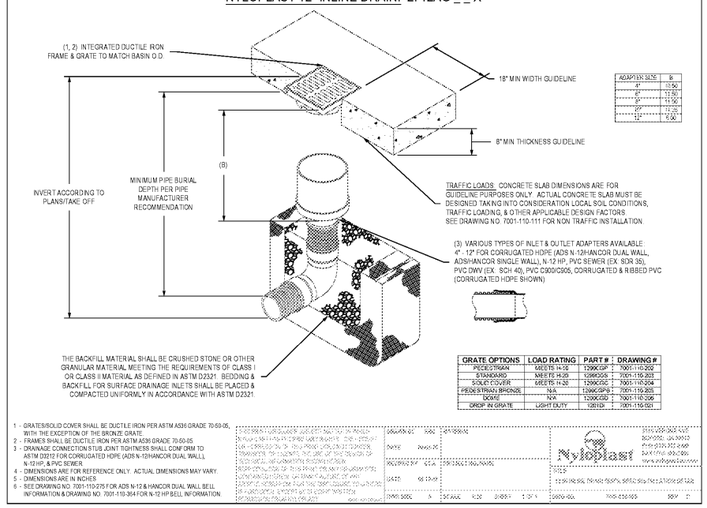
NYLOPLAST 12" INLINE DRAIN: 2712AG _ _ X



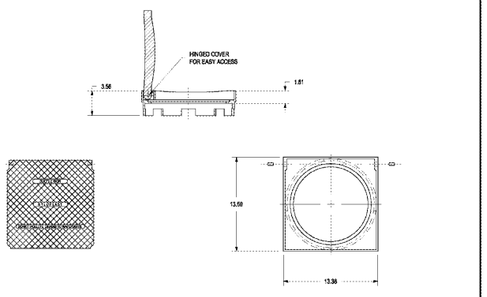
ADAPTER SIZE	B
4"	10.50
6"	11.00
8"	11.50
10"	12.00
12"	12.50

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1299CGP	7001-110-202
STANDARD	MEETS H-20	1299CGS	7001-110-203
SOLID COVER	MEETS H-20	1299CGC	7001-110-204
PEDESTRIAN (BRONZE)	N/A	1299CGPB	7001-110-205
DOME	N/A	1299CGD	7001-110-206
DROP IN GRATE	LIGHT DUTY	12DI12	7001-110-551

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3 - DRAINAGE CONNECTION/STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
5 - DIMENSIONS ARE IN INCHES.
6 - SEE DRAWING NO. 7001-110-275 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION

1299CGC

APPROX. WEIGHT WITH FRAME = 39.90 LBS



DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-033

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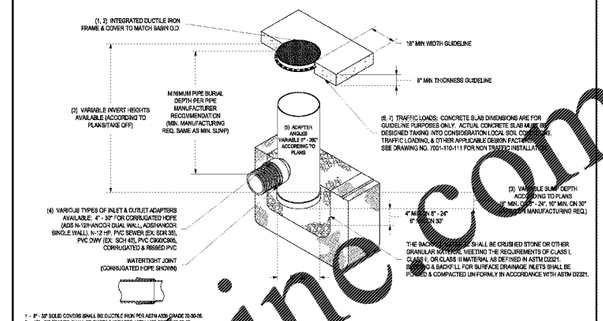
DRAWN BY	DSC	MATERIAL
DATE	3-3-05	DUCTILE IRON
REVISED BY	DSC	PROJECT NO./NAME
DATE	3-16-16	TRUE
DWG SIZE	A	SCALE 1:8 SHEET 1 OF 1

Nyloplast — 2100 VIRGINIA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2480 www.nyloplast-us.com

TITLE: 12 IN SOLID COVER ASSEMBLY
DWG NO. 7001-110-254 REV C

NYLOPLAST DRAIN BASIN WITH SOLID COVER



1 - 8", 20" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - 12", 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAINAGE CONNECTION/STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (EX. SDR 35).
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (EX. SDR 35).
5 - ADAPTERS CAN BE MOUNTED ON ANY ORIENTATION UP TO 360°. TO DETERMINE MINIMUM ANGLE FOR ADAPTERS SEE DRAWING NO. 7001-110-111.
6 - 12" - 24" TRAFFIC LOADS MUST =H20 LOADING.
7 - 8", 30" TRAFFIC LOADS MUST =H10 LOADING. SEE DRAWING NO. 7001-110-111 FOR INSTALLATION INFORMATION.

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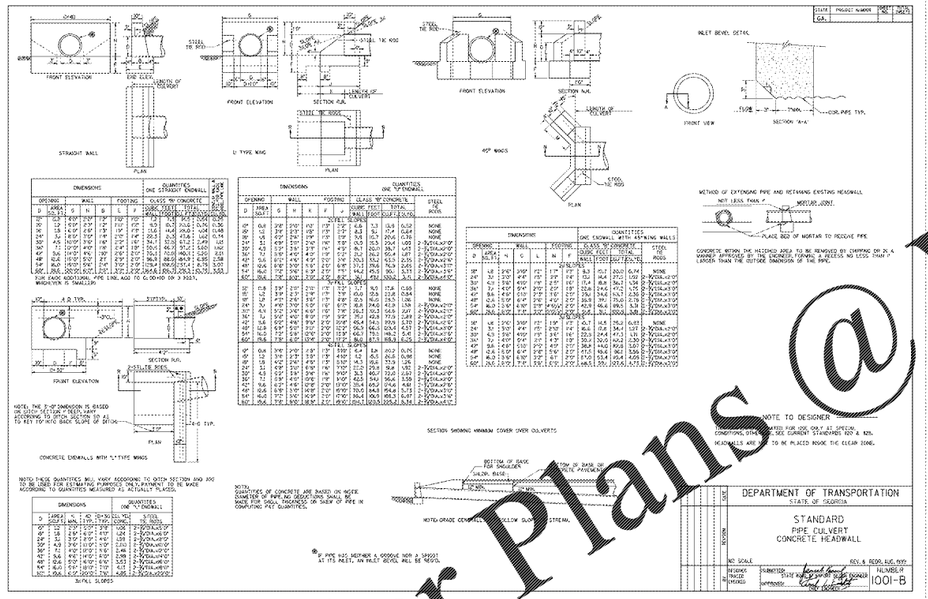
DRAWN BY	DSC	MATERIAL
DATE	09-14-07	
REVISED BY	MMH	PROJECT NO./NAME
DATE	03-15-18	
DWG SIZE	A	SCALE 1:48 SHEET 1 OF 1

Nyloplast — 2100 VIRGINIA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2480 www.nyloplast-us.com

TITLE: DRAIN BASIN WITH SOLID COVER QUICK SPEC INSTALLATION DETAIL
DWG NO. 7001-110-256 REV D



DIMENSIONS								QUANTITIES ONE STRAIGHT ENDWALL			
OPENING		WALL		FOOTING		CLASS "B" CONCRETE					STEEL REINF.
D	LARGE PIPE	S	H	B	F	CONC. FOOT.	TOTAL CONC.				
12"	1'-0"	6"	2'-0"	2'-0"	1'-0"	1'-0"	0.70	0.70	0.70	0.70	NONE
15"	1'-3"	6"	2'-3"	2'-0"	1'-0"	1'-0"	0.75	0.75	0.75	0.75	NONE
18"	1'-6"	6"	2'-6"	2'-0"	1'-0"	1'-0"	0.80	0.80	0.80	0.80	NONE
24"	2'-0"	6"	3'-0"	2'-0"	1'-0"	1'-0"	0.90	0.90	0.90	0.90	NONE
30"	2'-6"	6"	3'-6"	2'-0"	1'-0"	1'-0"	1.00	1.00	1.00	1.00	NONE
36"	3'-0"	6"	4'-0"	2'-0"	1'-0"	1'-0"	1.10	1.10	1.10	1.10	NONE
42"	3'-6"	6"	4'-6"	2'-0"	1'-0"	1'-0"	1.20	1.20	1.20	1.20	NONE
48"	4'-0"	6"	5'-0"	2'-0"	1'-0"	1'-0"	1.30	1.30	1.30	1.30	NONE
54"	4'-6"	6"	5'-6"	2'-0"	1'-0"	1'-0"	1.40	1.40	1.40	1.40	NONE
60"	5'-0"	6"	6'-0"	2'-0"	1'-0"	1'-0"	1.50	1.50	1.50	1.50	NONE
66"	5'-6"	6"	6'-6"	2'-0"	1'-0"	1'-0"	1.60	1.60	1.60	1.60	NONE
72"	6'-0"	6"	7'-0"	2'-0"	1'-0"	1'-0"	1.70	1.70	1.70	1.70	NONE

DIMENSIONS								QUANTITIES ONE "C" ENDWALL			
OPENING		WALL		FOOTING		CLASS "B" CONCRETE					STEEL REINF.
D	LARGE PIPE	S	H	B	F	CONC. FOOT.	TOTAL CONC.				
12"	1'-0"	6"	2'-0"	2'-0"	1'-0"	1'-0"	0.70	0.70	0.70	0.70	NONE
15"	1'-3"	6"	2'-3"	2'-0"	1'-0"	1'-0"	0.75	0.75	0.75	0.75	NONE
18"	1'-6"	6"	2'-6"	2'-0"	1'-0"	1'-0"	0.80	0.80	0.80	0.80	NONE
24"	2'-0"	6"	3'-0"	2'-0"	1'-0"	1'-0"	0.90	0.90	0.90	0.90	NONE
30"	2'-6"	6"	3'-6"	2'-0"	1'-0"	1'-0"	1.00	1.00	1.00	1.00	NONE
36"	3'-0"	6"	4'-0"	2'-0"	1'-0"	1'-0"	1.10	1.10	1.10	1.10	NONE
42"	3'-6"	6"	4'-6"	2'-0"	1'-0"	1'-0"	1.20	1.20	1.20	1.20	NONE
48"	4'-0"	6"	5'-0"	2'-0"	1'-0"	1'-0"	1.30	1.30	1.30	1.30	NONE
54"	4'-6"	6"	5'-6"	2'-0"	1'-0"	1'-0"	1.40	1.40	1.40	1.40	NONE
60"	5'-0"	6"	6'-0"	2'-0"	1'-0"	1'-0"	1.50	1.50	1.50	1.50	NONE
66"	5'-6"	6"	6'-6"	2'-0"	1'-0"	1'-0"	1.60	1.60	1.60	1.60	NONE
72"	6'-0"	6"	7'-0"	2'-0"	1'-0"	1'-0"	1.70	1.70	1.70	1.70	NONE

DIMENSIONS								QUANTITIES ONE ENDWALL WITH ANTIVORTEX WALLS			
OPENING		WALL		FOOTING		CLASS "B" CONCRETE					STEEL REINF.
D	LARGE PIPE	S	H	B	F	CONC. FOOT.	TOTAL CONC.				
12"	1'-0"	6"	2'-0"	2'-0"	1'-0"	1'-0"	0.70	0.70	0.70	0.70	NONE
15"	1'-3"	6"	2'-3"	2'-0"	1'-0"	1'-0"	0.75	0.75	0.75	0.75	NONE
18"	1'-6"	6"	2'-6"	2'-0"	1'-0"	1'-0"	0.80	0.80	0.80	0.80	NONE
24"	2'-0"	6"	3'-0"	2'-0"	1'-0"	1'-0"	0.90	0.90	0.90	0.90	NONE
30"	2'-6"	6"	3'-6"	2'-0"	1'-0"	1'-0"	1.00	1.00	1.00	1.00	NONE
36"	3'-0"	6"	4'-0"	2'-0"	1'-0"	1'-0"	1.10	1.10	1.10	1.10	NONE
42"	3'-6"	6"	4'-6"	2'-0"	1'-0"	1'-0"	1.20	1.20	1.20	1.20	NONE
48"	4'-0"	6"	5'-0"	2'-0"	1'-0"	1'-0"	1.30	1.30	1.30	1.30	NONE
54"	4'-6"	6"	5'-6"	2'-0"	1'-0"	1'-0"	1.40	1.40	1.40	1.40	NONE
60"	5'-0"	6"	6'-0"	2'-0"	1'-0"	1'-0"	1.50	1.50	1.50	1.50	NONE
66"	5'-6"	6"	6'-6"	2'-0"	1'-0"	1'-0"	1.60	1.60	1.60	1.60	NONE
72"	6'-0"	6"	7'-0"	2'-0"	1'-0"	1'-0"	1.70	1.70	1.70	1.70	NONE

DIMENSIONS						QUANTITIES
D	LARGE PIPE	H	H1	H2	W	STEEL REINF.
12"	1'-0"	2'-0"	1'-0"	1'-0"	2'-0"	2-#3x4'-6"x3"
15"	1'-3"	2'-3"	1'-0"	1'-3"	2'-0"	2-#3x4'-6"x3"
18"	1'-6"	2'-6"	1'-0"	1'-6"	2'-0"	2-#3x4'-6"x3"
24"	2'-0"	3'-0"	1'-0"	2'-0"	2'-0"	2-#3x4'-6"x3"
30"	2'-6"	3'-6"	1'-0"	2'-6"	2'-0"	2-#3x4'-6"x3"
36"	3'-0"	4'-0"	1'-0"	3'-0"	2'-0"	2-#3x4'-6"x3"
42"	3'-6"	4'-6"	1'-0"	3'-6"	2'-0"	2-#3x4'-6"x3"
48"	4'-0"	5'-0"	1'-0"	4'-0"	2'-0"	2-#3x4'-6"x3"
54"	4'-6"	5'-6"	1'-0"	4'-6"	2'-0"	2-#3x4'-6"x3"
60"	5'-0"	6'-0"	1'-0"	5'-0"	2'-0"	2-#3x4'-6"x3"
66"	5'-6"	6'-6"	1'-0"	5'-6"	2'-0"	2-#3x4'-6"x3"
72"	6'-0"	7'-0"	1'-0"	6'-0"	2'-0"	2-#3x4'-6"x3"

FOR EACH ADDITIONAL PIPE END, ADD TO QUANTITIES SHOWN FOR ONE PIPE END

DIMENSIONS								QUANTITIES ONE "C" ENDWALL			
OPENING		WALL		FOOTING		CLASS "B" CONCRETE					STEEL REINF.
D	LARGE PIPE	S	H	B	F	CONC. FOOT.	TOTAL CONC.				
12"	1'-0"	6"	2'-0"	2'-0"	1'-0"	1'-0"	0.70	0.70	0.70	0.70	NONE
15"	1'-3"	6"	2'-3"	2'-0"	1'-0"	1'-0"	0.75	0.75	0.75	0.75	NONE
18"	1'-6"	6"	2'-6"	2'-0"	1'-0"	1'-0"	0.80	0.80	0.80	0.80	NONE
24"	2'-0"	6"	3'-0"	2'-0"	1'-0"	1'-0"	0.90	0.90	0.90	0.90	NONE
30"	2'-6"	6"	3'-6"	2'-0"	1'-0"	1'-0"	1.00	1.00	1.00	1.00	NONE
36"	3'-0"	6"	4'-0"	2'-0"	1'-0"	1'-0"	1.10	1.10	1.10	1.10	NONE
42"	3'-6"	6"	4'-6"	2'-0"	1'-0"	1'-0"	1.20	1.20	1.20	1.20	NONE
48"	4'-0"	6"	5'-0"	2'-0"	1'-0"	1'-0"	1.30	1.30	1.30	1.30	NONE
54"	4'-6"	6"	5'-6"	2'-0"	1'-0"	1'-0"	1.40	1.40	1.40	1.40	NONE
60"	5'-0"	6"	6'-0"	2'-0"	1'-0"	1'-0"	1.50	1.50	1.50	1.50	NONE
66"	5'-6"	6"	6'-6"	2'-0"	1'-0"	1'-0"	1.60	1.60	1.60	1.60	NONE
72"	6'-0"	6"	7'-0"	2'-0"	1'-0"	1'-0"	1.70	1.70	1.70	1.70	NONE

DIMENSIONS		QUANTITIES
D	LARGE PIPE	STEEL REINF.
12"	1'-0"	2-#3x4'-6"x3"
15"	1'-3"	2-#3x4'-6"x3"
18"	1'-6"	2-#3x4'-6"x3"
24"	2'-0"	2-#3x4'-6"x3"
30"	2'-6"	2-#3x4'-6"x3"
36"	3'-0"	2-#3x4'-6"x3"
42"	3'-6"	2-#3x4'-6"x3"
48"	4'-0"	2-#3x4'-6"x3"
54"	4'-6"	2-#3x4'-6"x3"
60"	5'-0"	2-#3x4'-6"x3"
66"	5'-6"	2-#3x4'-6"x3"
72"	6'-0"	2-#3x4'-6"x3"

3H:1V SLOPES

NOTE: THE D-DIMENSION IS BASED ON CIRCULAR SECTION OF PIPES. FOR OTHER SECTIONS OF PIPES, USE THE RISE DIMENSION TO REF FOR MAX BACK SLOPE OF BTM.

NOTE: THESE QUANTITIES WILL VARY ACCORDING TO DITCH SECTION AND ARE TO BE USED FOR ESTIMATING PURPOSES ONLY. PAYMENT TO BE MADE ACCORDING TO QUANTITIES MEASURED AS ACTUALLY PLACED.

DIMENSIONS		QUANTITIES ONE "C" ENDWALL
D	LARGE PIPE	STEEL REINF.
12"	1'-0"	2-#3x4'-6"x3"
15"	1'-3"	2-#3x4'-6"x3"
18"	1'-6"	2-#3x4'-6"x3"
24"	2'-0"	2-#3x4'-6"x3"
30"	2'-6"	2-#3x4'-6"x3"
36"	3'-0"	2-#3x4'-6"x3"
42"	3'-6"	2-#3x4'-6"x3"
48"	4'-0"	2-#3x4'-6"x3"
54"	4'-6"	2-#3x4'-6"x3"
60"	5'-0"	2-#3x4'-6"x3"
66"	5'-6"	2-#3x4'-6"x3"
72"	6'-0"	2-#3x4'-6"x3"

CONCRETE ENDWALLS WITH 5°-TYPE WINGS

NOTE: QUANTITIES OF CONCRETE ARE BASED ON INSIDE DIAMETER OF PIPE AND DEDUCTIONS SHALL BE MADE FOR SHELL THICKNESS OR SIZE OF PIPE IN COMPUTING PAY QUANTITIES.

* IF PIPE HAS NEITHER A GOODYEAR NOR A SAFGUT AT ITS INLET, AN INLET BEVEL WILL BE USED.

STATE	PROJECT NUMBER	SHT. NO.	TOTAL SHTS.
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

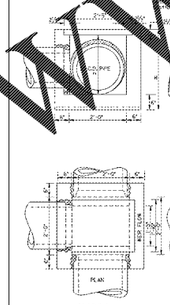
STANDARD
PIPE CULVERT
CONCRETE HEADWALL

NO SCALE — REVISIONS: 6-15-95, 8-17-95, 1-1-13

DESIGNED / DRAWN / TRACED / CHECKED — SUBMITTED: State Bridge and Structural Engineer — APPROVED: State Road and Traffic Engineer

NUMBER 1001-B

TYPE "A"


2'-0"
2'-6"
6" MIN.
6" MIN.
2'-0"
2'-6"
2'-0"
2'-6"
2'-0"
2'-6"