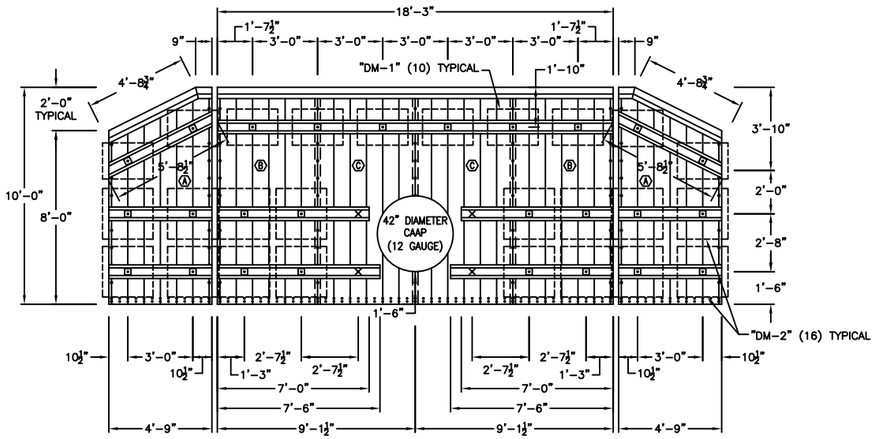
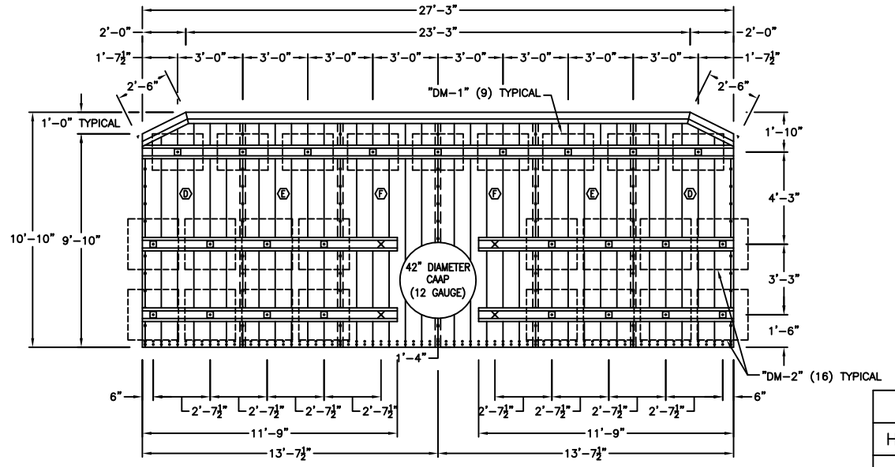
TYPE VI STIFFENING RIB BOLTED TO THE TOP
AND BOTTOM ON SOIL SIDE OF EACH HEADWALL

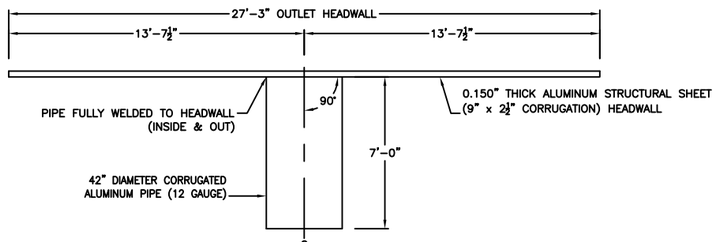


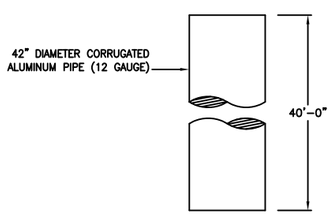
ELEVATION VIEW
–INLET–

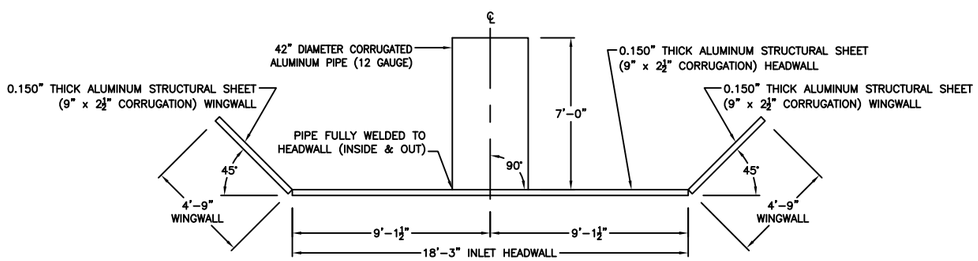
"X" DENOTES ROD ATTACHMENT TO PIPE



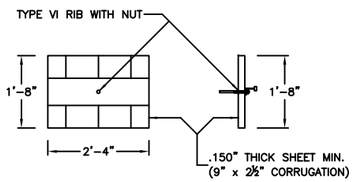
ELEVATION VIEW
–OUTLET–



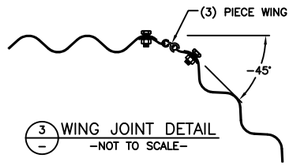




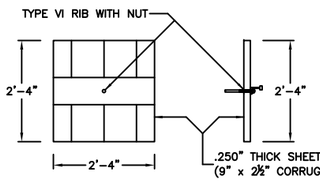
PLAN VIEW
–INLET & OUTLET–



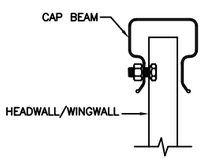
DM 1 TOP SINGLE ROD ANCHOR DETAIL
–NOT TO SCALE–



3 – WING JOINT DETAIL
–NOT TO SCALE–



DM 2 BOTTOM SINGLE ROD ANCHOR DETAIL
–NOT TO SCALE–



4 – CAP BEAM DETAIL
–NOT TO SCALE–

NOTES:
1.) The Depth of Bury is Defined as the Amount of Soil Cover Above the Top of the Highest Point of the Deadman.
2.) The Minimum Burial Depth for the Top Deadman Anchor is 2'–6" (Inlet & Outlet) From Top of Road.
3.) The Minimum Burial Depth for the Middle Deadman Anchor is 5'–2" (Inlet) & 5'–4" (Outlet) From Top of Road.
4.) The Minimum Burial Depth for the Bottom Deadman Anchor is 8'–6" (Inlet) & 8'–8" (Outlet) From Top of Road.
5.) All Deadman Anchor Rods are to be 16'–6" Long (Inlet) & 17'–0" (Outlet). Use Deadman Anchors or Full Length Rod.
6.) All Backfill Material in the Structural Zone is to be #57 Stone.

ASSEMBLY REQUIREMENTS–HEADWALLS & WINGWALLS

HEAT NO.	RADIUS	MK	SHIP PIECES	SHIP "N"	SHIP LENGTH	T	REMARKS
X	FLAT	A	2	12	10.00'	.150"	BEVEL CUT ON TOP
X	FLAT	B	2	12	10.00'	.150"	FULL PLATE
X	FLAT	C	2	12	10.00'	.150"	PIPE WELDED TO PLATE
X	FLAT	D	2	13	10.83'	.150"	BEVEL CUT ON TOP
X	FLAT	E	2	13	10.83'	.150"	FULL PLATE
X	FLAT	F	2	13	10.83'	.150"	PIPE WELDED TO PLATE
		DM1	19	2	1.67'	.150"	DEADMAN WITH TYPE VI
		DM2	32	3	2.33'	.250"	DEADMAN WITH TYPE VI
			1		23.25'		ALUMINUM CAP BEAMS
			1		18.25'		ALUMINUM CAP BEAMS
			2		4.73'		ALUMINUM CAP BEAMS
			2		2.50'		ALUMINUM CAP BEAMS
			2		0.75'		ALUMINUM CAP BEAMS
			1		27.25'		ALUMINUM WALE BEAMS
			1		18.25'		ALUMINUM WALE BEAMS
			4		11.75'		ALUMINUM WALE BEAMS
			2		7.50'		ALUMINUM WALE BEAMS
			2		7.00'		ALUMINUM WALE BEAMS
			2		5.71'		ALUMINUM WALE BEAMS
			4		4.75'		ALUMINUM WALE BEAMS
			59				WALE NUTS
			51				3/4" DIA. STRAIGHT RODS FOR DEADMAN ANCHORS
			8				3/4" DIA. BENT RODS USED AT ARCH TO HEADWALL
			2				3–PIECE WING ASSEMBLY

SHIPMENT SUMMARY:

SPECIFICATIONS: AASHTO M219

APPROXIMATE SHIPPING WEIGHT:

CUSTOMER:

GAGE:
TOP:
SIDES:
CORNER:
BOTTOM:

PROJECT: 1993 SILENT NIGHT HILL ROAD (SR 1205)
EDGECOMBE COUNTY, NC
HEADWALLS & WINGWALLS (0.150" THICKNESS)
42" PIPE, 2 2/3" x 1/2" CORRUGATION, 12 GAUGE

DRAWN BY: JCH
CHECKED BY:
APPROVED BY:
DATE: 3/20/2017
SCALE: NTS

REVISIONS:

NO.	DATE	BY	NOTES
1	4/9/17	JCH	MODIFY OUTLET HEADWALL WIDTH
2			

LANE METAL PRODUCTS DIVISION
of LANE ENTERPRISES, INC.
CAMP HILL, PA

BID #: ---

LANE PROJECT NUMBER: