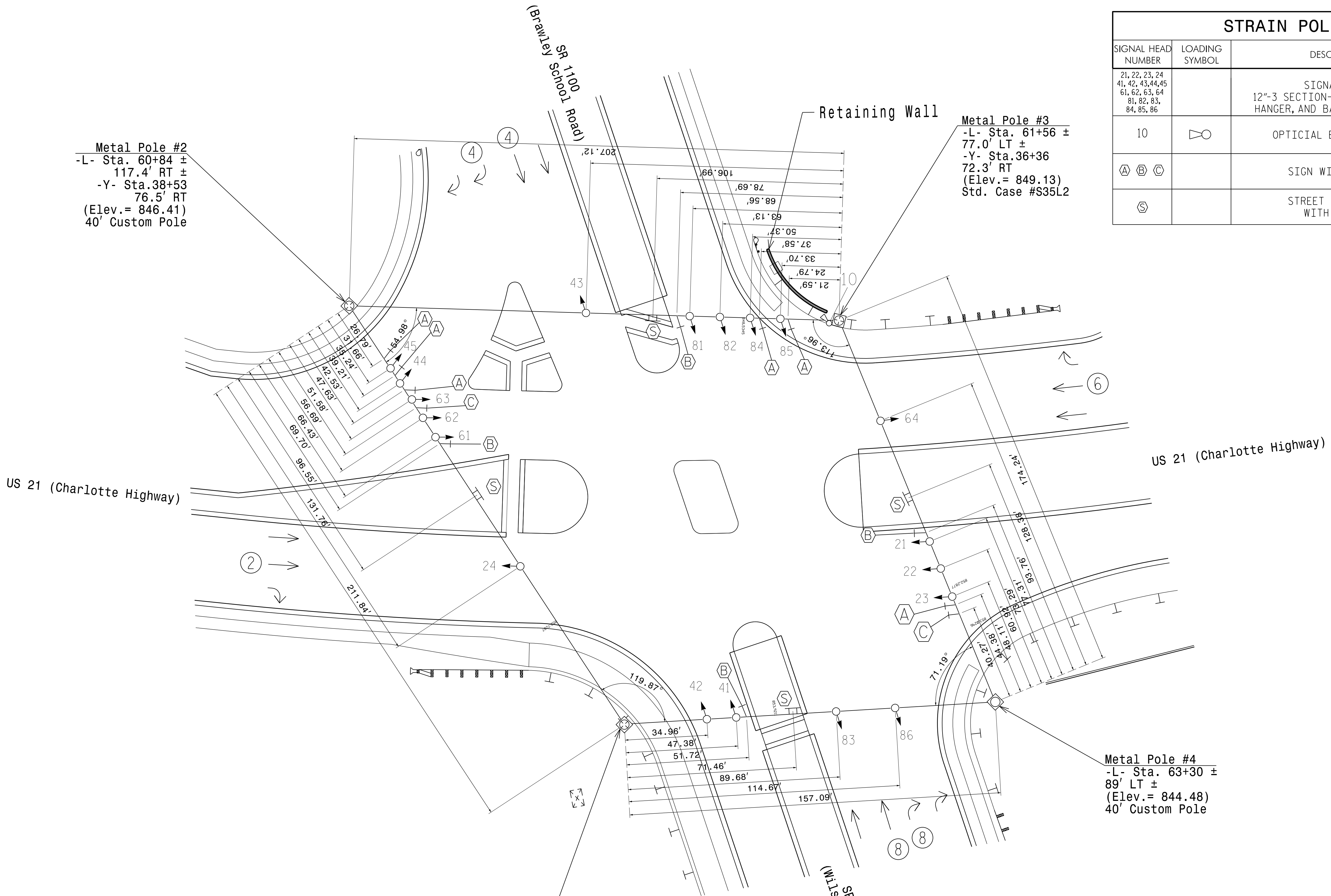


Design Loading for METAL STRAIN POLES

STRAIN POLE LOADING SCHEDULE					
SIGNAL HEAD NUMBER	LOADING SYMBOL	DESCRIPTION	AREA	SIZE	WEIGHT
21, 22, 23, 24 41, 42, 43, 44, 45 61, 62, 63, 64 81, 82, 83, 84, 85, 86		SIGNAL HEAD 12"-3 SECTION-WITH BACKPLATE, HANGER, AND BALANCE ADJUSTER	9.5 S.F.	25.5" W X 53.5" L	56 LBS
10	⊗	OPTICAL EVP DETECTOR	0.25 S.F.	4.75" W X 12.0" L X 7.13" H	1.2 LBS
A B C		SIGN WITH HANGER	7.5 S.F.	30.0" W X 36.0" L	14 LBS
S		STREET NAME SIGN WITH HANGER	16.0 S.F.	24.0" W X 96.0" L	36 LBS



Metal Pole #2
 -L- Sta. 60+84 ±
 117.4' RT ±
 -Y- Sta. 38+53
 76.5' RT
 (Elev. = 846.41)
 40' Custom Pole

Metal Pole #3
 -L- Sta. 61+56 ±
 77.0' LT ±
 -Y- Sta. 36+36
 72.3' RT
 (Elev. = 849.13)
 Std. Case #S35L2

Metal Pole #4
 -L- Sta. 63+30 ±
 89' LT ±
 (Elev. = 844.48)
 40' Custom Pole

Metal Pole #1
 -L- Sta. 62+89 ±
 63.3' RT ±
 -Y- Sta. 37+30
 95.9' LT
 (Elev. = 851.39)
 Std. Case #S35L2

Loading Diagram for 12-1369

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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Prepared for the Offices of:

 750 N. Greenfield Pkwy, Garner, NC 27526
 SCALE: 0 N/A

US 21 (Charlotte Highway) at SR 1100 (Brawley School Road) / SR 1117 (Wilson Avenue)	
Division 12	Iredell County
Mooreville	
PLAN DATE: May 2022	REVIEWED BY: E D Harris
PREPARED BY: J Hanbright	REVIEWED BY: R M Muncey
REVISIONS	INIT. DATE

SEAL

 DERRICK A. WALLER
 ENGINEER
 042678
 DocuSigned by:
 Derrick Waller
 3/22/2023
 DATE
 SIG. INVENTORY NO. 12-1369

3/22/2023
 U:\Traffic\cns\gna\15405\Metal_Poles\Strain_Pole_Analysis\SR-3833C...Strain_Pole>Loading Data_12-1369.dgn
 User: daw1118r