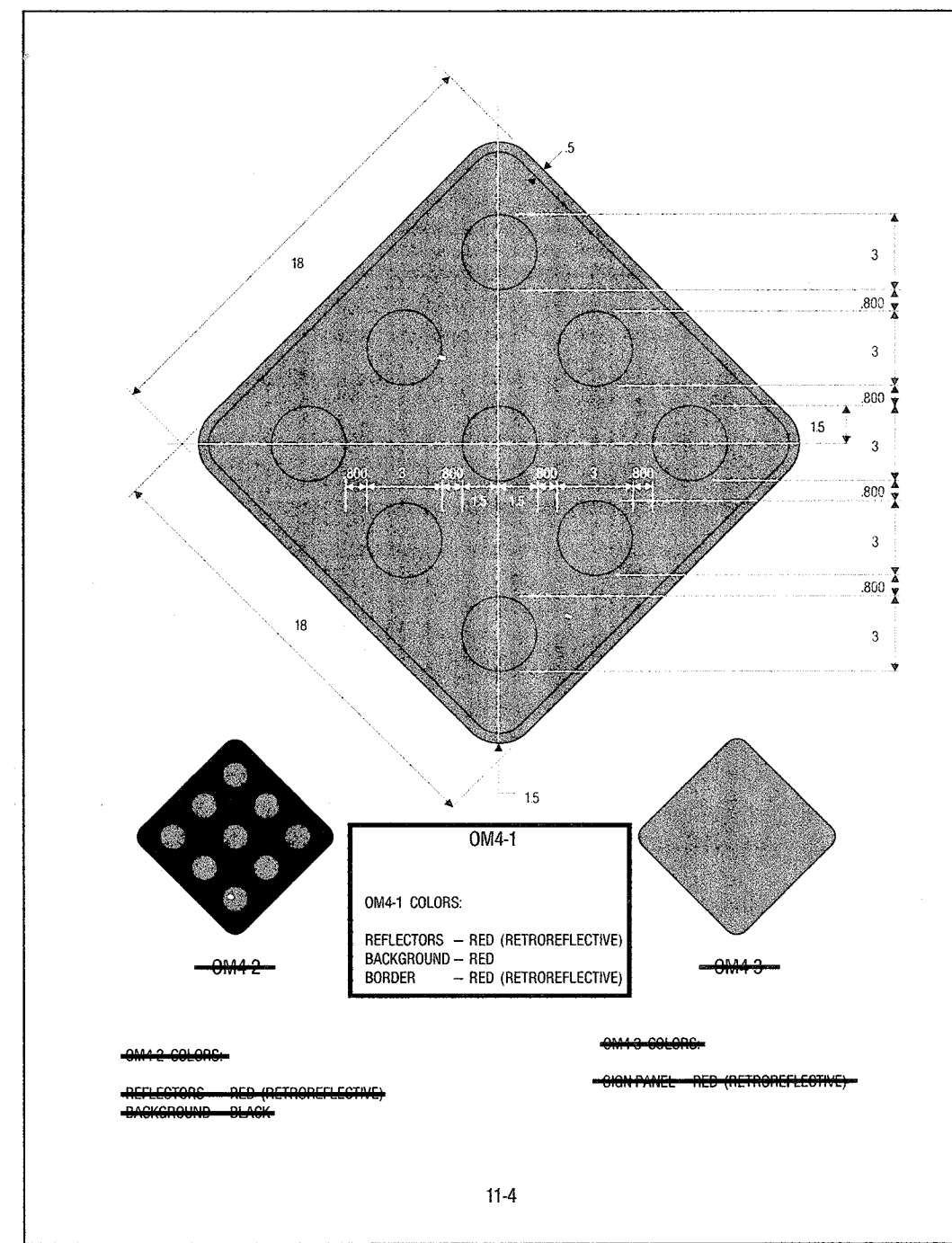


BACK OF SIGNS PAINTED BLACK USING CARBOLINE RUST BOND PENETRATING SEALER 50  
CARBOLINE 133 HB PAINT (OR EQUIVALENT AS APPROVED BY CITY OF FALLON AND WOOD)



BACK OF SIGNS PAINTED BLACK USING CARBOLINE RUST BOND PENETRATING SEALER 50  
CARBOLINE 133 HB PAINT (OR EQUIVALENT AS APPROVED BY CITY OF FALLON AND WOOD)

616.8.10 (TA-10) Lane Closure on Two-Lane Highways With Edgelines Using Flaggers - MT

SPEED	SIGN SPACING (ft.)	TAPER LENGTH (ft.)	OPTIONAL CHANNELIZER SPACING (ft.)
Permanent Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1)
0-35	200	-	-
40-45	350	-	-
50-55	500	-	-
60-70	1000	-	-

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2 Lane taper length based on 12 ft. (standard lane width) offset.

Channelizer: Sign, Truck or Trailer Mounted Arrow Panel, Flagger

Protective Vehicle: Truck Mounted Attenuator (TMA), Work Space

(Advanced Warning Rail System) For Long Term Operations

A protective vehicle shall be used while work is in progress. The protective vehicle should be equipped with a TMA and flashing arrow panel and positioned at least 100 ft. in advance of the work space.

If a flashing arrow panel is used, the caution mode shall be displayed.

When a temporary road closure is needed, both directions may be stopped at the same time up to a maximum of 20 minutes.

Where operational conditions warrant, channelizing devices may be eliminated.

For short duration operations, signs and channelizers may be reduced or eliminated. The protective vehicle may be eliminated if a adequate sight distance exists and the work vehicle uses activated rotating lights or strobe lights.

Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.

For mobile operations where workers are on foot and move with the operation, channelizers may be reduced or eliminated.

Additional warning signs shall be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs may be erected at other intersections within the work zone.

For mobile operations, spacing between flagger and FLAGGER AHEAD signs shall not exceed one mile.

At night, flagger stations shall be illuminated.

For long-term operations, refer to EPG 616.6.2.2 Flags and Advance Warning Rail System.

If rumble strips are used, review EPG 616.6.87 RUMBLE STRIPS.

For work zone located in the vicinity of a railroad grade crossing, refer to EPG 616.8.46 (TA-46) Work in the Vicinity of a Grade Crossing.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

TA-10 1/16

**SPECIFICATIONS**

- 1" Inlet/Outlet Sch. 40, Plain End/No-Hub
- Max. flow rate: 100 GPM
- Liquid capacity: 275 gallons (368 cu ft)
- Max oil capacity: 147.5 gallons
- Sand capacity: 105 gallons
- Unit weight w/std covers: 230 lbs.
- Maximum operating temperature: 130 °F continuous.
- Highway rated cover: 16,000 lb. capacity
- Seamless molded polyethylene tank.

**NOTES**

1. Factory installed built-in flow control.
2. For gravity drainage applications only. Do not use for pressure applications.
3. Seamless high density polyethylene tank.
4. Unit supplied with built-in adapters for up to 6" of adjustability. Additional riser(s) available for deeper burial depths.
5. Cover placement allows full access to tank for proper maintenance.
6. Narrow footprint allows clearance through doorways and down stairwells.
7. Engineered inlet and outlet diffusers are removable to inspect/clean piping.
8. For on-floor or buried applications.

**DIFFUSION FLOW TECHNOLOGY**

The inlet diffuser splits incoming effluent into two paths that utilize the entire liquid volume of the tank for efficient oil separation. The calibrated openings greatly reduce effluent turbulence. The effluent enters the main chamber without disturbing the existing oil or sediment layers.

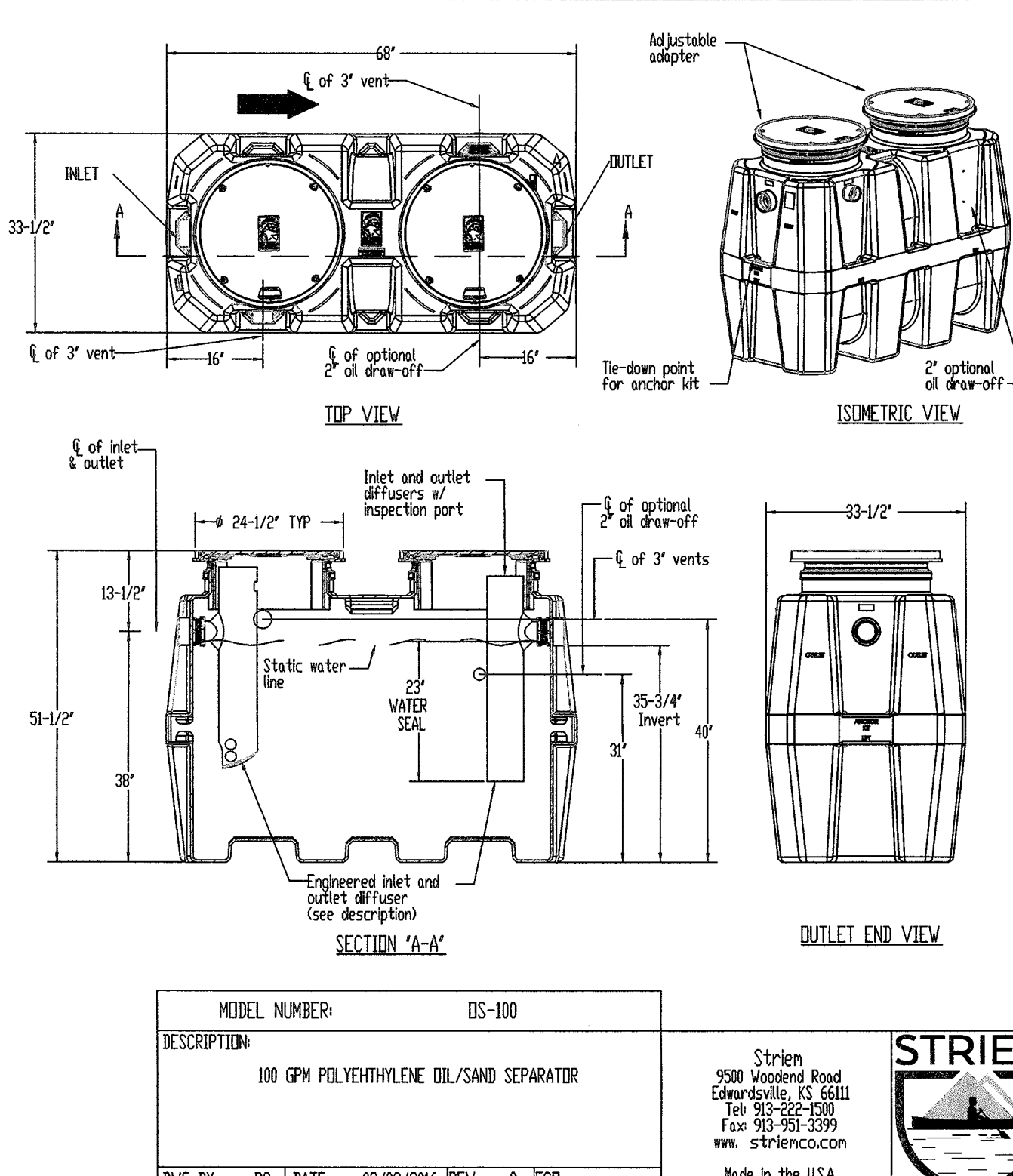
The bottom of the outlet diffuser allows only effluent which is free of oil to exit the tank.

**ENGINEER SPECIFICATION GUIDE**

Strien Oil Reserve Oil/Sand Separator model OS-100 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded High Density Polyethylene. Separator shall be furnished for above or below grade installation, with field adjustable riser system, built-in flow control, vent connections and optional oil draw-off for connection to independent collection tank. Separator flow rate shall be 100 GPM. Separator capacity shall be 147.5 gallons of oil and 105 gallons of sediment. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs load capacity.

**OPTIONS:**

- 160° Rotated Cast Iron Cover
- Pedestrian rated cover: 2,000 lb capacity
- Teleglide field adjustable risers for extending covers to grade
- Male pipe thread connections
- 6" Plain end pipe connections (Inlet / Outlet Only)
- High water anchor kit
- 2" Plain end oil draw-off connection
- Clean Sweep collecting heads
- Clamping Collar Kit



PROJECT TITLE:  
SCCAD BASE 18



DISCLAIMER OF RESPONSIBILITY

I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any project or purpose of the architectural or engineering profession.

LARRY D. WALKER  
LARRY D. WALKER  
CIVIL ENGINEER  
2007020343

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Surveying Authority No. 000144  
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REVISIONS

8-15-17	CITY COMMENTS

Developer / Owner:  
ST. CHARLES COUNTY AMBULANCE DISTRICT  
4169 OLD MILL PARKWAY  
ST. PETERS, MISSOURI 63376

CONSTRUCTION DETAILS

P+Z No. #04-16.02.01  
City No. #17-005139  
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