

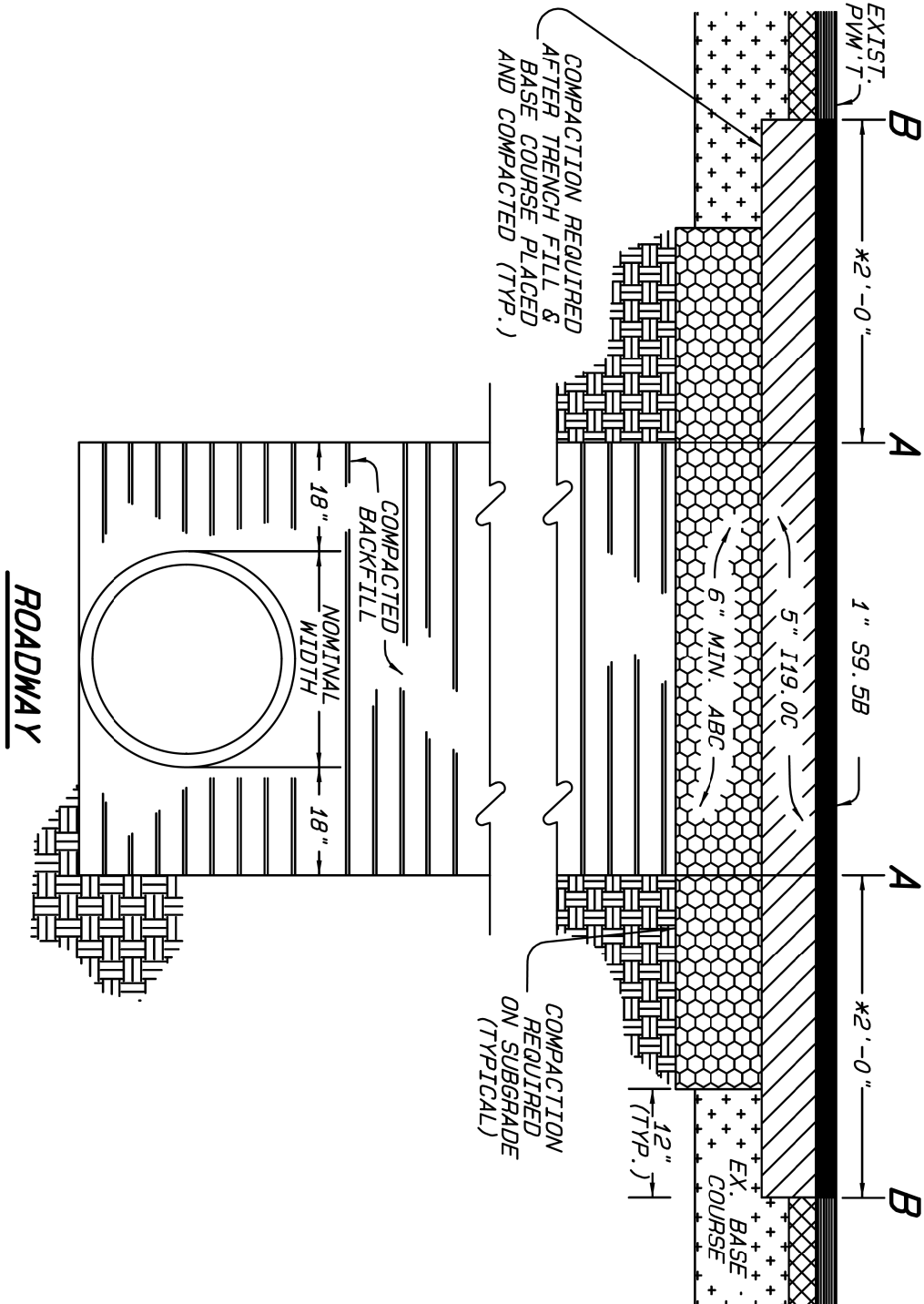
 Dewberry

2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.5931
NC COA No. F-0929

PROJECT REFERENCE NO.		SHEET NO.	
1-5898		UC-3C	
DESIGNED BY:	EPH	 NORTH CAROLINA PROFESSIONAL ENGINEER BENJAMIN W. KOSK	11/7/2025 UTILITY CONSTRUCTION PLANS ONLY
DRAWN BY:	TLK		
CHECKED BY:	EPH		
APPROVED BY:	BWK		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

* 2'-0" OR TO LIP OF GUTTER, CURB, PAVEMENT PATCH OR
EDGE OF PAVEMENT WITHIN 5'-0" OF SECOND SAW CUT
NOTE: 1) FULL LANE RESURFACING AND/OR MILLING MAY BE REQ
2) 3'-0" MAY BE REQUIRED AT THE DISCRETION OF THE
CITY ENGINEER OR DESIGNER.

A-A = INITIAL CUT
B-B = SECOND SAW CUT



INSTALLATION NOTES:

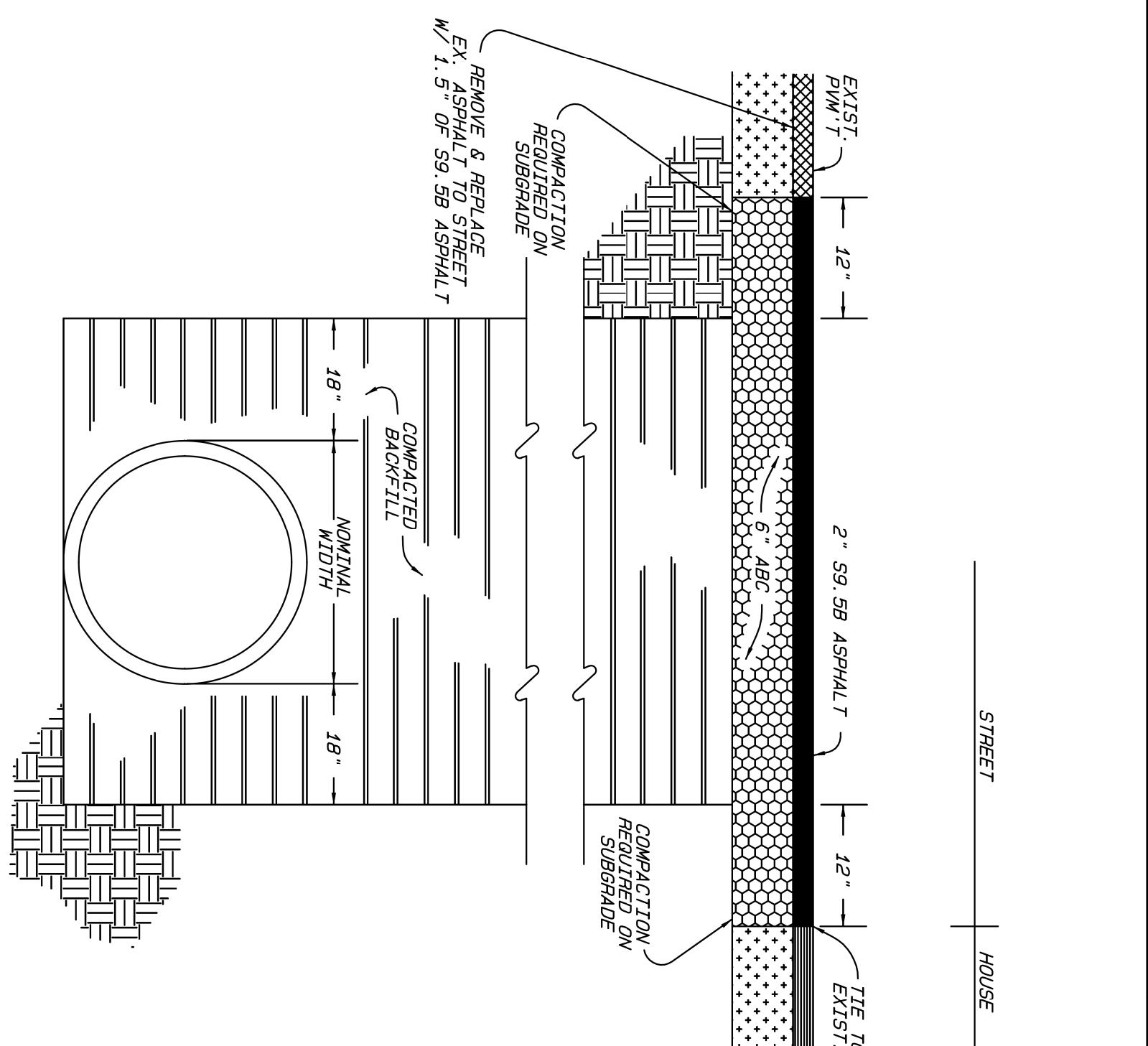
IF 10C INSTALLED IN TWO LIFTS OF 2'-1/2".
LIFTING DEPTHS SHOULD EQUAL EXISTING, PLUS 1", OR MINIMUMS SHOWN (WHICH EVER IS GREATER).
FILL MATERIAL COMPACTED TO 95% STANDARD PROCTOR LIFTS NOT TO EXCEED 8 INCHES.
APPROVIDE TACK COAT TO ALL VERTICAL PAYMENT SURFACES.
SECOND PAYMENT REMOVAL LINE B-B TO BE SAME CUT ONLY.
VARY BASED ON FIELD CONDITIONS AT DISCRETION OF FIELD INSPECTOR.

ADDITIONAL NOTES:

1. TEMPORARY STEEL PLATES ARE ALLOWED TO BE INSTALLED OVER A STREET OPENING
2. EDGES OF STEEL PLATES MUST BE WELDED TO ALLOW THE PLATE TO STAY FLUSH WITH THE
3. EDGES OF THE PLATE. A WEDGE OR ASPHALT COLD PATCH MATERIAL MUST BE PLACED AT
4. THE EDGES OF THE PLATE.
5. ANCHORS ARE REQUIRED TO TEMPORARILY FASTEN THE STEEL PLATE TO THE ASPHALT
6. TO PREVENT SLOTTING OF THE PLATE UNTIL THE AREA IS READY FOR A PERMANENT ASPHALT REPAIR.
7. STEEL PLATES ARE NOT TO BE USED DURING THE WINTER MONTHS.
8. ADVANCE WARNING SIGNS INDICATING "BUMP AHEAD" OR "UNEVEN PAVEMENT AHEAD" SHALL BE
9. UTILIZED WHEN STEEL PLATES ARE USED.

CITY OF GREENSBORO

STD. NO.	REV.
107	03-12 03-15 06-15



ASPHALT DRIVEWAYS

CITY OF GREENSBORO

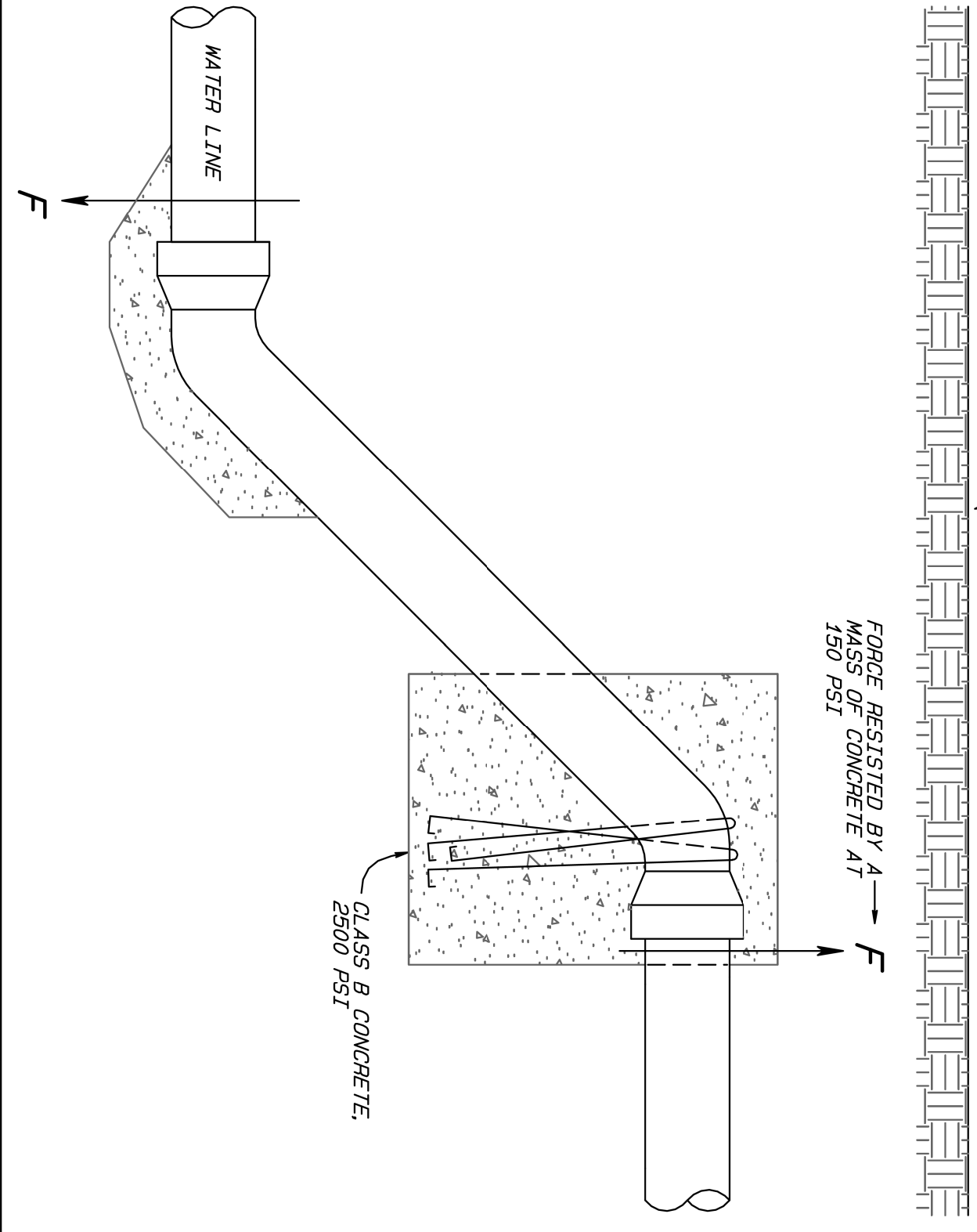
STANDARD NO.	REV.
107-A	03-03
	03-15

PIPE D.I.A.	6" DROP	12" DROP	18" DROP	24" DROP	30" DROP	36" DROP
16" FORCE CONC.	FORCE CONC.	FORCE CONC.	FORCE CONC.	FORCE CONC.	FORCE CONC.	
6" 90#	1/4 CY 149#	1/2 CY 1861#	1/2 CY 2481#	3/4 CY 3102#	3/4 CY 3722#	1.0 CY
8" 156#	1/2 CY 2528#	3/4 CY 3175#	1/4 CY 4239#	1-1/4 CY 5291#	1-1/2 CY	
10" 2355	3/4 CY 3718#	1.0 CY 4606#	1-1/4 CY 6143#	1-1/2 CY		
12" 2992	3/4 CY 4522#	1-1/4 CY 5450#	1-1/2 CY 7267#	1-3/4 CY		
16" 4305	1-1/4 CY 7235#	1-3/4 CY 935#	2-1/2 CY 12473#	3-1/4 CY		

NOTE: THE TABLE ABOVE SHOWS WEIGHT AND VOLUME OF CONCRETE NECESSARY TO HOLD DOWN OFFSET WEIGHT OF OFFSET, WEIGHT OF PIPE, AND TRENCH LOADS ARE IGNORED IN CALCULATIONS.

CITY OF GREENSBORO

STD. NO.	REV.
111	08-02



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DEPTH OF BEDDING MATERIAL BELOW PIPE	
<i>D</i>	<i>d</i> (MIN.)
27" & SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"

BC = OUTSIDE DIAMETER
H = BACKFILL COVER ABOVE
TOP OF PIPE
D = INSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL
BELOW PIPE

NOTE: USE 467M OR A.R.E.A. (AMERICAN RAILWAY ENGINEERING ASSOCIATION) #4 STONE FOR 21" AND LARGER PIPE.

CITY OF GREENSBORO	
STANDARD TRENCH BEDDINGS FOR CIRCULAR PIPE	REV.
207	03-97