

5/14/2023



ROUNDAABOUT GEOMETRY SHEET

Kimley»Horn

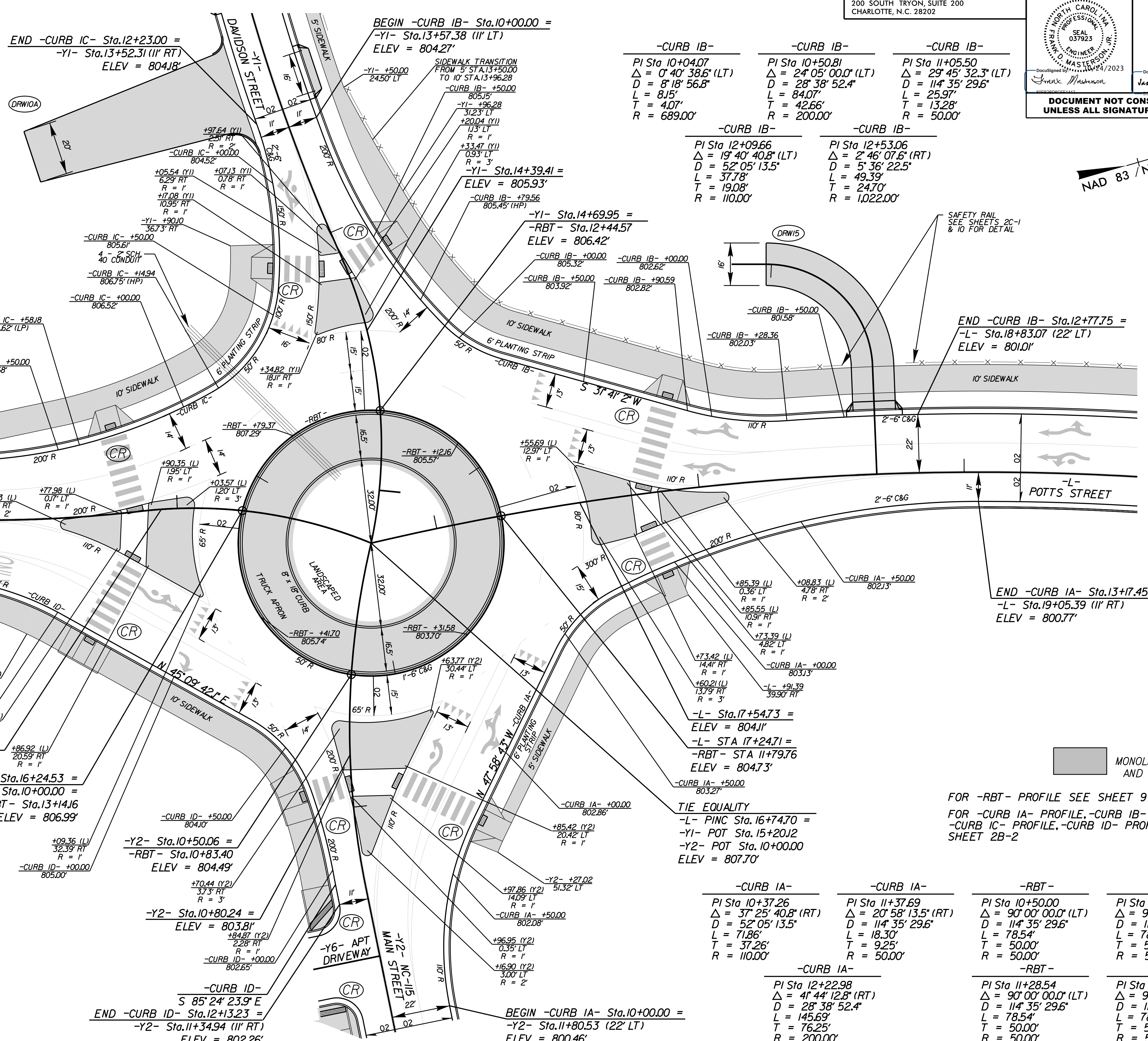
NC LICENSE #F-0102
200 SOUTH TRYON, SUITE 200
CHARLOTTE, N.C. 28202

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| PROJECT REFERENCE NO. U-5873 | SHEET NO. 2B-1 |
| ROADWAY DESIGN ENGINEER FRANK MASTERS | HYDRAULICS ENGINEER JASON LEWIS |
| Professional Engineer Seal FRANK MASTERS 037923 | Professional Engineer Seal JASON LEWIS 032615 |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

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| -CURB IC- PI Sta 10+53.00 Δ = 29° 40' 55.9" (LT) D = 28' 38" 52.4" L = 103.61' T = 53.00' R = 200.00' | -CURB IC- PI Sta 11+20.66 Δ = 37° 39' 49.8" (LT) D = 11' 35' 29.6" L = 32.87' T = 17.05' R = 50.00' |
| -CURB IC- PI Sta 11+78.09 Δ = 45° 11' 00.8" (LT) D = 57' 17" 44.8" L = 78.86' T = 41.61' R = 100.00' | |

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| -CURB IC- PI Sta 10+53.00 Δ = 29° 40' 55.9" (LT) D = 28' 38" 52.4" L = 103.61' T = 53.00' R = 200.00' | -CURB IC- PI Sta 11+20.66 Δ = 37° 39' 49.8" (LT) D = 11' 35' 29.6" L = 32.87' T = 17.05' R = 50.00' |
| -CURB IC- PI Sta 11+78.09 Δ = 45° 11' 00.8" (LT) D = 57' 17" 44.8" L = 78.86' T = 41.61' R = 100.00' | |

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| -CURB ID- PI Sta 10+29.02 Δ = 27° 58' 06.7" (RT) D = 52' 05" 13.5" L = 53.70' T = 27.39' R = 110.00' | -CURB ID- PI Sta 11+31.53 Δ = 24° 37' 26.5" (RT) D = 11' 35' 29.6" L = 21.49' T = 10.91' R = 50.00' |
| -CURB ID- PI Sta 11+86.09 Δ = 24° 48' 27.5" (RT) D = 28' 38" 52.4" L = 86.59' T = 43.99' R = 200.00' | |



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| -CURB IB- PI Sta 10+04.07 Δ = 0° 40' 38.6" (LT) D = 8' 18" 56.8" L = 8.15' T = 4.07' R = 689.00' | -CURB IB- PI Sta 10+50.81 Δ = 24° 05' 00.0" (LT) D = 28' 38" 52.4" L = 84.07' T = 42.66' R = 200.00' | -CURB IB- PI Sta 11+05.50 Δ = 29° 45' 32.3" (LT) D = 11' 35' 29.6" L = 25.97' T = 13.28' R = 50.00' |
| -CURB IB- PI Sta 12+09.66 Δ = 19° 40' 40.8" (LT) D = 52' 05" 13.5" L = 37.78' T = 19.08' R = 110.00' | -CURB IB- PI Sta 12+53.06 Δ = 2° 46' 07.6" (RT) D = 5' 36" 22.5" L = 49.39' T = 24.70' R = 1,022.00' | |

NAD 83 / NA 2011

SAFETY RAIL
SEE SHEETS 2C-1
& 10 FOR DETAIL

END -CURB IB- Sta.12+77.75 =
-L- Sta.18+83.07 (22' LT)
ELEV = 801.01'

END -CURB IA- Sta.13+17.45 =
-L- Sta.19+05.39 (11' RT)
ELEV = 800.77'

MONOLITHIC ISLANDS
AND SIDEWALK

FOR -RBT- PROFILE SEE SHEET 9
FOR -CURB IA- PROFILE, -CURB IB- PROFILE,
-CURB IC- PROFILE, -CURB ID- PROFILE SEE
SHEET 2B-2

TIE EQUALITY
-L- PINC Sta.16+74.70 =
-Y1- POT Sta.15+20.12
-Y2- POT Sta.10+00.00
ELEV = 807.70'

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| -CURB IA- PI Sta 10+37.26 Δ = 37° 25' 40.8" (RT) D = 52' 05" 13.5" L = 71.86' T = 37.26' R = 110.00' | -CURB IA- PI Sta 11+37.69 Δ = 20° 58' 13.5" (RT) D = 11' 35' 29.6" L = 18.30' T = 9.25' R = 50.00' | -RBT- PI Sta 10+50.00 Δ = 90° 00' 00.0" (LT) D = 11' 35' 29.6" L = 78.54' T = 50.00' R = 50.00' | -RBT- PI Sta 12+85.62 Δ = 90° 00' 00.0" (LT) D = 11' 35' 29.6" L = 78.54' T = 50.00' R = 50.00' |
| -CURB IA- PI Sta 12+22.98 Δ = 4° 44' 12.8" (RT) D = 28' 38" 52.4" L = 145.69' T = 76.25' R = 200.00' | -RBT- PI Sta 11+28.54 Δ = 90° 00' 00.0" (LT) D = 11' 35' 29.6" L = 78.54' T = 50.00' R = 50.00' | -RBT- PI Sta 12+07.08 Δ = 90° 00' 00.0" (LT) D = 11' 35' 29.6" L = 78.54' T = 50.00' R = 50.00' | |

10/6/2023