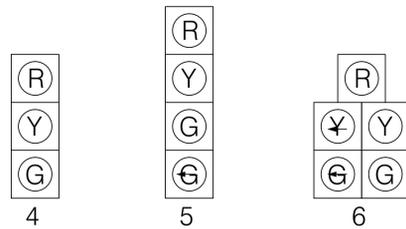


SIGNAL POLE LEGEND													
NO.	STANDARD				SIGNAL MOUNTING				EVP DIST. FROM POLE	TRAFFIC SIGN MOUNTING			
	TYPE	POLE HEIGHT	ARM LENGTH	FOUNDATIO-N	DISTANCE FROM POLE					DISTANCE FROM POLE			
(A)	MP-1	20	56,50	PF-8	23/30	33/40	37/53	40	52,53/46	19/26	28		
(B)	MP-1	20	56	PF-8	22	34	47		43	19			
(C)	PF-2	8	N/A	PF-2									
(D)	PF-2	8	N/A	PF-2									
(E)	PF-2	8	N/A	PF-2									

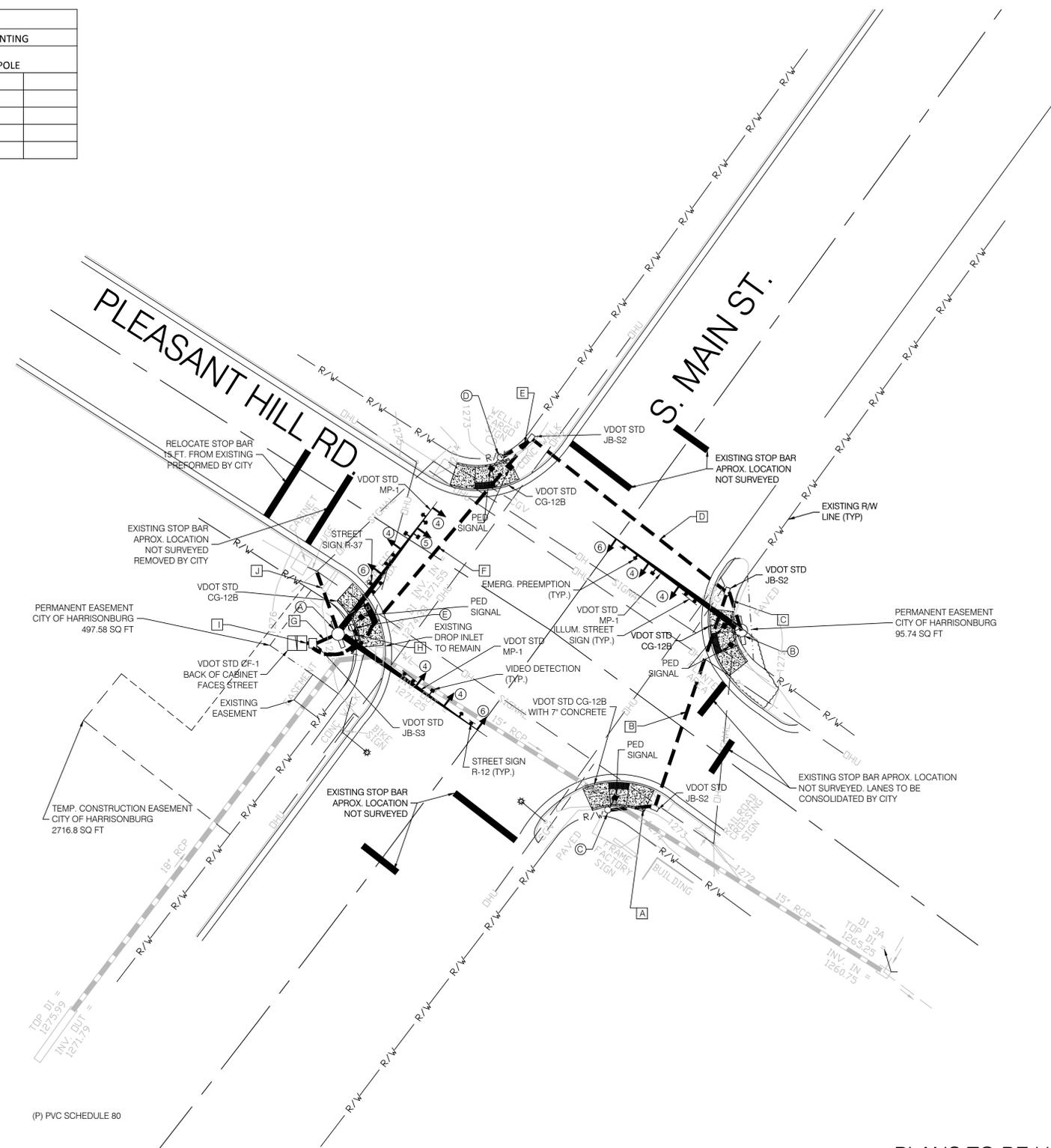
**GENERAL NOTES:**

- INSTALL SE-3 TYPE B UNDERGROUND ELECTRICAL SERVICE WITH METER BASE FROM EXISTING CONTROLLER TO NEW CONTROLLER.
- REMOVE EXISTING POLE, SIGNAL HEADS, AND SIGNS FOLLOWING INSTALLATION OF THE POLES AND NEW VEHICULAR SIGNAL HEADS.
- REMOVE EXISTING CABINET AND FOUNDATION.
- RETURN EXISTING CABINET, SIGNAL HEADS, POLES, AND MAST ARMS TO CITY OF HARRISONBURG'S PUBLIC WORKS DEPARTMENT.
- ALL VEHICULAR SIGNAL HEADS SHALL BE POWERED BY \*14/7C CABLE.
- ALL PEDESTRIAN PUSH BUTTONS SHALL BE POWERED BY \*14/3C CABLE.
- ALL VIDEO DETECTION SHALL BE POWERED BY \*18/5C SIAMESE CABLE.
- ALL EMERGENCY VEHICLE PREEMPTORS SHALL BE WIRED WITH EMERGENCY VEHICLE PREEMPTION DETECTOR CABLE AND \*14/2C SHIELDED CABLE (FOR THE CONFIRMATION BEACON)
- ALL LED-LIGHTED STREET NAME SIGNS SHALL BE POWERED BY \*14/3C CABLE.
- SIGNAL HEADS SHALL NOT BE WIRED IN SEQUENCE. EACH VEHICULAR OR PEDESTRIAN SIGNAL HEAD SHALL HAVE A SEPARATE CABLE.
- SURVEY ON THIS PROJECT WAS PERFORMED BY CITY SURVEYOR, CHARLIE WINGARD. CONTACT CITY OF HARRISONBURG PUBLIC WORKS DEPARTMENT, (540) 434-5928, FOR LAYOUT DURING CONSTRUCTION.
- ALL TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE VIRGINIA WORK AREA PROTECTION MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PF-8 FOUNDATION DESIGN. THIS DESIGN SHALL BE FOR A 70' MAST ARM. SUBMIT TO CITY FOR REVIEW PRIOR TO ORDERING REINFORCING CAGE.
- CONTRACTOR SHALL PROVIDE AND INSTALL ILLUMINATED STREET SIGNS PER CITY STANDARD.
- COST FOR GRADING AND EARTHWORK SHALL BE INCLUDE IN UNIT PRICE FOR OTHER ITEMS
- HANDICAP RAMPS NIC, WORK WILL BE PERFORMED BY CITY AFTER SIGNAL CONSTRUCTION IS COMPLETE
- CONDUIT FOR ELECTRIC SERVICE SHALL BE 1 1/4" METAL CONDUIT WHERE EXPOSED ALONG POWER POLE.

**PROPOSED SIGNAL HEADS**



CONDUIT SCHEDULE											
CONDUIT	RUN NO.										
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
SIZE	(1) 1" (1) 2"	(1) 1" (2) 2"	(1) 1" (2) 2" (1) 3"	(2) 2" (1) 3"	(1) 1" (1) 2"	(2) 2" (1) 3"	(1) 1" (2) 2" (1) 3"	(1) 1" (1) 2"	(2) 1" (4) 2" (4) 3"	(1) 2"	
TYPE	P	P	P	P	P	P	P	P	P	P	
INSTALLATION	ECI-1	BORED	ECI-1	BORED	ECI-1	BORED	ECI-1	ECI-1	ECI-1	ECI-1	
AWG 8	1C 2C(S)		1	1		1	3		3	3	
AWG 14	3C	1	1	3	4	2	6	3	1	10	
	7C	1	1	5	6	2	8	7	1	16	
AWG 18	5C		1	1		1	3		4		
EMERG. PREMP. CABLE			1	1		1	3		4		
AWG 6 BONDED WIRE	1	1	1	1	1	1	1	1	1		



PLANS TO BE USED FOR BIDDING PURPOSES ONLY

REV	DATE	DESCRIPTION	BY	SCALE:	1" = 20'
1	12/26/13	Electrical Service Conduit	DJD	DRAWN BY	DATE
				BR	TBD
				DESIGNED BY	DATE
				DJD	TBD
				CHECKED BY	DATE
				TAH	TBD
				TAX MAP	

**SOUTH MAIN & PLEASANT HILL  
SIGNAL UPGRADE**

PUBLIC WORKS DEPARTMENT  
CITY OF HARRISONBURG  
320 EAST MOSBY ROAD  
HARRISONBURG, VIRGINIA

SITE PLAN AND NOTES

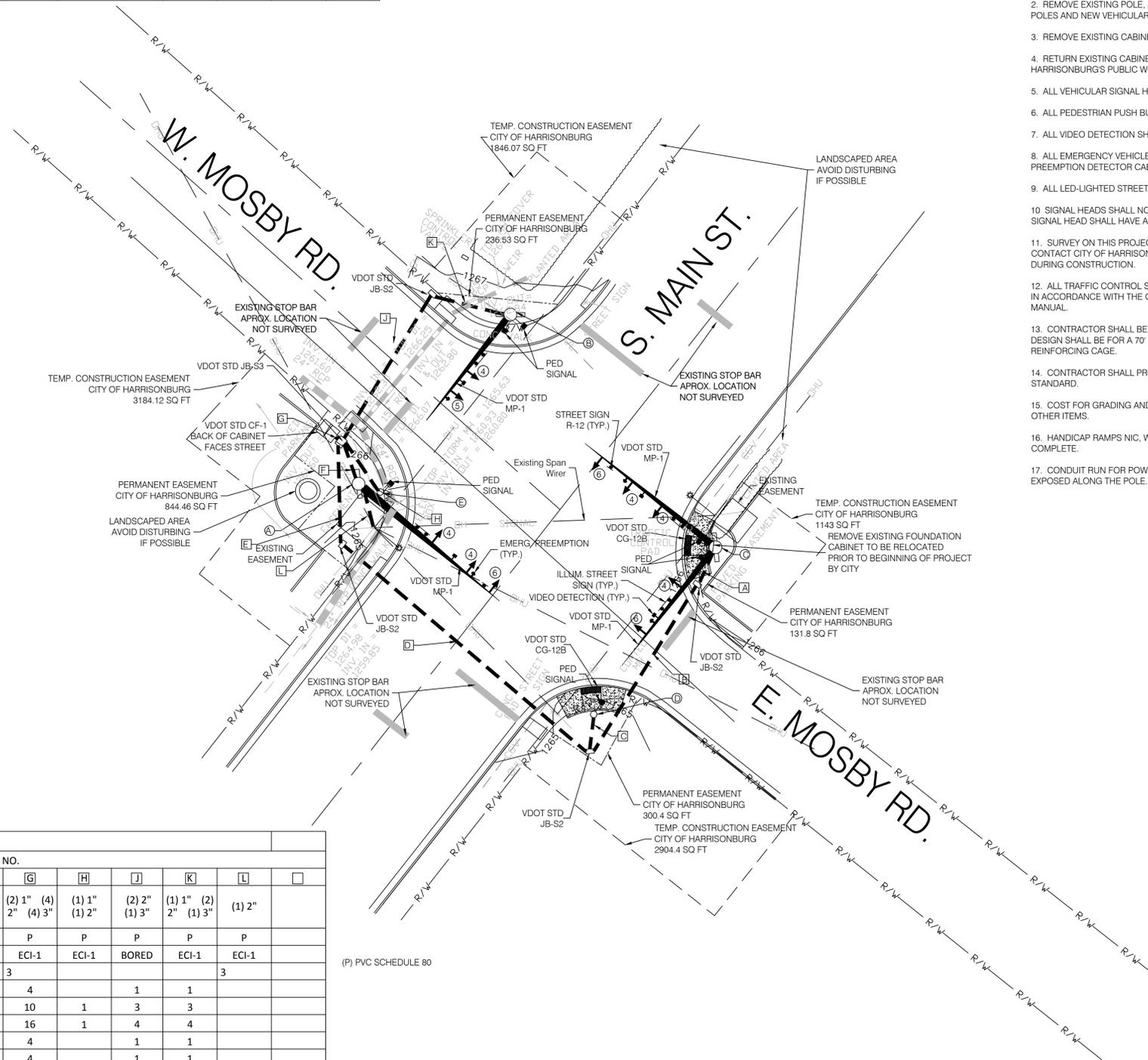
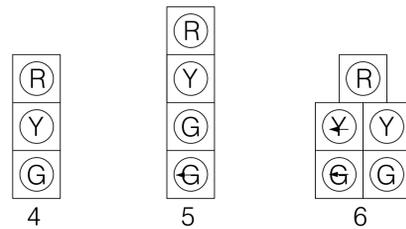
SHEET  
**1**

SIGNAL POLE LEGEND											
NO.	STANDARD TYPE	POLE HEIGHT	ARM LENGTH	FOUNDATI-ION	SIGNAL MOUNTING			EVP DIST. FROM POLE	TRAFFIC SIGN MOUNTING		
					DISTANCE FROM POLE				DISTANCE FROM POLE		
(A)	MP-1	20	56	PF-8	30	44	53	48	25		
(B)	MP-1	20	40	PF-8	23	31		33	17		
(C)	MP-1	20	50/46	PF-8	21/17	33/40	45	36/40	24/14		
(D)	PF-2	8	N/A	PF-2							
(E)	PF-2	8	N/A	PF-2							

GENERAL NOTES:

- INSTALL SE-3 TYPE B UNDERGROUND ELECTRICAL SERVICE WITH METER BASE FROM EXISTING POWER POLE TO NEW CONTROLLER.
- REMOVE EXISTING POLE, SIGNAL HEADS, AND SIGNS FOLLOWING INSTALLATION OF THE POLES AND NEW VEHICULAR SIGNAL HEADS.
- REMOVE EXISTING CABINET AND FOUNDATION.
- RETURN EXISTING CABINET, SIGNAL HEADS, POLES, AND MAST ARMS TO CITY OF HARRISONBURG'S PUBLIC WORKS DEPARTMENT.
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- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PF-8 FOUNDATION DESIGN. THIS DESIGN SHALL BE FOR A 7' MAST ARM. SUBMIT TO CITY FOR REVIEW PRIOR TO ORDERING REINFORCING CAGE.
- CONTRACTOR SHALL PROVIDE AND INSTALL ILLUMINATED STREET SIGNS PER CITY STANDARD.
- COST FOR GRADING AND ALL OTHER EARTHWORK SHALL BE INCLUDED IN UNIT PRICE FOR OTHER ITEMS.
- HANDICAP RAMPS NIC, WORK WILL BE PERFORMED BY CITY AFTER SIGNAL CONSTRUCTION IS COMPLETE.
- CONDUIT RUN FOR POWER SERVICE SHALL BE 1 1/4" METAL CONDUIT WERE CONDUIT IS EXPOSED ALONG THE POLE.

PROPOSED SIGNAL HEADS



CONDUIT SCHEDULE												
CONDUIT	RUN NO.											
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)	(K)	(L)	( )
SIZE	(1) 1" (2) 2" (1) 3"	(2) 2" (1) 3"	(1) 1" (1) 2"	(2) 2" (1) 3"	(2) 2" (1) 3"	(1) 1" (2) 2" (1) 3"	(2) 1" (2) 2" (4) 3"	(1) 1" (1) 2"	(2) 2" (1) 3"	(1) 1" (2) 2" (1) 3"	(1) 2"	
TYPE	P	P	P	P	P	P	P	P	P	P	P	
INSTALLATION	ECI-1	BORED	ECI-1	BORED	ECI-1	ECI-1	ECI-1	ECI-1	BORED	ECI-1	ECI-1	
AWG 8	1C					3	3				3	
AWG 14	2C(S)	2	2		2	2	1	4		1	1	
	3C	4	4	1	5	5	1	10	1	3	3	
	7C	7	7	1	8	8	3	16	1	4	4	
AWG 18	5C	2	2		2	2	1	4		1	1	
EMERG. PREMP. CABLE	2	2		2	2	2	1	4		1	1	
AWG 6 Bonded Wire	1	1	1	1	1	1	1	1	1	1	1	

PLANS TO BE USED FOR BIDDING PURPOSES ONLY

REV	DATE	DESCRIPTION	BY	SCALE:
1	12/26/13	Electrical Service Conduit	DJD	1" = 20'
				DRAWN BY: BR
				DATE: TBD
				DESIGNED BY: DD
				DATE: TBD
				CHECKED BY: TAH
				DATE: TBD
				TAX MAP

SOUTH MAIN & MOSBY  
SIGNAL UPGRADE  
PUBLIC WORKS DEPARTMENT  
CITY OF HARRISONBURG  
320 EAST MOSBY ROAD  
HARRISONBURG, VIRGINIA

SITE PLAN AND NOTES

SHEET  
**2**