

**LUMINAIRE SCHEDULE**

SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP	LAMP QUANTITY	FILENAME	LUMENS/LAMP	LIGHT LOSS FACTOR	WATTAGE
A	L-3R	1	DELMARVA	NEW LED SINGLE ON RELOCATED POLE EXISTING 6 FT ARM 25 FT POLE HEIGHT ATBO 30B LED E10 XXXXX R2	AEL AMERICAN ELECTRIC ATBO SERIES 108W LED 1A TYPE 2 4000K	30B 4K LED ARRAY #9503-6703	1	ATBO_30B_LED_E10_XXXXX_R2.IES	9237.698	0.85	108
A	L-1R L-5R L-7R L-8R	4	DELMARVA	NEW LED SINGLE ON RELOCATED POLE EXISTING 4 FT ARM 25 FT POLE HEIGHT ATBO 30B LED E10 XXXXX R2	AEL AMERICAN ELECTRIC ATBO SERIES 108W LED 1A TYPE 2 4000K	30B 4K LED ARRAY #9503-6703	1	ATBO_30B_LED_E10_XXXXX_R2.IES	9237.698	0.85	108
A	L-2R L-4R L-6R	3	DELMARVA	NEW LED SINGLE ON RELOCATED POLE NEW 4 FT ARM 25 FT POLE HEIGHT ATBO 30B LED E10 XXXXX R2	AEL AMERICAN ELECTRIC ATBO SERIES 108W LED 1A TYPE 2 4000K	30B 4K LED ARRAY #9503-6703	1	ATBO_30B_LED_E10_XXXXX_R2.IES	9237.698	0.85	108

**UTILITY POLE RELOCATION SCHEDULE**

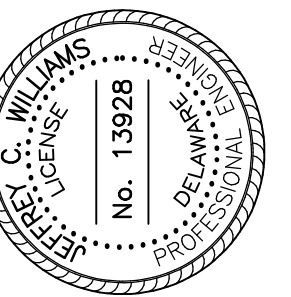
POLE	LOCATION	NORTHING / EASTING
UP-1L	Sta 0+86.13 / 20.92' L	260902.45421 / 750520.01324
UP-1R	Sta 1+65.30 / 12.92'R	260928.19471 / 750602.17424
UP-2R	Sta 2+66.88 / 12.92'R	260994.21906 / 750679.37231
UP-3R	Sta 3+79.55 / 12.92'R	261067.44772 / 750764.99391
UP-4R	Sta 5+10.95 / 12.92'R	261152.85689 / 750764.85740
UP-5R	Sta 6+51.20 / 12.92'R	261244.01060 / 750971.43762
UP-6R	Sta 7+45.18 / 12.92'R	261305.09878 / 751042.86414
UP-7R	Sta 8+51.23 / 12.92'R	261374.02765 / 751123.45827
TRANS	Sta 8+52.67 / 19.58'R	261369.90169 / 751128.87448
UP-8R	Sta 10+00.83 / 13.21'R	261471.04269 / 751237.33103

**STORMWATER STRUCTURE SCHEDULE**

STRUCTURE No.: SWMH-1 TYPE: STD 60" ROUND MANHOLE LOC: PARK STA 10+75.43 / OFFSET: 5.71' L RM: 14.56 INV=6.66 (18" RCP I/F SW-1) INV=6.16 (24" RCP I/F MD Ave) INV=6.06 (24" RCP O/T SWMH-4) NET DEPTH=8.50'	STRUCTURE No.: SW-5 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 4+42.91 / OFFSET 20.17' L TG=19.05 INV=8.55 (18" RCP I/F SW-6) INV=8.50 (18" RCP O/T SW-3) NET DEPTH=10.47'	STRUCTURE No.: SW-10 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 4+42.91 / OFFSET 12.17' R TG=19.05 INV=9.05 (18" RCP I/F SW-11) INV=9.45 (18" RCP O/T SW-8) NET DEPTH=9.60'
STRUCTURE No.: SW-1 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 9+86.23 / OFFSET 20.17' L TG=19.00 INV=7.33 (15" RCP I/F SW-2) INV=7.08 (18" RCP I/F SW-3) INV=6.98 (18" RCP O/T SWMH-1) NET DEPTH=8.62'	STRUCTURE No.: SW-6 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 5+95.91 / OFFSET 12.17' R TG=19.02 INV=9.07 (15" RCP I/F SW-7) INV=8.82 (18" RCP I/F SW-8) INV=8.72 (18" RCP O/T SW-5) NET DEPTH=10.30'	STRUCTURE No.: SW-11 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 3+442.91 / OFFSET 12.17' R TG=18.95 INV=10.15 (15" RCP I/F SW-12) INV=9.90 (18" RCP I/F SW-10) NET DEPTH=9.05'
STRUCTURE No.: SW-2 TYPE: 34"x18" w/ TYPE B TOP LOC: LAKE AVE STA 9+86.23 / OFFSET 12.17' R TG=19.00 INV=7.89 (15" RCP O/T SW-1) NET DEPTH=7.71'	STRUCTURE No.: SW-7 TYPE: 34"x18" w/ TYPE B TOP LOC: LAKE AVE STA 2+62.91 / OFFSET 12.17' R TG=19.23 INV=10.15 (15" RCP I/F SW-6) INV=10.42 (15" RCP O/T SW-11) NET DEPTH=8.73'	STRUCTURE No.: SW-12 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 2+62.91 / OFFSET 12.17' R TG=19.15 INV=10.52 (15" RCP I/F SW-13) INV=10.42 (15" RCP O/T SW-11) NET DEPTH=8.73'
STRUCTURE No.: SW-3 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 7+82.91 / OFFSET 20.17' L TG=19.05 INV=9.11 (15" RCP I/F SW-4) INV=7.89 (18" RCP I/F SW-5) INV=7.79 (18" RCP O/T SW-1) NET DEPTH=11.21'	STRUCTURE No.: SW-8 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 5+38.91 / OFFSET 20.17' L TG=19.25 INV=11.24 (15" RCP I/F SW-9) INV=9.01 (18" RCP O/T SW-8) NET DEPTH=10.06'	STRUCTURE No.: SW-13 TYPE: 48"x30" w/ TYPE B TOP LOC: LAKE AVE STA 0+82.91 / OFFSET 12.17' R TG=19.25 INV=11.16 (15" RCP O/T SW-12) NET DEPTH=8.09'
STRUCTURE No.: SW-4 TYPE: 34"x18" w/ TYPE B TOP LOC: LAKE AVE STA 7+82.91 / OFFSET 12.17' R TG=19.00 INV=9.67 (15" RCP O/T SW-3) NET DEPTH=9.33'	STRUCTURE No.: SW-9 TYPE: 34"x18" w/ TYPE B TOP LOC: LAKE AVE STA 5+38.91 / OFFSET 12.17' R TG=19.43 INV=11.80 (15" RCP O/T SW-8) NET DEPTH=7.63'	

**STORMWATER PIPING SCHEDULE**

PIPE	FROM	TO	DIA	LENGTH	SLOPE	TYPE
P-1	SW-1	SWMH-1	18"	90'	0.0036	RCP CL III
P-2	SW-2	SW-1	15"	28'	0.0157	RCP CL III
P-3	SW-3	SW-1	15"	198'	0.0036	RCP CL III
P-4	SW-4	SW-1	15"	28'	0.0200	RCP CL III
P-5	SW-5	SW-3	18"	170'	0.0036	RCP CL III
P-6	SW-6	SW-3	32"	0.0036	RCP CL III	
P-7	SW-7	SW-6	15"	54'	0.0200	RCP CL III
P-8	SW-8	SW-6	18"	54'	0.0036	RCP CL III
P-9	SW-9	SW-6	28"	0.0200	RCP CL III	
P-10	SW-10	SW-8	18"	94'	0.0036	RCP CL III
P-11	SW-11	SW-10	18"	96'	0.0036	RCP CL III
P-12	SW-11	SW-11	78"	0.0036	RCP CL III	
P-13	SW-13	SW-12	15"	178'	0.0036	RCP CL III



SCALE: 1" = 40'  
DATE: 05/02/18  
PROJECT: LAKE AVENUE STREETScape IMPROVEMENTS  
SHEET: 12 OF 27

**PHASE I  
100% PLANS**

OWNER/APPLICANT: CITY OF REHOBOTH BEACH  
CONSTRUCTION PLAN: STA 5+40 - STA 8+30  
LAKE AVENUE STREETScape IMPROVEMENTS  
CITY OF REHOBOTH BEACH - SUSSEX COUNTY - DELAWARE  
**KEI**  
KERCHER ENGINEERING, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
254 CHAPMAN ROAD, SUITE 202 - NEWARK, DELAWARE 19702  
302.894.1098 (Voice) 302.894.1099 (Fax) www.kercherinc.com

JOB No.: 12-0306M  
PLAN DATE: March 26, 2012  
SHEET No.: 12 of 27