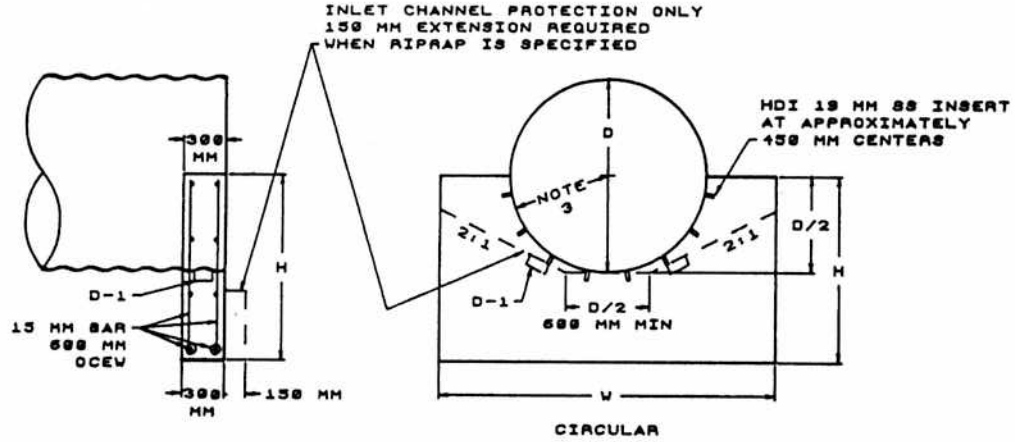

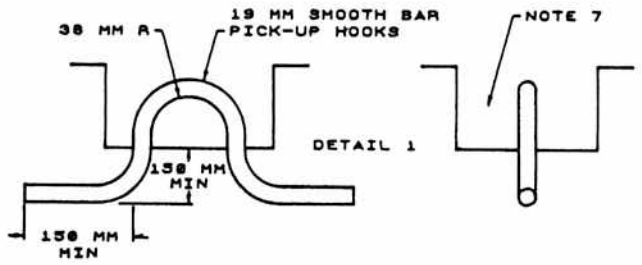

HEADWALL FOR PLASTIC AND METAL PIPE				
CIRCULAR				
D (MM)	W (M)	H (M)	CONC# CU M	WEIGHT (KG)
300	.61	.91	.16	386
375	.76	.97	.20	496
450	.91	.99	.25	606
525	1.07	1.02	.29	716
600	1.22	1.07	.35	845
675	1.37	1.12	.40	973
750	1.52	1.14	.45	1102
825	1.68	1.17	.51	1249
900	1.83	1.22	.58	1396
975	1.98	1.27	.64	1543
1050	2.13	1.30	.70	1690
1200	2.44	1.37	.84	2020
1350	2.82	1.45	1.01	2443
1500	3.20	1.60	1.36	3269
1650	3.58	1.75	1.57	3784
1800	3.96	1.83	1.81	4354

NOTES:
1. PRECAST CONCRETE 4000 PSI - 28 DAY STRENGTH - AIR 6%±2%.
2. CONCRETE QUANTITIES ARE BASED ON HEADWALLS WITHOUT THE 150 MM EXTENSION WHICH MAY BE REQUIRED WITH INLET CHANNEL PROTECTION.
3. OUTSIDE DIAMETER OF PIPE TYPE + 25 MM.
4. PICK-UP HOOKS AS SHOWN FOR D = 750 MM OR LARGER.
5. PICK-UP HOOKS TO BE 15 MM GALVANIZED CABLE FOR D = 675 MM OR SMALLER.
6. GROUT TO BE NON-SHRINK GROUT AS SPECIFIED BY ODOT 705.22 BY OTHERS.
7. OPENING TO BE FILLED WITH GROUT AFTER INSTALLATION BY OTHERS.

STRUCTURAL ENGINEERING

Brad Fagrell Administrator

APPROVED	
APPROVED AS NOTED	
NOT APPROVED	

for general conformance with design plans and specifications only. Does not relieve contractor from responsibility for errors or omissions.

Rev. 01-09-98

Norwalk Concrete Industries
Norwalk, Ohio
191 WOODLAWN Ave. PHONE (419) 668-8167

PRECAST CONCRETE HEADWALL ODOT HW - 4A METAL & PLASTIC PIPE

REVISIONS:	Date	Drawing No.	SHT
	11-10-97	C-2125-97 M	

Form 108 Rev. 6/90