

PRELIMINARY,
NOT FOR
CONSTRUCTION,
RECORDING
PURPOSES OR
IMPLEMENTATION

NO	DATE	DESCRIPTION	FOR REVIEW AND COMMENT	AS-BID	CONSTRUCTION REVISIONS	AS-BUILT
			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CITY OF ALABASTER
ENVIRONMENTAL SERVICES DEPARTMENT
ALABASTER WWTP - SOLIDS HANDLING

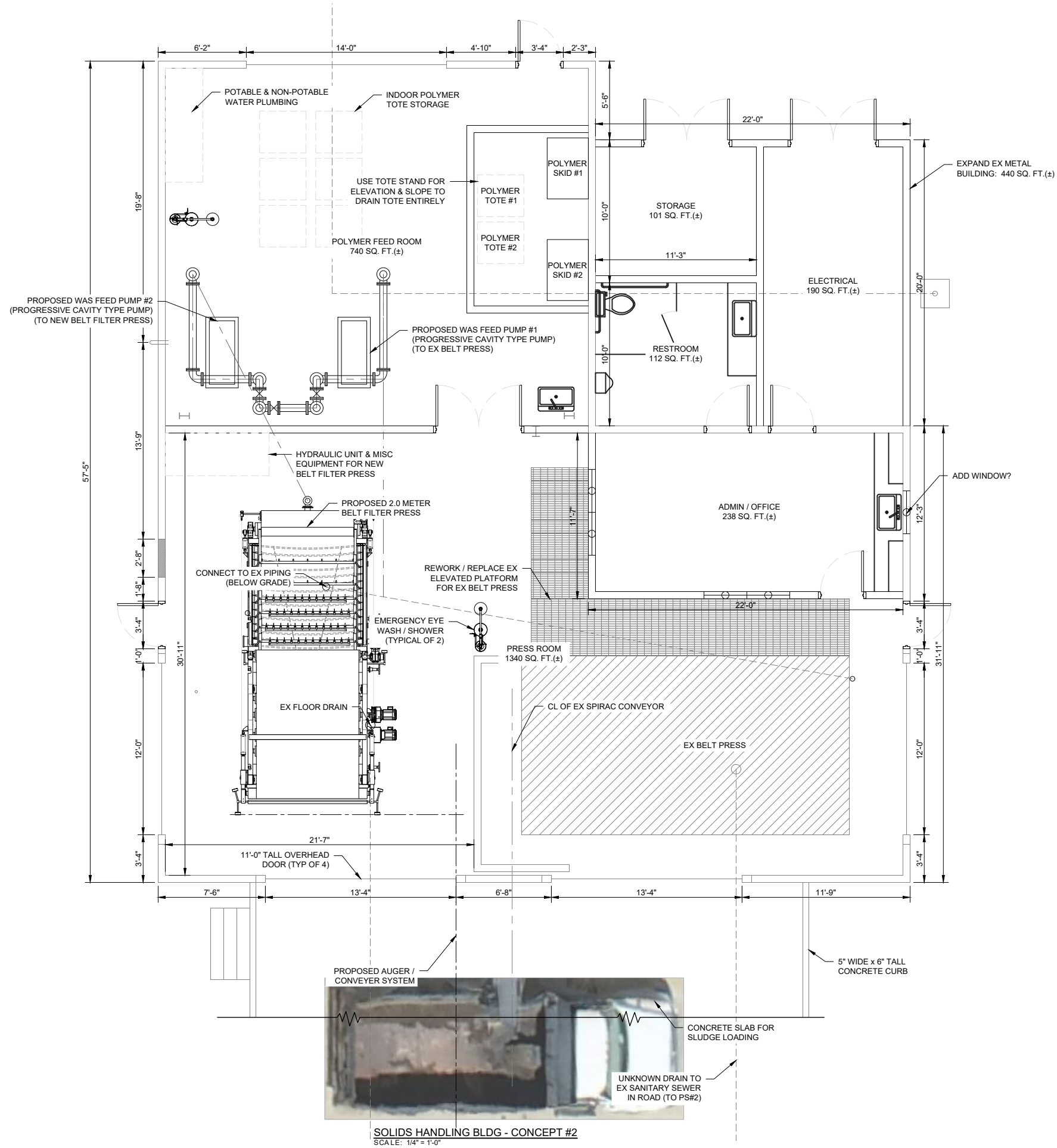
SOLIDS HANDLING
BLDG - CONCEPT #2

BOX IS 2 IN WIDE
AT FULL SCALE

JOB NO: AL-2202
DATE: JAN 2023
DESIGNED BY: GST
DRAWN BY: DC
DWG: 20-C-30

SHEET NUMBER **08**

PRELIMINARY



City of Alabaster, Alabama
Alabaster WWTP - Solids Handling Improvements
Opinion of Probable Construction Costs: 2023-01-31

CONCEPT #2

10: SITE IMPROVEMENTS		\$10,000	0.5%	
	DEMOLITION			
	1 General Site	0	LS	\$750 \$ -
	NEW			
	1 Concrete Loading Bay	0	SY	\$100.00 \$ -
	2 Site Piping Improvements	1	LS	\$10,000 \$ 10,000.00
20: EX METAL BUILDING IMPROVEMENTS		\$397,950	21.0%	
	DEMOLITION			
	1 Remove Ex Insulation & Interior	1	LS	\$3,500 \$ 3,500.00
	2 Remove Ex Office / Admin Area	1	LS	\$5,500 \$ 5,500.00
	3 Concrete Slab Removal for Piping	1	LS	\$12,000 \$ 12,000.00
	NEW			
	1 Interior Insulation	1	LS	\$12,000 \$ 12,000.00
	2 Interior Water Resistant Siding	1	LS	\$9,000 \$ 9,000.00
	3 Interior Dividing Wall	1	LS	\$7,500 \$ 7,500.00
	4 Office Renovation	238	SF	\$125 \$ 29,750.00
	a Additional New Space (restroom & electrical	440	SF	\$280 \$ 123,200.00
	b Interior Fixtures	1	LS	\$12,000 \$ 12,000.00
	c Raise Electrical Room Floor Slab	1	LS	\$30,000 \$ 30,000.00
	5 New Doors & Windows	1	LS	\$38,000 \$ 38,000.00
	6 New Cabinets & Countertops	1	LS	\$15,000 \$ 15,000.00
	7 HVAC	1	LS	\$55,000 \$ 55,000.00
	8 Eyewash Shower	2	EA	\$8,000 \$ 16,000.00
	9 Replace Exposed Water Piping	1	LS	\$6,500 \$ 6,500.00
	10 Repair Floor Slab	1	LS	\$8,000 \$ 8,000.00
	11 Below Slab Piping	1	LS	\$15,000 \$ 15,000.00
	12 Polymer Feed Area	1	LS	\$7,500 \$ 7,500.00
30: SOLIDS HANDLING EQUIPMENT		\$1,020,850	54.0%	
	DEMOLITION			
	1 Electrical Equipment	1	LS	\$2,000 \$ 2,000.00
	2 Misc Equipment	1	LS	\$1,850 \$ 1,850.00
	NEW			
	1 BDP 2.0m Belt Filter Press	1	EA	\$745,000 \$ 745,000.00
	2 Polymer Blending Unit (skid mounted)	1	EA	\$50,000 \$ 50,000.00
	3 Sludge Feed Pump & VFD	2	EA	\$55,000 \$ 110,000.00
	4 Flow Meter	2	EA	\$8,500 \$ 17,000.00
	5 Equipment Installation	1	EA	\$95,000 \$ 95,000.00
40: ELECTRICAL		\$454,454	24.0%	
	1 Demo existing obsolete/corroded MCC & CP in office area	1	LS	\$15,600 \$ 15,600.00
	Replace existing MCC in office area with new MCC equipment in elevated elec room as required by flood elevation/electrical datum plane.			
	2 Extend/reconnect existing 250A feeder from 1988MCC-1. Expand to accommodate new belt press loads	1	LS	\$156,000 \$ 156,000.00
	Replace existing 120V & 480V lighting panels as required. Relocate/replace existing outdoor transformer as needed for building expansion.			
	3 Electrical for new belt press system (power to CP, interconnects to equip)	1	LS	\$64,800 \$ 64,800.00
	Electrical for two (2) new WAS feed pumps			
	5 (circuitry only - starter is within belt press CP in civil estimate)	1	LS	\$36,000 \$ 36,000.00
	6 No changes to existing belt press or associated CP		LS	
	7 Electrical for two (2) new polymer skid systems	1	LS	\$12,000 \$ 12,000.00
	New/modified building lighting/receptacles/HVAC power/etc. as required for new rooms shown on prelim civil plans			
	8 Modify ex supplemental grounding system(s) as required by building renovation.	1	LS	\$9,600 \$ 9,600.00
	10 No SCADA work (or SCADA monitoring of new systems).		LS	
	11 Miscellaneous electrical	1	LS	\$60,000 \$ 60,000.00
				\$ 1,890,754.40
INSURANCE, BONDS, ETC.		3%		\$ 56,722.63
ALLOWANCE FOR OWNER / ENGINEER SELECTED ITEMS				\$ 25,000.00
RESTORATION, START-UP & TESTING				\$ 75,000.00
CONTINGENCIES		12%		\$ 226,890.53
	CONSTRUCTION TOTAL			\$ 2,274,367.56
PROJECT BUDGET				
	Construction	\$	2,274,367.56	
	Preliminary Engineering & Survey	\$	12,500.00	
	Engineering Design	\$	159,000.00	
	Construction Survey Stake-out	\$	2,500.00	
	Construction Observation and Management	\$	79,500.00	
	Stormwater Permitting			
	PROJECT BUDGET TOTAL			\$ 2,527,867.56