SHEET	TOTAL						
NO.	SHEETS						
1	11						

INDEX OF SHEETS									
SHEET NO.	DESCRIPTION	SHEET SUBTOTALS							
1	TITLE SHEET	1							
2	SUMMARY OF ESTIMATED QUANTITIES	1 1							
3	TRAFFIC SIGNAL PLAN	1 1							
4	MAST ARM POLE DETAIL	1							
TOTAL		4							

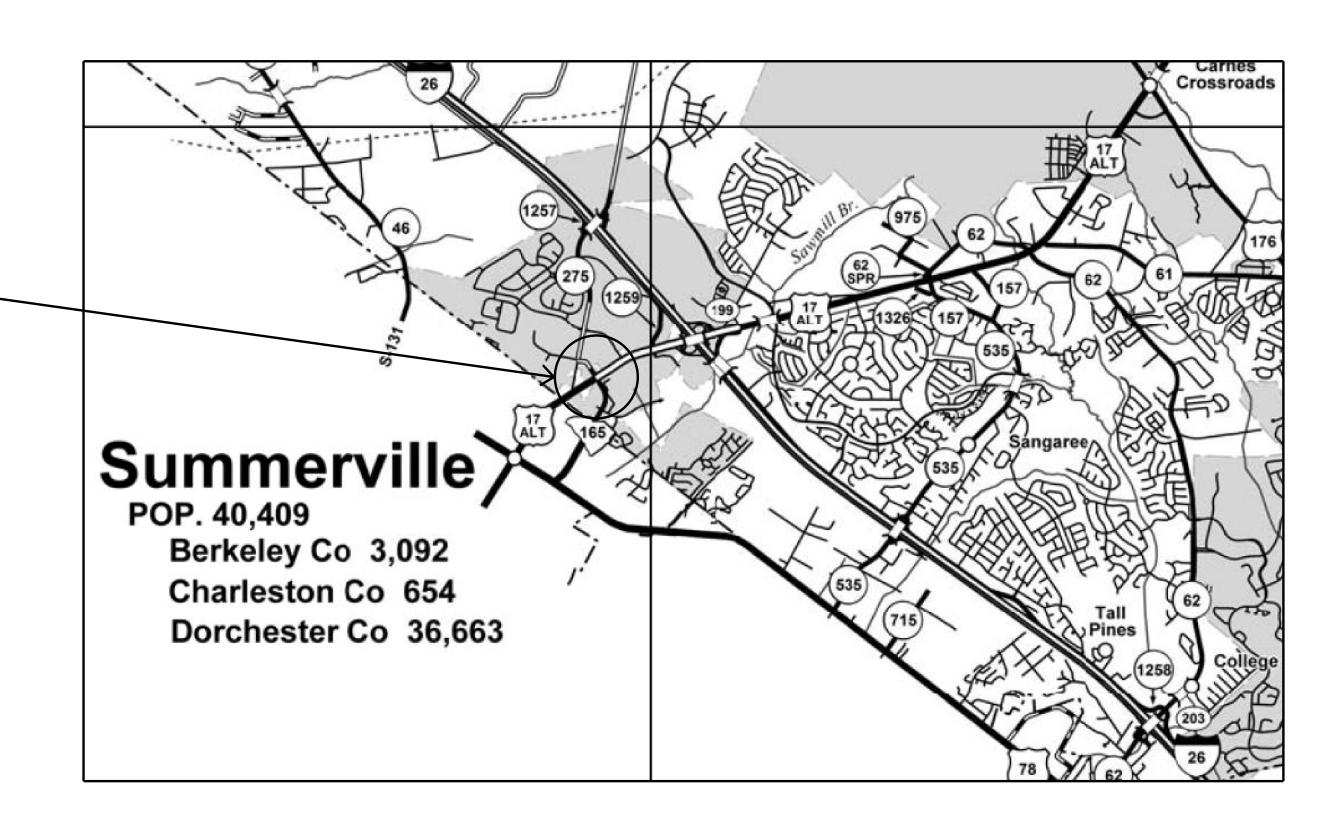
PROJECT LOCATION



PROPOSED PLANS FOR

BERKELEY COUNTY

RTE./RD. <u>US 17A & SC 165</u> US 17A & SC 165 TRAFFIC SIGNAL PLAN



3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

CALL 811

SOUTH CAROLINA 811 (SC811)

WWW.SC811.COM

ALL UTILITIES MAY NOT BE A MEMBER OF SC811

RAILROAD INVOLVEMENT? YES (NO

TRAFFIC DATA

US 17A ADT 32,300

SC 165 ADT 22,400

TRUCKS N/A %

LAYOUT

SCALE 1 INCH = N.T.S.FEET

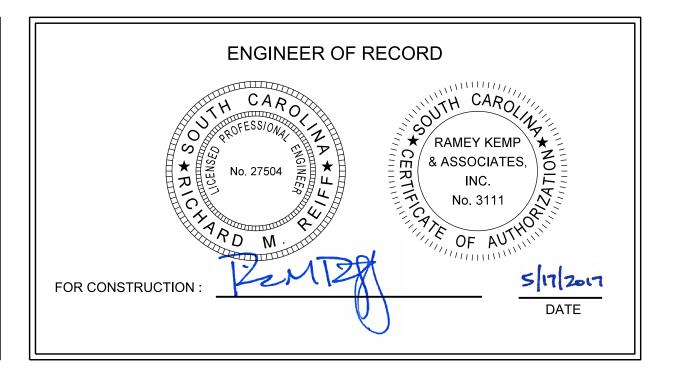
NET LENGTH OF ROADWAY	-	MILES
NET LENGTH OF BRIDGES	-	MILES
NET LENGTH OF PROJECT	-	MILES
LENGTH OF EXCEPTIONS	-	MILES
GROSS LENGTH OF PROJECT	-	MILES

EQUALITIES IN STATIONING

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS. ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.



www.rameykemp.com



SUMMARY OF ESTIMATED QUANTITIES

SECTION	ITEM	QUANTITY	UNIT
1031000	MOBILIZATION	1.000	LS
1071000	TRAFFIC CONTROL	1.000	LS
6510108	FLAT SHEET, TYPE VIII OR IX, SIZE DETERMINED BY MSG OVERHEAD	168.000	SF
6513020	FURNISH & INSTALL MOUNTING ASSEMBLY FOR FLAT SHEET SIGN ERCTD ON MAST ARM	14.000	EA
675027C	FURNISH & INSTALL 3.0" SCHEDULE 80 PVC CONDUIT	10.000	LF
6750278	FURNISH & INSTALL 2.0" SCHEDULE 80 PVC CONDUIT	80.000	LF
6760065	FURNISH & INSTALL 2" SCHEDULE 80 HDPE CONDUIT (DIRECTIONAL BORED)	950.000	LF
6770388	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - BLACK	1,115.000	LF
6770389	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR - GRAY	2,860.000	LF
6770393	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (BLACK)	2,385.000	LF
6770394	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (GRAY)	680.000	LF
6800499	FURNISH & INSTALL ELECTRICAL SERVICE FOR TRAFFIC SIGNAL	1.000	EA
6800518	F&I - 13"X24"X18"D.ELEC.FLUSH UNDGRD.ENCLOSURE-(STR.POLY.CONC.)HD	5.000	EA
6800528	17"X30"X18"D.ELEC.FLUSH UNDGRD.ENCLOSURE-(STR.POLY.CONC.)HD	1.000	EA
6825486	INSTALL CONCRETE FOUNDATION FOR ALUMINUM PEDESTAL POLE	1.000	EA
6865710	FURNISH & INSTALL - 12" 5 SECTION SIGNAL HEAD	1.000	EA
6865720	FURNISH & INSTALL - 12" 4 SECTION SIGNAL HEAD	3.000	EA
6865723	FURNISH & INSTALL - 12" 3 SECTION SIGNAL HEAD	9.000	EA
6865834	FURNISH & INSTALL BACKPLATE W/ RETROREFL.BORDERS FOR TRAFFIC SIGNAL	13.000	EA
6888191	INSTALL BREAK-AWAY PEDESTRIAN POLE ON EXISTING BASE	1.000	EA
6885982	REMOVE FOUNDATION OF STEEL STRAIN POLE - 18" BELOW GRADE	1.000	LS
6885990	REMOVAL, SALVAGE, & DISP. OF EXISTING TRAFFIC SIGNAL EQUIPMENT	1.000	LS
6885992	TEMPORARY ADJUSTMENT OF TRAFFIC SIGNAL EQUIPMENT	1.000	LS
6886078	INSTALL ETHERNET IP RADIO ASSEM & CABLE	1.000	EA
6888167	POWDERCOATING PER MAST ARM OVER GALVANIZED	4.000	EA
6888177	DESIGN, FURNISH & INSTALL STEEL POLE WITH TWIN MAST ARMS INCLUDING FOUNDATION	2.000	EA
6888225	INSTALL CONTROLLER AND 332/336 CABINET-BASE MOUNTED-INCLUDING FOUNDATION	1.000	EA
			-
			1

COUNTY ROUTE NAME SHEET NO.

BERKELEY US 17A NORTH MAIN STREET 2

PROJECT NOTES:

1. TRAFFIC CONTROL

PERFORM TRAFFIC CONTROL FOR SIGNAL IMPROVEMENTS IN ACCORDANCE WITH SCDOT STANDARDS AND TRAFFIC SIGNAL SPECIAL PROVISIONS - TRAFFIC CONTROL, FOR TRAFFIC SIGNAL PROJECTS. REFER TO THIS SPECIAL PROVISION FOR LANE CLOSURE RESTRICTIONS AND CONSTRUCTION RESTRICTIONS.

2. EMERGENCY RESPONSE

IN THE EVENT OF AN EMERGENCY SITUATION THAT REQUIRES REPAIR AND/OR CLOSURE OF THE ROADWAY TO ENSURE PUBLIC SAFETY, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE SCDOT DISTRICT 6 RESIDENT MAINTENANCE ENGINEER AND ESTABLISH TRAFFIC CONTROL PER SCDOT STANDARDS TO ENSURE THAT THE DAMAGED SECTION OF ROADWAY IS FREE FROM VEHICULAR TRAVEL.

3. SURVEY INFORMATION

ALL SURVEYS ARE APPROXIMATE. NO CONTROL HAS BEEN ESTABLISHED FOR THIS PROJECT.

4. UTILITY COORDINATION

CONTRACTOR SHALL COORDINATE WITH ALL EXISTING UTILITIES FOR CONDUIT AND POLE PLACEMENT.

5. POLES AND MAST ARMS

STEEL POLES AND MAST ARMS SHALL CONFORM TO THE TOWN OF SUMMERVILLE SPECIFIC DETAILS SHOWN ON SHEET 4.

6. DIRECTIONAL BORING

CONTRACTOR SHALL ENSURE THAT ALL DIRECTIONAL BORED CONDUIT WILL BE LOCATED AT LEAST 4 FEET BELOW THE LOWEST POINT OF THE ROADWAY CROSS-SECTION.

Prepared For:

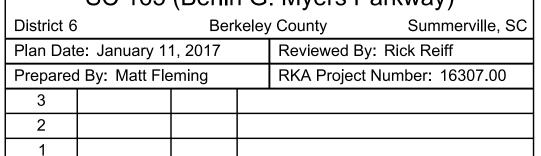
South Carolina Department of Transp



SUMMARY OF ESTIMATED QUANTITIES

US 17A (North Main Street)
at

SC 165 (Berlin G. Myers Parkway)



Description of Revison

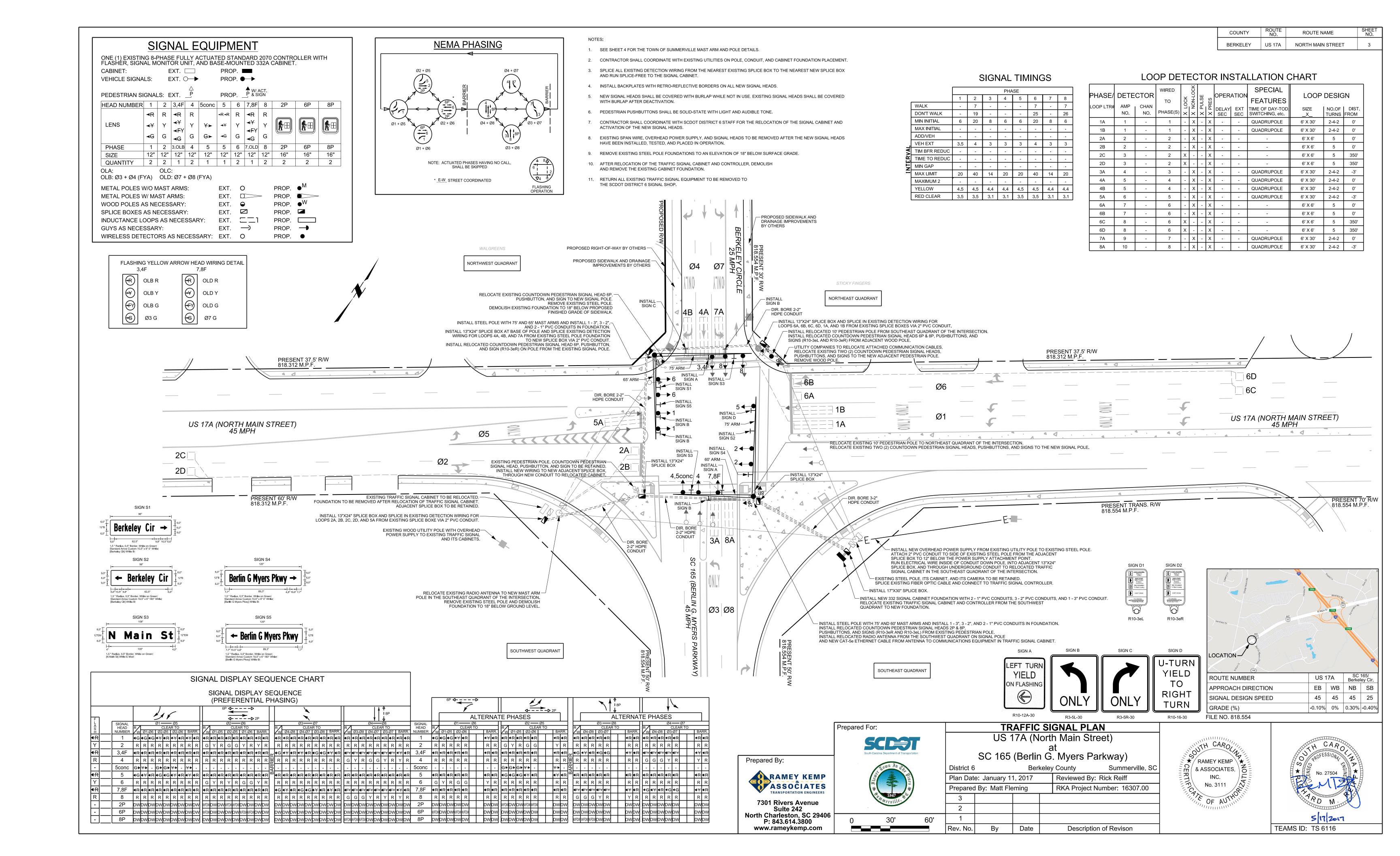


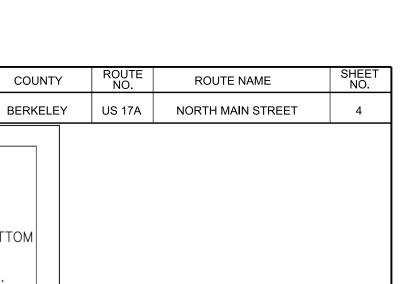


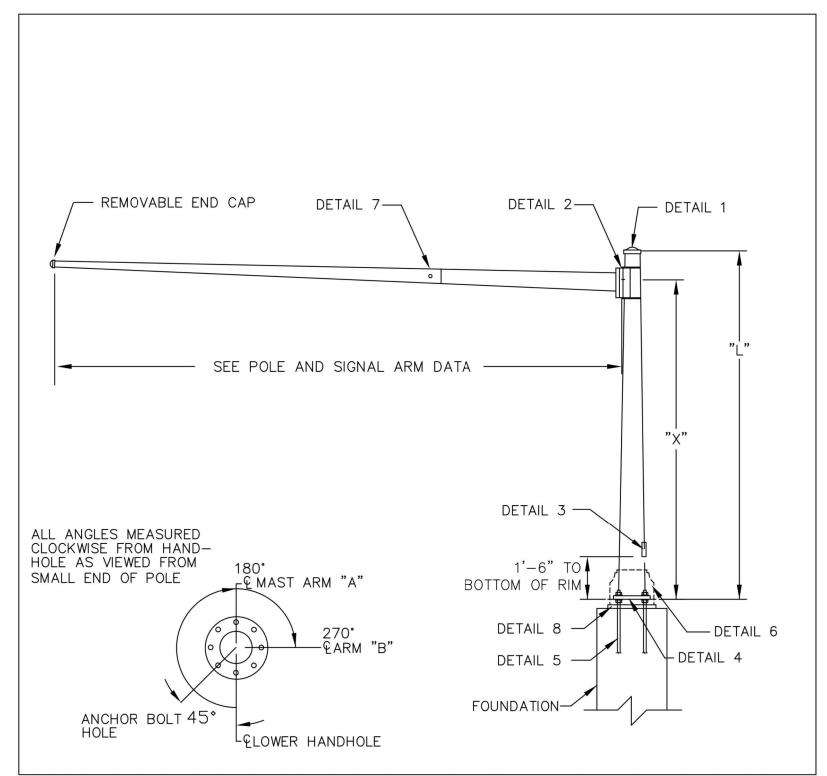
Prepared By:

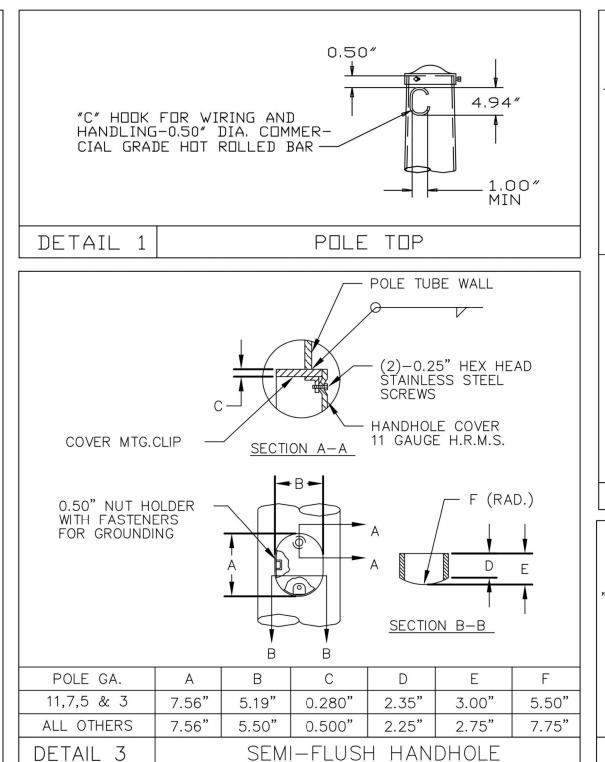


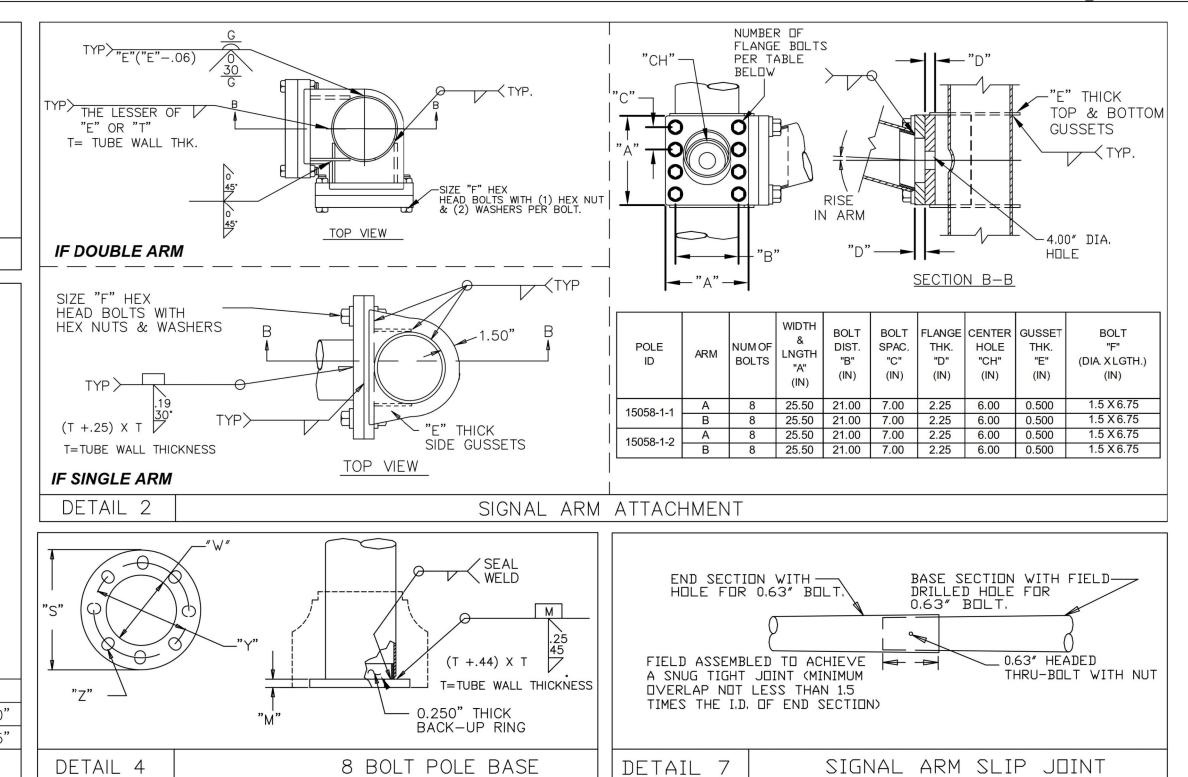
7301 Rivers Avenue Suite 242 North Charleston, SC 29406 P: 843.614.3800 www.rameykemp.com

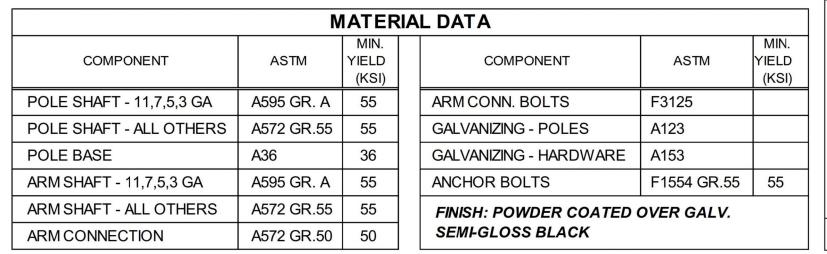


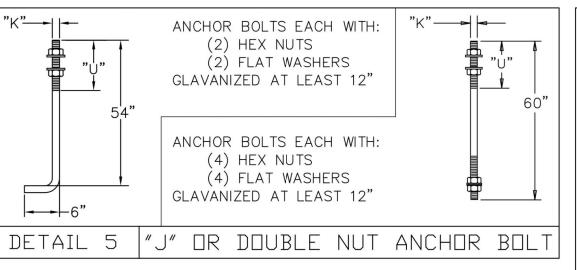


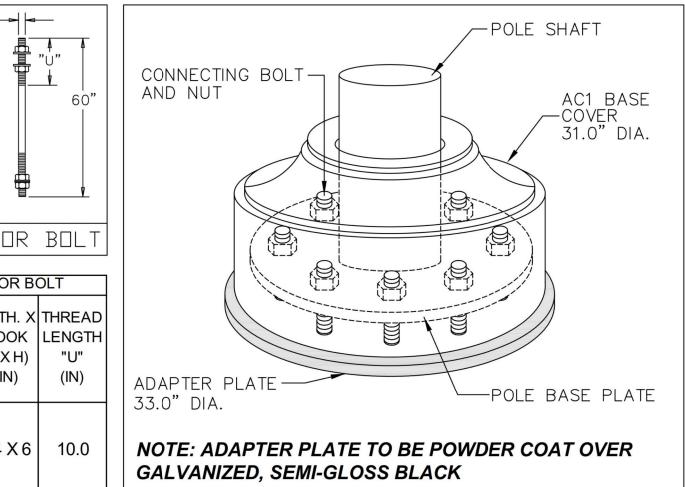




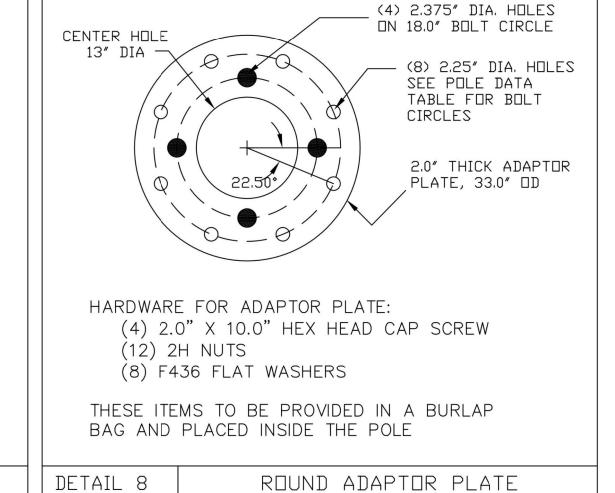








DETAIL 6



	SHAFT				BASE PLATE				ARM DATA							ANCHOR BOLT				
SHAFT ID	BASE DIA. (IN)	TOP DIA. (IN)	LGTH. "L" (FT)	WALL THICK (IN)	DIA. "S" (IN)	BOLT CIRCLE "Y" (IN)	CENTER HOLE DIA. "W" (IN)	THK. "M" (IN)	HOLE "Z" (IN)	ARM ID	FIXED END DIA. (IN)	FREE END DIA. (IN)	GAUGE OR THK (IN)	SEC. LGTH. (FT)	SPAN (FT)	ATTACH ELEV "X" (FT)	RADIAL ORIENT (DEG)	DIA. "K" (IN)		THREAD LENGTH "U" (IN)
	18.00	15.06	21.0	0.500	30.0	24.0	12.0	2.00	2.25	А	16.09	12.21	0.313	27.69	75.0	19.0	180 270	2.00	84 X 6	
15058-1-1											13.00	6.00	0.209	50.00						10.0
NW Corner										В	14.69	12.21	0.313	17.69	65.0	19.0				
																		В	13.00	6.00
	10.00	15.00	6 21.0	0.500	30.0	24.0	12.0	2.00	2.25			12.21	0.313	12.69	60.0	19.0	180	2.00	00 84 X 6	
15058-1-2										A	13.00	6.00	0.209	50.00						10.0
SE Corner	18.00	15.06								В	16.09	12.21	0.313	27.69	75.0	10.0		2.00		10.0
										В	13.00	6.00	0.209	50.00	75.0	19.0	270			

02/21/2017

CLASSIC AC1 BASE COVER

REV. DATE REVISI□N ATS-SALES

CUSTOMER: MAST ARM POLE DETAILS NORTH MAIN ST. (US 17A) & BERLIN G. MYERS PKWY. TOWN OF SUMMERVILLE BERKELEY COUNTY, SC

Prepared For:

valmont**∛**, Valley,NE 68064 POLES (402) 359-2201 02/21/17

15058-1

- 130 MPH - 25 YEAR RECURRENCE - FATIGUE CATEGORY II - NO GALLOPING LOADS - WORST CASE OF ACTUAL LOADS -VS- STANDARD LOADS

- AASHTO 6TH EDITION

DESIGN BASED ON:

DETAIL 8

SCET

SC 165 (Berlin G. Myers Parkway) Berkeley County Reviewed By: Rick Reiff

MAST ARM POLE DETAIL

US 17A (North Main Street)

Summerville, SC

RKA Project Number: 16307.00

Description of Revison

District 6 Plan Date: January 11, 2017 Prepared By: Matt Fleming 2 Rev. No. By Date

Prepared By: RAMEY KEMP ASSOCIATES 7301 Rivers Avenue Suite 242 North Charleston, SC 29406 P: 843.614.3800 www.rameykemp.com