Jan 25, 2002 – 13:16:42

NOTES:
1. STATION AND OUTS ARE IN REFERENCE TO U.S. 36.
2. PULLBOXES TO BE CONCRETE, 24".
3. CONDUIT TO BE 713.07, UNLESS OTHERWISE NOTED.
4. CONTROLLER TO BE EXPANSIBLE TO ACCOMODATE FUTURE 8 PHASE ACTUATED OPERATION.
5. HEADS 1A AND 4A PRE-WIRED FOR FUTURE 5-SECTION HEAD.

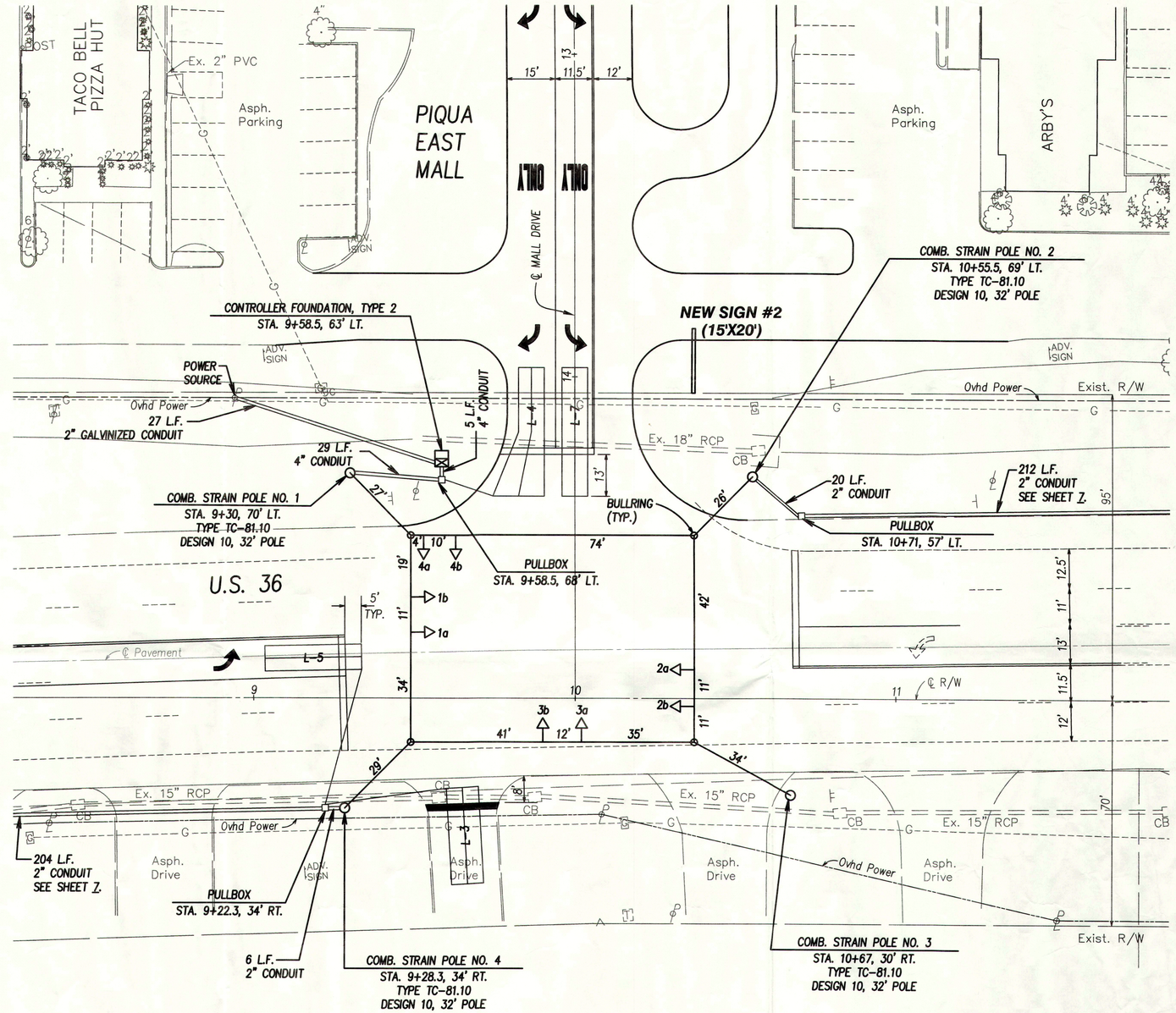
LOOP DETECTOR TABLE

LOOP NO.	SIZE (FT.)	NO. TURNS	SHAPE	DELAY	MODE	MINIMUM	INTERVAL	CONNECT TO UNIT	ASSOC. CONTR. ø	MEMORY
L-2a	6x20	2	RECT.	–	PULSE	–	–	2	2	ON
L-2b	6x20	2	RECT.	–	PULSE	–	–	2	2	ON
L-3	10x30	2-4-2	QUAD.	6 SEC.	PRES.	6 SEC.	1 SEC.	3	3	OFF
L-4	(8+16)x40	2-4-2	QUAD.	6 SEC.	PRES.	6 SEC.	1 SEC.	4	4	OFF
L-5	8x30	2-4-2	QUAD.	–	PRES.	6 SEC.	1 SEC.	5	5	OFF
L-6a	6x20	2	RECT.	–	PULSE	–	–	6	6	ON
L-6a	6x20	2	RECT.	–	PULSE	–	–	6	6	ON
L-7	8x40	2-4-2	QUAD.	–	PRES.	6 SEC.	1 SEC.	7	7	OFF

COLOR SEQUENCE CHART

INDICATION FACING	FLASH	INTERVAL 1	2	3	4	5	6	7	8	9	10
EB – US 36 2a, 2b	Y	G ←G–	G →Y–	G	Y	R	R	R	R	R	R
WB – US 36 1a, 1b	Y	R	R	G	Y	R	R	R	R	R	R
NB – RAX DRIVE 4a, 4b	R	R	R	R	R	R	R	R	G	Y	R
SB – PIQUA EAST MALL 3a, 3b	R	R	R	R	R	R	G ←G–	Y →Y–	R	R	R
PHASE		ø1+6		ø2+6		ALL RED	ø7+4		ø4+8		ALL RED

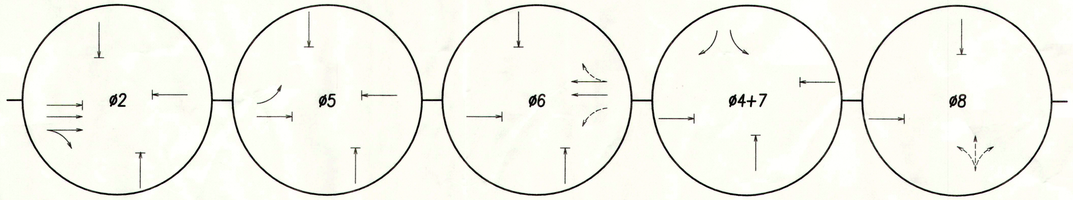
FOR WIRING DIAGRAM, SEE SHEET 4.
FOR LOOP DETECTORS AND INTERCONNECT SEE SHEET 7.



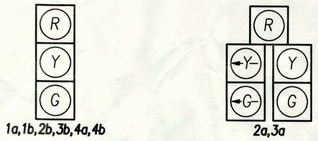
START UP	DUAL ENTRY ●
START IN: Y/R FLASH ○ : ALL RED ●	REST IN RED: RING 1 ● : RING 2 ○
TIME FOR FLASH OR ALL RED _____	OVERLAP A B C D
FIRST PHASE(S) #____ & #____	PHASES
COLOR DISPLAYED: GREEN ● : YELLOW ○	

INTERVAL OR FEATURE	CONTROLLER MOVEMENT NO. 1	2	3	4	5	6	7	8
INTERSECTION MOVEMENT	WB LT	EB	NB LT	SB	EB LT	WB	SB LT	NB
MINIMUM GREEN (INITIAL) (SEC.)		7		7	7	7	7	7
ADDED INITIAL *(SEC/ACTUATION)								
PASSAGE TIME (PRESET GAP)(SEC)				3	3		3	3
TIME BEFORE REDUCTION *(SEC.)								
MIMINUM GAP *(SEC.)								
TIME TO REDUCE *(SEC.)								
MAXIMUM GREEN I (SEC.)		35		20	12	35	20	12
MAXIMUM GREEN II (SEC.)								
YELLOW CHANGE (SEC.)		4		4	4	4	4	4
ALL RED CLEARANCE (SEC.)		1		1		1	1	1
WALK (SEC.)								
PEDESTRIAN CLEARANCE (SEC.)								
RECALL MAXIMUM (ON/OFF)								
RECALL MINIMUM (ON/OFF)		ON		OFF	OFF	ON	OFF	OFF
RECALL PEDESTRIAN (ON/OFF)								
MEMORY (ON/OFF)		ON		OFF	OFF	ON	OFF	OFF
CALL TO NON-ACTUATED NO. 1								
CALL TO NON-ACTUATED NO. 2								

NOTE: TIMING GIVEN FOR 70 SECOND CYCLE MAX. GREEN I TIME FOR MOVEMENT 2 & 6 INCREASES W/CYCLE LENGTH.



PHASING DIAGRAM



PROPOSED VEHICULAR SIGNAL HEADS

U.S. 36 / WEST MALL DRIVE SIGNALIZATION PLAN

U.S. 36 / PIQUA EAST MALL SIGNALIZATION PLANS

CALCULATED NAT CHECKED LLA

HORIZONTAL SCALE IN FEET 0 10 20 40

6/8

0102/SIGNAL/0102TDA.DWG