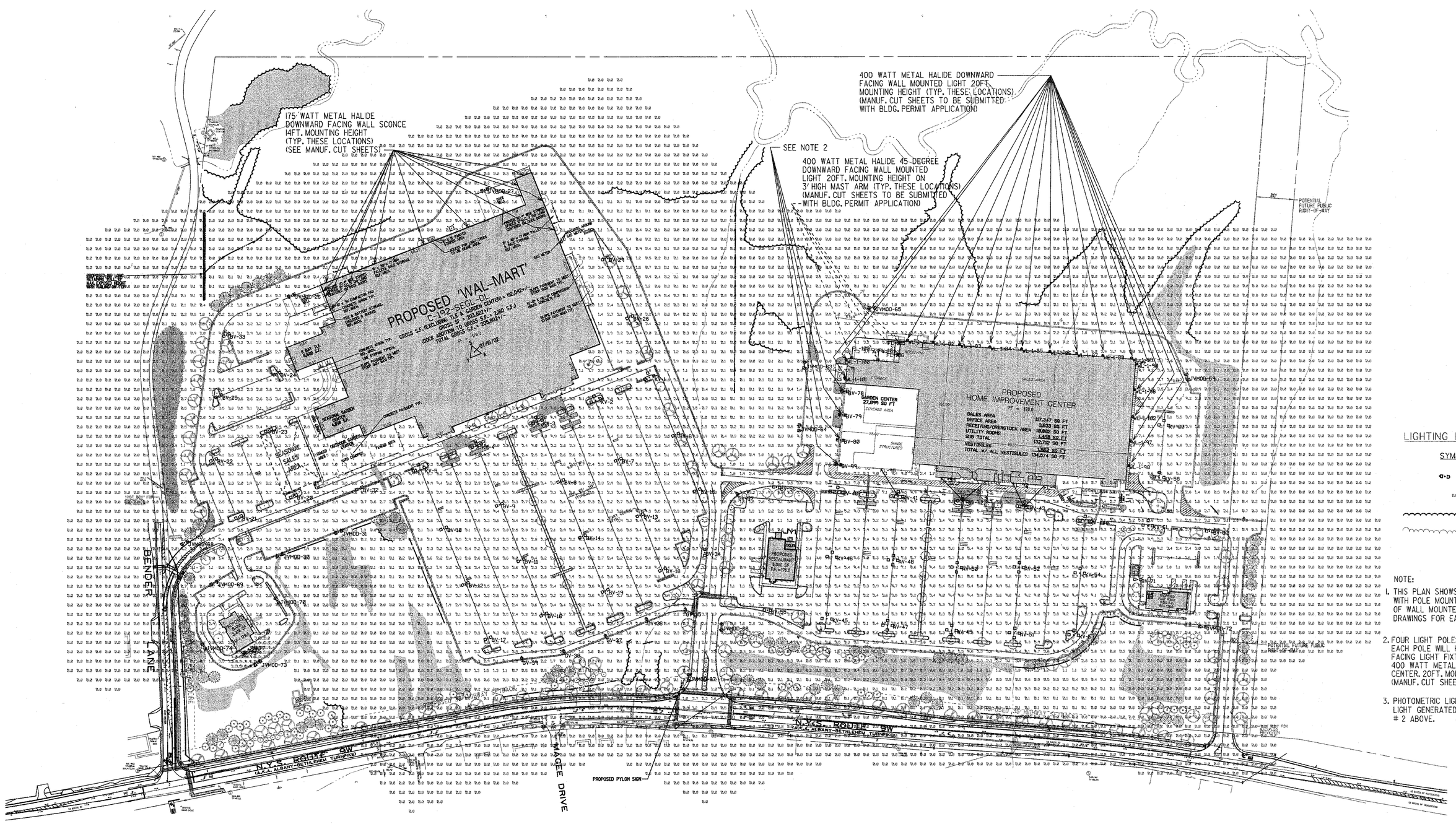
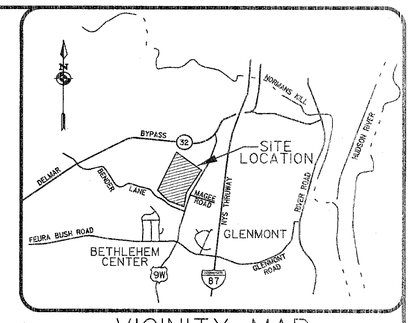
Workspace: DEFAULT
Plotting Scale: 1:1
Project: SBG
Model: PK03141

Plotting Parameters
Plot Date/Time: 3/20/2003 9:00:00 AM
Design File: b:\20ns\16046\sht\sbwen\se13.dgn
Plot Driver: HP7550.PLT
Pen Table: BIBE.PLTBTGI





VICINITY MAP
N.T.S.

No.	Description	DATE	BY
17	VARIOUS PER COND. APPR.	3/19/03	PEB
16	VARIOUS PER COND. APPR.	2/11/03	PEB
15	M.L.C. BLDG, VARIOUS PER COND. APPR.	2/06/03	PEB
14	VARIOUS PER TOWN, LANDSCAPE	12/18/02	PEB
13	PHASING AND LOT DIVISION PLANS	8/14/02	PEB
12	PHASING PLANS PER TOWN COMM.	7/23/02	PEB
11	PHASING AND LOT DIVISION PLANS	7/15/02	PEB
10	PHASING AND LOT DIVISION PLANS	6/18/02	PEB
9	VAR. PER 7/17/02 TOWN COM. LETTER	2/28/02	PEB
8	VAR. PER TOWN, PROFILE SHTS. ADDED	1/31/02	PEB
7	VAR. PER TOWN, TENANTS, WETLAND G. WATERLINE NORTHSIDE TO 10"	12/31/01	PEB
6	VARIOUS PER M.L.C. BLDG., REST., S.D.	11/29/01	PEB
5	VARIOUS PER TOWN	10/29/01	PEB
4	VARIOUS PER TOWN	10/04/01	PEB
3	VARIOUS PER NORTH RETAIL CHANGE	8/22/01	PEB
2	VARIOUS PER TOWN, UTILITIES, CORING	8/01/01	PEB
1	VARIOUS PER TOWN 6/7/01 COMMENTS	6/25/01	PEB
0	REVISIONS	DATE	BY

LIGHTING LEGEND

SYMBOL	DESCRIPTION
•D •D	PROPOSED LIGHT POLES
0.0	LIGHT OUTPUT GRID (FOOTCANDLES)
	PROPOSED TREE LINE
	EXISTING TREE LINE

NOTE:

1. THIS PLAN SHOWS THE LOCATION AND LIGHTING VALUES ASSOCIATED WITH POLE MOUNTED LIGHTING UNITS ONLY. THE LOCATION AND TYPES OF WALL MOUNTED UNITS ARE SHOWN ON THE BUILDING ELEVATION DRAWINGS FOR EACH INDIVIDUAL TENANT.
2. FOUR LIGHT POLES WILL BE LOCATED OUTSIDE OF GARDEN CENTER FENCING. EACH POLE WILL HOLD ONE (1) 400 WATT METAL HALIDE DOWNWARD FACING LIGHT FIXTURE DIRECTED TOWARD THE PARKING AREA, AND ONE (1) 400 WATT METAL HALIDE LIGHT FIXTURE DIRECTED INTO THE GARDEN CENTER. 20FT. MOUNTING HEIGHT (TYP. THESE LOCATIONS) (MANUF. CUT SHEETS TO BE SUBMITTED WITH BLDG. PERMIT APPLICATION)
3. PHOTOMETRIC LIGHT LEVELS SHOWN ON THE PLAN DO NOT INCLUDE LIGHT GENERATED FROM POLE MOUNTED LIGHTS REFERENCED IN NOTE # 2 ABOVE.

LUMINAIRE SCHEDULE

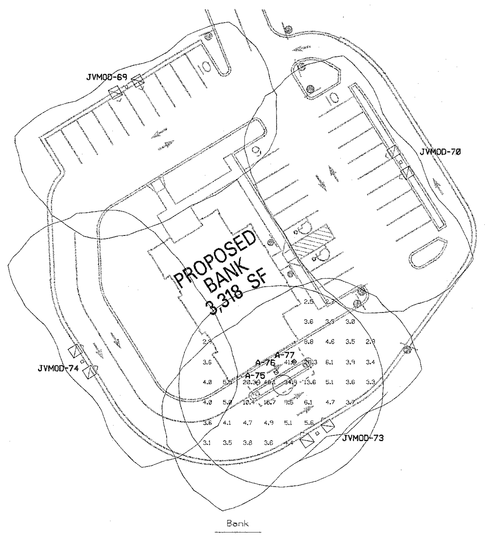
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF
	KV	17	KVF 400M SYMDL	SQUARE AREA LIGHT, SYMMETRIC DISTRIBUTION, DROP LENS.	MH 400/BU/PS	L419429.ies	44000	0.75
	BV	33	KVF 400M SYMDL	SQUARE AREA LIGHT, SYMMETRIC DISTRIBUTION, DROP LENS.	MH 400/BU/PS	L419429.ies	44000	0.75
	JVMOD	30	KVF 400M ASYDL EHS	SQUARE AREA LIGHT, ASYMMETRIC DISTRIBUTION, DROP LENS, HOUSE SIDE SHIELD.	MH 400/BU/PS	L419431.ies	44000	0.75
	DV	6	KVF 400M ASYDL EHS	SQUARE AREA LIGHT, ASYMMETRIC DISTRIBUTION, DROP LENS, HOUSE SIDE SHIELD.	MH 400/BU/PS	L419431.ies	44000	0.75
	A	3	SI 250M RW T73	250 LENSED ORBLUSER/MH	19500 LM LAMP	43127.IES	19500	0.75
	AV	6	KVF 400M SYMDL	SQUARE AREA LIGHT, SYMMETRIC DISTRIBUTION, DROP LENS.	MH 400/BU/PS	L419429.ies	44000	0.75
	WL-1	16	KVF 400M ASYDL	SQUARE AREA LIGHT, ASYMMETRIC DISTRIBUTION, DROP LENS.	MH 400/BU/PS	L419430.ies	44000	0.75
	FL	9	TFA 400M TA	FLOODLIGHT W/HAMMERTONE REFL AND END PANELS, CLEAR GLASS.	MH 400/U	97121602.IES	32000	0.75

NOTE:
1. MOUNTING HEIGHTS FOR LIGHT POLES TO BE 25' ABOVE GROUND LEVEL.
2. FINISH MATERIAL & COLOR FOR LIGHT HOUSINGS TO BE DARK BRONZE ALUMINUM.
3. FINISH MATERIAL & COLOR FOR POLES TO BE DARK BRONZE R.T. ALUMINUM.

STATISTICS

Description	Avg	Max	Min	Max/Min	Avg/Min
Sam's Light Summary	1.4 fc	14.2 fc	0.2 fc	N / A	N / A
Wal-Mart Front Summary	3.3 fc	18.8 fc	1.6 fc	6.8:1	2.0:1
Lowes Front Lot Summary	5.1 fc	14.2 fc	2.5 fc	5.7:1	2.0:1
ATM Summary 5' AFG	8.3 fc	48.3 fc	2.5 fc	19.3:1	3.3:1

NOTES
1. All readings are based on a LLF of .75 at grade.
2. Refer to 'luminaire locations' for mounting heights.
3. Readings are shown as footcandles.



LUMINAIRE LOCATIONS

No.	Label	X	Location Y	Z	MH	Orientation	Tilt	X	Aim Y	Z
1	KV	2607.2	2013.2	25.0	25.0	248.9	0.0			
2	KV	2573.7	2164.4	25.0	25.0	248.9	0.0			
3	KV	2485.6	2119.8	25.0	25.0	248.9	0.0			
4	KV	2503.4	2266.4	25.0	25.0	248.9	0.0			
5	KV	2223.8	2817.6	25.0	25.0	248.9	0.0			
6	BV	2743.8	2891.1	25.0	25.0	66.9	0.0			
7	BV	2622.7	2837.5	25.0	25.0	66.9	0.0			
8	BV	2502.5	2792.8	25.0	25.0	66.9	0.0			
9	BV	2371.3	2741.9	25.0	25.0	66.9	0.0			
10	BV	2223.6	2690.3	25.0	25.0	66.9	0.0			
11	BV	2417.7	3123.5	25.0	25.0	66.9	0.0			
12	BV	2299.3	3772.9	25.0	25.0	66.9	0.0			
13	BV	2627.4	3719.0	25.0	25.0	66.9	0.0			
14	BV	2546.2	3674.1	25.0	25.0	66.9	0.0			
15	BV	2798.7	3972.7	25.0	25.0	66.9	0.0			
16	BV	2465.1	3787.4	25.0	25.0	66.9	0.0			
17	BV	2347.4	3866.8	25.0	25.0	66.9	0.0			
18	BV	2725.0	3882.4	25.0	25.0	66.9	0.0			
19	BV	2594.2	3958.0	25.0	25.0	66.9	0.0			
20	BV	1937.2	3960.0	25.0	25.0	66.9	0.0			
21	BV	1828.9	3925.9	25.0	25.0	66.9	0.0			
22	BV	1768.2	3897.9	25.0	25.0	66.9	0.0			
23	BV	1653.6	3839.5	25.0	25.0	66.9	0.0			
24	BV	1921.0	3722.8	25.0	25.0	66.9	0.0			
25	BV	1778.7	3773.9	25.0	25.0	66.9	0.0			
26	JVMOD	1921.4	3769.8	25.0	25.0	66.9	0.0			
27	JVMOD	2348.4	2614.2	25.0	25.0	69.0	0.0			
28	DV	2945.7	2341.8	25.0	25.0	66.9	0.0			
29	DV	2594.3	2447.6	25.0	25.0	66.9	0.0			
30	JVMOD	1929.8	3834.5	25.0	25.0	247.9	0.0			
31	JVMOD	2833.1	3810.7	25.0	25.0	247.9	0.0			
32	BV	2675.4	3746.9	25.0	25.0	66.9	0.0			
33	BV	1796.2	3324.8	25.0	25.0	66.9	0.0			
34	BV	1825.2	3242.1	25.0	25.0	-0.0	0.0			
35	DV	2753.8	1751.3	25.0	25.0	0.0	0.0	2763.8	1717.2	0.0
36	DV	2663.7	1814.4	25.0	25.0	-25.1	0.0	2681.2	1839.2	0.0
37	DV	2597.6	1855.4	25.0	25.0	-24.3	0.0	2596.3	1861.3	0.0
38	DV	2529.3	1923.1	25.0	25.0	-18.9	0.0	2521.4	1926.7	0.0
39	DV	2428.1	1987.7	25.0	25.0	-5.4	0.0	2419.2	1993.5	0.0
40	KV	3003.9	1968.8	25.0	25.0	-84.1	0.0			

LUMINAIRE LOCATIONS

No.	Label	X	Location Y	Z	MH	Orientation	Tilt	X	Aim Y	Z
41	KV	3212.1	1995.0	25.0	25.0	-90.2	0.0			
42	KV	3148.1	1945.4	25.0	25.0	-90.2	0.0			
43	KV	3477.0	1930.1	25.0	25.0	-84.9	0.0			
44	KV	3451.8	1945.5	25.0	25.0	-84.9	0.0			
45	KV	3403.3	1998.8	25.0	25.0	-85.4	0.0			
46	KV	3372.6	1838.3	25.0	25.0	-85.4	0.0			
47	KV	3348.8	1833.6	25.0	25.0	-85.4	0.0			
48	KV	3318.8	1823.2	25.0	25.0	-85.4	0.0			
49	KV	3325.1	1873.6	25.0	25.0	-85.4	0.0			
50	KV	3336.2	1887.8	25.0	25.0	-85.4	0.0			
51	KV	3430.1	1887.6	25.0	25.0	-85.4	0.0			
52	KV	3466.8	1887.6	25.0	25.0	-85.4	0.0			
53	KV	3560.9	1863.1	25.0	25.0	-85.4	0.0			
54	KV	3594.7	1795.5	25.0	25.0	-85.4	0.0			
55	BV	2727.1	1761.0	25.0	25.0	-53.6	0.0			
56	BV	2956.6	1971.1	25.0	25.0	53.6	0.0			
57	DV	2675.8	1918.6	25.0	25.0	-22.1	0.0	2673.4	1964.8	0.0
58	KV	2722.2	1994.5	25.0	25.0	-85.4	0.0			
59	JVMOD	3833.4	2223.5	25.0	25.0	174.0	0.0			
60	KV	3772.0	2118.8	25.0	25.0	-85.4	0.0			
61	KV	3775.8	1897.2	25.0	25.0	-85.5	0.0			
62	BV	3869.5	1894.8	25.0	25.0	53.6	0.0			
63	JVMOD	3614.8	2375.7	25.0	25.0	5.6	0.0			
64	JVMOD	3683.2	2385.7	25.0	25.0	4.8	0.0			
65	JVMOD	3535.7	2362.1	25.0	25.0	96.4	0.0			
66	JVMOD	3464.4	1688.8	25.0	25.0	103.3	0.0			
67	JVMOD	3778.4	1672.7	25.0	25.0	3.8	0.0			
68	JVMOD	3784.4	1860.2	25.0	25.0	61.0	0.0			
69	JVMOD	3769.8	1775.5	25.0	25.0	61.0	0.0			
70	JVMOD	3583.1	1727.9	25.0	25.0	147.9	0.0			
71	BV	3777.8	1761.5	25.0	25.0	53.6	0.0			
72	JVMOD	3855.8	2582.2	25.0	25.0	-96.1	0.0			
73	JVMOD	3612.8	1823.6	25.0	25.0	234.2	0.0			
74	JVMOD	3748.9	1839.1	25.0	25.0	-33.3	0.0			
75	A	1833.4	3828.8	12.0	12.0	56.5	0.0	1833.4	3828.8	0.0
76	A	1842.1	3835.8	12.0	12.0	56.5	0.0	1842.1	3835.8	0.0
77	A	1858.0	3839.8	12.0	12.0	56.5	0.0	1858.0	3839.8	0.0
78	BV	3899.8	2181.8	25.0	25.0	94.6	0.0			
79	BV	3894.3	2122.4	25.0	25.0	96.7	0.0			
80	BV	3889.5	2079.5	25.0	25.0	96.1	0.0			

LUMINAIRE LOCATIONS

No.	Label	X	Location Y	Z	MH	Orientation	Tilt	X	Aim Y	Z
81	WL-1	3032.8	2782.2	28.0	28.0	3.7	0.0	3032.8	2792.2	0.0
82	WL-1	3285.4	2788.8	28.0	28.0	3.7	0.0	3285.4	2788.8	0.0
83	WL-1	3341.7	2283.4	28.0	28.0	3.7	0.0	3341.7	2283.4	0.0
84	WL-1	3485.3	2277.6	28.0	28.0	3.7	0.0	3485.3	2277.6	0.0
85	WL-1	3473.3	2273.3	28.0	28.0	3.7	0.0	3473.3	2273.3	0.0
86	WL-1	3036.8	2268.1	28.0	28.0	3.7	0.0	3036.8	2268.1	0.0
87	WL-1	3587.5	2263.8	28.0	28.0	3.7	0.0	3587.5	2263.8	0.0
88	WL-1	3643.8	2259.1	28.0	28.0	3.7	0.0	3643.8	2259.1	0.0
89	WL-1	3784.1	2254.8	28.0	28.0	3.7	0.0	3784.1	2254.8	0.0
90	WL-1	3314.8	2241.3	28.0	28.0	94.2	0.0	3314.8	2241.3	0.0
91	FL	3480.9	1975.9	28.0	28.0	43.0	65.0	3576.6	1918.8	15.0
92	FL	2474.2	1941.1	28.0	28.0	-23.9	64.3	3454.8	2165.7	15.0
93	FL	3251.9	1953.8	28.0	28.0	45.5	85.0	3398.8	1983.3	15.0
94	FL	3345.3	1964.3	28.0	28.0	-13.5	85.4	3365.6	1996.7	15.0
95	FL	3288.8	1964.5	28.0	28.0	-12.8	85.4	3375.5	2000.8	15.0
96	WL-1	3789.6	2186.4	28.0	28.0	94.2	0.0	3789.6	2186.4	0.0
97	WL-1	3780.8	2877.4	28.0	28.0	94.2	0.0	3780.8	2877.4	0.0
98	WL-1	3597.8	2824.7	28.0	28.0	94.2	0.0	3597.8	2824.7	0.0
99	BV	3865.1	2837.2	25.0	25.0	95.1	0.0			
100	WL-1	3583.8	2258.2	28.0	28.0	-87.1	0.0	3583.8	2258.2	0.0
101	WL-1	3879.6	2253.7	28.0	28.0	-87.1	0.0	3879.6	2253.7	0.0
102	WL-1	3785.9	2251.1	28.0	28.0	94.2	0.0	3785.9	2251.1	0.0
103	FL	3014.1	2205.8	23.0	23.0	4.0	45.0	3016.1	2276.7	0.0
104	FL	3015.3	2286.1	23.0	23.0	4.0	45.0	3171.2	2274.8	0.0
105	FL	3014.1	2207.9	23.0	23.0	-164.9	45.0	3174.2	2278.0	0.0
106	FL	3015.7	2282.1	23.0	23.0	-164.9	45.0	3019.6	2284.1	0.0

INCHES
Town of Bethlehem, NY

0 100 200 300
SCALE IN FEET

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PROJECT ENGINEER/ARCHITECT
L. MERWIN
PROJECT MANAGER
F. PALUMBO

DRAWN BY
F. DALASCO
SCALE
1"= 100'

FIRST ISSUE DATE
5/24/2001

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PROJECT
BETHLEHEM TOWN CENTER
GLENMONT, NEW YORK
NIGRO COMPANIES

TITLE OF DRAWING
OVERALL LIGHTING PLAN

PROJECT NO.
16046

DRAWING NO.
SE 13