

# JERRY'S POND

## CAMBRIDGE, MA

### FLOODPLAIN OVERLAY SPECIAL PERMIT

PREPARED BY:

**GENERAL CONTRACTOR:**  
**SUMCO ECO-CONTRACTING**  
2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960

**LANDSCAPE ARCHITECT:**  
**KYLE ZICK LANDSCAPE ARCHITECTURE, INC.**  
4228 WASHINGTON STREET  
BOSTON, MA 02131  
617-451-1018 TEL  
WWW.KYLEZICK.COM

**PERMITTING CONSULTANT:**  
**VHB**  
101 WALNUT ST  
WATERTOWN, MA 02472  
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**GEOTECHNICAL ENGINEER:**  
**HALEY & ALDRICH**  
465 MEDFORD ST, UNIT 2200  
BOSTON, MA 02129  
(617) 886-7400  
WWW.HALEYALDRICH.COM/

**CIVIL ENGINEER:**  
**WOODARD & CURRAN**  
980 WASHINGTON ST, DEDHAM, MA 02026  
(781) 326-3563  
WWW.WOODARDCURRAN.COM

**STRUCTURAL ENGINEER:**  
**CHILDS ENGINEERING**  
34 WILLIAMS WAY  
BELLINGHAM, MA 02019  
(508) 966-9092  
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**ELECTRICAL ENGINEER:**  
**ALLIED CONSULTING ENGINEERING SERVICES**  
215 BOSTON POST ROAD  
SUDBURY, MASSACHUSETTS 01776  
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WWW.ALLIEDCONSULTING.NET

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JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



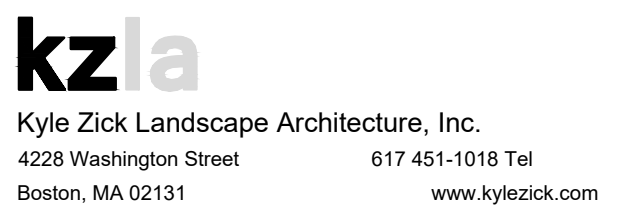
One Boston Place  
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STORMWATER CONTROL  
PERMIT # 273805

NO.	REVISION	DATE



2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960



FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:	
Project: JERRY'S POND	
Drawn By: DDD	Checked By: KZ
Date: AUGUST 12, 2024	
Scale:	
Drawing Title: COVER & LOCUS MAP	



GRADING NOTES:

1. PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE "DIG SAFE" NOTIFICATION PROCEDURES PROMOTED BY RESPECTIVE UTILITY COMPANIES. THE "DIG SAFE" TELEPHONE NUMBER FOR MASSACHUSETTS IS 811.
2. BOTTOM OF CURB ELEVATIONS BETWEEN EXISTING SPOT GRADES SHOWN ON SURVEY ARE INTERPOLATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND SHALL REPORT ANY DISCREPANCIES BETWEEN EXISTING AND PROPOSED CONDITION TO THE LANDSCAPE ARCHITECT.
3. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
4. COMPACT SUBGRADE PRIOR TO ANY FINISH GRADING. REMOVE ALL SOFT SPOTS OBSERVED OR IDENTIFIED IN FIELD.
5. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM SLOPE OF ONE-EIGHTH INCH (1/8") PER FOOT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.
6. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING, PROVIDING VERTICAL CURVES OR ROUNDINGS AT ALL TOP AND BOTTOM OF SLOPES.
7. EXCAVATION REQUIRED WITHIN DRIP LINE OF TREES DESIGNATED TO REMAIN SHALL BE DONE BY HAND. PLANT MATERIALS DAMAGED BY CONTRACTOR SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS.
8. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS OR ABUTTING PROPERTY.
9. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW.
10. MAXIMUM CROSSPITCH OF ALL SIDEWALKS IS 2%. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT.
11. ALL GRADING SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE OFFICIAL MANUAL OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR BUILDINGS AND FACILITIES, LATEST EDITION. IN CASE OF CONFLICT BETWEEN REGULATIONS, THE GUIDELINE PROVIDING GREATER ACCESS SHALL APPLY.
12. UTILITIES SHOWN ON THIS PLAN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). EXCAVATION REQUIRED WITHIN PROXIMITY OF UTILITY LINES SHALL BE DONE BY HAND. ANY DAMAGE AND INCURRED COSTS DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
13. CONTRACTOR SHALL MAINTAIN OR ADJUST TO PROPOSED FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MANHOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED ON UTILITY DRAWINGS OR AS DIRECTED BY LANDSCAPE ARCHITECT.
14. CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DETAILS AND AS SPECIFIED, FOR ALL PLANTING.
15. MAINTAIN THE INTEGRITY OF THE EXISTING DRAINAGE SYSTEM AT ALL TIMES, UNLESS OTHERWISE NOTED ON CIVIL ENGINEER'S DRAWINGS.
16. LIMIT OF WORK LINE IS NOTED ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL MEET LINE AND GRADE OF EXISTING CONDITIONS AT LIMIT OF WORK LINE.

LAYOUT NOTES:

1. ALL LINE AND GRADE WORK PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR SURVEYOR ENGAGED BY THE CONTRACTOR.
2. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
3. STORAGE AREAS FOR CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE IN AND WITHIN LIMITS OF WORK AS SHOWN ON PLANS AND AS APPROVED BY THE LANDSCAPE ARCHITECT.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE SITE SURVEY TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.
5. ALL LAYOUTS FOR WALKS AND PATHS SHALL BE ADEQUATELY STAKED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL ESTABLISH PERMANENT CONSTRUCTION BENCH MARKS. MAINTAIN ALL ESTABLISHED BOUNDS AND BENCH MARKS AND REPLACE AS DIRECTED ANY WHICH ARE DESTROYED OR DISTURBED.
7. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.
8. LIMIT OF WORK LINE IS NOTED ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
9. PROVIDE EXPANSION JOINTS AT ALL CURBS, WALLS, STEPS, LIGHT POLE BASES, PULL BOXES, MANHOLES, ETC. AND AS SHOWN ON PLAN.

MATERIAL NOTES:

1. PROVIDE EXPANSION JOINTS AT ALL CURBS, WALLS, STEPS, LIGHT POLE BASES, PULL BOXES, MANHOLES, ETC. AND AS SHOWN ON PLAN.
2. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.
3. LIMIT OF WORK LINE IS NOTED ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.


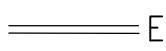
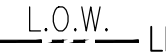


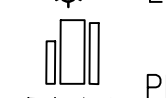

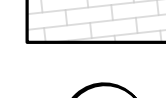
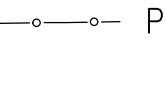







PLANTING NOTES:

1. IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT LIST, THE PLANTING PLAN SHALL GOVERN.
2. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
3. ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
4. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
5. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
6. ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
7. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
8. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
9. NEW SHRUBS AND GROUND COVER SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS IT BORE TO PREVIOUS GRADE. TREES SHALL BE SET 3" HIGHER THAN PREVIOUS GRADE. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.
10. ALL PLANT BEDS TO RECEIVE THREE INCHES (3") OF BARK MULCH AS PER SPECIFICATIONS.
11. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION.
12. CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DETAILS AND AS SPECIFIED, FOR ALL PLANTING.
13. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCE, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.
14. LIMIT OF WORK LINE IS NOTED ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
15. IN AREAS WHERE EXISTING PAVEMENTS ARE REMOVED AND ARE PROPOSED AS LAWN, THE CONTRACTOR SHALL REMOVE THE PAVEMENT AND BASE, PROVIDE FILL AND 6" TOPSOIL PRIOR TO SEEDING.

SITE PREPARATION AND DEMOLITION NOTES:

1. PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE "DIG SAFE" NOTIFICATION PROCEDURES PROMOTED BY RESPECTIVE UTILITY COMPANIES. THE DIG SAFE TELEPHONE NUMBER FOR MASSACHUSETTS IS 811.
2. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
3. ALL REFUSE, DEBRIS, AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE OWNER, SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
4. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE, AND REUSED AS DIRECTED BY THE OWNER OR LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.
5. CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL TO FULL DEPTH WITHIN LIMIT OF GRADING BEFORE COMMENCING EXCAVATION AND GRADING OPERATIONS. TOPSOIL SHALL NOT BE REMOVED FROM THE SITE, UNLESS APPROVED BY THE LANDSCAPE ARCHITECT.
6. AT ALL LOCATIONS WHERE CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
7. BEFORE ANY TREE CLEARING IS DONE, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE LANDSCAPE ARCHITECT TO IDENTIFY TREES WHICH ARE TO BE PROTECTED OR REMOVED. DO NO CLEARING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND PLANTS DESIGNATED TO REMAIN FOR THE LENGTH OF THE CONSTRUCTION PERIOD. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION.
9. DAMAGE NO PLANTS TO REMAIN BY BURNING, BY PUMPING OF WATER, BY CUTTING OF LIVE ROOTS OR BRANCHES, OR BY ANY OTHER MEANS. NO PLANTS TO BE SAVED SHALL BE USED FOR CRANE STAYS, GUYS OR OTHER FASTENINGS. VEHICLES SHALL NOT BE PARKED WITHIN THE DRIP LINE OR WHERE DAMAGE MAY RESULT TO TREES TO BE SAVED. CONSTRUCTION MATERIALS SHALL NOT BE STORED BENEATH TREES TO BE SAVED.
10. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.
11. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE OUTSIDE THE LIMIT OF WORK.
12. THE GENERAL CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MAN HOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED ON THE UTILITY DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
13. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
14. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. ANY MUD ON PUBLIC WAYS ORIGINATING FROM THE JOB SITE SHALL BE CLEANED BY THE CONTRACTOR.
15. CONTRACTOR SHALL SECURE ALL PERMITS THAT MAY BE REQUIRED FROM ALL JURISDICTIONS AFFECTED BY THIS WORK.

LEGEND

	SAWCUT		EX. CURB TO REMAIN
	PROPOSED CURB		L.O.W. LIMIT OF WORK LINE
	PROPOSED BOARDWALK		PROPOSED POLE LIGHT
	PROPOSED CONCRETE		EXISTING POLE LIGHT
	FLEXIBLE POROUS PAVEMENT		PROPOSED SEATING
	PROPOSED CONCRETE UNIT PAVERS		REMOVE & DISCARD EXISTING TREE
	PROPOSED SHADE TREE		TREE PROTECTION
	PROPOSED UNDERSTORY TREE		PROPOSED BLUE LIGHT
	EXISTING SIGNIFICANT TREE TO REMAIN, TYP.		TURBIDITY CURTAIN
	EXISTING TREE CANOPY		LIMIT OF INVASIVE SP. REMOVAL
	EXISTING SPOT GRADE, TYP.		PROPOSED BLACK CLF
	PROPOSED SPOT GRADE, TYP.		PEA GRAVEL DIAPHRAGM
	SLOPE, TYP.		AUL LIMITS FOR RTN 3-3411 DOCUMENT 1404320
	REMOVE & DIPOSE		AUL LIMITS FOR RTN 3-0277 BOOK 47069, PAGE 293
	REMOVE & RESET		PARCEL BOUNDARIES
	REMOVE & STOCKPILE		

JERRY'S POND

CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



One Boston Place  
201 Washington Street  
Suite 3920,  
Boston, MA 02108

STORMWATER CONTROL  
PERMIT # 273805

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PEABODY, MA 01960



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www.kyiezick.com

FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:

Project: JERRY'S POND

Drawn By: DDD

Checked By: KZ

Date: AUGUST 12, 2024

Scale:

Drawing Title:NOTES



PLANTING SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
TREES					
AR	1	ACER RUBRUM	RED MAPLE	3" CAL.	-
CC	5	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2" CAL.	-
CO	4	CELTIS OCCIDENTALIS	HACKBERRY	3" CAL.	-
QB	2	QUERCUS BICOLOR	SWAMP WHITE OAK	3" CAL.	-
QP	5	QUERCUS PALUSTRIS	PIN OAK	3" CAL.	-
NS	10	NYSSA SYLVATICA	TUPELO	2" CAL.	-
SR	2	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE LILAC TREE	2" CAL.	-
ZC	7	ZELKOVA SERRATA	CITY SPRITE ZELKOVA	2" CAL.	-
GROUNDCOVER					
myg	9	MYRICA GALE	SWEET GALE	2'-3' HT.	3'-0" O.C.
cea	15	CEANOTHUS AMERICANUS	NEW JERSEY TEA	2'-3' HT.	2'-0" O.C.
dvl	6	DIERVILLA LONICERA	NORTHERN BUSH HONEYSUCKLE	2'-3' HT.	2'-3" O.C.
rt	10	RHUS TYPHINA	STAGHORN SUMAC	#7 CONT.	4'-0" O.C.
spl	19	SPIRAEA LATIFOLIA	MEADOWSWEET	2'-3' HT.	4'-0" O.C.
PERENNIALS & GRASSES					
ers	742	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	2" PLUG	9" O.C.
ers1	40	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	18" O.C.
cap	742	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE	2" PLUG	9" O.C.
cap1	40	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE	2" PLUG	9" O.C.
pnv	742	PANICUM VIRGATUM	SWITCHGRASS	2" PLUG	12" O.C.
pnv1	40	PANICUM VIRGATUM	SWITCHGRASS	2" PLUG	18" O.C.
scs	742	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	2" PLUG	9" O.C.
scs1	40	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	2" PLUG	18" O.C.
sgn	742	SORGHASTRUM NUTANS	INDIAN GRASS	2" PLUG	12" O.C.
PLANT SCHEDULE - GENERAL, INCLUDING COMPENSATORY FLOOD STORAGE, BVW UNDER BOARDWALK AREA					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
TREES					
AR	6	ACER RUBRUM	RED MAPLE	3" CAL.	-
AC	4	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	10' HT.	-
BA	4	BETULA ALLEGHANIENSIS	YELLOW BIRCH	10' HT.	-
HV	5	HAMAMELIS VIRGINIANA	WITCHHAZEL	4-5' CLUMP	-
NS	1	NYSSA SYLVATICA	TUPELO	2" CAL.	-
PO	3	PLATANUS OCCIDENTALIS	SYCAMORE	3" CAL.	-
SHRUBS					
arm	6	ARONIA MELANOCARPA	BLACK CHOKEBERRY	3'-4' HT.	4'-0" O.C.
cep	9	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	3'-4' HT.	5'-0" O.C.
cle	3	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	3'-4' HT.	4'-0" O.C.
coa	6	CORNUS AMMOMUM	SILKY DOGWOOD	3'-4' HT.	5'-0" O.C.
ivt	2	ILEX VERTICILLATA	WINTERBERRY	3'-4' HT.	4'-0" O.C.
lnb	7	LINDERA BENZOIN	SPICEBUSH	3'-4' HT.	5'-0" O.C.
PERENNIALS & FERNS COMPENSATORY FLOOD STORAGE					
aqc	616	AQUILEGIA CANADENSIS	RED COLUMBINE	2" PLUG	9" O.C.
cap	616	CAREX PENNSYLVANICA	PENSSYLVANIA SEDGE	2" PLUG	9" O.C.
dnp	324	DENNSTAEDTIA PUNCTIOBULA	HAYSCENTED FERN	1 GAL.	24" O.C.
ers	616	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	2" PLUG	9" O.C.
osc	432	OSMUNDA CINNAMOMEUM	CINNAMON FERN	2 GAL.	12" O.C.
pnv	432	PANICUM VIRGATUM	SWITCHGRASS	2" PLUG	12" O.C.
scs	616	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	2" PLUG	9" O.C.
sgn	432	SORGHASTRUM NUTANS	INDIAN GRASS	2" PLUG	12" O.C.
slo	616	SOLIDAGO ODORA	SWEET GOLDERNROD	2" PLUG	9" O.C.
PERENNIALS & FERNS BVW UNDER BOARDWALK & WETLAND REPLICATION AREA					
cl1	233	CAREX LURIDA	LURID SEDGE	2" PLUG	12" O.C.
cap1	233	CAREX PENNSYLVANICA	PENSSYLVANIA SEDGE	2" PLUG	12" O.C.
cv1	233	CAREX VULPINOIDEA	FOX SEDGE	2" PLUG	12" O.C.
cls1	233	CAREX LUPULINA	HOP SEDGE	2" PLUG	12" O.C.
dnp1	264	DENNSTAEDTIA PUNCTIOBULA	HAYSCENTED FERN	2" PLUG	12" O.C.
ivi1	233	IRIS VERSICOLOR	BLUEFLAG IRIS	2" PLUG	12" O.C.
osc1	264	OSMUNDA CINNAMOMEUM	CINNAMON FERN	2" PLUG	12" O.C.
oca1	264	ONOCLEA SENSIBILIS	SENSITIVE FERN	2" PLUG	12" O.C.
lcf1	233	LOBELIA CARDINALIS	CARDINAL FLOWER	2" PLUG	12" O.C.
PERENNIALS & GRASSES					
fw-mix	367	ACOROUS AMERICANUS	SWEET FLAG	2" PLUG	6" O.C.
fw-mix	367	ASCLEPIAS INCARNATA	SWAMP MILKWEED	2" PLUG	6" O.C.
fw-mix	367	CAREX LURIDA	LURID SEDGE	2" PLUG	6" O.C.
fw-mix	367	CAREX VULPINOIDEA	FOX SEDGE	2" PLUG	6" O.C.
fw-mix	367	CAREX LUPULINA	HOP SEDGE	2" PLUG	6" O.C.
fw-mix	367	EUPATORIUM PERFOLIATUM	BONESET	2" PLUG	6" O.C.
fw-mix	367	EUTROCHIUM MACULATUM	SPOTTED JOE-PYE WEED	2" PLUG	6" O.C.
fw-mix	367	IRIS VERSICOLOR	BLUEFLAG IRIS	2" PLUG	6" O.C.
fw-mix	367	JUNCUS EFFUSUS	SOFT RUSH	2" PLUG	6" O.C.
fw-mix	367	LOBELIA CARDINALIS	CARDINAL FLOWER	2" PLUG	6" O.C.
fw-mix	367	MIMUKUS RINGENS	MONKEY FLOWER	2" PLUG	6" O.C.
fw-mix	367	PELTANDRA VIRGINICA	ARROW ARUM	2" PLUG	6" O.C.
fw-mix	367	HIBISCUS MOSCHEUTOS	SWAMP ROSEMALLOW	2" PLUG	6" O.C.
fw-mix	367	POA PALUSTRIS	FOWL BLUEGRASS	2" PLUG	6" O.C.
fw-mix	367	SCIRPUS CYPERINUS	WOOLGRASS	2" PLUG	6" O.C.
fw-mix	367	SCHOENOPLECTUS ACUTUS	HARD-STEM BULRUSH	2" PLUG	6" O.C.
fw-mix	367	SCHOENOPLECTUS AMERICANUS	CHAIRMAKER'S BLURUSH	2" PLUG	6" O.C.
fw-mix	367	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	2" PLUG	6" O.C.
fw-mix	367	SPARGANIUM AMERICANUM	BURREED	2" PLUG	6" O.C.
fw-mix	367	SYMPHYTORICHUM PUNICEUM	SWAMP ASTER	2" PLUG	6" O.C.
fw-mix	367	VERBENA HASTATA	BLUE VERVAIN	2" PLUG	6" O.C.
fw-mix	367	VERNONIA NOVEBORACENSIS	NEW YORK IRONWEED	2" PLUG	6" O.C.

REPLACEMENT WETLAND PLAN NOTES

1. Construction of the wetland replacement area will include grading, soils placement, and planting, and all work shall be performed under the supervision of an experienced wetland scientist. All plantings shall be performed in spring (April 15 to June 15) or fall (September 1 to October 31).

2. An erosion control barrier of entrenched silt fencing or staked mulch/compost tubes shall be installed along the entire perimeter of the replacement area except at the upgradient edge to allow access to machinery.

3. All areas to be planted as part of the replacement area shall be cleared and grubbed (as needed) and shall be excavated to a depth of 12 inches below the final design elevations. Minor modifications to the grading plan may be made in the field by the supervising wetland scientist in response to hydrologic conditions. Native wetland soils removed during grading may be reused onsite; any such soils shall be stockpiled and surrounded by a perimeter of erosion controls until ready for use. The supervising wetland scientist will inspect the final sub-grade of the replacement area to ensure that the proper hydrology has been established.

4. The replacement area will then be backfilled with native wetland soils and/or prepared topsoil. Prepared soils shall consist of a 1:1 mixture (or equal volumes) of organic and mineral materials (in the silt loam, loam, or loamy sand range) to increase the organic carbon content to between 4 and 12 percent by weight. Clean leaf or commercially available compost is the preferred amendment to achieve this standard, although other materials may be used if approved by the supervising wetland scientist. Areas to be planted as BVW should be graded in a slightly irregular fashion to allow for small hummocks and hollows approximately 6 inches above and below grade to create a pit and mound topography.

5. Fallen logs, branches, and other natural materials shall be distributed in the replacement area to provide wildlife habitat. These materials shall cover 2 to 4 percent of the replacement area's surface and shall not include any known invasive species. Woody material should vary in size and degree of decomposition.

6. Once wetland soils and any natural materials have been placed, any equipment or vehicles exerting a ground pressure of 3 psi or greater shall no longer be allowed in the replacement area to avoid compacting the wetland soils.

7. Shrub plantings will be installed once the above tasks have been completed. All planting work shall be performed by hand using hand tools only. The species, size, and quantity of plantings shall follow the planting schedule. Only plant materials native to the region shall be used. In the event that plant substitutions are necessary, the supervising wetland scientist or another qualified wetland scientist or botanist shall be consulted. All woody plant stock shall either be bare-root or container-grown. Plantings shall be installed in accordance with the design specified on the plan, although the supervising wetland scientist may direct the project contractor to relocate plantings based on field conditions. Shrubs should planted in clusters of 3-4 plants to simulate a natural distribution. Spacing between individual plants should be as specified in the planting schedule, with spacing in between clusters of 10 to 12 feet.

8. Following shrub plantings, the area will be seeded with a native wetland seed mix as specified in the planting schedule or a similar mix. The seed mix shall be applied at a rate and in a manner according to the manufacturer's specifications.

9. Following completion of planting and seeding, a line of erosion controls will be installed along the upgradient edge of the replacement area. All erosion controls around the replacement area shall remain in place until vegetation is well-established and soils have stabilized, at which point the barriers shall be removed and disposed of.

10. The replacement area will be monitored for two full growing seasons after planting. The area will be inspected once per year to assess whether the area has achieved 75 percent cover by indigenous wetland species. Consideration will be given to other native wetland plant species that become established in the replacement.

11. Invasive species within the replacement area shall be removed by hand for two growing seasons after planting. If necessary any areas where invasive species have been removed will be reseeded with a suitable wetland seed mix.

HATCH	TYPE	SYMBOL	NOTES
	I INVASIVE MANAGEMENT		SUNNY
	II NATIVE PERENNIAL RESTORATION		SHADE
	III NATIVE RESTORATION		
	IV NATIVE RESTORATION FOR BANK		

Type 1: Native Perennial Restoration Seed Mix for Invasive Management Revegetation Areas for sunny areas.

The Basis of Design for Type 2 Conservation Seed Mix shall be "Native Steep Slope Mix with Annual Ryegrass" as manufactured by Ernst Seeds, or Meadville, Pennsylvania. Approved equals may be submitted for evaluation, but must be the following specifications:

Seed Mixture Composition:		
Botanical name	Common name	Percentage
<i>Sorghastrum nutans</i> , 'Tomahawk'	Indiangrass, 'Tomahawk'	31.1%
<i>Lolium multiflorum</i>	Annual Ryegrass	20.0%
<i>Andropogon gerardii</i> , 'Niagara'	Big Bluestem, 'Niagara'	14.0%
<i>Elymus virginicus</i> , 'Madison'	Virginia Wildrye, 'Madison'	10.0%
<i>Elymus canadensis</i>	Canada Wildrye	7.0%
<i>Agrostis perennans</i> , <i>Albany Pine Bush</i> Autumn Bentgrass	Autumn Bentgrass	4.0%
<i>Panicum virgatum</i> , 'Shawnee'	Switchgrass, 'Shawnee'	4.0%
<i>Panicum clandestinum</i> Tioga	Deertongue	3.0%
<i>Echinacea purpurea</i>	Purple Coneflower	1.5%
<i>Chamaecrista fasciculata</i>	Partridge Pea	1.3%
<i>Helopsis helianthoides</i>	Oxeye Sunflower	1.2%
<i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis	1.0%
<i>Rudbeckia hirta</i>	Blackeyed Susan	1.0%
<i>Monarda fistulosa</i> , <i>Fort Indiantown Gap</i> Wild Bergamot	Wild Bergamot	0.3%
<i>Asclepias syriaca</i>	Common Milkweed	0.2%
<i>Solidago nemoralis</i>	Gray Goldenrod	0.2%
<i>Aster laevis</i>	Smooth Blue Aster	0.1%
<i>Aster novae-angliae</i>	New England Aster	0.1%

- Seeding rate shall be 60 pounds per acre/1.5 pounds per 1,000 square feet.

2. Conservation seed mix shall be spread with a nurse crop. The nurse crop shall be comprised of the following:
- If planted in spring: *Secale cereal* (grain rye) at a rate of 30 pounds per acre

If planted in fall: *Avena sativa* (grain oats) at a rate of 30 pounds per acre

Type 2: Native Perennial Restoration Seed Mix for Invasive Management Revegetation Areas for partially shaded areas.

The Basis of Design for Type 2 Conservation Seed Mix shall be "Partially Shaded Area Roadside Mix" as manufactured by Ernst Seeds, or Meadville, Pennsylvania. Approved equals may be submitted for evaluation, but must be the following specifications:

Seed Mixture Composition:		
Botanical name	Common name	Percentage
<i>Schizachyrium scoparium</i> , <i>Fort Indiantown Gap</i> Little Bluestem	Virginia Wildrye, 'Madison'	51.5%
<i>Elymus virginicus</i> , 'Madison'	Bottlebrush Grass	20.0%
<i>Elymus hystrix</i>	Partridge Pea	6.5%
<i>Echinacea purpurea</i>	Purple Coneflower	6.0%
<i>Chamaecrista fasciculata</i>	Blackeyed Susan	3.5%
<i>Rudbeckia hirta</i>	Oxeye Sunflower	3.0%
<i>Helopsis helianthoides</i>	Ohio Spiderwort	2.0%
<i>Tradescantia ohienis</i>	Bigleaf Aster	0.8%
<i>Aster prenanthoides</i>	Zigzag Aster	0.7%
<i>Liatris spicata</i>	Marsh Blazing Star	0.7%
<i>Pyranthemum tenuifolium</i>	Narrowleaf Mountainmint	0.7%
<i>Zizia aurea</i>	Golden Alexanders	0.7%
<i>Baptisia australis</i>	Blue False Indigo	0.5%
<i>Anemone virginiana</i>	Thimbleweed	0.4%
<i>Gaum canadense</i>	White Avens	0.4%
<i>Monarda fistulosa</i> , <i>Fort Indiantown Gap</i> Wild Bergamot, <i>Fort Indiantown Gap</i> 0.4%	Tall White Beardtongue	0.4%
<i>Penstemon digitalis</i>	Butterfly Milkweed	0.3%
<i>Asclepias tuberosa</i>	Gray Goldenrod	0.3%
<i>Solidago nemoralis</i>	Gray Goldenrod	0.3%
<i>Agrostis perennans</i> , <i>Albany Pine Bush</i> Autumn Bentgrass, <i>Albany Pine Bush</i> 0.2%	Common Milkweed	0.1%
<i>Asclepias syriaca</i>	White Snakeroot	0.1%
<i>Eupatorium rugosum</i>	Licorice Scented Goldenrod	0.1%
<i>Solidago odora</i>		

- a. Seeding rate shall be 20 pounds per acre/0.5 pounds per 1,000 square feet.

1. Conservation seed mix shall be spread with a nurse crop.

2. The nurse crop shall be comprised of the following:

- a. If planted in spring: *Secale cereal* (grain rye) at a rate of 30 pounds per acre

b. If planted in fall: *Avena sativa* (grain oats) at a rate of 30 pounds per acre

Type 3: Native Restoration Seed Mix for bank stabilization and revegetation.

The Basis of Design for Type 3 Conservation Seed Mix shall be "New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites" as manufactured by New England Wetland Plants of Amherst, Massachusetts. Approved equals may be submitted for evaluation, but must be the following specifications:

Seed Mixture Composition:	
Botanical name	Common name
<i>Agrostis perennans</i>	Upland bentgrass
<i>Andropogon gerardi</i>	Big bluestem
<i>Aster/Symphyotrichum novae-angliae</i>	New England aster
<i>Bidens frondosa</i>	Beggar ticks
<i>Elymus repens</i>	Riverbank wild rye
<i>Eupatorium/Eutrochium maculatum</i>	Spotted Joe Pye weed
<i>Eupatorium perfoliatum</i>	Boneset
<i>Festuca rubra</i>	Red fescue
<i>Juncus effusus</i>	Soft rush
<i>Panicum virgatum</i>	Switch grass
<i>Schizachyrium scoparium</i>	Little bluestem
<i>Scirpus cyperinus</i>	Wool grass
<i>Vernonia noveboracensis</i>	New York ironweed

Seeding rate shall be 35 pounds per acre, or 1,250 square feet per pound

Type 4: Native Restoration Seed Mix for bank stabilization and revegetation.

The Basis of Design for Type 4 Wet Seed Mix shall be "New England Semi Shade Grass & Forbes Mix" as manufactured by New England Wetland Plants of Amherst, Massachusetts. Approved equals may be submitted for evaluation, but must be the following specifications:

<i>Elymus virginicus</i>	Virginia Wild Rye
<i>Elymus canadensis</i>	Canada Wild Rye
<i>Festuca rubra</i>	Red Fescue
<i>Chamaecrista fasciculata</i>	Partridge Pea
<i>Liatris spicata</i>	Spiked Gayfeather/Marsh Blazing Star
<i>Onoclea sensibilis</i>	Sensitive Fern
<i>Aster prenanthoides</i>	Zigzag Aster
<i>Eupatorium fistulosum</i>	Hollow-Stem Joe Pye Weed
<i>Eupatorium perfoliatum</i>	Boneset
<i>Juncus tenuis</i>	Path Rush

JERRY'S POND

CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:

One Boston Place

201 Washington Street

Suite 3920,

Boston, MA 02108

STORMWATER CONTROL  
PERMIT # 273805

NO.	REVISION	DATE



2 CENTENNIAL DRIVE  
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FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:

Project: JERRY'S POND

Drawn By: DDD

Checked By: KZ

Date: AUGUST 12, 2024

Scale:

Drawing Title: PLANT SCHEDULE



SURVEY LEGEND:

- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- MANHOLE
- HYDRANT
- WATER SHUT OFF/WATER GATE
- GAS SHUT OFF/GAS GATE
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- ELECTRIC HANDHOLE
- SIGN
- AD AREA DRAIN
- RD ROOF DRAIN
- SECURITY CAMERA
- FA FIRE ALARM
- PV POST INDICATOR VALVE
- SP STAND PIPE/SIAMESE CONNECTION
- GP GATE POST
- ICV IRRIGATION CONTROL VALVE
- DISP DISABLED PARKING SPACE
- NUM NUMBER OF PARKING SPACES
- BIT BITUMINOUS
- CL CALCULATED
- CCB CAPE COD BERM
- CLF CHAIN LINK FENCE
- CONC CONCRETE
- DH DRILL HOLE
- ENT ENTRANCE
- FD FOUND
- FGC FLUSH GRANITE CURB
- L ARC LENGTH
- LCC LAND COURT CASE
- M&S MULCH & SHRUBS
- R RADIUS
- (R) RECORD
- SQ. FT. SQUARE FEET
- VGC VERTICAL GRANITE CURB
- WF WOOD FENCE
- E ELECTRIC
- CHW OVERHEAD WIRES

STAGING AREA ACTIVITIES:

- STAGING AREA A: TEMPORARY STOCKPILE AREA; BUILDING MATERIAL STORAGE; CONCRETE WASHOUT; REFUELING; WASHING OF EQUIPMENT AND VEHICLES; HANDLING/DISPOSAL OF MATERIALS; SANITARY FACILITIES; INGRESS/EGRESS TO WORK AREA.
- STAGING AREA B: BUILDING MATERIAL STORAGE; CONCRETE WASHOUT; REFUELING; WASHING OF EQUIPMENT AND VEHICLES; HANDLING/DISPOSAL OF MATERIALS; SANITARY FACILITIES; INGRESS/EGRESS TO WORK AREA.
- STAGING AREA C: TEMPORARY STOCKPILE AREA; BUILDING MATERIAL STORAGE; CONCRETE WASHOUT; REFUELING; WASHING OF EQUIPMENT AND VEHICLES; HANDLING/DISPOSAL OF MATERIALS; SANITARY FACILITIES; INGRESS/EGRESS TO WORK AREA.
- STAGING AREA D: TEMPORARY STOCKPILE AREA; BUILDING MATERIAL STORAGE; CONCRETE WASHOUT; REFUELING; WASHING OF EQUIPMENT AND VEHICLES; HANDLING/DISPOSAL OF MATERIALS; SANITARY FACILITIES; INGRESS/EGRESS TO WORK AREA.

WATERSHED LEGEND:

- SUBCATCHMENT AREA
- DESIGN POINT
- POND
- TIME OF CONCENTRATION
- SUBCATCHMENT BOUNDARY
- CONSTRUCTION LAY-DOWN AREAS
- AUL LIMITS FOR RTN 3-3411 DOCUMENT 1404320
- AUL LIMITS FOR RTN 3-0277 BOOK 47069, PAGE 293
- STABILIZED CONSTRUCTION ENTRANCE

SURVEY NOTES:

- 1) BENCH MARK INFORMATION:
- BENCH MARK USED:
- TBM-1 : CHISEL SQUARE ON HEADWALL EAST OF ALEWIFE TRAIN STATION ENTRANCE ALONG PATHWAY  
ELEVATION = 21.00
- TBM-3 : CHISEL SQUARE ON CONCRETE BASE OF LIGHT POLE WEST OF THE SPORTS HEAD HOUSE ALONG PATHWAY  
ELEVATION = 22.24
- TEMPORARY BENCH MARKS SET:
- CD1: CHISEL SQUARE ON CORNER OF CONCRETE CURB NORTH OF ALEWIFE TRAIN STATION ENTRANCE ALONG PATHWAY  
ELEVATION = 20.87
- CD2: CHISEL SQUARE ON CORNER OF LIGHT POLE FOOTING  
ELEVATION = 19.59
- CD3: X-MARK ON CORNER OF LIGHT POLE - UP 3.3' ALONG PATHWAY NORTH OF HARVEY STREET  
ELEVATION = 24.60
- CD4: CHISEL SQUARE ON CORNER OF CONCRETE PAD  
ELEVATION = 23.90
- CD5: HYDRANT - RIGHT BOLT OVER MAIN OUTLET ON WHITEMORE AVE BETWEEN HARRISON AVE AND MADISON AVE  
ELEVATION = 21.51
- TBM-A: HYDRANT - X-CUT IN RIGHT BOLT OVER MAIN OUTLET - UP 2.2' @ 1 ALEWIFE CENTER  
ELEVATION = 20.98
- TBM-B: HYDRANT - X-CUT IN RIGHT BOLT OVER MAIN OUTLET - UP 2.4' - 100' EAST OF THE INTERSECTION OF WHITEMORE AVE. AND KASSUL  
ELEVATION = 22.78
- TBM-C: HYDRANT - X-CUT IN RIGHT BOLT OVER MAIN OUTLET AT INTERSECTION OF WHITEMORE AVE AND KIMBALL STREET  
ELEVATION = 22.22
- TBM-KB1: HYDRANT - X-CUT IN LEFT BOLT OVER MAIN OUTLET LOCATED IN FRONT OF NO. 366 RINDGE AVE.  
ELEVATION = 25.42
- TBM-KB2: MAGNAIL SET IN TRAFFIC SIGNAL BASE LOCATED IN FRONT OF NO. 354 RINDGE AVE.  
ELEVATION = 24.64
- 2) CAMBRIDGE CITY BASE IS THE VERTICAL DATUM - PROVIDE HORIZONTAL DATUM
- 3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.
- 4) PLOTTED GRAPHICALLY AS SHOWN, THE PARCEL SHOWN HEREON LIES PARTIALLY WITHIN A ZONE "X" (UNSHADED), AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD, PARTIALLY IN ZONE "X" (SHADED) AREAS DETERMINED TO BE WITHIN THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND PARTIALLY IN ZONE "AE" BASE FLOOD ELEVATION DETERMINED. AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A) FLOOD INSURANCE RATE MAP (F.I.R.M.) FOR MIDDLESEX COUNTY, MASSACHUSETTS, MAP NUMBER 25017C0419E, CITY OF CAMBRIDGE COMMUNITY NUMBER 250186, PANEL NUMBER 0419, HAVING AN EFFECTIVE DATE OF JUNE 4, 2009.
- 5) F.E.M.A. ZONE 'AE' [SURVEY], BASED ON FIELD MEASUREMENTS USING BASE FLOOD ELEVATION = 7.00' NAVD88 (18.76' CCB).
- 6) THE APPROXIMATE BVW LINE AND ILSF LINES WITH THEIR ASSOCIATED BUFFERS SHOWN HEREON WERE PROVIDED BY A SKETCH FROM VHB ON JANUARY 18, 2021.



GENERAL NOTES:

1. SEE SHEETS L1.1-L1.4 FOR EROSION & SEDIMENT CONTROL MEASURES. ANY TEMPORARY STOCKPILES SHALL BE LOCATED IN DESIGNATED CONSTRUCTION LAY-DOWN AREAS & SHALL BE SURROUNDED BY STRAW WATTLES.

JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



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STORMWATER CONTROL  
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NO.	REVISION	DATE



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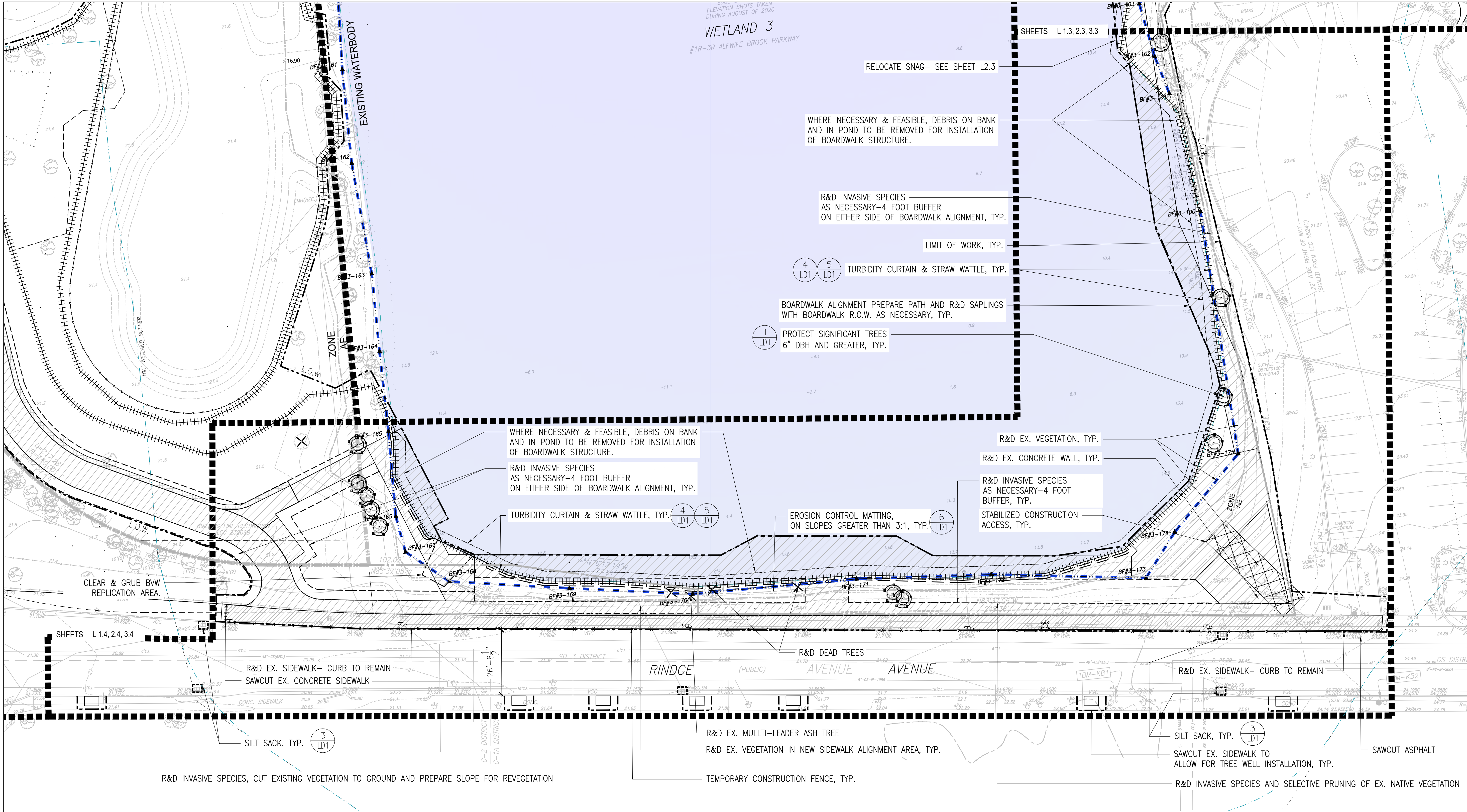
FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:  
Project: JERRY'S POND  
Drawn By: DDD Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=40'-0"  
Drawing Title:  
EXISTING CONDITIONS PLAN









- NOTES:
1. NO WORK IS TO BE UNDERTAKEN IN RINDGE AVENUE. CURB LINES WILL NOT BE ALTERED. LIMIT OF WORK IS BACK OF CURB.
  2. ALL STREET SIGNS IN LIMIT OF WORK ARE MOUNTED ON UTILITY POLES. IF DISTURBED BY SIDEWALK WORK, EXISTING STREET SIGNS TO BE RESET IN EXISTING LOCATION.

JERRY'S POND

CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:

IQHQ

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STORMWATER CONTROL

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NO.	REVISION	DATE



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FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:

Project: JERRY'S POND

Drawn By: DDD

Checked By: KZ

Date: AUGUST 12, 2024

Scale: 1"=20'-0"

Drawing Title:

RINDGE AVENUE DEMO PLAN

0

10

20

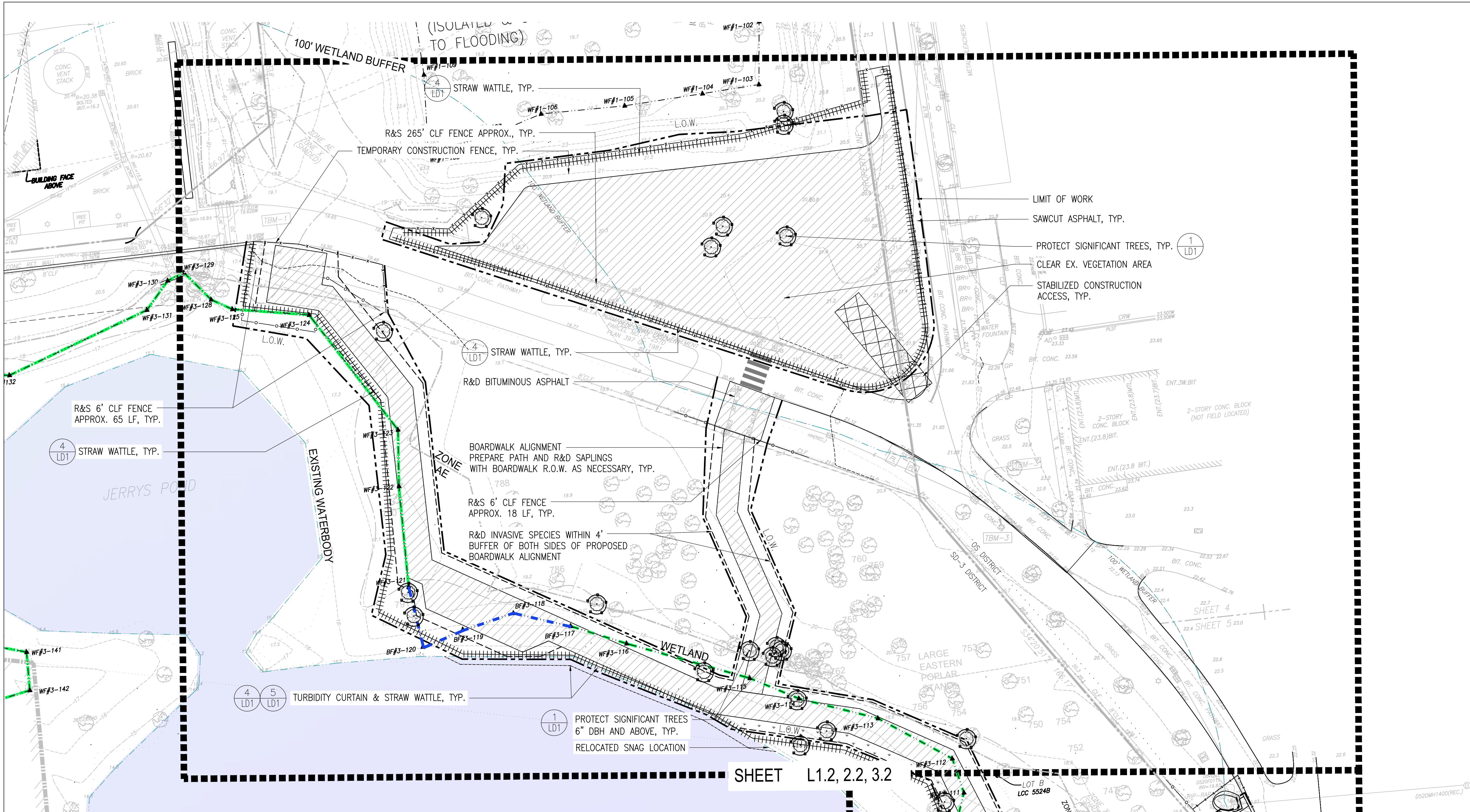
40 FT.

L1.1



## JERRY'S DECK DEMO PLAN





**JERRY'S POND**  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



One Boston Place  
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Suite 3920,  
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2 CENTENNIAL DRIVE  
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FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:  
Project: JERRY'S POND  
Drawn By: DDD Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:  
ALEWIFE PARKWAY DEMO PLAN

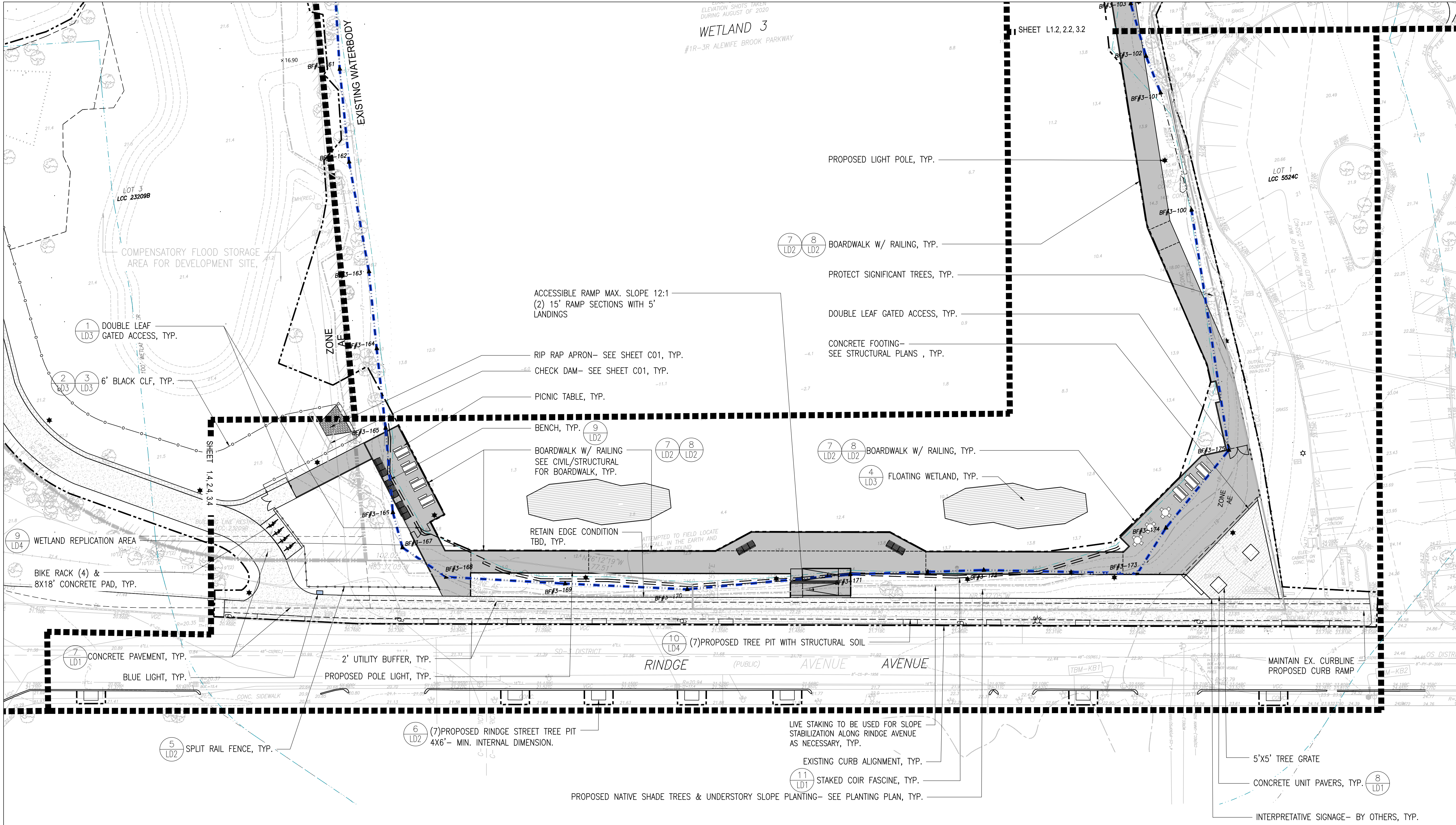


L1.3









NOTE:  
1. FOR DIMENSIONS, SEE GRADING & LAYOUT PLANS, SHEETS L3.1-L3.4

JERRY'S POND

CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:

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PERMIT # 273805

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2 CENTENNIAL DRIVE  
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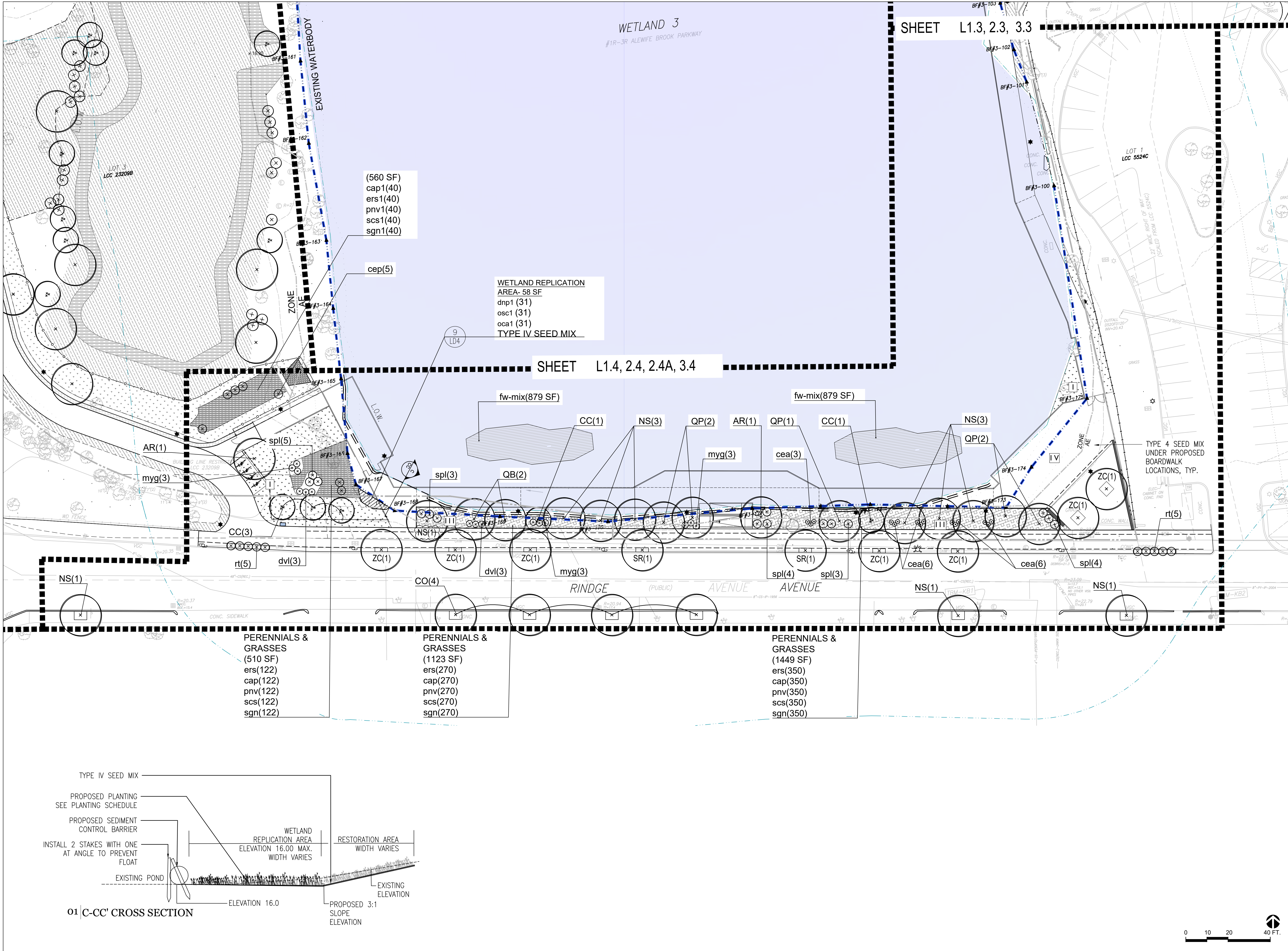
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Job Number:  
Project: JERRY'S POND  
Drawn By: DDD  
Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:  
RINDGE AVENUE MATERIAL PLAN

L2.1





JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

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Boston, MA 02108

STORMWATER CONTROL  
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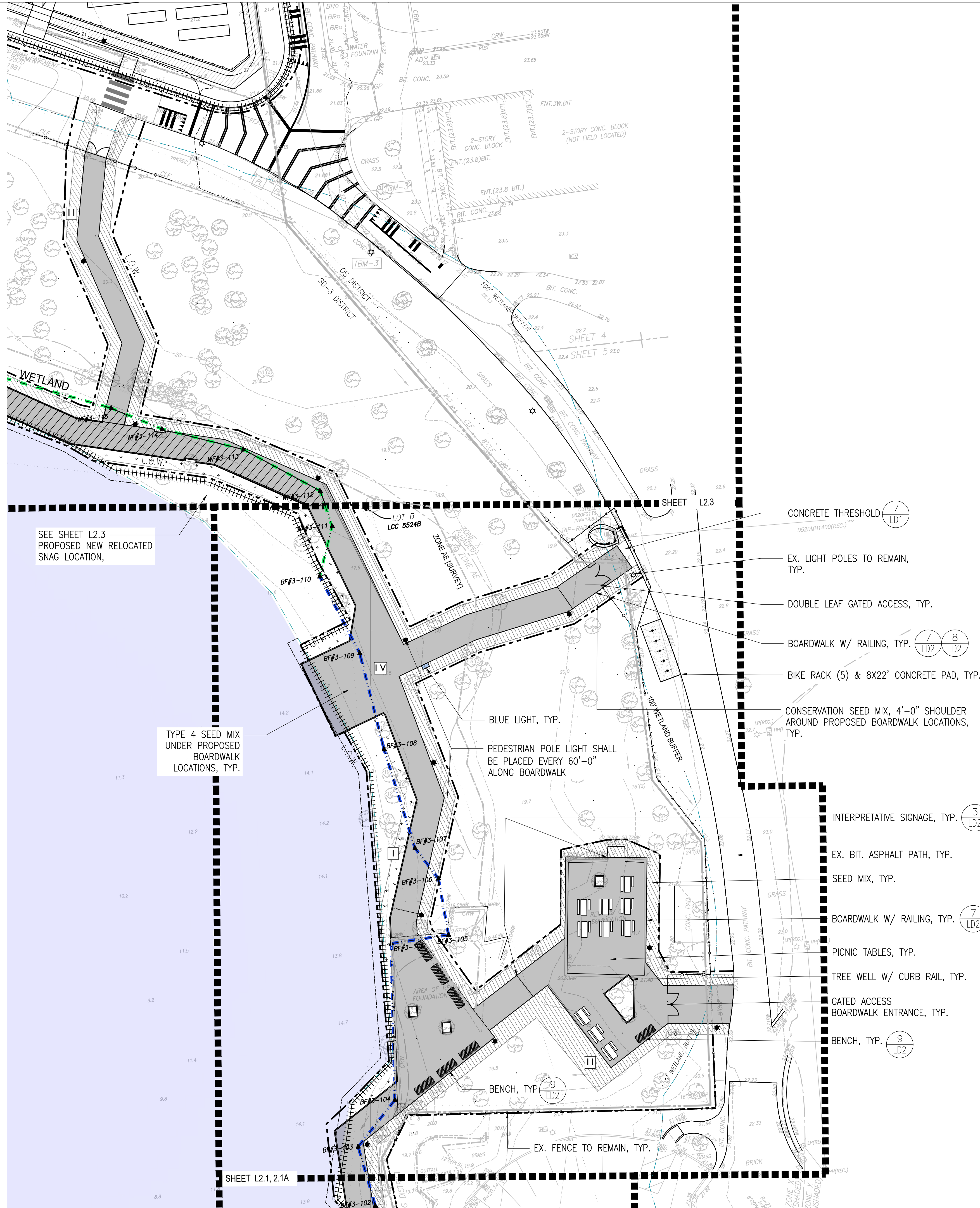
**kz** a  
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FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:  
Project: JERRY'S POND  
Drawn By: DDD Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:

RINDGE AVENUE PLANTING PLAN





**JERRY'S POND**  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



One Boston Place  
201 Washington Street  
Suite 3920,  
Boston, MA 02108

STORMWATER CONTROL  
PERMIT # 273805

NO.	REVISION	DATE



2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960

**kz**la  
Kylie Zick Landscape Architecture, Inc.  
4228 Washington Street  
Boston, MA 02131  
617 451-1018 Tel  
www.kyiezick.com

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Scale: 1"=20'-0"  
Drawing Title:  
JERRY'S DECK MATERIAL  
& PLANTING PLAN

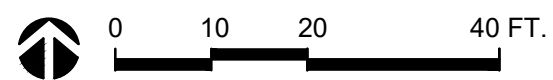
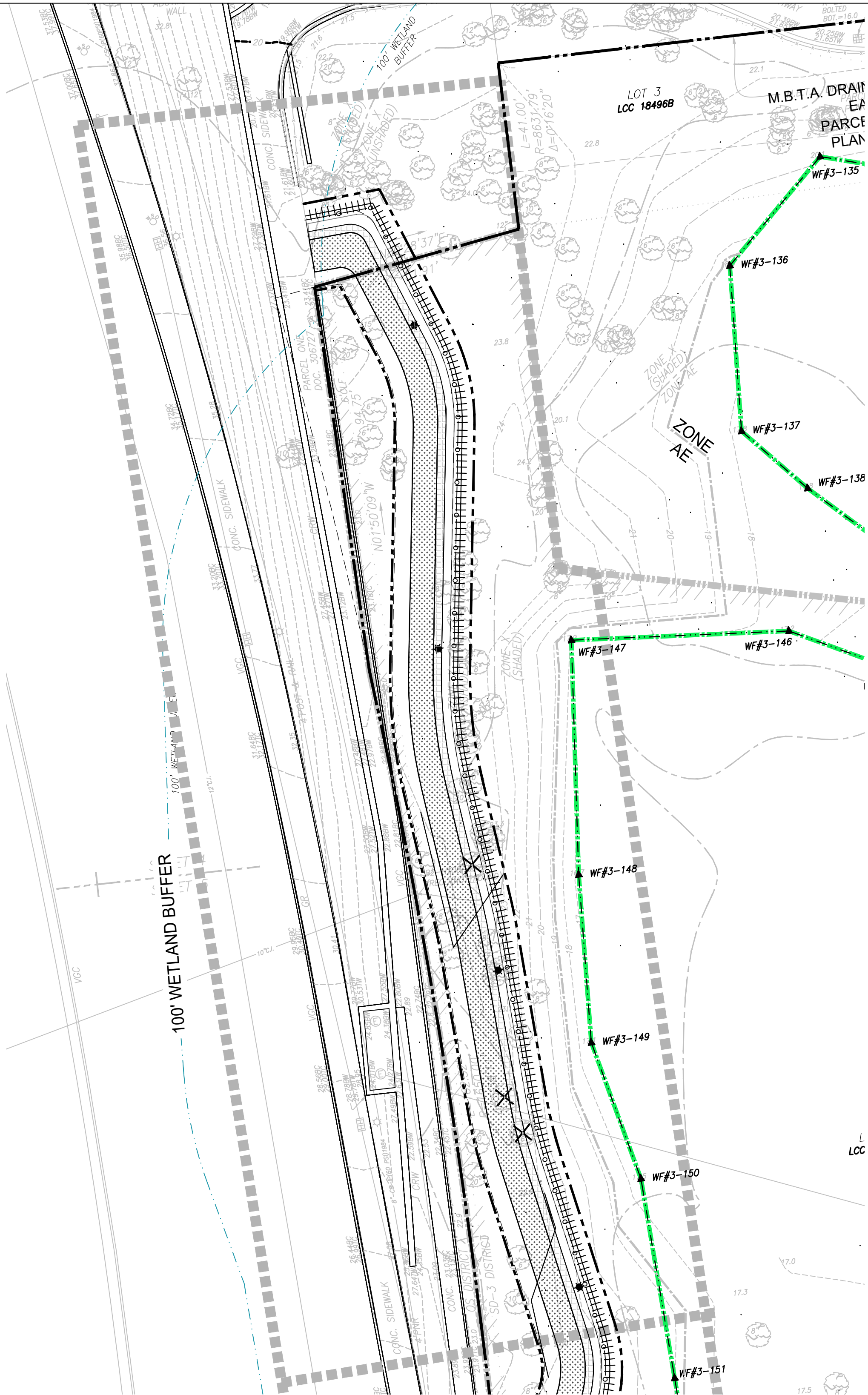












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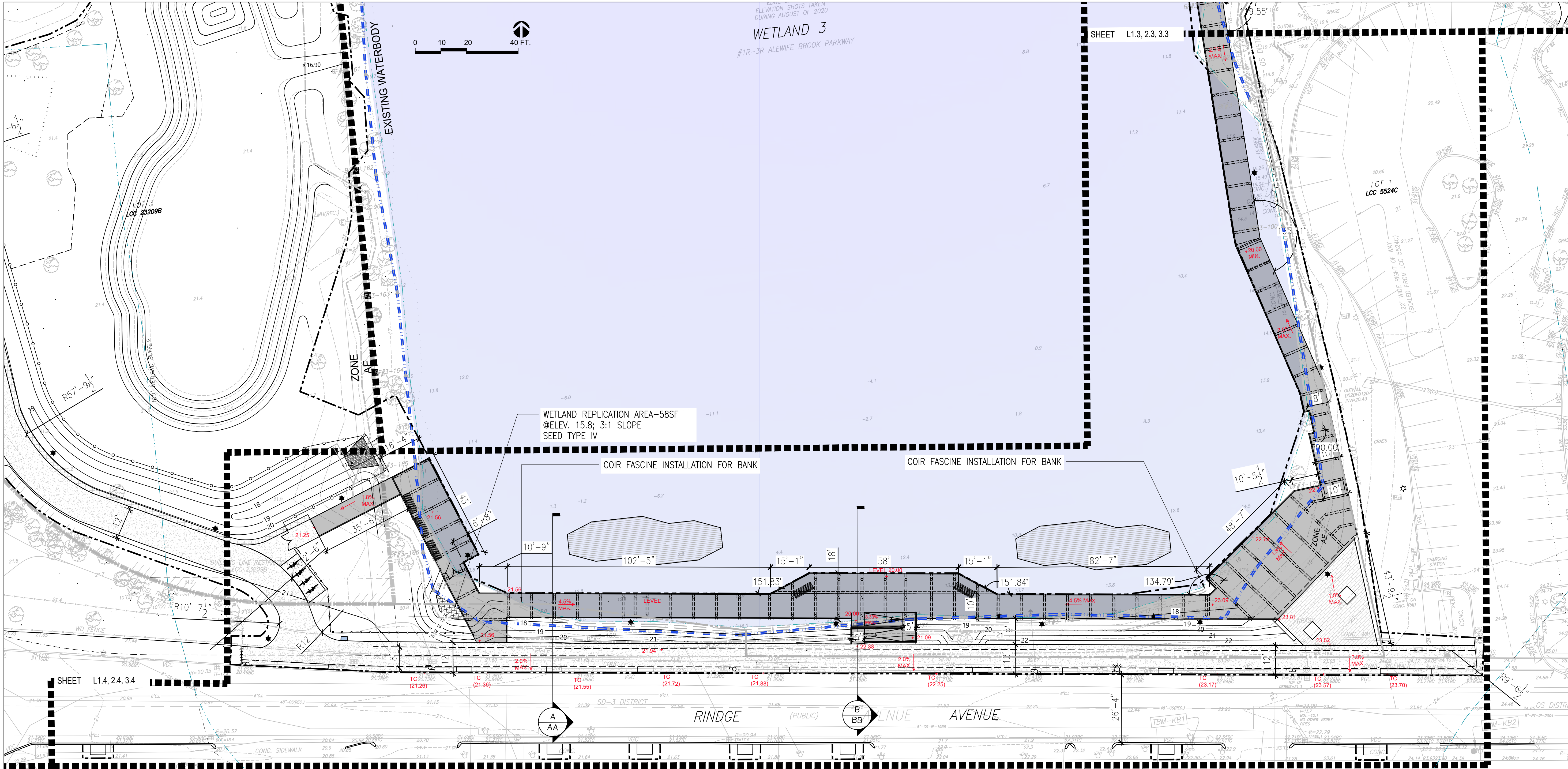
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Job Number:  
Project: JERRY'S POND  
Drawn By: DDD      Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:  
ALEWIFE BROOK PARKWAY  
PLANTING PLAN

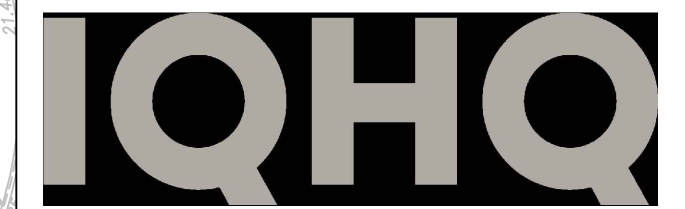
L2.4A





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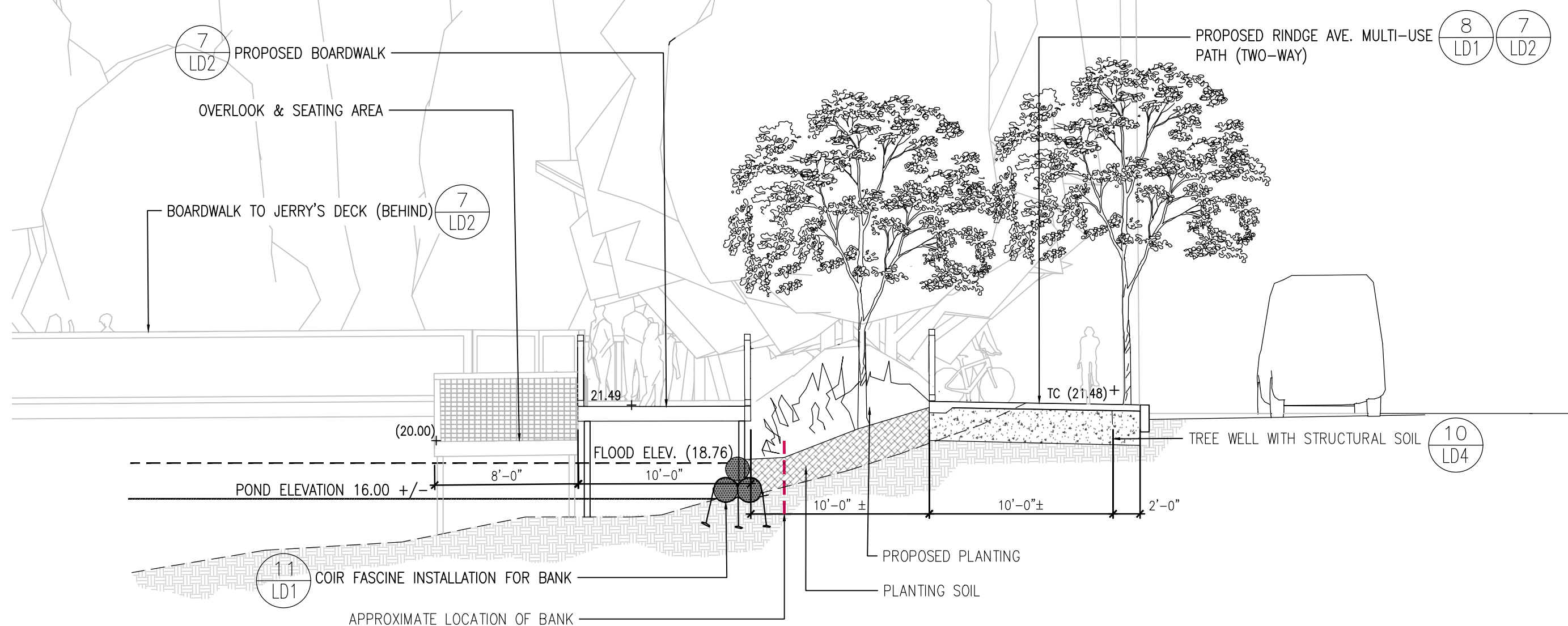
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FLOODPLAIN OVERLAY SPECIAL PERMIT

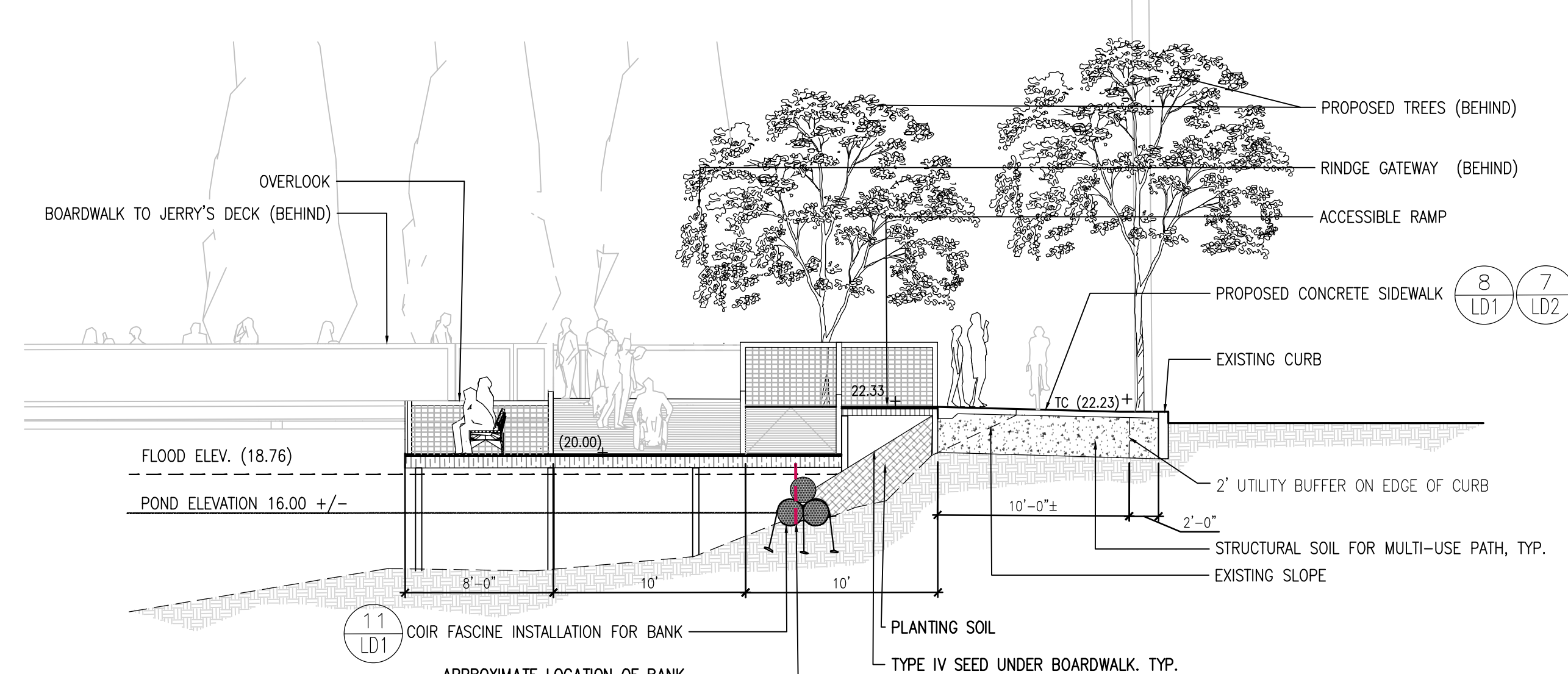
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Project: JERRY'S POND  
Drawn By: DDD Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:

RINDGE AVENUE GRADING & LAYOUT

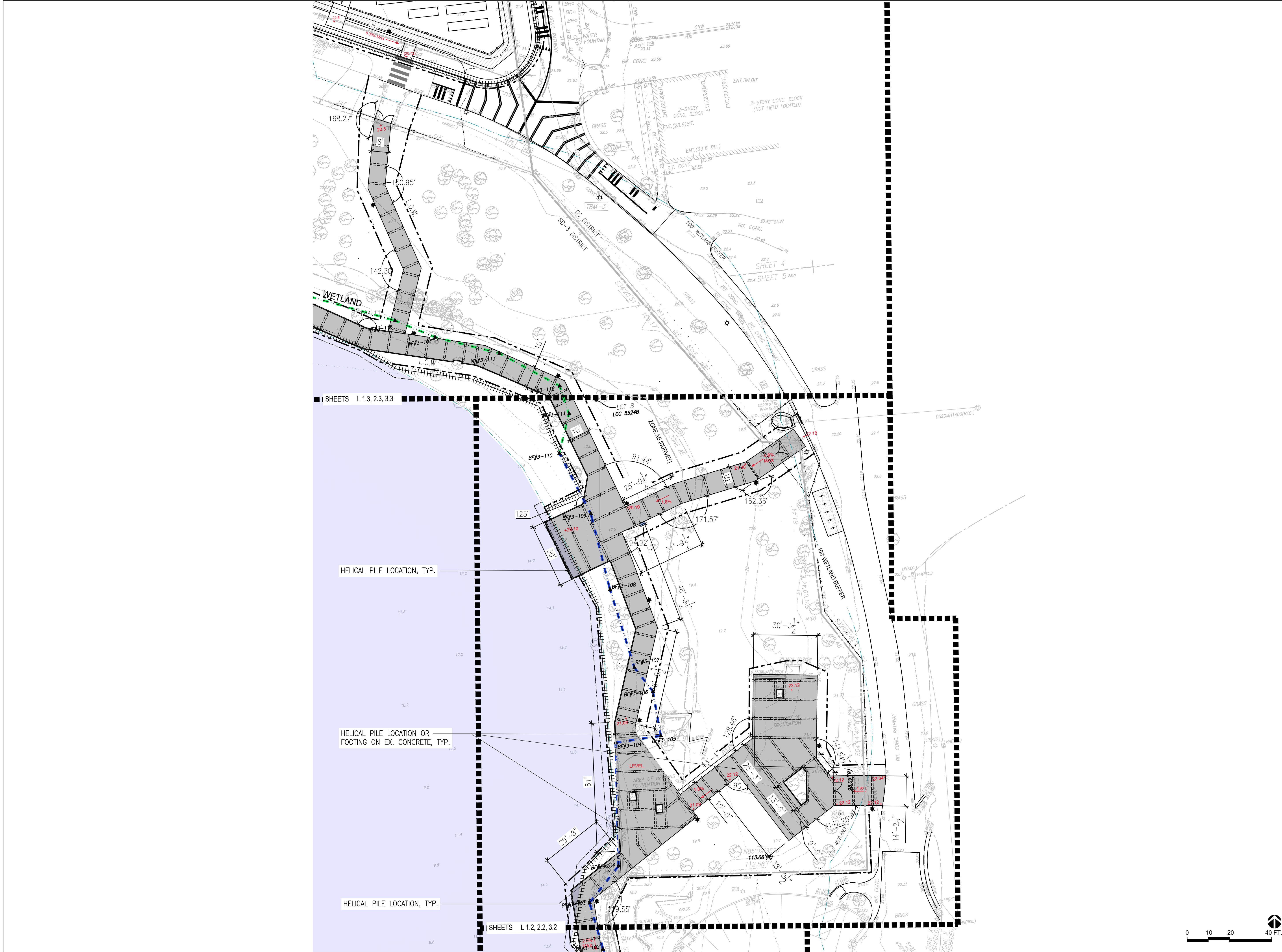
01 A-AA' SECTION



02 B-BB' SECTION







JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

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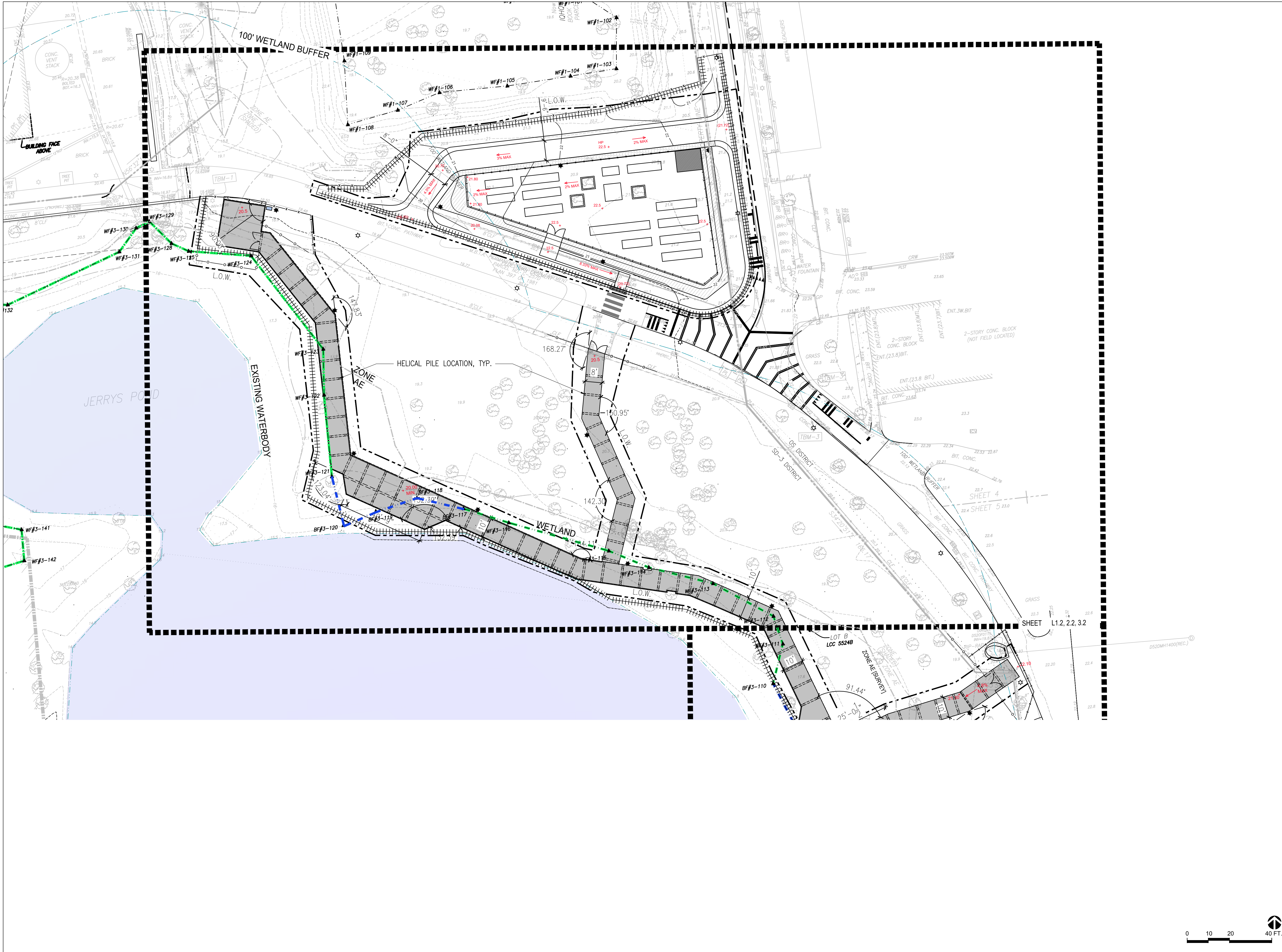
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FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:  
Project: JERRY'S POND  
Drawn By: DDD Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:  
JERRY'S DECK GRADING  
& LAYOUT PLAN

L3.2





JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



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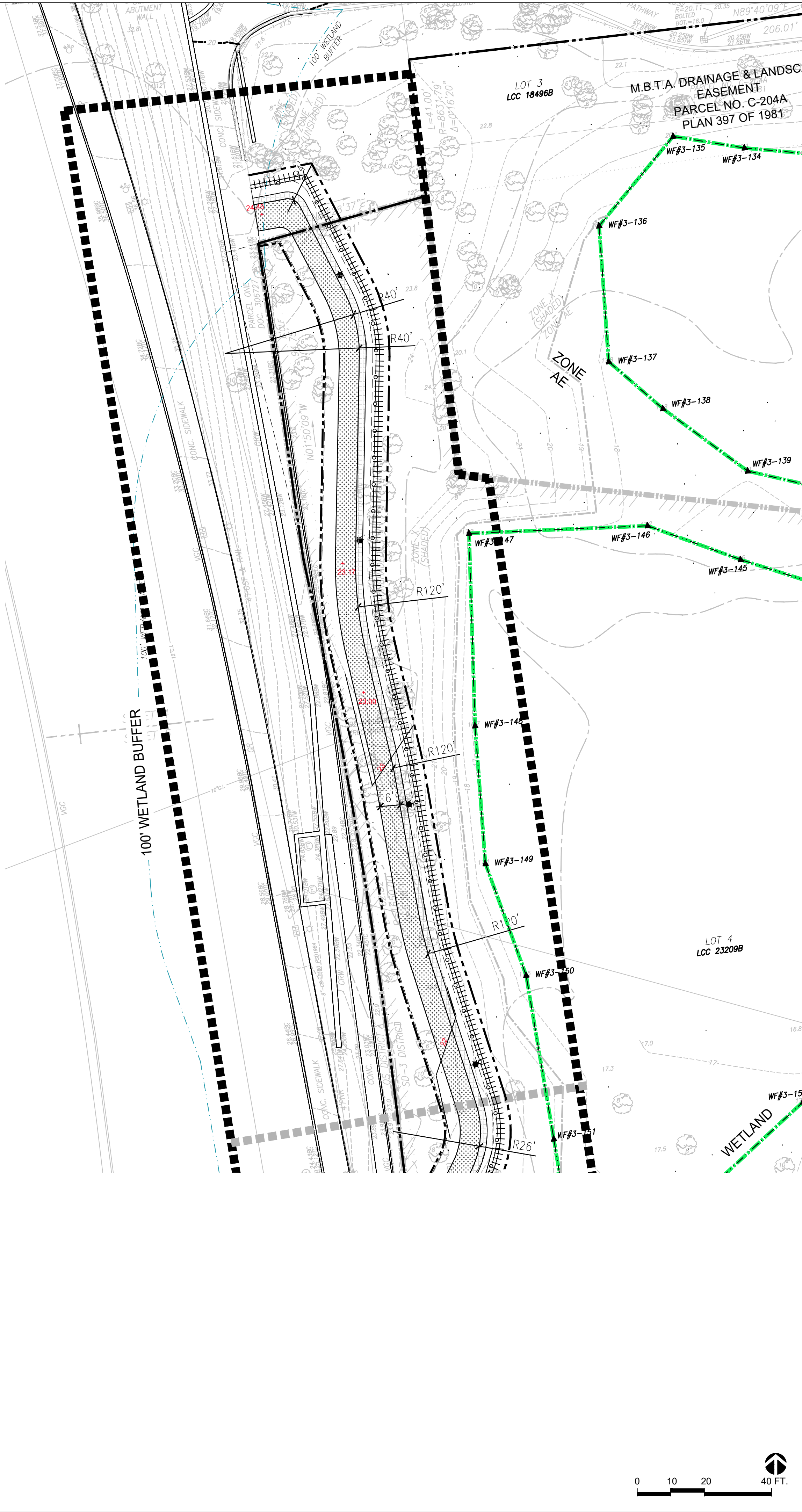
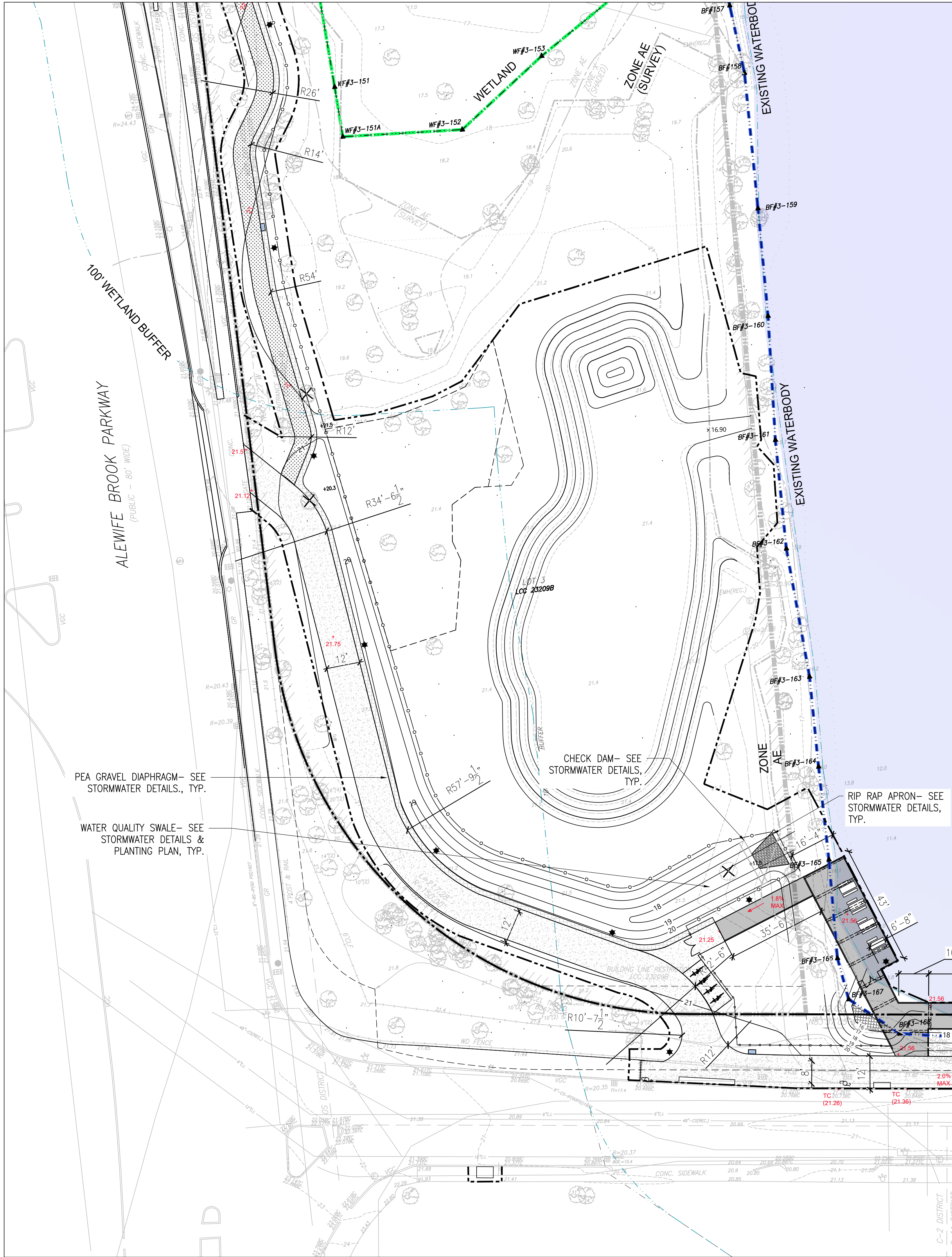
FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:  
Project: JERRY'S POND  
Drawn By: DDD      Checked By: KZ  
Date: AUGUST 12, 2024  
Scale: 1"=20'-0"  
Drawing Title:  
COMMUNAL GARDEN GRADING  
& LAYOUT PLAN



L3.3





JERRY'S POND

CAMBRIDGE, MASSACHUSETTS


PREPARED FOR:

IQHQ

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FLOODPLAIN OVERLAY SPECIAL PERMIT

Job Number:

Project: JERRY'S POND

Drawn By: DDD

Checked By: KZ

Date: AUGUST 12, 2024

Scale: 1"=20'-0"

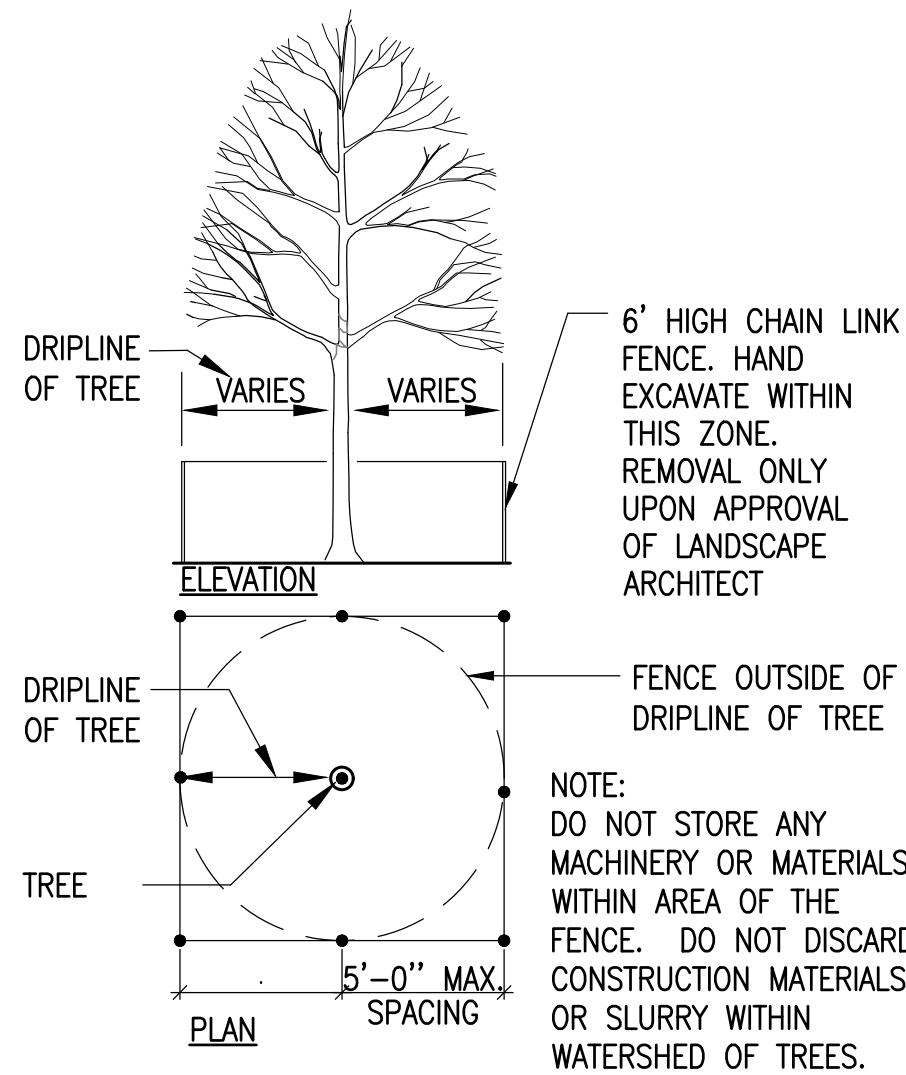
Drawing Title:  
ALEWIFE PARKWAY GRADING  
& LAYOUT PLAN

0102040

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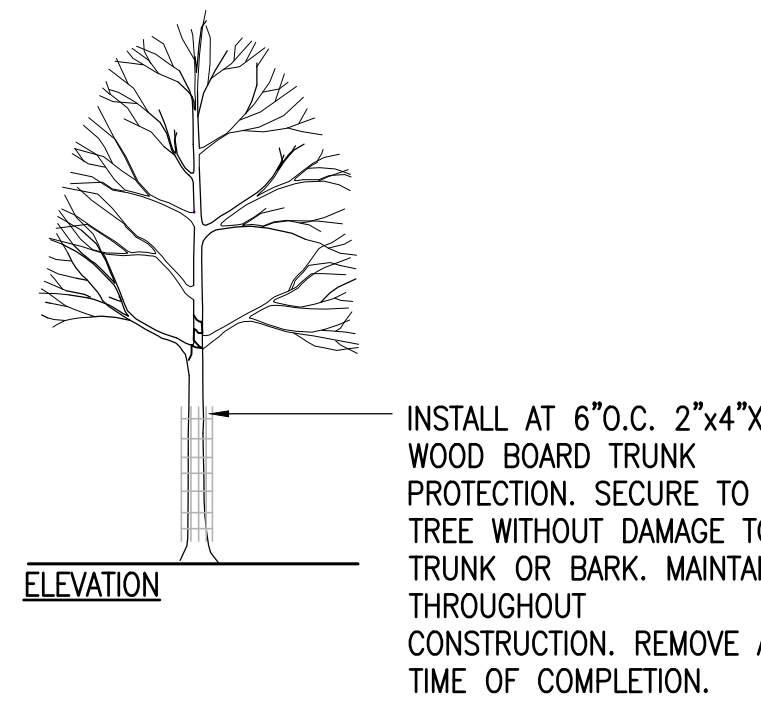
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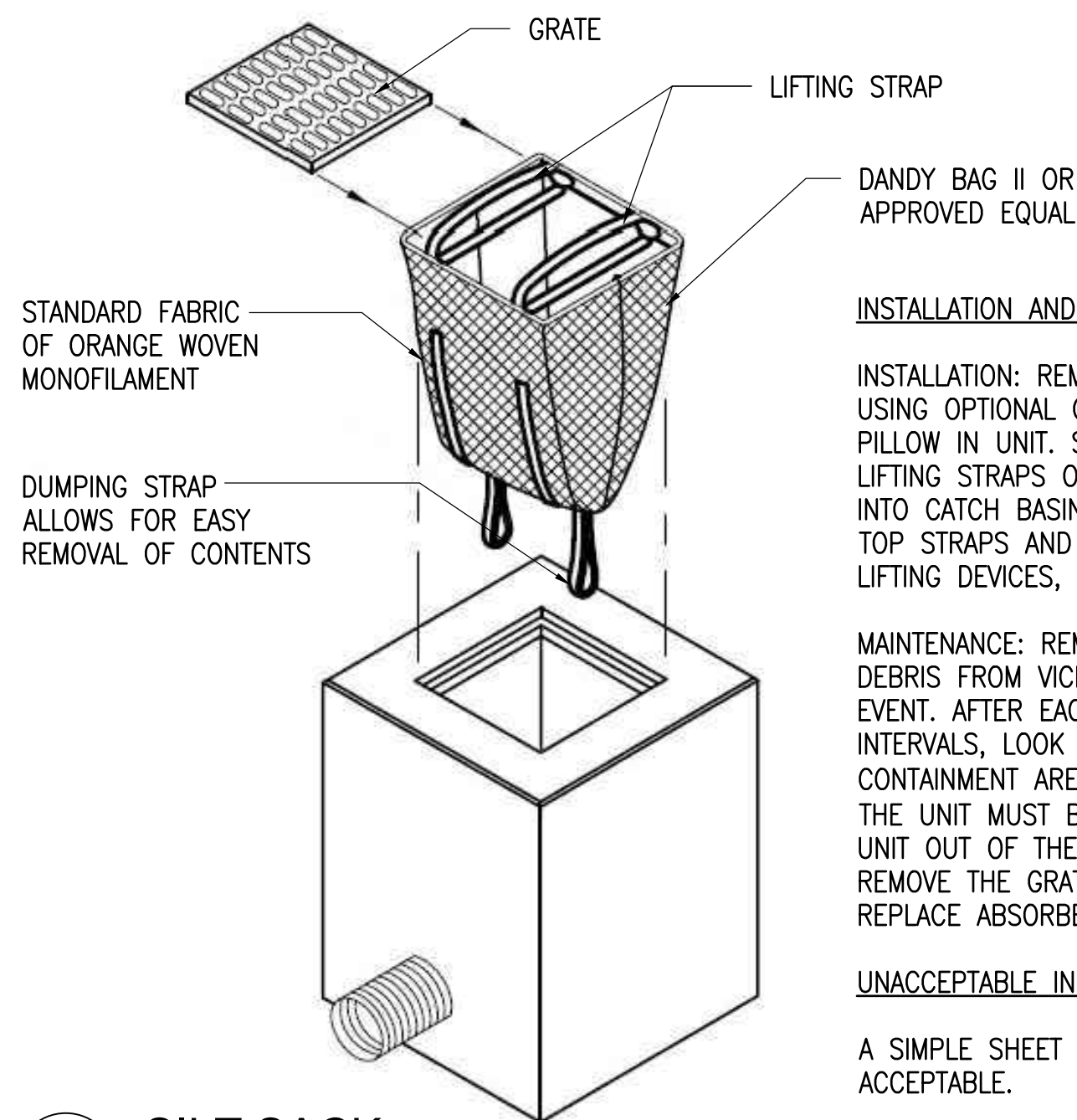
### TREE PROTECTION - FENCE

SCALE: N.T.S.



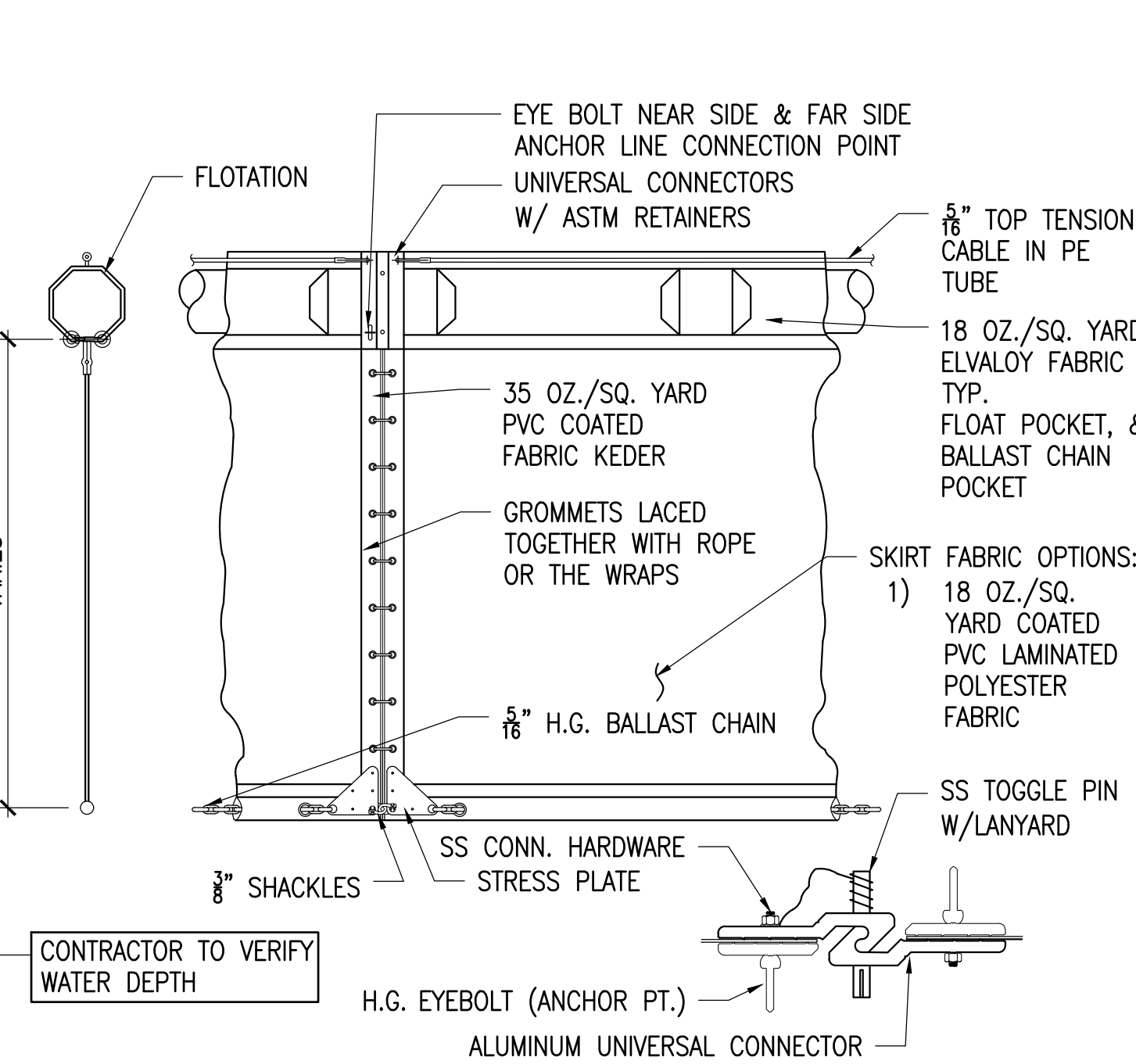
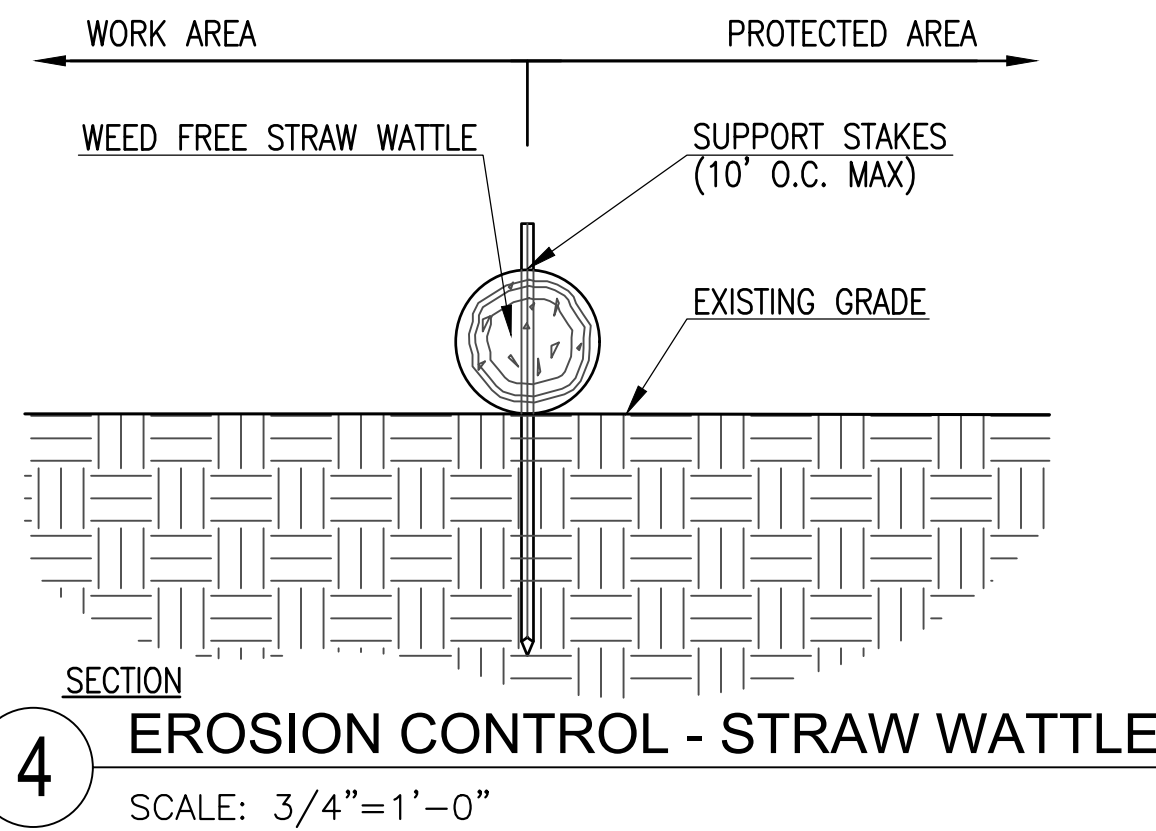
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SCALE: N.T.S.



### SILT SACK

SCALE: N.T.S.

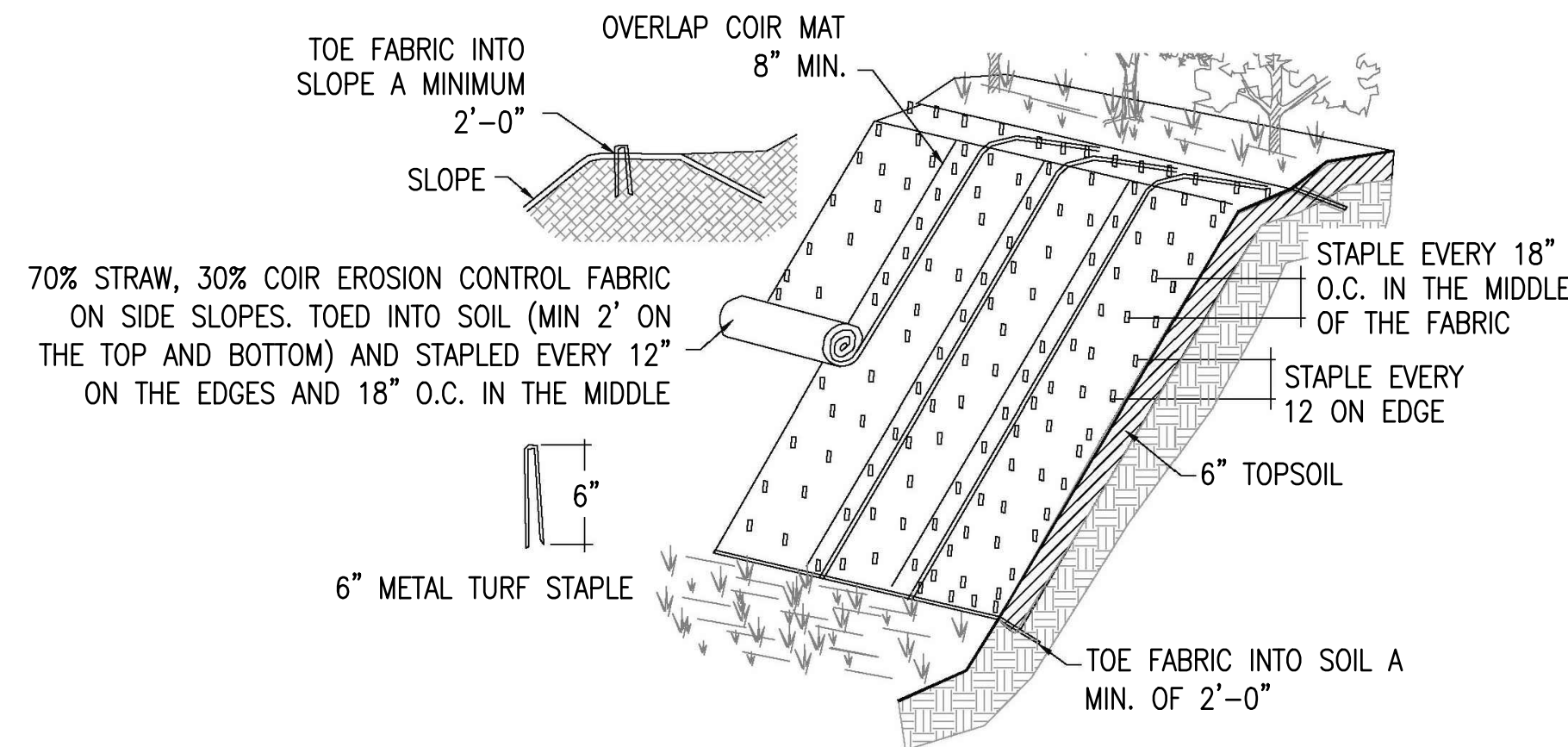


### TURBIDITY CURTAIN

SCALE: 1\"/>

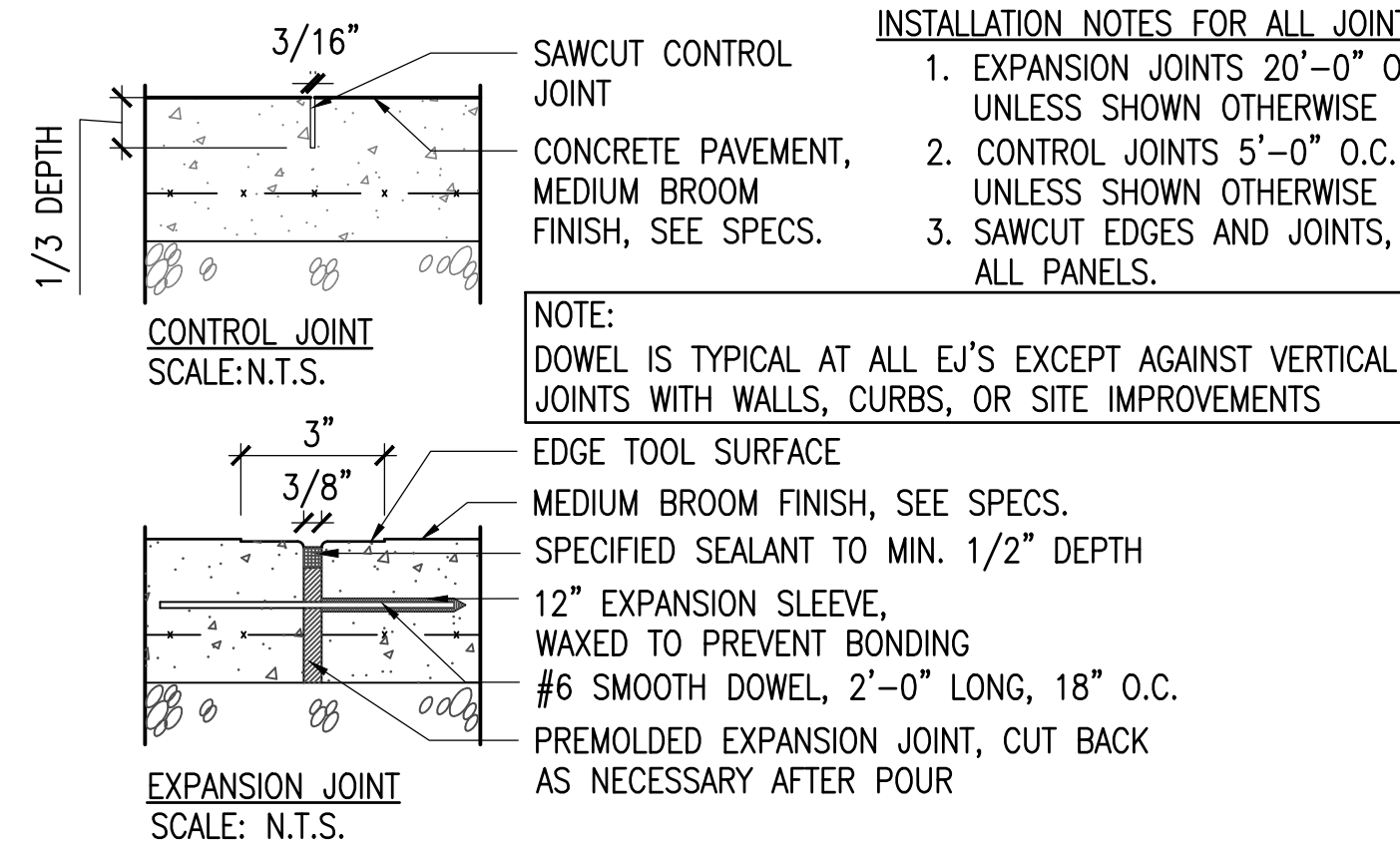
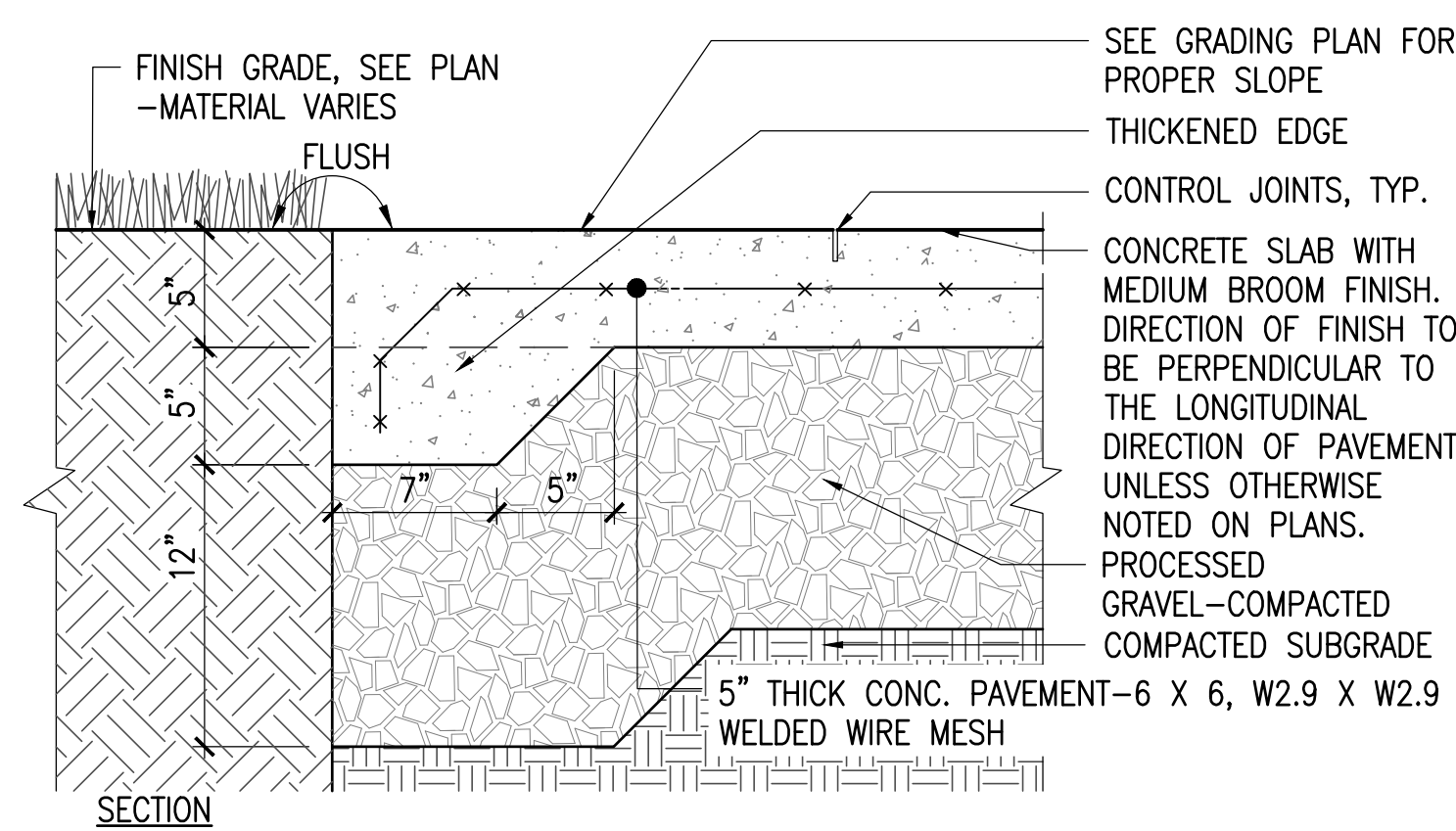
#### EROSION CONTROL FABRIC NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS AND GRASS TO ENSURE THAT THE EROSION CONTROL FABRIC WILL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING EROSION CONTROL FABRIC.
3. LAY FABRIC LOOSELY AND STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. STAPLE FABRIC WITH 6\"/>
5. THE EROSION CONTROL FABRIC TO BE INSTALLED IN SECTIONS RUNNING FROM THE TOP TO THE BOTTOM OF THE SLOPE, ALONG ALL DISTURBED AREAS WITH A SLOPE OF 3:1 OR STEEPER.
6. EROSION CONTROL FABRIC SHALL USE BIODEGRADABLE (NON-PLASTIC) NETTING.
7. TO BE USED IN ALL AREAS OF SOIL DISTURBANCE ON SLOPES ADJACENT TO THE POND WITH A SLOPE OF 3:1 OR STEEPER.
8. FLAT SURFACES SHALL RECEIVE STRAW MULCH APPLIED TO THE GROUND SURFACE AT A RATE OF 2,500 LBS/ACRE.
9. IN THE EVENT THAT THE PROPOSED PLANTS DO NOT ESTABLISH ON UPLAND AREAS OF THE BOARDWALK, A NON-BIODEGRADABLE EROSION CONTROL BLANKET SHALL BE INSTALLED. THE TURF REINFORCEMENT MAT SHALL BE 100% POLYPROPYLENE FIBER, HEAVYWEIGHT POLYPROPYLENE NETS, AND UV-STABLE THREADS.



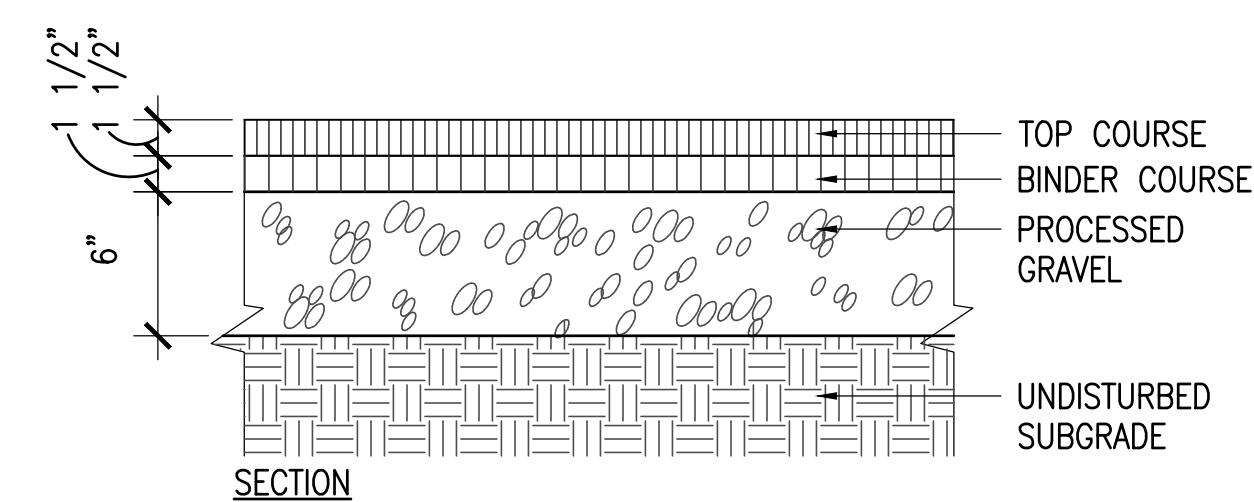
### EROSION CONTROL MATTING

SCALE: N.T.S.



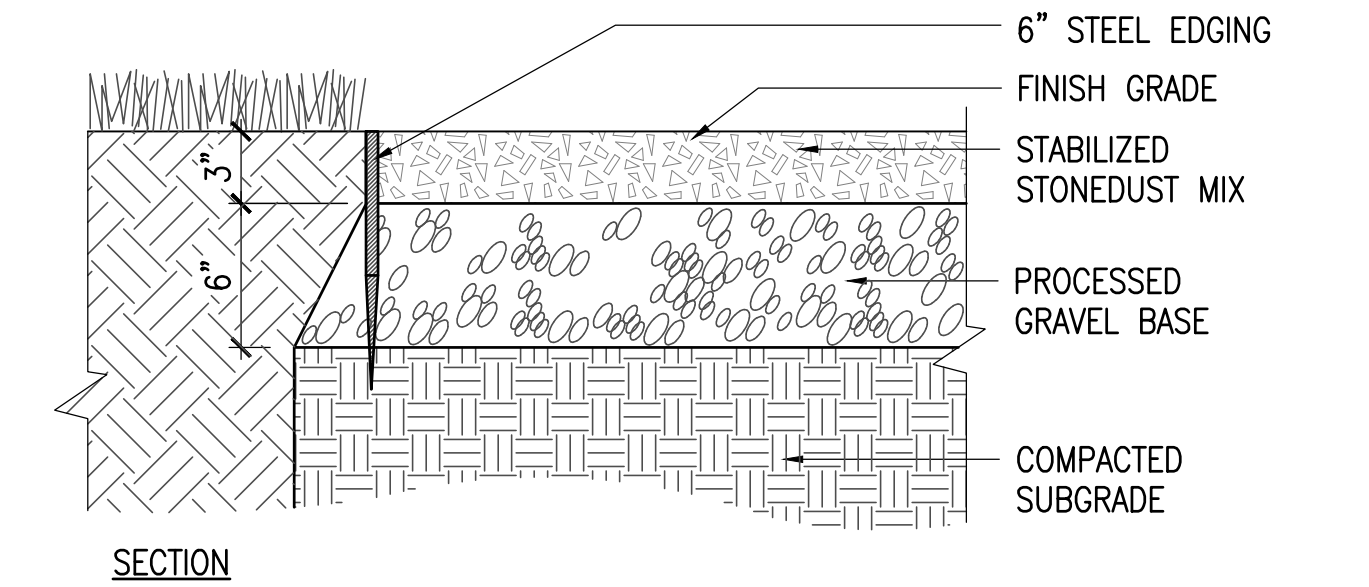
### CONCRETE PAVEMENT

SCALE: 1-1/2\"/>



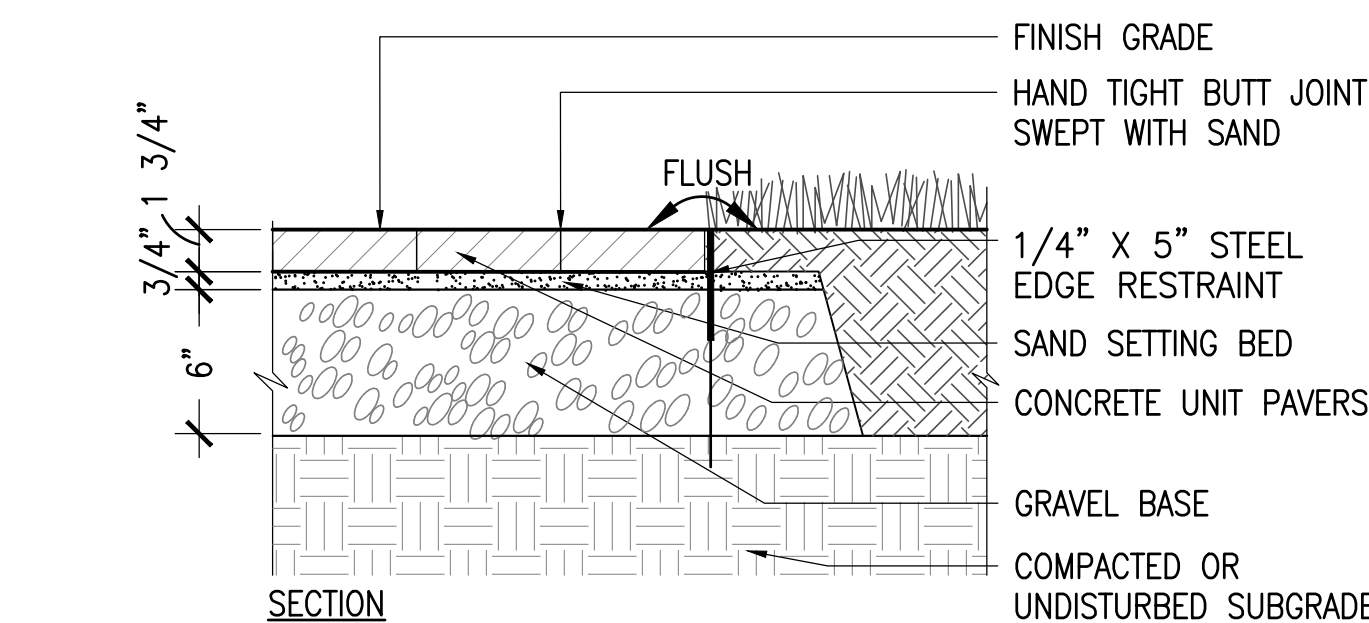
### BITUMINOUS CONCRETE PAVEMENT - PEDESTRIAN

SCALE: 1-1/2\"/>



### STABILIZED STONEDUST W/ STEEL EDGING

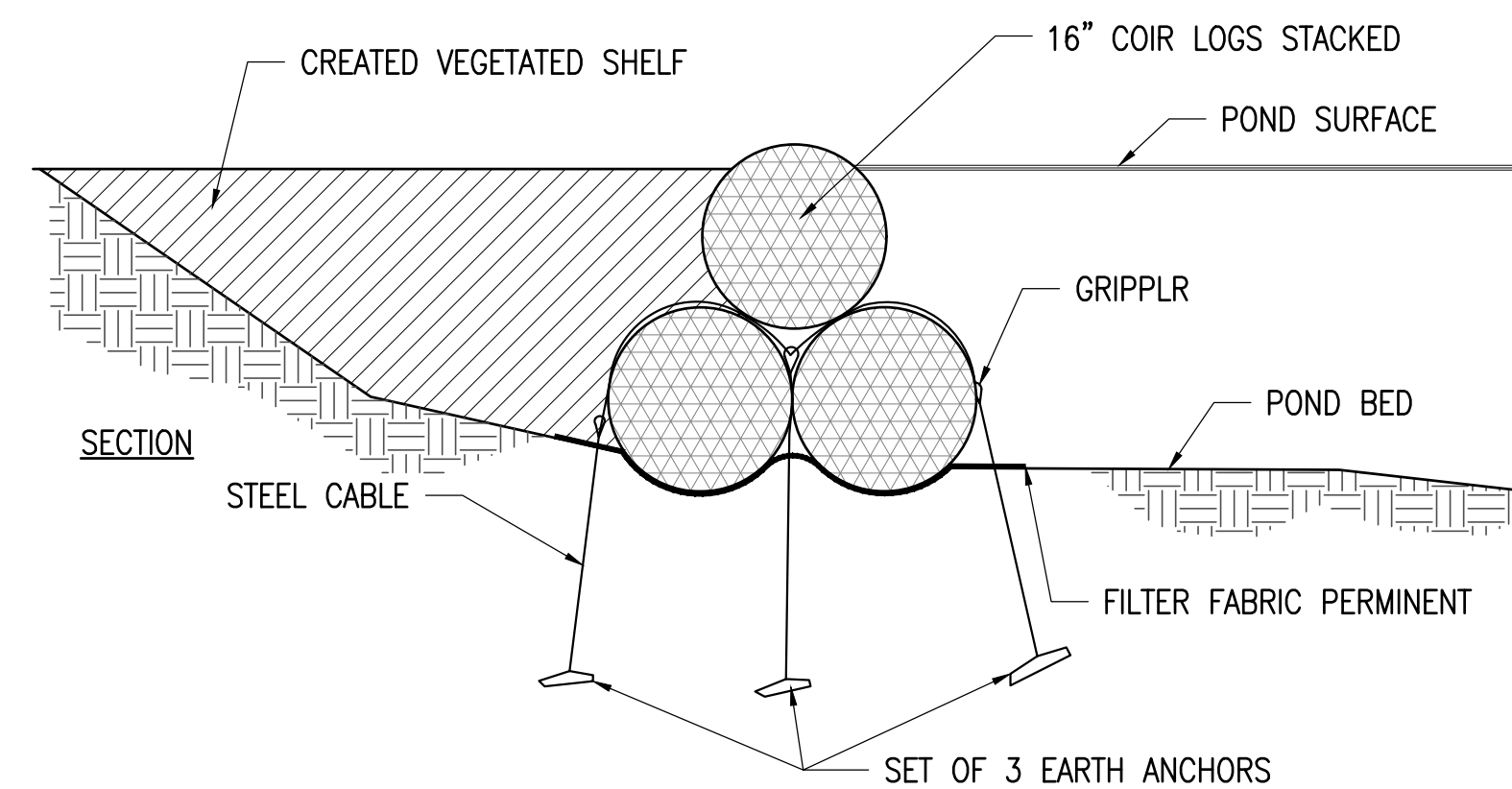
SCALE: 1-1/2\"/>



### CONCRETE UNIT PAVER W/ STEEL EDGING

SCALE: 1-1/2\"/>

- NOTES:
1. 2 BOTTOM LOGS SHARE 1 GRIPPLER.
  2. TOP LOG WILL REQUIRE ITS OWN GRIPPLER.
  3. ALL GRIPPLING SHOULD BE COMPLETED SIMULTANEOUSLY TO ENSURE EACH ROW IS STABLE.



### COIR FASCINE INSTALLATION FOR BANK

SCALE: N.T.S.

## JERRY'S POND

CAMBRIDGE, MASSACHUSETTS

### PREPARED FOR:



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2 CENTENNIAL DRIVE  
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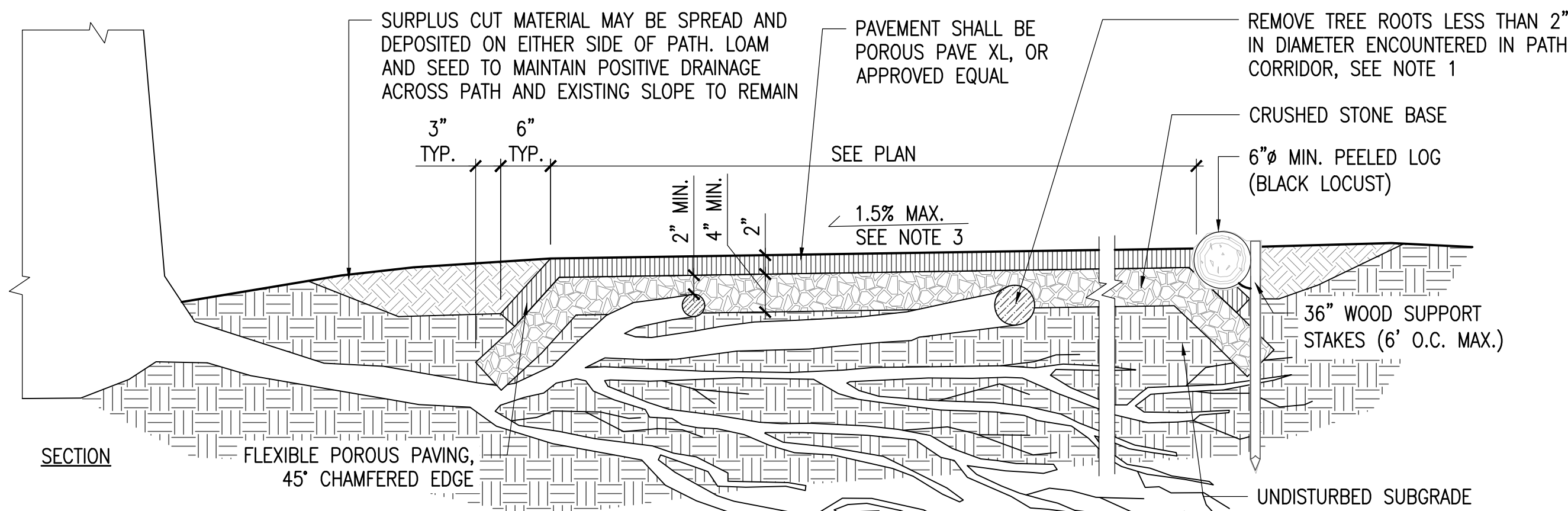
### STORMWATER CONTROL PERMIT

Job Number:  
Project: JERRY'S POND  
Drawn By: DDD  
Checked By: KZ  
Date: MAY 14, 2024  
Scale: AS SHOWN  
Drawing Title:

DETAILS

LD1

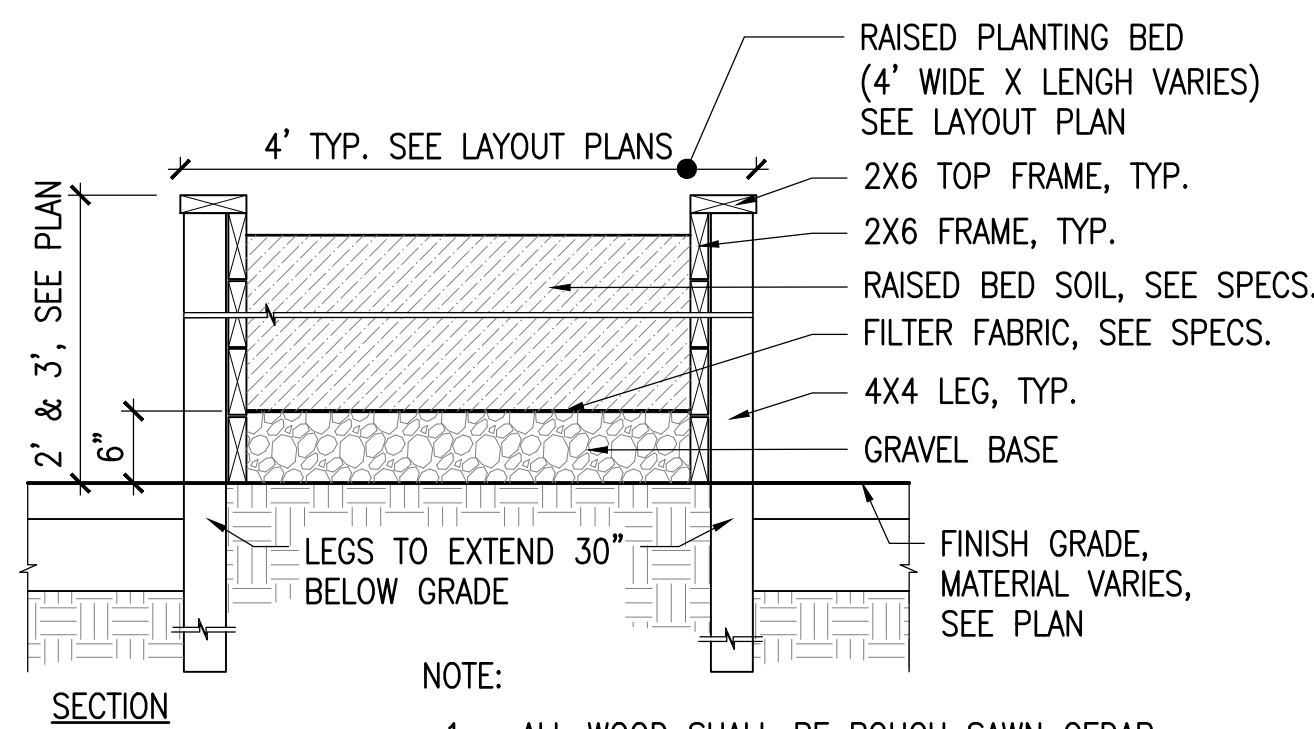




- NOTE:
1. TO PREVENT INJURY TO CRITICAL ROOT ZONES OF ADJACENT TREES, SOIL IS TO BE EXCAVATED NON-INVASIVELY A MINIMUM OF 6 INCHES USING SUPERSONIC AIR KNIFE. FABRIC AND STONE ARE TO BE INSTALLED OVER AND AROUND ROOTS. SUBGRADE SHALL BE COMPACTED TO THE GREATEST EXTENT POSSIBLE. ROOT PRUNING MAY BE PERFORMED BY ARBORIST AS NEEDED ON SELECTED ROOTS LESS THAN 2 INCHES IN DIAMETER PROVIDED NO MORE THAN 15% OF THE CRITICAL ROOT ZONE IS REMOVED.
  2. WHEREVER POSSIBLE, AND WITHOUT INJURING CRITICAL ROOT ZONES OF ADJACENT TREES. CRUSHED STONE BASE SHALL RUN 6 INCHES BEYOND THE END OF THE FLEXIBLE POROUS PAVING. AT LEAST 2" OF STONE SHALL COVER THE TOP OF ROOTS BEFORE FLEXIBLE POROUS MATERIAL IS LAID.
  3. WALKWAY SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN ONE AND A HALF (1.5%) PERCENT. ANY DISCREPANCY NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.

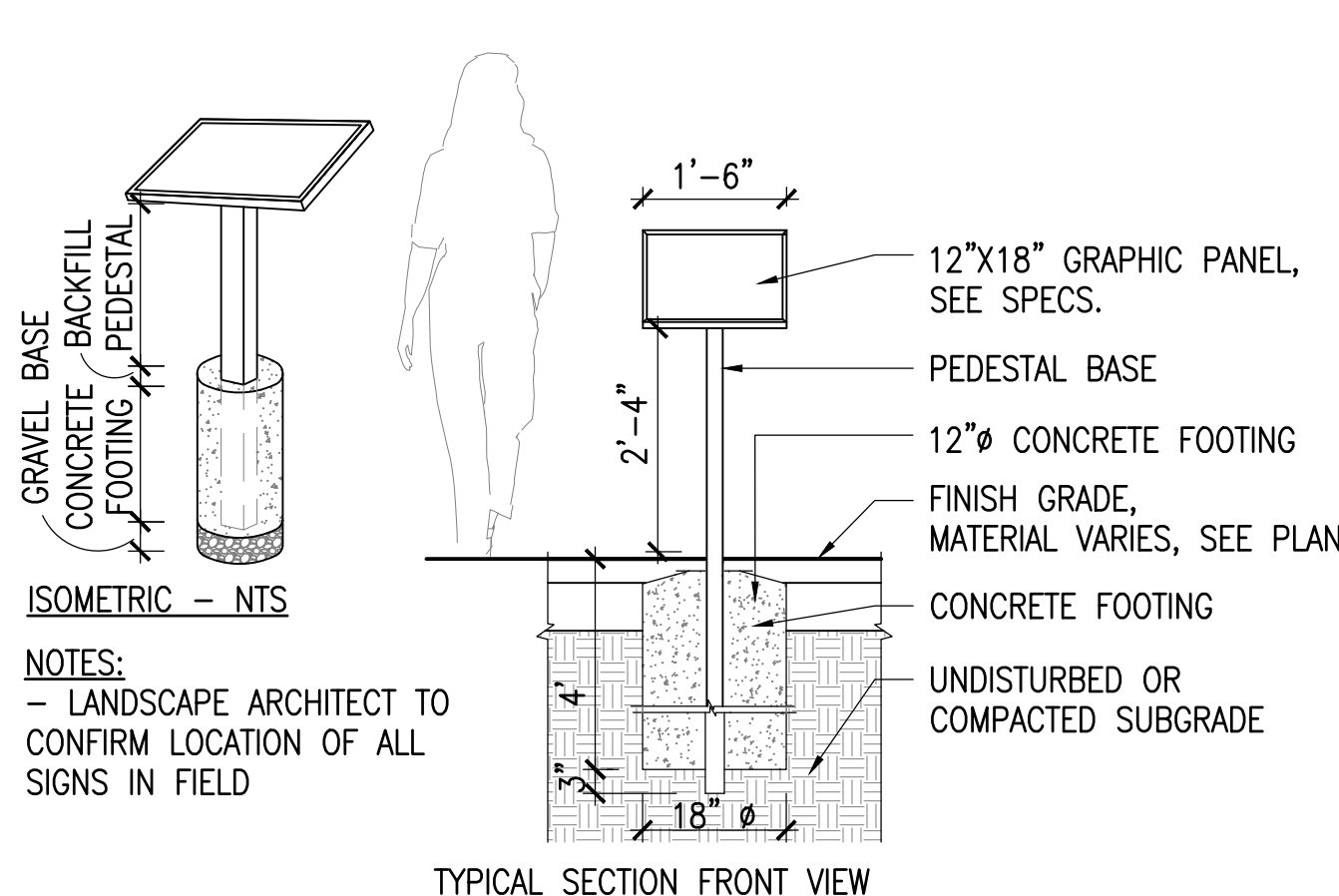
## 1 FLEXIBLE POROUS PAVEMENT

SCALE: 1"=1'-0"



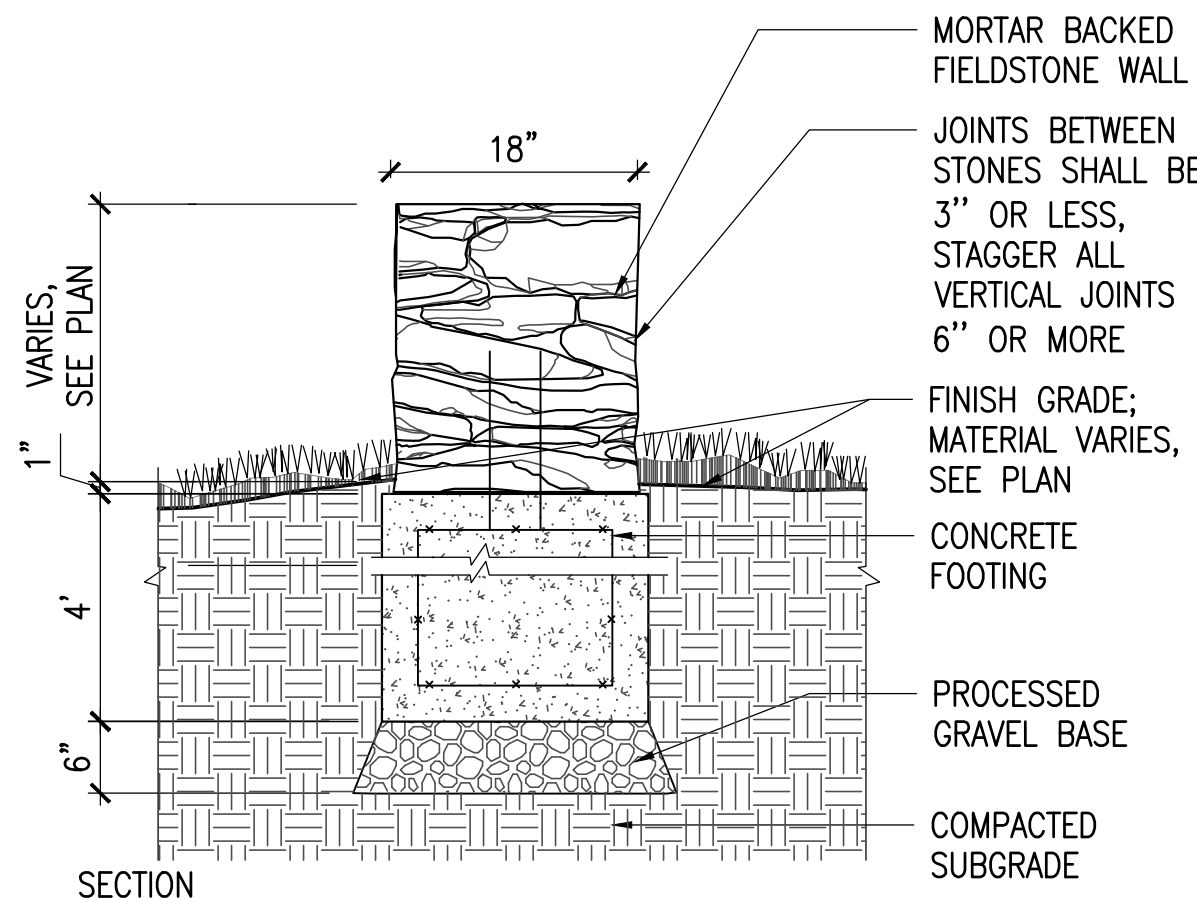
## 2 RAISED PLANTING BED

SCALE: 3/4"=1'-0"



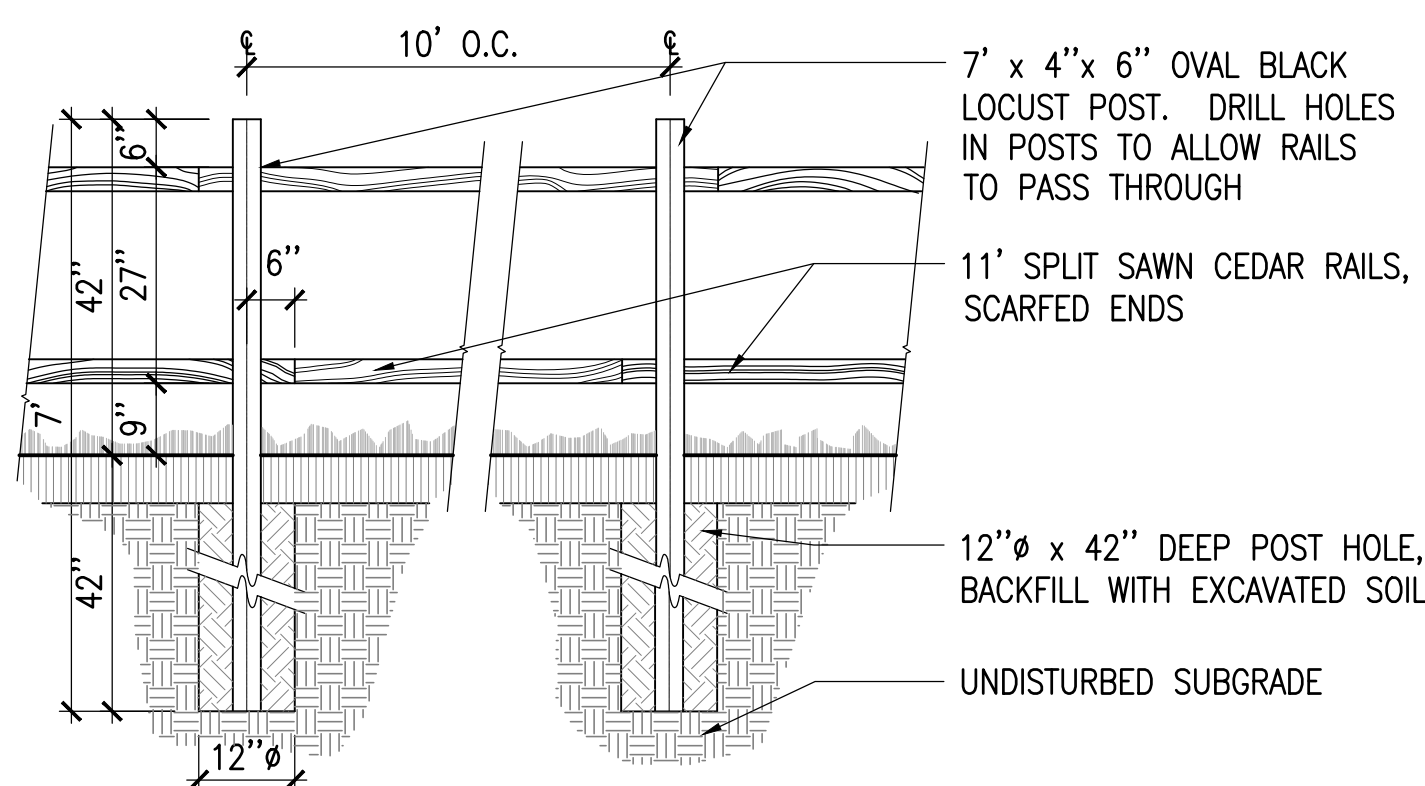
## 3 INTERPRETIVE SIGN

SCALE: 1/2"=1'-0"



## 4 FIELDSTONE WALL

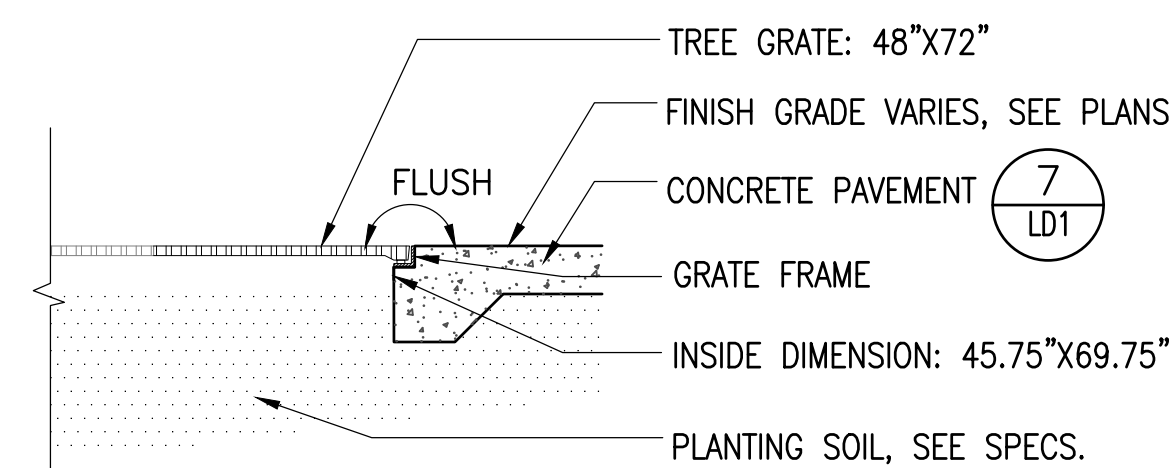
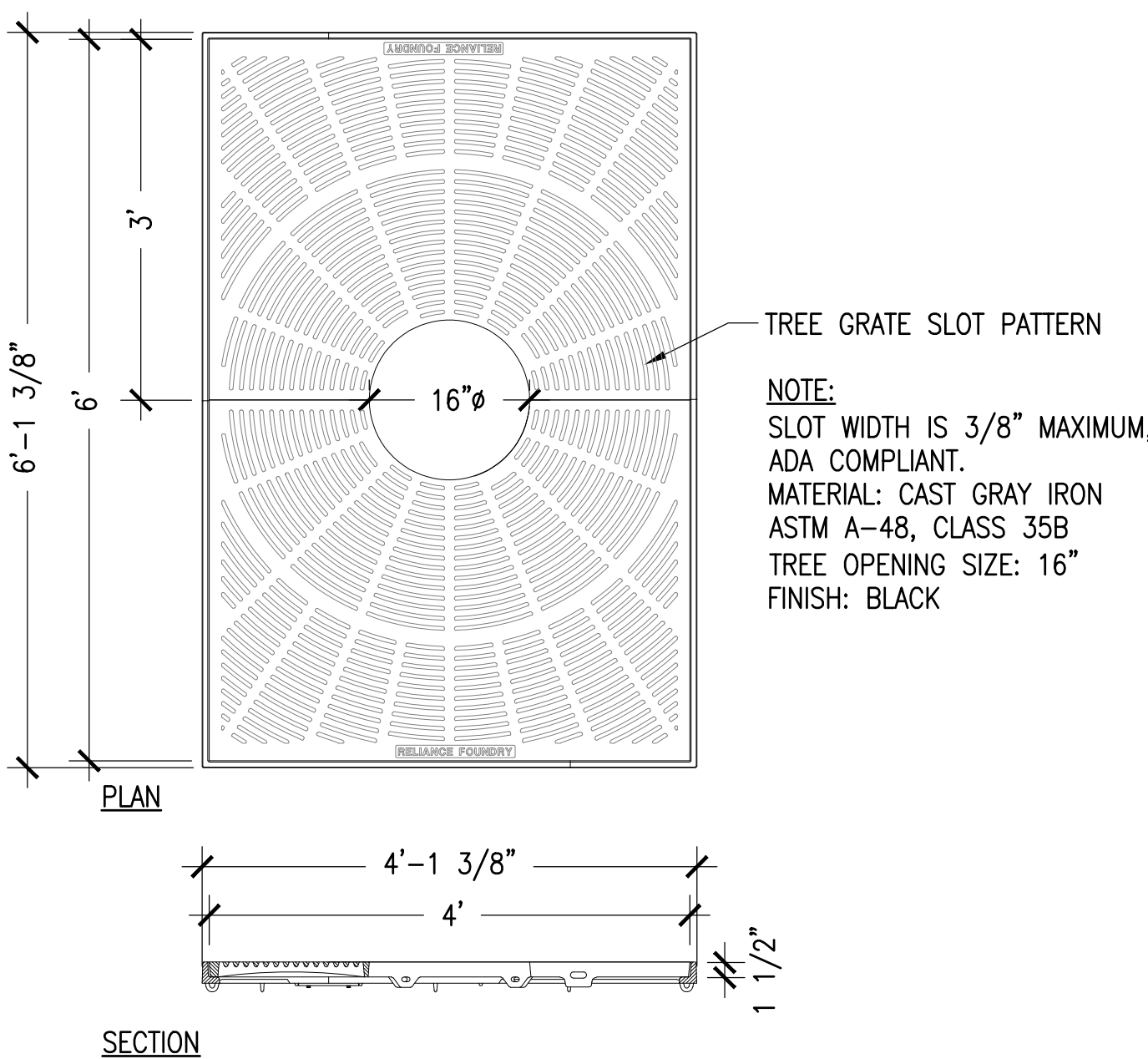
SCALE: 3/4"=1'-0"



SECTION ELEVATION-FENCE TYPE-A

## 5 SPLIT RAIL FENCE-TYPE A&B

SCALE: 1/2"=1'-0"

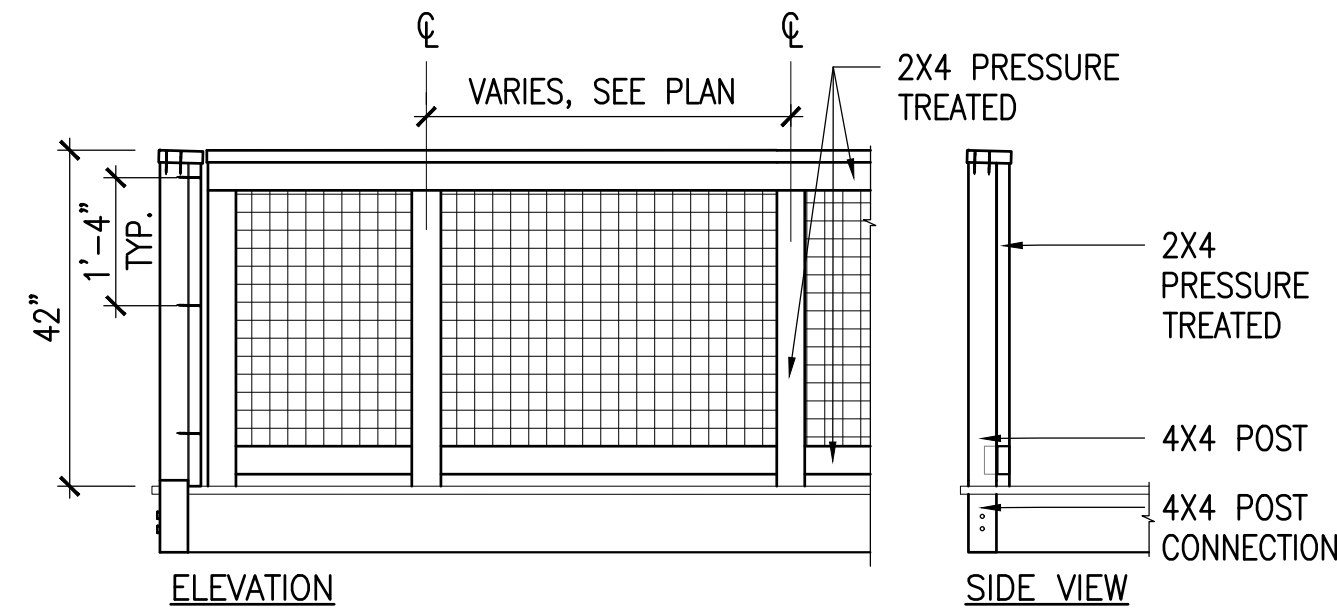


FRAME INSTALLATION

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

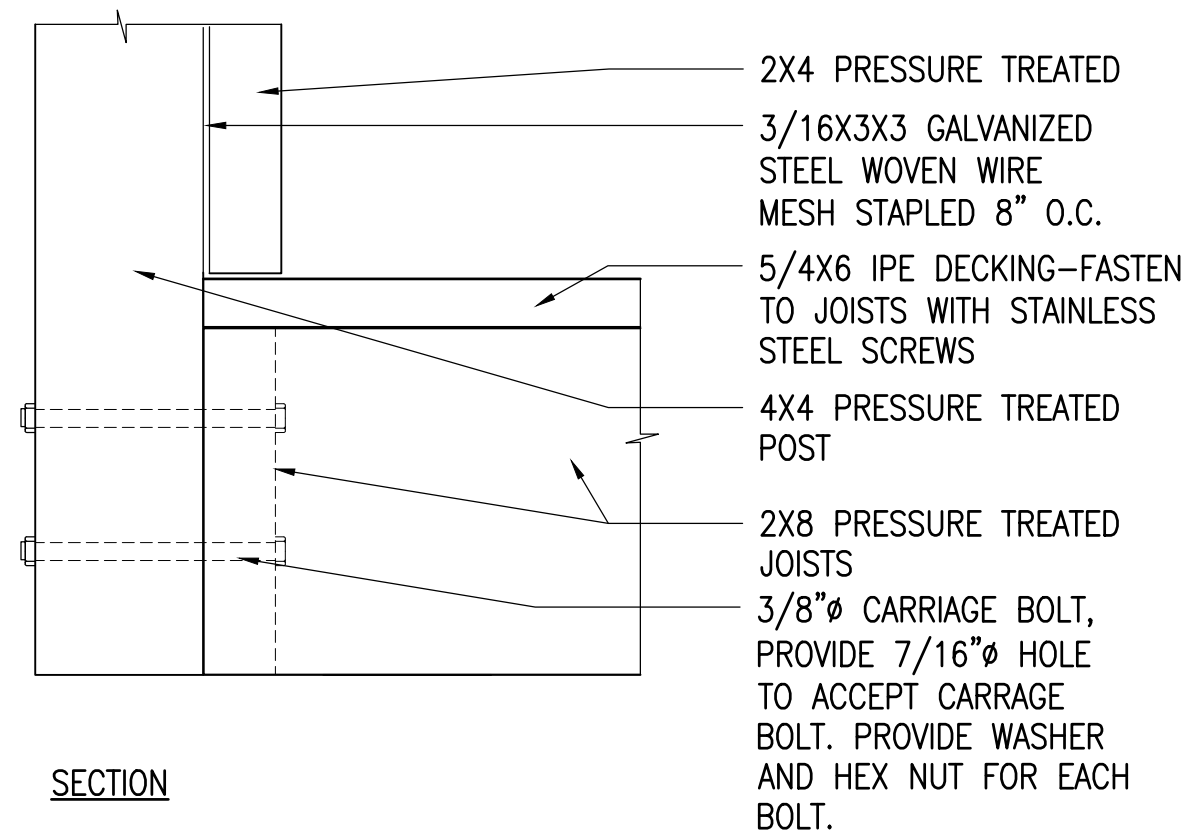
## 6 TREE GRATE

SCALE: 3/4"=1'-0"



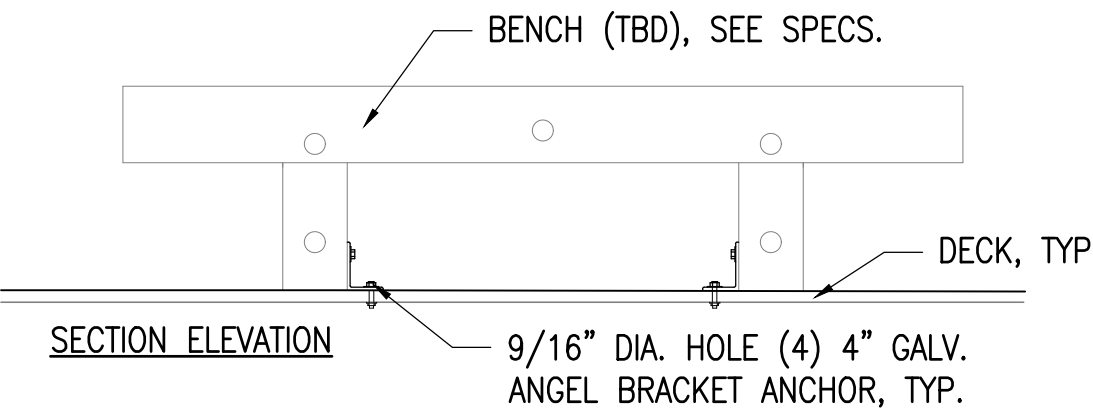
## 7 DECK RAILING

SCALE: 3"=1'-0"



## 8 POST ATTACHMENT

SCALE: 3"=1'-0"



## 9 BENCH CONNECTION TO DECK

SCALE: 3/4"=1'-0"

## JERRY'S POND

CAMBRIDGE, MASSACHUSETTS

## PREPARED FOR:



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## STORMWATER CONTROL PERMIT

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Checked By:	KZ
Date:	MAY 14, 2024
Scale:	AS SHOWN
Drawing Title:	

DETAILS

LD2



CAMBRIDGE, MASSACHUSETTS

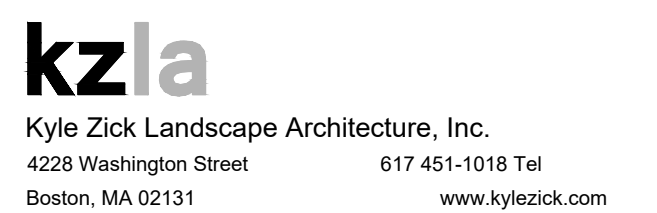
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STORMWATER CONTROL PERMIT

Job Number:

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Drawn By: DDD

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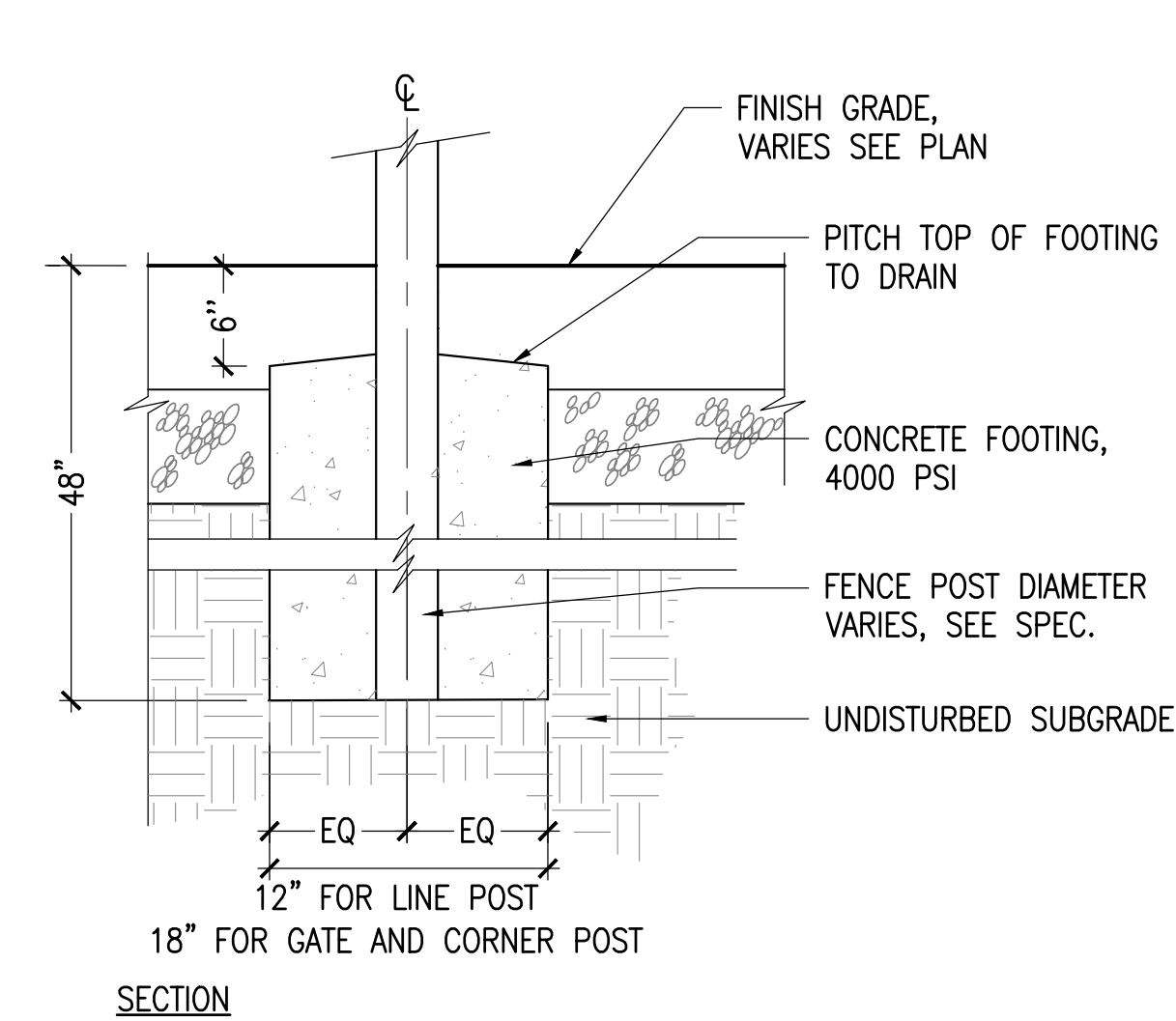
Date: MAY 14, 2024

**Scale:** AS SHOWN

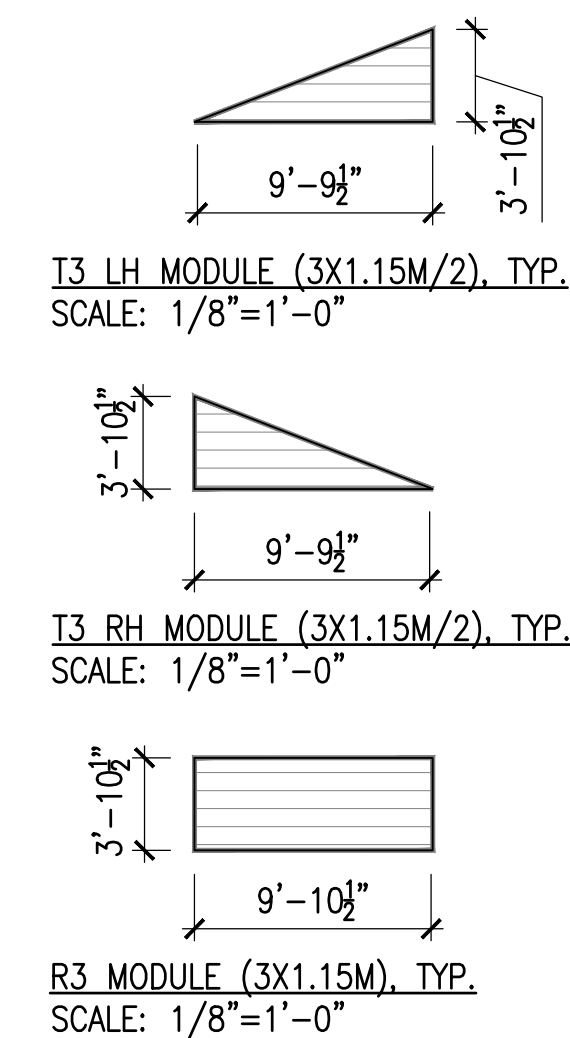
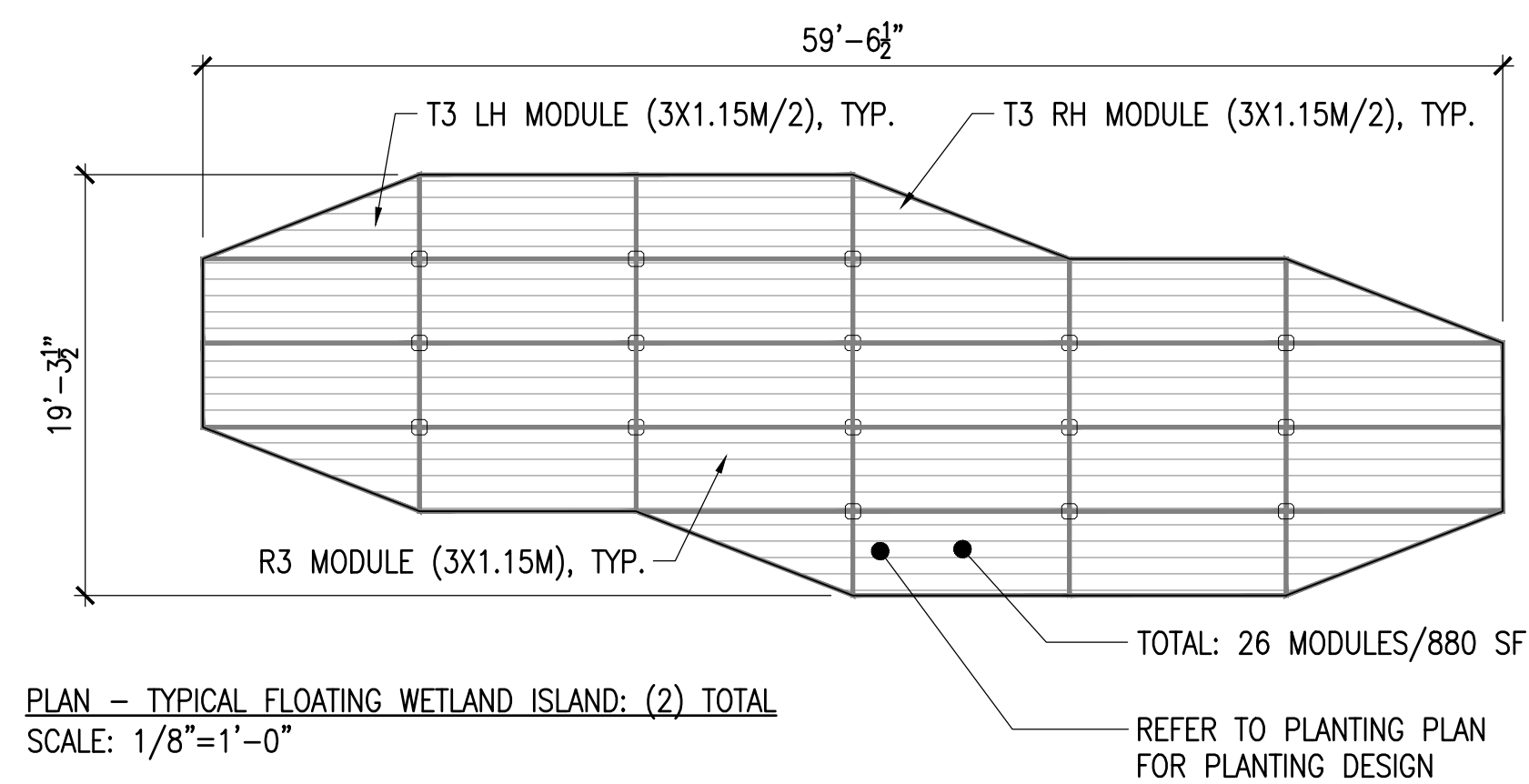
Drawing Title:

## DETAILS

## LD3



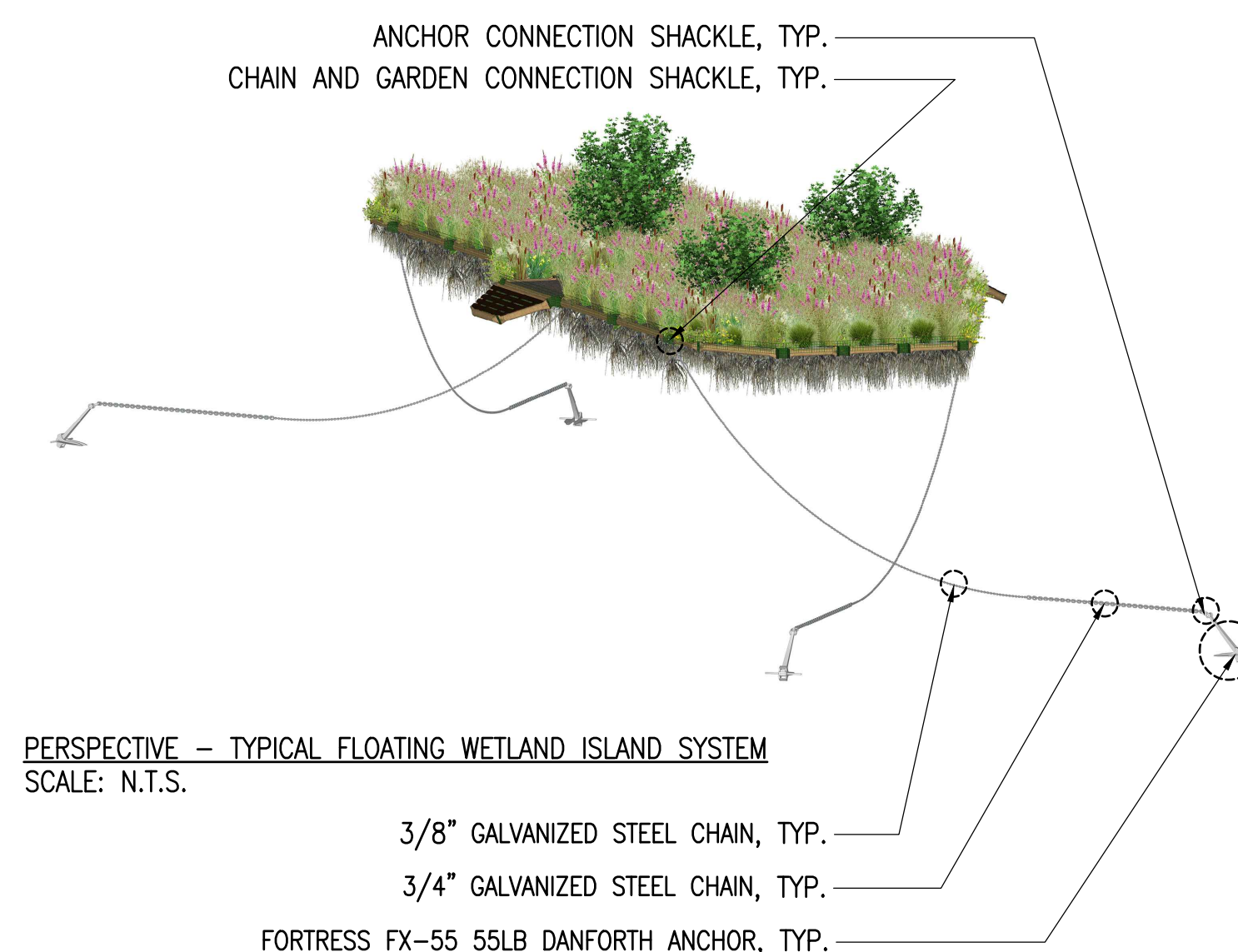
SCALE: 1"=1'-0"



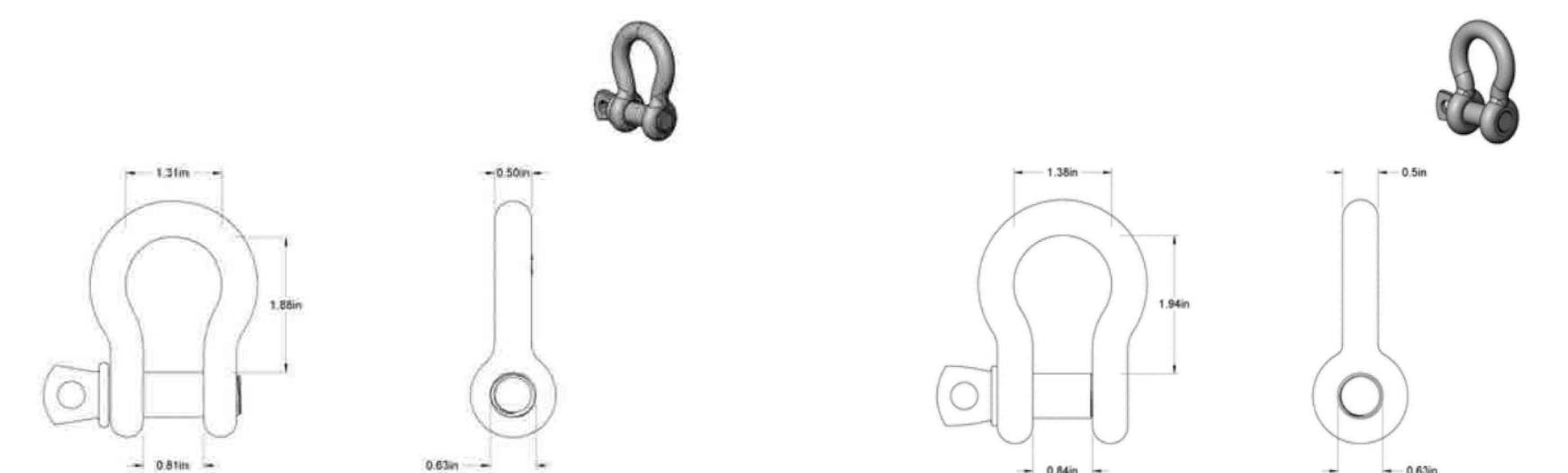
NOTES:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ANCHOR SYSTEM NOTES:

1. 4 X FORTRESS FX-55 55LB DANFORTH ANCHORS SET AT 45 DEGREE ANGLE
2. 10' OF 3/4" GALVANIZED STEEL CHAIN CONNECTED BY 1/2" GALVANIZED SHACKLE
3. 20-30' OF 3/8" GALVANIZED STEEL CHAIN CONNECTED BY 3/8" GALVANIZED ALLOY SHACKLE
4. SHACKLE CONNECTED TO GARDEN ATTACHMENT POINTS W/ 3/8" GALVANIZED ALLOY SHACKLE



PERSPECTIVE - TYPICAL FLOATING WETLAND ISLAND SYSTEM  
SCALE: N.T.S.

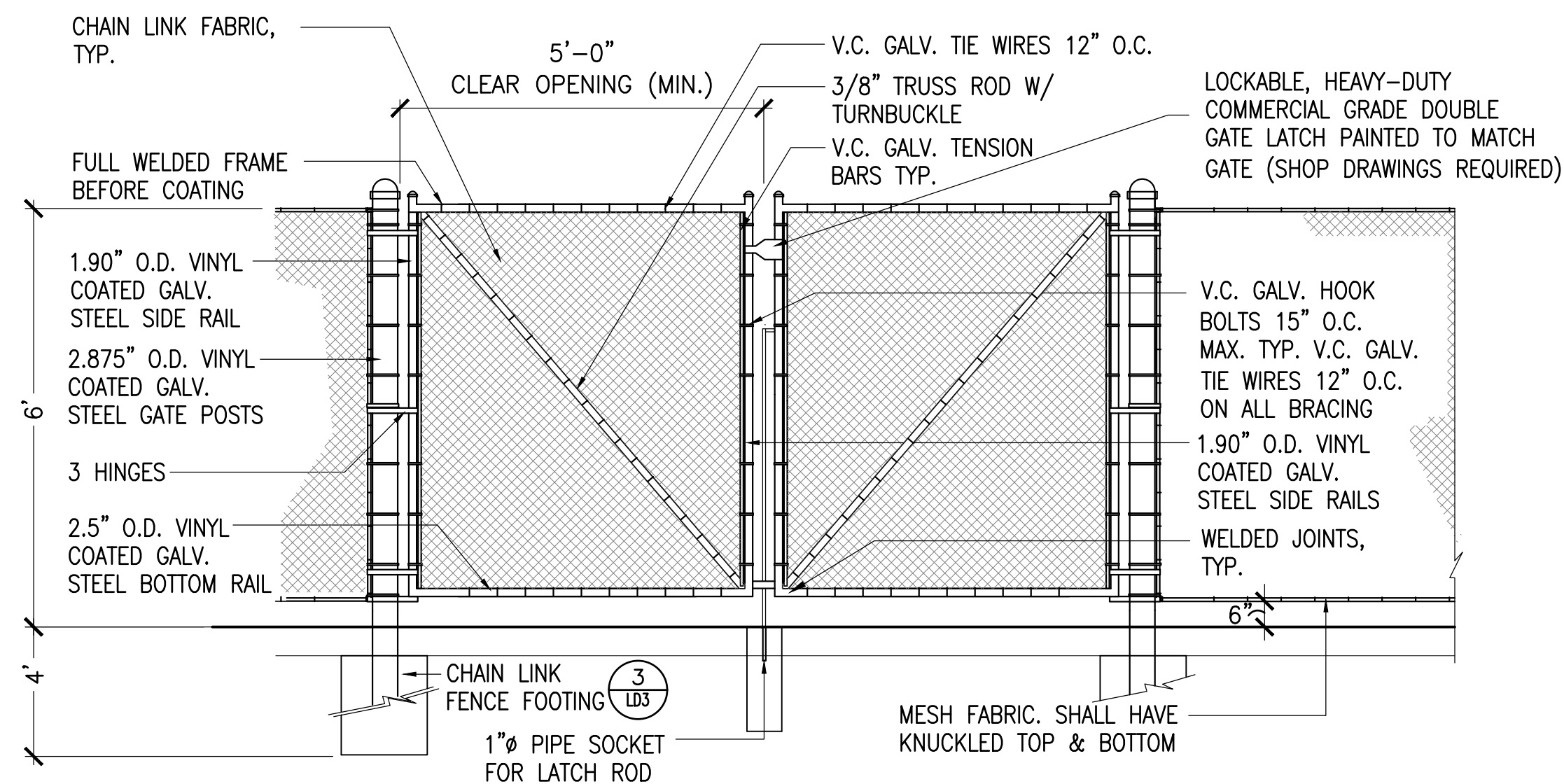


ANCHOR CONNECTION SHACKLE, TYP.

CHAIN AND GARDEN CONNECTION SHACKLE, TYP.

FORTRESS FX-55 55LB DANFORTH ANCHOR, TYP.

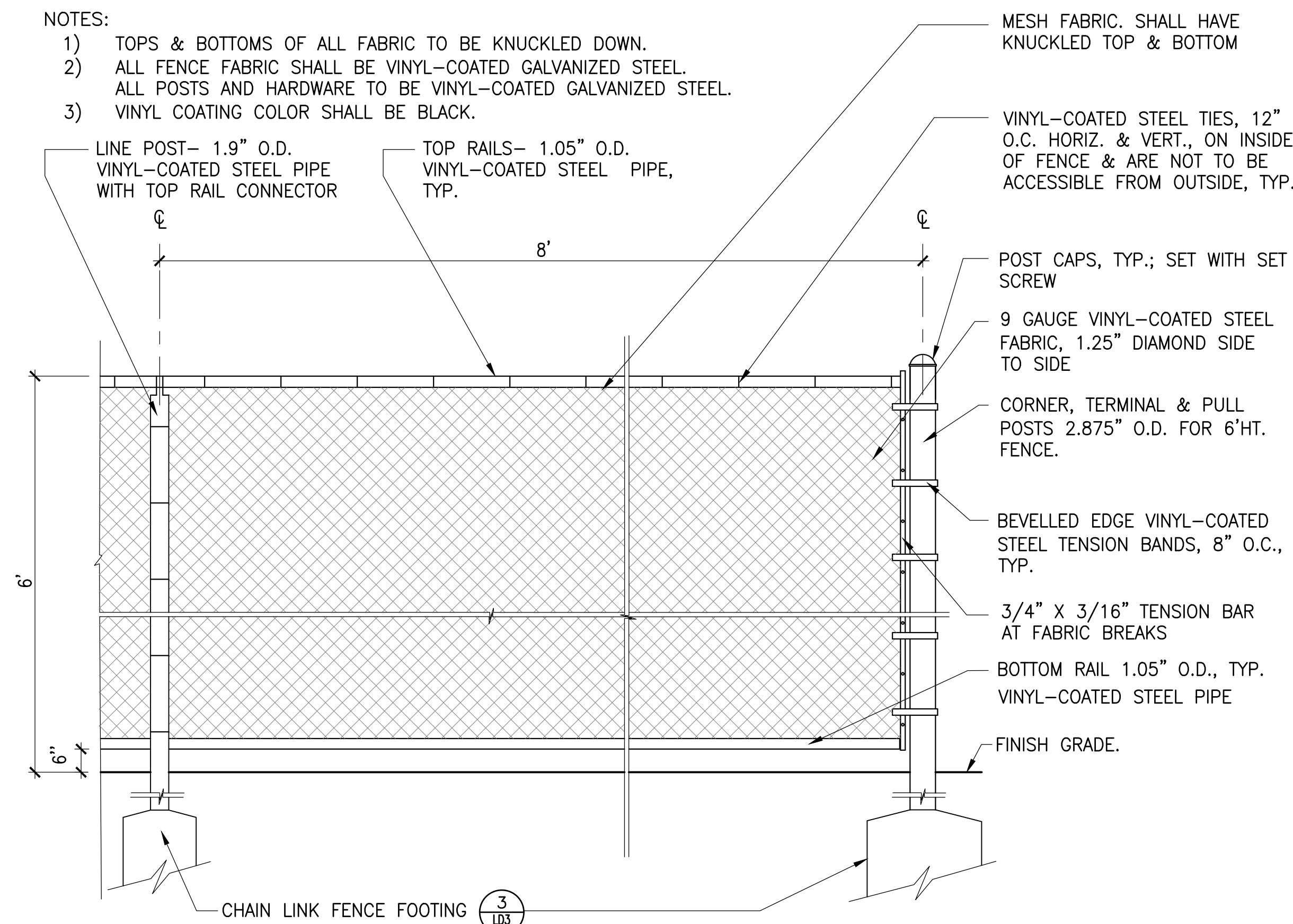
4 SCALE: AS SHOWN



SCALE: N.T.S.

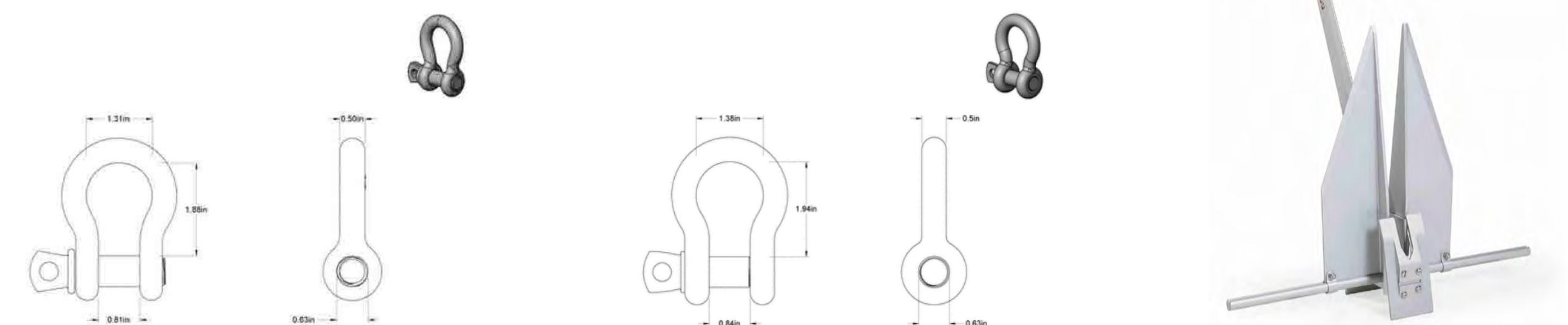
NOTES:

- 1) TOPS & BOTTOMS OF ALL FABRIC TO BE KNUCKLED DOWN.
- 2) ALL FENCE FABRIC SHALL BE VINYL-COATED GALVANIZED STEEL.  
ALL POSTS AND HARDWARE TO BE VINYL-COATED GALVANIZED STEEL.
- 3) VINYL COATING COLOR SHALL BE BLACK.



SECTION ELEVATION

2 SCALE: N.T.S.



FORTRESS FX-55 55LB DANFORTH ANCHOR, TYP.

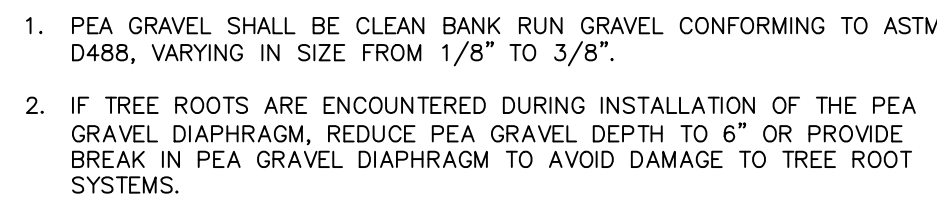




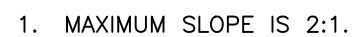




1. THE WET WATER QUALITY SWALE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MASSACHUSETTS STORMWATER HANDBOOK, MOST RECENT EDITION.
2. THE FOUNDATION AREA OF THE WET WATER QUALITY SWALE SHALL BE CLEARED AND GRUBBED OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL. MATERIALS REMOVED SHALL BE DISPOSED OF SO THEY WILL NOT INTERFERE WITH THE CONSTRUCTION OR PROPER FUNCTIONING OF THE WATERWAY.
3. THE WET WATER QUALITY SWALE SHALL BE EXCAVATED FOR SHAPED TO LINE, GRADE AND CROSS-SECTION AS REQUIRED TO MEET THE DESIGN CRITERIA. THE WATERWAY SHALL BE FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
4. EARTH FILLS REQUIRED TO MEET SUBGRADE REQUIREMENTS BECAUSE OF OVER EXCAVATION OR TOPOGRAPHY SHALL BE COMPACTED TO THE SAME DENSITY AS THE SURROUNDING SOIL TO PREVENT UNEQUAL SETTLEMENT THAT COULD CAUSE DAMAGE TO THE COMPLETED WATERWAY. EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER AS TO MINIMIZE EROSION, AIR, AND WATER POLLUTION. ALL APPROPRIATE STATE AND LOCAL LAWS AND REGULATIONS SHALL BE COMPLIED WITH FOR INSTALLATION.
6. WET WATER QUALITY SWALE SHALL BE PLANTED WITH EMERGENT WETLAND VEGETATION OR WETLAND SOILS PLACED ON THE SWALE BOTTOM FOR SEED STOCK. MONITOR, WATER, AND RESEED AS NECESSARY UNTIL WETLAND VEGETATION IS ESTABLISHED.
7. VEGETATION SHALL BE ESTABLISHED IN THE WET WATER QUALITY SWALE PRIOR TO ALLOWING STORMWATER RUNOFF TO FLOW THROUGH THE SWALE.
8. THE WET WATER QUALITY SWALE SHOULD BE INSPECTED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE THE CONDITION OF THE WATERWAY. HILLS AND DAMAGED AREAS SHOULD BE PROMPTLY REPAIRED AND REVEGETATED AS NECESSARY TO PREVENT FURTHER DETERIORATION.



NOT TO SCALE



NOT TO SCALE

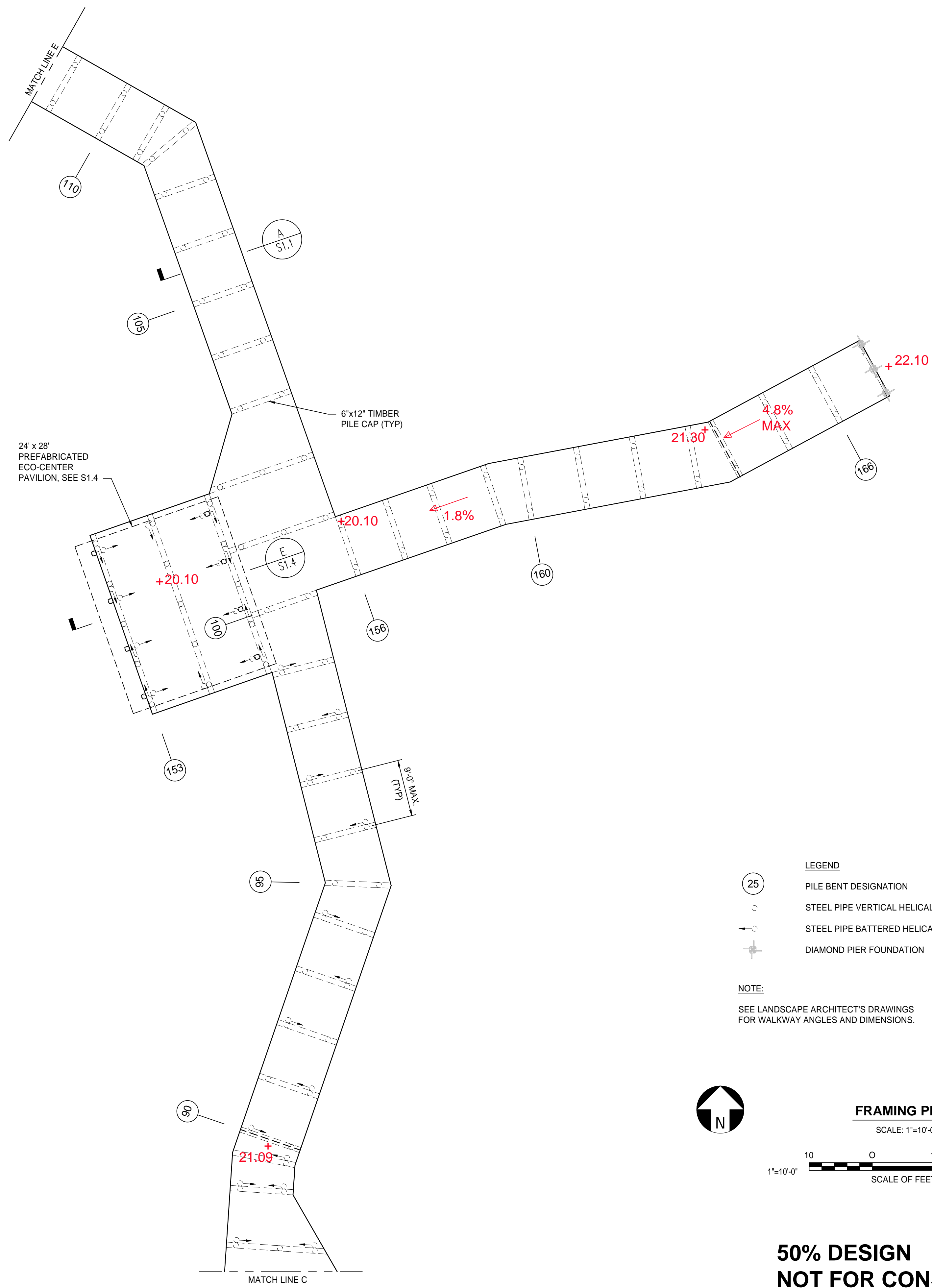
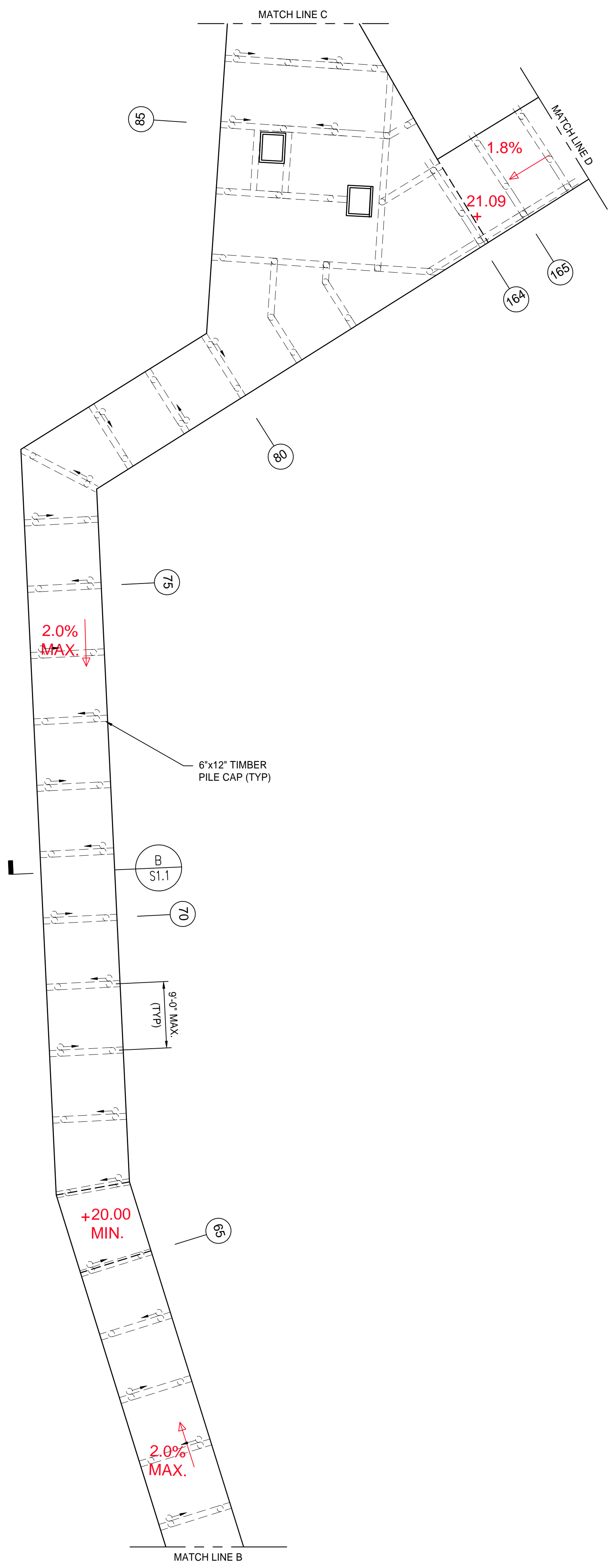
One Boston Place  
201 Washington Street  
Suite 3920,  
Boston, MA 02108

C01



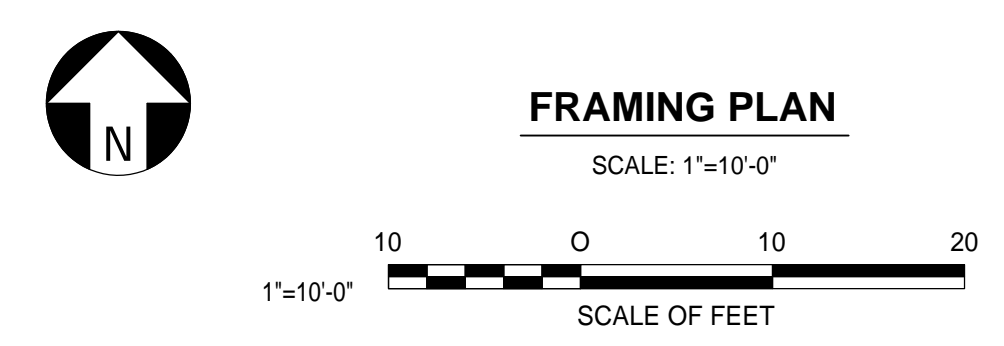
**50% DESIGN  
NOT FOR CONSTRUCTION**





- LEGEND**
- (25) PILE BENT DESIGNATION
  - STEEL PIPE VERTICAL HELICAL PILE
  - STEEL PIPE BATTERED HELICAL PILE
  - ◆ DIAMOND PIER FOUNDATION

**NOTE:**  
SEE LANDSCAPE ARCHITECT'S DRAWINGS  
FOR WALKWAY ANGLES AND DIMENSIONS.



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**JERRY'S POND**  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



One Boston Place  
201 Washington Street  
Suite 3920,  
Boston, MA 02108

NO.	REVISION	DATE



2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960



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Job Number:	
Project: JERRY'S POND	
Drawn By: TEQ	Checked By: BJP
Date: MARCH 12, 2025	
Scale:	
Drawing Title:	

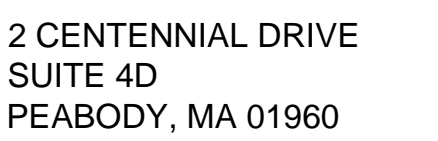
BOARDWALK FRAMING PLAN

S0.2



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Suite 3920,  
Boston, MA 02108

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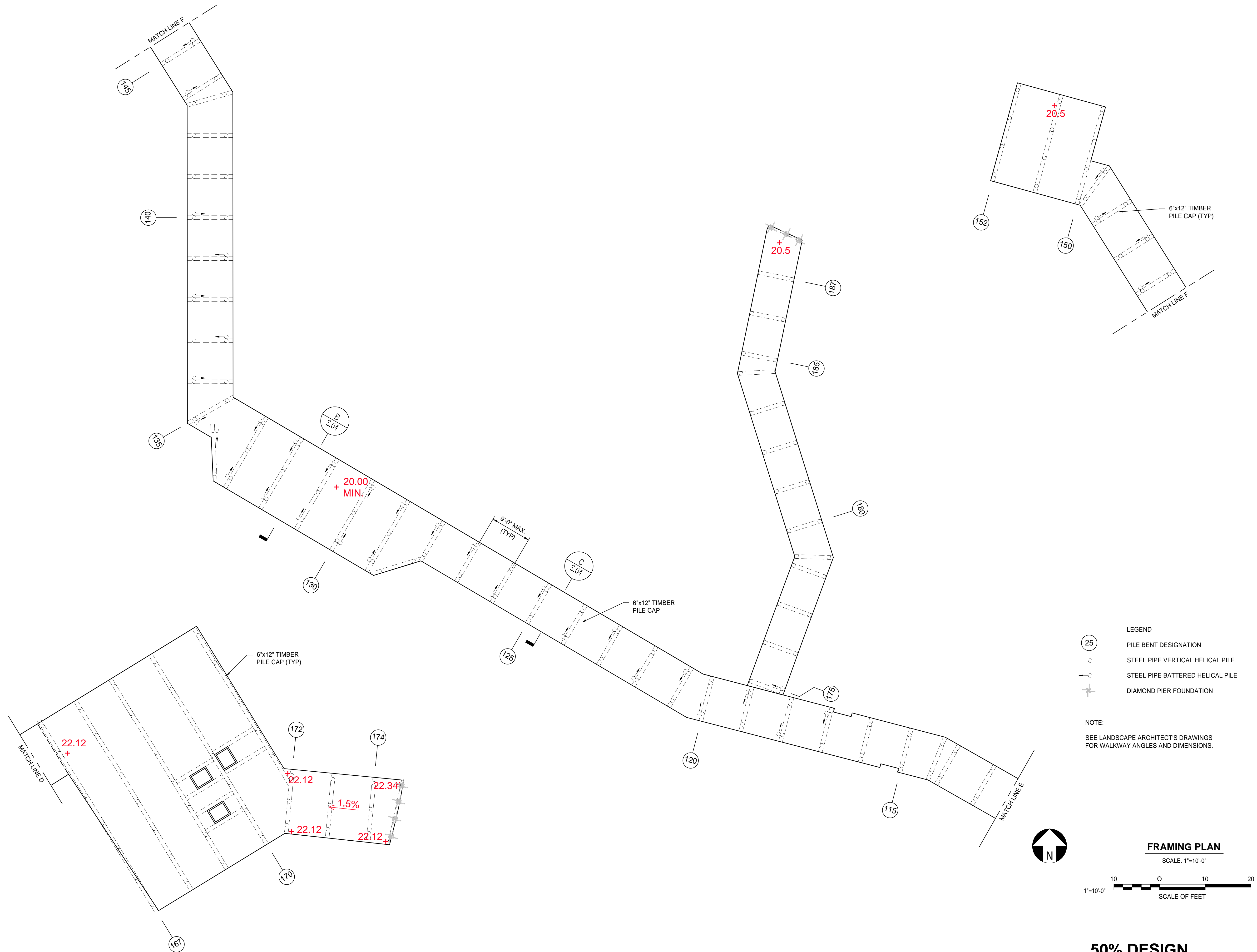
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Drawing Title:

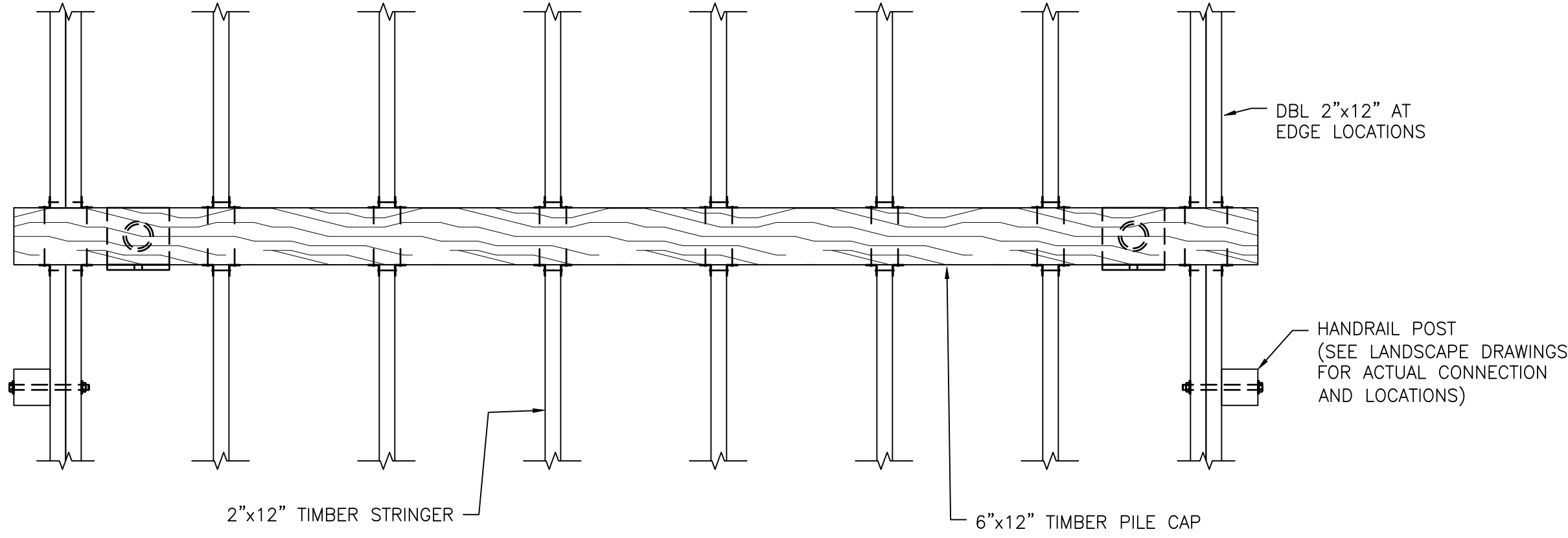
BOARDWALK FRAMING PLAN

## S0.3



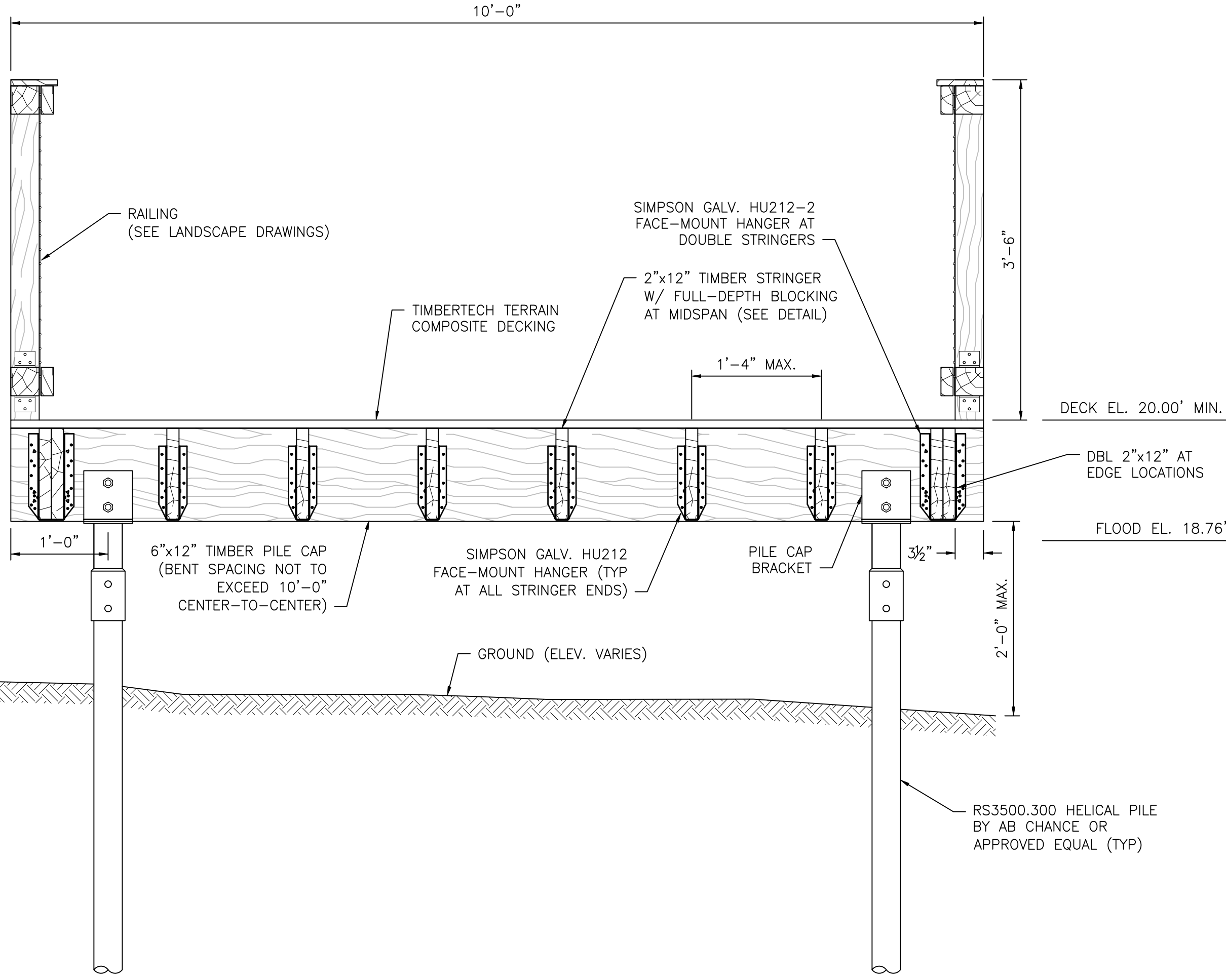
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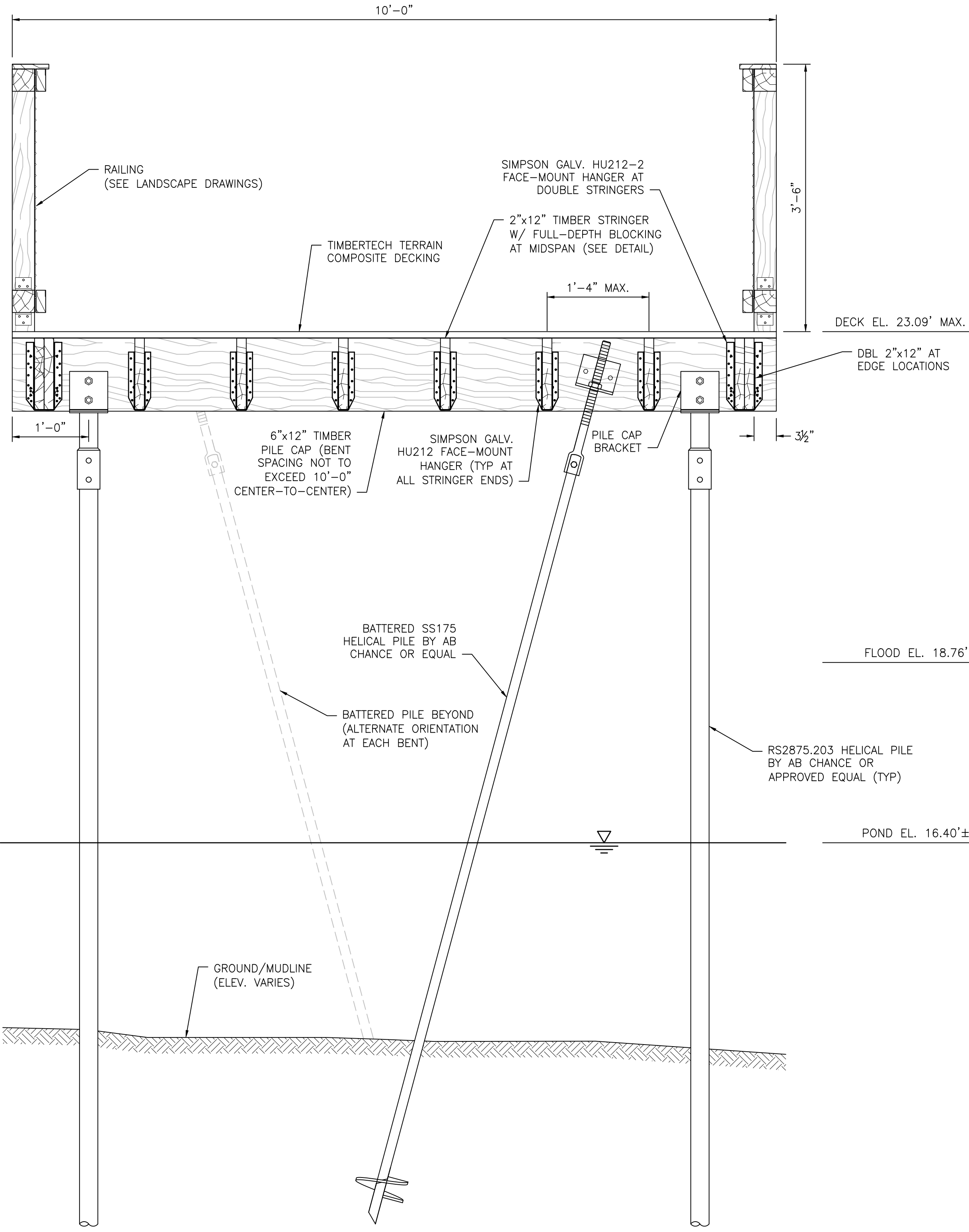
**TYPICAL BENT PLAN**  
SCALE: 1"=1'-0"

NOTE: DECKING NOT SHOWN FOR CLARITY.



**A TYPICAL SECTION WITHOUT BATTERED PILES**  
S0.1 SCALE: 1"=1'-0"

- NOTES:
1. ALL TIMBER SHALL BE PRESSURE-TREATED NO. 1 SOUTHERN PINE AS GRADED BY SPIB WITH DESIGN VALUES PER NFPA. TIMBER SHALL BE TREATED TO A RETENTION OF 1.0 POUNDS PER CUBIC FOOT OF CCA.
  2. SIMPSON GALV. HU212 AND HU212-2 HANGERS AT STRINGER ENDS SHALL BE MODIFIED AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS TO ACCOMMODATE SKEWED GEOMETRY.
  3. BATTERED PILES ARE NOT NEEDED AT ANY BENT WHERE THE MUDLINE IS LESS THAN 2 FEET FROM THE UNDERSIDE OF THE PILE CAP. AT THESE LOCATIONS, RS3500.300 HELICAL PILES SHALL BE USED IN LIEU OF RS2875.203.



**B TYPICAL SECTION WITH BATTERED PILES**  
S0.1 SCALE: 1"=1'-0"

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**JERRY'S POND**  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



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Boston, MA 02108

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2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960



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STRUCTURAL SECTIONS



PREPARED FOR:



One Boston Place  
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2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960



50% DESIGN -  
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Job Number:

Project: JERRY'S POND

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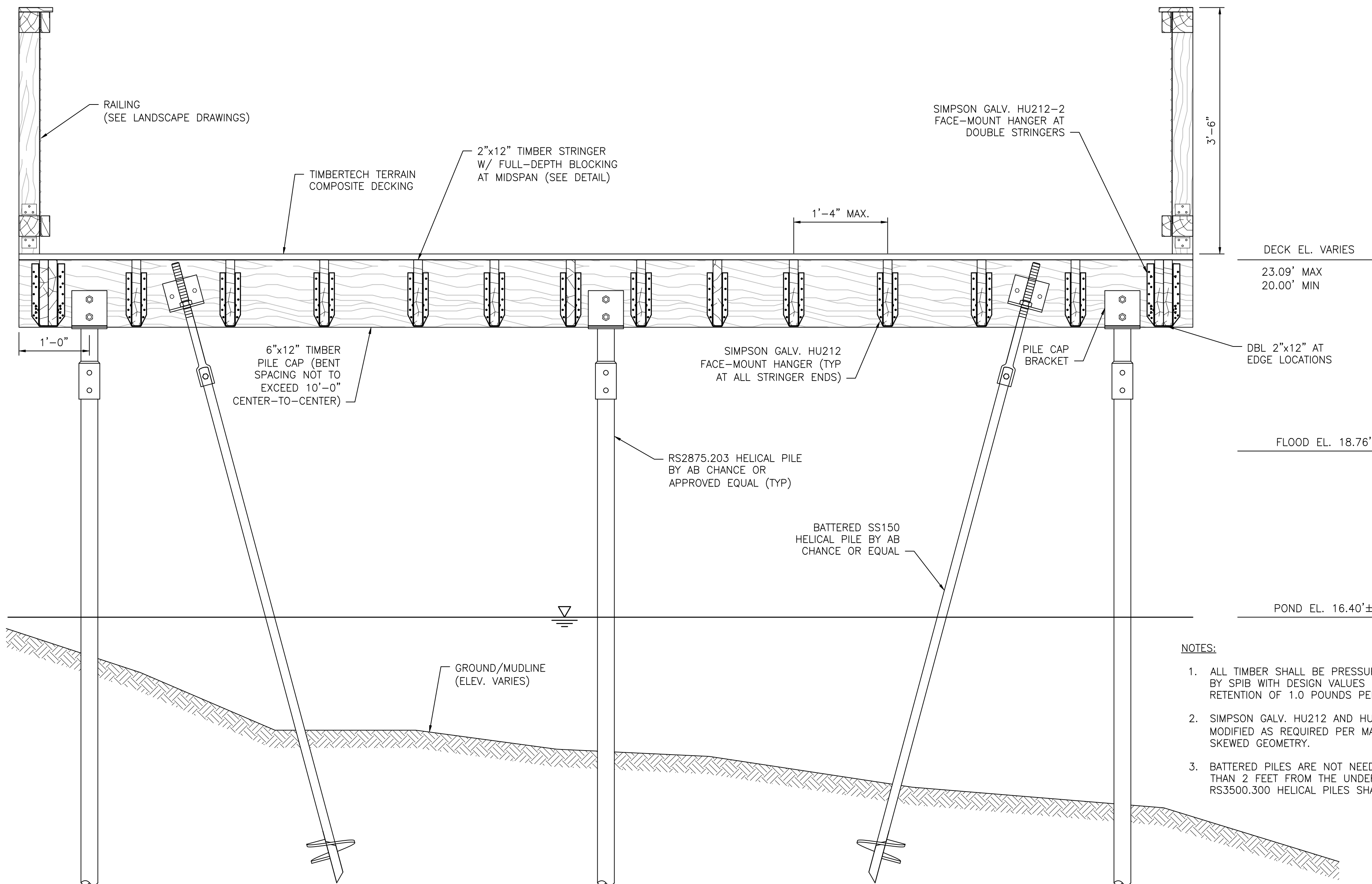
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Scale:

Drawing Title:

STRUCTURAL SECTIONS

S1.2



NOTES:

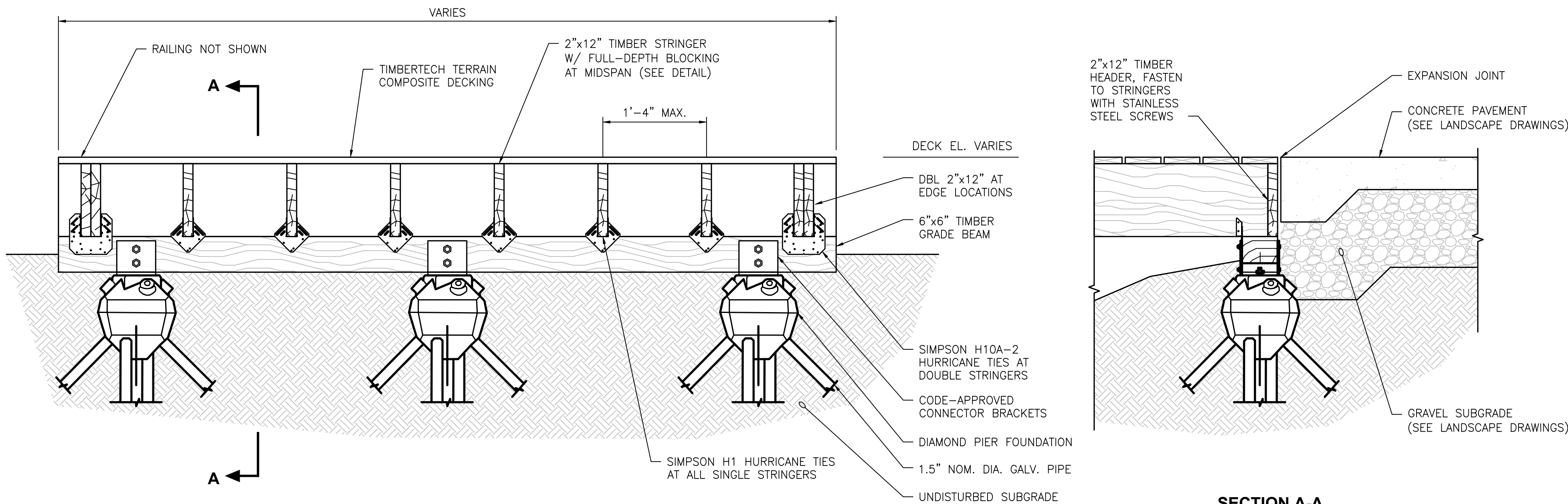
1. ALL TIMBER SHALL BE PRESSURE-TREATED NO. 1 SOUTHERN PINE AS GRADED BY SPIB WITH DESIGN VALUES PER NFPA. TIMBER SHALL BE TREATED TO A RETENTION OF 1.0 POUNDS PER CUBIC FOOT OF CCA.
2. SIMPSON GALV. HU212 AND HU212-2 HANGERS AT STRINGER ENDS SHALL BE MODIFIED AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS TO ACCOMMODATE SKEWED GEOMETRY.
3. BATTERED PILES ARE NOT NEEDED AT ANY BENT WHERE THE MUDLINE IS LESS THAN 2 FEET FROM THE UNDERSIDE OF THE PILE CAP. AT THESE LOCATIONS, RS3500.300 HELICAL PILES SHALL BE USED IN LIEU OF RS2875.203.

C

WIDE SECTION WITH BATTERED PILES

S0.1

SCALE: 1"=1'-0"



SECTION A-A

D

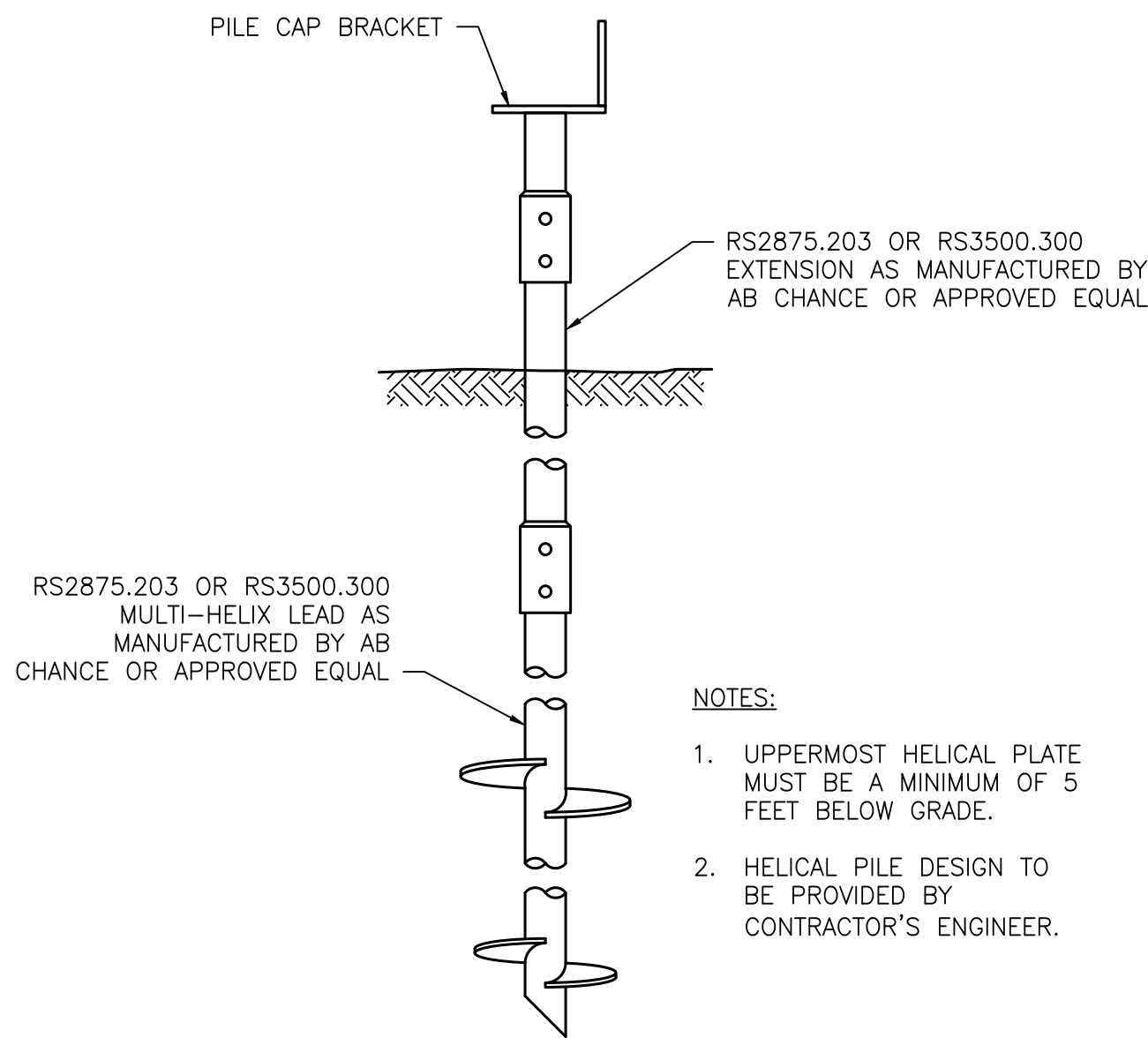
BOARDWALK ABUTMENT

S0.1

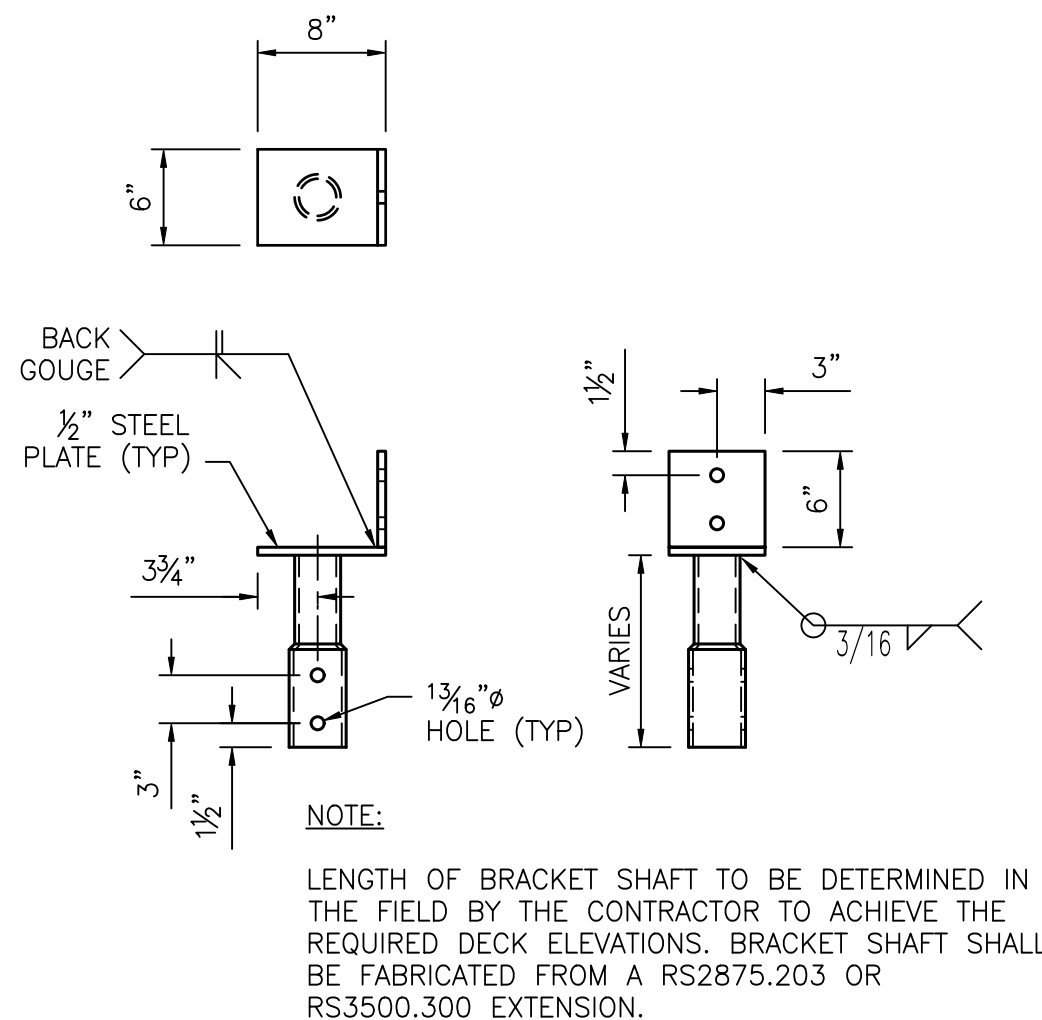
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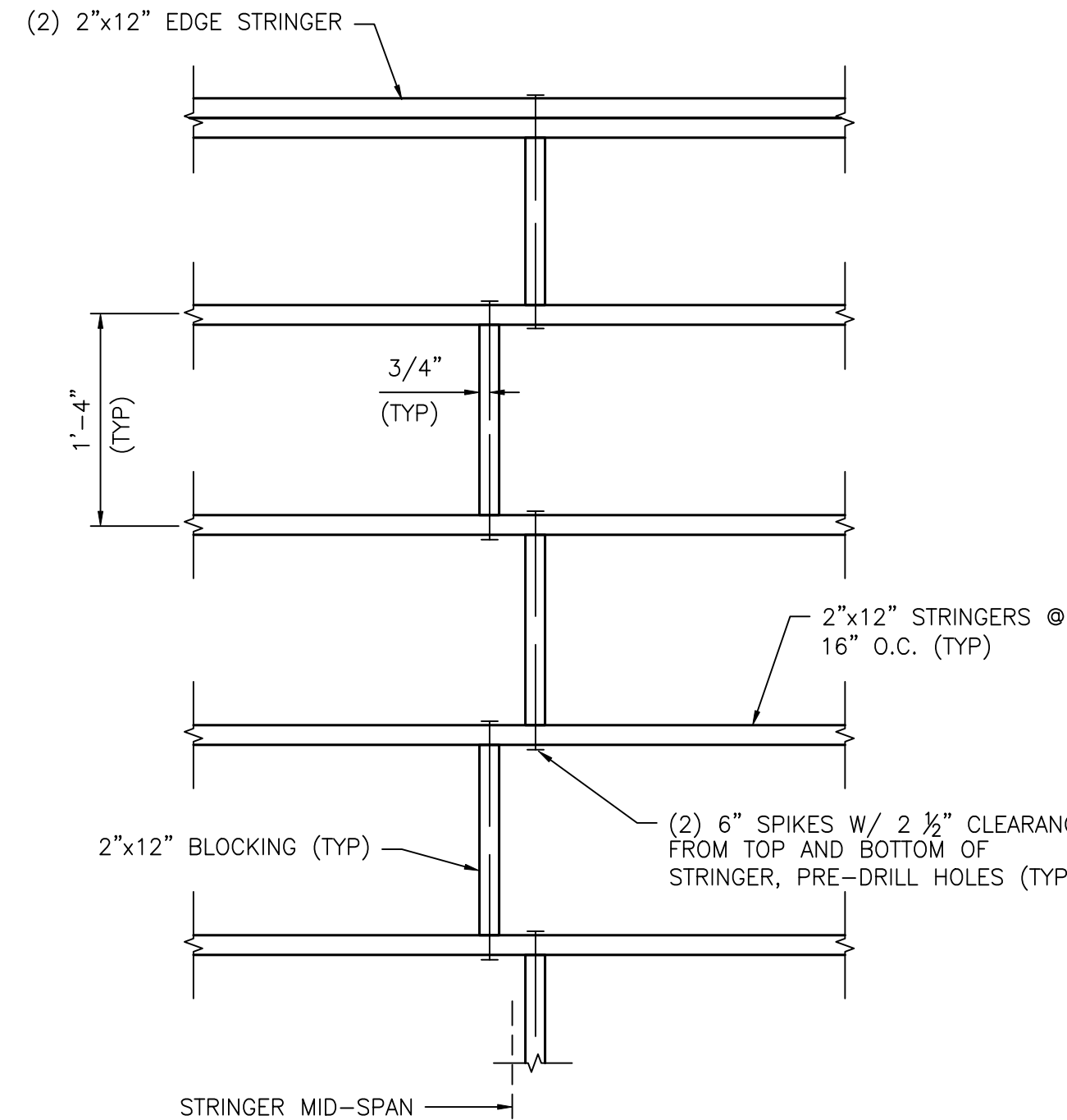




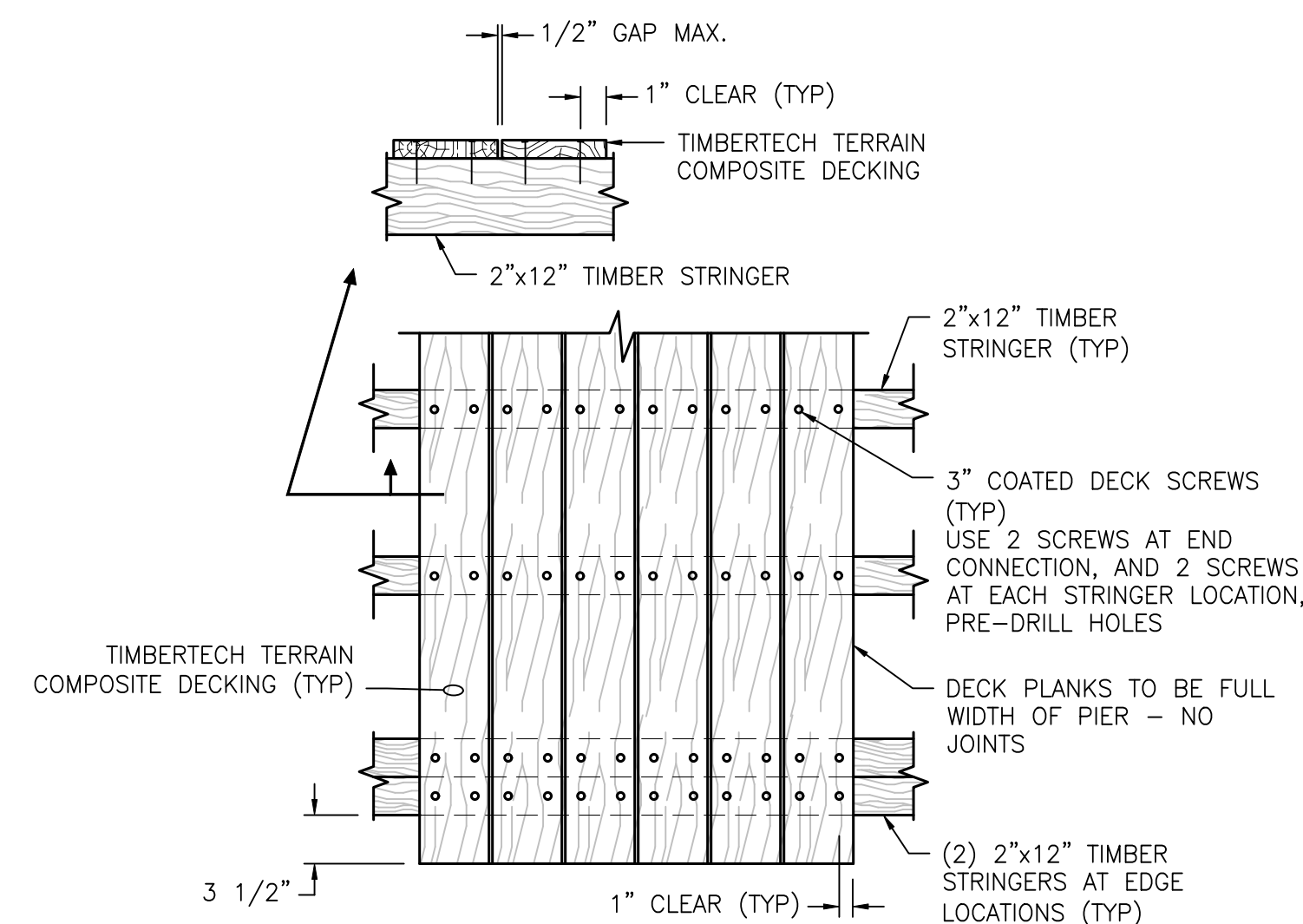
**1 HELICAL PILE DETAIL**  
S1.1 SCALE: 1"=1'-0"



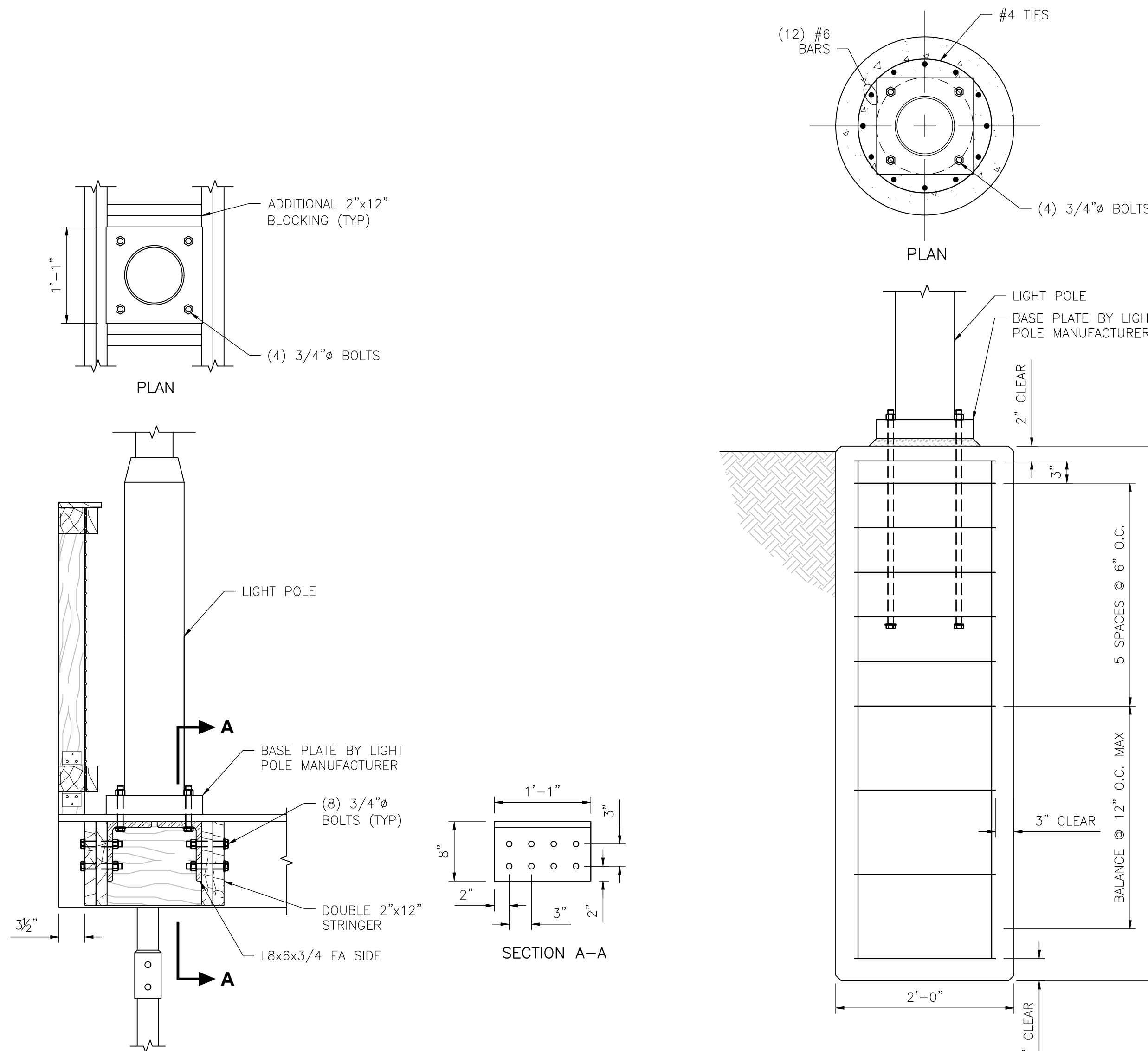
**2 PILE CAP BRACKET DETAIL**  
S1.2 SCALE: 1"=1'-0"



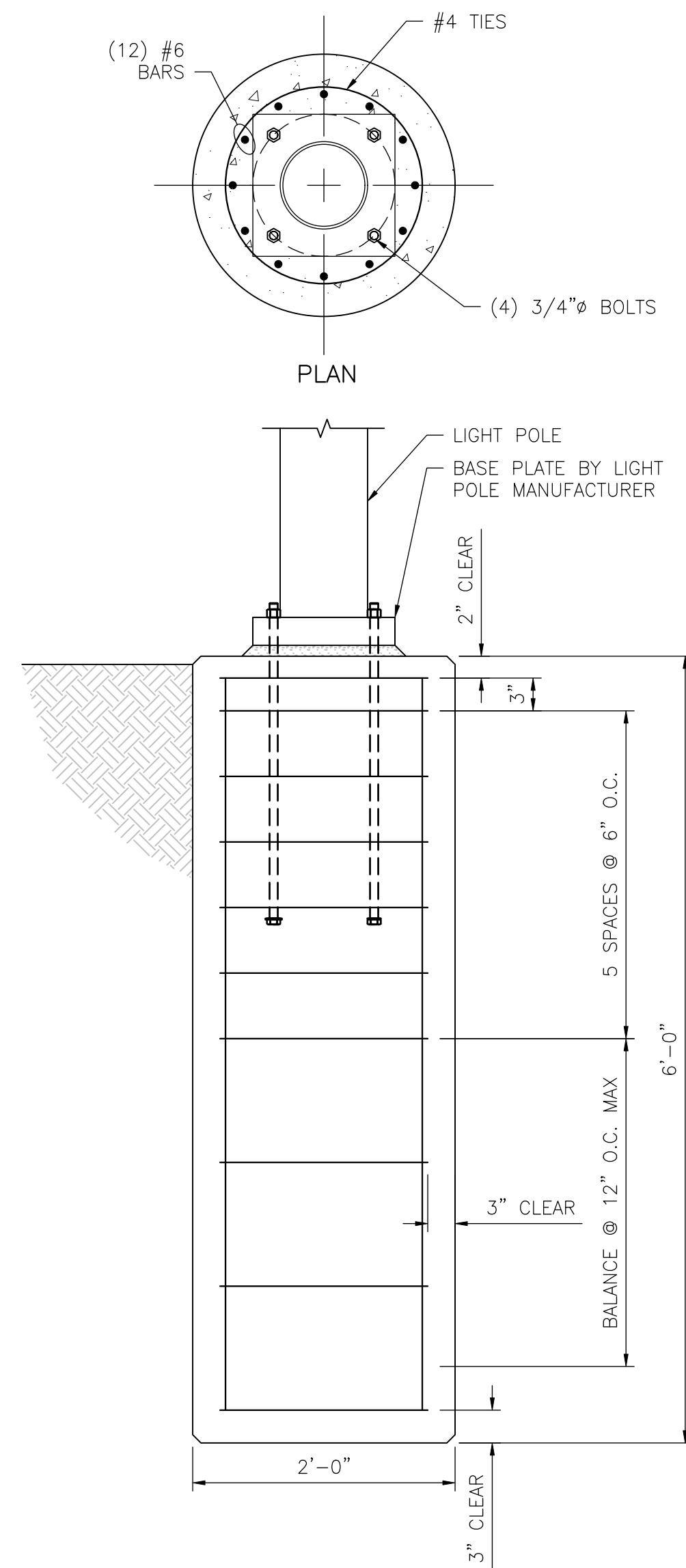
**3 STRINGER BLOCKING DETAIL**  
S1.1 SCALE: 1"=1'-0"



**4 TIMBER DECKING DETAIL**  
S1.1 SCALE: N.T.S.



**5 LIGHT POLE CONNECTION DETAIL**  
S0.1 SCALE: 1"=1'-0"



**6 LIGHT POLE FOOTING DETAIL**  
S0.1 SCALE: 1"=1'-0"

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**JERRY'S POND**  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



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2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960



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Drawing Title:	
STRUCTURAL DETAILS	

STRUCTURAL DETAILS

S1.3



## S1.4



LEGEND OF FEEDER SIZES—COPPER CONDUCTORS					
FEEDER SYMBOL	CONDUCTORS (1 PHASE 3 WIRE) WITH GROUND	EMT RACEWAY	CONDUCTORS (3 PHASE 4 WIRE) WITH GROUND	EMT RACEWAY	NOMINAL AMPERE RATING
(1)	3#6 & 1#10 GND.	3/4"			60
(2)			4#6 & 1#10 GND.	1"	
(3)	3#4 & 1#8 GND.	1"	4#4 & 1#8 GND.	1-1/4"	
(4)					70
(5)	3#2 & 1#8 GND.	1-1/4"	4#2 & 1#8 GND.	1-1/4"	
(6)					
(7)	3#1 & 1#6 GND.	1-1/2"	4#1 & 1#6 GND.	2"	125
(8)					
(9)	3# 1/0 & 1#6 GND.	2"	4# 1/0 & 1#6 GND.	2"	
(10)					150
(11)	3# 2/0 & 1#6 GND.	2"	4# 2/0 & 1#6 GND.	2"	
(12)					
(13)	3# 3/0 & 1#6 GND.	2"	4# 3/0 & 1#6 GND.	2-1/2"	200
(14)					
(15)	3# 4/0 & 1#4 GND.	2-1/2"	4# 4/0 & 1#4 GND.	2-1/2"	
(16)					225
(17)	3-250 KCMIL & 1#4 GND.	3"	4-250 KCMIL & 1#4 GND.	3"	
(18)					
(19)	3-350 KCMIL & 1#4 GND.	3"	4-350 KCMIL & 1#4 GND.	3"	300
(20)					
(21)	3-500 KCMIL & 1#3 GND.	3-1/2"	4-500 KCMIL & 1#3 GND.	4"	
(22)					350
(23)	3-600 KCMIL & 1#3 GND.	4"	4-600 KCMIL & 1#3 GND.	4"	
(24)					

PANEL "P1"				PARK LIGHTING PANEL		VOLTAGE: 240/120 VOLT — 1 PH. — 3 WIRE		100 AMP MAIN CB; SURFACE MOUNTED		PROVIDE WITH GROUND BAR, MINIMUM A.I.C. RATING = 42,000 AMPS SYM.	
CKT NO.	LOAD DESCRIPTION	WIRE	BREAKER	CONN. LOAD ( KVA )			BREAKER	WIRE	LOAD DESCRIPTION	CKT NO.	
		Ø	POLE	AMP	PH. "A" 0.8 0.3	PH. "B" 0.4 0.3	AMP	POLE			Ø
1	CONTROL BOX ENCLOSURE HEATER	12	1	20				20	2	*	2
3	CONTROL BOX LIGHTS, RECEPTACLE	12	1	20				—	—	—	4
5	RECEPTACLE(S)	10	1	20				20	2	*	6
7	PATHWAY LIGHTING LT1	*	2	20				—	—	—	8
9	—	—	—	—				20	2	*	10
11	PATHWAY LIGHTING LT1	*	2	20				—	—	—	12
13	—	—	—	—				20	2	*	14
15	PATHWAY LIGHTING LT1	*	2	20				—	—	—	16
17	—	—	—	—				40	2	8	18
19	RECEPTACLE(S)	10	1	20				—	—	" "	20
21	IRRIGATION OUTLET	10	1	20				40	2	8	22
23	—	12	1	20				—	—	" "	24
		TOTALS PER PHASE			10.2			10.1			USE GFCI BREAKERS FOR ALL EXTERIOR LTG CIRCUITS
		TOTAL LOAD			20.3 KVA						

NOTES:

- \* COORDINATE ALL BRANCH CIRCUITS EXACT LENGTHS IN THE FIELD, ie: POLE LIGHTING WIRING SIZES WITH THE VOLTAGE DROP—ADJUSTED WIRING SIZES SHOWN ON THE PLAN, SEE TABLE AND NOTES FOR ADDITIONAL INFORMATION. ALL SITE LIGHTING CONDUITS TO BE 2" MINIMUM.

ELECTRICAL NOTES

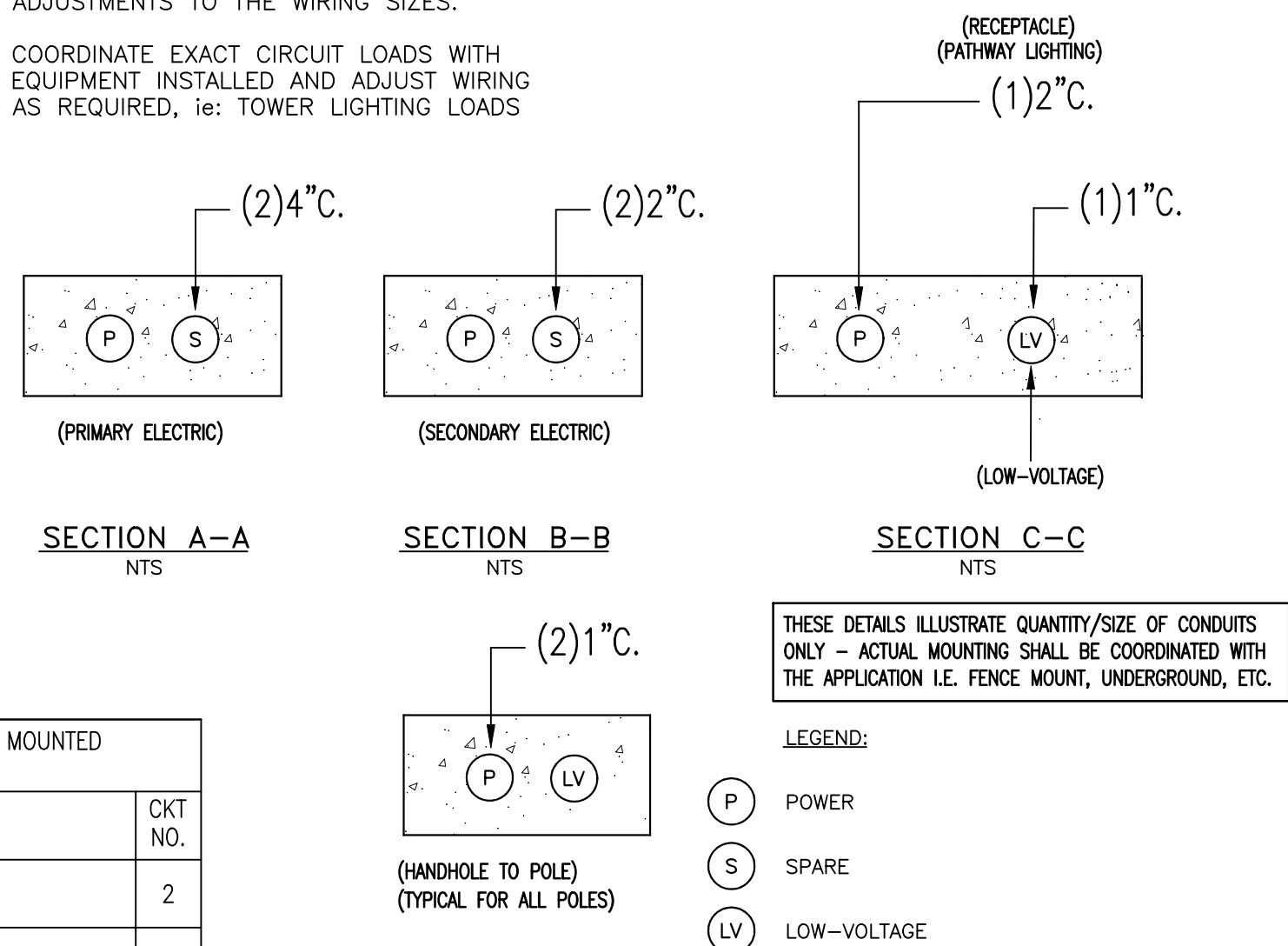
- SITE DISTRIBUTION HANDHOLE SYSTEM, TRANSFORMER PADS/POLES, GROUNDING, MEDIUM VOLTAGE DIRECT BURIAL CABLE, TERMINATIONS AND ACCESSORIES SHALL CONFORM TO THE EVERSOURCE/NGRID SPECIFICATIONS AND REQUIREMENTS FOR ELECTRIC INSTALLATION.
- PROVIDE SUFFICIENT SLACK CABLE FOR UTILITY TO EXTEND CABLE TO TOP OF POLE AND FOR UTILITY TO MAKE FINAL CONNECTION.
- SITE ELECTRICAL PRIMARY DISTRIBUTION, PLACEMENT OF TRANSFORMERS AND MANHOLE SYSTEM TO BE DETERMINED BY UTILITY CO. EXACT LOCATION OF PRIMARY CONNECTION TO BE CONFIRMED WITH UTILITY.
- FEEDER & BRANCH CIRCUITS FOR THE EQUIPMENT SHALL BE RATED TO MATCH THE CIRCUIT BREAKER SIZE UNLESS OTHERWISE NOTED.
- ALL WORK INSIDE THE PROPERTY LINE TO BE INSTALLED BY THE E.C. & G.C. TO UTILITY COMPANY STANDARDS.
- ALL WORK INSIDE THE PROPERTY LINE TO BE INSTALLED BY THE E.C./G.C. TO UTILITY COMPANY STANDARDS.
- CONFIRM METERING REQUIREMENTS WITH UTILITY COMPANY.
- ALL EXPOSED METER CABINETS, PANELS, CONTROL CABINETS, BOXES, ETC, ARE TO BE WEATHERPROOF NEMA-3R RATED.
- PROVIDE ALLOWANCES FOR ALL UTILITY CO. BACK CHARGES, (APPROXIMATE \$10000.00 — TBD) INCLUDING ALL COORDINATION REQUIREMENTS, PERMITS, ETC, AS REQUIRED FOR COMPLETED PROJECT SCOPE, COORDINATE EXACT AMOUNT WITH LOCAL UTILITY CO. PRIOR TO COMMENCEMENT OF NEW WORK.
- PROVIDE WIRELESS CELLULAR DIALER/COMMUNICATOR FOR REMOTE TELEPHONE LIGHTING CONTROLS.

NOTES:

- DISTANCES TO THE LIGHT POLES ARE INDICATED FOR REFERENCE ONLY, FIELD VERIFY EXACT LENGTHS IN THE FIELD.
- VOLTAGE DROP BRANCH CIRCUITS NOT TO EXCEED 3% TO THE LOAD, ADJUST WIRE SIZE AS REQUIRED FOR EXACT FIELD DIMENSIONS.
- COORDINATE EXACT LOAD SIZES TO THE LIGHT POLES WITH MANUFACTURER'S SPECIFICATIONS PRIOR TO REQUIRED BRANCH CIRCUIT SIZES OR ANY ADJUSTMENTS TO THE WIRING SIZES.
- COORDINATE EXACT CIRCUIT LOADS WITH EQUIPMENT INSTALLED AND ADJUST WIRING AS REQUIRED, ie: TOWER LIGHTING LOADS

ABBREVIATIONS

AIC	AMPERES INTERRUPTING CAPACITY
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER (GFCI)
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
WP	WEATHER PROOF



CONDUIT SECTIONS

DUCTBANK NOTES:

- SEE TYPICAL DUCTBANK DETAILS AND NOTES FOR TYPICAL LAYOUTS, DIMENSIONS AND ADDITIONAL INSTALLATION REQUIREMENTS.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULLSTRING CAPPED.
- PROVIDE 6" COMPACTED SAND ALL AROUND CONDUIT, WHERE BELOW ROADWAYS OR PARKING PROVIDE TYPICAL CONCRETE ENCASEMENT. FOR BOARDWALK: SUPPORT UNDER BOARDWALK
- SITE LIGHTING CONDUIT(S) SHALL BE LOCATED 24" BELOW GRADE.
- ALL BURIED CONDUITS SHALL HAVE WARNING TAPE ENTIRE LENGTHS.
- CONDUITS BELOW THE BOARDWALK SHALL BE PVC 80 OR RIGID METALLIC CONDUIT. ALL FITTINGS AND CONDUITS SHALL BE CORROSION RESISTANT LISTED AND WATER-TIGHT.

POWER LEGEND

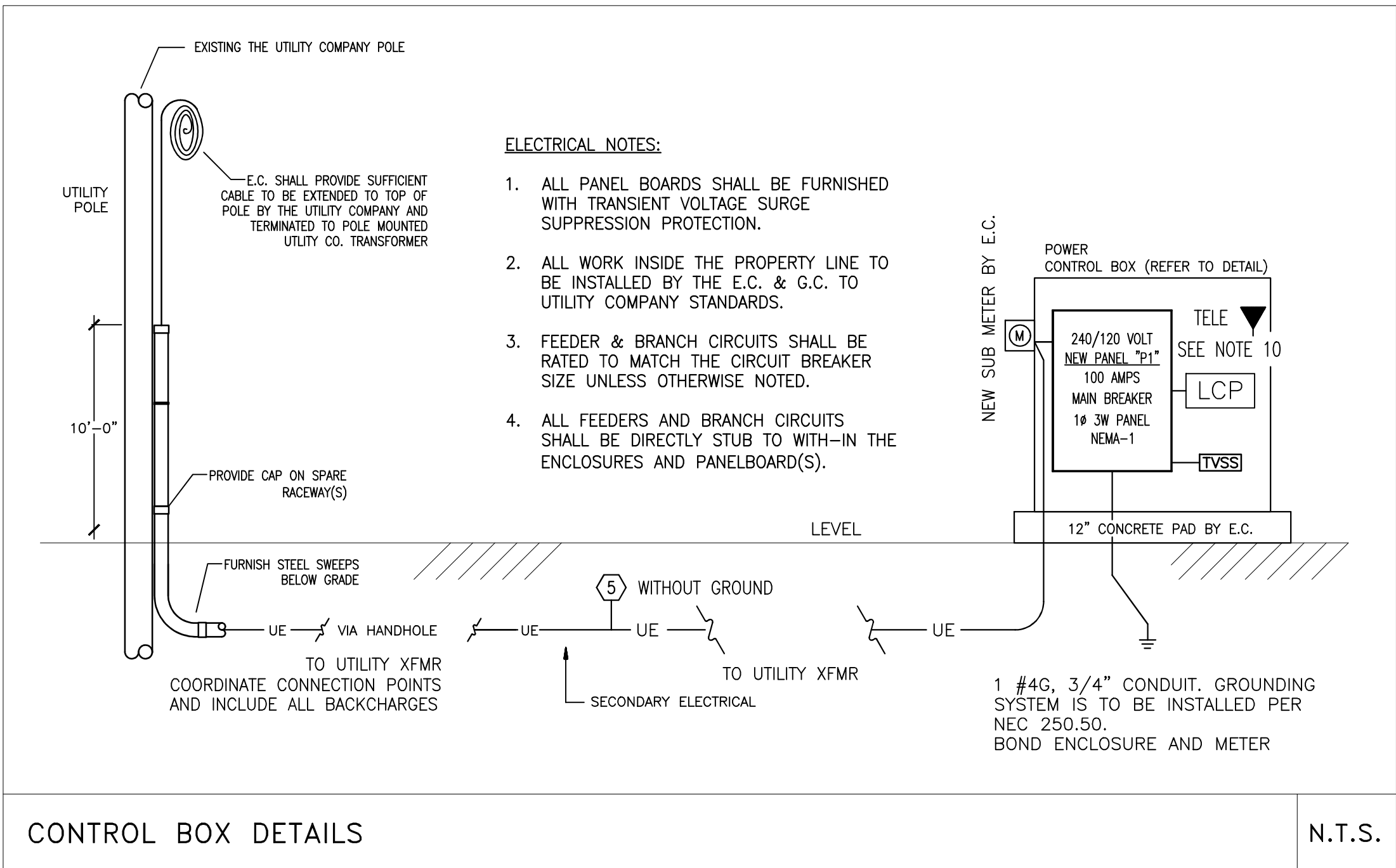
SYMBOLS	DESCRIPTION
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED.
	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DOUBLE DUPLEX RECEPTACLE. FLUSH WALL MOUNTED. GFCI TYPE.
	DUPLEX GFCI RECEPTACLE WITH WEATHER PROOF COVER/BOX
	SURFACE PANEL — SEE RESPECTIVE SCHEDULE.
	HOMERUN TO PANEL
	JUNCTION BOX
	CONNECTION TO GROUND
	ELECTRICAL HANDHOLE — LINE VOLTAGE AND LOW VOLTAGE WITH DIVIDER. REFER TO DETAIL FOR TYPE.
	LIGHTING CONTROL PANEL — USE INTERMATIC #ET91215CR IN NEMA 3R ENCLOSURE, OR APPROVED EQUAL. WITH ETHERNET CONNECTION.
	TELE/DATA CONNECTION WITH RADIO DIALER SYSTEM

BRANCH CIRCUIT WIRING

- ALL BRANCH CIRCUIT WIRING SHALL BE COPPER — TYPE AS LISTED IN THE SPECIFICATIONS UNLESS OTHERWISE NOTED.
- FOR CLARITY, ALL BRANCH CIRCUIT WIRING IS NOT SHOWN, HOWEVER A COMPLETE BRANCH CIRCUIT WIRING SYSTEM IS TO BE INSTALLED IN ACCORD WITH THE DEVICES AND CIRCUIT NUMBERS SHOWN.
- WIRING SHOWN ON DRAWINGS IS FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS
- ALL BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NO SHARED NEUTRALS WILL BE ALLOWED. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS..
- TYPICAL CIRCUITING  
a. "A" DENOTES FIXTURE TYPE.  
b. "P1A,33" DENOTES PANEL & CIRCUIT NUMBER, "b" DENOTES SWITCH CONTROL ALTERNATIVELY CIRCUITING MAY BE LOOPED

GENERAL NOTES

- ALL WIRING AND RACEWAY SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- THE SIZES OF ELECTRICAL RACEWAY SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS AND SHALL MEET THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- ARCHITECTURAL DRAWINGS INDICATE REQUIRED LOCATION OF WIRING DEVICES.
- MINIMUM WIRE SHALL BE #12 FOR BRANCH CIRCUIT RUNS UP TO 100' TO THE LAST OUTLET; OVER 100'—#10; OVER 150'—#8 AND INCREASE CONDUIT SIZE AS REQUIRED BY LOCAL ELECTRICAL CODE.
- ALL WIRING INSTALLATION SHALL BE COLOR CODED AS PER CODE. CONDUCTORS SIZED #10 AND LOWER SHALL BE SOLID; #8 AND HIGHER STRANDED.
- ALL WIRING DEVICES, PANEL BOARDS, ENCLOSURES, ETC., SHALL BE GROUNDED AS PER LOCAL ELECTRIC CODE.
- ALL WORK SHALL BE INSTALLED IN FULL ACCORDANCE WITH LOCAL CODES, STATE AND LOCAL AUTHORITIES. FILE ALL PLANS, OBTAIN ALL PERMITS, PAY ALL FEES, SCHEDULE ALL INSPECTIONS, MAKE ALL TESTS AND OBTAIN ALL APPROVALS REQUIRED. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL ELECTRIC CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. ALL COMPONENTS SHALL BE UL APPROVED AND LISTED.
- WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, SPECIFICATIONS, & LAWS & ORDINANCES, THE MOST STRINGENT SHALL APPLY.
- SUBMIT FOR APPROVAL, COMPLETE SHOP DRAWINGS, LIST OF MATERIALS AND DETAILED DATA OF EQUIPMENT GIVING THE MANUFACTURERS NAME, CATALOG NUMBER, SIZE, CAPACITY AND DIMENSIONS. NO EQUIPMENT SHALL BE INSTALLED OR FABRICATED WITHOUT OBTAINING APPROVAL.
- CIRCUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. CONDUITS AND CABLES SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
- THE QUANTITY AND SIZE OF WIRES AND CONDUIT SHOWN ON DRAWINGS AND WIRING DIAGRAMS REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS.
- ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-7".
- CONDUIT FOR WIRING CONCEALED IN FLOOR SLABS, OR BELOW GRADE SHALL BE 1" MINIMUM PVC.
- CONFIRM EXACT POWER REQUIREMENTS AND CONNECTION LOCATIONS FOR ALL EQUIPMENT PRIOR TO INSTALLATION WITH PLUMBING/HVAC AND GENERAL CONTRACTOR.
- WORK SHALL COORDINATE WITH THAT OF OTHER TRADES TO MINIMIZE CONFLICTS AND ELIMINATE INTERFERENCES.
- ALL WORK SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND THE CONTRACTOR SHALL KEEP HIS PORTION OF THE WORK CLEAN AND ORDERLY.
- ALL 20A; GFCI RECEPTACLES INSTALLED OUTDOORS IN WET OR DAMP LOCATIONS SHALL BE LISTED WEATHER-RESISTANT.
- PROVIDE RAIN-TIGHT WHILE IN USE COVERS ON ALL OUTDOOR GFCI RECEPTACLES.
- ALL EXTERIOR BOXES ARE TO BE NEMA-3R OR 4X.



1 POWER DISTRIBUTION ONE-LINE DIAGRAM

NTS

LIGHTING SCHEDULE GENERAL NOTES:

THE ELECTRICAL CONTRACTOR IS TO VERIFY THE VOLTAGE OF THE FIXTURES WITH THE CIRCUIT AVAILABLE PRIOR TO ORDERING.

MOUNTING HEIGHTS, MOUNTING OPTIONS, FINISHES AND OPTIONS ARE TO BE APPROVED AND COORDINATED WITH THE SITE CONTRACTOR, LIGHTING DESIGNER AND MANUFACTURER'S DETAILED DRAWINGS PRIOR TO ORDERING THE FIXTURES.

FIXTURES SHOWN ON MFGR'S DETAILS AND PLANS OVER-RIDE THOSE SHOWN ON THE ELECTRICAL PLAN. REVIEW BOTH PLANS AND PROVIDE THE LARGER QUANTITY OF EACH TYPE.

CLARIFICATION IS TO BE OBTAINED, PRIOR TO BID, REGARDING ANY QUESTIONS RELATED TO THE LIGHTING SYSTEM.

THE E.C. IS TO COMPLETE THE INSTALLATION OF ANY ADDITIONAL LIGHTING CONTROLS SUCH AS SENSORS, CONTROLS, ETC. THAT ARE INCLUDED WITH THE FIXTURE PACKAGE.

ALL LAMPING AND FIXTURE WHIPS ARE TO BE INCLUDED.

REFER TO LANDSCAPE DOCUMENTS FOR EXACT FIXTURE LOCATIONS — ARCHITECTURAL LOCATIONS OVER-RIDE THE LOCATIONS SHOWN ON THE ELECTRICAL PLANS.

COORDINATE ALL MOUNTING HARDWARE WITH DETAILS AND ELEVATIONS, PROVIDE MOUNTING HARDWARE REQUIRED.

LIGHTING FIXTURE & LAMP SCHEDULE

TYPE	MANUFACTURER	CATALOG No.	LAMP		WATTS	VOLTS	REMARKS
			No.	TYPE			
LT1	STERNBERG	1A—GL1970—F—BFS—24L30T2—MDL010—SV1—EZ / OAPT / 2918P5—,250 / BKT INCLUDE POLE AS SPECIFIED — HGT PER OWNER/ARCHITECT*	—	LED	62W	208	PATH LIGHT WITH POLE G.C. TO INSTALL POLE BASE PER STRUCTURAL. E.C. TO INCLUDE CONDUITS UP

INCLUDE ALL COORDINATION WITH POLE BASE AND WIRING/RACEWAYS WITHIN THE POLE THE POWER OUTLETS ARE TO BE INDEPENDENTLY MOUNTED/FED

JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

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One Boston Place  
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2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960



Kylie Zick Landscape Architecture, Inc.  
4228 Washington Street  
Boston, MA 02131  
617 451-1018 Tel  
www.kyiezick.com

STORMWATER CONTROL PERMIT

Job Number: 63224

Project: JERRY'S POND

Drawn By: AP

Checked By: AP

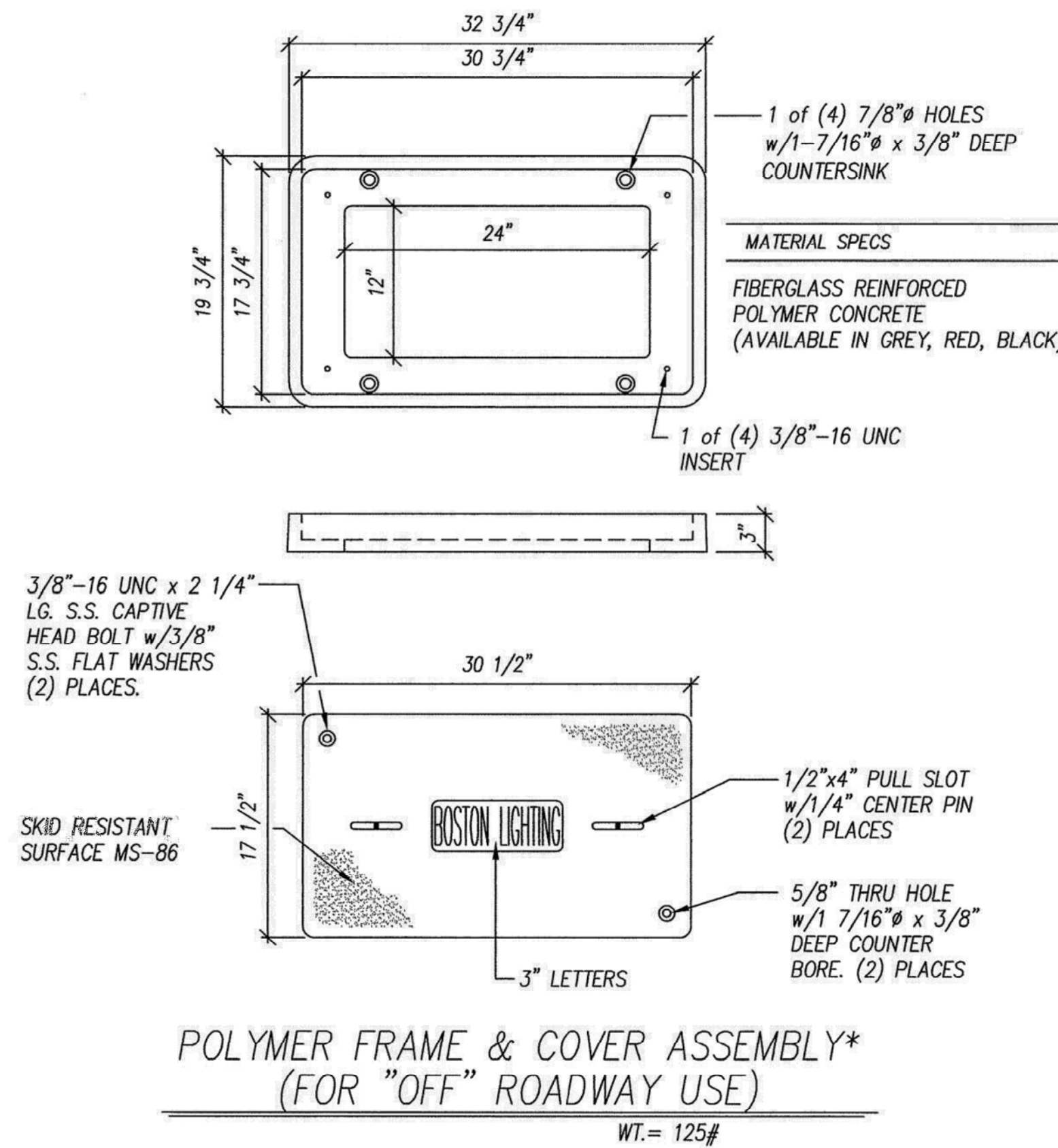
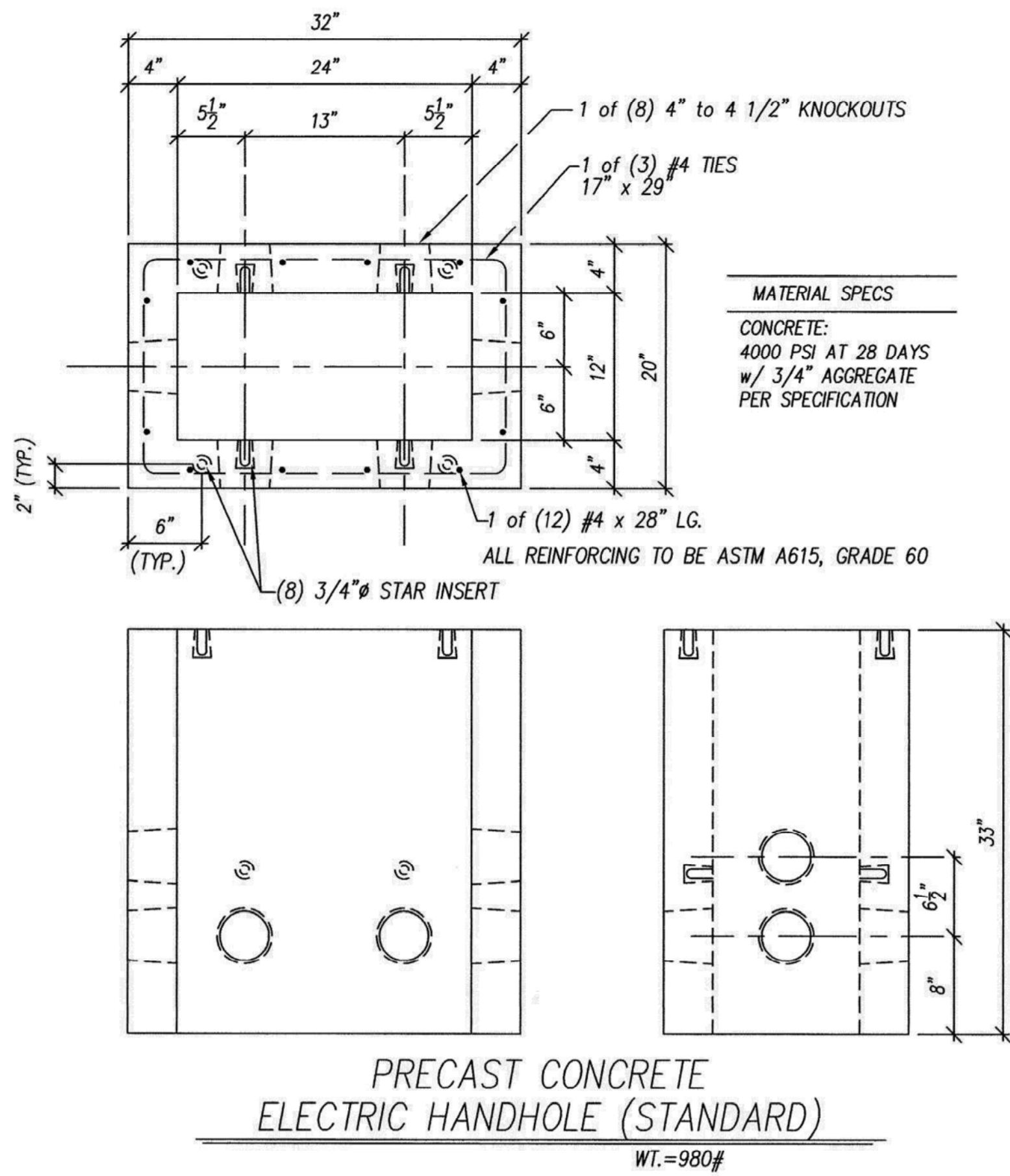
Date: MAY 14, 2024

Scale: 1"=40'-0"

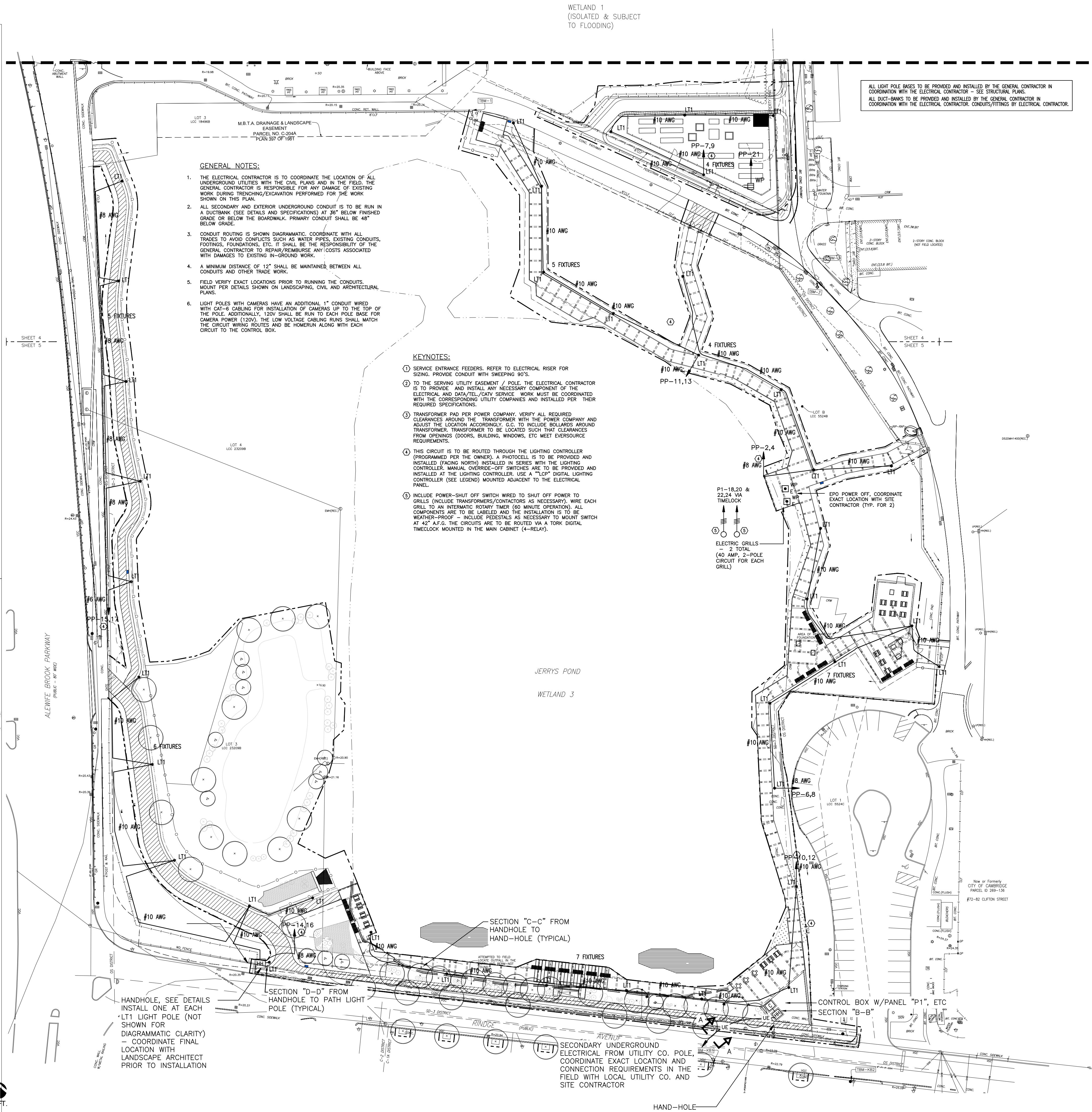
Drawing Title:

ELECTRICAL SITE LIGHTING PLAN



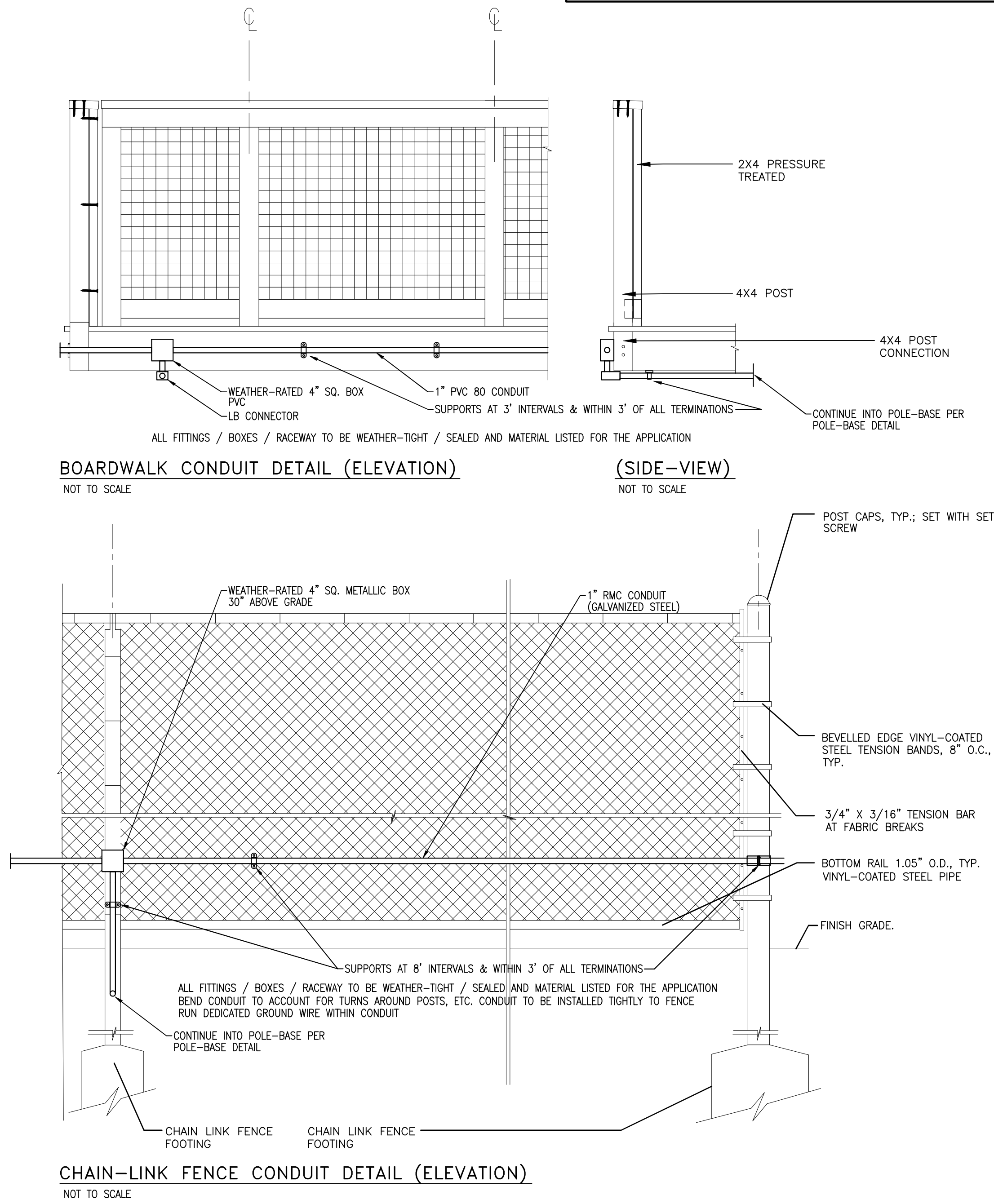
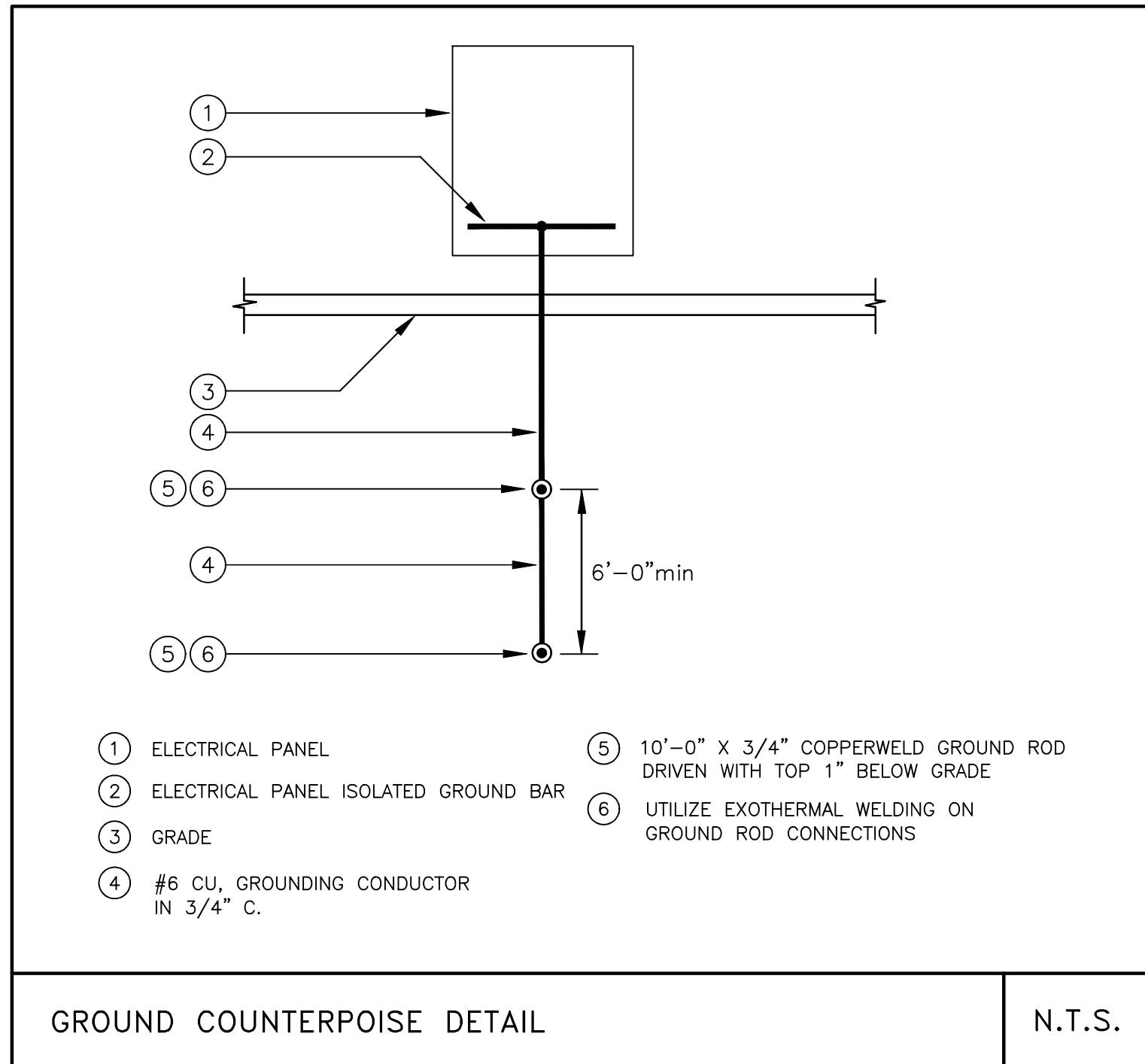
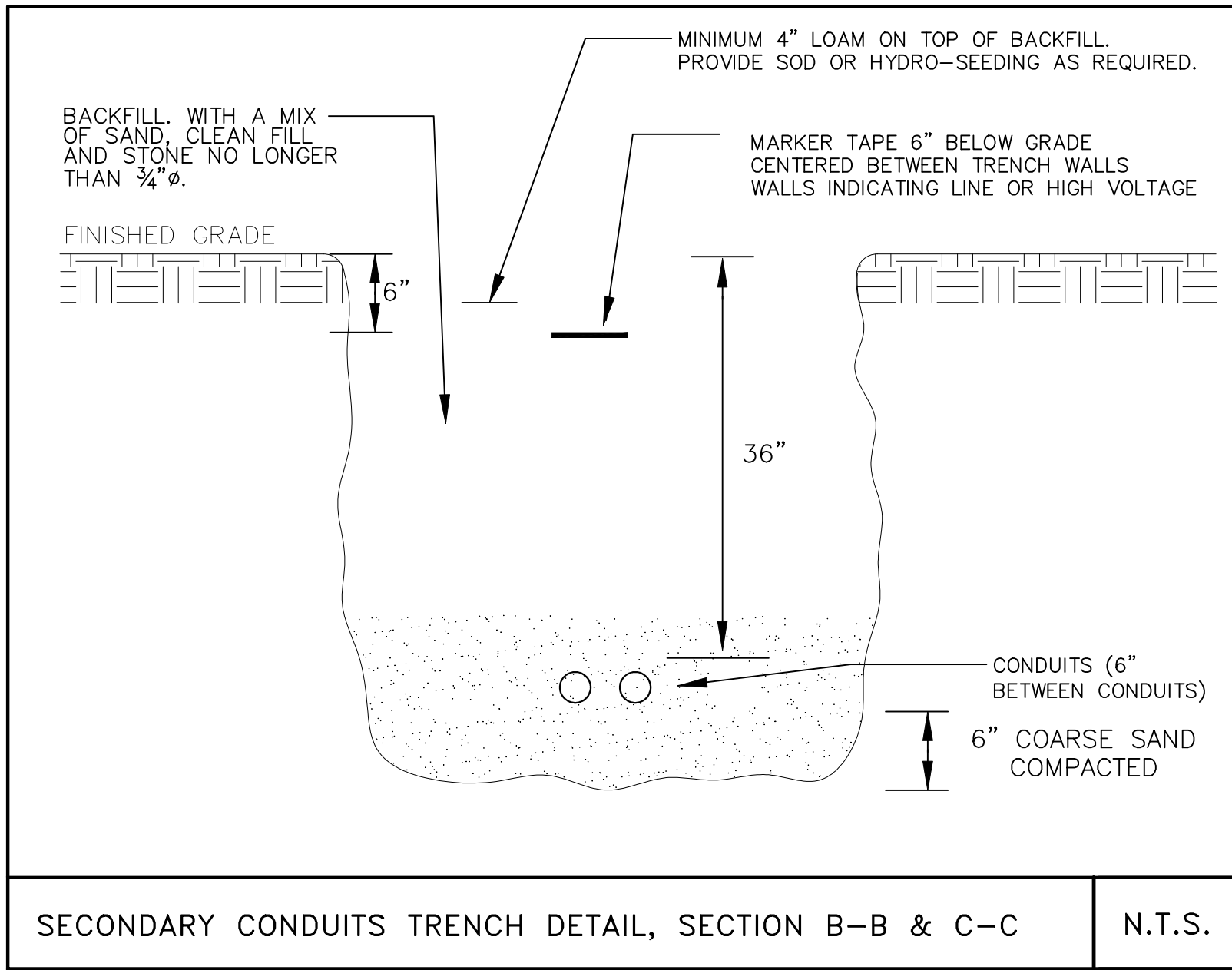
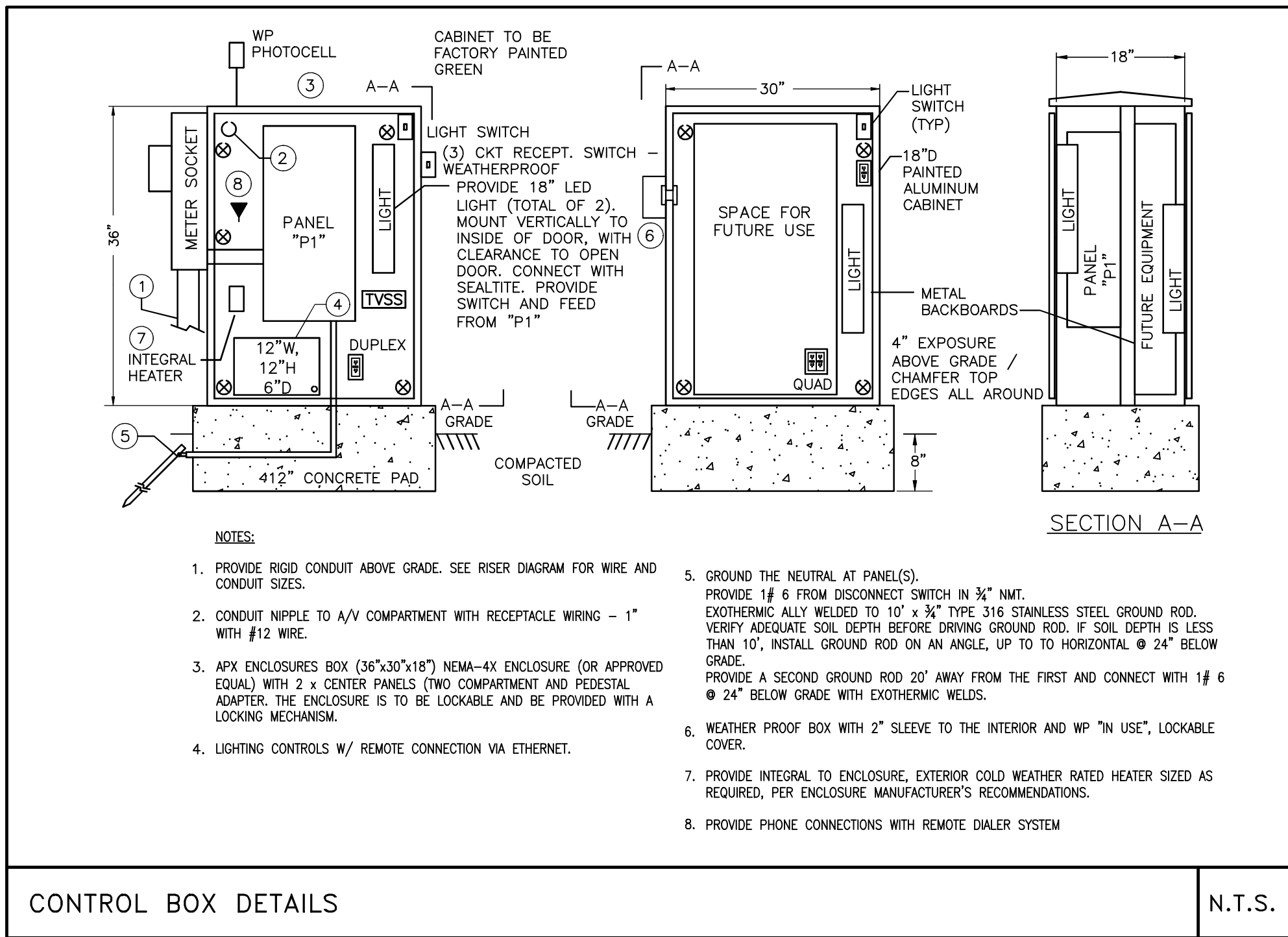
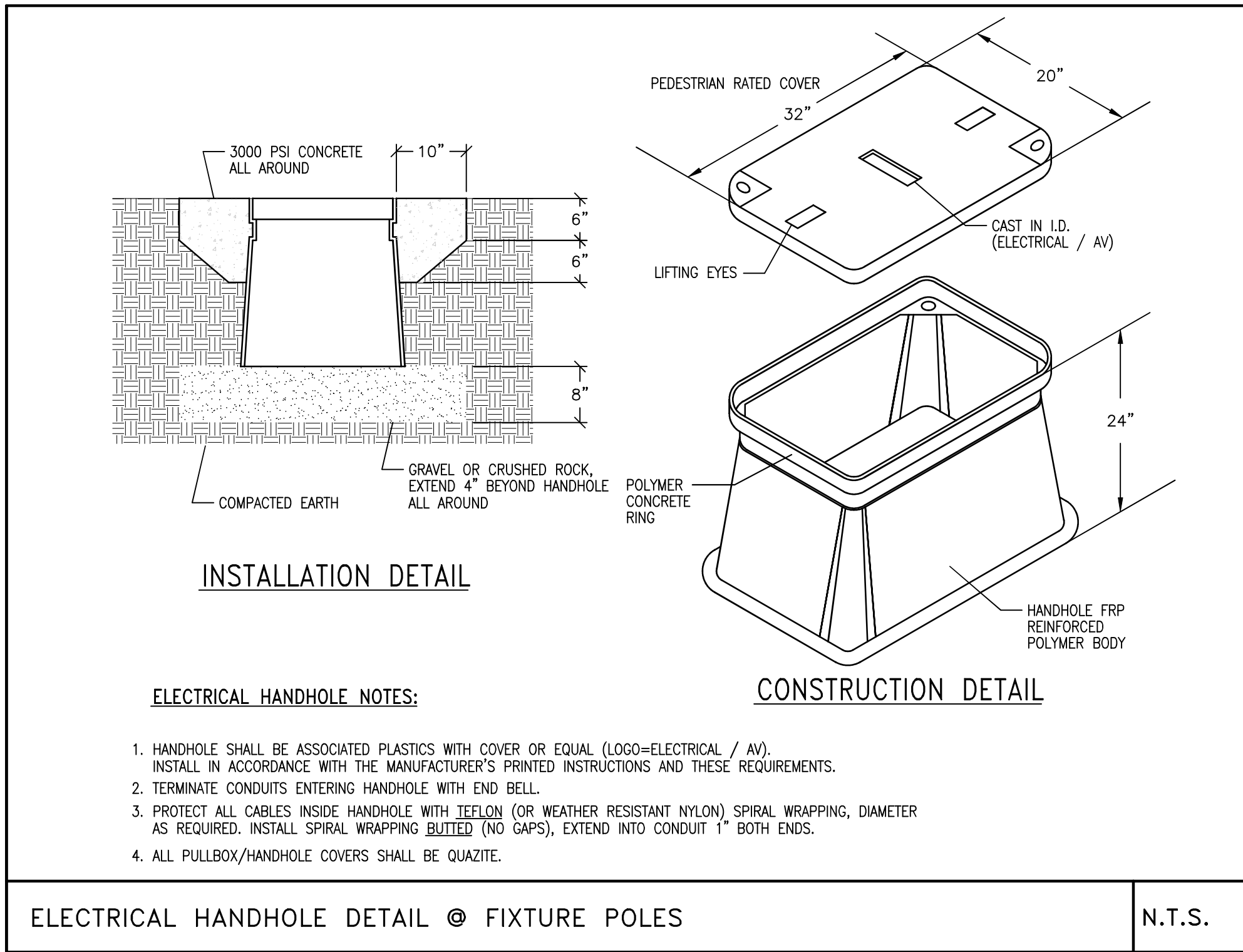


\*This assembly conforms to City of Boston Spec. CCFCCPB-100, Rev. 9/2006





Drawing File: Z:\Shorea\Projects (Low)\2023 (63xxx)\63220-29\63220 [Elec]\63220 - E01.dwg Plot Date: Jun 24, 2024 - 1:25pm



JERRY'S POND  
CAMBRIDGE, MASSACHUSETTS

PREPARED FOR:



One Boston Place  
201 Washington Street  
Suite 3920,  
Boston, MA 02108



NO.	REVISION	DATE



2 CENTENNIAL DRIVE  
SUITE 4D  
PEABODY, MA 01960

**kzla**  
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STORMWATER CONTROL PERMIT

Job Number: 63224

Project: JERRY'S POND

Drawn By: AP

Checked By: AP

Date: MAY 14, 2024

Scale: 1"=40'-0"

Drawing Title:

ELECTRICAL DETAILS

E02