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TIMING CHART

PHASE	φ1	φ2	φ3	φ4	φ5	φ6	φ7	φ8
MOVEMENT	EBLT	WB	NBLT	SB	WBLT	EB	SBLT	NB
MIN. INITIAL	8	25	8	3.0	4.0	25	8	3.0
PASS TIME	75	75	75	45	75	75	45	45
MAX. GRN 1	5.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
MAX. GRN 2	7	7	7	-	-	17	17	17
YELLOW	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RED CLR.	7	7	7	-	-	17	17	17
WALK	ON	OFF	ON	OFF	ON	ON	OFF	OFF
PED. RECALL	ON	ON	ON	OFF	ON	ON	ON	OFF
VEH. RECALL	ON	ON	ON	OFF	ON	ON	ON	OFF
MEMORY	LOCK	LOCK	NON-LOCK	NON-LOCK	LOCK	LOCK	LOCK	NON-LOCK

LEGEND

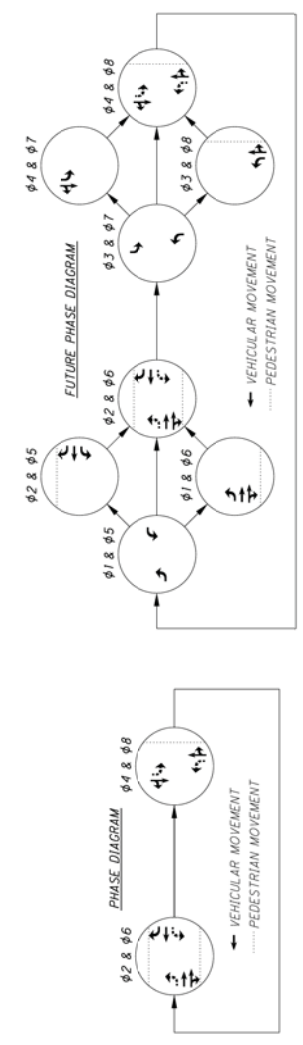
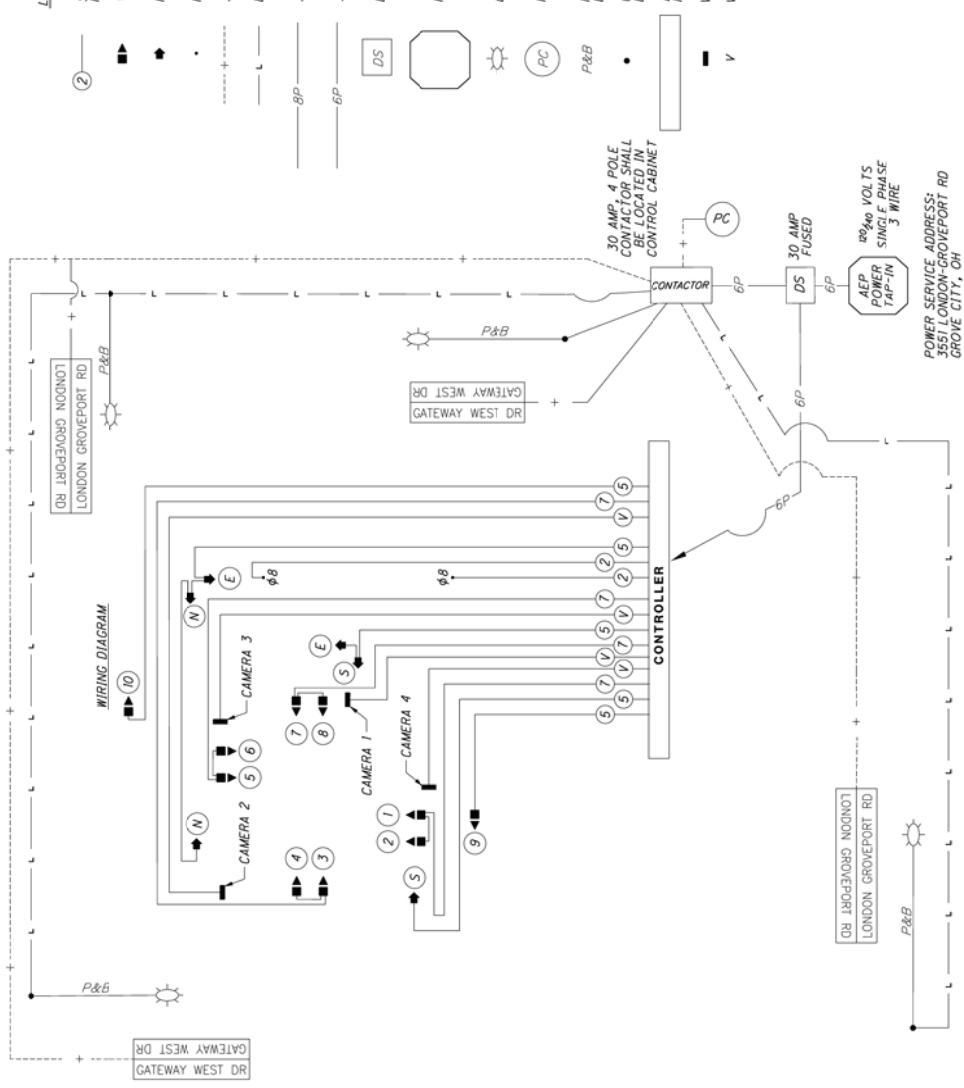
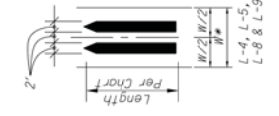
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- NO. 2 QUANTITY OF CONDUCTORS
- VEHICULAR SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- 3/C #14 AWG (SIGNAGE)
- DIST. CABLE #6 AWG (2-WIRE)
- 3/C #8 AWG
- 3/C #6 AWG
- DISCONNECT SWITCH
- POWER TAP-IN
- LIGHT FIXTURE
- PHOTOELECTRIC CELL
- NO. 10 AWG POLE & BRACKET CABLE
- CONNECTION FOR LIGHTING
- ILLUMINATED STREET NAME SIGN
- VIDEO DETECTION CAMERA
- VIDEO DETECTION CABLE

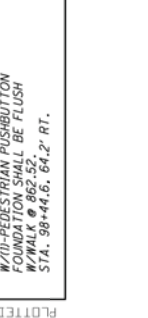
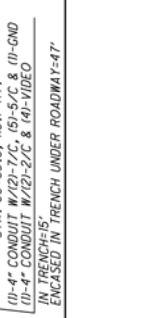
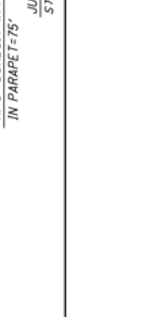
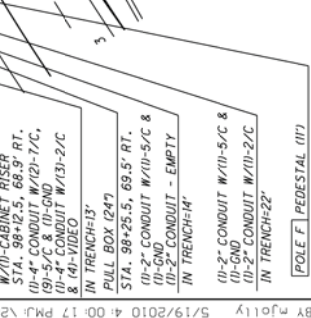
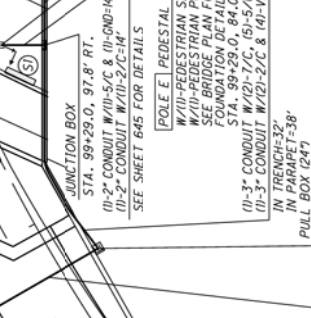
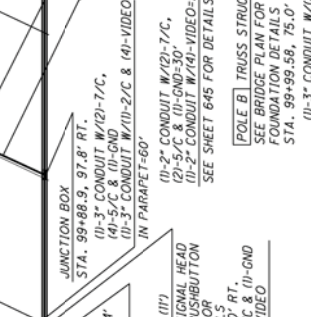
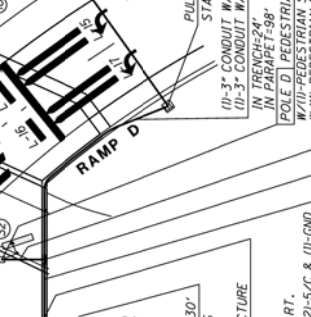
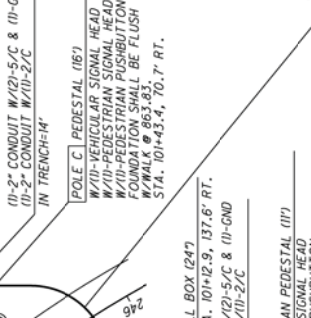
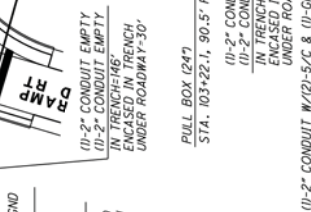
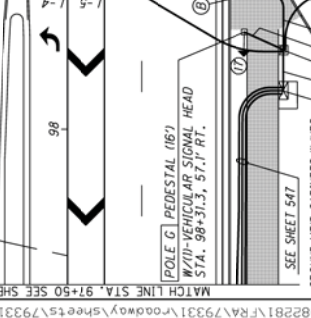
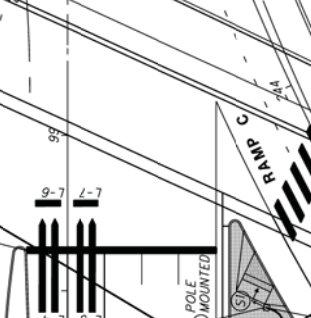
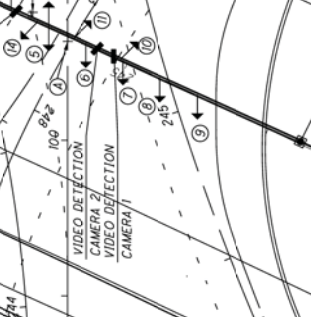
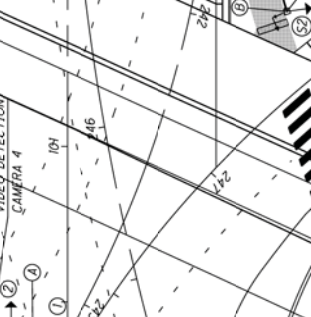
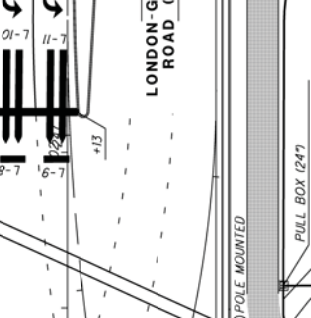
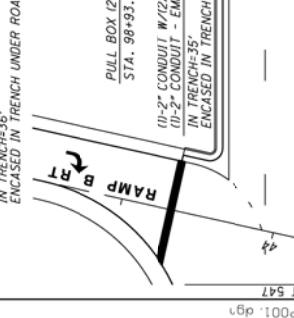
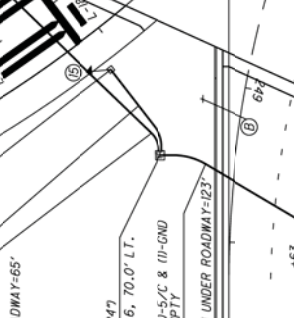
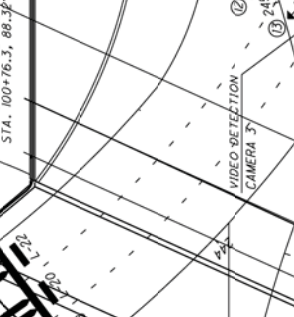
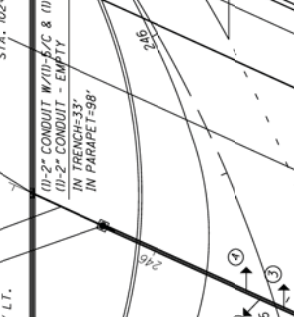
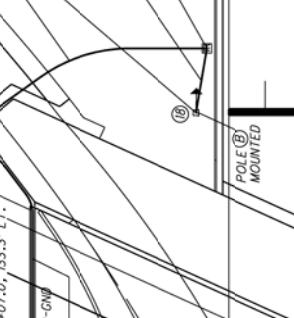
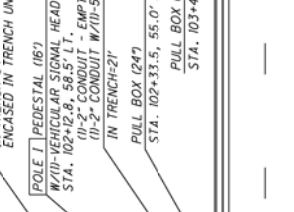
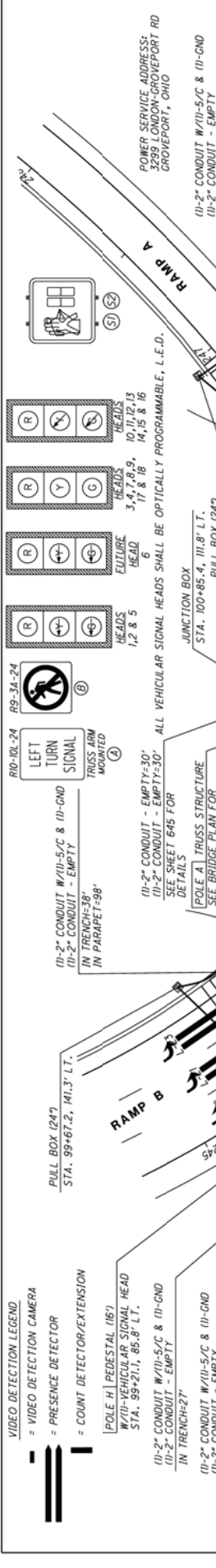
FIELD WIRING HOOK-UP CHART

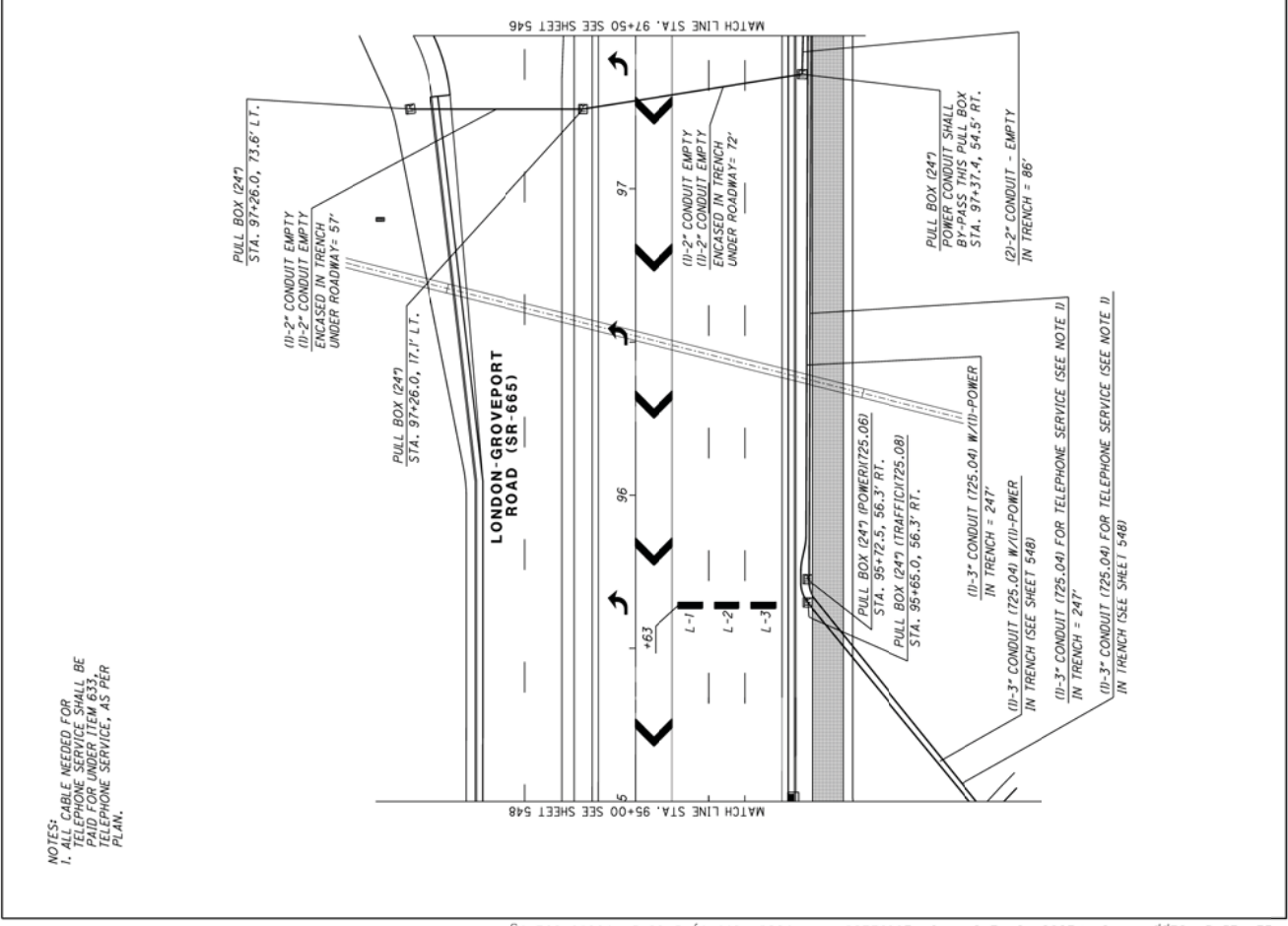
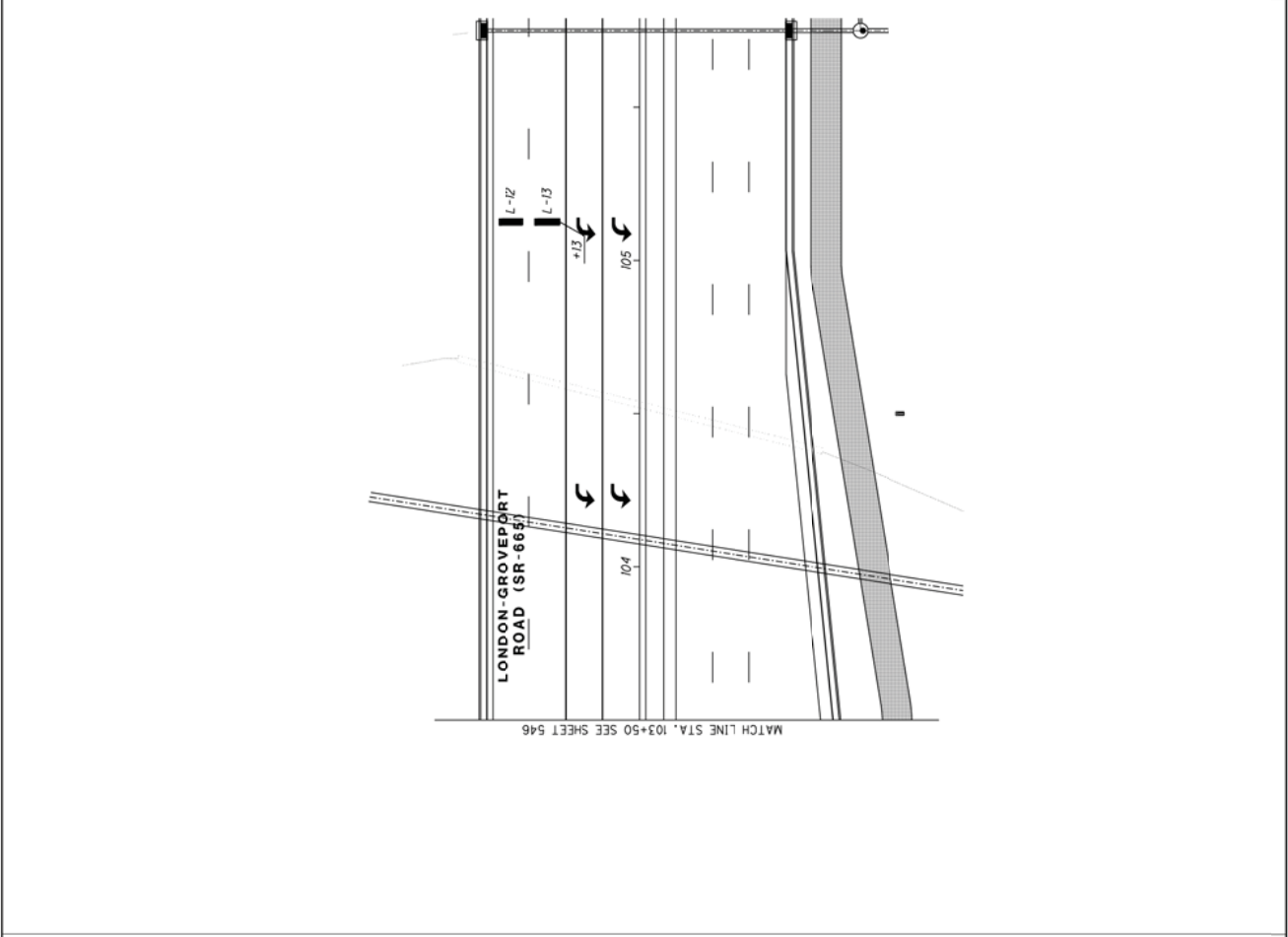
SIGNAL HEAD #	INDICATION	FIELD TERMINAL	SIGNAL FLASH #	INDICATION	FIELD TERMINAL	FLASH
1	R	φ4 R	6	R	φ8 R	R
	Y	φ4 Y		Y	φ8 Y	R
	G	φ4 G		G	φ8 G	R
2	R	φ4 R	7	R	φ6 R	Y
	Y	φ4 Y		Y	φ6 Y	Y
	G	φ4 G		G	φ6 G	Y
3	R	φ2 R	8	R	φ6 R	Y
	Y	φ2 Y		Y	φ6 Y	Y
	G	φ2 G		G	φ6 G	Y
4	R	φ2 R	S	WALK	G φ6-W	OFF
	Y	φ2 Y		DON'T WALK	R φ6-DW	OFF
	G	φ2 G		WALK	G φ6-W	OFF
5	R	φ8 R	E	DON'T WALK	R φ8-DW	OFF
	Y	φ8 Y		WALK	G φ2-W	OFF
	G	φ8 G		DON'T WALK	R φ2-DW	OFF

VEHICLE DETECTOR DETAILS

DETECTOR	CAMERA SYMBOL	PHASE	SIZE	COUNT	PRESENCE	DIRECTIONALITY	DELAY
L-1	1	φ6	2' x 8'	X	DISABLED	0 SEC	0 SEC
L-2	2	φ2	2' x 8'	X	DISABLED	0 SEC	0 SEC
L-3	2	φ2	2' x 8'	X	DISABLED	0 SEC	0 SEC
L-4	3	φ6	2' x 30' x 2'	X	DISABLED	4 SEC	4 SEC
L-5	3	φ6	2' x 30' x 2'	X	DISABLED	4 SEC	4 SEC
L-6	3	φ6	2' x 8'	X	DISABLED	0 SEC	0 SEC
L-7	3	φ6	2' x 8'	X	DISABLED	0 SEC	0 SEC
L-8	4	φ4	2' x 30' x 2'	X	DISABLED	4 SEC	4 SEC
L-9	4	φ4	2' x 30' x 2'	X	DISABLED	4 SEC	4 SEC
L-10	4	φ4	2' x 8'	X	DISABLED	0 SEC	0 SEC
L-11	4	φ4	2' x 8'	X	DISABLED	0 SEC	0 SEC

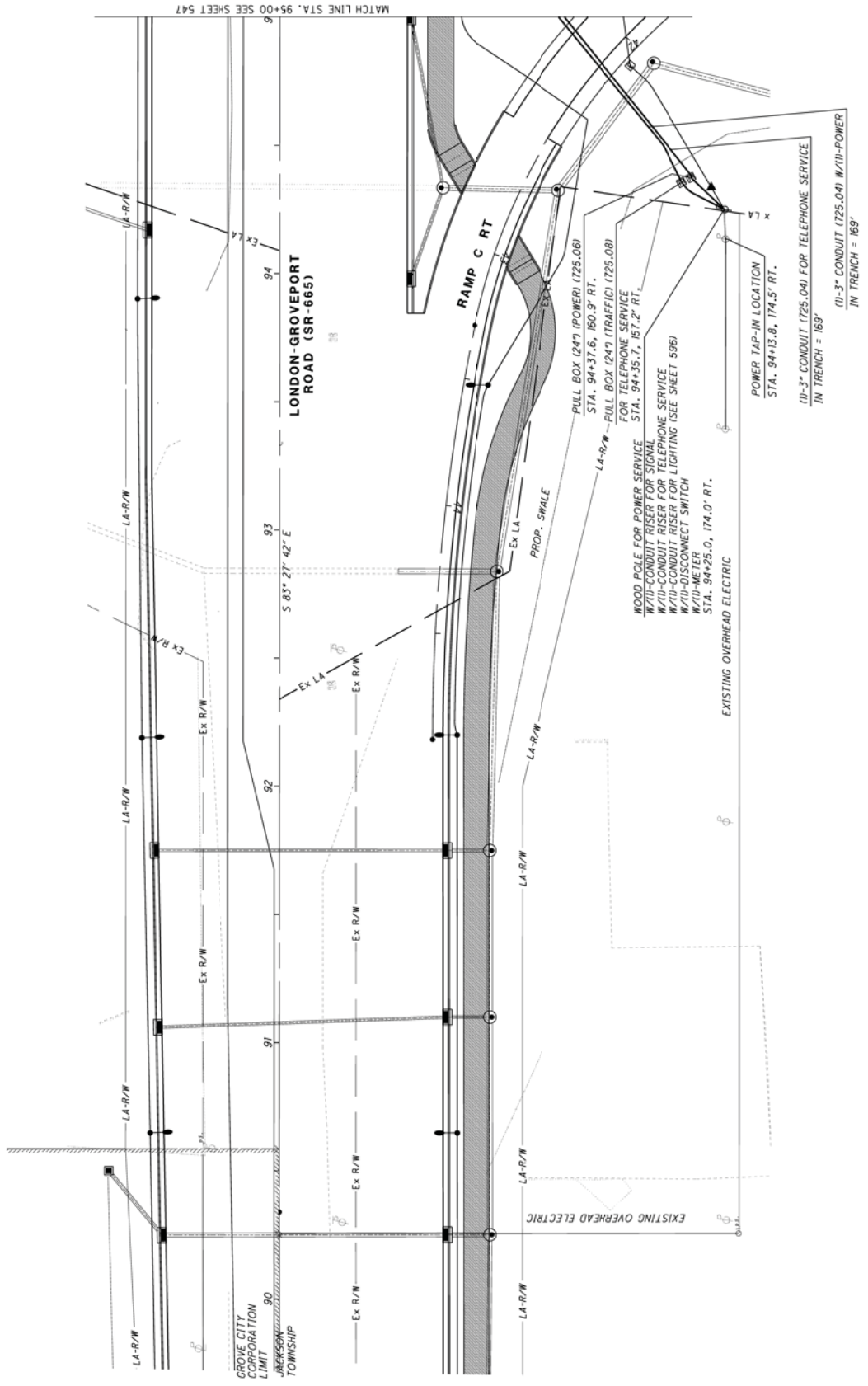






NOTES:
 1. ALL CABLE NEEDED FOR TRAFFIC SIGNAL SHALL BE PULLED UNDER ROADWAY AS PER TELEPHONE SERVICE, AS PER PLAN.

NOTES:
 1. ALL CABLE NEEDED FOR TELEPHONE SERVICE SHALL BE PAID FOR UNDER ITEM 833 TELEPHONE SERVICE, AS PER PLAN.



MATCH LINE STA. 95+00 SEE SHEET 547

LONDON-GROVEPORT ROAD (SR-665)

RAMP C RT

5.83° 27' 42" E

GROVE CITY CORPORATION LIMIT
 JERKSON TOWNSHIP

WOOD POLE FOR POWER SERVICE
 W/11-CONDUIT RISER FOR TELEPHONE SERVICE
 W/11-CONDUIT RISER FOR TELEPHONE SERVICE
 W/11-CONDUIT RISER FOR LIGHTING (SEE SHEET 596)
 W/11-DISCONNECT SWITCH
 W/11-METER
 STA. 94+25.0, 174.0' RT.

PULL BOX (247) (POWER) (725.06)
 STA. 94+37.6, 160.3' RT.
 PULL BOX (247) (TRAFFIC) (725.08)
 STA. 94+35.7, 157.2' RT.

POWER TAP-IN LOCATION
 STA. 94+13.8, 174.5' RT.
 (11-3" CONDUIT (725.04) FOR TELEPHONE SERVICE
 IN TRENCH = 169'
 (11-3" CONDUIT (725.04) W/11-POWER
 IN TRENCH = 169'

EXISTING OVERHEAD ELECTRIC

EXISTING OVERHEAD ELECTRIC

FIELD WIRING
HOOK-UP CHART

SIGNAL HEAD #	INDICATION	FIELD TERMINAL	FLASH
1,2 (NBLT)	R	φ5 R	R
	←	φ5 Y	R
	→	φ5 G	
3,4,18 (NB)	R	φ2 R	
	Y	φ2 Y	Y
	G	φ2 G	
5 (EBLT)	R	φ1 R	R
	←	φ1 Y	R
	→	φ1 G	
7,8,9,17 (EB)	R	φ6 R	
	Y	φ6 Y	Y
	G	φ6 G	
10,11,16 (NBLT)	R	φ3 R	R
	←	φ3 Y	R
	→	φ3 G	
12,13,14,15 (SBLT)	R	φ7 R	R
	←	φ7 Y	
	→	φ7 G	
⑤ & ⑥	WALK	G φ6-W	OFF
	DON'T WALK	R φ6-DW	OFF

TIMING CHART

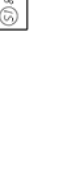
PHASE	EBLT	NBLT	WBTL	FBTL	EB	SBLT	FUTURE	φ8
MOVEMENT	8	25	15	-	8	25	15	-
MIN. INITIAL	3.6	3.6	3.6	-	3.6	3.6	3.6	-
PASS TIME	45	45	45	-	45	45	45	-
MAX. GRN 1	45	45	45	-	45	45	45	-
MAX. GRN 2	45	45	45	-	45	45	45	-
YELLOW	4.3	4.3	3.6	-	4.3	4.3	3.6	-
RED CLR.	3.0	3.0	3.0	-	3.0	3.0	3.0	-
WALK	-	-	-	-	-	-	-	-
PED. CLR.	-	-	-	-	-	-	-	-
PED. RECALL	OFF	ON	OFF	-	OFF	ON	OFF	-
VEH. RECALL	OFF	ON	OFF	-	OFF	ON	OFF	-
MEMORY	NON-LOCK	LOCK	NON-LOCK	-	NON-LOCK	LOCK	NON-LOCK	-

DETECTOR CAMERA

DETECTOR CAMERA	SYMBOL	PHASE	SIZE	COUNT	PRESENCE	DIRECTIONALITY	DELAY
L-1, 2, 3	1	φ6	3'0" x 8'	X		DISABLED	0 SEC
L-4	1	φ1	2'0" x 2'		X	DISABLED	2 SEC
L-5	1	φ1	2'0" x 2'		X	DISABLED	2 SEC
L-6	1	φ1	2' x 8'		X	DISABLED	0 SEC
L-7	1	φ1	2' x 8'		X	DISABLED	0 SEC
L-8	4	φ5	2' x 8'		X	DISABLED	0 SEC
L-9	4	φ5	2' x 8'		X	DISABLED	0 SEC
L-10	4	φ5	2'0" x 2'		X	DISABLED	2 SEC
L-11	4	φ5	2'0" x 2'		X	DISABLED	2 SEC
L-12, 13	4	φ2	2'0" x 8'		X	DISABLED	0 SEC
L-14	2	φ3	2' x 8'		X	DISABLED	2 SEC
L-15	2	φ3	2'0" x 2'		X	DISABLED	2 SEC
L-16	2	φ3	2' x 8'		X	DISABLED	0 SEC
L-17	2	φ3	2'0" x 2'		X	DISABLED	2 SEC
L-18	3	φ7	2' x 8'		X	DISABLED	0 SEC
L-19	3	φ7	2'0" x 2'		X	DISABLED	0 SEC
L-20	3	φ7	2' x 8'		X	DISABLED	2 SEC
L-21	3	φ7	2'0" x 2'		X	DISABLED	0 SEC
L-22	3	φ7	2' x 8'		X	DISABLED	2 SEC
L-23	3	φ7	2'0" x 2'		X	DISABLED	2 SEC



VEHICLE DETECTOR DETAILS



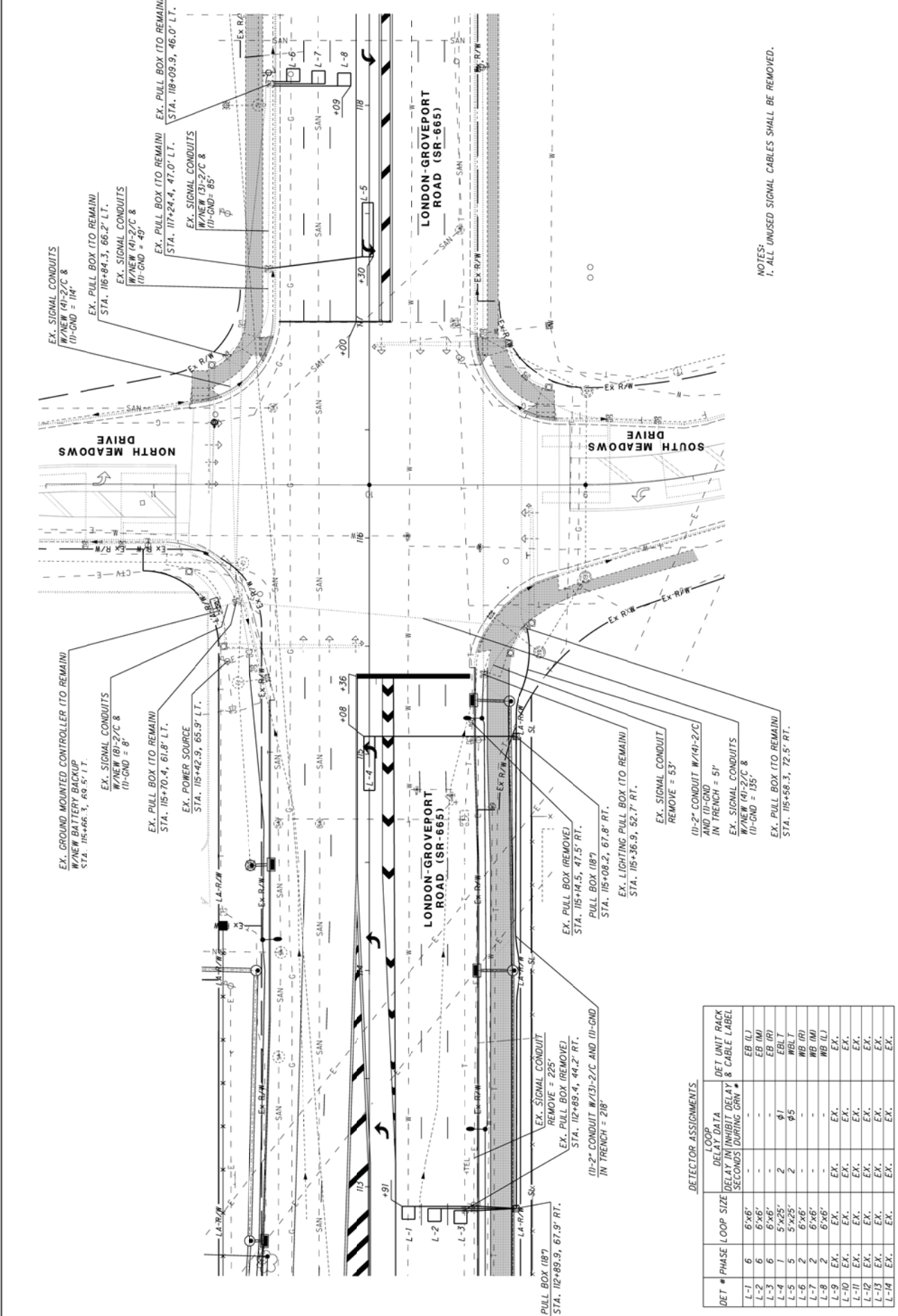
PHASE DIAGRAM



LEGEND

- SIGNAL CABLE #14 AWG
- NO. QUANTITY OF CONDUCTORS
- FUTURE SIGNAL CABLE/LOOP
- DISCONNECT SWITCH
- METER
- VEHICULAR SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- VIDEO DETECTION CABLE





NOTES:
1. ALL UNUSED SIGNAL CABLES SHALL BE REMOVED.

DETECTOR ASSIGNMENTS.

DET #	PHASE	LOOP SIZE	LOOP DATA	DELAY IN INHIBIT DELAY SECONDS DURING GRN *	DET UNIT RACK DELAY & CABLE LABEL
L-1	6	6'x6'	-	-	EB (L)
L-2	6	6'x6'	-	-	EB (M)
L-3	6	6'x6'	-	-	EB (R)
L-4	1	5'x25'	φ1	EBLT	EBLT
L-5	5	5'x25'	2	φ5	WBLT
L-6	2	6'x6'	-	-	WB (R)
L-7	2	6'x6'	-	-	WB (M)
L-8	2	6'x6'	-	-	WB (L)
L-9	EX.	EX.	EX.	EX.	EX.
L-10	EX.	EX.	EX.	EX.	EX.
L-11	EX.	EX.	EX.	EX.	EX.
L-12	EX.	EX.	EX.	EX.	EX.
L-13	EX.	EX.	EX.	EX.	EX.
L-14	EX.	EX.	EX.	EX.	EX.