Signage: Signage will be allowed as per Chapter 31 of Madison General Ordinances, as compared to the IL zoning district, and as approved by the Zoning Administrator and the Urban Design Commission or its secretary.

Alterations and Revisions: No alteration or revision of this planned development shall be permitted unless approved by the Plan Commission, however, the Zoning Administrator may issue permits for minor alterations or additions which are approved by the Director of Planning and Community and Economic Development in consultation with the alderperson of the district and are compatible with the concept approved by the Plan Commission.

Attachment I – Supplementary Agreements

LEASE

(This document is a lease of less than 99 years and not a conveyance subject to Transfer Return and fee per Sec. 77.21(1) Wis. Stats.)

This Lease, entered into this _____ day of _____, 2014, by and between the **City of Madison**, a Wisconsin municipal corporation, located in Dane County, Wisconsin (the "City"), and the **County of Dane**, a Wisconsin municipal corporation (the "County").

WITNESSETH:

NOW, THEREFORE, it is mutually agreed as follows:

1. Leased Premises. The City hereby leases to the County a parcel of land (the "Leased Premises") identified as Parcel "C-1" on Exhibit A and described on Exhibit B which exhibits are attached and made a part of this Lease.
2. Term. This Lease shall be for a term of one (1) year, subject to early termination pursuant to the terms of this Lease. This Lease shall commence as of May 1, 2014 (the "Effective Date") and expire on April 30, 2015.
3. Renewal. This Lease will automatically continue for successive terms of one (1) year each, unless terminated in accordance with Paragraph 13.
4. Rent.
 - a. The County shall pay rent to the City an annual rent of One and no/00 Dollar (\$1.00).
 - b. All payments are to be made payable to the City Treasurer and sent or personally delivered to the Community and Economic Development Unit at the address specified in Paragraph 21.
5. Use and Reservation of Use of Leased Premises.
 - a. The County shall use the Leased Premises for groundwater monitoring, soil stockpiles, or other purposes associated with the County's operation of the adjacent Rodefild landfill.
 - b. The County shall in no way encumber, or allow to be encumbered, the City's title to the Leased Premises.
 - c. The City reserves the right of reasonable use and occupation of the Leased Premises, provided that such use and occupancy shall not interfere with or disturb the County's use

RETURN TO: City of Madison
Office of Real Estate Services
P.O. Box 2983
Madison, WI 53701-2983

Tax Parcel No.:251-0710-251-0098-5 (part of)

of the Leased Premises for ground water monitoring, soil stockpiles, or other landfill related purposes.

6. Utilities. The County shall be responsible for all utilities furnished to the Leased Premises, including water and storm water charges.
7. Subletting and Assigning Lease. The County shall not assign this Lease nor sublet the Leased Premises, or any portion thereof, without the prior written consent of the City, which consent the City may withhold in its sole discretion.
8. Maintenance. The County shall be solely responsible for maintaining the Leased Premises, including but not limited to the following: mowing and other turf maintenance, erosion control, tree maintenance, and maintenance and repair of fencing.
9. Liability. Each party shall be responsible for the consequences of its own acts, errors or omissions and for the acts, errors or omissions of its employees, officers, officials, agents, boards, committees and commissions, and shall be responsible for any losses, claims, and liabilities that are attributable to such acts, errors, or omissions including providing its own defense, arising out of this Lease. In situations involving joint liability, each party shall only be responsible for such losses, claims, and liabilities that are attributable to its own acts, errors, or omissions and the acts, errors or omissions of its employees, officers, officials, agents, boards, committees and commissions. It is not the intent of either party to waive, limit or otherwise modify the protections and limitations of liability found in Wis. Stat. 893.80 or any other protections available to the parties by law.
10. Compliance. The County shall observe and promptly and effectively comply with all applicable statutes, rules, orders, ordinances, requirements and regulations of the City, the County of Dane, the State of Wisconsin, the federal government and any other governmental authority having jurisdiction over the Leased Premises. The County may, if in good faith and on reasonable grounds, dispute the validity of any charge, complaint or action taken pursuant to or under color of any statute, rule, order, ordinance, requirement or regulation, defend against the same, and in good faith diligently conduct any necessary proceedings to prevent and avoid any adverse consequence of the same. The County agrees that any such contest shall be prosecuted to a final conclusion as soon as possible and that it will hold the City harmless with respect to any actions taken by any lawful governmental authority with respect thereto.
11. Subordination.
 - a. This Lease is subordinate to rights and privileges granted by the City to public and private utilities across, over or under the Leased Premises.
 - b. The County shall subordinate its rights in this Lease, without compensation, at the request of the City to provide easements and rights-of-way for all current and future public and private utilities across or along the Leased Premises, provided that neither such subordination nor such easements shall interfere, except temporarily during construction or temporarily pursuant to rights which accrue to such easements or rights-of-way, with the use of the Leased Premises under the terms of this Lease.
12. Right of Entry. The City or its representatives shall have the right to enter upon the Leased Premises at any reasonable time for the following purposes:

- a. To make any inspection it may deem expedient to the proper enforcement of any term or condition of this Lease or in the exercise of its municipal powers.
- b. For the purpose of performing work related to any public improvement provided that the City or its representatives restore the Leased Premises to a condition equivalent to that which existed on the date the City initiated the installation of the public improvement. The County agrees to waive any loss of access and to hold the City harmless for any damages resulting from loss of business revenue which may occur during the period of installation of the public improvement.

13. Termination.

- a. The City may terminate this Lease with a minimum of thirty (30) days written notice if the County is in default of any of the terms or conditions of this Lease and does not correct the default within thirty (30) days of receiving written notice. In the event of a default under this Lease which cannot, because of the nature of such default, be cured within said thirty (30) days, then the County shall be deemed to be complying with such notice if promptly upon receipt of such notice the County immediately takes steps to cure the default as soon as reasonably possible and proceeds thereafter continuously with due diligence to cure the default within a period of time which, under all prevailing circumstances, shall be reasonable.
- b. The City may terminate this Lease with a minimum of thirty (30) days written notice in the event the Leased Premises, in the sole discretion of the Wisconsin Department of Transportation, are desired for transportation purposes. Transportation purposes include, without limitation because of enumeration, public alleys, streets, highways, bike paths, sidewalks, and facilities for the development, improvement and use of public mass transportation systems.
- c. The County may terminate this Lease with a minimum of thirty (30) days written notice to the City if the City is in default of any term or condition of this Lease and has not corrected said default prior to the expiration of said thirty (30) day period. In the event of a default which cannot, because of the nature of such default, be cured within said thirty (30) days, the City shall be deemed to be complying with such notice if promptly upon receipt of such notice the City immediately takes steps to cure the default as soon as reasonably possible and proceeds thereafter continuously with due diligence to cure the default within a period of time which, under all prevailing circumstances, shall be reasonable.

14. No Waiver. Failure or delay on the part of either party to enforce any of the terms, covenants, conditions or agreements hereof shall not operate as a waiver thereof nor void or affect the right of the party to enforce the same upon any subsequent default or breach. Except as otherwise provided in this Lease, the rights and remedies herein granted are cumulative and are in addition to any given by statutes, rules of law or otherwise and the use of one remedy shall not be taken to exclude or waive the right to the use of another.

15. Rights Upon Expiration or Termination. Upon the expiration or termination of this Lease for any cause, the County's rights in the Leased Premises shall cease, and the County shall immediately surrender the Leased Premises, subject to the provisions of Paragraph 16.

16. Removal and Disposal of Personal Property. Upon the expiration or termination of this Lease, the County shall remove all of its personal property from the Leased Premises. If the County leaves any of its personal property on the Leased Premises, the City shall have the right to dispose of said property without liability thirty (30) days after the County vacates or abandons the Leased Premises.
17. Hold Over. In the event the County shall continue to occupy or use the Leased Premises after the expiration of this Lease or any renewal or extension thereof, such holding over shall be deemed to constitute a tenancy from month to month, upon the same terms and conditions as herein provided except that rent equal to one-twelfth (1/12) of the annual rent shall be paid monthly in advance, and in no event shall the tenancy be deemed to be year to year.
18. County's Waiver of Relocation Benefits. In the event of the County's vacation of the Leased Premises or if the City terminates this Lease pursuant to the provisions of this Lease, the County hereby waives any rights against the City that may be construed to accrue to the County, its successors and assigns, by provisions of Section 32.19 of the Wisconsin Statutes, as amended.
19. Authorized Agent. The City's Community and Economic Development Unit Director or the Director's designee is hereby designated as the official representative of the City for the enforcement of all provisions in this Lease, with authority to administer this Lease lawfully on behalf of the City.
20. Definition of City and County. The terms "City" and "County" when used herein shall mean either singular or plural, as the case may be, and the provisions of this Lease shall bind the parties mutually, their heirs, personal representatives, successors and assigns.
21. Notices. All notices to be given under the terms of this Lease shall be signed by the person sending the same, and shall be sent by certified mail, return receipt requested and postage prepaid, to the address of the parties specified below:

For the City: City of Madison
 Office of Real Estate Services
 Madison Municipal Building
 215 Martin Luther King, Jr. Boulevard
 P. O. Box 2983
 Madison, WI 53701-2983

For the County: County of Dane
 Land and Water Resources Department
 Attention: Real Estate Officer
 1 Fen Oak Court, Room 223
 Madison, WI 53718

Any party hereto may, by giving five (5) days written notice to the other party in the manner herein stated, designate any other address in substitution of the address shown above to which notice shall be given.

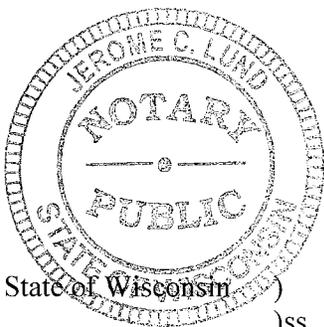
22. Non-Discrimination in Employment. In the performance of the services under this Lease, the County agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs or student status. The County further agrees not to discriminate against any contractor, subcontractor or person who offers to contract or subcontract for services under this Lease because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

23. Severability. If any term or provision of this Lease or the application thereof to the City or the County or circumstances shall, to any extent, be invalid or unenforceable, the remainder of this Lease, or the application of such terms or provisions to the City or the County or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected thereby, and each term and provision of the Lease shall be valid and be enforceable to the fullest extent permitted by law.

24. Entire Agreement. All terms and conditions and all negotiations, representations and promises with respect to this Lease are merged into this Lease. No alteration, amendment, change, or addition to this Lease shall be binding upon the parties unless in writing and signed by them.

25. Public Record. This Lease will be recorded at the office of the Dane County Register of Deeds after it is executed by the parties.

IN WITNESS WHEREOF, the parties have entered into this Lease as of the date first set forth above.



State of Wisconsin)
)ss.
 County of Dane)

CITY OF MADISON

By: *Donald S. Marx*
 Donald S. Marx, Manager
 Office of Real Estate Services

Personally came before me this 13TH day of JUNE, 2014, the above named Donald S. Marx, Manager, Office of Real Estate Services for the City of Madison, acting in said capacity and known by me to be the person who executed the foregoing instrument and acknowledged the same.

Jerome C. Lund
 Notary Public, State of Wisconsin
JEROME C. LUND
 (print or type name of notary)
 My Commission: 10/19/14

COUNTY OF DANE

By: *Joseph T. Parisi*
Joseph T. Parisi, County Executive

By: *Scott McDonell*
Scott McDonell, County Clerk

State of Wisconsin)
)ss.
County of Dane)

Personally came before me this 18th day of June, 2014, the above named Joseph T. Paris, County Executive of the County of Dane, acting in said capacity and known by me to be the person who executed the foregoing instrument and acknowledged the same.

Bonnie Stronach
Notary Public, State of Wisconsin
Bonnie Stronach
(print or type name of notary)
My Commission: 11-4-17

State of Wisconsin)
)ss.
County of Dane)

Personally came before me this 19th day of June, 2014, the above named Scott McDonell, County Clerk of the County of Dane, acting in said capacity and known by me to be the person who executed the foregoing instrument and acknowledged the same.

Judith K. Nowak
Notary Public, State of Wisconsin
Judith K. Nowak
(print or type name of notary)
My Commission: 4/22/17

Execution of this Lease by the City of Madison is authorized by Resolution Enactment No. RES-14-00247, File ID No. 33260, adopted by the Common Council of the City of Madison on April 8, 2014.

Drafted by the City of Madison Office of Real Estate Services Project No. 10268

EXHIBIT B

LEASED PREMISES (Parcel "C-1" as depicted in Exhibit A):

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 25;

THENCE S 0°23'56" W, 33.92 FEET ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 25;

THENCE S 54°10'05" W, 39.31 FEET TO THE WESTERLY RIGHT OF WAY LINE OF CTH "A" (BRANDT ROAD) AND THE POINT OF BEGINNING;

THENCE N 87°07'22" W, 275.30 FEET;

THENCE N 72°25'09" W, 410.47 FEET;

THENCE N 57°00'53" W, 439.54 FEET;

THENCE N 71°50'06" W, 1675.23 FEET TO THE NORTH-SOUTH QUARTER LINE OF SAID SECTION 25;

THENCE S 0°02'39" E ALONG SAID NORTH-SOUTH QUARTER LINE, 201.01 FEET TO THE NORTHERLY RIGHT OF WAY LINE OF USH 12-18, WISCONSIN DEPARTMENT OF TRANSPORTATION RIGHT OF WAY PLAT NUMBER 3080-00-21;

THENCE S 76°01'16" E, 183.75 FEET, RECORDED AS S 76°21'53 E, 183.80 FEET;

THENCE S 72°00'12" E, 503.14 FEET, RECORDED AS S 72°26'09" E, 503.14 FEET;

THENCE S 74°23'06" E, 300.27 FEET, RECORDED AS S 74°45'47" E, 300.25 FEET;

THENCE S 69°42'26" E, 300.27 FEET, RECORDED AS S 70°06'30" E, 300.25 FEET;

THENCE S 72°01'51" E, 296.85 FEET, RECORDED AS S 72°26'09" E, 296.86 FEET;

THENCE S 64°11'45" E, 403.85 FEET, RECORDED AS S 64°36'24" E, 403.76 FEET;

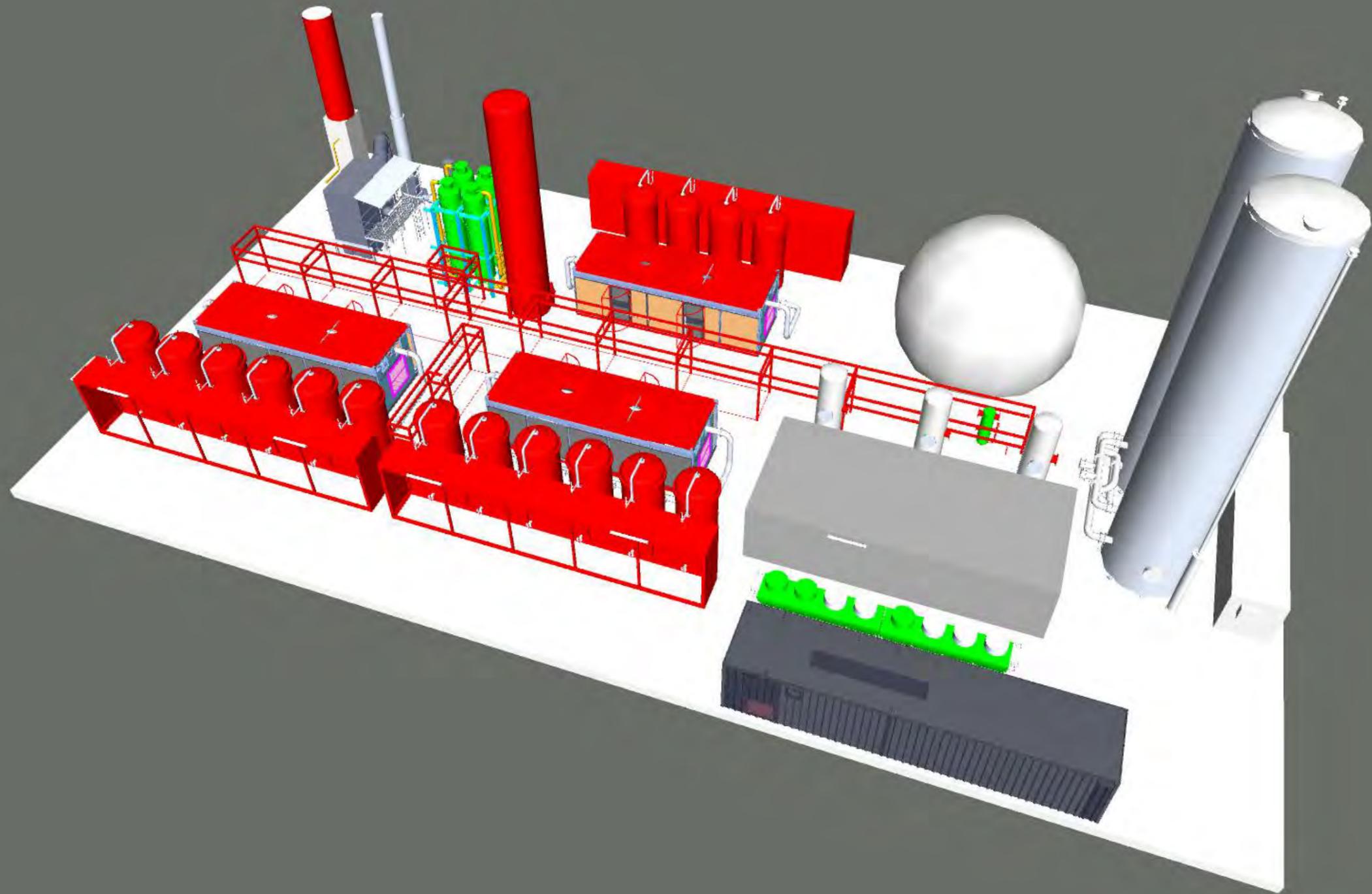
THENCE S 72°03'37" E, 424.91 FEET, RECORDED AS S 72°26'09" E, 424.94 FEET;

THENCE N 88°14'54" E, 241.70 FEET, RECORDED AS N 87°51'54" E, 241.68 FEET;

THENCE N 54°10'05" E, 132.08 E, RECORDED AS N 53°47'05" E, 132.08 FEET TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINS 9.588 ACRES (417657 SQUARE FEET), MORE OR LESS. SUBJECT TO ANY AND ALL RESTRICTIONS AND/OR EASEMENTS OF RECORD.

Attachment J – Biogas Cleaning Equipment Schematic



Attachment K - Sample Photos of Offsite Existing Biogas Facility Site







SPEED
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15





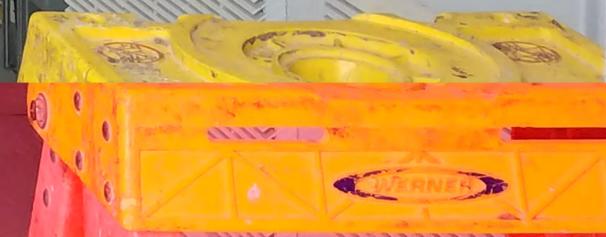
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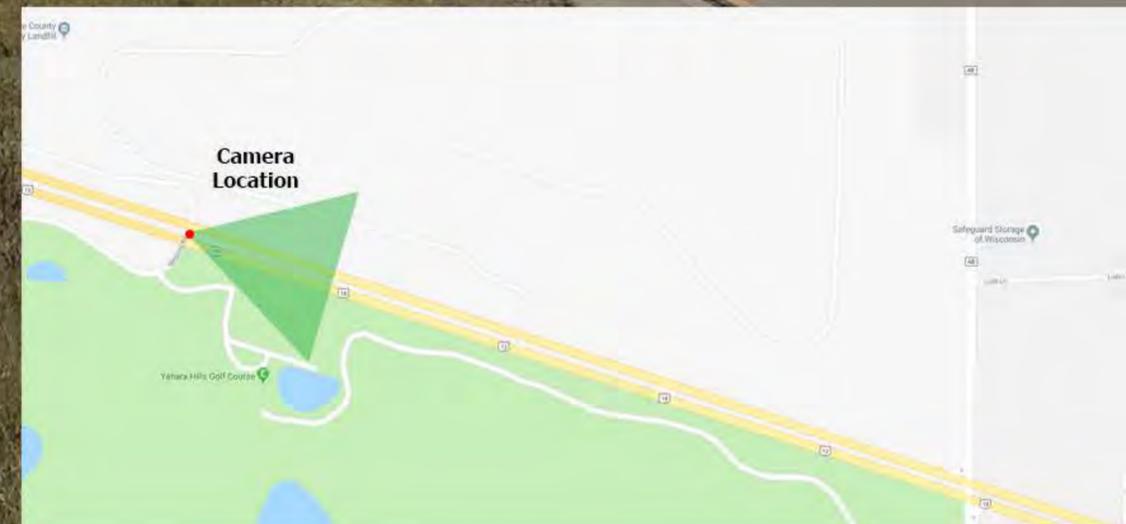


Attachment L – Line of Sight Renderings

Dane County Landfill

Photosimulation of BIOFERM Biological Desulfurization Vessels

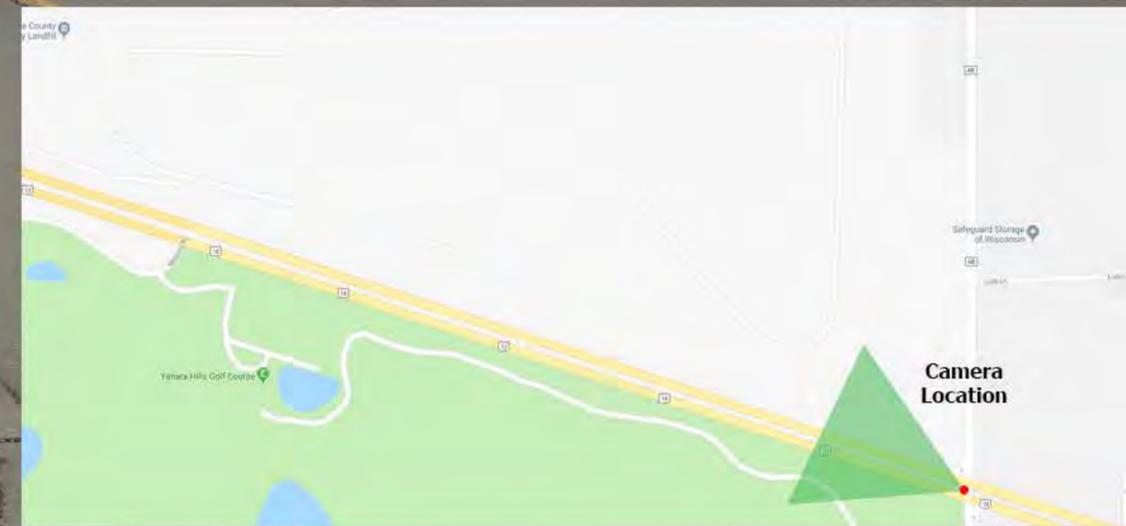
US HWY 12&18 Looking South East



Dane County Landfill

Photosimulation of BIOFERM Biological Desulfurization Vessels

US HWY 12&18 Looking North West



Dane County Landfill

Photosimulation of BIOFERM Biological Desulfurization Vessels

HWY AB and Luds Lane Looking West





Rendering of Site Entrance
Shows Proposed Landscaping and Site Screening