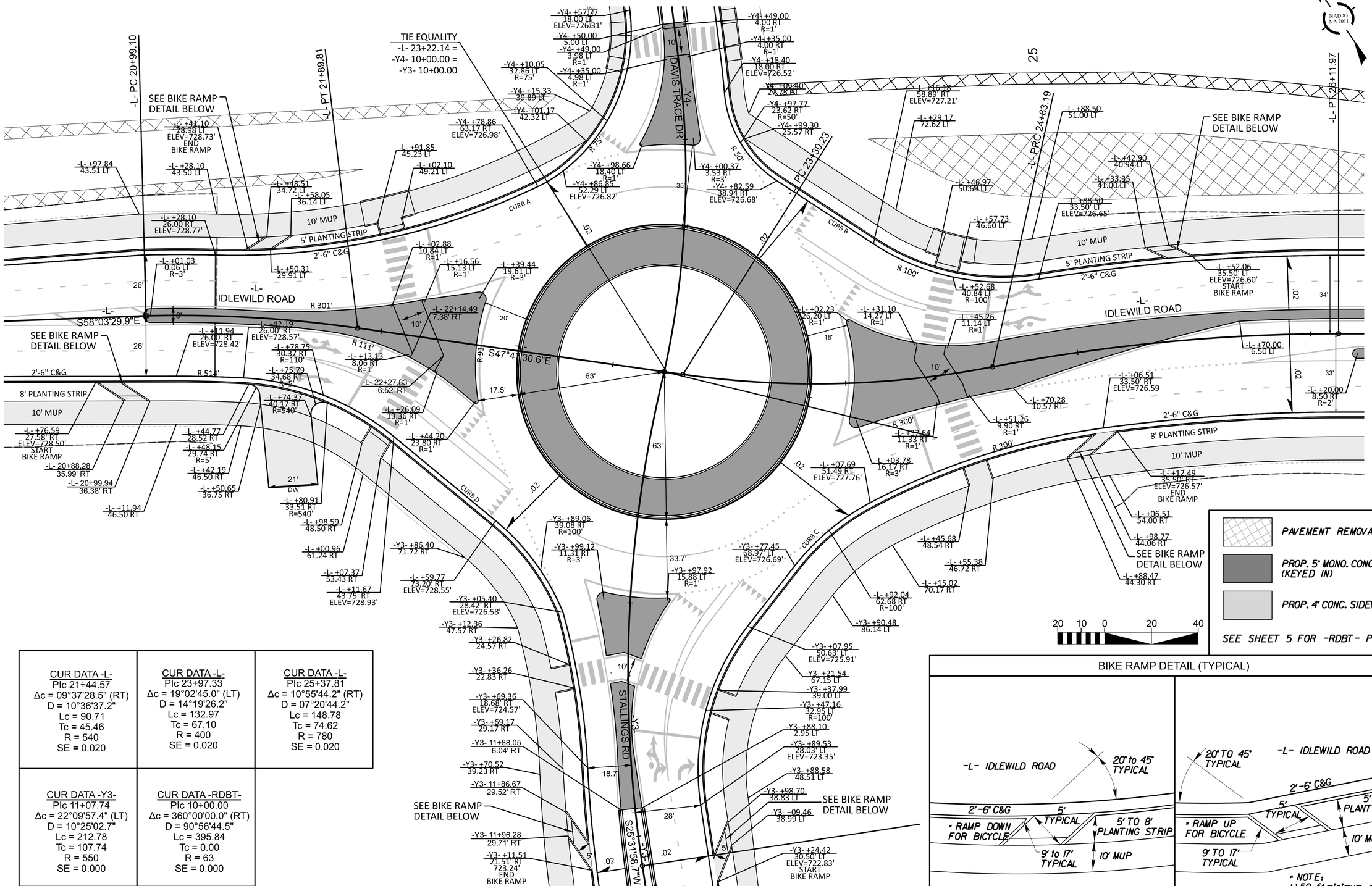
ROUNDABOUT GEOMETRY SHEET



CUR DATA -L-	CUR DATA -L-	CUR DATA -L-
PIc 21+44.57	PIc 23+97.33	PIc 25+37.81
Δc = 09°37'28.5" (RT)	Δc = 19°02'45.0" (LT)	Δc = 10°55'44.2" (RT)
D = 10°36'37.2"	D = 14°19'26.2"	D = 07°20'44.2"
Lc = 90.71	Lc = 132.97	Lc = 148.78
Tc = 45.46	Tc = 67.10	Tc = 74.62
R = 540	R = 400	R = 780
SE = 0.020	SE = 0.020	SE = 0.020

CUR DATA -Y3-	CUR DATA -RDBT-
PIc 11+07.74	PIc 10+00.00
Δc = 22°09'57.4" (LT)	Δc = 360°00'00.0" (RT)
D = 10°25'02.7"	D = 90°56'44.5"
Lc = 212.78	Lc = 395.84
Tc = 107.74	Tc = 0.00
R = 550	R = 63
SE = 0.000	SE = 0.000

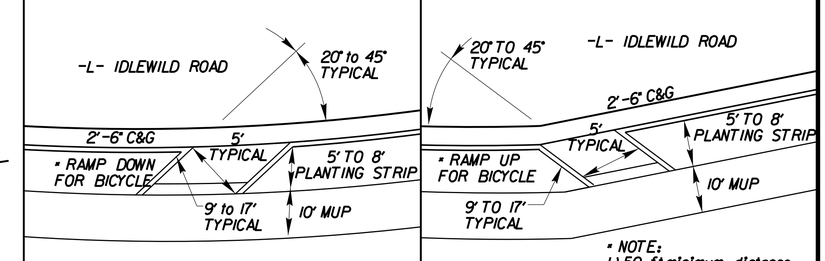
PAVEMENT REMOVAL

PROP. 5" MONO. CONC. ISLAND (KEYED IN)

PROP. 4" CONC. SIDEWALK

SEE SHEET 5 FOR -RDBT- PLAN

BIKE RAMP DETAIL (TYPICAL)



* NOTE:
1.) 50 ft.minimum distance to cross walk
2.) 100 ft.minimum distance to roundabout

U-4913A
2B-1

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
MECKLENBURG COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037923 ENGINEER FRANK L. MASTERSON JR.
9/8/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037923 ENGINEER FRANK L. MASTERSON JR.
9/8/2025

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PREPARED BY
Kimley»Horn

REVISIONS

5/26/20