

NOTE

COORDINATION TIMING SHOULD BE OBTAINED FROM EXISTING CONTROLLER

REMOVALS

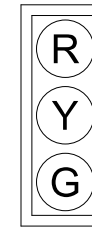
1. CONTROLLER
2. VEHICULAR SIGNAL HEADS (6)
3. PEDESTRIAN SIGNAL HEADS (4)
4. PEDESTRIAN PUSHBUTTONS (2)

PROPOSED WORK

1. REPLACE CONTROLLER
2. REPLACE VEHICULAR SIGNALS
3. REPLACE PEDESTRIAN SIGNALS
4. REPLACE PUSH BUTTONS
5. INSTALL GPS TIME CLOCK

AFTER REMOVAL, THESE ITEMS ARE TO BE RETURNED TO MT. HEALTHY FOR STORAGE.

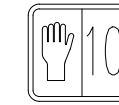
**EXISTING SIGNALS
(TO BE REPLACED)**



2A,2B

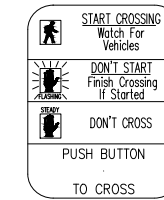


4A,4B,6A,6B

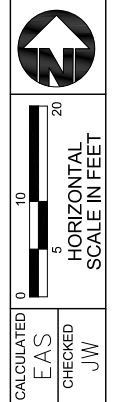


PH2A, PH2B
PH4A, PH4B

PROPOSED SIGN



PB4A,PB4B
2 LEFT



ITEM	DESCRIPTION	UNIT	QUANT
632	VEHICULAR SIGNAL HEAD, MISC.: 3-SECTION VEH SIGNAL HEAD, (LED), 12" LENS, 1-WAY, W/ BACKPLATE	EACH	2
632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	EACH	4
632	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	EACH	4
632	PEDESTRIAN PUSHBUTTON, AS PER PLAN	EACH	2
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, CONTROLLER	EACH	1
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, VEHICULAR SIGNAL HEADS	EACH	6
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, PEDESTRIAN SIGNAL HEADS	EACH	4
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, PEDESTRIAN PUSH BUTTON	EACH	2
633	CONTROLLER UNIT, TYPE 2070E WITH 2070-1C CPU, AS PER PLAN	EACH	1
633	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY	EACH	1
633	CONTROLLER ITEM MISC; DC ISOLATOR	EACH	2
633	CONTROLLER ITEM MISC; LOAD SWITCH	EACH	5
633	CONTROLLER ITEM MISC; MERCURY RELAY	EACH	1
633	CONTROLLER ITEM MISC; CONFLICT MONITOR	EACH	1

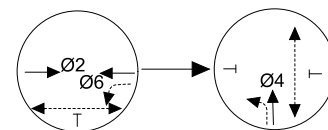
TRAFFIC SIGNAL CONTROLLER TIMING CHART

INTERSECTION: COMPTON RD. & FOREST AVE.
MAINTAINING AGENCY: MT. HEALTHY

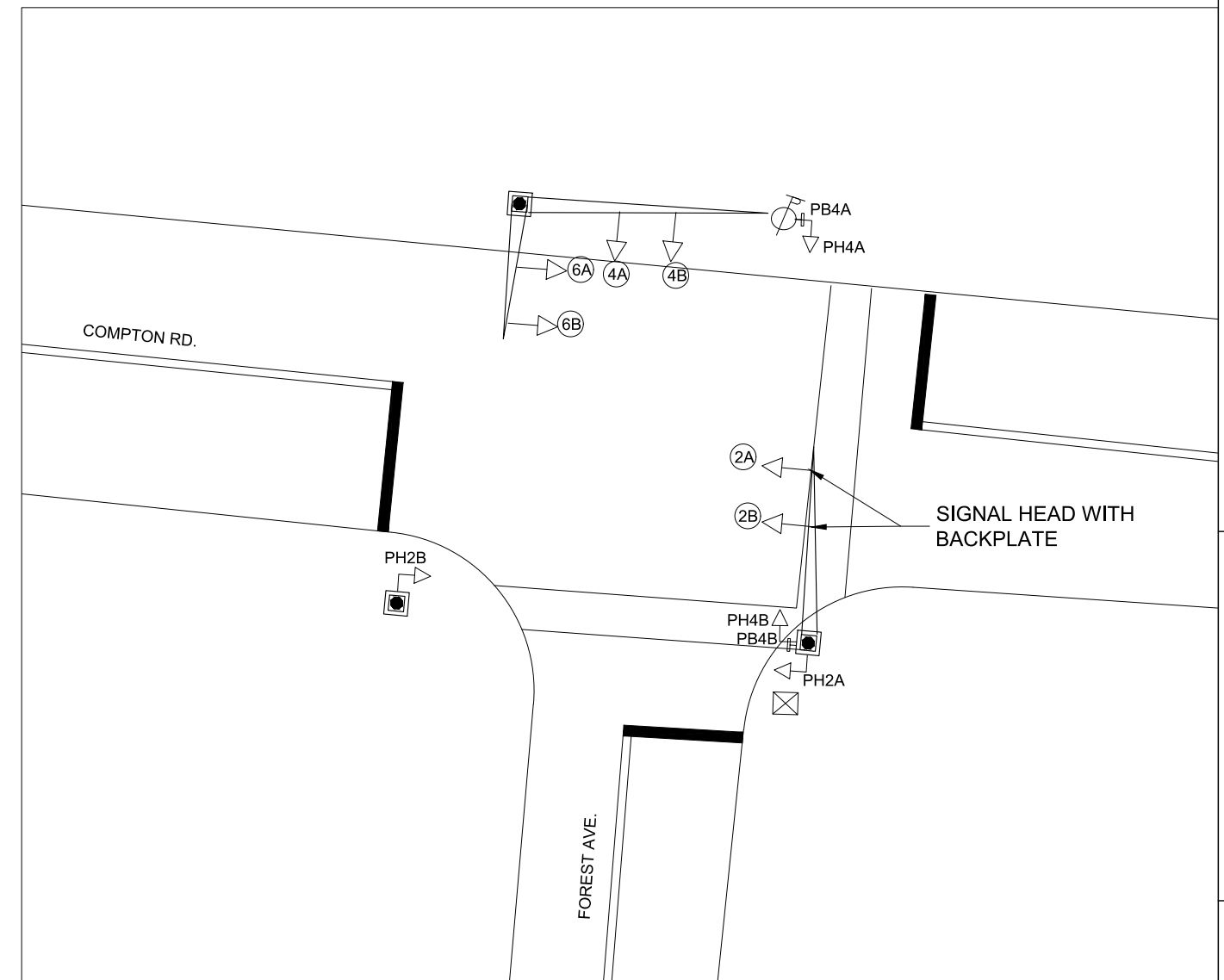
START UP
START IN: Y/R FLASH ⊗; ALL RED ○
TIME FOR FLASH OR ALL RED 10 SEC.
FIRST PHASE 2+6
COLOR DISPLAYED: GREEN ⊗; YELLOW ○

DUAL ENTRY ⊗ 2+6, 4+8
REST IN RED: R1○; R2○

INTERVAL OR FEATURE	CONTROLLER MOVEMENT			
	2	4	6	8
INTERSECTION MOVEMENT	EB	NB	WB	
MINIMUM GREEN (INITIAL) (SEC.)	20	7	20	
ADDED INITIAL (sec./actuation)				
PASSAGE TIME (PRESET GAP)	3	3	3	
MINIMUM GAP (SEC.)	0	0	0	
TIME TO REDUCE (SEC.)				
MAXIMUM GREEN I (SEC.)	60	40	60	
MAXIMUM GREEN II (SEC.)				
YELLOW CHANGE (SEC.)	3.0	3.0	3.0	
ALL RED CLEARANCE (SEC.)	2.5	2.5	2.5	
WALK (SEC.)	7	7		
PEDESTRIAN CLEARANCE (SEC.)	9	8		
RECALL	MAXIMUM (ON/OFF)	ON	OFF	ON
	MINIMUM (ON/OFF)	OFF	OFF	OFF
	PEDESTRIAN (ON/OFF)	ON	OFF	OFF
MEMORY (ON/OFF)	OFF	OFF	OFF	
CALL TO NON-ACTUATED	No 1			
	No 2			



PHASING DIAGRAM



TRAFFIC SIGNAL PLAN
COMPTON RD. & FOREST AVE.

HAM-MT HEALTHY SIGNALS

NOTE

COORDINATION TIMING SHOULD BE OBTAINED FROM EXISTING CONTROLLER

REMOVALS

1. CONTROLLER
2. VEHICULAR SIGNAL HEADS (8)
3. PEDESTRIAN SIGNAL HEADS (8)
4. PEDESTRIAN PUSHBUTTONS (4)

PROPOSED WORK

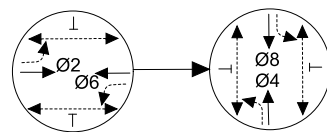
1. REPLACE CONTROLLER
2. REPLACE VEHICULAR SIGNALS
3. REPLACE PEDESTRIAN SIGNALS
4. REPLACE PUSH BUTTONS
5. INSTALL GPS TIME CLOCK

AFTER REMOVAL, THESE ITEMS ARE TO BE RETURNED TO MT. HEALTHY FOR STORAGE.

ITEM	DESCRIPTION	UNIT	QUANT
632	VEHICULAR SIGNAL HEAD, MISC.: 3-SECTION VEH SIGNAL HEAD, (LED), 12" LENS, 1-WAY, W/ BACKPLATE	EACH	2
632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	EACH	6
632	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	EACH	8
632	PEDESTRIAN PUSHBUTTON	EACH	4
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, CONTROLLER	EACH	1
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, VEHICULAR SIGNAL HEADS	EACH	8
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, PEDESTRIAN SIGNAL HEADS	EACH	8
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, PEDESTRIAN PUSHBUTTONS	EACH	4
633	CONTROLLER UNIT, TYPE 2070E WITH 2070-1C CPU, AS PER PLAN	EACH	1
633	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY	EACH	1
633	CONTROLLER ITEM MISC; DC ISOLATOR	EACH	3
633	CONTROLLER ITEM MISC; LOAD SWITCH	EACH	9
633	CONTROLLER ITEM MISC; MERCURY RELAY	EACH	1
633	CONTROLLER ITEM MISC; CONFLICT MONITOR	EACH	1

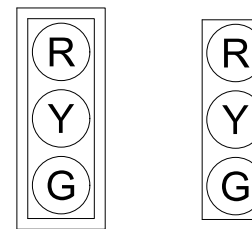
TRAFFIC SIGNAL CONTROLLER TIMING CHART

INTERSECTION: COMPTON RD. & HARRISON AVE. MAINTAINING AGENCY: MT. HEALTHY					
INTERVAL OR FEATURE	CONTROLLER MOVEMENT				
	2	4	6	8	
START UP	DUAL ENTRY ⊗ 2+6, 4+8 REST IN RED: R1○; R2○				
START IN: Y/R FLASH ⊗; ALL RED ○	OVERLAP PHASES				
TIME FOR FLASH OR ALL RED 10 SEC.					
FIRST PHASE 2+6					
COLOR DISPLAYED: GREEN ⊗; YELLOW ○					
INTERSECTION MOVEMENT	EB	NB	WB	SB	
MINIMUM GREEN (INITIAL) (SEC.)	20	7	20	7	
ADDED INITIAL (sec./actuation)					
PASSAGE TIME (PRESET GAP)	3	3	3	3	
MINIMUM GAP (SEC.)	0	0	0	0	
TIME TO REDUCE (SEC.)					
MAXIMUM GREEN I (SEC.)	60	40	60	40	
MAXIMUM GREEN II (SEC.)					
YELLOW CHANGE (SEC.)	3.0	3.0	3.0	3.0	
ALL RED CLEARANCE (SEC.)	2.5	2.5	2.5	2.5	
WALK (SEC.)	7	7	7	7	
PEDESTRIAN CLEARANCE (SEC.)	14	15	15	13	
RECALL	MAXIMUM (ON/OFF)	ON	OFF	ON	OFF
	MINIMUM (ON/OFF)	OFF	OFF	OFF	OFF
	PEDESTRIAN (ON/OFF)	ON	OFF	ON	OFF
MEMORY (ON/OFF)	OFF	OFF	OFF	OFF	
CALL TO NON-ACTUATED	No 1				
	No 2				



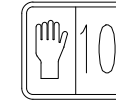
PHASING DIAGRAM

**EXISTING SIGNALS
(TO BE REPLACED)**



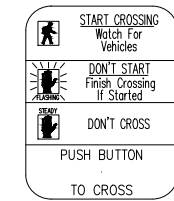
2A, 2B

4A, 4B, 6A, 6B,
8A, 8B

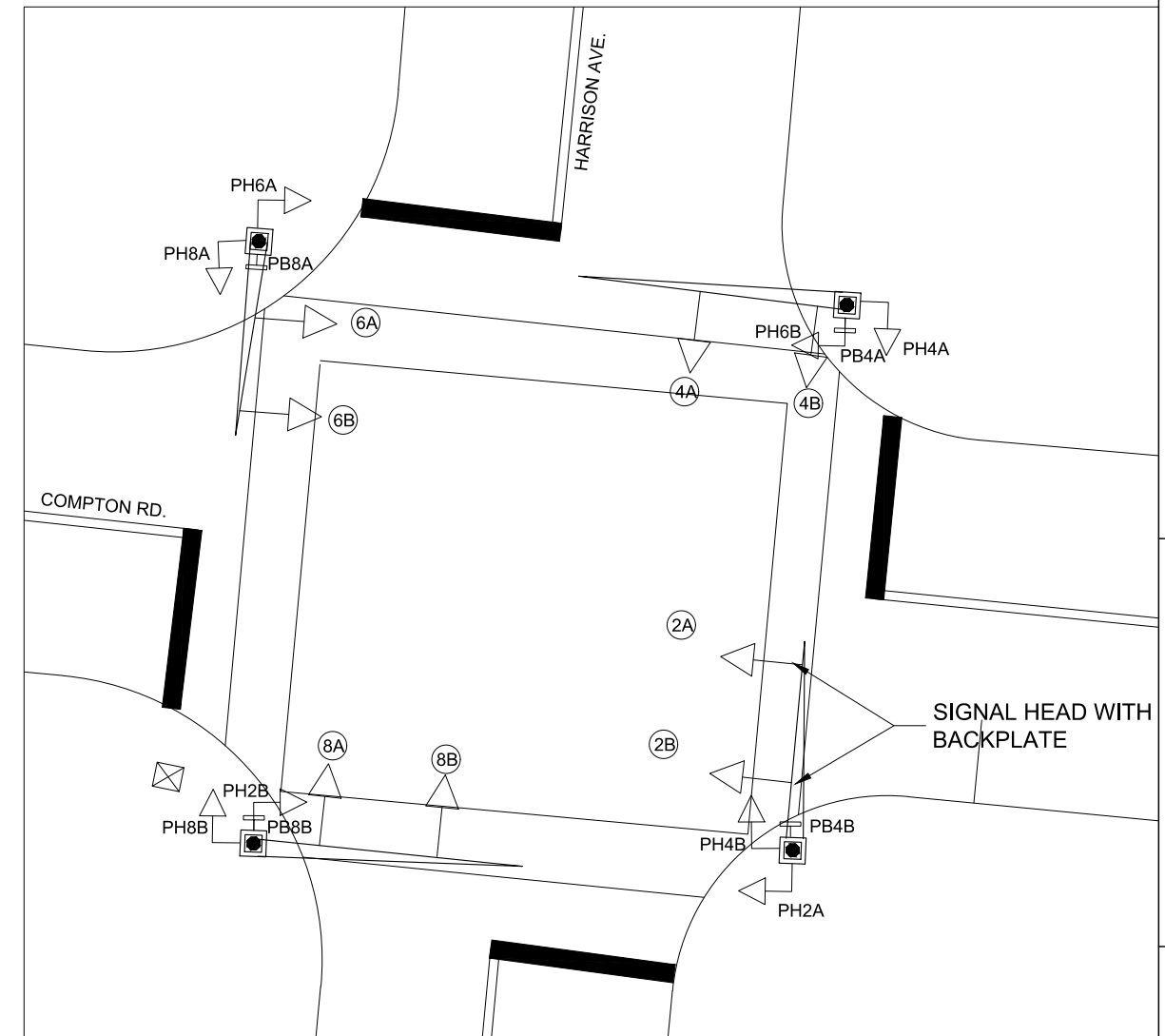


PH2A, PH2B, PH4A, PH4B,
PH6A, PH6B, PH8A, PH8B

PROPOSED SIGN



PH4A, PH4B, PH8A, PH8B
2 LEFT, 2 RIGHT



TRAFFIC SIGNAL PLAN
COMPTON RD. & HARRISON AVE

HAM - MT. HEALTHY SIGNALS

20
24

0 10 20
HORIZONTAL SCALE IN FEET
CALCULATED EAS
CHECKED JW

NOTE
COORDINATION TIMING SHOULD BE OBTAINED FROM EXISTING CONTROLLER

REMOVALS

1. CONTROLLER
 2. VEHICULAR SIGNAL HEADS (8)
 3. PEDESTRIAN SIGNAL HEADS (8)
 4. PEDESTRIAN PUSHBUTTONS (4)
- AFTER REMOVAL, THESE ITEMS ARE TO BE RETURNED TO MT. HEALTHY FOR STORAGE.

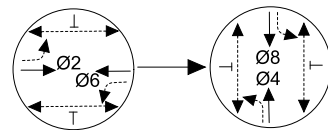
PROPOSED WORK

1. REPLACE CONTROLLER
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5. INSTALL GPS TIME CLOCK

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632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	EACH	6
632	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	EACH	8
632	PEDESTRIAN PUSHBUTTON, AS PER PLAN	EACH	4
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, CONTROLLER	EACH	1
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, VEHICULAR SIGNAL HEADS	EACH	8
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, PEDESTRIAN SIGNAL HEADS	EACH	8
632	REMOVAL OF MISC. TRAFFIC SIGNAL ITEM, PEDESTRIAN PUSHBUTTONS	EACH	4
633	CONTROLLER UNIT, TYPE 2070E WITH 2070-1C CPU, AS PER PLAN	EACH	1
633	GPS (GLOBAL POSITIONING SYSTEM) CLOCK ASSEMBLY	EACH	1
633	CONTROLLER ITEM MISC; DC ISOLATOR	EACH	3
633	CONTROLLER ITEM MISC; LOAD SWITCH	EACH	8
633	CONTROLLER ITEM MISC; MERCURY RELAY	EACH	1
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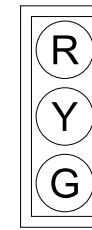
TRAFFIC SIGNAL CONTROLLER TIMING CHART

INTERSECTION: COMPTON RD. & ELIZABETH ST. MAINTAINING AGENCY: MT. HEALTHY						
START UP		DUAL ENTRY ⊗ 2+6, 4+8 REST IN RED: R1○; R2○				
START IN: Y/R FLASH ⊗; ALL RED ○						
TIME FOR FLASH OR ALL RED 10 SEC.						
FIRST PHASE 2+6						
COLOR DISPLAYED: GREEN ⊗; YELLOW ○						
INTERVAL OR FEATURE		CONTROLLER MOVEMENT				
		2	4	6	8	
INTERSECTION MOVEMENT		EB	NB	WB	SB	
MINIMUM GREEN (INITIAL) (SEC.)		20	7	20	7	
ADDED INITIAL (sec./actuation)						
PASSAGE TIME (PRESET GAP)		3	3	3	3	
MINIMUM GAP (SEC.)		0	0	0	0	
TIME TO REDUCE (SEC.)						
MAXIMUM GREEN I (SEC.)		20	40	20	40	
MAXIMUM GREEN II (SEC.)						
YELLOW CHANGE (SEC.)		3.0	3.0	3.0	3.0	
ALL RED CLEARANCE (SEC.)		2.5	2.5	2.5	2.5	
WALK (SEC.)		7.0	7	7.0	7	
PEDESTRIAN CLEARANCE (SEC.)		6.0	10	7.0	10	
RECALL	MAXIMUM (ON/OFF)	OFF	OFF	OFF	OFF	
	MINIMUM (ON/OFF)	OFF	OFF	OFF	OFF	
	PEDESTRIAN (ON/OFF)	ON	OFF	ON	OFF	
MEMORY (ON/OFF)		OFF	OFF	OFF	OFF	
CALL TO NON-ACTUATED	No 1					
	No 2					



PHASING DIAGRAM

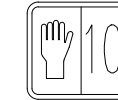
**EXISTING SIGNALS
(TO BE REPLACED)**



2A,2B

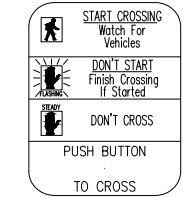


4A,4B,6A,6B,
8A,8B

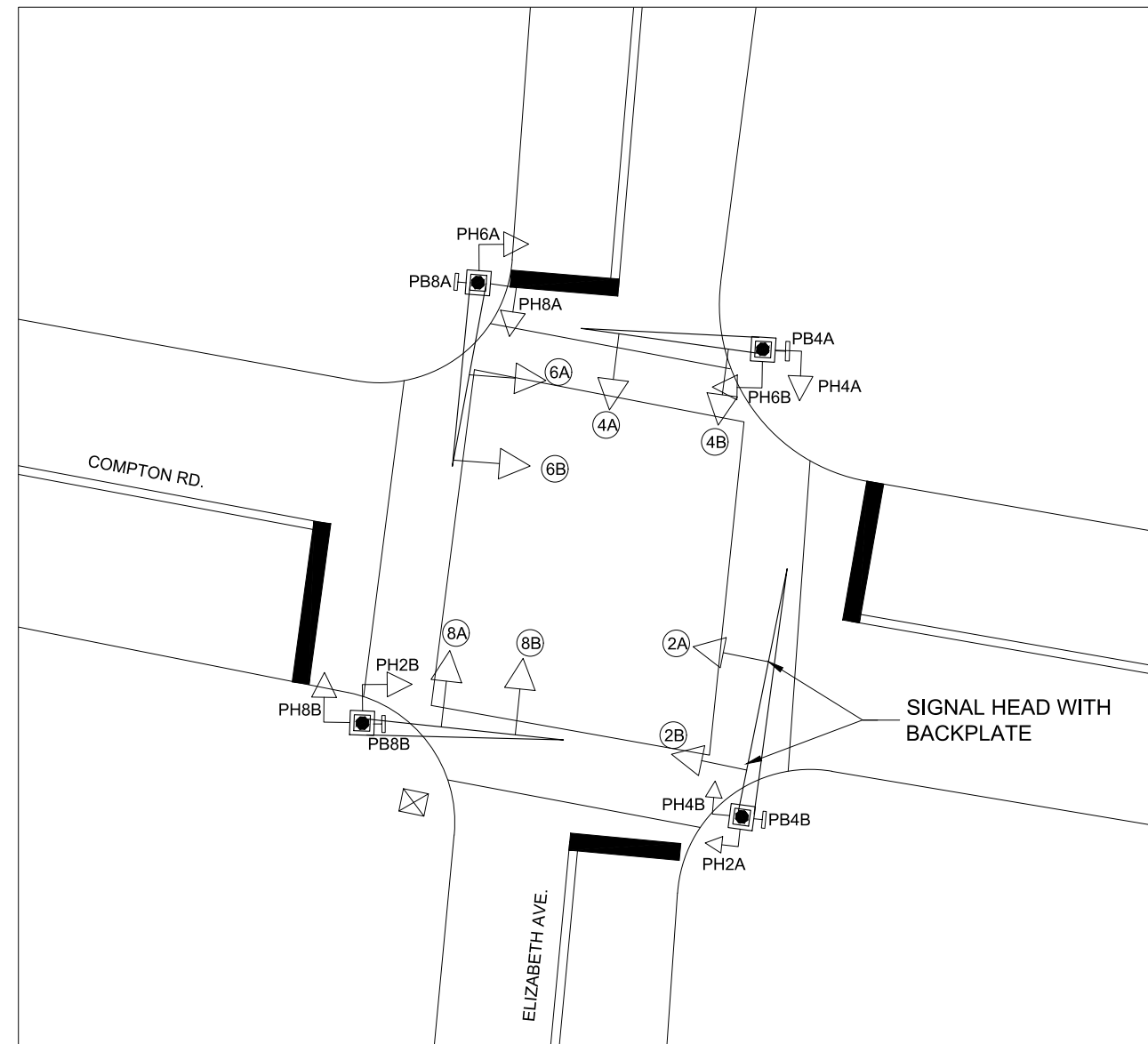


PH2A,PH2B,PH4A,PH4B,
PH6A,PH6B,PH8A,PH8B

PROPOSED SIGN



PB4A,PB4B,PB8A,PB8B
3 RIGHT, 1 LEFT



0 10 20
HORIZONTAL SCALE IN FEET

CALCULATED EAS
CHECKED JWW

TRAFFIC SIGNAL PLAN
COMPTON RD. & ELIZABETH ST.

HAM-MT HEALTHY SIGNALS