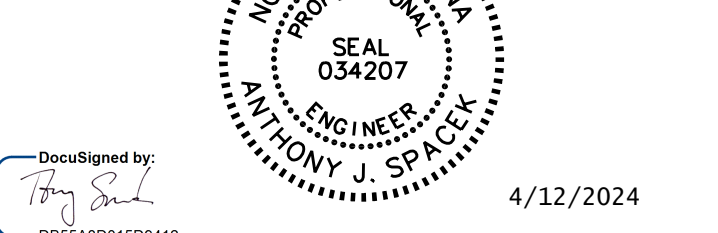


# ROUNDBABOUT GEOMETRY SHEET

## Kimley Horn

NC LICENSE #F-0102  
200 SOUTH TRYON, SUITE 200  
CHARLOTTE, N.C. 28202

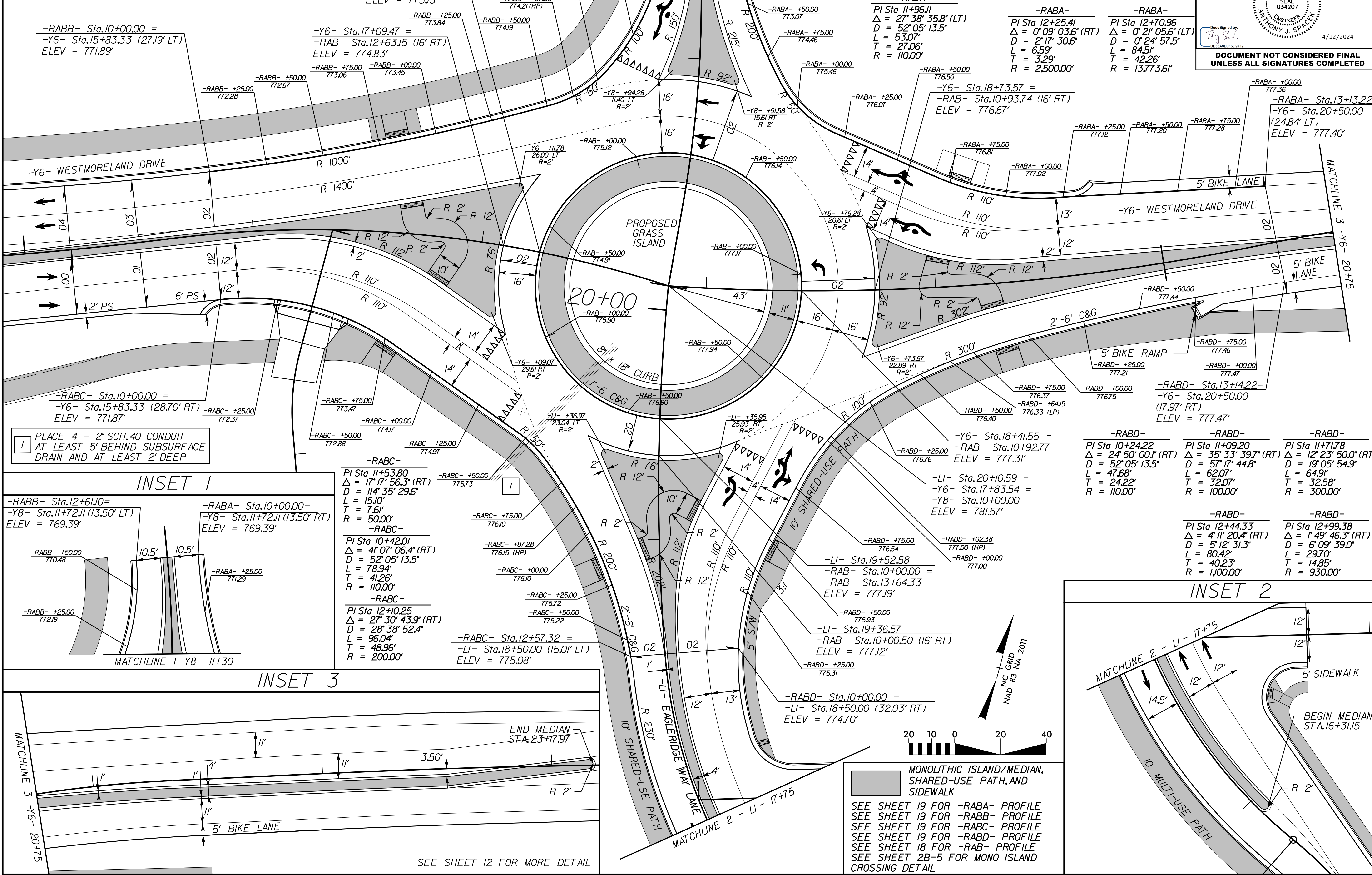
PROJECT REFERENCE NO.	SHEET NO.
U-5108	2B-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	



**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

-RABB-	-RABB-	-RABB-
PI Sta 10+76J2 $\Delta = 8' 42" 21.2" (LT)$ D = 5' 43' 46.5" L = 151.95' T = 76.12' R = 1,000.00'	PI Sta 11+66J2 $\Delta = 3' 39' 24.5" (LT)$ D = 11' 35' 29.6" L = 27.63' T = 14.18' R = 50.00'	PI Sta 12+23.95 $\Delta = 47' 51' 37.4" (LT)$ D = 57' 17' 44.8" L = 83.53' T = 44.38' R = 100.00'

-RABA-	-RABA-
PI Sta 10+47.96 $\Delta = 22' 39' 42.4" (LT)$ D = 28' 38' 52.4" L = 79.10' T = 40.08' R = 200.00'	PI Sta 11+04.57 $\Delta = 38' 44' 45.5" (LT)$ D = 11' 35' 29.6" L = 33.81' T = 17.58' R = 50.00'



-RABB- Sta. 10+00.00 =  
-Y6- Sta. 15+83.33 (27.19' LT)  
ELEV = 771.89'

-Y6- Sta. 17+25.50 =  
-RAB- Sta. 12+62.22  
ELEV = 775.15'

-RABA- PI Sta 11+96.11  
 $\Delta = 27' 38' 35.8" (LT)$   
D = 52' 05' 13.5"  
L = 53.07'  
T = 27.06'  
R = 110.00'

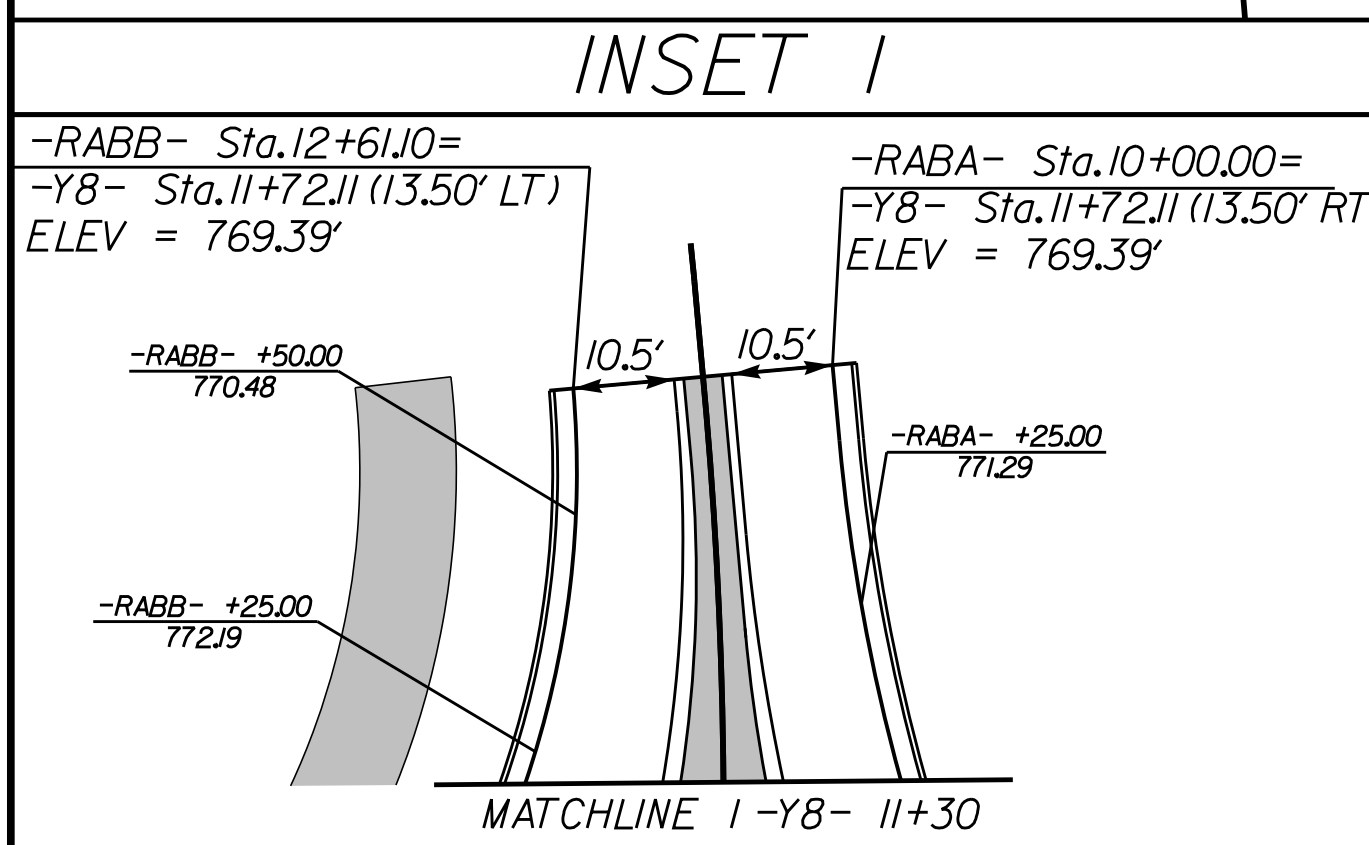
-RABA- PI Sta 12+25.41  
 $\Delta = 0' 09' 03.6" (RT)$   
D = 2' 17' 30.6"  
L = 6.59'  
T = 3.29'  
R = 2,500.00'

-RABA- PI Sta 12+70.96  
 $\Delta = 0' 21' 05.6" (LT)$   
D = 0' 24' 57.5"  
L = 84.51'  
T = 42.26'  
R = 13,773.61'

-RABC- Sta. 10+00.00 =  
-Y6- Sta. 15+83.33 (28.70' RT)  
ELEV = 771.87'

-RABD- Sta. 13+14.22 =  
-Y6- Sta. 20+50.00  
(17.97' RT)  
ELEV = 777.47'

PLACE 4 - 2" SCH. 40 CONDUIT  
AT LEAST 5' BEHIND SUBSURFACE  
DRAIN AND AT LEAST 2' DEEP

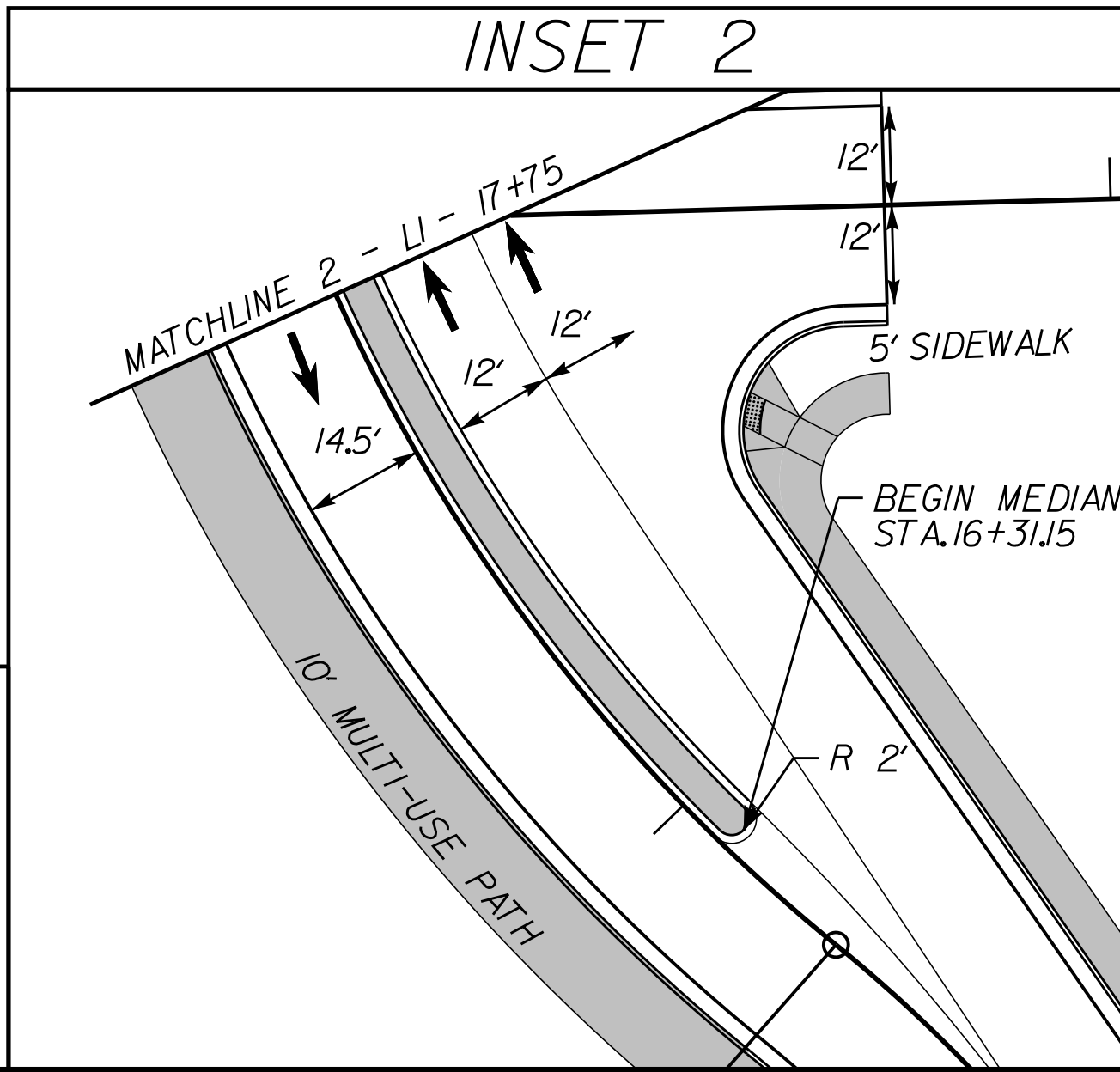
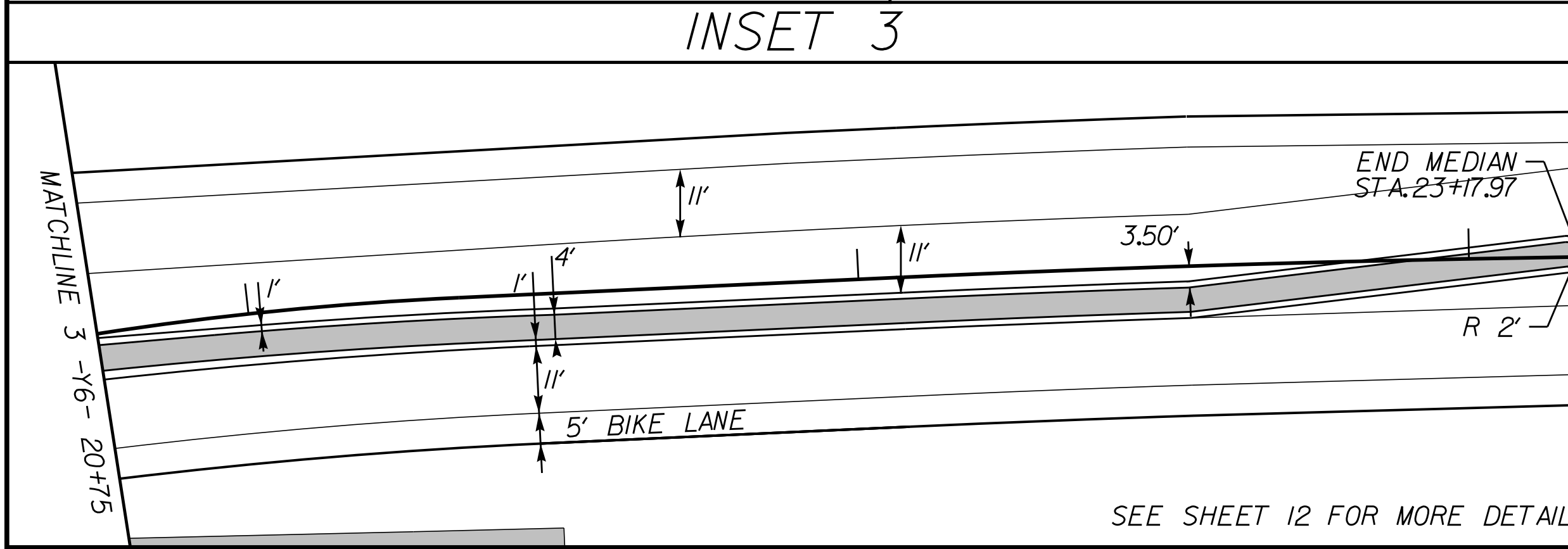


-RABC-	-RABC-	-RABC-
PI Sta 11+53.80 $\Delta = 17' 17' 56.3" (RT)$ D = 11' 35' 29.6" L = 15.10' T = 7.61' R = 50.00'	PI Sta 10+42.01 $\Delta = 41' 07' 06.4" (RT)$ D = 52' 05' 13.5" L = 78.94' T = 41.26' R = 110.00'	PI Sta 12+10.25 $\Delta = 27' 30' 43.9" (RT)$ D = 28' 38' 52.4" L = 96.04' T = 48.96' R = 200.00'

-RABD- PI Sta 10+24.22  
 $\Delta = 24' 50' 00.1" (RT)$   
D = 52' 05' 13.5"  
L = 47.68'  
T = 24.22'  
R = 110.00'

-RABD- PI Sta 11+09.20  
 $\Delta = 35' 33' 39.7" (RT)$   
D = 57' 17' 44.8"  
L = 62.07'  
T = 32.07'  
R = 100.00'

-RABD- PI Sta 12+44.33  
 $\Delta = 4' 11' 20.4" (RT)$   
D = 5' 12' 31.3"  
L = 80.42'  
T = 40.23'  
R = 1,100.00'



**MONOLITHIC ISLAND/MEDIAN, SHARED-USE PATH, AND SIDEWALK**

SEE SHEET 19 FOR -RABA- PROFILE  
 SEE SHEET 19 FOR -RABB- PROFILE  
 SEE SHEET 19 FOR -RABC- PROFILE  
 SEE SHEET 19 FOR -RABD- PROFILE  
 SEE SHEET 18 FOR -RAB- PROFILE  
 SEE SHEET 2B-5 FOR MONO ISLAND CROSSING DETAIL

K:\CHL\_PRA\101036359 - U-5108 (Northcross) DSN\Roadway\Proj\U-5108\_rdy\_psh\_2B-1.dgn 4/12/2024