POST LIGHT

MANUFACTURER -MCGRAW EDISON
MODEL - GLEON GALLEON LED
16' MOUNTING HEIGHT
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS

BOLLARD LIGHT

MANUFACTURER - ERCO
MODEL - CASTOR 33929
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS

SCALE 1" = 80'
0 80' 160' 240'

DATE:

NO. Revisions or Type of Drawing Submittal

Seal:

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

PHASE I
LIGHTING
PLAN

Project:

THE
NORTH 60

HOSPITAL RD &
ROUTE 9A
MOUNT PLEASANT, NY

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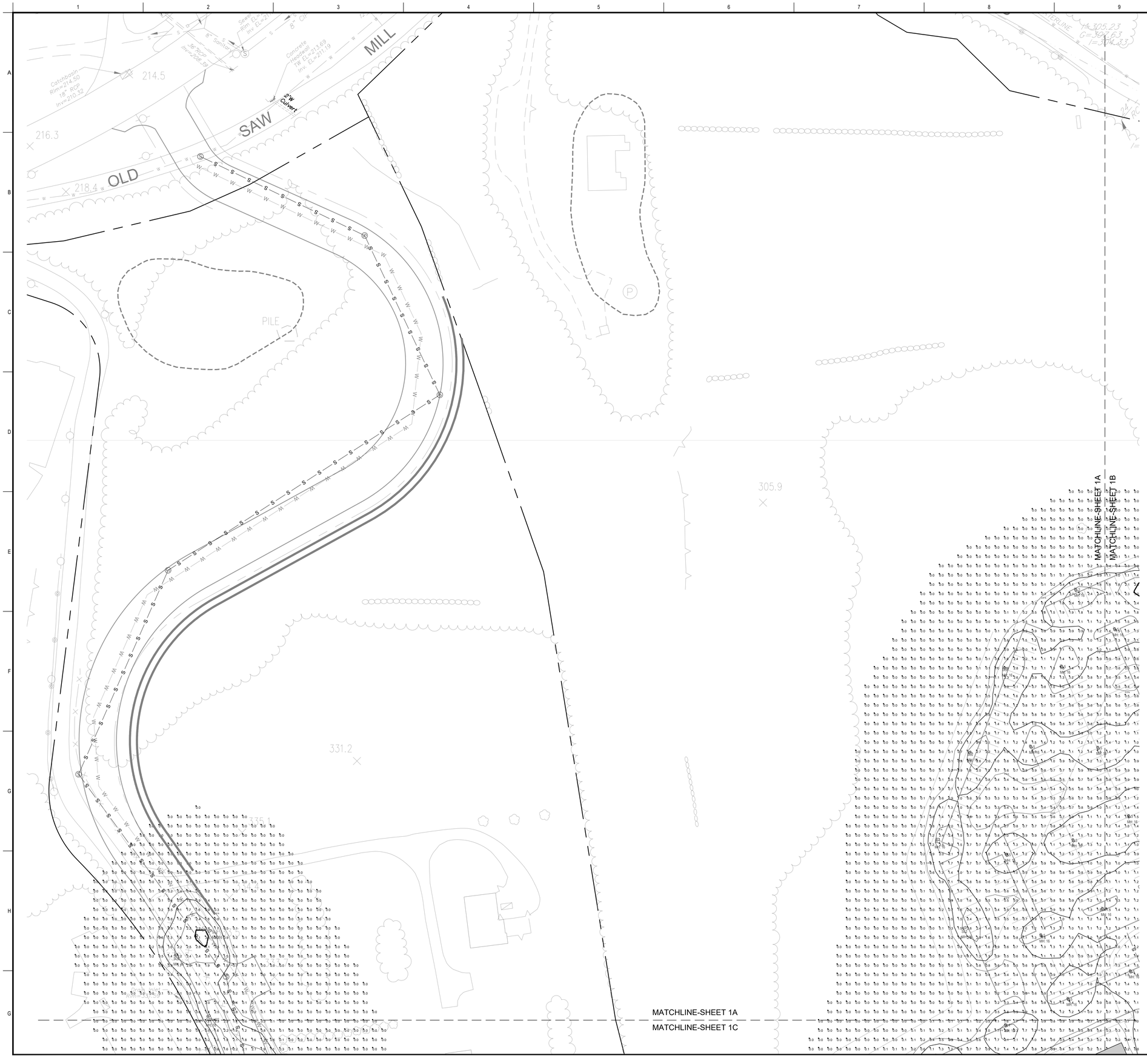
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date:	AUGUST 30, 2019
Drawn By:	dpp
Scale:	1" = 80'
North:	N
Sheet:	LA - 1



PHOTOMETRIC CALCULATIONS ADDED FROM PLANS AS PREPARED BY REFLEX LIGHTING DATED - AUGUST 20, 2019
SEE SUMMARY CALCULATIONS ON SHEET LA-1D

SCALE 1" = 40'

0 40' 80' 120'

NO.	Revisions or Type of Drawing Submittal	DATE:
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Seal:

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PHASE I

LIGHTING PLAN

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A
MOUNT PLEASANT, NY

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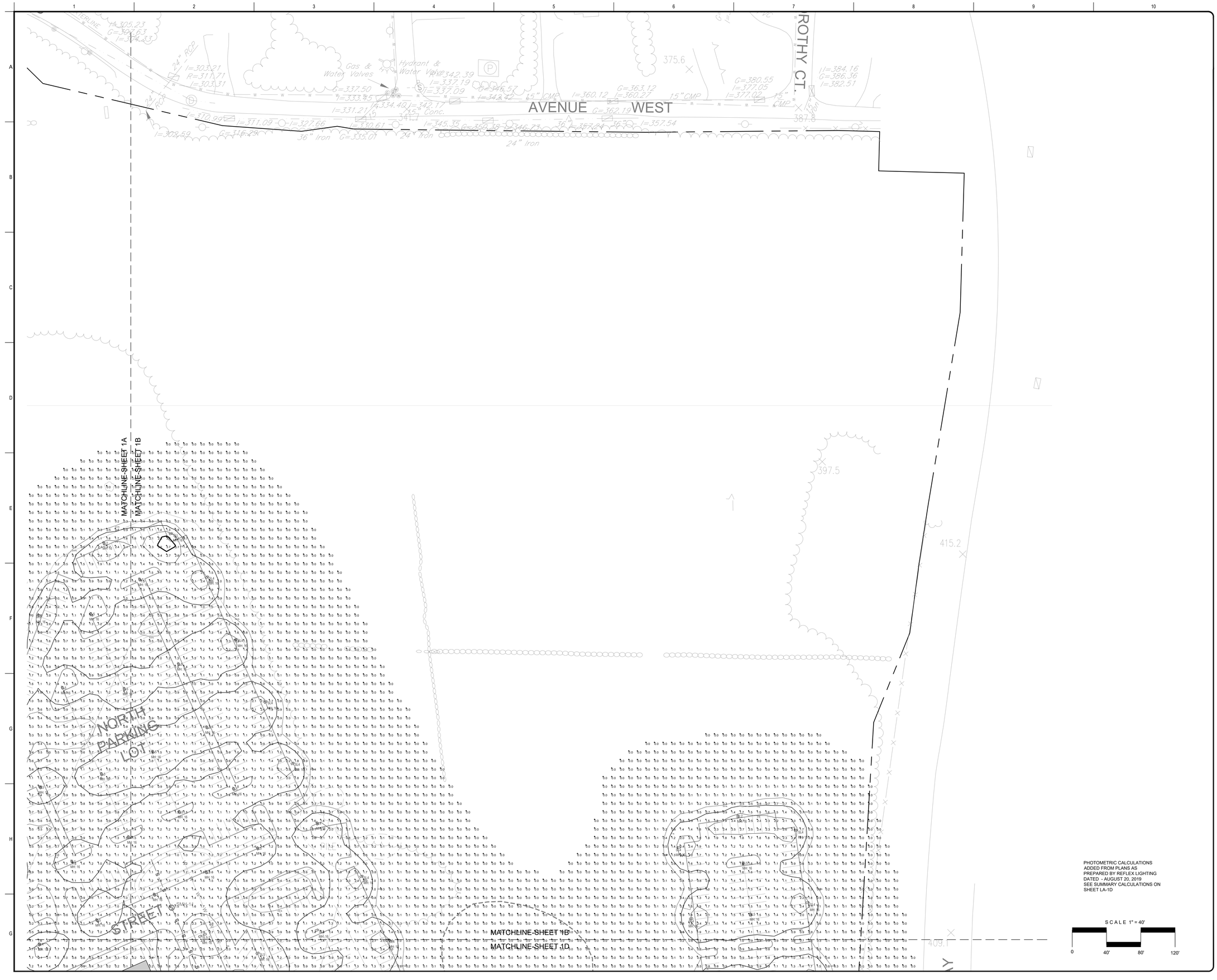
Scale:	1" = 40'
North:	N
Sheet:	LA - 1a



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PLAN

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THE
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Scale:	1" = 40'
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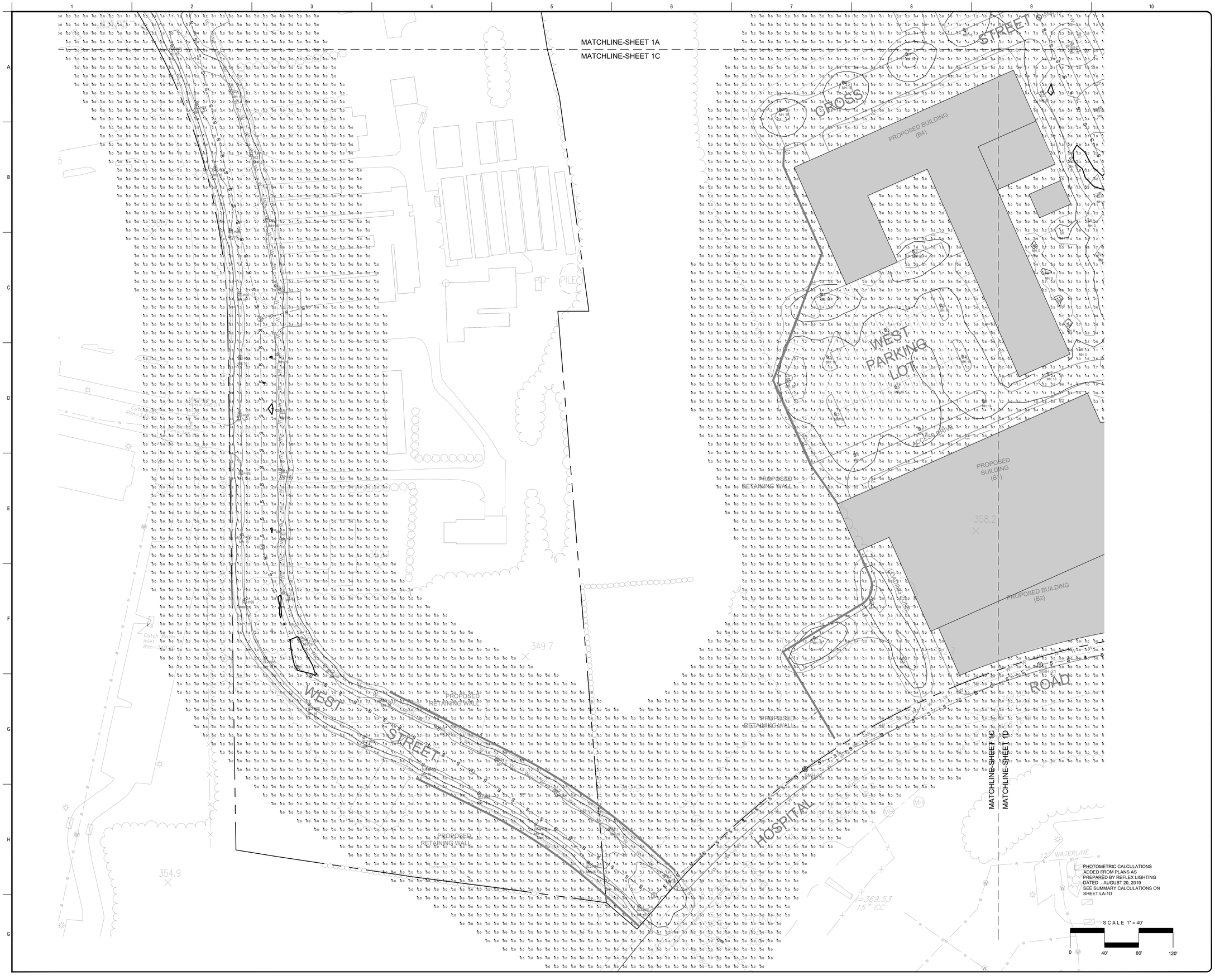
Sheet:	LA - 1b



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Date:	AUGUST 30, 2019
Drawn By:	dpp
Scale:	1" = 40'
North:	N
Sheet:	LA - 1c

Luminaire Schedule							
Qty	Symbol	Label	Tag	Description	Lum. Lumens	Lum. Watts	LLF
37		SB	Erco	35751.023	701	28	0.900
38		SL2	McGraw-Edison	GLEON-AF-01-LED-E1-SL2	6245	59	0.900
18		SL2-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL2-HSS	5281	59	0.900
29		SL4	McGraw-Edison	GLEON-AF-01-LED-E1-T4FT	6414	59	0.900
5		SL4-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL4-HSS	5175	59	0.900
63		SL5	McGraw-Edison	GLEON-AF-01-LED-E1-SWQ	6715	59	0.900
10		SL5-2	McGraw-Edison	GLEON-AF-01-LED-E1-SWQ	6715	59	0.900
1		SLL	McGraw-Edison	GLEON-AF-01-LED-E1-SLL	5604	59	0.900

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site_Planar	Illuminance	Fc	0.56	3.9	0.0	N.A.	N.A.
Access Drive	Illuminance	Fc	1.21	2.6	0.3	4.03	8.67
Central Parking Lot	Illuminance	Fc	1.22	2.7	0.4	3.05	6.75
Cross Street	Illuminance	Fc	1.11	2.4	0.3	3.70	8.00
Drive	Illuminance	Fc	1.08	3.9	0.1	10.80	39.00
East Parking Lot	Illuminance	Fc	1.40	2.7	0.7	2.00	3.86
Hotel Drive	Illuminance	Fc	0.95	2.3	0.0	N.A.	N.A.
Loading Zone	Illuminance	Fc	0.98	2.7	0.0	N.A.	N.A.
Main Street	Illuminance	Fc	2.32	3.5	1.3	1.78	2.69
North Parking Lot	Illuminance	Fc	1.08	3.7	0.2	5.40	18.50
West Parking Lot	Illuminance	Fc	1.16	2.8	0.2	5.80	14.00
West Street	Illuminance	Fc	2.27	3.4	0.0	N.A.	N.A.

PHOTOMETRIC CALCULATIONS
ADDED FROM PLANS AS
PREPARED BY REFLEX LIGHTING
DATED - AUGUST 20, 2019
SEE SUMMARY CALCULATIONS ON
SHEET LA-1D

SCALE 1" = 40'

0 40' 80' 120'

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HOSPITAL RD &
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(203) 894-1429 Fax

Date: AUGUST 30, 2019

Drawn By: dpp

Scale: 1" = 40'

North: N

Sheet:

LA - 1d

POST LIGHT

MANUFACTURER -MCGRAW EDISON
MODEL - GLEON GALLEON LED
16' MOUNTING HEIGHT
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS

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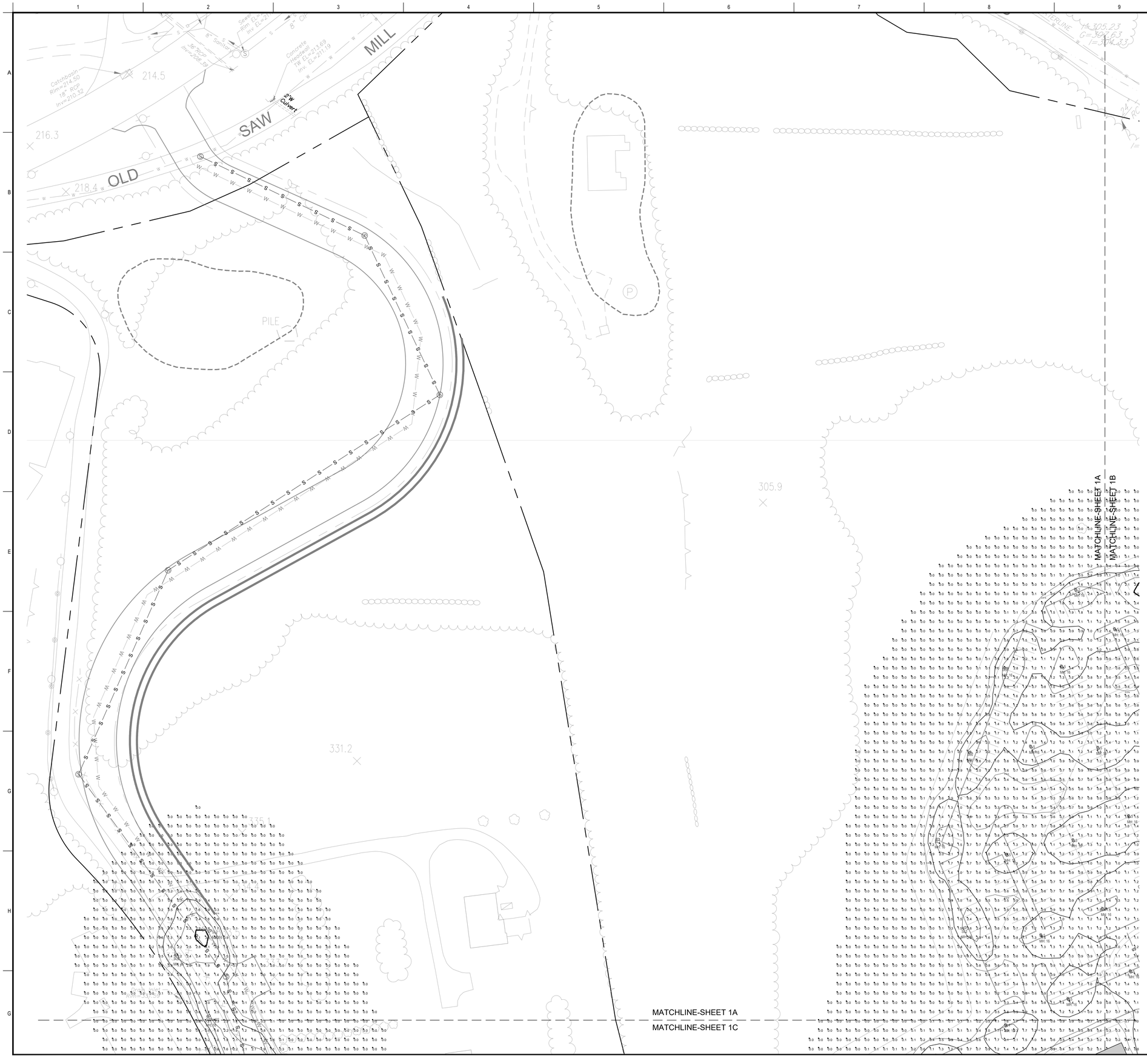

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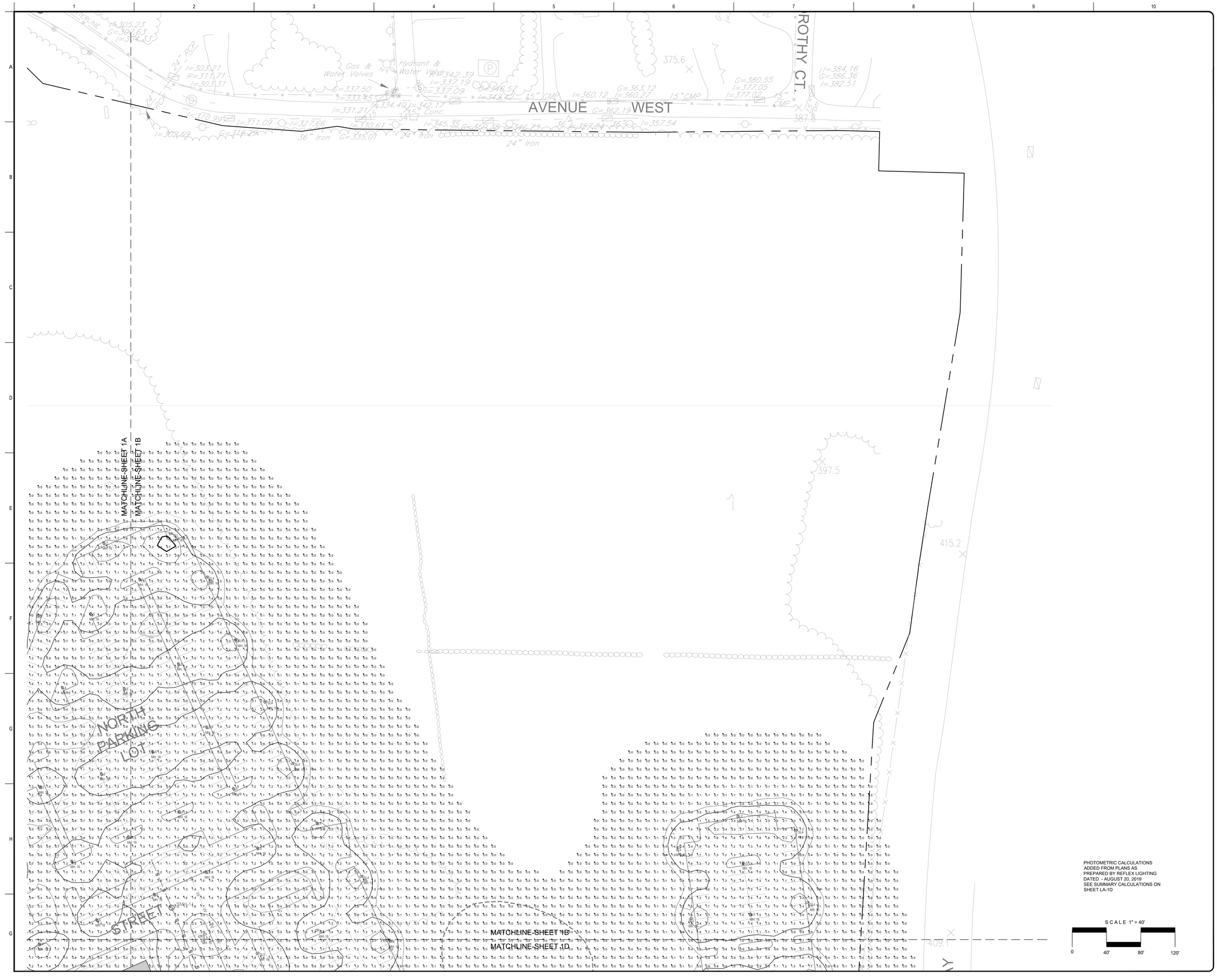

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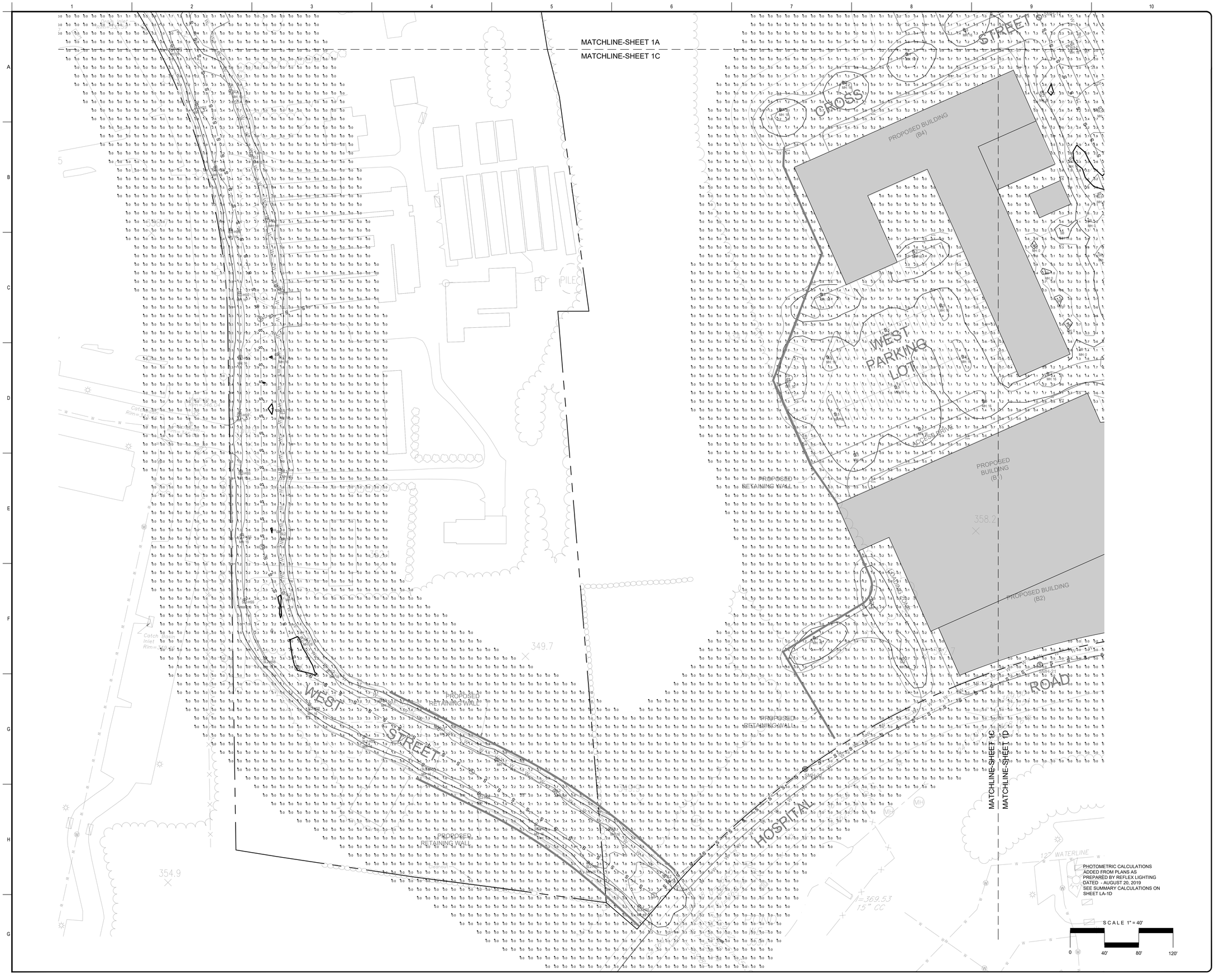

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10		SL5-2	McGraw-Edison	GLEON-AF-01-LED-E1-SWQ	6715	59	0.900
1		SLL	McGraw-Edison	GLEON-AF-01-LED-E1-SLL	5604	59	0.900

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PHOTOMETRIC CALCULATIONS
ADDED FROM PLANS AS
PREPARED BY REFLEX LIGHTING
DATED - AUGUST 20, 2019
SEE SUMMARY CALCULATIONS ON
SHEET LA-1D

SCALE 1" = 40'

0 40' 80' 120'

NO.	Revisions or Type of Drawing Submittal	DATE:
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PHASE 1

LIGHTING
PLAN

Project:

THE
NORTH 60

HOSPITAL RD &
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(203) 894-1429 Fax

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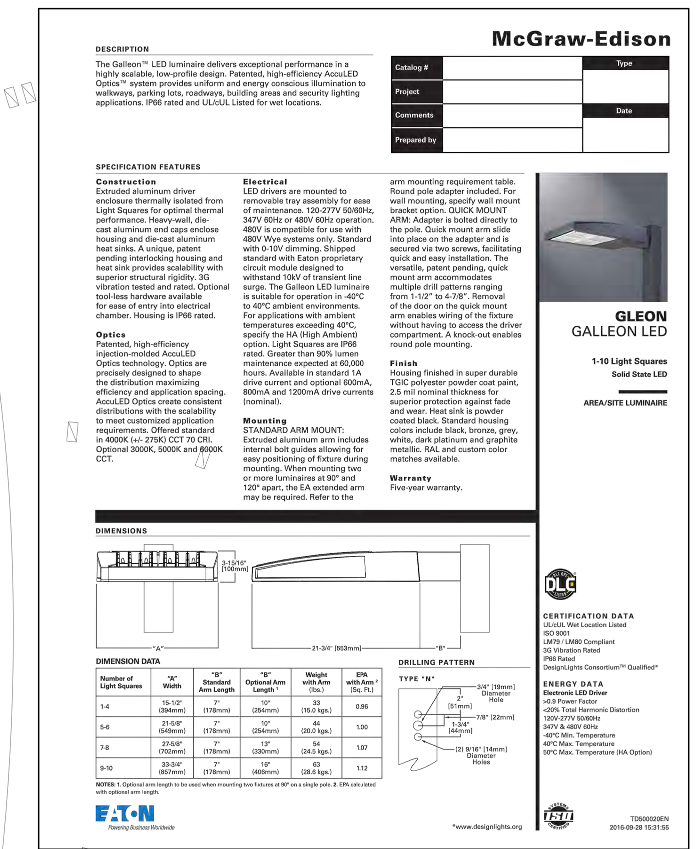
Drawn By: dpp

Scale: 1" = 40'

North: N

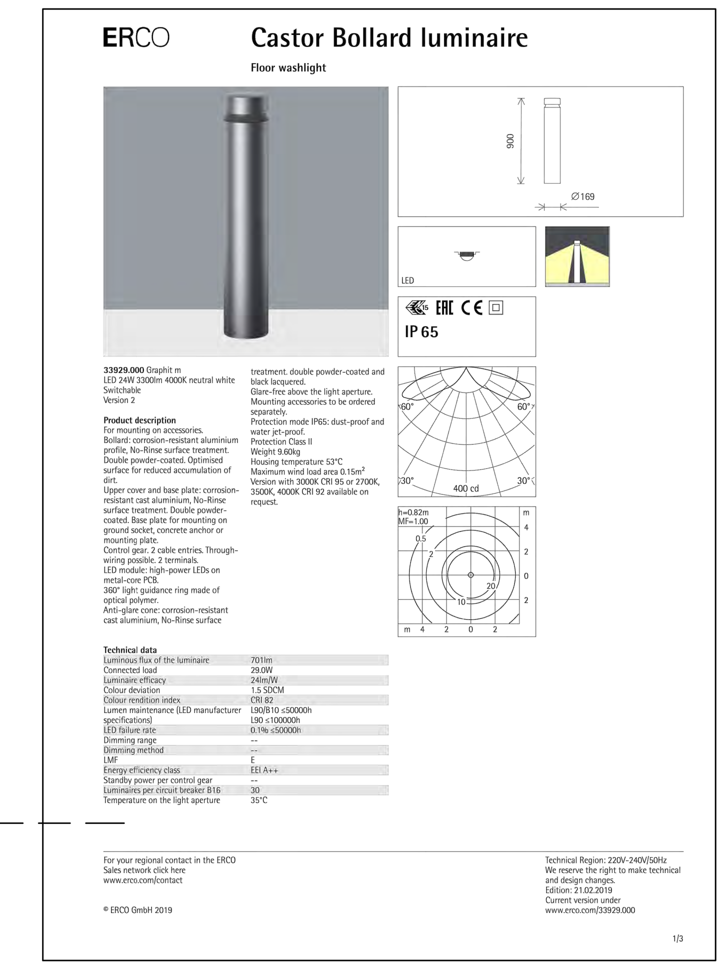
Sheet:

LA - 1d



POST LIGHT

MANUFACTURER -MCGRAW EDISON
MODEL - GLEON GALLEON LED
16' MOUNTING HEIGHT
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS



BOLLARD LIGHT

MANUFACTURER - ERCO
MODEL - CASTOR 33929
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS

SCALE 1" = 80'

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PHASE 2
LIGHTING PLAN

Project:

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HOSPITAL RD & ROUTE9A
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Date:	AUGUST 30, 2019
Drawn By:	dpp
Scale:	1" = 80'
North:	N
Sheet:	LA - 2

MILL

SAW

OLD

WEST STREET

NORTH STREET

SOUTH STREET

PILE

BUILDING 24

BUILDING 23

BUILDING 12

BUILDING 13

BUILDING 10

BUILDING 9

MATCHLINE-SHEET 2A
MATCHLINE-SHEET 2B

MATCHLINE-SHEET 2A
MATCHLINE-SHEET 2C

PHOTOMETRIC CALCULATIONS
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DATED - AUGUST 20, 2019
SEE SUMMARY CALCULATIONS ON
SHEET LA-2D

SCALE 1" = 40'

0 40' 80' 120'

NO.	Revisions or Type of Drawing Submittal	DATE:
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Sheet:	LA - 2a

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Scale:	1" = 40'
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Sheet:	LA - 2b

MATCHLINE-SHEET 2A

MATCHLINE-SHEET 2C

Lot Area = 19.2038 acres

BUILDING 22

BUILDING 4

BUILDING 21

G3
5 LEVELS
PARKING

BUILDING 20

BUILDING 19

BUILDING 8

CROSS DRIVE

ZONE LINE

WEST STREET

HOSPITAL RD.

MATCHLINE-SHEET 2C

MATCHLINE-SHEET 2D

334.5

334.7

358.2

352.1

349.7

354.9

Catchbasin
Rim=334.38

Drain Inlet
Rim=330.30

Catchbasin
Rim=330.62

I=369.53
15" CC

PHOTOMETRIC CALCULATIONS
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DESIGN
ASSOCIATES, INC.

LANDSCAPE ARCHITECTS
AND SITE PLANNERS

679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date:	AUGUST 30, 2019
Drawn By:	dpp
Scale:	1" = 40'
North:	N
Sheet:	LA - 2c

Luminaire Schedule							
Qty	Symbol	Label	Tag	Description	Lum. Lumens	Lum. Watts	LLF
93		SB	Erco	35751.023	701	28	0.900
104		SL2	McGraw-Edison	GLEON-AF-01-LED-E1-SL2	6245	59	0.900
19		SL2-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL2-HSS	5281	59	0.900
39		SL4	McGraw-Edison	GLEON-AF-01-LED-E1-T4FT	6414	59	0.900
10		SL4-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL4-HSS	5175	59	0.900
20		SL5	McGraw-Edison	GLEON-AF-01-LED-E1-SWQ	6715	59	0.900

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site_Planar	Illuminance	Fc	0.56	3.6	0.0	N.A.	N.A.
Access Drive	Illuminance	Fc	1.76	2.8	0.1	17.60	28.00
Collector Street	Illuminance	Fc	1.27	2.7	0.2	6.35	13.50
Cross Street	Illuminance	Fc	2.52	3.6	0.3	8.40	12.00
Drive	Illuminance	Fc	0.96	2.3	0.2	4.80	11.50
East Drive & Parking	Illuminance	Fc	1.51	2.8	0.3	5.03	9.33
Hotel Drive	Illuminance	Fc	1.55	2.5	0.8	1.94	3.13
Loading Zone	Illuminance	Fc	0.89	2.7	0.0	N.A.	N.A.
Main Street	Illuminance	Fc	1.36	2.6	0.5	2.72	5.20
North Street	Illuminance	Fc	2.37	3.2	0.2	11.85	16.00
Science Drive	Illuminance	Fc	1.45	3.6	0.6	2.42	6.00
West Street	Illuminance	Fc	2.31	3.5	0.6	3.85	5.83

PHOTOMETRIC CALCULATIONS
ADDED FROM PLANS AS
PREPARED BY REFLEX LIGHTING
DATED - AUGUST 20, 2019
SEE SUMMARY CALCULATIONS ON
SHEET LA-2D

SCALE 1" = 40'

0 40' 80' 120'

NO.	Revisions or Type of Drawing Submittal	DATE:
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Seal:

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

PHASE I

LIGHTING
PLAN

Project:

THE
NORTH 60

HOSPITAL RD &
ROUTE 9A
MOUNT PLEASANT, NY

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LANDSCAPE ARCHITECTS
AND SITE PLANNERS

679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date: AUGUST 30, 2019

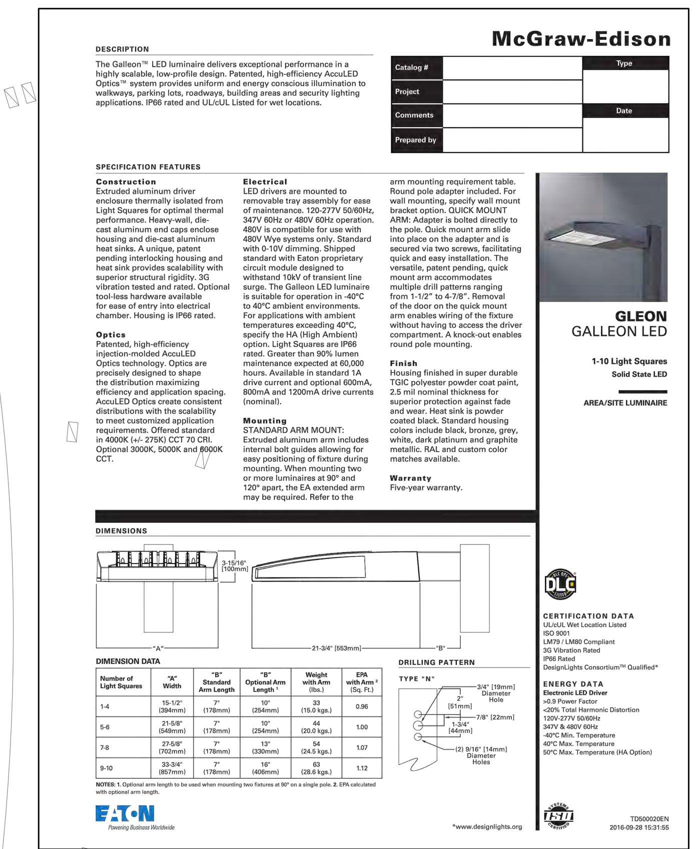
Drawn By: dpp

Scale:

North: N

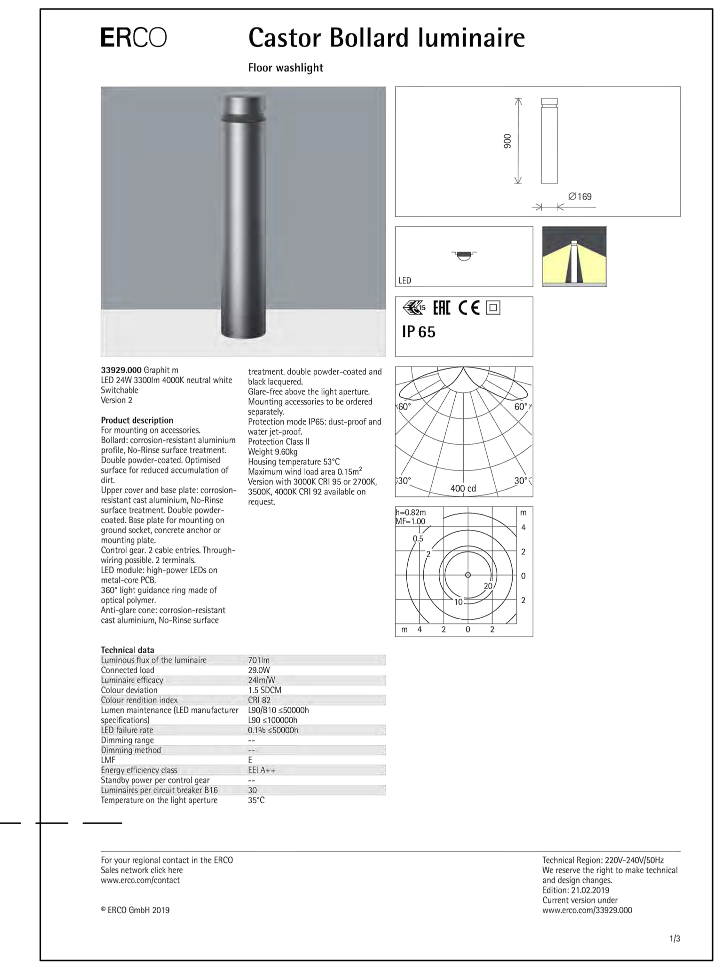
Sheet:

LA - 2d



POST LIGHT

MANUFACTURER -MCGRAW EDISON
MODEL - GLEON GALLEON LED
16' MOUNTING HEIGHT
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS



BOLLARD LIGHT

MANUFACTURER - ERCO
MODEL - CASTOR 33929
SEE PHOTOMETRIC PLAN BY REFLEX LIGHTING AND FOLLOWING SHEETS FOR ENLARGEMENT CALCULATIONS

SCALE 1" = 80'

0 80' 160' 240'

NO.	Revisions or Type of Drawing Submittal	DATE:
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Seal:

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Title:

PHASE 2
LIGHTING PLAN

Project:

THE NORTH 60

HOSPITAL RD & ROUTE9A
MOUNT PLEASANT, NY

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LANDSCAPE ARCHITECTS AND SITE PLANNERS
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Date: AUGUST 30, 2019
Drawn By: dpp
Scale: 1" = 80'
North: N

Sheet: LA - 2

MILL

SAW

OLD

WEST STREET

NORTH STREET

SOUTH STREET

PILE

BUILDING 24

BUILDING 23

BUILDING 12

BUILDING 13

BUILDING 10

BUILDING 9

MATCHLINE-SHEET 2A
MATCHLINE-SHEET 2B

MATCHLINE-SHEET 2A
MATCHLINE-SHEET 2C

PHOTOMETRIC CALCULATIONS
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SEE SUMMARY CALCULATIONS ON
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SCALE 1" = 40'

0 40' 80' 120'

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PHASE 1

LIGHTING
PLAN

Project:

THE
NORTH 60

HOSPITAL RD &
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MOUNT PLEASANT, NY

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Sheet:	LA - 2a

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SHEET LA-2D

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THE
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HOSPITAL RD &
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Scale:	1" = 40'
North:	N
Sheet:	LA - 2b

MATCHLINE-SHEET 2A

MATCHLINE-SHEET 2C

Lot Area = 19.2038 acres

BUILDING 22

BUILDING 4

BUILDING 21

G3
5 LEVELS
PARKING

BUILDING 20

BUILDING 19

BUILDING 8

CROSS DRIVE

ZONE LINE

WEST STREET

HOSPITAL RD.

MATCHLINE-SHEET 2C

MATCHLINE-SHEET 2D

334.5

334.7

358.2

352.1

349.7

354.9

Catchbasin
Rim=334.38

Drain Inlet
Rim=330.30

Catchbasin
Rim=330.62

I=369.53
15" CC

PHOTOMETRIC CALCULATIONS
ADDED FROM PLANS AS
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DATED - AUGUST 20, 2019
SEE SUMMARY CALCULATIONS ON
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SCALE 1" = 40'

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East Drive & Parking	Illuminance	Fc	1.51	2.8	0.3	5.03	9.33
Hotel Drive	Illuminance	Fc	1.55	2.5	0.8	1.94	3.13
Loading Zone	Illuminance	Fc	0.89	2.7	0.0	N.A.	N.A.
Main Street	Illuminance	Fc	1.36	2.6	0.5	2.72	5.20
North Street	Illuminance	Fc	2.37	3.2	0.2	11.85	16.00
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West Street	Illuminance	Fc	2.31	3.5	0.6	3.85	5.83

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DATED - AUGUST 20, 2019
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SCALE 1" = 40'

0 40' 80' 120'

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Seal:

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Title:

PHASE I

LIGHTING
PLAN

Project:

THE
NORTH 60

HOSPITAL RD &
ROUTE 9A
MOUNT PLEASANT, NY

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679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date: AUGUST 30, 2019

Drawn By: dpp

Scale:

North: N

Sheet:

LA - 2d

PLANTING NOTES

1. BIDS SHALL INCLUDE SITE PREPARATION, PERCOLATION TESTS, PLANTING MEDIUMS, PLANT MATERIALS, TREE PITS, INSTALLATION, STAKING & GUYING, FERTILIZER, MULCH, & PLANT GUARANTEES UNLESS NOTED OTHERWISE.
2. PROVIDE & INSTALL PLANTINGS IN COMPLIANCE WITH STANDARDS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL & NURSERYMEN PRACTICES. SIZE & GRADING STANDARDS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK; PLANTS SHALL EQUAL OR EXCEED NOTED SIZES.
3. ADJUST EXISTING IRRIGATION SYSTEM TO COVER NEW PLANTING AREAS OR COORDINATE SERVICES WITH OWNER'S IRRIGATION CONTRACTOR AS REQUIRED TO ENSURE NEW PLANTINGS ARE ADEQUATELY IRRIGATED.

SEEDING NOTES

1. SEEDING WINDOWS SHALL BE BETWEEN APRIL & JUNE 1ST, & BETWEEN AUGUST 15TH &OCTOBER 1ST, OR DURING PERIODS OF SUITABLE WEATHER CONDITIONS.
2. ROTO-TILL COMPACTED AREAS PRIOR TO SEEDING AND INSTALL 1" OF LOOSELY-APPLIED SHREDDED STRAW IN A UNIFORM LAYER TO ALL SEEDED AREAS; APPLY EROSION CONTROL MEASURES TO SLOPES IN EXCESS OF 1:2.
3. TOPSOIL: PROVIDE & INSTALL SPECIFIED QUANTITIES FOR SEEDING OPERATIONS; STATE TOTAL AMOUNTS, IN CUBIC YARDS, OF TOPSOIL NEEDED IN PROPOSAL.
4. APPLY STARTER FERTILIZER AT THE RATE RECOMMENDED BY MANUFACTURER.
5. RE-SEED ALL AREAS NOT SHOWING A SATISFACTORY STAND OF GRASS AFTER 30 DAYS & CONTINUE TO DO SO UNTIL A HEALTHY & STAND OF GRASS HAS BEEN ESTABLISHED.

TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 1 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	145	87
12"	0.8	163	130.4
14"	1.1	95	104.5
16"	1.4	65	91
18"	1.8	48	86.4
20"	2.2	32	70.4
22"	2.6	9	23.4
24"	3.1	39	120.9
26"	3.7	14	51.8
28"	4.3	18	77.4
30"	4.9	29	142.1
32"	5.5	9	49.5
36"	7	21	147
38"	7.5	2	15
40"	8	13	104
			1300.8

NO.	Revisions or Type of Drawing Submittal	DATE:

Seal:

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Title:

TREE DENSITY CALCULATION WORKSHEET

PHASE 1

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date:	JANUARY 7, 2020
Drawn By:	DPP
Scale:	1" = 80'
North:	N
Sheet:	SK - 1

SCALE 1" = 80'
0 80' 160' 240'

PLANTING NOTES

1. BIDS SHALL INCLUDE SITE PREPARATION, PERCOLATION TESTS, PLANTING MEDIUMS, PLANT MATERIALS, TREE PITS, INSTALLATION, STAKING & GUYING, FERTILIZER, MULCH, & PLANT GUARANTEES UNLESS NOTED OTHERWISE.
2. PROVIDE & INSTALL PLANTINGS IN COMPLIANCE WITH STANDARDS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL & NURSERYMEN PRACTICES. SIZE & GRADING STANDARDS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK; PLANTS SHALL EQUAL OR EXCEED NOTED SIZES.
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2. ROTO-TILL COMPACTED AREAS PRIOR TO SEEDING AND INSTALL 1" OF LOOSELY-APPLIED SHREDDED STRAW IN A UNIFORM LAYER TO ALL SEEDED AREAS; APPLY EROSION CONTROL MEASURES TO SLOPES IN EXCESS OF 12.
3. TOPSOIL: PROVIDE & INSTALL SPECIFIED QUANTITIES FOR SEEDING OPERATIONS; STATE TOTAL AMOUNTS, IN CUBIC YARDS, OF TOPSOIL NEEDED IN PROPOSAL.
4. APPLY STARTER FERTILIZER AT THE RATE RECOMMENDED BY MANUFACTURER.
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TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 2 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	65	39
12"	0.8	80	64
14"	1.1	45	49.5
16"	1.4	30	42
18"	1.8	23	41.4
20"	2.2	15	33
22"	2.6	3	7.8
24"	3.1	13	40.3
26"	3.7	3	11.1
28"	4.3	4	17.2
30"	4.9	17	83.3
32"	5.5	3	16.5
36"	7	10	70
38"	7.5	1	7.5
40"	8	6	48
			570.6

Area 1

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	39	23.4
12"	0.8	30	24
14"	1.1	17	18.7
16"	1.4	7	9.8
18"	1.8	12	21.6
20"	2.2	6	13.2
22"	2.6	1	2.6
24"	3.1	1	3.1
26"	3.7	1	3.7
28"	4.3	1	4.3
30"	4.9	1	4.9
32"	5.5	1	5.5
34"	6.2	1	6.2
36"	7	1	7
38"	7.5	1	7.5
40"	8	1	8
			180.5

Area 2

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	41	24.6
12"	0.8	33	26.4
14"	1.1	21	23.1
16"	1.4	16	22.4
18"	1.8	8	14.4
20"	2.2	6	13.2
22"	2.6	2	5.2
24"	3.1	9	27.9
26"	3.7	3	11.1
28"	4.3	2	8.6
30"	4.9	10	49
32"	5.5	2	11
34"	6.2	1	6.2
36"	7	9	63
38"	7.5	1	7.5
40"	8	5	40
			344.6

Area 3

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	1	0.6
12"	0.8	2	1.6
14"	1.1	2	2.2
16"	1.4	1	1.4
18"	1.8	0	0
20"	2.2	2	4.4
22"	2.6		0
24"	3.1		0
26"	3.7	0	0
28"	4.3	0	0
30"	4.9	0	0
32"	5.5		0
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			10.2

Area 4

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	7	4.2
12"	0.8	7	5.6
14"	1.1	2	2.2
16"	1.4	1	1.4
18"	1.8	1	1.8
20"	2.2		0
22"	2.6	1	2.6
24"	3.1	1	3.1
26"	3.7		0
28"	4.3	3	12.9
30"	4.9	3	14.7
32"	5.5	1	5.5
34"	6.2		0
36"	7	1	7
38"	7.5		0
40"	8		0
			64.7

Area 5

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	3	1.8
12"	0.8	4	3.2
14"	1.1	4	4.4
16"	1.4	3	4.2
18"	1.8	3	5.4
20"	2.2	3	6.6
22"	2.6	1	2.6
24"	3.1	3	9.3
26"	3.7		0
28"	4.3		0
30"	4.9		0
32"	5.5	2	11
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			57.5

Area 6 - trees in R.O.W.; not included

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	1	0.6
12"	0.8	1	0.8
14"	1.1		0
16"	1.4		0
18"	1.8	3	5.4
20"	2.2		0
22"	2.6		0
24"	3.1		0
26"	3.7		0
28"	4.3		0
30"	4.9		0
32"	5.5		0
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			6.8

SCALE 1" = 80'

0 80' 160' 240'

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TREE DENSITY CALCULATION WORKSHEET

PHASE 2

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date:	JANUARY 7, 2020
Drawn By:	DPP
Scale:	1" = 80'
North:	N
Sheet:	SK - 2

AREA 9 - BLUE
AREA 10 - ORANGE

Tree List

Tag# - Type - Size

105 oak 34
214 oak 33
222 oak 18-18
280 oak cluster
311 locust 36
312 locust 30
313 maple 10
314 hickory 14
PZ-2 315 maple 8
316 maple 12
317 elm 12
318 locust 30
319 maple 10
320 oak 14
321 wild cherry 12
322 wild cherry 8
323 hickory 12
324 maple 8
325 maple 12
326 maple 8
327 ash 10
328 pine 24
329 hickory 14
331 maple 10
TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)
332 elm 10
333 elm 12
334 ash 14
335 tulip 20-18
336 elm 14
337 ash 18
337 maple 12
338 hickory 12
338 maple 16
339 hickory 8
PZ-2 340 maple 12
341 maple 10
342 elm 10
343 hickory 16
344 hickory 10
345 elm 10
346 hickory 8
347 ash 12
348 elm 12
349 tulip 24-20-18
350 elm 8
351 hickory 4-10
352 wild cherry 20
353 maple 14
354 elm 12
355 tulip 16
356 tulip 18
357 maple 14
358 maple 10
359 maple 12
360 pine 26
361 pine 36
362 pine 14
363 pine 36
364 maple 16
365 pine 14
366 pine 24
369 locust 30-18
370 maple 10
371 maple 14
372 elm 14
373 maple 24
374 maple 10
375 maple 20
376 tulip 30
377 maple 16
378 elm 14
379 pine 30
380 pine 18-18
381 pine 30
382 maple 12
383 maple 16
384 locust 30
385 locust 36
386 locust 36
387 locust 16
388 maple 20
PZ-2 389 maple 12
390 locust 36
391 maple 24
392 locust 36
393 maple 14
394 maple 30
395 maple 10
396 maple 20-16
397 maple 18
398 maple 10
399 beech 18
400 maple 10
401 maple 10
402 maple 14
403 hickory 14
404 locust 10
405 oak 12
406 oak 12
407 maple 12
408 maple 12
409 maple 12
410 maple 12
411 maple 12
412 maple 12
413 oak 12
414 maple 24
415 maple 10
416 maple 14
417 maple 10
418 maple 12
419 maple 30
420 maple 12
421 maple 12
423 locust 36
424 oak 16
425 ailanthus 14
426 maple 14
427 locust 15
428 oak 14
429 elm 14
430 locust 30
431 oak 10
432 maple 12
433 maple 12
434 maple 18
435 maple 36
436 wild cherry 16
437 maple 12
438 maple 20
439 wild cherry 20
440 maple 10
441 maple 24
442 maple 16
443 wild cherry 16
444 maple 12
445 maple 18
446 maple 10
447 maple 40
448 oak 15
PZ-2 449 maple 10
450 maple 12
451 maple 10
452 maple 10
453 maple 12
454 tulip 36-24
455 maple 10
456 maple 10
457 maple 30
458 maple 10
459 wild cherry 16
460 elm 12
461 maple 14
462 wild cherry 20
463 wild cherry 30
464 maple 15
465 maple 12
466 locust 48
467 maple 14
468 tulip 36
469 tulip 18
470 maple 10
471 maple 18
472 maple 15
PZ-2 473 wild cherry 24
474 maple 24
475 maple 36
476 locust 16
PZ-2 477 maple 10
478 maple 40
479 maple 14
480 locust 12
481 maple 12
482 maple 20
483 maple 20
484 maple 14
485 ash 24
486 ash 14
487 maple 12
488 maple 14
489 maple 14
490 maple 10
491 maple 12
492 maple 15
493 maple 10
494 maple 12
495 locust 12
496 maple 12
497 ash 12
498 ash 14
499 ash 15
500 ash 12
1139 wild cherry 10
1155 maple 20
PZ-2 1156 ash 18-16
1157 maple 18

Tag# - Type - Size

1158 maple 12
1158 maple 18
1159 maple 16
1160 maple 36
1161 maple 10
1162 maple 18
1163 maple 12
1164 maple 15
PZ-2 1165 ash 10
1166 maple 12-10
1167 elm 18
1168 maple 12
1169 maple 24
1170 maple 12
1171 maple 10
1172 maple 12
1173 maple 36
1174 maple 40
PZ-2 1175 maple 10
1176 maple 12
1177 locust 10
1178 maple 10
1179 maple 16
1180 oak 10
1181 oak 15
1182 maple 14
PZ-2 1183 beech 12
1184 beech 14
1185 ailanthus 16
1186 black birch 10
1187 oak 24
1188 maple 12
PZ-2 1189 tulip 24
1190 pine 14
1191 maple 10
1192 maple 10
1193 maple 15
1194 wild cherry 12
1195 wild cherry 18
1196 ash 18
1197 maple 10
1198 pine 16
1199 black birch 20
1200 black birch 12
1201 black birch 14
1202 black birch 20
1203 birch 10
1204 black birch 12
1205 black birch 20
1206 black birch 12
1207 oak 14
1208 black birch 12
1209 black birch 14
1210 beech 16
1211 beech 14
1212 black birch 15
1213 black birch 12
1214 black birch 20
1215 maple 12
1216 elm 10
1217 ash 16
1218 elm 12
1219 elm 12
1220 elm 12
1221 black birch 15
1222 maple 30
1223 ash 26
1224 maple 15
PZ-2 1225 maple 30
1226 elm 10
1227 oak 10
1228 maple 15
1229 hickory 10
1230 maple 10
1231 oak 18
1232 ash 18
1233 maple 15
1234 maple 16
1235 maple 20
1236 maple 12
1237 maple 12
1238 maple 18
1239 maple 12-10-8
1240 ash 14
1241 ash 18-14
1242 maple 12
1243 ash 12
1244 ash 20
1245 ash 14-14
1246 ash 14
1247 ash 18
1248 ash 12
1249 elm 12
1250 maple 18
1251 maple 12
1252 maple 12
1253 oak 30
1254 ash 18
1255 elm 12
1256 ash 16
1257 maple 12
1258 wild cherry 14-12
PZ-2 1259 wild cherry 16-14
1261 maple 30
1262 maple 30
1263 maple 15
1264 maple 18
1265 maple 12
1266 maple 20
PZ-2 1267 maple 15-12
1268 oak 12
1269 maple 36
1270 maple 15
1271 maple 18
1272 maple 30
1273 oak 30
1274 birch 24
1275 black birch 12
1276 black birch 14
1277 hickory 24
1278 pine 36
1279 hickory 16
1280 hickory 10
1281 birch 12
1282 birch 14
1283 black birch 12
1284 black birch 12
1285 black birch 10
1286 pine 30
1287 birch 14-12
1288 maple 30
1289 maple 14
1290 maple 12
1291 wild cherry 10
1292 wild cherry 12
1293 oak 30
1294 apple12
1295 wild cherry 12
1296 maple 12
1297 maple 12
1298 oak 24
1299 maple 10
1300 oak 15
1301 oak 24
1302 maple 14
1303 maple 14
1304 wild cherry 14
1305 oak 10
1306 wild cherry 10
1307 oak 10
1308 oak 10
1309 wild cherry 10
1310 wild cherry 14
1311 wild cherry 14
1312 wild cherry 14
1313 maple 15
1314 maple 10
1315 maple 16-14-12-8
1316 ailanthus 10
1317 wild cherry 16
1318 maple 12
1319 wild cherry 10
1320 oak 26
1321 maple 10
1322 maple 15
1323 wild cherry 18
1324 wild cherry 14
1325 elm 10
1326 wild cherry 20
1327 wild cherry 15
1328 maple 12
1329 wild cherry 12
1330 maple 12
1331 maple 20
1332 oak 42
1333 oak 10
1334 oak 14
1335 wild cherry 10
1336 wild cherry 14-16
1337 wild cherry 28
1338 oak 16
1340 wild cherry 12
1341 wild cherry 24
1342 wild cherry 14
1343 maple 10
1344 ash 12
1345 apple12
1346 maple 10
1347 wild cherry 10
1348 maple 10
1349 wild cherry 12
1350 wild cherry 14
1351 oak 30
1352 maple 12
1353 oak 20

Tag# - Type - Size

1354 wild cherry 10
1355 maple 16
1356 wild cherry 15
1357 maple 16
1358 wild cherry 16
1359 wild cherry 12
1360 wild cherry 10
1361 wild cherry 12
1362 wild cherry 12
1363 wild cherry 12
1364 birch 20
1365 wild cherry 14-14
1366 oak 24
1367 maple 15
1368 maple 14
1369 maple 16-14
1370 wild cherry 15
1371 pine 24
1372 pine 24
1373 pine 18
1374 pine 18
1375 pine 18
1376 pine 30
1377 pine 28
1378 maple 15-10-8
1379 ash 12
1380 maple 12
1381 maple 12
1382 maple 16
1383 maple 12
1384 ash 16
1385 locust 15
1386 locust 12
1387 ash 14
1388 ash 16
1389 maple 15
1390 ash 12
1391 ash 10
1392 ash 10
1393 ash 12
1394 wild cherry 10
1395 maple 14
1396 ash 12
1397 hickory 12
1398 locust 12
1399 maple 12
1400 locust 20
1401 oak 15
PZ-2 1402 wild cherry 10
1403 black birch 10
1404 wild cherry 12
1405 ash 10
1406 maple 16
1407 maple 24
1408 maple 10
1409 wild cherry 10
1410 wild cherry 14
1411 locust 14
1412 elm 12
1413 wild cherry 12
1414 locust 30
1415 locust 12
1416 locust 10-10
1417 locust 10-8
1418 locust 12
1419 locust 10
1420 wild cherry 10
1421 maple 18
1422 ash 12
1423 ash 16
1424 wild cherry 14
1425 maple 18
1426 maple 18
1427 maple 16
PZ-2 1428 wild cherry 14
1429 maple 18
1430 elm 16
1431 maple 15
1432 maple 15
1433 maple 15
1434 maple 12
1434 maple 12
1435 ash 12
1436 ash 10-10
1437 ash 20
1438 maple 12
1439 maple 12
1440 maple 20
1441 maple 18
1442 maple 2
1443 maple 10
1444 maple 16
1445 maple 12
1446 oak 16
1447 maple 28
1448 maple 14
1449 maple 22
1450 oak 14
1451 maple 10
1452 tulip 15
1453 maple 12
1454 maple 12
1455 oak 10
1456 ash 18
1457 oak 12
1458 ash 10
1459 maple 15
1460 maple 16
1461 maple 10
1462 oak 10
1463 oak 15
1464 oak 16
1465 maple 12
1466 maple 14
1467 maple 14
1468 ash 10
1469 maple 10
1470 oak 18
1471 oak 14
1472 maple 30
1473 maple 10
1474 maple 20
1475 maple 10
1476 maple 16
1477 ash 12
1478 black birch 12
1479 maple 18
1480 maple 14
1481 hickory 16
1482 hickory 16
1483 hickory 18
1484 oak 14
1485 oak 10
1486 birch 10
1487 birch 14
1488 birch 14
1489 birch 10
1490 birch 10
1491 ash 12
1492 ash 12
PZ-2 1493 birch 22
1494 maple 12
1495 maple 24
1496 maple 36
1497 maple 10
1498 birch 15
1499 birch 24
1500 birch 16
1501 elm 18
1502 sycamore 12
1503 maple 24
1504 maple 32
1505 birch 16
1506 maple 12
1507 maple 18
PZ-2 1508 maple 12
1509 maple 16
1510 maple 12
1511 maple 12
1512 maple 24
1513 maple 20
1514 maple 32
1515 maple 15
1516 maple 14
1517 maple 16
1518 maple 30
1519 maple 12
1520 maple 20
1521 maple 15
1522 maple 15
1523 maple 10
PZ-2 1524 maple 12
1525 maple 10
1526 ash 10
1527 maple 12
1528 ash 10
PZ-2 1529 ash 12
1530 birch 10
1531 maple 8
1532 maple 10
1533 locust 12
1535 birch 10
1536 maple 10
PZ-2 1537 locust 30
1538 locust 30
1539 locust 12
1540 maple 10
1541 birch 20
1542 wild cherry 16
1543 wild cherry 14
PZ-2 1544 maple 18-10-18
1545 locust 16-10-12
1546 maple 10

Tag# - Type - Size

PZ-2 1547 wild cherry 18
1548 oak 14
1549 maple 10-10-10
PZ-2 1550 maple 18
1551 maple 12
1552 maple 24
1553 maple 20-16
1554 locust 24
1555 maple 10
1556 maple 24
1557 maple 18
PZ-2 1559 tree 14
1560 tree 16
1561 locust 14
1562 locust 14
1563 locust 14
1564 maple 14
1566 locust 16
1567 maple 28
1568 locust 12
1569 locust 14
1570 locust 14
1571 locust 14
1572 locust 10
1573 locust 12
1574 locust 14-14
1575 locust 10
1576 locust 14-6
1577 locust 10
1578 maple 10
1579 locust 16
1580 locust 14
1581 locust 18
1582 maple 10-10
1583 locust 20
1584 locust 14
1585 locust 14
1586 maple 16
1587 maple 12
1588 maple 18
1589 maple 12
1590 locust 10
1591 locust 10
1592 locust 10
1593 locust 10-10
1594 locust 10
1595 locust 10
1596 locust 10-10
1597 locust 10-10
1597 maple 10
1598 maple 10
1599 locust 24
1600 cedar 14
1601 oak 22
1602 cherry 18
1603 cherry 10
1604 oak 20
1605 locust 18
1606 tulip 10
1607 tulip 10
1608 pine 18
1609 oak 12-10-10
1610 pine 12
1611 pine 48
1612 pine 38
1613 pine 58
1614 pine 52
1615 pine 48
1616 pine 46
1617 oak 22
1618 oak 20
1619 oak 10
1620 oak 20
1621 oak 12
1622 tulip 10
1623 tulip 14
1624 tulip 14
1625 tulip 16
1626 pine 26
1627 maple 16
1628 cherry 10
1629 cherry 10
1630 locust 12
1631 cherry 10
1632 birch 10
1633 black birch 26
1634 birch 24
1635 birch 26
1636 oak 16
1637 oak 24
1638 cherry 12
1639 maple 26
1640 tulip 28
1641 birch 18
1642 maple 26
1643 oak 10
1644 oak 30
1645 maple 30
1646 tulip 14
1647 maple 26
1648 maple 44
1649 maple 24-22
1650 maple 32
1651 cherry 10
1652 cherry 10
1743 tree 12
1744 tree 14
1745 maple 18
1747 maple 12
1748 maple 18
1749 maple 18-6-10
1750 maple 10
1751 maple 18
1752 maple 16
1753 black birch 16
1754 maple 12-6
1755 maple 10
1756 maple 10
1757 maple 16
1758 maple 14
1759 wild cherry 16
1760 maple 20
1761 maple 10
1762 maple 10
1763 maple 10
1764 maple 10
1765 maple 14-16
1766 maple 18
1767 maple 10
1768 maple 10
1769 maple 10-10-8
1770 maple 18
1771 maple 16
1772 maple 14-16
1773 maple 16
1774 sycamore 12
1775 maple 16
1777 maple 14-18
1778 maple 16
1779 maple 16-20
1780 maple 18
1781 maple 10
1782 maple 12
1783 maple 12
1784 maple 12
1785 maple 20
1786 maple 12-14
1787 maple 10
1788 maple 12-20
1789 maple 18-6
1790 maple 10-10
1791 maple 20
1792 locust 16
1793 maple 10
1794 maple 10
1795 maple 10-14
1796 locust 14
1797 locust 18
1798 maple 16
1799 maple 16
1800 locust 12
2001 maple 12
2002 maple 12
2003 maple 14
2004 locust 24-24
2005 locust 10
2006 locust 10
2007 maple 20-20
2009 maple 10
2010 maple 28
2011 maple 14
2012 wild cherry 12-16
2013 tulip 24
2014 black birch 16
2015 maple 14
2017 black birch 16
2018 maple 12
2019 locust 10
2020 locust 10
2021 locust 10
2022 locust 10
2023 locust 10
2024 black birch 18
2025 black birch 16
2026 birch 10
2027 maple 16
2028 maple 14
2029 maple 16-16
2031 maple 18
2032 maple 10
2033 locust 36
2034 maple 18-16-20
2035 oak 26
2036 birch 10

Tag# - Type - Size

2037 birch 12
2038 black birch 14
2039 black birch 14
2040 oak 34
2041 oak 36
2042 wild cherry 16
2044 oak 28
2045 pine 20
2046 pine 10-8-12
2047 pine 20
2048 pine 16
2049 pine 14-16
2050 pine 16-18
2051 pine 24
2052 pine 30
2053 birch 48
2054 japanese maple 18
2055 maple 32
2056 maple 24
2057 maple 22
2058 maple 12
2059 maple 24
2060 maple 12
2061 maple 26
2062 oak 50
2063 oak 52
2064 maple 10
2065 oak 24
2066 maple 10-12
2067 oak 56
2068 maple 14
2069 maple 14
2070 maple 26
2071 maple 28
2073 oak 28
2074 maple 26
2075 oak 28
2076 oak 28
2077 oak 36
2078 oak 24
2079 maple 20
2080 maple 28
2101 maple 10
2102 maple 10-8
2103 pine 16
2104 oak 12
2105 pine 22
2106 pine 22
2107 oak 24-20
2108 tulip 16
2109 birch 20
2110 maple 16
2111 oak 14
2113 black birch 14
2114 maple 16
2115 wild cherry 16
2116 black birch 18
2117 black birch 12-14
2118 oak 24
2119 oak 16
2120 oak 24
2121 white birch 20
2123 oak 28
2124 beech 26
2125 maple 18
2126 maple 20
2127 maple 10
2128 maple 14
2129 locust 10
2130 locust 14
2131 oak 12
2132 wild cherry 10
2133 tulip 16
2135 tulip 20
2136 black birch 16
2137 wild cherry 16
2138 maple 10-10
2139 maple 24
2140 maple 10
2141 maple 10
2142 maple 10
2143 locust 36
2144 maple 10
2145 black birch 10
2146 tulip 16
2147 black birch 10
2148 tulip 18
2149 black birch 14
2150 oak 12
2151 pine 26
2152 tulip 24-10
2153 tulip 16
2154 maple 26
2155 maple 30
2156 tulip 20
2157 locust 18
2158 tulip 26
2159 birch 12
2160 wild cherry 18
2161 wild cherry 26
2162 locust 20
2163 wild cherry 24
2164 oak 10
2165 tulip 24
2166 locust 34
2167 wild cherry 12
2168 locust 12
2169 wild cherry 18
2170 tulip 26-28
2171 oak 36
2172 tulip 16
2173 beech 24
2174 oak 24
2175 black birch 16
2176 oak 36
2177 beech 24
2178 beech 30
2179 black birch 16
2181 beech 12
2182 black birch 18
2185 beech 20
2186 maple 10
2187 beech 24
2188 tulip 34
2189 maple 16
2190 maple 10
2191 maple 32
2192 maple 34
2193 maple 34
2194 beech 18
2195 maple 10
2196 maple 18
2197 maple 18
2198 tulip 16
2199 maple 12-12-14
2200 maple 16
2260 pine 14
2261 pine 8-8-10
2262 pine 6-10-10
2263 pine 12
2264 pine 14
2265 pine 14
2266 pine 10-10
2267 pine 14
2268 pine 10
2269 pine 24
2270 maple 24
2271 maple 24
2272 maple 24
2273 maple 20
2274 pine 34
2275 pine 34
2276 pine 34
2277 maple 10-14
2278 maple 26
2279 maple 36
2280 maple 36
2281 maple 10
2282 pine 14
2283 pine 14
2284 pine 14
2286 pine 16
2286 black birch 14
2287 beech 28
2288 maple 22
2289 maple 22
2290 pine 14
2291 pine 10
2292 pine 10
2293 maple 10
2294 maple 26
2295 maple 12-12
2296 maple 28
2297 maple 28
2298 oak 30
2299 pine 24
2300 pine 14

Tag# - Type - Size

4191 maple 38
PZ-2 4192 locust 30
4602 black birch cluster
4603 tree cluster
PZ-2 4604 maple 26
4605 maple 26
PZ-2 4606 maple 40
4607 oak 28
4608 oak 28
4609 hickory 24
PZ-2 4610 maple cluster
4611 maple 28
PZ-2 4612 tree 26
4613 maple 24
4614 oak 30
4615 oak 30
4616 oak 28
4617 tulip 32
PZ-2 4618 oak 30
4619 tulip 28
4620 oak 34
4621 tree 26
4622 japanese maple 16
4623 oak 28
4624 oak 24
4625 maple 18-18
4626 sycamore cluster
4627 japanese maple 12
4628 black birch cluster
4629 japanese maple cluster
4630 tree 12
PZ-2 4631 sycamore 40
4632 sycamore 40
PZ-2 4633 maple 44
4634 maple 30
4636 maple 36
4637 tulip 28
PZ-2 4638 maple 28
4639 oak 36
PZ-2 4640 oak 32
4641 maple 28
4642 tulip 38-30
4643 maple 28
4644 locust 12
PZ-2 4698 maple 36

TREES REMAINING IN PHASE 1

NOTE
- RECTANGLES DENOTE TREES TO REMAIN
- ADDITIONAL TREES REMAIN AS LABELED DIRECTLY ON THE PLAN

Tree List

Tag# - Type - Size

105 oak 34
214 oak 33
222 oak 18-18
280 oak cluster
311 locust 36
312 locust 30
313 maple 10
314 hickory 14
PZ-2 315 maple 8
316 maple 12
317 elm 12
318 locust 30
319 maple 10
320 oak 14
321 wild cherry 12
322 wild cherry 8
323 hickory 12
324 maple 8
325 maple 12
326 maple 8
327 ash 10
328 pine 24
329 hickory 14
331 maple 10
TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)
332 elm 10
333 elm 12
334 ash 14
335 tulip 20-18
336 elm 14
337 ash 18
337 maple 12
338 hickory 12
338 maple 16
339 hickory 8
PZ-2 340 maple 12
341 maple 10
342 elm 10
343 hickory 16
344 hickory 10
345 elm 10
346 hickory 8
347 ash 12
348 elm 12
349 tulip 24-20-18
350 elm 8
351 hickory 4-10
352 wild cherry 20
353 maple 14
354 elm 12
355 tulip 16
356 tulip 18
357 maple 14
358 maple 10
359 maple 12
360 pine 26
361 pine 36
362 pine 14
363 pine 36
364 maple 16
365 pine 14
366 pine 24
369 locust 30-18
370 maple 10
371 maple 14
372 elm 14
373 maple 24
374 maple 10
375 maple 20
376 tulip 30
377 maple 16
378 elm 14
379 pine 30
380 pine 18-18
381 pine 30
382 maple 12
383 maple 16
384 locust 30
385 locust 36
386 locust 36
387 locust 16
388 maple 20
PZ-2 389 maple 12
390 locust 36
391 maple 24
392 locust 36
393 maple 14
394 maple 30
395 maple 10
396 maple 20-16
397 maple 18
398 maple 10
399 beech 18
400 maple 10
401 maple 10
402 maple 14
403 hickory 14
404 locust 10
405 oak 12
406 oak 12
407 maple 12
408 maple 12
409 maple 12
410 maple 12
411 maple 12
412 maple 12
413 oak 12
414 maple 24
415 maple 10
416 maple 14
417 maple 10
418 maple 12
419 maple 30
420 maple 12
421 maple 12
423 locust 36
424 oak 16
425 ailanthus 14
426 maple 14
427 locust 15
428 oak 14
429 elm 14
430 locust 30
431 oak 10
432 maple 12
433 maple 12
434 maple 18
TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)
435 maple 36
436 wild cherry 16
437 maple 12
438 maple 20
439 wild cherry 20
440 maple 10
441 maple 24
442 maple 16
443 wild cherry 16
444 maple 12
445 maple 18
446 maple 10
447 maple 40
448 oak 15
PZ-2 449 maple 10
450 maple 12
451 maple 10
452 maple 10
453 maple 12
454 tulip 36-24
455 maple 10
456 maple 10
457 maple 30
458 maple 10
459 wild cherry 16
460 elm 12
461 maple 14
462 wild cherry 20
463 wild cherry 30
464 maple 15
465 maple 12
466 locust 48
467 maple 14
468 tulip 36
469 tulip 18
470 maple 10
471 maple 18
472 maple 15
PZ-2 473 wild cherry 24
474 maple 24
475 maple 36
476 locust 16
PZ-2 477 maple 10
478 maple 40
479 maple 14
480 locust 12
481 maple 12
482 maple 20
483 maple 20
484 maple 14
485 ash 24
486 ash 14
487 maple 12
488 maple 14
489 maple 14
490 maple 10
491 maple 12
492 maple 15
493 maple 10
494 maple 12
495 locust 12
496 maple 12
497 ash 12
498 ash 14
499 ash 15
500 ash 12
1139 wild cherry 10
1155 maple 20
PZ-2 1156 ash 18-16
1157 maple 18

Tag# - Type - Size

1158 maple 12
1158 maple 18
1159 maple 16
1160 maple 36
1161 maple 10
1162 maple 18
1163 maple 12
1164 maple 15
PZ-2 1165 ash 10
1166 maple 12-10
1167 elm 18
1168 maple 12
1169 maple 24
1170 maple 12
1171 maple 10
1172 maple 12
1173 maple 36
1174 maple 40
PZ-2 1175 maple 10
1176 maple 12
1177 locust 10
1178 maple 10
1179 maple 16
1180 oak 10
1181 oak 15
1182 maple 14
PZ-2 1183 beech 12
1184 beech 14
1185 ailanthus 16
1186 black birch 10
1187 oak 24
1188 maple 12
PZ-2 1189 tulip 24
1190 pine 14
1191 maple 10
1192 maple 10
1193 maple 15
1194 wild cherry 12
1195 wild cherry 18
1196 ash 18
1197 maple 10
1198 pine 16
1199 black birch 20
1200 black birch 12
1201 black birch 14
1202 black birch 20
1203 birch 10
1204 black birch 12
1205 black birch 20
1206 black birch 12
1207 oak 14
1208 black birch 12
1209 black birch 14
1210 beech 16
1211 beech 14
1212 black birch 15
1213 black birch 12
1214 black birch 20
1215 maple 12
1216 elm 10
1217 ash 16
1218 elm 12
1219 elm 12
1220 elm 12
1221 black birch 15
1222 maple 30
1223 ash 26
1224 maple 15
PZ-2 1225 maple 30
1226 elm 10
1227 oak 10
1228 maple 15
1229 hickory 10
1230 maple 10
1231 oak 18
1232 ash 18
1233 maple 15
1234 maple 16
1235 maple 20
1236 maple 12
1237 maple 12
1238 maple 18
1239 maple 12-10-8
1240 ash 14
1241 ash 18-14
1242 maple 12
1243 ash 12
1244 ash 20
1245 ash 14-14
1246 ash 14
1247 ash 18
1248 ash 12
1249 elm 12
1250 maple 18
1251 maple 12
1252 maple 12
1253 oak 30
1254 ash 18
1255 elm 12
1256 ash 16
1257 maple 12
1258 wild cherry 14-12
PZ-2 1259 wild cherry 16-14
1261 maple 30
1262 maple 30
1263 maple 15
1264 maple 18
1265 maple 12
1266 maple 20
PZ-2 1267 maple 15-12
1268 oak 12
1269 maple 36
1270 maple 15
1271 maple 18
1272 maple 30
1273 oak 30
1274 birch 24
1275 black birch 12
1276 black birch 14
1277 hickory 24
1278 pine 36
1279 hickory 16
1280 hickory 10
1281 birch 12
1282 birch 14
1283 black birch 12
1284 black birch 12
1285 black birch 10
1286 pine 30
1287 birch 14-12
1288 maple 30
1289 maple 14
1290 maple 12
1291 wild cherry 10
1292 wild cherry 12
1293 oak 30
1294 apple12
1295 wild cherry 12
1296 maple 12
1297 maple 12
1298 oak 24
1299 maple 10
1300 oak 15
1301 oak 24
1302 maple 14
1303 maple 14
1304 wild cherry 14
1305 oak 10
1306 wild cherry 10
1307 oak 10
1308 oak 10
1309 wild cherry 10
1310 wild cherry 14
1311 wild cherry 14
1312 wild cherry 14
1313 maple 15
1314 maple 10
1315 maple 16-14-12-8
1316 ailanthus 10
1317 wild cherry 16
1318 maple 12
1319 wild cherry 10
1320 oak 26
1321 maple 10
1322 maple 15
1323 wild cherry 18
1324 wild cherry 14
1325 elm 10
1326 wild cherry 20
1327 wild cherry 15
1328 maple 12
1329 wild cherry 12
1330 maple 12
1331 maple 20
1332 oak 42
1333 oak 10
1334 oak 14
1335 wild cherry 10
1336 wild cherry 14-16
1337 wild cherry 28
1338 oak 16
1340 wild cherry 12
1341 wild cherry 24
1342 wild cherry 14
1343 maple 10
1344 ash 12
1345 apple12
1346 maple 10
1347 wild cherry 10
1348 maple 10
1349 wild cherry 12
1350 wild cherry 14
1351 oak 30
1352 maple 12
1353 oak 20

Tag# - Type - Size

1354 wild cherry 10
1355 maple 16
1356 wild cherry 15
1357 maple 16
1358 wild cherry 16
1359 wild cherry 12
1360 wild cherry 10
1361 wild cherry 12
1362 wild cherry 12
1363 wild cherry 12
1364 birch 20
1365 wild cherry 14-14
1366 oak 24
1367 maple 15
1368 maple 14
1369 maple 16-14
1370 wild cherry 15
1371 pine 24
1372 pine 24
1373 pine 18
1374 pine 18
1375 pine 18
1376 pine 30
1377 pine 28
1378 maple 15-10-8
1379 ash 12
1380 maple 12
1381 maple 12
1382 maple 16
1383 maple 12
1384 ash 16
1385 locust 15
1386 locust 12
1387 ash 14
1388 ash 16
1389 maple 15
1390 ash 12
1391 ash 10
1392 ash 10
1393 ash 12
1394 wild cherry 10
1395 maple 14
1396 ash 12
1397 hickory 12
1398 locust 12
1399 maple 12
1400 locust 20
1401 oak 15
PZ-2 1402 wild cherry 10
1403 black birch 10
1404 wild cherry 12
1405 ash 10
1406 maple 16
1407 maple 24
1408 maple 10
1409 wild cherry 10
1410 wild cherry 14
1411 locust 14
1412 elm 12
1413 wild cherry 12
1414 locust 30
1415 locust 12
1416 locust 10-10
1417 locust 10-8
1418 locust 12
1419 locust 10
1420 wild cherry 10
1421 maple 18
1422 ash 12
1423 ash 16
1424 wild cherry 14
1425 maple 18
1426 maple 18
1427 maple 16
PZ-2 1428 wild cherry 14
1429 maple 18
1430 elm 16
1431 maple 15
1432 maple 15
1433 maple 15
1434 maple 12
1434 maple 12
1435 ash 12
1436 ash 10-10
1437 ash 20
1438 maple 12
1439 maple 12
1440 maple 20
1441 maple 18
1442 maple 2
1443 maple 10
1444 maple 16
1445 maple 12
1446 oak 16
1447 maple 28
1448 maple 14
1449 maple 22
1450 oak 14
1451 maple 10
1452 tulip 15
1453 maple 12
1454 maple 12
1455 oak 10
1456 ash 18
1457 oak 12
1458 ash 10
1459 maple 15
1460 maple 16
1461 maple 10
1462 oak 10
1463 oak 15
1464 oak 16
1465 maple 12
1466 maple 14
1467 maple 14
1468 ash 10
1469 maple 10
1470 oak 18
1471 oak 14
1472 maple 30
1473 maple 10
1474 maple 20
1475 maple 10
1476 maple 16
1477 ash 12
1478 black birch 12
1479 maple 18
1480 maple 14
1481 hickory 16
1482 hickory 16
1483 hickory 18
1484 oak 14
1485 oak 10
1486 birch 10
1487 birch 14
1488 birch 14
1489 birch 10
1490 birch 10
1491 ash 12
1492 ash 12
PZ-2 1493 birch 22
1494 maple 12
1495 maple 24
1496 maple 36
1497 maple 10
1498 birch 15
1499 birch 24
1500 birch 16
1501 elm 18
1502 sycamore 12
1503 maple 24
1504 maple 32
1505 birch 16
1506 maple 12
1507 maple 18
PZ-2 1508 maple 12
1509 maple 16
1510 maple 12
1511 maple 12
1512 maple 24
1513 maple 20
1514 maple 32
1515 maple 15
1516 maple 14
1517 maple 16
1518 maple 30
1519 maple 12
1520 maple 20
1521 maple 15
1522 maple 15
1523 maple 10
PZ-2 1524 maple 12
1525 maple 10
1526 ash 10
1527 maple 12
1528 ash 10
PZ-2 1529 ash 12
1530 birch 10
1531 maple 8
1532 maple 10
1533 locust 12
1535 birch 10
1536 maple 10
PZ-2 1537 locust 30
1538 locust 30
1539 locust 12
1540 maple 10
1541 birch 20
1542 wild cherry 16
1543 wild cherry 14
PZ-2 1544 maple 18-10-18
1545 locust 16-10-12
1546 maple 10

Tag# - Type - Size

PZ-2 1547 wild cherry 18
1548 oak 14
1549 maple 10-10-10
PZ-2 1550 maple 18
1551 maple 12
1552 maple 24
1553 maple 20-16
1554 locust 24
1555 maple 10
1556 maple 24
1557 maple 18
PZ-2 1559 tree 14
1560 tree 16
1561 locust 14
1562 locust 14
1563 locust 14
1564 maple 14
1566 locust 16
1567 maple 28
1568 locust 12
1569 locust 14
1570 locust 14
1571 locust 14
1572 locust 10
1573 locust 12
1574 locust 14-14
1575 locust 10
1576 locust 14-6
1577 locust 10
1578 maple 10
1579 locust 16
1580 locust 14
1581 locust 18
1582 maple 10-10
1583 locust 20
1584 locust 14
1585 locust 14
1586 maple 16
1587 maple 12
1588 maple 18
1589 maple 12
1590 locust 10
1591 locust 10
1592 locust 10
1593 locust 10-10
1594 locust 10
1595 locust 10
1596 locust 10-10
1597 locust 10-10
1597 maple 10
1598 maple 10
1599 locust 24
1600 cedar 14
1601 oak 22
1602 cherry 18
1603 cherry 10
1604 oak 20
1605 locust 18
1606 tulip 10
1607 tulip 10
1608 pine 18
1609 oak 12-10-10
1610 pine 12
1611 pine 48
1612 pine 38
1613 pine 58
1614 pine 52
1615 pine 48
1616 pine 46
1617 oak 22
1618 oak 20
1619 oak 10
1620 oak 20
1621 oak 12
1622 tulip 10
1623 tulip 14
1624 tulip 14
1625 tulip 16
1626 pine 26
1627 maple 16
1628 cherry 10
1629 cherry 10
1630 locust 12
1631 cherry 10
1632 birch 10
1633 black birch 26
1634 birch 24
1635 birch 26
1636 oak 16
1637 oak 24
1638 cherry 12
1639 maple 26
1640 tulip 28
1641 birch 18
1642 maple 26
1643 oak 10
1644 oak 30
1645 maple 30
1646 tulip 14
1647 maple 26
1648 maple 44
1649 maple 24-22
1650 maple 32
1651 cherry 10
1652 cherry 10
1743 tree 12
1744 tree 14
1745 maple 18
1747 maple 12
1748 maple 18
1749 maple 18-6-10
1750 maple 10
1751 maple 18
1752 maple 16
1753 black birch 16
1754 maple 12-6
1755 maple 10
1756 maple 10
1757 maple 16
1758 maple 14
1759 wild cherry 16
1760 maple 20
1761 maple 10
1762 maple 10
1763 maple 10
1764 maple 10
1765 maple 14-16
1766 maple 18
1767 maple 10
1768 maple 10
1769 maple 10-10-8
1770 maple 18
1771 maple 16
1772 maple 14-16
1773 maple 16
1774 sycamore 12
1775 maple 16
1777 maple 14-18
1778 maple 16
1779 maple 16-20
1780 maple 18
1781 maple 10
1782 maple 12
1783 maple 12
1784 maple 12
1785 maple 20
1786 maple 12-14
1787 maple 10
1788 maple 12-20
1789 maple 18-6
1790 maple 10-10
1791 maple 20
1792 locust 16
1793 maple 10
1794 maple 10
1795 maple 10-14
1796 locust 14
1797 locust 18
1798 maple 16
1799 maple 16
1800 locust 12
2001 maple 12
2002 maple 12
2003 maple 14
2004 locust 24-24
2005 locust 10
2006 locust 10
2007 maple 20-20
2009 maple 10
2010 maple 28
2011 maple 14
2012 wild cherry 12-16
2013 tulip 24
2014 black birch 16
2015 maple 14
2017 black birch 16
2018 maple 12
2019 locust 10
2020 locust 10
2021 locust 10
2022 locust 10
2023 locust 10
2024 black birch 18
2025 black birch 16
2026 birch 10
2027 maple 16
2028 maple 14
2029 maple 16-16
2031 maple 18
2032 maple 10
2033 locust 36
2034 maple 18-16-20
2035 oak 26
2036 birch 10

Tag# - Type - Size

2037 birch 12
2038 black birch 14
2039 black birch 14
2040 oak 34
2041 oak 36
2042 wild cherry 16
2044 oak 28
2045 pine 20
2046 pine 10-8-12
2047 pine 20
2048 pine 16
2049 pine 14-16
2050 pine 16-18
2051 pine 24
2052 pine 30
2053 birch 48
2054 japanese maple 18
2055 maple 32
2056 maple 24
2057 maple 22
2058 maple 12
2059 maple 24
2060 maple 12
2061 maple 26
2062 oak 50
2063 oak 52
2064 maple 10
2065 oak 24
2066 maple 10-12
2067 oak 56
2068 maple 14
2069 maple 14
2070 maple 26
2071 maple 28
2073 oak 28
2074 maple 26
2075 oak 28
2076 oak 28
2077 oak 36
2078 oak 24
2079 maple 20
2080 maple 28
2101 maple 10
2102 maple 10-8
2103 pine 16
2104 oak 12
2105 pine 22
2106 pine 22
2107 oak 24-20
2108 tulip 16
2109 birch 20
2110 maple 16
2111 oak 14
2113 black birch 14
2114 maple 16
2115 wild cherry 16
2116 black birch 18
2117 black birch 12-14
2118 oak 24
2119 oak 16
2120 oak 24
2121 white birch 20
2123 oak 28
2124 beech 26
2125 maple 18
2126 maple 20
2127 maple 10
2128 maple 14
2129 locust 10
2130 locust 14
2131 oak 12
2132 wild cherry 10
2133 tulip 16
2135 tulip 20
2136 black birch 16
2137 wild cherry 16
2138 maple 10-10
2139 maple 24
2140 maple 10
2141 maple 10
2142 maple 10
2143 locust 36
2144 maple 10
2145 black birch 10
2146 tulip 16
2147 black birch 10
2148 tulip 18
2149 black birch 14
2150 oak 12
2151 pine 26
2152 tulip 24-10
2153 tulip 16
2154 maple 26
2155 maple 30
2156 tulip 20
2157 locust 18
2158 tulip 26
2159 birch 12
2160 wild cherry 18
2161 wild cherry 26
2162 locust 20
2163 wild cherry 24
2164 oak 10
2165 tulip 24
2166 locust 34
2167 wild cherry 12
2168 locust 12
2169 wild cherry 18
2170 tulip 26-28
2171 oak 36
2172 tulip 16
2173 beech 24
2174 oak 24
2175 black birch 16
2176 oak 36
2177 beech 24
2178 beech 30
2179 black birch 16
2181 beech 12
2182 black birch 18
2185 beech 20
2186 maple 10
2187 beech 24
2188 tulip 34
2189 maple 16
2190 maple 10
2191 maple 32
2192 maple 34
2193 maple 34
2194 beech 18
2195 maple 10
2196 maple 18
2197 maple 18
2198 tulip 16
2199 maple 12-12-14
2200 maple 16
2260 pine 14
2261 pine 8-8-10
2262 pine 6-10-10
2263 pine 12
2264 pine 14
2265 pine 14
2266 pine 10-10
2267 pine 14
2268 pine 10
2269 pine 24
2270 maple 24
2271 maple 24
2272 maple 24
2273 maple 20
2274 pine 34
2275 pine 34
2276 pine 34
2277 maple 10-14
2278 maple 26
2279 maple 36
2280 maple 36
2281 maple 10
2282 pine 14
2283 pine 14
2284 pine 14
2286 pine 16
2286 black birch 14
2287 beech 28
2288 maple 22
2289 maple 22
2290 pine 14
2291 pine 10
2292 pine 10
2293 maple 10
2294 maple 26
2295 maple 12-12
2296 maple 28
2297 maple 28
2298 oak 30
2299 pine 24
2300 pine 14

Tag# - Type - Size

4191 maple 38
PZ-2 4192 locust 30
4602 black birch cluster
4603 tree cluster
PZ-2 4604 maple 26
4605 maple 26
PZ-2 4606 maple 40
4607 oak 28
4608 oak 28
4609 hickory 24
PZ-2 4610 maple cluster
4611 maple 28
PZ-2 4612 tree 26
4613 maple 24
4614 oak 30
4615 oak 30
4616 oak 28
4617 tulip 32
PZ-2 4618 oak 30
4619 tulip 28
4620 oak 34
4621 tree 26
4622 japanese maple 16
4623 oak 28
4624 oak 24
4625 maple 18-18
4626 sycamore cluster
4627 japanese maple 12
4628 black birch cluster
4629 japanese maple cluster
4630 tree 12
PZ-2 4631 sycamore 40
4632 sycamore 40
PZ-2 4633 maple 44
4634 maple 30
4636 maple 36
4637 tulip 28
PZ-2 4638 maple 28
4639 oak 36
PZ-2 4640 oak 32
4641 maple 28
4642 tulip 38-30
4643 maple 28
4644 locust 12
PZ-2 4698 maple 36

TREES REMAINING IN PHASE 2

NOTE
- RECTANGLES DENOTE TREES TO REMAIN
- ADDITIONAL TREES REMAIN AS LABELED DIRECTLY ON THE PLAN

NO.	Revisions or Type of Drawing Submittal	DATE:
1		
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Seal:

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Title:

TREE LEGEND CALCULATION WORKSHEET

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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STUDER DESIGN ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date: JANUARY 7, 2020
Drawn By: DPP
Scale: NO SCALE
North:

Sheet: SK - 3

PLANTING NOTES

1. BIDS SHALL INCLUDE SITE PREPARATION, PERCOLATION TESTS, PLANTING MEDIUMS, PLANT MATERIALS, TREE PITS, INSTALLATION, STAKING & GUYING, FERTILIZER, MULCH, & PLANT GUARANTEES UNLESS NOTED OTHERWISE.
2. PROVIDE & INSTALL PLANTINGS IN COMPLIANCE WITH STANDARDS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL & NURSERYMEN PRACTICES. SIZE & GRADING STANDARDS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK; PLANTS SHALL EQUAL OR EXCEED NOTED SIZES.
3. ADJUST EXISTING IRRIGATION SYSTEM TO COVER NEW PLANTING AREAS OR COORDINATE SERVICES WITH OWNER'S IRRIGATION CONTRACTOR AS REQUIRED TO ENSURE NEW PLANTINGS ARE ADEQUATELY IRRIGATED.

SEEDING NOTES

1. SEEDING WINDOWS SHALL BE BETWEEN APRIL & JUNE 1ST, & BETWEEN AUGUST 15TH &OCTOBER 1ST, OR DURING PERIODS OF SUITABLE WEATHER CONDITIONS.
2. ROTO-TILL COMPACTED AREAS PRIOR TO SEEDING AND INSTALL 1" OF LOOSELY-APPLIED SHREDDED STRAW IN A UNIFORM LAYER TO ALL SEEDED AREAS; APPLY EROSION CONTROL MEASURES TO SLOPES IN EXCESS OF 1:2.
3. TOPSOIL: PROVIDE & INSTALL SPECIFIED QUANTITIES FOR SEEDING OPERATIONS; STATE TOTAL AMOUNTS, IN CUBIC YARDS, OF TOPSOIL NEEDED IN PROPOSAL.
4. APPLY STARTER FERTILIZER AT THE RATE RECOMMENDED BY MANUFACTURER.
5. RE-SEED ALL AREAS NOT SHOWING A SATISFACTORY STAND OF GRASS AFTER 30 DAYS & CONTINUE TO DO SO UNTIL A HEALTHY & STAND OF GRASS HAS BEEN ESTABLISHED.

TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 1 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	145	87
12"	0.8	163	130.4
14"	1.1	95	104.5
16"	1.4	65	91
18"	1.8	48	86.4
20"	2.2	32	70.4
22"	2.6	9	23.4
24"	3.1	39	120.9
26"	3.7	14	51.8
28"	4.3	18	77.4
30"	4.9	29	142.1
32"	5.5	9	49.5
36"	7	21	147
38"	7.5	2	15
40"	8	13	104
			1300.8

NO.	Revisions or Type of Drawing Submittal	DATE:

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Title:

TREE DENSITY CALCULATION WORKSHEET

PHASE 1

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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STUDER DESIGN ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
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(203) 894-1428 Phone
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Date:	JANUARY 7, 2020
Drawn By:	DPP
Scale:	1" = 80'
North:	N
Sheet:	SK - 1

SCALE 1" = 80'
0 80' 160' 240'

PLANTING NOTES

1. BIDS SHALL INCLUDE SITE PREPARATION, PERCOLATION TESTS, PLANTING MEDIUMS, PLANT MATERIALS, TREE PITS, INSTALLATION, STAKING & GUYING, FERTILIZER, MULCH, & PLANT GUARANTEES UNLESS NOTED OTHERWISE.
2. PROVIDE & INSTALL PLANTINGS IN COMPLIANCE WITH STANDARDS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL & NURSERYMEN PRACTICES. SIZE & GRADING STANDARDS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK; PLANTS SHALL EQUAL OR EXCEED NOTED SIZES.
3. ADJUST EXISTING IRRIGATION SYSTEM TO COVER NEW PLANTING AREAS OR COORDINATE SERVICES WITH OWNER'S IRRIGATION CONTRACTOR AS REQUIRED TO ENSURE NEW PLANTINGS ARE ADEQUATELY IRRIGATED.

SEEDING NOTES

1. SEEDING WINDOWS SHALL BE BETWEEN APRIL & JUNE 1ST, & BETWEEN AUGUST 15TH &OCTOBER 1ST, OR DURING PERIODS OF SUITABLE WEATHER CONDITIONS.
2. ROTO-TILL COMPACTED AREAS PRIOR TO SEEDING AND INSTALL 1" OF LOOSELY-APPLIED SHREDDED STRAW IN A UNIFORM LAYER TO ALL SEEDED AREAS; APPLY EROSION CONTROL MEASURES TO SLOPES IN EXCESS OF 12.
3. TOPSOIL: PROVIDE & INSTALL SPECIFIED QUANTITIES FOR SEEDING OPERATIONS; STATE TOTAL AMOUNTS, IN CUBIC YARDS, OF TOPSOIL NEEDED IN PROPOSAL.
4. APPLY STARTER FERTILIZER AT THE RATE RECOMMENDED BY MANUFACTURER.
5. RE-SEED ALL AREAS NOT SHOWING A SATISFACTORY STAND OF GRASS AFTER 30 DAYS & CONTINUE TO DO SO UNTIL A HEALTHY & STAND OF GRASS HAS BEEN ESTABLISHED.

TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 2 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	65	39
12"	0.8	80	64
14"	1.1	45	49.5
16"	1.4	30	42
18"	1.8	23	41.4
20"	2.2	15	33
22"	2.6	3	7.8
24"	3.1	13	40.3
26"	3.7	3	11.1
28"	4.3	4	17.2
30"	4.9	17	83.3
32"	5.5	3	16.5
36"	7	10	70
38"	7.5	1	7.5
40"	8	6	48
			570.6

Area 1

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	39	23.4
12"	0.8	30	24
14"	1.1	17	18.7
16"	1.4	7	9.8
18"	1.8	12	21.6
20"	2.2	6	13.2
22"	2.6	1	2.6
24"	3.1	1	3.1
26"	3.7	1	3.7
28"	4.3	1	4.3
30"	4.9	1	4.9
32"	5.5	1	5.5
34"	6.2	1	6.2
36"	7	1	7
38"	7.5	1	7.5
40"	8	1	8
			180.5

Area 2

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	41	24.6
12"	0.8	33	26.4
14"	1.1	21	23.1
16"	1.4	16	22.4
18"	1.8	8	14.4
20"	2.2	6	13.2
22"	2.6	2	5.2
24"	3.1	9	27.9
26"	3.7	3	11.1
28"	4.3	2	8.6
30"	4.9	10	49
32"	5.5	2	11
34"	6.2	1	6.2
36"	7	9	63
38"	7.5	1	7.5
40"	8	5	40
			344.6

Area 3

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	1	0.6
12"	0.8	2	1.6
14"	1.1	2	2.2
16"	1.4	1	1.4
18"	1.8	0	0
20"	2.2	2	4.4
22"	2.6		0
24"	3.1		0
26"	3.7	0	0
28"	4.3	0	0
30"	4.9	0	0
32"	5.5		0
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			10.2

Area 4

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	7	4.2
12"	0.8	7	5.6
14"	1.1	2	2.2
16"	1.4	1	1.4
18"	1.8	1	1.8
20"	2.2		0
22"	2.6	1	2.6
24"	3.1	1	3.1
26"	3.7		0
28"	4.3	3	12.9
30"	4.9	3	14.7
32"	5.5	1	5.5
34"	6.2		0
36"	7	1	7
38"	7.5		0
40"	8		0
			64.7

Area 5

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	3	1.8
12"	0.8	4	3.2
14"	1.1	4	4.4
16"	1.4	3	4.2
18"	1.8	3	5.4
20"	2.2	3	6.6
22"	2.6	1	2.6
24"	3.1	3	9.3
26"	3.7		0
28"	4.3		0
30"	4.9		0
32"	5.5	2	11
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			57.5

Area 6 - trees in R.O.W.; not included

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	1	0.6
12"	0.8	1	0.8
14"	1.1		0
16"	1.4		0
18"	1.8	3	5.4
20"	2.2		0
22"	2.6		0
24"	3.1		0
26"	3.7		0
28"	4.3		0
30"	4.9		0
32"	5.5		0
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			6.8

SCALE 1" = 80'

0 80' 160' 240'

NO.	Revisions or Type of Drawing Submittal	DATE:

Seal:

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

TREE DENSITY CALCULATION WORKSHEET

PHASE 2

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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(203) 894-1429 Fax

Date:	JANUARY 7, 2020
Drawn By:	DPP
Scale:	1" = 80'
North:	N
Sheet:	SK - 2

AREA 9 - BLUE
AREA 10 - ORANGE

Tree List

Tag# - Type - Size

105 oak 34
214 oak 33
222 oak 18-18
280 oak cluster
311 locust 36
312 locust 30
313 maple 10
314 hickory 14
315 maple 8
316 maple 12
317 elm 12
318 locust 30
319 maple 10
320 oak 14
321 wild cherry 12
322 wild cherry 8
323 hickory 12
324 maple 8
325 maple 12
326 maple 8
327 ash 10
328 pine 24
329 hickory 14
331 maple 10
332 elm 10
333 elm 12
334 ash 14
335 tulip 20-18
336 elm 14
337 ash 18
337 maple 12
338 hickory 12
338 maple 16
339 hickory 8
340 maple 12
341 maple 10
342 elm 10
343 hickory 16
344 hickory 10
345 elm 10
346 hickory 8
347 ash 12
348 elm 12
349 tulip 24-20-18
350 elm 8
351 hickory 4-10
352 wild cherry 20
353 maple 14
354 elm 12
355 tulip 16
356 tulip 18
357 maple 14
358 maple 10
359 maple 12
360 pine 26
361 pine 36
362 pine 14
363 pine 36
364 maple 16
365 pine 14
366 pine 24
369 locust 30-18
370 maple 10
371 maple 14
372 elm 14
373 maple 24
374 maple 10
375 maple 20
376 tulip 30
377 maple 16
378 elm 14
379 pine 30
380 pine 18-18
381 pine 30
382 maple 12
383 maple 16
384 locust 30
385 locust 36
386 locust 36
387 locust 16
388 maple 20
389 maple 12
390 locust 36
391 maple 24
392 locust 36
393 maple 14
394 maple 30
395 maple 10
396 maple 20-16
397 maple 18
398 maple 10
399 beech 18
400 maple 10
401 maple 10
402 maple 14
403 hickory 14
404 locust 10
405 oak 12
406 oak 12
407 maple 12
408 maple 12
409 maple 12
410 maple 12
411 maple 12
412 maple 12
413 oak 12
414 maple 24
415 maple 10
416 maple 14
417 maple 10
418 maple 12
419 maple 30
420 maple 12
421 maple 12
423 locust 36
424 oak 16
425 ailanthus 14
426 maple 14
427 locust 15
428 oak 14
429 elm 14
430 locust 30
431 oak 10
432 maple 12
433 maple 12
434 maple 18
435 maple 36
436 wild cherry 16
437 maple 12
438 maple 20
439 wild cherry 20
440 maple 10
441 maple 24
442 maple 16
443 wild cherry 16
444 maple 12
445 maple 18
446 maple 10
447 maple 40
448 oak 15
449 maple 10
450 maple 12
451 maple 10
452 maple 10
453 maple 12
454 tulip 36-24
455 maple 10
456 maple 10
457 maple 30
458 maple 10
459 wild cherry 16
460 elm 12
461 maple 14
462 wild cherry 20
463 wild cherry 30
464 maple 15
465 maple 12
466 locust 48
467 maple 14
468 tulip 36
469 tulip 18
470 maple 10
471 maple 18
472 maple 15
473 wild cherry 24
474 maple 24
475 maple 36
476 locust 16
477 maple 10
478 maple 40
479 maple 14
480 locust 12
481 maple 12
482 maple 20
483 maple 20
484 maple 14
485 ash 24
486 ash 14
487 maple 12
488 maple 14
489 maple 14
490 maple 10
491 maple 12
492 maple 15
493 maple 10
494 maple 12
495 locust 12
496 maple 12
497 ash 12
498 ash 14
499 ash 15
500 ash 12
1139 wild cherry 10
1155 maple 20
1156 ash 18-16
1157 maple 18

TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)

Tag# - Type - Size

1158 maple 12
1158 maple 18
1159 maple 16
1160 maple 36
1161 maple 10
1162 maple 18
1163 maple 12
1164 maple 15
1165 ash 10
1166 maple 12-10
1167 elm 18
1168 maple 12
1169 maple 24
1170 maple 12
1171 maple 10
1172 maple 12
1173 maple 36
1174 maple 40
1175 maple 10
1176 maple 12
1177 locust 10
1178 maple 10
1179 maple 16
1180 oak 10
1181 oak 15
1182 maple 14
1183 beech 12
1184 beech 14
1185 ailanthus 16
1186 black birch 10
1187 oak 24
1188 maple 12
1189 tulip 24
1190 pine 14
1191 maple 10
1192 maple 10
1193 maple 15
1194 wild cherry 12
1195 wild cherry 18
1196 ash 18
1197 maple 10
1198 pine 16
1199 black birch 20
1200 black birch 12
1201 black birch 14
1202 black birch 20
1203 birch 10
1204 black birch 12
1205 black birch 20
1206 black birch 12
1207 oak 14
1208 black birch 12
1209 black birch 14
1210 beech 16
1211 beech 14
1212 black birch 15
1213 black birch 12
1214 black birch 20
1215 maple 12
1216 elm 10
1217 ash 16
1218 elm 12
1219 elm 12
1220 elm 12
1221 black birch 15
1222 maple 30
1223 ash 26
1224 maple 15
1225 maple 30
1226 elm 10
1227 oak 10
1228 maple 15
1229 hickory 10
1230 maple 10
1231 oak 18
1232 ash 18
1233 maple 15
1234 maple 16
1235 maple 20
1236 maple 12
1237 maple 12
1238 maple 18
1239 maple 12-10-8
1240 ash 14
1241 ash 18-14
1242 maple 12
1243 ash 12
1244 ash 20
1245 ash 14-14
1246 ash 14
1247 ash 18
1248 ash 12
1249 elm 12
1250 maple 18
1251 maple 12
1252 maple 12
1253 oak 30
1254 ash 18
1255 elm 12
1256 ash 16
1257 maple 12
1258 wild cherry 14-12
1259 wild cherry 16-14
1261 maple 30
1262 maple 30
1263 maple 15
1264 maple 18
1265 maple 12
1266 maple 20
1267 maple 15-12
1268 oak 12
1269 maple 36
1270 maple 15
1271 maple 18
1272 maple 30
1273 oak 30
1274 birch 24
1275 black birch 12
1276 black birch 14
1277 hickory 24
1278 pine 36
1279 hickory 16
1280 hickory 10
1281 birch 12
1282 birch 14
1283 black birch 12
1284 black birch 12
1285 black birch 10
1286 pine 30
1287 birch 14-12
1288 maple 30
1289 maple 14
1290 maple 12
1291 wild cherry 10
1292 wild cherry 12
1293 oak 30
1294 apple12
1295 wild cherry 12
1296 maple 12
1297 maple 12
1298 oak 24
1299 maple 10
1300 oak 15
1301 oak 24
1302 maple 14
1303 maple 14
1304 wild cherry 14
1305 oak 10
1306 wild cherry 10
1307 oak 10
1308 oak 10
1309 wild cherry 10
1310 wild cherry 14
1311 wild cherry 14
1312 wild cherry 14
1313 maple 15
1314 maple 10
1315 maple 16-14-12-8
1316 ailanthus 10
1317 wild cherry 16
1318 maple 12
1319 wild cherry 10
1320 oak 26
1321 maple 10
1322 maple 15
1323 wild cherry 18
1324 wild cherry 14
1325 elm 10
1326 wild cherry 20
1327 wild cherry 15
1328 maple 12
1329 wild cherry 12
1330 maple 12
1331 maple 20
1332 oak 42
1333 oak 10
1334 oak 14
1335 wild cherry 10
1336 wild cherry 14-16
1337 wild cherry 28
1338 oak 16
1340 wild cherry 12
1341 wild cherry 24
1342 wild cherry 14
1343 maple 10
1344 ash 12
1345 apple12
1346 maple 10
1347 wild cherry 10
1348 maple 10
1349 wild cherry 12
1350 wild cherry 14
1351 oak 30
1352 maple 12
1353 oak 20

Tag# - Type - Size

1354 wild cherry 10
1355 maple 16
1356 wild cherry 15
1357 maple 16
1358 wild cherry 16
1359 wild cherry 12
1360 wild cherry 10
1361 wild cherry 12
1362 wild cherry 12
1363 wild cherry 12
1364 birch 20
1365 wild cherry 14-14
1366 oak 24
1367 maple 15
1368 maple 14
1369 maple 16-14
1370 wild cherry 15
1371 pine 24
1372 pine 24
1373 pine 18
1374 pine 18
1375 pine 18
1376 pine 30
1377 pine 28
1378 maple 15-10-8
1379 ash 12
1380 maple 12
1381 maple 12
1382 maple 16
1383 maple 12
1384 ash 16
1385 locust 15
1386 locust 12
1387 ash 14
1388 ash 16
1389 maple 15
1390 ash 12
1391 ash 10
1392 ash 10
1393 ash 12
1394 wild cherry 10
1395 maple 14
1396 ash 12
1397 hickory 12
1398 locust 12
1399 maple 12
1400 locust 20
1401 oak 15
1402 wild cherry 10
1403 black birch 10
1404 wild cherry 12
1405 ash 10
1406 maple 16
1407 maple 24
1408 maple 10
1409 wild cherry 10
1410 wild cherry 14
1411 locust 14
1412 elm 12
1413 wild cherry 12
1414 locust 30
1415 locust 12
1416 locust 10-10
1417 locust 10-8
1418 locust 12
1419 locust 10
1420 wild cherry 10
1421 maple 18
1422 ash 12
1423 ash 16
1424 wild cherry 14
1425 maple 18
1426 maple 18
1427 maple 16
1428 wild cherry 14
1429 maple 18
1430 elm 16
1431 maple 15
1432 maple 15
1433 maple 15
1434 maple 12
1434 maple 12
1435 ash 12
1436 ash 10-10
1437 ash 20
1438 maple 12
1439 maple 12
1440 maple 20
1441 maple 18
1442 maple 2
1443 maple 10
1444 maple 16
1445 maple 12
1446 oak 16
1447 maple 28
1448 maple 14
1449 maple 22
1450 oak 14
1451 maple 10
1452 tulip 15
1453 maple 12
1454 maple 12
1455 oak 10
1456 ash 18
1457 oak 12
1458 ash 10
1459 maple 15
1460 maple 16
1461 maple 10
1462 oak 10
1463 oak 15
1464 oak 16
1465 maple 12
1466 maple 14
1467 maple 14
1468 ash 10
1469 maple 10
1470 oak 18
1471 oak 14
1472 maple 30
1473 maple 10
1474 maple 20
1475 maple 10
1476 maple 16
1477 ash 12
1478 black birch 12
1479 maple 18
1480 maple 14
1481 hickory 16
1482 hickory 16
1483 hickory 18
1484 oak 14
1485 oak 10
1486 birch 10
1487 birch 14
1488 birch 14
1489 birch 10
1490 birch 10
1491 ash 12
1492 ash 12
1493 birch 22
1494 maple 12
1495 maple 24
1496 maple 36
1497 maple 10
1498 birch 15
1499 birch 24
1500 birch 16
1501 elm 18
1502 sycamore 12
1503 maple 24
1504 maple 32
1505 birch 16
1506 maple 12
1507 maple 18
1508 maple 12
1509 maple 16
1510 maple 12
1511 maple 12
1512 maple 24
1513 maple 20
1514 maple 32
1515 maple 15
1516 maple 14
1517 maple 16
1518 maple 30
1519 maple 12
1520 maple 20
1521 maple 15
1522 maple 15
1523 maple 10
1524 maple 12
1525 maple 10
1526 ash 10
1527 maple 12
1528 ash 10
1529 ash 12
1530 birch 10
1531 maple 8
1532 maple 10
1533 locust 12
1535 birch 10
1536 maple 10
1537 locust 30
1538 locust 30
1539 locust 12
1540 maple 10
1541 birch 20
1542 wild cherry 16
1543 wild cherry 14
1544 maple 18-10-18
1545 locust 16-10-12
1546 maple 10

Tag# - Type - Size

1547 wild cherry 18
1548 oak 14
1549 maple 10-10-10
1550 maple 18
1551 maple 12
1552 maple 24
1553 maple 20-16
1554 locust 24
1555 maple 10
1556 maple 24
1557 maple 18
1559 tree 14
1560 tree 16
1561 locust 14
1562 locust 14
1563 locust 14
1564 maple 14
1566 locust 16
1567 maple 28
1568 locust 12
1569 locust 14
1570 locust 14
1571 locust 14
1572 locust 10
1573 locust 12
1574 locust 14-14
1575 locust 10
1576 locust 14-6
1577 locust 10
1578 maple 10
1579 locust 16
1580 locust 14
1581 locust 18
1582 maple 10-10
1583 locust 20
1584 locust 14
1585 locust 14
1586 maple 16
1587 maple 12
1588 maple 18
1589 maple 12
1590 locust 10
1591 locust 10
1592 locust 10
1593 locust 10-10
1594 locust 10
1595 locust 10
1596 locust 10-10
1597 locust 10-10
1597 maple 10
1598 maple 10
1599 locust 24
1600 cedar 14
1601 oak 22
1602 cherry 18
1603 cherry 10
1604 oak 20
1605 locust 18
1606 tulip 10
1607 tulip 10
1608 pine 18
1609 oak 12-10-10
1610 pine 12
1611 pine 48
1612 pine 38
1613 pine 58
1614 pine 52
1615 pine 48
1616 pine 46
1617 oak 22
1618 oak 20
1619 oak 10
1620 oak 20
1621 oak 12
1622 tulip 10
1623 tulip 14
1624 tulip 14
1625 tulip 16
1626 pine 26
1627 maple 16
1628 cherry 10
1629 cherry 10
1630 locust 12
1631 cherry 10
1632 birch 10
1633 black birch 26
1634 birch 24
1635 birch 26
1636 oak 16
1637 oak 24
1638 cherry 12
1639 maple 26
1640 tulip 28
1641 birch 18
1642 maple 26
1643 oak 10
1644 oak 30
1645 maple 30
1646 tulip 14
1647 maple 26
1648 maple 44
1649 maple 24-22
1650 maple 32
1651 cherry 10
1652 cherry 10
1743 tree 12
1744 tree 14
1745 maple 18
1747 maple 12
1748 maple 18
1749 maple 18-6-10
1750 maple 10
1751 maple 18
1752 maple 16
1753 black birch 16
1754 maple 12-6
1755 maple 10
1756 maple 10
1757 maple 16
1758 maple 14
1759 wild cherry 16
1760 maple 20
1761 maple 10
1762 maple 10
1763 maple 10
1764 maple 10
1765 maple 14-16
1766 maple 18
1767 maple 10
1768 maple 10
1769 maple 10-10-8
1770 maple 18
1771 maple 16
1772 maple 14-16
1773 maple 16
1774 sycamore 12
1775 maple 16
1777 maple 14-18
1778 maple 16
1779 maple 16-20
1780 maple 18
1781 maple 10
1782 maple 12
1783 maple 12
1784 maple 12
1785 maple 20
1786 maple 12-14
1787 maple 10
1788 maple 12-20
1789 maple 18-6
1790 maple 10-10
1791 maple 20
1792 locust 16
1793 maple 10
1794 maple 10
1795 maple 10-14
1796 locust 14
1797 locust 18
1798 maple 16
1799 maple 16
1800 locust 12
2001 maple 12
2002 maple 12
2003 maple 14
2004 locust 24-24
2005 locust 10
2006 locust 10
2007 maple 20-20
2009 maple 10
2010 maple 28
2011 maple 14
2012 wild cherry 12-16
2013 tulip 24
2014 black birch 16
2015 maple 14
2017 black birch 16
2018 maple 12
2019 locust 10
2020 locust 10
2021 locust 10
2022 locust 10
2023 locust 10
2024 black birch 18
2025 black birch 16
2026 birch 10
2027 maple 16
2028 maple 14
2029 maple 16-16
2031 maple 18
2032 maple 10
2033 locust 36
2034 maple 18-16-20
2035 oak 26
2036 birch 10

Tag# - Type - Size

2037 birch 12
2038 black birch 14
2039 black birch 14
2040 oak 34
2041 oak 36
2042 wild cherry 16
2044 oak 28
2045 pine 20
2046 pine 10-8-12
2047 pine 20
2048 pine 16
2049 pine 14-16
2050 pine 16-18
2051 pine 24
2052 pine 30
2053 birch 48
2054 japanese maple 18
2055 maple 32
2056 maple 24
2057 maple 22
2058 maple 12
2059 maple 24
2060 maple 12
2061 maple 26
2062 oak 50
2063 oak 52
2064 maple 10
2065 oak 24
2066 maple 10-12
2067 oak 56
2068 maple 14
2069 maple 14
2070 maple 26
2071 maple 28
2073 oak 28
2074 maple 26
2075 oak 28
2076 oak 28
2077 oak 36
2078 oak 24
2079 maple 20
2080 maple 28
2101 maple 10
2102 maple 10-8
2103 pine 16
2104 oak 12
2105 pine 22
2106 pine 22
2107 oak 24-20
2108 tulip 16
2109 birch 20
2110 maple 16
2111 oak 14
2113 black birch 14
2114 maple 16
2115 wild cherry 16
2116 black birch 18
2117 black birch 12-14
2118 oak 24
2119 oak 16
2120 oak 24
2121 white birch 20
2123 oak 28
2124 beech 26
2125 maple 18
2126 maple 20
2127 maple 10
2128 maple 14
2129 locust 10
2130 locust 14
2131 oak 12
2132 wild cherry 10
2133 tulip 16
2135 tulip 20
2136 black birch 16
2137 wild cherry 16
2138 maple 10-10
2139 maple 24
2140 maple 10
2141 maple 10
2142 maple 10
2143 locust 36
2144 maple 10
2145 black birch 10
2146 tulip 16
2147 black birch 10
2148 tulip 18
2149 black birch 14
2150 oak 12
2151 pine 26
2152 tulip 24-10
2153 tulip 16
2154 maple 26
2155 maple 30
2156 tulip 20
2157 locust 18
2158 tulip 26
2159 birch 12
2160 wild cherry 18
2161 wild cherry 26
2162 locust 20
2163 wild cherry 24
2164 oak 10
2165 tulip 24
2166 locust 34
2167 wild cherry 12
2168 locust 12
2169 wild cherry 18
2170 tulip 26-28
2171 oak 36
2172 tulip 16
2173 beech 24
2174 oak 24
2175 black birch 16
2176 oak 36
2177 beech 24
2178 beech 30
2179 black birch 16
2181 beech 12
2182 black birch 18
2185 beech 20
2186 maple 10
2187 beech 24
2188 tulip 34
2189 maple 16
2190 maple 10
2191 maple 32
2192 maple 34
2193 maple 34
2194 beech 18
2195 maple 10
2196 maple 18
2197 maple 18
2198 tulip 16
2199 maple 12-12-14
2200 maple 16
2260 pine 14
2261 pine 8-8-10
2262 pine 6-10-10
2263 pine 12
2264 pine 14
2265 pine 14
2266 pine 10-10
2267 pine 14
2268 pine 10
2269 pine 24
2270 maple 24
2271 maple 24
2272 maple 24
2273 maple 20
2274 pine 34
2275 pine 34
2276 pine 34
2277 maple 10-14
2278 maple 26
2279 maple 36
2280 maple 36
2281 maple 10
2282 pine 14
2283 pine 14
2284 pine 14
2286 pine 16
2286 black birch 14
2287 beech 28
2288 maple 22
2289 maple 22
2290 pine 14
2291 pine 10
2292 pine 10
2293 maple 10
2294 maple 26
2295 maple 12-12
2296 maple 28
2297 maple 28
2298 oak 30
2299 pine 24
2300 pine 14

Tag# - Type - Size

4191 maple 38
4192 locust 30
4602 black birch cluster
4603 tree cluster
4604 maple 26
4605 maple 26
4606 maple 40
4607 oak 28
4608 oak 28
4609 hickory 24
4610 maple cluster
4611 maple 28
4612 tree 26
4613 maple 24
4614 oak 30
4615 oak 30
4616 oak 28
4617 tulip 32
4618 oak 30
4619 tulip 28
4620 oak 34
4621 tree 26
4622 japanese maple 16
4623 oak 28
4624 oak 24
4625 maple 18-18
4626 sycamore cluster
4627 japanese maple 12
4628 black birch cluster
4629 japanese maple cluster
4630 tree 12
4631 sycamore 40
4632 sycamore 40
4633 maple 44
4634 maple 30
4636 maple 36
4637 tulip 28
4638 maple 28
4639 oak 36
4640 oak 32
4641 maple 28
4642 tulip 38-30
4643 maple 28
4644 locust 12
4698 maple 36

TREES REMAINING IN PHASE 1

NOTE
- RECTANGLES DENOTE TREES TO REMAIN
- ADDITIONAL TREES REMAIN AS LABELED DIRECTLY ON THE PLAN

Iree List

Tag# - Type - Size

105 oak 34
214 oak 33
222 oak 18-18
280 oak cluster
311 locust 36
312 locust 30
313 maple 10
314 hickory 14
315 maple 8
316 maple 12
317 elm 12
318 locust 30
319 maple 10
320 oak 14
321 wild cherry 12
322 wild cherry 8
323 hickory 12
324 maple 8
325 maple 12
326 maple 8
327 ash 10
328 pine 24
329 hickory 14
331 maple 10
332 elm 10
333 elm 12
334 ash 14
335 tulip 20-18
336 elm 14
337 ash 18
337 maple 12
338 hickory 12
338 maple 16
339 hickory 8
340 maple 12
341 maple 10
342 elm 10
343 hickory 16
344 hickory 10
345 elm 10
346 hickory 8
347 ash 12
348 elm 12
349 tulip 24-20-18
350 elm 8
351 hickory 4-10
352 wild cherry 20
353 maple 14
354 elm 12
355 tulip 16
356 tulip 18
357 maple 14
358 maple 10
359 maple 12
360 pine 26
361 pine 36
362 pine 14
363 pine 36
364 maple 16
365 pine 14
366 pine 24
369 locust 30-18
370 maple 10
371 maple 14
372 elm 14
373 maple 24
374 maple 10
375 maple 20
376 tulip 30
377 maple 16
378 elm 14
379 pine 30
380 pine 18-18
381 pine 30
382 maple 12
383 maple 16
384 locust 30
385 locust 36
386 locust 36
387 locust 16
388 maple 20
389 maple 12
390 locust 36
391 maple 24
392 locust 36
393 maple 14
394 maple 30
395 maple 10
396 maple 20-16
397 maple 18
398 maple 10
399 beech 18
400 maple 10
401 maple 10
402 maple 14
403 hickory 14
404 locust 10
405 oak 12
406 oak 12
407 maple 12
408 maple 12
409 maple 12
410 maple 12
411 maple 12
412 maple 12
413 oak 12
414 maple 24
415 maple 10
416 maple 14
417 maple 10
418 maple 12
419 maple 30
420 maple 12
421 maple 12
423 locust 36
424 oak 16
425 ailanthus 14
426 maple 14
427 locust 15
428 oak 14
429 elm 14
430 locust 30
431 oak 10
432 maple 12
433 maple 12
434 maple 18
435 maple 36
436 wild cherry 16
437 maple 12
438 maple 20
439 wild cherry 20
440 maple 10
441 maple 24
442 maple 16
443 wild cherry 16
444 maple 12
445 maple 18
446 maple 10
447 maple 40
448 oak 15
449 maple 10
450 maple 12
451 maple 10
452 maple 10
453 maple 12
454 tulip 36-24
455 maple 10
456 maple 10
457 maple 30
458 maple 10
459 wild cherry 16
460 elm 12
461 maple 14
462 wild cherry 20
463 wild cherry 30
464 maple 15
465 maple 12
466 locust 48
467 maple 14
468 tulip 36
469 tulip 18
470 maple 10
471 maple 18
472 maple 15
473 wild cherry 24
474 maple 24
475 maple 36
476 locust 16
477 maple 10
478 maple 40
479 maple 14
480 locust 12
481 maple 12
482 maple 20
483 maple 20
484 maple 14
485 ash 24
486 ash 14
487 maple 12
488 maple 14
489 maple 14
490 maple 10
491 maple 12
492 maple 15
493 maple 10
494 maple 12
495 locust 12
496 maple 12
497 ash 12
498 ash 14
499 ash 15
500 ash 12
1139 wild cherry 10
1155 maple 20
1156 ash 18-16
1157 maple 18

TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)

Tag# - Type - Size

1158 maple 12
1158 maple 18
1159 maple 16
1160 maple 36
1161 maple 10
1162 maple 18
1163 maple 12
1164 maple 15
1165 ash 10
1166 maple 12-10
1167 elm 18
1168 maple 12
1169 maple 24
1170 maple 12
1171 maple 10
1172 maple 12
1173 maple 36
1174 maple 40
1175 maple 10
1176 maple 12
1177 locust 10
1178 maple 10
1179 maple 16
1180 oak 10
1181 oak 15
1182 maple 14
1183 beech 12
1184 beech 14
1185 ailanthus 16
1186 black birch 10
1187 oak 24
1188 maple 12
1189 tulip 24
1190 pine 14
1191 maple 10
1192 maple 10
1193 maple 15
1194 wild cherry 12
1195 wild cherry 18
1196 ash 18
1197 maple 10
1198 pine 16
1199 black birch 20
1200 black birch 12
1201 black birch 14
1202 black birch 20
1203 birch 10
1204 black birch 12
1205 black birch 20
1206 black birch 12
1207 oak 14
1208 black birch 12
1209 black birch 14
1210 beech 16
1211 beech 14
1212 black birch 15
1213 black birch 12
1214 black birch 20
1215 maple 12
1216 elm 10
1217 ash 16
1218 elm 12
1219 elm 12
1220 elm 12
1221 black birch 15
1222 maple 30
1223 ash 26
1224 maple 15
1225 maple 30
1226 elm 10
1227 oak 10
1228 maple 15
1229 hickory 10
1230 maple 10
1231 oak 18
1232 ash 18
1233 maple 15
1234 maple 16
1235 maple 20
1236 maple 12
1237 maple 12
1238 maple 18
1239 maple 12-10-8
1240 ash 14
1241 ash 18-14
1242 maple 12
1243 ash 12
1244 ash 20
1245 ash 14-14
1246 ash 14
1247 ash 18
1248 ash 12
1249 elm 12
1250 maple 18
1251 maple 12
1252 maple 12
1253 oak 30
1254 ash 18
1255 elm 12
1256 ash 16
1257 maple 12
1258 wild cherry 14-12
1259 wild cherry 16-14
1261 maple 30
1262 maple 30
1263 maple 15
1264 maple 18
1265 maple 12
1266 maple 20
1267 maple 15-12
1268 oak 12
1269 maple 36
1270 maple 15
1271 maple 18
1272 maple 30
1273 oak 30
1274 birch 24
1275 black birch 12
1276 black birch 14
1277 hickory 24
1278 pine 36
1279 hickory 16
1280 hickory 10
1281 birch 12
1282 birch 14
1283 black birch 12
1284 black birch 12
1285 black birch 10
1286 pine 30
1287 birch 14-12
1288 maple 30
1289 maple 14
1290 maple 12
1291 wild cherry 10
1292 wild cherry 12
1293 oak 30
1294 apple12
1295 wild cherry 12
1296 maple 12
1297 maple 12
1298 oak 24
1299 maple 10
1300 oak 15
1301 oak 24
1302 maple 14
1303 maple 14
1304 wild cherry 14
1305 oak 10
1306 wild cherry 10
1307 oak 10
1308 oak 10
1309 wild cherry 10
1310 wild cherry 14
1311 wild cherry 14
1312 wild cherry 14
1313 maple 15
1314 maple 10
1315 maple 16-14-12-8
1316 ailanthus 10
1317 wild cherry 16
1318 maple 12
1319 wild cherry 10
1320 oak 26
1321 maple 10
1322 maple 15
1323 wild cherry 18
1324 wild cherry 14
1325 elm 10
1326 wild cherry 20
1327 wild cherry 15
1328 maple 12
1329 wild cherry 12
1330 maple 12
1331 maple 20
1332 oak 42
1333 oak 10
1334 oak 14
1335 wild cherry 10
1336 wild cherry 14-16
1337 wild cherry 28
1338 oak 16
1340 wild cherry 12
1341 wild cherry 24
1342 wild cherry 14
1343 maple 10
1344 ash 12
1345 apple12
1346 maple 10
1347 wild cherry 10
1348 maple 10
1349 wild cherry 12
1350 wild cherry 14
1351 oak 30
1352 maple 12
1353 oak 20

Tag# - Type - Size

1354 wild cherry 10
1355 maple 16
1356 wild cherry 15
1357 maple 16
1358 wild cherry 16
1359 wild cherry 12
1360 wild cherry 10
1361 wild cherry 12
1362 wild cherry 12
1363 wild cherry 12
1364 birch 20
1365 wild cherry 14-14
1366 oak 24
1367 maple 15
1368 maple 14
1369 maple 16-14
1370 wild cherry 15
1371 pine 24
1372 pine 24
1373 pine 18
1374 pine 18
1375 pine 18
1376 pine 30
1377 pine 28
1378 maple 15-10-8
1379 ash 12
1380 maple 12
1381 maple 12
1382 maple 16
1383 maple 12
1384 ash 16
1385 locust 15
1386 locust 12
1387 ash 14
1388 ash 16
1389 maple 15
1390 ash 12
1391 ash 10
1392 ash 10
1393 ash 12
1394 wild cherry 10
1395 maple 14
1396 ash 12
1397 hickory 12
1398 locust 12
1399 maple 12
1400 locust 20
1401 oak 15
1402 wild cherry 10
1403 black birch 10
1404 wild cherry 12
1405 ash 10
1406 maple 16
1407 maple 24
1408 maple 10
1409 wild cherry 10
1410 wild cherry 14
1411 locust 14
1412 elm 12
1413 wild cherry 12
1414 locust 30
1415 locust 12
1416 locust 10-10
1417 locust 10-8
1418 locust 12
1419 locust 10
1420 wild cherry 10
1421 maple 18
1422 ash 12
1423 ash 16
1424 wild cherry 14
1425 maple 18
1426 maple 18
1427 maple 16
1428 wild cherry 14
1429 maple 18
1430 elm 16
1431 maple 15
1432 maple 15
1433 maple 15
1434 maple 12
1434 maple 12
1435 ash 12
1436 ash 10-10
1437 ash 20
1438 maple 12
1439 maple 12
1440 maple 20
1441 maple 18
1442 maple 2
1443 maple 10
1444 maple 16
1445 maple 12
1446 oak 16
1447 maple 28
1448 maple 14
1449 maple 22
1450 oak 14
1451 maple 10
1452 tulip 15
1453 maple 12
1454 maple 12
1455 oak 10
1456 ash 18
1457 oak 12
1458 ash 10
1459 maple 15
1460 maple 16
1461 maple 10
1462 oak 10
1463 oak 15
1464 oak 16
1465 maple 12
1466 maple 14
1467 maple 14
1468 ash 10
1469 maple 10
1470 oak 18
1471 oak 14
1472 maple 30
1473 maple 10
1474 maple 20
1475 maple 10
1476 maple 16
1477 ash 12
1478 black birch 12
1479 maple 18
1480 maple 14
1481 hickory 16
1482 hickory 16
1483 hickory 18
1484 oak 14
1485 oak 10
1486 birch 10
1487 birch 14
1488 birch 14
1489 birch 10
1490 birch 10
1491 ash 12
1492 ash 12
1493 birch 22
1494 maple 12
1495 maple 24
1496 maple 36
1497 maple 10
1498 birch 15
1499 birch 24
1500 birch 16
1501 elm 18
1502 sycamore 12
1503 maple 24
1504 maple 32
1505 birch 16
1506 maple 12
1507 maple 18
1508 maple 12
1509 maple 16
1510 maple 12
1511 maple 12
1512 maple 24
1513 maple 20
1514 maple 32
1515 maple 15
1516 maple 14
1517 maple 16
1518 maple 30
1519 maple 12
1520 maple 20
1521 maple 15
1522 maple 15
1523 maple 10
1524 maple 12
1525 maple 10
1526 ash 10
1527 maple 12
1528 ash 10
1529 ash 12
1530 birch 10
1531 maple 8
1532 maple 10
1533 locust 12
1535 birch 10
1536 maple 10
1537 locust 30
1538 locust 30
1539 locust 12
1540 maple 10
1541 birch 20
1542 wild cherry 16
1543 wild cherry 14
1544 maple 18-10-18
1545 locust 16-10-12
1546 maple 10

Tag# - Type - Size

1547 wild cherry 18
1548 oak 14
1549 maple 10-10-10
1550 maple 18
1551 maple 12
1552 maple 24
1553 maple 20-16
1554 locust 24
1555 maple 10
1556 maple 24
1557 maple 18
1559 tree 14
1560 tree 16
1561 locust 14
1562 locust 14
1563 locust 14
1564 maple 14
1566 locust 16
1567 maple 28
1568 locust 12
1569 locust 14
1570 locust 14
1571 locust 14
1572 locust 10
1573 locust 12
1574 locust 14-14
1575 locust 10
1576 locust 14-6
1577 locust 10
1578 maple 10
1579 locust 16
1580 locust 14
1581 locust 18
1582 maple 10-10
1583 locust 20
1584 locust 14
1585 locust 14
1586 maple 16
1587 maple 12
1588 maple 18
1589 maple 12
1590 locust 10
1591 locust 10
1592 locust 10
1593 locust 10-10
1594 locust 10
1595 locust 10
1596 locust 10-10
1597 locust 10-10
1597 maple 10
1598 maple 10
1599 locust 24
1600 cedar 14
1601 oak 22
1602 cherry 18
1603 cherry 10
1604 oak 20
1605 locust 18
1606 tulip 10
1607 tulip 10
1608 pine 18
1609 oak 12-10-10
1610 pine 12
1611 pine 48
1612 pine 38
1613 pine 58
1614 pine 52
1615 pine 48
1616 pine 46
1617 oak 22
1618 oak 20
1619 oak 10
1620 oak 20
1621 oak 12
1622 tulip 10
1623 tulip 14
1624 tulip 14
1625 tulip 16
1626 pine 26
1627 maple 16
1628 cherry 10
1629 cherry 10
1630 locust 12
1631 cherry 10
1632 birch 10
1633 black birch 26
1634 birch 24
1635 birch 26
1636 oak 16
1637 oak 24
1638 cherry 12
1639 maple 26
1640 tulip 28
1641 birch 18
1642 maple 26
1643 oak 10
1644 oak 30
1645 maple 30
1646 tulip 14
1647 maple 26
1648 maple 44
1649 maple 24-22
1650 maple 32
1651 cherry 10
1652 cherry 10
1743 tree 12
1744 tree 14
1745 maple 18
1747 maple 12
1748 maple 18
1749 maple 18-6-10
1750 maple 10
1751 maple 18
1752 maple 16
1753 black birch 16
1754 maple 12-6
1755 maple 10
1756 maple 10
1757 maple 16
1758 maple 14
1759 wild cherry 16
1760 maple 20
1761 maple 10
1762 maple 10
1763 maple 10
1764 maple 10
1765 maple 14-16
1766 maple 18
1767 maple 10
1768 maple 10
1769 maple 10-10-8
1770 maple 18
1771 maple 16
1772 maple 14-16
1773 maple 16
1774 sycamore 12
1775 maple 16
1777 maple 14-18
1778 maple 16
1779 maple 16-20
1780 maple 18
1781 maple 10
1782 maple 12
1783 maple 12
1784 maple 12
1785 maple 20
1786 maple 12-14
1787 maple 10
1788 maple 12-20
1789 maple 18-6
1790 maple 10-10
1791 maple 20
1792 locust 16
1793 maple 10
1794 maple 10
1795 maple 10-14
1796 locust 14
1797 locust 18
1798 maple 16
1799 maple 16
1800 locust 12
2001 maple 12
2002 maple 12
2003 maple 14
2004 locust 24-24
2005 locust 10
2006 locust 10
2007 maple 20-20
2009 maple 10
2010 maple 28
2011 maple 14
2012 wild cherry 12-16
2013 tulip 24
2014 black birch 16
2015 maple 14
2017 black birch 16
2018 maple 12
2019 locust 10
2020 locust 10
2021 locust 10
2022 locust 10
2023 locust 10
2024 black birch 18
2025 black birch 16
2026 birch 10
2027 maple 16
2028 maple 14
2029 maple 16-16
2031 maple 18
2032 maple 10
2033 locust 36
2034 maple 18-16-20
2035 oak 26
2036 birch 10

Tag# - Type - Size

2037 birch 12
2038 black birch 14
2039 black birch 14
2040 oak 34
2041 oak 36
2042 wild cherry 16
2044 oak 28
2045 pine 20
2046 pine 10-8-12
2047 pine 20
2048 pine 16
2049 pine 14-16
2050 pine 16-18
2051 pine 24
2052 pine 30
2053 birch 48
2054 japanese maple 18
2055 maple 32
2056 maple 24
2057 maple 22
2058 maple 12
2059 maple 24
2060 maple 12
2061 maple 26
2062 oak 50
2063 oak 52
2064 maple 10
2065 oak 24
2066 maple 10-12
2067 oak 56
2068 maple 14
2069 maple 14
2070 maple 26
2071 maple 28
2073 oak 28
2074 maple 26
2075 oak 28
2076 oak 28
2077 oak 36
2078 oak 24
2079 maple 20
2080 maple 28
2101 maple 10
2102 maple 10-8
2103 pine 16
2104 oak 12
2105 pine 22
2106 pine 22
2107 oak 24-20
2108 tulip 16
2109 birch 20
2110 maple 16
2111 oak 14
2113 black birch 14
2114 maple 16
2115 wild cherry 16
2116 black birch 18
2117 black birch 12-14
2118 oak 24
2119 oak 16
2120 oak 24
2121 white birch 20
2123 oak 28
2124 beech 26
2125 maple 18
2126 maple 20
2127 maple 10
2128 maple 14
2129 locust 10
2130 locust 14
2131 oak 12
2132 wild cherry 10
2133 tulip 16
2135 tulip 20
2136 black birch 16
2137 wild cherry 16
2138 maple 10-10
2139 maple 24
2140 maple 10
2141 maple 10
2142 maple 10
2143 locust 36
2144 maple 10
2145 black birch 10
2146 tulip 16
2147 black birch 10
2148 tulip 18
2149 black birch 14
2150 oak 12
2151 pine 26
2152 tulip 24-10
2153 tulip 16
2154 maple 26
2155 maple 30
2156 tulip 20
2157 locust 18
2158 tulip 26
2159 birch 12
2160 wild cherry 18
2161 wild cherry 26
2162 locust 20
2163 wild cherry 24
2164 oak 10
2165 tulip 24
2166 locust 34
2167 wild cherry 12
2168 locust 12
2169 wild cherry 18
2170 tulip 26-28
2171 oak 36
2172 tulip 16
2173 beech 24
2174 oak 24
2175 black birch 16
2176 oak 36
2177 beech 24
2178 beech 30
2179 black birch 16
2181 beech 12
2182 black birch 18
2185 beech 20
2186 maple 10
2187 beech 24
2188 tulip 34
2189 maple 16
2190 maple 10
2191 maple 32
2192 maple 34
2193 maple 34
2194 beech 18
2195 maple 10
2196 maple 18
2197 maple 18
2198 tulip 16
2199 maple 12-12-14
2200 maple 16
2260 pine 14
2261 pine 8-8-10
2262 pine 6-10-10
2263 pine 12
2264 pine 14
2265 pine 14
2266 pine 10-10
2267 pine 14
2268 pine 10
2269 pine 24
2270 maple 24
2271 maple 24
2272 maple 24
2273 maple 20
2274 pine 34
2275 pine 34
2276 pine 34
2277 maple 10-14
2278 maple 26
2279 maple 36
2280 maple 36
2281 maple 10
2282 pine 14
2283 pine 14
2284 pine 14
2286 pine 16
2286 black birch 14
2287 beech 28
2288 maple 22
2289 maple 22
2290 pine 14
2291 pine 10
2292 pine 10
2293 maple 10
2294 maple 26
2295 maple 12-12
2296 maple 28
2297 maple 28
2298 oak 30
2299 pine 24
2300 pine 14

Tag# - Type - Size

4191 maple 38
4192 locust 30
4602 black birch cluster
4603 tree cluster
4604 maple 26
4605 maple 26
4606 maple 40
4607 oak 28
4608 oak 28
4609 hickory 24
4610 maple cluster
4611 maple 28
4612 tree 26
4613 maple 24
4614 oak 30
4615 oak 30
4616 oak 28
4617 tulip 32
4618 oak 30
4619 tulip 28
4620 oak 34
4621 tree 26
4622 japanese maple 16
4623 oak 28
4624 oak 24
4625 maple 18-18
4626 sycamore cluster
4627 japanese maple 12
4628 black birch cluster
4629 japanese maple cluster
4630 tree 12
4631 sycamore 40
4632 sycamore 40
4633 maple 44
4634 maple 30
4636 maple 36
4637 tulip 28
4638 maple 28
4639 oak 36
4640 oak 32
4641 maple 28
4642 tulip 38-30
4643 maple 28
4644 locust 12
4698 maple 36

TREES REMAINING IN PHASE 2

NOTE
- RECTANGLES DENOTE TREES TO REMAIN
- ADDITIONAL TREES REMAIN AS LABELED DIRECTLY ON THE PLAN

DATE:

Revisions or Type of Drawing Submittal

NO. 1 2 3 4 5 6 7 8 9 10

Seal:

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

TREE LEGEND CALCULATION WORKSHEET

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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STUDER DESIGN ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date: JANUARY 7, 2020
Drawn By: DPP
Scale: NO SCALE
North:

Sheet: SK - 3

PLANTING NOTES

1. BIDS SHALL INCLUDE SITE PREPARATION, PERCOLATION TESTS, PLANTING MEDIUMS, PLANT MATERIALS, TREE PITS, INSTALLATION, STAKING & GUYING, FERTILIZER, MULCH, & PLANT GUARANTEES UNLESS NOTED OTHERWISE.
2. PROVIDE & INSTALL PLANTINGS IN COMPLIANCE WITH STANDARDS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL & NURSERYMEN PRACTICES. SIZE & GRADING STANDARDS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK; PLANTS SHALL EQUAL OR EXCEED NOTED SIZES.
3. ADJUST EXISTING IRRIGATION SYSTEM TO COVER NEW PLANTING AREAS OR COORDINATE SERVICES WITH OWNER'S IRRIGATION CONTRACTOR AS REQUIRED TO ENSURE NEW PLANTINGS ARE ADEQUATELY IRRIGATED.

SEEDING NOTES

1. SEEDING WINDOWS SHALL BE BETWEEN APRIL & JUNE 1ST, & BETWEEN AUGUST 15TH &OCTOBER 1ST, OR DURING PERIODS OF SUITABLE WEATHER CONDITIONS.
2. ROTO-TILL COMPACTED AREAS PRIOR TO SEEDING AND INSTALL 1" OF LOOSELY-APPLIED SHREDDED STRAW IN A UNIFORM LAYER TO ALL SEEDED AREAS; APPLY EROSION CONTROL MEASURES TO SLOPES IN EXCESS OF 1:2.
3. TOPSOIL: PROVIDE & INSTALL SPECIFIED QUANTITIES FOR SEEDING OPERATIONS; STATE TOTAL AMOUNTS, IN CUBIC YARDS, OF TOPSOIL NEEDED IN PROPOSAL.
4. APPLY STARTER FERTILIZER AT THE RATE RECOMMENDED BY MANUFACTURER.
5. RE-SEED ALL AREAS NOT SHOWING A SATISFACTORY STAND OF GRASS AFTER 30 DAYS & CONTINUE TO DO SO UNTIL A HEALTHY & STAND OF GRASS HAS BEEN ESTABLISHED.

TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 1 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	145	87
12"	0.8	163	130.4
14"	1.1	95	104.5
16"	1.4	65	91
18"	1.8	48	86.4
20"	2.2	32	70.4
22"	2.6	9	23.4
24"	3.1	39	120.9
26"	3.7	14	51.8
28"	4.3	18	77.4
30"	4.9	29	142.1
32"	5.5	9	49.5
36"	7	21	147
38"	7.5	2	15
40"	8	13	104
			1300.8

NO.	Revisions or Type of Drawing Submittal	DATE:

Seal:

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Title:

TREE DENSITY CALCULATION WORKSHEET

PHASE 1

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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STUDER DESIGN ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date:	JANUARY 7, 2020
Drawn By:	DPP
Scale:	1" = 80'
North:	N
Sheet:	SK - 1

SCALE 1" = 80'
0 80' 160' 240'

PLANTING NOTES

1. BIDS SHALL INCLUDE SITE PREPARATION, PERCOLATION TESTS, PLANTING MEDIUMS, PLANT MATERIALS, TREE PITS, INSTALLATION, STAKING & GUYING, FERTILIZER, MULCH, & PLANT GUARANTEES UNLESS NOTED OTHERWISE.
2. PROVIDE & INSTALL PLANTINGS IN COMPLIANCE WITH STANDARDS ESTABLISHED BY RECOGNIZED LANDSCAPE ARCHITECTURAL & NURSERYMEN PRACTICES. SIZE & GRADING STANDARDS SHALL CONFORM TO THE AMERICAN STANDARDS FOR NURSERY STOCK; PLANTS SHALL EQUAL OR EXCEED NOTED SIZES.
3. ADJUST EXISTING IRRIGATION SYSTEM TO COVER NEW PLANTING AREAS OR COORDINATE SERVICES WITH OWNER'S IRRIGATION CONTRACTOR AS REQUIRED TO ENSURE NEW PLANTINGS ARE ADEQUATELY IRRIGATED.

SEEDING NOTES

1. SEEDING WINDOWS SHALL BE BETWEEN APRIL & JUNE 1ST, & BETWEEN AUGUST 15TH &OCTOBER 1ST, OR DURING PERIODS OF SUITABLE WEATHER CONDITIONS.
2. ROTO-TILL COMPACTED AREAS PRIOR TO SEEDING AND INSTALL 1" OF LOOSELY-APPLIED SHREDDED STRAW IN A UNIFORM LAYER TO ALL SEEDED AREAS; APPLY EROSION CONTROL MEASURES TO SLOPES IN EXCESS OF 12.
3. TOPSOIL: PROVIDE & INSTALL SPECIFIED QUANTITIES FOR SEEDING OPERATIONS; STATE TOTAL AMOUNTS, IN CUBIC YARDS, OF TOPSOIL NEEDED IN PROPOSAL.
4. APPLY STARTER FERTILIZER AT THE RATE RECOMMENDED BY MANUFACTURER.
5. RE-SEED ALL AREAS NOT SHOWING A SATISFACTORY STAND OF GRASS AFTER 30 DAYS & CONTINUE TO DO SO UNTIL A HEALTHY & STAND OF GRASS HAS BEEN ESTABLISHED.

TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 2 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	65	39
12"	0.8	80	64
14"	1.1	45	49.5
16"	1.4	30	42
18"	1.8	23	41.4
20"	2.2	15	33
22"	2.6	3	7.8
24"	3.1	13	40.3
26"	3.7	3	11.1
28"	4.3	4	17.2
30"	4.9	17	83.3
32"	5.5	3	16.5
36"	7	10	70
38"	7.5	1	7.5
40"	8	6	48
			570.6

Area 1

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	39	23.4
12"	0.8	30	24
14"	1.1	17	18.7
16"	1.4	7	9.8
18"	1.8	12	21.6
20"	2.2	6	13.2
22"	2.6	1	2.6
24"	3.1	1	3.1
26"	3.7	1	3.7
28"	4.3	1	4.3
30"	4.9	1	4.9
32"	5.5	1	5.5
34"	6.2	1	6.2
36"	7	1	7
38"	7.5	1	7.5
40"	8	1	8
			180.5

Area 2

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	41	24.6
12"	0.8	33	26.4
14"	1.1	21	23.1
16"	1.4	16	22.4
18"	1.8	8	14.4
20"	2.2	6	13.2
22"	2.6	2	5.2
24"	3.1	9	27.9
26"	3.7	3	11.1
28"	4.3	2	8.6
30"	4.9	10	49
32"	5.5	2	11
34"	6.2	1	6.2
36"	7	9	63
38"	7.5	1	7.5
40"	8	5	40
			344.6

Area 3

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	1	0.6
12"	0.8	2	1.6
14"	1.1	2	2.2
16"	1.4	1	1.4
18"	1.8	0	0
20"	2.2	2	4.4
22"	2.6		0
24"	3.1		0
26"	3.7	0	0
28"	4.3	0	0
30"	4.9	0	0
32"	5.5		0
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			10.2

Area 4

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	7	4.2
12"	0.8	7	5.6
14"	1.1	2	2.2
16"	1.4	1	1.4
18"	1.8	1	1.8
20"	2.2		0
22"	2.6	1	2.6
24"	3.1	1	3.1
26"	3.7		0
28"	4.3	3	12.9
30"	4.9	3	14.7
32"	5.5	1	5.5
34"	6.2		0
36"	7	1	7
38"	7.5		0
40"	8		0
			64.7

Area 5

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	3	1.8
12"	0.8	4	3.2
14"	1.1	4	4.4
16"	1.4	3	4.2
18"	1.8	3	5.4
20"	2.2	3	6.6
22"	2.6	1	2.6
24"	3.1	3	9.3
26"	3.7		0
28"	4.3		0
30"	4.9		0
32"	5.5	2	11
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			57.5

Area 6 - trees in R.O.W.; not included

caliper	density factor	# of trees to remain	trees x DF
10"	0.6	1	0.6
12"	0.8	1	0.8
14"	1.1		0
16"	1.4		0
18"	1.8	3	5.4
20"	2.2		0
22"	2.6		0
24"	3.1		0
26"	3.7		0
28"	4.3		0
30"	4.9		0
32"	5.5		0
34"	6.2		0
36"	7		0
38"	7.5		0
40"	8		0
			6.8

SCALE 1" = 80'

0 80' 160' 240'

NO.	Revisions or Type of Drawing Submittal	DATE:

Seal:

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

TREE DENSITY CALCULATION WORKSHEET

PHASE 2

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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Date:	JANUARY 7, 2020
Drawn By:	DPP
Scale:	1" = 80'
North:	N
Sheet:	SK - 2

AREA 9 - BLUE
AREA 10 - ORANGE

Tree List

Tag# – Type – Size

105 oak 34
214 oak 33
222 oak 18–18
280 oak cluster
311 locust 36
312 locust 30
313 maple 10
PZ-2
314 hickory 14
315 maple 8
316 maple 12
317 elm 12
318 locust 30
319 maple 10
320 oak 14
321 wild cherry 12
322 wild cherry 8
323 hickory 12
324 maple 8
325 maple 12
326 maple 8
327 ash 10
328 pine 24
329 hickory 14
331 maple 10
TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)
332 elm 10
333 elm 12
334 ash 14
335 tulip 20–18
336 elm 14
337 ash 18
337 maple 12
338 hickory 12
338 maple 16
PZ-2
339 hickory 8
340 maple 12
341 maple 10
342 elm 10
343 hickory 16
344 hickory 10
345 elm 10
346 hickory 8
347 ash 12
348 elm 12
349 tulip 24–20–18
350 elm 8
351 hickory 4–10
352 wild cherry 20
353 maple 14
354 elm 12
355 tulip 16
356 tulip 18
357 maple 14
358 maple 10
359 maple 12
360 pine 26
361 pine 36
362 pine 14
363 pine 36
364 maple 16
365 pine 14
366 pine 24
369 locust 30–18
370 maple 10
371 maple 14
372 elm 14
373 maple 24
374 maple 10
375 maple 20
376 tulip 30
377 maple 16
378 elm 14
379 pine 30
380 pine 18–18
381 pine 30
382 maple 12
383 maple 16
384 locust 30
385 locust 36
386 locust 36
387 locust 16
388 maple 20
PZ-2
389 maple 12
390 locust 36
391 maple 24
392 locust 36
393 maple 14
394 maple 30
395 maple 10
396 maple 20–16
397 maple 18
398 maple 10
399 beech 18
400 maple 10
401 maple 10
402 maple 14
403 hickory 14
404 locust 10
405 oak 12
406 oak 12
407 maple 12
408 maple 12
409 maple 12
410 maple 12
411 maple 12
412 maple 12
413 oak 12
414 maple 24
415 maple 10
416 maple 14
417 maple 10
418 maple 12
419 maple 30
420 maple 12
421 maple 12
423 locust 36
424 oak 16
425 ailanthus 14
426 maple 14
427 locust 15
428 oak 14
429 elm 14
430 locust 30
431 oak 10
432 maple 12
433 maple 12
434 maple 18
435 maple 36
436 wild cherry 16
437 maple 12
438 maple 20
439 wild cherry 20
440 maple 10
441 maple 24
442 maple 16
443 wild cherry 16
444 maple 12
445 maple 18
446 maple 10
447 maple 40
PZ-2
448 oak 15
449 maple 10
450 maple 12
451 maple 10
452 maple 10
453 maple 12
454 tulip 36–24
455 maple 10
456 maple 10
457 maple 30
458 maple 10
459 wild cherry 16
460 elm 12
461 maple 14
462 wild cherry 20
463 wild cherry 30
464 maple 15
465 maple 12
466 locust 48
467 maple 14
468 tulip 36
469 tulip 18
470 maple 10
471 maple 18
472 maple 15
PZ-2
473 wild cherry 24
474 maple 24
475 maple 36
476 locust 16
PZ-2
477 maple 10
478 maple 40
479 maple 14
480 locust 12
481 maple 12
482 maple 20
483 maple 20
484 maple 14
485 ash 24
486 ash 14
487 maple 12
488 maple 14
489 maple 14
490 maple 10
491 maple 12
492 maple 15
493 maple 10
494 maple 12
495 locust 12
496 maple 12
497 ash 12
498 ash 14
499 ash 15
500 ash 12
1139 wild cherry 10
1155 maple 20
PZ-2
1156 ash 18–16
1157 maple 18

Tag# – Type – Size

1158 maple 12
1158 maple 18
1159 maple 16
1160 maple 36
1161 maple 10
1162 maple 18
1163 maple 12
1164 maple 15
PZ-2
1165 ash 10
1166 maple 12–10
1167 elm 18
1168 maple 12
1169 maple 24
1170 maple 12
1171 maple 10
1172 maple 12
1173 maple 36
1174 maple 40
PZ-2
1175 maple 10
1176 maple 12
1177 locust 10
1178 maple 10
1179 maple 16
1180 oak 10
1181 oak 15
1182 maple 14
PZ-2
1183 beech 12
1184 beech 14
1185 ailanthus 16
1186 black birch 10
1187 oak 24
1188 maple 12
PZ-2
1189 tulip 24
1190 pine 14
1191 maple 10
1192 maple 10
1193 maple 15
1194 wild cherry 12
1195 wild cherry 18
1196 ash 18
1197 maple 10
1198 pine 16
1199 black birch 20
1200 black birch 12
1201 black birch 14
1202 black birch 20
1203 birch 10
1204 black birch 12
1205 black birch 20
1206 black birch 12
1207 oak 14
1208 black birch 12
1209 black birch 14
1210 beech 16
1211 beech 14
1212 black birch 15
1213 black birch 12
1214 black birch 20
1215 maple 12
1216 elm 10
1217 ash 16
1218 elm 12
1219 elm 12
1220 elm 12
1221 black birch 15
1222 maple 30
1223 ash 26
1224 maple 15
PZ-2
1225 maple 30
1226 elm 10
1227 oak 10
1228 maple 15
1229 hickory 10
1230 maple 10
1231 oak 18
1232 ash 18
1233 maple 15
1234 maple 16
1235 maple 20
1236 maple 12
1237 maple 12
1238 maple 18
1239 maple 12–10–8
1240 ash 14
1241 ash 18–14
1242 maple 12
1243 ash 12
1244 ash 20
1245 ash 14–14
1246 ash 14
1247 ash 18
1248 ash 12
1249 elm 12
1250 maple 18
1251 maple 12
1252 maple 12
1253 oak 30
1254 ash 18
1255 elm 12
1256 ash 16
1257 maple 12
1258 wild cherry 14–12
PZ-2
1259 wild cherry 16–14
1261 maple 30
1262 maple 30
1263 maple 15
1264 maple 18
1265 maple 12
1266 maple 20
1267 maple 15–12
PZ-2
1268 oak 12
1269 maple 36
1270 maple 15
1271 maple 18
1272 maple 30
1273 oak 30
1274 birch 24
1275 black birch 12
1276 black birch 14
1277 hickory 24
1278 pine 36
1279 hickory 16
1280 hickory 10
1281 birch 12
1282 birch 14
1283 black birch 12
1284 black birch 12
1285 black birch 10
1286 pine 30
1287 birch 14–12
1288 maple 30
1289 maple 14
1290 maple 12
1291 wild cherry 10
1292 wild cherry 12
1293 oak 30
1294 apple12
1295 wild cherry 12
1296 maple 12
1297 maple 12
1298 oak 24
1299 maple 10
1300 oak 15
1301 oak 24
1302 maple 14
1303 maple 14
1304 wild cherry 14
1305 oak 10
1306 wild cherry 10
1307 oak 10
1308 oak 10
1309 wild cherry 10
1310 wild cherry 14
1311 wild cherry 14
1312 wild cherry 14
1313 maple 15
1314 maple 10
1315 maple 16–14–12–8
1316 ailanthus 10
1317 wild cherry 16
1318 maple 12
1319 wild cherry 10
1320 oak 26
1321 maple 10
1322 maple 15
1323 wild cherry 18
1324 wild cherry 14
1325 elm 10
1326 wild cherry 20
1327 wild cherry 15
1328 maple 12
1329 wild cherry 12
1330 maple 12
1331 maple 20
1332 oak 42
1333 oak 10
1334 oak 14
1335 wild cherry 10
1336 wild cherry 14–16
1337 wild cherry 28
1338 oak 16
1340 wild cherry 12
1341 wild cherry 24
1342 wild cherry 14
1343 maple 10
1344 ash 12
1345 apple12
1346 maple 10
1347 wild cherry 10
1348 maple 10
1349 wild cherry 12
1350 wild cherry 14
1351 oak 30
1352 maple 12
1353 oak 20

Tag# – Type – Size

1354 wild cherry 10
1355 maple 16
1356 wild cherry 15
1357 maple 16
1358 wild cherry 16
1359 wild cherry 12
1360 wild cherry 10
1361 wild cherry 12
1362 wild cherry 12
1363 wild cherry 12
1364 birch 20
1365 wild cherry 14–14
1366 oak 24
1367 maple 15
1368 maple 14
1369 maple 16–14
1370 wild cherry 15
1371 pine 24
1372 pine 24
1373 pine 18
1374 pine 18
1375 pine 18
1376 pine 30
1377 pine 28
1378 maple 15–10–8
1379 ash 12
1380 maple 12
1381 maple 12
1382 maple 16
1383 maple 12
1384 ash 16
1385 locust 15
1386 locust 12
1387 ash 14
1388 ash 16
1389 maple 15
1390 ash 12
1391 ash 10
1392 ash 10
1393 ash 12
1394 wild cherry 10
1395 maple 14
1396 ash 12
1397 hickory 12
1398 locust 12
1399 maple 12
1400 locust 20
1401 oak 15
PZ-2
1402 wild cherry 10
1403 black birch 10
1404 wild cherry 12
1405 ash 10
1406 maple 16
1407 maple 24
1408 maple 10
1409 wild cherry 10
1410 wild cherry 14
1411 locust 14
1412 elm 12
1413 wild cherry 12
1414 locust 30
1415 locust 12
1416 locust 10–10
1417 locust 10–8
1418 locust 12
1419 locust 10
1420 wild cherry 10
1421 maple 18
1422 ash 12
1423 ash 16
1424 wild cherry 14
1425 maple 18
1426 maple 18
1427 maple 16
PZ-2
1428 wild cherry 14
1429 maple 18
1430 elm 16
1431 maple 15
1432 maple 15
1433 maple 15
1434 maple 12
1434 maple 12
1435 ash 12
1436 ash 10–10
1437 ash 20
1438 maple 12
1439 maple 12
1440 maple 20
1441 maple 18
1442 maple 2
1443 maple 10
1444 maple 16
1445 maple 12
1446 oak 16
1447 maple 28
1448 maple 14
1449 maple 22
1450 oak 14
1451 maple 10
1452 tulip 15
1453 maple 12
1454 maple 12
1455 oak 10
1456 ash 18
1457 oak 12
1458 ash 10
1459 maple 15
1460 maple 16
1461 maple 10
1462 oak 10
1463 oak 15
1464 oak 16
1465 maple 12
1466 maple 14
1467 maple 14
1468 ash 10
1469 maple 10
1470 oak 18
1471 oak 14
1472 maple 30
1473 maple 10
1474 maple 20
1475 maple 10
1476 maple 16
1477 ash 12
1478 black birch 12
1479 maple 18
1480 maple 14
1481 hickory 16
1482 hickory 16
1483 hickory 18
1484 oak 14
1485 oak 10
1486 birch 10
1487 birch 14
1488 birch 14
1489 birch 10
1490 birch 10
1491 ash 12
1492 ash 12
PZ-2
1493 birch 22
1494 maple 12
1495 maple 24
1496 maple 36
1497 maple 10
1498 birch 15
1499 birch 24
1500 birch 16
1501 elm 18
1502 sycamore 12
1503 maple 24
1504 maple 32
1505 birch 16
1506 maple 12
1507 maple 18
PZ-2
1508 maple 12
1509 maple 16
1510 maple 12
1511 maple 12
1512 maple 24
1513 maple 20
1514 maple 32
1515 maple 15
1516 maple 14
1517 maple 16
1518 maple 30
1519 maple 12
1520 maple 20
1521 maple 15
1522 maple 15
PZ-2
1523 maple 10
1524 maple 12
1525 maple 10
1526 ash 10
1527 maple 12
PZ-2
1528 ash 10
1529 ash 12
1530 birch 10
1531 maple 8
1532 maple 10
1533 locust 12
1535 birch 10
1536 maple 10
PZ-2
1537 locust 30
1538 locust 30
1539 locust 12
1540 maple 10
1541 birch 20
1542 wild cherry 16
1543 wild cherry 14
PZ-2
1544 maple 18–10–18
1545 locust 16–10–12
1546 maple 10

Tag# – Type – Size

PZ-2
1547 wild cherry 18
1548 oak 14
1549 maple 10–10–10
PZ-2
1550 maple 18
1551 maple 12
1552 maple 24
1553 maple 20–16
1554 locust 24
1555 maple 10
1556 maple 24
1557 maple 18
PZ-2
1559 tree 14
1560 tree 16
1561 locust 14
1562 locust 14
1563 locust 14
1564 maple 14
1566 locust 16
1567 maple 28
1568 locust 12
1569 locust 14
1570 locust 14
1571 locust 14
1572 locust 10
1573 locust 12
1574 locust 14–14
1575 locust 10
1576 locust 14–6
1577 locust 10
1578 maple 10
1579 locust 16
1580 locust 14
1581 locust 18
1582 maple 10–10
1583 locust 20
1584 locust 14
1585 locust 14
1586 maple 16
1587 maple 12
1588 maple 18
1589 maple 12
1590 locust 10
1591 locust 10
1592 locust 10
1593 locust 10–10
1594 locust 10
1595 locust 10
1596 locust 10–10
1597 locust 10–10
1597 maple 10
1598 maple 10
1599 locust 24
1600 cedar 14
1601 oak 22
1602 cherry 18
1603 cherry 10
1604 oak 20
1605 locust 18
1606 tulip 10
1607 tulip 10
1608 pine 18
1609 oak 12–10–10
1610 pine 12
1611 pine 48
1612 pine 38
1613 pine 58
1614 pine 52
1615 pine 48
1616 pine 46
1617 oak 22
1618 oak 20
1619 oak 10
1620 oak 20
1621 oak 12
1622 tulip 10
1623 tulip 14
1624 tulip 14
1625 tulip 16
1626 pine 26
1627 maple 16
1628 cherry 10
1629 cherry 10
1630 locust 12
1631 cherry 10
1632 birch 10
1633 black birch 26
1634 birch 24
1635 birch 26
1636 oak 16
1637 oak 24
1638 cherry 12
1639 maple 26
1640 tulip 28
1641 birch 18
1642 maple 26
1643 oak 10
1644 oak 30
1645 maple 30
1646 tulip 14
1647 maple 26
1648 maple 44
1649 maple 24–22
1650 maple 32
1651 cherry 10
1652 cherry 10
1743 tree 12
1744 tree 14
1745 maple 18
1747 maple 12
1748 maple 18
1749 maple 18–6–10
1750 maple 10
1751 maple 18
1752 maple 16
1753 black birch 16
1754 maple 12–6
1755 maple 10
1756 maple 10
1757 maple 16
1758 maple 14
1759 wild cherry 16
1760 maple 20
1761 maple 10
1762 maple 10
1763 maple 10
1764 maple 10
1765 maple 14–16
1766 maple 18
1767 maple 10
1768 maple 10
1769 maple 10–10–8
1770 maple 18
1771 maple 16
1772 maple 14–16
1773 maple 16
1774 sycamore 12
1775 maple 16
1777 maple 14–18
1778 maple 16
1779 maple 16–20
1780 maple 18
1781 maple 10
1782 maple 12
1783 maple 12
1784 maple 12
1785 maple 20
1786 maple 12–14
1787 maple 10
1788 maple 12–20
1789 maple 18–6
1790 maple 10–10
1791 maple 20
1792 locust 16
1793 maple 10
1794 maple 10
1795 maple 10–14
1796 locust 14
1797 locust 18
1798 maple 16
1799 maple 16
1800 locust 12
2001 maple 12
2002 maple 12
2003 maple 14
2004 locust 24–24
2005 locust 10
2006 locust 10
2007 maple 20–20
2009 maple 10
2010 maple 28
2011 maple 14
2012 wild cherry 12–16
2013 tulip 24
2014 black birch 16
2015 maple 14
2017 black birch 16
2018 maple 12
2019 locust 10
2020 locust 10
2021 locust 10
2022 locust 10
2023 locust 10
2024 black birch 18
2025 black birch 16
2026 birch 10
2027 maple 16
2028 maple 14
2029 maple 16–16
2031 maple 18
2032 maple 10
2033 locust 36
2034 maple 18–16–20
2035 oak 26
2036 birch 10

Tag# – Type – Size

2037 birch 12
2038 black birch 14
2039 black birch 14
2040 oak 34
2041 oak 36
2042 wild cherry 16
2044 oak 28
2045 pine 20
2046 pine 10–8–12
2047 pine 20
2048 pine 16
2049 pine 14–16
2050 pine 16–18
2051 pine 24
2052 pine 30
2053 birch 48
2054 japanese maple 18
2055 maple 32
2056 maple 24
2057 maple 22
2058 maple 12
2059 maple 24
2060 maple 12
2061 maple 26
2062 oak 50
2063 oak 52
2064 maple 10
2065 oak 24
2066 maple 10–12
2067 oak 56
2068 maple 14
2069 maple 14
2070 maple 26
2071 maple 28
2073 oak 28
2074 maple 26
2075 oak 28
2076 oak 28
2077 oak 36
2078 oak 24
2079 maple 20
2080 maple 28
2101 maple 10
2102 maple 10–8
2103 pine 16
2104 oak 12
2105 pine 22
2106 pine 22
2107 oak 24–20
2108 tulip 16
2109 birch 20
2110 maple 16
2111 oak 14
2113 black birch 14
2114 maple 16
2115 wild cherry 16
2116 black birch 18
2117 black birch 12–14
2118 oak 24
2119 oak 16
2120 oak 24
2121 white birch 20
2123 oak 28
2124 beech 26
2125 maple 18
2126 maple 20
2127 maple 10
2128 maple 14
2129 locust 10
2130 locust 14
2131 oak 12
2132 wild cherry 10
2133 tulip 16
2135 tulip 20
2136 black birch 16
2137 wild cherry 16
2138 maple 10–10
2139 maple 24
2140 maple 10
2141 maple 10
2142 maple 10
2143 locust 36
2144 maple 10
2145 black birch 10
2146 tulip 16
2147 black birch 10
2148 tulip 18
2149 black birch 14
2150 oak 12
2151 pine 26
2152 tulip 24–10
2153 tulip 16
2154 maple 26
2155 maple 30
2156 tulip 20
2157 locust 18
2158 tulip 26
2159 birch 12
2160 wild cherry 18
2161 wild cherry 26
2162 locust 20
2163 wild cherry 24
2164 oak 10
2165 tulip 24
2166 locust 34
2167 wild cherry 12
2168 locust 12
2169 wild cherry 18
2170 tulip 26–28
2171 oak 36
2172 tulip 16
2173 beech 24
2174 oak 24
2175 black birch 16
2176 oak 36
2177 beech 24
2178 beech 30
2179 black birch 16
2181 beech 12
2182 black birch 18
2185 beech 20
2186 maple 10
2187 beech 24
2188 tulip 34
2189 maple 16
2190 maple 10
2191 maple 32
2192 maple 34
2193 maple 34
2194 beech 18
2195 maple 10
2196 maple 18
2197 maple 18
2198 tulip 16
2199 maple 12–12–14
2200 maple 16
2260 pine 14
2261 pine 8–8–10
2262 pine 6–10–10
2263 pine 12
2264 pine 14
2265 pine 14
2266 pine 10–10
2267 pine 14
2268 pine 10
2269 pine 24
2270 maple 24
2271 maple 24
2272 maple 24
2273 maple 20
2274 pine 34
2275 pine 34
2276 pine 34
2277 maple 10–14
2278 maple 26
2279 maple 36
2280 maple 36
2281 maple 10
2282 pine 14
2283 pine 14
2284 pine 14
2286 pine 16
2286 black birch 14
2287 beech 28
2288 maple 22
2289 maple 22
2290 pine 14
2291 pine 10
2292 pine 10
2293 maple 10
2294 maple 26
2295 maple 12–12
2296 maple 28
2297 maple 28
2298 oak 30
2299 pine 24
2300 pine 14

Tag# – Type – Size

4191 maple 38
PZ-2
4192 locust 30
4602 black birch cluster
4603 tree cluster
PZ-2
4604 maple 26
4605 maple 26
PZ-2
4606 maple 40
4607 oak 28
4608 oak 28
4609 hickory 24
PZ-2
4610 maple cluster
4611 maple 28
PZ-2
4612 tree 26
4613 maple 24
4614 oak 30
4615 oak 30
4616 oak 28
4617 tulip 32
PZ-2
4618 oak 30
4619 tulip 28
4620 oak 34
4621 tree 26
4622 japanese maple 16
4623 oak 28
4624 oak 24
4625 maple 18–18
4626 sycamore cluster
4627 japanese maple 12
4628 black birch cluster
4629 japanese maple cluster
4630 tree 12
PZ-2
4631 sycamore 40
4632 sycamore 40
PZ-2
4633 maple 44
4634 maple 30
4636 maple 36
4637 tulip 28
PZ-2
4638 maple 28
4639 oak 36
PZ-2
4640 oak 32
4641 maple 28
4642 tulip 38–30
4643 maple 28
4644 locust 12
PZ-2
4698 maple 36

TREES REMAINING IN PHASE 1

NOTE
- RECTANGLES DENOTE TREES TO REMAIN
- ADDITIONAL TREES REMAIN AS LABELED DIRECTLY ON THE PLAN

Tree List

Tag# – Type – Size

105 oak 34
214 oak 33
222 oak 18–18
280 oak cluster
311 locust 36
312 locust 30
313 maple 10
PZ-2
314 hickory 14
315 maple 8
316 maple 12
317 elm 12
318 locust 30
319 maple 10
320 oak 14
321 wild cherry 12
322 wild cherry 8
323 hickory 12
324 maple 8
325 maple 12
326 maple 8
327 ash 10
328 pine 24
329 hickory 14
331 maple 10
TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)
332 elm 10
333 elm 12
334 ash 14
335 tulip 20–18
336 elm 14
337 ash 18
337 maple 12
338 hickory 12
338 maple 16
PZ-2
339 hickory 8
340 maple 12
341 maple 10
342 elm 10
343 hickory 16
344 hickory 10
345 elm 10
346 hickory 8
347 ash 12
348 elm 12
349 tulip 24–20–18
350 elm 8
351 hickory 4–10
352 wild cherry 20
353 maple 14
354 elm 12
355 tulip 16
356 tulip 18
357 maple 14
358 maple 10
359 maple 12
360 pine 26
361 pine 36
362 pine 14
363 pine 36
364 maple 16
365 pine 14
366 pine 24
369 locust 30–18
370 maple 10
371 maple 14
372 elm 14
373 maple 24
374 maple 10
375 maple 20
376 tulip 30
377 maple 16
378 elm 14
379 pine 30
380 pine 18–18
381 pine 30
382 maple 12
383 maple 16
384 locust 30
385 locust 36
386 locust 36
387 locust 16
388 maple 20
PZ-2
389 maple 12
390 locust 36
391 maple 24
392 locust 36
393 maple 14
394 maple 30
395 maple 10
396 maple 20–16
397 maple 18
398 maple 10
399 beech 18
400 maple 10
401 maple 10
402 maple 14
403 hickory 14
404 locust 10
405 oak 12
406 oak 12
407 maple 12
408 maple 12
409 maple 12
410 maple 12
411 maple 12
412 maple 12
413 oak 12
414 maple 24
415 maple 10
416 maple 14
417 maple 10
418 maple 12
419 maple 30
420 maple 12
421 maple 12
423 locust 36
424 oak 16
425 ailanthus 14
426 maple 14
427 locust 15
428 oak 14
429 elm 14
430 locust 30
431 oak 10
432 maple 12
433 maple 12
434 maple 18
TREES TO REMAIN TYPICAL (FRAMED WITH RECTANGLE)
435 maple 36
436 wild cherry 16
437 maple 12
438 maple 20
439 wild cherry 20
440 maple 10
441 maple 24
442 maple 16
443 wild cherry 16
444 maple 12
445 maple 18
446 maple 10
447 maple 40
PZ-2
448 oak 15
449 maple 10
450 maple 12
451 maple 10
452 maple 10
453 maple 12
454 tulip 36–24
455 maple 10
456 maple 10
457 maple 30
458 maple 10
459 wild cherry 16
460 elm 12
461 maple 14
462 wild cherry 20
463 wild cherry 30
464 maple 15
465 maple 12
466 locust 48
467 maple 14
468 tulip 36
469 tulip 18
470 maple 10
471 maple 18
472 maple 15
PZ-2
473 wild cherry 24
474 maple 24
475 maple 36
476 locust 16
PZ-2
477 maple 10
478 maple 40
479 maple 14
480 locust 12
481 maple 12
482 maple 20
483 maple 20
484 maple 14
485 ash 24
486 ash 14
487 maple 12
488 maple 14
489 maple 14
490 maple 10
491 maple 12
492 maple 15
493 maple 10
494 maple 12
495 locust 12
496 maple 12
497 ash 12
498 ash 14
499 ash 15
500 ash 12
1139 wild cherry 10
1155 maple 20
PZ-2
1156 ash 18–16
1157 maple 18

Tag# – Type – Size

1158 maple 12
1158 maple 18
1159 maple 16
1160 maple 36
1161 maple 10
1162 maple 18
1163 maple 12
1164 maple 15
PZ-2
1165 ash 10
1166 maple 12–10
1167 elm 18
1168 maple 12
1169 maple 24
1170 maple 12
1171 maple 10
1172 maple 12
1173 maple 36
1174 maple 40
PZ-2
1175 maple 10
1176 maple 12
1177 locust 10
1178 maple 10
1179 maple 16
1180 oak 10
1181 oak 15
1182 maple 14
PZ-2
1183 beech 12
1184 beech 14
1185 ailanthus 16
1186 black birch 10
1187 oak 24
1188 maple 12
PZ-2
1189 tulip 24
1190 pine 14
1191 maple 10
1192 maple 10
1193 maple 15
1194 wild cherry 12
1195 wild cherry 18
1196 ash 18
1197 maple 10
1198 pine 16
1199 black birch 20
1200 black birch 12
1201 black birch 14
1202 black birch 20
1203 birch 10
1204 black birch 12
1205 black birch 20
1206 black birch 12
1207 oak 14
1208 black birch 12
1209 black birch 14
1210 beech 16
1211 beech 14
1212 black birch 15
1213 black birch 12
1214 black birch 20
1215 maple 12
1216 elm 10
1217 ash 16
1218 elm 12
1219 elm 12
1220 elm 12
1221 black birch 15
1222 maple 30
1223 ash 26
1224 maple 15
PZ-2
1225 maple 30
1226 elm 10
1227 oak 10
1228 maple 15
1229 hickory 10
1230 maple 10
1231 oak 18
1232 ash 18
1233 maple 15
1234 maple 16
1235 maple 20
1236 maple 12
1237 maple 12
1238 maple 18
1239 maple 12–10–8
1240 ash 14
1241 ash 18–14
1242 maple 12
1243 ash 12
1244 ash 20
1245 ash 14–14
1246 ash 14
1247 ash 18
1248 ash 12
1249 elm 12
1250 maple 18
1251 maple 12
1252 maple 12
1253 oak 30
1254 ash 18
1255 elm 12
1256 ash 16
1257 maple 12
1258 wild cherry 14–12
PZ-2
1259 wild cherry 16–14
1261 maple 30
1262 maple 30
1263 maple 15
1264 maple 18
1265 maple 12
1266 maple 20
1267 maple 15–12
PZ-2
1268 oak 12
1269 maple 36
1270 maple 15
1271 maple 18
1272 maple 30
1273 oak 30
1274 birch 24
1275 black birch 12
1276 black birch 14
1277 hickory 24
1278 pine 36
1279 hickory 16
1280 hickory 10
1281 birch 12
1282 birch 14
1283 black birch 12
1284 black birch 12
1285 black birch 10
1286 pine 30
1287 birch 14–12
1288 maple 30
1289 maple 14
1290 maple 12
1291 wild cherry 10
1292 wild cherry 12
1293 oak 30
1294 apple12
1295 wild cherry 12
1296 maple 12
1297 maple 12
1298 oak 24
1299 maple 10
1300 oak 15
1301 oak 24
1302 maple 14
1303 maple 14
1304 wild cherry 14
1305 oak 10
1306 wild cherry 10
1307 oak 10
1308 oak 10
1309 wild cherry 10
1310 wild cherry 14
1311 wild cherry 14
1312 wild cherry 14
1313 maple 15
1314 maple 10
1315 maple 16–14–12–8
1316 ailanthus 10
1317 wild cherry 16
1318 maple 12
1319 wild cherry 10
1320 oak 26
1321 maple 10
1322 maple 15
1323 wild cherry 18
1324 wild cherry 14
1325 elm 10
1326 wild cherry 20
1327 wild cherry 15
1328 maple 12
1329 wild cherry 12
1330 maple 12
1331 maple 20
1332 oak 42
1333 oak 10
1334 oak 14
1335 wild cherry 10
1336 wild cherry 14–16
1337 wild cherry 28
1338 oak 16
1340 wild cherry 12
1341 wild cherry 24
1342 wild cherry 14
1343 maple 10
1344 ash 12
1345 apple12
1346 maple 10
1347 wild cherry 10
1348 maple 10
1349 wild cherry 12
1350 wild cherry 14
1351 oak 30
1352 maple 12
1353 oak 20

Tag# – Type – Size

1354 wild cherry 10
1355 maple 16
1356 wild cherry 15
1357 maple 16
1358 wild cherry 16
1359 wild cherry 12
1360 wild cherry 10
1361 wild cherry 12
1362 wild cherry 12
1363 wild cherry 12
1364 birch 20
1365 wild cherry 14–14
1366 oak 24
1367 maple 15
1368 maple 14
1369 maple 16–14
1370 wild cherry 15
1371 pine 24
1372 pine 24
1373 pine 18
1374 pine 18
1375 pine 18
1376 pine 30
1377 pine 28
1378 maple 15–10–8
1379 ash 12
1380 maple 12
1381 maple 12
1382 maple 16
1383 maple 12
1384 ash 16
1385 locust 15
1386 locust 12
1387 ash 14
1388 ash 16
1389 maple 15
1390 ash 12
1391 ash 10
1392 ash 10
1393 ash 12
1394 wild cherry 10
1395 maple 14
1396 ash 12
1397 hickory 12
1398 locust 12
1399 maple 12
1400 locust 20
1401 oak 15
PZ-2
1402 wild cherry 10
1403 black birch 10
1404 wild cherry 12
1405 ash 10
1406 maple 16
1407 maple 24
1408 maple 10
1409 wild cherry 10
1410 wild cherry 14
1411 locust 14
1412 elm 12
1413 wild cherry 12
1414 locust 30
1415 locust 12
1416 locust 10–10
1417 locust 10–8
1418 locust 12
1419 locust 10
1420 wild cherry 10
1421 maple 18
1422 ash 12
1423 ash 16
1424 wild cherry 14
1425 maple 18
1426 maple 18
1427 maple 16
PZ-2
1428 wild cherry 14
1429 maple 18
1430 elm 16
1431 maple 15
1432 maple 15
1433 maple 15
1434 maple 12
1434 maple 12
1435 ash 12
1436 ash 10–10
1437 ash 20
1438 maple 12
1439 maple 12
1440 maple 20
1441 maple 18
1442 maple 2
1443 maple 10
1444 maple 16
1445 maple 12
1446 oak 16
1447 maple 28
1448 maple 14
1449 maple 22
1450 oak 14
1451 maple 10
1452 tulip 15
1453 maple 12
1454 maple 12
1455 oak 10
1456 ash 18
1457 oak 12
1458 ash 10
1459 maple 15
1460 maple 16
1461 maple 10
1462 oak 10
1463 oak 15
1464 oak 16
1465 maple 12
1466 maple 14
1467 maple 14
1468 ash 10
1469 maple 10
1470 oak 18
1471 oak 14
1472 maple 30
1473 maple 10
1474 maple 20
1475 maple 10
1476 maple 16
1477 ash 12
1478 black birch 12
1479 maple 18
1480 maple 14
1481 hickory 16
1482 hickory 16
1483 hickory 18
1484 oak 14
1485 oak 10
1486 birch 10
1487 birch 14
1488 birch 14
1489 birch 10
1490 birch 10
1491 ash 12
1492 ash 12
PZ-2
1493 birch 22
1494 maple 12
1495 maple 24
1496 maple 36
1497 maple 10
1498 birch 15
1499 birch 24
1500 birch 16
1501 elm 18
1502 sycamore 12
1503 maple 24
1504 maple 32
1505 birch 16
1506 maple 12
1507 maple 18
PZ-2
1508 maple 12
1509 maple 16
1510 maple 12
1511 maple 12
1512 maple 24
1513 maple 20
1514 maple 32
1515 maple 15
1516 maple 14
1517 maple 16
1518 maple 30
1519 maple 12
1520 maple 20
1521 maple 15
1522 maple 15
PZ-2
1523 maple 10
1524 maple 12
1525 maple 10
1526 ash 10
1527 maple 12
PZ-2
1528 ash 10
1529 ash 12
1530 birch 10
1531 maple 8
1532 maple 10
1533 locust 12
1535 birch 10
1536 maple 10
PZ-2
1537 locust 30
1538 locust 30
1539 locust 12
1540 maple 10
1541 birch 20
1542 wild cherry 16
1543 wild cherry 14
PZ-2
1544 maple 18–10–18
1545 locust 16–10–12
1546 maple 10

Tag# – Type – Size

PZ-2
1547 wild cherry 18
1548 oak 14
1549 maple 10–10–10
PZ-2
1550 maple 18
1551 maple 12
1552 maple 24
1553 maple 20–16
1554 locust 24
1555 maple 10
1556 maple 24
1557 maple 18
PZ-2
1559 tree 14
1560 tree 16
1561 locust 14
1562 locust 14
1563 locust 14
1564 maple 14
1566 locust 16
1567 maple 28
1568 locust 12
1569 locust 14
1570 locust 14
1571 locust 14
1572 locust 10
1573 locust 12
1574 locust 14–14
1575 locust 10
1576 locust 14–6
1577 locust 10
1578 maple 10
1579 locust 16
1580 locust 14
1581 locust 18
1582 maple 10–10
1583 locust 20
1584 locust 14
1585 locust 14
1586 maple 16
1587 maple 12
1588 maple 18
1589 maple 12
1590 locust 10
1591 locust 10
1592 locust 10
1593 locust 10–10
1594 locust 10
1595 locust 10
1596 locust 10–10
1597 locust 10–10
1597 maple 10
1598 maple 10
1599 locust 24
1600 cedar 14
1601 oak 22
1602 cherry 18
1603 cherry 10
1604 oak 20
1605 locust 18
1606 tulip 10
1607 tulip 10
1608 pine 18
1609 oak 12–10–10
1610 pine 12
1611 pine 48
1612 pine 38
1613 pine 58
1614 pine 52
1615 pine 48
1616 pine 46
1617 oak 22
1618 oak 20
1619 oak 10
1620 oak 20
1621 oak 12
1622 tulip 10
1623 tulip 14
1624 tulip 14
1625 tulip 16
1626 pine 26
1627 maple 16
1628 cherry 10
1629 cherry 10
1630 locust 12
1631 cherry 10
1632 birch 10
1633 black birch 26
1634 birch 24
1635 birch 26
1636 oak 16
1637 oak 24
1638 cherry 12
1639 maple 26
1640 tulip 28
1641 birch 18
1642 maple 26
1643 oak 10
1644 oak 30
1645 maple 30
1646 tulip 14
1647 maple 26
1648 maple 44
1649 maple 24–22
1650 maple 32
1651 cherry 10
1652 cherry 10
1743 tree 12
1744 tree 14
1745 maple 18
1747 maple 12
1748 maple 18
1749 maple 18–6–10
1750 maple 10
1751 maple 18
1752 maple 16
1753 black birch 16
1754 maple 12–6
1755 maple 10
1756 maple 10
1757 maple 16
1758 maple 14
1759 wild cherry 16
1760 maple 20
1761 maple 10
1762 maple 10
1763 maple 10
1764 maple 10
1765 maple 14–16
1766 maple 18
1767 maple 10
1768 maple 10
1769 maple 10–10–8
1770 maple 18
1771 maple 16
1772 maple 14–16
1773 maple 16
1774 sycamore 12
1775 maple 16
1777 maple 14–18
1778 maple 16
1779 maple 16–20
1780 maple 18
1781 maple 10
1782 maple 12
1783 maple 12
1784 maple 12
1785 maple 20
1786 maple 12–14
1787 maple 10
1788 maple 12–20
1789 maple 18–6
1790 maple 10–10
1791 maple 20
1792 locust 16
1793 maple 10
1794 maple 10
1795 maple 10–14
1796 locust 14
1797 locust 18
1798 maple 16
1799 maple 16
1800 locust 12
2001 maple 12
2002 maple 12
2003 maple 14
2004 locust 24–24
2005 locust 10
2006 locust 10
2007 maple 20–20
2009 maple 10
2010 maple 28
2011 maple 14
2012 wild cherry 12–16
2013 tulip 24
2014 black birch 16
2015 maple 14
2017 black birch 16
2018 maple 12
2019 locust 10
2020 locust 10
2021 locust 10
2022 locust 10
2023 locust 10
2024 black birch 18
2025 black birch 16
2026 birch 10
2027 maple 16
2028 maple 14
2029 maple 16–16
2031 maple 18
2032 maple 10
2033 locust 36
2034 maple 18–16–20
2035 oak 26
2036 birch 10

Tag# – Type – Size

2037 birch 12
2038 black birch 14
2039 black birch 14
2040 oak 34
2041 oak 36
2042 wild cherry 16
2044 oak 28
2045 pine 20
2046 pine 10–8–12
2047 pine 20
2048 pine 16
2049 pine 14–16
2050 pine 16–18
2051 pine 24
2052 pine 30
2053 birch 48
2054 japanese maple 18
2055 maple 32
2056 maple 24
2057 maple 22
2058 maple 12
2059 maple 24
2060 maple 12
2061 maple 26
2062 oak 50
2063 oak 52
2064 maple 10
2065 oak 24
2066 maple 10–12
2067 oak 56
2068 maple 14
2069 maple 14
2070 maple 26
2071 maple 28
2073 oak 28
2074 maple 26
2075 oak 28
2076 oak 28
2077 oak 36
2078 oak 24
2079 maple 20
2080 maple 28
2101 maple 10
2102 maple 10–8
2103 pine 16
2104 oak 12
2105 pine 22
2106 pine 22
2107 oak 24–20
2108 tulip 16
2109 birch 20
2110 maple 16
2111 oak 14
2113 black birch 14
2114 maple 16
2115 wild cherry 16
2116 black birch 18
2117 black birch 12–14
2118 oak 24
2119 oak 16
2120 oak 24
2121 white birch 20
2123 oak 28
2124 beech 26
2125 maple 18
2126 maple 20
2127 maple 10
2128 maple 14
2129 locust 10
2130 locust 14
2131 oak 12
2132 wild cherry 10
2133 tulip 16
2135 tulip 20
2136 black birch 16
2137 wild cherry 16
2138 maple 10–10
2139 maple 24
2140 maple 10
2141 maple 10
2142 maple 10
2143 locust 36
2144 maple 10
2145 black birch 10
2146 tulip 16
2147 black birch 10
2148 tulip 18
2149 black birch 14
2150 oak 12
2151 pine 26
2152 tulip 24–10
2153 tulip 16
2154 maple 26
2155 maple 30
2156 tulip 20
2157 locust 18
2158 tulip 26
2159 birch 12
2160 wild cherry 18
2161 wild cherry 26
2162 locust 20
2163 wild cherry 24
2164 oak 10
2165 tulip 24
2166 locust 34
2167 wild cherry 12
2168 locust 12
2169 wild cherry 18
2170 tulip 26–28
2171 oak 36
2172 tulip 16
2173 beech 24
2174 oak 24
2175 black birch 16
2176 oak 36
2177 beech 24
2178 beech 30
2179 black birch 16
2181 beech 12
2182 black birch 18
2185 beech 20
2186 maple 10
2187 beech 24
2188 tulip 34
2189 maple 16
2190 maple 10
2191 maple 32
2192 maple 34
2193 maple 34
2194 beech 18
2195 maple 10
2196 maple 18
2197 maple 18
2198 tulip 16
2199 maple 12–12–14
2200 maple 16
2260 pine 14
2261 pine 8–8–10
2262 pine 6–10–10
2263 pine 12
2264 pine 14
2265 pine 14
2266 pine 10–10
2267 pine 14
2268 pine 10
2269 pine 24
2270 maple 24
2271 maple 24
2272 maple 24
2273 maple 20
2274 pine 34
2275 pine 34
2276 pine 34
2277 maple 10–14
2278 maple 26
2279 maple 36
2280 maple 36
2281 maple 10
2282 pine 14
2283 pine 14
2284 pine 14
2286 pine 16
2286 black birch 14
2287 beech 28
2288 maple 22
2289 maple 22
2290 pine 14
2291 pine 10
2292 pine 10
2293 maple 10
2294 maple 26
2295 maple 12–12
2296 maple 28
2297 maple 28
2298 oak 30
2299 pine 24
2300 pine 14

Tag# – Type – Size

4191 maple 38
PZ-2
4192 locust 30
4602 black birch cluster
4603 tree cluster
PZ-2
4604 maple 26
4605 maple 26
PZ-2
4606 maple 40
4607 oak 28
4608 oak 28
4609 hickory 24
PZ-2
4610 maple cluster
4611 maple 28
PZ-2
4612 tree 26
4613 maple 24
4614 oak 30
4615 oak 30
4616 oak 28
4617 tulip 32
PZ-2
4618 oak 30
4619 tulip 28
4620 oak 34
4621 tree 26
4622 japanese maple 16
4623 oak 28
4624 oak 24
4625 maple 18–18
4626 sycamore cluster
4627 japanese maple 12
4628 black birch cluster
4629 japanese maple cluster
4630 tree 12
PZ-2
4631 sycamore 40
4632 sycamore 40
PZ-2
4633 maple 44
4634 maple 30
4636 maple 36
4637 tulip 28
PZ-2
4638 maple 28
4639 oak 36
PZ-2
4640 oak 32
4641 maple 28
4642 tulip 38–30
4643 maple 28
4644 locust 12
PZ-2
4698 maple 36

TREES REMAINING IN PHASE 2

NOTE
- RECTANGLES DENOTE TREES TO REMAIN
- ADDITIONAL TREES REMAIN AS LABELED DIRECTLY ON THE PLAN

DATE:

NO. | Revisions or Type of Drawing Submittal

1 2 3 4 5 6 7 8 9 10

Seal:

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

TREE LEGEND CALCULATION WORKSHEET

Project:

THE NORTH 60

HOSPITAL RD & ROUTE 9A MOUNT PLEASANT, NEW YORK

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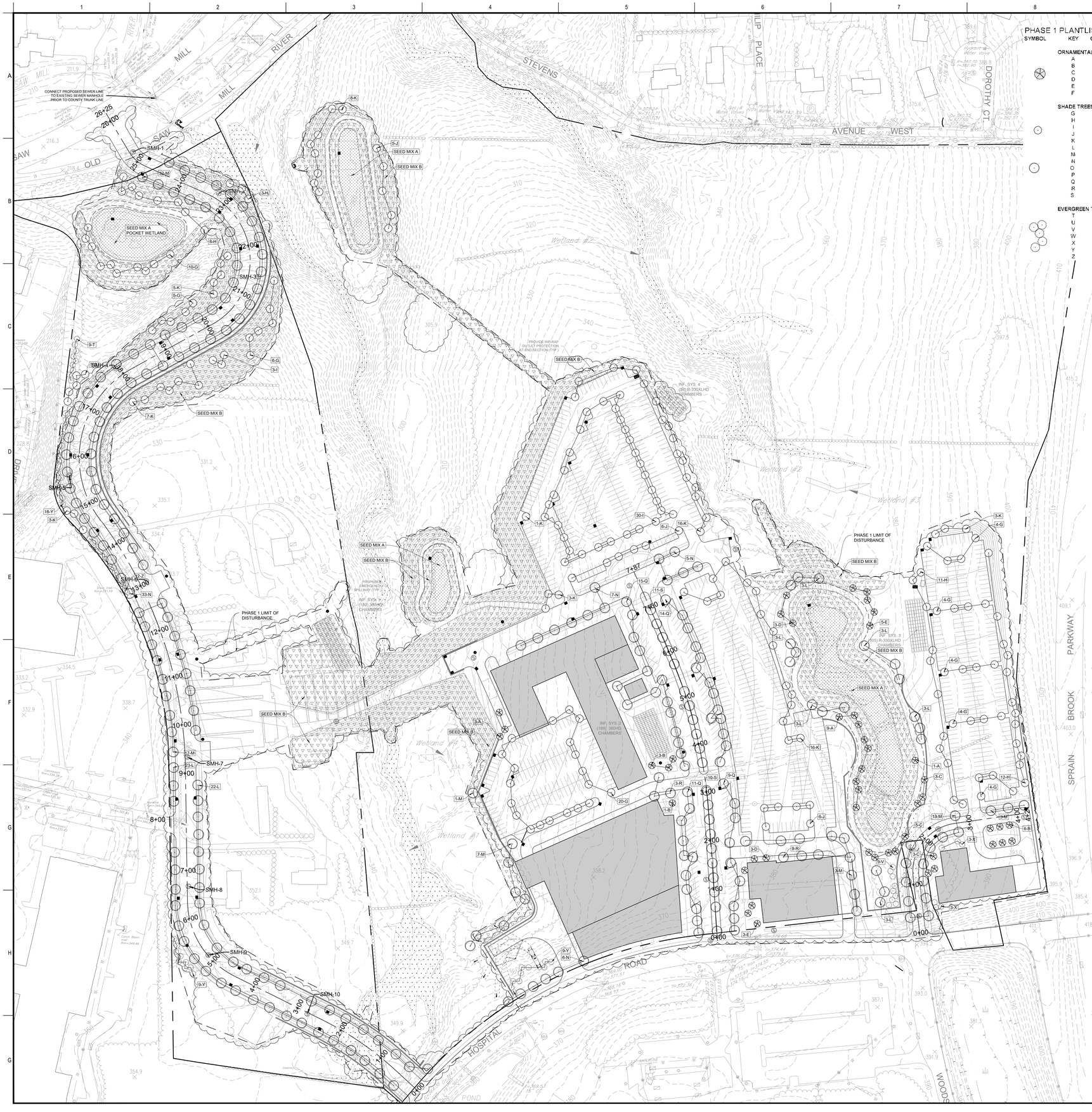
Drawn By: DPP
Scale: NO SCALE
North:

Sheet:

SK - 3



PHASE 1 PLANTLIST

SYMBOL	KEY	QUAN	*BOTANICAL NAME*	COMMON NAME	SIZE	NOTES
			ORNAMENTAL TREES			
	A	13	*Amelanchier canadensis*	Canadian Serviceberry	3.5-4" min.	B&B
	B	10	*Prunus serrulata 'Kwanzan'*	Kwanzan Cherry	3.5-4" min.	B&B
	C	11	*Betula nigra 'Heritage'*	Heritage River Birch	3.5-4" min.	B&B
	D	6	*Cercis canadensis*	Redbud	3.5-4" min.	B&B
	E	8	*Cornus kousa*	Kousa Dogwood	3.5-4" min.	B&B
	F		*Magnolia virginiana*	Sweet Bay Magnolia	3.5-4" min.	B&B
			SHADE TREES			
	G	66	*Acer rubrum 'October Glory'*	Red Maple	2.5-3" cal.	
	H	34	*Liquidambar styraciflua*	Sweetgum	2.5-3" cal.	B&B
	I	33	*Nyssa sylvatica*	Black Gum / Tupelo	2.5-3" cal.	B&B
	J	17	*Oxydendrum arboreaum*	Sourwood	2.5-3" cal.	B&B
	K	62	*Quercus bicolor*	Swamp White Oak	2.5-3" cal.	B&B
	L	63	*Acer rubrum 'Red Sunset'*	Red Maple	4.5-5" cal.	B&B
	M	76	*Quercus palustris*	Pin Oak	4.5-5" cal.	B&B
	N	51	*Tilia americana 'Redmond'*	American Linden	4.5-5" cal.	B&B
	O	0	*Acer saccharum 'Green Mountain*	Sugar Maple	4.5-5" cal.	B&B
	P	0	*Quercus rubra*	Red Oak	5-6" cal.	B&B
	Q	49	*Celtus occidentalis*	Hackberry	5-6" cal.	
	R	12	*Gleditsia tracanthos 'Shademaster'*	Shademaster Thornless Honeylocust	5-6" cal.	B&B
	S	21	*Zelcova serrata 'Green Vase'*	Green Vase Zelcova	5-6" cal.	B&B
						B&B
			EVERGREEN TREES			
	T	9	*Picea abies*	Norway Spruce	10' min.	B&B
	U		*Ilex opaca*	American Holly	8' min.	B&B
	V	9	*Abies balsamea 'Phanerolepis'*	Canaan Fir	10' min.	B&B
	W		*Abies concolor*	White Fir	10' min.	B&B
	X	6	*Pinus strobus 'Fastigiata'*	Upright White Pine	10' min.	B&B
	Y	36	*Picea glauca*	White Spruce	10' min.	B&B
	Z	12	*Thuja plicata 'Green Giant'*	Green Giant Arbontae	10' min.	B&B

SEED MIX A

* NEW ENGLAND WETMIX - Supplied by New England Wetland Plants, Inc, 820 West St. Amherst, MA, 01002. Phone (413)548-8000. APPLICATION RATE: 1 lb./2500 sq. ft.18 lbs./acre. Seedmix includes: Fox Sedge, Lurid Sedge, Blunt Broom Sedge , Blue Vervain, Fowl Bluegrass, Hop Sedge, Green Bulrush, Creeping Spike Rush, Fringed Sedge, Soft Rush, Spotted Joe Pye Weed, Rattlesnake Grass, Swamp aster, Blueflag, Swamp Milkweed, Square stemmed Monkey Flower.

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SEED MIX B

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TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 1 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	145	87
12"	0.8	163	130.4
14"	1.1	95	104.5
16"	1.4	65	91
18"	1.8	48	86.4
20"	2.2	32	70.4
22"	2.6	9	23.4
24"	3.1	39	120.9
26"	3.7	14	51.8
28"	4.3	18	77.4
30"	4.9	29	142.1
32"	5.5	9	49.5
36"	7	21	147
38"	7.5	2	15
40"	8	13	104
			1300.8

REQUIRED REPLACEMENT DENSITY (RDF)

RDF = DFS - EDF

RDF = 1183.76 - 1300.8 = -117.04

RDF MET - NO REPLACEMENT NECESSARY

REQUIRED REPLACEMENT DENSITY (RDF) PROVIDED

Phase 1

# TREES	CALIPER INCHES	DENSITY FACTOR	VALUE	
72	1-2"	0.4	28.8	EVERGREENS
212	2-3"	0.5	106	SMALL CALIPER SHADE
48	3-4"	0.6	28.8	ORNAMENTALS
190	4-5"	0.7	133	SHADE TREES
82	5-6"	1	82	STREET TREES
			378.6	

REQUIRED DENSITY FACTOR FOR THE SITE (DFS) PROVIDED

EDF + RDF = 1300.8 + 378.6= 1679.4

1679.4 > 1183.76, therefore DENSITY SATISFIED

SCALE 1" = 80'

0 80' 160' 240'

NO.	Revisions or Type of Drawing Submittal	DATE:

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PHASE 1

OVERALL SITE PLANTING PLAN

Project:

THE NORTH 60

HOSPITAL RD & ROUTE9A MOUNT PLEASANT, NY

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STUDER DESIGN ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
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(203) 894-1429 Fax

Date:	JANUARY 7, 2020
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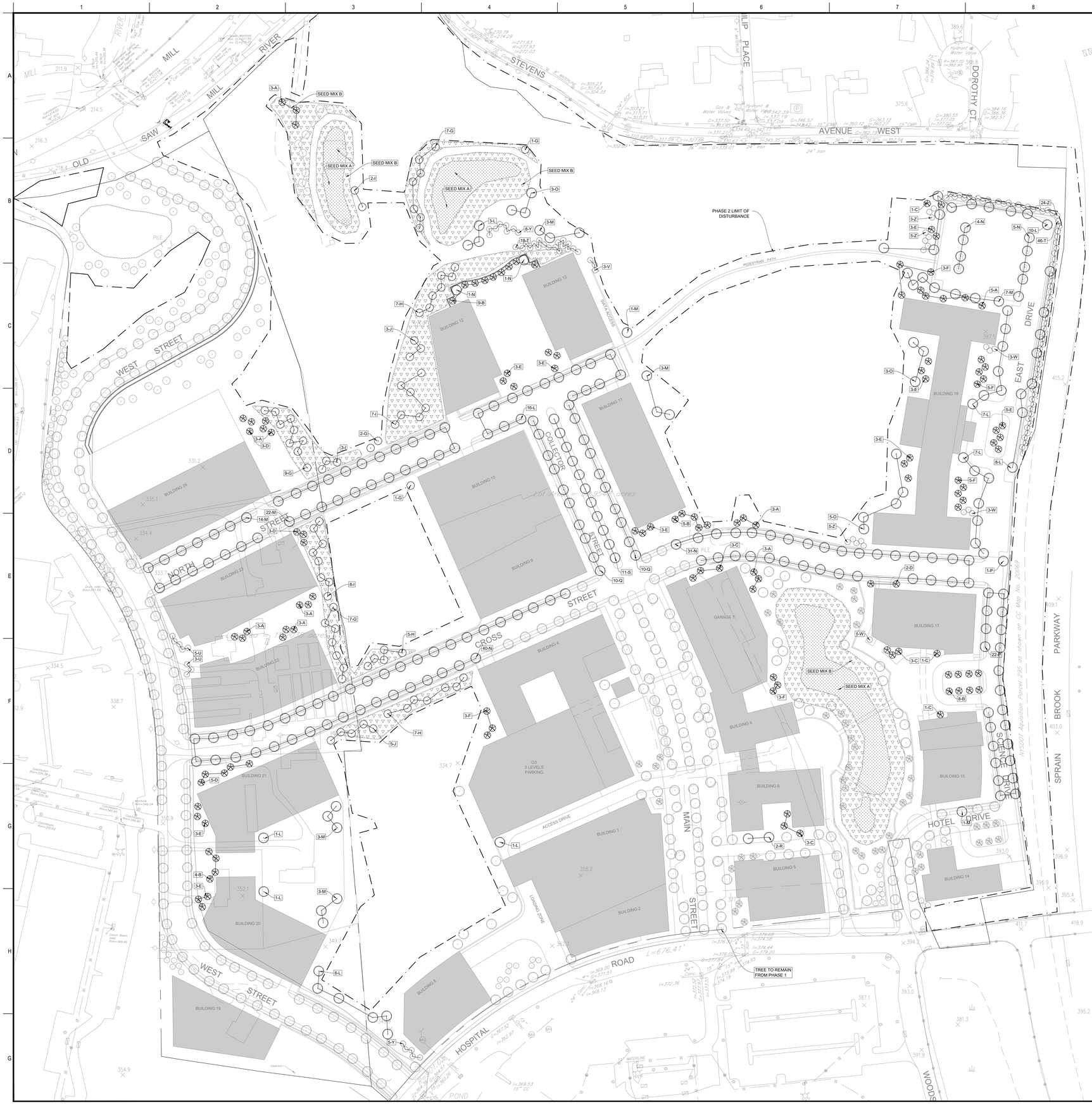

PHASE 2 PLANTLIST

SYMBOL	KEY	QUAN	*BOTANICAL NAME*	COMMON NAME	SIZE	NOTES
			ORNAMENTAL TREES			
	A	25	*Amelanchier canadensis*	Canadian Serviceberry	3.5-4" min.	B&B
	B	26	*Prunus serrulata 'Kwanzan'*	Kwanzan Cherry	3.5-4" min.	B&B
	C	12	*Betula nigra 'Heritage'*	Heritage River Birch	3.5-4" min.	B&B
	D	13	*Cercis canadensis*	Redbud	3.5-4" min.	B&B
	E	29	*Cornus kousa*	Kousa Dogwood	3.5-4" min.	B&B
	F	19	*Magnolia virginiana*	Sweet Bay Magnolia	3.5-4" min.	B&B
			SHADE TREES			
	G	27	*Acer rubrum 'October Glory'*	Red Maple	2.5-3" cal.	
	H	19	*Liquidambar styraciflua*	Sweetgum	2.5-3" cal.	B&B
	I	20	*Nyssa sylvatica*	Black Gum / Tupelo	2.5-3" cal.	B&B
	J	8	*Oxydendrum arboreaum*	Sourwood	2.5-3" cal.	B&B
	K	0	*Quercus bicolor*	Swamp White Oak	2.5-3" cal.	B&B
	L	60	*Acer rubrum 'Red Sunset'*	Red Maple	4.5-5" cal.	B&B
	M	57	*Quercus palustris*	Pin Oak	4.5-5" cal.	B&B
	N	82	*Tilia americana 'Redmond'*	American Linden	4.5-5" cal.	B&B
	O	11	*Acer saccharum 'Green Mountain*	Sugar Maple	4.5-5" cal.	B&B
	P	23	*Quercus rubra*	Red Oak	5-6" cal.	B&B
	Q	20	*Celtus occidentalis*	Hackberry	5-6" cal.	B&B
	R	2	*Gleditsia triacanthos 'Shademaster'*	Shademaster Thornless Honeylocust	5-6" cal.	B&B
	S	11	*Zelcova serrata 'Green Vase'*	Green Vase Zelcova	5-6" cal.	B&B
						B&B
			EVERGREEN TREES			
	T	64	*Picea abies*	Norway Spruce	10' min.	B&B
	U	8	*Ilex opaca*	American Holly	8' min.	B&B
	V	3	*Abies balsamea 'Phaneroleps'*	Canaan Fir	10' min.	B&B
	W	7	*Abies concolor*	White Fir	10' min.	B&B
	X		*Pinus strobus 'Fastigiata'*	Upright White Pine	10' min.	B&B
	Y	13	*Picea glauca*	White Spruce	10' min.	B&B
	Z	37	*Thuja plicata 'Green Giant'*	Green Giant Arborvitae	10' min.	B&B

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TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 2 trees to remain			
caliper	density factor	# of trees	tree x DF
10"	0.6	65	39
12"	0.8	80	64
14"	1.1	45	49.5
16"	1.4	30	42
18"	1.8	23	41.4
20"	2.2	15	33
22"	2.6	3	7.8
24"	3.1	13	40.3
26"	3.7	3	11.1
28"	4.3	4	17.2
30"	4.9	17	83.3
32"	5.5	3	16.5
36"	7	10	70
38"	7.5	1	7.5
40"	8	6	48
			570.6

REQUIRED REPLACEMENT DENSITY (RDF)

RDF = DFS - EDF

RDF = 1183.76 - 570.6 = 613.16

REQUIRED REPLACEMENT DENSITY (RDF) PROVIDED

FIGURES INCLUDE PHASE 1 PLANTINGS TO REMAIN

Phase 2 # TREES	CALIPER INCHES	DENSITY FACTOR	VALUE	
204	1-2"	0.4	81.6	EVERGREENS
137	2-3"	0.5	68.5	SMALL CALIPER SHADE
170	3-4"	0.6	102	ORNAMENTALS
400	4-5"	0.7	280	SHADE TREES
138	5-6"	1	138	STREET TREES
			670.1	

REQUIRED DENSITY FACTOR FOR THE SITE (DFS) PROVIDED

EDF + RDF = 570.6 + 670.1 = 1240.7

1240.7 > 1183.76, therefore DENSITY SATISFIED

SCALE 1" = 80'

0 80' 160' 240'

NO.	Revisions or Type of Drawing Submittal	DATE:

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PHASE 2

OVERALL SITE PLANTING PLAN

Project:

THE NORTH 60

HOSPITAL RD & ROUTE9A MOUNT PLEASANT, NY

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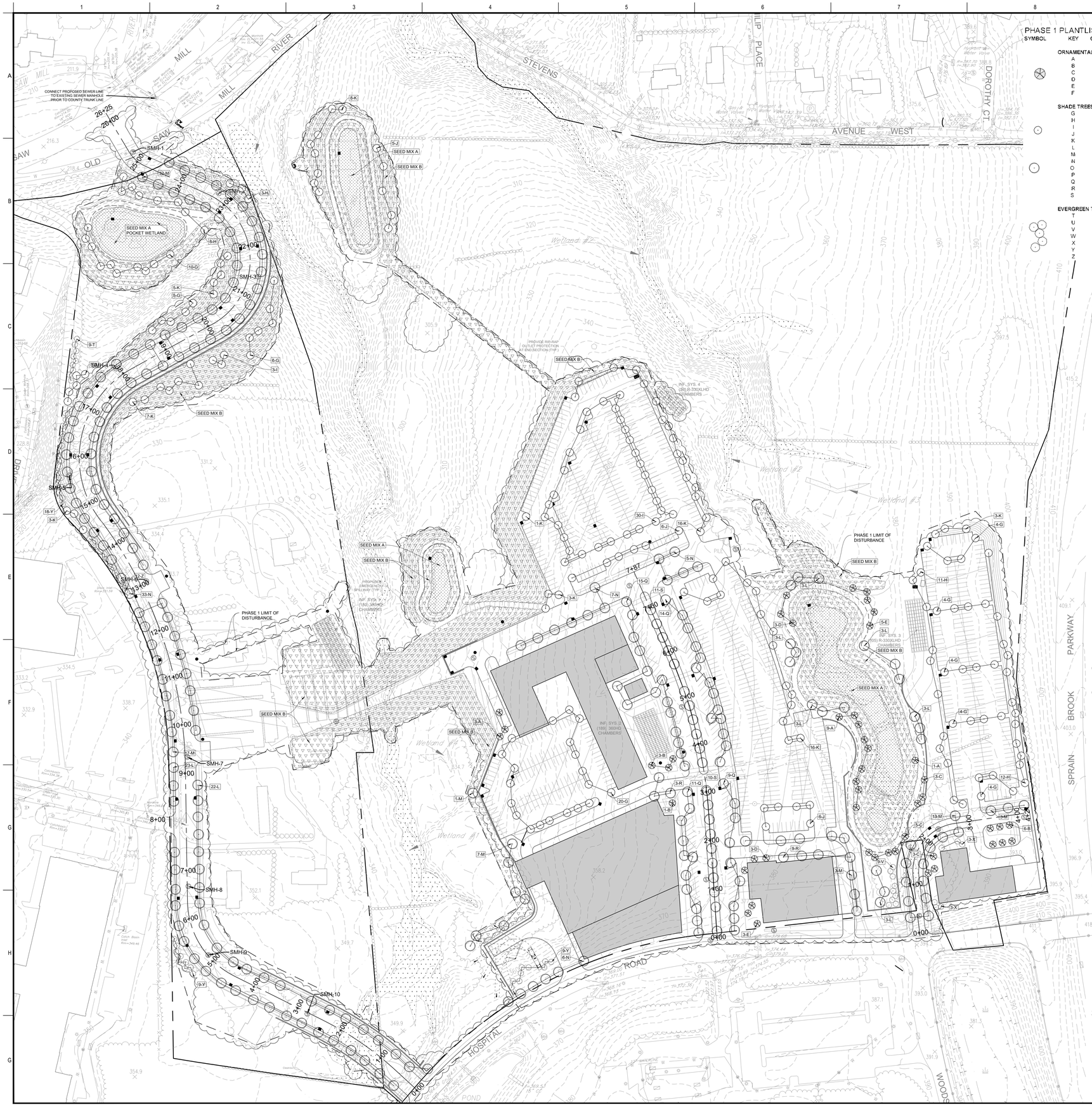

PHASE 1 PLANTLIST

SYMBOL	KEY	QUAN	*BOTANICAL NAME*	COMMON NAME	SIZE	NOTES
			ORNAMENTAL TREES			
	A	13	*Amelanchier canadensis*	Canadian Serviceberry	3.5-4" min.	B&B
	B	10	*Prunus serrulata 'Kwanzan'*	Kwanzan Cherry	3.5-4" min.	B&B
	C	11	*Betula nigra 'Heritage'*	Heritage River Birch	3.5-4" min.	B&B
	D	6	*Cercis canadensis*	Redbud	3.5-4" min.	B&B
	E	8	*Cornus kousa*	Kousa Dogwood	3.5-4" min.	B&B
	F		*Magnolia virginiana*	Sweet Bay Magnolia	3.5-4" min.	B&B
			SHADE TREES			
	G	66	*Acer rubrum 'October Glory'*	Red Maple	2.5-3" cal.	
	H	34	*Liquidambar styraciflua*	Sweetgum	2.5-3" cal.	B&B
	I	33	*Nyssa sylvatica*	Black Gum / Tupelo	2.5-3" cal.	B&B
	J	17	*Oxydendrum arboreaum*	Sourwood	2.5-3" cal.	B&B
	K	62	*Quercus bicolor*	Swamp White Oak	2.5-3" cal.	B&B
	L	63	*Acer rubrum 'Red Sunset'*	Red Maple	4.5-5" cal.	B&B
	M	76	*Quercus palustris*	Pin Oak	4.5-5" cal.	B&B
	N	51	*Tilia americana 'Redmond'*	American Linden	4.5-5" cal.	B&B
	O	0	*Acer saccharum 'Green Mountain*	Sugar Maple	4.5-5" cal.	B&B
	P	0	*Quercus rubra*	Red Oak	5-6" cal.	B&B
	Q	49	*Celtus occidentalis*	Hackberry	5-6" cal.	
	R	12	*Gleditsia tracanthos 'Shademaster'*	Shademaster Thornless Honeylocust	5-6" cal.	B&B
	S	21	*Zelcova serrata 'Green Vase'*	Green Vase Zelcova	5-6" cal.	B&B
						B&B
			EVERGREEN TREES			
	T	9	*Picea abies*	Norway Spruce	10' min.	B&B
	U		*Ilex opaca*	American Holly	8' min.	B&B
	V	9	*Abies balsamea 'Phanerolepis'*	Canaan Fir	10' min.	B&B
	W		*Abies concolor*	White Fir	10' min.	B&B
	X	6	*Pinus strobus 'Fastigiata'*	Upright White Pine	10' min.	B&B
	Y	36	*Picea glauca*	White Spruce	10' min.	B&B
	Z	12	*Thuja plicata 'Green Giant'*	Green Giant Arbontae	10' min.	B&B

SEED MIX A

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TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 1 trees to remain

caliper	density factor	# of trees	tree x DF
10"	0.6	145	87
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14"	1.1	95	104.5
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20"	2.2	32	70.4
22"	2.6	9	23.4
24"	3.1	39	120.9
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30"	4.9	29	142.1
32"	5.5	9	49.5
36"	7	21	147
38"	7.5	2	15
40"	8	13	104
			1300.8

REQUIRED REPLACEMENT DENSITY (RDF)

RDF = DFS - EDF

RDF = 1183.76 - 1300.8 = -117.04

RDF MET - NO REPLACEMENT NECESSARY

REQUIRED REPLACEMENT DENSITY (RDF) PROVIDED

Phase 1

# TREES	CALIPER INCHES	DENSITY FACTOR	VALUE	
72	1-2"	0.4	28.8	EVERGREENS
212	2-3"	0.5	106	SMALL CALIPER SHADE
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190	4-5"	0.7	133	SHADE TREES
82	5-6"	1	82	STREET TREES
			378.6	

REQUIRED DENSITY FACTOR FOR THE SITE (DFS) PROVIDED

EDF + RDF = 1300.8 + 378.6= 1679.4

1679.4 > 1183.76, therefore DENSITY SATISFIED

SCALE 1" = 80'

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OVERALL SITE PLANTING PLAN

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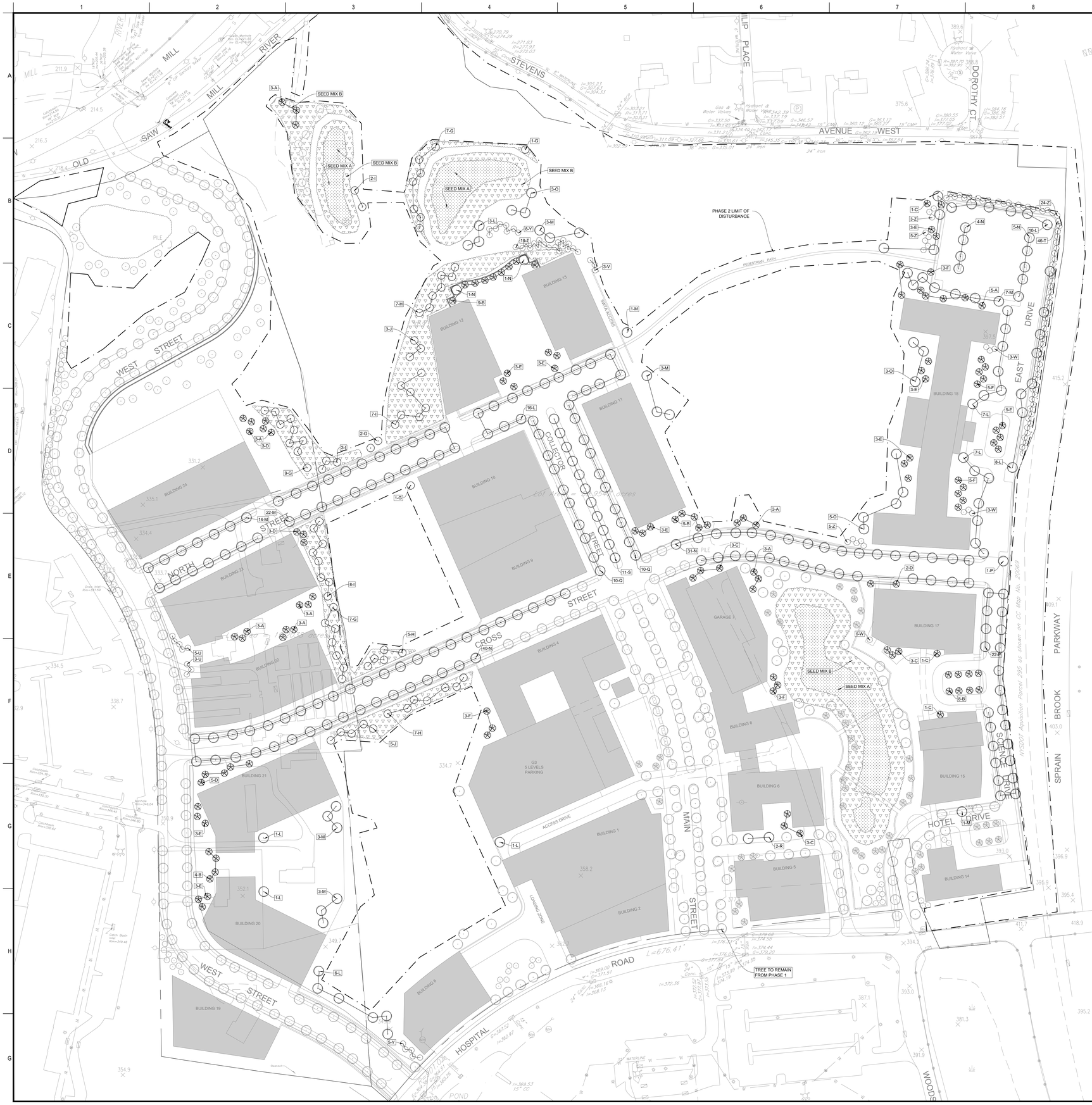

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	I	20	*Nyssa sylvatica*	Black Gum / Tupelo	2.5-3" cal.	B&B
	J	8	*Oxydendrum arboreaum*	Sourwood	2.5-3" cal.	B&B
	K	0	*Quercus bicolor*	Swamp White Oak	2.5-3" cal.	B&B
	L	60	*Acer rubrum 'Red Sunset'*	Red Maple	4.5-5" cal.	B&B
	M	57	*Quercus palustris*	Pin Oak	4.5-5" cal.	B&B
	N	82	*Tilia americana 'Redmond'*	American Linden	4.5-5" cal.	B&B
	O	11	*Acer saccharum 'Green Mountain*	Sugar Maple	4.5-5" cal.	B&B
	P	23	*Quercus rubra*	Red Oak	5-6" cal.	B&B
	Q	20	*Celtus occidentalis*	Hackberry	5-6" cal.	B&B
	R	2	*Gleditsia triacanthos 'Shademaster'*	Shademaster Thornless Honeylocust	5-6" cal.	B&B
	S	11	*Zelcova serrata 'Green Vase'*	Green Vase Zelcova	5-6" cal.	B&B
						B&B
			EVERGREEN TREES			
	T	64	*Picea abies*	Norway Spruce	10' min.	B&B
	U	8	*Ilex opaca*	American Holly	8' min.	B&B
	V	3	*Abies balsamea 'Phaneroleps'*	Canaan Fir	10' min.	B&B
	W	7	*Abies concolor*	White Fir	10' min.	B&B
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*New England Erosion Control/Restoration Mix for dry sites- from New England Wetland Plants, Inc. phone 413.548.8000 Application Rate: 1250 s.f. per pound. The mix may be applied by hydroseeding, by mechanical spreader, or on small sites it may be spread by hand. When applying on bare soil, rake the soil to create grooves , apply seed, then lightly rake over. This mix may be applied at any time of the year, A light mulching of weed-free straw to conserve moisture and to aid in slope stabilization is recommended. (Species include, Creeping Red Fescue, Annual Rye-grass, Timothy, White Clover, Little Bluestem, Red Top, Side-oats Gamma-grass.)

TREE DENSITY CALCULATIONS

TO COMPLY WITH THE TREE PRESERVATION ORDINANCE OF THE TOWN OF MOUNT PLEASANT

REQUIRED DENSITY FACTOR FOR THE SITE (DFS)

DFS = 78.9172 acres x 15 = 1183.76

EXISTING DENSITY FACTOR (EDF)

Overall site Phase 2 trees to remain			
caliper	density factor	# of trees	tree x DF
10"	0.6	65	39
12"	0.8	80	64
14"	1.1	45	49.5
16"	1.4	30	42
18"	1.8	23	41.4
20"	2.2	15	33
22"	2.6	3	7.8
24"	3.1	13	40.3
26"	3.7	3	11.1
28"	4.3	4	17.2
30"	4.9	17	83.3
32"	5.5	3	16.5
36"	7	10	70
38"	7.5	1	7.5
40"	8	6	48
			570.6

REQUIRED REPLACEMENT DENSITY (RDF)

RDF = DFS - EDF

RDF = 1183.76 - 570.6 = 613.16

REQUIRED REPLACEMENT DENSITY (RDF) PROVIDED

FIGURES INCLUDE PHASE 1 PLANTINGS TO REMAIN

Phase 2 # TREES	CALIPER INCHES	DENSITY FACTOR	VALUE	
204	1-2"	0.4	81.6	EVERGREENS
137	2-3"	0.5	68.5	SMALL CALIPER SHADE
170	3-4"	0.6	102	ORNAMENTALS
400	4-5"	0.7	280	SHADE TREES
138	5-6"	1	138	STREET TREES
			670.1	

REQUIRED DENSITY FACTOR FOR THE SITE (DFS) PROVIDED

EDF + RDF = 570.6 + 670.1 = 1240.7

1240.7 > 1183.76, therefore DENSITY SATISFIED

SCALE 1" = 80'

0 80' 160' 240'

NO.	Revisions or Type of Drawing Submittal	DATE:

Seal:

FOR PLANNING PURPOSES ONLY NOT FOR CONSTRUCTION

If Landscape Architect's Seal is not in a contrasting color, this sheet is a copy and is not valid.

Title:

PHASE 2

OVERALL SITE PLANTING PLAN

Project:

THE NORTH 60

HOSPITAL RD & ROUTE9A MOUNT PLEASANT, NY

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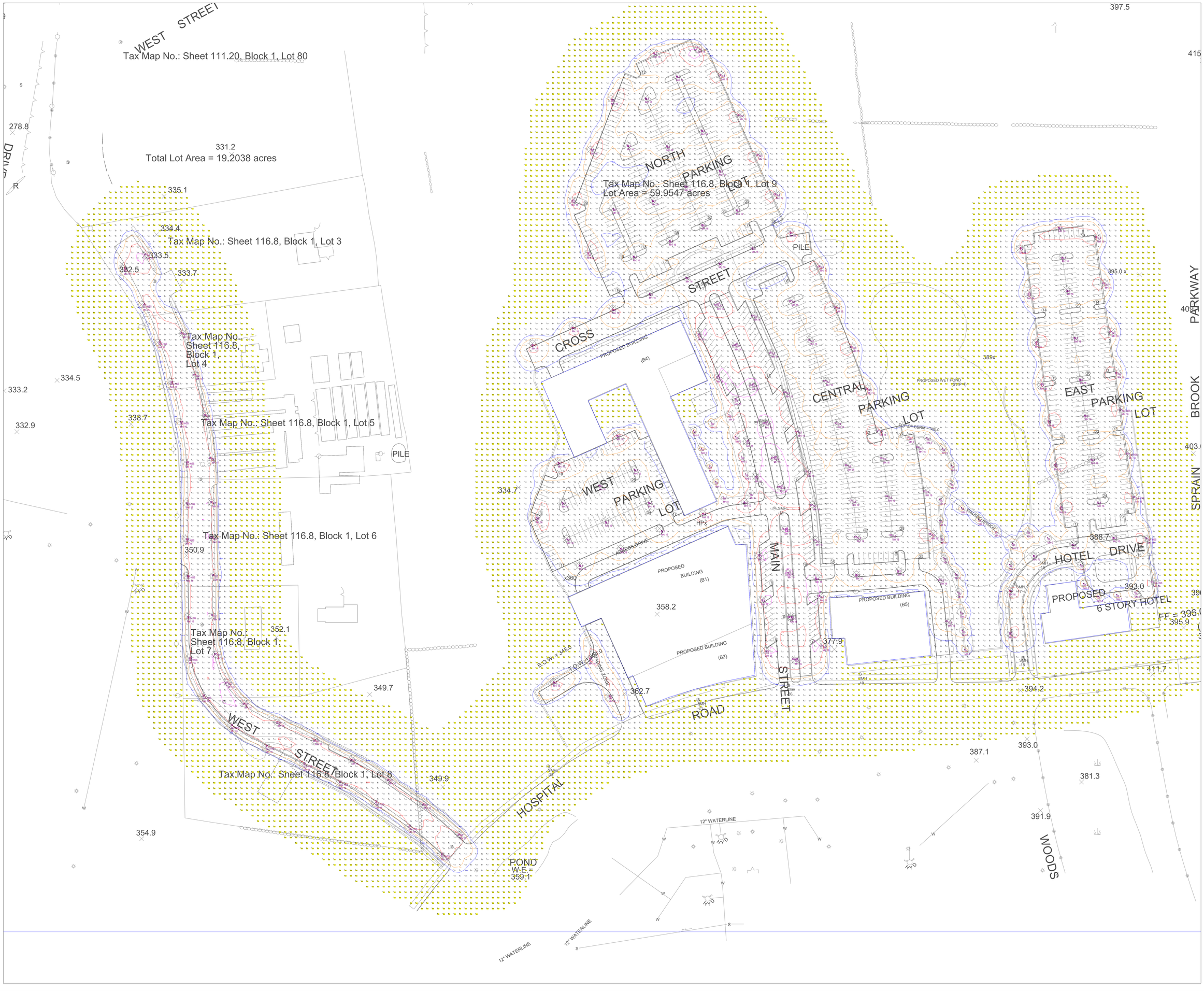
STUDER DESIGN ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND SITE PLANNERS
679 Danbury Road
Ridgefield, CT. 06877
(203) 894-1428 Phone
(203) 894-1429 Fax

Date:	JANUARY 7, 2020
Drawn By:	dpp
Scale:	1" = 80'
North:	N
Sheet:	LA - 2



REFLEXLIGHTING
WHERE QUALITY AND SERVICE COME TO LIGHT

1290 Silas Deane Highway
Suite 102
Wethersfield, CT 06109
(860) 666-1548
www.reflexlighting.com

Drawn By: Nick Irwin

Checked By:

Scale: NTS

Date: 7/8/2019

Salesperson: Selorm Senyefia

Specifier: Studer Design

The North 60
Site Lighting Calculation
Town of Mount Pleasant, NY

DISCLAIMER
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REVISIONS

Date/Note:

8/1/19 - Layout revision

8/9/19 - layout & mounting height

8/20/19 - Layout revision

Luminaire Schedule							
Qty	Symbol	Label	Tag	Description	Lum. Watts	Lum. Lumens	LLF
37		SB	Erco	35751.023	28	701	0.900
38		SL2	McGraw-Edison	GLEON-AF-01-LED-E1-SL2	59	6245	0.900
18		SL2-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL2-HSS	59	5281	0.900
29		SL4	McGraw-Edison	GLEON-AF-01-LED-E1-T4FT	59	6414	0.900
5		SL4-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL4-HSS	59	5175	0.900
63		SL5	McGraw-Edison	GLEON-AF-01-LED-E1-5WQ	59	6715	0.900
10		SL5-2	McGraw-Edison	GLEON-AF-01-LED-E1-5WQ	59	6715	0.900
1		SLL	McGraw-Edison	GLEON-AF-01-LED-E1-SLL	59	5604	0.900

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Site_Planar	Fc	0.56	3.9	0.0	N.A.	N.A.
Access Drive	Fc	1.21	2.6	0.3	4.03	8.67
Central Parking Lot	Fc	1.22	2.7	0.4	3.05	6.75
Cross Street	Fc	1.11	2.4	0.3	3.70	8.00
Drive	Fc	1.08	3.9	0.1	10.80	39.00
East Parking Lot	Fc	1.40	2.7	0.7	2.00	3.86
Hotel Drive	Fc	0.95	2.3	0.0	N.A.	N.A.
Loading Zone	Fc	0.98	2.7	0.0	N.A.	N.A.
Main Street	Fc	2.32	3.5	1.3	1.78	2.69
North Parking Lot	Fc	1.08	3.7	0.2	5.40	18.50
West Parking Lot	Fc	1.16	2.8	0.2	5.80	14.00
West Street	Fc	2.27	3.4	0.0	N.A.	N.A.

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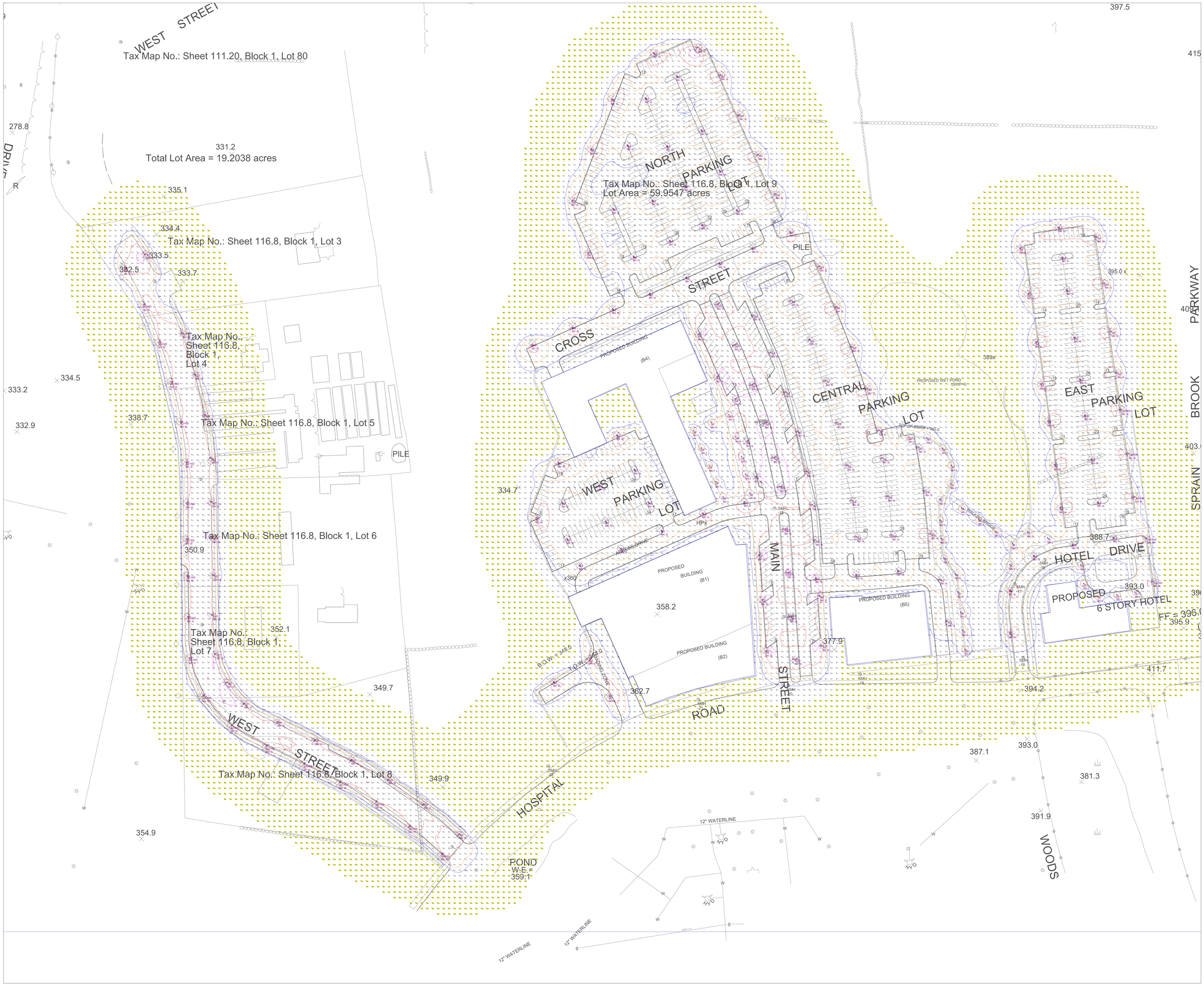

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29		SL4	McGraw-Edison	GLEON-AF-01-LED-E1-T4FT	59	6414	0.900
5		SL4-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL4-HSS	59	5175	0.900
63		SL5	McGraw-Edison	GLEON-AF-01-LED-E1-5WQ	59	6715	0.900
10		SL5-2	McGraw-Edison	GLEON-AF-01-LED-E1-5WQ	59	6715	0.900
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Access Drive	Fc	1.21	2.6	0.3	4.03	8.67
Central Parking Lot	Fc	1.22	2.7	0.4	3.05	6.75
Cross Street	Fc	1.11	2.4	0.3	3.70	8.00
Drive	Fc	1.08	3.9	0.1	10.80	39.00
East Parking Lot	Fc	1.40	2.7	0.7	2.00	3.86
Hotel Drive	Fc	0.95	2.3	0.0	N.A.	N.A.
Loading Zone	Fc	0.98	2.7	0.0	N.A.	N.A.
Main Street	Fc	2.32	3.5	1.3	1.78	2.69
North Parking Lot	Fc	1.08	3.7	0.2	5.40	18.50
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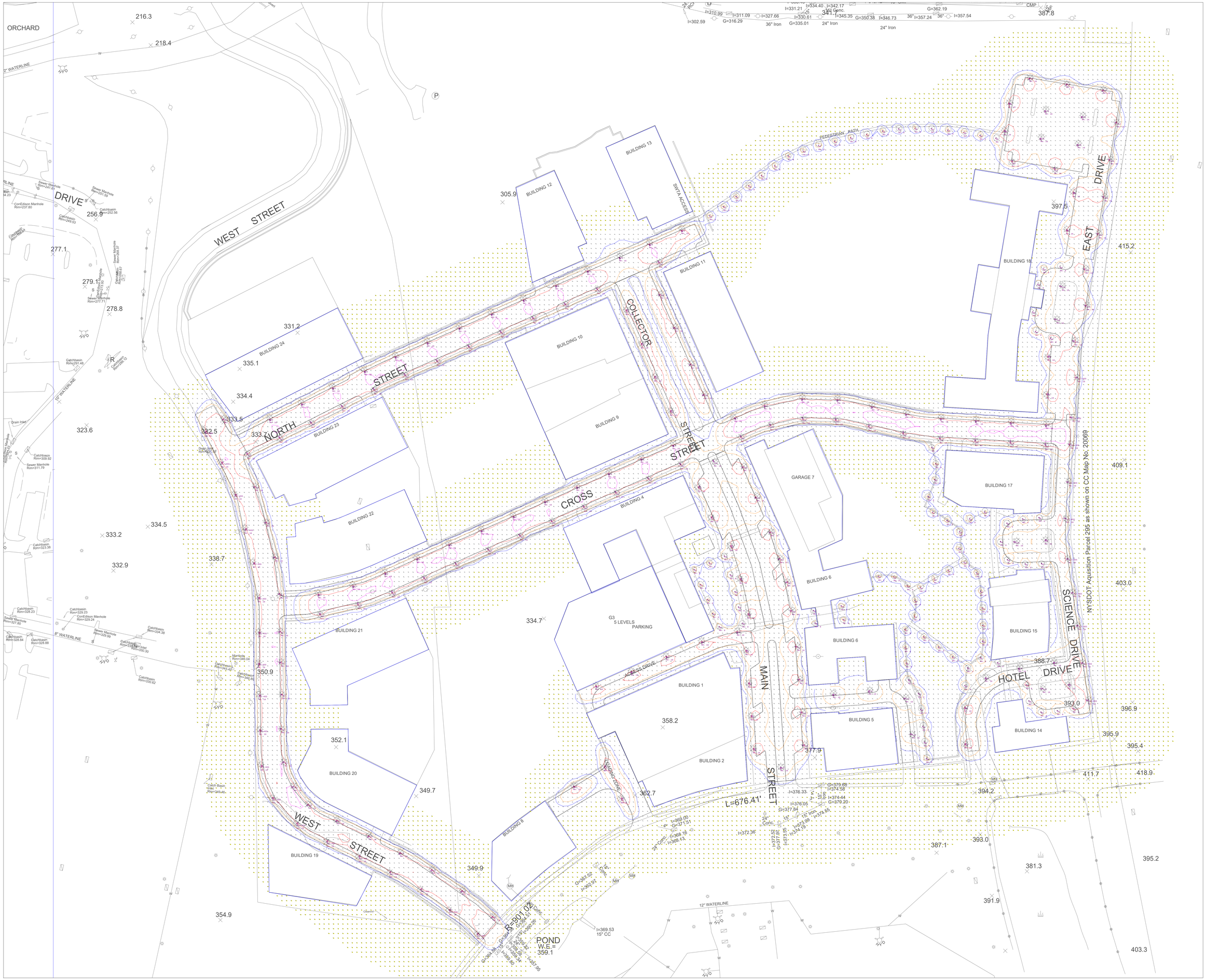

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93		SB	Erco	35751.023	28	701	0.900
104		SL2	McGraw-Edison	GLEON-AF-01-LED-E1-SL2	59	6245	0.900
19		SL2-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL2-HSS	59	5281	0.900
39		SL4	McGraw-Edison	GLEON-AF-01-LED-E1-T4FT	59	6414	0.900
10		SL4-HSS	McGraw-Edison	GLEON-AF-01-LED-E1-SL4-HSS	59	5175	0.900
20		SL5	McGraw-Edison	GLEON-AF-01-LED-E1-5WQ	59	6715	0.900

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Access Drive	Fc	1.76	2.8	0.1	17.60	28.00
Collector Street	Fc	1.27	2.7	0.2	6.35	13.50
Cross Street	Fc	2.52	3.6	0.3	8.40	12.00
Drive	Fc	0.96	2.3	0.2	4.80	11.50
East Drive & Parking	Fc	1.51	2.8	0.3	5.03	9.33
Hotel Drive	Fc	1.55	2.5	0.8	1.94	3.13
Loading Zone	Fc	0.89	2.7	0.0	N.A.	N.A.
Main Street	Fc	1.36	2.6	0.5	2.72	5.20
North Street	Fc	2.37	3.2	0.2	11.85	16.00
Science Drive	Fc	1.45	3.6	0.6	2.42	6.00
West Street	Fc	2.31	3.5	0.6	3.85	5.83

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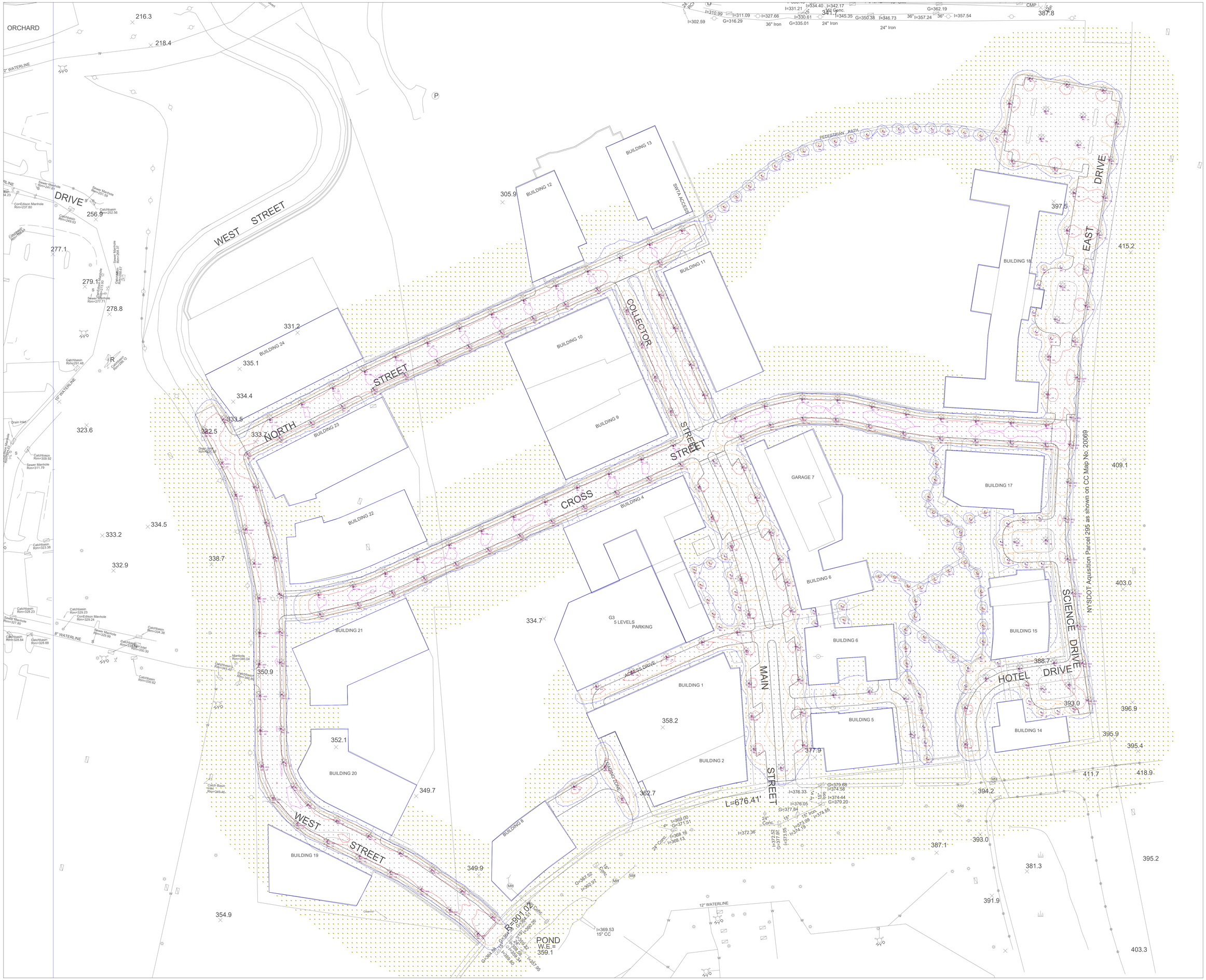

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McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

GLEON
GALLEON LED

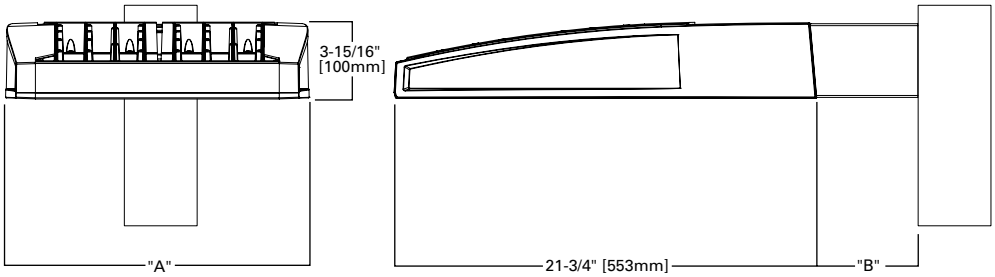
1-10 Light Squares

Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology
CLICK HERE

DIMENSIONS



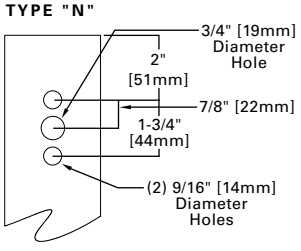
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. **2.** EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA

3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA

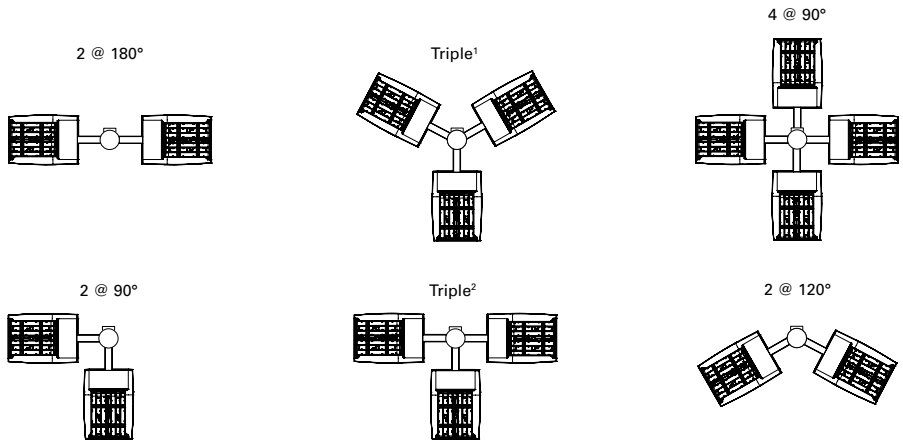
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

EATON
Powering Business Worldwide

*www.designlights.org

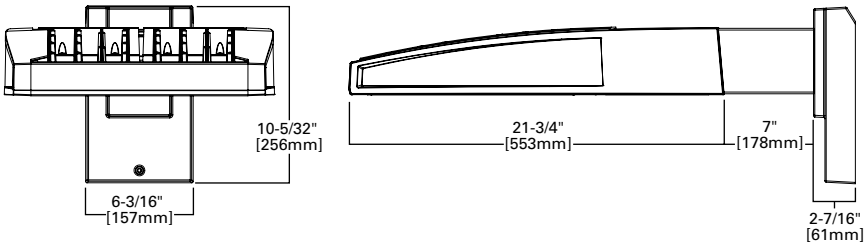
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

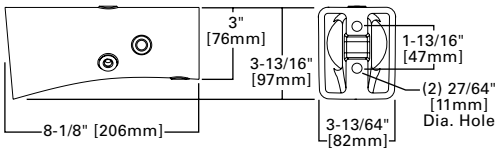


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. **2** Round poles are 3 @ 90°.

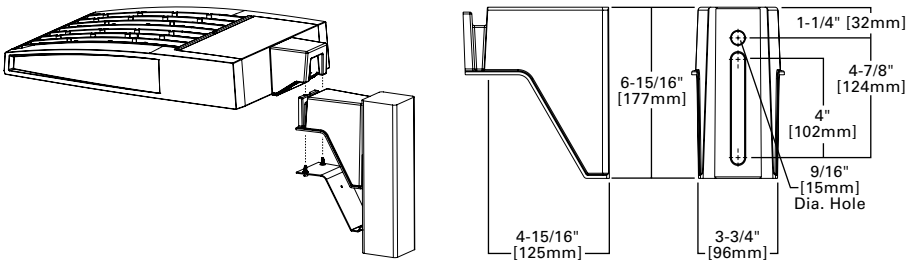
STANDARD WALL MOUNT



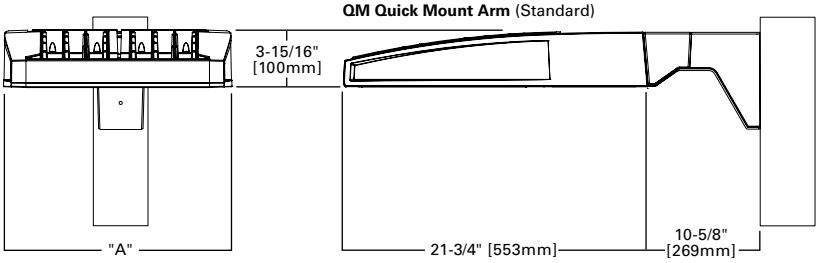
MAST ARM MOUNT



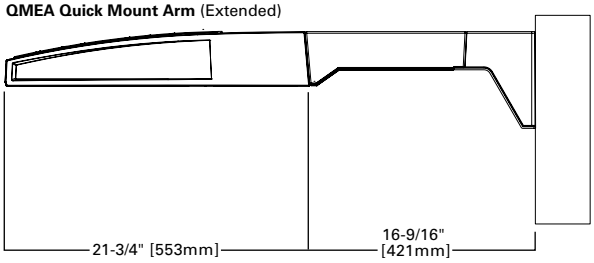
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

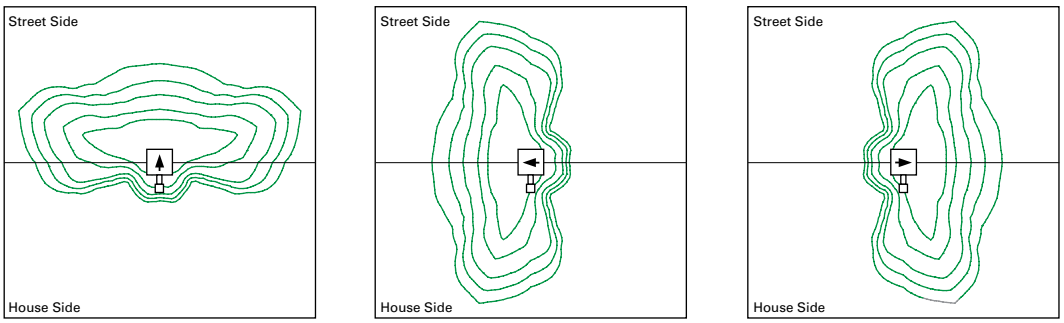


QUICK MOUNT ARM DATA

Number of Light Squares [1, 2]	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 [3]	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. **2** QMEA option available with 1-6 light square configurations. **3** QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION

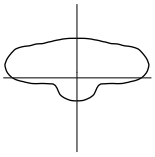


Standard | **Optics Rotated Left @ 90°** [L90] | **Optics Rotated Right @ 90°** [R90]

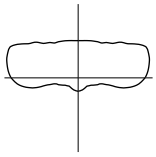
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

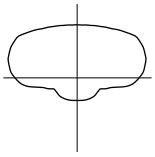
T2 (Type II)



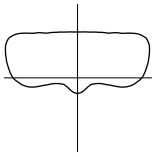
SL2 (Type II with Spill Control)



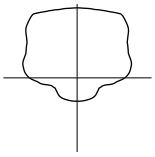
T3 (Type III)



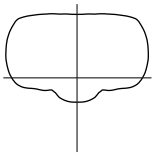
SL3 (Type III with Spill Control)



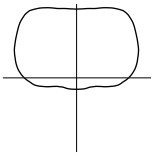
T4FT (Type IV Forward Throw)



T4W (Type IV Wide)

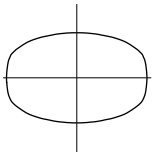


SL4 (Type IV with Spill Control)

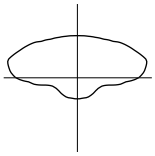


Asymmetric Roadway Distributions

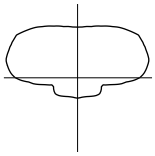
RW (Rectangular Wide Type I)



T2R (Type II Roadway)

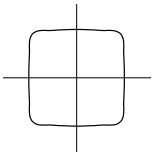


T3R (Type III Roadway)

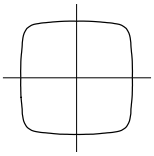


Symmertric Distributions

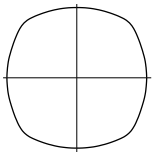
5NQ (Type V Square Narrow)



5MQ (Type V Square Medium)

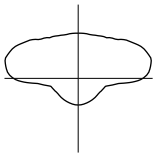


5WQ (Type V Square Wide)

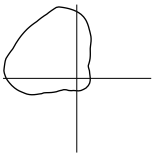


Specialized Distributions

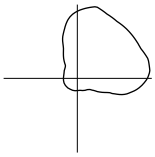
AFL (Automotive Frontline)



SLL (90° Spill Light Eliminator Left)

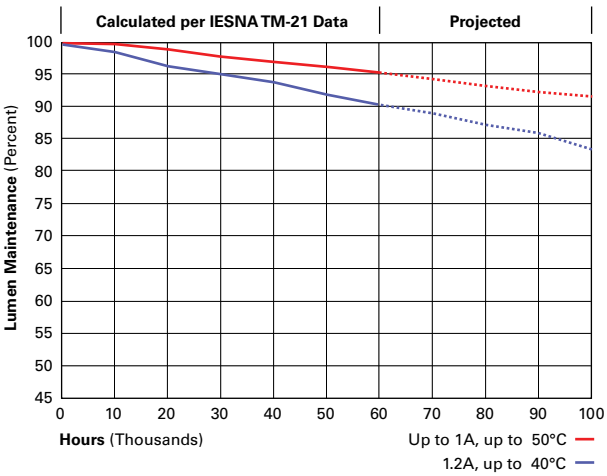


SLR (90° Spill Light Eliminator Right)



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	6,029	11,781	17,580	23,229	28,781	34,441	40,731	46,150	51,480	56,997
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

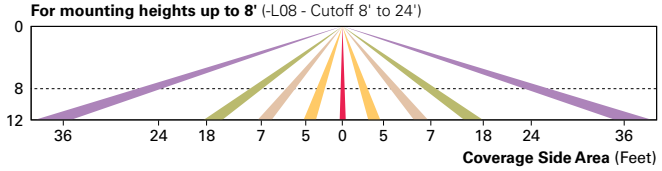
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

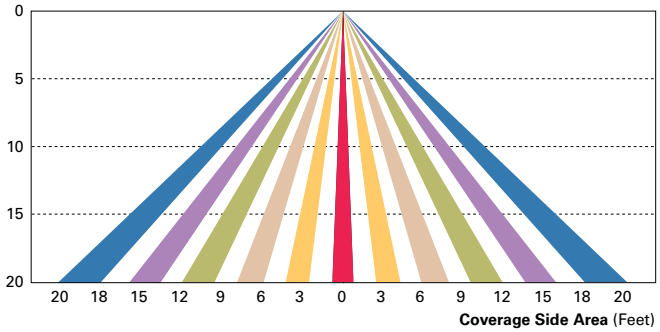
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.

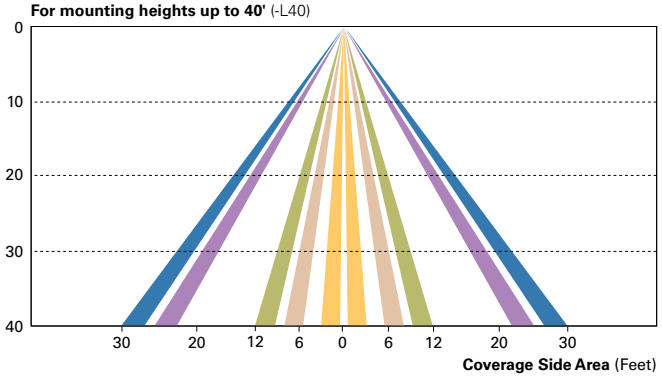
For mounting heights up to 8' (-L08 - Cutoff 8' to 24')



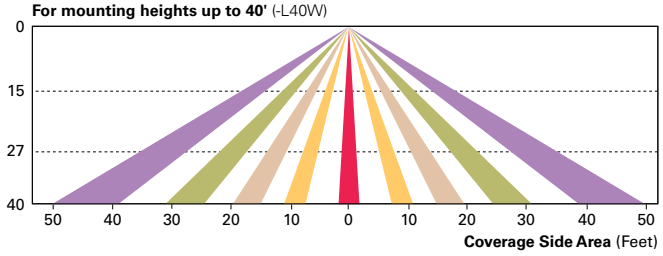
For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40)

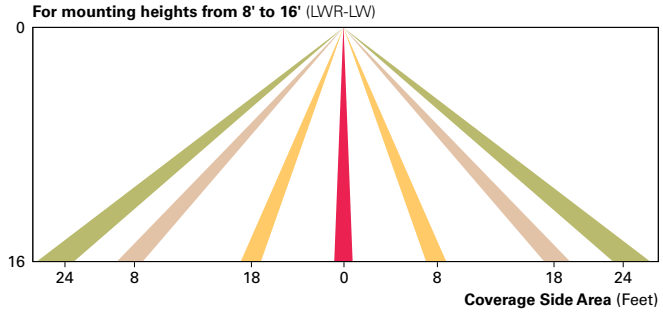


For mounting heights up to 40' (-L40W)

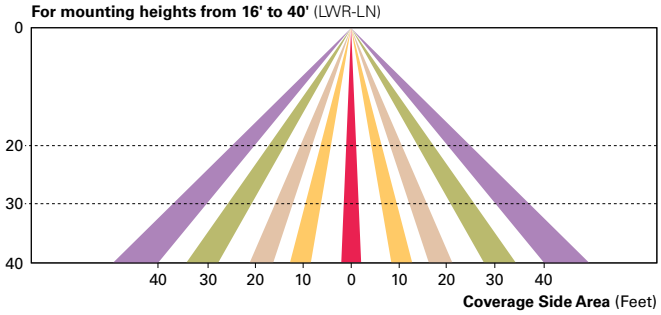


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family [1, 2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [5] **08**=8 [5] **09**=9 [6] **10**=10 [6]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [7] **480**=480V [7, 8]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

Options (Add as Suffix)

7027=70 CRI 2700K [13]
7030=70 CRI 3000K [13]
8030=80 CRI 3000K [14]
7050=70 CRI 5000K [13]
7060=70 CRI 6000K [13]
600=Drive Current Factory Set to Nominal 600mA [15]
800=Drive Current Factory Set to Nominal 800mA [15]
1200=Drive Current Factory Set to Nominal 1200mA [15, 16]
F=Single Fuse (120, 277 or 347V. Must Specify Voltage)
FF=Double Fuse (208, 240 or 480V. Must Specify Voltage)
2L=Two Circuits [17, 18]
DIM=External 0-10V Dimming Leads [19, 20]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage) [21]
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle [21]
R=NEMA Twistlock Photocontrol Receptacle [21]
AHD145=After Hours Dim, 5 Hours [22]
AHD245=After Hours Dim, 6 Hours [22]
AHD255=After Hours Dim, 7 Hours [22]
AHD355=After Hours Dim, 8 Hours [22]
HA=50°C High Ambient [23]
MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24, 25]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24, 26]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [24, 27]
MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) [24, 28]
MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24, 25, 29]
MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24, 26, 29]
MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height [22, 27, 29]
MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) [24, 28, 29]
MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24, 25]
MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24, 26]
MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24, 27]
MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) [24, 28]
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [30]
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Factory Installed Mesh Top
TH=Tool-less Door Hardware
LCF=Light Square Trim Plate Painted to Match Housing [31]
HSS=Factory Installed House Side Shield [32]
CE=CE Marking [33]

Accessories (Order Separately)

OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V
OA/RA1027=NEMA Photocontrol - 480V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=120V Photocontrol
MA1252=10kV Surge Module Replacement
MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon
MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [24]
GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares
GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares
GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares
GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares
GLEON-QM=Quick Mount Arm Kit [11]
GLEON-QMEA=Quick Mount Extended Arm Kit [12]
LS/HSS=Field Installed House Side Shield [32, 34]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) [35]

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares. **13** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **14** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Approximately 22' detection diameter at 8' mounting height. **26** Approximately 40' detection diameter at 20' mounting height. **27** Approximately 60' detection diameter at 40' mounting height. **28** Approximately 100' detection diameter at 40' mounting height. **29** Replace X with number of Light Squares operating in low output mode. **30** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **31** Not available with house side shield (HSS). **32** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **33** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **34** One required for each Light Square. **35** Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CLICK HERE	**D**=Dome Camera, Standard **H**=Dome Camera, Hi-Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility.

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Catalog #		**Type**
Project		
Comments		**Date**
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

GLEON
GALLEON LED

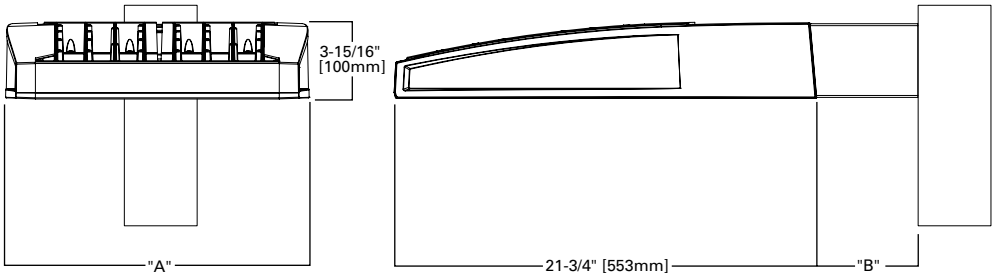
1-10 Light Squares

Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology
CLICK HERE

DIMENSIONS



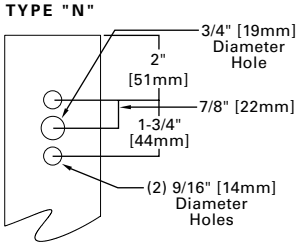
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. **2.** EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA

3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA

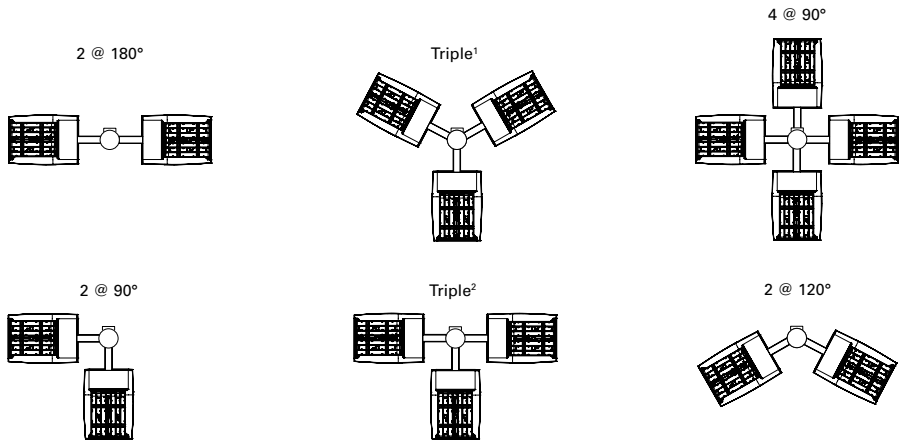
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

EATON
Powering Business Worldwide

*www.designlights.org

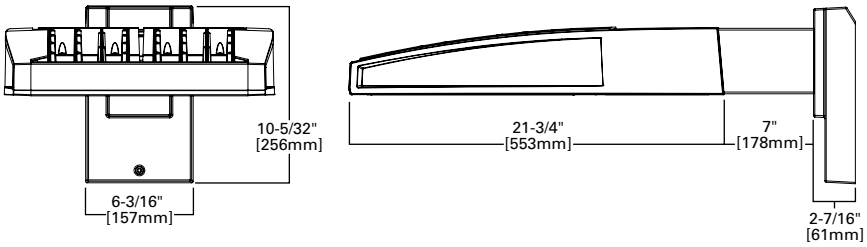
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

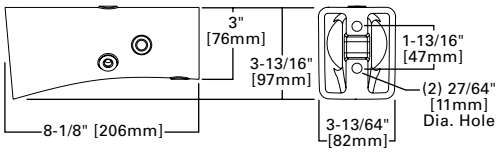


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. **2** Round poles are 3 @ 90°.

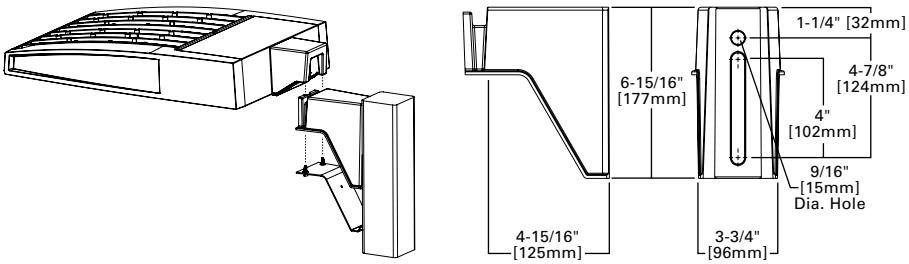
STANDARD WALL MOUNT



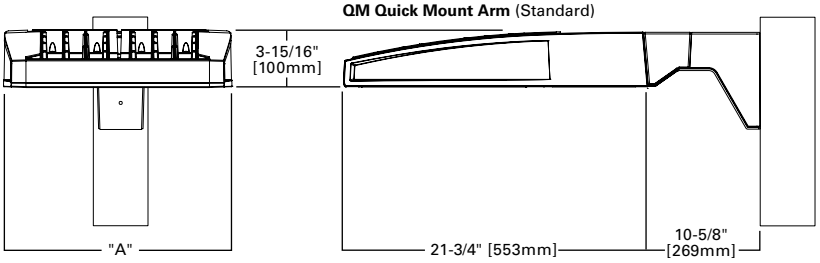
MAST ARM MOUNT



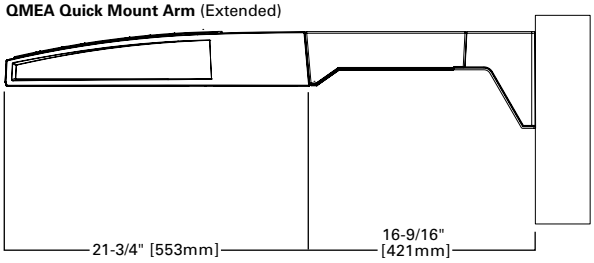
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

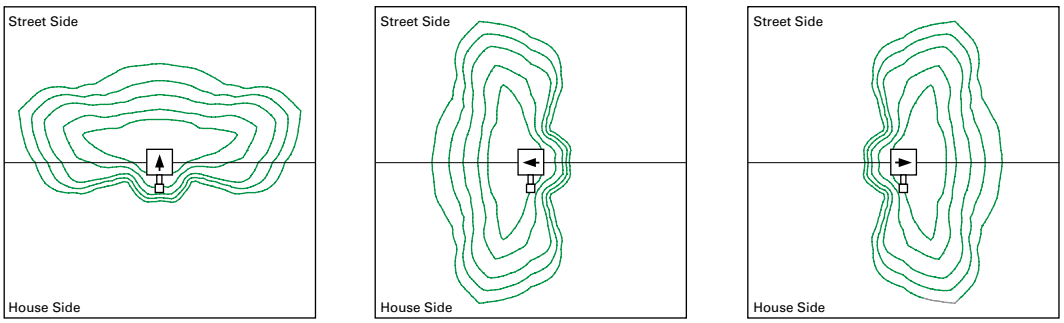


QUICK MOUNT ARM DATA

Number of Light Squares [1, 2]	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 [3]	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. **2** QMEA option available with 1-6 light square configurations. **3** QMEA arm to be used when mounting two fixtures at 90° on a single pole.

OPTIC ORIENTATION

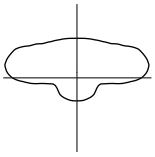


Standard | **Optics Rotated Left @ 90°** [L90] | **Optics Rotated Right @ 90°** [R90]

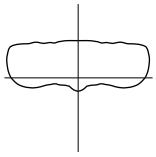
OPTICAL DISTRIBUTIONS

Asymmetric Area Distributions

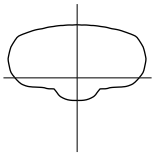
T2 (Type II)



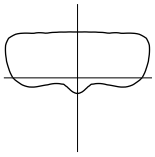
SL2 (Type II with Spill Control)



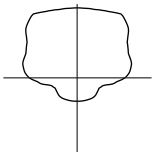
T3 (Type III)



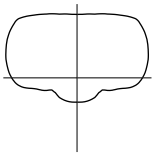
SL3 (Type III with Spill Control)



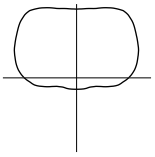
T4FT (Type IV Forward Throw)



T4W (Type IV Wide)

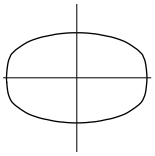


SL4 (Type IV with Spill Control)

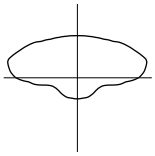


Asymmetric Roadway Distributions

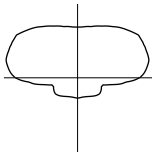
RW (Rectangular Wide Type I)



T2R (Type II Roadway)

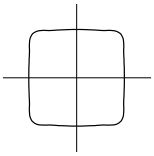


T3R (Type III Roadway)

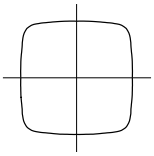


Symmertric Distributions

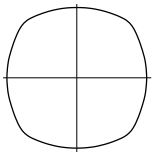
5NQ (Type V Square Narrow)



5MQ (Type V Square Medium)

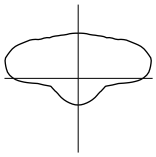


5WQ (Type V Square Wide)

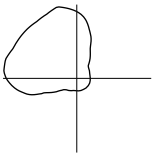


Specialized Distributions

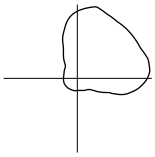
AFL (Automotive Frontline)



SLL (90° Spill Light Eliminator Left)

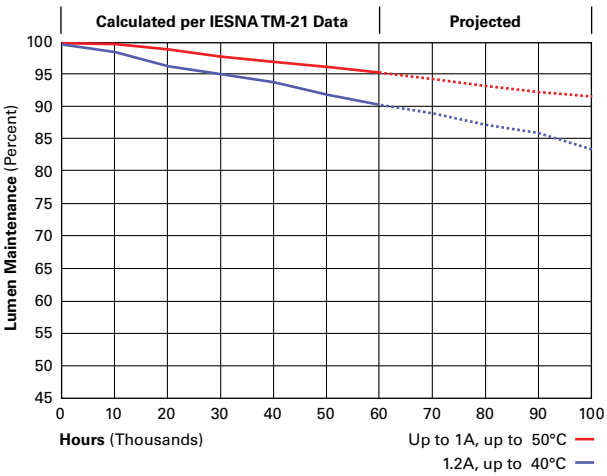


SLR (90° Spill Light Eliminator Right)



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		67	129	191	258	320	382	448	511	575	640
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45
Optics											
T2	4000K/5000K Lumens	6,863	13,412	20,011	26,441	32,761	39,205	46,364	52,534	58,601	64,880
	3000K Lumens	6,489	12,681	18,919	25,000	30,974	37,066	43,836	49,668	55,405	61,341
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	7,285	14,238	21,246	28,072	34,780	41,621	49,221	55,770	62,212	68,878
	3000K Lumens	6,888	13,462	20,087	26,541	32,884	39,351	46,537	52,729	58,819	65,122
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,995	13,670	20,397	26,951	33,391	39,959	47,256	53,544	59,728	66,130
	3000K Lumens	6,613	12,924	19,284	25,480	31,570	37,780	44,679	50,624	56,471	62,524
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	7,150	13,973	20,850	27,549	34,134	40,846	48,307	54,734	61,056	67,598
	3000K Lumens	6,761	13,212	19,713	26,046	32,272	38,619	45,673	51,750	57,726	63,911
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	7,036	13,748	20,515	27,107	33,586	40,191	47,530	53,854	60,074	66,512
	3000K Lumens	6,652	12,999	19,397	25,629	31,754	37,999	44,938	50,917	56,797	62,885
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,945	13,571	20,249	26,756	33,152	39,671	46,917	53,160	59,298	65,653
	3000K Lumens	6,566	12,831	19,146	25,297	31,344	37,508	44,358	50,260	56,064	62,072
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,851	13,388	19,977	26,396	32,704	39,137	46,283	52,444	58,498	64,768
	3000K Lumens	6,477	12,658	18,888	24,957	30,920	37,003	43,759	49,584	55,308	61,235
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,994	13,668	20,394	26,947	33,388	39,953	47,249	53,537	59,720	66,119
	3000K Lumens	6,612	12,922	19,281	25,477	31,567	37,774	44,673	50,618	56,463	62,514
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,645	12,986	19,378	25,603	31,723	37,962	44,893	50,868	56,743	62,824
	3000K Lumens	6,282	12,279	18,321	24,207	29,993	35,892	42,445	48,094	53,648	59,398
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	7,214	14,097	21,036	27,795	34,437	41,210	48,734	55,220	61,597	68,199
	3000K Lumens	6,820	13,329	19,888	26,279	32,558	38,962	46,077	52,208	58,237	64,479
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	7,347	14,356	21,423	28,306	35,071	41,969	49,632	56,237	62,730	69,454
	3000K Lumens	6,947	13,573	20,254	26,762	33,158	39,680	46,925	53,170	59,309	65,667
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	7,366	14,396	21,480	28,381	35,164	42,080	49,765	56,386	62,898	69,639
	3000K Lumens	6,964	13,610	20,308	26,833	33,247	39,786	47,050	53,311	59,468	65,842
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	6,147	12,010	17,921	23,679	29,339	35,109	41,521	47,046	52,478	58,102
	3000K Lumens	5,811	11,355	16,944	22,388	27,739	33,194	39,256	44,479	49,617	54,933
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	7,149	13,970	20,846	27,543	34,126	40,837	48,295	54,722	61,042	67,582
	3000K Lumens	6,760	13,208	19,709	26,041	32,264	38,610	45,661	51,738	57,713	63,897
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	7,175	14,021	20,921	27,643	34,249	40,986	48,470	54,920	61,262	67,828
	3000K Lumens	6,784	13,256	19,780	26,136	32,381	38,750	45,827	51,925	57,922	64,129
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,256	12,225	18,242	24,104	29,865	35,739	42,265	47,888	53,420	59,144
	3000K Lumens	5,915	11,559	17,248	22,789	28,236	33,790	39,960	45,277	50,506	55,919
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,642	12,979	19,366	25,589	31,705	37,941	44,870	50,840	56,711	62,789
	3000K Lumens	6,280	12,271	18,311	24,193	29,976	35,872	42,423	48,068	53,619	59,365
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,377	12,461	18,593	24,568	30,439	36,426	43,077	48,810	54,447	60,282
	3000K Lumens	6,029	11,781	17,580	23,229	28,781	34,441	40,731	46,150	51,480	56,997
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,518	12,739	19,006	25,113	31,116	37,235	44,036	49,895	55,658	61,622
	3000K Lumens	6,029	11,781	17,579	23,229	28,779	34,440	40,729	46,148	51,478	56,995
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,414	12,533	18,702	24,710	30,616	36,637	43,328	49,093	54,763	60,631
	3000K Lumens	6,064	11,849	17,681	23,363	28,946	34,638	40,966	46,417	51,776	57,325
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	4000K/5000K Lumens	6,331	12,372	18,459	24,391	30,221	36,163	42,769	48,459	54,056	59,849
	3000K Lumens	5,986	11,697	17,452	23,061	28,572	34,192	40,436	45,817	51,108	56,585
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,245	12,205	18,212	24,062	29,813	35,677	42,192	47,807	53,326	59,042
	3000K Lumens	5,904	11,539	17,218	22,750	28,187	33,732	39,891	45,199	50,418	55,822
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,376	12,460	18,591	24,564	30,436	36,421	43,072	48,803	54,439	60,273
	3000K Lumens	6,028	11,780	17,578	23,224	28,776	34,435	40,723	46,141	51,471	56,986
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	6,058	11,838	17,664	23,340	28,918	34,605	40,924	46,370	51,727	57,269
	3000K Lumens	5,727	11,193	16,701	22,067	27,341	32,718	38,692	43,841	48,906	54,146
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,577	12,851	19,176	25,336	31,392	37,566	44,426	50,337	56,151	62,170
	3000K Lumens	6,218	12,151	18,131	23,955	29,680	35,517	42,003	47,592	53,089	58,779
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	4000K/5000K Lumens	6,697	13,088	19,528	25,803	31,970	38,258	45,243	51,264	57,185	63,313
	3000K Lumens	6,332	12,374	18,463	24,395	30,227	36,171	42,776	48,468	54,066	59,861
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,715	13,122	19,580	25,871	32,055	38,360	45,365	51,401	57,337	63,482
	3000K Lumens	6,348	12,406	18,513	24,461	30,307	36,268	42,891	48,599	54,210	60,021
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,604	10,949	16,337	21,586	26,745	32,004	37,850	42,886	47,838	52,965
	3000K Lumens	5,298	10,351	15,446	20,409	25,287	30,258	35,786	40,547	45,229	50,077
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,517	12,735	19,002	25,107	31,109	37,227	44,025	49,883	55,644	61,607
	3000K Lumens	6,162	12,040	17,965	23,738	29,413	35,197	41,623	47,163	52,609	58,247
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,541	12,781	19,072	25,199	31,221	37,362	44,185	50,065	55,846	61,831
	3000K Lumens	6,184	12,084	18,032	23,825	29,519	35,325	41,775	47,334	52,801	58,459
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		44	85	124	171	210	249	295	334	374	419
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
Optics											
T2	4000K/5000K Lumens	5,054	9,878	14,739	19,475	24,129	28,875	34,148	38,691	43,159	47,785
	3000K Lumens	4,779	9,338	13,935	18,412	22,813	27,301	32,286	36,581	40,805	45,179
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	5,366	10,486	15,647	20,675	25,616	30,654	36,252	41,076	45,819	50,730
	3000K Lumens	5,074	9,914	14,794	19,548	24,218	28,982	34,276	38,835	43,320	47,964
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3	4000K/5000K Lumens	5,153	10,068	15,022	19,849	24,593	29,430	34,805	39,436	43,990	48,705
	3000K Lumens	4,872	9,519	14,203	18,766	23,251	27,825	32,907	37,285	41,591	46,048
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	5,266	10,292	15,356	20,290	25,140	30,084	35,578	40,312	44,968	49,786
	3000K Lumens	4,979	9,731	14,518	19,184	23,769	28,443	33,638	38,114	42,516	47,071
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	5,182	10,126	15,109	19,964	24,736	29,600	35,006	39,664	44,245	48,987
	3000K Lumens	4,899	9,574	14,285	18,876	23,387	27,986	33,097	37,501	41,832	46,315
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	5,115	9,995	14,914	19,706	24,417	29,218	34,554	39,152	43,674	48,354
	3000K Lumens	4,836	9,450	14,100	18,631	23,085	27,624	32,670	37,017	41,292	45,717
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	5,046	9,860	14,713	19,441	24,087	28,825	34,089	38,625	43,085	47,702
	3000K Lumens	4,771	9,322	13,911	18,381	22,774	27,253	32,229	36,518	40,735	45,101
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	5,152	10,067	15,020	19,846	24,591	29,426	34,800	39,431	43,984	48,698
	3000K Lumens	4,871	9,518	14,200	18,764	23,249	27,822	32,902	37,280	41,585	46,042
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	4,894	9,565	14,271	18,857	23,364	27,959	33,065	37,465	41,792	46,270
	3000K Lumens	4,627	9,043	13,492	17,829	22,090	26,434	31,261	35,422	39,513	43,746
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	5,313	10,383	15,493	20,470	25,363	30,351	35,893	40,669	45,367	50,229
	3000K Lumens	5,024	9,817	14,647	19,354	23,980	28,696	33,936	38,452	42,893	47,490
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	5,411	10,574	15,778	20,848	25,830	30,911	36,554	41,418	46,202	51,154
	3000K Lumens	5,117	9,997	14,917	19,710	24,421	29,225	34,561	39,160	43,682	48,364
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	5,426	10,603	15,820	20,903	25,899	30,992	36,652	41,529	46,325	51,290
	3000K Lumens	5,130	10,025	14,958	19,763	24,486	29,302	34,654	39,263	43,799	48,493
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	4,528	8,846	13,199	17,440	21,609	25,858	30,580	34,649	38,651	42,792
	3000K Lumens	4,281	8,364	12,480	16,489	20,430	24,448	28,912	32,759	36,543	40,459
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	5,265	10,289	15,353	20,285	25,134	30,077	35,569	40,303	44,958	49,775
	3000K Lumens	4,978	9,727	14,516	19,179	23,763	28,437	33,629	38,105	42,506	47,060
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
AFL	4000K/5000K Lumens	5,285	10,327	15,409	20,360	25,225	30,186	35,699	40,450	45,120	49,956
	3000K Lumens	4,996	9,763	14,569	19,249	23,849	28,540	33,752	38,244	42,659	47,232
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		34	66	96	129	162	193	226	257	290	323
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77
Optics											
T2	4000K/5000K Lumens	4,121	8,055	12,019	15,881	19,676	23,547	27,847	31,552	35,196	38,967
	3000K Lumens	3,896	7,615	11,363	15,015	18,604	22,263	26,328	29,831	33,276	36,842
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	4,376	8,552	12,760	16,860	20,890	24,998	29,563	33,497	37,365	41,369
	3000K Lumens	4,138	8,085	12,064	15,941	19,751	23,635	27,951	31,670	35,328	39,113
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	4,201	8,210	12,251	16,187	20,055	23,999	28,383	32,159	35,873	39,718
	3000K Lumens	3,973	7,763	11,583	15,304	18,961	22,691	26,835	30,406	33,916	37,552
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	4000K/5000K Lumens	4,294	8,393	12,523	16,546	20,501	24,532	29,014	32,875	36,671	40,600
	3000K Lumens	4,060	7,936	11,840	15,644	19,383	23,195	27,432	31,082	34,671	38,386
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	4,226	8,257	12,321	16,280	20,172	24,139	28,547	32,346	36,082	39,948
	3000K Lumens	3,996	7,807	11,649	15,392	19,071	22,822	26,990	30,582	34,114	37,770
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	4,171	8,151	12,162	16,071	19,912	23,827	28,178	31,928	35,615	39,432
	3000K Lumens	3,943	7,706	11,498	15,194	18,825	22,527	26,642	30,187	33,673	37,281
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	4,114	8,041	11,998	15,854	19,643	23,506	27,799	31,498	35,135	38,901
	3000K Lumens	3,890	7,603	11,344	14,989	18,572	22,224	26,282	29,780	33,219	36,779
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	4000K/5000K Lumens	4,200	8,209	12,249	16,184	20,053	23,996	28,379	32,154	35,869	39,712
	3000K Lumens	3,972	7,762	11,580	15,302	18,960	22,688	26,831	30,400	33,913	37,546
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	3,992	7,799	11,638	15,378	19,053	22,801	26,964	30,552	34,081	37,733
	3000K Lumens	3,774	7,374	11,003	14,539	18,015	21,557	25,493	28,886	32,222	35,674
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	4,333	8,467	12,634	16,694	20,683	24,751	29,271	33,166	36,996	40,961
	3000K Lumens	4,097	8,005	11,945	15,784	19,555	23,401	27,674	31,357	34,978	38,727
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	4,413	8,622	12,867	17,000	21,064	25,207	29,810	33,777	37,677	41,715
	3000K Lumens	4,173	8,152	12,165	16,073	19,915	23,832	28,185	31,934	35,623	39,440
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	4,424	8,646	12,900	17,046	21,120	25,274	29,890	33,866	37,778	41,826
	3000K Lumens	4,182	8,175	12,197	16,117	19,968	23,896	28,260	32,018	35,717	39,545
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	3,692	7,214	10,763	14,222	17,621	21,086	24,937	28,256	31,519	34,897
	3000K Lumens	3,491	6,820	10,176	13,447	16,660	19,937	23,577	26,715	29,800	32,994
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	4,293	8,390	12,520	16,542	20,496	24,527	29,007	32,866	36,662	40,591
	3000K Lumens	4,059	7,932	11,837	15,640	19,378	23,189	27,425	31,074	34,662	38,377
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	4,310	8,421	12,566	16,602	20,571	24,616	29,112	32,986	36,795	40,738
	3000K Lumens	4,074	7,962	11,881	15,697	19,448	23,273	27,525	31,187	34,788	38,516
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

CONTROL OPTIONS

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

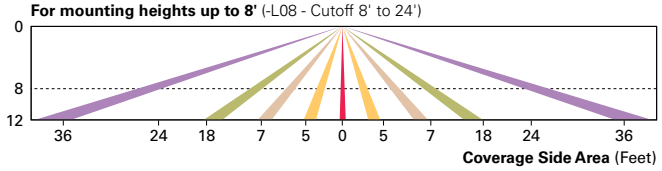
Photocontrol (P, R and PER7)
Optional button-type photocontrol (P) and photocontrol receptacles (R and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

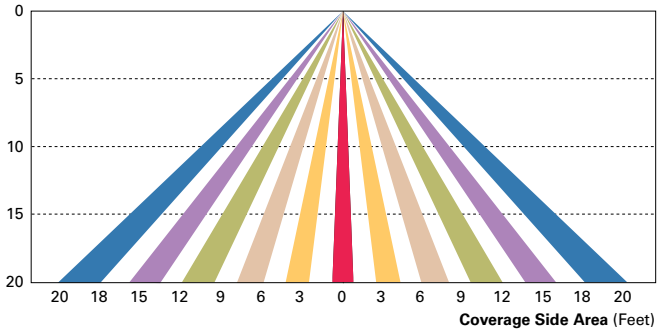
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.

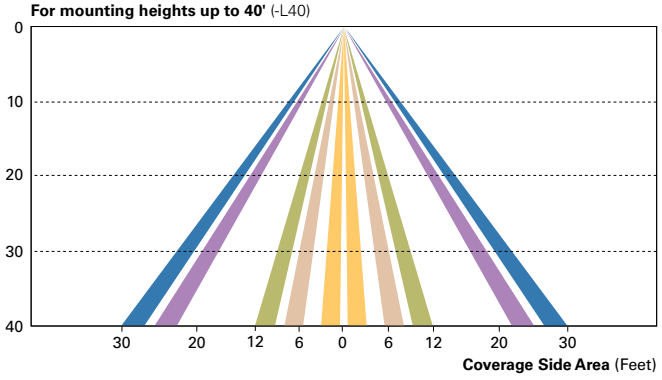
For mounting heights up to 8' (-L08 - Cutoff 8' to 24')



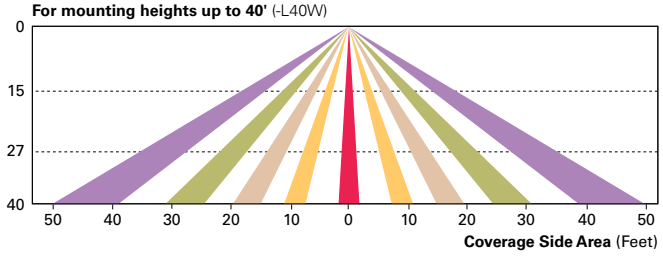
For mounting heights up to 20' (-L20)



For mounting heights up to 40' (-L40)

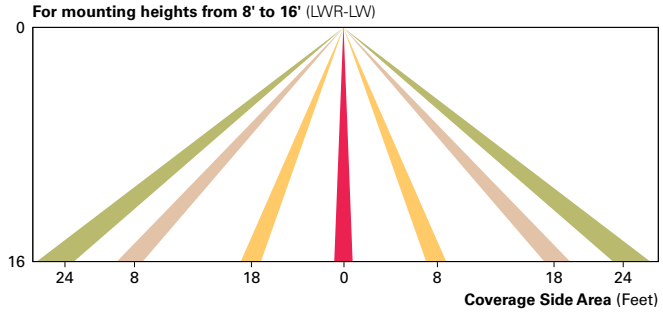


For mounting heights up to 40' (-L40W)

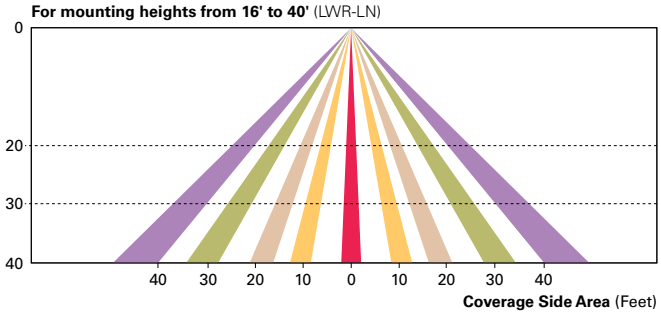


LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)
The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



For mounting heights from 16' to 40' (LWR-LN)



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)
The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)
Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family [1, 2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [5] **08**=8 [5] **09**=9 [6] **10**=10 [6]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [7] **480**=480V [7, 8]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

Options (Add as Suffix)

7027=70 CRI 2700K [13]
7030=70 CRI 3000K [13]
8030=80 CRI 3000K [14]
7050=70 CRI 5000K [13]
7060=70 CRI 6000K [13]
600=Drive Current Factory Set to Nominal 600mA [15]
800=Drive Current Factory Set to Nominal 800mA [15]
1200=Drive Current Factory Set to Nominal 1200mA [15, 16]
F=Single Fuse (120, 277 or 347V. Must Specify Voltage)
FF=Double Fuse (208, 240 or 480V. Must Specify Voltage)
2L=Two Circuits [17, 18]
DIM=External 0-10V Dimming Leads [19, 20]
P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage) [21]
PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle [21]
R=NEMA Twistlock Photocontrol Receptacle [21]
AHD145=After Hours Dim, 5 Hours [22]
AHD245=After Hours Dim, 6 Hours [22]
AHD255=After Hours Dim, 7 Hours [22]
AHD355=After Hours Dim, 8 Hours [22]
HA=50°C High Ambient [23]
MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24, 25]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24, 26]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [24, 27]
MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) [24, 28]
MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24, 25, 29]
MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24, 26, 29]
MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height [22, 27, 29]
MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) [24, 28, 29]
MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24, 25]
MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24, 26]
MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24, 27]
MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) [24, 28]
LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [30]
LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [30]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
MT=Factory Installed Mesh Top
TH=Tool-less Door Hardware
LCF=Light Square Trim Plate Painted to Match Housing [31]
HSS=Factory Installed House Side Shield [32]
CE=CE Marking [33]

Accessories (Order Separately)

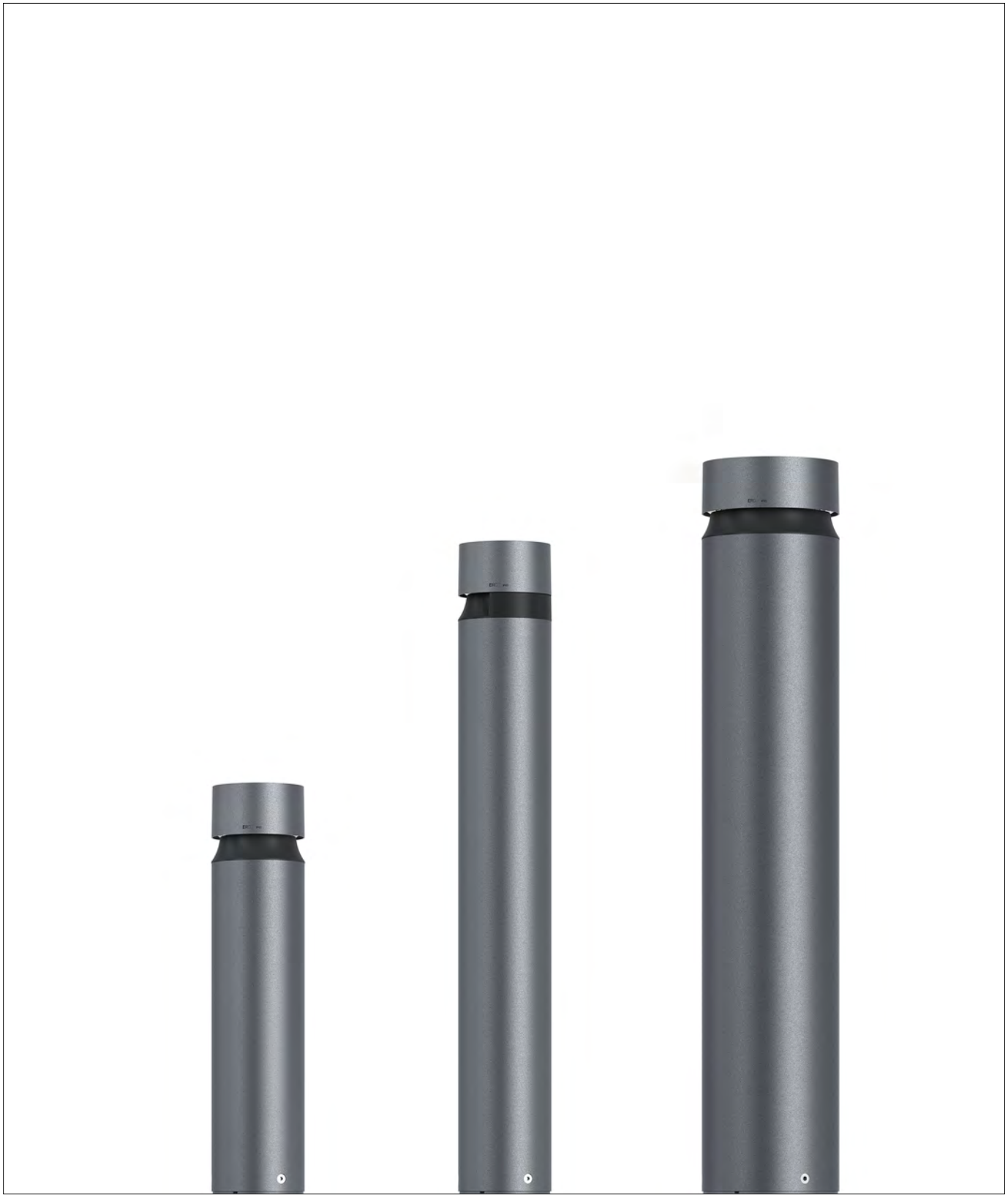
OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V
OA/RA1027=NEMA Photocontrol - 480V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=120V Photocontrol
MA1252=10kV Surge Module Replacement
MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1037-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
MA1197-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1188-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1189-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1190-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon
MA1191-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon
MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1039-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1192-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon
MA1193-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1194-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon
MA1195-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [24]
GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares
GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares
GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares
GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares
GLEON-QM=Quick Mount Arm Kit [11]
GLEON-QMEA=Quick Mount Extended Arm Kit [12]
LS/HSS=Field Installed House Side Shield [32, 34]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin) [35]

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares. **13** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **14** Extended lead times apply. Use dedicated IES files for 2700K, 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Approximately 22' detection diameter at 8' mounting height. **26** Approximately 40' detection diameter at 20' mounting height. **27** Approximately 60' detection diameter at 40' mounting height. **28** Approximately 100' detection diameter at 40' mounting height. **29** Replace X with number of Light Squares operating in low output mode. **30** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **31** Not available with house side shield (HSS). **32** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **33** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **34** One required for each Light Square. **35** Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CLICK HERE	**D**=Dome Camera, Standard **H**=Dome Camera, Hi-Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility.

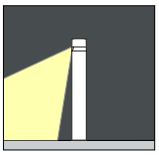


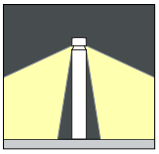
The magic of light

A lighting tool for pathways and squares

The Castor bollard luminaire visually connects paths and squares outdoors: two light distributions and three construction sizes enable nuanced lighting designs with a single luminaire range. Its innovative optical system with ring-shaped lens creates either light distribution aligned at 180° to one side for paths, or 360° light distribution for open areas. The Castor lighting technology is designed for uniform illumination in both of these applications. Luminaire spacing of up to 33 feet (10m) is possible without compromises in terms of glare control. ERCO Dark Sky technology prevents emission of light above the horizontal. Good visual conditions for passers-by and vehicle drivers is ensured thanks to the concealed optic.

Washlighting
Wide-beam illumination of pathways and open areas.





Floor washlights
Washlighting with wide beam, asymmetrical and rotationally symmetrical light distribution for the illumination of pathways or squares.

LED module
8W - 24W
840lm - 3300lm

Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website. The direct links for quick access always take the same form:

www.erco.com/<article number>

1 ERCO light guiding ring
- Made of optical polymer

2 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Anti-glare cone
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated and black lacquered.
- Glare-free above the light aperture

4 Upper cover
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Graphit m, double powder-coated

5 Bollard
- Graphit m
- Corrosion-resistant aluminum profile, No-Rinse surface treatment
- Double powder-coated
- Optimized surface for reduced accumulation of dirt

6 Control gear
- 0-10V dimmable

7 Base plate
- For mounting on accessories
- Mounting accessories to be ordered separately

Suitable for wet locations (IP65)
Dust-proof and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 95 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colors

Please contact your ERCO consultant.

Special characteristics

Various construction sizes

Large luminaire spacing possible

ERCO high-power LEDs

Dark Sky technology

Different light colors

Excellent thermal management

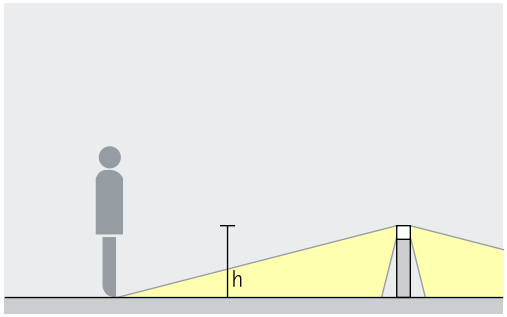
EMC-optimized

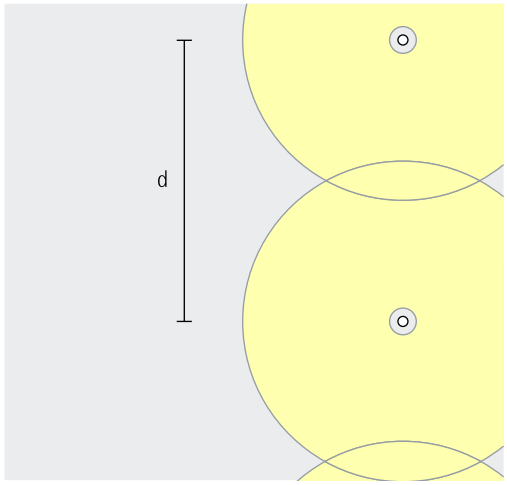
Wet location

Accessory for mounting variants

0–10V dimmable

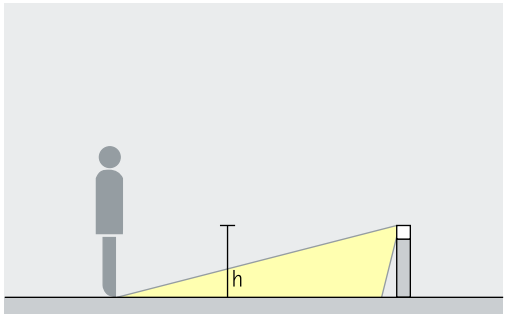
Floor washlights

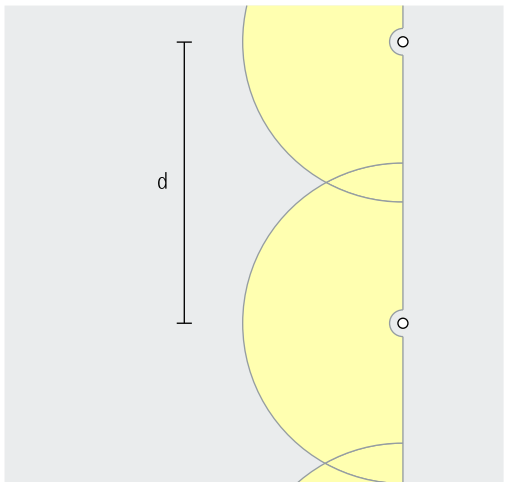




Washlighting
The 360° light emission of Castor bollard luminaires lends itself to the uniform illumination of squares and open areas. The spacing (d) between two luminaires (h ≥ 800 mm) may be up to 10m. Other distances can be selected to support optical guidance

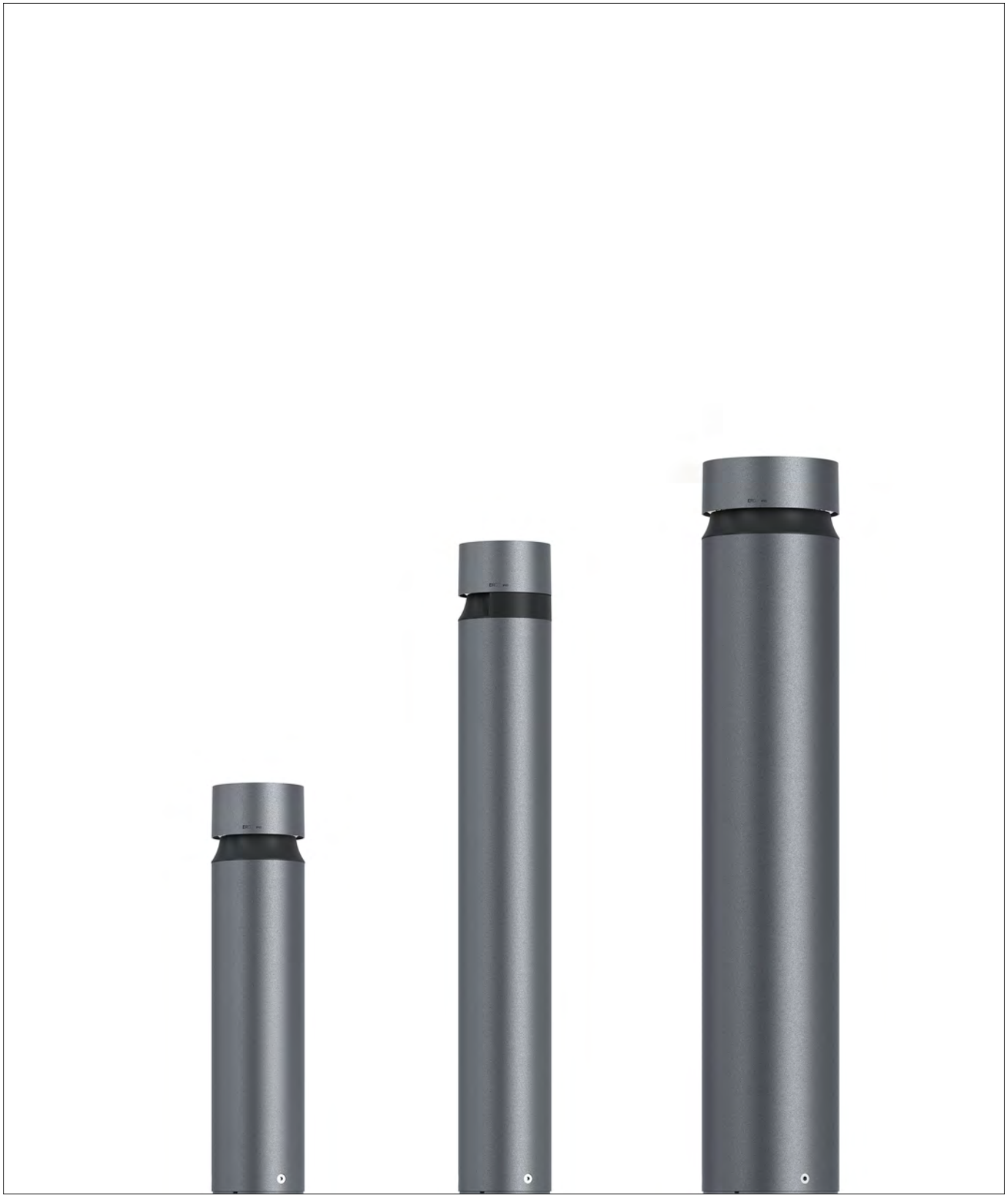
Arrangement: d ≤ 10m





Castor bollard luminaires with 180° wide light distribution (h ≥ 800 mm) enable uniform path lighting with luminaire spacings (d) of up to 8m. Other distances can be selected to support optical guidance.

Arrangement: d ≤ 8m



The magic of light

A lighting tool for pathways and squares

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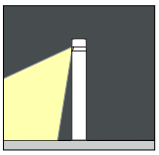
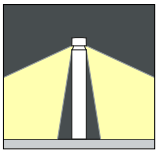
Washlighting
Wide-beam illumination of pathways and open areas.





Floor washlights
Washlighting with wide beam, asymmetrical and rotationally symmetrical light distribution for the illumination of pathways or squares.

LED module
8W - 24W
840lm - 3300lm

Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website. The direct links for quick access always take the same form:

www.erco.com/<article number>

1 ERCO light guiding ring
- Made of optical polymer

2 ERCO LED-module
- High-power LEDs: warm white (3000K) or neutral white (4000K)

3 Anti-glare cone
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated and black lacquered.
- Glare-free above the light aperture

4 Upper cover
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Graphit m, double powder-coated

5 Bollard
- Graphit m
- Corrosion-resistant aluminum profile, No-Rinse surface treatment
- Double powder-coated
- Optimized surface for reduced accumulation of dirt

6 Control gear
- 0-10V dimmable

7 Base plate
- For mounting on accessories
- Mounting accessories to be ordered separately

Suitable for wet locations (IP65)
Dust-proof and water jet-proof

Variants on request
- High-power LEDs: 3000K CRI 95 or 2700K, 3500K, 4000K with CRI 92
- Housing: 10,000 further colors

Please contact your ERCO consultant.

Special characteristics

Various construction sizes

Large luminaire spacing possible

ERCO high-power LEDs

Dark Sky technology

Different light colors

Excellent thermal management

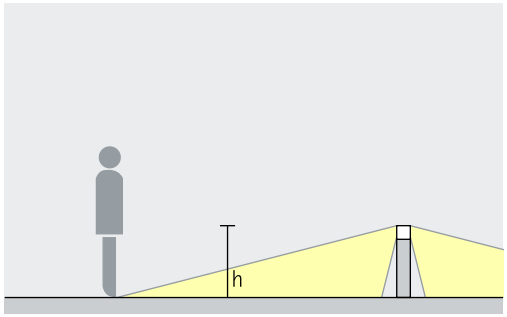
EMC-optimized

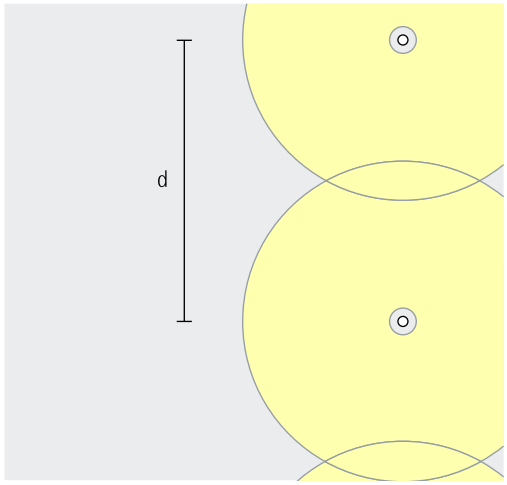
Wet location

Accessory for mounting variants

0–10V dimmable

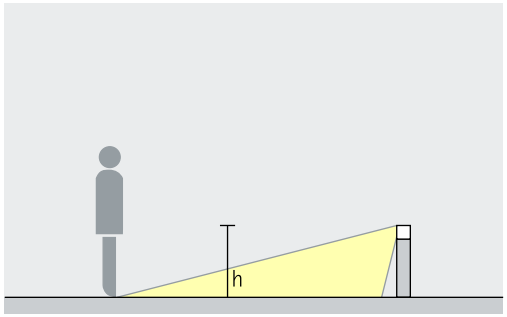
Floor washlights

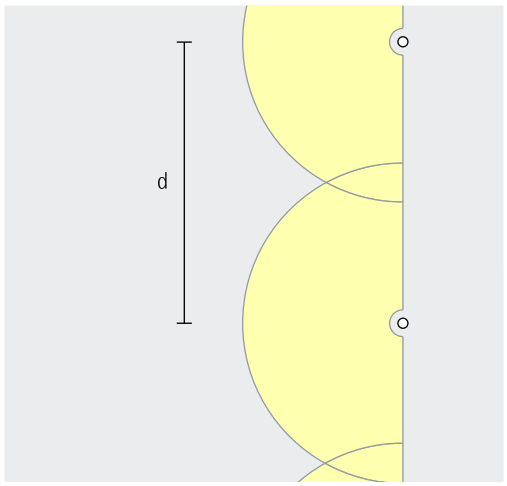




Washlighting
The 360° light emission of Castor bollard luminaires lends itself to the uniform illumination of squares and open areas. The spacing (d) between two luminaires (h ≥ 800 mm) may be up to 10m. Other distances can be selected to support optical guidance

Arrangement: d ≤ 10m





Castor bollard luminaires with 180° wide light distribution (h ≥ 800 mm) enable uniform path lighting with luminaire spacings (d) of up to 8m. Other distances can be selected to support optical guidance.

Arrangement: d ≤ 8m