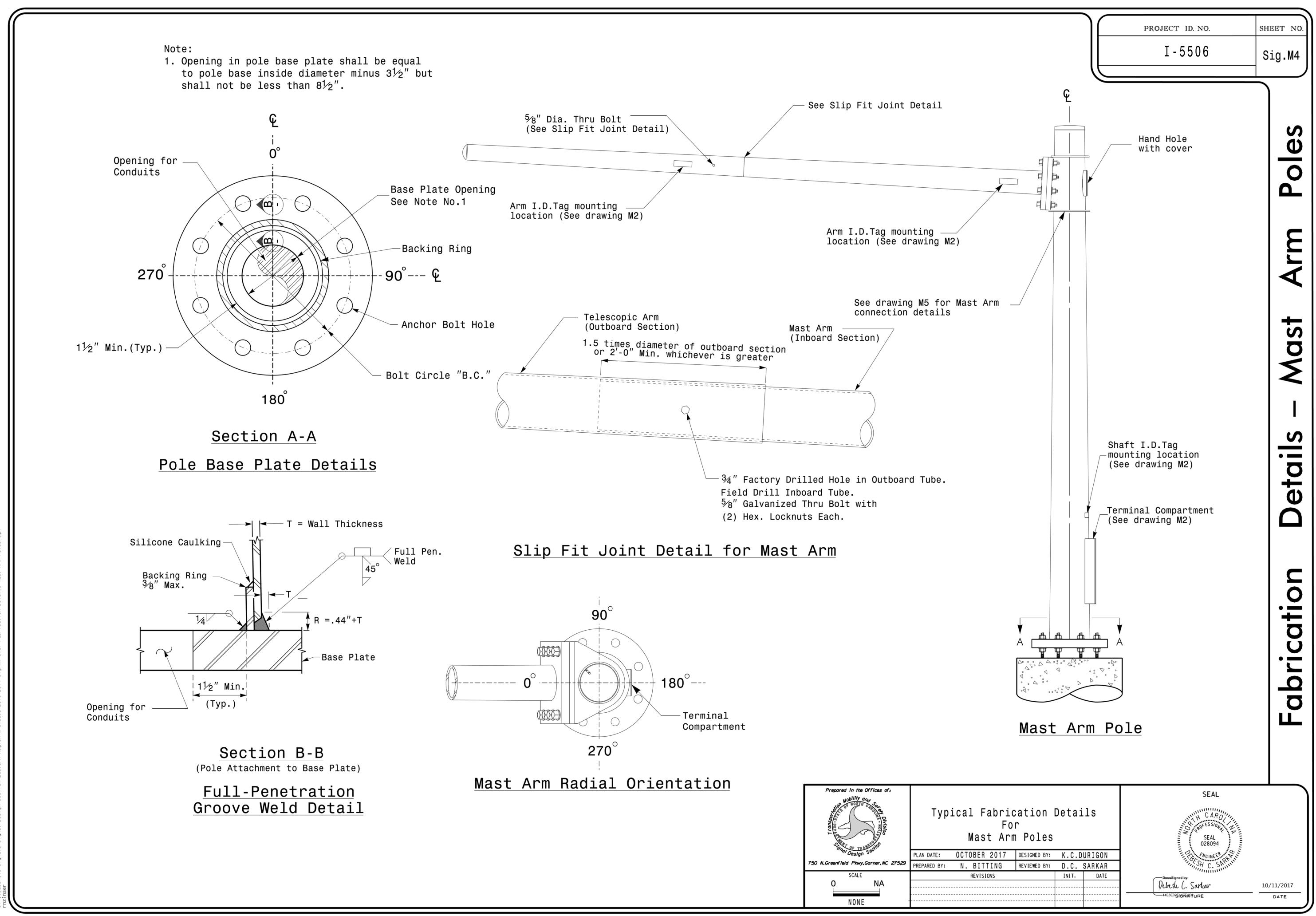
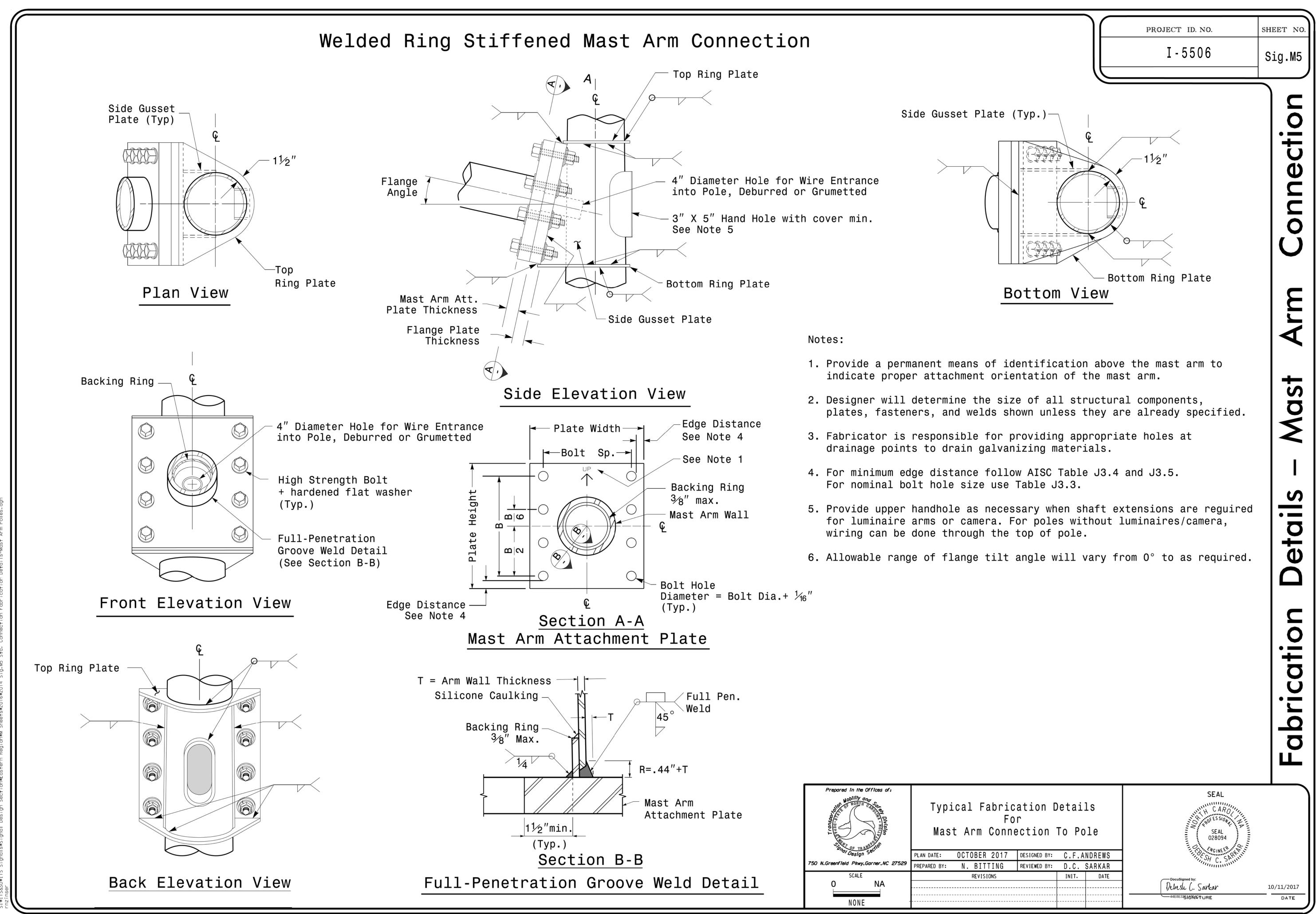
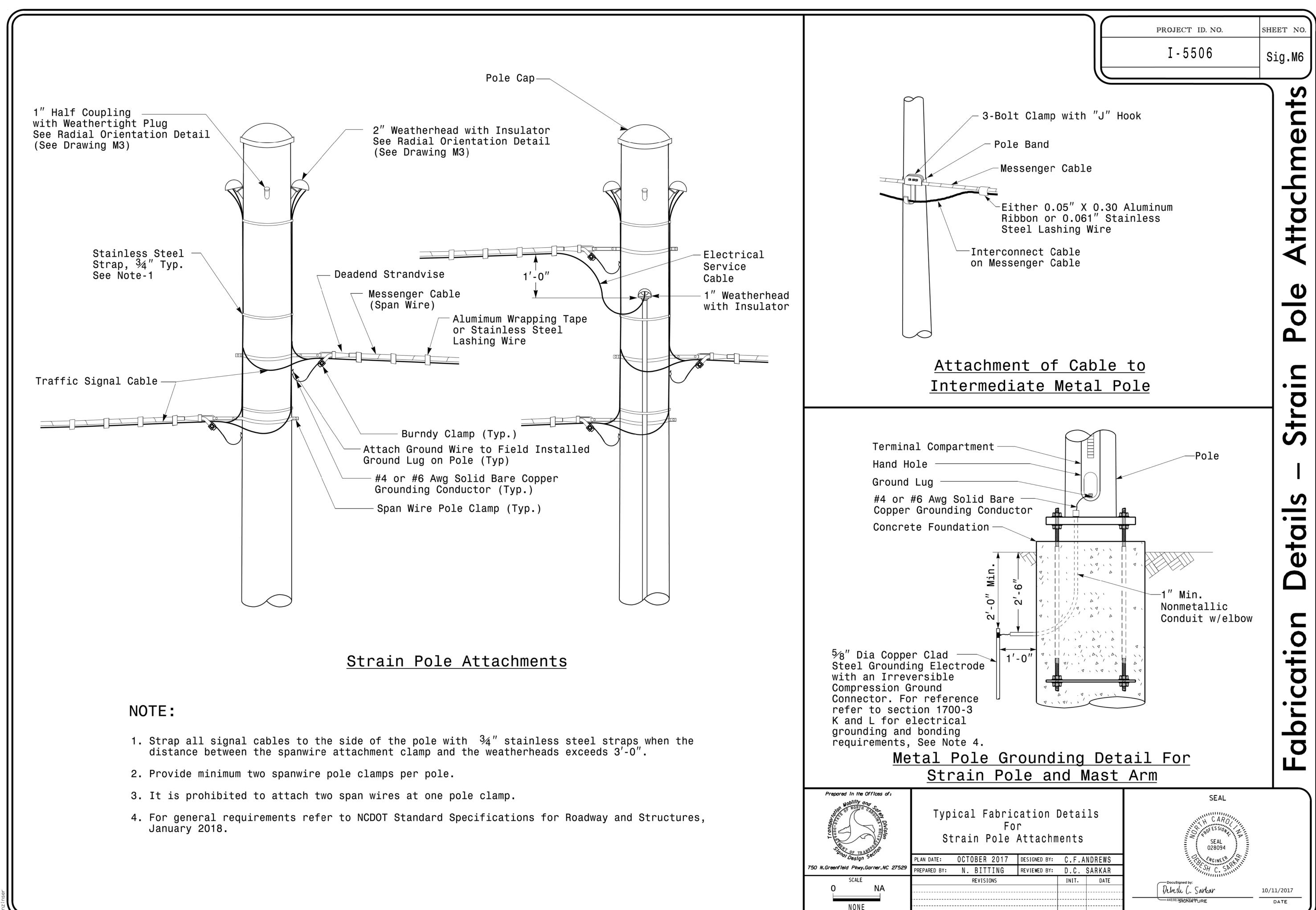
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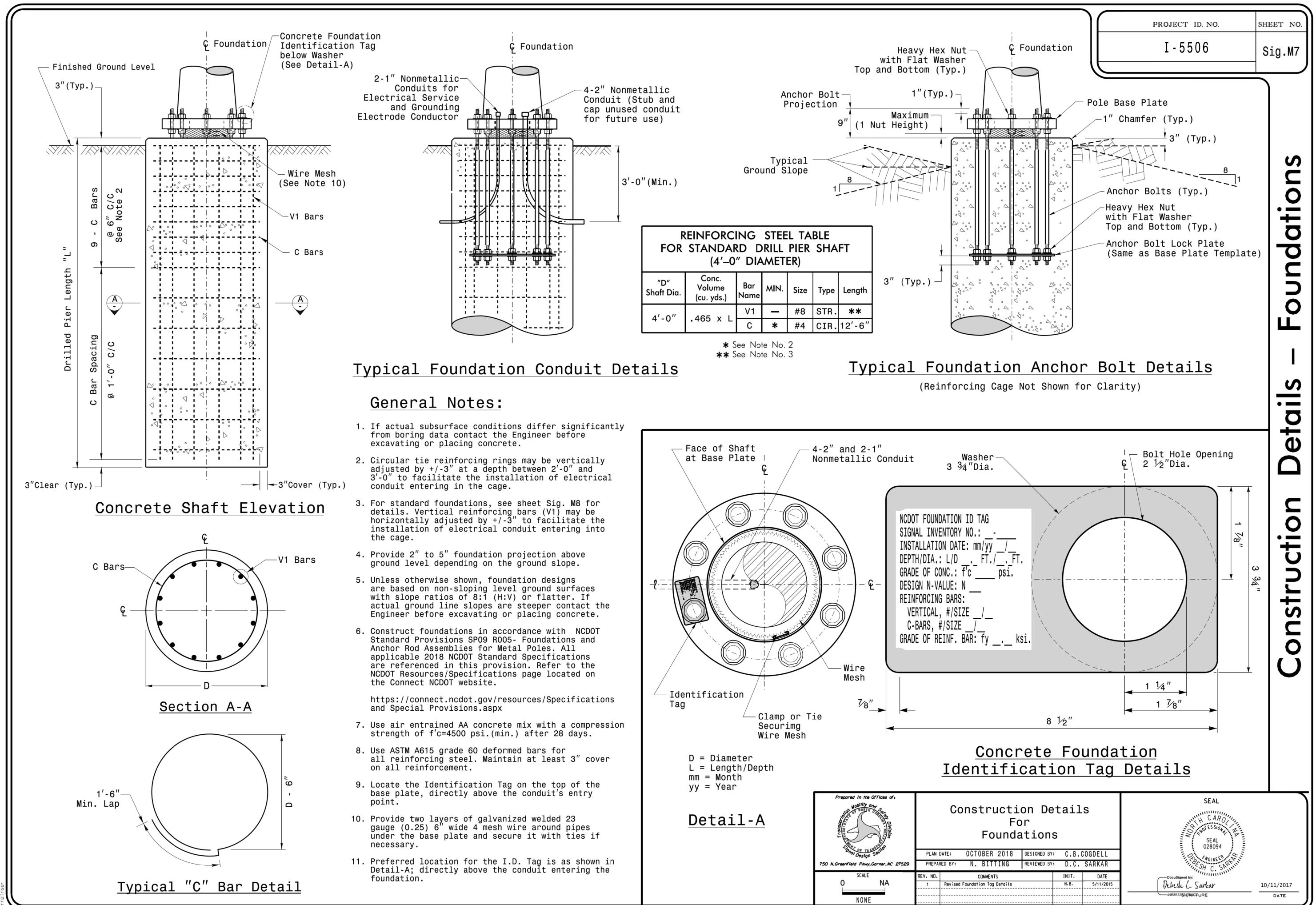
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				SEAL					
oical Fabric Fo train Pole	r		ls.	SEAL 028094					
OCTOBER 2017	DESIGNED BY:	C.F.A	NDREWS	FOR ENGINEER T					
N. BITTING	REVIEWED BY:	D.C.	SARKAR	SH C. SAM					
REVISIONS		INIT.	DATE	DocuSigned by:					
				Debesle C. Sarkar	10/11/2017				
				44E8E33Fは代料4URE	DATE				



		STANDARD STRAIN POLES					SOIL CONDITION STANDARD FOUNDATIONS 48" Diameter Drilled Pier Length (L) – Feet						Reinforcement					
		Base Reactions at the Pole Base					Sand			Longitudinal		Stirrups						
		Case No.	Pole Height (Ft.)	Plate BC (In.)	Axial (kip)	Shear (kip)	Moment (ft–kip)	Medium N–Value 4–8	Stiff N–Value 9–15	Very Stiff N–Value 16–30	Hard N–Value > 30	Loose N–Value 4–10	Medium N-Value 11-30	Dense N–Value > 30	Bar Size (#)	Quantity (ea.)	Bar Size (#)	Spacing (in.)
W I N D	I G H T HEA	S26L3	26	25	2	11	270	19	13	10	8	17	14.5	12.5	8	12	4	12
		S30L3	30	25	2	11	300	19.5	13.5	10	8	17.5	15	13	8	14	4	12
Z 0		S35L3	35	25	3	11	320	20	13.5	10.5	8	17.5	15	13	8	14	4	12
N E		S30H3	30	29	3	16	450	24.5	16	12	9	21	17.5	15	8	16	4	6
1		S35H3	35	29	4	16	515	26	17	12.5	9.5	22	18.5	16	8	16	4	6
W	L	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
N D	Ġ H	S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
Z	Ť	S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
O N E	H E A	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
2 WIND ZONE 3 WT	<b>\</b> \ /	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
	I G H T	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	Ā	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
	L I G H	S26L1	26	22	2	8	190	16	11.5	8.5	8	15	12.5	11	8	12	4	12
N D		S30L1	30	22	2	8	205	16.5	11.5	9	8	15	13	11.5	8	12	4	12
ZONE 4 WIND ZONE	T	S35L1	35	22	3	8	230	17	12	9	8	15.5	13.5	11.5	8	12	4	12
	H E A	S30H1	30	25	3	12	320	20.5	13.5	10.5	8	18	15	13.5	8	16	4	6
	V Y	S35H1	35	25	4	12	350	21	14	10.5	8.5	18.5	15.5	13.5	8	16	4	6
	LI	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
	Ĝ H	S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
	Т	S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	H E A	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
5	V Y	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6

Prepared in the Offices of:	
Wobility on the prices of a	
Design Sea	PLAN
750 N.Greenfield Pkwy.Garner.NC 27529	PREPA
SCALE	
0 NA	Change
NONE	

### Sig.M8

# General Notes:

1. Values shown in the "Reactions at the Pole Base" column represent the minimum acceptable capacity allowed for design using a design CSR of 1.00. 2. Use chairs and spacers to maintain proper clearance. 3. For foundation, always use air-entrain concrete mix.

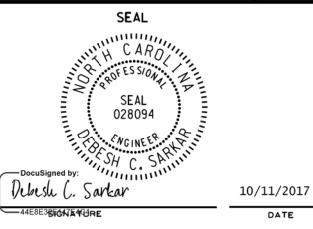
## Foundation Selection:

1. Perform a standard penetration test at each proposed foundation site to determine "N" value. 2. Select the appropriate wind zone from M 1 drawing. 3. Select the soil type (Clay or Sand) that best describes the soil characteristics. 4. Get the appropriate standard pole case number from the plans or from the Engineer. 5. Select the appropriate column under "Standard Foundations" based on soil type and "N" value. Select the appropriate row based on the pole load case. 6. The foundation depth is the value shown in the "Standard Foundations" category where the column and the row intersect.

7. Use Construction Procedures and Design Methods prescribed by FHWA-NHI-10-016 for Reference Drilled Shafts.

Condition Soil Foundation–All ole Strain Standard

Standard Strain Pole Foundation for All Soil Conditions							
CTOBER 2017	DESIGNED BY:	С.В. С	OGDELL				
BY: N. BITTING	REVIEWED BY:	D.C.	SARKAR				
REVISIONS	INIT.	DATE					
oundation Depth" to "Drilled Pier Ler	N.B.	7/12/2015					



DATE