

LIGHT POLE, LIGHT POLE BASE, LUMINAIRE
 US RTE 2 6+12 - 19.0' LT
 US RTE 2 6+92 - 21.0' RT
 US RTE 2 7+89 - 28.0' RT
 US RTE 2 8+75 - 27.5' RT
 US RTE 2 9+75 - 21.0' RT
 VT RTE I17 30+43 - 34.0' RT
 VT RTE I17 31+00 - 21.0' LT
 I-89 NB OFF-RAMP 35+68 - 22.0' LT

LIGHT POLE JUNCTION BOX
 US RTE 2 6+12 - 21.6' LT
 US RTE 2 6+92 - 23.6' RT
 US RTE 2 7+89 - 30.6' RT
 US RTE 2 8+75 - 30.0' RT
 US RTE 2 9+75 - 23.6' RT
 VT RTE I17 30+44 - 36.6' RT
 VT RTE I17 31+03 - 21.0' LT
 I-89 NB OFF RAMP 35+68 - 24.6' LT

JUNCTION BOX
 US RTE 2 6+28 - 33.8' LT
 US RTE 2 7+04 - 24.0' RT
 US RTE 2 7+12 - 39.0' RT
 US RTE 2 10+58 - 25.0' RT

WIRED CONDUIT (2") (PVC)
 US RTE 2 6+12 LT (JB) - 6+28 LT (JB) 24'
 US RTE 2 6+28 LT (JB) - 6+31LT (CONDUIT SLEEVE) 6'
 US RTE 2 6+28 LT (JB) - VT RTE I17 31+03 LT (JB) 47'
 US RTE 2 6+92 RT (JB) - 7+04 RT (JB) 10'
 US RTE 2 7+04 LT (CONDUIT SLEEVE) - 7+12 LT (JB) 25'
 US RTE 2 7+12 LT (JB) - 7+73 LT (PC) 65'
 US RTE 2 7+12 LT (JB) - VT RTE I17 30+44 RT (JB) 34'
 US RTE 2 7+74 LT (PC) - I-89 NB OFF-RAMP 35.68 LT (JB) 115'
 US RTE 2 7+89 RT (JB) - 7+04 RT (JB) 81'
 US RTE 2 7+89 RT (JB) - 8+75 RT (JB) 89'
 US RTE 2 8+75 RT (JB) - 9+75 RT (JB) 104'

US RTE 2 9+55 RT (JB) - 10+58 RT (JB) 8'
 SEE BELOW FOR CONDUIT SCHEDULE

WIRED CONDUIT (1") (PVC)
 US RTE 2 6+12 LT (JB) - 6+12 LT (LP) 8'
 US RTE 2 6+92 RT (JB) - 6+92 RT (LP) 8'
 US RTE 2 7+89 RT (JB) - 7+89 RT (LP) 8'
 US RTE 2 8+75 RT (JB) - 8+75 RT (LP) 8'
 US RTE 2 9+75 RT (JB) - 9+75 RT (LP) 8'
 VT RTE I17 31+03 LT (JB) - 31+00 LT (LP) 8'
 VT RTE I17 30+43 RT (JB) - 30+44 RT (LP) 8'
 I-89 NB OFF-RAMP 35+68 LT (PB) - 35+68 LT (JB) 8'
 NO 1" (PVC) CONDUIT USED

ELECTRICAL CONDUIT SLEEVE (6") (PVC)
 US RTE 2 6+31LT - 7+04 LT 78'
 US RTE 2 7+04 RT - 7+12 LT 62'
 US RTE 2 6+15 RT
POWER DROP STANCHION, STREET LIGHTING
 US RTE 2 7+75 LT
 COORDINATE WITH TRAFFIC SIGNAL WORK

LEGEND:
 ----- PROPOSED WIRED CONDUIT
 ----- PROPOSED ELECTRICAL CONDUIT SLEEVE
 ■ PROPOSED JUNCTION BOX
 → PROPOSED LIGHT POLE & LUMINAIRE
 L-2 LUMINAIRE TYPE

- NOTES:**
- CONNECT NEW STREET LIGHTING INDICATED TO RELOCATED POWER CABINET AT US RTE 2 7+75 LT. UTILIZE AN EXISTING 20A SPARE BREAKER TO POWER THE NEW STREET LIGHTING.
 - SEE LIGHTING NOTES 1-11, 14, CONDUIT SLEEVE NOTES, DETAILS FOR TAGS ATTACHED TO AREA LIGHT POLES, CONDUIT NOTES, GROUNDING NOTES AND GENERAL NOTES ON THE LIGHTING GENERAL NOTES SHEET (SHEET 114).
 - LIGHTING CONDUIT PROPOSED IN ROADWAYS SHALL BE INSTALLED IN THE SAME TRENCHES AS THE TRAFFIC SIGNAL CONDUIT. REFER TO TRAFFIC SIGNAL PLANS, SHEETS 66 & 68.

LUMINAIRE L-2:
 LIGHT DISTRIBUTION IS BASED ON HOLOPHANE PHOTOMETRIC DATA *LEGD I20 53 4K 00 2H L4, FULL CUTOFF, TYPE IV OPTICS, CATALOG *LEGD I20 53 5K AS A L4 PCS (TENON MOUNTED)
 THE ABOVE PHOTOMETRIC DATA DRAWINGS WERE USED FOR DESIGN PURPOSES ON THIS PROJECT. ALTERNATE MANUFACTURERS PRODUCTS THAT MAY BE SUBSTITUTED ARE BETALED (LEDWAY IP) AND LRL LED LUMINAIRE *STA-96M. THE ALTERNATE MANUFACTURER MUST MEET THE INSTALLED LUMINAIRE LIGHT UTILIZATION AN MINIMUM FC.

ALL NEW STREET LIGHTING POLES AND LUMINAIRES FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH SUBSECTION 753.01.

STREET LIGHTING DESIGN PARAMETERS:

THE STREET LIGHTING IS BASED ON THE VERMONT AGENCY OF TRANSPORTATION LIGHTING DESIGN GUIDE, RECOMMENDED LIGHTING LEVELS FOR INTERSECTIONS AND ROUNDABOUTS (MAJOR/LOCAL, LOW, FC = 1.3).

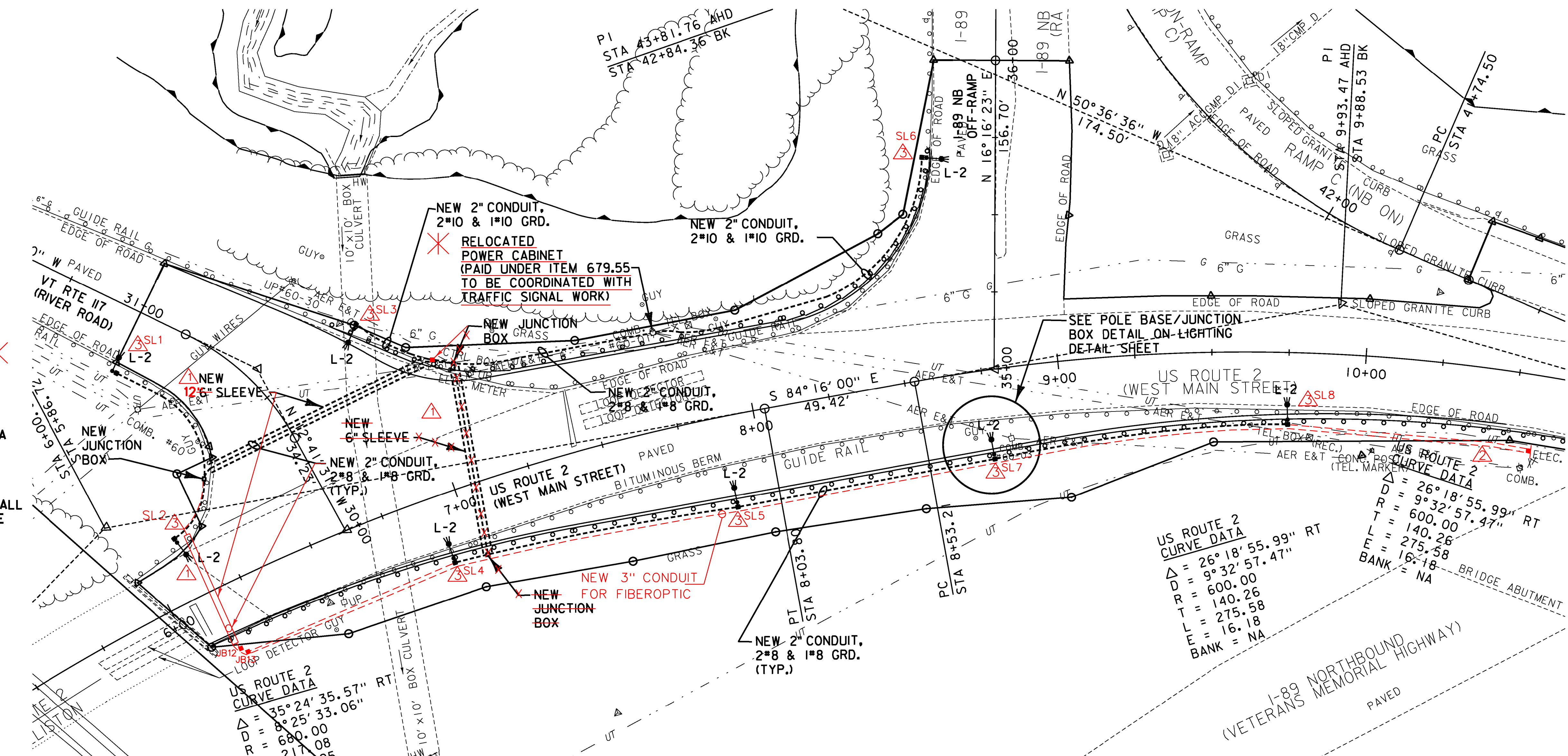
WIRED CONDUIT 2" (PVC)

STA. 30+86, 29' LT, POLE #60 TO 6+28, 38' LT, SERVICE
 STA. 6+28, 38' LT, SERVICE TO 6+20, 35' LT, CONTROL
 STA. 6+20, 35' LT, CONTROL TO 6+24.96, 33.97' LT, MP1A
 STA. 6+20, 35' LT, CONTROL TO 6+15, 45' LT, PB1
 STA. 6+15, 45' LT, PB1 TO 6+15, 25' RT, PBMP1C
 STA. 6+15, 25' RT, PBMP1C TO 6+38.36, 21.54' RT, MP1C
 STA. 6+50, 25' RT, PB2 TO 6+76, 23' RT, PB3
 STA. 6+76, 23' RT, PB3 TO 6+86.06, 22.78' RT, MP1B
 STA. 6+28, 38' LT, SERVICE TO 6+30, 33.8' LT, JB10
 STA. 6+30, 33.8' LT, JB10 TO 31+03, 21' LT, JB1
 STA. 31+03, 21' LT, JB1 TO 31+00, 21' LT, *SL1-105W-LED
 STA. 6+30, 33.8' LT, JB10 TO 7+04, 33' LT, JB11
 STA. 7+04, 33' LT, JB11 TO 30+44, 36.6' RT, JB3
 STA. 30+44, 36.6' RT, JB3 TO 30+44, 34' RT, *SL3-105W-LED

STA. 7+06, 33' LT, JB11 TO 35+70, 24.6' LT, JB6
 STA. 35+70, 24.6' LT, JB6 TO 35+68, 24.6' LT, *SL6-105W-LED
 STA. 6+28, 33.8' LT, JB10 TO 6+15, 21.6' LT, JB12
 STA. 6+15, 21.6' LT, JB12 TO 6+12, 21.6' LT, JB2
 STA. 6+12, 21.6' LT, JB2 TO 6+12, 21.6' LT, *SL2-105W-LED
 STA. 6+15, 21.6' LT, JB12 TO 6+15, 23' RT, JB13
 STA. 6+15, 23' RT, JB13 TO 6+92, 23' RT, JB4
 STA. 6+92, 23' RT, JB4 TO 6+92, 21' RT, *SL4-105W-LED
 STA. 6+92, 23' RT, JB4 TO 7+89, 30.6' RT, JB5
 STA. 7+89, 30.6' RT, JB5 TO 7+89, 28' RT, *SL5-105W-LED
 STA. 7+89, 30.6' RT, JB5 TO 8+75, 30' RT, JB7
 STA. 8+75, 30' RT, JB7 TO 8+75, 27.5' RT, *SL7-105W-LED
 STA. 8+75, 30' RT, JB7 TO 9+75, 23.6' RT, JB8
 STA. 9+75, 23.6' RT, JB8 TO 9+75, 21' RT, *SL8-105W-LED
 STA. 9+75, 23.6' RT, JB8 TO 10+54, 23.5' RT, JB9

WIRED CONDUIT 3" (PVC)

STA. 7+04, 33' LT, JB11 TO 6+30, 33.8' LT, JB10
 STA. 6+30, 33.8' LT, JB10 TO 6+15, 21.6' LT, JB12
 STA. 6+15, 21.6' LT, JB12 TO 6+15, 23' RT, JB13
 STA. 6+15, 23' RT, JB13 TO 10+54, 23.5' RT, JB9



US ROUTE 2 CURVE DATA

Δ	= 26° 18' 55.99"	RT
D	= 9° 32' 57.47"	RT
R	= 600.00	RT
T	= 140.26	RT
L	= 275.58	RT
E	= 16.18	RT
BANK	= NA	RT

VETERANS MEMORIAL HIGHWAY CURVE DATA

Δ	= 26° 18' 55.99"	RT
D	= 9° 32' 57.47"	RT
R	= 600.00	RT
T	= 140.26	RT
L	= 275.58	RT
E	= 16.18	RT
BANK	= NA	RT

KEY	DATE	BY	REVISION
△	10/27/2015	VTRANS	SUPPLEMENTAL AGREEMENT 12" STEEL SLEEVE
△	10/27/2015	VTRANS	ADDITIONAL 2" WIRED CONDUIT
△	10/27/2015	VTRANS	ADDITIONAL JUNCTION BOX
△	11/9/2015	VTRANS	CORRECT STREET LIGHT NUMBERS
△	11/13/2015	VTRANS	WIRED CONDUIT SCHEDULE UPDATE

PROJECT NAME:	RICHMOND
PROJECT NUMBER:	CMG PARK (31)
FILE NAME:	z97cl86e101.dgn
PROJECT LEADER:	YASSER RIZK
DESIGNED BY:	M. STEWART
LIGHTING PLAN LAYOUT SHEET	
PLOT DATE:	4/30/2013
DRAWN BY:	M. STEWART
CHECKED BY:	Y. RIZK
SHEET	75 OF 133

