

# CONSTITUTION GARDENS | LAKE PROJECT

CFA + NCPC PRESENTATION FOR FINAL APPROVAL



NATIONAL PARK SERVICE / TRUST FOR THE NATIONAL MALL  
PWP LANDSCAPE ARCHITECTURE  
FEBRUARY 1, 2024

CONSTITUTION GARDENS FULL PROJECT AREA  
- CFA CONCEPT APPROVAL, RECEIVED SEPT. 2014

PHASE 2: CONSTITUTION  
GARDENS LAKE PROJECT

Phase 1: Lockkeeper's House Relocation and Plaza  
- Completed 2018



CONSTITUTION AVENUE

17TH ST

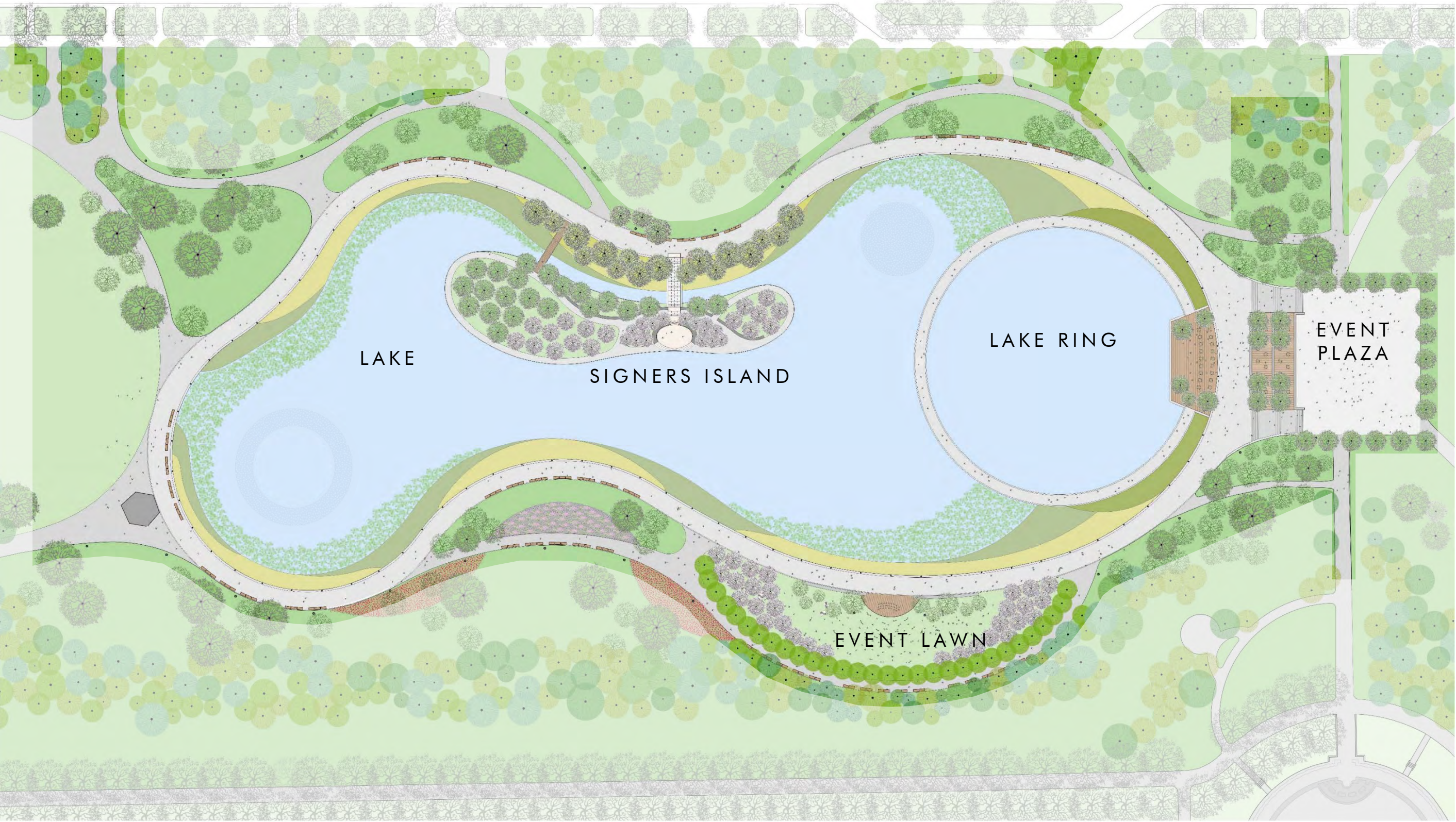
LAKE

SIGNERS ISLAND

LAKE RING

EVENT PLAZA

EVENT LAWN



CONSTITUTION AVENUE

17TH ST

LAKE

SIGNERS ISLAND

LAKE RING

EVENT PLAZA

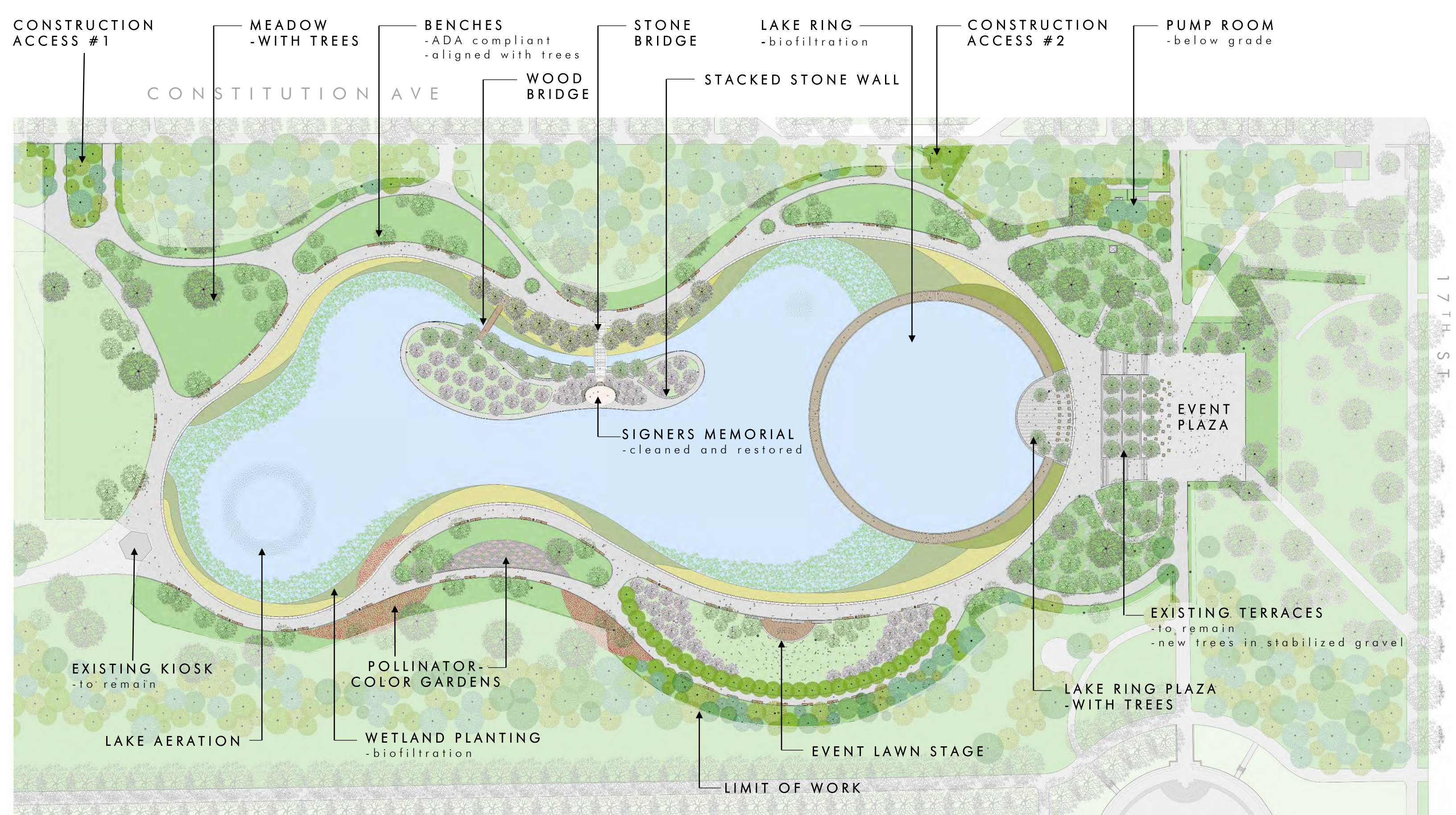
EVENT LAWN

SCALE: 0' 10' 20' 40' 60' 80'

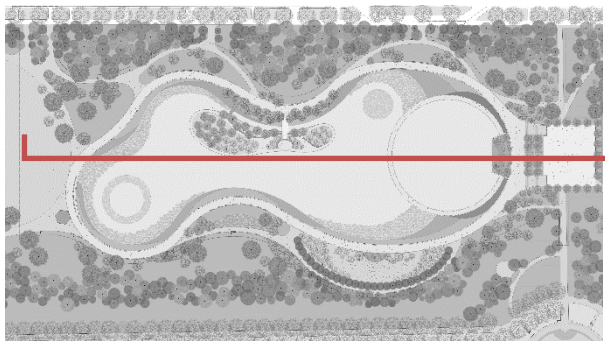
N

ILLUSTRATIVE PLAN | UPDATED ILLUSTRATIVE SITE PLAN





ILLUSTRATIVE PLAN | UPDATED ILLUSTRATIVE SITE PLAN



KEY PLAN



SITE SECTION



SITE SECTION – EAST END

# BUILDING A HEALTHY SITE THROUGH AN INTEGRATED DESIGN - FOCUSED ON BOTH LAND AND WATER

SOILS DRAINAGE PLANTING LAKE DEPTH AERATION BIOLOGICAL AND MECHANICAL FILTRATION



BUILDING A HEALTHY ECOLOGICAL GARDEN



CONSTITUTION GARDENS LAKE PROJECT – PREVIOUS DESIGN





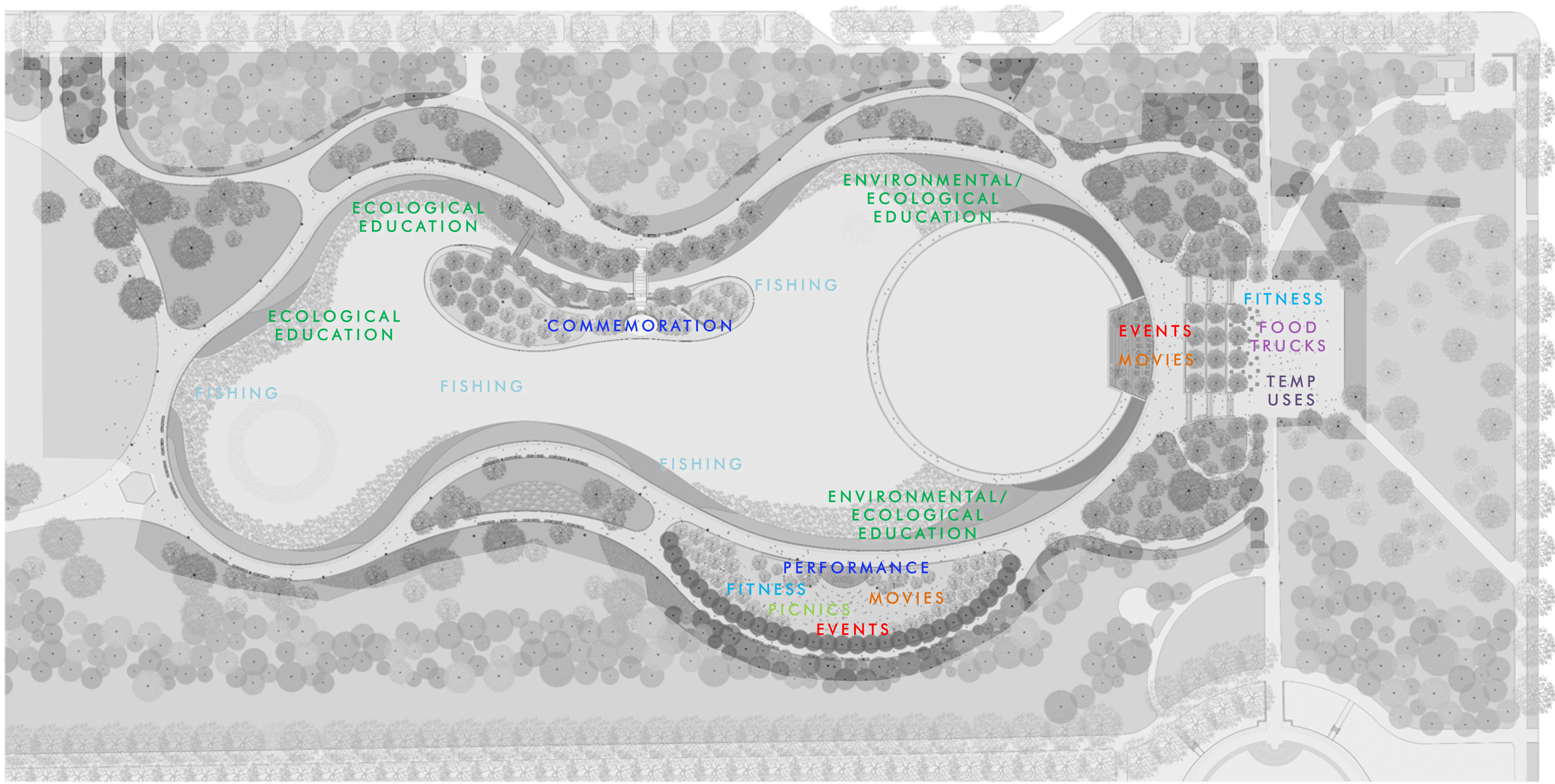
WASHINGTON GLOBE  
LIGHT FIXTURE

BENCHES  
-ADA COMPLIANT

RAISED STONE CURB

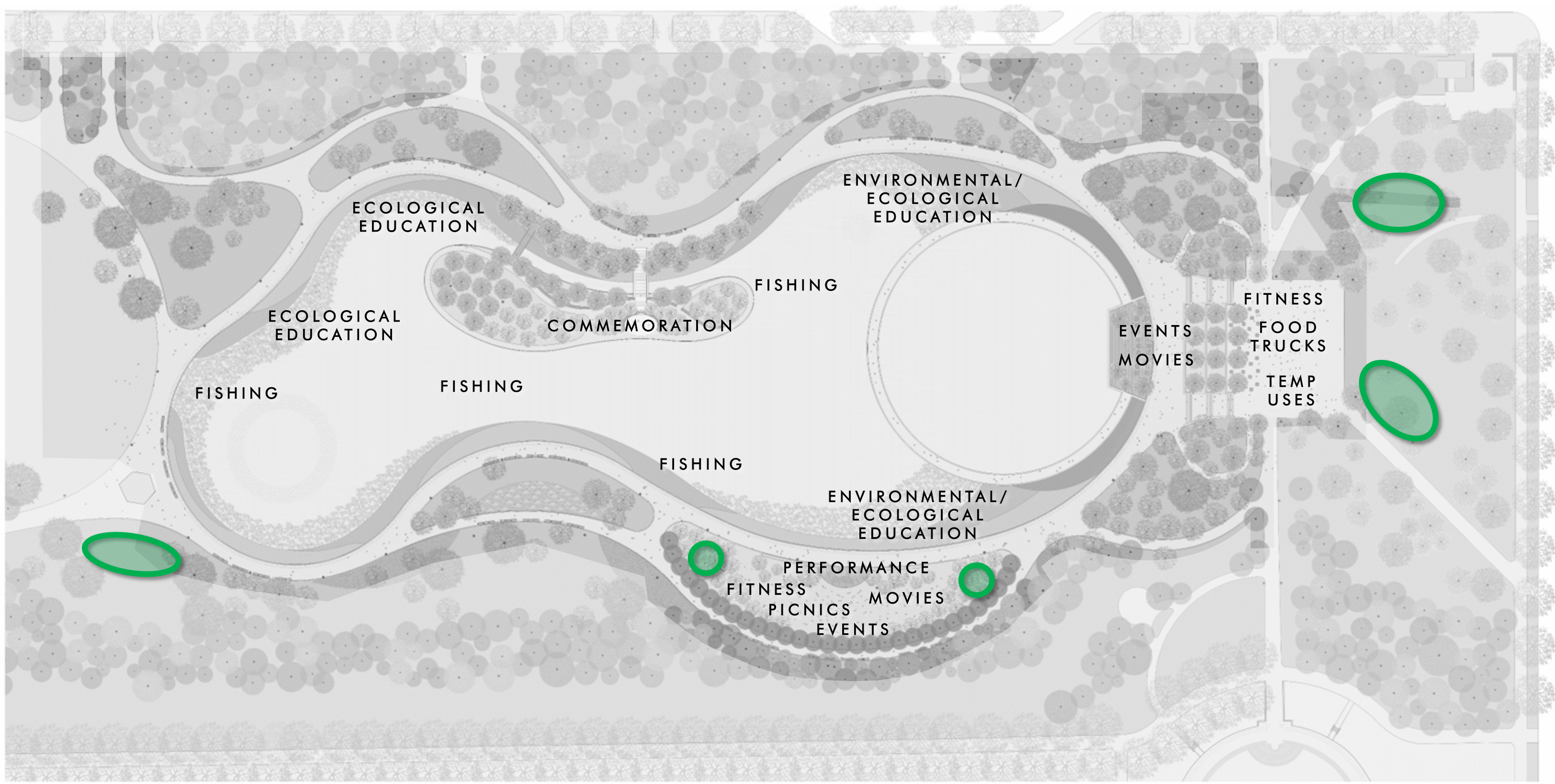
FLUSH CONCRETE CURB

ASPHALT PAVING



PROGRAM AND ACTIVATION ACROSS THE GARDEN





SCALE 0 10 20 30 40 50 60

FUTURE OPPORTUNITIES FOR NATURE PLAY



NATURE PLAY PRECEDENT IMAGES

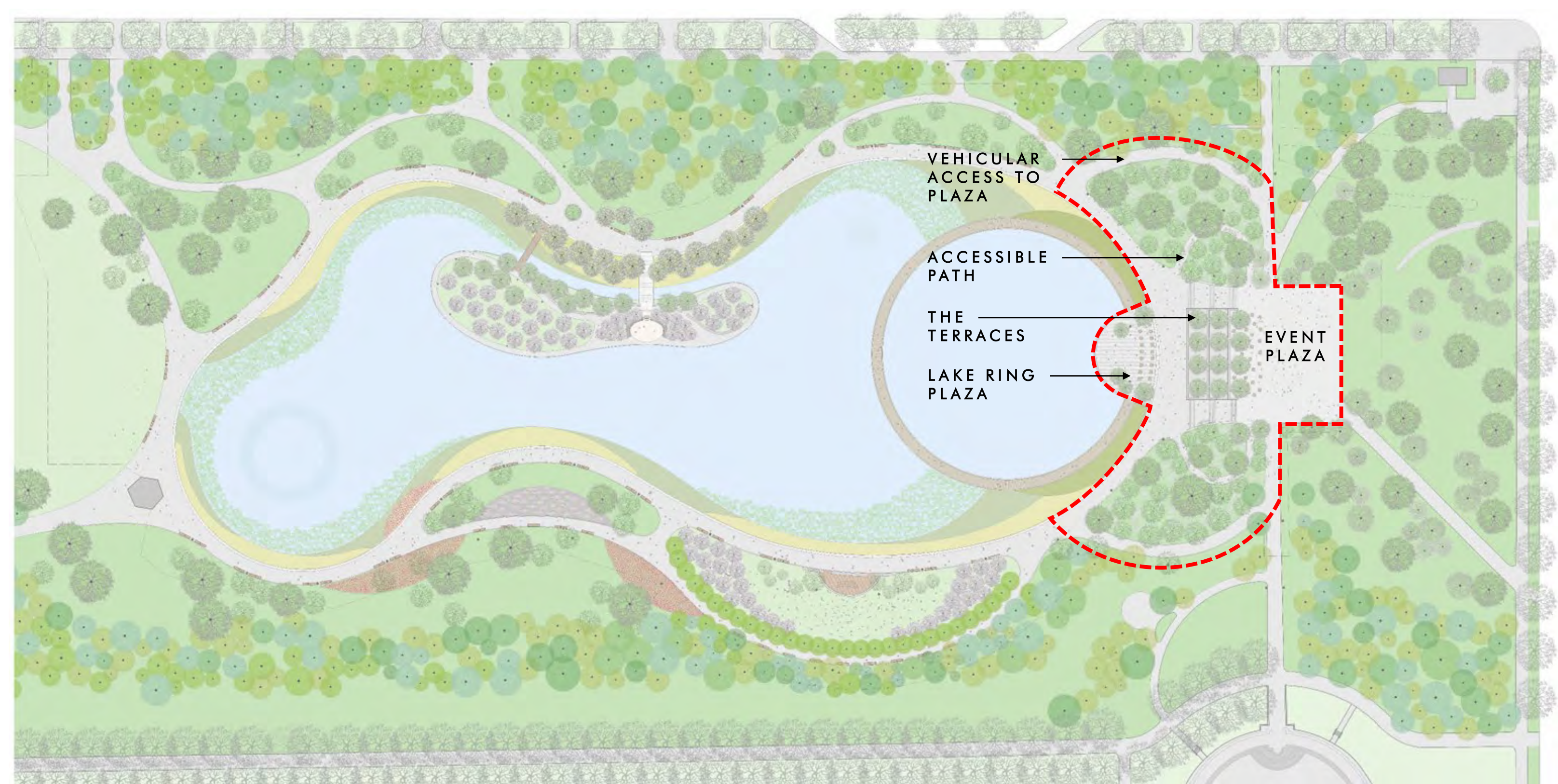


TABLE / TENT EVENTS

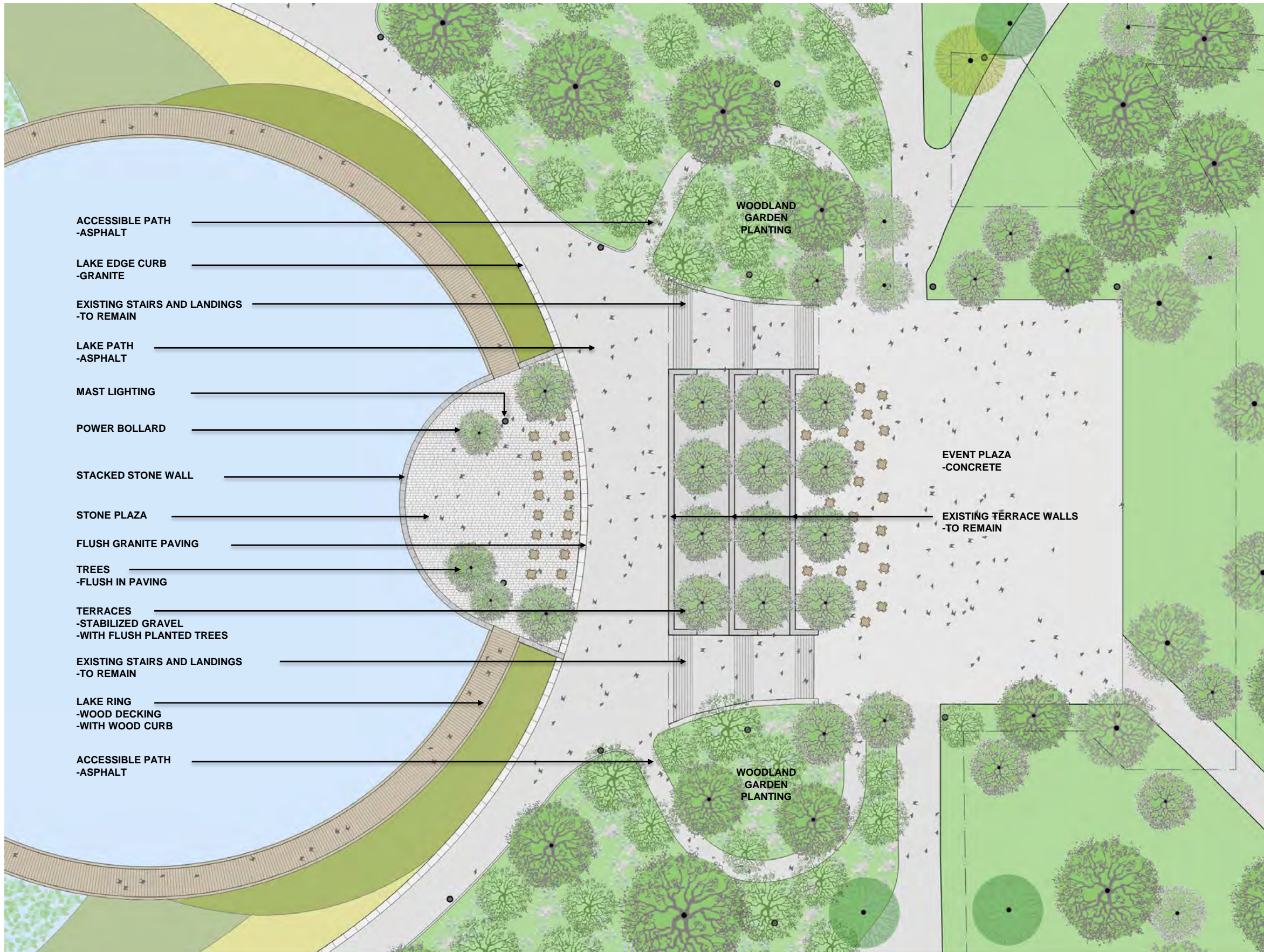
FOOD TRUCKS

INFORMAL MOVEABLE FURNITURE

FORMAL SEATED EVENTS

TEMPORARY USES

EVENT PLAZA, TERRACES, AND LAKE RING PLAZA



## ACTIVATION AND USES

- FOOD TRUCKS
- TENTED EVENTS
- MOVABLE OR FIXED FURNITURE
- BEER GARDEN / PICNIC TABLES
- MOVIES
- FITNESS CLASSES
- ART INSTALLATIONS
- TEMPORARY USES



EXISTING TERRACES AND PLAZA





EXISTING TERRACES AND PLAZA



MOVABLE FURNITURE AND SEATING INSTALLATIONS



BEER GARDEN



ART INSTALLATIONS



FOOD TRUCKS

STONE PLAZA  
-WITH FLUSH TREE PLANTING  
-WITH STACKED RETAINING WALL EDGE

ASPHALT PATH

STABILIZED GRAVEL TERRACE  
-WITH TREE PLANTING

EXISTING TERRACE WALLS  
-TO REMAIN

MOVABLE FURNITURE

NEW CONCRETE PAVING

WASHINGTON GLOBE LIGHT

INFORMAL WOODLAND TREES

MAST LIGHTS



LAKE RING PLAZA

LAKE PATH

THE TERRACES

THE EVENT PLAZA

EVENT PLAZA, TERRACES, AND THE LAKE RING DECK



EVENT PLAZA, TERRACES, AND THE LAKE RING DECK



ACCESSIBLE PATHS AT EVENT PLAZA



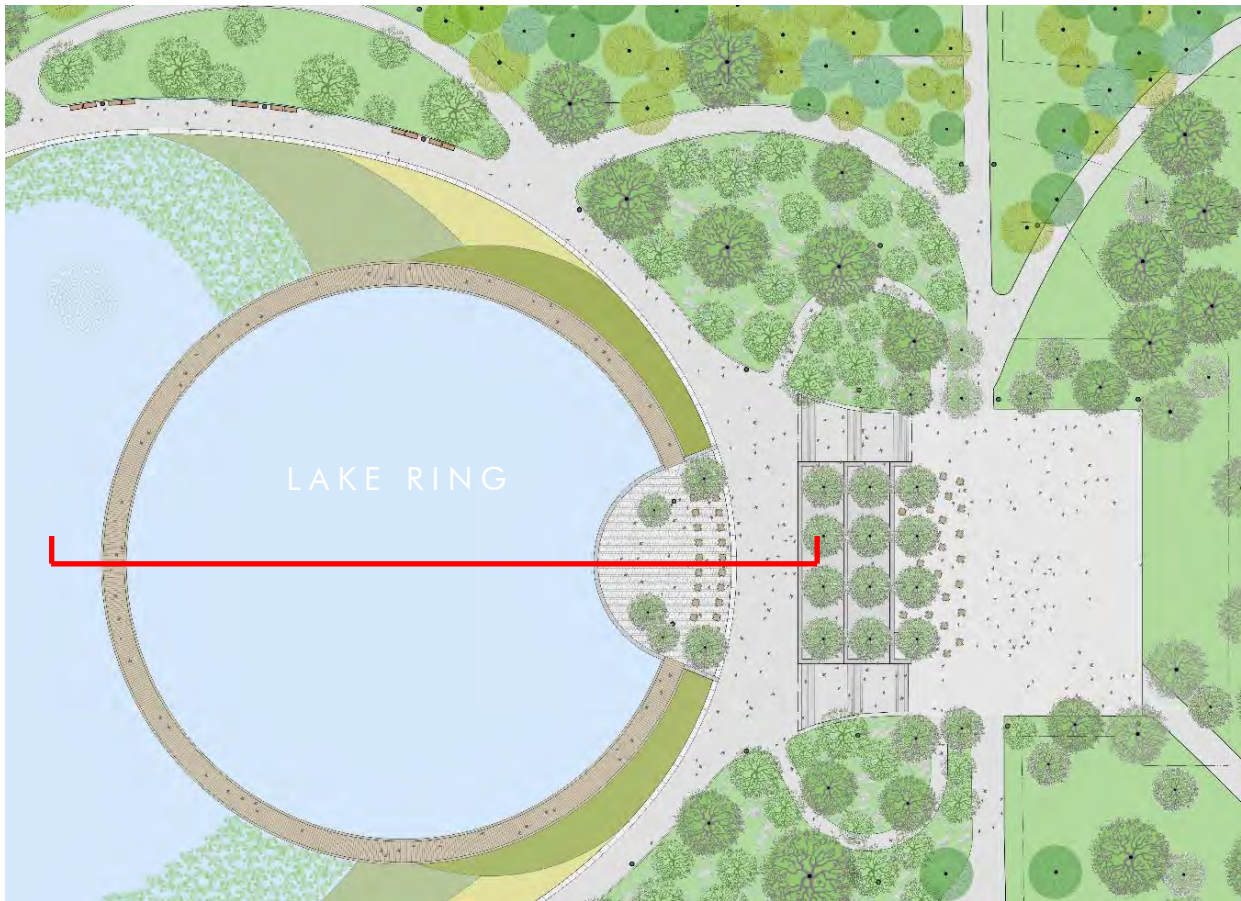
ACCESSIBLE PATHS AT EVENT PLAZA



ACCESSIBLE PATHS AT EVENT PLAZA



LAKE RING







GRANITE STONE – MEDIUM GRAY



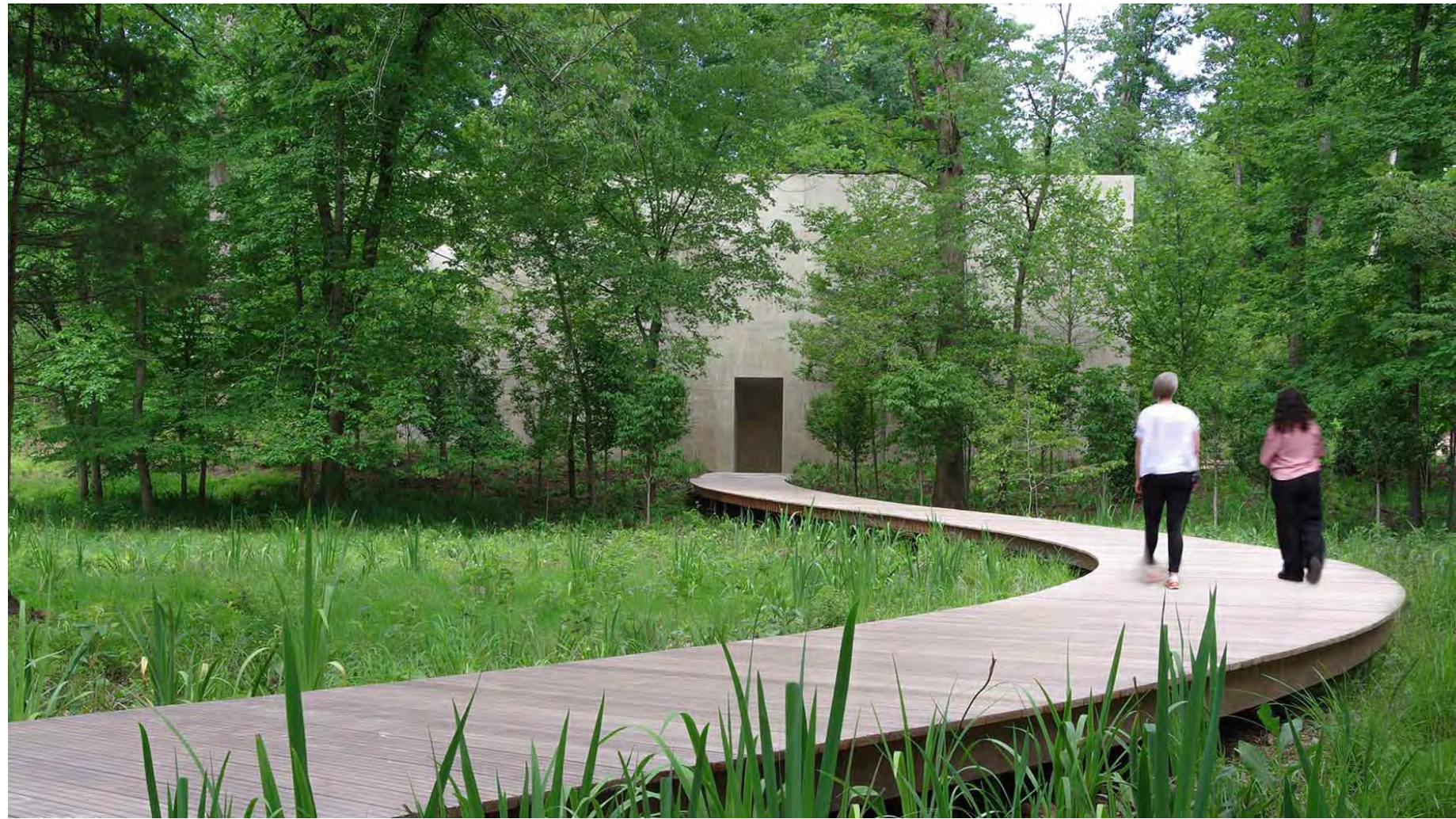
WOOD DECKING WITH WOOD CURBS



GRANITE STONE – CHARCOAL



WOOD DECKING WITH GRANITE CURBS









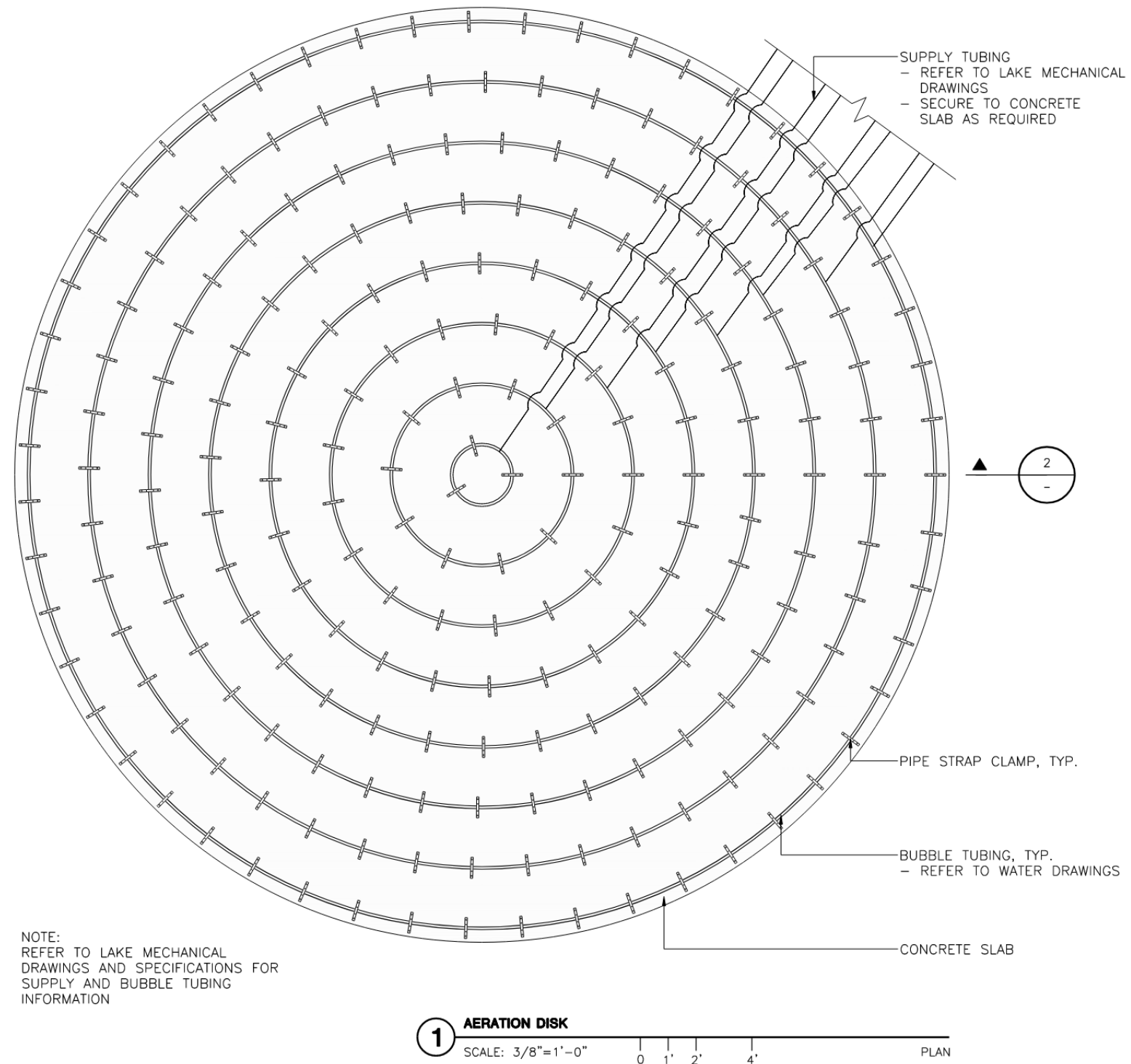
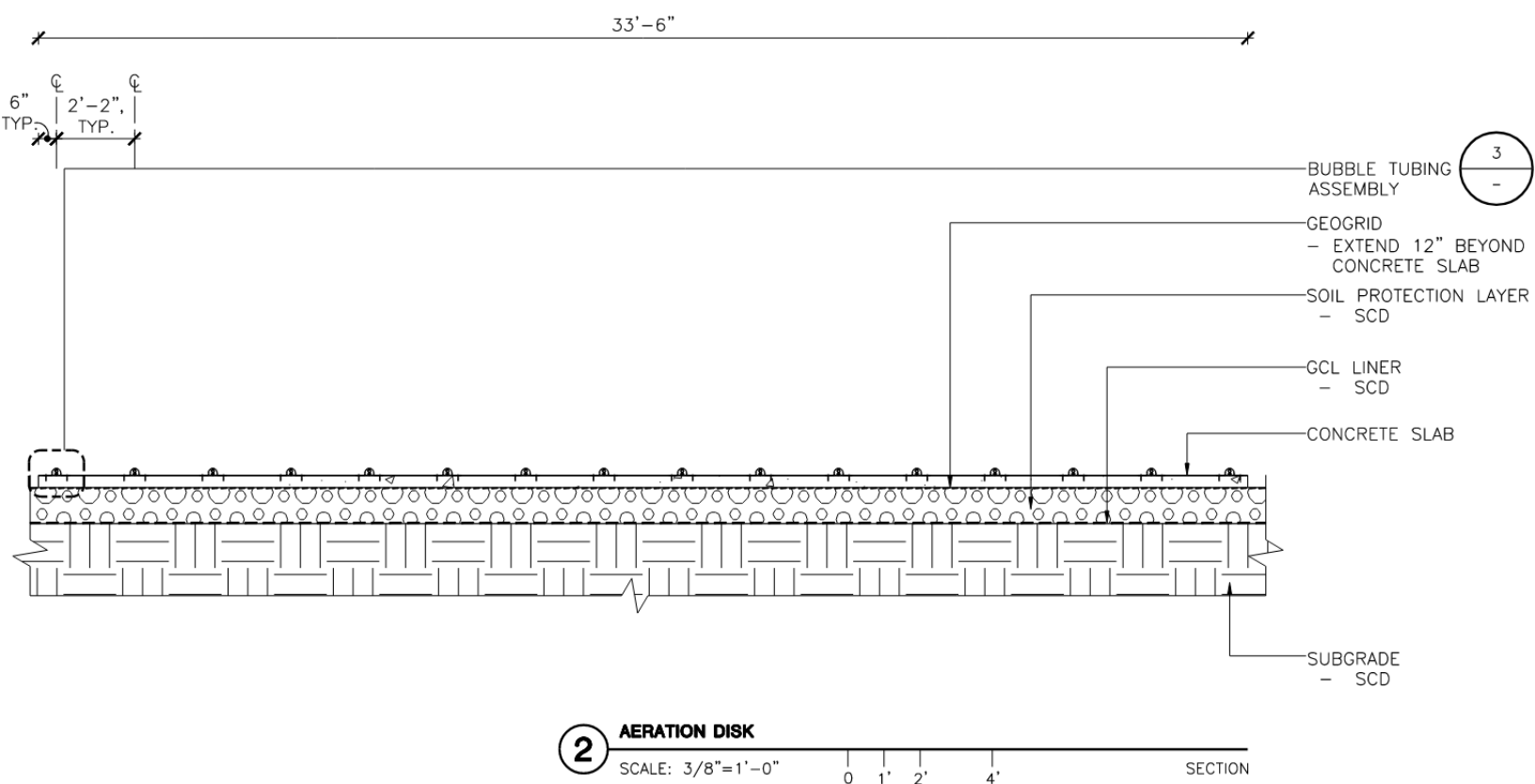
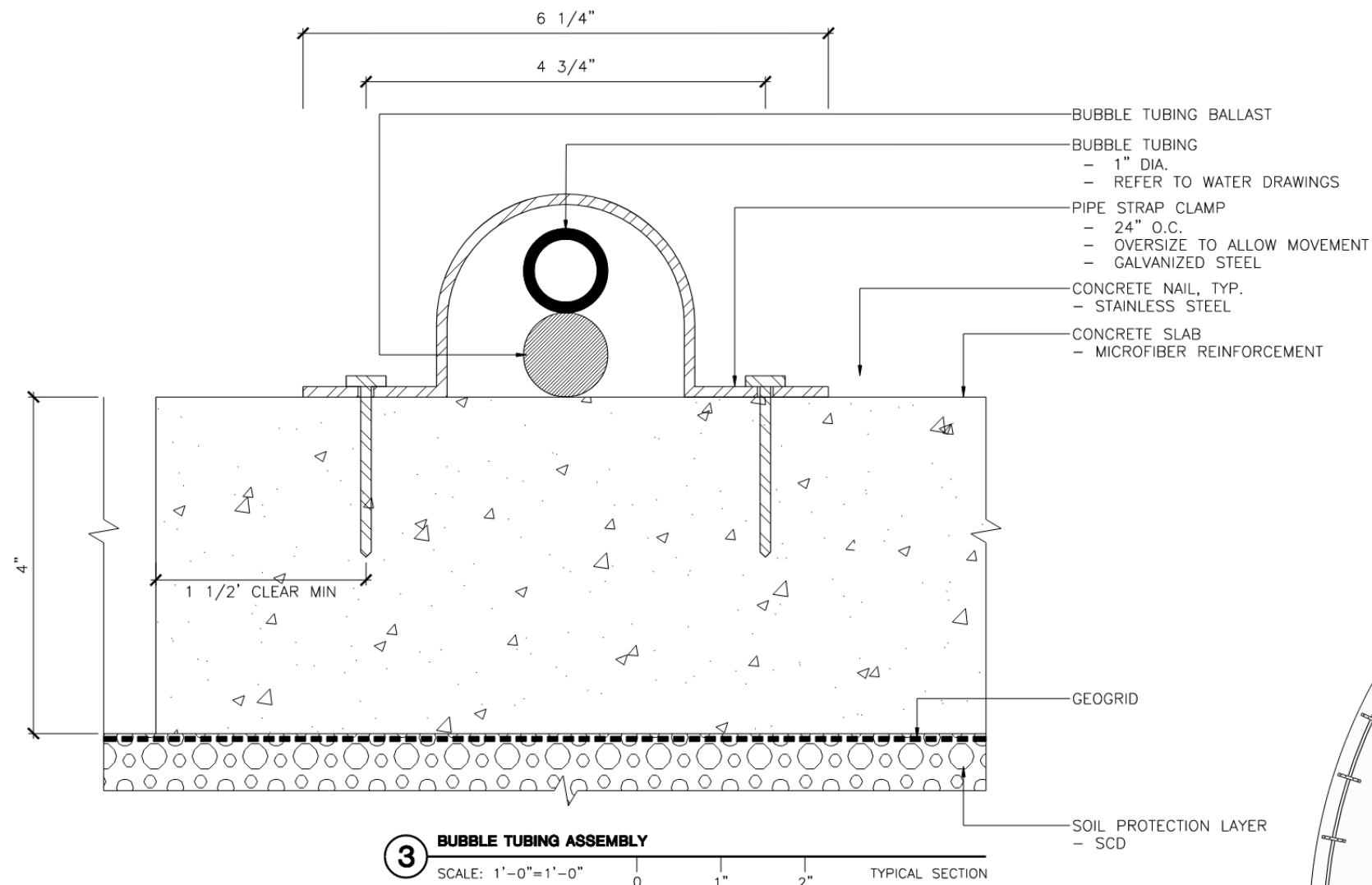
EVENT PLAZA, TERRACES, AND THE LAKE RING DECK



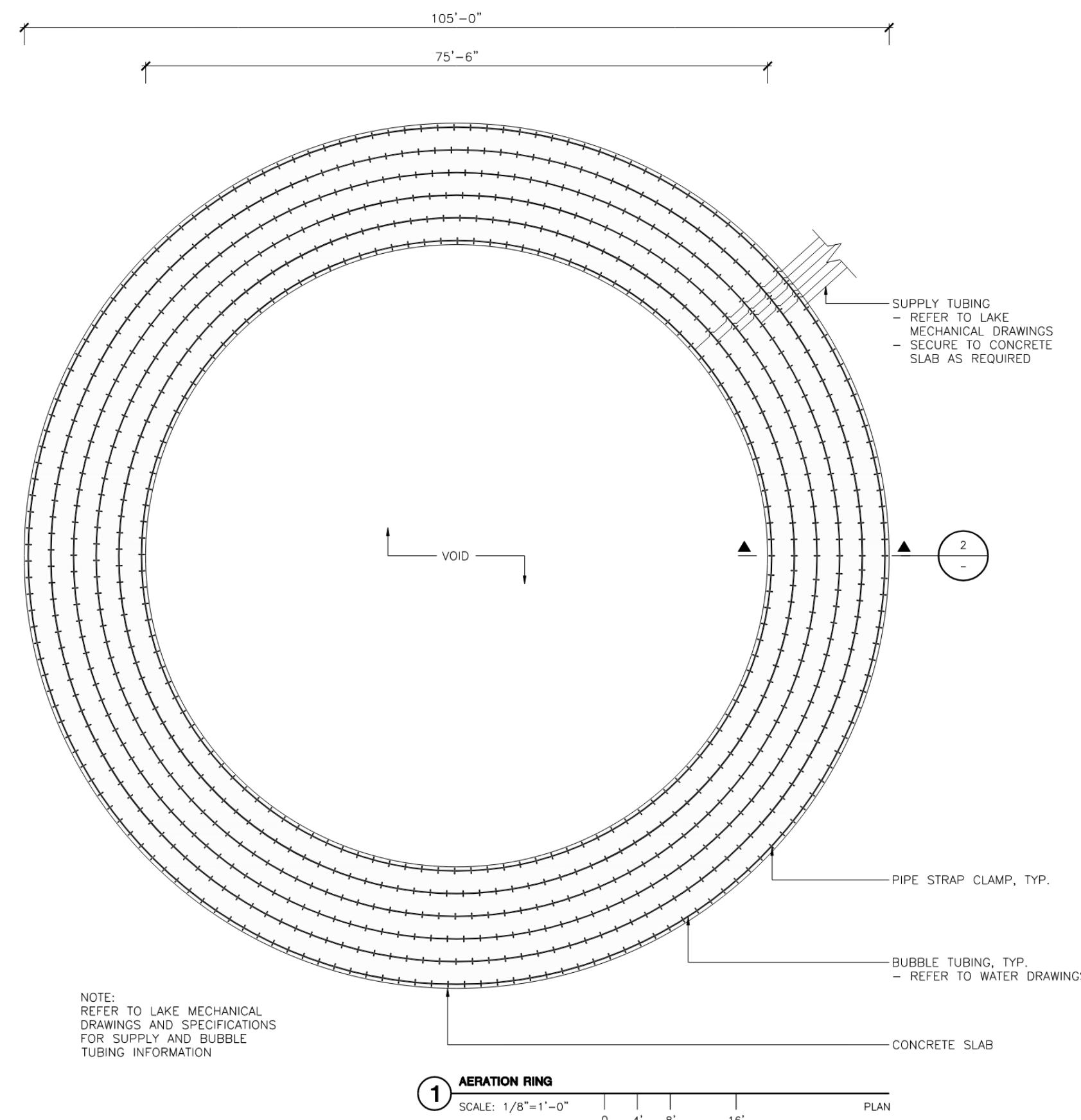
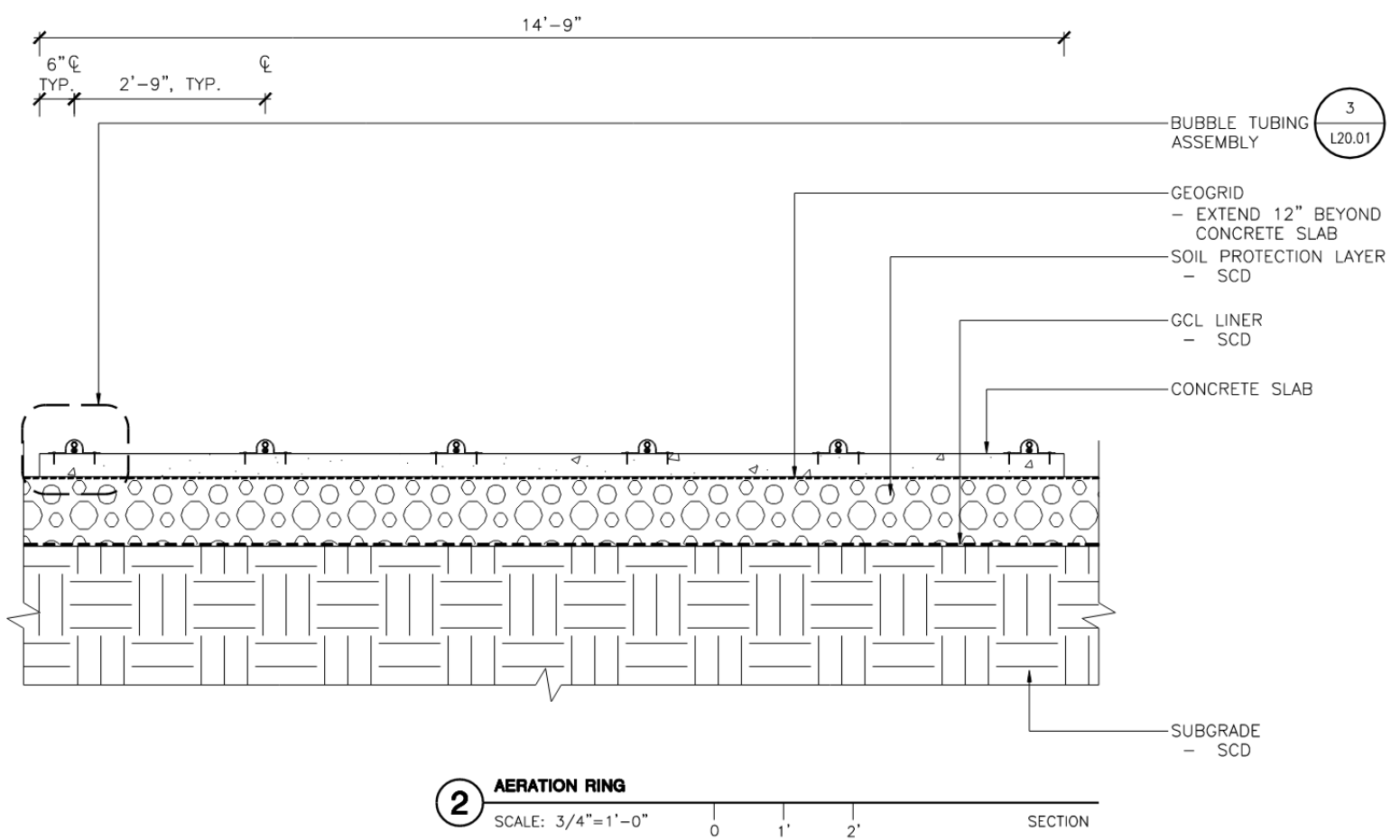
AERATION RING

AERATION DISC











CONCERT / PERFORMANCE

LECTURE / TOUR TALK

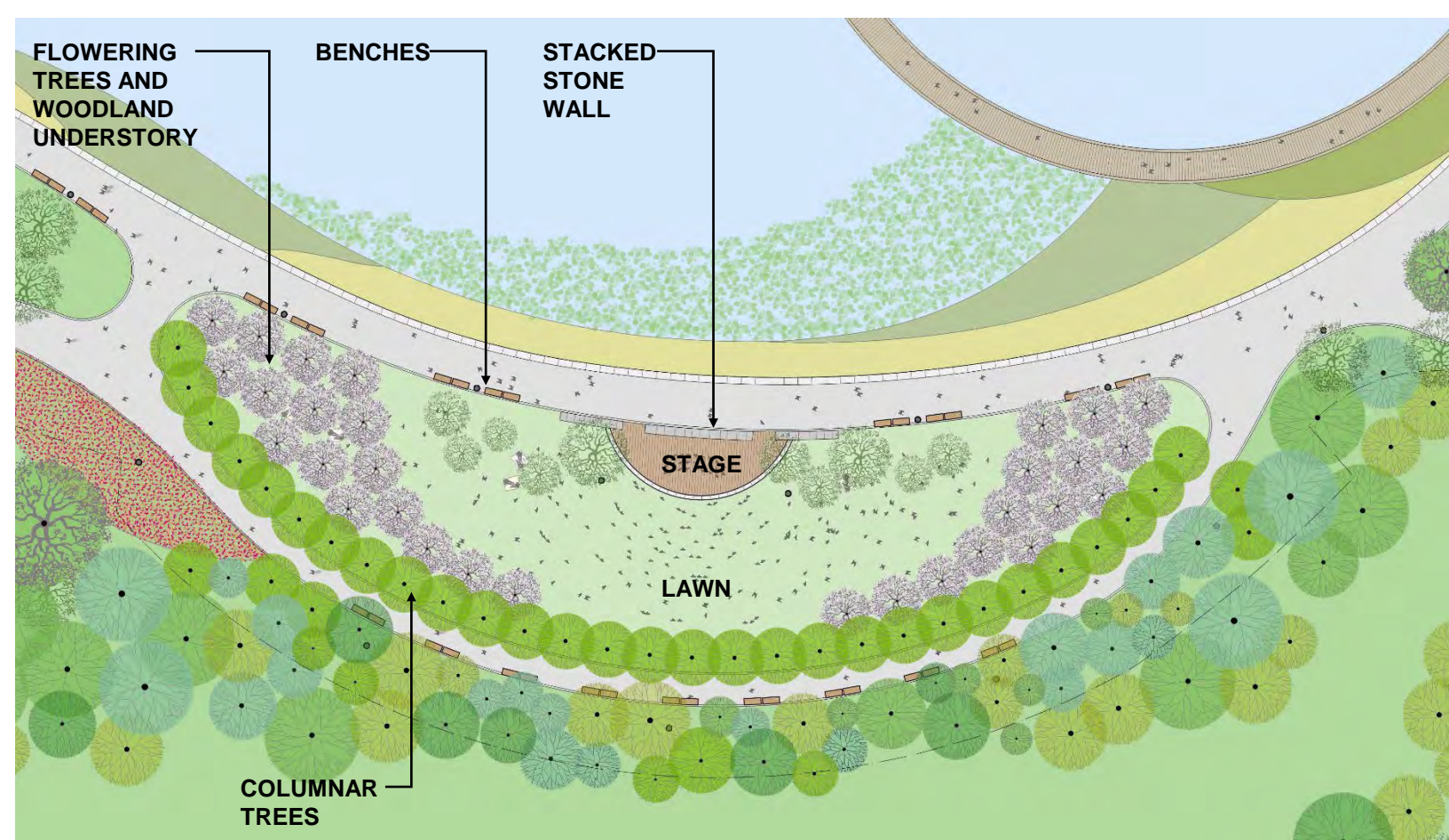
MOVIE SCREENING

PICNICS

FITNESS

SCHOOL GROUPS

THE EVENT LAWN | FLEXIBLE, MULTI-PURPOSE LAWN



## EVENT LAWN

- FLEXIBLE GATHERING SPACE OVERLOOKING THE LAKE
- STAGE FOR SMALLER OR LARGER EVENTS
- CONCERT / PERFORMANCE
- LECTURE / TOUR TALK
- MOVIE SCREENINGS
- PICNICS AND INFORMAL GATHERINGS
- LIGHTING & POWER CONNECTIONS



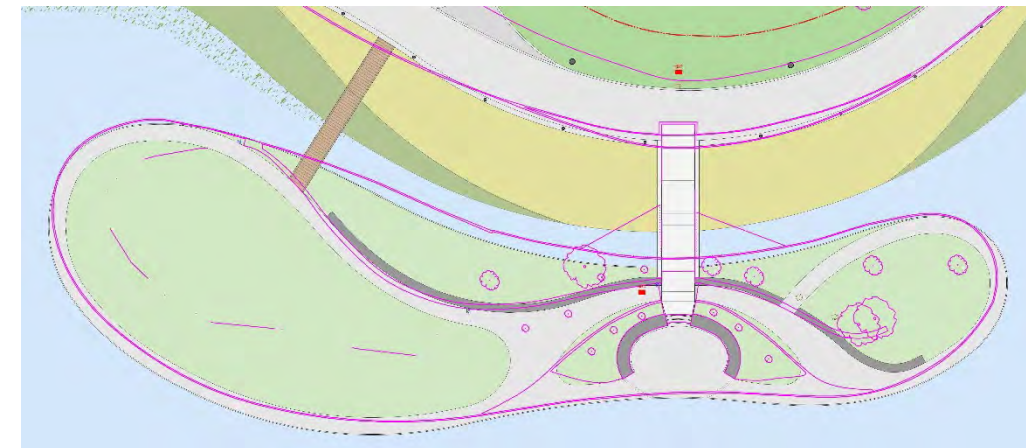
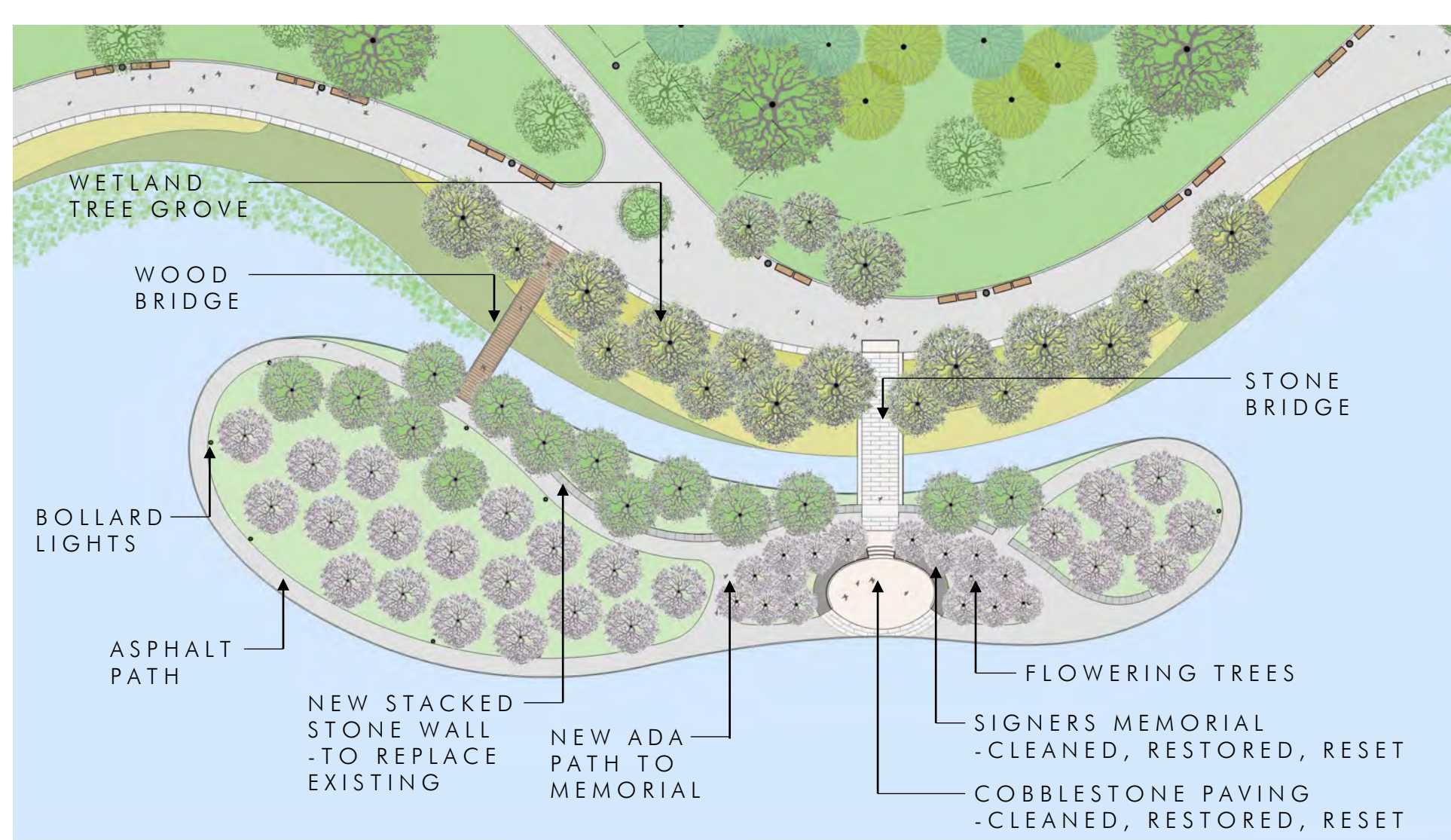
THE EVENT LAWN | FLEXIBLE, MULTI-PURPOSE LAWN



THE EVENT LAWN | FLEXIBLE, MULTI-PURPOSE LAWN



SIGNERS ISLAND



EXISTING ISLAND OVERLAY ON NEW PLAN



EXISTING EDGE



EXISTING, NON-ADA COMPLIANT BRIDGE



SIGNERS' MEMORIAL AND STEPS

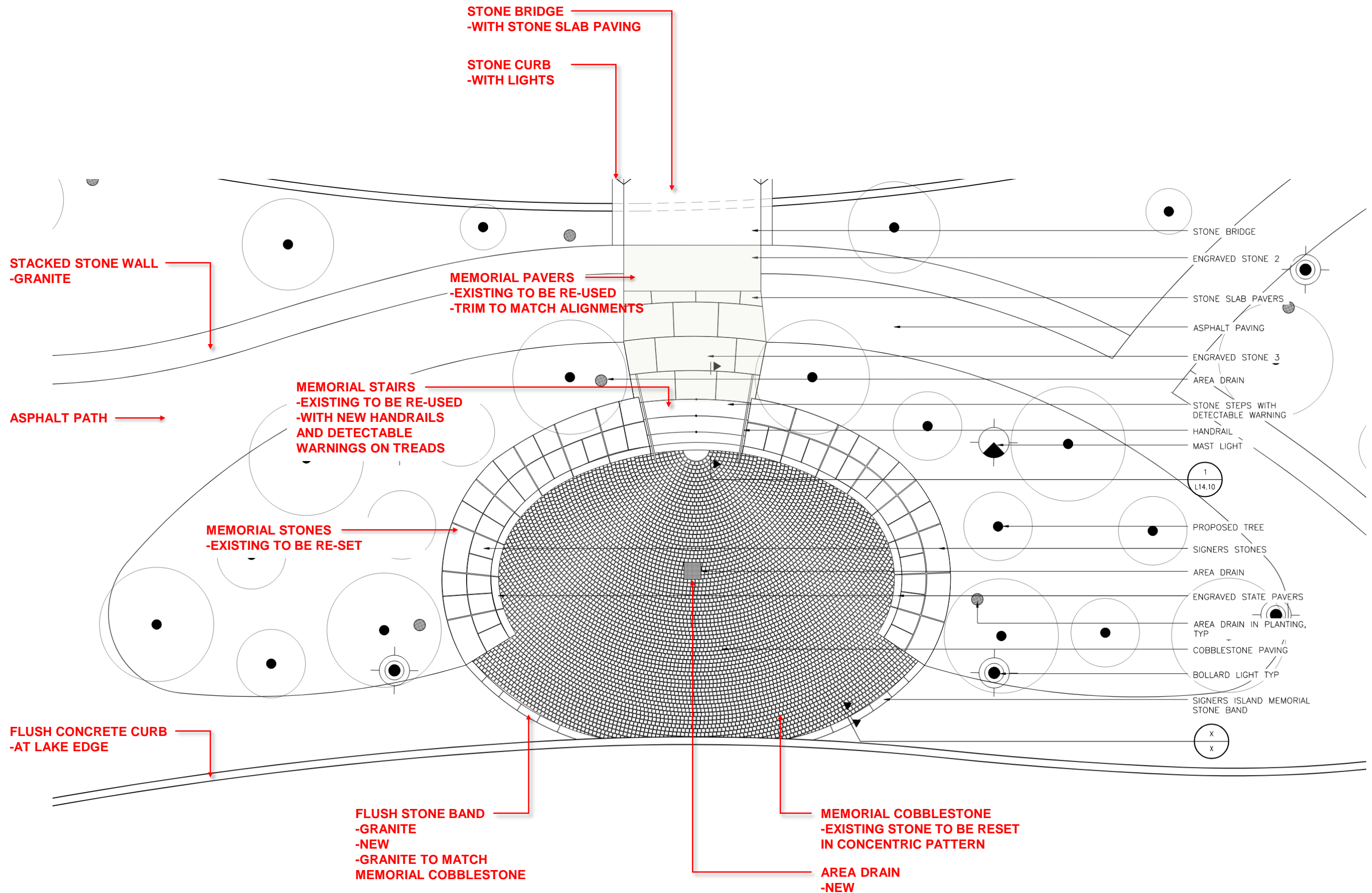


SIGNERS' MEMORIAL STONE SLABS - TO REMAIN

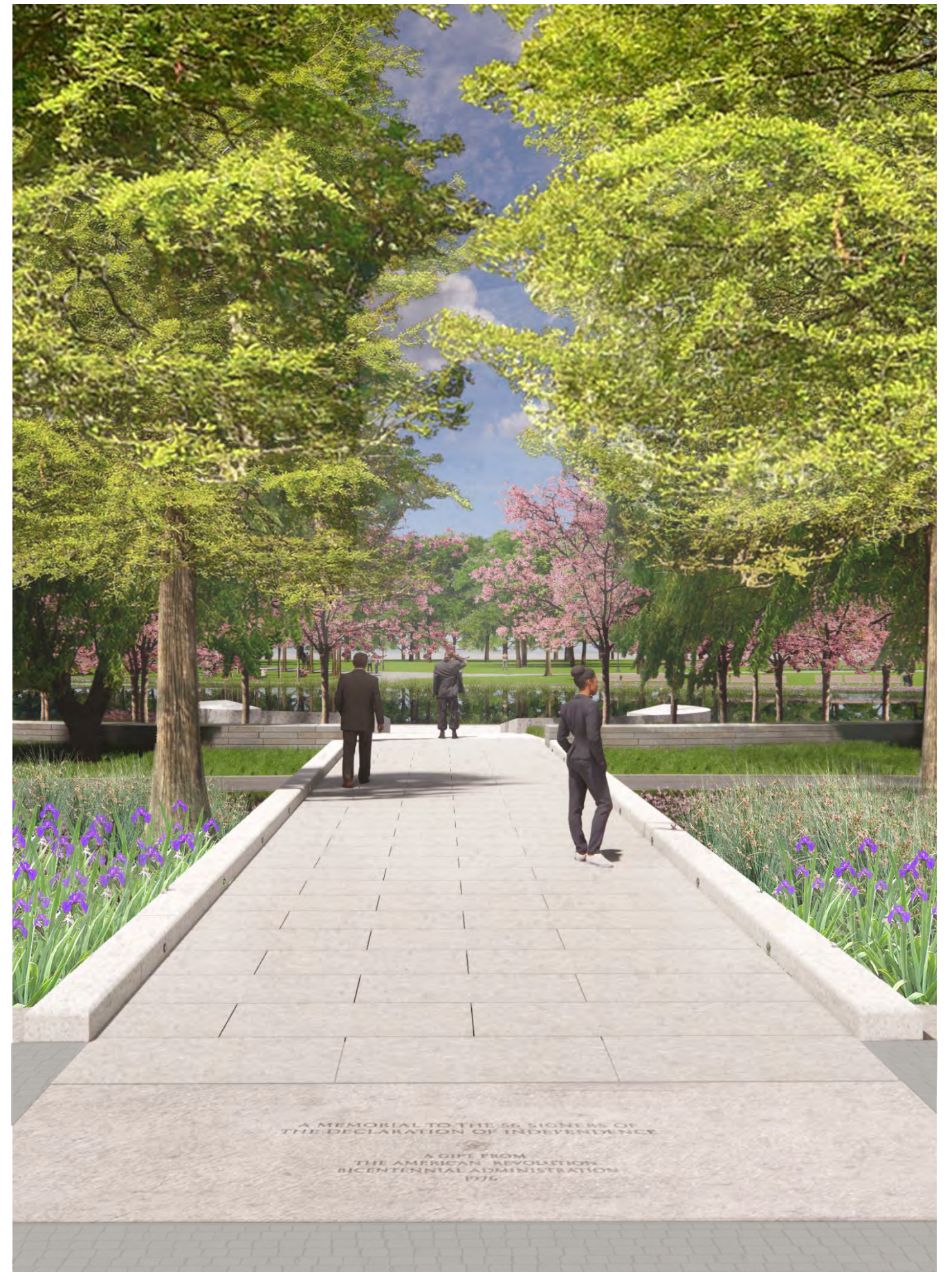
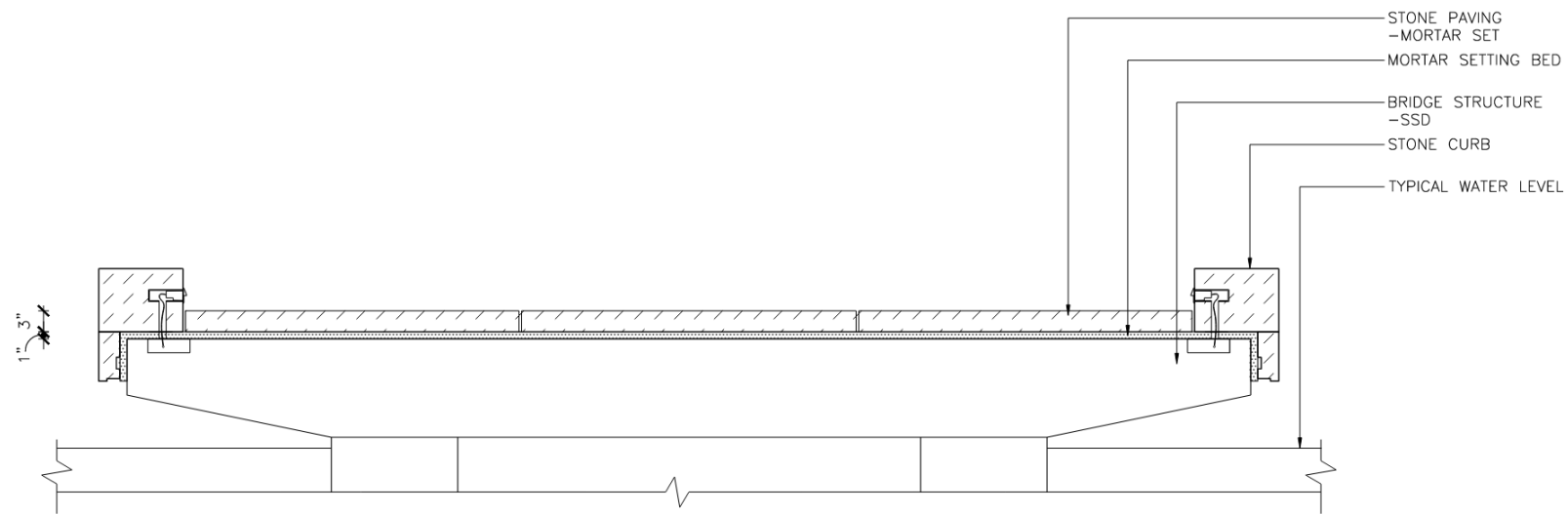
SIGNERS ISLAND



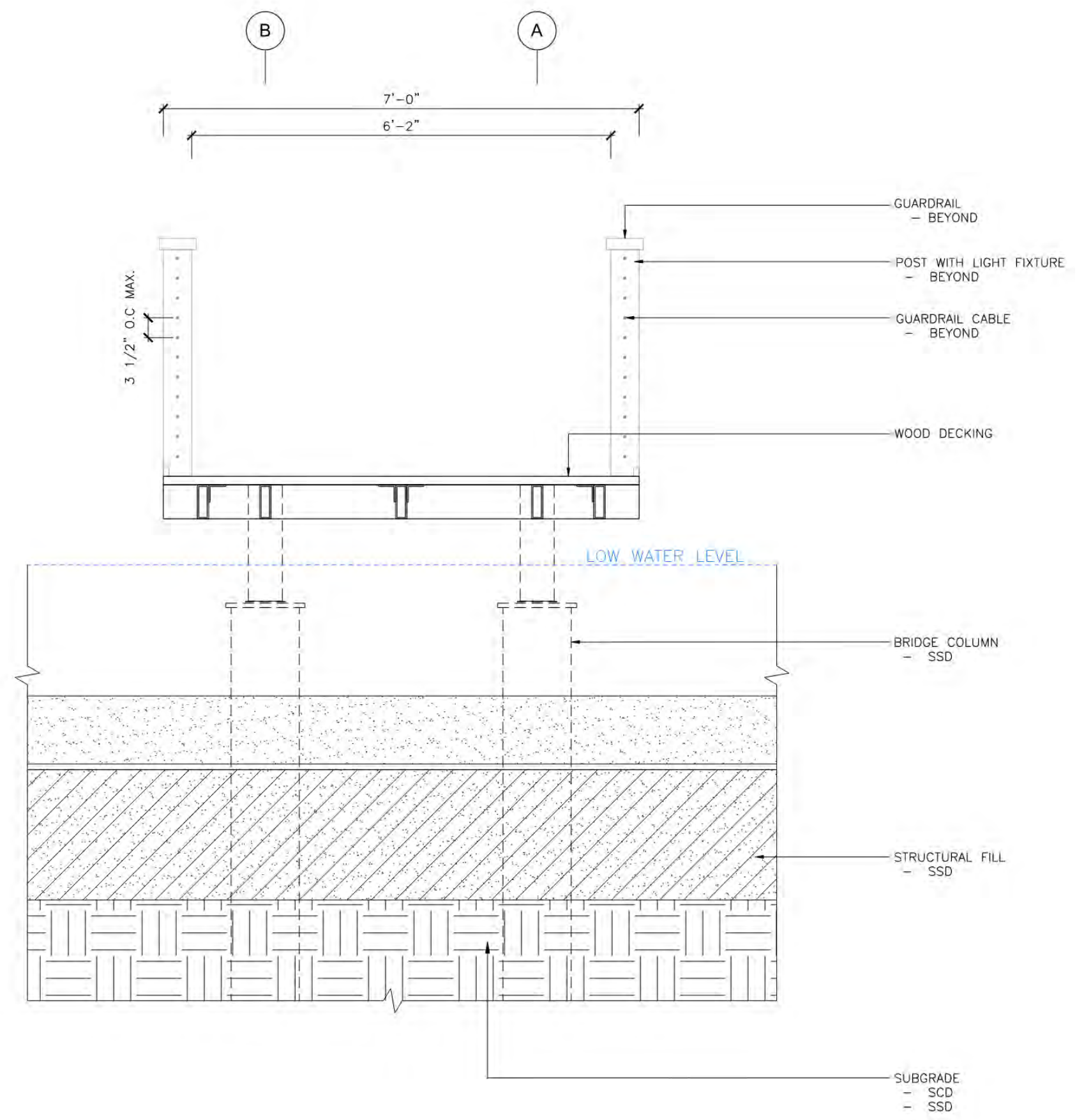
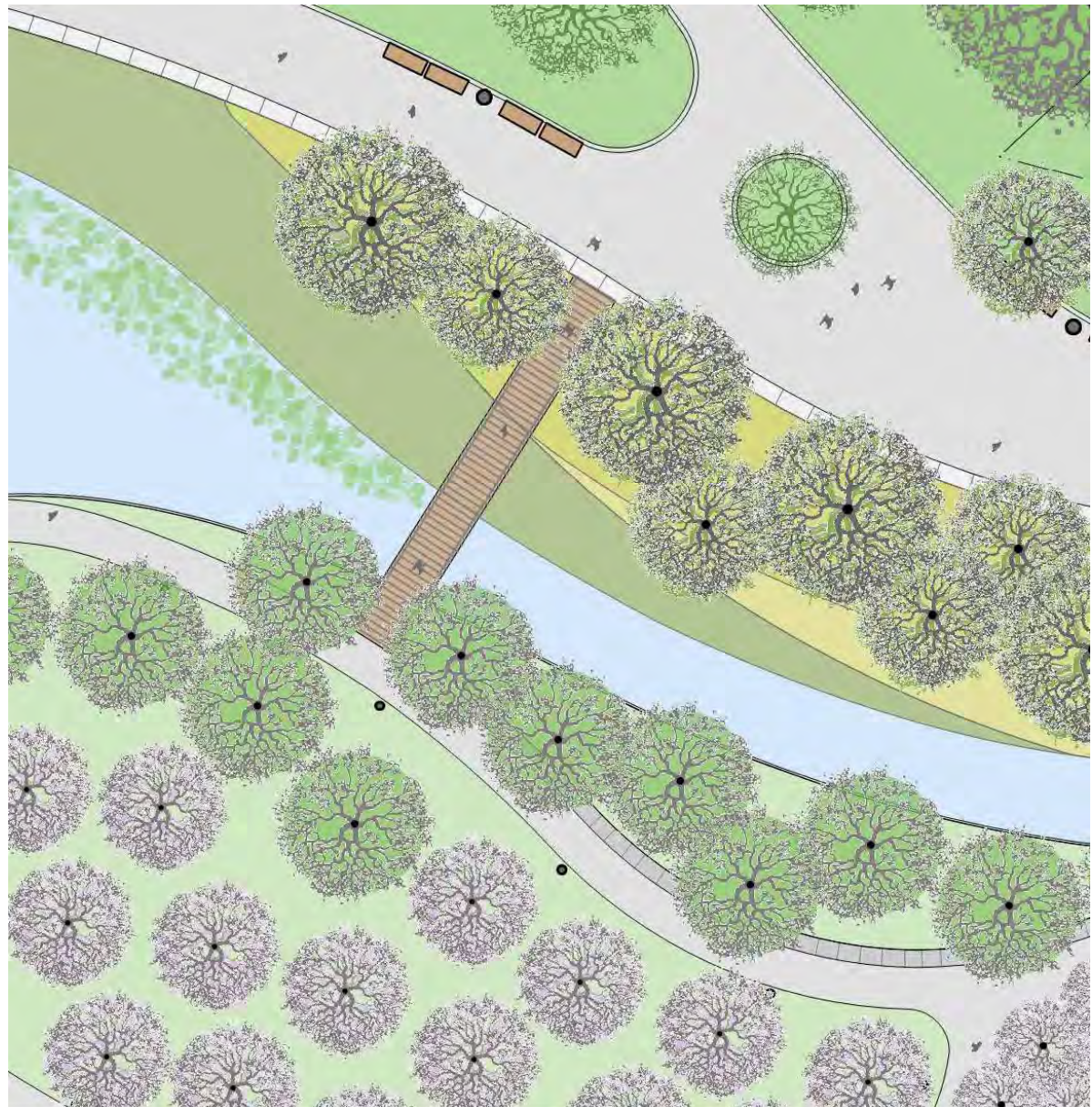
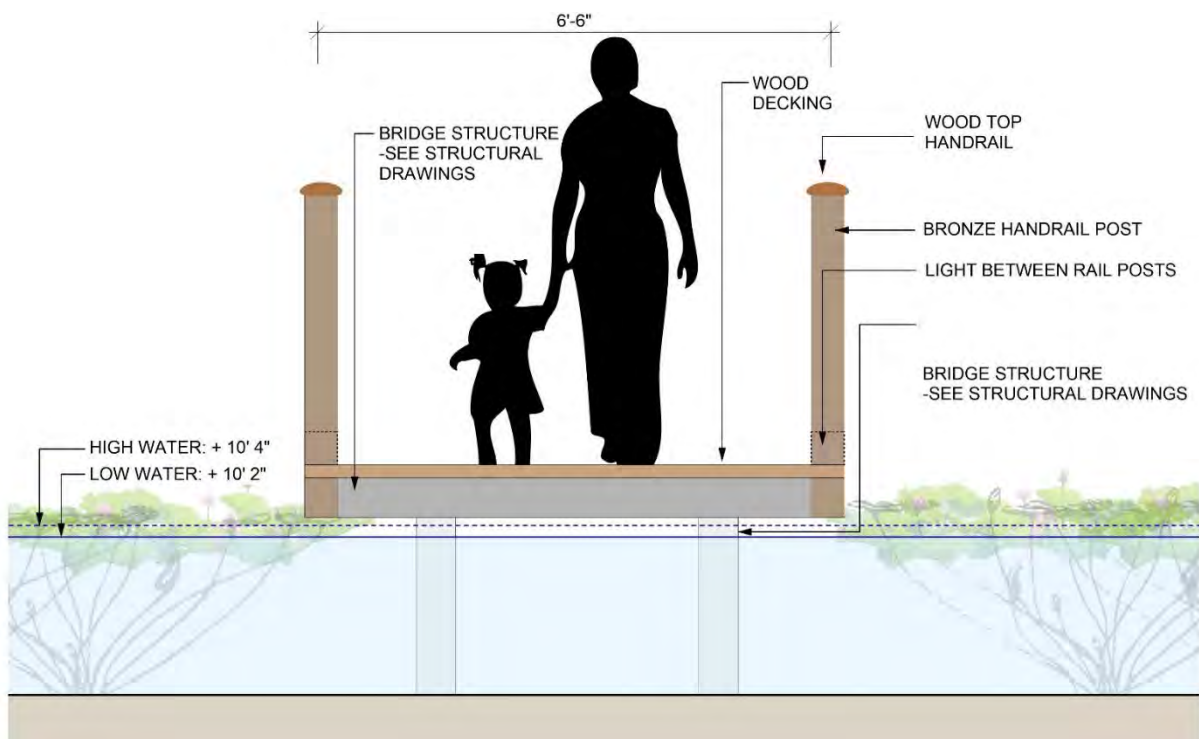
SIGNERS ISLAND | EXISTING COBBLESTONE



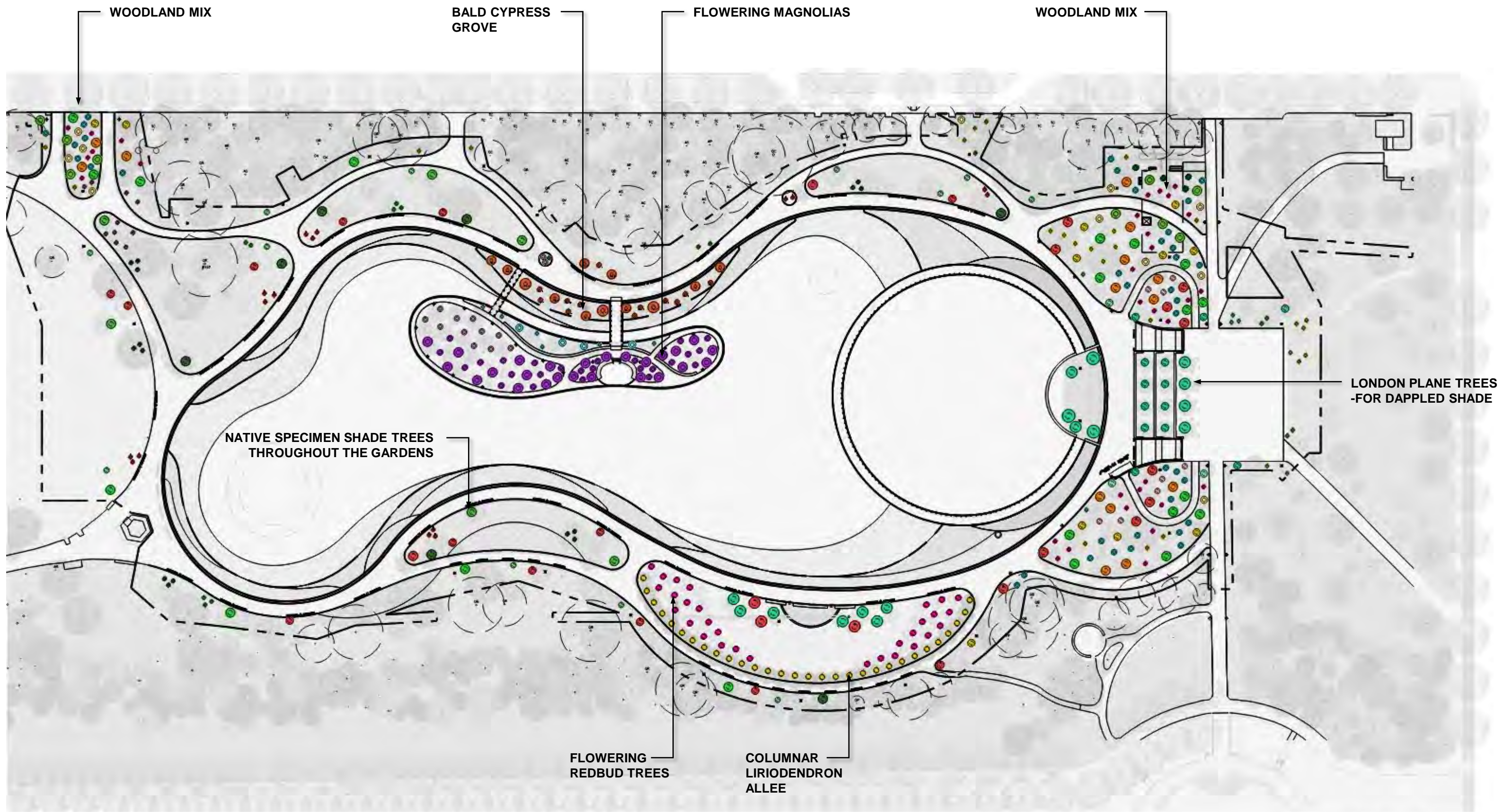




STONE BRIDGE TO SIGNERS' ISLAND AND 56 SIGNERS' MEMORIAL



WOOD BRIDGE TO SIGNERS' ISLAND



## TREE SPECIES LIST

ACER RUBRUM

AMALANCHIER CANDENSIS

CERCIS CANADENSIS

CHIONANTHUS VIRGINICUS

CORNUS FLORIDA

FAGUS GRANDIFOLIA

FRANKLINIA ALATAMAHA

ILEX OPACA

LIRIODENDRON TULIPIFERA

MAGNOLIA X SOULANGEANA

MAGNOLIA VIRGINIANA

PLATANUS ACERIFOLIA 'COLUMBIA'

PLATANUS OCCIDENTALIS

QUERCUS BICOLOR

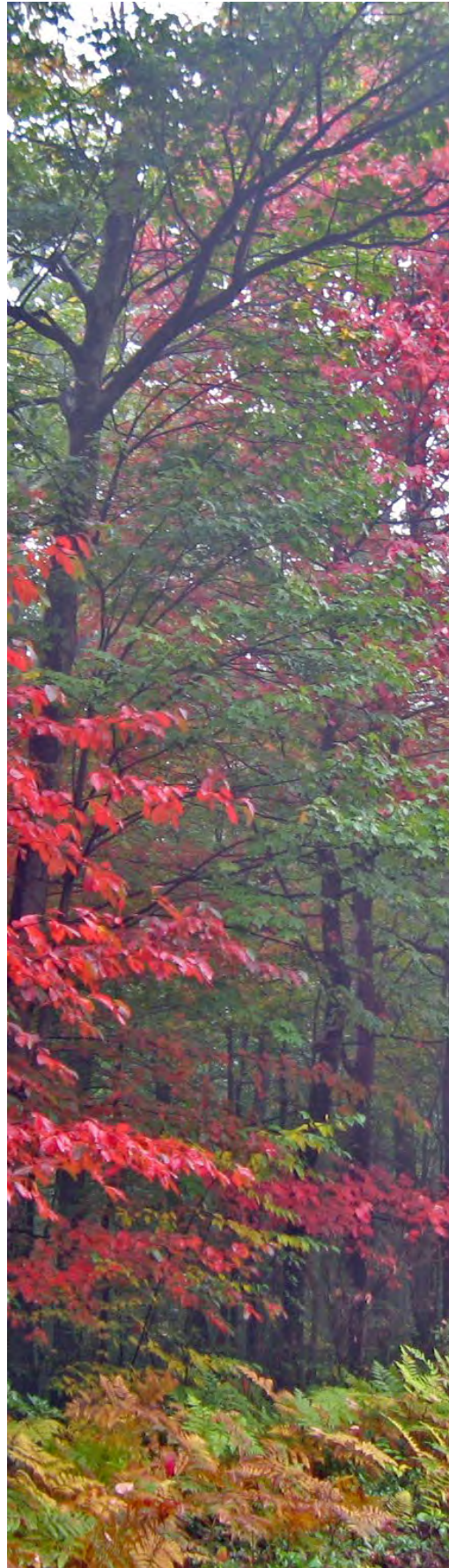
QUERCUS LYRATA

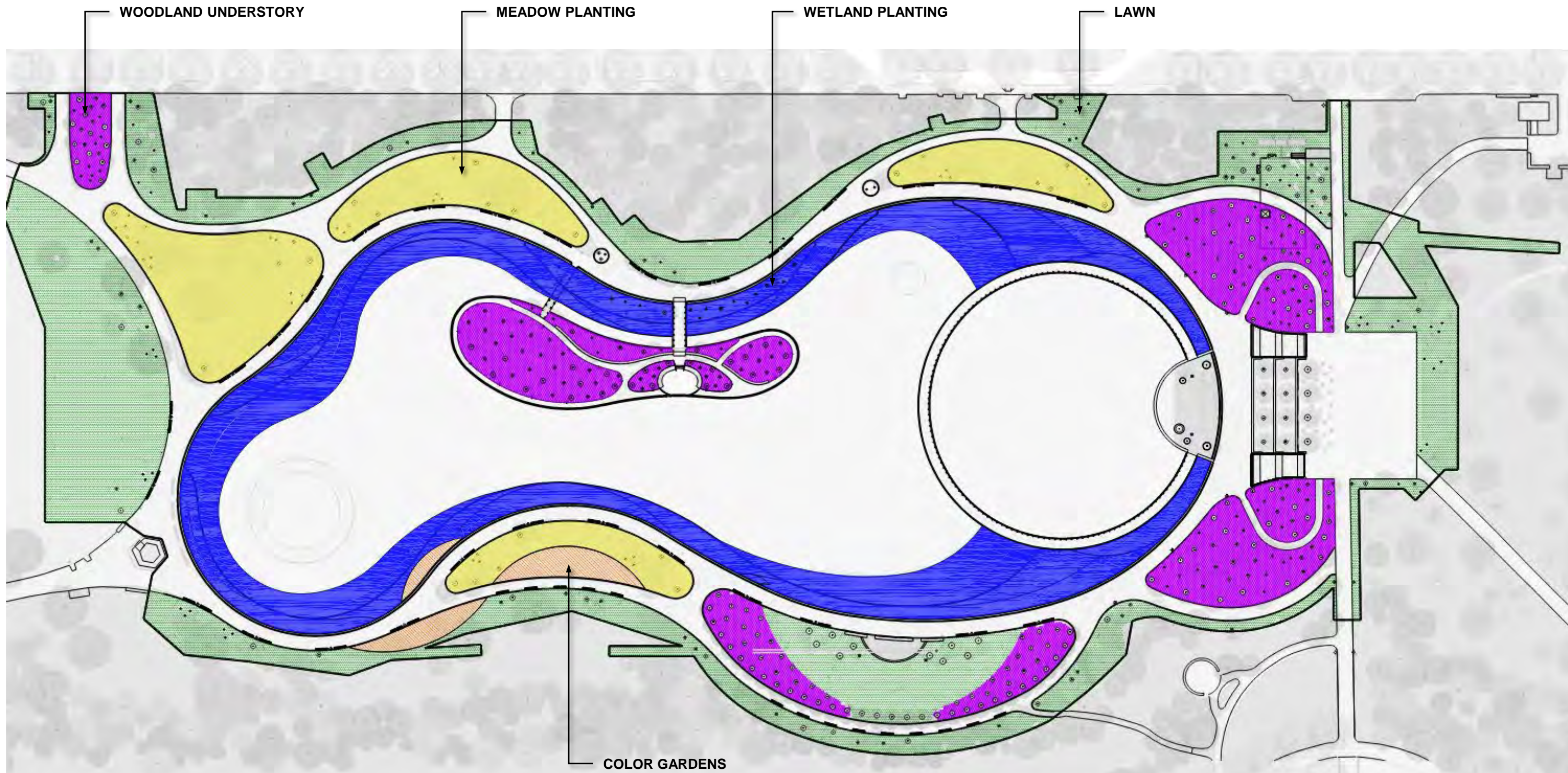
QUERCUS PHELLOS

SALIX BABYLONICA

TAXODIUM DISTICHUM

TILIA AMERICANA





# WETLAND PLANTING SPECIES LIST

## AESCLEPIAS INCARNATA

IRIS VERSICOLOR

SAURURUS CERNUS

IRIS VIRGINICA

LOUISIANA IRIS

JUNCUS EFFUSUS

NELUMBO LUTEA

THALIA DEALBATA

SCHOENOPLECTUS TABERNAEMONTANI

SCIRPUS ATROVIRENS

PONTERIA CORDATA 'BLUE'

PONTERIA CORDATA 'WHITE'

NYMPHAEA 'CHARLIE STRAWN'

NYMPHAEA 'MARLIACEA ALIBADA'

NYMPHAEA ODORATA

CAREX STRICATA

CAREX COMOSA

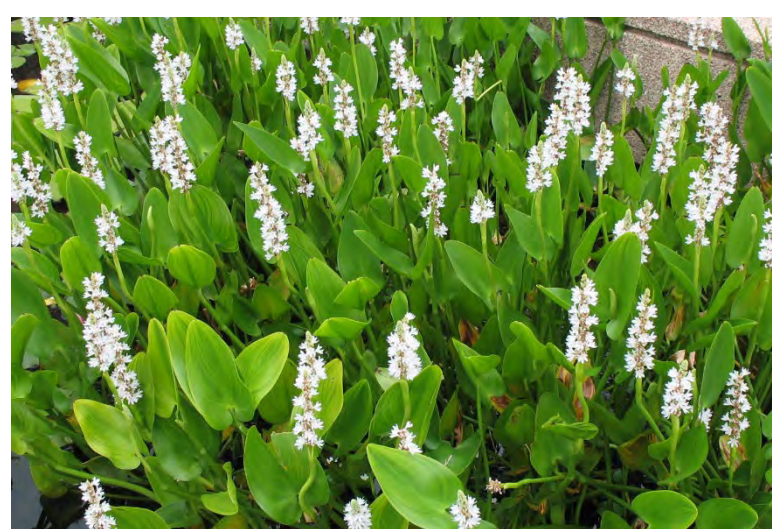
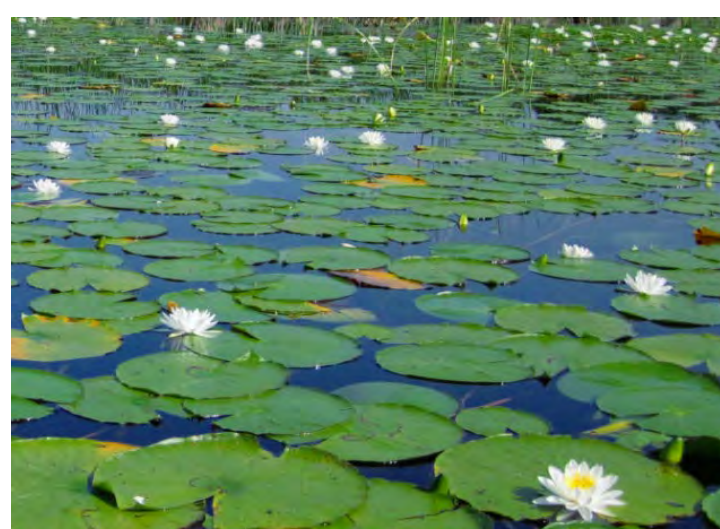
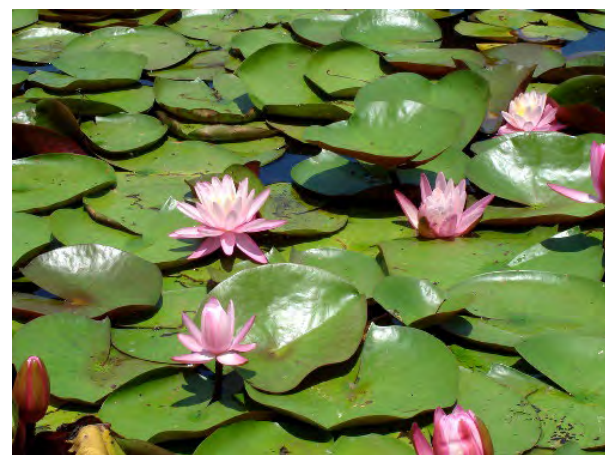
CAREX VULPINOIDEA

CHELONE OBLIQUA

LOBELIA CARDINALIS 'WHITE'

VERNONIA NOVEBORACENSIS

HIBISCUS MOSCHEUTOS



# MEADOW GARDEN SPECIES LIST

## LIVE PLANTS

ALLIUM CERNUM

**ASCLEPIAS TUBEROSA**

ASTER DIVARICATUS

BAPTISIA ALBA

BAPTISIA X 'ROYAL PRINCE'

CACALIA ATRIPLICIFOLIA

CIMICIFUGA RACEMOSA

COREOPSIS TRIPTERIS

DRYOPTERIS MARGINALIS

ECHINACEA PURPUREA

HYPERICUM FRONDOSUM 'SUNBURST'

LIATRIS SPICATA

LYSIMACHIA LANCEOLATA F. PURPUREA

MONARDA DIDYMA 'GARDEN VIEW SCARLET'

MONARDA FISTULOSA 'CLARE GRACE'

PARTHENIUM INTEGRIFOLIUM

PHACELIA PUSHII

POLEMONIUM REPTANS

PYCNANTHEMIM MUTICUM

RUDBECKIA FULGIDA VAR. DEAMII

RUDBECKIA FULGIDA VAR. SPECIOSA

RUELLIA HUMILIS

SCHIZACHYRIUM SCOPARIUM 'STANDING OVATION'

SCUTELLARIA INCANA

SMILACINA RACEMOSA

SOLIDAGO NEMORALIS

TRADESCANTIA VIRGINIANA

VERONICASTRIUM VIRGINICUM

## SEED

AGROSTIS PERENNANS

CARES BREVIOR

CAREX CRISTATELLA

CAREX GRACILESCENS

CAREX MOLESTA

CAREX NORMALIS

CAREX PROJECTA

CAREX RADIATA

CAREX VULPINOIDEA

DANTHONIA SPICATA

DESCHAMPSIA CAESPITOSA

ELYMUS HYSTRIX

ERAGROSTIS SPECTABILIS

HORDEUM JUBATUM

JUNCUS TENUIS

SCHIZACHYRIUM SCOPARIUM

ALLIUM CERNUUM

ANEMONE VIRGINIANA

AQUILEGIA CANADENSIS

**ASCLEPIAS TUBEROSA**

ASTER LAEVIS

ASTER LATERIFLORUS

ASTER SAGITTIFOLIUS

BLEPHILIA CILIATA

BLEPHILIA HIRSUTA

CHAMAESRICTA FASCICULATA

COREOPSIS LANCEOLATA

COREOPSIS PALMATA

ECHINACEA PURPUREA

ERYNGIUM YUCCIFOLIUM

EUPATORIUM COELESTINUM

GENTIANA ANDREWSII

GNAPHALIUM OBTUSIFOLIUM

LESPEDEZA VIRGINICA

LIATRIS SPICATA

LOBELIA SIPHILITICA

MONARDA BRADBURIANA

MONARDA CITRIODORA

MONARDA PUNCTATA

PENSTEMON CALYCOSUS

PENSTEMON CANESCENS

PENSTEMON DIGITALIS

PENSTEMON LAEVIGATA

PYCNANTHEMUM TENUIFOLIUM

RUDBECKIA HIRTA

SABATIA ANGULARIS

SILENE VIRGINICA

SOLIDAGO CAESIA

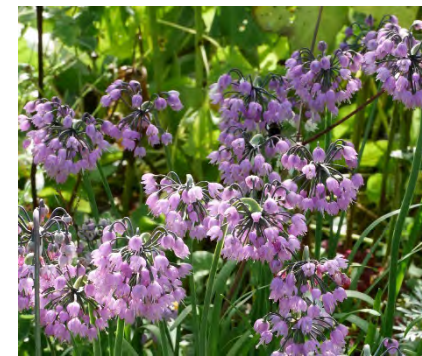
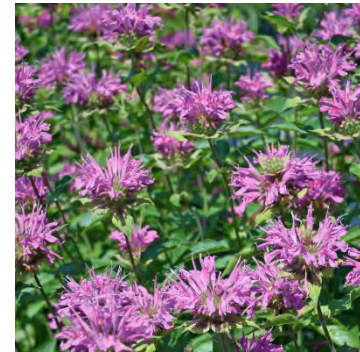
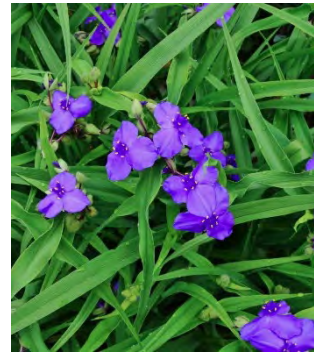
SOLIDAGO JUNCEA

SOLIDAGO ULMIFOLIA

TRADESCANTIA VIRGINIANA

VERBENA SIMPLEX

ZIZIA AUREA



## POLLINATOR COLOR GARDEN SPECIES LIST

ALLIUM CERNUM

AMSONIA HUBRICHTII

ASCLEPIAS VERTICILLATA

ASTER NOVI-BELGII

ASTER LAEVIS 'BLUEBIRD'

ASTER LATERIFLORUS 'LADY IN BLACK'

BAPTISIA ALBA

CAMASSIA SCILLOIDES

CAREX BEBBII

CAREX MUSKINGUMENSIS

CHELONE LYONII 'HOT LIPS'

ERYNGIUM YUCCIFOLIUM

EUPATORIUM COELESTINUM

EUPATORIUM DUBIUM 'LITTLE JOE'

EUPHORBIA COROLLATA

LIATRIS SPICATA

PENSTEMON DIGITALIS 'HUSKERS RED'

PENSTEMON LAEVIGATUS

PYCNANTHEMUM FLEXUOSUM

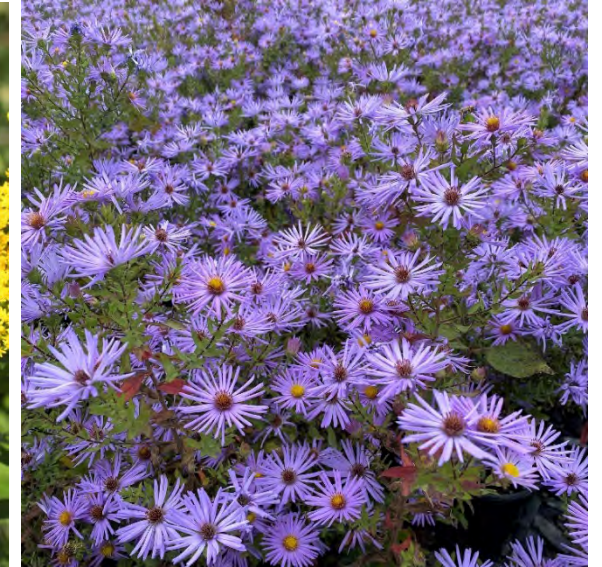
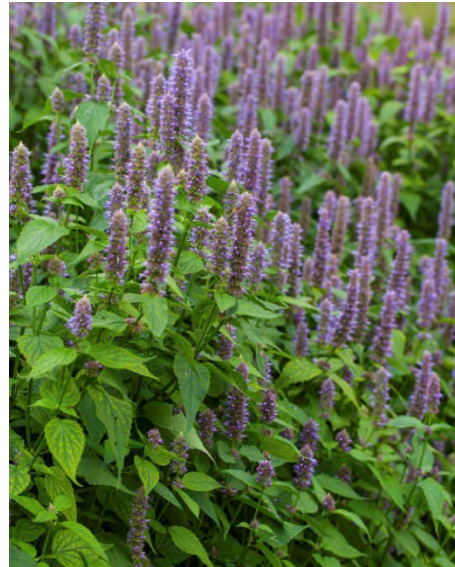
SENECIO AUREUS

SOLIDAGO JUNCEA

SOLIDAGO RIGIDA SSP. HUMILIS 'GOLDEN ROCKETS'

VERNONIA LETTERMANNII 'IRON BUTTERFLY'

SCHIZACHARIUM SCOPARIUM 'STANDING OVATION'





## WOODLAND GARDEN SPECIES LIST

ANEMONE CANADENSIS

ASTER DIVARICATUS

CAREX BREVIOR

CAREX PENNSYLVANICA

DIERVILLA LONICERA

DRYOPTERIS MARGINALIS

EURYBIA DIVERICATA

GERANIUM MACULATUM

HYDRANGEA ARBORESCENS

HYDRANGEA QUERCIFOLIA

ITEA VIRGINICA

ILEX OPACA 'MARYLAND DWARF'

MERTENSIA VIRGINICA

PACKERA AUREA

PHACELIA PURSHII

PHLOX STOLONIFERA

POLEMONIUM REPTANS

POLYSTICHUM ACROSTICHOIDES

SCUTTELARIA INCANA

SMILACINA RACEMOSA

SPIGELIA MARYLANDICA



# SIGNERS ISLAND SPECIES LIST

ANEMONE CANADENSIS

AQUILEGIA CANADENSIS

ASTER DIVARICATUS

CAREX BROMOIDES

CAREX PENNSYLVANICA

CAREX SPRENGELII

CAREX STRICTA

CAREX WOODII

CHELONE OBLIQUA

DRYOPTERIS MARGINALIS

EUPATORIUM DUBIUM 'LITTLE JOE'

GERANIUM MACULATUM

IRIS VERSICOLOR

MONARDA BRADBURIANA

ONOCLEA SENSIBILIS

OSMUNDA REGALIS

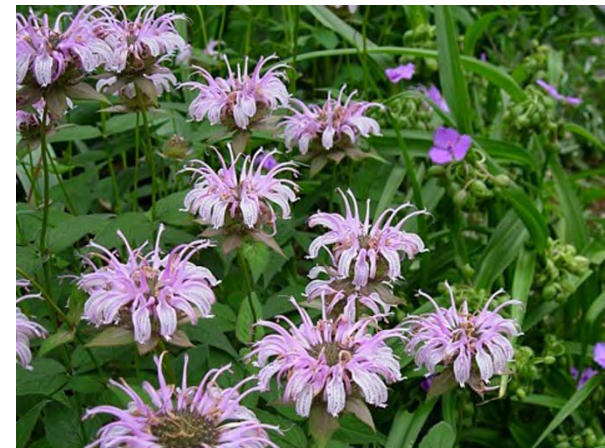
PACKERA AUREA

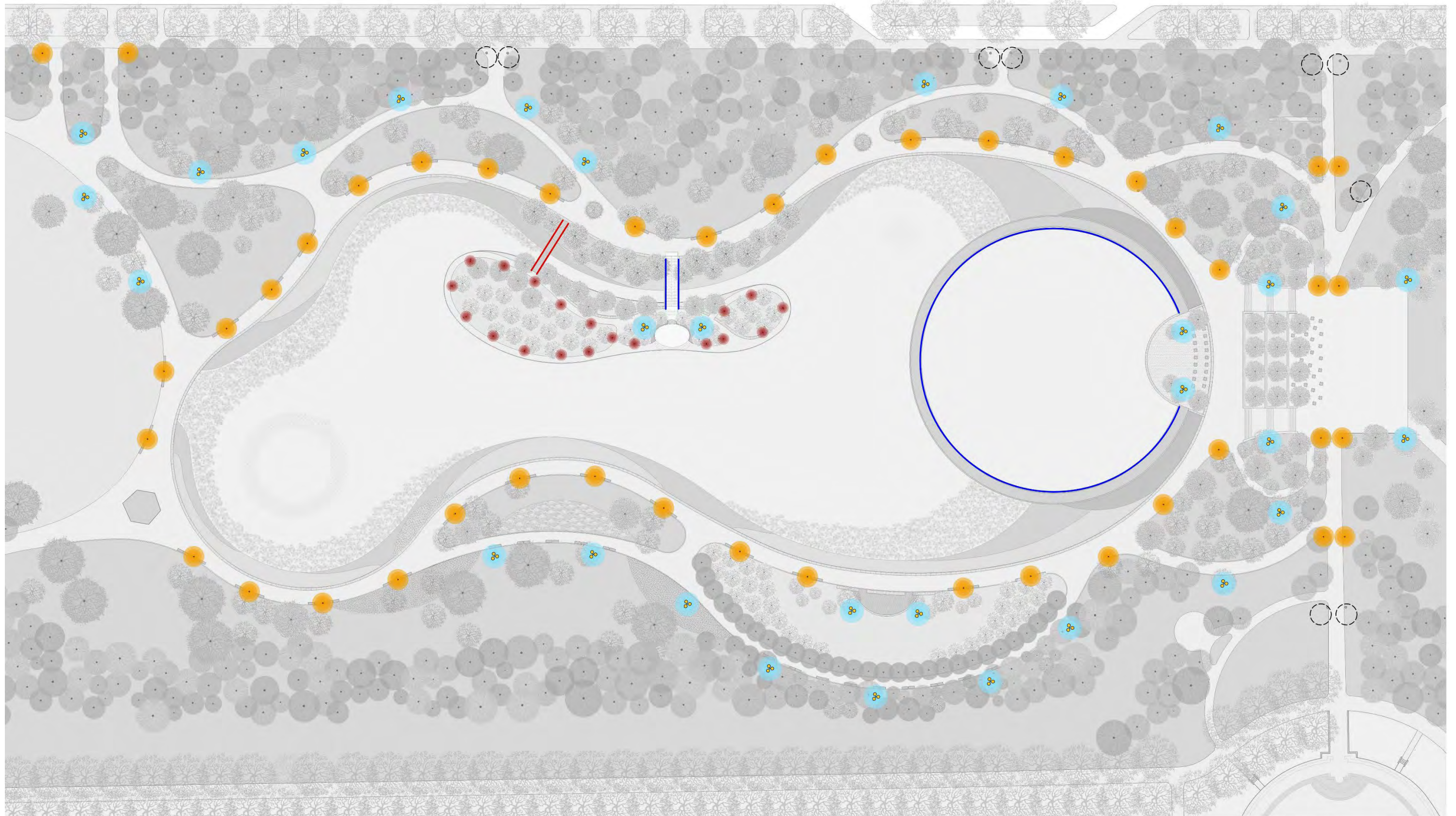
PHLOX STOLONIFERA

SCUTTELLARIA INCANA

SMILACINA RACEMOSA

TRADESCANTIA VIRGINIANA





- |  |  |
|--|--|
|  ISLAND BOLLARD LIGHT |  EXISTING WASHINGTON GLOBE LIGHT POLE |
|  CURB LIGHT FIXTURE   |  WASHINGTON GLOBE LIGHT POLE          |
|  BRIDGE LIGHT FIXTURE |  DARK SKY COMPLIANT MAST LIGHT POLE   |

LIGHTING DIAGRAM



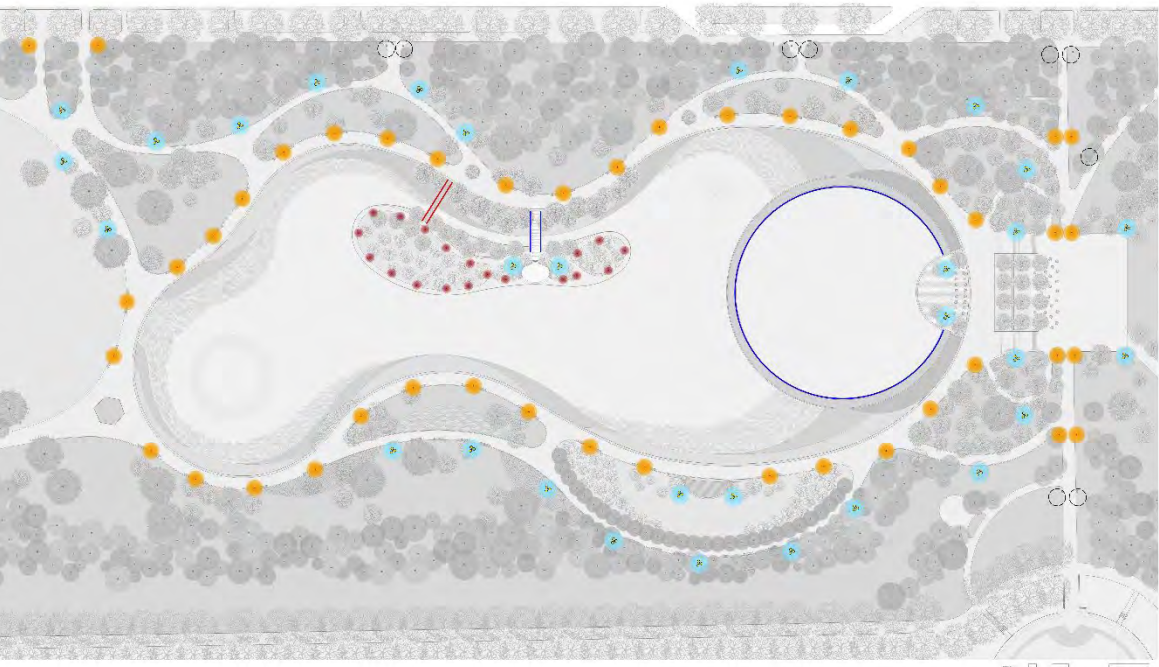
← **MAST LIGHT AT SECONDARY PATHS WITHIN THE TREES**  
- FULL CUT OFF, DARK SKY COMPLIANT FIXTURES  
- HOLDS MULTIPLE LAMPS TO REDUCE FREQUENCY OF MASTS

← **HISTORIC WASHINGTON GLOBE AT LAKE PATH**  
- WITH APPROVED PARTIAL CUT OFF AT TOP  
- HIGHLIGHTS AND MIRRORS THE LAKE'S CURVES

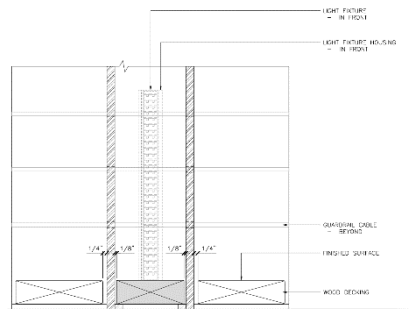


← MAST LIGHT AT SECONDARY PATHS

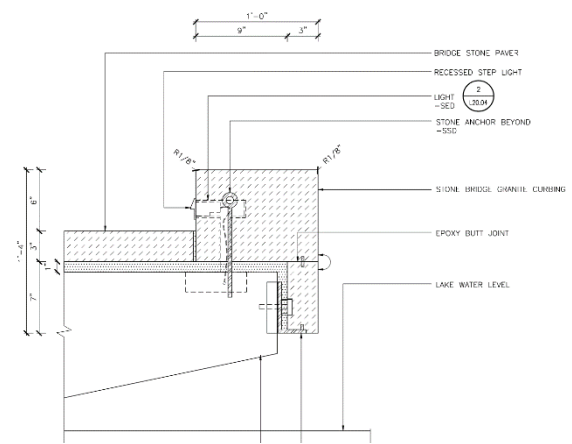
← HISTORIC WASHINGTON GLOBE AT LAKE PATH



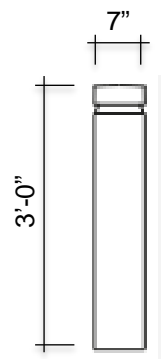
- ISLAND BOLLARD LIGHT
- EXISTING WASHINGTON GLOBE LIGHT POLE
- CURB LIGHT FIXTURE
- WASHINGTON GLOBE LIGHT POLE
- BRIDGE LIGHT FIXTURE
- DARK SKY COMPLIANT MAST LIGHT POLE



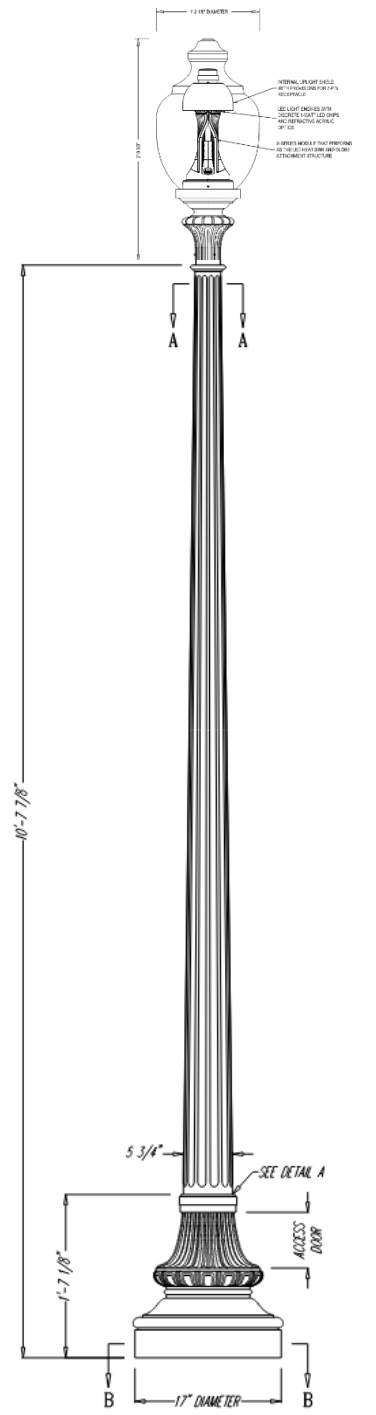
**STRIP LIGHT – 1' LENGTH**  
**WOOD BRIDGE GUARDRAIL**



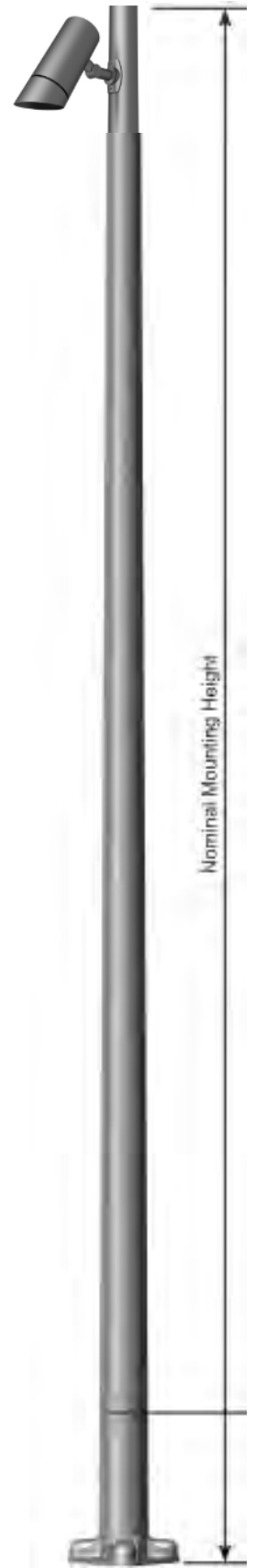
**RECESSED STEP LIGHT**  
**STONE BRIDGE AND LAKE RING PATH**



**CASTOR BOLLARD LIGHT**  
**SIGNERS ISLAND**



**SPRING CITY WASHINGTON GLOBE LIGHT**  
**LAKE PATH**



**MAST LIGHT POLE**  
**22' ON SIGNERS ISLAND**  
**40' ALL OTHER LOCATIONS**  
**3 TO 4 HEADS PER POLE**





LIGHTING | BOLLARDS AT SIGNERS' ISLAND





BOLLARD LIGHT →

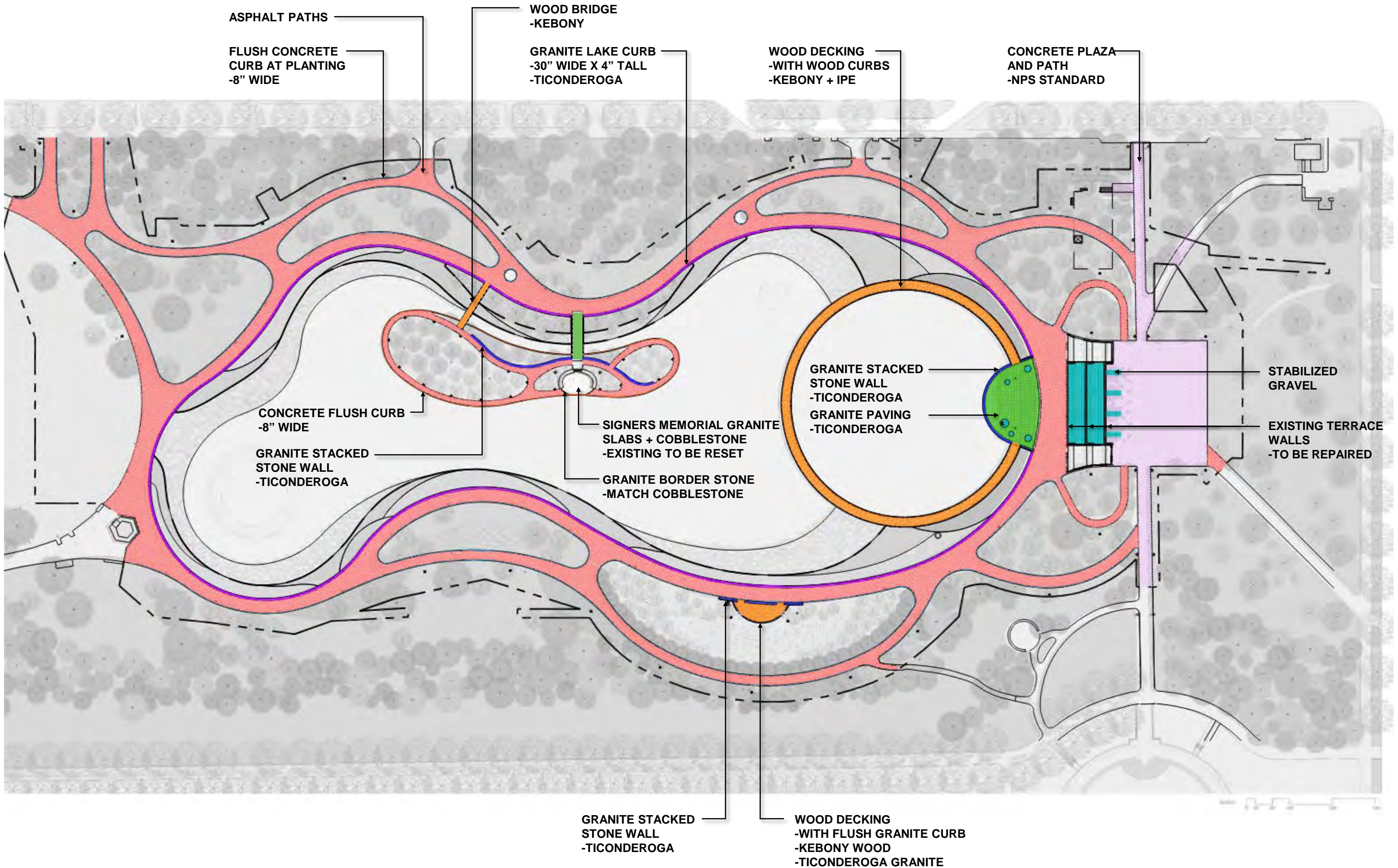
← HISTORIC WASHINGTON GLOBE AT LAKE PATH



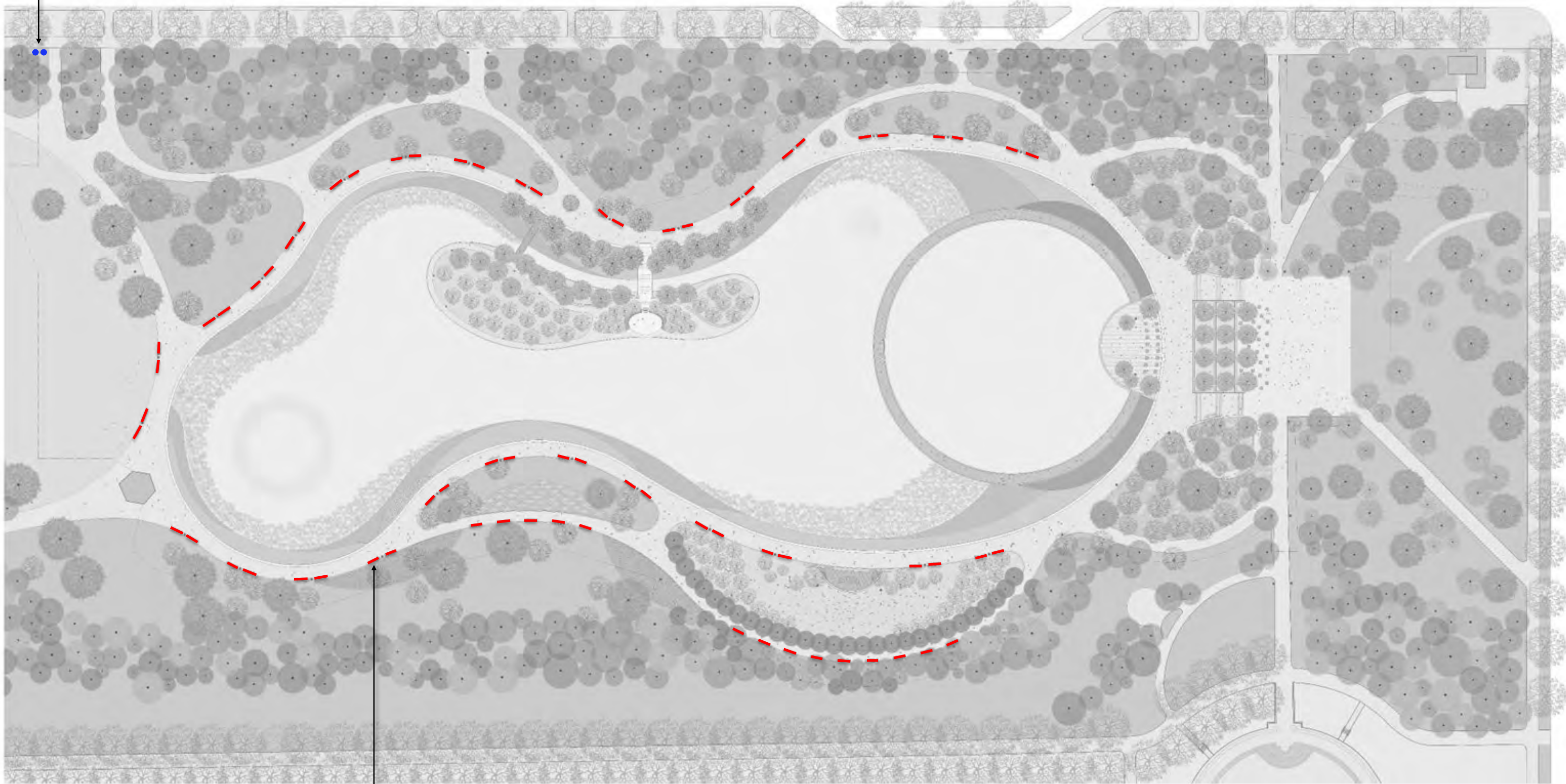
M A S T   L I G H T S   W I T H   W A S H I N G T O N   G L O B E   F I X T U R E S  
P H O T O :   W W I   M E M O R I A L



B O L L A R D   L I G H T S



NEW TRASH AND  
RECYCLING  
RECEPTACLES



BENCHES  
-EACH RED LINE EQUALS 2 BENCHES  
-LANDSCAPE FORMS, GRETCHEN BENCH, 6' LENGTH



ASPHALT PATH  
- WITH FLUSH CONCRETE CURBS

NPS STANDARD CONCRETE  
-AT EVENT PLAZA

STACKED STONE WALL, GRANITE CURB, AND  
LAKE RING PLAZA PAVING MATERIAL  
-TICONDEROGA GRANITE



WOOD DECKING AT LAKE RING  
-KEBONY



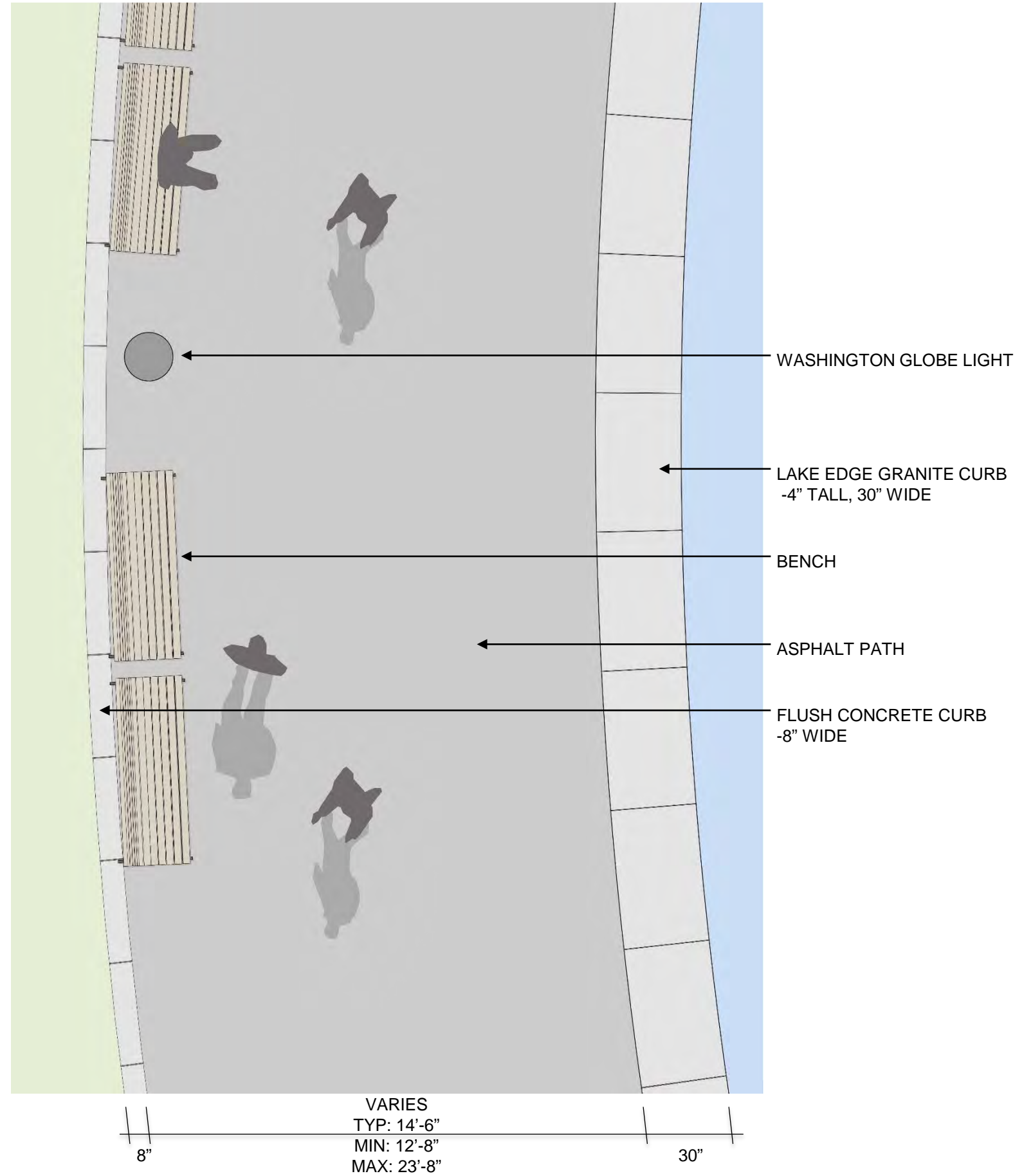
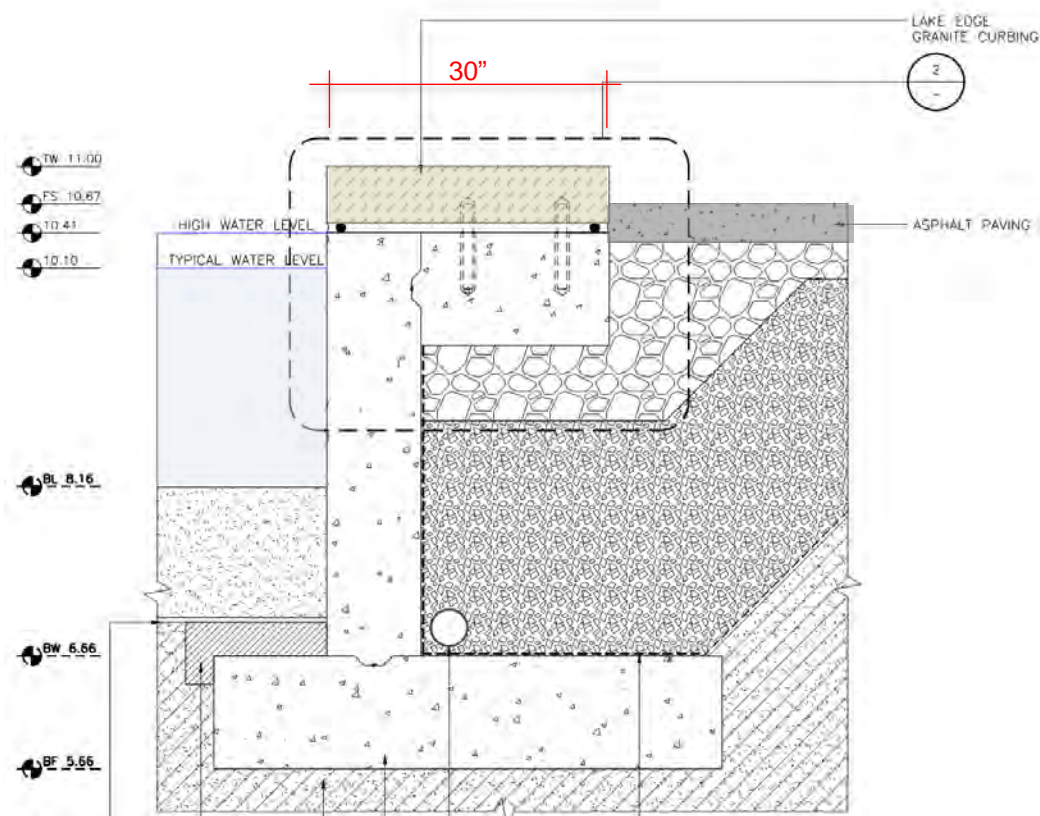
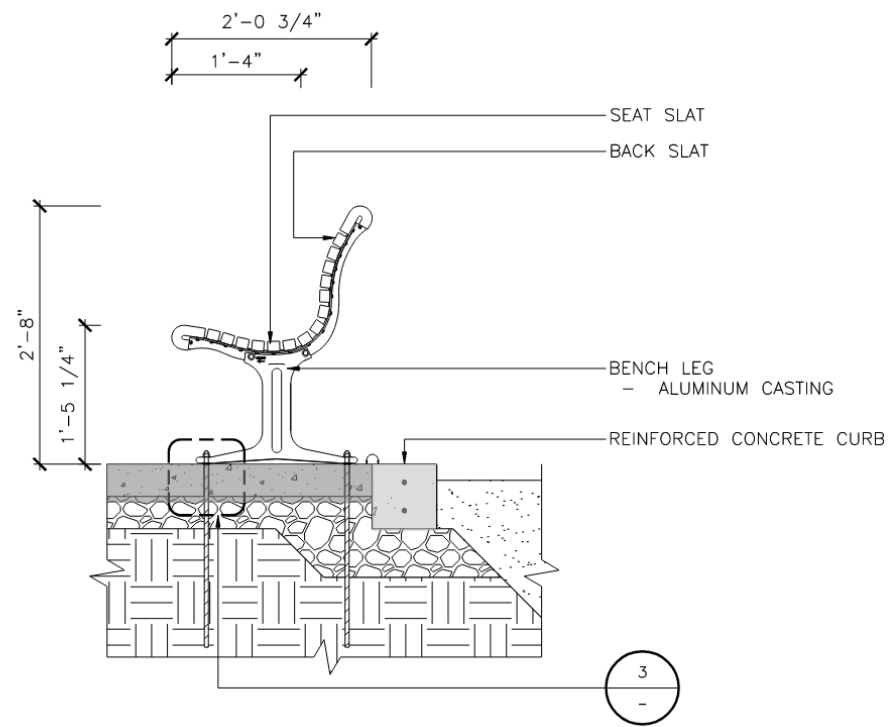
STABILIZED GRAVEL  
-AT TERRACES



BENCHES  
-LANDSCAPE FORMS, GRETCHEN BENCH  
-6' LENGTH



TRASH AND RECYCLING RECEPTACLES  
-VICTOR STANLEY, S-35  
-TO MATCH NPS STANDARD



LAKE PATH AND LAKE EDGE | MATERIALS



WASHINGTON GLOBE  
LIGHT FIXTURE

RAISED  
STONE  
CURB

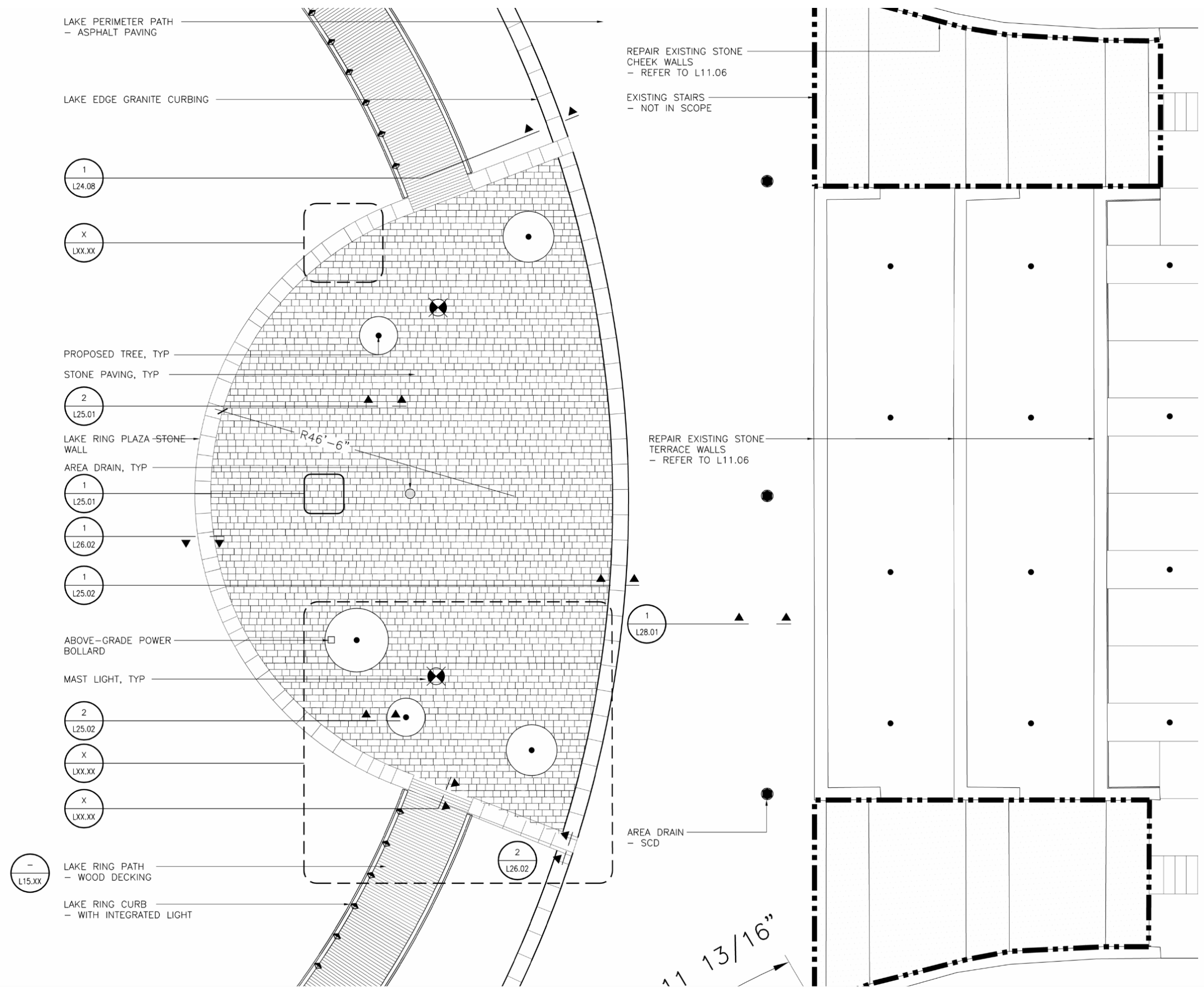
BENCHES  
-ADA COMPLIANT

FLUSH  
CONCRETE CURB

ASPHALT PAVING

LAKE PATH AND LAKE EDGE | MATERIALS RENDERING

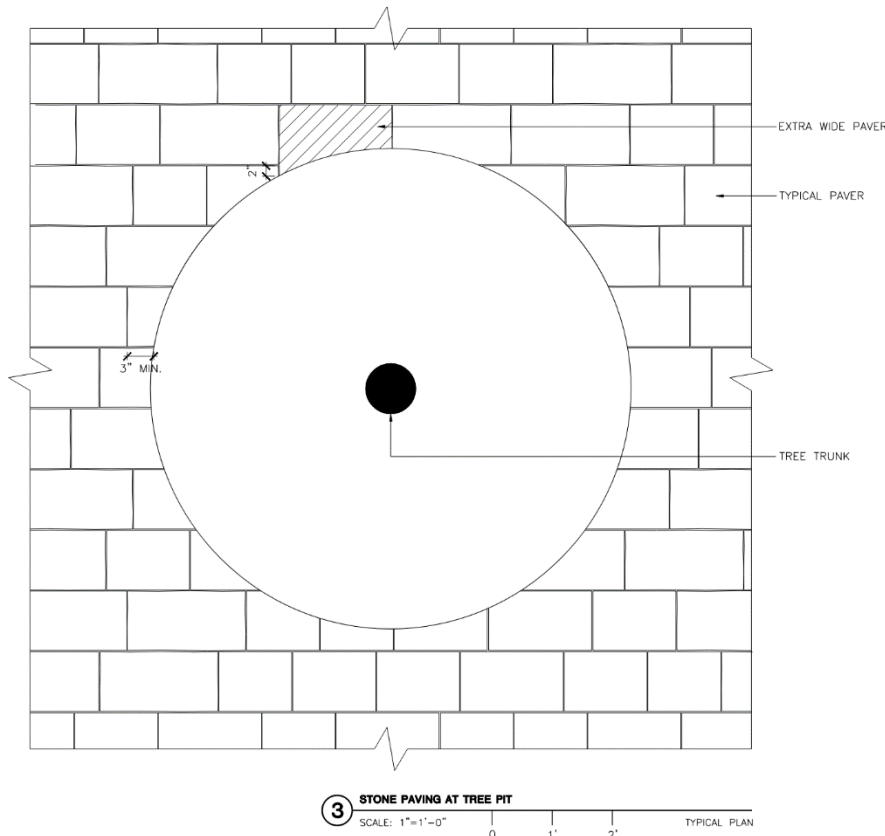




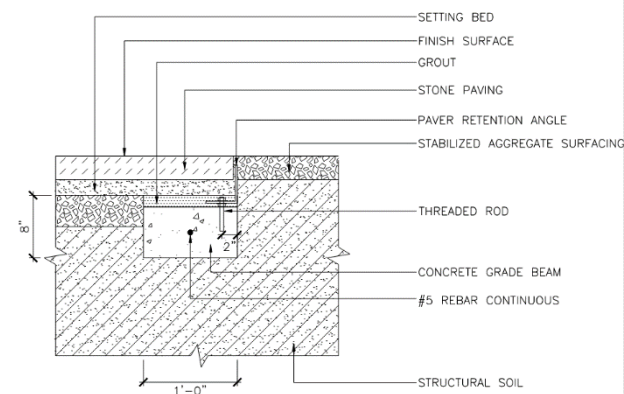
LAKE RING PLAZA | MATERIALS AND LAYOUT



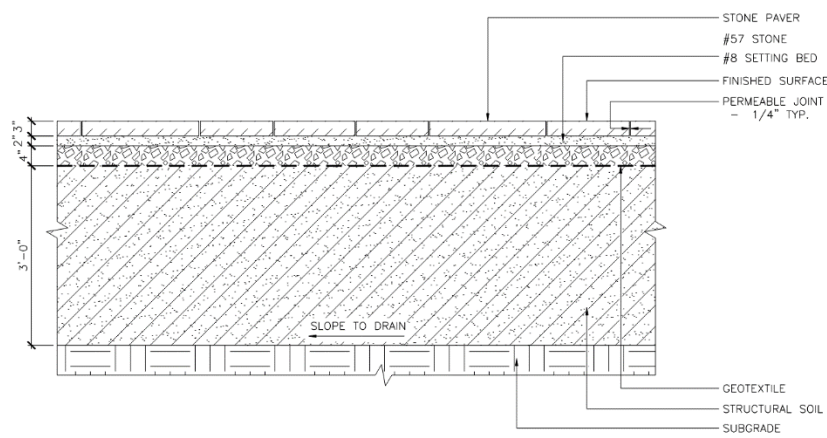
LAKE RING PLAZA | MATERIAL CONNECTION TO LOCKKEEPER HOUSE PLAZA



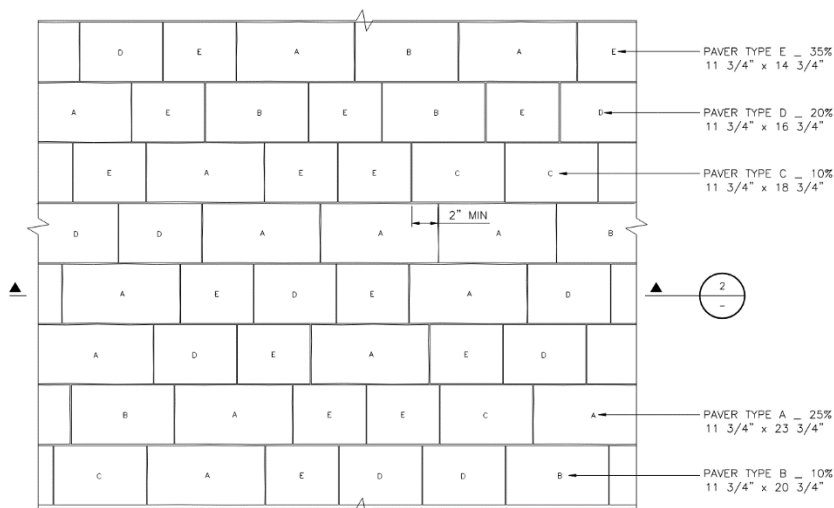
**3** STONE PAVING AT TREE PIT  
SCALE: 1"=1'-0"  
0 1' 2' TYPICAL PLAN



**2** SAND SET PAVING AT TREE OPENING  
SCALE: 1 1/2"=1'-0"  
0 6" 1' SECTION

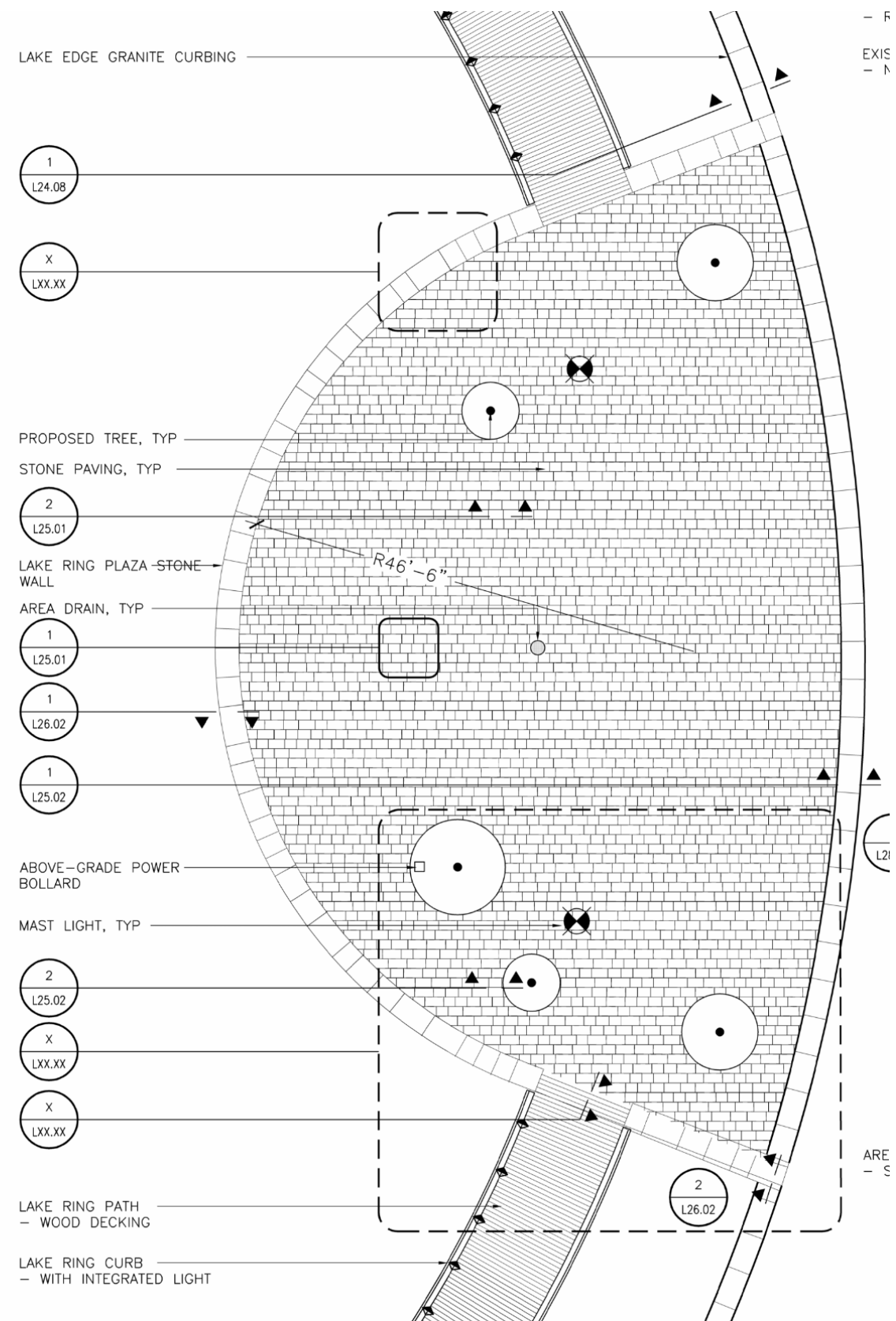


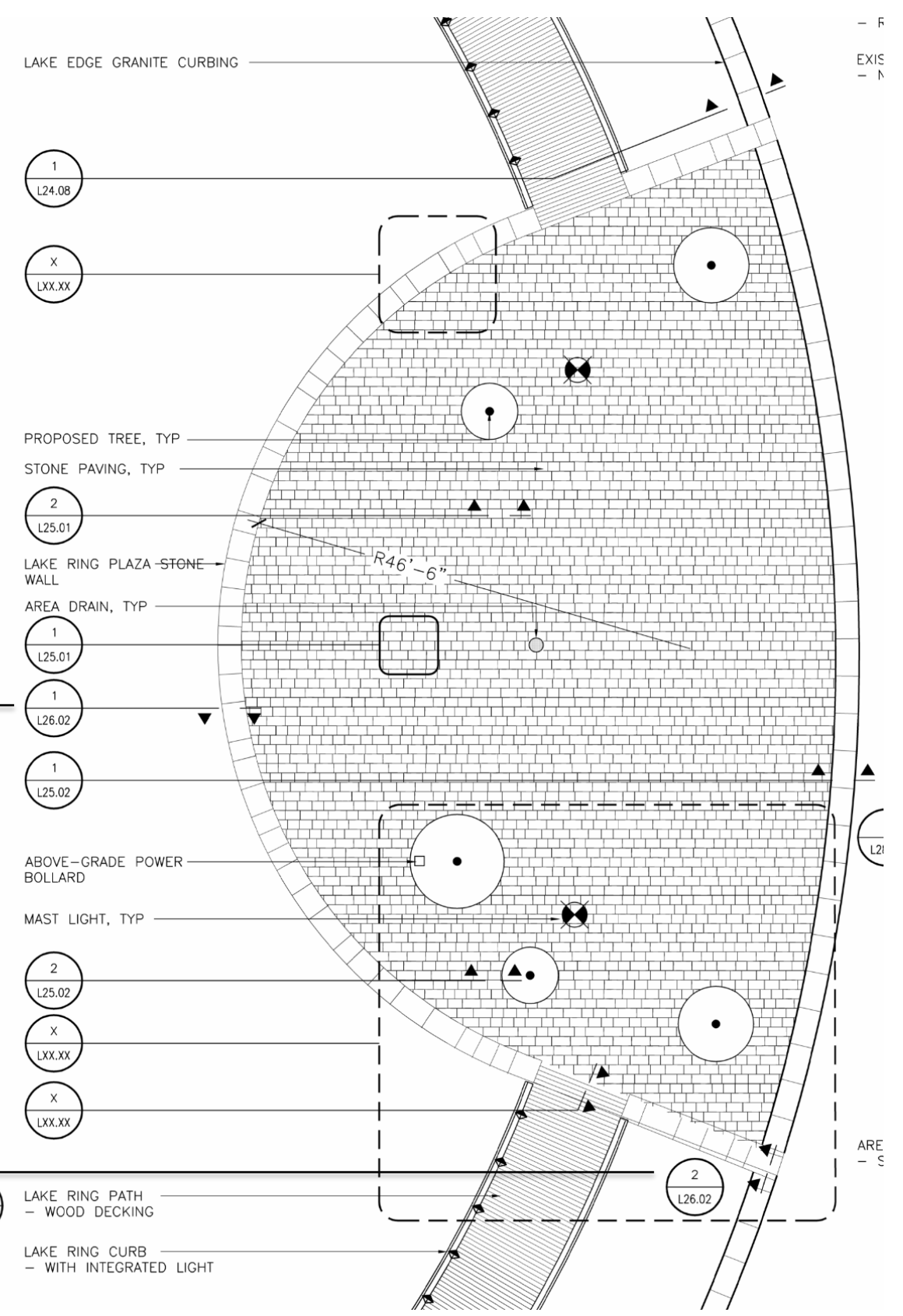
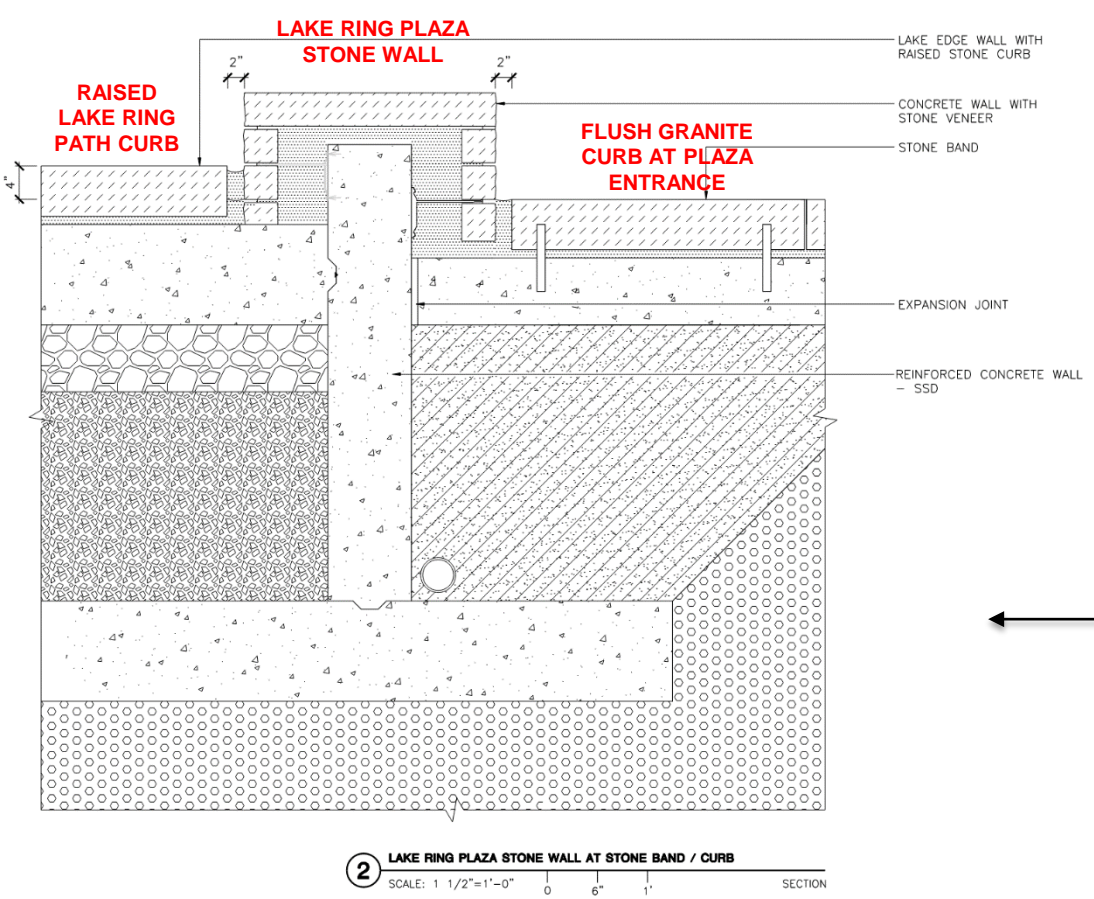
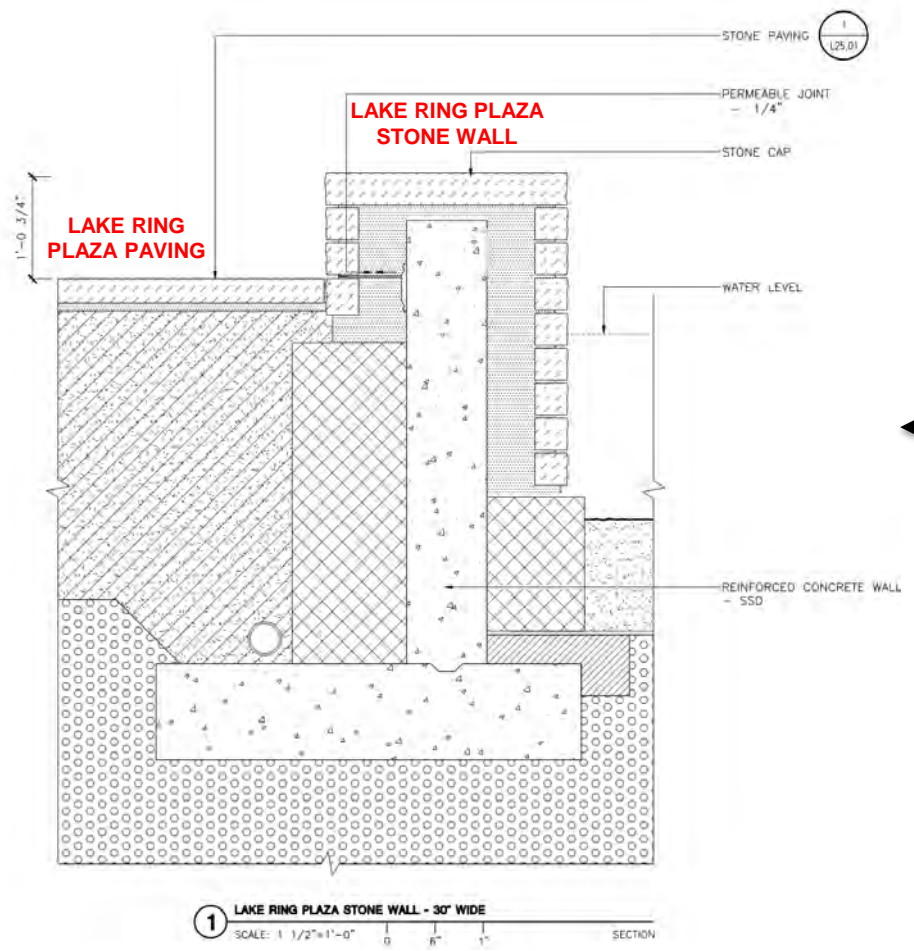
**2** STONE PAVING  
SCALE: 1"=1'-0"  
0 1' 2' TYPICAL SECTION



**1** STONE PAVING  
SCALE: 1"=1'-0"  
0 1' 2' TYPICAL PLAN

NOTES:  
1. 2" MINIMUM OVERLAP BETWEEN ADJACENT STONE PAVERS





LAKE RING PLAZA | MATERIALS AND LAYOUT



PLAZA PAVING  
- GRANITE

STABILIZED  
GRAVEL

STACKED  
STONE  
WALL  
- GRANITE

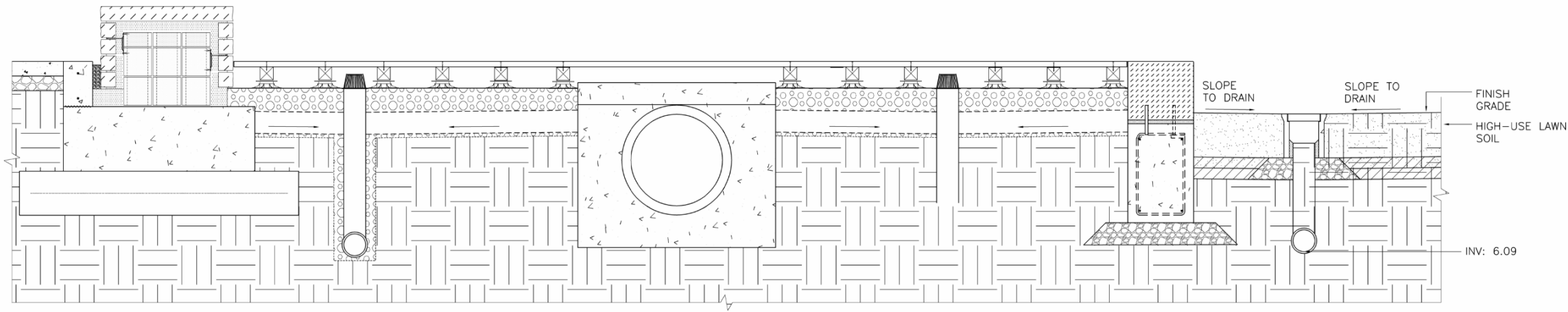
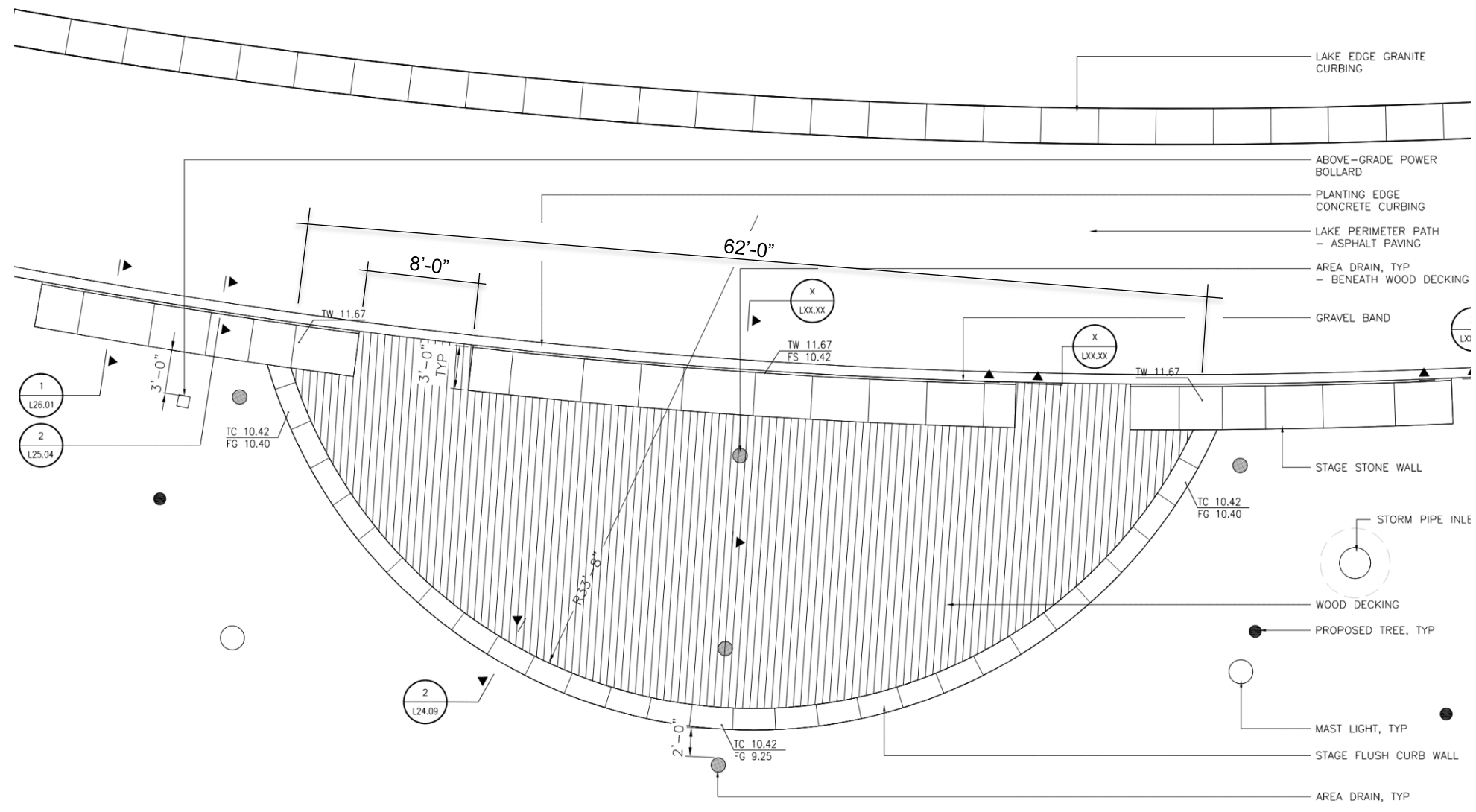
WOOD CURB  
- AT LAKE  
RING PATH

WOOD DECK AT  
LAKE RING PATH

ASPHALT PAVING

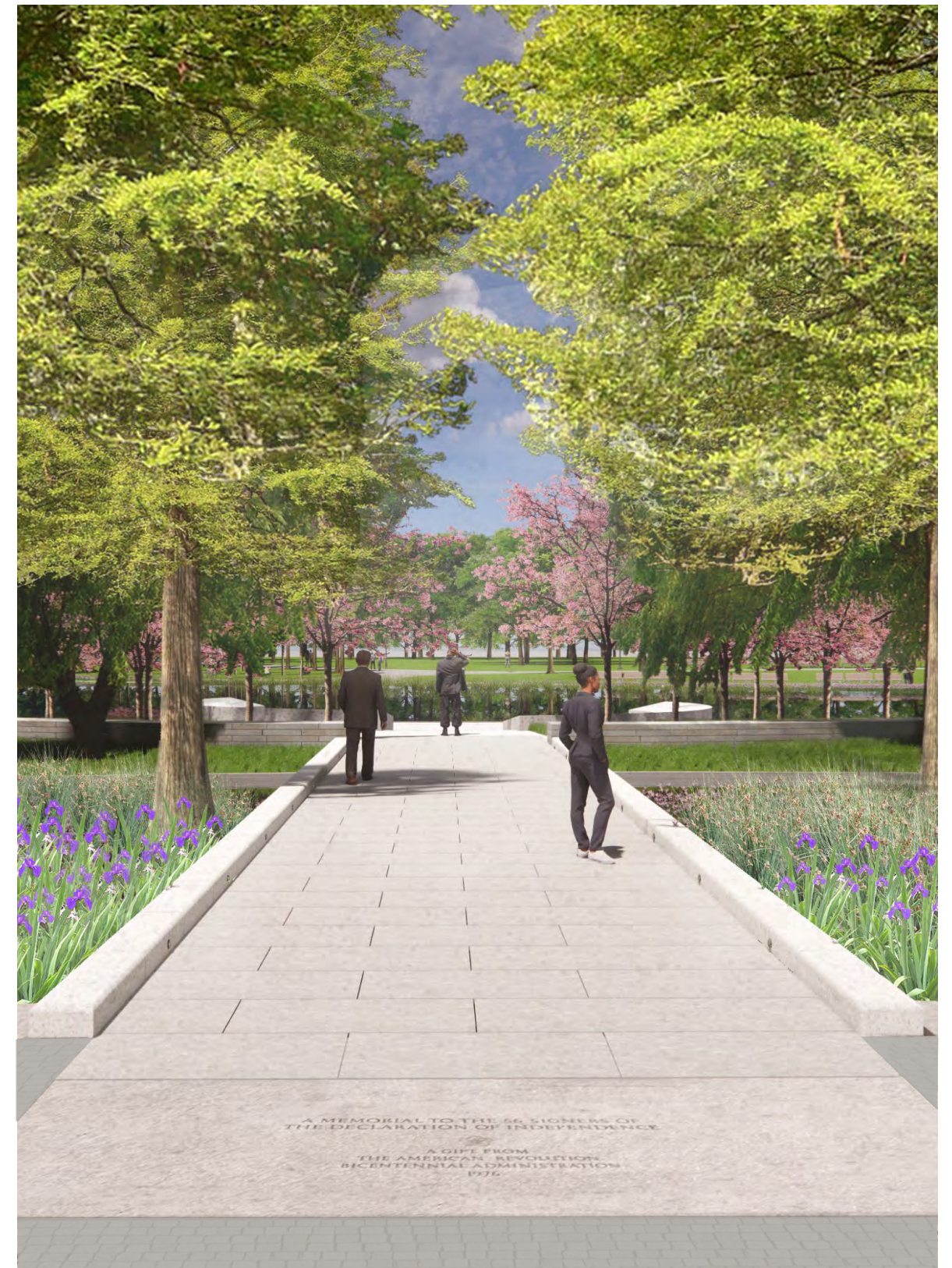
FLUSH GRANITE BAND

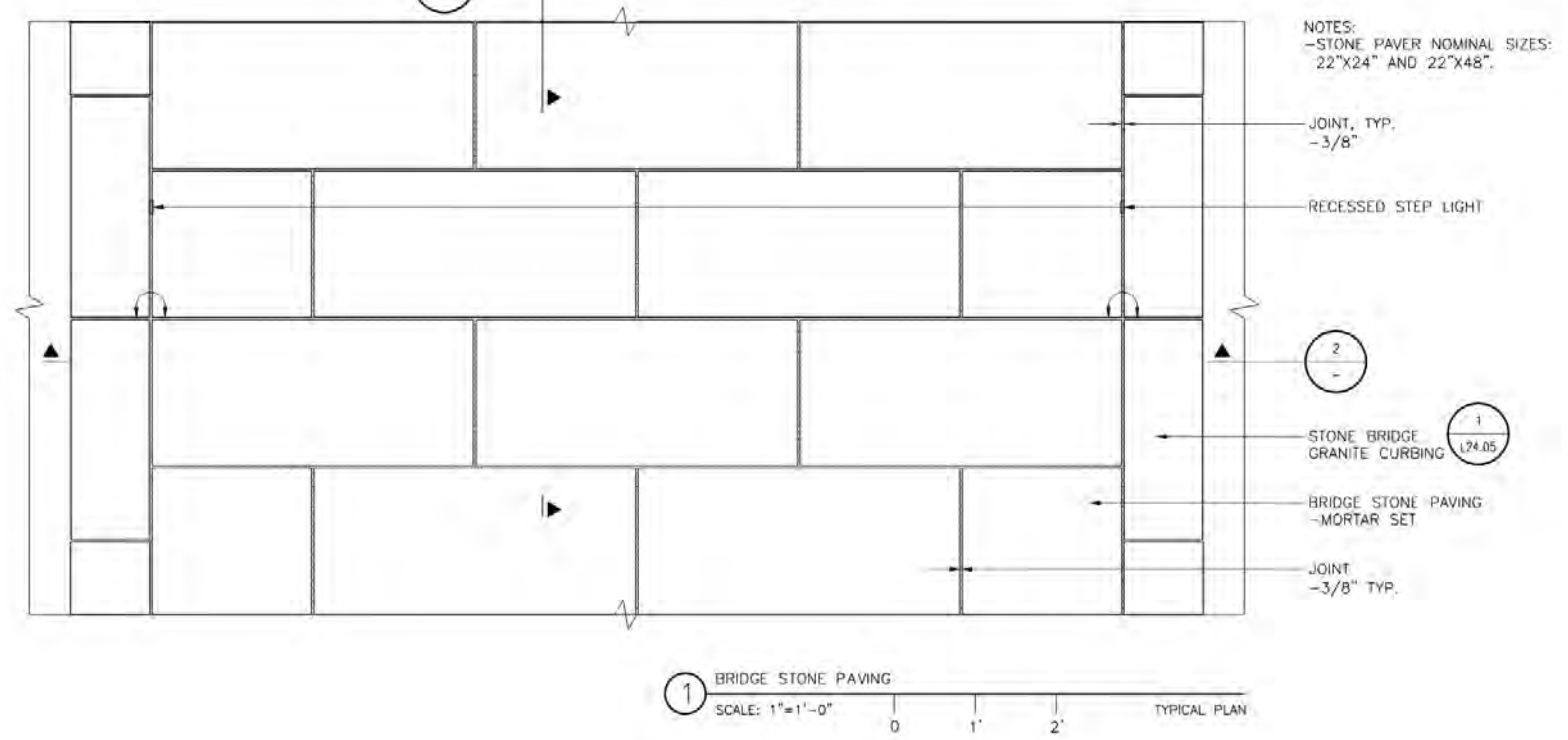
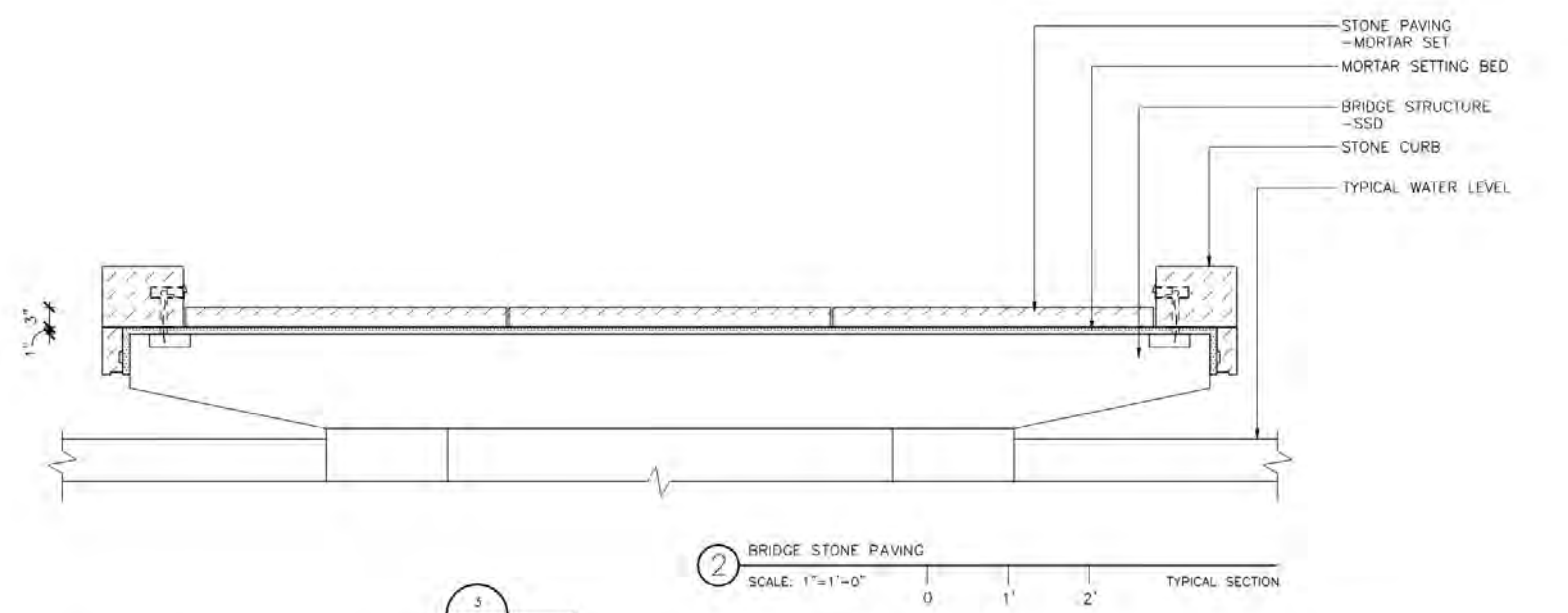
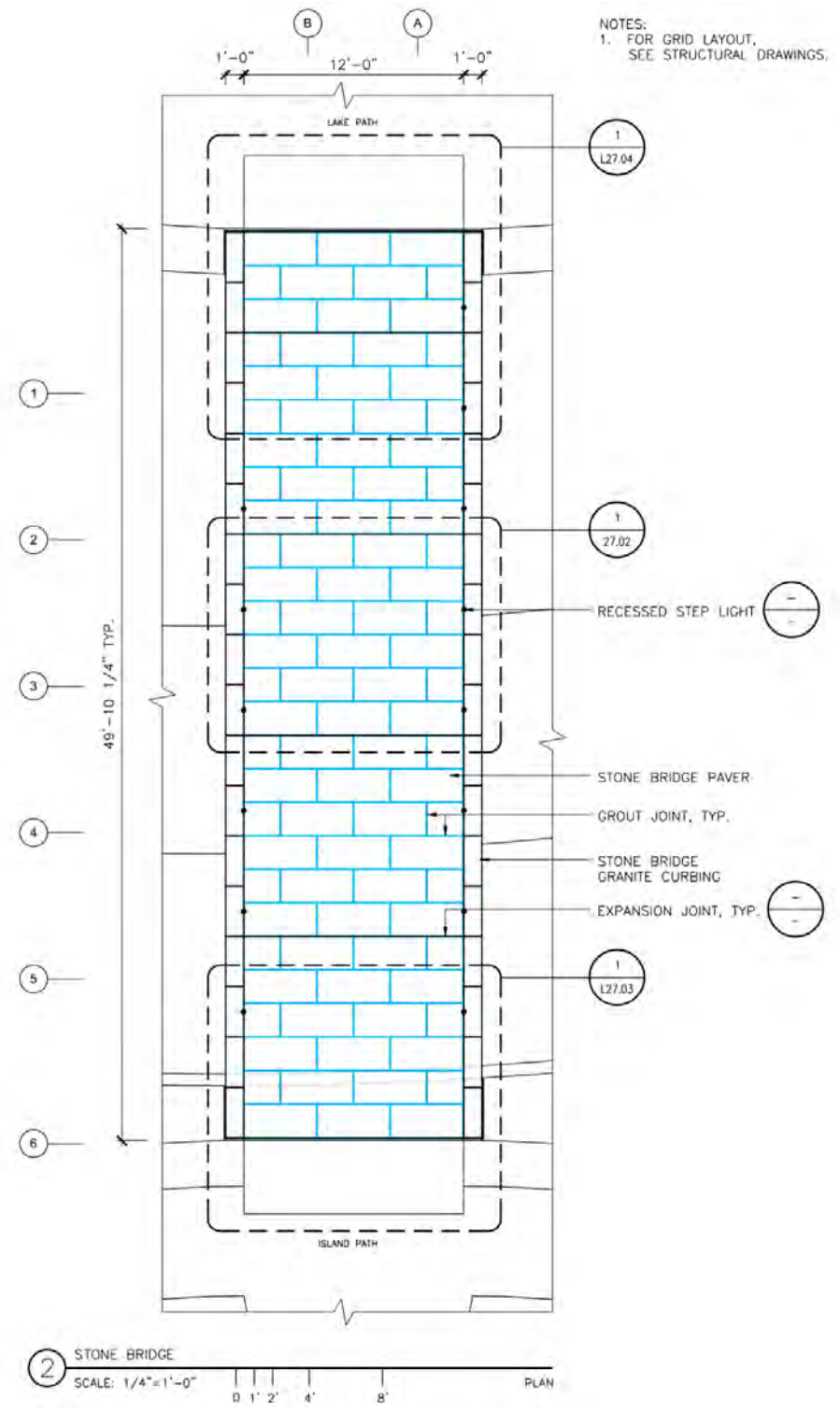
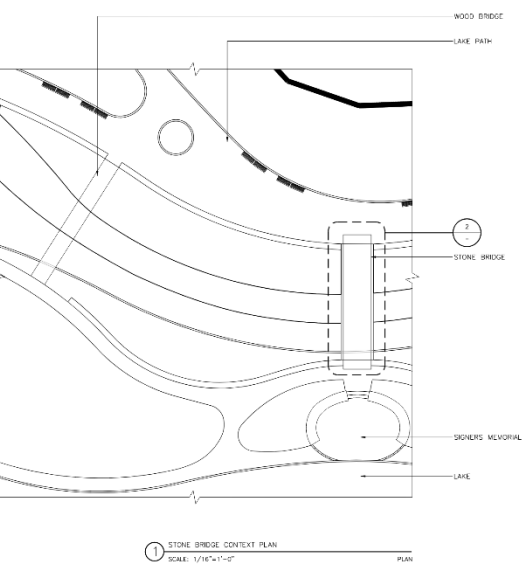
EVENT PLAZA, TERRACES, AND THE LAKE RING DECK



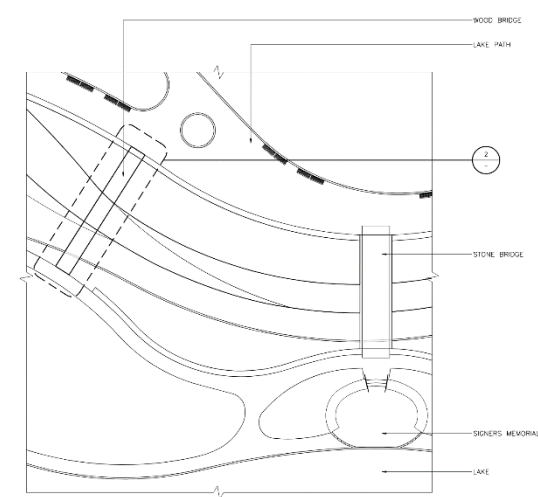
**1** WOOD STAGE CROSS SECTION  
SCALE: 3/4"=1'-0" 0 1' 2' TYPICAL SECTION

EVENT LAWN STAGE | MATERIALS AND LAYOUT



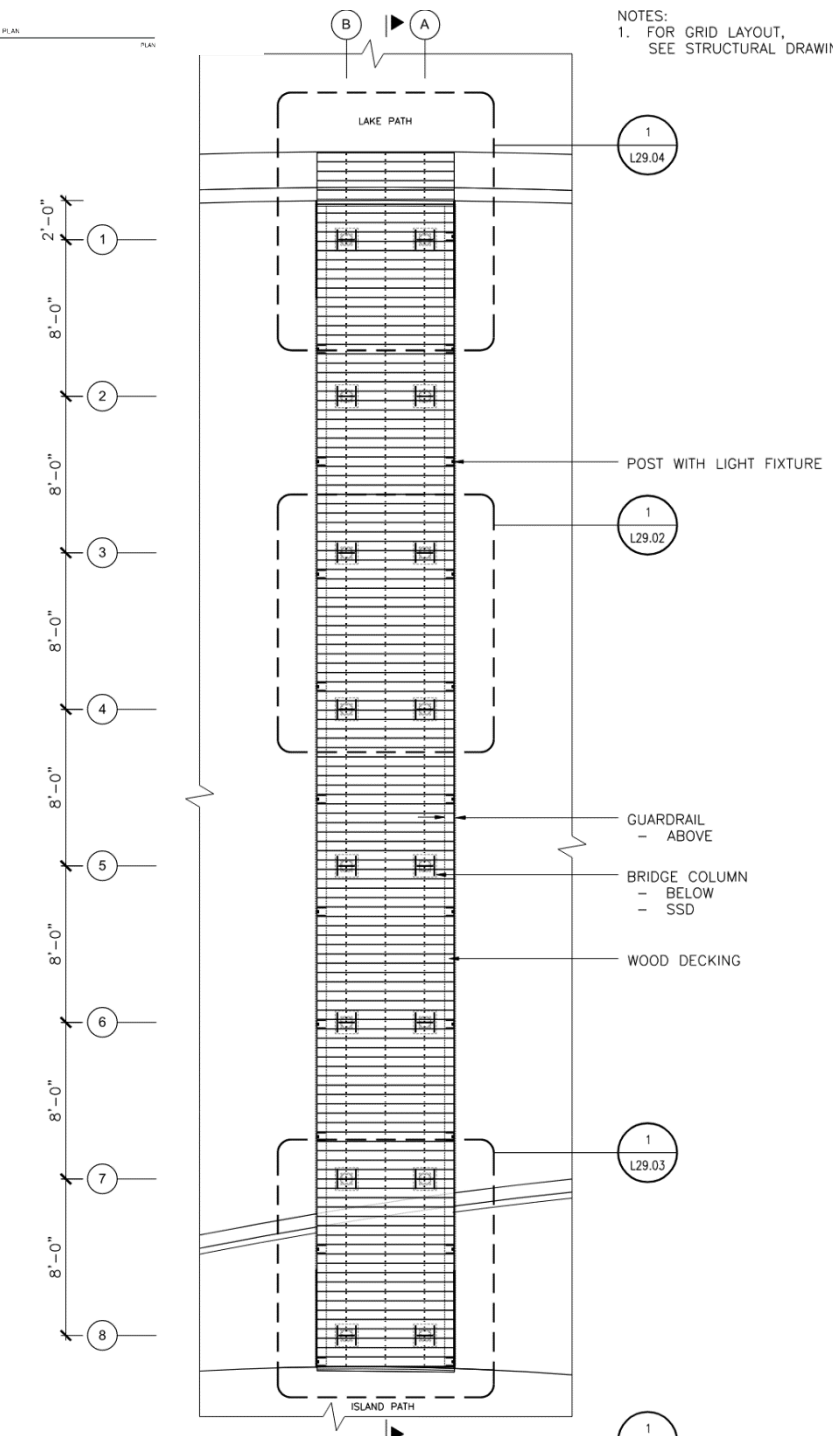




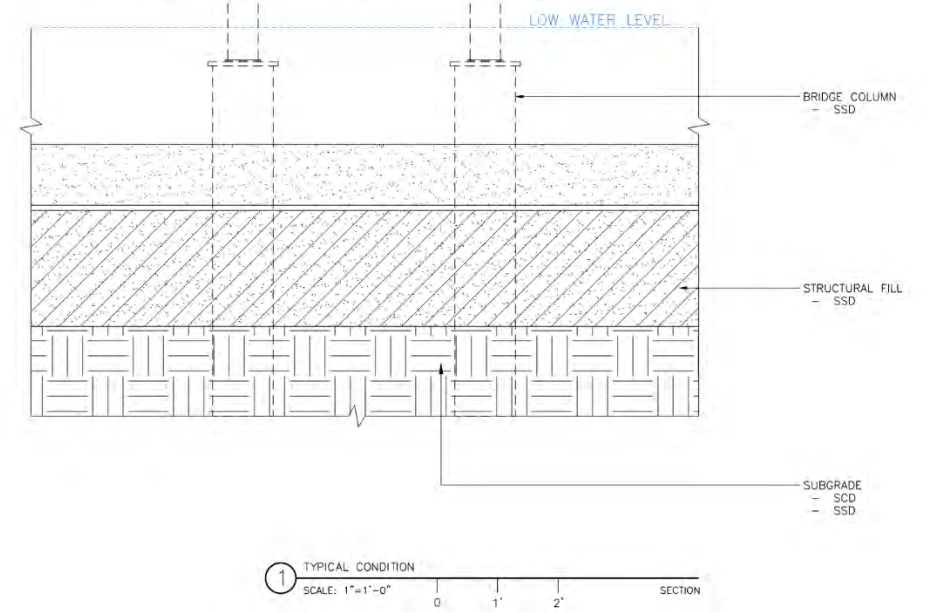
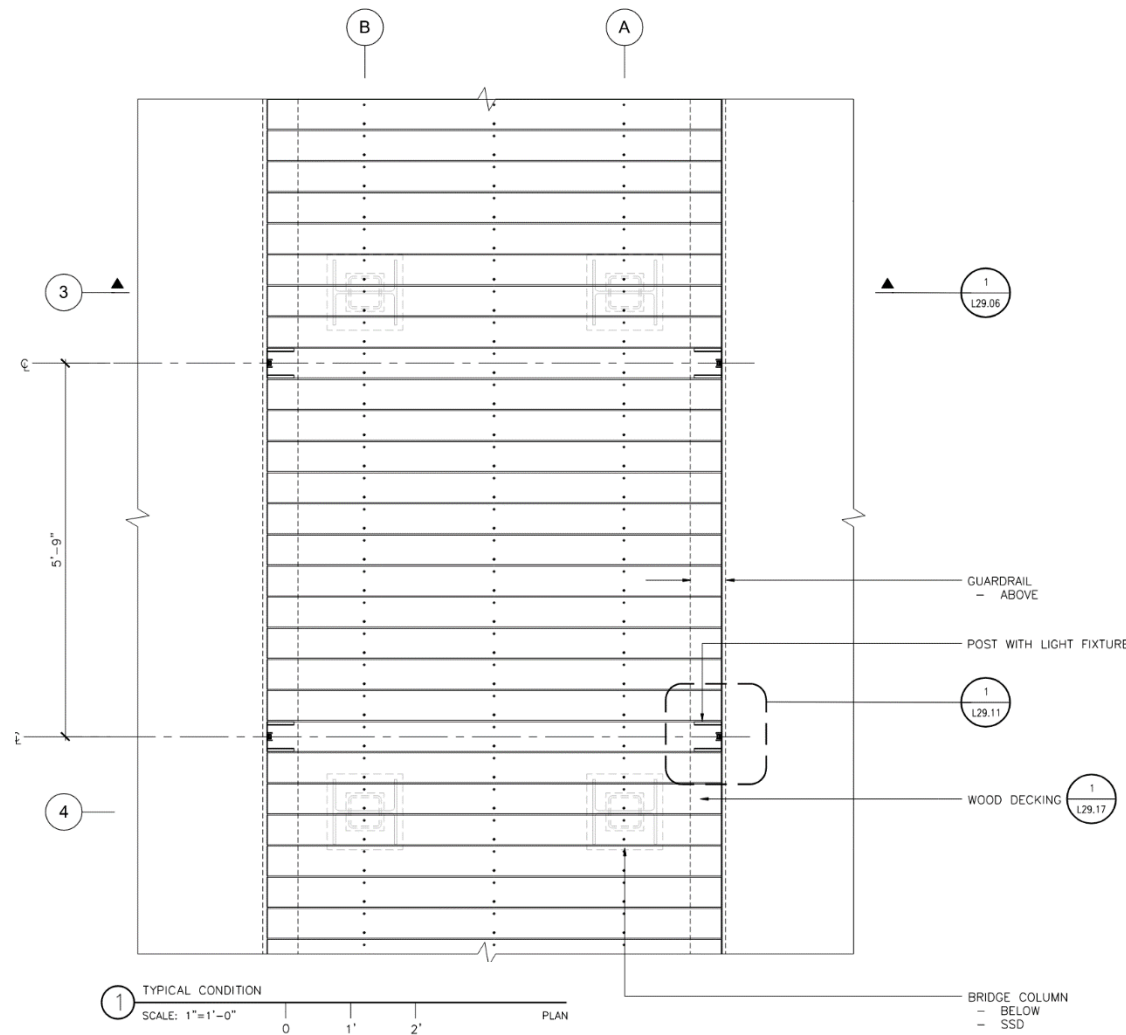
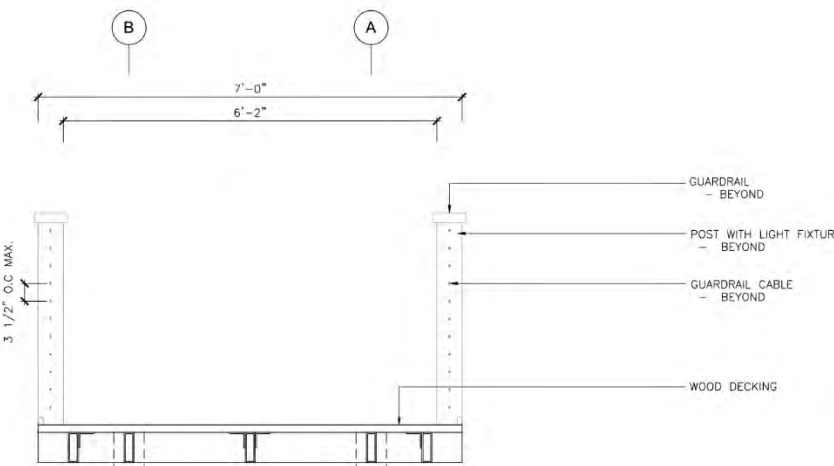
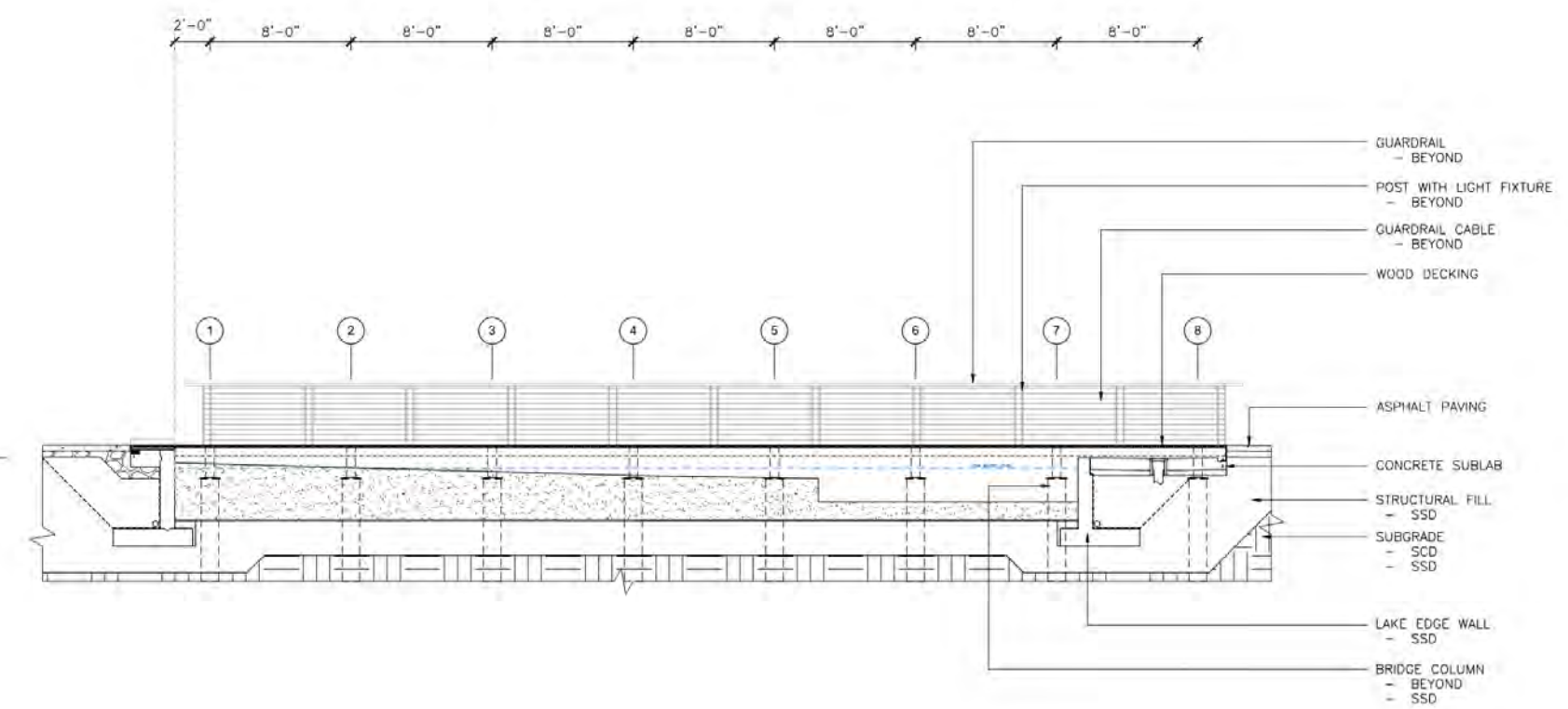


WOOD BRIDGE CONTEXT PLAN  
SCALE: 1/16"=1'-0"

NOTES:  
1. FOR GRID LAYOUT,  
SEE STRUCTURAL DRAWINGS.



WOOD BRIDGE  
SCALE: 1/4"=1'-0"



WOOD BRIDGE | MATERIALS AND LAYOUT

