STANDARD NO. ES-1

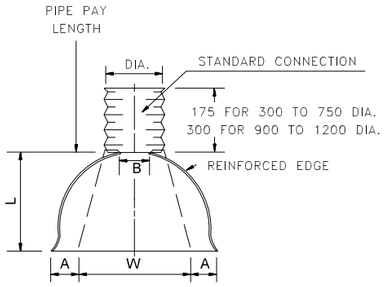
REVISION DATE
7-13-01

*.DGN FILE NAME
ES-1

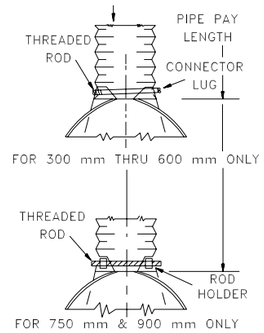
METRIC STANDARD PLANS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION, CONCORD, N.H.

STANDARD NO. ES-1

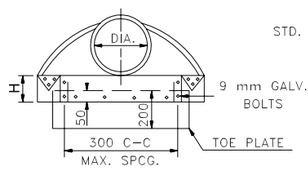


PLAN

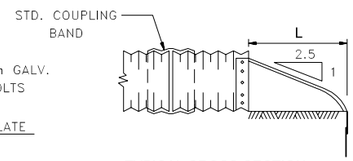


ALTERNATE CONNECTIONS

ITEM NO.	PIPE DIA.	METAL THICK	DIMENSIONS A (25 TOL)	B MAX	H (25 TOL)	L (50 TOL)	W (50 TOL)
603.34103	300	1.6	150	150	150	525	600
603.34104	375	1.6	175	200	150	650	750
603.34105	450	1.6	200	250	150	775	900
603.34106	600	1.6	250	325	150	1025	1200
603.34108	750	2.0	300	400	200	1275	1500
603.34109	900	2.0	350	475	225	1500	1800
603.34111	1050	2.7	400	550	275	1725	2100
603.34112	1200	2.7	450	675	300	1950	2250



ELEVATION



TYPICAL CROSS-SECTION

GENERAL NOTES

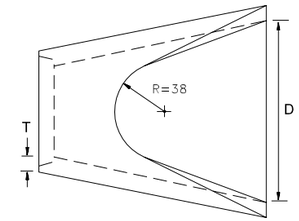
1. END SECTION FOR 300 mm TO 750 mm DIA. PIPE IN ONE PIECE, FOR 900 mm TO 1200 mm DIA. PIPE TO BE MADE FROM TWO SHEETS JOINED BY RIVETING OR BOLTING ON CENTER LINE.
2. CONNECTOR SECTION, CORNER PLATE AND TOE PLATE TO BE SAME THICKNESS AS END SECTION AND EACH TO BE GALVANIZED.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

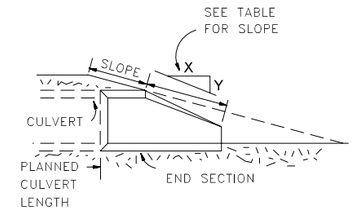
NHDOT STANDARD PLANS
END SECTION FOR CORRUGATED STEEL PIPE

REV. DATE

PLATE 1
STANDARD ES-1



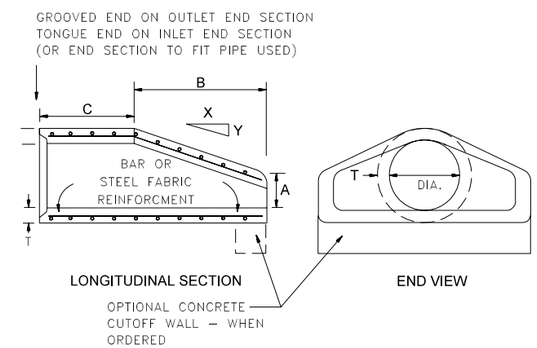
PLAN



SLOPE DETAIL

GENERAL NOTES

1. DESIGN OF END SECTION SHALL CONFORM TO STANDARD REINFORCED CONCRETE PIPE.
2. CUT OFF WALL TO BE POURED IN FIELD, IF NECESSARY, AS DIRECTED BY THE ENGINEER.
3. PAYMENT FOR THE CUT OFF WALL WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.



LONGITUDINAL SECTION

END VIEW

ITEM NO.	PIPE DIA.	APPROX. SLOPE X to Y	A	B	C	D	G	T
603.30103	300	3 TO 1	100	600	1222	600	50	50
603.30104	375	3 TO 1	150	675	1150	750	56	56
603.30105	450	3 TO 1	225	675	1150	900	63	63
603.30106	600	3 TO 1	238	1088	750	1200	75	75
603.30108	750	3 TO 1	300	1350	494	1500	88	88
603.30109	900	3 TO 1	375	1575	869	1800	100	100
603.30111	1050	3 TO 1	525	1575	875	1950	113	113
603.30112	1200	3 TO 1	600	1800	650	2100	125	125
603.30114	1350	2.4 TO 1	675	1625	825	2250	138	138
603.30115	1500	2 TO 1	750	1500	975	2400	150	150
603.30118	1800	1.86 TO 1	900	1950	525	2700	150	175

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

NHDOT STANDARD PLANS
CONCRETE END SECTION FOR REINFORCED CONCRETE PIPE

REV. DATE

PLATE 2
STANDARD ES-1

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS. WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

NHDOT STANDARD PLANS

REV. DATE

PLATE 3
STANDARD ES-1

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NHDOT STANDARD PLANS

REV. DATE

PLATE 4
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METRIC STANDARD PLANS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION, CONCORD, N.H.

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