

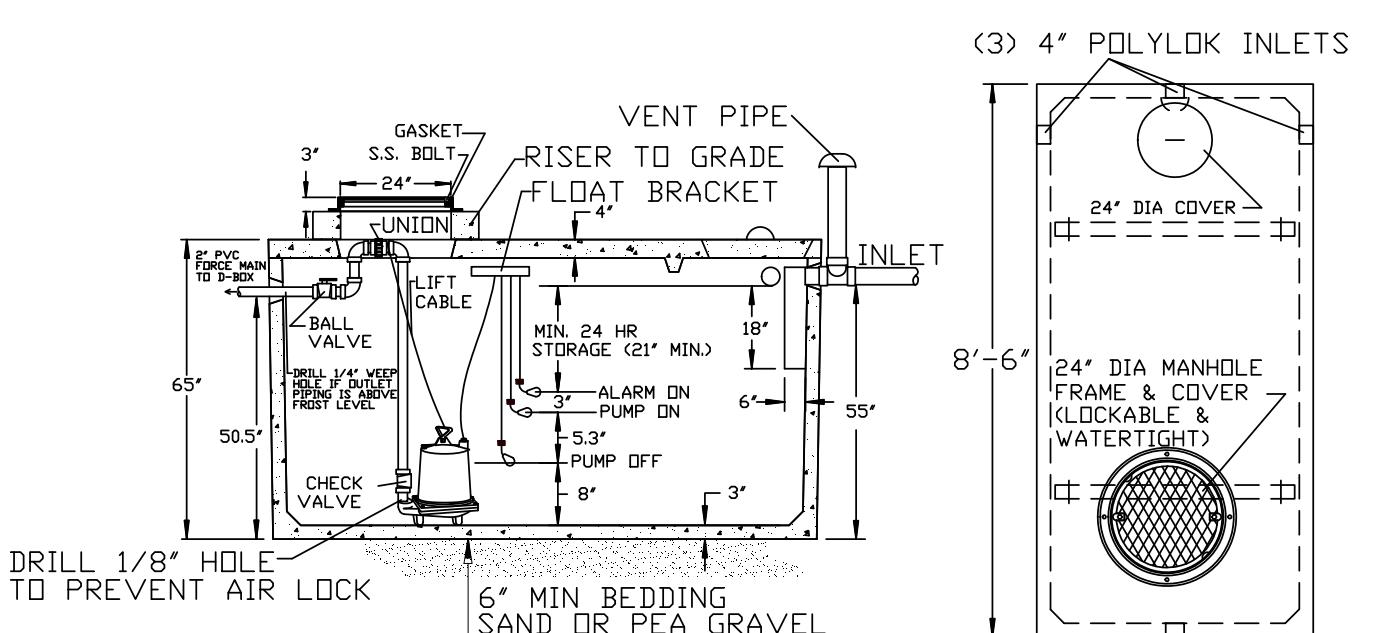
ASTM C33 SAND SPECIFICATIONS		
SIEVE SIZE	PERCENT MINIMUM	PASSING BY WEIGHT MAXIMUM
3/8"	100	100
NO. 4	95	100
NO. 8	80	100
NO. 16	50	85
NO. 30	25	60
NO. 50	5	30
NO. 100	1	10
NO. 200 (WET)	0	5

LOTS 1, 5, & 6 ELJEN GSF

NOTES:
1. 4' SEPARATION BETWEEN TRENCHES ON LOTS 1 & 6. 12' SEPARATION ON LOT 5.

END VIEW
(NOT TO SCALE)

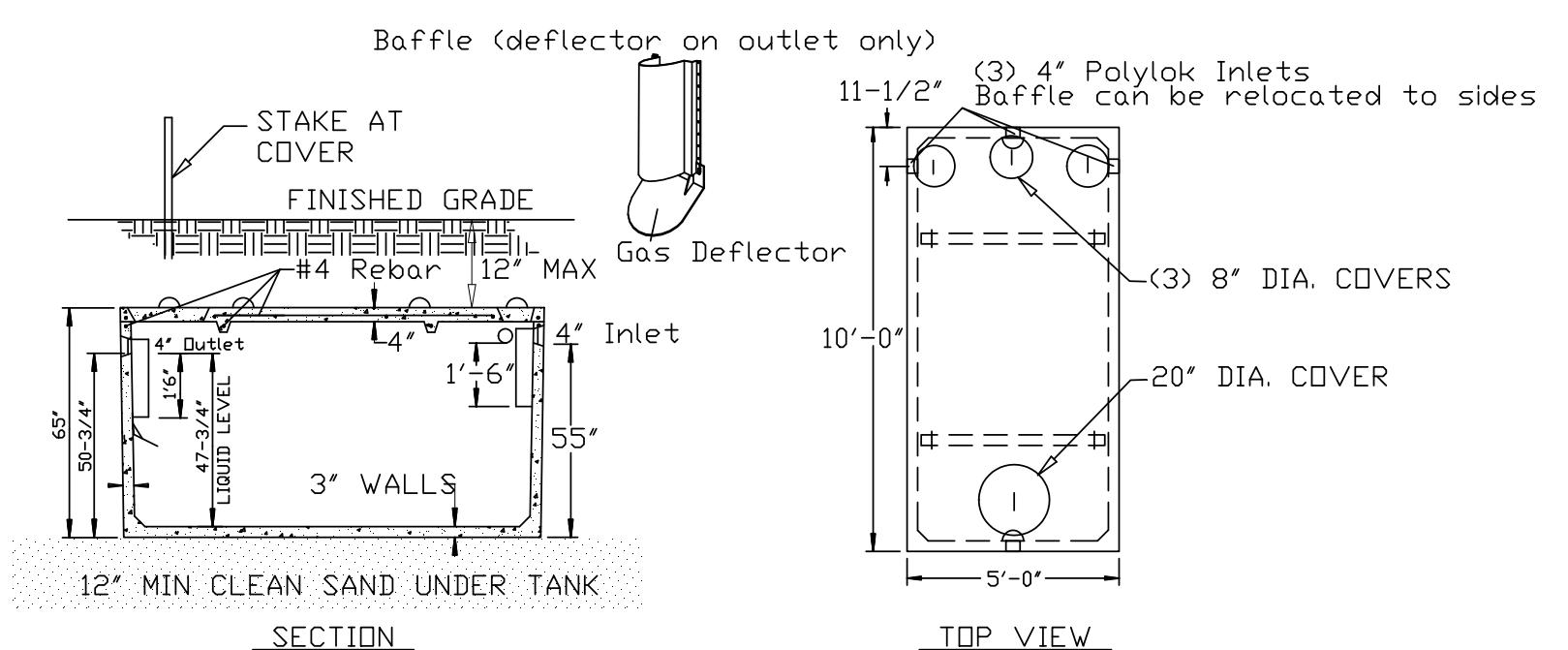
EFFLUENT PUMP CALCULATIONS													
LOT #	PUMP OFF ELEVATION	D-BOX INV. IN	STATIC HEAD	FRICITION HEAD	TDH	DOSE VOLUME PER MODULE (MAX.)	DOSE VOLUME	FORCE MAIN VOLUME	TOTAL VOLUME	GAL PER INCH LL	PUMP-DOWN DEPTH	24 HR. STORAGE VOLUME (MIN.)	STORAGE VOLUME PROVIDED
4	3010'	320.5'	19.5'	3.5'	23.0'	4 GAL	100 GAL	115 GAL	216 GAL	5.3"	440 GAL / 21"	836 GAL / 38.7"	



LOT 4 EFFLUENT PUMP CHAMBER

NOTES:
(NOT TO SCALE)

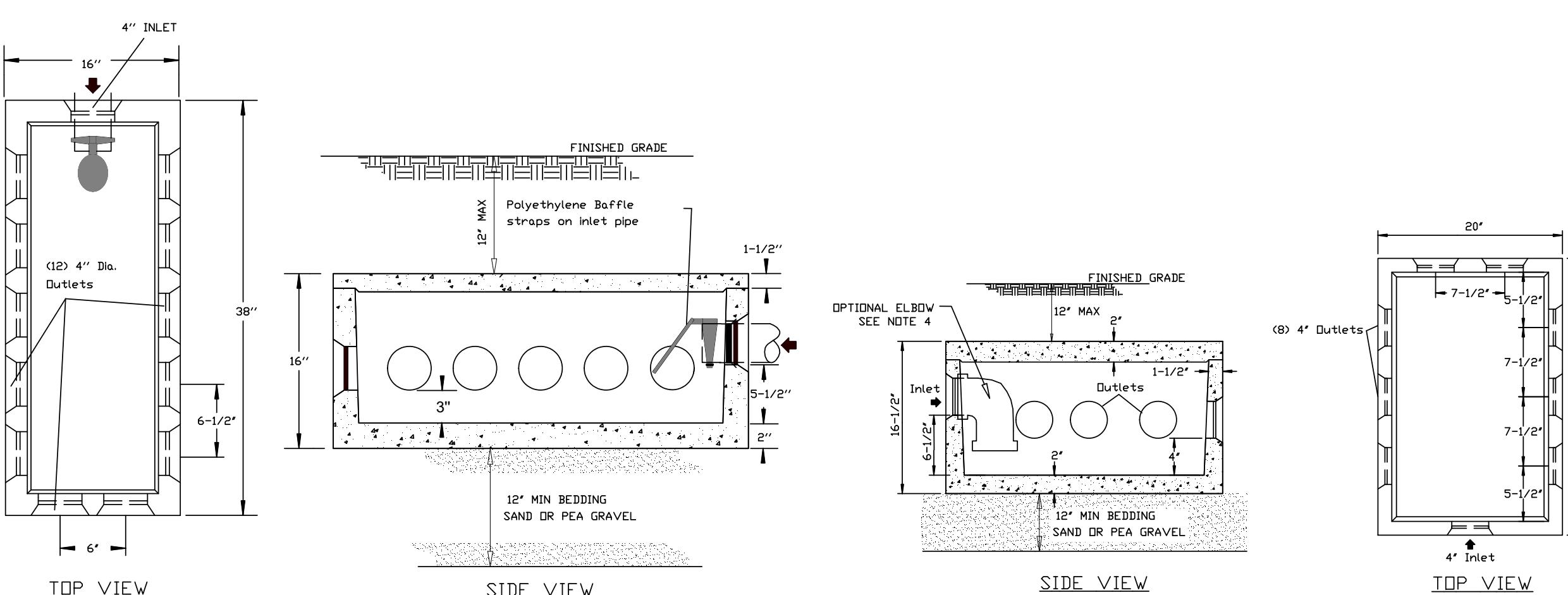
- EFFLUENT PUMP SHALL BE 0.5 HP, SINGLE PHASE SUBMERSIBLE PUMP CAPABLE OF HANDLING 1/2" SOLIDS. GOULDS MODEL 3871-EP05 OR EQUAL.
- PUMP TO DELIVER 40 GPM AT TDH OF 23.0'.
- AUDIBLE AND VISUAL ALARM SHALL BE HARD WIRED INSIDE BASEMENT OF HOUSE.
- DOSING RATE BASED ON 4 GALLONS (MAX) PER ELJEN MODULE.
- ALL WIRING SHALL CONFORM TO NATIONAL ELECTRIC CODE & LOCAL CODE REQUIREMENTS.
- AS-BUILT MUST SHOW FORCE MAIN LOCATION.



1,250 GAL SEPTIC TANK DETAIL

(NOT TO SCALE)

- SEPTIC TANK SHALL BE PRECAST WOODARDS CONCRETE PRODUCTS MODEL ST-1250 OR EQUAL.
- CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. AT 28 DAYS.
- STEEL REINFORCEMENT: #4 BAR GR.60, FORTA FERRO SLB/CY.
- CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT.
- POLYLOK SEAL TO BE USED AT ALL PIPE CONNECTIONS.



12 HOLE DISTRIBUTION BOX DETAIL

(NOT TO SCALE)

D-BOX NOTES:

- DISTRIBUTION BOX SHALL BE PRECAST WOODARDS CONCRETE PRODUCTS MODEL NO. DB-9 (8-HOLE), DB-12 (12-HOLE), OR EQUAL.
- POLYLOK SEAL TO BE USED AT INLET AND ALL OUTLETS.
- INVERT ELEVATIONS OF ALL OUTLETS TO LATERALS MUST BE EQUAL. FLOW EQUALIZERS ARE REQUIRED ON ALL OUTLETS. TUF-TITE SPEED LEVELERS OR EQUIVALENT.
- BAFFLE TEE OR ELBOW REQUIRED FOR ALL PUMP SYSTEMS AND WHEN INLET PIPE SLOPE EXCEEDS 1/2" PER FOOT.

8 HOLE DISTRIBUTION BOX DETAIL

(NOT TO SCALE)

ENGINEER

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SEPTIC SYSTEM DETAILS		
SUBDIVISION FOR: MITCHELL M&CO. INC.		
S.B.L.: 103.3-4-44 / 1559 RT 9W / 11.7 ACRES		
TOWN OF MARLBOROUGH, ULSTER COUNTY, NY		
DATE	SCALE	SHEET NUMBER 6 OF 6
7/31/2024	N.T.S.	

REVISION 1: 5/15/2024 PER UCDH COMMENTS