

Village of Hobart – <u>www.hobartwi.gov</u> Village Office - 2990 South Pine Tree Road, Hobart, WI

Notice is hereby given according to State Statutes that the SITE REVIEW COMMITTEE of the Village of Hobart will meet on Wednesday April 16th 2025 at 5:30 P.M. at the Village Office (2990 South Pine Tree Road). NOTICE OF POSTING: Posted this 9th day of April, 2025 at the Hobart Village Office and on the village website.

MEETING NOTICE – SITE REVIEW COMMITTEE

Date/Time: Wednesday April 16th 2025 (5:30 PM) Location: Village Office, 2990 South Pine Tree Road

ROUTINE ITEMS TO BE ACTED UPON:

- 1. Call to order/Roll Call.
- 2. Certification of the open meeting law agenda requirements and approval of the agenda.
- 3. Approve Minutes of February 19th 2024 (Page 2)
- 4. Public Comment on Non-Agenda Items

ACTION ITEMS

8. ADJOURN

- 5. DISCUSSION AND ACTION Election of Committee Chairperson and Vice-Chairperson
- 6. DISCUSSION AND ACTION New 3,200 square foot vehicle/storage building and associated site improvements (3734 W. Mason Street, HB-1402) (Page 3)

This property located at 3734 W. Mason St. (HB-1402) is current location of the Brown County West Landfill & Transfer Station, and the property owner is proposing to construct a new 3,200 square foot vehicle parking/storage building along with associated site improvements.

7. DISCUSSION - Items for future agenda consideration

Aaron Kramer – Village Administrator

Members: Dave Dillenburg, Tammy Zittlow, Dave Baranczyk, Rick Nuetzel, Tom Tengowski, Peter Zobro, Steve Riley

NOTE: Page numbers refer to the meeting packet. All agenda and minutes of Village meetings are online: www.hobart-wi.org. Any person wishing to attend, who, because of disability requires special accommodations, should contact the Village Clerk-Treasurer at 920-869-1011 with as much advanced notice as possible. Notice is hereby given that action by the Committee may be considered and taken on any of the items described or listed in this agenda. There may be Committee members attending this meeting by telephone if necessary.



Village of Hobart Site Review Committee Minutes Hobart Village Office; 2990 S. Pine Tree Rd, Hobart, WI Wednesday, February 19, 2025 – 5:00 pm

- 1. Call to Order, Roll Call: The meeting was called to order by Dave Dillenburg at 5:00 pm. Roll call: Dave Baranczyk, Steve Riley, Tom Tengowski, Peter Zobro, and Dave Dillenburg were present. Absent: Rick Nuetzel and Tammy Zittlow.
- 2. Verify/Modify/Approve Agenda: Motion by Dave Dillenburg, seconded by Steve Riley Motion carried 5-0.
- 3. Approval of Site Review Minutes: Motion by Tom Tengowski to approve the October 16, 2024 minutes, seconded by Dave Baranczyk. Motion carried 5-0.
- 4. Public Comment on Non-Agenda Items: None.

ACTION ITEMS

5. DISCUSSION AND ACTION - Request for new freestanding sign and wall signage located at 4275 Hillcrest Drive (La Petite Acadaemy, HB-713)

La Petite Acadaemy, located at 4275 Hillcrest Dr., is an operating day care facility (formerly Shining Stars Children and Education Center) and is submitting for review and action of a proposed freestanding and a wall sign.

Motion by Dave Baranczyk to approve of the proposed 28.8 square foot ground mount sign and 65 square foot wall sign to be located at 4275 Hillcrest Dr. as submitted subject to the following conditions:

- 1. Sign shall maintain a minimum 10-foot setback from front property line (street right-of-way)
- 2. Address number on free standing sign.

Seconded by Tom Tengowski. Motion carried 5-0.

6. DISCUSSION AND ACTION - Request for new freestanding sign located at 4999 Founders Terrace (Folkman Plaza, HB-524-2)

Folkman Plaza, located at 4999 Founders Terrace, is currently under construction and is submitting for review and action of a proposed freestanding sign. During the original site review back in May 2024, signage was not finalized and therefore not submitted at that time. The developer has since finalized the freestanding signage and is requesting review of said signage.

Motion by Tom Tengowski to approve the proposed 96 square foot free standing sign to be located at 4999 Founders Terrace as submitted subject to the following conditions:

- 1. Installation of address number on sign.
- 2. Installation of landscaping around the base of the sign.
- 3. No additional free-standing signs on this parcel.

Seconded by Steve Riley. Motion carried 5-0.

7. DISCUSSION AND ACTION - Request for a 3,595 sf., building addition and associated site improvements (1396 Plane Site Blvd., HB-949-3)

This property located at 1396 Plane Site Blvd. is currently developed and utilized as a contractor office and shop facility. The property owner is proposing a 3,595 square foot addition and the site improvements to serve the building expansion.

Motion by Steve Riley to approve the request for a 3,595 sf., building addition and associated site improvements (1396 Plane Site Blvd., HB-949-3), subject to the following conditions:

- 1. Screening of any proposed roof mounted HVAC equipment with materials similar to those utilized for the principal building:
- 2. Planting of a total of 3 deciduous trees along the right-of-way of Plane Site Blvd. Requires 1 new tree unless two existing trees are removed.

Seconded by Peter Zobro. Motion 5-0.

8. ADJOURN - Motion by Dave Dillenburg to adjourn at 5:32 pm, seconded by Peter Zobro. Motion carried 5-0.

Respectfully submitted by Lisa Vanden Heuvel, Village Clerk

PAGE 3



TO: Site Review Committee RE: 3734 W. Mason St., HB-1402; New 3,200 Square Foot Vehicle/Storage

Building

FROM: Todd Gerbers, Director of Planning and Code Compliance DATE: April 16, 2025

ISSUE: Discussion and action on a new 3,200 square foot vehicle/storage building and associated site improvements

RECOMMENDATION: Staff recommends conditional approval of this new development along with any conditions the Committee may identify.

GENERAL INFORMATION

1. Developer: Brown County Port & Resource Recovery

- 2. Applicant: Brown County Port & Resource Recovery
- 3. Address/Parcel: 3734 W. Mason St. / HB-1402
- 4. Zoning: A-1: Agricultural District
- 5. Use: Landfill and waste transfer station

BACKGROUND

This property located at 3734 W. Mason St. (HB-1402) is current location of the Brown County West Landfill & Transfer Station, and the property owner is proposing to construct a new 3,200 square foot vehicle parking/storage building along with associated site improvements.

SITE REVIEW DEVELOPMENT AND DESIGN STANDARDS CHECKLIST

Section 1, Site Plan Approval

- A. Zoning: A-1: Agricultural District
- B. Green Space: Roughly 84% green space proposed.
- C. Setbacks: Front setback along W. Mason St. -220', 140' to east property line, 1,100' to west property line, and 1,500' to north property line. All comply with zoning requirements.
- **D.** Parking: No additional parking proposed or required, as this building is only necessary to park and store vehicles and equipment necessary for the operation of the property, under a roof.
- **E. Fire Dept. (and Police Dept.)**: The plans presented have been reviewed and accepted by the Police Department and Fire Department as submitted.
- **F.** Storm Water: Storm water running off the proposed building will be directed to existing storm water ponds already existing on site and to the ditch along W. Mason St. Storm water plans are not required as the area of disturbance is less than one acre.

PAGE 4

- **G.** Utilities: Extensions from existing well and POWTS system on site. No public water or sanitary sewer.
- H. Refuse Collection: None required or proposed

Section 2, Architectural Plan Approval

A. Exterior Construction Information:

- 1. Exterior Materials: Proposed building materials consist mostly of metal wall panels with exposed concrete at the base. These materials will be consistent on all four building elevations. This structure will be located within the complex and very difficult if at all visible from the street.
- **2. Height:** 22' to top of front eve and 15' to top of rear eve.
- **3.** Overhead doors: Two overhead doors will be on the east elevation to access the conditioned space area of the building. The remaining bays will not have any doors installed.
- **4. Mechanical equipment:** No mechanical equipment is planned to be located outdoors.

Section 3, Landscaping Plan: No landscape plan is submitted as Staff would not recommend and plantings be placed near the building and site has mature trees located along W. Mason St.

Section 4, Lighting: There are wall mounted lighting planned around the perimeter of the structure to illuminate the overall structure, but also the ingress/egress points

Section 5, Signage: No additional signage is proposed with this building.

Section 6, Driveway-Curb Cut: No change as existing internal access will be utilized.

RECOMMENDATION/CONDITIONS

Staff recommends conditional approval of this site plan in concept only, subject to the following in addition to any conditions the Site Review may identify:

1. Any additional mechanical equipment, if located on the roof or ground, shall be screened from view by materials compatible with the building or landscaping.

VILLAGE OF HOBART

SITE REVIEW / DEVELOPMENT AND DESIGN STANDARDS PROCESS & APPROVAL

ALL I REVII	SUBMITTAL REQUIREMENTS: Fifteen (15) copies 11 x 17 or size that is legible with all information required by this process. Fifteen (15) copies of the Completed Checklist This checklist with complete information no later than ten 10 business days prior to the Third Tuesday of the month to the Village Clerk; NO LATER THAN 1200 HOURS. (Noon) One (1) full size set of site plans. One (1) full size set of building plans, Ready for State Approval All site plans shall be drawn to an engineering scale no greater than one-(1) inch equals one hundred (100) feet. Signs not part of this application would be a considered a separate application Application fee of \$150. One (1) Dig the Copy of Plans INFORMATION MUST BE COMPLETE PRIOR TO SCHEDULING A MEETING OF THE SITE EW COMMITTEE. NO BUILDING PERMIT WILL BE ISSUED WITHOUT APPROVED PLANS IN THE SITE REVIEW COMMITTEE.
1.	LOCATION
	Project / Development / Site Location / intersection (section town & range) 3734 West Masin St. Brown County West Land fill & Waste Transfer Station
2.	TYPE OF DEVELOPMENT
	Size of Parcel (acreage or square footage): 93 Acre HB 1402
	Size of facility(square footage): 2 3200 sq.ft Blue in Road & 75 Acres
	Size of facility (square footage): 23200 sq. + Blug in Road of . 75 Acres Type of facility: 3 Sided Building for Eggin powent Storage & 2 stells endosod heated
	Developer: Unknown, Willput out for Bid
	Address: Phone: Phone:
	Engineer: ENA-Architectural // FOTH Civ. 1
	Address: 1155 Lombardi Ave Suit #200 Phone: (920)278-0367
	Contractor: Un Known
	Construction Firm: MH
	Address: Phone: Phone:
	·

Revised 1-23-08

3.	SITE	PLAN APPROVAL	-		
	A.	Industrial	Business Park	Commercial	(
		Multi-Family			
		Current Zoning:			
		Other – Identify:_			
			lan on file:YES		
		% of Green Space	e: 98% of Parcel		
ı	B.	graphic scale)	see Drawings	I facility, (show north indicating arrow, and	d a
	C.	Setback Informati	on: <u>*470 frwn 54</u> Compli	es with Ordinance: <u>//e s</u>	
	D.	# of parking stalls Parking will	(Include Handicapped park	ing):_ <i>NA</i>	
	E.	Show the following facilities types:	g Utilities and all easements	including but not limited to the following	į
		1) Electric unde	rground 🕅 ove	erhead 🗆	(
		2) Natural Gas	& Propanatonka	so equillons	
		3) Telephone	×		
		4) Water / Fire H	ydrants & From BC We	7	
		5) Fiber Optic Lir	nes 🗆		
		6) Other transmis	ssion lines <i>NA</i>		
		7) Ingress – egre	Δ / / l		
	F.	Total Site Build-ou	ut including future structures	and setbacks:	
		Complies with ord	inanceXYES	NO	
	G.	corners of lot, buil		such as Center of Street, Driveway apro or, key drainage points & ditches on local	n, 4 -
		USGS Datum: Data Complete: _	XYES	NO	(

Н.	Adjacent streets and street rights-of-ways and fire lanes: 1) Fire Chief has reviewed and approved:YESNO 2) Not applicableX
1.	Water bodies and wetlands. Over 1-acre disturbed requires storm water plan. $NACIRE$
	 Surface water holding ponds, drainage ditches, and drainage patterns, location and size of culverts Name and address and phone# of engineer of project plan: An site 4d menta from ponds for landfill & Wash Transk Station
J.	Sidewalks, walkways, and driveways: □M/
K.	Off street loading areas and docks: □ ///
L.	Fences and retaining walls or berms:
M.	Location & Size of exterior refuse collection areas (must be enclosed a minimum of three (3) sides): MA
N.	Location and dimensions of proposed outdoor display areas:
ARC	HITECTURAL PLAN APPROVAL
	xterior construction information:
1	Type of Construction Materials: CMC into to un Vator Walls
2	Exterior Materials: Concrete & Mital Wall panuls
3	Height of Facility: 22 Front, 15 Rear
4	Compatibility with existing adjacent structure: <u>See drawing</u> (Attach Photos)
5	Other unique characteristics: 35 tells open \$ 25 talls enclosed Effected

4.

5.	LANDSCAPING PLAN	
	If planting new trees in Village right-of-way, a requirement of a 1.5" caliper or gr	eater of the tree a

If planting new trees in Village right-of-way, a requirement of a 1.5" caliper or greater of the tree at 12" above ground is needed, according to planting ordinance specifications. A tree-planting plan must be filed with the application. Tree placement is 1-tree every 50 feet of frontage.

	led landscaping of plan for parcel	
Identify tree <i>N'A</i>	and location specifics – Quantity / Diameter, etc:	

	ubs & Location Specifics - Quantity:	
NA		p
Identify But	ering -Type – Quantity:	}
0005	w Wak-way behind building that will be maintainer	<u>/</u>
LIGHTING	OLAN	
	led lighting plan for parcel	
	erior Building Lighting – Quantity, Wattage, Location :	
See	drawings	
-	ring Lighting – Quantity – Wattage – Location :	, .
Pa	King will be inside building winknow Eastern light	ng
Identify oth	r Lighting – Quantity – Wattage – Location:	
11) 11/1	t Lighting addrain, water	

6.

aled drawings.
e Plan for signage
ilding elevations with signage. : NA - No Sigrage (New) / Existing signs on they 54
: 1011 " 100 " 910 94 (New) / Carsting 31 / 13 Ch (110 9 0)
vith Ordinance:YESNO
4/1/2025
·
Y – CURB CUT
11 M
urb Cut:
urb Cut:
1



ISSUED FOR REVIEW FOR

NOT FOR CONSTRUCTION

PROJECT #2742 WASTE TRANSFER STATION 3 SIDED BUILDING

BROWN COUNTY WEST LANDFILL
ZONING CODE: A-1, LOT AREA: 92.908 ACRES
TOWNSHIP 24N, RANGE 19E
VILLAGE OF HOBART, WI
PARCEL #HB-1402
APRIL 2025

CONTACT INFORMATION							
SITE OWNER	CIVIL ENGINEER						
BROWN COUNTY PORT & RESOURCE RECOVERY DEPARTMENT DEAN HAEN TEL. 920-492-4953 2561 S. BROADWAY ST GREEN BAY, WI 54304	FOTH INFRASTRUCTURE & ENVIRONMENT, LLC DAN MICHIELS, P.E. TEL. 920-496-6865 2121 INNOVATION CT DE PERE, WI 54115						

Prepared by: Foth Infrastructure & Environment, LLC





SITE LOCATION MAP

DRAWING INI	DEX
HEET NUMBER	TITLE
G-001	COVER SHEET
C-101	EXISTING CONDITIONS
C-102	PROPOSED SITE PLAN
C-103	SITE GRADING PLAN
C-104	EROSION CONTROL PLAN
C-501	DETAILS
C-502	DETAILS

SHEET TITLE:

COVER SHEET

ISSUED FOR REVIEW

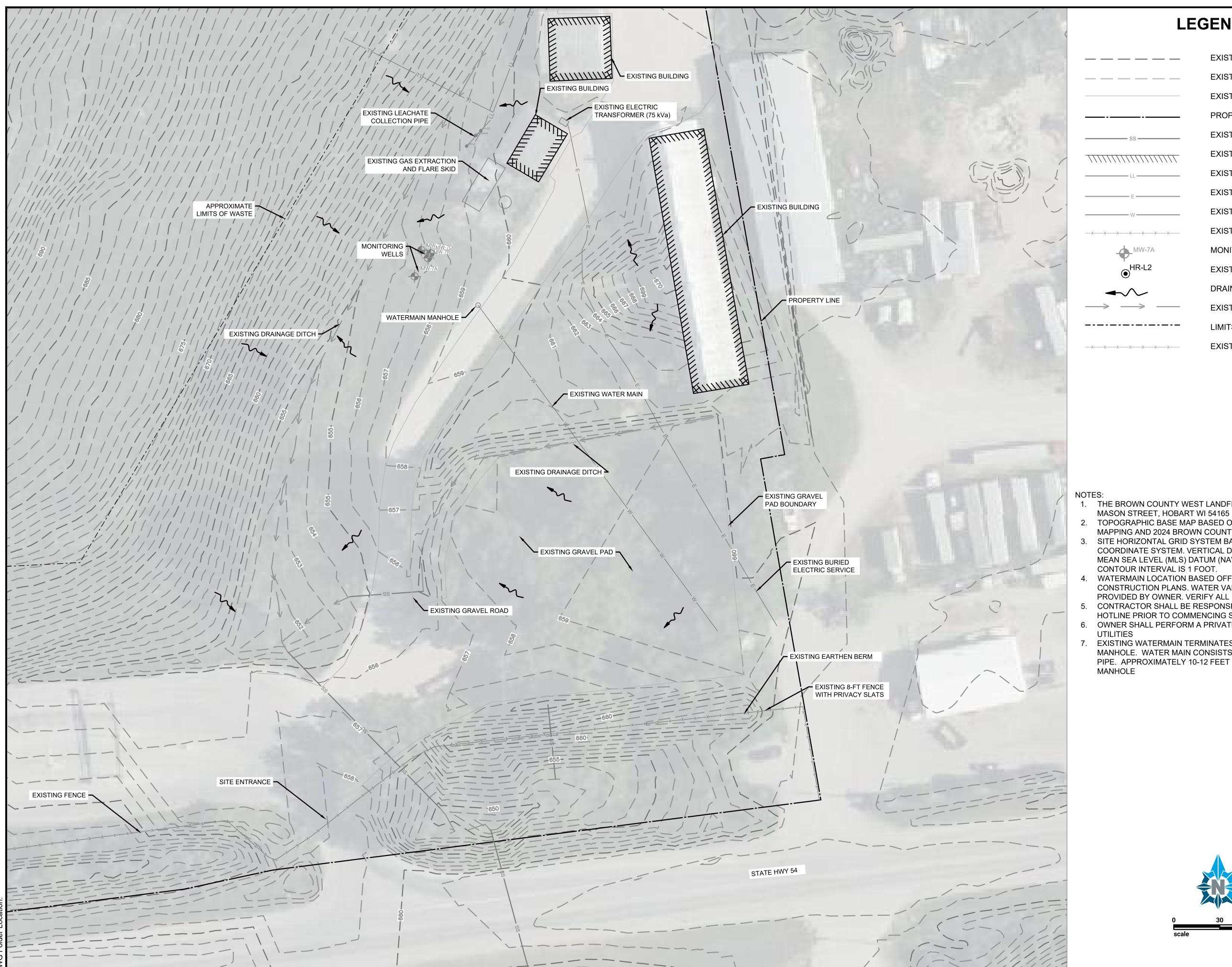
PROJECT NO: 25B029.10

SHEET NUMBER

G-001

SITE	CH PARK	Ö,	RED SMITH	Scott
Oneida Indian Reservation		Green Bay	SCHMITT PARK	Humboldt
Oneida Hobart	Ashwaubenon 172	Allouez	- MCAULIFFE PARKI	
3	(a) 4)		Bellevue	
3 3	De Pere		Bellevue	Eaton
	///		Ledgeview	
2 0				
Lav	vrence Rockland		2	New Denmark
Lung			Glenmore	Denmark
	\$ 1 T			

VICINITY MAP



LEGEND

EXISTING 5' CONTOUR

EXISTING 1' CONTOUR

EXISTING ROAD

PROPERTY BOUNDARY

EXISTING CULVERT

EXISTING BUILDING

EXISTING LEACHATE COLLECTION PIPE

EXISTING ELECTRICAL LINE

EXISTING WATER MAIN

EXISTING FENCE

MONITORING WELL

EXISTING CLEANOUT

DRAINAGE FLOW

EXISTING DITCH / SWALE

LIMITS OF WASTE

EXISTING FENCE

- 1. THE BROWN COUNTY WEST LANDFILL IS LOCATED AT 3734 W.
- 2. TOPOGRAPHIC BASE MAP BASED ON 2020 BROWN COUNTY LIDAR MAPPING AND 2024 BROWN COUNTY SURVEY.
- SITE HORIZONTAL GRID SYSTEM BASED ON BROWN COUNTY COORDINATE SYSTEM. VERTICAL DATUM IS REFERENCED TO USGS MEAN SEA LEVEL (MLS) DATUM (NAVD 1988 ADJUSTMENT). THE CONTOUR INTERVAL IS 1 FOOT.
- 4. WATERMAIN LOCATION BASED OFF OWNER DOCUMENTATION FROM CONSTRUCTION PLANS. WATER VALVE SHOWN PER SURVEY PROVIDED BY OWNER. VERIFY ALL UTILITIES
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIGGERS HOTLINE PRIOR TO COMMENCING SITE WORK.
- 6. OWNER SHALL PERFORM A PRIVATE UTILITY LOCATE FOR ON-SITE
- UTILITIES EXISTING WATERMAIN TERMINATES WITHIN 3-DIA FIBERGLASS

MANHOLE. WATER MAIN CONSISTS OF 1.25-INCH SDR 11.5 HDPE PIPE. APPROXIMATELY 10-12 FEET OF SPOOLED PIPE LEFT WITHIN MANHOLE



DING.

REVISIONS	DESCRIPTION					
	DATE					
	ВУ					
	NO.	\mathbb{A}	abla	∇	abla	8
[DATE	OF	PREF	PARA	TION	
		В	SY	DATE		
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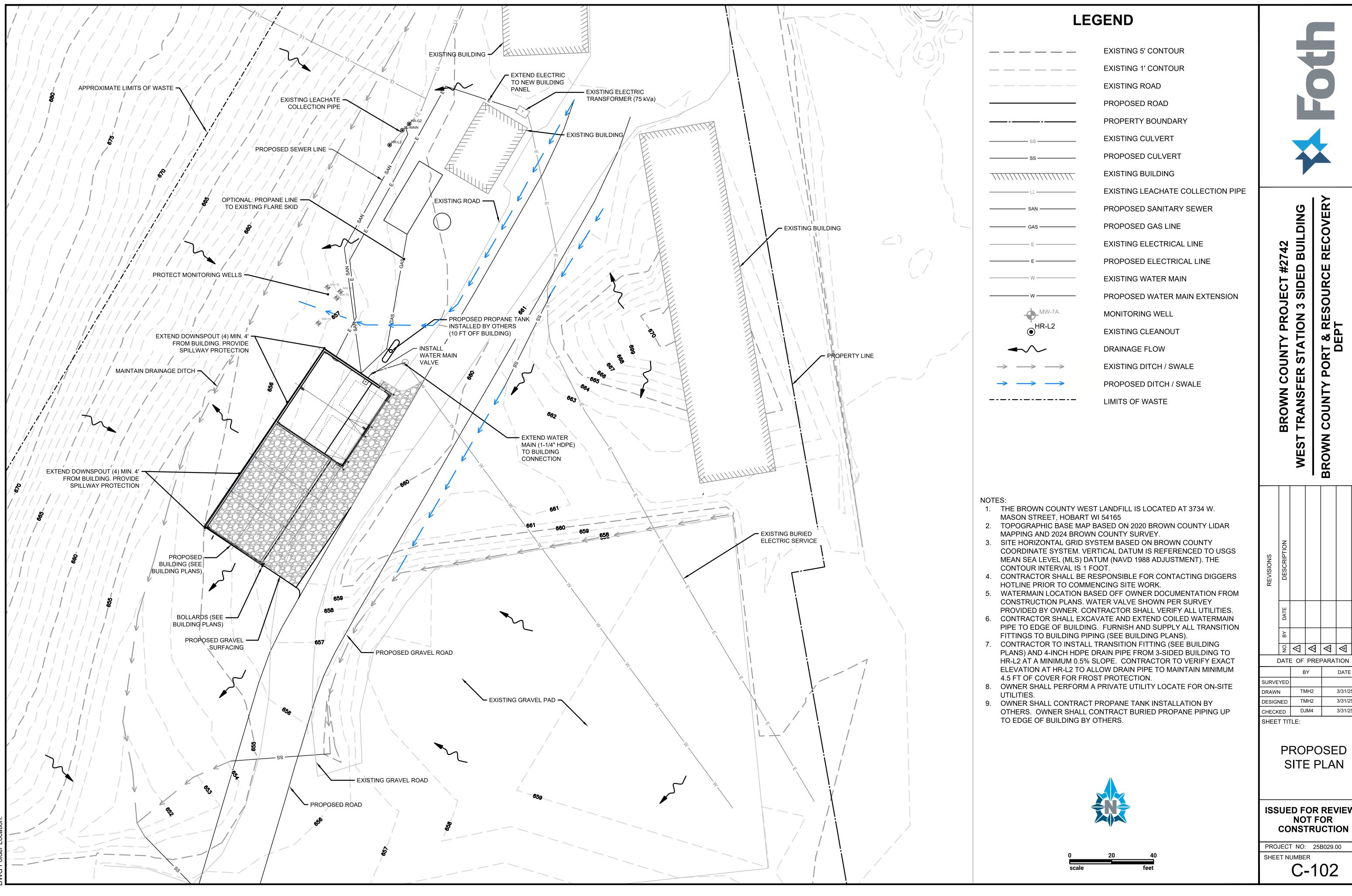
CHECKED DJM4

SHEET TITLE:

EXISTING CONDITIONS

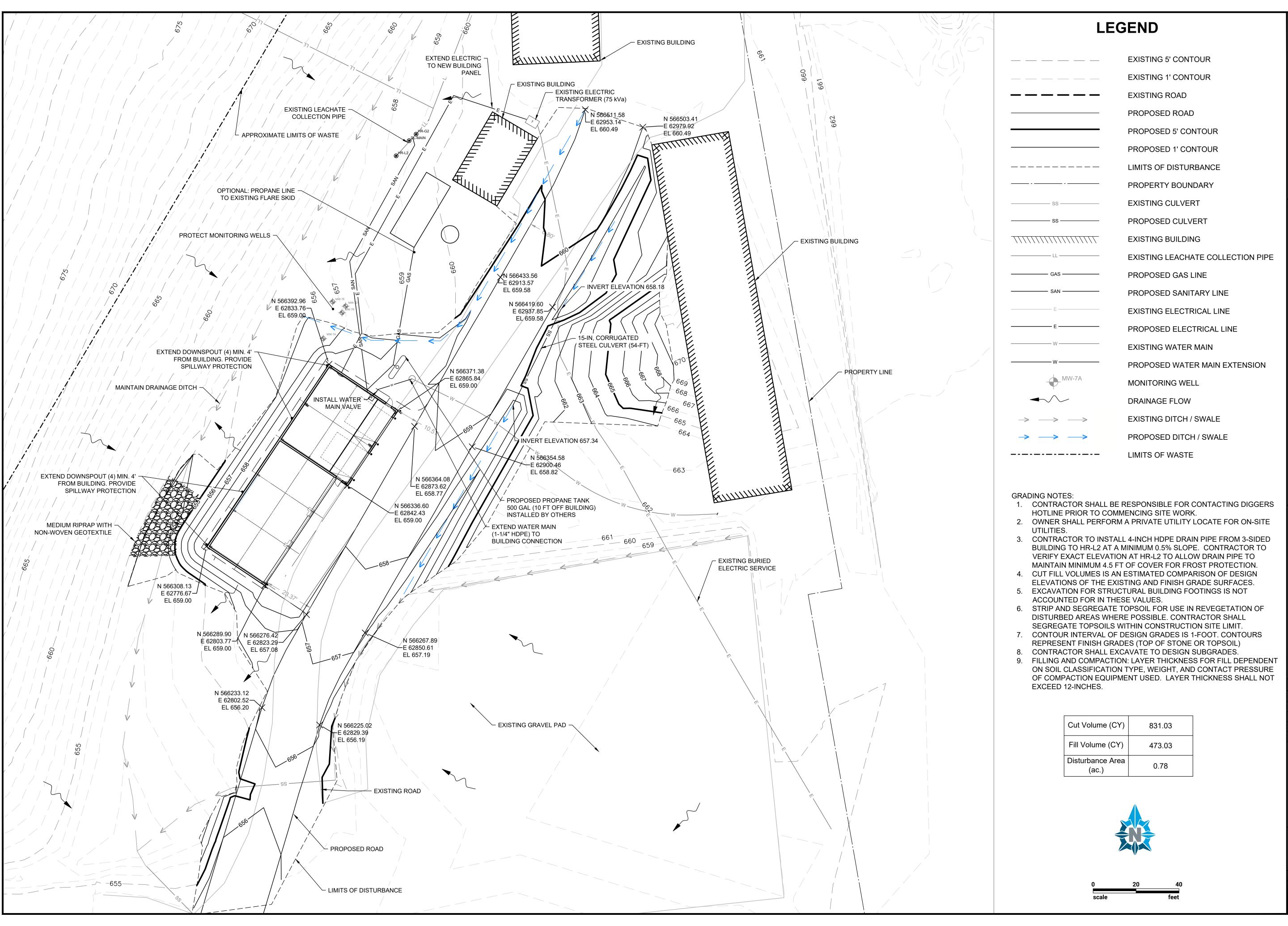
ISSUED FOR REVIEW -NOT FOR CONSTRUCTION

PROJECT NO: 25B029.00 SHEET NUMBER C-101



3/31/25 3/31/25

ISSUED FOR REVIEW



NO

9 4 4 4 4 DATE OF PREPARATION BY

SURVEYED TMH2 3/31/25 DRAWN DESIGNED TMH2 3/31/25 DJM4

SHEET TITLE:

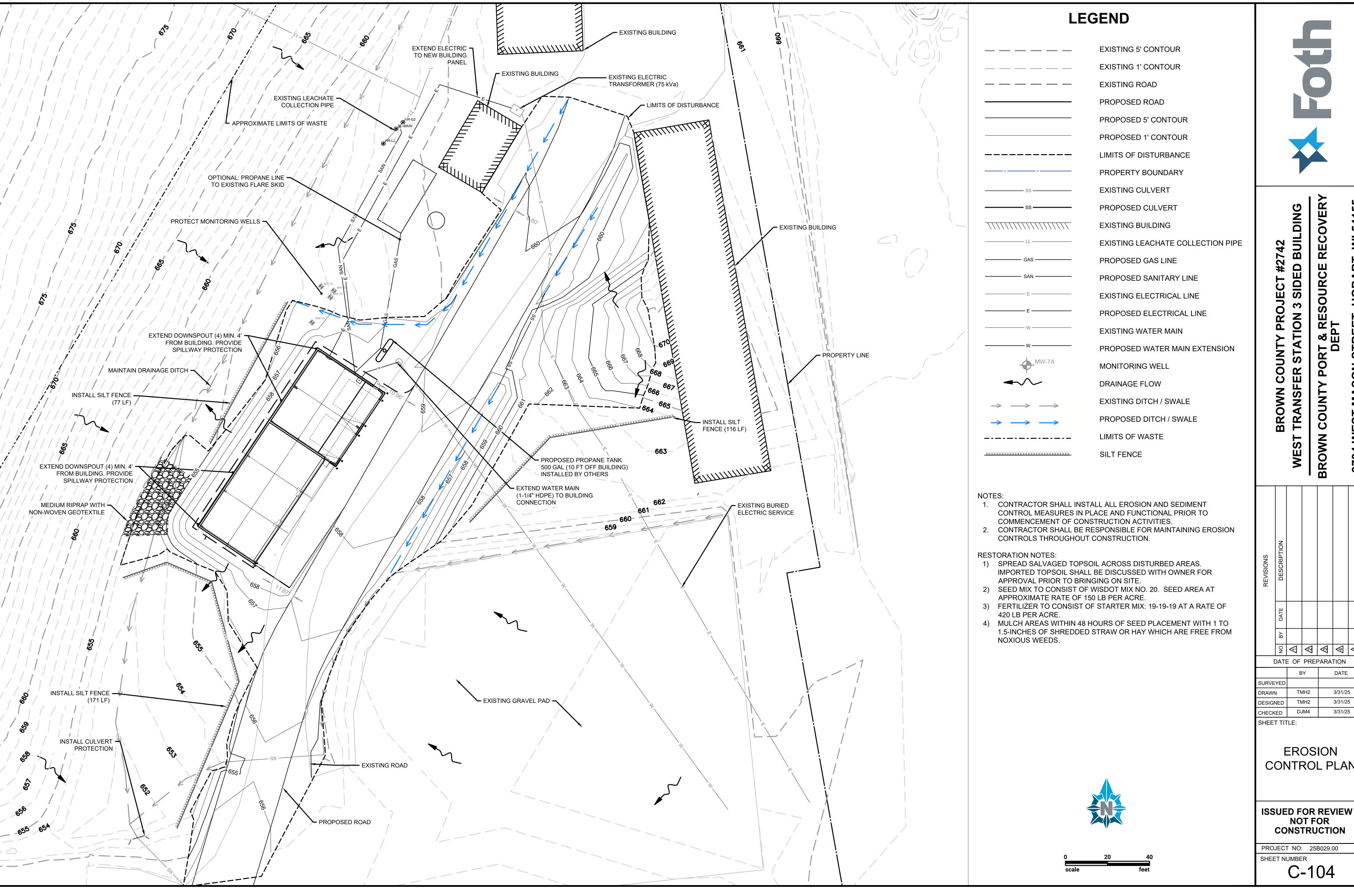
CHECKED

SITE GRADING PLAN

ISSUED FOR REVIEW NOT FOR CONSTRUCTION

PROJECT NO: 25B029.00 SHEET NUMBER

C-103



DATE OF PREPARATION

3/31/25

CONTROL PLAN

ISSUED FOR REVIEW CONSTRUCTION

PROJECT NO: 25B029.00

OVERY BUILDING RE

PROJECT #2 COUNTY PROFER STATION ~ TRANSFE BROWN

© 4 4 4 4 DATE OF PREPARATION BY SURVEYED DRAWN

3/31/25 DESIGNED DJM4 CHECKED

SHEET TITLE:

DETAILS

ISSUED FOR REVIEW NOT FOR CONSTRUCTION

PROJECT NO: 25B029.00 SHEET NUMBER

C-501

SEDIMENT CONTROL LOG TYPE WOOD FIBER, OR TYPE COMPOST 5

(FOR USE ON ROUGH GRADED AREAS)

NOTES:

SEE SPECS. 2573, 3601, 3733, 3885, 3886 & 3889.

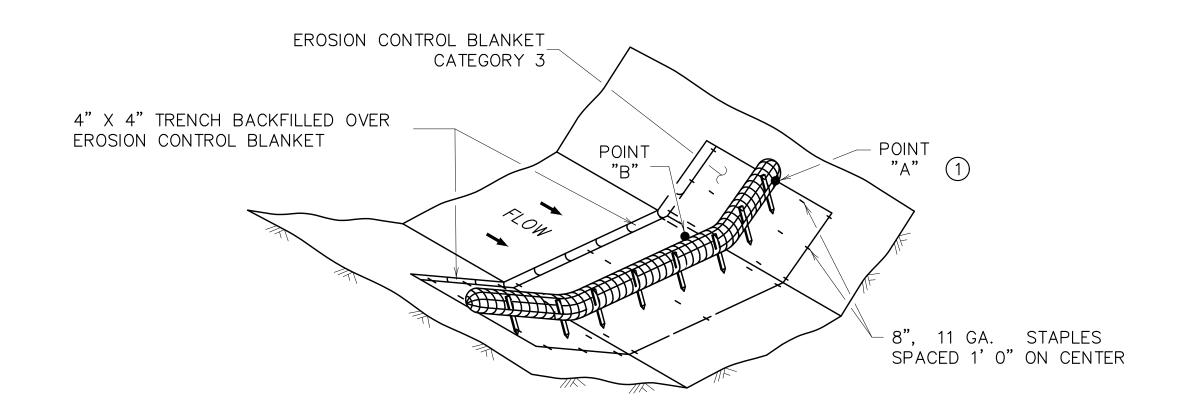
FOR DITCH CHECKS, PLACE SEDIMENT CONTROL LOG PERPENDICULAR TO FLOW AND IN A CRESCENT SHAPE WITH THE ENDS FACING UPSTREAM.

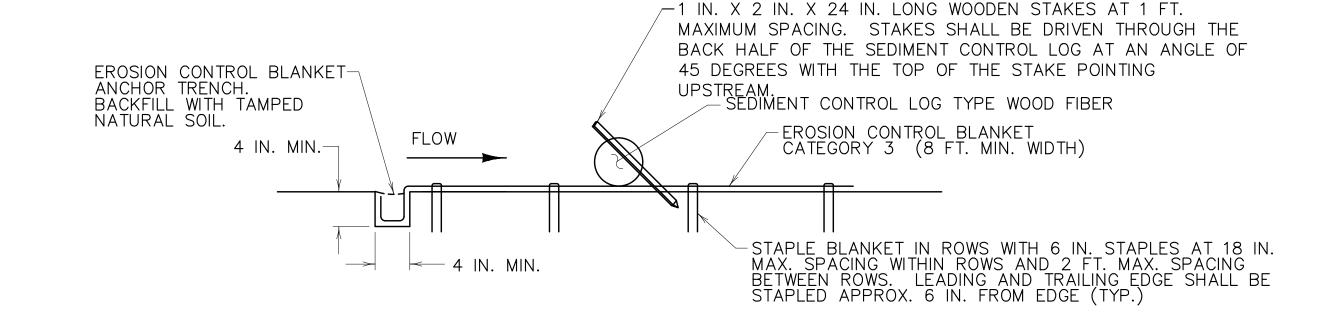
APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:

DITCH CHECK HEIGHT (FT) APPROXIMATE SPACING OF DITCH CHECKS (FT.) = Y = -% CHANNEL SLOPE

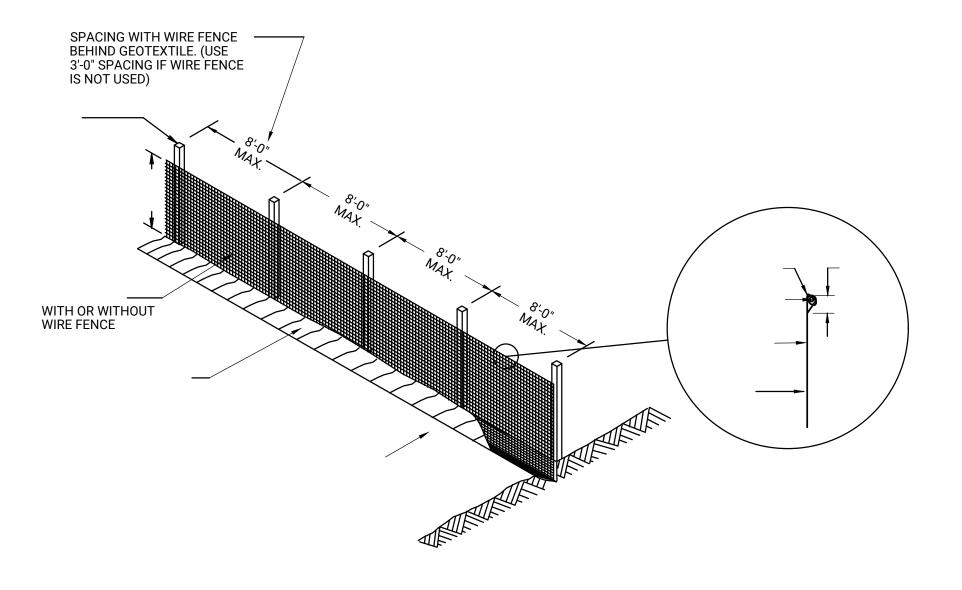
1) POINT "A" MUST BE A MINIMUM OF 6 INCHES HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

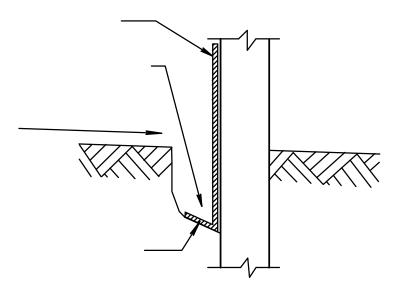
- 2 PERMANENT ROCK DITCH CHECKS PLACED WITHIN THE CLEAR ZONE ARE TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DEPARTURE SLOPE SHALL BE PROVIDED.
- 3 DITCH GRADE 3% 5%, MAX. FLOW VELOCITY 12 FT./SEC..
- 4 DITCH GRADE 1.5% 3%, MAX. FLOW VELOCITY 4.5 FT./SEC..
- (5) DITCH GRADE 1.5% 3%, MAX. FLOW VELOCITY 1.5 FT./SEC..

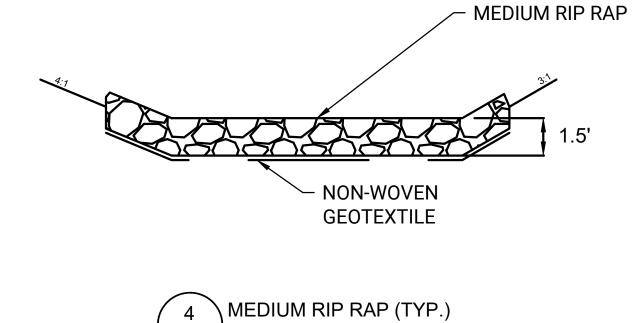




1 TYPICAL SEDIMENT CONTROL LOG DETAIL C-502 SCALE: NTS













BUILDING RE PROJECT #2 RESOURCE COUNTY PRC TRANSFER

º 4 4 4 4 DATE OF PREPARATION BY

SURVEYED DRAWN DESIGNED DJM4 CHECKED SHEET TITLE:

DETAILS



WASTE TRANSFER STATION 3-SIDED BUILDING PROJECT #2742

3734 W MASON ST. HOBART, WI 54155

PARCEL #: HB-1402



CONSTRUCTION DOCUMENTS

4/1/2025 PROJECT NUMBER: 925032

ABBREVIATIONS

_				_							
<u>A</u>		<u>C</u> CLR		<u>E</u>		Ī		P PJ		I	
A/C	air conditioning	CLR	clear	F	female	ĪD	inside diameter	PJ	panel joint	T&M	time & materials
A/E	Architect/Engineer	CM	construction	F	filler	INSUL	insulation	PLAM	plastic laminate	TEMP	temperature
ACT	acoustical		management	FA	fire alarm	INT	interior	PLYWD	plywood	TEMP	temporary
	ceiling tile	CM	construction manager	FA	fluid-applied			PNL	panel	TER	terrazzo
ADDL	additional	CMU	concrete masonry unit	FAB	fabric	<u>J</u>		PREFAB	prefabricated	TERB	terrazzo base
ADDM	addendum	CO	cleanout	FC	file cabinet	JS	janitor sink	PREFIN	prefinished	TFF	top of finished floor
ADJ	adjustable	COL	column	FD	floor drain			PSI	pounds per square	TKBD	tackboard
AFC	above finished	CONC	concrete	FE	fire extinguisher	<u>L</u> LAM			inch	TO	top of
	counter	CORR	corridor	FEC	fire extinguisher		laminate	PT	paint	TOB	top of beam
AFF	above finished	CPT	carpet		cabinet	LAV	lavatory	PTN	partition	TOC	top of concrete
	floor	CSWK	casework	FHC	fire hose cabinet	LF	linear foot	$\mathbf{\cap}$		TOJ	top of joist
AFG	above finished	CT	ceramic tile	FIN	finish	LL	live load	Q	411	TOPO	topography
. = 0	grade	CW	cold water	FLR	floor	N/I		QT	quarry tile	TOS	top of slab
AFS	above finished	CTB	ceramic tile base	FM	factory mutual	<u>M</u>		QTB	quarry tile base	TOS	top of steel
	slab	n		FM	floor mat	MAT	material	QTY	quantity	TRNS	transom
ALT	alternate	<u>D</u>	1. 11.	FO	finished opening	MAX	maximum	QTZ	quartz	TYP	typical
ALUM APPD	aluminum	DBL DEMO	double	FP FP	fire protection	MC	modular carpet tile mechanical	<u>R</u>		<u>U</u>	
	approved		demolition		fireproof	MECH MFR	mechanicai manufacturer	RB	resilient base	UNO	unless noted otherwise
APT AP	apartment	DEPT DF	department	FPL FRP	fireplace	MICRO	microwave	RCP	reflected ceiling plan	UNU	uniess noted otherwis
ASC	acoustical panel	DIA	drinking fountain diameter	FKP	fiberglass reinforced plastic	MIN	minimum	RD	reflected ceiling plan	<u>V</u>	
ASC	above suspended	DP		FRT	fire retardant treated	MIN	minute	REBAR	reinforcing steel bars	<u>▼</u> VERT	vertical
	ceiling	DR	decorative panel door	FTG	footing	MISC	miscellaneous	REC	recess	VEKT VF/CI	vendor furnished,
<u>B</u>		DR FR	door frame	FIG	looting	MJ	movement joint	REF	reference	VI /OI	contractor installed
BB	baseboard	DTL	detail	<u>G</u>		MO	masonry opening	REF	refrigerator	VF/OI	vendor furnished,
BLDG	building	DS	downspout	GA	gauge	MS	mop sink	RF	resilient flooring	V1701	owner installed
BLT	borrowed lite	DW	dishwasher	GALV	galvanized	MTL	metal	REV	revision	VF/VI	vendor furnished,
BLW	below	DWG	drawing	GB	grab bar		motor	RFS	room finish schedule	*****	vendor installed
BPL	base plate		a.ag	GC	general contractor	<u>N</u>		RO	rough opening	VNR	veneer
BO	bottom of	<u>E</u> E		GL	glass	N	north			VIF	verify in field
BOS	bottom of steel	E	east	GLU LAM		NA	not applicable	<u>S</u>			
		EIFS	exterior insulation		wood	NIC	not in contract	S	south	$\frac{\mathbf{W}}{\mathbb{W}}$	
С			& finish system	GR	grade, grading	NO	number	SAN	sanitary	\overline{W}	west
<u>С</u> СВ	catch basin,	EL	elevation	GT	grout	NM	nominal	SC	sealed concrete	W/	with
	construction bulletin	EJ	expansion joint	GYP BD	gypsum	NS	no scale	SC	solid core	W/O	without
CF/CI	contractor furnished,	ELEC	electric			NTS	not to scale	SCHED	schedule	WC	water closet
	contractor installed	ELEC	electrical	<u>H</u>		_		SCHED	scheduled	WC	wall covering
CF/OI	contractor furnished,	ELEV	elevator	HB	hose bibb	<u>0</u>		SF	square foot	WD	wood
	owner installed	EP	epoxy	HC	hollow core	OA	overall	SIM	sim	WDB	wood base
CF/VI	contractor furnished,	EPS	expanded polystyrene	HDWE	hardware	OC	on center	SL	sidelite	WDV	wood veneer
	vendor installed		board	HM	hollow metal	OD	outside diameter	SNGL	single	WH	water heater
CG	corner guard	EQ	equal	HORIZ	horizontal	OF/CI	owner furnished,	SS	solid surface	WP	wall protection
CIP	cast-in-place	ETR	existing to remain	HSKP	housekeeping		contractor installed	SST	stainless steel	WP	work point
CNTR	counter	EXIST	existing	HGT	height	OF/OI	owner furnished,	ST	stain	WT	window treatment
CL	centerline	EXT	exterior	HR	hour		owner installed	ST	stair	v	
CLG	ceiling			HVAC	heating, ventilating & air conditioning	OF/VI	owner furnished, vendor installed	STC	sound transmission coefficient	X XPS	extruded polystyrene
				HW	hot water	OH DR	overhead door	STL	steel	-	board
				HWY	highway	OPH	opposite hand	STN	stone		
					5 ,	OPNG	opening	STNB	stone base		
							. 5	STRUCT			

PROJECT TEAM

SHEET INDEX

ARCHITECTURAL EPPSTEIN UHEN ARCHITECTS, INC.

PROJECT CONTACT: 1155 Lombardi Avenue, Suite 200 Green Bay, WI 54304 DIRECT PHONE: (920) 336-9929 EMAIL ADDRESS: www.eua.com

Paul Janssen (920) 278-0367

S500 FOUNDATION DETAILS S900 STRUCTURAL ISOMETRIC paulj@eua.com

ARCHITECTURAL A101 1ST FLR PLAN & ELEVATIONS A300 BUILDING / WALL SECTIONS, & DETAILS A700 EXTERIOR AXONOMETRIC VIEWS

S000 GENERAL STRUCTURAL INFORMATION

S101 FOUNDATION PLAN & ELEVATIONS

GENERAL G000 INDEX G101 1ST FLR LIFE SAFETY PLAN

PLUMBING

STRUCTURAL

P000 GENERAL PLUMBING INFO P101 1ST FLR PLUMBING PLAN, DETAILS, SCHEDULES, & ISOS

MECHANICAL M000 GENERAL MECHANICAL INFORMATION M111 1ST FLR DUCTWORK PLAN, DETAILS, &

SCHEDULES

ELECTRICAL E000 ELECTRICAL ABBREVIATIONS AND SYMBOLS E101 1ST FLR LIGHTING AND POWER PLAN E600 ELECTRICAL SCHEDULES

SYMBOL LEGEND

<u>CALLOUTS</u>		TAG	i <u>S</u>	<u>GRAPHICS</u>
TITLE -	VIEW NUMBER VIEW NAME	XXX XX	PARTITION TYPE	NORTH ARROW
1/2" = 1'-0"	VIEW SCALE	(000)	DOOR KEYNOTE	PLAN TRUE DIMENSION REFERENCES
Level 0'-0"	ELEVATION DATUM	(000)	FURNITURE	EQ EQ EQ 5'-0" 4'-0"
SIM OO SIN	BUILDING	000	EQUIPMENT	TO OBJECT CENTER TO OBJECT FACE OR OTHER GEOMETRY CONSTRUCTION PHASES
A000 A000	SECTIONS	XX 000	WINDOW	======================================
00 A000	OTHER SECTIONS	000 W" x H" x D"	CASEWORK	EXISTING DEMOLITION NEW
A2 A2 T		FLOOR BASE	FINISH PLAN	
A4 A000-000 & A4 A4	ELEVATIONS	WALL REMARKS	TIMOTTEAN	GRID AND GRID IDENTIFICATION EXISTING NEW
000 A000	DETAILS	TYPE HEIGHT	CEILING	A A A A A A A A A A
		NAME 0000	ROOM	$\begin{array}{c c} & & & \\ \hline & & \\ \hline \end{array}$

EPPSTEIN UHEN ARCHITECTS, INC.

Dale Garfield (920) 278-0380 PROJECT CONTACT: 1401 Peachtree Street NE, Suite 300 Atlanta, GA 30309 DIRECT PHONE: EMAIL ADDRESS:

PROJECT CONTACT: DIRECT PHONE: 1155 Lombardi Avenue, Suite 200 Green Bay, WI 54304 EMAIL ADDRESS: PHONE: (920) 336-9929

Dale Garfield (920) 278-0380

daleG@eua.com

STRUCTURAL **EPPSTEIN UHEN ARCHITECTS, INC.**

PROJECT CONTACT: 1155 Lombardi Avenue, Suite 200 Kevin Klarkowski DIRECT PHONE: (920) 278-0357 Green Bay, WI 54304 PHONE: (920) 336-9929 EMAIL ADDRESS: kevink@eua.com www.eua.com

PLUMBING

www.eua.com

EPPSTEIN UHEN ARCHITECTS, INC.

PROJECT CONTACT: 1401 Peachtree Street NE, Suite 300 DIRECT PHONE: EMAIL ADDRESS: Atlanta, GA 30309 PHONE: (404) 596-8006 www.eua.com

MECHANICAL

PHONE: (404) 596-8006 daleG@eua.com www.eua.com

ELECTRICAL EPPSTEIN UHEN ARCHITECTS, INC.

Matthew Marek (920) 278-0358 mattm@eua.com

eu.c

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PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED **BUILDING PROJECT** #2742

3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

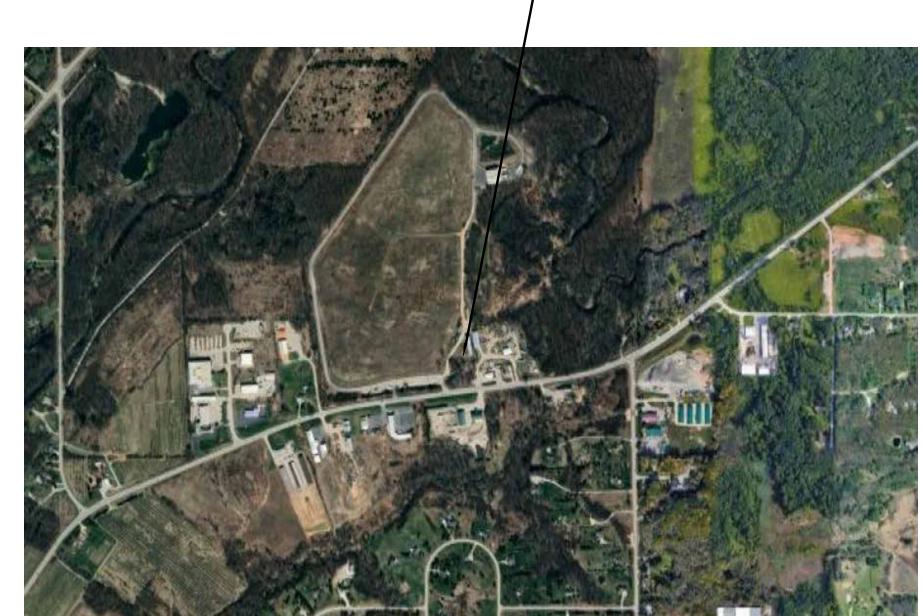
DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

SHEET INFORMATION

PROJECT MANAGER PROJECT NUMBER

VICINITY MAP

—PROJECT LOCATION



	PRC	JECT D	Δ-	ΤΔ
DDO ICCT CHMMADY	1110	JULUI L	<u>'</u> \	<u> </u>
PROJECT SUMMARY NEW 3600 SQ FT WASTE TRANSFER STA	TION			
OWNER				
BROWN COUNTY PORT & RESOURCE RE	COVERY			
LOCATION MUNICIPALITY:	HOBART			
COUNTY:	BROWN			
STATE:	WISCONSIN			
CLIMATE ZONE				
6A GREEN BAY	2)			
APPLICABLE JURISDICTION(S BUILDING REVIEW AGENCY:	DSPS DIVISION OF INDUS	TRY SERVICES DI AI	N REVI	EW
ZONING:	VILLAGE OF HOBART	THE SERVICES LAW	* 1 \ _ V 1	
FIRE DEPARTMENT:	VILLAGE OF HOBART			
APPLICABLE BUILDING CODE 2015 INTERNATIONAL BUILDING CODE (IE 2015 INTERNATIONAL ENERGY CONSERV 2010 ADA STANDARDS FOR ACCESSIBLE 2009 ICC ANSI A117.1 STANDARD FOR AC PROJECT TYPE NEW CONSTRUCTION	BC) AS MODIFIED BY WISCO /ATION CODE (IECC) AS MO DESIGN	DDIFIED BY WISCON	SIN CH	
CONSTRUCTION CLASSIFICA	TION			CHAPTER 6 SECTION 602
TYPE IIB(000)				
PRIMARY OCCUPANCY U (UTILITY)				CHAPTER 3 SECTION 302
ACCESSORY OCCUPANCY U (UTILITY)			CHAPTER 5 SECTION 508.2	
MIXED USE OCCUPANCY CLA			СН	APTER 5 SECTIONS 508.2, 508.3 AND 508.4
FIRST FLOOR	OCCUPANCY	FUNCTION		CLASSIFICATION
BUILDING HEIGHT ABOVE GR	OTILITY	GARAGE		NON-SEPARATED CHAPTER 5 SECTION 504.3
BOILDING HEIGHT ABOVE OF	ALLOWED	PROVIDED		
UTILITY	55'	15'		
NUMBER OF STORIES ABOVE				CHAPTER 5 SECTION 504.4
THOMBER OF GROKIEG ABOVE	ALLOWED	PROVIDED		SINT PERCOSECUTION CO.T.
UTILITY	2 STORIES	1 STORY		
TOTAL NUMBER OF STORIES				
TOTAL STORIES: 1				CHAPTER 5 SECTION 506.1 AND 506.2
BUILDING AREA (SQ FT)	PROVIDED			CHAPTER 3 SECTION 300.1 AND 300.2
FIRST FLOOR	3,600 SQ FT			8,500 SQ FT ALLOWABLE
FIRE PROTECTION				
FIRE ALARM	NONE	CHAPTER 9 SECTI		
FIRE RESISTIVE RATINGS	NONE	CHAPTER 9 SECTI	ON 903	3.2 CHAPTER 6 SECTION 601
TIKE KESISTIVE KATINGS	REQUIRED	PROVIDED		OTAL TERCOSESTION OUT
PRIMARY STRUCTURAL FRAME	0 HOUR	0 HOUR		
BEARING WALLS - EXTERIOR	0 HOUR	0 HOUR		OFF LIFE OAFFTY BRANKINGS FOR ARRIVED TO THE TOTAL TOTAL TO THE TOTAL
BEARING WALLS - INTERIOR FLOOR CONSTRUCTION & SECONDARY	0 HOUR	0 HOUR		SEE LIFE SAFETY DRAWINGS FOR ADDITIONAL ELEMENTS REQUIRING FIRE RESISTIVE RATINGS
MEMBERS	0 HOUR	0 HOUR		
ROOF CONSTRUCTION & SECONDARY MEMBERS	0 HOUR	0 HOUR		
INTERIOR WALL FINISHES	01 4001510 151011			CHAPTER 8 TABLE 803.11
SPACE INTERIOR EXIT STAIRWAYS AND RAMPS	NO RESTRICTION			
AND EXIT PASSAGEWAYS CORRIDORS AND EXIT ACCESS STAIRWAYS AND RAMP ENCLOSURES	NO RESTRICTION			
ROOMS AND ENCLOSED SPACES	NO RESTRICTION			
OCCUPANT LOAD				CHAPTER 10 SECTION 1004
SEE SEPARATE SCHEDULE(S) FOR CALC				OLIA PITED AN OFICIAL ACCORD
MINIMUM NUMBER OF EXITS LEVEL	PER STORY REQUIRED	PROVIDED		CHAPTER 10 SECTION 1006.3 SEE LIFE SAFETY PLANS FOR EXIT LOCATIONS AND EXIT
FIRST FLOOR	2	2		WIDTH CALCULATIONS WHERE APPLICABLE
EXIT TRAVEL DISTANCE	1			CHAPTER 10 SECTION 1017.2
200' MAXIMUM COMMON PATH OF TRAVEL				CHAPTER 10 SECTION 1006.2.1
75' MAXIMUM DEAD-END CORRIDOR				CHAPTER 10 SECTION 1020.4
20' MAXIMUM				CHALLER TO SECTION 1020.4
MINIMUM PLUMBING FIXTURE BUILDING IS AN UNOCCUPIED GARAGE	REQUIREMENTS			CHAPTER 29 SECTION 2902.1
STRUCTURAL CRITERIA		REFER TO SI	HEET(S	S) S000 FOR CODE-RELATED STRUCTURAL INFORMATION>

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PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED **BUILDING PROJECT** #2742

D 3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

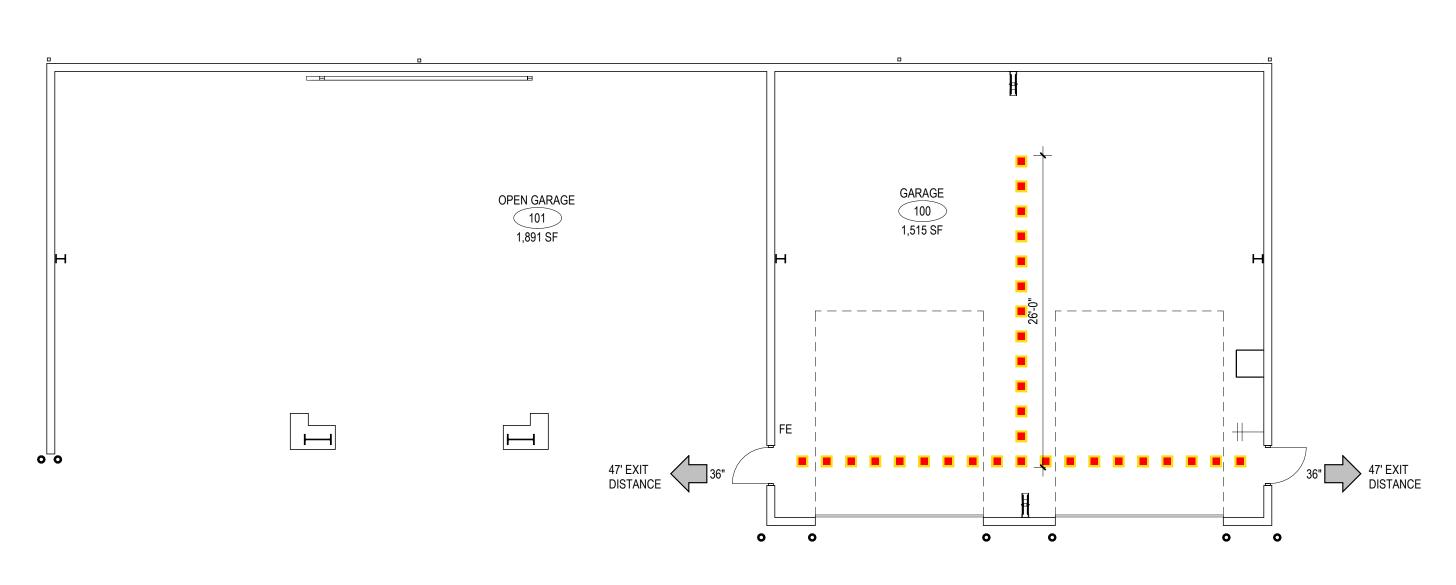
PROJECT MANAGER

A PROJECT NUMBER

1ST FLR LIFE SAFETY PLAN

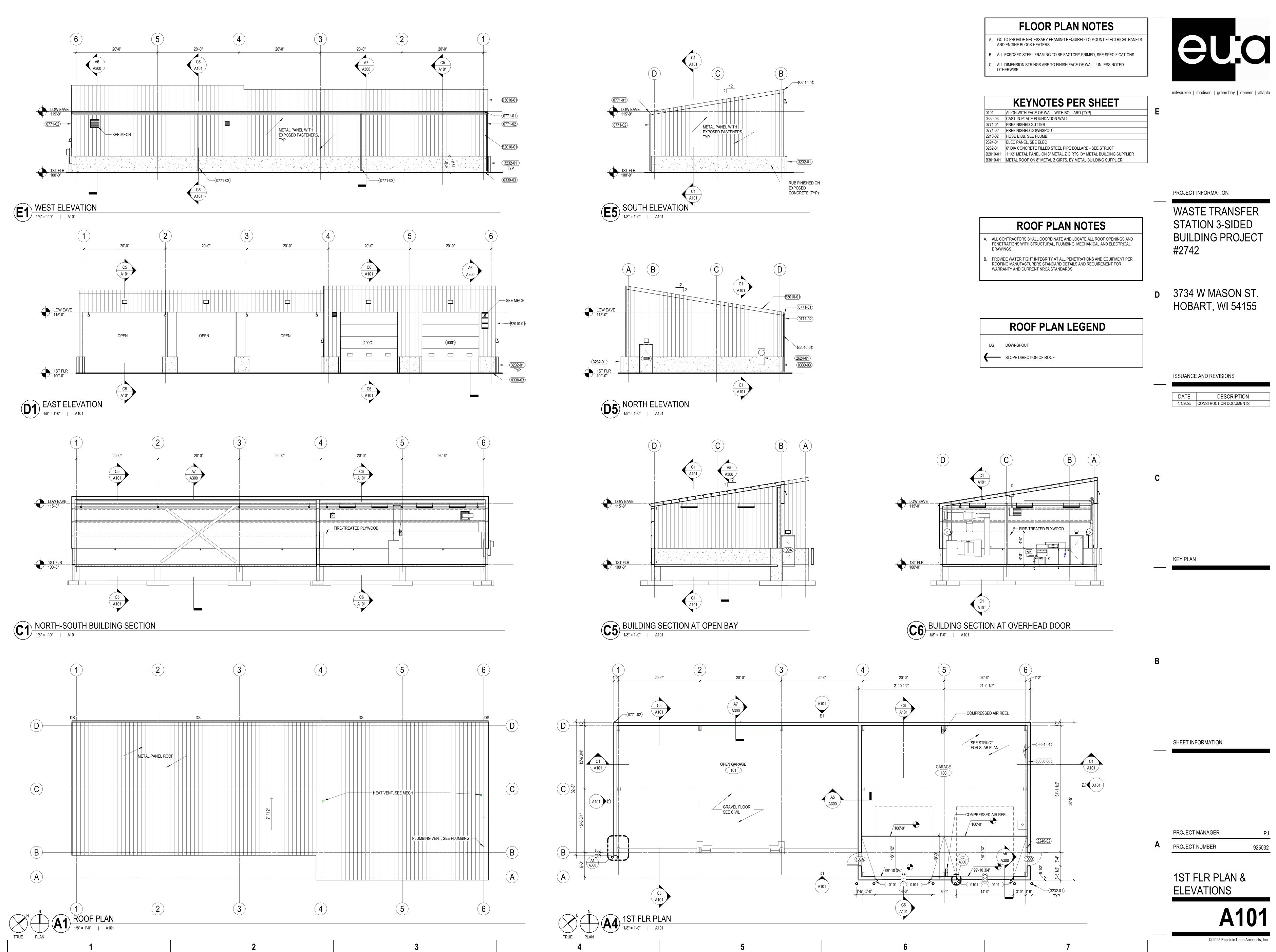
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MEANS OF EGRESS X" EXIT DISCHARGE X = CLEAR WIDTH OF OPENING IN INCHES

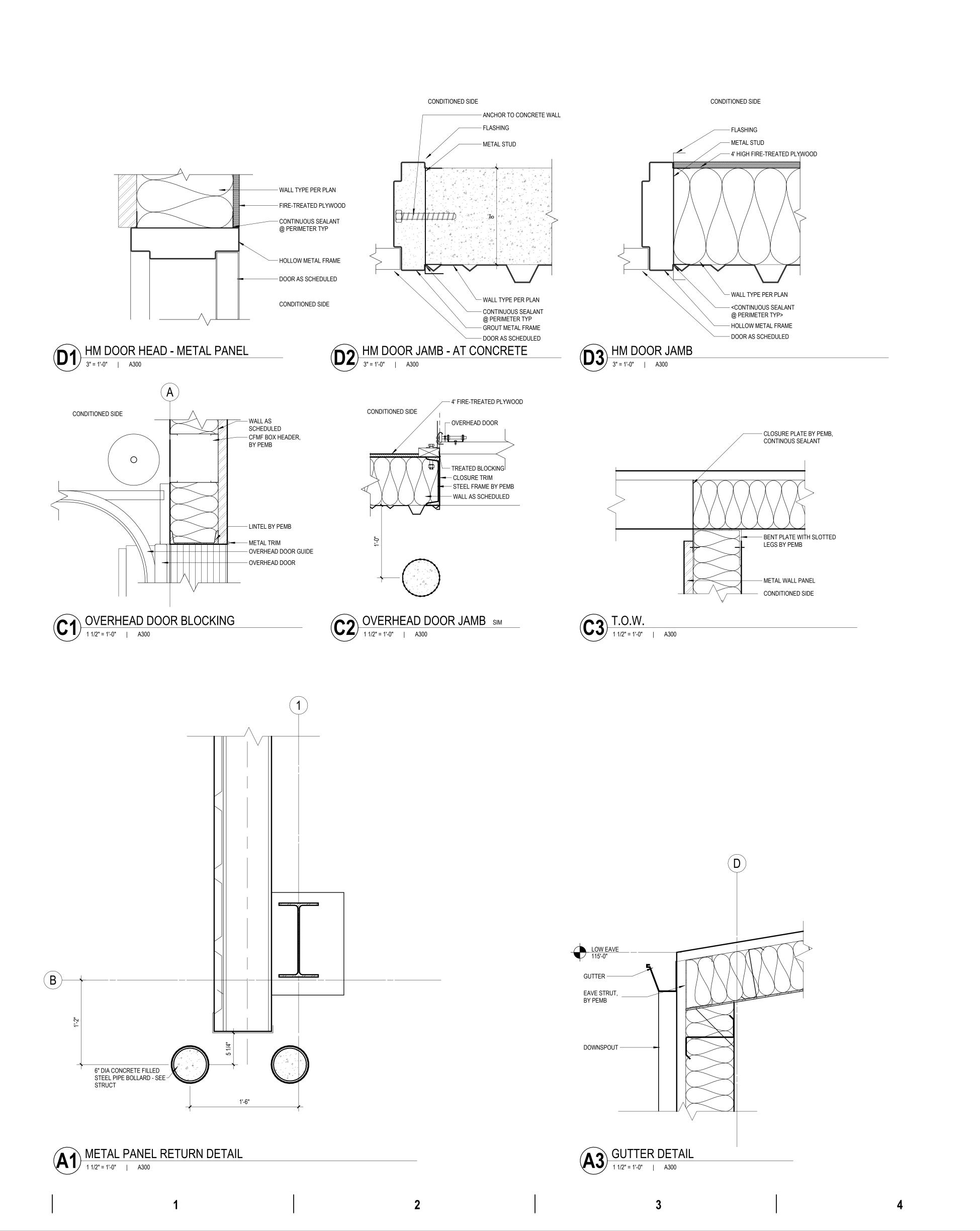


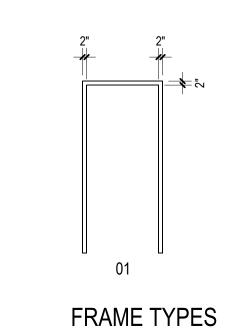
1ST FLR LIFE SAFETY PLAN

1/8" = 1'-0" | G101



PAGE 21





1/4" = 1'-0"

INSULATED SECTIONAL OVERHEAD DOORS

SECTION AT OVERHEAD DOOR

3/8" = 1'-0" | A300

DETAIL

D3 DETAIL 4' AFF D3 DETAIL 4' AFF

DOOR AND FRAME SCHEDULE

QTY WIDTH HGT TYPE MAT FIN TYPE MAT FIN HEAD JAMB SILL TAG REMARKS

DIMENSION NOTES

INSULATED H.M. DOORS

DOOR TYPES

1/4" = 1'-0"

SECTION AT INSULATED WALL

3/8" = 1'-0" | A300

WIDTH AND HEIGHT AS SCHEDULED UNLESS NOTED OTHERWISE. ADDITIONAL DIMENSIONS AS SPECIFIED. **KEYNOTES PER SHEET**

0330-03 CAST-IN-PLACE FOUNDATION WALL 0833-01 TORSION SPRING MOUNTING PLATE, COORDINATE WITH OVERHEAD DOOR MANUFACTURER ON REQUIREMENTS AND PEMB SUPPLIER ON MOUNTING

3232-01 6" DIA CONCRETE FILLED STEEL PIPE BOLLARD - SEE STRUCT
B2010-01 1 1/2" METAL PANEL ON 8" METAL Z GIRTS, BY METAL BUILDING SUPPLIER
B3010-01 METAL ROOF ON 8" METAL Z GIRTS, BY METAL BUILDING SUPPLIER



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PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED **BUILDING PROJECT** #2742

3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

KEY PLAN 2 CONDITIONED SIDE (B2010-01)— (B2010-01) CONDITIONED SIDE ∕— 4' FIRE-TREATED PLYWOOD SHEET INFORMATION — CONCRETE FOUNDATION (0330-03) PROJECT MANAGER PROJECT NUMBER SECTIONS, & **DETAILS**

SECTION AT BACKWALL

3/8" = 1'-0" | A300

BUILDING / WALL



PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED BUILDING PROJECT #2742

D 3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

C

KEY PLAN

D

SHEET INFORMATION

PROGRESS DOCUMENTS
NOT FOR CONSTRUCTION

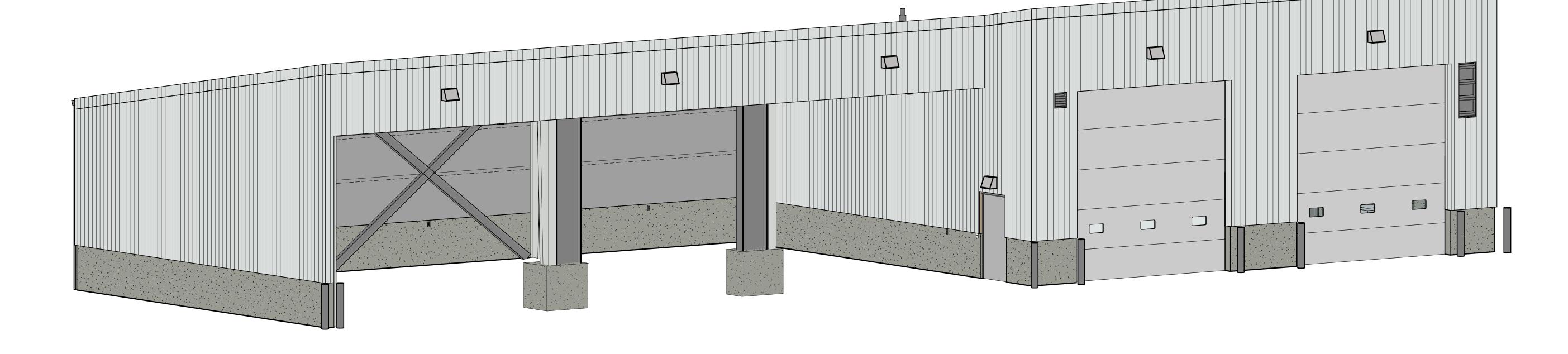
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER

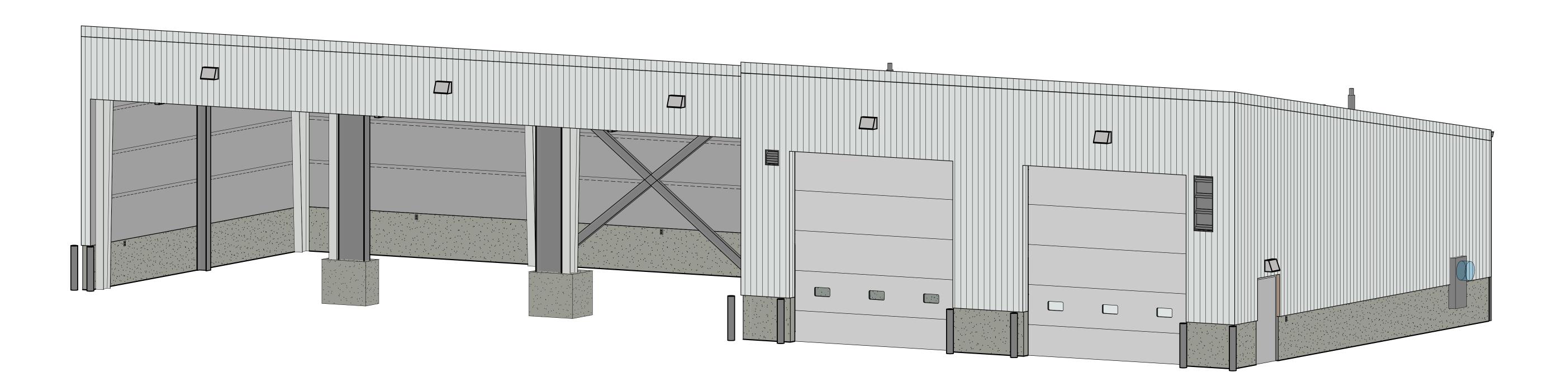
PROJECT NUMBER

EXTERIOR AXONOMETRIC VIEWS

A700







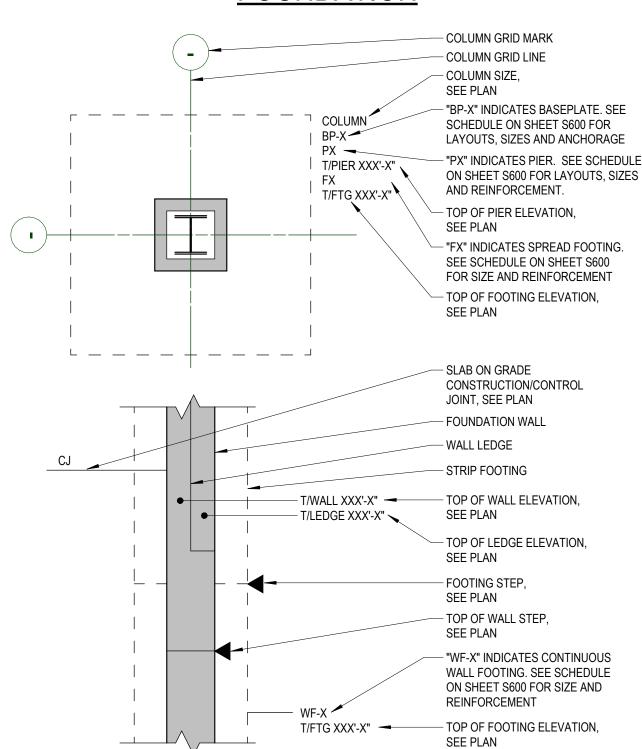
ABBREVIATIONS

Α		<u>D</u>		<u>H</u>		N		S	
A A/E	ARCHITECT/ENGINEER	DBA	DEFORMED BAR ANCHOR	HORIZ	HORIZONTAL	NF	NEAR FACE	<u>S</u> SC	SLIP CRITICAL
ADDL	ADDITIONAL	DBE	DECK BEARING ELEVATION	HCA	HEADED CONCRETE ANCHOR	NIC	NOT IN CONTRCT	SCHED	SCHEDULE(D)
AESS	ARCHITECTURAL EXPOSED	DBL	DOUBLE	HGR	HANGER	NOM	NOMINAL	SCL	STRUCTURAL COMPOSITE
	STRUCTURAL STEEL	DEMO	DEMOLISH	HS	HEADED STUD	NS	NEAR SIDE		LUMBER
AFF	ABOVE FINISHED FLOOR	DET	DETAIL	HVAC	HEATING, VENTILATION & AIR	NTS	NOT TO SCALE	SECT	SECTION
AHJ	AUTHORITY HAVING	DIA	DIAMETER		CONDITIONING	NWC	NORMAL WEIGHT	SFRS	SEISMIC FORCE RESISTING
	JURISDICTION	DIAG	DIAGONAL				CONCRETE		SYSTEM
ALT	ALTERNATE	DIM	DIMENSION	Ī		^		SIM	SIMILAR
APPD	APPROVED	DWA	DEFORMED WIRE ANCHOR	ID	INSIDE DIAMETER	<u>O</u>		SLBB	SHORT LEG BACK-TO-BACK
APPROX	APPROXIMATE	DWG	DRAWING	IF	INSIDE FACE	O/O	OUT TO OUT	SOG	SLAB ON GRADE, SLAB ON
AR	ANCHOR ROD	_		INT	INTERIOR	OC	ON CENTER		GROUND
ARCH	ARCHITECTURAL	E (E)				OD	OUTSIDE DIAMETER	SPEC	SPECIFICATION
D		(E)	EXISTING	<u>J</u>		OF	OUTSIDE FACE	SQ	SQUARE
<u>B</u>		EA	EACH	JT	JOINT	OPH	OPPOSITE HAND	SS	STAINLESS STEEL
ВО	BOTTOM OF	EE	EACH END	V		OPNG	OPENING	SSL	SHORT SLOTTED (HOLES)
BOT	BOTTOM	EF	EACH FACE	<u>K</u>		OPP	OPPOSITE	STD	STANDARD
BP	BASE PLATE	EJ	EXPANSION JOINT	K	KIPS (1000 LBS)	OPT	OPTION, OPTIONAL	STIF	STIFFENER
BRG	BEARING	EL	ELEVATION	KLF	KIPS PER LINEAL FOOT	OSB	ORIENTED STRAND BOARD	STL	STEEL
BU	BUILT-UP	ELEC	ELECTRICAL	KSF	KIPS PER SQUARE FOOT	OVS	OVERSIZED HOLE		STRUCTURAL
C		ELEV	ELEVATOR	KSI	KIPS PER SQUARE INCH	D		SW	SHEARWALL
<u>C</u>		EMBED	EMBEDMENT, EMBEDDED	1		<u>P</u>		SYM	SYMMETRIC,SYMMETRICAL
C	CAMBER	ENGR	ENGINEER	<u>L</u>		PAF	POWDER ACTUATED	т	
C&C	COMPONENTS AND CLADDING	EOD	EDGE OF DECK	LFRS	LATERAL FORCE RESISTING		FASTNER	I	TOD DOTTO
CANT	CANTILEVER	EOS	EDGE OF SLAB		SYSTEM	PCC	PRECAST CONCRETE	T&B	TOP AND BOTTOM
CC	CENTER TO CENTER	EP	EMBED PLATE	LLBB	LONG LEG BACK TO BACK	PCF	POUNDS PER CUBIC FOOT	TEMP	TEMPERATURE, TEMPORAR
CFMF	COLD-FORMED STEEL	EQ	EQUAL	LLH	LONG LEG HORIZONTAL	PERP	PERPENDICULAR	THD	THREADED
	FRAMING, COLD-FORMED	EQUIP	EQUIPMENT	LLV	LONG LEG VERTICAL	PJP	PARTIAL JOINT PENETARTION	THK	THICK, THICKNESS
000	METAL FRAMING	EQUIV	EQUIVALENT	LONG	LONGITUDINAL	PL	PLATE POUNDO DED LINEAD FOOT	TO	TOP OF
CGS	CENTER OF GRAVITY OF	EXP	EXPANSION EXTERIOR	LSH	LONG SIDE HORIZONTAL	PLF	POUNDS PER LINEAR FOOT	TRANS	TRANSVERSE
CIP	STRAND	EXT		LSL LSV	LONG-SLOTTED (HOLES)	PRELIM PSF	PRELMINARY	TYP	TYPICAL
CJ	CAST-IN-PLACE CONTROL JOINT	EW	EACH WAY	LSV	LONG SIDE VERTICAL LAMINATED VEENER LUMBER	PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	<u>U</u>	
CJP	COMPLETE JOINT	<u>F</u>		LVL	LONG WAY	PSL	PARALLEL STRAND LUMBER	UNO	UNLESS NOTED OTHERWISE
CJF	PENTRATION	<u>-</u> FD	FLOOR DRAIN	LWC	LIGHT WEIGHT CONCRETE	PT	POST-TENSIONED	UNO	UNLESS NOTED OTHERWISE
CL	CENTERLINE	FDN	FOUNDATION		LIGHT WEIGHT CONCRETE	ГІ	FOST-TENSIONED	<u>V</u>	
CLR	CLEAR	FF	FAR FACE	<u>M</u>		<u>Q</u>		VERT	VERTICAL
CMU	CONCRETE MASONRY	FIN	FINISH(ED)	MAS	MASONRY	QTY	QUANTITY	VEIXT	VERIFY IN FIELD
CIVIO	UNIT	FLR	FLOOR	MAX	MAXIMUM		QUANTITI		VEINI I INTILLED
COL	COLUMN	FLG	FLANGE	MC	MOMENT CONNECTION	<u>R</u>		<u>W</u>	
COMP	COMPRESSIBLE	FP	FULL PENETRATION	MECH	MECHANICAL	— RAD	RADIUS	WL	WORK LINE
CONC	CONCRETE	FS	FAR SIDE	MEP	MECHANICAL,	REF	REFERENCE	WP	WORK POINT
	CONNECTION	FTG	FOOTING	···-	ELECTRICAL, PLUMBING	REINF	REINFORCEMENT,	WS	WATERSTOP
	CONSTRUCTION	FUT	FUTURE	MEZZ	MEZZANINE	1141	REINFORCE	WT	WEIGHT
CONT	CONTINUE, CONTINUOUS	FV	FIELD VERIFY	MFR	MANUFACTURER	REM	REMAINDER	WWR	WELDED WIRE
COORD	COORINDATE			MIN	MINIMUM	REQD	REQUIRED		REINFORCEMENT
CS	COLUMN STRIP	<u>G</u>		MISC	MISCELLANEOUS	REV	REVISION	v	·
CTR	CENTER	GA	GAGE, GAUGE	MJ	MOVEMENT JOINT	RTU	ROOF TOP UNIT	<u>X</u>	
CVR	COVER	GALV	GALVANIZE	MK	MARK			XS	EXTRA STRONG
		GC	GENERAL CONTRACTOR	MS	MIDDLE STRIP			XXS	DOUBLE EXTRA STRONG
		GEN	GENERAL	MTL	METAL				
		GR	GRADE, GRADE (MATERIAL)	MWFRS	MAIN WIND FORCE				
					DECICTING OVETEN				

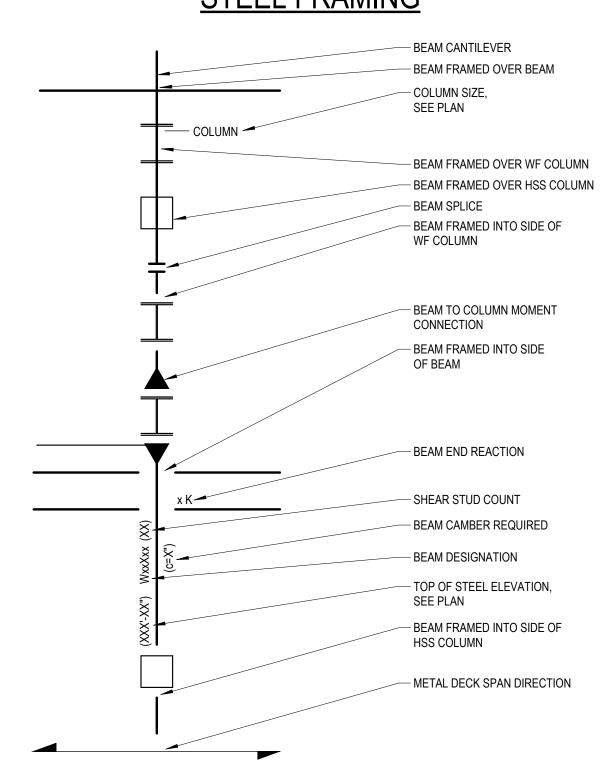
SYMBOL LEGEND

FOUNDATION

RESISTING SYSTEM



STEEL FRAMING



GENERAL NOTES

- 1. THE FOLLOWING GENERAL NOTES FOR THIS PROJECT SHALL APPLY TO ALL CONTRACTORS AND SUPPLIERS INVOLVED IN EXECUTION OF THE WORK SHOWN ON THESE DOCUMENTS. THESE NOTES ARE TO BE INCLUDED WITH ALL DRAWINGS, SPECIFICATIONS, ADDENDA, BULLETINS, AND PROJECT SUPPLEMENTS AS THE ENTIRE SET OF CONSTRUCTION DOCUMENTS.
- 2. ALL CONSTRUCTION SHALL BE PERFORMED IN CONFORMANCE WITH THE FOLLOWING:
- PLANS AND SPECIFICATIONS STATE OF WISCONSIN
- GOVERNING LOCAL AND MUNICIPAL CODES 2015 INTERNATIONAL BUILDING CODE (IBC)
- AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
- CONCRETE CONSTRUCTION:
- AMERICAN CONCRETE INSTITUTE (ACI) STRUCTURAL AND MISCELLANEOUS STEEL WORK:
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- AMERICAN WELDING SOCIETY (AWS) SOCIETY FOR PROTECTIVE COATINGS (SSPC)
- COLD FORMED METAL FRAMING: AMERICAN IRON AND STEEL INSTITUTE (AISI)
- 3. SEE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- 4. SECTIONS OR NOTES CALLED OUT ON PLAN SHALL APPLY TO ALL SIMILAR LOCATIONS ON THE BUILDING UNLESS SPECIFICALLY NOTED OTHERWISE.
- 5. BUILDING RISK CATEGORY (PER IBC TABLE 1604.5 & ASCE7 TABLE 1.5-1)

GRAVITY LOADS DEAD LOADS:

ROOF DEAD LOAD: METAL ROOF DECK & ROOFING COLLATERAL DEAL LOAD	BY PEMB MFR. 5 PSF
SNOW LOADS:	
GROUND SNOW LOAD	$P_g = 40 PSF$
EXPOSURE FACTOR	$C_{e} = 1.0$
THERMAL FACTOR	
OPEN STORAGE	$C_t = 1.2$
GARAGE	$C_t = 1.0$
IMPORTANCE FACTOR	$I_{s} = 1.0$
TYPICAL FLAT ROOF DESIGN LOAD (MIN.)	
OPEN STORAGE	$P_f = 34 PSF$
GARAGE	$P_f = 28 PSF$
ROOF LIVE LOAD (REDUCIBLE)	20 PSF

WIND LOADS	
BASIC/ULTIMATE DESIGN WIND SPEED	V _{ULT} = 115 MPH
NOMINAL DESIGN WIND SPEED	$V_{ASD} = 89 MPH$
WIND EXPOSURE CATEGORY	С
INTERNAL PRESSURE COEFFICIENT	GCpi = ± 0.55
EDGE DISTANCE 'a'	a = 4'-0"

EDGE DISTANCE 'a' COMPONENTS & CLADDING LOADS:

TABLE A-1: ROOF AND WALL C&C LOADS (BASED ON h = 18'-0")								
<u>10 SF</u>	<u>20 SF</u>	50 SF	_100 SF	200 SF				
+22 / -42	+21 / -42	+20 / -42	+20 / -42	+20 / -42				
+22 / -48	+21 / -47	+20 / -46	+20 / -45	+20 / -45				
+22 / -55	+21 / -54	+20 / -53	+20 / -53	+20 / -53				
+22 / -60	+21 / -56	+20 / -50	+20 / -45	+20 / -45				
+22 / -80	+21 / -73	+20 / -63	+20 / -55	+20 / -55				
+37 / -40	+36 / -38	+35 / -37	+33 / -36	+32 / -34				
+37 / -47	+36 / -44	+35 / -41	+33 / -38	+32 / -36				
	10 SF +22 / -42 +22 / -48 +22 / -55 +22 / -60 +22 / -80 +37 / -40	10 SF +22 / -42 +21 / -42 +22 / -48 +21 / -47 +22 / -55 +21 / -54 +22 / -60 +21 / -56 +22 / -80 +21 / -73 +37 / -40 +36 / -38	10 SF 20 SF 50 SF +22 / -42 +21 / -42 +20 / -42 +22 / -48 +21 / -47 +20 / -46 +22 / -55 +21 / -54 +20 / -53 +22 / -60 +21 / -56 +20 / -50 +22 / -80 +21 / -73 +20 / -63 +37 / -40 +36 / -38 +35 / -37	10 SF 20 SF 50 SF 100 SF +22 / -42 +21 / -42 +20 / -42 +20 / -42 +22 / -48 +21 / -47 +20 / -46 +20 / -45 +22 / -55 +21 / -54 +20 / -53 +20 / -53 +22 / -60 +21 / -56 +20 / -50 +20 / -45 +22 / -80 +21 / -73 +20 / -63 +20 / -55 +37 / -40 +36 / -38 +35 / -37 +33 / -36				

8. SEISMIC LOADS

SEISMIC IMPORTANCE FACTOR	I _e = 1.0
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION	$S_S = 0.053$
MAPPED SPECTRAL RESPONSE ACCELERATION (1s PERIOD)	$S_1 = 0.034$
DESIGN SPECTRAL RESPONSE ACCELERATION \(\)	$S_{DS} = 0.056$
DESIGN SPECTRAL RESPONSE ACCELERATION (1s PERIOD)	$S_{D1} = 0.054$
SEISMIC DESIGN CATEGORY	Α

SEISMIC FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE BASE SHEAR (BY PEMB MFR.)\

9.	MATERIAL STRENGTH	
	SOIL DESIGN BEARING PRESSURE	2,000 PSF (PRESU
	CONCRETE (NORMAL WEIGHT, UNO)	
	CAST-IN-PLACE FOOTINGS, SLABS, WALLS, ETC.	SEE SECTION C.
	REINFORCING STEEL	
	#3 & LARGER BARS - A615-60	$F_y = 60,000 PSI$
	WELDED WIRE REINF (WWR) - A1064-70	$F_y = 70,000 PSI$
	FASTENING AND ANCHORS (EQUIVALENT PRODUCTS ALLOWED UPON APPROV	/AL)
	ANCHOR RODS	BY PEMB MFR.
	POST-INSTALLED CONCRETE OR CMU ANCHORS	SEE SECTION H.

- 10. EXECUTION: CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS, SECTIONS, AND DETAILS BETWEEN ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY VARIANCE THAT WILL AFFECT THE BUILDING'S STRUCTURE BEFORE CONTRACTOR BEGINS WORK. ALL EQUIPMENT SUPPORTS AND ANCHORAGES SHALL BE VERIFIED WITH MANUFACTURER'S DRAWINGS. CONTRACTORS SHALL VERIFY ALL PROFILES, HEIGHTS AND DIMENSIONS AT PROJECT SITE PRIOR TO FABRICATION OF ANY MATERIAL AND INFORM THE ARCHITECT, STRUCTURAL, OR MECHANICAL ENGINEER OF ANY DISCREPANCIES OR FRAMING INTERFERENCES. FOR BIDDING PURPOSES ONLY, THE MORE EXPENSIVE OPTION SHALL BE SELECTED UNLESS MORE SPECIFIC INFORMATION IS GIVEN IN WRITING.
- 11. SUBMITTALS: GENERAL CONTRACTOR (OR CM) SHALL REVIEW AND STAMP SUBMITTALS BEFORE FORWARDING TO ENGINEER. FABRICATION SHALL NOT PROCEED PRIOR TO APPROVAL. ALL SHOP DRAWINGS SHALL CONTAIN THE ORIGINAL ISSUANCE DATE OF THE COMPLETED CONSTRUCTION DOCUMENTS, ALONG WITH ANY ADDENDA, REVISIONS, BULLETINS, OR SUPPLEMENTS. SHOP DRAWINGS SUBMITTED TO THE ENGINEER SHALL INCLUDE, BUT NOT BE LIMITED TO: CONCRETE MIX DESIGNS
 - REINFORCING STEEL PRE-ENGINEERED METAL BUILDING METAL FABRICATIONS

PLAN FOR THICKNESS) ABOVE FINISHED PAD AND BELOW SLAB.

- 12. PROJECT CONDITIONS: ALL EXISTING BUILDING DIMENSIONS AND CONDITIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION. THE STRUCTURAL ENGINEER/ ARCHITECT SHALL NOT BE RESPONSIBLE FOR ANY EXISTING INFORMATION SUPPLIED BY THE OWNER / GENERAL CONTRACTOR (OR CM) NOR SHALL BE LIABLE FOR THOSE EXISTING CONDITIONS THAT VARY FROM THE PREVIOUSLY GIVEN INFORMATION.
- 13. ALL ARCH, CIVIL, AND MEP SHOWN AS HALFTONE IN THE BACKGROUND OF THE STRUCTURAL PLANS, SECTIONS, ELEVATIONS AND DETAILS IS FOR REFERENCE ONLY. REFER TO NECESSARY DISCIPLINE DRAWINGS ACCORDINGLY FOR ALL PERTINENT

- 1. FOOTINGS: WALL AND COLUMN FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. PRIOR TO FOUNDATION CONSTRUCTION, ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY A SOILS TESTING AGENCY TO CONFIRM PRESUMED BEARING CAPACITY NOTED ABOVE. UNSUITABLE SOILS ENCOUNTERED AT THE BOTTOM OF FOOTING EXCAVATIONS SHALL BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL AS DIRECTED BY THE SOILS TESTING AGENCY OR GEOTECHNICAL ENGINEER. EARTH CUTS SHALL NOT BE USED AS FORMWORK FOR FOOTINGS.
- 2. SITE PREPARATION: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED FROM BENEATH ALL FOOTINGS AND REPLACED WITH COMPACTED STRUCTURAL FILL. ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED FROM BENEATH ALL SLABS AND REPLACED WITH COMPACTED STRUCTURAL FILL TO FINISHED PAD ELEVATION. PROVIDE VAPOR BARRIER (WHERE NOTED ON PLAN OR ARCHITECTURAL DRAWINGS) AND WELL GRADED GRANULAR FILL BASE COURSE (SEE PLAN FOR THICKNESS) ABOVE FINISHED PAD AND BELOW SLAB.
- 3. SLABS ON GRADE: REMOVE ALL TOPSOIL AND UNSUITABLE EXISTING FILL FROM BENEATH SLABS AND REPLACE WITH COMPACTED STRUCTURAL FILL TO FINISHED PAD ELEVATION. PROVIDE A WELL GRADED GRANULAR FILL BASE COURSE (SEE

- REFERENCES: CONCRETE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN: ACI 301 "SPECIFICATIONS OF STRUCTURAL CONCRETE FOR BUILDINGS"
- ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
- ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES"
- 2. ALL CONCRETE SHALL BE NORMAL WEIGHT (UNO ON DRAWINGS) AND SHALL BE TESTED IN STANDARD 6" x 12" CYLINDERS AT 7 AND 28 DAYS (MINIMUM).
- 3. CALCIUM CHLORIDE SHALL NOT BE PERMITTED. NO ADMIXTURES THAT CONTAIN CALCIUM CHLORIDE WILL BE PERMITTED.
- 4. REINFORCING STEEL SHALL BE OF ASTM GRADE REQUIRED IN SECTION 'A' WITH DEFORMATIONS COMPLYING WITH ASTM, A615 LATEST EDITION. DEFORMATIONS OR OTHER SYMBOL ROLLED INTO BAR AT MILL SHALL CLEARLY INDICATE THE GRADE OF
- 5. PLACING REINFORCEMENT: INSTALL REINFORCEMENT IN ACCORDANCE WITH CRSI "RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS", ACI 318, AND THE FOLLOWING MINIMUM CLEARANCES: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3" CLR CVR
 - CONCRETE EXPOSED TO EARTH AND WEATHER: #6 BAR AND LARGER 1 1/2" CLR COVER #5 AND SMALLER
 - CONCRETE NOT EXPOSED TO EARTH AND WEATHER OR IN CONTACT WITH GROUND: 1 1/2" CLR COVER
 - #9 BAR AND LARGER #8 BAR AND SMALLER 1" CLR COVER
- 6. PRECAST CONCRETE CUBES, WIRE CHAIRS, PLASTIC CHAIRS, OR SAND PLATE CHAIRS SHALL BE USED FOR THE SUPPORT OF REINFORCING ON GRADE. CLAY MASONRY BRICK SHALL NOT PERMITTED FOR USE AS REINFORCING SUPPORT.
- 7. CONCRETE SHALL BE DISCHARGED AT THE SITE WITHIN 1-1/2 HOURS AFTER WATER HAS BEEN ADDED TO THE CEMENT AND AGGREGATES. ADDITION OF WATER TO THE MIX AT THE PROJECT SITE WILL NOT BE PERMITTED. ALL WATER MUST BE ADDED AT THE BATCH PLANT. SLUMP MAY BE ADJUSTED ONLY THROUGH THE USE OF ADDITIONAL WATER REDUCING ADMIXTURE OR HIGH RANGE WATER REDUCING ADMIXTURE.
- 8. HOT WEATHER CONCRETING: FOLLOW ACI 305 "HOT WEATHER CONCRETING" WHEN MAXIMUM DAILY TEMPERATURE EXCEEDS 85 F, OR RAPID DRYING CONDITIONS EXIST; EVAPORATION RATE > .15LB/SF/HR PER FIGURE 2.1.5 OF ACI 305.
- 9. COLD WEATHER CONCRETING: FOLLOW ACI 306 "COLD WEATHER CONCRETING" WHEN FREEZING CONDITIONS APPLY OR MEAN DAILY TEMPERATURE FALLS BELOW 40 DEG. F.
- 10. WELDED WIRE FABRIC SHALL BE FLAT SHEETS ONLY, CONFORM TO ASTM A185, LAP 6" MINIMUM AND SHALL BE POSITIONED AT MID HEIGHT OF SLAB THICKNESS UNLESS NOTED OTHERWISE
- 11. SPLICES: LAP CONTINUOUS REINFORCING PER TABLE BELOW. IN GROUPS OF PARALLEL BARS, SPLICES SHALL BE STAGGERED. SPLICES INDICATED ARE 'CLASS B' PER ACI 318.

TABLE C-1: MINIMU	IM I VD VVID	EMBEDMENT	I ENGTH (CDADE 60 I	INICOVED	DVDC/
TABLE C-1. WIIIVIIVIC	JIVI LAF AND	LIVIDEDIVIENTI	LLINGTIT	GIVADE 00 I	UNCOATED	<u>JANO)</u>

<u>TABL</u>	E C-1: MI	NIMUM LAF	AND EMBEDMEN	T LENGTH	(GRADE
1	OP BARS	3	(OTHER BA	ARS
<u>SIZE</u>	SPLICE	EMBED.	<u>SIZE</u>	SPLICE	EMBED.
#3	24"	19"	#3	19"	15"
#4	32"	25"	#4	25"	19"
#5	40"	31"	#5	31"	24"
#6	48"	37"	#6	37"	29"
#7	70"	54"	#7	54"	42"
#8	88"	67"	#8	68"	52"
#9	94"	72"	#9	73"	56"
#10	106"	81"	#10	81"	62"
#11	125"	96"	#11	97"	74"

- 12. TERMINATE NON-CONTINUOUS BARS WITH A STANDARD HOOK IN ACCORDANCE WITH ACI IF DEVELOPMENT LENGTH CANNOT BE OBTAINED.
- 13. REINFORCING CALLED ON A CERTAIN PORTION OF THE BUILDING IS TYPICAL FOR ALL SIMILAR PORTIONS OF THE BUILDING,
- 14. OPENINGS IN ELEVATED SLABS, BEAMS, COLUMNS, OR WALLS SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY ENGINEER PRIOR TO PLACING CONCRETE. OPENINGS NOT SHOWN ON STRUCTURAL BUT REQUIRED FOR MECHANICAL, PLUMBING, OR ARCHITECTURAL MUST BE CONFIRMED WITH STRUCTURAL ENGINEER. CUTTING HOLES THROUGH BEAMS OR COLUMNS SHALL NOT BE PERMITTED.
- 15. SLABS ON GRADE MAY BE POURED AS A CONTINUOUS SCREEDED POUR WITH SAW CUT CONTROL JOINTS AT SPACING AS SHOWN ON PROJECT DRAWINGS OR WHERE DETERMINED BY FIBER REINFORCING MFR'S REPRESENTATIVE PRIOR TO POUR. DO NOT EXCEED 5,000 SF IN EACH POUR UNLESS DISCUSSED IN PRE-POUR MEETING (PRE-INSTALLATION CONFERENCE). SAW CUTS TO BE MADE WITHIN 6 HOURS OF POUR (4 HOURS IS PREFERRED). IF JOINT SPACING IS NOT INDICATED, ASSUME 10 '-0" TO 12'-0" SPACING FOR SLABS UP TO 5" THICK, AND 15'-0" MAXIMUM FOR ANY SLAB GREATER THAN 5".
- 16. GENERAL CONTRACTOR (OR CM) MUST SUBMIT DIAGRAM SHOWING THE PROPOSED JOINTS (CONSTRUCTION & CONTROL) FOR ALL AREAS OF THE SLABS ON GRADE. THIS DIAGRAM MUST BE REVIEWED BY THE A/E AND RETURNED TO THE CONTRACTOR PRIOR TO POURING ANY CONCRETE.
- 17. ALL CONCRETE ACCESSORIES SUCH AS CHAIRS, TIES, ETC., WHICH COME IN CONTACT WITH FORMWORK ON EXPOSED CONCRETE SHALL BE GALVANIZED OR PLASTIC COATED.
- 18. PROVIDE BOND BREAKER MATERIAL WHERE SLABS ABUT WALLS, COLUMNS AND OTHER VERTICAL SURFACES.
- 19. PROVIDE CONSTRUCTION JOINTS IN ALL CONTINUOUS FOOTINGS AND WALLS IN ACCORDANCE WITH ACI 318. ALL HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH JOINT. PROVIDE LAP AS NOTED IN TABLE IN C-1.
- 20. EXPOSED CONCRETE FLOOR SLABS SHALL BE SEALED. SEE SPECIFICATIONS OR ARCHITECTURAL DRAWINGS FOR
- 21. CONCRETE MIXES: REFER TO "CONCRETE MIX DESIGN MATRIX", THE FOLLOWING MAX AND MIN VALUES ARE TO BE USED AS GUIDELINES FOR PROVIDING CONCRETE THAT MEETS THE STRENGTH AND FINISH REQUIREMENTS OF THE CONCRETE FOR EACH USE. EXACT VALUES OF EACH ARE TO BE DETERMINED BY THE SUPPLIER & COORDINATED WITH THE CONCRETE CONTRACTOR AND GENERAL CONTRACTOR (OR CM) FOR EACH SPECIFIC USE WITH THE GIVEN CONDITIONS, ADMIXTURES,

E. PRE-ENGINEERED METAL BUILDING

NOTED OTHERWISE ON DRAWINGS.

PRINTED INSTALLATION INSTRUCTIONS.

UNLESS NOTED OTHERWISE.

- PRE-ENGINEERED METAL BUILDING STRUCTURE, INCLUDING SUPPORT FRAMES, COLUMNS, PURLINS, GIRTS, MECHANICAL UNIT CURBS, CONNECTIONS, ROOF AND WALL PANELS SHALL BE DESIGNED BY THE PRE-ENGINEERED METAL BUILDING SUPPLIER. THE CONTRACT DOCUMENTS INDICATE GENERAL LAYOUT AND DESIGN INTENT AND DO NOT SHOW ALL ELEMENTS NEEDED TO PROVIDE A COMPLETE STRUCTURAL SYSTEM. THE DESIGN AND LAYOUT OF THE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE THE RESPONSIBILITY OF THE PRE-ENGINEERED METAL BUILDING MANUFACTURER.
- 2. SEE GENERAL STRUCTURAL NOTES SECTION A. FOR GRAVITY, WIND, AND SEISMIC LOADS.
- 3. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL SUBMIT CALCULATIONS, INCLUDING COLUMN BASE REACTIONS, TO THE A/E FOR REVIEW AND APPROVAL PRIOR TO FOOTING CONSTRUCTION.
- 4. COORDINATE ALL ROOF AND WALL OPENINGS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND THE CONTRACTORS OF EACH.
- ALL FIELD INSTALLED MECHANICAL AND ADHESIVE ANCHORS SHALL BE APPROVED FOR THE TYPE AND INSTALLATION, FOR ITS APPLICATION, AND MATERIALS.
- 2. ALL PERSONNEL INSTALLING ADHESIVE/MECHANICAL ANCHORS SHALL BE TRAINED BY THE MANUFACTURER ON PROPER
- INSTALLATION TECHNIQUE. TRAINING DOCUMENTATION SHALL BE AVAILABLE UPON REQUEST. 3. MINIMUM ANCHOR EMBEDMENT, EDGE DISTANCE AND MINIMUM SPACING ARE PER MANUFACTURER'S REQUIREMENTS UNLESS
- 4. PLACE POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR AND EMBEDMENTS.
- 5. DRILL & PREPARE HOLES AND INSTALL ANCHORS IN ACCORDANCE WITH EVALUATION REPORTS AND MANUFACTURER'S
- 6. ACCEPTABLE ADHESIVE ANCHORS FOR USE IN CONCRETE OR MASONRY INCLUDE THE FOLLOWING
- CONCRETE: HILTI HIT-HY 200 V3 (ICC-ES ESR 3187) SOLID OR HOLLOW CMU: HILTI HIT-HY 270 (ICC-ES ESR 4143)
- 7. ACCEPTABLE MECHANICAL ANCHORS FOR USE IN CONCRETE INCLUDE THE FOLLOWING: EXPANSION ANCHORS: HILTI KWIK BOLT TZ2 (ICC-ES ESR 1917) SCREW ANCHORS: HILTI KWIK HUS-EZ (ICC-ES ESR 3027)

J. DELEGATED AND DEFERRED STRUCTURAL SUBMITTALS THE FOLLOWING STRUCTURAL COMPONENTS ARE TO BE DESIGNED BY A LICENSED ENGINEER AND SUBMITTED BY OTHERS FOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS: PRE-ENGINEERED METAL BUILDINGS



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PROJECT INFORMATION

FOTH - BROWN **COUNTY LANDFILL** STORAGE PROJECT #2742

3734 W MASON ST. **HOBART**, WI 54155

ISSUANCE AND REVISIONS

DESCRIPTION 4/1/2025 CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

STRUCTURAL SHEET INDEX

GENERAL STRUCTURAL INFORMATION FOUNDATION PLAN & ELEVATIONS

FOUNDATION DETAILS

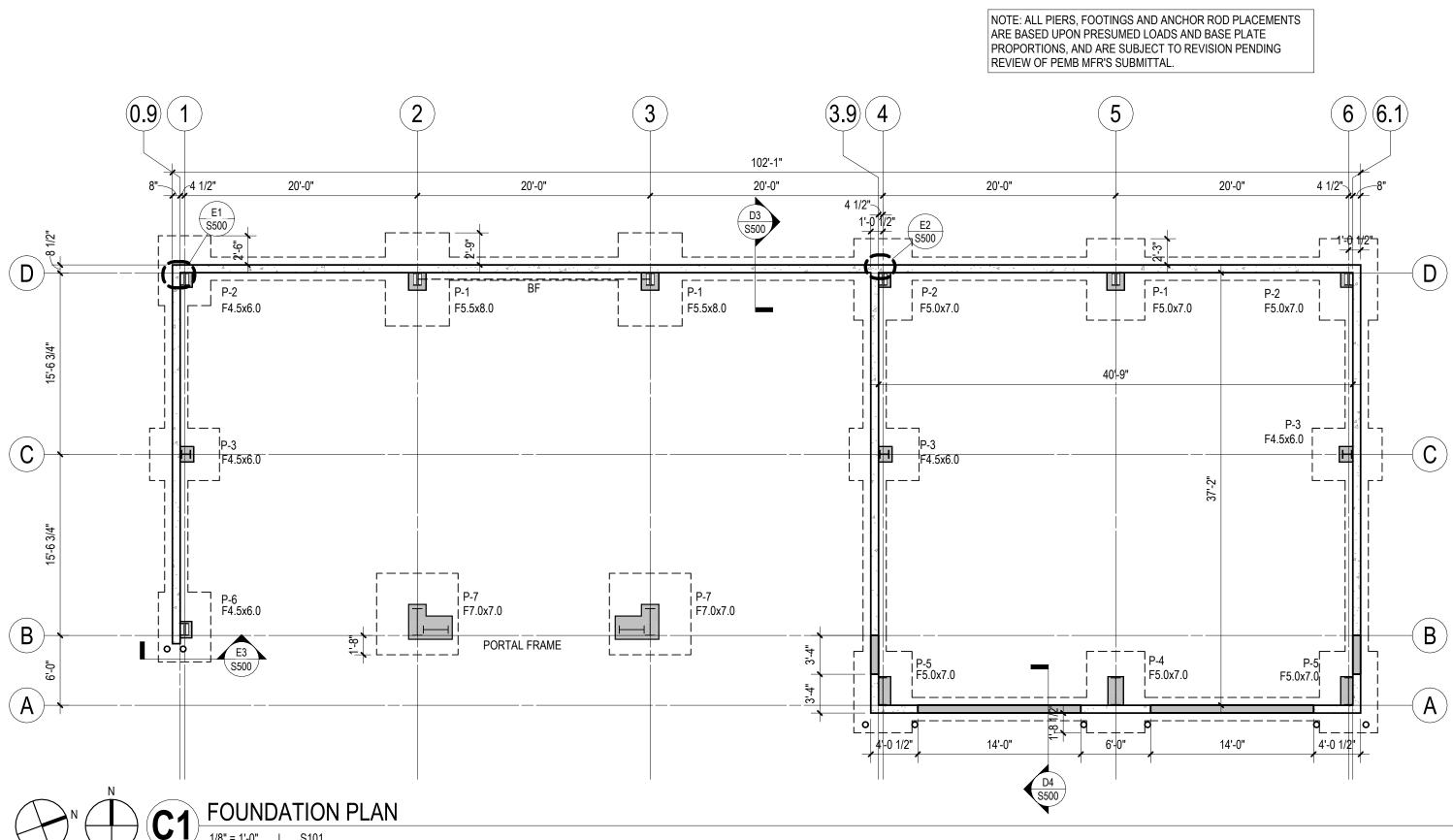
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PROJECT MANAGER

PROJECT NUMBER

GENERAL STRUCTURAL **INFORMATION**

925032



CONCRETE MIX DESIGN MATRIX								
CONCRETE USAGE	WEIGHT TYPE	EXPOSURE CLASS (NOTE D)	MIN COMP STRENGTH 28-DAYS	MAX W/C RATIO	CEMENT REPLACEMENT RANGE (NOTE F)	MAX AGG SIZE	AIR PCT	NOTES
FOOTINGS	NW	F1, C1	4,000 PSI	0.55	0-60%	1"	4 1/2%	NOTE A
PIERS & FOUNDATION WALLS	NW	F1, C1	4,000 PSI	0.55	0-60%	1"	4 1/2%	NOTE A
INTERIOR SLAB-ON-GROUND	NW	F0, C0	4,000 PSI	N/A	0-50%	1 1/2"	-	NOTE C, E

NOTES: A. CONCRE

- A. CONCRETE PERMANENTLY EXPOSED TO FREEZE / THAW CYCLES SHALL BE AIR ENTRAINED FOR THE DESIGNATED AMOUNT WITH A TOLERANCE OF PLUS OR MINUS 1-1/2%.
- B. ALL OTHER CONCRETE USED ON THE PROJECT ONLY REQUIRE AIR ENTRAINMENT IF IT IS PERMANENTLY EXPOSED TO FREEZE / THAW. CONDITIONS VARY.
- C. DO NOT USE AN AIR ENTRAINING ADMIXTURE OR ALLOW TOTAL AIR CONTENT TO EXCEED 3% FOR CONCRETE WITH TROWELED FINISHES.
- D. CONCRETE SHALL BE PROPORTIONED TO COMPLY WITH ACI 318-14 TABLES 19.3.1.1 AND 19.3.2.1 BASED ON EXPOSURE CLASS. THE STRICTER REQUIREMENTS SHALL APPLY BETWEEN ACI 318 AND THE MATRIX ABOVE.
- E. MIN CEMENTITIOUS CONTENT FOR FLOORS SHALL BE 470 PCY, 520 PCY, 540 PCY FOR 1 1/2", 1", 3/4" MAX AGGREGATE SIZE RESPECTIVELY.
- F. PROVIDE CEMENT REPLACEMENT MATERIALS (FLY ASH, SLAG, AND/OR SILICA FUME) WITHIN THE RANGES LISTED IN THE MATRIX ABOVE. REFER TO THE CONCRETE SPECIFICATIONS FOR ALLOWABLE PRODUCTS.

FOOTING SCHEDULE								
		SIZE		REINFORCING				
MARK	WIDTH	LENGTH	THICKNESS	BOTTOM	REMARKS			
F4.5x6.0	4'-6"	6'-0"	1'-0"	(4) - #5 LONG, (6) - #5 SHORT				
F5.0x7.0	5'-0"	7'-0"	1'-2"	(5) - #5 LONG, (7) - #5 SHORT				
F5.5x8.0	5'-6"	8'-0"	1'-2"	(5) - #6 LONG, (7) - #6 SHORT				
F7.0x7.0	7'-0"	7'-0"	1'-2"	(7) - #5 EW				

FOUNDATION NOTES

- A. FINISHED FLOOR ELEVATION = 100'-0" (UNLESS NOTED OTHERWISE).
- B. T/FTG = 96'-0", TYPICAL UNLESS NOTED OTHERWISE.
- C. T/PIER = 100'-0", TYPICAL UNLESS NOTED OTHERWISE.

(6)(6.1)

(2) - #4 X 4'-0" ——

(TYP.)

- D. COORDINATE THE LOCATIONS OF PLUMBING DRAINS AND EXTENT OF PITCHED SLABS WITH PLUMBING AND ARCHITECTURAL DRAWINGS.
- E. AT ALL RE-ENTRANT CORNERS, PROVIDE (2) #4 x 4 '-0" LONG DIAGONAL BARS PLACED AT MID-DEPTH OF SLAB (3" MAX CLEAR SPACING).
 F. FLOOR FLATNESS AND LEVELNESS: SEE SPECIFICATIONS FOR SPECIFIC

F. FLOOR FLATNESS AND LEVELNESS: SEE SPECIFICATIONS FOR SPECIFIC GUIDELINES REQUIRED FOR THE CONCRETE FLOOR SLAB.



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PROJECT INFORMATION

FOTH - BROWN COUNTY LANDFILL STORAGE PROJECT #2742

D 3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

C

KEY PLAN

D

SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER

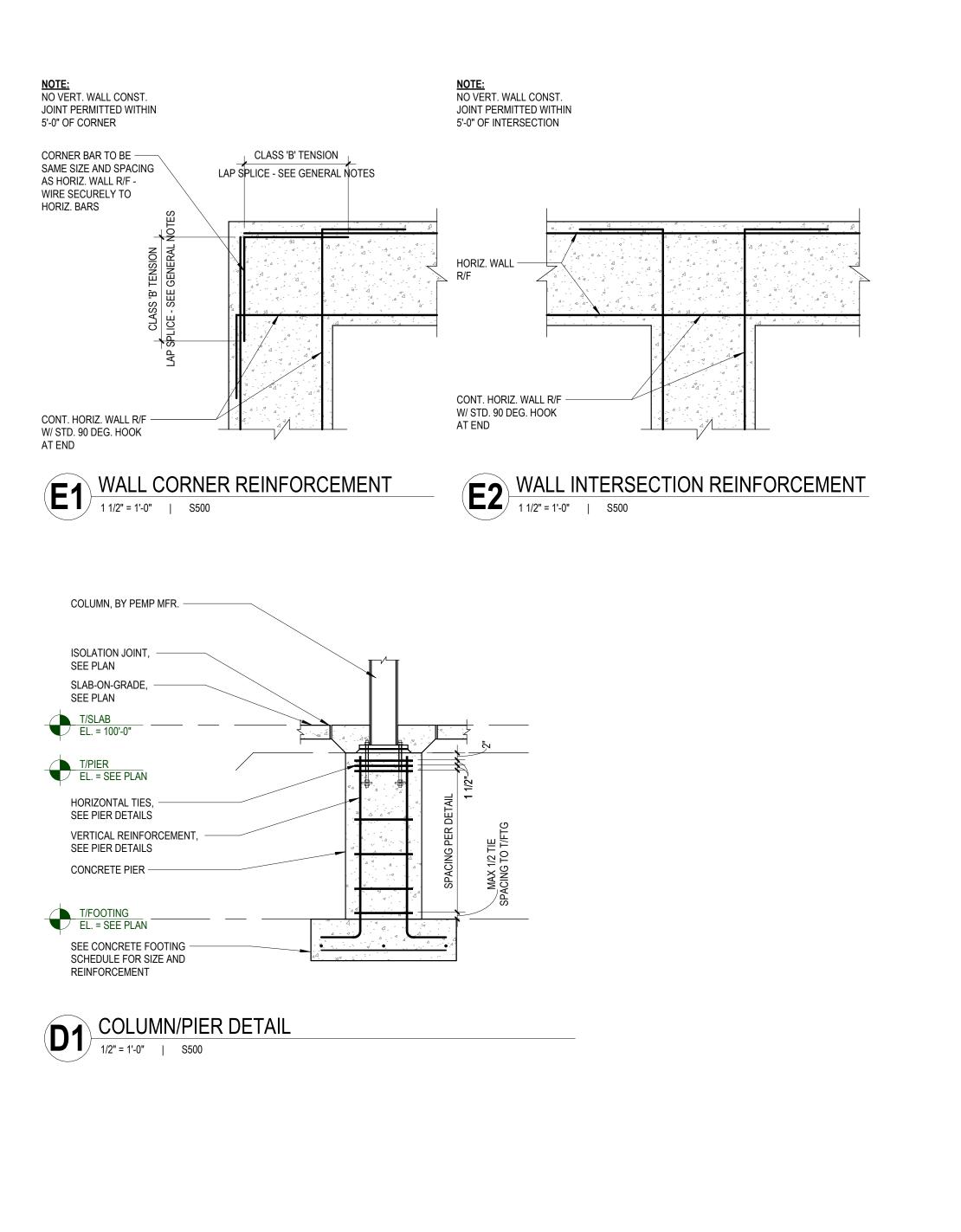
FOUNDATION PLAN & ELEVATIONS

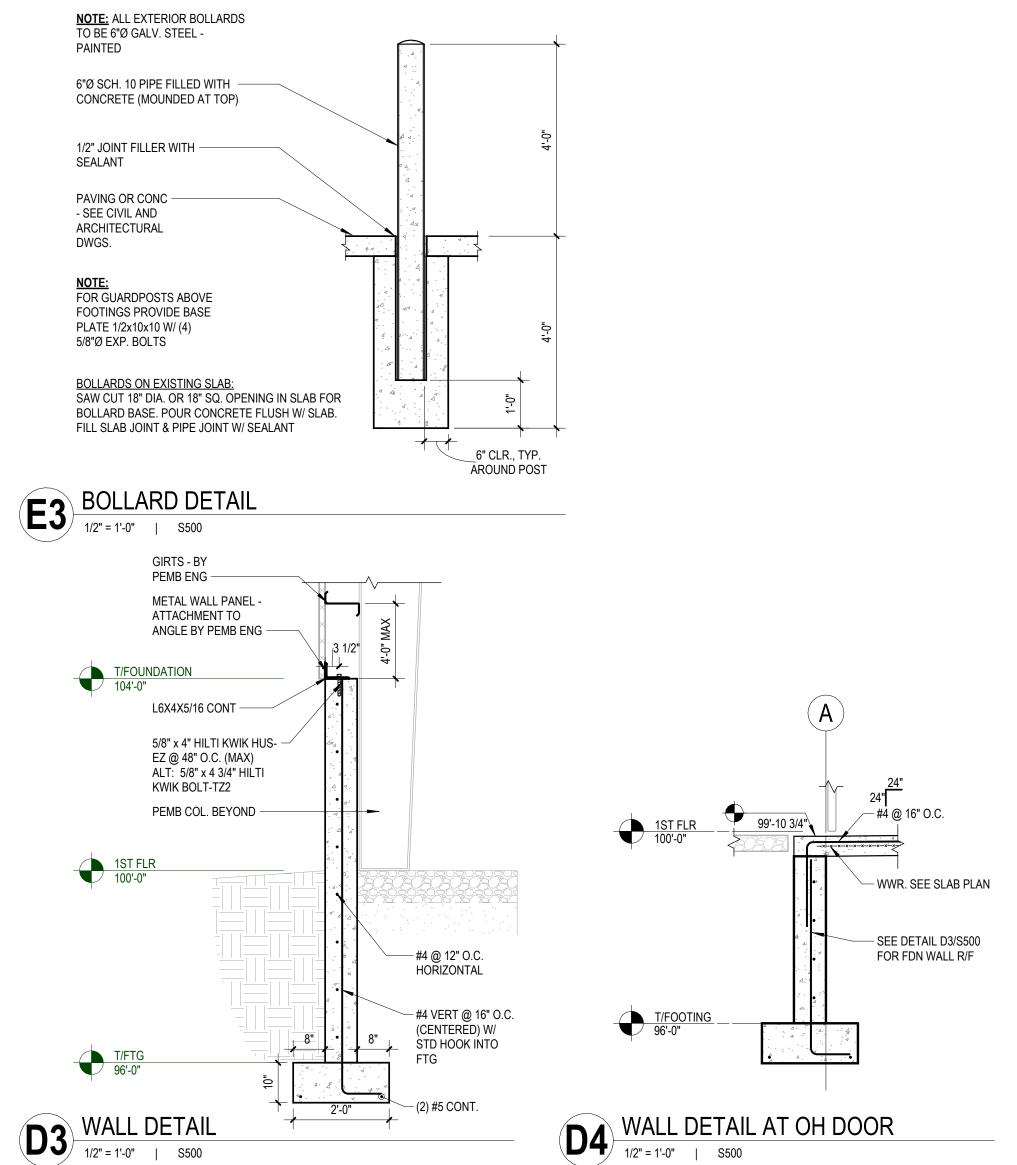
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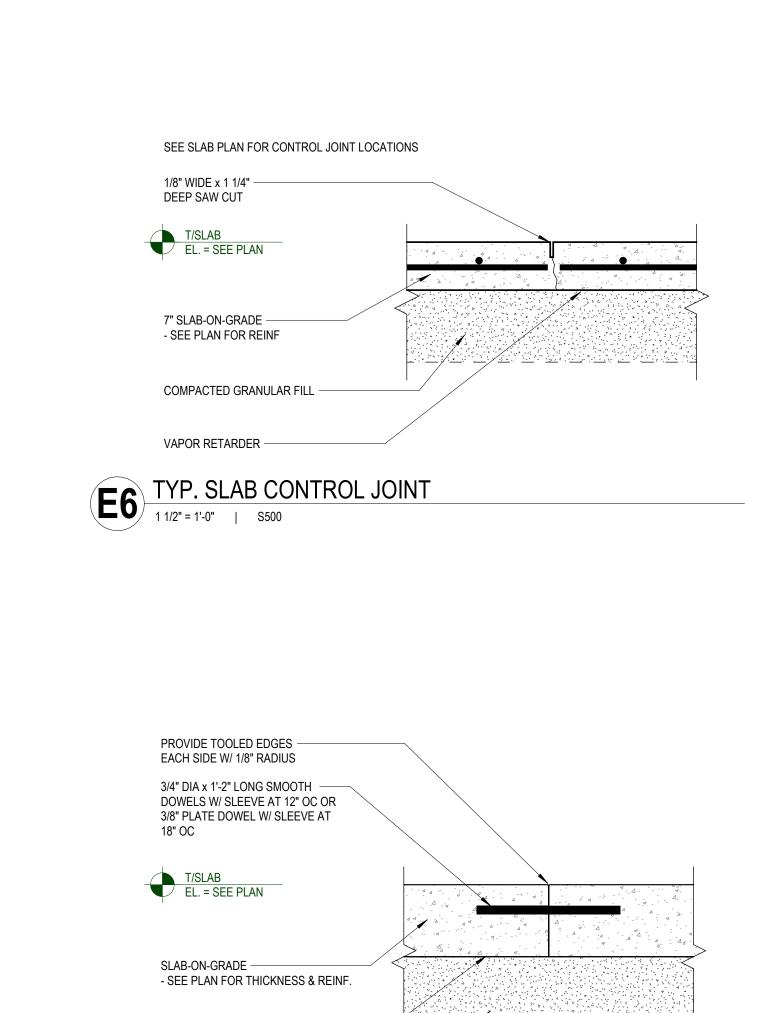
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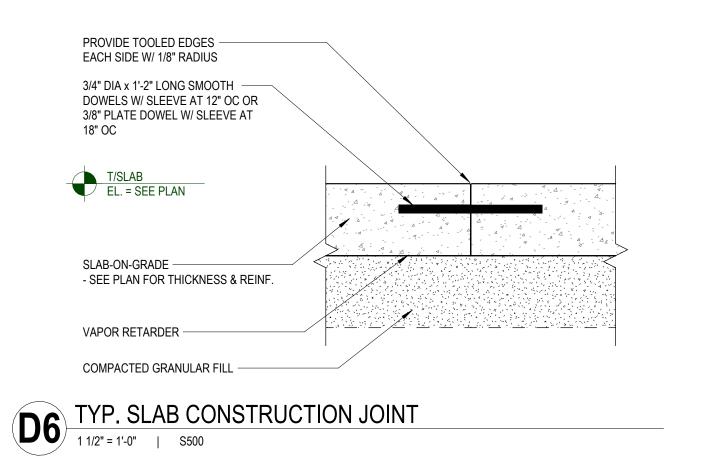
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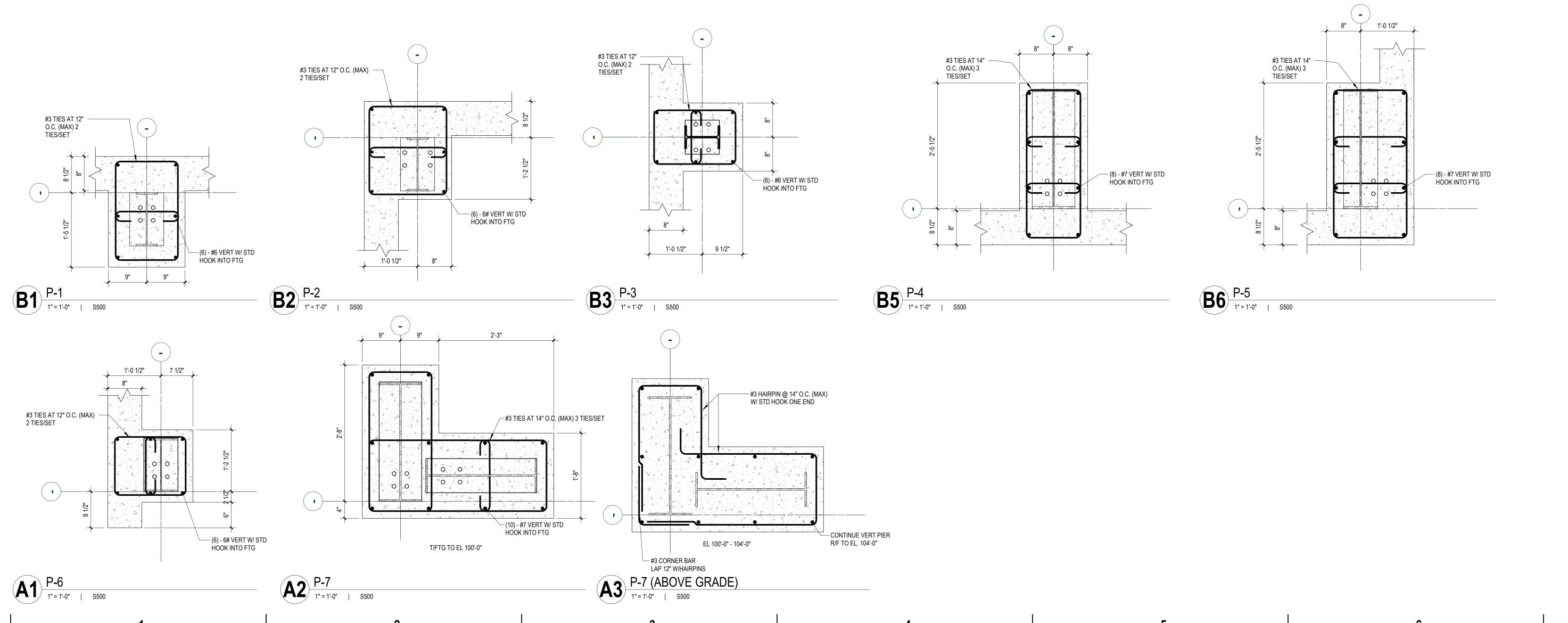


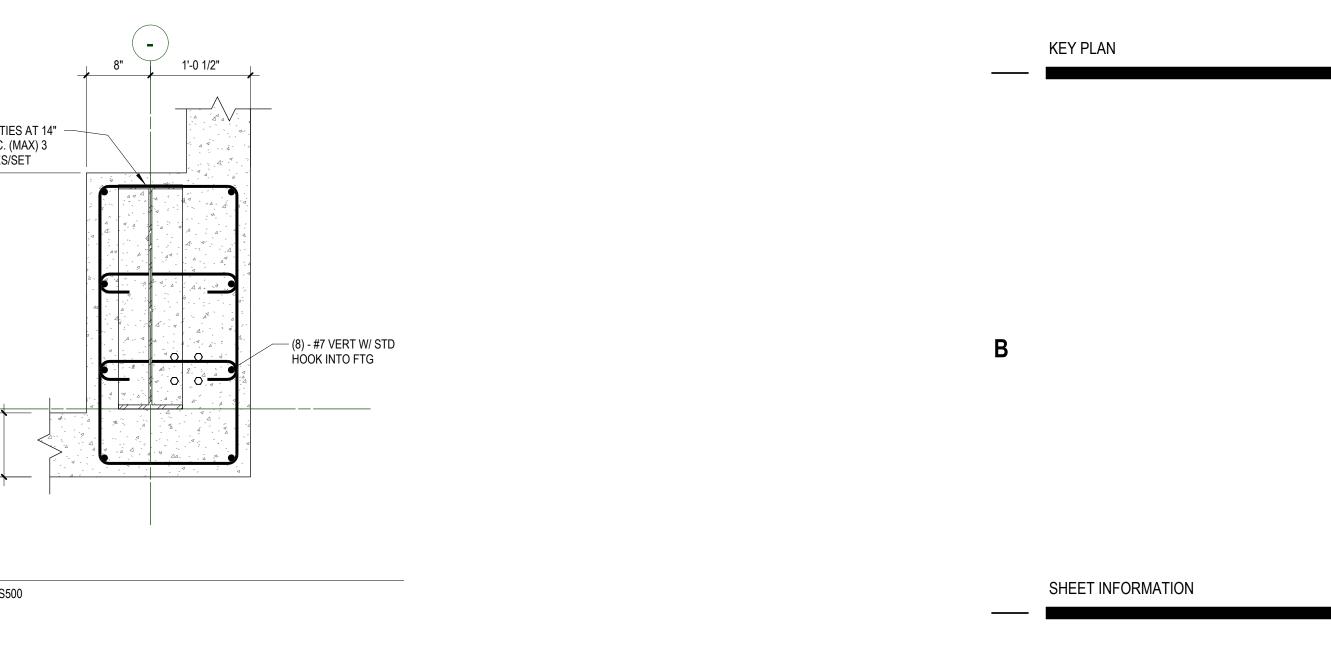




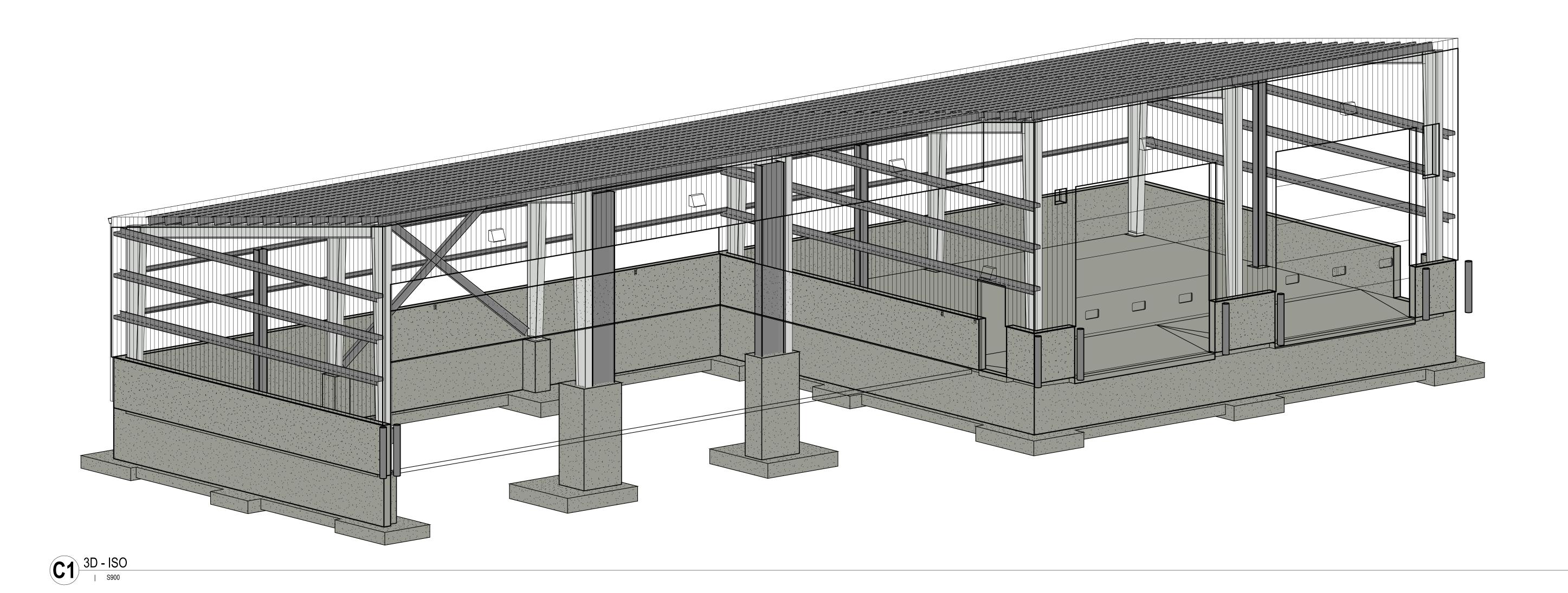








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PROJECT INFORMATION

FOTH - BROWN COUNTY LANDFILL STORAGE PROJECT #2742

D 3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

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4/1/2025 CONSTRUCTION DOCUMENTS

C

KEY PLAN

D

SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER

STRUCTURAL ISOMETRIC

S900

ABBREVIATIONS

DN DOWN

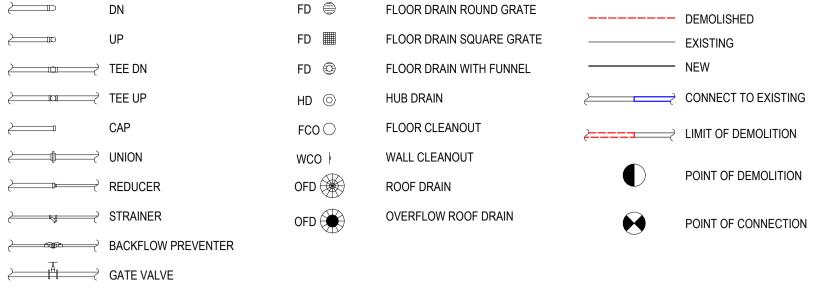
DS DOWNSPOUT

HYD HYDRANT

ALARM **ELEVATION** INSULATION (ANTI SWEAT) OUTSIDE AIR S/40 SCHEDULE 40 ABOVE FINISHED FLOOR ELECTRICAL INSULATION (COLD) OVERALL LENGTH S/80 SCHEDULE 80 EQUIP EQUIPMENT SANITARY ALTERNATE INSIDE DIAMETER ON CENTER ACCESS PANEL EXPANSION TANK INVERT ELEVATION OUTSIDE DIAMETER SANITARY DRAIN ASME AMERICAN SOCIETY OF EWC ELECTRIC WATER COOLER ORIGINAL EQUIPMENT MANUFACTURER SHOWER INCHES **OVERFLOW DRAIN** INSULATION MECHANICAL ENGINEERS EXCH EXCHANGER ASTM AMERICAN SOCIETY FOR INVERT SINK EXIST EXISTING OPPOSITE TESTING AND MATERIALS ISO ISOMETRIC OVHD OVERHEAD SOIL STACK AVERAGE STAINLESS STEEL STORM PIPING AND INSTRUMENTATION DIAGRAM STL STEEL FLOOR CLEANOUT JCT JUNCTION STORM VENT PRESSURE ALARM BUILDING FLOOR DRAIN PRESSURE CONTROLLER SYS SYSTEM BRITISH THERMAL UNITS FOUNDATION PRESSURE CONTROL VALVE FLANGE FLOOR LEVEL LATERAL BOP BOTTOM OF PIPE PLBG PLUMBING TANGENT POSITIVE BALL VALVE POS FIRE PROTECTION LAVATORY POUNDS PER SQUARE INCH TEMP TEMPERATURE FOOT / FEET POUNDS PRESSURE REGULATOR TAMPER SWITCH FITTING LINEAR FEET TOILET PIPE SUPPORT COMPRESSION FLUSH VALVE LP LOW PRESSURE POTABLE WATER TYP TYPICAL CATCH BASIN FIELD WELD CHECK URINAL CAST IRON QUANTITY CLEARANCE NATURAL GAS MATL MATERIAL UNION MAX MAXIMUM UTILITY STATION CENTERLINE GAGE CLEANOUT GALLON MBH 1000 BTU/HOUR **RADIUS** COL CONC COLUMN GALVANIZED MECH MECHANICAL **RADIANS** CONCRETE GENERAL CONTRACTOR MFR MANUFACTURER **ROOF DRAIN** VENT COND CONDENSATE GROUND CLEANOUT MANHOLE REDUCER VALVE CONN CONNECTION **GALLONS PER FLUSH** MINIMUM REQD REQUIRED VACUUM CW COLD WATER
CWS COLD WATER S **GALLONS PER HOUR** MISC MISCELLANEOUS REVISION VB VACUUM BREAKER REVERSE OSMOSIS COLD WATER SUPPLY GALLONS PER MINUTE MSB MOP BASIN VERT VERTICAL CTE CONNECT TO EXISTING CU CUBIC GAS PRESSURE REGULATOR REDUCED PRESSURE VS VENT STACK BACKFLOW PREVENTER CUH CABINET UNIT HEATER NOT IN CONTRACT HANDICAPPED WASTE NIPPLE **HOT WATER** NUMBER WATER CLOSET DOMESTIC COLD WATER HORIZONTAL NOM NOMINAL WCO WALL CLEANOUT HOR NOZZLE DEG DEGREE HIGH PRESSURE NOZZ WH WALL HYDRANT DHW DOMESTIC HOT WATER NTS NOT TO SCALE WASTE STACK DHWR DOMESTIC HOT WATER RETURN HEATER WEIGHT HTR DRINKING FOUNTAIN HOSE BIBB DIA DIAMETER HORSEPOWER

SYMBOL LEGEND

PLUMBING SYMBOLS GENERAL SYMBOLS



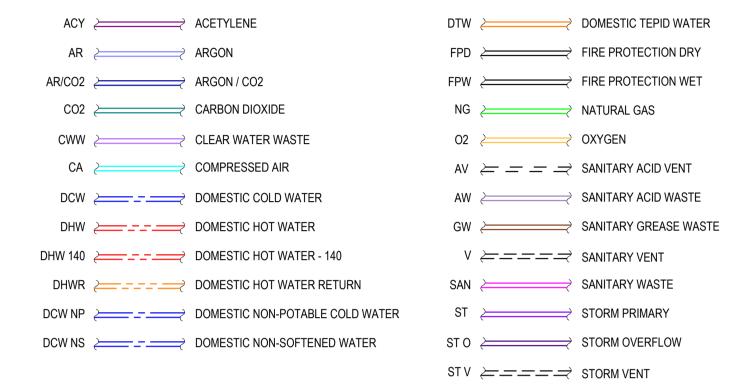
PIPING LEGEND

CLEANOUT

CHECK VALVE

BALL VALVE

PLUG VALVE



GENERAL NOTES

- A. ALL PLUMBING WORK SHALL BE INSTALLED BY A LICENSED PLUMBING
 CONTRACTOR AND BE IN ACCORDANCE WITH THE WISCONSIN STATE
 LEGISLATURE SPS 380 387 PLUMBING CODE AND ALL CODES APPLICABLE IN THE
 STATE OF WISCONSIN AND THE CITY OF HOBART CODE AMENDMENTS AND
- B. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS COMPLETELY COORDINATED WITH ALL DISCIPLINES. PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES AND CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ADDITIONAL COST TO THE OWNER. THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL. CAREFULLY REVIEW CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
- C. ANY CONFLICTS OF WORK SHALL BE BROUGHT TO THE ARCHITECT ATTENTION PRIOR TO PURCHASE OF EQUIPMENT OR COMMENCEMENT OF WORK.
- D. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC. TO AVOID INTERFERENCE'S WITH EQUIPMENT, PIPING, DUCT WORK, LIGHTS, CONDUIT, STRUCTURAL MEMBERS, ETC.
- E. ALL INVERTS SHALL BE VERIFIED IMMEDIATELY FOLLOWING AWARD OF CONTRACT. ALL INVERTS SHALL BE COORDINATED WITH STRUCTURAL FOOTINGS AND TRENCHING. COORDINATE ALL FLOOR PENETRATIONS WITH ALL TRADES. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. COORDINATE THE EXACT SIZE AND LOCATION OF ALL SLEEVES WITH STRUCTURAL ENGINEER. ALL PENETRATIONS SHALL BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- F. PROVIDE ACCESS PANELS FOR ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- G. ALL DRAINAGE PIPING AND POTABLE WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS AS HIGH AS POSSIBLE.
- H. ALL SANITARY WASTE PIPING LESS THAN 3" SHALL BE SLOPED AT A MINIMUM OF 1/4 INCH PER FOOT. SANITARY PIPING 3" AND ABOVE SHALL BE SLOPED AT A MINIMUM OF 1/8 INCH PER FOOT, UNLESS NOTED OTHERWISE.
- I. COORDINATE ALL UNDERGROUND PIPING WITH WALL FOOTINGS, COLUMN FOUNDATIONS AND OTHER STRUCTURAL CONDITIONS.
- J. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL PLUMBING FIXTURES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
- K. MAKE FINAL CONNECTION TO ALL EQUIPMENT INDICATED ON DRAWINGS. FINAL CONNECTION SHALL INCLUDE ANY ADAPTERS, NIPPLES SHUTOFF VALVES, PRESSURE REGULATING VALVES, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, ETC.
- L. ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCKOUTS, ETC) ARE TO BE LOCATED AND COORDINATED IN THE FIELD IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
- M. THE USE OF SPLIT CLAMP AND THREADED ROD TO SUPPORT VERTICAL PIPE ALONG WALLS, OR COLUMNS IS PROHIBITED. PROVIDE B-LINE 22 STRUT & B-2000 PIPE CLAMP. SUPPORT ALL PIPE RISES AT BASE OF RISER.
- N. VERIFY VOLTAGE, PHASE AND WIRE SIZE OF ANY PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO PURCHASING THE EQUIPMENT.
- O. SANITARY VENTS SHALL TERMINATE A MINIMUM OF 10 FT FROM OR 2 FT ABOVE ANY FRESH AIR INTAKES, WINDOWS OR VENT SHAFTS.
- P. HANG PIPE FROM SUBSTANTIAL BUILDING STRUCTURE. DO NOT HANG PIPE FROM
- OTHER PIPING, DUCTWORK, CEILINGS OR STEEL DECKING.

 Q. DO NOT USE "C" CLAMPS TO SUPPORT PIPE HANGERS FROM THE STRUCTURE.
- R. WHERE COMBUSTIBLE PIPING MATERIALS ARE INSTALLED WITHIN AN AIR PLENUM, PROVIDE FIRE WRAP PLENUM INSULATION OF THICKNESS SUFFICIENT TO MEET THE REQUIREMENTS OF IMC 602.2.1.

euc.

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PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED BUILDING PROJECT #2742

3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER

GENERAL PLUMBING INFO

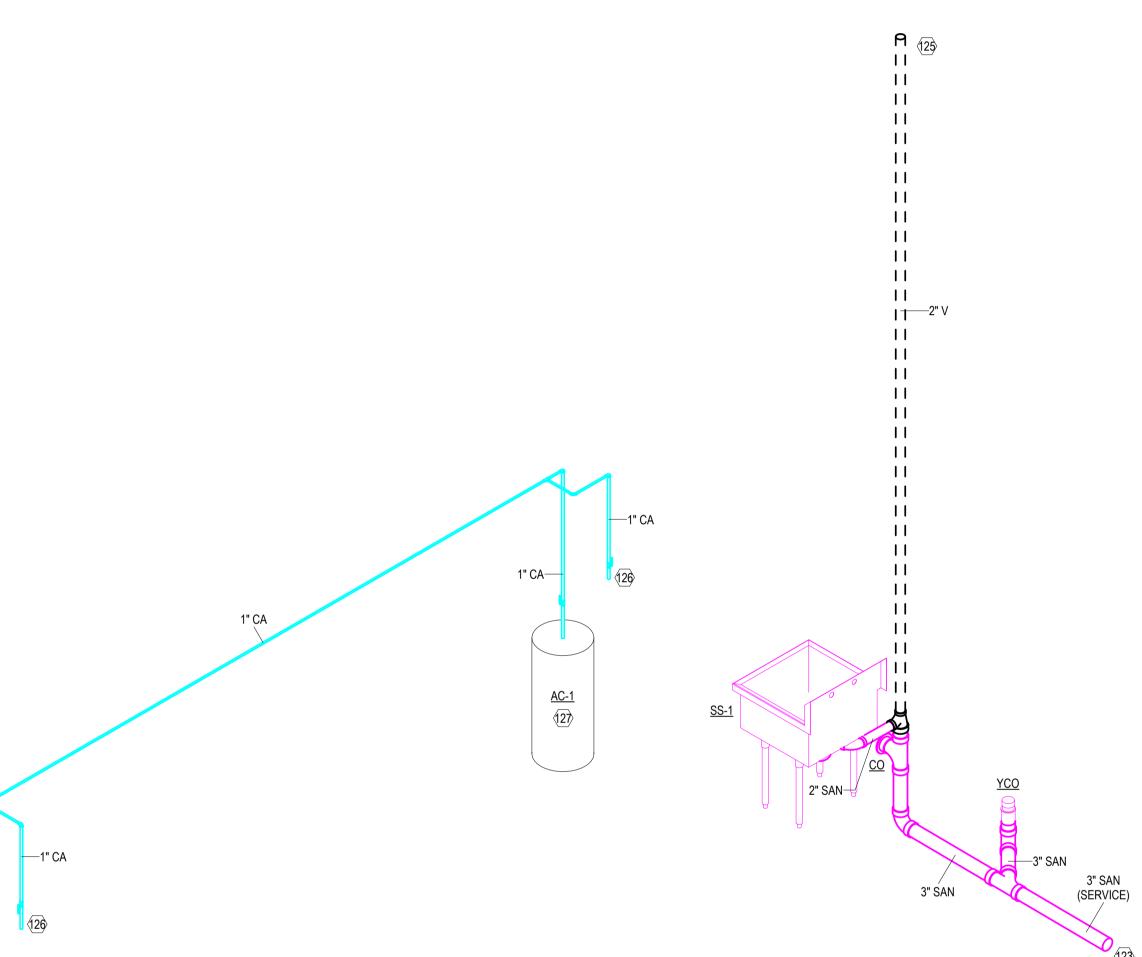
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			Pl	LUM	BIN	G FIX1	URE SCI	HEDULE
				COI	NNECT	ION SIZE		
TAG	DESCRIPTION	MANUFACTURER	MODEL	CW	HW	SAN TRAP	VALVE/FAUCET	NOTES
НВ	WASHSTATION	STRAHMAN	M-756	3/4"	0"	0"		3/4" PIPE SIZE, ANTI-SIPHON, SINGLE CONTROL VALVE, STAINLESS STEEL HOSE RACK AND MOUNTING ATTACHMENTS, TOP INLET CONNECTION. PROVIDE WATTS LF-8 OR EQUIVALENT, HOSE CONNECTION VACUUM BREAKER.
SS-1	SERVICE STATION - FLOOR MOUNTED	ELKAY	SS81242	3/4"	3/4"	2"	631-GN2AE3ABCP	STAINLESS STEEL, 27"X27-1/2"X14" BOWL, CENTER DRAIN, FLOOR MOUNT SINGLE COMPARTMENT SERVICE SINK, W/ MANUAL WRISTBLADE GOOSENECK FAUCET WITH ADJUSTABLE CENTERS.

			ELECT	RIC WA	ATER HE	EATER S	CHED	ULE			
						TEMP RISE @	STORAGE		ELECTRICAL		
٩G	SERVICE	LOCATION	MANUFACTURER	MODEL	TYPE	2 GPM (DEG F)	(GAL)	kW	VOLTAGE	PHASE	REMARKS
/H-1	SERVICE SINK	100 GARAGE	EEMAX	EX240T2T	INSTANTANEOUS	82	0	24	480	3	

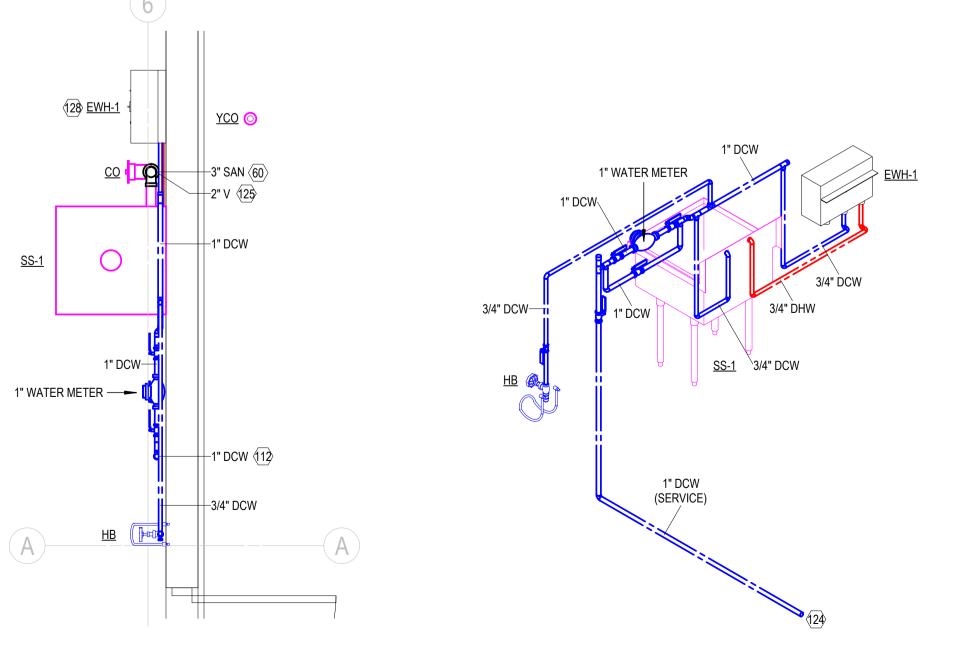
				DRAIN SCHEDULE
TAG	MANUFACTURER	DESCRIPTION	MODEL	REMARKS
CO	ZURN	WALL CLEANOUT WITH STAINLESS STEEL COVER	Z1470	COUNTERSUNK, BRONZE CLEANOUT PLUG, MATCH PIPE SIZE.
YCO	JAY R SMITH	YARD CLEANOUT	4251S	ROUND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED NICKEL BRONZE COVER, GASKET SEAL, NO-HUB OUTLET, BRONZE PLUB. MATCH PIPE SIZE UP TO 6". PROVIDE 18" SQUARE, 4" THICK CONCRETE PAD BELOW GRADE OR FINAL PAVING FOR SUPPORT AT UNSURFACED AREAS.

	OWN	ER FURNI	SHE	O COMPRESSEI) A	IR TAE	BLE			
							VOLUME	PRESSURE		
TAG	DESCRIPTION	MANUFACTURER	MODEL	TYPE	HP	CAPACITY	(GAL)	RAITING (PSI)	VOLTAGE	PHASE
AC-1	ELECTRICAL VERTICAL TANK MOUNTED AIR COMPRESSOR	SPEEDAIRE	4ME97	SINGLE STAGE SPLASH LUBRICATED	5	16 CFM	60	90	230	1



	3" SAN
PRESSED AIR ISOMETRIC	B6 SOIL, WASTE, & VENT ISOMETRIC
6	
128 <u>EWH-1</u> - YCO ⊙	1" DCW

		2	3	4	5	6
B					1" CA 127 AC-1 1" CA	B
	I I			l⊢i	GARAGE 100 1" CA	H
(A)						A4 P101
	, 0		Neille J	0 0	0 0	



	DOMESTIC WATER ISOMETRIC	
AD	DOMESTIC WATER ISOMETRIC P101	



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STATION 3-SIDED **BUILDING PROJECT**

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PLAN, DETAILS, SCHEDULES, & ISOS

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1ST FLR PLUMBING PLAN

1/8" = 1'-0" | P101

— WATER HEATER

6" OF FLOOR. ---- 3/4" DRAIN VALVE

COLD WATER SUPPLY HOT WATER SUPPLY

WATER HEATER DETAIL

NTS | P101

) B1 UNDERGROUND PLUMBING PLAN

1/8" = 1'-0" | P101

T&P RELIEF VALVE. PIPE DISCHARGE TO WITHIN

PAVEMENT

UNDER PAVEMENT FROST PROTECTION DETAIL

NTS | P101

- 1 1/2" THICK EXTRUDED POLYSTYRENE FOAM INSULATION 4'-0" WIDE

DOMESTIC WATER SERVICE BELOW GRADE. FOR CONTINUATION REFER TO CONNECT 3/4" CA LINE TO COMPRESSED AIR HOSE REEL. BASIS OF DESIGN: COXREELS EZ-E-LP-450. COORDINATE REEL HEIGHT WITH OWNER AND ALL milwaukee | madison | green bay | denver | atlanta

KEYNOTES PER SHEET

SANITARY PIPING BELOW GRADE. FOR CONTINUATION REFER TO CIVIL

3/4" DCW IN, 3/4" DHW OUT OF WATER HEATER. REFER TO WATER HEATER

SAN DOWN DCW UP DCW DOWN

V UP TO ROOF

DETAIL.

OTHER DISCIPLINES.

AIR COMPRESSOR PROVIDED BY OWNER.

WASTE TRANSFER #2742

D 3734 W MASON ST.

1ST FLR PLUMBING

ABBREVIATIONS

DEIONIZED WATER DEW POINT TEMPERATURE

DIRECT EXPANSION

DIFFERENTIAL PRESSURE ASSEMBLY

DIFFERENTIAL PRESSURE SENSOR

ARCHITECT / ENGINEER INPUT/OUTPUT OUTSIDE AIR T&P TEMPERATURE AND PRESSURE CONTROL VALVE EXHAUST AIR AUTOMATIC AIR VENT ENTERING AIR TEMPERATURE INSIDE DIAMETER **OUTSIDE AIR INTAKE** TESTING, ADJUSTING, BALANCE ACCESS DOOR ELECTRICAL CONTRACTOR INCH/INCHES **OUTSIDE DIAMETER** TEMPERATURE DIFFERENCE IN HG INCH OF MERCURY TOP OF DUCT AFTER FILTER **ENERGY EFFICIENCY RATIO** IN WC INCH WATER COLUMN TRAP AFF ABOVE FINISHED FLOOR EGS EMERGENCY GAS SHUTOFF AFMD AIR FLOW MEASURING DEVICE **EXPANSION JOINT** IN WG INCH WATER GAUGE PLUMBING CONTRACTOR TSP TOTAL STATIC PRESSURE AMP PUMPED CONDENSATE DISCHARGE TSTAT THERMOSTAT END OF MAIN DRIP (STEAM) AMPERAGE POUNDS PER CUBIC FOOT (FEET) ACCESS PANEL ENTERING AIR PRESSURE DROP EXTERNAL STATIC PRESSURE KILOWATT PRESSURE DROP EWC EVAPORATIVE WATER COOLER
EWT ENTERING WATER TEMPERATURE ASME kWh KILOWATT HOUR PRE-FILTER UNDER CUT AMERICAN SOCIETY OF PRESSURE GAGE UNDERWRITERS LABORATORY MECHANICAL ENGINEERS PARTS PER MILLION LEAVING AIR TEMPERATURE PRESSURE REGULATING VALVE BACKDRAFT DAMPER LBS/HR POUNDS PER HOUR POUNDS PER SQUARE INCH VALVE VARIABLE AIR VOLUME BACKFLOW PREVENTER LINEAR FOOT (FEET) POUNDS PER SQUARE INCH - ABSOLUTE VAV BRAKE HORSEPOWER FLOAT AND THERMOSTATIC TRAP LATENT HEAT POUNDS PER SQUARE INCH - GAGE **VOLUME DAMPER** COMBINATION FIRE SMOKE DAMPER LPG BOB **BOTTOM OF BEAM** LIQUID PROPANE GAS PRESSURE SAFETY VALVE VARIABLE FREQUENCY DRIVE VFD BOD **BOTTOM OF DUCT** FREE AREA LOW PRESSURE BRITISH THERMAL UNIT FLEXIBLE CONNECTION RETURN CONDENSATE BTUH BRITISH THERMAL UNIT PER HOUR FD LOW PRESSURE STEAM RETURN AIR WATTS FIRE DAMPER FINAL FILTER LEAVING RETURN AIR TEMPERATURE WET-BULB (TEMPERATURE) FLOW METER LWT LEAVING WATER TEMPERATURE REFRIGERANT DISCHARGE WATER FILTER COMPRESSED AIR WFCV WATER FLOW CONTROL VALVE FEET PER MINUTE RELIEF AIR COOLING COIL FEET PER SECOND RELATIVE HUMIDITY WFM WATER FLOW METER MIXED AIR CUBIC FEET PER HOUF FLOW SWITCH REFRIGERANT HOT GAS WFMD WATER FLOW MEASURING DEVICE FSTAT FREEZESTAT CFM CFT CUBIC FEET PER MINUTE MIXED AIR TEMPERATURE REFRIGERANT LIQUID LINE WG WATER GAGE CUBIC FEET MAV MANUAL AIR VENT RUN LOAD AMPERE CHEMICAL FEED PUMP FACE VELOCITY MAX MAXIMUM REVERSE OSMOSIS CHILLED WATER RETURN MBH 1000 BTUH REVOLUTIONS PER MINUTE REFRIGERANT SUCTION CHILLED WATER SUPPLY MECHANICAL CONTRACTOR **CARBON MONOXIDE** MINIMUM BRANCH RELIEF VALVE COMBUSTION AIR **GALLONS** CIRCUIT AMPACITY GENERAL CONTRACTOR MERV CARBON DIOXIDE MINIMUM EFFICIENCY SUPPLY AIR COMP COMPRESSOR UNIT GALLONS PER HOUR REPORTING VALUE SOUND ATTENUATING DEVICE CONSTANT VOLUME **GALLONS PER MINUTE** MINIMUM COLD WATER (POTABLE) **GALVANIZED STEEL** MILLIMETER SUPPLY AIR TEMPERATURE MM MOD MOTOR OPERATED DAMPER SHADING COEFFICIENT CONDENSER WATER PUMP CONDENSER WATER RETURN MOTOR OPERATED VALVE SCFM STANDARD CUBIC FEET PER MINUTE MVD MANUAL VOLUME DAMPER HEAD TO COOLING TOWER) SMOKE DETECTOR CWS SMOKE DAMPER CONDENSER WATER SUPPLY HORSEPOWER (FROM COOLING TOWER) HIGH PRESSURE DRIP TRAP SENSIBLE HEAT NOT APPLICABLE SENSIBLE HEAT HIGH PRESSURE RETURN CONDENSATE NOISE CRITERIA SQUARE INCHES DECIBELS HIGH PRESSURE STEAM NORMALLY CLOSED STATIC PRESSURE DRY-BULB TEMPERATURE HSTAT HUMIDISTAT STATIC PRESSURE SENSOR NATURAL GAS HW HEATING WATER DIRECT DIGITAL CONTROLS NORMALLY OPEN SQ FT SQUARE FOOT (FEET) HWR HEATING HOT WATER RETURN NOM NOMINAL STAINLESS STEEL NO2 NTS DIAMETER HWS HEATING HOT WATER SUPPLY NITROUS DIOXIDE

NOT TO SCALE

SYMBOL LEGEND

PRESSURE GAUGE

DUCTWOR	KK SYMBOLS			PIPING SYMBOLS	GENERAL SY	MBOLS
						EXISTING
	BALANCING DAMPER		ROUND/RADIUS ELBOW	NG NATURAL GAS		DEMOLISH
FD /	FIRE DAMPER		GORED ROUND ELBOW	CA COMPRESSED AIR COMB COMBUSTION AIR		NEW
FSD	COMBINATION FIRE SMOKE DAMPER		ROUND TAKEOFF W/ STANDOFF DAMPER	HWS HEATING WATER SUPPLY		CONNECT TO EXISTING
FSD	MOTORIZED DAMPER			⊨ ∃WR		LIMIT OF DEMOLITION
MOD —	BACKDRAFT DAMPER		ROUND TAKEOFF - CONIC	REFRIGERANT LIQUID		POINT OF DEMOLITION
BDD	ROUND DUCT		ROUND TEE - CONICAL	RS REFRIGERANT SUCTION	T	THERMOSTAT / ROOM SENSOR
		(Fr.	VANE ELBOW	CHS CHILLED WATER RETURN CHS CHILLED WATER SUPPLY	$oxed{H}$	HUMIDISTAT
14x14	RECTANGULAR DUCT		DECTANCIII AD ELDOW	GEOTHERMAL RETURN	\bigcirc CO 2	CARBON DIOXIDE MONITOR
14/14	OVAL DUCT		RECTANGULAR ELBOW	GEOS GEOTHERMAL SUPPLY	F	FAN SWITCH/CONTROLLER
	FLEX DUCT		VANE ELBOW & AIR SLIT TYPE DUCT TAKE-OFF		$oldsymbol{\Theta}$	TIE IN POINT
	RECTANGULAR RETURN DUCT (UP & DOWN)		DUOT WITH COUNTY IN	HPS HIGH PRESSURE STEAM		
	RECTANGULAR SUPPLY DUCT		DUCT WITH SOUND LININ	nigh Pressure Return Condensate		
	(UP & DOWN) RECTANGULAR EXHAUST DUCT		DUCT WITH LAGGING	CR CONDENSATE RETURN LPS LOW PRESSURE STEAM	<u>EQUIPMENT I</u>	NOTES
	(UP & DOWN)		DUCT WITH SOUND LINING AND LAGGING	LPR LOW PRESSURE RETURN CONDENSATE		— EQUIPMENT TYPE
\bigcirc	ROUND RETURN DUCT (UP & DOWN)	* × ×	LINING AND LAGGING	CWS CONDENSER WATER SUPPLY	<u>V-1</u>	— EQUIPMENT NUMBER
\otimes	ROUND SUPPLY DUCT (UP & DOWN)		DUCT WITH SOUND LINING AND LAGGING	CONDENSER WATER RETURN		— AIR TERMINAL TYPE & NUMBER
\bigotimes	ROUND EXHAUST DUCT (UP & DOWN)			CONDENSATE	(2) 100 CD1	— AIR TERMINAL CFM
	(or a berni)			CPD CONDENSATE PUMPED DISCHARGE		— NUMBER REQUIRED
GENERAL P	PIPING SYMBOLS			CONDENSATE DRAIN		
,	>		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	≥	→ BUTTERFLY V.	ALVE
	→ DIRECTION OF PIPE PITCH (DOW→ DIRECTION OF FLOW	/N)		FLOW ELEMENT REFRIGERANT SIGHT GLASS		
~ ×				TEST PLUG (PRESSURE/TEMPERATURE)	→ BALL VALVE	
	REDUCER OR INCREASER		\triangle		→ MODULATING	CONTROL VALVE
<u> </u>	→ ECCENTRIC REDUCER			AUTOMATIC AIR VENT	→ TWO POSITIO	N CONTROL VALVE
~ T	→ TOP CONNECTION, 45° OR 90°			MANUAL AIR VENT	THRFF-WAY M	IODULATING CONTROL VALVE
	→ BOTTOM CONNECTION, 45° OR 9→ SIDE CONNECTION	90°	₹	STRAINER		
	→ SIDE CONNECTION CAPPED OUTLET		,	ISOLATION VALVE	THREE-WAY T	WO POSITION CONTROL VALVE
~ = ==================================	RISE OR DROP IN PIPE				PRESSURE RE	EGULATING VALVE
<u> </u>	—→ UNION			BALANCING VALVE	PRESSURE SA	FETY VALVE
0	PIPE UP		~	GLOBE VALVE \longrightarrow	→ AUTOMATIC B	ALANCING CONTROL VALVE
G	PIPE DOWN		7		•	
	PIPE GUIDE INVERTED BUCKET TRAP SET			DRAIN VALVE W/ HOSE CONNECTION	→ WATER BALAN	ICE DEVICE
\leftarrow	INCLUDING PIPING ACCESSORIE SEE DETAIL	ES		CHECK VALVE	CIRCUIT SETT	ER VALVE
├	FLOAT & THERMOSTATIC TRAP S INCLUDING PIPING ACCESSORIE			WYE STRAINER (WITH VALVE & HOSE CONNECTION)	→ PLUG VALVE	
	SEE DETAIL THERMOSTATIC TRAP SET		≥ _{AAr}	WYE STRAINER (WITH VALVE AND QUICK-COUPLE HOSE CONNECTOR)	→ PRESSURE RE	EDUCING VALVE (PRV)
	INCLUDING PIPING ACCESSORIE SEE DETAIL	ES	\leftarrow	FLEXIBLE CONNECTION	→ FLOW MEASU	RING DEVICE
<u> </u>	THERMOMETER			ANGLE GLOBE VALVE	→ TRIPLE DUTY	VALVE
			$\overline{\lambda}$	•		

PAGE 29

GENERAL NOTES

- . PROVIDE MISCELLANEOUS METALS AND MATERIALS FOR A COMPLETE INSTALLATION (IE: SUPPORT, BRACING, ETC).
- PROVIDE EQUIPMENT SUBMITTAL, FOR REVIEW, IN ACCORDANCE WITH THE SPECIFICATIONS. DO NOT DELIVER TO THE JOB SITE ANY PRODUCTS WITHOUT PRIOR REVIEW BY THE ARCHITECT.
- PRIOR TO SUBMISSION OF BID, REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS (INCLUDING ALL OTHER TRADES). INCLUDE ADDITIONAL PIPE OR DUCT OFF-SETS THAT MAY BE REQUIRED TO CLEAR STRUCTURE, FINISHES OR WORK OF OTHER TRADES. FIELD VERIFY EXACT LOCATION AND SIZES OF EXISTING UTILITIES, THE PROPOSED POINT OF CONNECTIONS TO EXISTING SYSTEMS, AND NEW ROUTINGS. SYSTEM LAYOUTS AS INDICATED ON DRAWINGS ARE GENERALLY DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION WILL PERMIT.
- PROVIDE DUCT ACCESS DOORS FOR EQUIPMENT AND DEVICES REQUIRING ACCESS OR RESETTING (IE. FIRE AND SMOKE DAMPERS, SMOKE DAMPERS, SENSORS, ETC) INDICATE SIZE AND LOCATION ON COORDINATED SHOP DRAWINGS.
- FLASH AND COUNTERFLASH ALL ROOF PENETRATIONS TO SEAL WEATHER TIGHT (SEE ARCHITECTURAL ROOFING DETAILS AND SPECIFICATIONS).
- EQUIPMENT, HVAC DUCTS, PIPING AND OTHER DEVICES AND MATERIALS INSTALLED OUTDOORS OR EXPOSED TO WEATHER SHALL BE WEATHERPROOF. PROVIDE MANUAL VOLUME DAMPERS AT EACH GRILLE, REGISTER, AND DIFFUSER. DO NOT USE VOLUME DAMPERS INTEGRAL WITH GRILLES, DIFFUSERS AND

REGISTERS FOR AIR BALANCING.

STARTERS.

- INSTALL EQUIPMENT WITH SUFFICIENT ACCESS TO PANELS, ELECTRICAL CONNECTIONS, CONTROLS, FILTERS, MOTORS, ETC. COORDINATE ACCESS TO ALL DAMPERS, VALVES, AND OTHER SERVICEABLE EQUIPMENT. REVIEW CEILING HEIGHTS AND COORDINATE ACCESS PANEL LOCATIONS.
- VERIFY DIFFUSERS, GRILLES, AND REGISTER MOUNTING FRAME TYPES WITH CONSTRUCTION TYPE AND CONFIGURATION.
- . PAINT ALL VISIBLE INTERIOR PORTIONS OF DUCTWORK FLAT BLACK.
- PROTECT AND ISOLATE DUCTS STORED ON CONSTRUCTION SITE FROM DUST CONTAMINATION. COORDINATE LOCATION OF SENSORS AND THERMOSTATS WITH ARCHITECT AND
- OWNER. COMPLY WITH ADA REQUIREMENTS. M. SEE EQUIPMENT SCHEDULES FOR BRANCH PIPE SIZES TO EQUIPMENT, WHERE
- PIPE SIZES ARE NOT SHOWN ON PLANS. N. COORDINATE WITH DIVISION 26 FOR LOCATION OF POWER AND LOCAL DISCONNECTS FOR MECHANICAL EQUIPMENT DEVICES. PROVIDE STARTERS FOR

EQUIPMENT WITHOUT VFD'S, ECM MOTORS, OR EQUIPMENT WITHOUT INTEGRAL

MAINTAIN MINIMUM ELECTRICAL CODE AND UNIT MANUFACTURER'S CLEARANCES TO ADJACENT CONSTRUCTION OR EQUIPMENT.

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PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED **BUILDING PROJECT** #2742

3734 W MASON ST. **HOBART**, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION
4/1/2025 CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER

PROJECT NUMBER

GENERAL MECHANICAL INFORMATION

EXHAUST FAN SCHEDULE (EF) ELECTRICAL E.S.P. WEIGHT VFD RPM TYPE VOLTAGE PHASE FLA MANUFACTURER MODEL (LBS) NOTES UNIT NO. LOCATION CFM DRIVE ("WG) DIRECT NO 1230 INLINE GREENHECK 100 GARAGE 1125 DIRECT 0.5 NO 1715 INLINE 115 1 3.8 GREENHECK SQ-9-M1-VG 52.00 lb

REFER TO SPECIFICATIONS FOR ACCESSORIES.

	GAS UNIT HEATER SCHEDULE (GUH)											
UNIT NO.	LOCATION	F CFM	AN HP	EAT (°F)	INPUT (MBH)	OUTPUT (MBH)	VOLT/PHASE	MANUFACTURER	MODEL	FUEL TYPE	WEIGHT	NOTES
				(')	\ /	, ,						110123
GUH-01	100 GARAGE	2140	1/6	00	150	123	120/1	MODINE	PTX150	PROPANE	165	1
GUH-02	100 GARAGE	2140	1/6	60	150	123	120/1	MODINE	PTX150	PROPANE	165	1

1. REFER TO SPECIFICATIONS FOR ACCESSORIES.

	LOUVER SCHEDULE (L)											
UNIT				SI	ZE		VOLUME	PRESSURE	FREE			
NO.	LOCATION	SYSTEM	TYPE	WIDTH	HEIGHT	VELOCITY	(CFM)	DROP (IN-WG)	AREA (SF)	MANUFACTURER	MODEL	NOTES
L-01	100 GARAGE	EXHAUST AIR	STATIONARY	1'-0"	1'-0"	250	75	0.00	0.30	GREENHECK	ESD-435	1
L-02	100 GARAGE	EXHAUST AIR	STATIONARY	2'-0"	2'-0"	625	1125	0.05	1.81	GREENHECK	ESD-435	1
L-03	100 GARAGE	MAKEUP AIR	WIND-DRIVEN	1'-0"	1'-0"	330	75	0.00	0.23	GREENHECK	EHH-601	1
L-04	100 GARAGE	MAKEUP AIR	WIND-DRIVEN	1'-6"	4'-0"	435	1125	0.04	2.58	GREENHECK	EHH-601	1

1. REFER TO SPECIFICATIONS FOR ACCESSORIES.

MECHANICAL PLAN NOTES

ALL DUCT SIZES REPRESENT SHEET METAL DIMENSIONS, NOT AIR FLOW DIMENSIONS.

. ALL RECTANGULAR TRANSFER DUCTWORK SHALL HAVE 1" INTERNAL LINING.

C. FLEX DUCT SHALL BE THE SAME SIZE AS THE RUNOUT IT CONNECTS TO. D. FIELD VERIFY CLEARANCES BEFORE FABRICATING DUCTWORK.

PROVIDE BALANCING DAMPER AT ALL SUPPLY, RETURN, AND EXHAUST BRANCHES TO GRILLES OR DIFFUSERS.

. DO NOT USE FLEX DUCT TO CONNECT TO GRILLES OR DIFFUSERS WHERE DUCTWORK WILL BE EXPOSED TO VIEW.

G. 3/4" BRANCH PIPING TO EQUIPMENT UNLESS NOTED OTHERWISE. . INSULATION NOT SHOWN, REFER TO SPEC FOR INSULATION TYPE & THICKNESS.

VERIFY FINAL LOCATIONS OF THERMOSTATS WITH OWNER AND OTHER TRADES.

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KEYNOTES PER SHEET

ALIGN TOP OF LOUVER WITH TOP OF GARAGE DOOR MOUNT CENTER OF LOUVER AT 12'-0" AFF

OPEN ENDED DUCT 18" AFF. PROVIDE 1/2" X 1/2" WWM SCREEN ON DUCT

MOUNT UNIT HEATER 12'-0" AFF

PROVIDE VERTICAL CONCENTRIC VENT KIT TIE PROPANE GAS LINE TO PIPING PROVIDED BY OTHERS: REFER TO CIVIL

DRAWINGS FOR FINAL LOCATION AND PIPE CONTINUATION 300 CFH, 11 IN WC, PROPANE GAS TANK AND PRESSURE REGULATOR PROVIDED BY OTHERS: REFER TO CIVIL DRAWINGS FOR FINAL LOCATION COMBUSTION AIR DUCT AND FLUE DUCT SIZE TO MATCH ASSOCIATED

PROJECT INFORMATION

WASTE TRANSFER STATION 3-SIDED **BUILDING PROJECT**

DATE	DESCRIPTION
4/1/2025	CONSTRUCTION DOCUMENTS

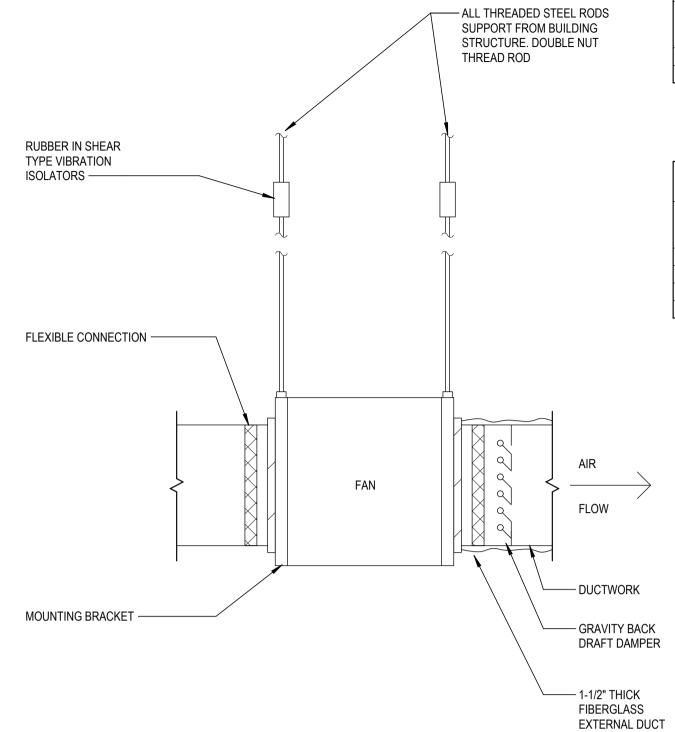
KEY PLAN

SHEET INFORMATION

PROJECT MANAGER PROJECT NUMBER

> 1ST FLR DUCTWORK PLAN, DETAILS, &





UNIT HEATER W/ BLOWER

FOR REFERENCE ONLY | M111

DRAW BAND —

FLASHING RING TO

TYPE "B" VENT -

GAS PIPING -

BLOWER ----

GAS COCK —

POWER VENTER ----

PRESSURE REDUCING

VALVE BY UNIT MFR. —

INSULATION -

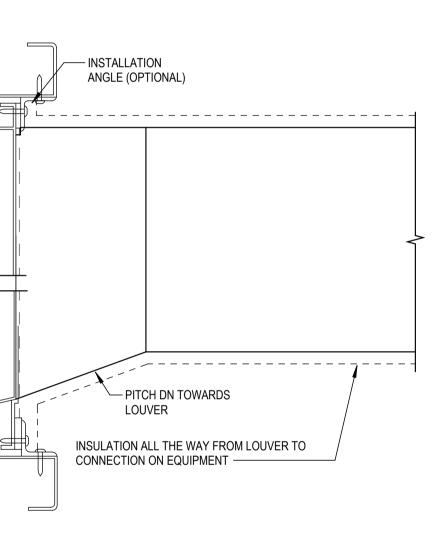
DRIP CAP (OPTIONAL) —

LOUVER ---

SEALANT (BY OTHERS) ———

EXTENDED SILL

SUIT ROOF PITCH ----



- WEATHERPROOF VENT CAP

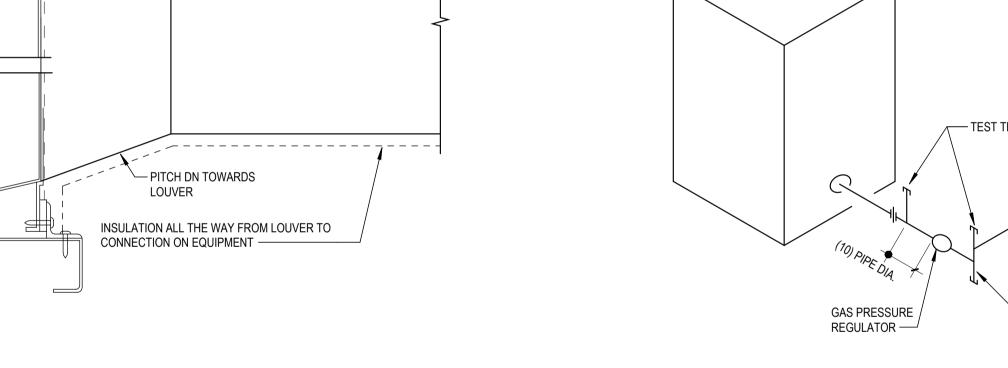
— COUNTER FLASHING BY

— SIZE PER FLOW —— (4) 3/8"Ø HANGER RODS

4-WAY LOUVERS

HEATING CONTRACTOR

— ROOFING & FLASHING BY ROOFING CONTRACTOR

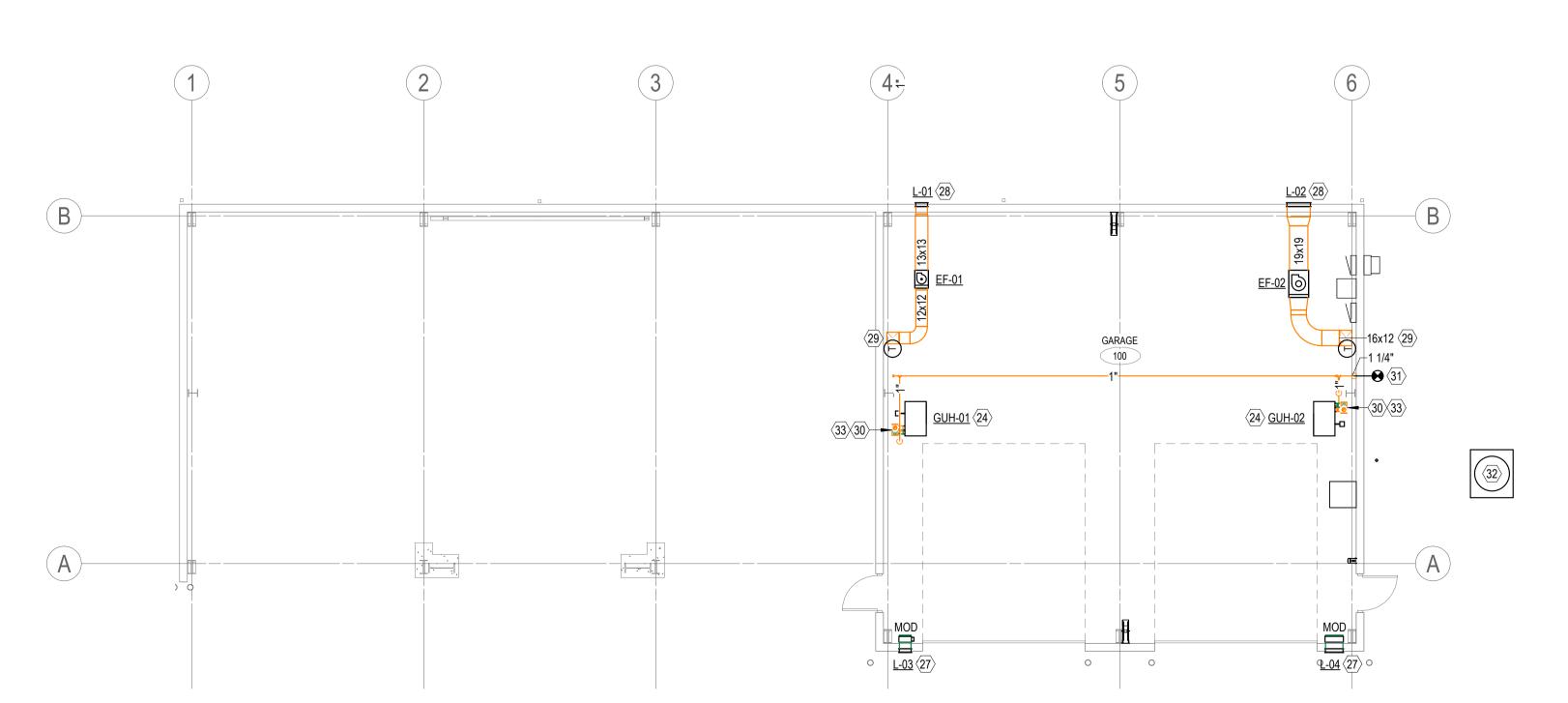


B1 LOUVER - METAL PANEL WALL
FOR REFERENCE ONLY | M111



DIRECT DRIVE INLINE FAN

FOR REFERENCE ONLY | M111



A1 1ST FLR MECHANICAL PLAN

1/8" = 1'-0" | M111

GAS COCK

EQUIPMENT INLET AND OUTLET SIZE

#2742

D 3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

SCHEDULES

ABBREVIATIONS

- A/E ARCHITECT/ENGINEER ABOVE FINISHED FLOOR ABOVE FINISHED GRADE
- CCTV CLOSED CIRCUIT TELEVISION FAAP FIRE ALARM ANNUNCIATOR PANEL FACP FIRE ALARM CONTROL PANEL
- FFA FROM FLOOR ABOVE FFB FROM FLOOR BELOW GROUND
- GROUND FAULT INTERRUPT ISOLATED GROUND
- MOUNTING HEIGHT MANUAL MOTOR STARTER SWITCH FIRE ALARM NOTIFICATION APPLIANCE CABINET NIGHTLIGHT (FIXTURES TO BE UNSWITCHED)
- WIRELESS ACCESS POINT WEATHERPROOF

SYMBOL LEGEND

WIRING DEVICES

- \Rightarrow DUPLEX RECEPTACLE DUPLEX RECEPTACLE - CEILING MOUNTED
- DUPLEX RECEPTACLE FLOOR MOUNTED **DUPLEX RECEPTACLE -**HEIGHT AS NOTED ON PLANS OR 6" ABOVE
- COUNTER OR BACKSPLASH DOUBLE DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE - FLOOR MOUNTED
- DOUBLE DUPLEX RECEPTACLE HEIGHT AS NOTED ON PLANS FOR 6"
- ABOVE COUNTER OR BACKSPLASH SPECIALTY OUTLET
- SPECIALTY OUTLET HEIGHT AS NOTED ON PLANS
- RECEPTACLE WEATHERPROOF RECEPTACLE - ISOLATED GROUND
- RECEPTACLE GROUND FAULT INTERRUPTER
- COMBINATION USB CHARGER AND RECEPTACLE RECEPTACLE ON EMERGENCY BRANCH PANEL
- RECEPTACLE ON STANDBY POWER PANEL
- RECEPTACLE RECESSED "CLOCK"-TYPE WALL SWITCH. 3 = 3-WAY, 4 = 4-WAY, L = LOW-VOLTAGE
- D = DIMMABLE, 3D = 3-WAY DIMMABLE OCCUPANCY SENSING WALL SWITCH
- DIMMABLE OCCUPANCY SENSING WALL SWITCH
- DUAL-LEVEL SWITCHING. 3 = 3-WAY, 4 = 4-WAY \$\$VOS DUAL-RELAY VACANCY-TYPE WALL OCC. SENSOR
- STANDALONE OCCUPANCY SENSOR, DAYLIGHT SENSOR, VACANCY SENSOR OS AS VS NETWORKED OCCUPANCY SENSOR, DAYLIGHT SENSOR, VACANCY SENSOR FIRE ALARM PULL STATION WITH HORN/STROBE ABOVE - WALL MOUNTED
- MULTISCENE LIGHT CONTROL PILOT LIGHT SWITCH
- 0-10V DIMMER SWITCH

SECURITY

- SECURITY CAMERA
- DOOR CONTACT
- ELECTRIC STRIKE, ELECTRIFIED LOCK-SET
- CARD READER, KEY PAD ROUGH IN
- REQUEST TO EXIT MOTION SENSOR
- AUTOMATED DOOR BUTTON

LIGHTING

LED VOLUMETRIC FIXTURE

- LED VOLUMETRIC FIXTURE ON EMERGENCY POWER
- $-\phi_{-x}$ RECESSED OR SURFACE MOUNTED FIXTURE RECESSED OR SURFACE MTD EMERGENCY POWER FIXTURE
 - WALL MOUNT EMERGENCY LIGHT
 - CEILING MOUNT EMERGENCY LIGHT

 - •———

 POLE MOUNTED FIXTURE WITH ARM -O_{Xx} TRACK-MOUNTED FIXTURE
 - = FIXTURE TYPE, CONTROL, CIRCUIT
 - CEILING MOUNT EXIT SIGN

├❸ WALL MOUNT EXIT SIGN - PARALLEL

WALL MOUNT EXIT SIGN - PERPENDICULAR

FIRE ALARM F FIRE ALARM PULL STATION - WALL MOUNTED

FIRE ALARM STROBE - CEILING MOUNTED

- FIRE ALARM STROBE WALL MOUNTED
- F F FIRE ALARM HORN CEILING MOUNTED
- F | FIRE ALARM HORN WALL MOUNTED
- FIRE ALARM HORN/STROBE CEILING MOUNTED
- F F F F FIRE ALARM PULL STATION WITH HORN ABOVE WALL MOUNTED

- F S FIRE ALARM PULL STATION WITH SPEAKER/STROBE ABOVE WALL MOUNTED S FIRE ALARM SPEAKER - WALL MOUNTED
- FIRE ALARM SPEAKER CEILING MOUNTED
- FIRE ALARM SPEAKER/STROBE CEILING MOUNTED
- SD SMOKE DETECTOR, HD = HEAT DETECTOR
- SDD SMOKE DETECTOR DUCT TYPE
- FS SWITCH FLOW TS TAMPER SWITCH
- DR MAGNETIC HOLD OPEN/DOOR RELEASE
- F/S COMBINATION FIRE/SMOKE DAMPERS 120V ELECTRIC
- FAA FIRE ALARM ANNUNCIATOR

MOTOR CONTROL

- # MOTOR (# = MOTOR NUMBER)
- MANUAL MOTOR STARTER
- NON-FUSED DISCONNECT SWITCH W/ RATING 100 A FUSED DISCONNECT W/ RATING & FUSE SIZE

MISCELLANEOUS

- POWER PANEL SURFACE MOUNT
- POWER PANEL FLUSH MOUNT
- JB JUNCTION BOX
- FLOOR BOX / POKE-THRU (X = TYPE) (SEE FLOOR BOX SCHEDULE FOR MORE INFORMATION)
- PUSH BUTTON
- KEYNOTE
- 120V ELECTRIC DAMPER
- WALL CLOCK POWER OVER ETHERNET (POE)
- INSTRUMENT GROUND CONNECTION
- (CP) CONTROL FOR PROJECTOR

OVERHEAD SPEAKER

CORD REEL WITH QUADRAPLEX RECEPTACLE

RACEWAYS AND DEVICES

- DUPLEX RECEPTACLE IN PLUGMOLD (SURFACE RACEWAY)
- TELE/DATA OUTLET IN PLUGMOLD
 - MOUNTING HEIGHT PLUGMOLD RACEWAY-DIMENSIONS INDICATE: RUN LENGTH
 - NOTE: MOUNTING HEIGHT IS TO BOTTOM OF RACEWAY SPECIALTY OUTLET IN PLUGMOLD
- TABLE-MOUNTED ELECTRICAL / DATA PEDESTAL:

COMMUNICATION

- TELEVISION OUTLET WITH COAX CABLE + JACK
- TELE/DATA OUTLET MTD ABOVE COUNTER
- LOW VOLTAGE PASS-THRU
- TELE/DATA OUTLET
- 1-JACK AND CAT 6 CABLE FOR WALL PHONE
 - #C = NUMBER OF COAX CABLES & JACKS
 - WAP = OUTLET FOR WIRELESS ACCESS POINT 1-JACK AND CABLE FROM POE SWITCH
- WIRELESS ACCESS POINTS

- CEILING MOUNTED PROJECTOR
- MEDIA BACK BOX (CHIEF PAC525 OR EQUIV.)
- W = WALL MOUNTED @ 52"
 - #D = NUMBER OF CATEGORY 6 CABLES & JACKS
 - LOCATION
- YYYY: ROOM LOCATION OF CABLE TERMINATION TO PATCH PANEL

GENERAL NOTES

- A. NOT ALL SYMBOLS ON ELECTRICAL SYMBOLS SHEET ARE USED.
- . ALL MOUNTING HEIGHTS ARE TO THE CENTERLINE OF THE DEVICE BACKBOX UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL SYSTEMS INSTALLATIONS SHALL COMPLY WITH NFPA 70
- (NATIONAL ELECTRICAL CODE) AS WELL AS ALL APPLICABLE STATE AND LOCAL . COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES PRIOR TO AND
- DURING INSTALLATION. FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS AND WEATHERPROOF ALL
- PENETRATIONS THROUGH EXTERIOR WALLS OR ROOFS. PROVIDE ALL CONDUIT SYSTEMS, JUNCTION BOXES, FLOOR BOXES, SUPPORT
- SYSTEMS AND GROUNDING AS REQUIRED. . ALL NOTES ON THE DRAWINGS INDICATED AS "TYPICAL" SHALL APPLY TO THE
- ENTIRE PROJECT, WHETHER WRITTEN OR NOT SPECIFICALLY INDICATED ON EACH
- REFER TO THE MOUNTING HEIGHT DIAGRAM FOR MOUNTING HEIGHTS, UNO. REFER TO DETAIL SHEETS FOR DEVICE SPECIFICATIONS AND INSTALLATION REQUIREMENTS.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CHECK DRAWINGS OF OTHER TRADES FOR COORDINATION. WHEN COMBINING CIRCUITS IN ONE RACEWAY, THE ALLOWABLE AMPACITY SHALL
- BE DERATED PER THE NEC. ELECTRICAL CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR, SERVES AND MATERIALS REQUIRED FOR THE COMPLETE INSTALLATION OF SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED. MATERIAL SHALL BEAR THE UNDERWRITERS
- LABORATORIES LABEL WHEREVER SUCH A LISTING APPLIES. I. ALL STARTERS ARE FURNISHED BY TRADES FURNISHING THE EQUIPMENT, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR, EXCEPT AS NOTED. INSTALL STARTERS ADJACENT TO PANELS SERVING THE EQUIPMENT UNLESS NOTED OTHERWISE ON DRAWINGS OR SCHEDULES. PROVIDE DISCONNECT
- SWITCHES IF NOT FURNISHED AS PART OF THE EQUIPMENT'S OR STARTERS. I. HVAC CONTROL WIRING TO BE PROVIDED BY HVAC CONTRACTOR UNLESS NOTED OTHERWISE.
- . VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT (ROOFTOP UNITS, HEATING UNITS, GATES, ETC.).
- FLEXIBLE METAL CONDUIT CAN BE USED WHERE REQUIRED FOR FINAL CONNECTIONS TO VIBRATING EQUIPMENT. CONFIGURE FINAL CONNECTIONS TO MOTORS AND TRANSFORMERS TO ASSURE VIBRATIONS ARE NOT COMMUNICATED TO THE BUILDING STRUCTURE.
- . SET BOXES SQUARE AND TRUE WITH BUILDING FINISHES, INSTALL WALL OUTLETS
- AND SWITCHES PRIOR TO FURRING AND FIREPROOFING. SUPPORT HORIZONTAL RUNS OF METALLIC CONDUIT AT INTERVALS OF NOT MORE THAT 10 FEED APART. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO BUILDING STRUCTURAL GRID AND WALLS.
- GENERAL CONVENIENCE RECEPTACLES SHALL BE 20-AMP, 120-VAC DUPLEX, GROUNDING TYPE WITH BINDING SCREW TERMINALS.
- BRANCH CIRCUIT PANELBOARDS SHALL BE SURFACE MOUNTED OR RECESSED MOUNTED (WHERE NOTED), FACTORY PAINTED, COMBINATION LATCH, LOCK AND DIRECTORY CARD MOUNTED TO PANELBOARD. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC, BOLT-ON TYPE. PROVIDE BREAKERS OF ONE, TWO, THREE POLES AS NOTED ON DRAWINGS AND PANELBOARD SCHEDULES. PROVIDE NAMEPLATE ON EACH PANELBOARD WITH PANEL DESIGNATION.
- SUPPORT PANELBOARDS, JUNCTION BOXES AND PULL BOXES INDEPENDENTLY
- TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUITS.
- W. LEAVE SUFFICIENTLY LONG WIRE SLACK IN RUNS TO PERMIT PROPER FINAL CONNECTIONS.

ALL UNDERGROUND CONDUITS SHALL BE A MINIMUM OF (3/4" PVC).

- WIRE COLOR CODING SHALL CONFORM TO CODE REQUIREMENTS. WHERE COLOR-CODED CABLE IS NOT AVAILABLE. COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE
- ESTABLISHED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT. DEMOLISHED COMPONENTS SHALL INCLUDE COMPONENT, CONDUIT AND WIRING REMOVED BACK TO THE SOURCE WHERE NOT INTENDED FOR REUSE.

UPDATE ALL PANEL SCHEDULES AS APPLICABLE TO PROJECT SCOPE.

KEY PLAN

milwaukee | madison | green bay | denver | atlanta

PROJECT INFORMATION

BUILDING

Project #2742

WASTE TRANSFER

STATION 3 SIDED

3734 W MASON ST.

HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION

04/01/2025 CONSTRUCTION DOCUMENTS

PROJECT MANAGER

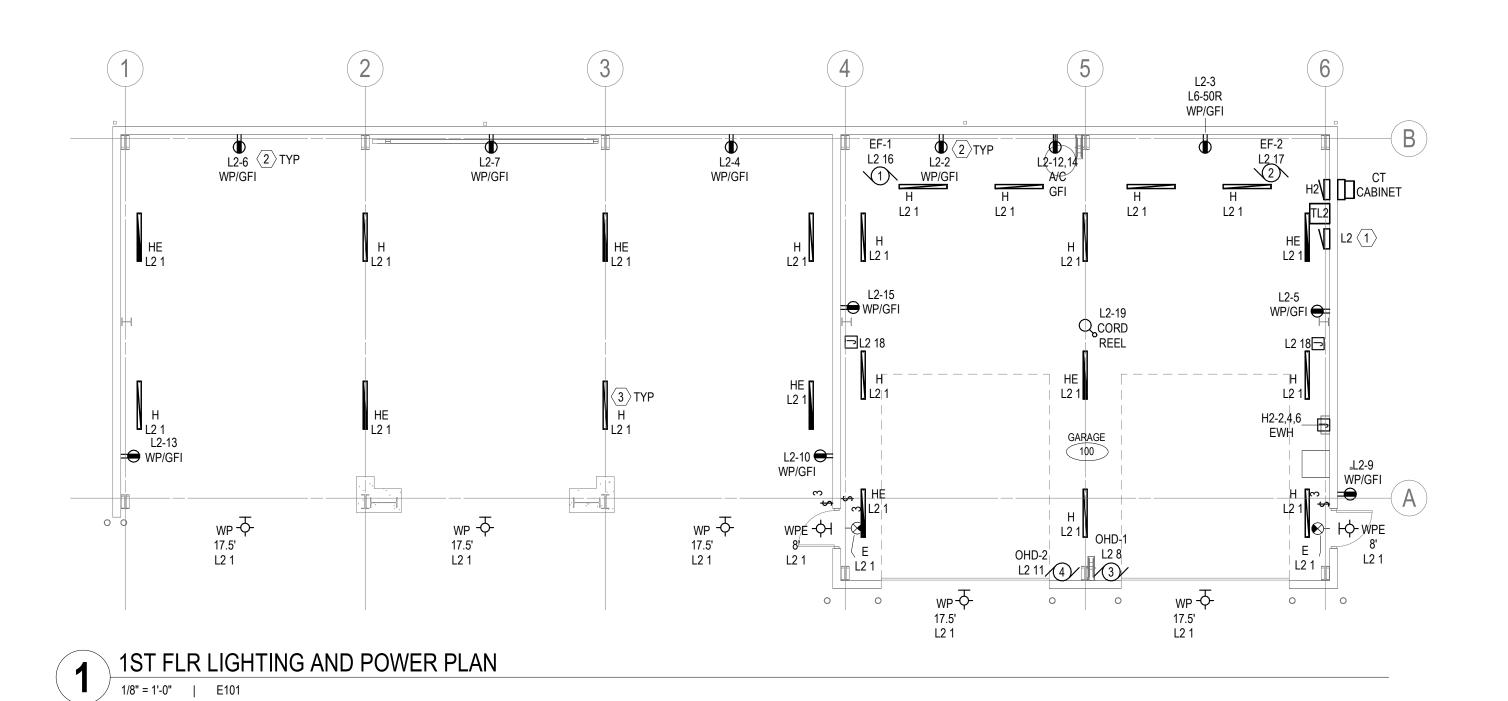
PROJECT NUMBER

SHEET INFORMATION

ELECTRICAL **ABBREVIATIONS**

AND SYMBOLS

925032



LIGHTING & POWER PLAN NOTES

- A. FINAL LOCATION OF LIGHTING FIXTURES SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR AND ADJUSTED TO AVOID CONFLICTS WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING.
- B. MC CABLING WILL BE USED FOR ALL LIGHTING AND OUTLET WIRING WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.

LOCAL AHJ

- PROVIDE ADDITIONAL EGRESS ILLUMINATION AND EXIT SIGNS AS REQUIRED BY
- . ALL WORK SHALL COMPLY WITH NEC AS ADOPTED BY THE STATE AND THE AUTHORITY HAVING JURISDICTION.

KEYNOTES PER SHEET

PROVIDE 100A PANEL (NEMA 3R).

PROVIE DEDICATED 20A WP/GFI RECEPTACLES ON BACK WALL OF THESE BAYS.
INSTALL AT HIGHEST POSSIBLE HEIGHT WITHIN BLOCK WALL NOT TO EXCEED

MOUNT FIXTURE 14'-0" A.F.G. TO BOTTOM OF FIXTURE. COORDINATE LOCATION WITH STEEL. (TYPICAL)



milwaukee | madison | green bay | denver | atlanta

PROJECT INFORMATION

WASTE TRANSFER STATION 3 SIDED BUILDING Project #2742

3734 W MASON ST. HOBART, WI 54155

ISSUANCE AND REVISIONS

DATE DESCRIPTION 04/01/2025 CONSTRUCTION DOCUMENTS

KEY PLAN

SHEET INFORMATION

PROJECT MANAGER PROJECT NUMBER

> 1ST FLR LIGHTING AND POWER PLAN

MAIN GROUNDING BUSBAR SEE FLOOR PLANS FINAL GRADE PERMANENT MOISTURE LEVEL #6 REBAR STUBBED THROUGH FLOOR ANCHOR FROST LINE BY FOUNDATION CONTRACTOR LOCATED BOLTS TO CONCRETE SLAB NEAR MAIN ELECTRICAL SERVICE ENTRANCE UL LISTED FITTINGS FOR THE PURPOSE (TYPICAL) **2** GROUNDING DETAILS

NTS | E101

BUILDING INTERIOR METAL

METER
 ✓

METAL UNDERGROUND WATER PIPE WITHIN 5' OF BUILDING ENTRY

PIPING SYSTEM(S)

GROUNDED SERVICE

CONDUCTOR FROM UTILITY TRANSFORMER

BONDING JUMPER

SERVICE

PANEL

BONDING

JUMPER

COMMUNICATION

CABLES F

TELECOMMUNICATIONS

GROUNDING NOTES:

LOCATE GROUND RODS CLEAR OF BUILDING IN A GRASS AREA

WHERE RAIN WATER AND SPRINKLERS CAN KEEP THE SOIL MOIST. WHENEVER POSSIBLE, ENSURE THAT AT LEAST 6 FT OF

ROD IS EMBEDDED BELOW PERMANENT MOISTURE LEVEL.

CONNECT METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT OR MORE TO THE GROUNDING ELECTRODE SYSTEM. USE BONDING JUMPER TO

THE METAL FRAME OF THE BUILDING SHALL BE BONDED TO THE #6 REBAR STUBBED THROUGH THE FLOOR FOUNDATION.

BUILDING INTERIOR METAL PIPING SYSTEM(S) INSTALLED IN OR ATTACHED TO THE BUILDING OR STRUCTURE AND/OR LIKELY TO BECOME ENERGIZED, SHALL BE BONDED TO THE GROUNDING

F ENTERING BUILDINGS SHALL BE GROUNDED AS CLOSE AS PRACTICABLE

TO THE POINT OF ENTRANCE IN ACCORDANCE WITH NEC 800-100

THE METALLIC SHEATH OF COMMUNICATION CABLES

B INSTALL (3) 3/4" D, 10' LONG GROUND RODS SPACES A MINIMUM OF 12 FT APART, MAXIMUM 25 FT.

ELECTRICALLY BYPASS WATER METER.

ELECTRODE SYSTEM PER NEC 250-104.

<u>PAGE 33</u>	

	ø FEEDE	
		RE FEEDERS
FEEDER DESIGNATION	CONDUIT SIZES	CONDUCTORS & GROUNDING CONDUCTOR SIZE(S)
20	1/2"	(3) #12 & #12 GND
25	3/4"	(3) #10 & #10 GND
30	3/4"	(3) #10 & #10 GND
35	3/4"	(3) #10 & #10 GND
40	3/4"	(3) #8 & #10 GND
45 50	3/4" 1"	(3) #8 & #10 GND
60	1"	(3) #6 & #10 GND (3) #6 & #10 GND
70	1"	(3) #4 & #8 GND
80	1"	(3) #3 & #8 GND
90	1-1/4"	(3) #3 & #8 GND
100	1-1/4"	(3) #2 & #8 GND
110	1-1/4"	(3) #1 & #6 GND
110S	1-1/4"	(2) #2 & #8 GND
125	1-1/4"	(3) #1/0 & #6 GND
150	1-1/2"	(3) #1/0 & #6 GND
175	2"	(3) #2/0 & #6 GND
200	2"	(3) #3/0 & #6 GND
225	2"	(3) #4/0 & #4 GND
250	2-1/2"	(3) 250 kcmil & #4 GND
300	2-1/2"	(3) 350 kcmil & #4 GND
350 400	3"	(3) 500 kcmil & #3 GND
400 450	(2) 2"	(3) 500 kcmil & #3 GND 2 Sets of (3) #4/0 & #4 GND
500	(2) 2-1/2"	2 Sets of (3) 250 kcmil & #2 GND
600	(2) 2-1/2"	2 Sets of (3) 350 kcmil & #1 GND
700	(2) 3"	2 Sets of (3) 500 kcmil & #1/0 GND
800	(2) 3"	2 Sets of (3) 500 kcmil & #1/0 GND
900	(3) 3"	3 Sets of (3) 350 kcmil & #2/0 GND
1000	(4) 2-1/2"	4 Sets of (3) 250 kcmil & #2/0 GND
1200	(4) 3"	4 Sets of (3) 350 kcmil & #3/0 GND
1600	(4) 3-1/2"	4 Sets of (3) 600 kcmil & #4/0 GND
2000	(6) 3"	6 Sets of (3) 500 kcmil & 250 kcmil GND
2500	(6) 3-1/2"	6 Sets of (3) 600 kcmil & 350 kcmil GND
3000	(8) 3-1/2"	8 Sets of (3) 500 kcmil & 500 kcmil GND
4000	(10) 3-1/2"	10 Sets of (3) 600 kcmil & 500 kcmil GND
		RE FEEDERS
FEEDER ESIGNATION	CONDUIT SIZES	CONDUCTORS & GROUNDING CONDUCTOR SIZE(S)
20N	1/2"	(4) #12 & #12 GND
25N	3/4"	(4) #10 & #10 GND
30N	3/4"	(4) #10 & #10 GND
35N	3/4"	(4) #10 & #10 GND
40N	3/4"	(4) #8 & #10 GND
45N	3/4"	(4) #8 & #10 GND
50N	1"	(4) #6 & #10 GND
60N	1-1/4"	(4) #6 & #10 GND
70N 80N	1-1/4"	(4) #4 & #8 GND (4) #3 & #8 GND
UUIN	1-1/4"	(4) #3 & #8 GND (4) #2 & #8 GND
90N	ı 1/T	(1) TE WITO OND
90N 100N	1-1/4"	(4) #2 & #8 GND
	1-1/4"	(4) #2 & #8 GND (4) #1 & #6 GND
100N		. ,
100N 110N	1-1/2"	(4) #1 & #6 GND
100N 110N 125N	1-1/2" 1-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND
100N 110N 125N 150N	1-1/2" 1-1/2" 2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND
100N 110N 125N 150N 175N	1-1/2" 1-1/2" 2" 2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND
100N 110N 125N 150N 175N 200N	1-1/2" 1-1/2" 2" 2" 2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND
100N 110N 125N 150N 175N 200N 225N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N	1-1/2" 1-1/2" 2" 2" 2" 2" 2-1/2" 3" 3" 3-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" 3-1/2" (2) 2-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2" (2) 3-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2" (3) 3"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #2/0 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N 900N 1000N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2" (3) 3" (4) 3"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #2/0 GND 4 Sets of (4) 250 kcmil & #2/0 GND
100N 110N 115N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N 900N 1000N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2" (3) 3" (4) 3" (4) 3"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #1/0 GND 4 Sets of (4) 250 kcmil & #2/0 GND 4 Sets of (4) 250 kcmil & #2/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N 900N 1000N 1200N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2" (3) 3" (4) 3" (4) 3" (4) 4"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #3/0 & #4 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #3 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #1/0 GND 4 Sets of (4) 250 kcmil & #2/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND
100N 110N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N 900N 1000N 1200N 1600N 2000N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3" (2) 3-1/2" (3) 3" (4) 3" (4) 3" (4) 4" (6) 3-1/2"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #3/0 & #6 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #4 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #2/0 GND 4 Sets of (4) 350 kcmil & #2/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND 4 Sets of (4) 600 kcmil & #4/0 GND 6 Sets of (4) 500 kcmil & #4/0 GND
100N 110N 115N 125N 150N 175N 200N 225N 250N 300N 350N 400N 450N 500N 600N 700N 800N 900N 1000N 1200N	1-1/2" 1-1/2" 2" 2" 2" 2-1/2" 3" 3-1/2" (2) 2-1/2" (2) 3" (2) 3-1/2" (3) 3" (4) 3" (4) 3" (4) 4"	(4) #1 & #6 GND (4) #1/0 & #6 GND (4) #1/0 & #6 GND (4) #2/0 4& #6 GND (4) #3/0 & #6 GND (4) #3/0 & #4 GND (4) #4/0 & #4 GND (4) 250 kcmil & #4 GND (4) 350 kcmil & #3 GND (4) 500 kcmil & #3 GND (4) 500 kcmil & #3 GND 2 Sets of (4) #4/0 & #4 GND 2 Sets of (4) 250 kcmil & #2 GND 2 Sets of (4) 350 kcmil & #1 GND 2 Sets of (4) 500 kcmil & #1/0 GND 3 Sets of (4) 350 kcmil & #1/0 GND 4 Sets of (4) 250 kcmil & #2/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND 4 Sets of (4) 350 kcmil & #3/0 GND

EXISTING UTILITY TRANSFORMER

PANEL H2 277/480V MCB 100A

TL2 37.5 KVA ~~~

PANEL L2 120/240V MCB 100A

Mechanical Heating

ONE-LINE DIAGRAM

1/8" = 1'-0" | E600

— 100S B/C PH L16-30 RECPT

	, ,	` '
	TRANSF	ORMER FEEDERS
FEEDER DESIGNATION	CONDUIT SIZES	CONDUCTORS & GROUNDING CONDUCTOR SIZE(S)
60T	1"	(4) #6 & #8 GND
150T	2"	(4) #1/0 & #6 GND
225T	2-1/2"	(4) #4/0 & #2 GND
250T	3"	(4) 250 kcmil & #2 GND
400T	3-1/2"	(4) 600 kcmil & #1/0 GND
400TIG	3-1/2"	(4) 600 KCMIL & #1/0 GND & #1/0 ISO GND
500T	(2) 2-1/2"	2 SETS OF (4) 250 KCMIL & #2/0 GND
600T	(2) 3"	2 SETS OF (4) 350 KCMIL & #2/0 GND
700T	(2) 3-1/2"	2 SETS OF (4) 500 KCMIL & #2/0 GND
800T	(2) 3-1/2"	2 SETS OF (4) 600 KCMIL & #3/0 GND
1000T	(3) 3-1/2"	3 SETS OF (4) 500 KCMIL & #3/0 GND

NOTE: Conductor sizes listed above are based on copper.

			LIGHTIN	G FIXT	JRE SCH	EDULE		
TYPE	MOUNTING	DESCRIPTION	VOLTAGE	LAMP	WATTAGE	MANUFACTURER	CATALOG NUMBER	NOTES
Е	SURFACE	EXIT SIGN	120V	LED	3.0	LITHONIA	LQM S W 3 R 120/277 EL N M6	
Н	SUSPENDED	SUSPENDED LINEAR LED FIXTURE, WET LOCATION	120V	LED	40.0	ILLUMINA	BS100LED-4-HT-LO-WT40-120-277V	2
HE	SUSPENDED	SUSPENDED LINEAR LED FIXTURE, WET LOCATION, BATTERY BACKUP	120V	LED	40.0	ILLUMINA	BS100LED-4-SA-LO-WT40-120-277V	1, 2
WP	SURFACE	WALL PACK	120V	LED	46.0	LUMARK	AXCS4A PC	
WPE	SURFACE	WALL PACK - EMERGENCY	120V	LED	46.0	LUMARK	AXCS4A PC CBP	1



milwaukee | madison | green bay | denver | atlanta

 FIXTURES FROM OTHER MANUFACTURERS MATCHING THE STYLE, QUALITY, CONSTRUCTION TYPE, PHOTOMETRICS, ETC MAY BE SUBMITTED.

ALL FIXTURES SHALL MATCH EXISTING STANDARDS FOR: COLOR TEMP., DIMMING CONTROL TYPE & FINISH COLOR(S).
 PROVIDE EXTRA EXIT AND EMERGENCY LIGHTING AS REQUIRED BY AHJ

FIXTURE SHALL ILLUMINATE UPON LOSS OF POWER.
 ADJUST SUSPENSION OF FIXTURE TO MOUNT FIXTURE AT 14'-0" AF.F.

LIGHT FIXTURE SCHEDULE NOTES:

PROJECT INFORMATION

WASTE TRANSFER STATION 3 SIDED BUILDING Project #2742

3734 W MASON ST. HOBART, WI 54155

HODAINI, WI 54 IS

ISSUANCE AND REVISIONS

DATE DESCRIPTION
04/01/2025 CONSTRUCTION DOCUMENTS

KEY PLAN

A.I.C. Rating:

			M	OTOR A	AND EQ	UIPMENT SC	HEDUL	.E				
		MOTOR/EQUIF	PMENT			MOTOR/EQUIPMENT			FEEDER			
Number	NAME	ROOM NAME	ROOM NUMBER	HP/kW	LOAD	VOLT/PHASE	PANEL	CIRCUIT	FUSE/BKR	WIRES	CONDUIT	NOTES
1	EF-1	GARAGE	100	FRAC	456 VA	120/1	L2	16	20/1	(2)#12, (1)#12G	1/2 IN	
2	EF-2	GARAGE	100	FRAC	456 VA	120/1	L2	17	20/1	(2)#12, (1)#12G	1/2 IN	
3	OHD-1	GARAGE	100	1/3 HP	250 VA	120/1	L2	8	20/1	(2)#12, (1)#12G	1/2 IN	
4	OHD-2	GARAGE	100	1/3 HP	250 VA	120/1	L2	11	20/1	(2)#12, (1)#12G	1/2 IN	
3 4	OHD-1	GARAGE	100	1/3 HP	250 VA	120/1	L2 L2 L2	1/ 8 11	20/1	(2)#12, (1)#12G	1/2	? IN

SECONDARY

Location: GARAGE 100

37.5 480V SINGLE 120/240V SINGLE

Branch Panel: L2

MOTOR SCHEDULE GENERAL NOTES:

- FVNR = FULL-VOLTAGE NON-REVERSING STARTER
 MMS = MANUAL-MOTOR STARTER SWITCH
- CSD = COMBINATION STARTER/DISCONNECT SWITCH

Total Conn. Load: 50180 VA

Total Est. Demand: 44950 VA

Total Conn. Current: 60 A

Non-Coincident HVAC Load: 0 A

Total Est. Demand-NC: 54 A

Total Est. Demand: 54 A

- MOTOR SCHEDULE PLAN NOTES:
- 1. WIRE REMOTE CONTROL DEVICES, LIMIT SWITCHES, PHOTOEYES ETC. PER MANUFACTURER REQUIREMENTS.

TRANSFORMER ROOM NAME NUMBER KVA

TRANSFORMER SCHEDULE

1 TL2 100 A 2 15620 8000 3 40 A EWH GARAGE 100 5 100 A 2 15620 8000 8000 3 40 A EWH GARAGE 100 7 100 A 10	: H2 n: GARAGE 100 n: CT g: Surface n: Type 1				Volts: Phases: Wires:		Vye			A.I.C. Rating: Mains Type: MCB Mains Rating: 100 A MCB Rating: 100 A	
Total Amps: 91 A 73 A 29 A EWH GARAGE 100 3 40 A EWH GARAGE 100 3 40 A EWH GARAGE 100 5 5 5 5 5 5 5 5 5	n Trip	СКТ	Poles	A		В	С	Poles	Trip	Circuit Description	СКТ
3 10600 8000 3 40 A EWH GARAGE 100 5 7 9 11 Total Load: 23620 VA 18600 VA 8000 VA Total Amps: 91 A 73 A 29 A	100 Δ	1 _{TI}	2 15	5620 8000							2
7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	10071	3			10600	8000		3	40 A	EWH GARAGE 100	4
7 9 11		5					8000				6
11 Total Load: 23620 VA 18600 VA 8000 VA Total Amps: 91 A 73 A 29 A		7									8
Total Load: 23620 VA 18600 VA 8000 VA Total Amps: 91 A 73 A 29 A		9									10
Total Amps: 91 A 73 A 29 A		11									12
	Т	!	al Load:	23620 VA	1860	00 VA	8000 VA		!		
	To		l Amps:	91 A	73	3 A	29 A				
		egend:	-								
Load Classification Connected Load Demand Factor Estimated Demand Panel Totals Lighting 1168 VA 125,00% 1460 VA	Co			ı						Panel Totals	

73.26%

100.00%

125.00%

100.00%

15750 VA

1000 VA

1140 VA

25600 VA

21500 VA

1000 VA

912 VA

25600 VA

	Supply From: TL2 Mounting: Surface Enclosure: Type 1				Phases: Wires:			,		Mains Type: MCB Mains Rating: 200 A MCB Rating: 200 A	
OVT	Circuit Decembring	Tuin	Doloo		A		,	Delea	Tuin	Circuit Description	
CKT	Circuit Description	Trip 20 A	Poles 1	1168	A 1500	E	3	Poles	Trip 20 A	Circuit Description Recepts	
3	Lighting	20 A 20 A	1 1	1100	1000	1500	1500	1	20 A 20 A	•	
	Recepts		1 1	1500	1500	1000	1000	1		Recepts	
5 7	Recepts	20 A 20 A		1500	1500	1500	250	1		Recepts	
•	Recepts	20 A 20 A	1 1	1500	1500	1500	250	1		Recepts	
9	Recepts		1	1500	1500	250	2000	I	20 A	Recepts	
11	Recepts	20 A	1 1	1500	2000	250	3000	2	50 A	AIR COMP GARAGE 100	<u> </u>
13	Recepts	20 A	1 1	1500	3000	1500	AEG	1	20. 4	FF 4	
15	Recepts	20 A	1 1	4EC	1600	1500	456	1		EF-1	
17	EF-2	20 A	1	456	1600	1000		1	20 A	UNIT HEATERS	
19	CORD REEL	20 A	1			1000					-
21			+								
23											-
25			-								
27											-
29			-								
31											
33			-								
35			+								
37			-								
39						<u> </u>					
41											
			Total Load: Total Amps:		24 VA 7 A	1095 91					

Volts: 120/240 Single

Load Classification Lighting	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
	1168 VA	125.00%	1460 VA		
Recepts	21500 VA	73.26%	15750 VA	Total Conn. Load:	26180 VA
Other	1000 VA	100.00%	1000 VA	Total Est. Demand:	20950 VA
Fans	912 VA	125.00%	1140 VA	Total Conn. Current:	109 A
Mechanical Heating	1600 VA	100.00%	1600 VA	Total Est. Demand:	87 A
				Non-Coincident HVAC Load:	0 A
				Total Est. Demand-NC:	87 A

PROJECT MANAGER

PROJECT NUMBER

SHEET INFORMATION

ELECTRICAL SCHEDULES

E600

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2 4 5

Part of Brown County WI

LEGEND / KEY

Parcel Boundary

Condominium

Gap or Overlap



"hooks" indicate parcel ownership crosses a line

Parcel line

Right of Way line

Meander line

Lines between deeds or lots

Historic Parcel Line

Vacated Right of Way

A complete map legend (map key) is available at: tinyurl.com/BrownDogLegend

Map printed 4/9/2025



1:2.400

1 inch = 200 feet*

1 inch = 0.0379 miles*

*original page size is 8.5" x 11" Appropriate format depends on zoom level

This is a custom web map created by an online user of the GIS map services provided by the

Brown County Wisconsin Planning & Land Services Department .



(920) 448-6480 www.browncountywi.gov

