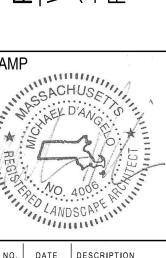


MICHAEL D'ANGELO ANDSCAPE ARCHITECTURE LL 840 SUMMER STREET SUITE 201A

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

CLIENT
BERKELEY PARTNERS
1 WASHINGTON MALL, SUITE 701
BOSTON, MA

REHOUSE / INDUSTRIAL DEV) / 200 FINANCIAL PARK ANKLIN, MA



NO. DATE DESCRIPTION

5/11/23 FOR PERMIT

7/17/23 RESPONSE TO COMMENTS

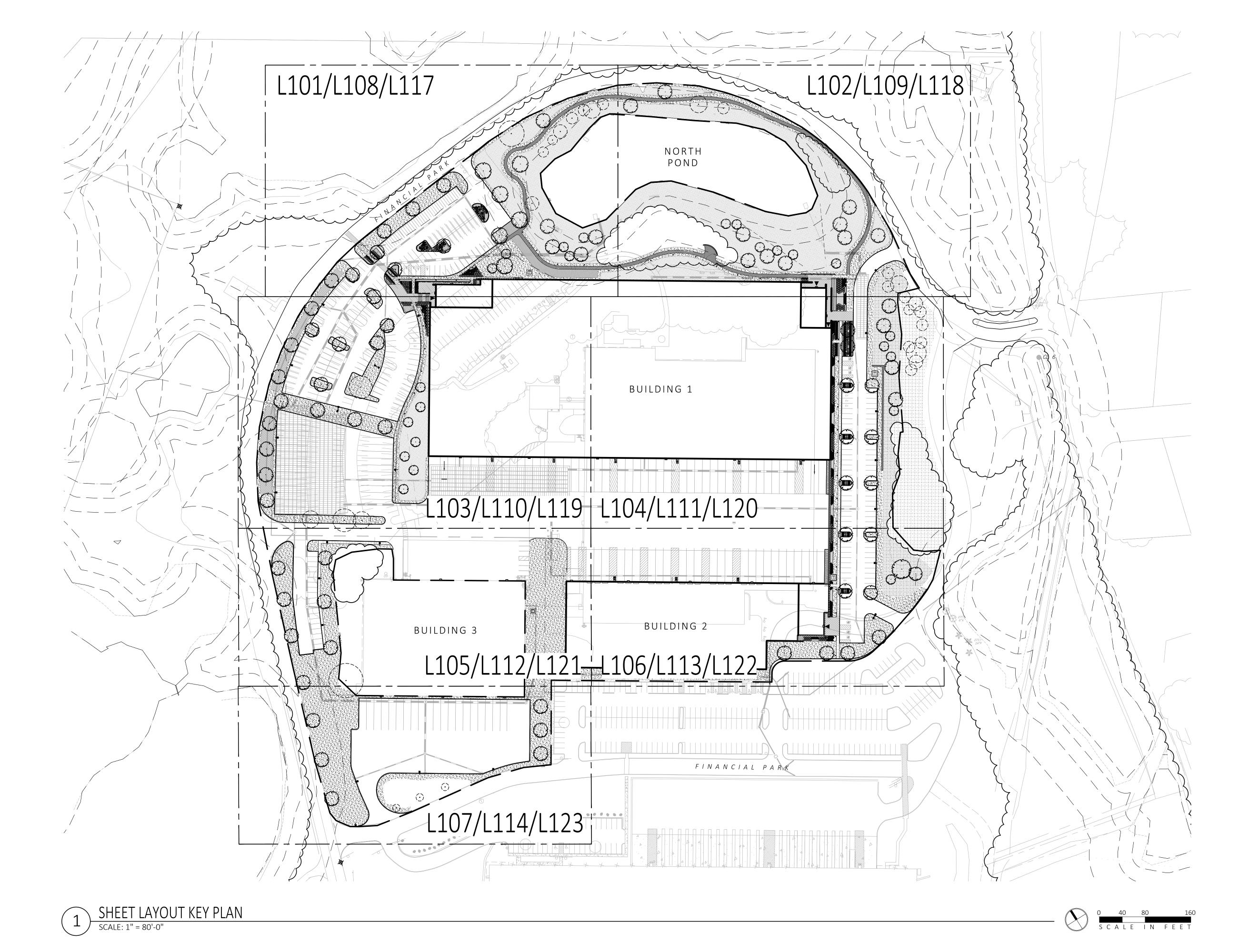
8/10/23 RESPONSE TO COMMENTS

8/25/23 RESPONSE TO COMMENTS

KEY PLAN

DRAWN:
NC
CHECKED:
AS NOTED
SCALE:
AS NOTED
DATE:
5/11/2023

SHEET 01 OF 24



1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING NEW CONSTRUCTION.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT (LA) AND RECORDED ON RECORD DRAWINGS.

3. CONTRACTOR SHALL NOTIFY THE LA OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS. CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION

5. THE CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING

CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER.

6. EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN SHALL BE PROTECTED FROM

DAMAGE. ANY DAMAGE TO EXISTING SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED AT NO COST TO THE OWNER.

7. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL,

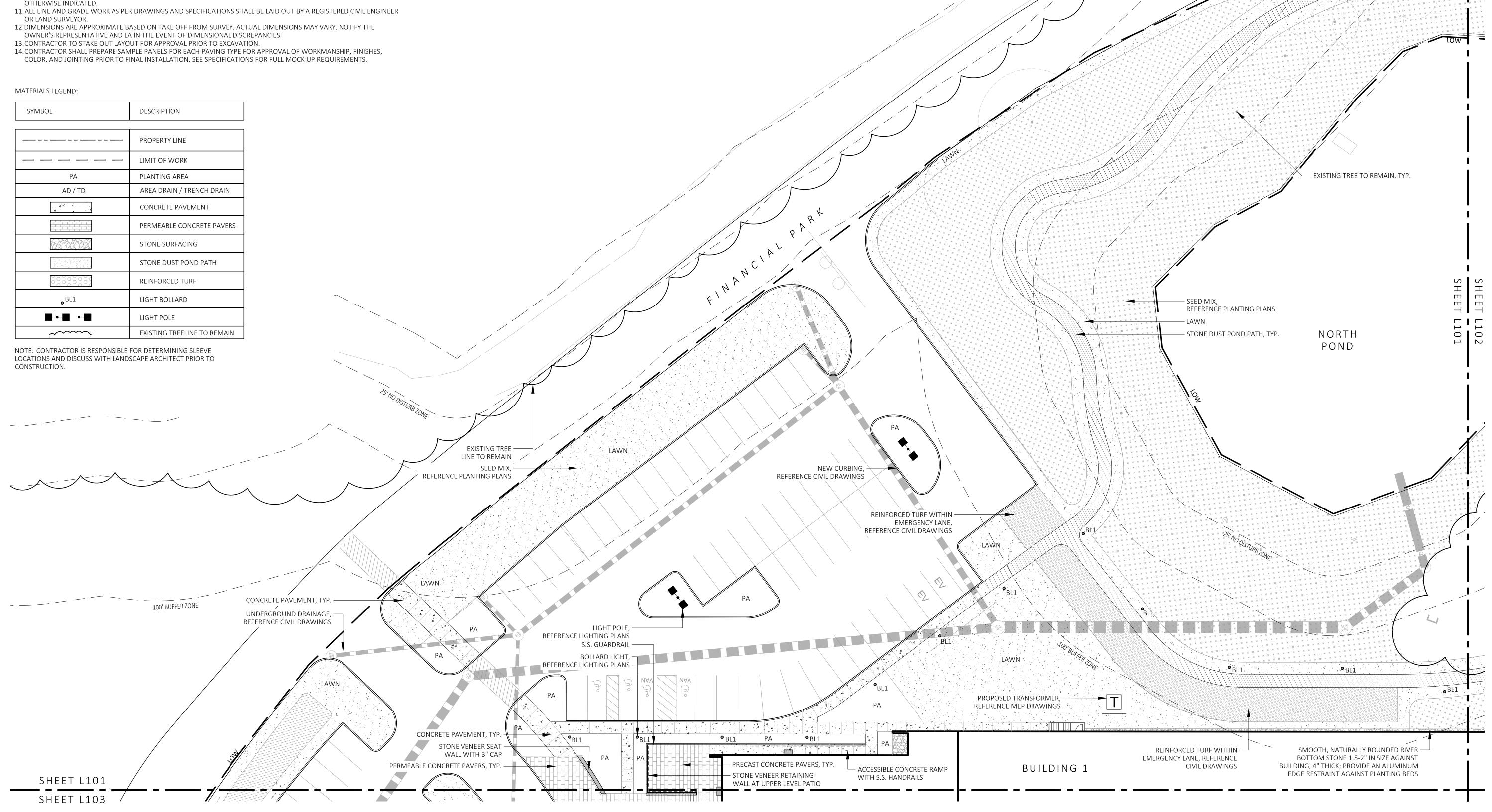
STATE, AND LOCAL AGENCIES.

8. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH CITY OFFICIALS.

AT NO ADDITIONAL COST TO THE OWNER.

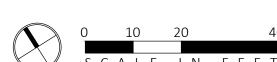
9. MICHAEL D'ANGELO LANDSCAPE ARCHITECTURE LLC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS AND SURVEY INFORMATION.

10. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS



1) MATERIALS PLAN

SCALE: 1" = 20'-0"



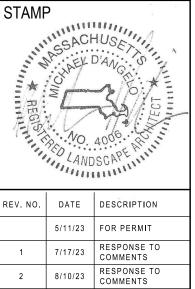
MCHAEL D'ANGELO Jandscape architecture

MICHAEL D'ANGELO
NDSCAPE ARCHITECTURE L

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

ENT KELEY PARTNERS ASHINGTON MALL, SUITE TON. MA

PROJECT
WAREHOUSE / INDUSTRIAL D
100 / 200 FINANCIAL PARK
FRANKLIN, MA



3 8/25/23 RESPONSE TO COMMENTS

M A T E R I A L S P L A N

DRAWN:
NC
CHECKED:
AS NOTED
SCALE:
AS NOTED
DATE:
5/11/2023

SHEET 02 OF 24



MICHAEL D'ANGELO ANDSCAPE ARCHITECTURE LLO

> 840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

RS 1ALL, SUITE 701

CLIENT
BERKELEY PARTNER
1 WASHINGTON MA
BOSTON, MA

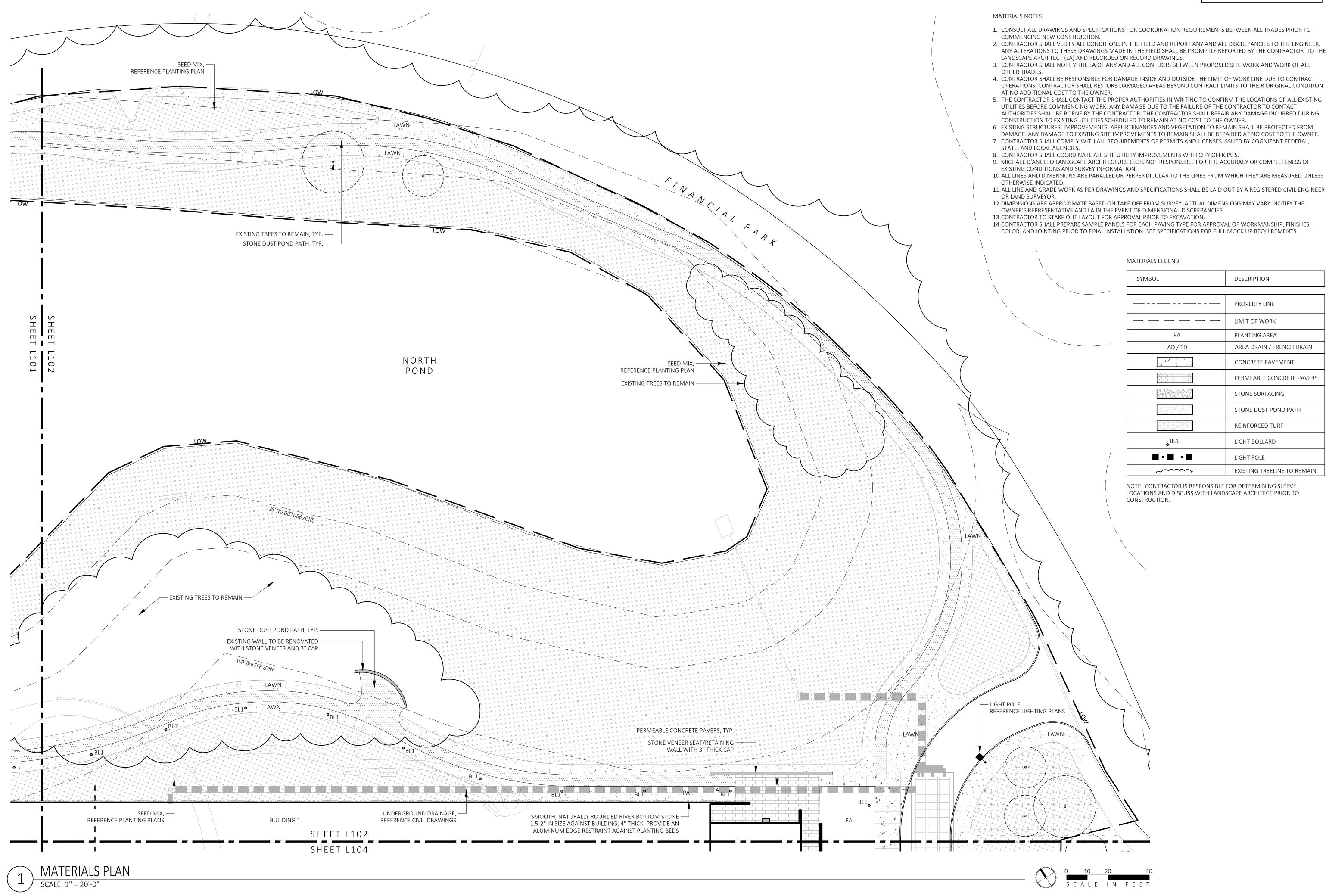
/AREHOUSE / INDUSTRIAL 00 / 200 FINANCIAL PARK RANKLIN, MA

MATERIALS PLAN

DRAWN:
NC
CHECKED:
AS NOTED
SCALE:
AS NOTED
DATE:

L 1 0 2

SHEET 03 OF 24



0 \vdash S ARTNERS STON MALI 1A CLIENT
BERKELEY
1 WASHIN
BOSTON,

REV. NO. DATE DESCRIPTION 1 7/17/23 RESPONSE TO COMMENTS
2 8/10/23 RESPONSE TO COMMENTS

3 8/25/23 RESPONSE TO COMMENTS

MATERIALS PLAN

CHECKED: AS NOTED AS NOTED DATE:

SHEET 04 OF 24



MATERIALS NOTES: 1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO

COMMENCING NEW CONSTRUCTION. 2. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT (LA) AND RECORDED ON RECORD DRAWINGS.

3. CONTRACTOR SHALL NOTIFY THE LA OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL OTHER TRADES.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS. CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

5. THE CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER.

6. EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN SHALL BE PROTECTED FROM

DAMAGE. ANY DAMAGE TO EXISTING SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED AT NO COST TO THE OWNER. 7. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL,

STATE, AND LOCAL AGENCIES.

8. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH CITY OFFICIALS. 9. MICHAEL D'ANGELO LANDSCAPE ARCHITECTURE LLC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS AND SURVEY INFORMATION.

10. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

11. ALL LINE AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR.

12.DIMENSIONS ARE APPROXIMATE BASED ON TAKE OFF FROM SURVEY. ACTUAL DIMENSIONS MAY VARY. NOTIFY THE OWNER'S REPRESENTATIVE AND LA IN THE EVENT OF DIMENSIONAL DISCREPANCIES.

13. CONTRACTOR TO STAKE OUT LAYOUT FOR APPROVAL PRIOR TO EXCAVATION.

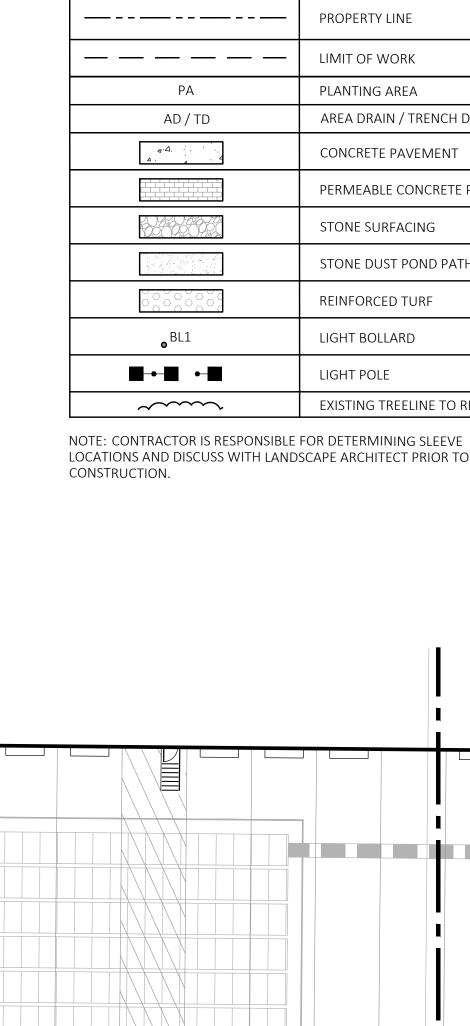
SHEET L103

SHEET L105

14. CONTRACTOR SHALL PREPARE SAMPLE PANELS FOR EACH PAVING TYPE FOR APPROVAL OF WORKMANSHIP, FINISHES, COLOR, AND JOINTING PRIOR TO FINAL INSTALLATION. SEE SPECIFICATIONS FOR FULL MOCK UP REQUIREMENTS.

MATERIALS LEGEND:

SYMBOL	DESCRIPTION
	PROPERTY LINE
	- LIMIT OF WORK
PA	PLANTING AREA
AD / TD	AREA DRAIN / TRENCH DRAIN
g-4.	CONCRETE PAVEMENT
	PERMEABLE CONCRETE PAVERS
	STONE SURFACING
是混合的复数的	STONE DUST POND PATH
000000	REINFORCED TURF
• BL1	LIGHT BOLLARD
	LIGHT POLE
~~~~	EXISTING TREELINE TO REMAIN



LAWN CONCRETE PAVEMENT, TYP. – LAWN LAWN - SMOOTH, NATURALLY ROUNDED RIVER BOTTOM STONE 1.5-2" IN SIZE AGAINST BUILDING, 4" THICK; PROVIDE AN EXISTING TREES — ALUMINUM EDGE RESTRAINT AGAINST PLANTING BEDS TO REMAIN, TYP. SEED MIX, REFERENCE PLANTING PLANS LOCATIONS AND DISCUSS WITH LANDSCAPE ARCHITECT PRIOR TO NEW CURBING, REFERENCE CIVIL DRAWINGS BUILDING 1 - UNDERGROUND DRAINAGE, REFERENCE CIVIL DRAWINGS UNDERGROUND DRAINAGE, LAWN EXISTING TREES —

EV

EV

REFERENCE CIVIL DRAWINGS

- UNDERGROUND DRAINAGE, REFERENCE CIVIL DRAWINGS STONE VENEER RETAINING WALL AT

PERMEABLE CONCRETE PAVERS UPPER

UPPER LEVEL PATIO

LEVEL WITH S.S. GUARDRAIL

- CAST-IN-PLACE CONCRETE STAIRS

– PERMEABLE CONCRETE PAVERS, TYP.

MATERIALS PLAN SCALE: 1" = 20'-0"

SHEET L101

SHEET L103

– EXISTING TREES TO REMAIN

SEED MIX, -

LIGHT POLE

REFERENCE PLANTING PLANS

REFERENCE LIGHTING PLANS

0

REV. NO. DATE DESCRIPTION 5/11/23 FOR PERMIT 1 7/17/23 RESPONSE TO COMMENTS
2 8/10/23 RESPONSE TO COMMENTS 3 8/25/23 RESPONSE TO COMMENTS

MATERIALS PLAN

CHECKED:
AS NOTED

SCALE:
AS NOTED

DATE:

SHEET 5 OF 24

1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING NEW CONSTRUCTION.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT (LA) AND RECORDED ON RECORD DRAWINGS.

3. CONTRACTOR SHALL NOTIFY THE LA OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS. CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

5. THE CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER.

6. EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE TO EXISTING SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED AT NO COST TO THE OWNER.

7. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL,

STATE, AND LOCAL AGENCIES. 8. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH CITY OFFICIALS.

9. MICHAEL D'ANGELO LANDSCAPE ARCHITECTURE LLC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS AND SURVEY INFORMATION.

10.ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS

OTHERWISE INDICATED. 11.ALL LINE AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER

OR LAND SURVEYOR. 12.DIMENSIONS ARE APPROXIMATE BASED ON TAKE OFF FROM SURVEY. ACTUAL DIMENSIONS MAY VARY. NOTIFY THE

OWNER'S REPRESENTATIVE AND LA IN THE EVENT OF DIMENSIONAL DISCREPANCIES. 13. CONTRACTOR TO STAKE OUT LAYOUT FOR APPROVAL PRIOR TO EXCAVATION.

14.CONTRACTOR SHALL PREPARE SAMPLE PANELS FOR EACH PAVING TYPE FOR APPROVAL OF WORKMANSHIP, FINISHES,

COLOR, AND JOINTING PRIOR TO FINAL INSTALLATION. SEE SPECIFICATIONS FOR FULL MOCK UP REQUIREMENTS.

UNDERGROUND DRAINAGE, —

REFERENCE LIGHTING PLANS

SHEET L104

SHEET L106

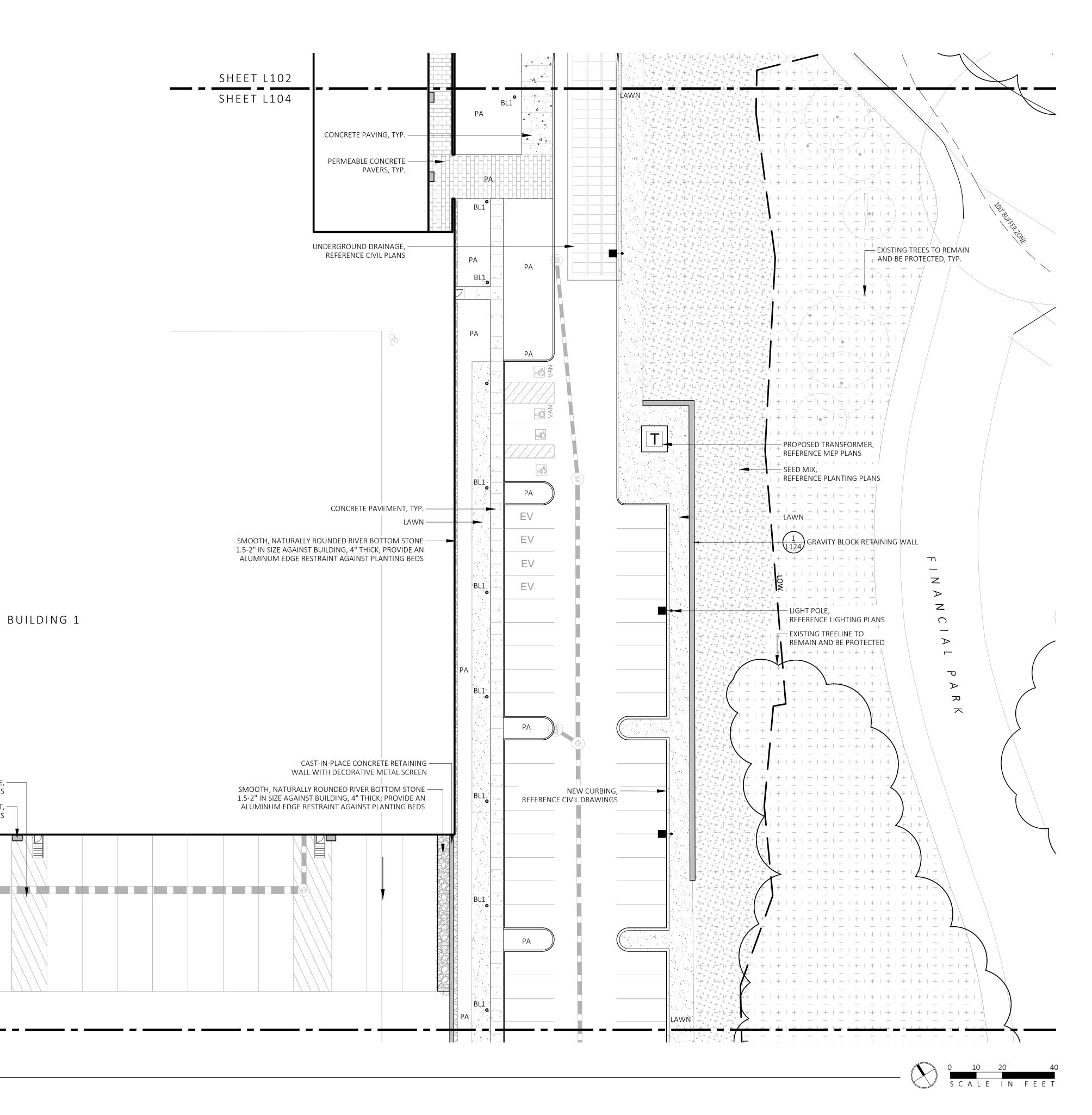
REFERENCE CIVIL PLANS

BUILDING LIGHT, -

## MATERIALS LEGEND:

SYMBOL	DESCRIPTION
	<u> </u>
	PROPERTY LINE
	LIMIT OF WORK
PA	PLANTING AREA
AD / TD	AREA DRAIN / TRENCH DRAIN
4.4.	CONCRETE PAVEMENT
	PERMEABLE CONCRETE PAVERS
	STONE SURFACING
	STONE DUST POND PATH
000000	REINFORCED TURF
• BL1	LIGHT BOLLARD
	LIGHT POLE
~~~~	EXISTING TREELINE TO REMAIN

NOTE: CONTRACTOR IS RESPONSIBLE FOR DETERMINING SLEEVE LOCATIONS AND DISCUSS WITH LANDSCAPE ARCHITECT PRIOR TO



MATERIALS PLAN

EET L104 EET L103

MATERIALS LEGEND:

1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO

COMMENCING NEW CONSTRUCTION. 2. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE

LANDSCAPE ARCHITECT (LA) AND RECORDED ON RECORD DRAWINGS. 3. CONTRACTOR SHALL NOTIFY THE LA OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS. CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

5. THE CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER.

6. EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE TO EXISTING SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED AT NO COST TO THE OWNER.

7. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL,

STATE, AND LOCAL AGENCIES. 8. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH CITY OFFICIALS.

9. MICHAEL D'ANGELO LANDSCAPE ARCHITECTURE LLC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS AND SURVEY INFORMATION.

10.ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

11. ALL LINE AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR.

12.DIMENSIONS ARE APPROXIMATE BASED ON TAKE OFF FROM SURVEY. ACTUAL DIMENSIONS MAY VARY. NOTIFY THE

OWNER'S REPRESENTATIVE AND LA IN THE EVENT OF DIMENSIONAL DISCREPANCIES. 13. CONTRACTOR TO STAKE OUT LAYOUT FOR APPROVAL PRIOR TO EXCAVATION.

14. CONTRACTOR SHALL PREPARE SAMPLE PANELS FOR EACH PAVING TYPE FOR APPROVAL OF WORKMANSHIP, FINISHES, COLOR, AND JOINTING PRIOR TO FINAL INSTALLATION. SEE SPECIFICATIONS FOR FULL MOCK UP REQUIREMENTS.

SYMBOL	DESCRIPTION
	PROPERTY LINE
	LIMIT OF WORK
PA	PLANTING AREA
AD / TD	AREA DRAIN / TRENCH DRAIN
4·4. · · · · · · · · · · · · · · · · · ·	CONCRETE PAVEMENT
	PERMEABLE CONCRETE PAVERS
	STONE SURFACING
	STONE DUST POND PATH
000000	REINFORCED TURF
• BL1	LIGHT BOLLARD
	LIGHT POLE

NOTE: CONTRACTOR IS RESPONSIBLE FOR DETERMINING SLEEVE LOCATIONS AND DISCUSS WITH LANDSCAPE ARCHITECT PRIOR TO

EXISTING TREELINE TO REMAIN

CONSTRUCTION.

~~~~

SHEET L103 SHEET L105 UNDERGROUND DRAINAGE, REFERENCE CIVIL PLANS LAWN - EXISTING CONCRETE STAIR — EXISTING TREES TO REMAIN – AND LANDING TO REMAIN AND BE PROTECTED BUILDING LIGHT, -REFERENCE LIGHTING PLANS PROPOSED TRANSFORMER, REFERENCE MEP PLANS — CONCRETE PAVEMENT, TYP. UNDERGROUND DRAINAGE, REFERENCE CIVIL PLANS BUILDING 2 – LIGHT POLE, REFERENCE LIGHTING PLANS NEW CURBING, -REFERENCE CIVIL DRAWINGS BUILDING 3 - EXISTING TREES TO REMAIN AND BE PROTECTED, TYP. SHEET L105 SHEET L107

**FOR PERMIT ONLY** 

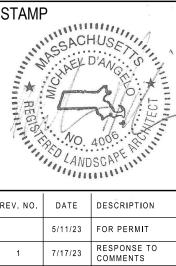
NOT FOR CONSTRUCTION

MICHAEL D'ANGELO

840 SUMMER STREET SUITE 201A

BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com 0

S CLIEN BERKE 1 WAS BOST



1 7/17/23 RESPONSE TO COMMENTS
2 8/10/23 RESPONSE TO COMMENTS 3 8/25/23 RESPONSE TO COMMENTS

MATERIALS PLAN

CHECKED: AS NOTED SCALE: L105 AS NOTED
DATE:

SHEET 6 OF 24

0

PLAN

3 8/25/23 RESPONSE TO COMMENTS

L106

SHEET 7 OF 24 plot date: 8/25/2023

1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING NEW CONSTRUCTION.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT (LA) AND RECORDED ON RECORD DRAWINGS.

3. CONTRACTOR SHALL NOTIFY THE LA OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS. CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

5. THE CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER.

6. EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE TO EXISTING SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED AT NO COST TO THE OWNER.

7. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL, STATE, AND LOCAL AGENCIES.

8. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH CITY OFFICIALS.

9. MICHAEL D'ANGELO LANDSCAPE ARCHITECTURE LLC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS AND SURVEY INFORMATION.

10.ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

11. ALL LINE AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR.

12.DIMENSIONS ARE APPROXIMATE BASED ON TAKE OFF FROM SURVEY. ACTUAL DIMENSIONS MAY VARY. NOTIFY THE

OWNER'S REPRESENTATIVE AND LA IN THE EVENT OF DIMENSIONAL DISCREPANCIES.

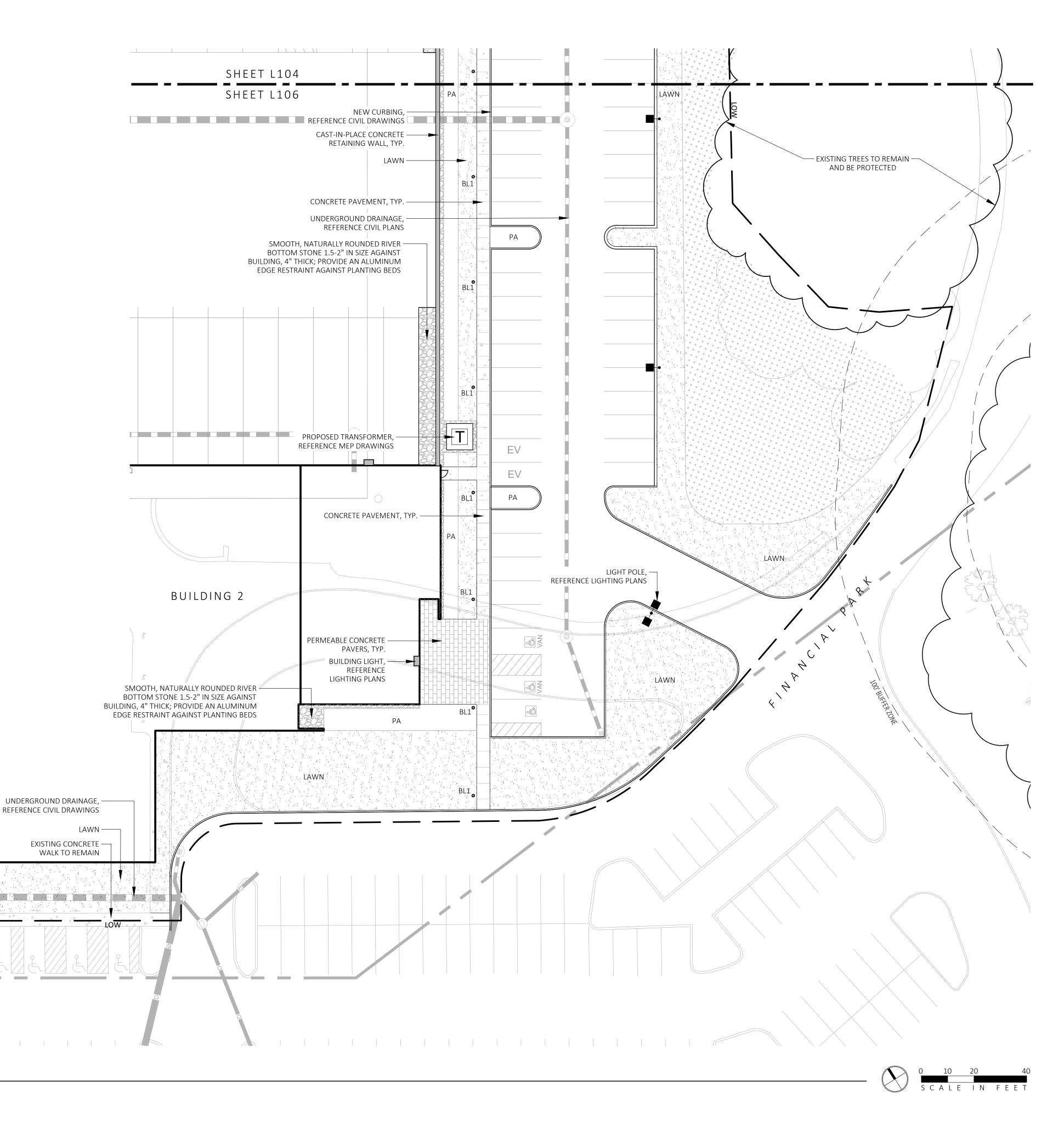
13.CONTRACTOR TO STAKE OUT LAYOUT FOR APPROVAL PRIOR TO EXCAVATION. 14. CONTRACTOR SHALL PREPARE SAMPLE PANELS FOR EACH PAVING TYPE FOR APPROVAL OF WORKMANSHIP, FINISHES,

COLOR, AND JOINTING PRIOR TO FINAL INSTALLATION. SEE SPECIFICATIONS FOR FULL MOCK UP REQUIREMENTS.

## MATERIALS LEGEND:

| SYMBOL | DESCRIPTION                 |
|--------|-----------------------------|
|        |                             |
|        | PROPERTY LINE               |
|        | · LIMIT OF WORK             |
| PA     | PLANTING AREA               |
| AD/TD  | AREA DRAIN / TRENCH DRAIN   |
| 4.4.   | CONCRETE PAVEMENT           |
|        | PERMEABLE CONCRETE PAVERS   |
|        | STONE SURFACING             |
|        | STONE DUST POND PATH        |
| 000000 | REINFORCED TURF             |
| • BL1  | LIGHT BOLLARD               |
|        | LIGHT POLE                  |
| ~~~~   | EXISTING TREELINE TO REMAIN |

NOTE: CONTRACTOR IS RESPONSIBLE FOR DETERMINING SLEEVE LOCATIONS AND DISCUSS WITH LANDSCAPE ARCHITECT PRIOR TO



10 10

MATERIALS LEGEND:

1. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BETWEEN ALL TRADES PRIOR TO COMMENCING NEW CONSTRUCTION.

2. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD SHALL BE PROMPTLY REPORTED BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT (LA) AND RECORDED ON RECORD DRAWINGS.

3. CONTRACTOR SHALL NOTIFY THE LA OF ANY AND ALL CONFLICTS BETWEEN PROPOSED SITE WORK AND WORK OF ALL

4. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK LINE DUE TO CONTRACT OPERATIONS. CONTRACTOR SHALL RESTORE DAMAGED AREAS BEYOND CONTRACT LIMITS TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.

5. THE CONTRACTOR SHALL CONTACT THE PROPER AUTHORITIES IN WRITING TO CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO THE FAILURE OF THE CONTRACTOR TO CONTACT AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE INCURRED DURING

CONSTRUCTION TO EXISTING UTILITIES SCHEDULED TO REMAIN AT NO COST TO THE OWNER. 6. EXISTING STRUCTURES, IMPROVEMENTS, APPURTENANCES AND VEGETATION TO REMAIN SHALL BE PROTECTED FROM DAMAGE. ANY DAMAGE TO EXISTING SITE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED AT NO COST TO THE OWNER.

7. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF PERMITS AND LICENSES ISSUED BY COGNIZANT FEDERAL,

STATE, AND LOCAL AGENCIES. 8. CONTRACTOR SHALL COORDINATE ALL SITE UTILITY IMPROVEMENTS WITH CITY OFFICIALS.

9. MICHAEL D'ANGELO LANDSCAPE ARCHITECTURE LLC IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF EXISTING CONDITIONS AND SURVEY INFORMATION.

10.ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

11. ALL LINE AND GRADE WORK AS PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR.

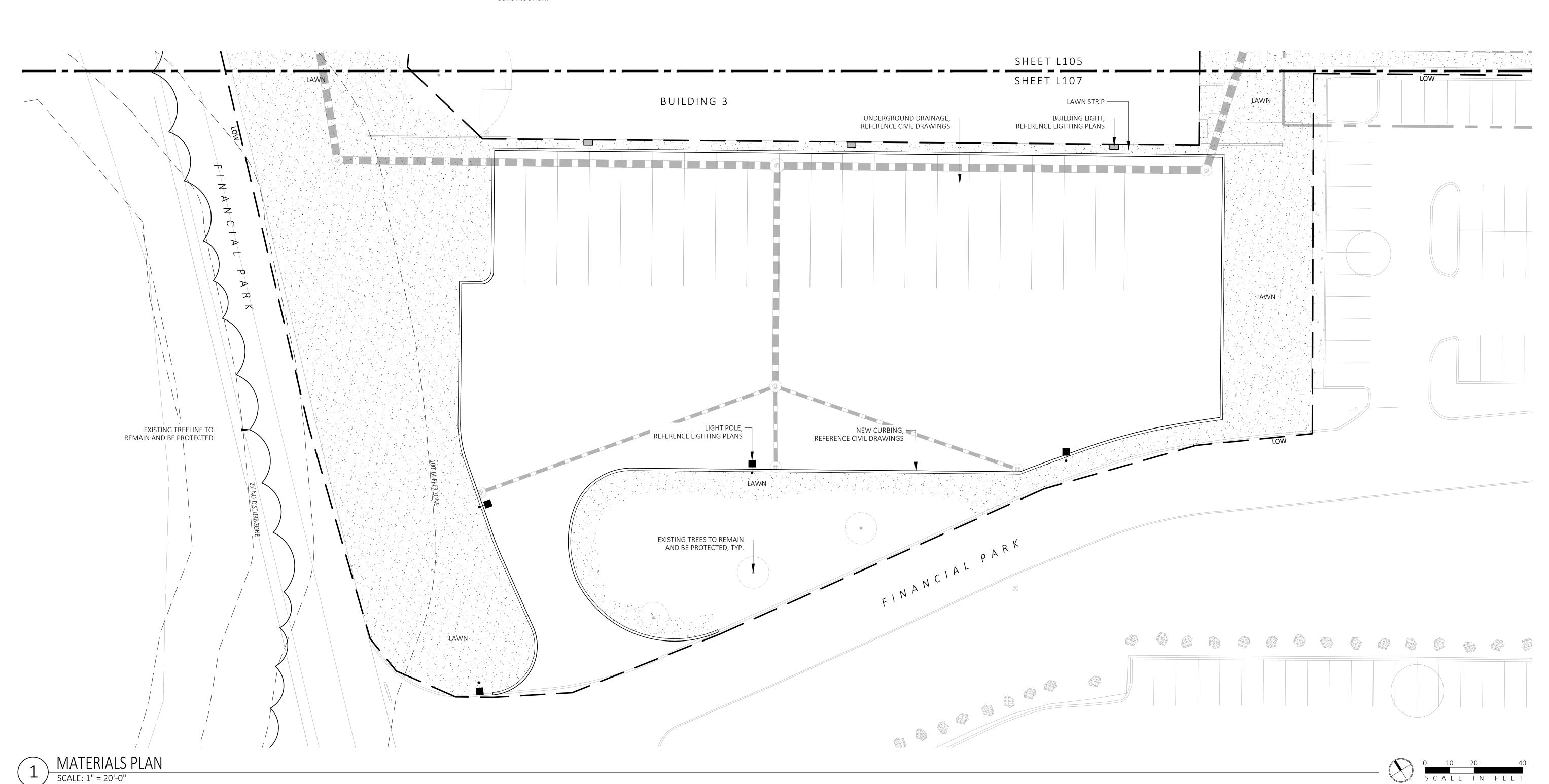
12.DIMENSIONS ARE APPROXIMATE BASED ON TAKE OFF FROM SURVEY. ACTUAL DIMENSIONS MAY VARY. NOTIFY THE

OWNER'S REPRESENTATIVE AND LA IN THE EVENT OF DIMENSIONAL DISCREPANCIES. 13. CONTRACTOR TO STAKE OUT LAYOUT FOR APPROVAL PRIOR TO EXCAVATION.

14. CONTRACTOR SHALL PREPARE SAMPLE PANELS FOR EACH PAVING TYPE FOR APPROVAL OF WORKMANSHIP, FINISHES, COLOR, AND JOINTING PRIOR TO FINAL INSTALLATION. SEE SPECIFICATIONS FOR FULL MOCK UP REQUIREMENTS.

| SYMBOL                                   | DESCRIPTION                 |
|------------------------------------------|-----------------------------|
|                                          | 1                           |
|                                          | PROPERTY LINE               |
|                                          | LIMIT OF WORK               |
| PA                                       | PLANTING AREA               |
| AD / TD                                  | AREA DRAIN / TRENCH DRAIN   |
| 4·4. · · · · · · · · · · · · · · · · · · | CONCRETE PAVEMENT           |
|                                          | PERMEABLE CONCRETE PAVERS   |
|                                          | STONE SURFACING             |
|                                          | STONE DUST POND PATH        |
| 000000                                   | REINFORCED TURF             |
| •BL1                                     | LIGHT BOLLARD               |
|                                          | LIGHT POLE                  |
| ~~~~                                     | EXISTING TREELINE TO REMAIN |

NOTE: CONTRACTOR IS RESPONSIBLE FOR DETERMINING SLEEVE LOCATIONS AND DISCUSS WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.



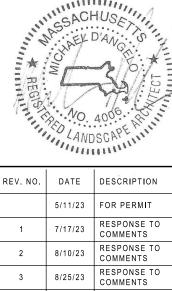
FOR PERMIT ONLY NOT FOR CONSTRUCTION

MICHAEL D'ANGELO

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788

www.m-d-l-a.com 0

S CLIEN BERKE 1 WAS BOST



MATERIALS PLAN

L107

OF 24

AICHAEL D'ANGELO landscape architectu

MICHAEL D'ANGELO

NDSCAPE ARCHITECTURE L

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

0

<u>LIENT</u> <u>ERKEL</u>EY PARTNERS WASHINGTON MALL, SUITE DSTON, MA

PROJECT
WAREHOUSE / INDUSTRIAL D
100 / 200 FINANCIAL PARK
FRANKLIN, MA

STAMP

SSACHUSE D'ANG ON A 15 DESCRIPTION

5/11/23 FOR PERMIT

1 7/17/23 RESPONSE TO COMMENTS

2 8/10/23 RESPONSE TO COMMENTS
3 8/25/23 RESPONSE TO COMMENTS

PLANTING & LIGHTING PLAN

DRAWN:
NC
CHECKED:
AS NOTED
SCALE:
AS NOTED
DATE:
5/11/2023

SHEET 9

SCALE: 1" = 20'-0"

PLANTING & LIGTHING PLAN

plot date: 8/25/2023

OF 24

B&B, MULTI-STEM

B&B, 6' CLEAR BRANCHING

B&B, 6' CLEAR BRANCHING

B&B. 6' CLEAR BRANCHING

B&B. MULTI-STEM

36" O.C. B&B

36" O.C. B&B

-3.5' TALL

36" O.C. B&B

36" O.C. B&B

36" O.C. B&B

24" O.C. CONTAINER

18" O.C. CONTAINER

18" O.C. CONTAINER

18" O.C. CONTAINER

SEE SPEC SHEET

APPLY COVER CROP; FALL:

GRAIN RYE, SPRING: OAT;

GRAIN RYE; SEE SPEC SHEET

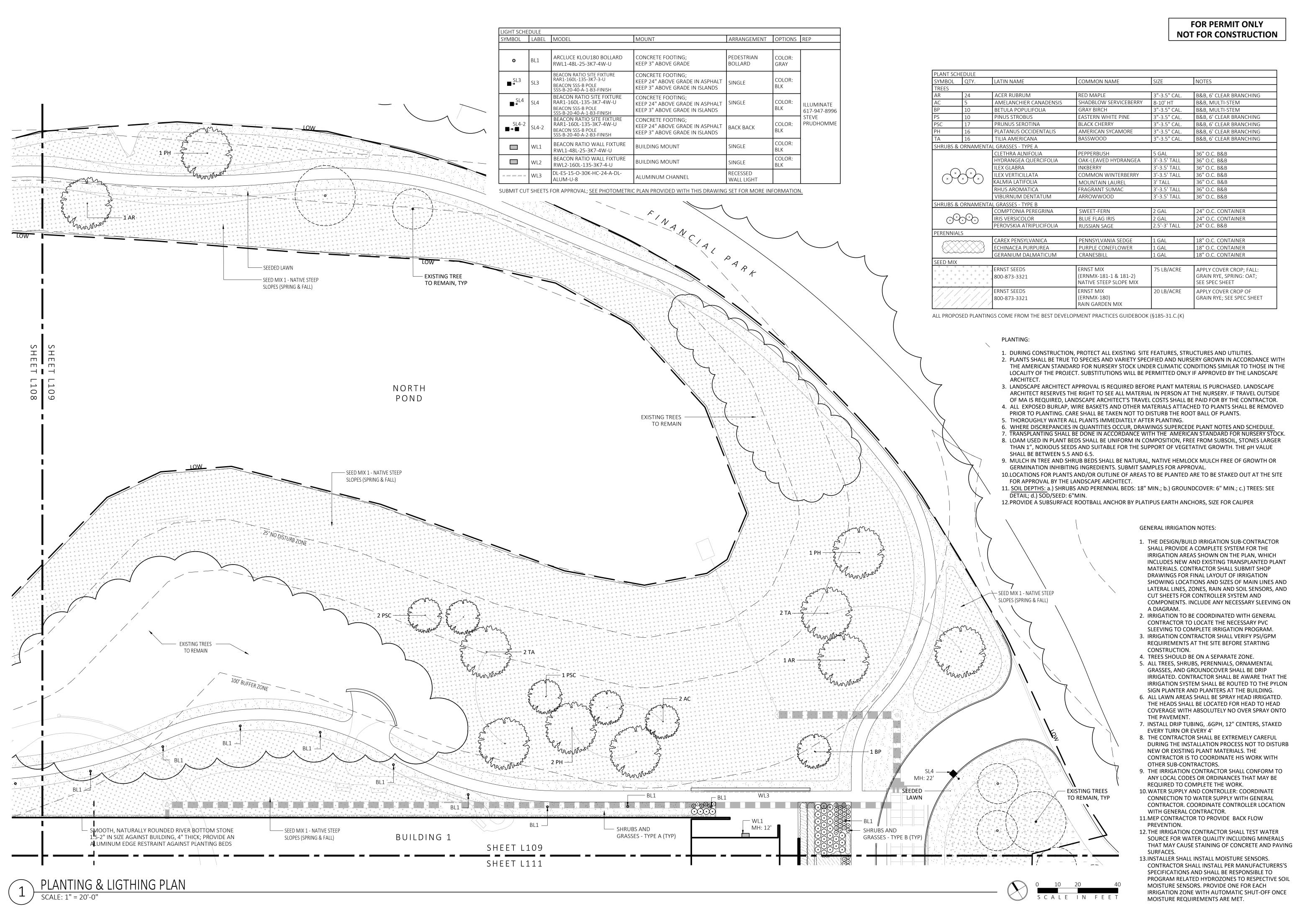
APPLY COVER CROP OF

PLANTING & LIGHTING

AS NOTED AS NOTED

L109

SHEET 10 OF 24



PLAN

840 SUMMER STREET

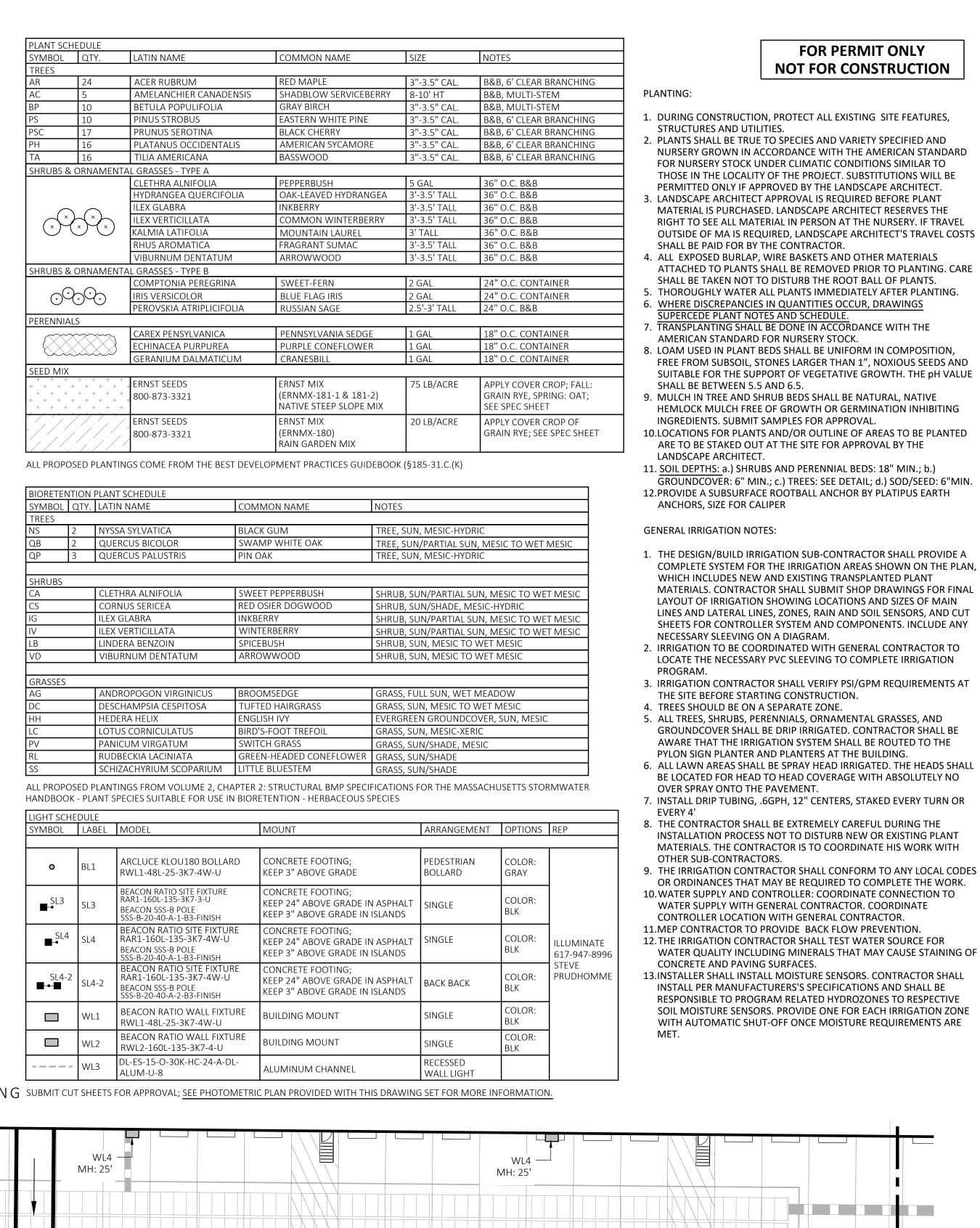
SUITE 201A

REV. NO. | DATE | DESCRIPTION

AS NOTED AS NOTED

SHEET 11 OF 24

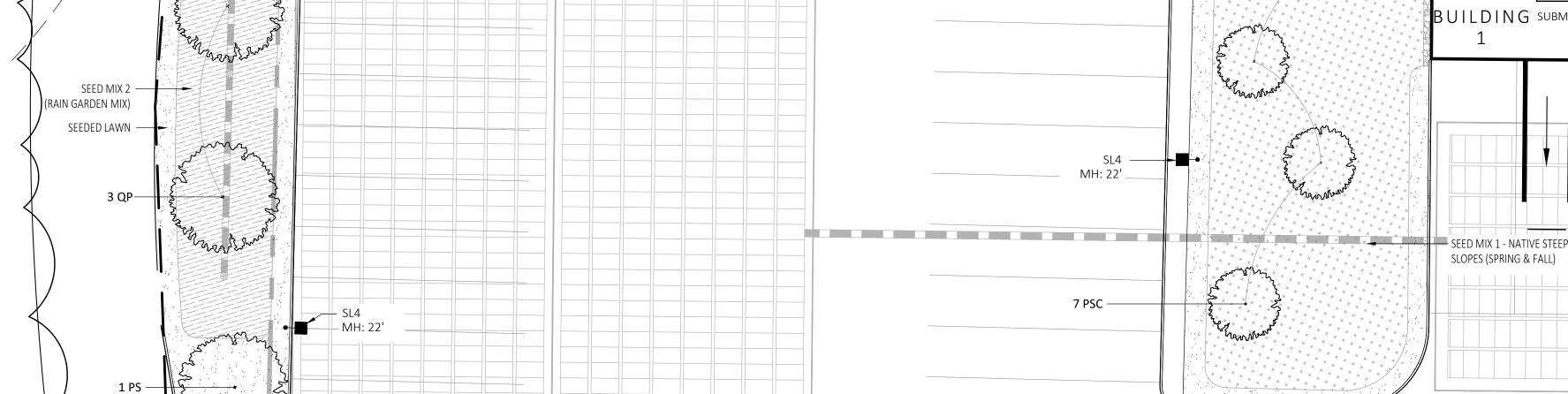
SCALE IN FEET



SHEET L110

SHEET L112

3  $\mathsf{U}$  |  $\mathsf{L}$   $\mathsf{D}$  |  $\mathsf{N}$   $\mathsf{G}$  | submit cut sheets for approval; <u>see</u> photometric plan provided with this drawing set for more information.



EXISTING TREES TO REMAIN

SEEDED LAWN —

MH: 22'

SHRUBS AND

SI4 =

BL1 -

EV

EV

BL1 ——

SMOOTH, NATURALLY -

STONE 1.5-2" IN SIZE

PLANTING BEDS

BL1

ROUNDED RIVER BOTTOM

PROVIDE AN ALUMINUM

EDGE RESTRAINT AGAINST

AGAINST BUILDING, 4" THICK;

MH: 22'

PERENNIALS AND -

GRASSES - TYPE B (TYP)

GROUND COVER (TYP)

MH: 22'

2 PH —

**EXISTING TREE** 

- SL4-2

TO REMAIN

MH: 22'

PLANTING & LIGTHING PLAN SCALE: 1" = 20'-0"

SHEET L108

SHEET L110

SEED MIX 2

SEEDED LAWN

(RAIN GARDEN MIX)

EXISTING TREES

 $\cap$ 

Ъ

 $\triangleright$ 

 $\mathcal{R}$ 

- EXISTING TREES

TO REMAIN

TO REMAIN

SEED MIX 1 - NATIVE STEEP

SLOPES (SPRING & FALL)

2 8/10/23 RESPONSE TO COMMENTS

3 8/25/23 RESPONSE TO COMMENTS

0

PLANTING & LIGHTING PLAN

AS NOTED AS NOTED DATE:

5/11/2023 SHEET 12 OF 24



VIBURNUM DENTATUM ARROWWOOD 3'-3.5' TALL 36" O.C. B&B SHRUBS & ORNAMENTAL GRASSES - TYPE B COMPTONIA PEREGRINA SWEET-FERN 24" O.C. CONTAINER IRIS VERSICOLOR BLUE FLAG IRIS 2 GAL 24" O.C. CONTAINER PEROVSKIA ATRIPLICIFOLIA 24" O.C. B&B RUSSIAN SAGE 2.5'-3' TALL PERENNIALS PENNSYLVANIA SEDGE 18" O.C. CONTAINER CAREX PENSYLVANICA CHINACEA PURPUREA PURPLE CONEFLOWER 18" O.C. CONTAINER GERANIUM DALMATICUM 18" O.C. CONTAINER EED MIX ERNST MIX 75 LB/ACRE APPLY COVER CROP; FALL: (ERNMX-181-1 & 181-2) GRAIN RYE, SPRING: OAT; 800-873-3321

NATIVE STEEP SLOPE MIX

ERNST MIX

(ERNMX-180)

RAIN GARDEN MIX

ALL PROPOSED PLANTINGS COME FROM THE BEST DEVELOPMENT PRACTICES GUIDEBOOK (§185-31.C.(K)

800-873-3321

| SYMBOL      | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                        |
|-------------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|----------------------------|
| STIVIDOL    | LYDEL | MODEL                                                                                                 | INCOM                                                                                  | AMMANGLIVILIVI         | 101 110113     | III                        |
| 0           | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                            |
| SL3<br>■•   | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                            |
| SL4<br>■•   | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-8996 |
| SL4-2<br>■■ | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | BACK BACK              | COLOR:<br>BLK  | STEVE<br>PRUDHOMME         |
|             | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                            |
|             | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                            |
|             | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                |                            |

SUBMIT CUT SHEETS FOR APPROVAL; SEE PHOTOMETRIC PLAN PROVIDED WITH THIS DRAWING SET FOR MORE INFORMATION.

# **GENERAL IRRIGATION NOTES:**

- 1. THE DESIGN/BUILD IRRIGATION SUB-CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM FOR THE IRRIGATION AREAS SHOWN ON THE PLAN, WHICH INCLUDES NEW AND EXISTING TRANSPLANTED
- PLANT MATERIALS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FINAL LAYOUT OF IRRIGATION SHOWING LOCATIONS AND SIZES OF MAIN LINES AND LATERAL LINES, ZONES, RAIN AND SOIL SENSORS, AND CUT SHEETS FOR CONTROLLER SYSTEM AND COMPONENTS. INCLUDE ANY NECESSARY SLEEVING ON A DIAGRAM.

SEE SPEC SHEET

APPLY COVER CROP OF

GRAIN RYE; SEE SPEC SHEET

20 LB/ACRE

- 2. IRRIGATION TO BE COORDINATED WITH GENERAL CONTRACTOR TO LOCATE THE NECESSARY PVC SLEEVING TO COMPLETE IRRIGATION PROGRAM.
- 3. IRRIGATION CONTRACTOR SHALL VERIFY PSI/GPM REQUIREMENTS AT THE SITE BEFORE STARTING CONSTRUCTION. 4. TREES SHOULD BE ON A SEPARATE ZONE.
- 5. ALL TREES, SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND GROUNDCOVER SHALL BE DRIP IRRIGATED. CONTRACTOR SHALL BE AWARE THAT THE IRRIGATION SYSTEM SHALL BE ROUTED TO THE PYLON SIGN PLANTER AND PLANTERS AT THE BUILDING.
- 6. ALL LAWN AREAS SHALL BE SPRAY HEAD IRRIGATED. THE HEADS SHALL BE LOCATED FOR HEAD TO HEAD COVERAGE WITH ABSOLUTELY NO OVER SPRAY ONTO THE PAVEMENT
- 7. INSTALL DRIP TUBING, .6GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4'
- 8. THE CONTRACTOR SHALL BE EXTREMELY CAREFUL DURING THE INSTALLATION PROCESS NOT TO DISTURB NEW OR EXISTING PLANT MATERIALS. THE CONTRACTOR IS TO COORDINATE HIS WORK WITH OTHER SUB-CONTRACTORS.
- 9. THE IRRIGATION CONTRACTOR SHALL CONFORM TO ANY LOCAL CODES OR ORDINANCES THAT MAY BE REQUIRED TO COMPLETE THE WORK. 10. WATER SUPPLY AND CONTROLLER: COORDINATE CONNECTION TO WATER SUPPLY WITH GENERAL CONTRACTOR. COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR.
- 11.MEP CONTRACTOR TO PROVIDE BACK FLOW PREVENTION.
- 12. THE IRRIGATION CONTRACTOR SHALL TEST WATER SOURCE FOR WATER QUALITY INCLUDING MINERALS THAT MAY CAUSE STAINING OF CONCRETE AND PAVING SURFACES. 13.INSTALLER SHALL INSTALL MOISTURE SENSORS. CONTRACTOR SHALL INSTALL PER MANUFACTURERS'S SPECIFICATIONS AND SHALL BE RESPONSIBLE TO PROGRAM RELATED HYDROZONES TO
- RESPECTIVE SOIL MOISTURE SENSORS. PROVIDE ONE FOR EACH IRRIGATION ZONE WITH AUTOMATIC SHUT-OFF ONCE MOISTURE REQUIREMENTS ARE MET.

PURCHASED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SEE ALL MATERIAL IN PERSON AT THE NURSERY. IF TRAVEL OUTSIDE OF MA IS REQUIRED, LANDSCAPE ARCHITECT'S TRAVEL COSTS SHALL BE PAID FOR BY THE CONTRACTOR. 4. ALL EXPOSED BURLAP, WIRE BASKETS AND OTHER MATERIALS ATTACHED TO PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO DISTURB THE ROOT BALL OF PLANTS. 5. THOROUGHLY WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. 6. WHERE DISCREPANCIES IN QUANTITIES OCCUR, DRAWINGS SUPERCEDE PLANT NOTES AND SCHEDULE.

PLANTING:

ARCHITECT.

1. DURING CONSTRUCTION, PROTECT ALL

2. PLANTS SHALL BE TRUE TO SPECIES AND

IN THE LOCALITY OF THE PROJECT.

IF APPROVED BY THE LANDSCAPE

3. LANDSCAPE ARCHITECT APPROVAL IS

REQUIRED BEFORE PLANT MATERIAL IS

IN ACCORDANCE WITH THE AMERICAN

STANDARD FOR NURSERY STOCK UNDER

SUBSTITUTIONS WILL BE PERMITTED ONLY

EXISTING SITE FEATURES, STRUCTURES AND

VARIETY SPECIFIED AND NURSERY GROWN

CLIMATIC CONDITIONS SIMILAR TO THOSE -

- 7. TRANSPLANTING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN
- STANDARD FOR NURSERY STOCK. 8. LOAM USED IN PLANT BEDS SHALL BE UNIFORM IN COMPOSITION, FREE FROM SUBSOIL, STONES LARGER THAN 1", NOXIOUS SEEDS AND SUITABLE FOR THE SUPPORT OF VEGETATIVE GROWTH. THE pH
- VALUE SHALL BE BETWEEN 5.5 AND 6.5. 9. MULCH IN TREE AND SHRUB BEDS SHALL BE NATURAL, NATIVE HEMLOCK MULCH FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS. SUBMIT SAMPLES FOR
- APPROVAL. 10.LOCATIONS FOR PLANTS AND/OR OUTLINE OF AREAS TO BE PLANTED ARE TO BE STAKED OUT AT THE SITE FOR APPROVAL BY
- THE LANDSCAPE ARCHITECT. 11. SOIL DEPTHS: a.) SHRUBS AND PERENNIAL BEDS: 18" MIN.; b.) GROUNDCOVER: 6" MIN.; c.) TREES: SEE DETAIL; d.) SOD/SEED:
- 6"MIN. 12.PROVIDE A SUBSURFACE ROOTBALL

ANCHOR BY PLATIPUS EARTH ANCHORS, SIZE FOR CALIPER

> SHRUBS AND -GRASSES - TYPE A (TYP) SHRUBS AND -GRASSES - TYPE B (TYP) PERENNIALS AND -GROUND COVER (TYP)

BUILDING 1

SMOOTH, NATURALLY ROUNDED RIVER BOTTOM STONE 1.5-2" IN SIZE AGAINST ALUMINUM EDGE RESTRAINT AGAINST

WL4 

> SHEET L111 SHEET L113

PLANTING & LIGTHING PLAN

SHEET L109

SHEET L111

MH: 12'

MH: 12'

BL1 -

BUILDING, 4" THICK; PROVIDE AN PLANTING BEDS

BUILDING, 4" THICK; PROVIDE AN

SMOOTH, NATURALLY ROUNDED RIVER -BOTTOM STONE 1.5-2" IN SIZE AGAINST ALUMINUM EDGE RESTRAINT AGAINST

PLANTING BEDS

 $\Box \backslash /$ 

MH: 22'

- BL1

MH: 22'

SEEDED -

LAWN -

3 TA —

ONLY IF APPROVED BY THE LANDSCAPE ARCHITECT. 3. LANDSCAPE ARCHITECT APPROVAL IS REQUIRED BEFORE PLANT MATERIAL IS PURCHASED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SEE ALL MATERIAL IN PERSON AT THE NURSERY. IF TRAVEL OUTSIDE OF MA IS REQUIRED, LANDSCAPE ARCHITECT'S TRAVEL COSTS SHALL BE PAID FOR BY THE CONTRACTOR.

4. ALL EXPOSED BURLAP, WIRE BASKETS AND OTHER MATERIALS ATTACHED TO PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO DISTURB THE ROOT BALL OF PLANTS.

5. THOROUGHLY WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. 6. WHERE DISCREPANCIES IN QUANTITIES OCCUR, DRAWINGS SUPERCEDE PLANT NOTES AND SCHEDULE

7. TRANSPLANTING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK.

8. LOAM USED IN PLANT BEDS SHALL BE UNIFORM IN COMPOSITION, FREE FROM SUBSOIL, STONES LARGER THAN 1", NOXIOUS SEEDS AND SUITABLE FOR THE SUPPORT OF VEGETATIVE GROWTH. THE pH VALUE

SHALL BE BETWEEN 5.5 AND 6.5. 9. MULCH IN TREE AND SHRUB BEDS SHALL BE NATURAL, NATIVE HEMLOCK MULCH FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS. SUBMIT SAMPLES FOR APPROVAL

10.LOCATIONS FOR PLANTS AND/OR OUTLINE OF AREAS TO BE PLANTED ARE TO BE STAKED OUT AT THE SITE FOR APPROVAL BY THE LANDSCAPE

11. SOIL DEPTHS: a.) SHRUBS AND PERENNIAL BEDS: 18" MIN.; b.) GROUNDCOVER: 6" MIN.; c.) TREES: SEE DETAIL; d.) SOD/SEED: 6"MIN.

12.PROVIDE A SUBSURFACE ROOTBALL ANCHOR BY PLATIPUS EARTH ANCHORS, SIZE FOR CALIPER

1. THE DESIGN/BUILD IRRIGATION SUB-CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM FOR THE IRRIGATION AREAS SHOWN ON THE PLAN, WHICH INCLUDES NEW AND EXISTING TRANSPLANTED PLANT MATERIALS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FINAL LAYOUT OF IRRIGATION SHOWING LOCATIONS AND SIZES OF MAIN LINES AND LATERAL LINES, ZONES, RAIN AND SOIL SENSORS, AND CUT SHEETS FOR CONTROLLER

SYSTEM AND COMPONENTS. INCLUDE ANY NECESSARY SLEEVING ON A DIAGRAM. 2. IRRIGATION TO BE COORDINATED WITH GENERAL CONTRACTOR TO LOCATE THE NECESSARY PVC SLEEVING TO COMPLETE IRRIGATION PROGRAM.

3. IRRIGATION CONTRACTOR SHALL VERIFY PSI/GPM REQUIREMENTS AT THE SITE BEFORE STARTING CONSTRUCTION.

4. TREES SHOULD BE ON A SEPARATE ZONE.

5. ALL TREES, SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND GROUNDCOVER SHALL BE DRIP IRRIGATED. CONTRACTOR SHALL BE AWARE THAT THE IRRIGATION SYSTEM SHALL BE ROUTED TO THE PYLON SIGN PLANTER AND PLANTERS AT THE BUILDING.

6. ALL LAWN AREAS SHALL BE SPRAY HEAD IRRIGATED. THE HEADS SHALL BE LOCATED FOR HEAD TO HEAD COVERAGE WITH ABSOLUTELY NO OVER SPRAY ONTO THE PAVEMENT. . INSTALL DRIP TUBING, .6GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4'

8. THE CONTRACTOR SHALL BE EXTREMELY CAREFUL DURING THE INSTALLATION PROCESS NOT TO DISTURB NEW OR EXISTING PLANT MATERIALS. THE CONTRACTOR IS TO

COORDINATE HIS WORK WITH OTHER SUB-CONTRACTORS. 9. THE IRRIGATION CONTRACTOR SHALL CONFORM TO ANY LOCAL CODES OR ORDINANCES

THAT MAY BE REQUIRED TO COMPLETE THE WORK. 10. WATER SUPPLY AND CONTROLLER: COORDINATE CONNECTION TO WATER SUPPLY WITH GENERAL CONTRACTOR. COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR.

11.MEP CONTRACTOR TO PROVIDE BACK FLOW PREVENTION.

12. THE IRRIGATION CONTRACTOR SHALL TEST WATER SOURCE FOR WATER QUALITY INCLUDING MINERALS THAT MAY CAUSE STAINING OF CONCRETE AND PAVING

13.INSTALLER SHALL INSTALL MOISTURE SENSORS. CONTRACTOR SHALL INSTALL PER MANUFACTURERS'S SPECIFICATIONS AND SHALL BE RESPONSIBLE TO PROGRAM RELATED HYDROZONES TO RESPECTIVE SOIL MOISTURE SENSORS. PROVIDE ONE FOR EACH IRRIGATION ZONE WITH AUTOMATIC SHUT-OFF ONCE MOISTURE REQUIREMENTS ARE

| I LANT SCI                  | ILDOLL                                           |                          |                       |              |                         |
|-----------------------------|--------------------------------------------------|--------------------------|-----------------------|--------------|-------------------------|
| SYMBOL                      | QTY.                                             | LATIN NAME               | COMMON NAME           | SIZE         | NOTES                   |
| TREES                       | •                                                |                          | •                     | •            | •                       |
| AR                          | 24                                               | ACER RUBRUM              | RED MAPLE             | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING |
| AC                          | 5                                                | AMELANCHIER CANADENSIS   | SHADBLOW SERVICEBERRY | 8-10' HT     | B&B, MULTI-STEM         |
| BP                          | 10                                               | BETULA POPULIFOLIA       | GRAY BIRCH            | 3"-3.5" CAL. | B&B, MULTI-STEM         |
| PS                          | 10                                               | PINUS STROBUS            | EASTERN WHITE PINE    | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING |
| PSC                         | 17                                               | PRUNUS SEROTINA          | BLACK CHERRY          | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING |
| PH                          | 16                                               | PLATANUS OCCIDENTALIS    | AMERICAN SYCAMORE     | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING |
| TA                          | 16                                               | TILIA AMERICANA          | BASSWOOD              | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING |
| SHRUBS &                    | ORNAMENTA                                        | AL GRASSES - TYPE A      |                       | •            | •                       |
|                             |                                                  | CLETHRA ALNIFOLIA        | PEPPERBUSH            | 5 GAL        | 36" O.C. B&B            |
|                             |                                                  | HYDRANGEA QUERCIFOLIA    | OAK-LEAVED HYDRANGEA  | 3'-3.5' TALL | 36" O.C. B&B            |
| $\times$                    |                                                  | ILEX GLABRA              | INKBERRY              | 3'-3.5' TALL | 36" O.C. B&B            |
| $(\times)$                  | ) (×)                                            | ILEX VERTICILLATA        | COMMON WINTERBERRY    | 3'-3.5' TALL | 36" O.C. B&B            |
| $(x)^{-1}$                  | $\overset{\circ}{\smile}\overset{\circ}{\smile}$ | KALMIA LATIFOLIA         | MOUNTAIN LAUREL       | 3' TALL      | 36" O.C. B&B            |
|                             |                                                  | RHUS AROMATICA           | FRAGRANT SUMAC        | 3'-3.5' TALL | 36" O.C. B&B            |
|                             |                                                  | VIBURNUM DENTATUM        | ARROWWOOD             | 3'-3.5' TALL | 36" O.C. B&B            |
| SHRUBS &                    | ORNAMENTA                                        | AL GRASSES - TYPE B      | •                     |              | •                       |
|                             | _                                                | COMPTONIA PEREGRINA      | SWEET-FERN            | 2 GAL        | 24" O.C. CONTAINER      |
| $\mathcal{L}_{\mathcal{L}}$ |                                                  | IRIS VERSICOLOR          | BLUE FLAG IRIS        | 2 GAL        | 24" O.C. CONTAINER      |
| $\circ$                     | $\circ$                                          | PEROVSKIA ATRIPLICIFOLIA | RUSSIAN SAGE          | 2.5'-3' TALL | 24" O.C. B&B            |
| PERENNIA                    | LS                                               |                          | •                     |              | •                       |
| ~~~                         |                                                  | CAREX PENSYLVANICA       | PENNSYLVANIA SEDGE    | 1 GAL        | 18" O.C. CONTAINER      |
|                             | $\times \times \times \rangle$                   | ECHINACEA PURPUREA       | PURPLE CONEFLOWER     | 1 GAL        | 18" O.C. CONTAINER      |
|                             |                                                  | GERANIUM DALMATICUM      | CRANESBILL            | 1 GAL        | 18" O.C. CONTAINER      |

ERNST MIX

(ERNMX-181-1 & 181-2)

NATIVE STEEP SLOPE MIX

ERNST SEEDS

800-873-3321

ERNST SEEDS

symbol label model ARRANGEMENT OPTIONS REP ARCLUCE KLOU180 BOLLARD CONCRETE FOOTING; PEDESTRIAN COLOR: RWL1-48L-25-3K7-4W-U KEEP 3" ABOVE GRADE BOLLARD BEACON RATIO SITE FIXTURE RAR1-160L-135-3K7-3-U CONCRETE FOOTING; COLOR: KEEP 24" ABOVE GRADE IN ASPHALT SINGLE BEACON SSS-B POLE SSS-B-20-40-A-1-B3-FINISH KEEP 3" ABOVE GRADE IN ISLANDS BEACON RATIO SITE FIXTURE COLOR: RAR1-160L-135-3K7-4W-U KEEP 24" ABOVE GRADE IN ASPHALT LLUMINATE BEACON SSS-B POLE SSS-B-20-40-A-1-B3-FINISH KEEP 3" ABOVE GRADE IN ISLANDS 617-947-8996 BEACON RATIO SITE FIXTURE RAR1-160L-135-3K7-4W-U CONCRETE FOOTING; KEEP 24" ABOVE GRADE IN ASPHALT BACK BACK COLOR: PRUDHOMME BEACON SSS-B POLE KEEP 3" ABOVE GRADE IN ISLANDS

SUBMIT CUT SHEETS FOR APPROVAL; SEE PHOTOMETRIC PLAN PROVIDED WITH THIS DRAWING SET FOR MORE INFORMATION.

BUILDING MOUNT

BUILDING MOUNT

LUMINUM CHANNEL

BEACON RATIO WALL FIXTURE

BEACON RATIO WALL FIXTURE

DL-ES-15-O-30K-HC-24-A-DL-

RWL1-48L-25-3K7-4W-U

RWL2-160L-135-3K7-4-U

ALUM-U-8

ERNST MIX 20 LB/ACRE APPLY COVER CROP OF GRAIN RYE; SEE SPEC SHEET (ERNMX-180)

75 LB/ACRE

APPLY COVER CROP; FALL:

GRAIN RYE, SPRING: OAT;

SHEET L114

SEE SPEC SHEET

800-873-3321 RAIN GARDEN MIX ALL PROPOSED PLANTINGS COME FROM THE BEST DEVELOPMENT PRACTICES GUIDEBOOK (§185-31.C.(K) SHEET L110 SHEET L112 MH: 22' MH: 22' SEEDED LAWN -WL4 MH: 25' EXISTING TREES TO REMAIN BUILDING 2 SEEDED LAWN BUILDING 3 **EXISTING TREE** TO REMAIN SHEET L112

**FOR PERMIT ONLY** 

NOT FOR CONSTRUCTION

COLOR:

COLOR:

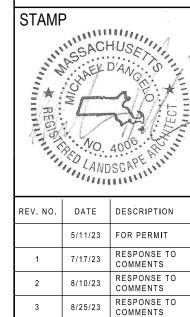
RECESSED

MICHAEL D'ANGELO NDSCAPE ARCHITECTURE L

> 840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

S الم |  $\forall \vdash \forall$ 

₹ ₹



PLANTING & LIGHTING

PLAN

CHECKED: AS NOTED SCALE: AS NOTED DATE:

SHEET 13 OF 24

0

0 8

AS NOTED

S C A L E I N F E E T

PLANT SCHEDULE SYMBOL QTY. LATIN NAME COMMON NAME SIZE NOTES ACER RUBRUM RED MAPLE B&B, 6' CLEAR BRANCHING SHADBLOW SERVICEBERRY 8&B, MULTI-STEM AMELANCHIER CANADENSIS BETULA POPULIFOLIA GRAY BIRCH &B. MULTI-STEM 3"-3.5" CAL. EASTERN WHITE PINE PINUS STROBUS B&B, 6' CLEAR BRANCHING 3"-3.5" CAL. PRUNUS SEROTINA BLACK CHERRY 3"-3.5" CAL. B&B, 6' CLEAR BRANCHING PLATANUS OCCIDENTALIS AMERICAN SYCAMORE 3"-3.5" CAL. B&B. 6' CLEAR BRANCHING BASSWOOD TILIA AMERICANA B&B, 6' CLEAR BRANCHING HRUBS & ORNAMENTAL GRASSES - TYPE A LETHRA ALNIFOLIA **PEPPERBUSH** 36" O.C. B&B OAK-LEAVED HYDRANGEA 3'-3.5' TALL YDRANGEA QUERCIFOLIA 36" O.C. B&B LEX GLABRA INKBERRY 3'-3.5' TALL 36" O.C. B&B EX VERTICILLATA COMMON WINTERBERRY 3'-3.5' TALL 36" O.C. B&B ALMIA LATIFOLIA 36" O.C. B&B MOUNTAIN LAUREL HUS AROMATICA FRAGRANT SUMAC 36" O.C. B&B VIBURNUM DENTATUM ARROWWOOD 3'-3.5' TALL 36" O.C. B&B HRUBS & ORNAMENTAL GRASSES - TYPE B COMPTONIA PEREGRINA SWEET-FERN 24" O.C. CONTAINER BLUE FLAG IRIS 24" O.C. CONTAINER RIS VERSICOLOR PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE 2.5'-3' TALL 24" O.C. B&B ERENNIALS PENNSYLVANIA SEDGE 18" O.C. CONTAINER CAREX PENSYLVANICA 18" O.C. CONTAINER CHINACEA PURPUREA PURPLE CONEFLOWER GERANIUM DALMATICUM CRANESBILL 1 GAL 18" O.C. CONTAINER SEED MIX ERNST MIX 75 LB/ACRE ERNST SEEDS APPLY COVER CROP; FALL: (ERNMX-181-1 & 181-2) GRAIN RYE, SPRING: OAT; 800-873-3321 NATIVE STEEP SLOPE MIX SEE SPEC SHEET ERNST MIX 20 LB/ACRE APPLY COVER CROP OF ERNST SEEDS (ERNMX-180) GRAIN RYE; SEE SPEC SHEET 800-873-3321

ALL PROPOSED PLANTINGS COME FROM THE BEST DEVELOPMENT PRACTICES GUIDEBOOK (§185-31.C.(K)

| SYMBOL | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                       |
|--------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|---------------------------|
| 0      | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                           |
| SL3    | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                           |
| SL4    | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-899 |
| SL4-2  | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | ВАСК ВАСК              | COLOR:<br>BLK  | STEVE<br>PRUDHOMM         |
|        | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|        | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|        | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                |                           |

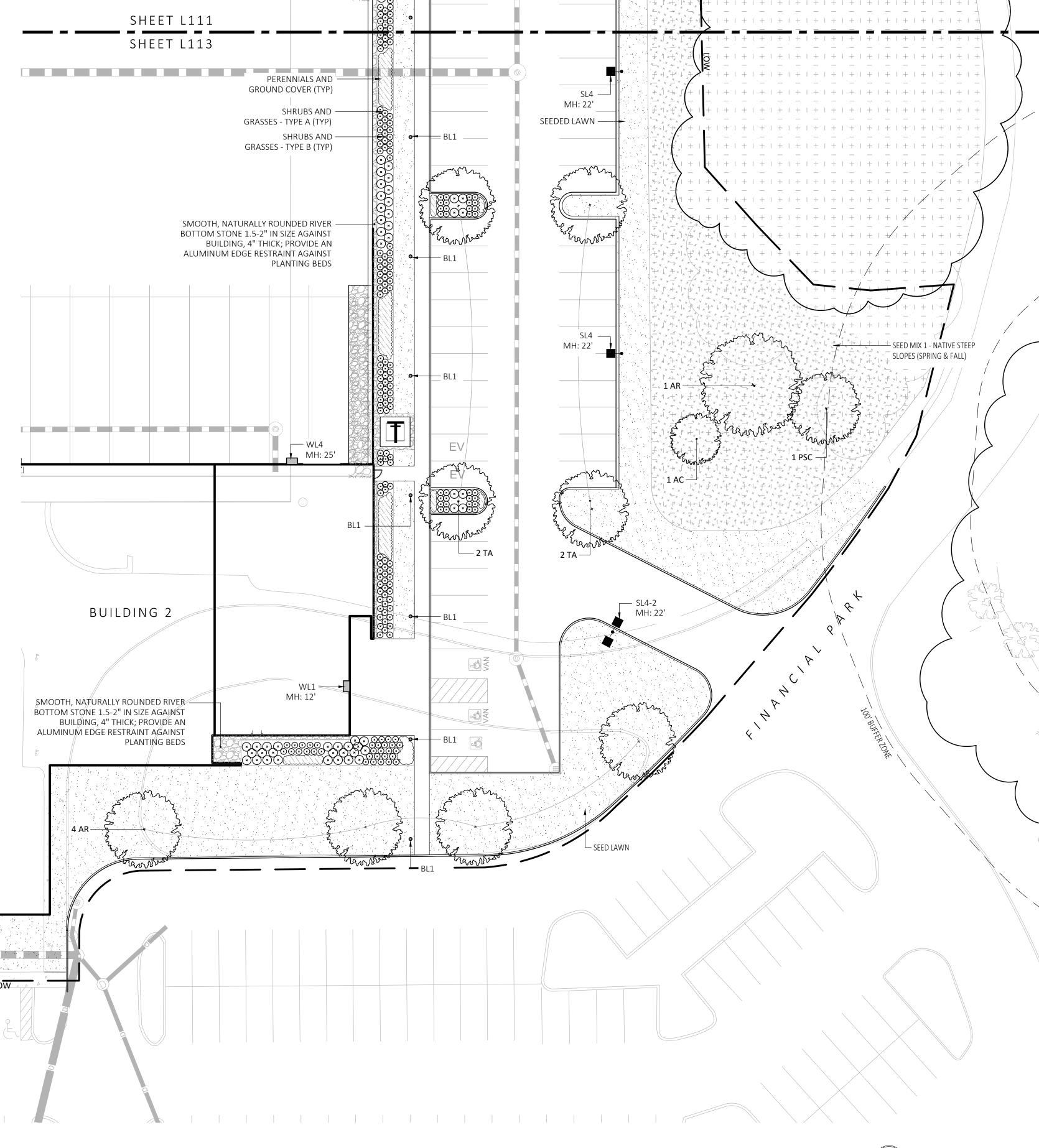
RAIN GARDEN MIX

## PLANTING:

- 1. DURING CONSTRUCTION, PROTECT ALL EXISTING SITE FEATURES, STRUCTURES AND UTILITIES.
- 2. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT. SUBSTITUTIONS WILL BE PERMITTED ONLY IF APPROVED BY THE LANDSCAPE ARCHITECT.
- 3. LANDSCAPE ARCHITECT APPROVAL IS REQUIRED BEFORE PLANT MATERIAL IS PURCHASED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SEE ALL MATERIAL IN PERSON AT THE NURSERY. IF TRAVEL OUTSIDE OF MA IS REQUIRED, LANDSCAPE ARCHITECT'S TRAVEL COSTS SHALL
- BE PAID FOR BY THE CONTRACTOR. 4. ALL EXPOSED BURLAP, WIRE BASKETS AND OTHER MATERIALS ATTACHED TO PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO DISTURB THE ROOT BALL OF
- 5. THOROUGHLY WATER ALL PLANTS IMMEDIATELY
- AFTER PLANTING. 6. WHERE DISCREPANCIES IN QUANTITIES OCCUR, DRAWINGS SUPERCEDE PLANT NOTES AND
- 7. TRANSPLANTING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK.
- 8. LOAM USED IN PLANT BEDS SHALL BE UNIFORM IN COMPOSITION, FREE FROM SUBSOIL, STONES LARGER THAN 1", NOXIOUS SEEDS AND SUITABLE FOR THE SUPPORT OF VEGETATIVE GROWTH. THE pH VALUE SHALL BE BETWEEN 5.5 AND 6.5.

9. MULCH IN TREE AND SHRUB BEDS SHALL BE

- NATURAL, NATIVE HEMLOCK MULCH FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS. SUBMIT SAMPLES FOR APPROVAL. 10.LOCATIONS FOR PLANTS AND/OR OUTLINE OF AREAS TO BE PLANTED ARE TO BE STAKED OUT AT THE SITE FOR APPROVAL BY THE LANDSCAPE
- ARCHITECT. 11. SOIL DEPTHS: a.) SHRUBS AND PERENNIAL BEDS: 18" MIN.; b.) GROUNDCOVER: 6" MIN.; c.) TREES:
- SEE DETAIL; d.) SOD/SEED: 6"MIN. 12.PROVIDE A SUBSURFACE ROOTBALL ANCHOR BY PLATIPUS EARTH ANCHORS, SIZE FOR CALIPER



# **GENERAL IRRIGATION NOTES:**

- 1. THE DESIGN/BUILD IRRIGATION SUB-CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM FOR THE IRRIGATION AREAS SHOWN ON THE PLAN, WHICH INCLUDES NEW AND EXISTING TRANSPLANTED PLANT MATERIALS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FINAL LAYOUT OF IRRIGATION SHOWING LOCATIONS AND SIZES OF MAIN LINES AND LATERAL LINES, ZONES, RAIN AND SOIL SENSORS, AND CUT SHEETS FOR CONTROLLER SYSTEM AND COMPONENTS. INCLUDE ANY NECESSARY SLEEVING ON A DIAGRAM.
- 2. IRRIGATION TO BE COORDINATED WITH GENERAL CONTRACTOR TO LOCATE THE NECESSARY PVC SLEEVING TO COMPLETE IRRIGATION PROGRAM.
- 3. IRRIGATION CONTRACTOR SHALL VERIFY PSI/GPM REQUIREMENTS AT THE SITE BEFORE STARTING CONSTRUCTION. 4. TREES SHOULD BE ON A SEPARATE ZONE.
- 5. ALL TREES, SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND GROUNDCOVER SHALL BE DRIP IRRIGATED. CONTRACTOR SHALL BE AWARE THAT THE IRRIGATION SYSTEM SHALL BE ROUTED TO THE PYLON SIGN PLANTER AND PLANTERS AT THE BUILDING.
- 6. ALL LAWN AREAS SHALL BE SPRAY HEAD IRRIGATED. THE HEADS SHALL BE LOCATED FOR HEAD TO HEAD COVERAGE WITH ABSOLUTELY NO OVER SPRAY ONTO THE PAVEMENT.
- 7. INSTALL DRIP TUBING, .6GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4'
- 8. THE CONTRACTOR SHALL BE EXTREMELY CAREFUL DURING THE INSTALLATION PROCESS NOT TO DISTURB NEW OR EXISTING PLANT MATERIALS. THE CONTRACTOR IS TO COORDINATE HIS WORK WITH OTHER SUB-CONTRACTORS.
- 9. THE IRRIGATION CONTRACTOR SHALL CONFORM TO ANY LOCAL CODES OR ORDINANCES THAT MAY BE REQUIRED TO COMPLETE THE WORK. 10. WATER SUPPLY AND CONTROLLER: COORDINATE CONNECTION TO WATER SUPPLY WITH GENERAL CONTRACTOR. COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR.
- 11.MEP CONTRACTOR TO PROVIDE BACK FLOW PREVENTION.
- 12. THE IRRIGATION CONTRACTOR SHALL TEST WATER SOURCE FOR WATER QUALITY INCLUDING MINERALS THAT MAY CAUSE STAINING OF CONCRETE AND PAVING SURFACES.
- 13.INSTALLER SHALL INSTALL MOISTURE SENSORS. CONTRACTOR SHALL INSTALL PER MANUFACTURERS'S SPECIFICATIONS AND SHALL BE RESPONSIBLE TO PROGRAM RELATED HYDROZONES TO RESPECTIVE SOIL
- MOISTURE SENSORS. PROVIDE ONE FOR EACH IRRIGATION ZONE WITH AUTOMATIC SHUT-OFF ONCE MOISTURE REQUIREMENTS ARE MET.

SHEET 14 OF 24

LANDSCAPE ARCHITECT. 3. LANDSCAPE ARCHITECT APPROVAL IS REQUIRED BEFORE PLANT MATERIAL IS PURCHASED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SEE ALL MATERIAL IN PERSON AT THE NURSERY. IF TRAVEL OUTSIDE OF MA IS REQUIRED, LANDSCAPE ARCHITECT'S TRAVEL COSTS SHALL BE PAID FOR BY THE CONTRACTOR.

4. ALL EXPOSED BURLAP, WIRE BASKETS AND OTHER MATERIALS ATTACHED TO PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO DISTURB THE ROOT BALL OF PLANTS.

5. THOROUGHLY WATER ALL PLANTS IMMEDIATELY AFTER PLANTING.

6. WHERE DISCREPANCIES IN QUANTITIES OCCUR, DRAWINGS SUPERCEDE PLANT NOTES AND SCHEDULE.

7. TRANSPLANTING SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK.

8. LOAM USED IN PLANT BEDS SHALL BE UNIFORM IN COMPOSITION, FREE FROM SUBSOIL, STONES LARGER THAN 1", NOXIOUS SEEDS AND SUITABLE FOR THE SUPPORT OF VEGETATIVE GROWTH. THE pH VALUE SHALL BE BETWEEN 5.5 AND 6.5.

9. MULCH IN TREE AND SHRUB BEDS SHALL BE NATURAL, NATIVE HEMLOCK MULCH FREE OF GROWTH OR GERMINATION INHIBITING INGREDIENTS. SUBMIT SAMPLES FOR APPROVAL. 10.LOCATIONS FOR PLANTS AND/OR OUTLINE OF AREAS TO BE

PLANTED ARE TO BE STAKED OUT AT THE SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT. 11. SOIL DEPTHS: a.) SHRUBS AND PERENNIAL BEDS: 18" MIN.; b.)

12.PROVIDE A SUBSURFACE ROOTBALL ANCHOR BY PLATIPUS EARTH

GROUNDCOVER: 6" MIN.; c.) TREES: SEE DETAIL; d.) SOD/SEED:

**GENERAL IRRIGATION NOTES:** 

1. THE DESIGN/BUILD IRRIGATION SUB-CONTRACTOR SHALL PROVIDE A COMPLETE SYSTEM FOR THE IRRIGATION AREAS SHOWN ON THE PLAN, WHICH INCLUDES NEW AND EXISTING TRANSPLANTED PLANT MATERIALS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR FINAL LAYOUT OF IRRIGATION SHOWING LOCATIONS AND SIZES OF MAIN LINES AND LATERAL LINES, ZONES, RAIN AND SOIL SENSORS, AND CUT SHEETS FOR CONTROLLER SYSTEM AND COMPONENTS. INCLUDE ANY NECESSARY SLEEVING ON A DIAGRAM.

2. IRRIGATION TO BE COORDINATED WITH GENERAL CONTRACTOR TO LOCATE THE NECESSARY PVC SLEEVING TO COMPLETE IRRIGATION PROGRAM.

BEFORE STARTING CONSTRUCTION. 4. TREES SHOULD BE ON A SEPARATE ZONE. 5. ALL TREES, SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND GROUNDCOVER

3. IRRIGATION CONTRACTOR SHALL VERIFY PSI/GPM REQUIREMENTS AT THE SITE

SHALL BE DRIP IRRIGATED. CONTRACTOR SHALL BE AWARE THAT THE IRRIGATION SYSTEM SHALL BE ROUTED TO THE PYLON SIGN PLANTER AND PLANTERS AT THE BUILDING.

6. ALL LAWN AREAS SHALL BE SPRAY HEAD IRRIGATED. THE HEADS SHALL BE LOCATED FOR HEAD TO HEAD COVERAGE WITH ABSOLUTELY NO OVER SPRAY ONTO THE PAVEMENT.

7. INSTALL DRIP TUBING, .6GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4' 8. THE CONTRACTOR SHALL BE EXTREMELY CAREFUL DURING THE INSTALLATION PROCESS NOT TO DISTURB NEW OR EXISTING PLANT MATERIALS. THE CONTRACTOR IS TO COORDINATE HIS WORK WITH OTHER SUB-CONTRACTORS. 9. THE IRRIGATION CONTRACTOR SHALL CONFORM TO ANY LOCAL CODES OR

ORDINANCES THAT MAY BE REQUIRED TO COMPLETE THE WORK. 10. WATER SUPPLY AND CONTROLLER: COORDINATE CONNECTION TO WATER SUPPLY WITH GENERAL CONTRACTOR. COORDINATE CONTROLLER LOCATION

WITH GENERAL CONTRACTOR. 11.MEP CONTRACTOR TO PROVIDE BACK FLOW PREVENTION. 12. THE IRRIGATION CONTRACTOR SHALL TEST WATER SOURCE FOR WATER QUALITY INCLUDING MINERALS THAT MAY CAUSE STAINING OF CONCRETE AND

PAVING SURFACES. 13.INSTALLER SHALL INSTALL MOISTURE SENSORS. CONTRACTOR SHALL INSTALL PER MANUFACTURERS'S SPECIFICATIONS AND SHALL BE RESPONSIBLE TO PROGRAM RELATED HYDROZONES TO RESPECTIVE SOIL MOISTURE SENSORS. PROVIDE ONE FOR EACH IRRIGATION ZONE WITH AUTOMATIC SHUT-OFF ONCE MOISTURE REQUIREMENTS ARE MET.

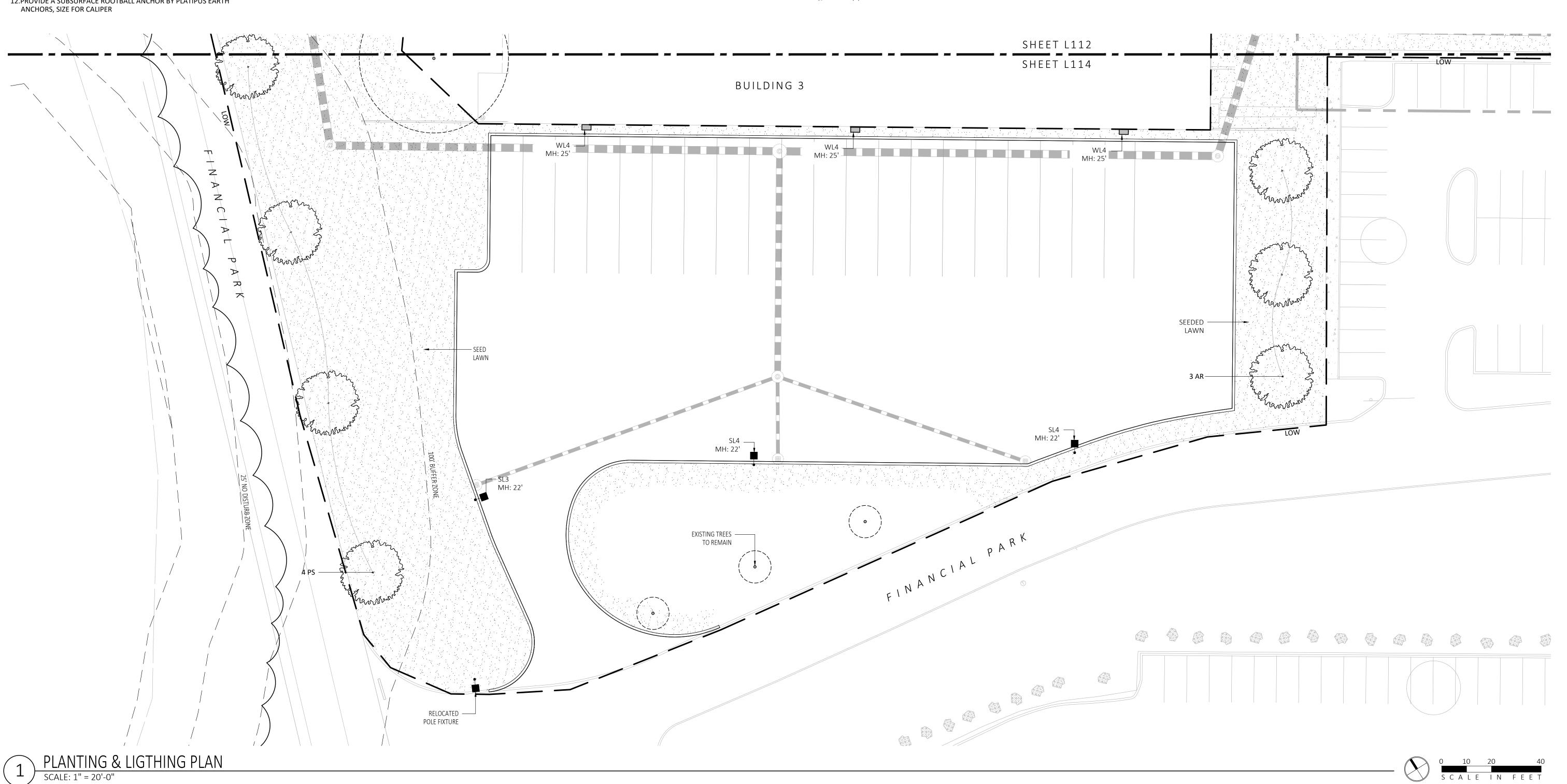
| SYMBOL                              | QTY.                 | LATIN NAME               | COMMON NAME            | SIZE         | NOTES                     |
|-------------------------------------|----------------------|--------------------------|------------------------|--------------|---------------------------|
| TREES                               | •                    | •                        |                        |              | •                         |
| AR                                  | 24                   | ACER RUBRUM              | RED MAPLE              | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING   |
| AC                                  | 5                    | AMELANCHIER CANADENSIS   | SHADBLOW SERVICEBERRY  | 8-10' HT     | B&B, MULTI-STEM           |
| BP                                  | 10                   | BETULA POPULIFOLIA       | GRAY BIRCH             | 3"-3.5" CAL. | B&B, MULTI-STEM           |
| PS                                  | 10                   | PINUS STROBUS            | EASTERN WHITE PINE     | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING   |
| PSC                                 | 17                   | PRUNUS SEROTINA          | BLACK CHERRY           | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING   |
| PH                                  | 16                   | PLATANUS OCCIDENTALIS    | AMERICAN SYCAMORE      | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING   |
| TA                                  | 16                   | TILIA AMERICANA          | BASSWOOD               | 3"-3.5" CAL. | B&B, 6' CLEAR BRANCHING   |
| SHRUBS &                            | ORNAMENT             | AL GRASSES - TYPE A      |                        |              |                           |
|                                     |                      | CLETHRA ALNIFOLIA        | PEPPERBUSH             | 5 GAL        | 36" O.C. B&B              |
|                                     |                      | HYDRANGEA QUERCIFOLIA    | OAK-LEAVED HYDRANGEA   | 3'-3.5' TALL | 36" O.C. B&B              |
| $\times$ $\times$ $\times$ $\times$ |                      | ILEX GLABRA              | INKBERRY               | 3'-3.5' TALL | 36" O.C. B&B              |
|                                     |                      | ILEX VERTICILLATA        | COMMON WINTERBERRY     | 3'-3.5' TALL | 36" O.C. B&B              |
|                                     |                      | KALMIA LATIFOLIA         | MOUNTAIN LAUREL        | 3' TALL      | 36" O.C. B&B              |
|                                     |                      | RHUS AROMATICA           | FRAGRANT SUMAC         | 3'-3.5' TALL | 36" O.C. B&B              |
|                                     |                      | VIBURNUM DENTATUM        | ARROWWOOD              | 3'-3.5' TALL | 36" O.C. B&B              |
| SHRUBS &                            | ORNAMENT             | AL GRASSES - TYPE B      | •                      | •            | •                         |
|                                     |                      | COMPTONIA PEREGRINA      | SWEET-FERN             | 2 GAL        | 24" O.C. CONTAINER        |
| $\mathcal{L}^{(x)}$                 |                      | IRIS VERSICOLOR          | BLUE FLAG IRIS         | 2 GAL        | 24" O.C. CONTAINER        |
| $\circ$                             | $\circ$              | PEROVSKIA ATRIPLICIFOLIA | RUSSIAN SAGE           | 2.5'-3' TALL | 24" O.C. B&B              |
| PERENNIAI                           | LS                   | •                        |                        |              | •                         |
| ~~~                                 | ~~~~~                | CAREX PENSYLVANICA       | PENNSYLVANIA SEDGE     | 1 GAL        | 18" O.C. CONTAINER        |
|                                     | $\times\times\times$ | ECHINACEA PURPUREA       | PURPLE CONEFLOWER      | 1 GAL        | 18" O.C. CONTAINER        |
|                                     |                      | GERANIUM DALMATICUM      | CRANESBILL             | 1 GAL        | 18" O.C. CONTAINER        |
| SEED MIX                            |                      | •                        |                        | _            | •                         |
| + + + +                             | + + + +              | + ERNST SEEDS            | ERNST MIX              | 75 LB/ACRE   | APPLY COVER CROP; FALL:   |
| + + + +                             | + + + +              | 800-873-3321             | (ERNMX-181-1 & 181-2)  |              | GRAIN RYE, SPRING: OAT;   |
| + + +                               | + + + + +            |                          | NATIVE STEEP SLOPE MIX |              | SEE SPEC SHEET            |
| 1////                               | ///////              | ERNST SEEDS              | ERNST MIX              | 20 LB/ACRE   | APPLY COVER CROP OF       |
| /!/;//                              |                      | 800-873-3321             | (ERNMX-180)            |              | GRAIN RYE; SEE SPEC SHEET |
|                                     | /////                |                          | RAIN GARDEN MIX        |              |                           |

ALL PROPOSED PLANTINGS COME FROM THE BEST DEVELOPMENT PRACTICES GUIDEBOOK (§185-31.C.(K)

FOR PERMIT ONLY NOT FOR CONSTRUCTION

| SYMBOL    | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                       |
|-----------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|---------------------------|
| 0         | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                           |
| SL3       | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                           |
| SL4<br>■• | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-899 |
| SL4-2     | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | ВАСК ВАСК              | COLOR:<br>BLK  | STEVE<br>PRUDHOMM         |
|           | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|           | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|           | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                |                           |

SUBMIT CUT SHEETS FOR APPROVAL; SEE PHOTOMETRIC PLAN PROVIDED WITH THIS DRAWING SET FOR MORE INFORMATION.



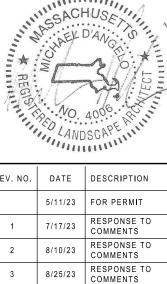
MICHAEL D'ANGELO

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

0 S

 $\forall \vdash \forall$ 

TRIAL PARK



PLANTING & LIGHTING PLAN

L114

SHEET 15 OF 24

MAINTAIN ORIGINAL GRADE OF

TRANSPLANTING AS EXISTED AT

— TEMPORARY EARTH SAUCER

ROLL BACK BURLAP  $\frac{1}{3}$ 

PLANTING SOIL BACKFILL

- COMPACTED SUBGRADE

PRIOR TO BACKFILL

ROOT FLARE AFTER

THE NURSERY

— 3" BARK MULCH



MICHAEL D'ANGELO 840 SUMMER STREET

> 0 ш S

TRIA PAR

5/11/23 FOR PERMIT

PLANTING DETAILS

SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

ARTNE TON N 

REV. NO. DATE DESCRIPTION 2 8/10/23 RESPONSE TO COMMENTS

3 8/25/23 RESPONSE TO COMMENTS

SCHEDULE &

AS NOTED AS NOTED
DATE:

SHEET 16 OF 24

plot date: 8/25/2023

STAMP

**Ernst Conservation Seeds** 8884 Mercer Pike Meadville, PA 16335 (800) 873-3321 Fax (814) 336-5191 www.ernstseed.com **Botanical Name** 

0.30 % Liatris spicata

Seeding Rate: 75 lb per acre

Erosion Control & Revegetation

function of the mix will not.

0.20 % Asclepias syriaca, PA Ecotype

Native Steep Slope Mix w/Grain Rye - ERNMX-181-2 Price/lb 40.00 % Secale cereale, Variety Not Stated Grain Rye, Variety Not Stated 0.21 10.60 20.40 % Sorghastrum nutans, PA Ecotype Indiangrass, PA Ecotype 13.06 8.10 % Andropogon gerardii, 'Niagara' Big Bluestem, 'Niagara' 7.50 % Elymus virginicus, PA Ecotype Virginia Wildrye, PA Ecotype 5.20 % Elymus canadensis 4.50 % Schizachyrium scoparium, 'Camper' Little Bluestem, 'Camper' 3.70 % Tridens flavus 3.00 % Agrostis perennans, Albany Pine Bush-NY Ecotype Autumn Bentgrass, Albany Pine Bush-NY Ecotype 14.00 2,30 % Panicum virgatum, 'Shawnee' Switchgrass, 'Shawnee' 1.10 % Chamaecrista fasciculata, PA Ecotype Partridge Pea, PA Ecotype 1.00 % Echinacea purpurea Purple Coneflower Perennial Gaillardia (Blanketflower) 0.80 % Gaillardia aristata 0.80 % Rudbeckia hirta 0.70 % Heliopsis helianthoides, PA Ecotype Oxeye Sunflower, PA Ecotype 0.40 % Aster lateriflorus Calico Aster

Use this formula with grain rye as a cover crop (from August 1st-February 15th). Mix formulations are subject to change wthout

notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and

320.00 Marsh (Dense) Blazing Star (Spiked Gayfeather) 210.00 Common Milkweed, PA Ecotype Mix Price/lb Bulk:

18.56

1.00 % Juncus tenuis, PA Ecotype 1.00 % Liatris spicata 0.80 % Aster novae-angliae, PA Ecotype 0.70 % Aster laevis, NY Ecotype 0.50 % Rudbeckia fulgida var. fulgida, Northern VA Ecotype 0.50 % Senna hebecarpa, VA & WV Ecotype 0.40 % Monarda fistulosa, Fort Indiantown Gap-PA Ecotype 0.30 % Pycnanthemum tenuifolium 0.30 % Solidago juncea, PA Ecotype

Date: August 28, 2018

**Botanical Name** 

20.00 % Elymus virginicus, PA Ecotype

10.00 % Carex vulpinoidea, PA Ecotype

2.00 % Carex scoparia, PA Ecotype

5.00 % Echinacea purpurea

3.00 % Rudbeckia hirta

1.00 % Juncus effusus

3.00 % Coreopsis lanceolata

10.00 % Panicum rigidulum, Coastal Plain NC Ecotype

2.00 % Chamaecrista fasciculata, PA Ecotype

2.00 % Eupatorium coelestinum, VA Ecotype

2.00 % Heliopsis helianthoides, PA Ecotype

2.00 % Penstemon digitalis, PA Ecotype

1.00 % Asclepias incarnata, PA Ecotype

Partridge Pea, PA Ecotype Mistflower, VA Ecotype 42.00 Oxeye Sunflower, PA Ecotype Tall White Beardtongue, PA Ecotype 160.00 160.00 Swamp Milkweed, PA Ecotype 40.00 Path Rush, PA Ecotype Marsh (Dense) Blazing Star (Spiked Gayfeather) New England Aster, PA Ecotype 360.00 Smooth Blue Aster, NY Ecotype 320.00 Orange Coneflower, Northern VA Ecotype 300.00 Wild Senna, VA & WV Ecotype 24.00 160.00 Wild Bergamot, Fort Indiantown Gap-PA Ecotype Narrowleaf Mountainmint Early Goldenrod, PA Ecotype 280.00 Mix Price/Ib Bulk: \$37.29

Price/lb

12.02

48.00

36.00

24.00 20.00

72.00

Seeding Rate: 20 lb per acre with a cover crop of grain rye at 30 lb per acre

**Ernst Conservation Seeds** 

8884 Mercer Pike

Meadville, PA 16335

(800) 873-3321 Fax (814) 336-5191

www.ernstseed.com

Rain Garden Mix - ERNMX-180

Virginia Wildrye, PA Ecotype

Blunt Broom Sedge, PA Ecotype

Redtop Panicgrass, Coastal Plain NC Ecotype

Fox Sedge, PA Ecotype

Purple Coneflower

Lanceleaf Coreopsis

Blackeyed Susan

31.50 % Schizachyrium scoparium, Albany Pine Bush-NY Ecotype Little Bluestem, Albany Pine Bush-NY Ecotype

Uplands & Meadows The native perennial forbs and grasses provide food and cover for rain garden biodiversity. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.

> Price quotes guaranteed for 30 days. All prices are FOB Meadville, PA. Please check our web site at www.ernstseed.com for current pricing when placing orders.

SEED MIX 1 - NATIVE STEEP SLOPES (FALL) SCALE: N.T.S.

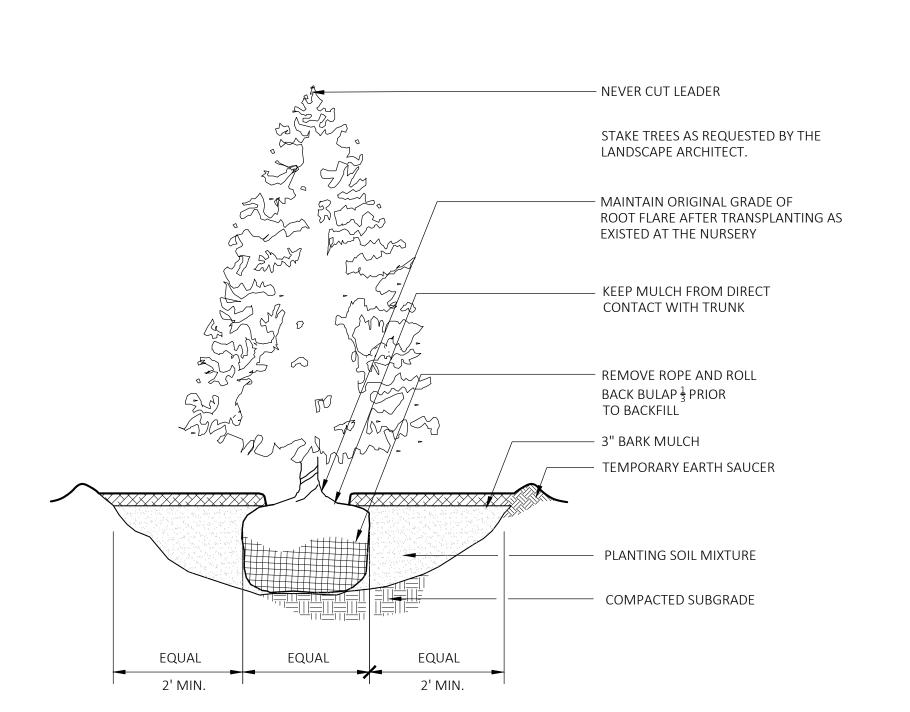
Price quotes guaranteed for 30 days.

All prices are FOB Meadville, PA.

Please check our web site at <u>www.ernstseed.com</u>

for current pricing when placing orders.

SEED MIX 2 - RAIN GARDEN MIX SCALE: N.T.S.



**Ernst Conservation Seeds** 

8884 Mercer Pike

Meadville, PA 16335

(800) 873-3321 Fax (814) 336-5191

www.ernstseed.com

Native Steep Slope Mix w/Grain Oats - ERNMX-181-1

Use this formula with grain oats as a cover crop in the spring and summer (until September 1st). Mix formulations are subject to

Price quotes guaranteed for 30 days.

All prices are FOB Meadville, PA.

Please check our web site at www.ernstseed.com

EVERGREEN TREE PLANTING

for current pricing when placing orders.

SEED MIX 1 - NATIVE STEEP SLOPES (SPRING)

change without notice depending on the availability of existing and new products. While the formula may change, the guiding

4.50 % Schizachyrium scoparium, Fort Indiantown Gap-PA Ecotype Little Bluestern, Fort Indiantown Gap-PA Ecotype

Oats, Variety Not Stated

Big Bluestem, 'Niagara'

Canada Wildrye

Indiangrass, NY4 Ecotype

Virginia Wildrye, PA Ecotype

Partridge Pea, PA Ecotype

Perennial Gaillardia (Blanketflower

Oxeye Sunflower, PA Ecotype

New England Aster, PA Ecotype

Common Milkweed, PA Ecotype

Tall White Beardtongue

Purple Coneflower

Blackeyed Susan

Purpletop, Fort Indiantown Gap-PA Ecotype

Autumn Bentgrass, Albany Pine Bush-NY Ecotype

Marsh (Dense) Blazing Star (Spiked Gayfeather)

0.22

12.00

36.00

20.00

210.00

160.00

\$10.45

Date: August 28, 2018

**Botanical Name** 

40.00 % Avena sativa, Variety Not Stated

8.10 % Andropogon gerardii, 'Niagara'

7.50 % Elymus virginicus, PA Ecotype

2.30 % Panicum virgatum, 'Shawnee'

1.10 % Chamaecrista fasciculata, PA Ecotype

0.70 % Heliopsis helianthoides, PA Ecotype

0.40 % Aster novae-angliae, PA Ecotype

0.20 % Asclepias syriaca, PA Ecotype

philosophy and function of the mix will not.

3.70 % Tridens flavus, Fort Indiantown Gap-PA Ecotype

3.00 % Agrostis perennans, Albany Pine Bush-NY Ecotype

5.20 % Elymus canadensis

1.00 % Echinacea purpurea

0.80 % Gaillardia aristata

0.80 % Rudbeckia hirta

0.20 % Liatris spicata

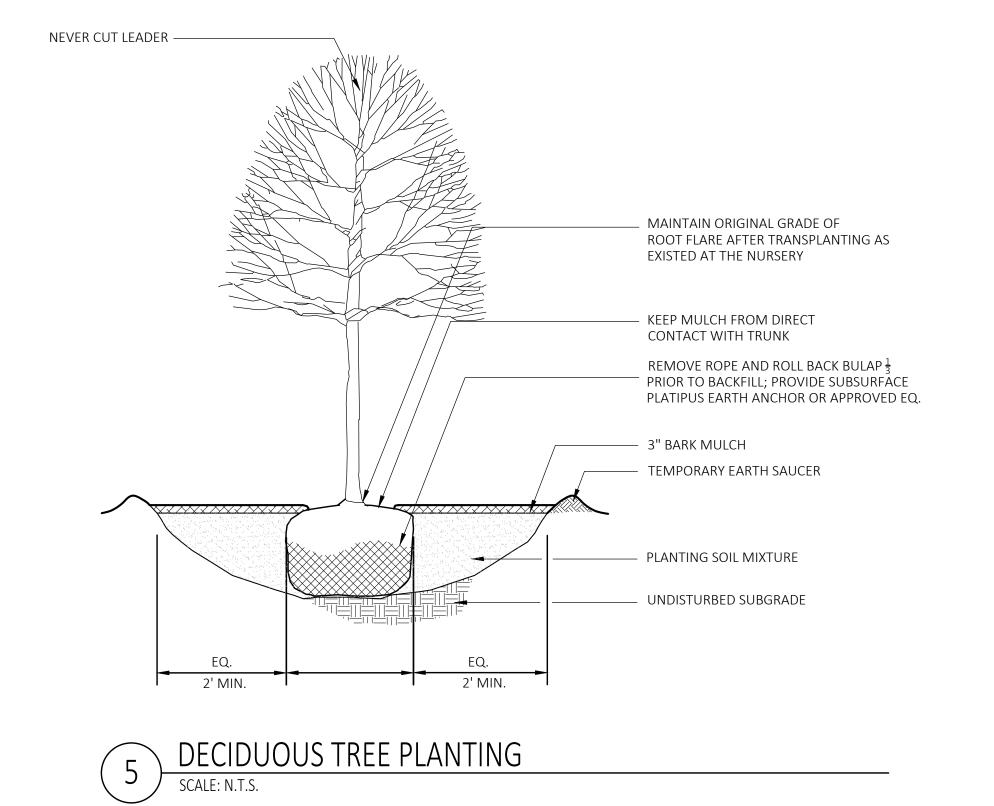
100.00 %

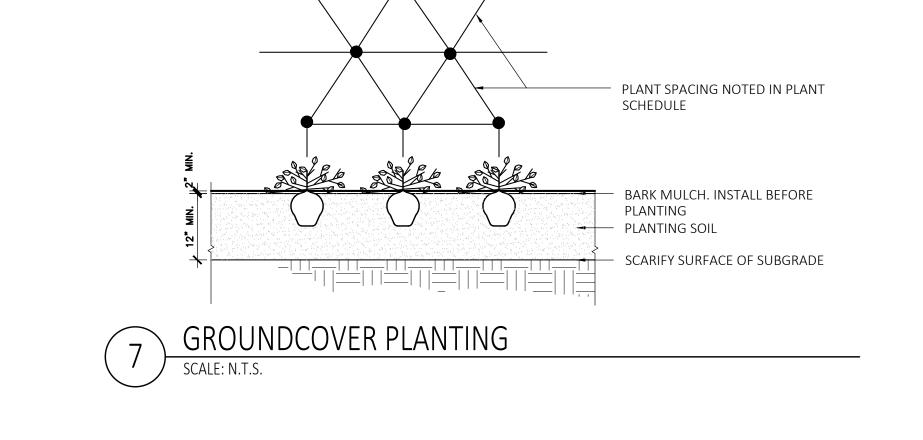
0.10 % Penstemon digitalis

Seeding Rate: 75 lb per acre

Erosion Control & Revegetation

20.40 % Sorghastrum nutans, NY4 Ecotype





VARIES
SEE PLANT LIST

SHRUB PLANTING

TYPE: PROJECT:

CATALOG #:

Integral Battery Backup provides

currentlighting.com/beacon

lighting for the required 90 minute path of

Battery Backup suitable for operating temperatures -25°C to 40°C. RWL1 battery is 12.5W RWL2 battery is 18W



MICHAEL D'ANGELO ANDSCAPE ARCHITECTURE L 840 SUMMER STREET

SUITE 201A

BOSTON, MA 02127

t. 203.592.4788

www.m-d-l-a.com

 $\vdash$ 

0

ш S

. O  $\triangleleft$ طَ ق ک  $\overline{\square}|_{\overline{\wedge}} \vee \overline{\vee}$ LIE ERI OS ш

₹ R  $\vdash$   $\vdash$ VDUS-CIAL JSE / FINA , MA

5/11/23 FOR PERMIT 3 8/25/23 RESPONSE TO COMMENTS

AS NOTED SCALE: AS NOTED

SHEET 17

· Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount • Featuring Micro Strike Optics which maximizes target zone illumination with Control options including photo control, occupancy sensing, NX Distributed ONTROLS (CONTINUED)
Dual Driver and Dual Power Feed options creates product configuration with 2 internal ELECTRICAL (CONTINUED) Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion drivers for code compliance · Please consult brand or sales representative • Dual Driver option provides 2 drivers within when combining control and electrical options as some combinations may not operate as anticipated depending on your luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture. application. CERTIFICATIONS Listed to UL1598 and CSAC22.2#250.0-24 for wet locations Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard. IP65 rated housing This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions wireless available for complete on/off and dimming control Not all product variations listed in this document are DLC™ ((DesignLights Consortium Qualified). Refer to designlights.org for most up-to-date list. Button photocontrol is suitable for 120-277V • 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules • 5 year limited warranty in fixture wireless control module, features dimming and occupancy sensor wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor

KEY DATA

Wattage Range

Efficacy Range (LPW)

Lumen Range 1,300–18,800

Weights lbs. (kg) 6.5/16.5 (2.9/7.5)

10-155

119-148

Ratio\_Wall\_Spec\_Sheet\_R01

Page 1 of 7

Driver RoHS and IP66

Current @

BEACON design . performance . technology

RATIO Wall

RWL1/RWL2 LED WALLPACK

Visual comfort standard

CONTROL TECHNOLOGY

Die-cast housing with hidden vertical heat

· Corrosion resistant, die-cast aluminum

housing with powder coat paint finish

· Powder paint finish provides durability in

fins that are optimal for heat dissipation while keeping a clean smooth outer surface

outdoor environments. Tested to meet 1000

Entire optical aperture illuminates to create

a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance

• 3000K, 4000K or 5000K (70 CRI/80 CRI) CCT

LED optics provide IES type II, III and IV distributions. Type II only available in RWL2

INSTALLATION
• Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)

· Integral back box contains 1/2" conduit hubs

Integral back box standard with Dual Driver, Dual Power Feed, NX, Wiscape and battery versions (battery versions for RWL1 only)

ELECTRICAL120V-277V universal voltage 50/60Hz 0-10V dimming drivers

347V and 480V dimmable driver option for all wattages above 35W

Ambient operating temperature -40°C to 40°C

Designed for direct j-box mount.

CONTROLS

SPECIFICATIONS

hour salt spray rating

48 or 160 midpower LEDs

Zero uplight distributions

configurations

CONSTRUCTION

minimal losses at the house-side, reducing light trespass issues

Battery Backup options available for emergency code compliance

Intelligence™, Wiscape and 7-Pin with networked controls

• Quick-mount adapter allows easy installation/maintenance

347V and 480V versions for industrial applications and Canada

**FEATURES** 

BEACON design . performance . technology **SSS-B Series Poles** Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location CONSTRUCTION • SHAFT: One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36) BASE COVER: Two-piece square aluminum base cover included standard POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available HAND HOLE: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover ANCHOR BOLTS: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling Anchor bolt part numbers: 3/4 x 30 x 3 — TAB-30-M38 • Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable Bolt Square (Inner) TOP VIEW ORDERING INFORMATION ORDERING EXAMPLE:

LOCATION:

PROJECT:

Flat Washer—

Level Foundation

GTT Graphite Matte Textured

LGS Light Grey Gloss Smooth

PSS Platinum Silver Smooth

WHT White Matte Textured

WHS White Gloss Smooth

B1 Cruzer, "AM" arm

VGT Verde Green Textured

B3 2 bolt (2-1/2" spacing), Viper "A" arm

S2 2 bolt (3-1/2" spacing), Viper "AD" arm

DRILL PATTERN

TB Tenon (2.88" OD

Tenon (3.5" OD x 6" Tall)

TR¹ Removable Tend (2.375 x 4.25)

OT Open Top (in-

Reference page 2 for available configurations

CO7<sup>2</sup> .75" Coupling

C20<sup>2</sup> 2" Coupling

VM2 2nd mode vibration

LAB Less Anchor Bolts

UL UL Certified

spec\_sheet\_sss\_pole\_beacon\_R01

Page 1 of 4

FINISH OPTIONS

Base Plate ——

Flat Washer – Hex Nut —

Grout with drain Optional

CATALOG #:

1 x 36 x 4 — TAB-36-M38

SSSH20-40A-4-HV-DB-RDC, SSSH25-40A-4-HV-DB-RDC and SSSH30-50B-4-HV-DB-RDC The HV designation in the above catalog numbers is a combination drill pattern of the Current S2 pattern and the Beacon B3/B4 Viper pattern (rectangular arm mounting) DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations on this page are DLC Qualified. Refer to www.designlights.org for the most up-to-date list. Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient 3G rated for ANSI C136.31 high Fixture is IP66 rated SSS -B - 25 - 40 - A/B/C - 2L - B3 - BLT Meets IDA recommendations using 3K CCT SERIES HEIGHT SHAFT THICKNESS MOUNTING configuration at 0 degrees of tilt This product qualifies as a "designated country construction material" per FAR 2 Two fixtures at 180° BLS Black Gloss Smooth RL Two fixtures at 90° DBT Dark Bronze Matte Textured EHH<sup>2</sup> Extra Handhole 52.225-11 Buy American-Construction TT Three fixtures at 90' DBS Dark Bronze Gloss Smooth CO52 .5" Coupling Materials under Trade Agreements effective Four fixtures at 90° MOUNTING ORIENTATION TA Tenon (2.38" OD x 4" Tall)

Current @

WARRANTY 5 year limited warranty KEY DATA 3,000-48,000 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: SSS-B-25-40-A-1-B-1TR-BBT Specify option location using logic found on page 2 (Option Orientation)
 WM1 recommended on poles 20' and taller with EPA of less than 1. 25-340 118–155 L70>60K 13.5-24 (6.1-10.9)

Wattage Range Efficacy Range (LPW) ixture Projected Life (Hours) Weights lbs. (kg)

Lumen Range

10-DAY QUICK SHIP PROGRAM

QS<sub>70</sub>

CERTIFICATIONS

BEA\_Ratio\_RAR\_1\_2\_Spec\_R01

currentlighting.com/beacon

LOCATION:

PROJECT:

TYPE:

Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

- Ambient operating temperature -40  $^{\circ}\text{C}$  to 40  $^{\circ}\text{C}$ 

Drivers have greater than 90% power factor and less than 20% THD

· LED drivers have output power over-voltage

over-current protection and short circuit protection with auto recovery

Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device

CONTROLS
• Photo control, occupancy sensor and wireless available for complete

 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules

(control accessories sold separately)

· 0-10 V Dimming Drivers are standard and

dimming leads are extended out of the

NX Distributed Intelligence<sup>™</sup> available with

dimming and occupancy sensor

in fixture wireless control module, features

luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than

on/off and dimming control

the 6" standard

CATALOG #:

SL3, SL4, SL4-2 FIXTURE

BEACON design . performance . technology

**RATIO Series** 

Low profile LED area/site luminaire with a variety of IES distributions for

minimal losses at the house-side, reducing light trespass issues

lighting applications such as retail, commercial and campus parking lots

3G rated for high vibration applications including bridges and overpasses

• Control options including photo control, occupancy sensing, NX Distributed

Featuring Micro Strike Optics which maximizes target zone illumination with

FEATURES

Visual comfort standard

cUL us (IP66)

CONTROL TECHNOLOGY

Rectilinear form mimics the traditional

shoebox form factor keeping a similar but

updated style and appearance, ideal for

· Die-cast housing with hidden vertical heat

keeping a clean smooth outer surface

Corrosion resistant, die-cast aluminum

housing with powder coat paint finish

OPTICS

• Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance

• 80, 160, 320 or 480 midpower LEDs

Zero uplight at 0 degrees of tilt

Field rotatable optics

apply for 7-pin options)

Current @

• 3000K, 4000K or 5000K (70 CRI) CCT

Standard square arm mount, compatible with B3 drill pattern

of installation during retrofit applications Available as an option or accessory for square and round poles.

Knuckle arm fitter option available for 2-3/8' OD tenon. Max tilt of 60 degrees with 4

fins that are optimal for heat dissipation while

LIGHTING CONTROLS

SPECIFICATIONS

retrofit applications

CONSTRUCTION

Compact and lightweight design with low EPA

Intelligence™ and 7-Pin with networked controls

Best in class surge protection available



Bollard lights

**KLOU180** 

Arcluce Code

Code Ref.

Project

TYPE

Catalog#

NOTES

S-KL0203US-12S

Light source:

LED life time:

Construction

Light efficiency:

0871001D-830-12U\$

TECHNICAL INFORMATION

Power luminaire: 20W, 1450lm

■ Die-cast aluminium body (EN 47100).

Double laver polyester powder paint

Universal input voltage: 120-277V

Wiring on removable galvanized steel

4000K (2700K or other CCTs available

on request).

Reflector made of anodized aluminium

with non-iridescent specular finishing.

resistant, V2 self-extinguishing clear

resistant to corrosion and salt spray fog.

AISI 316 stainless steel external screws.

Extruded aluminium pole.

Silicone rubber gaskets.

0-10V dimming available.

polycarbonate screen.

Arcluce North America Inc. 333 Bush Street - San Francisco, CA 94104 - Ph. +1 (408) 655-6275 - export4@arcluce.it

Electrical & Optics

High colour consistency: < 3 SDCM

LED, 3000K, CRI>80

120-277V 60Hz DIMM

High-efficacy LEDs with standard 3000K.
 Surface installation.

UV rays stabilized, 850°C glow wire test
 Available on request zinc-plated steel pillar

> 60000h - L80 - B20 (Ta 25°C)

73lm/W

24.03 lb

B: 39" 3/8

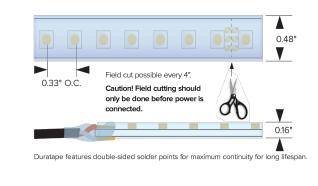


Ideal for IP66 exterior cove, under-counter/cabinet, lighting accents. Complete with encased silicone jacket for outdoor rated IP66, sold per Features 2-circuit substrate for optimum heat dissipation, minimizing voltage drop while increasing run lengths per power feed, standardizing electrical flow over entire length of the strip for maximum product reliability

Features double sided solder points for maximum conductivity and Pre-assembled to specific lengths with various connector options for project requirements and efficient power configuration. Max continuous length: up to 36' per run (1.5W/ft) up to 22' per run (3.0W/ft) up to 19' per run (3.9W/ft)

up to 16' per run (4.4W/ft)

### Multiple dimming options available. **DIMENSIONAL DRAWINGS**





#### 5 year warranty STRIP DATA LED DATA | Model | Efficacy\* | Lm/Ft | Wt/Ft | Model | Wattage | Viewing | Lifespan at 90% drive | 90% drive 3.0W/ft 86.00\* 259 3.0 3.0W/ft 0.08W 3.9W/ft 90.00\* 351 3.9 3.9W/ft 0.10W 4.4W/ft 94.00\* 412 4.4 4.4W/ft 0.12W 40,000hrs \* Meets Title 24 High efficacy rating. \* LEDs operating at 90% of LED

CCT CRI Ra R9 Rf Rg 2207K 96.5 85 94.2 103.4 2733K 97.7 95 95.1 101.7 3132K 97.3 94 89.7 97.3 3507K 96.2 95 89.1 97.8 4058K 96.6 93 89.3 97.8 VOLTAGE + END PREP + MOUNTING + POWER SUPPLY

TM30 (3.0W/ft model)

Arcluce

IES photometry ⊎

IP66

IK09

2.15 ft<sup>2</sup>

See accessories in the next page

**DURATAPE™ ES** 

0.33" OC LED Spacing

36 LEDs per foot

tolerance.

≥Ra96

1.5W/ft / 3.0W/ft / 3.9W/ft / 4.4W/ft

2700K / 3000K / 3500K / 4000K

cULus Class 2 Wet Listed E471161

mounting hardware to be used.

ROHS compliant

Tested in accordance with LM-79-08 Energy efficient for California installations

Color Consistency Bin centered on the Planck curve with a + / - 2 step MacAdam

Factory prepped wiring options (See Page 2)

Includes installation-ready 3M tape adhesive for simplified installation directly to mounting channel or application surface

Optional mounting channels and clips, protective lens covers

thermal channels for optimal maintainance. Field trimmable

ACEC T24 JA8-2019-E certified, 3.9W with DEL60PWM or

MRI Safe, driver to be mounted outside of MRI room. To be use with plastic or aluminum profiles only. To be installed with

adhesive or MRI safe hardware only, no factory provided

Listed Class 2 output, 24V DC power supply required.

IP66 OUTDOOR

arcluce-us.com

• UL certified to U.S. and Canadian standards,

suitable for wet locations (cULus mark).

Suitable for mounting within 1.2 m (4 ft) of

■ Luminaire rated for -40°C minimum ambient

temperature on selected model variants.

High quality LED sources characterized

according to IES TM-30, with high colo

■ Die-cast aluminium base (EN 47100) for

Supplied with steel base plate and j-shaped

anchoring with rawlplugs.

conductors).

**DETAILS** 

LEDs

Wattage

End Preps

Mounting

Power Supply

Certifications

Supplied with power cord (18AWG

consistency <3SDCM and long useful life

ground.

Rated IP66 per EN60598.

Installation  $\Psi$ 

instructions

Generated on: 03-22-2023 7:54 pm

WATTAGE IP RATING COLOR TEMP CRI Essential **15** - 1.5W/ft **O**- Outdoor IP66 **27**- 2700K **HC**- +95 CRI **24**- 24VDC White **30** — 3.0W/ft **30**— 3000K **35**— 3500K 39<sup>4</sup> — 3.9W/ft **40**- 4000K **44** — 4.4W/ft DLES30027HC24-QS + 07UX1CBL1-QS DLES30030HC24-QS + 07UX1CBL1-QS

Targetti USA - A Targetti Group Company - 750-A W. 17<sup>th</sup> St. Costa Mesa, CA 92627 - Phone (714) 513-1991 - Email: targettiusa@targetti.com - targettiusa.com - 07.11.21 - Page 1 of 9

m processed PO date. Consult factory for quantities of over 1,000ft to confirm lead time

WL3

SL3, SL4, SL4-2 POST

2nd mode vibration damper

currentlighting.com/beacon



PROJECT
WAREHOUS
100 / 200 F
FRANKLIN, STAMP

REV. NO. DATE DESCRIPTION 1 7/17/23 RESPONSE TO COMMENTS
2 8/10/23 RESPONSE TO COMMENTS

LIGHTING SCHEDULE & CUT SHEETS

5/11/2023

OF 24 plot date: 8/25/2023

PHOTOMETRIC PLAN

SHEET 18 OF 24

| YMBOL | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                        |
|-------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|----------------------------|
| 0     | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                            |
| SL3   | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                            |
| SL4   | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-8996 |
| SL4-2 | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | ВАСК ВАСК              | COLOR:<br>BLK  | STEVE<br>PRUDHOMMI         |
|       | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                            |
|       | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  | ]                          |
|       | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                | ]                          |

**Calculation Summary** CalcType CHAMPAGNE BUILDING Illuminance PARKING AREAS Illuminance SPILL LIGHT Illuminance  $\frac{2}{3.1}$   $\frac{1}{3.4}$   $\frac{1}{4.0}$   $\frac{1}{4.6}$   $\frac{1}{4.7}$   $\frac{1}{5.0}$   $\frac{1}{5.0}$   $\frac{1}{4.9}$   $\frac{1}{5.3}$   $\frac{1}{4.9}$   $\frac{1}{5.3}$   $\frac{1}{4.9}$   $\frac{1}{5.0}$   $\frac{1}$ .0 to 0.0  $\frac{3}{3}$   $\frac{5.3}{5.2}$   $\frac{5.2}{4.9}$   $\frac{4.4}{3.9}$   $\frac{3.4}{2.9}$   $\frac{2.6}{2.6}$   $\frac{2.4}{2.1}$   $\frac{1}{1.2}$   $\frac{1}{1$ 0  $\stackrel{\bullet}{0}.0$   $\stackrel{$  
 5.3
 \$\delta\_{.3}\$
 \$\delta\_{.0}\$
 \$\delta\_{.0}\$<  $0 \quad \dot{0}.0 \quad \dot{0}.0$ 0.3 6.4 0.2 \ 0.1 0.1 0.0 0.1 \ \ \dagger \frac{1}{7} \ \dagger \dagge 2/6 3.4 3.7 3.7 3.5 3.7 4.3 5.2 6.0 5.3 5.2 5.3 3/.1 MH: 22' \$\frac{1}{4.7}\$ \$\frac{1}{4.8}\$ \$\frac{1}{4.7}\$ \$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}{41}\$\frac{1}  $\frac{\circ}{\circ} BL1 \xrightarrow{3.4} \frac{1}{2} = \frac{1.6}{3.1} \xrightarrow{1.6} \frac{1.6}{1.6} \xrightarrow{1.6} \xrightarrow{1.6} \frac{1.6}{1.6} \xrightarrow{1.6} \xrightarrow{1.6} \frac{1.6}{1.6} \xrightarrow{1.6} \xrightarrow{1.6}$ 1.9 2.6 3.4 4.0 4.3 4.7 5 1 4 5 1 4 5 1 5 0 10 2 4.8 3.3 3.0 29.6 2.6 2.8 5.6 5.3 1.3 0.4 0.1 0.1 0.0 5 . 0 5 . 0 5 . 0 5 . 0 5 . 0 5 . 1 5 . 1 5 . 3 5 . 2 5 . 2 5 . 2 5 . 2 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 5 . 3 BUILDING 1 SHEET L117 SHEET L119

PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

ARRANGEMENT OPTIONS REP

COLOR:

COLOR:

COLOR

COLOR:

COLOR:

COLOR:

N.A.

LUMINATE

617-947-8996

**PRUDHOMME** 

GRAY

PEDESTRIAN

BOLLARD

SINGLE

SINGLE

RECESSED

0.1

0.0

17.20

N.A.

4.7

30.9

1.70

MICHAEL D'ANGELO 840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788

www.m-d-l-a.com 0

SUL CLIENT
BERKELEY PARTNERS
1 WASHINGTON MALL, S
BOSTON, MA

USE / INDUSTRIAL [ ) FINANCIAL PARK J, MA PROJECT
WAREHOUS
100 / 200 F
FRANKLIN,

3 8/25/23 RESPONSE TO COMMENTS

PHOTOMETRIC PLAN

L118 AS NOTED DATE:

SHEET 19 OF 24

29.6 0.0 5.0 to 0 5.0 \begin{pmatrix} 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5.0 \\ 5 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0\$\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.2}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\frac{1}{5.0}\fra 15.4 1.5 1.6 1.2 0.7 1.2 1.8 2  $\begin{vmatrix} 0.8 & 2.3 & 2.8 & 2.9 & 2 & 6 & 0.4 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.8 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 & 2.7 &$ 

SYMBOL LABEL MODEL

Calculation Summary

CHAMPAGNE BUILDING

PARKING AREAS

ARCLUCE KLOU180 BOLLARD

RWL1-48L-25-3K7-4W-U

BEACON RATIO SITE FIXTURE RAR1-160L-135-3K7-3-U

AR1-160L-135-3K7-4W-U

BEACON RATIO SITE FIXTURE RAR1-160L-135-3K7-4W-U

BEACON RATIO WALL FIXTUR

BEACON SSS-B POLE SSS-B-20-40-A-1-B3-FINISH

BEACON SSS-B POLE SSS-B-20-40-A-1-B3-FINISH

BEACON SSS-B POLE SSS-B-20-40-A-2-B3-FINISH

RWL1-48L-25-3K7-4W-U BEACON RATIO WALL FIXTUR

RWL2-160L-135-3K7-4-U

)L-ES-15-O-30K-HC-24-A-DL-

Illuminance

Illuminance

MOUNT

CONCRETE FOOTING;

CONCRETE FOOTING;

BUILDING MOUNT

BUILDING MOUNT

LUMINUM CHANNEL

KEEP 3" ABOVE GRADE

EEP 24" ABOVE GRADE IN ASPHALT

KEEP 24" ABOVE GRADE IN ASPHALT

EEP 24" ABOVE GRADE IN ASPHALT BACK BACK

KEEP 3" ABOVE GRADE IN ISLANDS

KEEP 3" ABOVE GRADE IN ISLANDS

EEP 3" ABOVE GRADE IN ISLANDS

<sup>†</sup>0.0 <sup>†</sup>0. <del>0.0</del> ō.o ō.o ō.o ō. ō.o ō.o ō.o ō.o ō. Ţ.0 Ō.0 Ō.0 Ō.0 Ō.0 Ō.

RI 1 . 8 0.6 0.0 0.1

SHEET L118

SHEET L120

BUILDING 1

PHOTOMETRIC PLAN

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

CLIENT
BERKELEY PARTNERS
1 WASHINGTON MALL, SUIT
BOSTON, MA

AREHOUSE / INDUSTRIAL IOO / 200 FINANCIAL PARK

NO. DATE DESCRIPTION

5/11/23 FOR PERMIT

REV. NO. DATE DESCRIPTION

5/11/23 FOR PERMIT

1 7/17/23 RESPONSE TO COMMENTS

2 8/10/23 RESPONSE TO COMMENTS

3 8/25/23 RESPONSE TO COMMENTS

PHOTOMETRIC PLAN

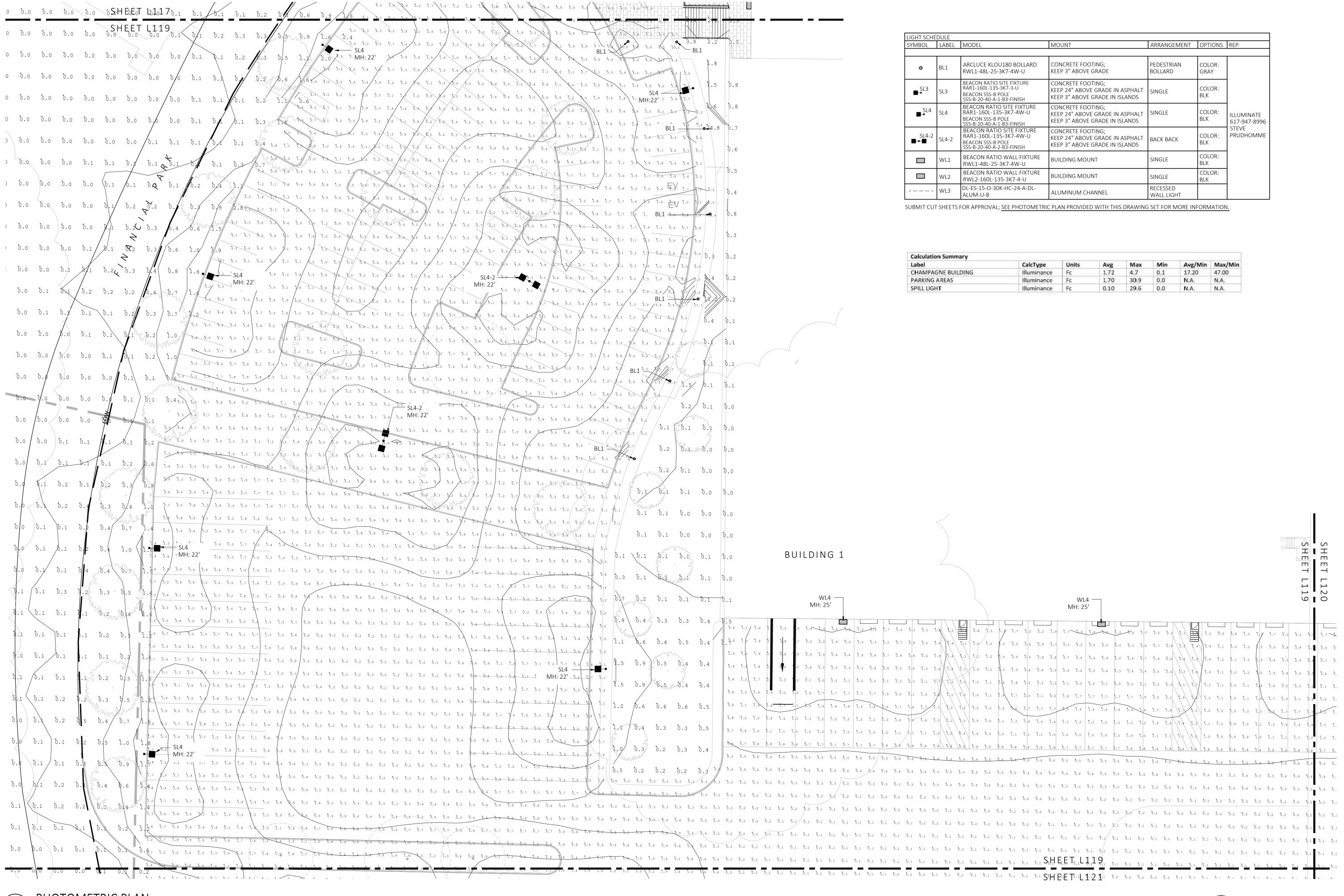
DRAWN:
NC
CHECKED:
AS NOTED

SCALE:
AS NOTED

AS NOTED

DATE:
5/11/2023

SHEET 20 OF 24



0.0 0.0 0.0 0.0 0.0



840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

70 SUITE

CLIENT
BERKELEY PARTNERS
1 WASHINGTON MALL, S
BOSTON, MA

DEV PROJECT
WAREHOUSE / INDUSTRIAL D
100 / 200 FINANCIAL PARK
FRANKLIN, MA

1 7/17/23 RESPONSE TO COMMENTS
2 8/10/23 RESPONSE TO COMMENTS 3 8/25/23 RESPONSE TO COMMENTS

PHOTOMETRIC PLAN

CHECKED:
AS NOTED

SCALE:
AS NOTED

DATE:

SHEET 21 OF 24

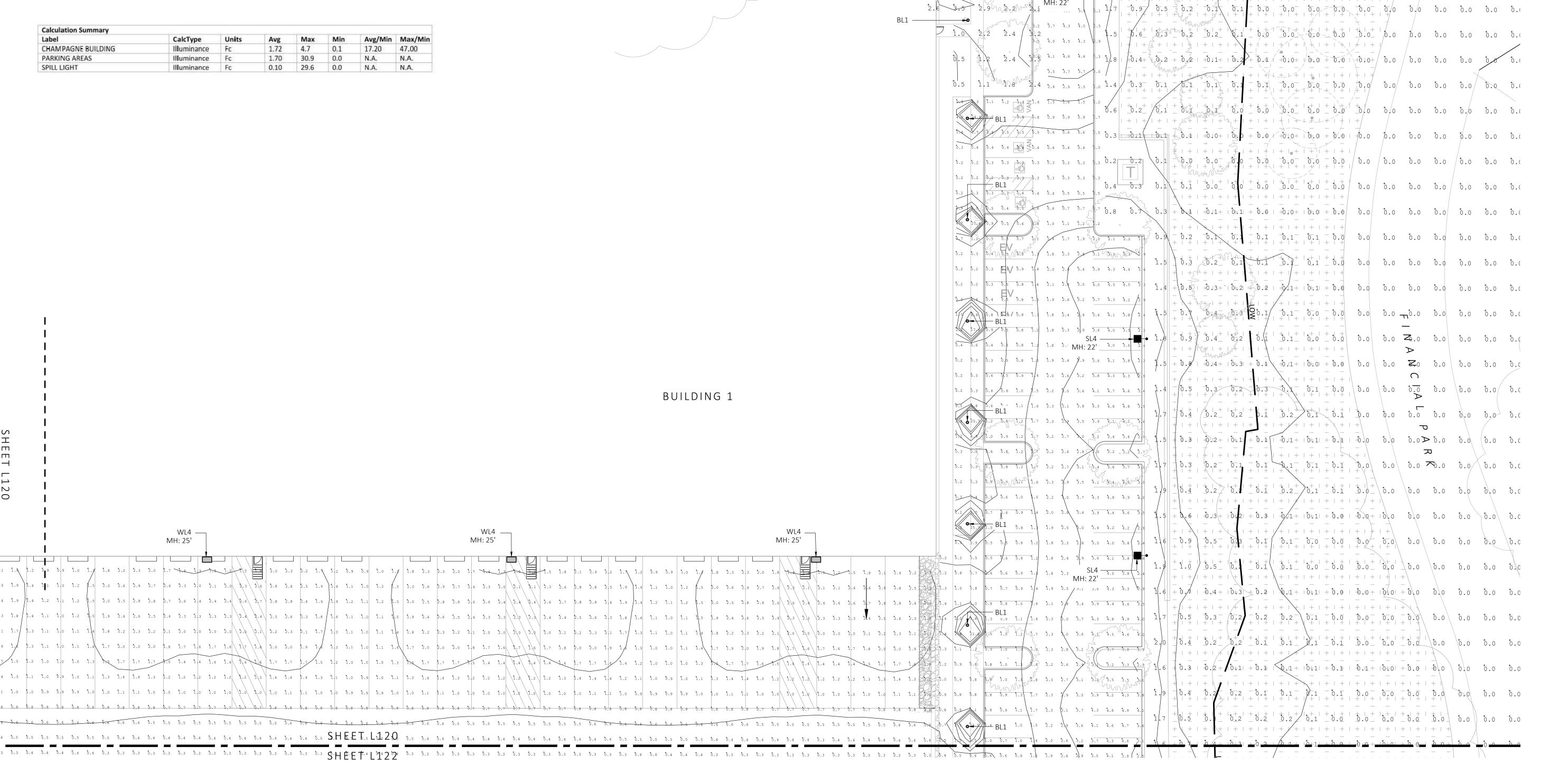
| SYMBOL | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                        |
|--------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|----------------------------|
| 0      | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                            |
| SL3    | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                            |
| SL4    | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-8996 |
| SL4-2  | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | BACK BACK              | COLOR:<br>BLK  | STEVE<br>PRUDHOMME         |
|        | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                            |
|        | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                            |
|        | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                |                            |

| Calculation Summary |             |       |      |      |     |         |         |
|---------------------|-------------|-------|------|------|-----|---------|---------|
| Label               | CalcType    | Units | Avg  | Max  | Min | Avg/Min | Max/Min |
| CHAMPAGNE BUILDING  | Illuminance | Fc    | 1.72 | 4.7  | 0.1 | 17.20   | 47.00   |
| PARKING AREAS       | Illuminance | Fc    | 1.70 | 30.9 | 0.0 | N.A.    | N.A.    |
| SPILL LIGHT         | Illuminance | Fc    | 0.10 | 29.6 | 0.0 | N.A.    | N.A.    |

WL4 -

MH: 25'

MH: 25'



SHEET L118

SHEET L120

WL1 ----

MH: 12'

<sup>†</sup>3.0 <sup>†</sup>2.0 <sup>†</sup>1.8 <sup>†</sup>1.5

<sup>2</sup>.7 <sup>2</sup>.3 <sup>4</sup>.4 <sup>5</sup>5.3

3 0 1.9 2.0 2.4

1.9 7.9 2.2 7.9

SHEET SHEET

REV. NO. DATE DESCRIPTION 1 7/17/23 RESPONSE TO COMMENTS
2 8/10/23 RESPONSE TO COMMENTS 3 8/25/23 RESPONSE TO COMMENTS

PHOTOMETRIC PLAN

CHECKED:
AS NOTED

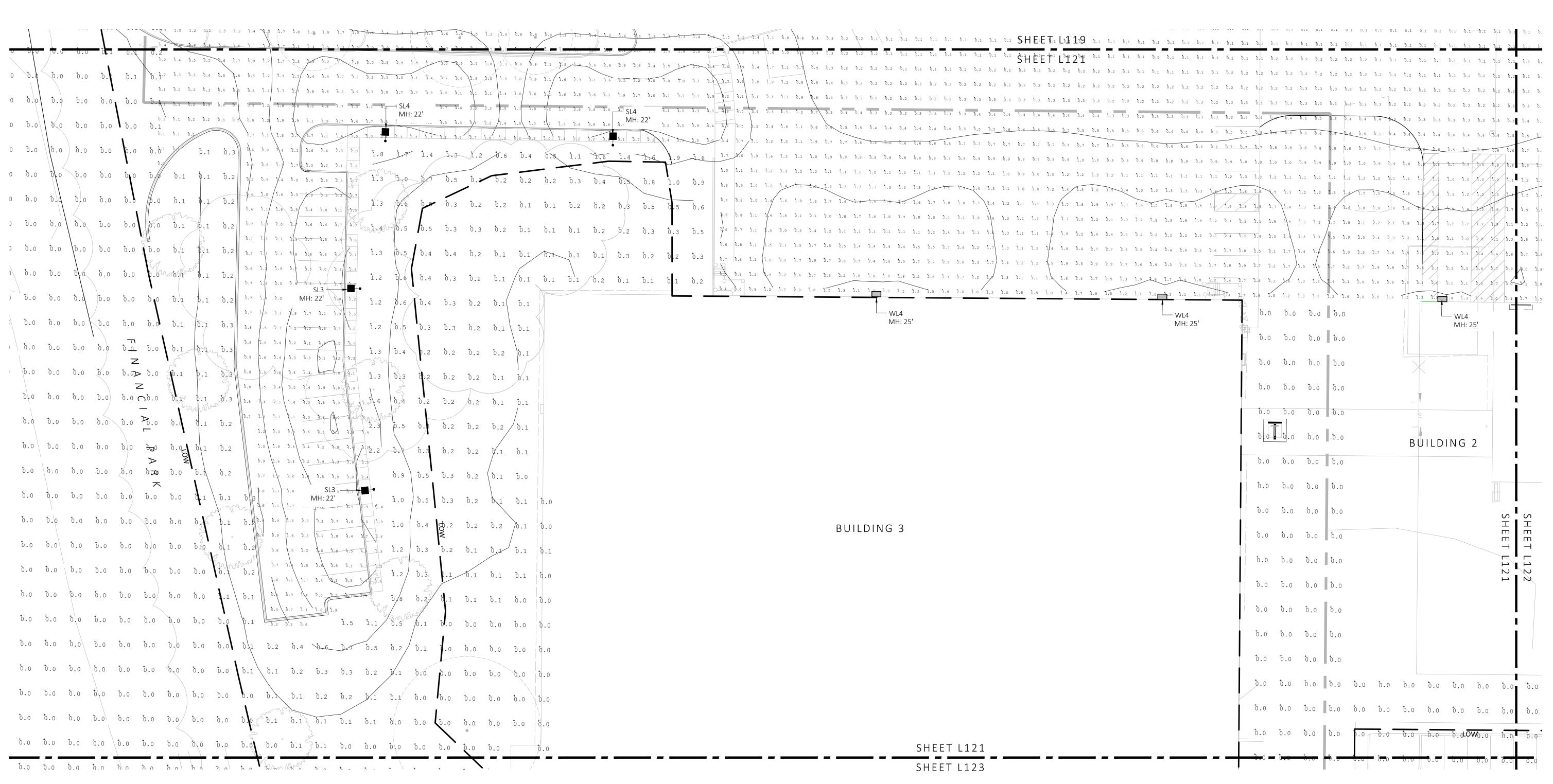
SCALE:
AS NOTED

DATE:

L121 SHEET 22 OF 24

| YMBOL      | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                       |
|------------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|---------------------------|
| 0          | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                           |
| SL3<br>■-• | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                           |
| SL4        | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-899 |
| SL4-2<br>■ | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | BACK BACK              | COLOR:<br>BLK  | STEVE<br>PRUDHOMN         |
|            | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|            | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|            | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                |                           |

| Calculation Summary |             |       |      |      |     |         |         |
|---------------------|-------------|-------|------|------|-----|---------|---------|
| Label               | CalcType    | Units | Avg  | Max  | Min | Avg/Min | Max/Mir |
| CHAMPAGNE BUILDING  | Illuminance | Fc    | 1.72 | 4.7  | 0.1 | 17.20   | 47.00   |
| PARKING AREAS       | Illuminance | Fc    | 1.70 | 30.9 | 0.0 | N.A.    | N.A.    |
| SPILL LIGHT         | Illuminance | Fc    | 0.10 | 29.6 | 0.0 | N.A.    | N.A.    |



+ \$\tilde{\tau}.6 \rangle | \frac{1}{2} \cdot - \tau\_.4 \rangle | \frac{1}{2} \cdot - \tau\_.6 \rangle | \frac

0

INDUSTRIAL ANCIAL PARK PROJECT
WAREHOUS
100 / 200 F
FRANKLIN,

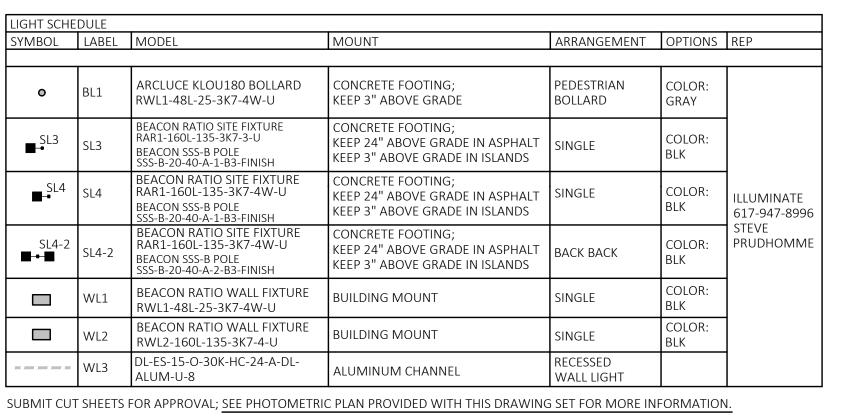
REV. NO. | DATE | DESCRIPTION

2 8/10/23 RESPONSE TO COMMENTS 3 8/25/23 RESPONSE TO COMMENTS

PHOTOMETRIC PLAN

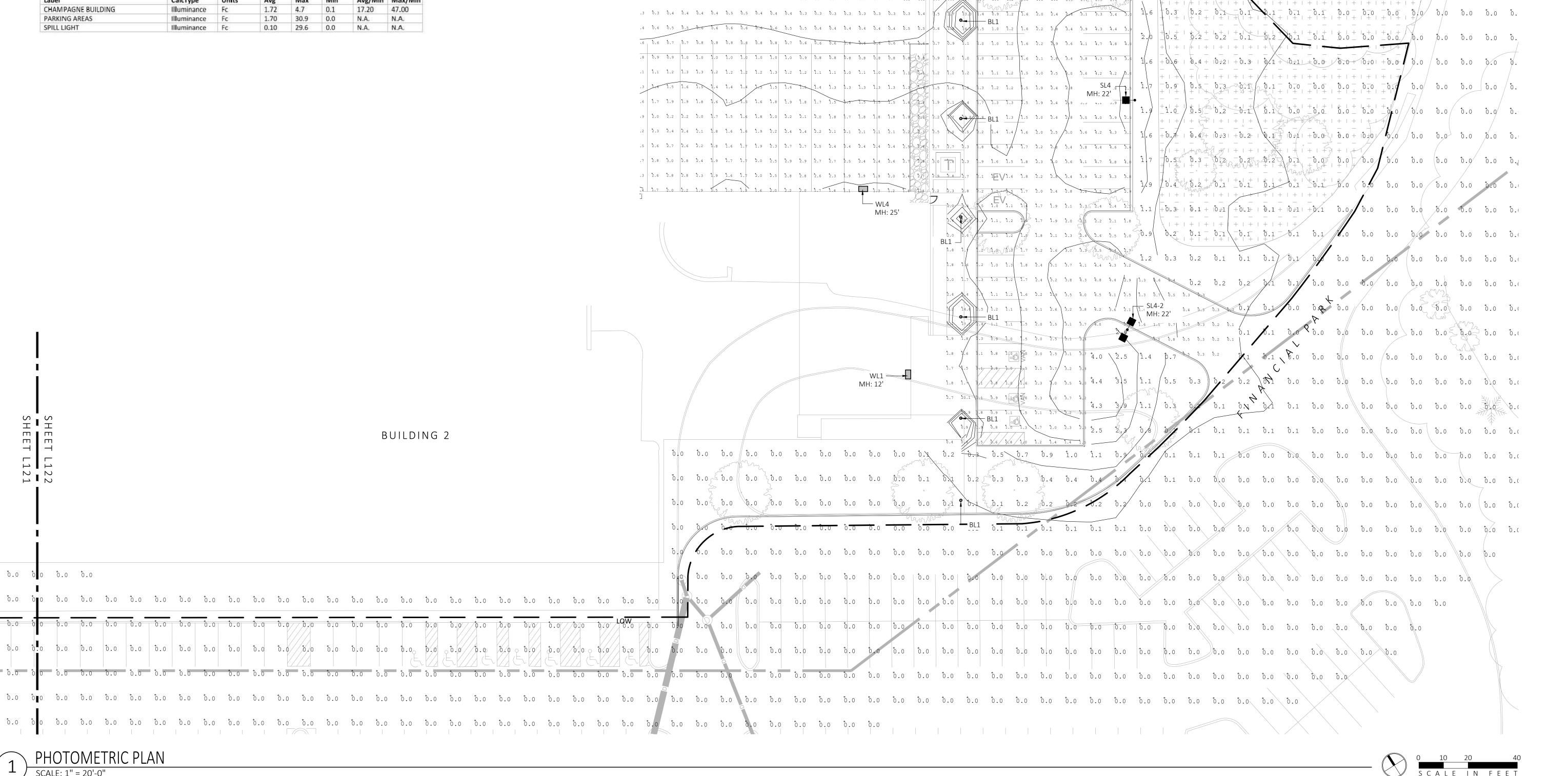
L122 AS NOTED
DATE:

SHEET 23 OF 24



BUILDING 2

| Calculation Summary |             |       |      |      |     |         |         |
|---------------------|-------------|-------|------|------|-----|---------|---------|
| Label               | CalcType    | Units | Avg  | Max  | Min | Avg/Min | Max/Mir |
| CHAMPAGNE BUILDING  | Illuminance | Fc    | 1.72 | 4.7  | 0.1 | 17.20   | 47.00   |
| PARKING AREAS       | Illuminance | Fc    | 1.70 | 30.9 | 0.0 | N.A.    | N.A.    |
| SPILL LIGHT         | Illuminance | Fc    | 0.10 | 29.6 | 0.0 | N.A.    | N.A.    |



0.6 0.8 1.3 1.8 2.4 2.9 3.6 4.1 3.8

0.6 0.8 1.3 1.8 2.4 2.9 5 = 3 0 5

\$.6 5.8 1.8 1.9 2.4 \$2.9 MH: 22'.1

7 0.7 1.0 1.5 2.2 2.9 3.5 4.1 4.5 4.6 3.

0.7 0.6 0.9 1/3 2.0 2.7/ 3.2 3.8 4.3 4.4

BL1 0.9 1.4 2.1 2/9 3.6 4.1 4.6 4.7

2 0.3 0.3 0.4 0.6 0.8 1.1 1.5 1.9 2.2 2.4 2.6 2.7 2.8 2.4

PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

SHEET SHEET

to.o to to to.o to.o

| TAMP REGISTER | SACH<br>CAREVI | 30/5                 |
|---------------|----------------|----------------------|
| V. NO.        | DATE           | DESCRIPTION          |
|               | 5/11/23        | FOR PERMIT           |
| 1             | 7/17/23        | RESPONSE TO COMMENTS |
|               |                | RESPONSE TO          |

|          | 7//////// | 1111111111           |
|----------|-----------|----------------------|
| REV. NO. | DATE      | DESCRIPTION          |
|          | 5/11/23   | FOR PERMIT           |
| 1        | 7/17/23   | RESPONSE TO COMMENTS |
| 2        | 8/10/23   | RESPONSE TO COMMENTS |
| 3        | 8/25/23   | RESPONSE TO COMMENTS |
|          |           |                      |
|          |           |                      |
|          |           |                      |
| •        |           |                      |

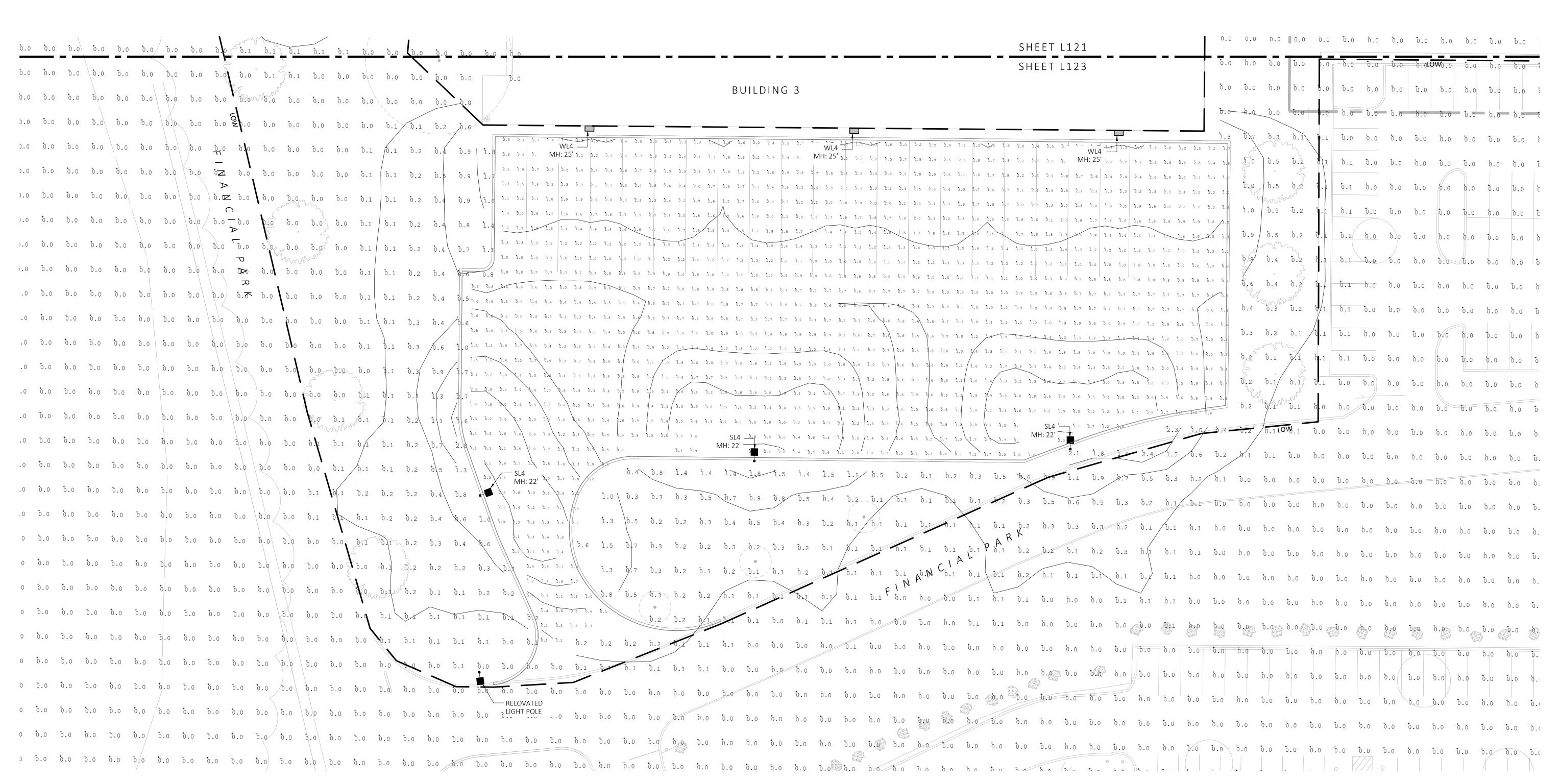
PHOTOMETRIC PLAN

L123

SHEET 24 OF 24

| YMBOL | LABEL | MODEL                                                                                                 | MOUNT                                                                                  | ARRANGEMENT            | OPTIONS        | REP                       |
|-------|-------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------|----------------|---------------------------|
| 0     | BL1   | ARCLUCE KLOU180 BOLLARD<br>RWL1-48L-25-3K7-4W-U                                                       | CONCRETE FOOTING;<br>KEEP 3" ABOVE GRADE                                               | PEDESTRIAN<br>BOLLARD  | COLOR:<br>GRAY |                           |
| SL3   | SL3   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-3-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH  | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  |                           |
| SL4   | SL4   | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-1-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | SINGLE                 | COLOR:<br>BLK  | ILLUMINATE<br>617-947-899 |
| SL4-2 | SL4-2 | BEACON RATIO SITE FIXTURE<br>RAR1-160L-135-3K7-4W-U<br>BEACON SSS-B POLE<br>SSS-B-20-40-A-2-B3-FINISH | CONCRETE FOOTING;<br>KEEP 24" ABOVE GRADE IN ASPHALT<br>KEEP 3" ABOVE GRADE IN ISLANDS | ВАСК ВАСК              | COLOR:<br>BLK  | STEVE<br>PRUDHOMN         |
|       | WL1   | BEACON RATIO WALL FIXTURE<br>RWL1-48L-25-3K7-4W-U                                                     | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|       | WL2   | BEACON RATIO WALL FIXTURE<br>RWL2-160L-135-3K7-4-U                                                    | BUILDING MOUNT                                                                         | SINGLE                 | COLOR:<br>BLK  |                           |
|       | WL3   | DL-ES-15-O-30K-HC-24-A-DL-<br>ALUM-U-8                                                                | ALUMINUM CHANNEL                                                                       | RECESSED<br>WALL LIGHT |                |                           |

| Calculation Summary |             |       |      |      |     |         |         |
|---------------------|-------------|-------|------|------|-----|---------|---------|
| Label               | CalcType    | Units | Avg  | Max  | Min | Avg/Min | Max/Min |
| CHAMPAGNE BUILDING  | Illuminance | Fc    | 1.72 | 4.7  | 0.1 | 17.20   | 47.00   |
| PARKING AREAS       | Illuminance | Fc    | 1.70 | 30.9 | 0.0 | N.A.    | N.A.    |
| SPILL LIGHT         | Illuminance | Fc    | 0.10 | 29.6 | 0.0 | N.A.    | N.A.    |





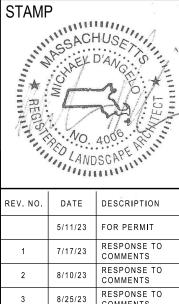
MICHAEL D'ANGELO ANDSCAPE ARCHITECTURE LL 840 SUMMER STREET SUITE 201A BOSTON, MA 02127

840 SUMMER STREET SUITE 201A BOSTON, MA 02127 t. 203.592.4788 www.m-d-l-a.com

70

CLIENT
V. BERKELEY PARTNERS
1 WASHINGTON MALL, SUITE
BOSTON, MA

PROJECT WAREHOUSE / INDUSTRIAL DE 100 / 200 FINANCIAL PARK FRANKLIN, MA



5/11/23 FOR PERMIT

1 7/17/23 RESPONSE TO COMMENTS

2 8/10/23 RESPONSE TO COMMENTS

3 8/25/23 RESPONSE TO COMMENTS

LANDSCAPE DETAILS

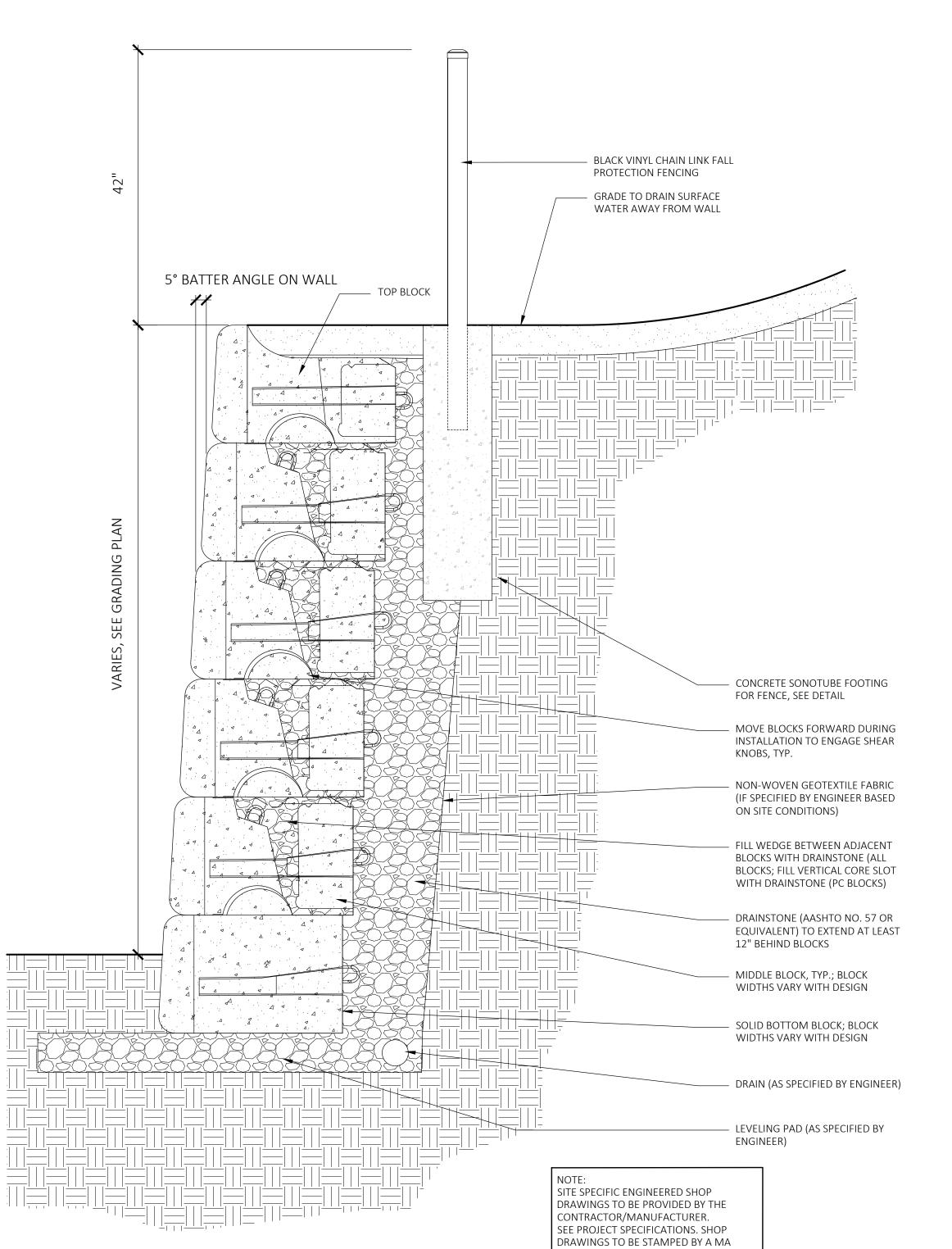
DRAWN:
NC
CHECKED:
AS NOTED
SCALE:
AS NOTED
DATE:

SHEET 19 OF 24

plot date: 8/25/2023

GRAVITY BLOCK RETAINING WALL

SCALE: 1" = 1'-0"



PROFESSIONAL ENGINEER.