

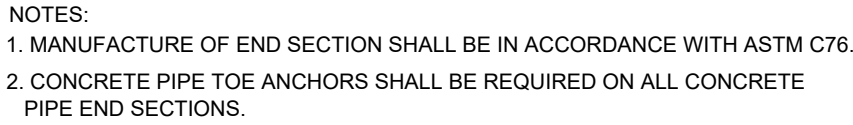
1. IF WITHIN 5' OF EDGE OF PAVEMENT, USE "B" BORROW OR EQUIVALENT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY FOR ENTIRE TRENCH BACKFILL.
2. IF NOT WITHIN 5' OF EDGE OF PAVEMENT, USE "B" BORROW COMPACTED TO 90% STANDARD PROCTOR DENSITY TO $\frac{1}{2}$ OF PIPE DIAMETER AND REGULAR BACKFILL TO TOP OF TRENCH.
3. ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS.
4. A MINIMUM 9" OF CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.

NOT TO SCALE



1. WHERE PIPE IS DIRTY BENEATH OR WITHIN 5 FEET OF PAVEMENT AREAS, FINAL BACKFILL SHOULD CONSIST OF COMPACTED #53 AGGREGATE PLACED FROM 12" ABOVE THE TOP OF PIPE TO THE PAVEMENT BASE.
2. ALL BEDDING AND UNDERLAYS SHALL BE CLEAN AND FREE OF DEBRIS AND SHALL BE USED TO PREVENT SETTLEMENT. NATIVE MATERIAL SHALL BE CLEAN FILL MATERIAL AND FREE OF ROCKS 6" IN DIAMETER AND LARGER.
3. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D231, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OVERLAYS AND FOR FLOW LINES." THE LATEST EDITION SHALL BE USED.
4. ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED AT 12" BALANCED LIFTS. BEDDING MATERIAL SHALL BE HAND PLACED AROUND THE HAUNCH & SIDES OF THE PIPE TO ENSURE PROPER COMPACTION & COMPLETE FILING OF ALL VOIDS.

NOT TO SCALE



DIA	T (min.)	A x	C x	D x	E x	K	R1	R2	Approx. Weight
12"	2"	5"	4-3"	6-2"	2-2"	1.3	10.18"	9"	800
15"	2 1/4"	7"	4-0"	6-3"	1.5	12.12"	11"	1100	
18"	2 1/2"	11"	4-1"	6-2"	3-0"	1.8	15.12"	12"	1300
21"	2 3/4"	11"	3-6"	6-3"	3-0"	2.1	16.18"	13"	1500
24"	3"	1-0"	2-8"	6-3"	4-0"	2.3	16.36"	14"	1800
27"	3 1/4"	1-1"	2-5"	6-3"	4-6"	2.6	18.916"	14 1/2"	2100
30"	3 1/2"	1-2"	1-10"	6-3"	5-0"	2.9	18.12"	15"	2400
33"	3 3/4"	1-3"	3-6"	6-3"	5-1"	3.1	23.34"	17 1/2"	4100
36"	4"	1-5"	3-1"	8-3"	6-0"	3.4	24.516"	20"	4200
42"	4 1/2"	1-9"	2-11"	8-3"	6-6"	4.2	26.274"	22"	5380
48"	5"	2"	2-2"	8-3"	7"	4.8	28.328"	22"	6550

x Tolerance ± 1/8"

PRECAST CONCRETE END SECTION

SCALE: NONE

REVISION BLOCK



DATE
10/22/2021

DRAWN BY
KPB

CHECKED BY
TLP

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PROJECT NO.

2021-0122

DATE
10/22/2021

SCALE

SHEET NAME

GRADING DETAILS

SHEET NO.

CG-501