

LEGEND

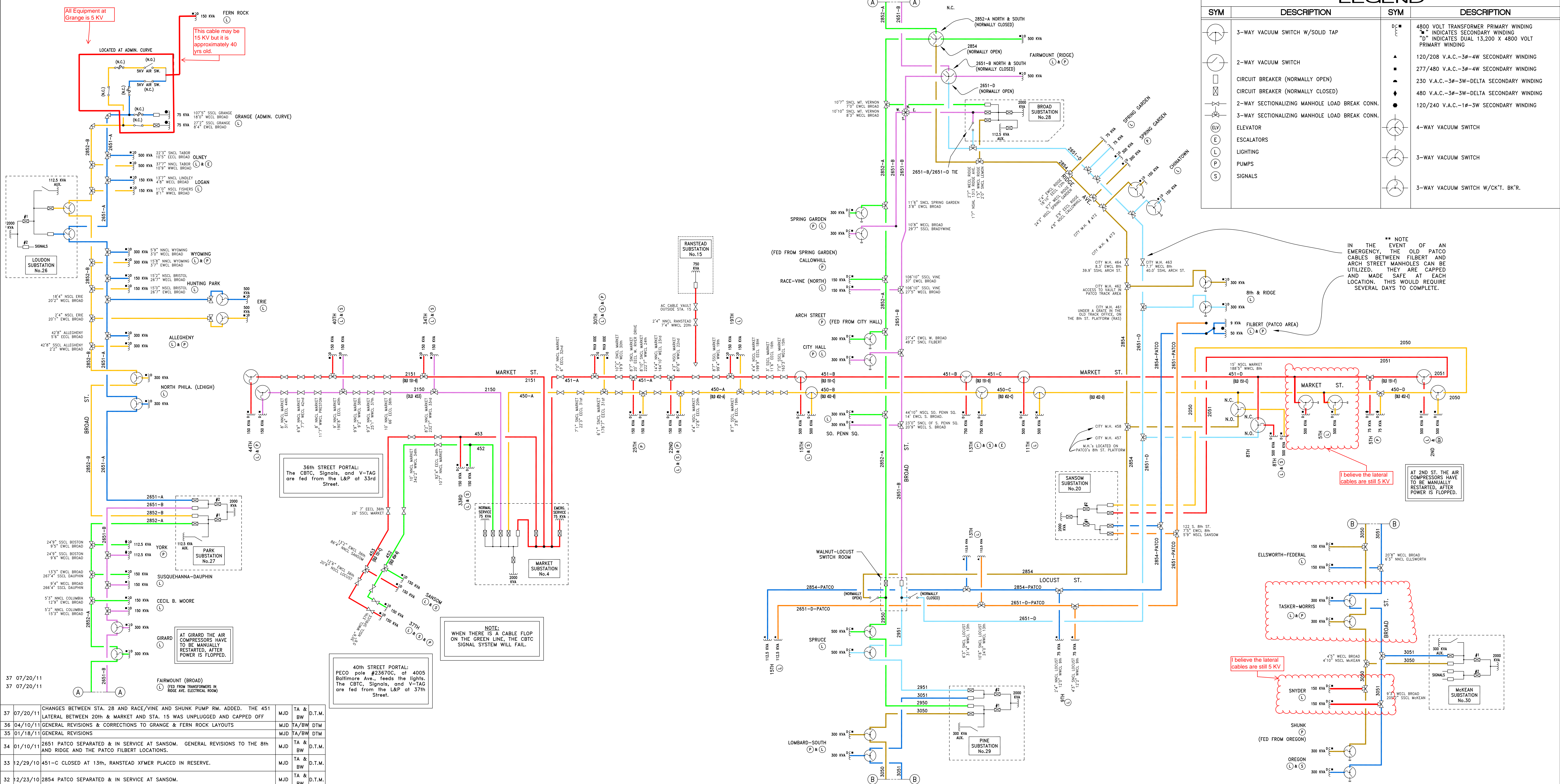
SYM	DESCRIPTION	SYM	DESCRIPTION
	3-WAY VACUUM SWITCH W/SOLID TAP		4800 VOLT TRANSFORMER PRIMARY WINDING
	2-WAY VACUUM SWITCH		"S" INDICATES SECONDARY WINDING
	CIRCUIT BREAKER (NORMALLY OPEN)		"D" INDICATES DUAL 13,200 X 4800 VOLT PRIMARY WINDING
	CIRCUIT BREAKER (NORMALLY CLOSED)		▲ 120/208 V.A.C.-3Ø-4W SECONDARY WINDING
	2-WAY SECTIONALIZING MANHOLE LOAD BREAK CONN.		■ 277/480 V.A.C.-3Ø-4W SECONDARY WINDING
	3-WAY SECTIONALIZING MANHOLE LOAD BREAK CONN.		▲ 230 V.A.C.-3Ø-3W-DELTA SECONDARY WINDING
	ELEVATOR		▲ 480 V.A.C.-3Ø-3W-DELTA SECONDARY WINDING
	ESCALATORS		● 120/240 V.A.C.-1Ø-3W SECONDARY WINDING
	LIGHTING		4-WAY VACUUM SWITCH
	PUMPS		3-WAY VACUUM SWITCH
	SIGNALS		3-WAY VACUUM SWITCH W/CKT. BK'R.

**** NOTE OF AN EMERGENCY, THE OLD PATCO CABLES BETWEEN FILBERT AND ARCH STREET MANHOLES CAN BE UTILIZED. THEY ARE CAPPED AND MADE SAFE AT EACH LOCATION. THIS WOULD REQUIRE SEVERAL DAYS TO COMPLETE.**

I believe the lateral cables are still 5 KV

AT 2ND ST. THE AIR COMPRESSORS HAVE TO BE MANUALLY RESTARTED, AFTER POWER IS FLOPPED.

I believe the lateral cables are still 5 KV



REV	DATE	DESCRIPTION	BY	CK'D	AP'D
37	07/20/11	CHANGES BETWEEN STA. 28 AND RACE/VINE AND SHUNK PUMP RM. ADDED. THE 451 LATERAL BETWEEN 20th & MARKET AND STA. 15 WAS UNPLUGGED AND CAPPED OFF	MJD	TA & BW	D.T.M.
36	04/10/11	GENERAL REVISIONS & CORRECTIONS TO GRANGE & FERN ROCK LAYOUTS	MJD	TA/BW	DTM
35	01/18/11	GENERAL REVISIONS	MJD	TA/BW	DTM
34	01/10/11	2651 PATCO SEPARATED & IN SERVICE AT SANSOM. GENERAL REVISIONS TO THE 8th AND RIDGE AND THE PATCO FILBERT LOCATIONS.	MJD	TA & BW	D.T.M.
33	12/29/10	451-C CLOSED AT 13th. RANSTEAD XFMR PLACED IN RESERVE.	MJD	TA & BW	D.T.M.
32	12/23/10	2854 PATCO SEPARATED & IN SERVICE AT SANSOM.	MJD	TA & BW	D.T.M.
31	12/15/10	SANSOM P&L XFMR & SWGR ADDED. 2050 & 2051 IN SERVICE	MJD	B.W.	D.T.M.
30	03/29/09	GENERAL REVISIONS	CTRIII	J.J.C.	D.T.M.
29	03/19/09	RECONFIGURE 30th & DELETE 44th SIGNAL POWER	CTRIII	J.J.C.	D.T.M.
28	10/23/07	RECONFIGURE ERIE	CTRIII	A.F.R.	A.F.R.
27	7/5/07	RECONFIGURE ERIE	P.E.L.	P.E.L.	
26	6/1/07	REM CALLOWHILL-ADD PUMP TO SP. GARDEN & CITY HALL	P.E.L.	P.E.L.	
25	5/1/07	REM S FEEDS TO PATCO - 15th ST., ARCH, & RECONF PATCO FILBERT	P.E.L.	P.E.L.	A.F.R.

40th STREET PORTAL:
PECO pole #23670C, at 4005 Baltimore Ave., feeds the lights. The CBTC, Signals, and V-TAG are fed from the L&P at 37th Street.

36th STREET PORTAL:
The CBTC, Signals, and V-TAG are fed from the L&P at 33rd Street.

NOTE:
WHEN THERE IS A CABLE FLOP ON THE GREEN LINE, THE CBTC SIGNAL SYSTEM WILL FAIL.

AT GIRARD THE AIR COMPRESSORS HAVE TO BE MANUALLY RESTARTED, AFTER POWER IS FLOPPED.

PROJECT ENGINEER	CHIEF ENERGY FACILITIES ENGINEERING & CONSTRUCTION SUPPORT	SCALE:	N.T.S	<p>SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY ENGINEERING, MAINTENANCE, & CONSTRUCTION POWER DEPARTMENT 1234 MARKET STREET, 12TH FLOOR, PHILADELPHIA, PA 1907</p>	WORK ORDER NUMBER	30206
SYSTEM SAFETY	SEPTA CHIEF ELECTRICAL ENGINEER & COMMUNICATIONS ENGINEERING	DRAWN BY:	CEM		SHEET NO. E1 OF E1	
	MANAGER - POWER ENG. & DESIGN	DATE:	5/12/93		DRAWING NUMBER	REV. 35
		CHECKED BY:				7E-16563

File Name: G:\CTD\SUBS\6563_37.dwg - Tab: Model
Plotted on: Wednesday, July 20, 2011 - 12:55pm
Plotted by: ANKA