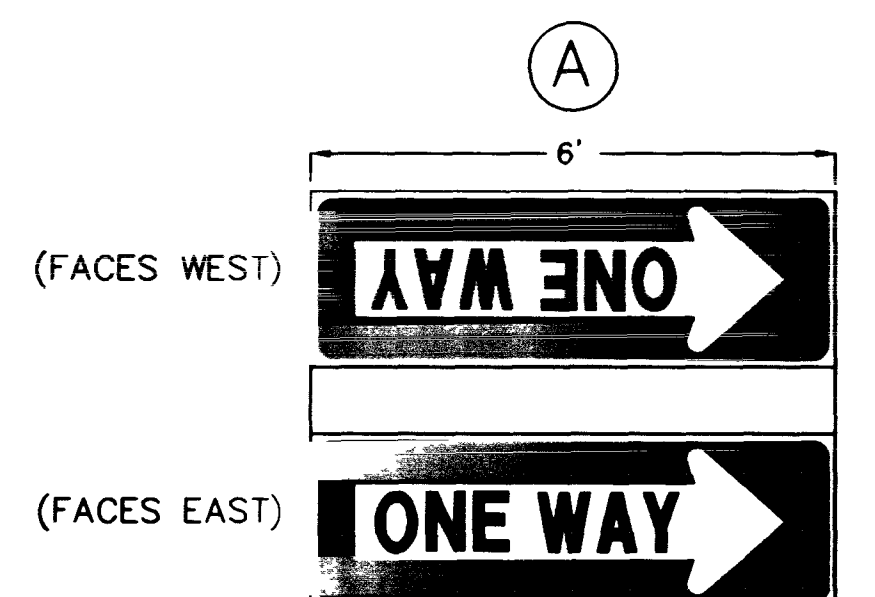
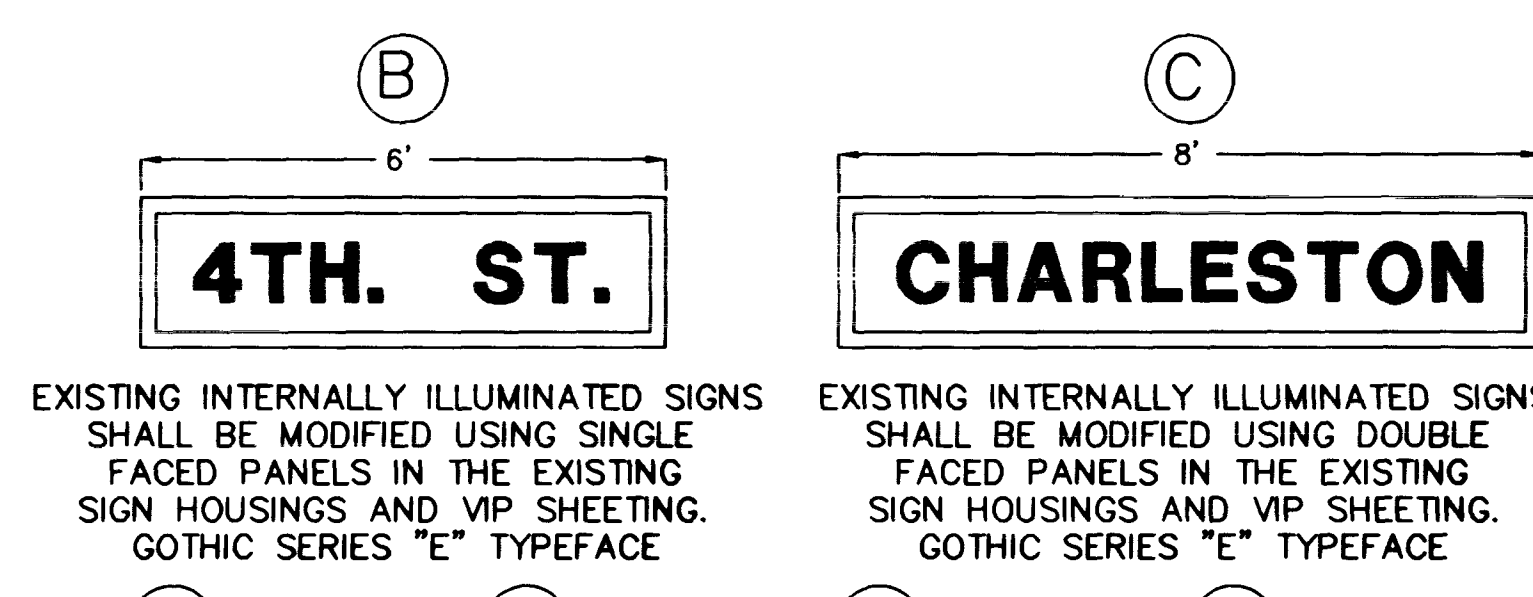


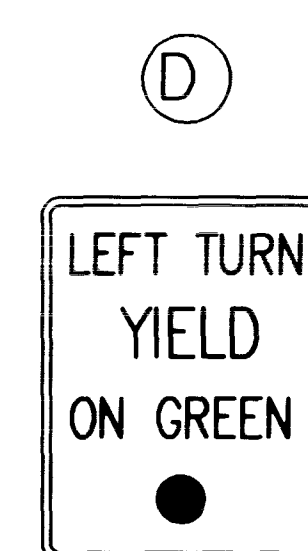


EXISTING INTERNALLY ILLUMINATED
DOUBLE FACED SIGNS
TO REMAIN



EXISTING INTERNALLY ILLUMINATED SIGNS
SHALL BE MODIFIED USING SINGLE
FACED PANELS IN THE EXISTING
SIGN HOUSINGS AND VIP SHEETING.
GOTHIC SERIES "E" TYPEFACE

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EXISTING TO BE RELOCATED 7

POLE SCHEDULE [7]															
P O L E	LOCATION STATION	TYPE	POLE				SIGNALS (VEH.)		SIGNALS (PED.)		PED. PUSH BUTTONS		REMARKS		
			SIGNAL		ARM		LUMINAIRE ARM		TYPE	QUAD	TYPE	QUAD		QUAD	ARROW
			QUAD	LNG.	QUAD	LNG.	QUAD	LNG.							
(A)	EXISTING	XX	4	50 [2]	4	—	(2)M2 B-1T	MA 3	EXIST.	EXIST.	EXIST.	EXIST.	[2]		
(B)	EXISTING	XX	1	—	1	—	(2)M2	MA	—	—	—	—	[4]		
(C)	EXISTING	XX	2	—	2	—	(2)M2 SEE [7] B-1T	MA MA 4	EXIST.	EXIST.	EXIST.	EXIST.	[7]		
(D)	REMOVE	XX	—	—	—	—	—	—	—	—	—	—	[10]		
(E)	EXISTING	1-A	—	—	—	—	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	[3]		
(F)	50+92, 37.5' RT	*1-A	—	—	—	—	A-2T*	POST TOP *	W-3T*	2*	1*	RT* LT*			
(G)	REMOVE	1-A	—	—	—	—	—	—	—	—	—	—			
(H)	EXISTING	1-A	—	—	—	—	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	[5]		
(K)	49+23, 42' LT	*1-B	—	—	—	—	—	—	W-2T*	*POST	2*	LT*			

* DESIGNATES NEW EQUIPMENT. ALL OTHERS ARE EXISTING EQUIPMENT EITHER TO REMAIN OR TO BE RELOCATED ACCORDING TO THE PLAN.

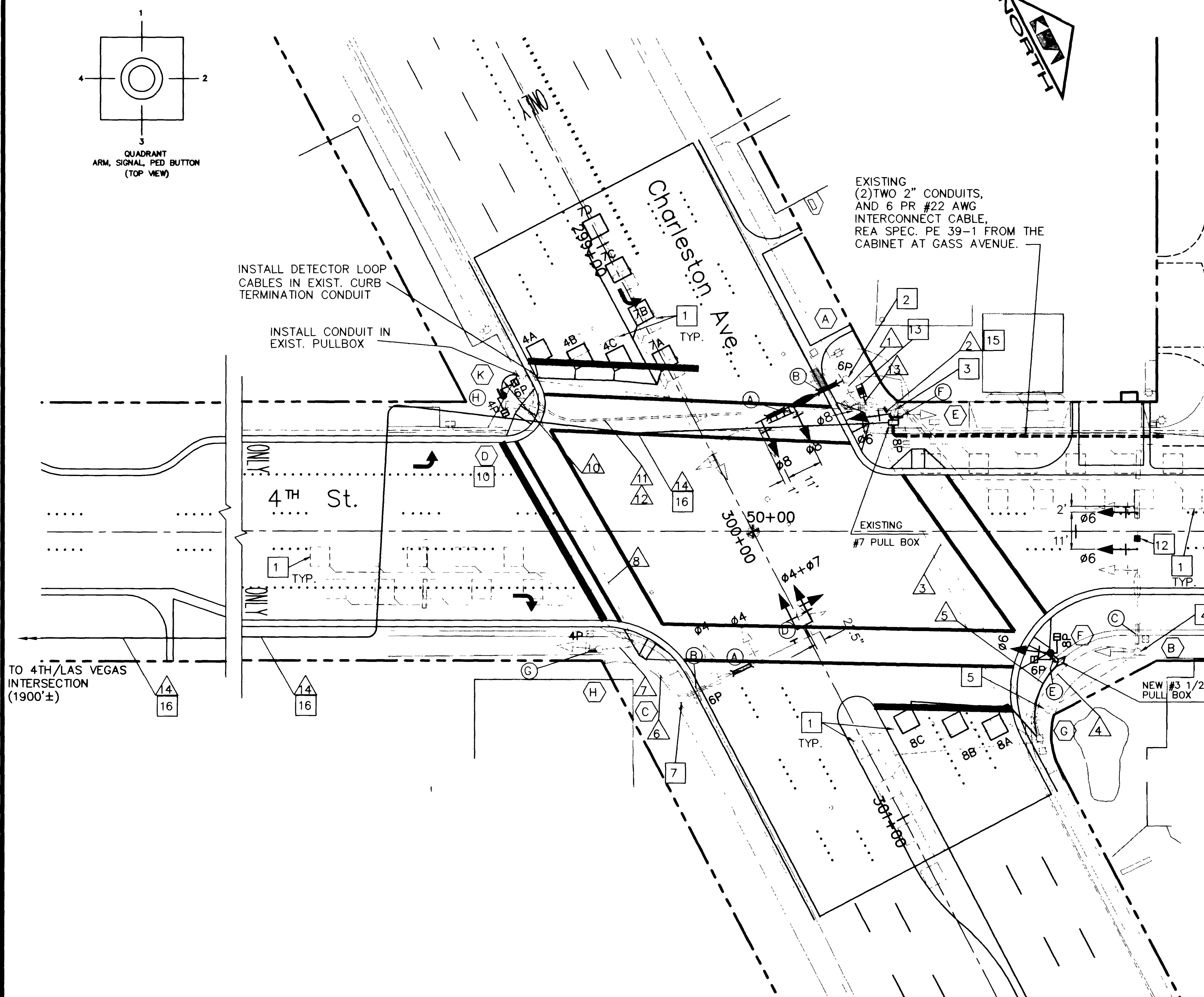
ALL MAST ARM HEADS SHALL BE ROTATED TO A HORIZONTAL POSITION.

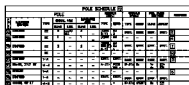
- 1 ABANDON IN PLACE
- 2 REMOVE AND SALVAGE THE EXISTING MAST ARM, SIGNAL HEADS, INTERNALLY ILLUMINATED SIGNS A & B, R3-2 SIGN AND ALL MOUNTING ASSEMBLIES. PROTECT AND REUSE EXIST. CONDUCTORS. RETURN SALVAGED EQUIPMENT TO 3100 EAST BONANZA. INSTALL A PREVIOUSLY SALVAGED 30' MAST ARM TO BE MADE AVAILABLE BY THE CITY OF LAS VEGAS. REMOVE EXIST. TENONS, PLUG HOLES AND PROVIDE NEW TENONS AT LOCATIONS SHOWN ON PLAN. INSTALL THE SALVAGED SIGNAL HEADS AT THE DIMENSIONS SPECIFIED, SALVAGED SIGNS A & B, SALVAGED R3-2 SIGN AND INSTALL NEW R3-4 SIGN.
- 3 REASSEMBLE THE EXISTING VEHICULAR SIGNAL HEAD TO FACE NORTHBOUND TRAFFIC. REWIRE AS REQUIRED.
- 4 RELOCATE VEHICULAR SIGNALS ON THE MAST ARM AT THE DIMENSIONS SHOWN. REMOVE EXIST. TENONS, PLUG HOLES AND PROVIDE NEW TENONS AT LOCATIONS SHOWN ON PLAN. REMOVE AND SALVAGE THE EXIST. POLE MOUNTED VEHICULAR SIGNAL, PEDESTRIAN SIGNAL, PEDESTRIAN PUSH BUTTON AND SIGN, AND ALL MOUNTING ASSEMBLIES. PLUG HOLES IN SIGNAL POLE TO THE SATISFACTION OF THE ENGINEER.
- 5 REMOVE AND SALVAGE THE EXISTING POLE, PEDESTRIAN SIGNAL, PEDESTRIAN PUSH BUTTONS AND SIGNS, AND ALL MOUNTING ASSEMBLIES. CUT FOUNDATION AND REINFORCEMENT TO 18" BELOW GRADE.
- 7 REMOVE THE 5-SECTION CLUSTER SIGNAL. REASSEMBLE IT IN 5 HORIZONTAL SECTIONS, RED BALL, YELLOW BALL, YELLOW ARROW, GREEN ARROW, GREEN BALL, WITH APPROPRIATE BACK PLATE, RELOCATE SIGN D TO BE ADJACENT TO THE HORIZONTAL SIGNAL. INSTALL THE SIGNAL ON TWO TENONS, ONE BETWEEN THE FIRST TWO SIGNAL SECTIONS AND ONE BETWEEN THE LAST TWO SIGNAL SECTIONS. THE FIRST TENON WILL BE 21.5" FROM THE END OF THE MAST ARM. THE TENONS WILL BE APPROXIMATELY 40.5" APART. REMOVE EXIST. TENONS AND PLUG HOLES. RELOCATE EXIST. OPTICOM DETECTOR TO NEW 5 SECTION HORIZONTAL SIGNAL HEAD. EXIST. INTERNALLY ILLUMINATED SIGNS A & B TO REMAIN.
- 9 REMOVE AND SALVAGE THE EXISTING POLE, MAST ARM, DAVIT ARM AND LUMINAIRE, VEHICULAR SIGNALS, PEDESTRIAN SIGNALS, PUSH BUTTONS AND SIGNS AND ALL MOUNTING ASSEMBLIES. RETURN THE POLE, MAST ARM, DAVIT ARM AND LUMINAIRE, AND VEHICULAR SIGNALS TO 3100 EAST BONANZA. REMOVE THE FOUNDATION.
- 10 REMOVE AND SALVAGE EXISTING POLE D AND ASSOCIATED EQUIPMENT. CUT EXISTING FOUNDATION AND REINFORCEMENT TO 18" BELOW GRADE.
- 12 INSTALL NEW OPTICOM MODEL M521 DETECTOR ON MAST ARM.
- 13 INSTALL ANCILLARY POWER SOURCE AND CONNECT TO EXIST. CONTROLLER CABINET.
- 15 WIRE INTERCONNECT CABLE (EXIST. AND NEW) TO CONTROLLER.
- 16 INSTALL 3" INTERCONNECT CONDUIT WITH 25 PAIR #22 AWG INTERCONNECT CABLE FROM 4TH/LAS VEGAS INTERSECTION TO EXIST. CONTROLLER.

		CONDUIT AND NEW WIRE SCHEDULE																				
WIRE & CABLE	FROM	TO	CONDUIT																			
			1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	18"	19"	20"
1-15 COND. #14 AWG	CABINET	POLE E	X																			
1-15 COND. #14 AWG	CABINET	POLE F		X		X																
1-15 COND. #14 AWG	CABINET	POLE K									X		X									
OPTICOM CABLE	CABINET	POLE B		X	X																	
1 LOOP LEAD	CABINET	LOOPS 7A,7B, 7C, 7D										X										
1 LOOP LEAD	CABINET	LOOPS 4A THRU 4C										X										
1 LOOP LEAD	CABINET	LOOPS 8A THRU 8C		X																		
#10 AWG POWER CABLE	CABINET	AUX. POWER SOURCE												X								
25 PAIR #22 AWG INTERCONNECT CABLE	CABINET	CABINET AT 4TH/LAS VEGAS INTERSECTION		X											X							
CONDUIT SIZE (INCHES)			E	E	E	E	2"	E	E	2"	2"	E	E	2"	3"							

NOTE:

1. A #8 GREEN BOND GROUND WIRE SHALL BE RUN FROM THE CONTROLLER CABINET TO THE BASE OF EACH NEW POLE.
2. E DENOTES EXISTING CONDUIT. CONDUIT SIZE DESIGNATES NEW CONDUIT TO BE INSTALLED BY CONTRACTOR.
3. THE CONTRACTOR SHALL MAINTAIN EXISTING SIGNAL CABLE TO EXISTING POLES WHICH ARE TO REMAIN.
4. THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING LOOP LEADS FOR NEW LOOPS.
5. MAINTAIN EXISTING ADVANCE LOOPS SET BACK 250' ON CHARLESTON FROM INTERSECTION CENTER LINE.





TS-5