

**GENERAL NOTES**

**CAST-IN-PLACE CONCRETE**

- All Exposed Concrete Edges shall have a 3/4" x 45° chamfer except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

**REINFORCEMENT BARS**

- Reinforcement bars designated "(E)" shall be epoxy coated.
- Reinforcement bar bending details shall be in accordance with the latest "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.

**CONSTRUCTION**

- The Contractor is responsible for the design and performance of the lagging using no less than a 3 inch nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
- Contractor shall not scale dimensions from the contract plans for construction purposes. Scales shown are for information only.
- No construction joints except those shown on the plans shall be allowed unless approved by the engineer.
- It shall be the contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123, location of the boring.
- Protective Coat shall be applied to the driven soldier pile wall facing.

**GENERAL SEQUENCE OF CONSTRUCTION**

- Install driven soldier piles.
- Excavate in front of wall and install timber lagging as the excavation moves downwards.
- Install the geocomposite wall drain and shear stud connectors.
- Place reinforcement and form concrete wall facing.
- Pour and cure concrete facing.
- Strip forms and apply the Protective Coat to exposed concrete surfaces.
- Install pedestrian railing.

**TOTAL BILL OF MATERIAL**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
50200100	Structure Excavation	CU. YD.	344
50300285	Form Liner Textured Surface	SQ. FT.	4,232
50300300	Protective Coat	SQ. YD.	515
50500505	Stud Shear Connectors	EACH	1,234
50800205	Reinforcement Bars, Epoxy Coated	POUND	32,350
50901760	Pipe Handrail	FOOT	403.0
51204650	Pile Shoes	EACH	56
51500100	Name Plates	EACH	1
52200105	Furnishing Soldier Piles (W Section)	FOOT	1,710
52200150	Driving Soldier Piles	FOOT	1,710
52200250	Untreated Timber Lagging	SQ. FT.	4,498
52200900	Concrete Structures (Retaining Wall)	CU. YD.	174.1
59100100	Geocomposite Wall Drain	SQ. YD.	500
60602800	Concrete Gutter, Type B	FOOT	403.0

Note:  
Structural Excavation quantity reported in the above Bill of Materials is associated with the construction of the Driven Soldier Pile Wall. The Structural Excavation quantity for the ditch in front of the wall is not accounted for in this quantity

**LIST OF ABBREVIATIONS**

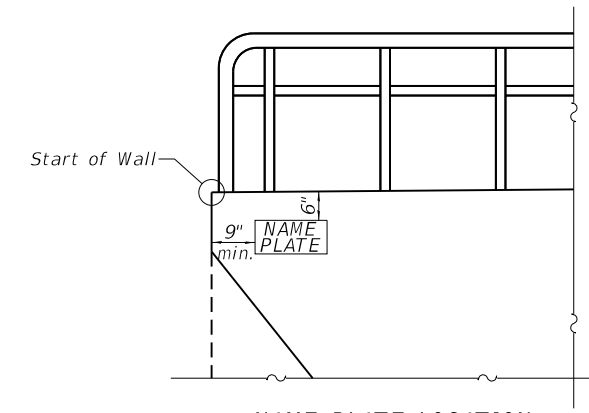
⊕	Baseline	B.F.	Back Face
⊖	Centerline	cl.	Clearance
const.	Constant	∅	Diameter
conc.	Concrete	elev.	Elevation
cts.	Centers	f <sub>l</sub>	Flow Line
E.F.	Each Face	I.F.	Inside Face
exist.	Existing	long.	longitudinal
F.F.	Front Face	min.	Minimum
jt.	Joint	O.F.	Outside Face
max.	Maximum	prop.	Proposed
no.	Number	rte.	Route
PG	Profile Grade	RET.	Retaining Wall
req'd.	Required	spa.	Spaces
sect.	Section	sta.	Station
spec.	Specification	struct.	Structure
std.	Standard	PL	Plate
typ.	Typical	o.c.	On Center
		U.N.	Unless Noted

**SHEET LIST**

- RET-1 General Plan and Elevation
- RET-2 General Notes and Bill of Material
- RET-3 Wall Layout 1
- RET-4 Wall Layout 2
- RET-5 Wall Layout 3
- RET-6 Wall Layout 4
- RET-7 Wall Cross Section and Details
- RET-8 Wall Railing and Details
- RET-9 Boring Logs 1
- RET-10 Boring Logs 2
- RET-11 Boring Logs 3

STATION 32+80.22  
BUILT 202\_ BY  
STATE OF ILLINOIS  
LOADING HL-93  
STRUCTURE NO. 022-W001

**NAME PLATE**  
See Std. 515001



**NAME PLATE LOCATION**

MODEL: 022W001-02M69-GENNOTES FILE NAME: P:\022W001-02M69-GENNOTES\022W001-02M69-01-002 (ENG) - PTB 195-016 Phase II Ver. Van Engineering\W01 - IL02-11-30-500 Drawings\01-02M69-RW-Centers\_BOM.dgn



USER NAME = atiemann	DESIGNED - AS	REVISED -
	DRAWN - AHT	REVISED -
PLOT SCALE = 2:0 ft/in / in.	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL NOTES AND BILL OF MATERIAL RETAINING WALL - STRUCTURE NO. 022-W001</b>	
SCALE:	SHEET RET-2 OF RET-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	2020-196-T	DUPAGE	122	67
			CONTRACT NO. 62M69	
		ILLINOIS	FED. AID PROJECT	

RET-02