

# TOWN OF ARLINGTON ARLINGTON RESERVOIR - PHASE 2

ARLINGTON, MASSACHUSETTS

## 100% DESIGN DEVELOPMENT SET

### DRAWING LIST

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L2.1 – L2.5	LAYOUT AND MATERIAL PLANS
L3.1 – L3.5	GRADING PLANS
L4.1 – L4.5	PLANTING PLANS
LD1.1 – LD1.9	LANDSCAPE DETAILS
C1.0	CIVIL DRAINAGE PLAN
C2.0	CIVIL DETAIL SHEETS
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2.0	PROPOSED AREAS OF PHASE1 BANK RESTORATION
3.0	BANK RESTORATION SECTIONS
4.0	BANK RESTORATION DETAILS
5.0	BANK RESTORATION DETAILS AND NOTES

### PREPARED BY:

#### LANDSCAPE ARCHITECT:

Kyle Zick Landscape Architecture, Inc.  
36 Bromfield Street, Suite 202  
Boston, MA 02108  
617-451-1018 Tel  
[www.kylezick.com](http://www.kylezick.com)

#### ARCHITECT:

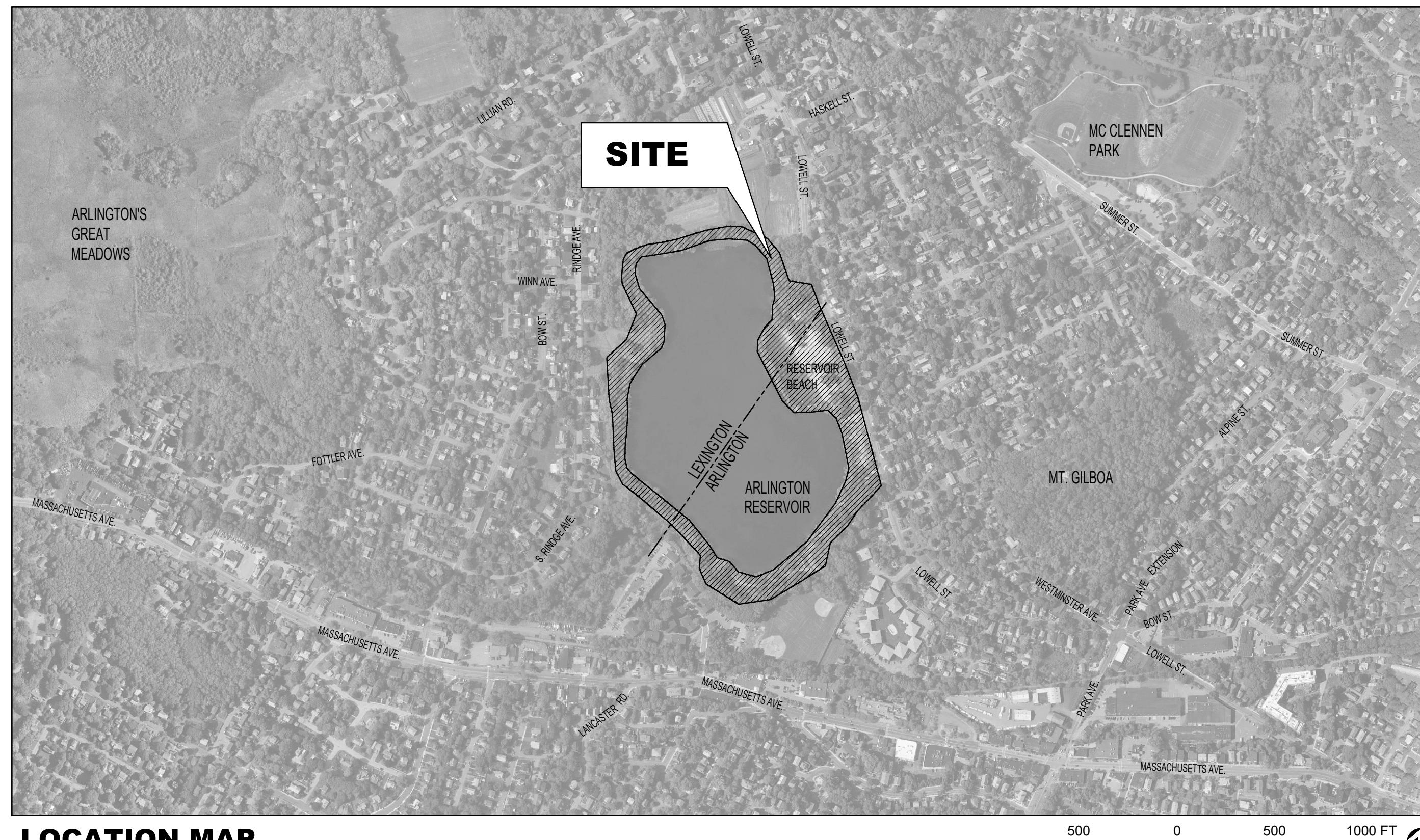
Bargmann Hendrie + Archetype, Inc.  
9 Channel Center Street #300, Boston, MA 02210  
617-350-0450 Tel  
617-350-0215 Fax

#### CIVIL ENGINEER:

Woodard & Curran, Inc.  
980 Washington Street #325, Dedham, MA 02026  
800-446-5518 Tel

#### ENVIRONMENTAL CONSULTING:

SWCA Environmental Consultants  
15 Research Drive, Amherst, MA 01002  
413-575-9883 Tel



**LOCATION MAP**  
**Lowell Street/Arlington Reservoir**  
**Arlington, MA**

ARLINGTON  
RESERVOIR -  
PHASE 2  
ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

NO. REVISION DATE  
**kzla**  
Kyle Zick Landscape Architecture, Inc.  
36 Bromfield Street Suite 202 617-451-1018 Tel  
Boston, MA 02108 [www.kylezick.com](http://www.kylezick.com)



100% DESIGN DEVELOPMENT SET

Job Number:  
Project: ARLINGTON RES.  
Drawn By: JL/MD/RB Checked By: KZ  
Date: NOVEMBER 13, 2020  
Scale: N/A  
Drawing Title:

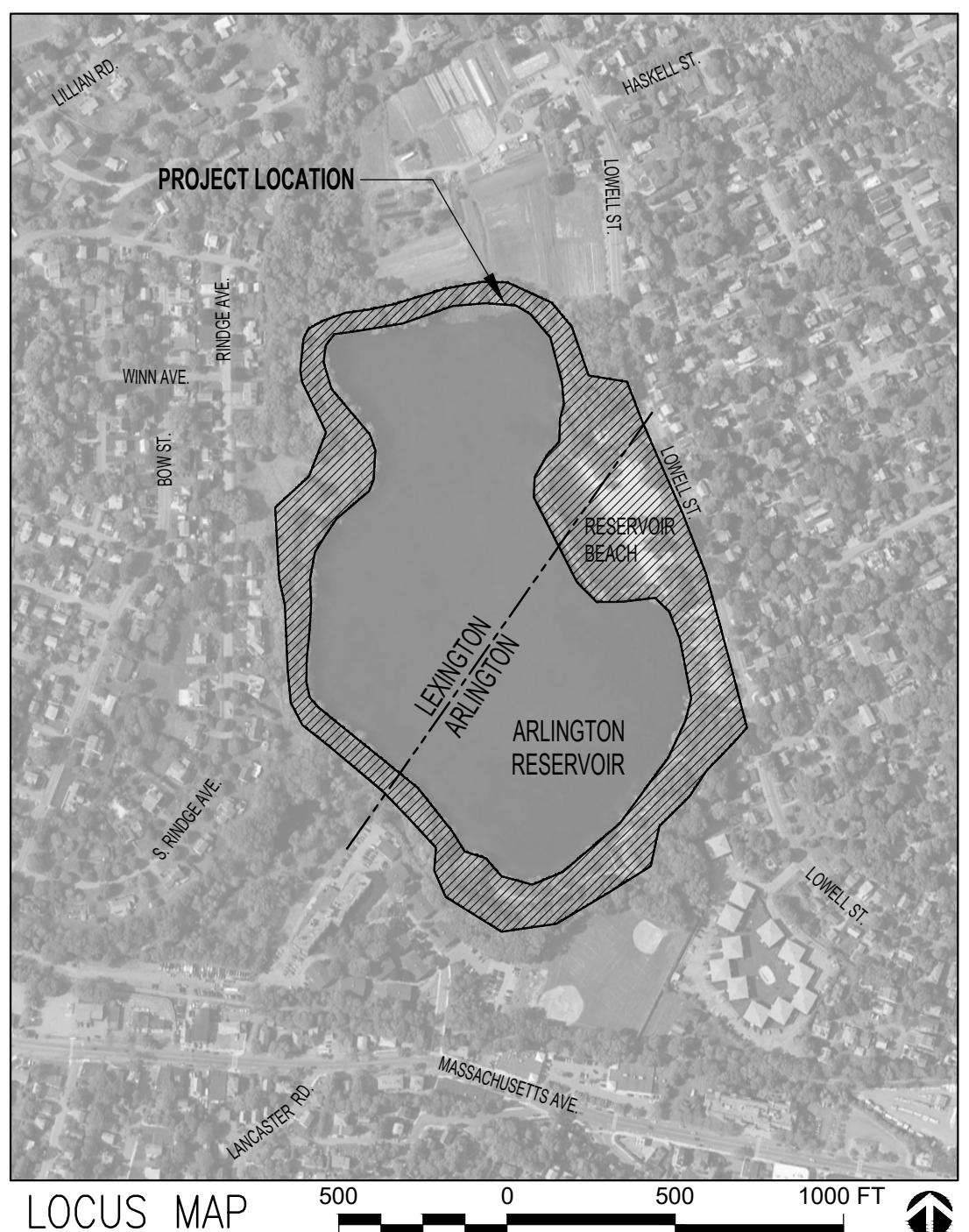
COVER SHEET

G

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON



**GENERAL NOTES:**

1. CONTRACTOR SHALL BE FAMILIAR WITH DRAWINGS AND SPECIFICATIONS BEFORE BIDDING
2. DRAWINGS SHALL SUPERSEDE SPECIFICATIONS FOR ANY DISCREPANCIES
3. CONTRACTOR SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL CODES, INCLUDING CMRS21/ADA.
4. NO SMOKING IS ALLOWED WITHIN THE PARK AT ANY TIME
5. SURVEY WAS PERFORMED BY WESTON & SAMPSON ENGINEERS, INC. OF ALBANY, NY WAS UNDERTAKEN IN DECEMBER 2017
6. PER THE STORMWATER POLLUTION PREVENTION PLAN (DATED 11/9/2020), THE CONTRACTOR CAN NOT DISTURB MORE THAN 5 ACRES AT ANY GIVEN TIME.

**LEGEND**

- APPROXIMATE TOP OF BANK
- - - - - 100' TOP OF BANK BUFFER
- - - - - 200' RIVERFRONT AREA

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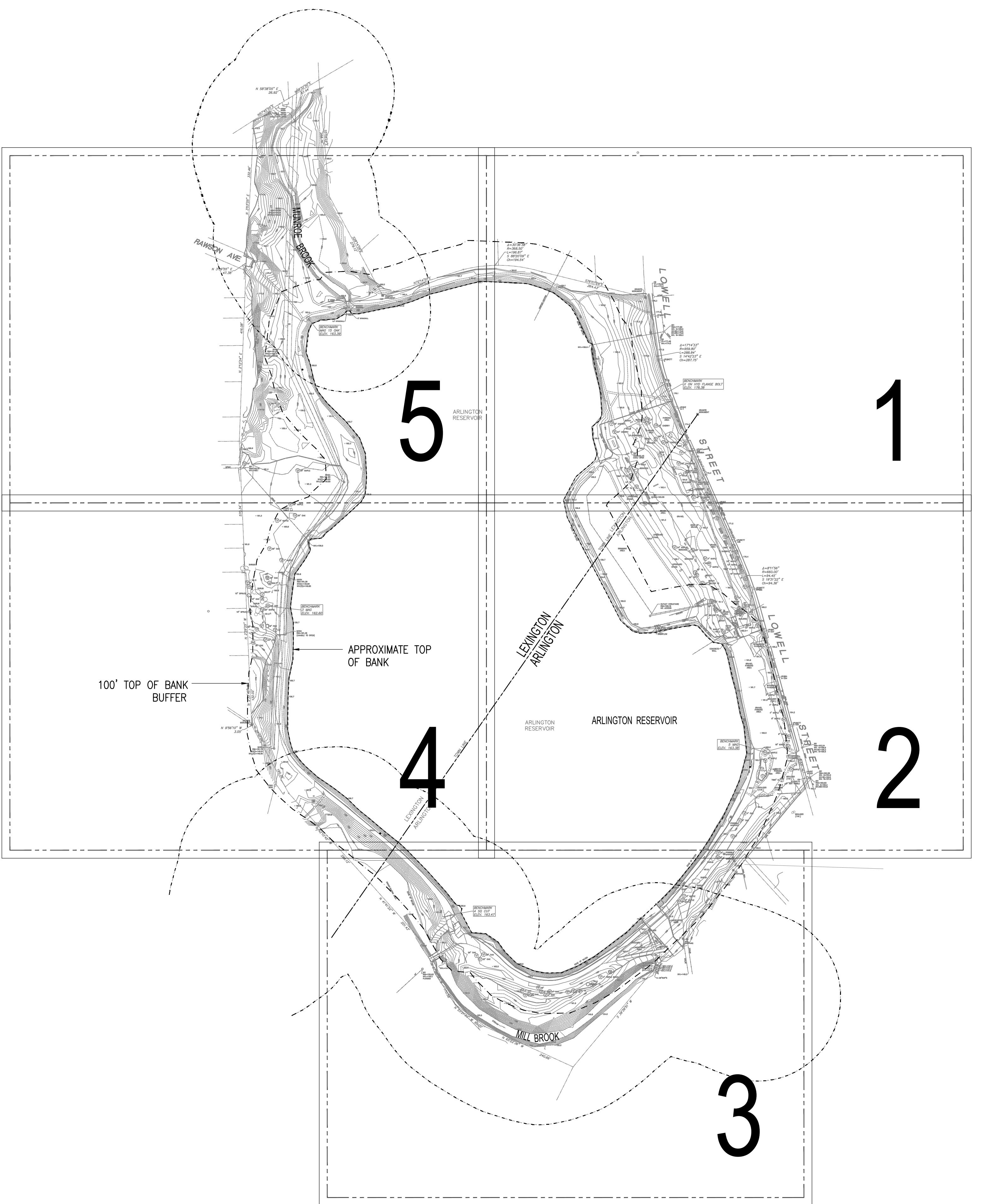
Date: NOVEMBER 13, 2020

Scale: AS SHOWN

Drawing Title:

KEY PLAN

L0



150 0 150 300 FT

**ARLINGTON, MASSACHUSETTS**

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**TOWN OF ARLINGT**

MATCH | INF SHEET | -15

## LEGEND

LEGEND			
	L.O.W.	LIMIT OF WORK	
		CONSTRUCTION FENCE	
		TREE PROTECTION -FENCING, TYP.	24"  REMOVE TREE OR SHRUB, TYP. (SIZE, DBH)
		TREE PROTECTION -WOOD BOARD, TYP.	24"  REMOVE INVASIVE TREE OR SHRUB (SIZE, DBH)
		EROSION CONTROL -COMPOST SOCK, TYP.	24"  PRUNE TREE, (SIZE, DBH)
		SAWCUT LINE, TYP.	R&D REMOVE AND DISPOSE
		SILT SACK INLET PROTECTION	R&S REMOVE AND STOCKPILE
		LIGHT POST TO REMAIN AND BE PROTECTED, TYP.	R&R REMOVE AND RESET
		INVASIVE MANAGEMENT AREA	NOTE:
		GRANITE MILE MARKER	<ol style="list-style-type: none"> <li>1. PROTECT STOCKPILED MATERIALS DURING CONSTRUCTION</li> <li>2. ALL GRANITE BENCHES TO BE R&amp;S FOR REUSE ON SITE; ALL GRANITE MILE MAKERS TO BE R&amp;R</li> <li>3. ALL WOOD SIGN POSTS, UNLESS OTHERWISE DESIGNATED, TO BE R&amp;R</li> </ol>
		APPROXIMATE TOP OF BANK	
		100' TOP OF BANK BUFFER	
		200' RIVERFRONT AREA	REMOVE AND DISPOSE 10" OF STONE DUST AND GRAVEL BASE
			REMOVE AND DISPOSE ASPHALT, TYP.
			REMOVE AND DISPOSE GRAVEL, TYP.
			STRIP AND STOCKPILE LOAM, TYP.
			CLEAR AND GRUB, TYP.
			AIRSPADE EXISTING PATH, TYP.
			EXCAVATE 9" OF EX. PATH, TYP. OR FOR PROPOSED PATH, TYP.
			SCARIFY STONEDUST PATH, TYP.

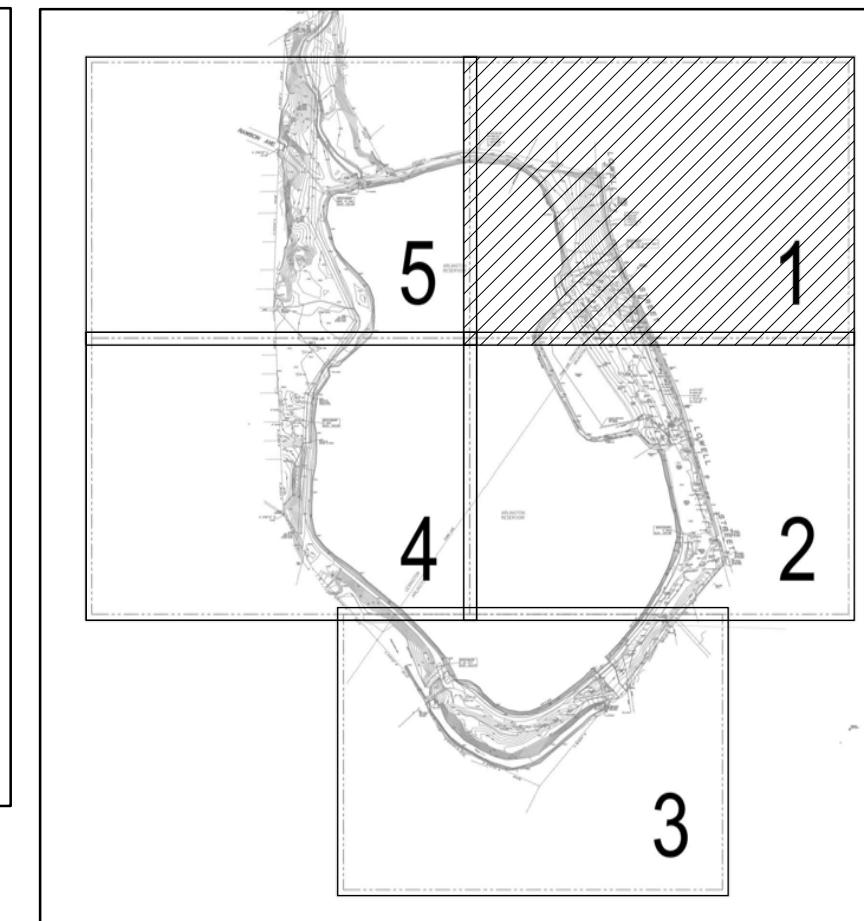
## SITE PREPARATION AND DEMOLITION NOTES:

- 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.
  - PRIOR TO COMMENCING EARTHWORK, EROSION & SEDIMENTATION CONTROLS MUST BE IN PLACE, INCLUDING BUT NOT LIMITED TO COMPOST SOCKS AND SILT SACKS.
  - 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.
  - 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.
  - 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.
  - 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.
  - ALL MATERIALS THAT ARE TO BE STORED & STOCKPILED ON SITE THAT ARE LOOSE AND MAY WASH WITH RAIN EVENTS, ARE TO BE COVERED WITH A TARP AND/OR SURROUNDED WITH EROSION & SEDIMENT CONTROLS.
  - AT ALL LOCATIONS WHERE CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
  - BEFORE ANY TREE CLEARING OR PRUNING IS DONE, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE LANDSCAPE ARCHITECT AND TREE WARDEN TO IDENTIFY TREES WHICH ARE TO BE PRUNED, PROTECTED OR REMOVED. DO NO CLEARING OR PRUNING WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND PLANTS DESIGNATED TO REMAIN FOR THE LENGTH OF THE CONSTRUCTION PERIOD. PROTECTION TO INCLUDE TRUNK, ROOTS, AND OVERHEAD BRANCHES. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION.
  - DAMAGE NO PLANTS TO REMAIN BY BURNING, PUMPING OF WATER, 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.
  - 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.
  - THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS THAT ARE DUE TO CONTRACTOR OPERATIONS.
  - THE GENERAL CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW 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
  - THE GENERAL CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
  - 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.
  - CONTRACTOR SHALL SECURE ALL PERMITS THAT MAY BE REQUIRED FROM ALL JURISDICTIONS AFFECTED BY THIS WORK.
  - CONTRACTOR'S EQUIPMENT AND VEHICLES SHALL BE PARKED ON PAVED SURFACES ONLY. NO PARKING ON TURF OR SAND AREAS.
  - CONTRACTOR CAN REQUEST TO UTILIZE ADDITIONAL STAGING AREAS WITHIN THE LIMIT OF WORK. ALL STAGING AREAS, AS SHOWN ON THE PLANS OR ADDITIONAL AREAS REQUESTED BY THE CONTRACTOR, SHALL PROVIDE PROTECTION OF THE GROUND PER THE SPECIFICATIONS. NO ADDITIONAL COST CAN BE REQUESTED FOR ADDITIONAL STAGING AREAS.
  - WITHIN THE LIMIT OF WORK, CONTRACTOR SHALL IDENTIFY ALL TREE LIMBS LOWER THAN 10' ABOVE THE GROUND SURFACE THAT MAY BE VULNERABLE TO EQUIPMENT DAMAGE. NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK BENEATH ANY OF THESE LIMBS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO TREE LIMBS THAT ARE DUE TO CONTRACTOR OPERATIONS.
  - CONTRACTOR TO CLEAN ALL DRAINAGE STRUCTURES WITHIN LIMIT OF WORK BEFORE SITE WORK BEGINS, AND AT THE END OF THE PROJECT. CONTRACTOR TO PROVIDE SILT SACKS FOR ALL CATCH BASINS WITHIN LIMIT OF WORK. CONTRACTOR TO CLEAN ALL DRAINAGE PIPES CONNECTED TO ALL CATCH BASINS THAT ARE WITHIN THE LIMIT OF WORK.

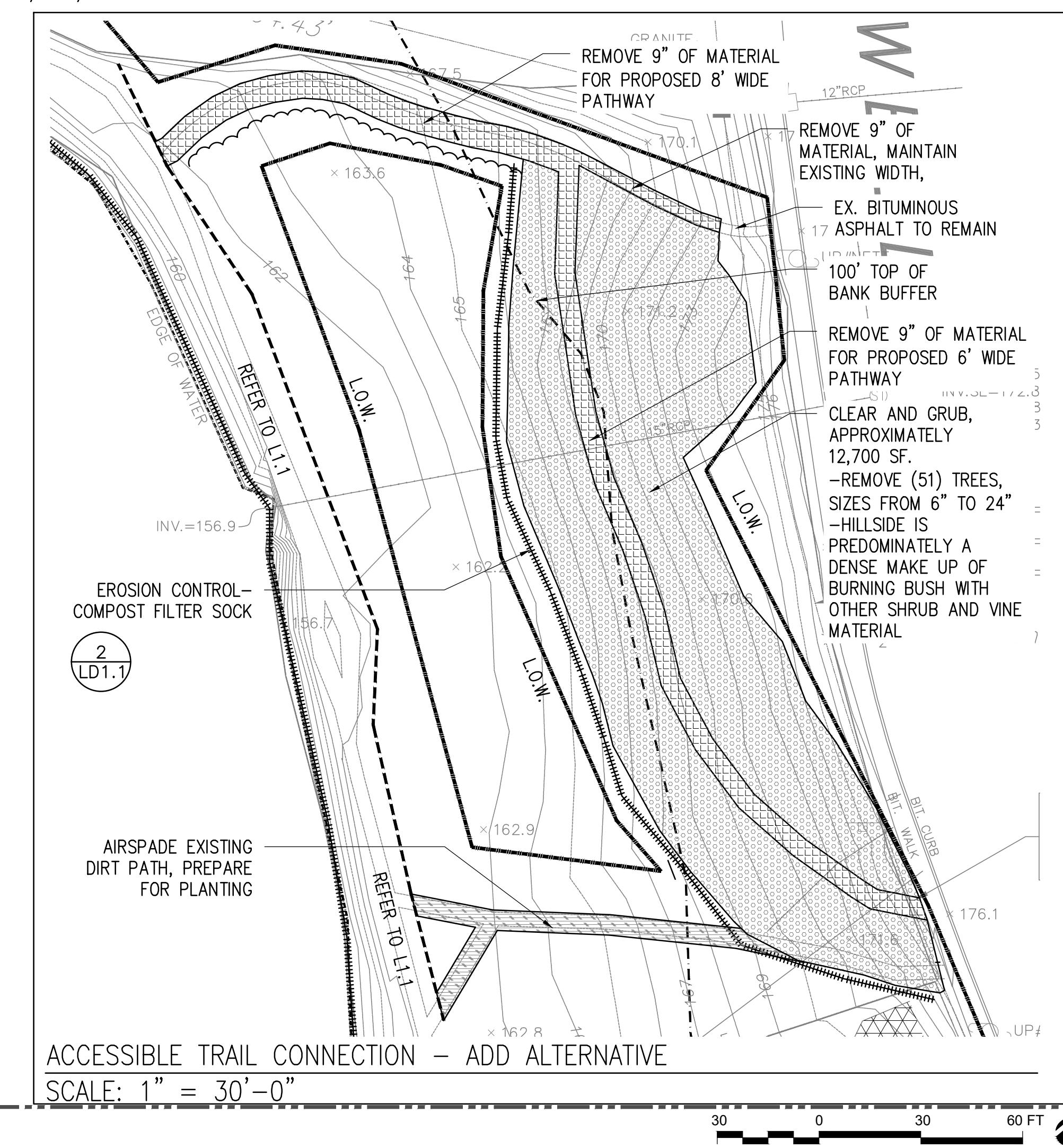
## ARLINGTON TREE REMOVAL AND REPLACEMENT POLICY:

1. REMOVAL OF A 3-8" DBH TREE SHALL BE REPLACED WITH (1) TREE
  2. REMOVAL OF A 9-20" DBH TREE SHALL BE REPLACED WITH (2) TREES
  3. REMOVAL OF A 21"+ DBH TREE SHALL BE REPLACED WITH (3) TREES
  4. TOTAL PROPOSED TREES TO REMOVE:

3-8"	=	11 TREES
9-20"	=	9 TREES
<u>21"+</u>	=	<u>5 TREES</u>
<u>TOTAL</u>	=	<u>44 TREES</u>



KEY PLAN



The image shows a logo consisting of the lowercase letters "kzla" in a bold, black, sans-serif font. The letter "l" is stylized with a horizontal bar extending to the right. Below the logo, the company name "Kyle Zick Landscape Architecture, Inc." is written in a smaller, black, sans-serif font. Underneath the company name, the address "36 Bromfield Street Suite 202 Boston, MA 02108" is listed, followed by the phone number "617 451" and the website "www.kzla.com".

100% DESIGN DEVELOPMENT SET

**Job Number:**

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**Project:** ARLINGTON RES.

Drawn By: JL/MD/RB      Checked By: KZ

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**Date:** NOVEMBER 13, 2020

**Scale:** 1"=40'-0"

**Drawing Title:**

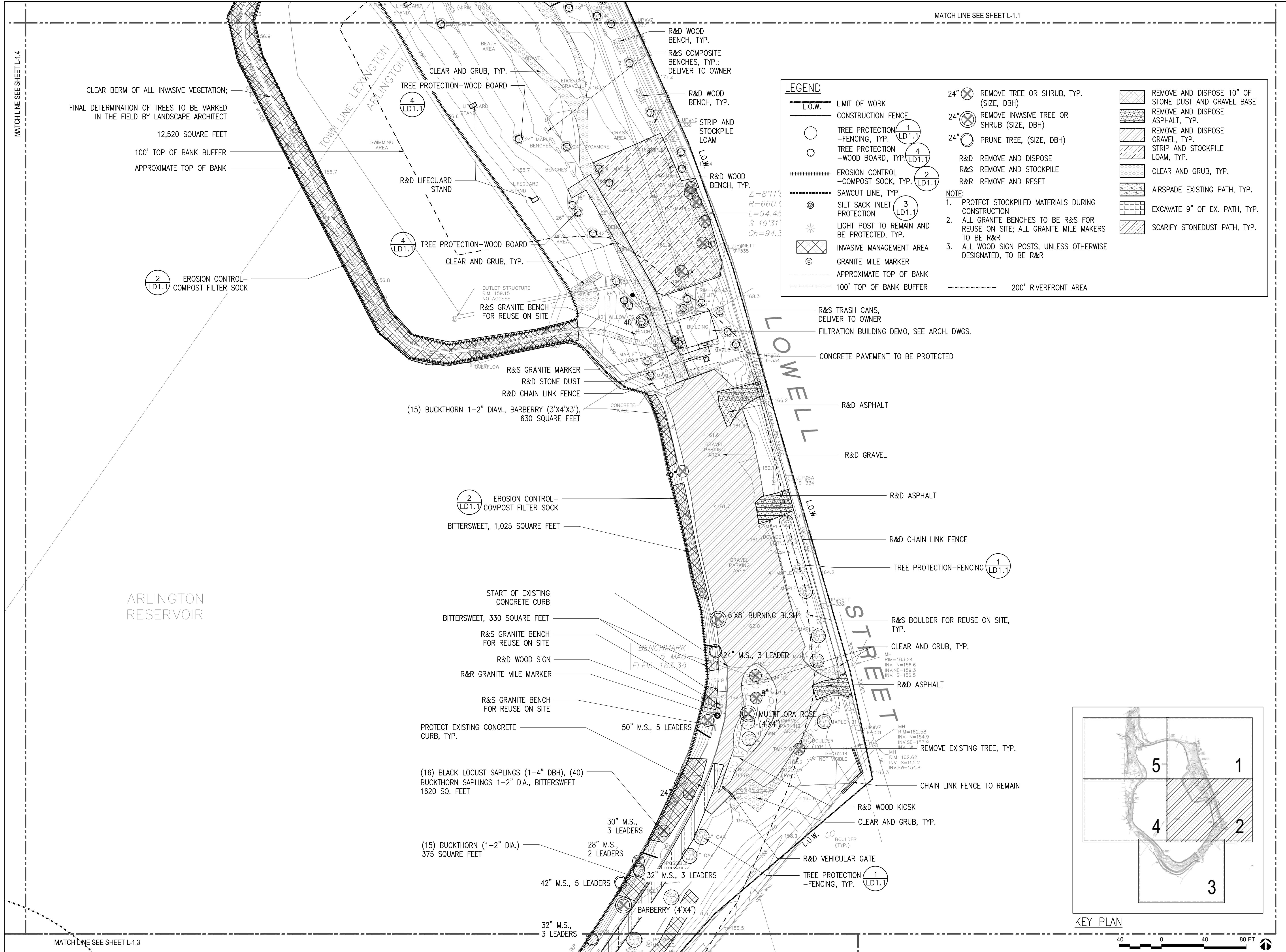
#### SITE PREPARATION AND DEMO PLANS

L1.1

**ARLINGTON  
RESERVOIR -  
PHASE 2**

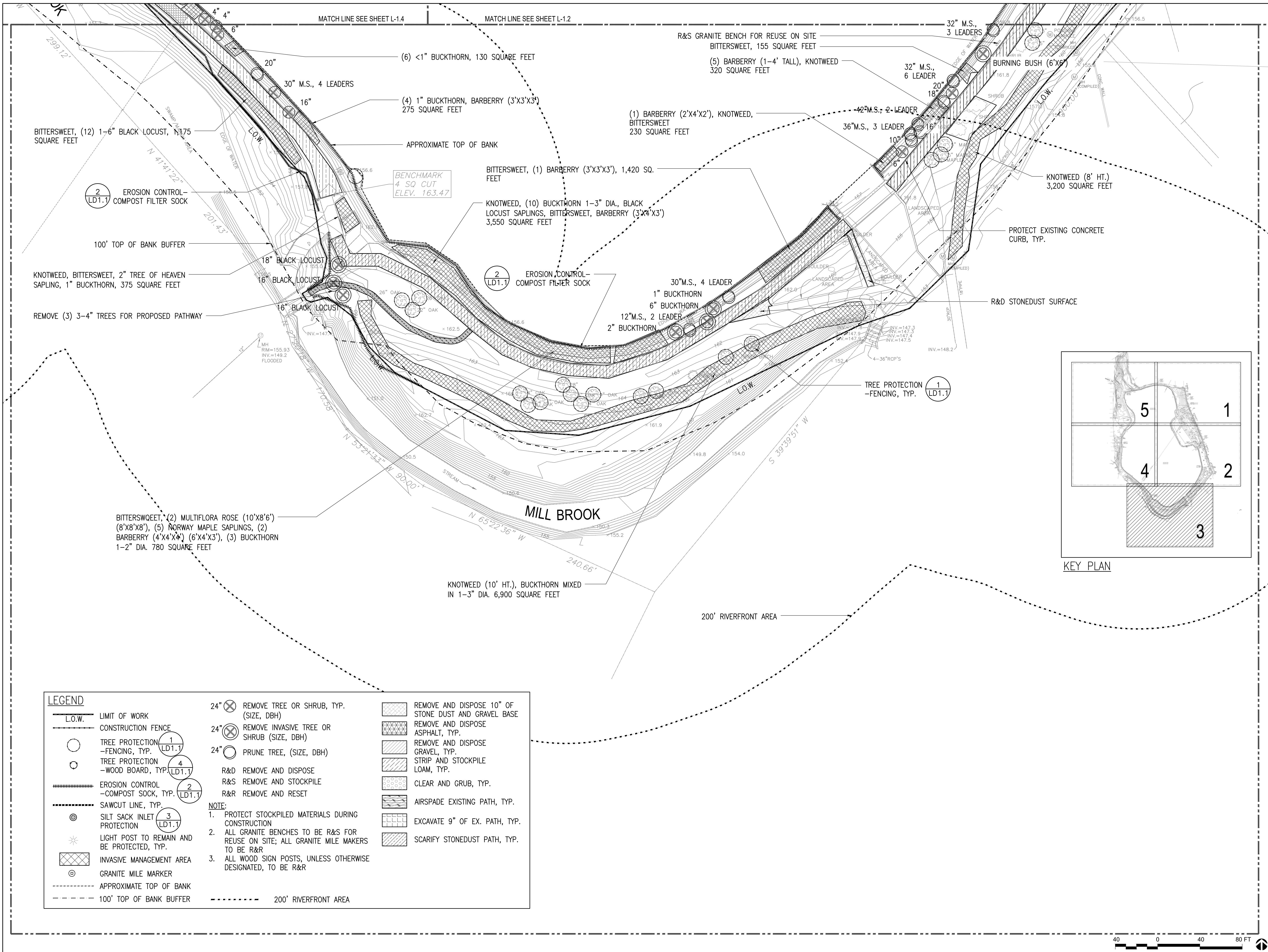
ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON



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Drawing Title:

SITE PREPARATION AND DEMO PLAN

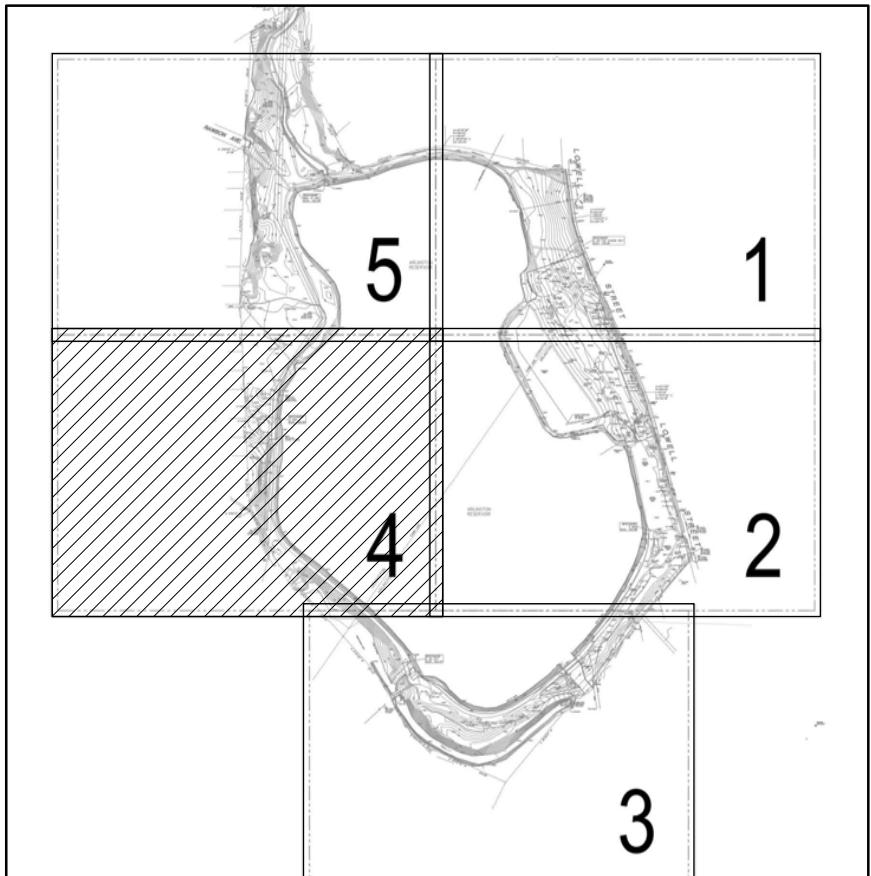
**L1.3**

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS

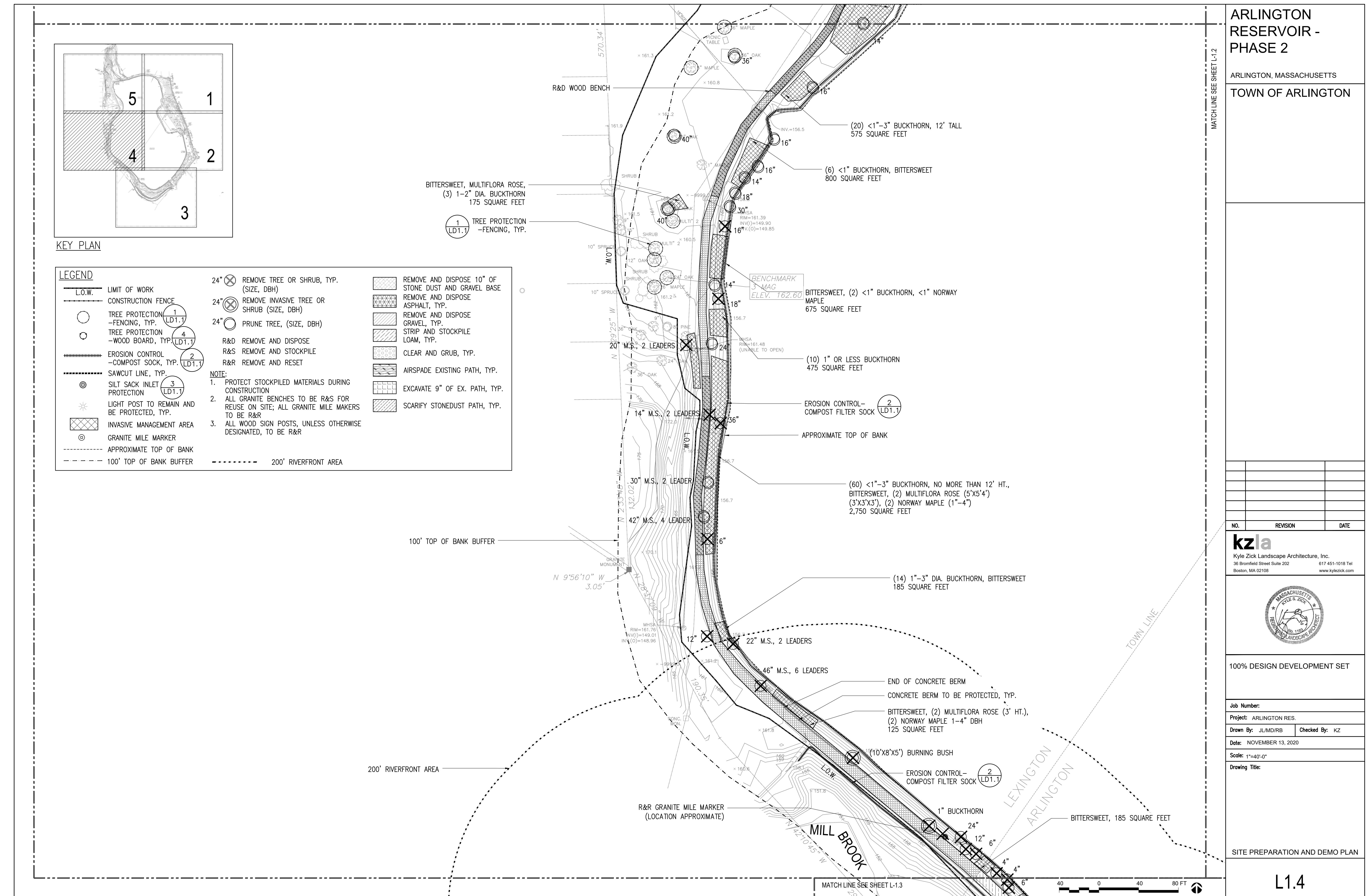
TOWN OF ARLINGTON

MATCH LINE SEE SHEET L-1.2



KEY PLAN

LEGEND	
L.O.W.	LIMIT OF WORK
CONSTRUCTION FENCE	24" X REMOVE TREE OR SHRUB, TYP. (SIZE, DBH)
TREE PROTECTION 1 -FENCING, TYP.	24" X REMOVE AND DISPOSE 10" OF STONE DUST AND GRAVEL BASE
TREE PROTECTION 4 -WOOD BOARD, TYP.	24" X REMOVE AND DISPOSE ASPHALT, TYP.
EROSION CONTROL -COMPOST SOCK, TYP.	24" O PRUNE TREE, (SIZE, DBH)
SAWCUT LINE, TYP.	R&D REMOVE AND DISPOSE
SILT SACK INLET 3 PROTECTION	R&S REMOVE AND STOCKPILE
LIGHT POST TO REMAIN AND BE PROTECTED, TYP.	R&R REMOVE AND RESET
INVASIVE MANAGEMENT AREA	NOTE:
GRANITE MILE MARKER	1. PROTECT STOCKPILED MATERIALS DURING CONSTRUCTION
APPROXIMATE TOP OF BANK	2. ALL GRANITE BENCHES TO BE R&S FOR REUSE ON SITE; ALL GRANITE MILE MAKERS TO BE R&R
100' TOP OF BANK BUFFER	3. ALL WOOD SIGN POSTS, UNLESS OTHERWISE DESIGNATED, TO BE R&R
200' RIVERFRONT AREA	



L1.4

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SITE PREPARATION AND DEMO PLAN

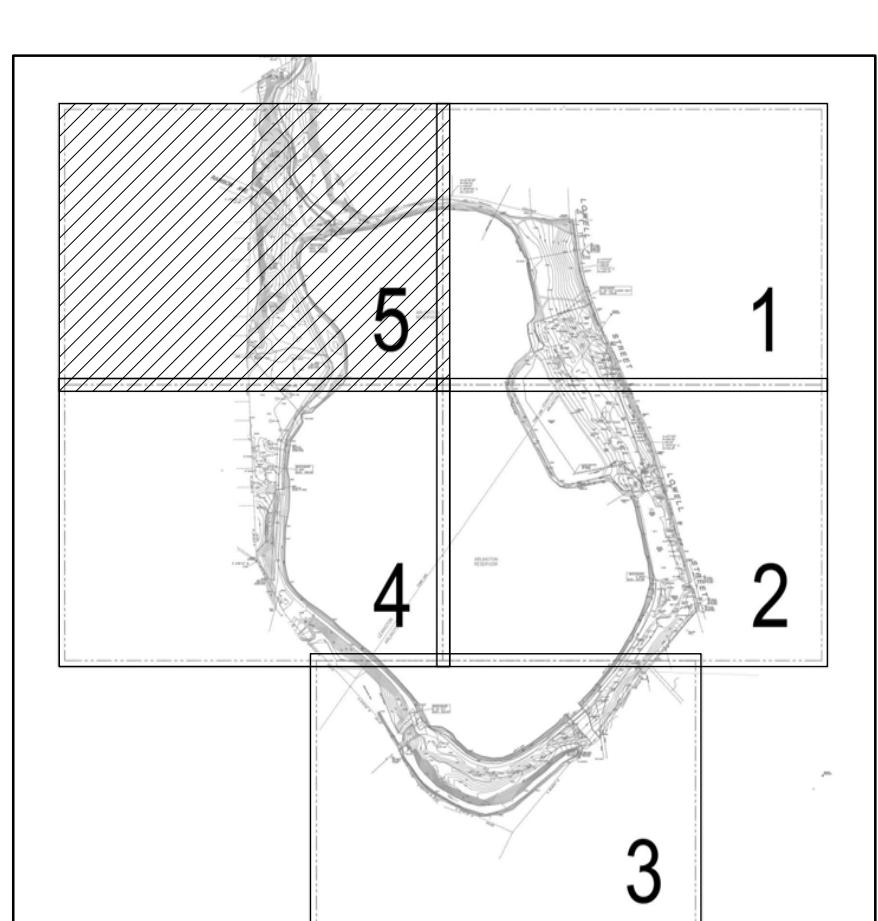
# ARLINGTON RESERVOIR - PHASE 2

ARLINGTON, MASSACHUSETTS

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TOWN OF ARLINGTON

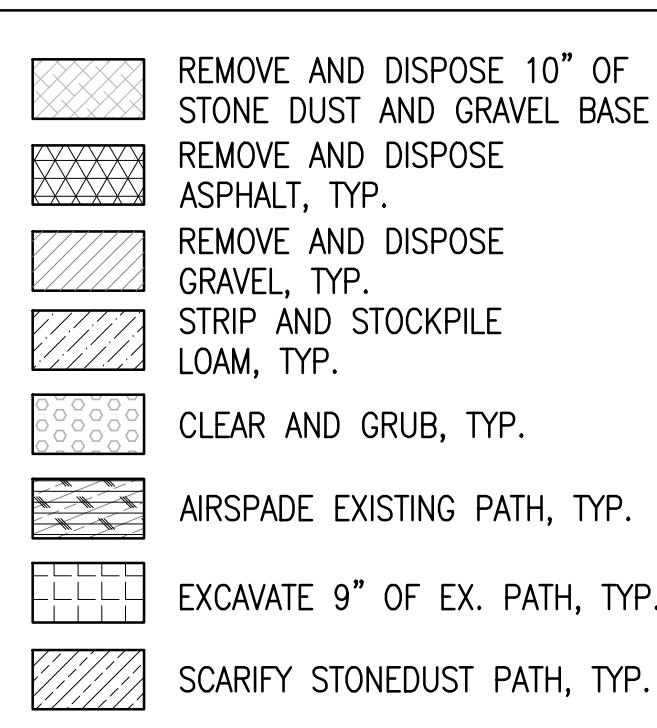
MATCH LINE SEE SHEET L-1.1

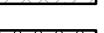
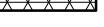
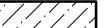
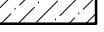


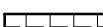
## KEY PLAN

## LEGEND

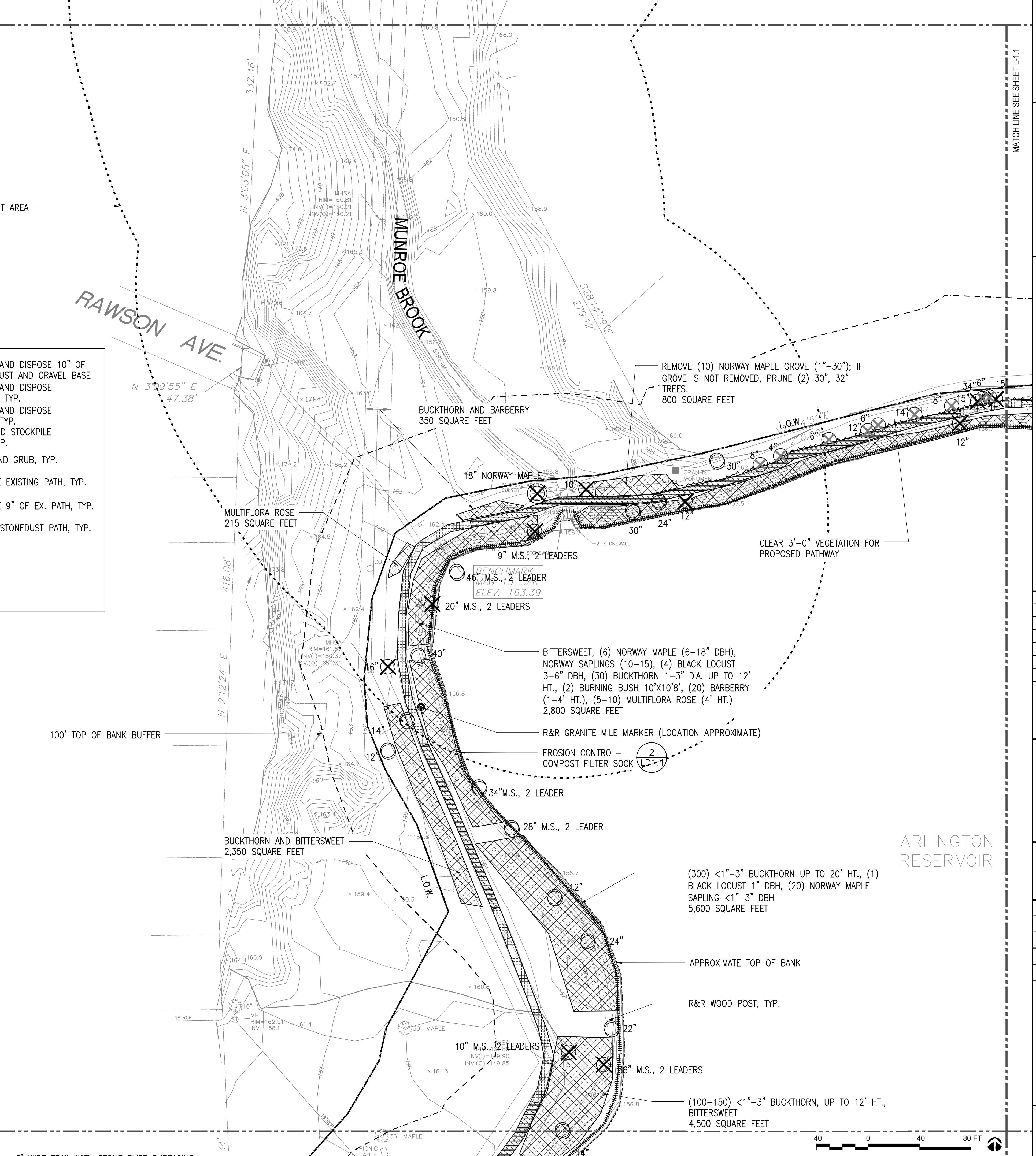
- |              |  |
|--------------|--|
| L.O.W.       | LIMIT OF WORK  |
| -----        | CONSTRUCTION FENCE   |
| ○            | TREE PROTECTION<br>-FENCING, TYP.  |
| ○            | TREE PROTECTION<br>-WOOD BOARD, TYP.   |
| *****        | EROSION CONTROL<br>-COMPOST SOCK, TYP.   |
| -----        | SAWCUT LINE, TYP.  |
| ○            | SILT SACK INLET<br>PROTECTION  |
| ○            | LIGHT POST TO REMAIN AND<br>BE PROTECTED, TYP.   |
| ██████████   | INVASIVE MANAGEMENT AREA   |
| ○            | GRANITE MILE MARKER  |
| -----        | APPROXIMATE TOP OF BANK  |
| -----        | 100' TOP OF BANK BUFFER  |
| -----        | 200' RIVERFRONT AREA   |
| 24           | REMOVE TREE OR SHRUB, TYP.<br>(SIZE, DBH)  |
| 24"          | REMOVE INVASIVE TREE OR<br>SHRUB (SIZE, DBH)   |
| 24"          | PRUNE TREE, (SIZE, DBH)  |
| R&D          | REMOVE AND DISPOSE   |
| R&S          | REMOVE AND STOCKPILE   |
| R&R          | REMOVE AND RESET   |
| <u>NOTE:</u> |  |
| 1.           | PROTECT STOCKPILED MATERIALS DURING<br>CONSTRUCTION                                    |
| 2.           | ALL GRANITE BENCHES TO BE R&S FOR<br>REUSE ON SITE; ALL GRANITE MILE MAKE<br>TO BE R&R |
| 3.           | ALL WOOD SIGN POSTS, UNLESS OTHERWISE<br>DESIGNATED, TO BE R&R                         |



24" 	REMOVE TREE OR SHRUB, TYP. (SIZE, DBH)		REMOVE AND DISPOSE 10" OF STONE DUST AND GRAVEL BASE
24" 	REMOVE INVASIVE TREE OR SHRUB (SIZE, DBH)		REMOVE AND DISPOSE ASPHALT, TYP.
24" 	PRUNE TREE, (SIZE, DBH)		REMOVE AND DISPOSE GRAVEL, TYP.
R&D	REMOVE AND DISPOSE		STRIP AND STOCKPILE LOAM, TYP.
R&S	REMOVE AND STOCKPILE		CLEAR AND GRUB, TYP.
R&R	REMOVE AND RESET		AIRSPADE EXISTING PATH, TYP.
<u>NOTE:</u>			EXCAVATE 9" OF EX. PATH, TYP.
1. PROTECT STOCKPILED MATERIALS DURING CONSTRUCTION			SCARIFY STONEDUST PATH, TYP.
2. ALL GRANITE BENCHES TO BE R&S FOR REUSE ON SITE; ALL GRANITE MILE MAKERS TO BE R&R			
3. ALL WOOD SIGN POSTS, UNLESS OTHERWISE DESIGNATED, TO BE R&R			

<p><u>NOTE:</u></p> <ol style="list-style-type: none"> <li>1. PROTECT STOCKPILED MATERIALS DURING CONSTRUCTION</li> <li>2. ALL GRANITE BENCHES TO BE R&amp;S FOR REUSE ON SITE; ALL GRANITE MILE MAKERS TO BE R&amp;R</li> <li>3. ALL WOOD SIGN POSTS UNLESS OTHERWISE</li> </ol>		EXCAVATE 9" OF EX. PATH, TYP.
		SCARIFY STONEDUST PATH, TYP.

200' RIVERFRONT AREA



NO.	REVISION	DAT
kzla	Kyle Zick Landscape Architecture, Inc. 36 Bromfield Street Suite 202 Boston, MA 02108	617 451-1018 <a href="http://www.kylezick.com">www.kylezick.com</a>

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**Date:** NOVEMBER 13, 2020

**Scale:** 1"=40'-0"

**Drawing Title:**

SITE PREPARATION AND DEMO PLAN

L15

MATCH LINE SEE SHEET L-2.5

## LEGEN

NOTE:

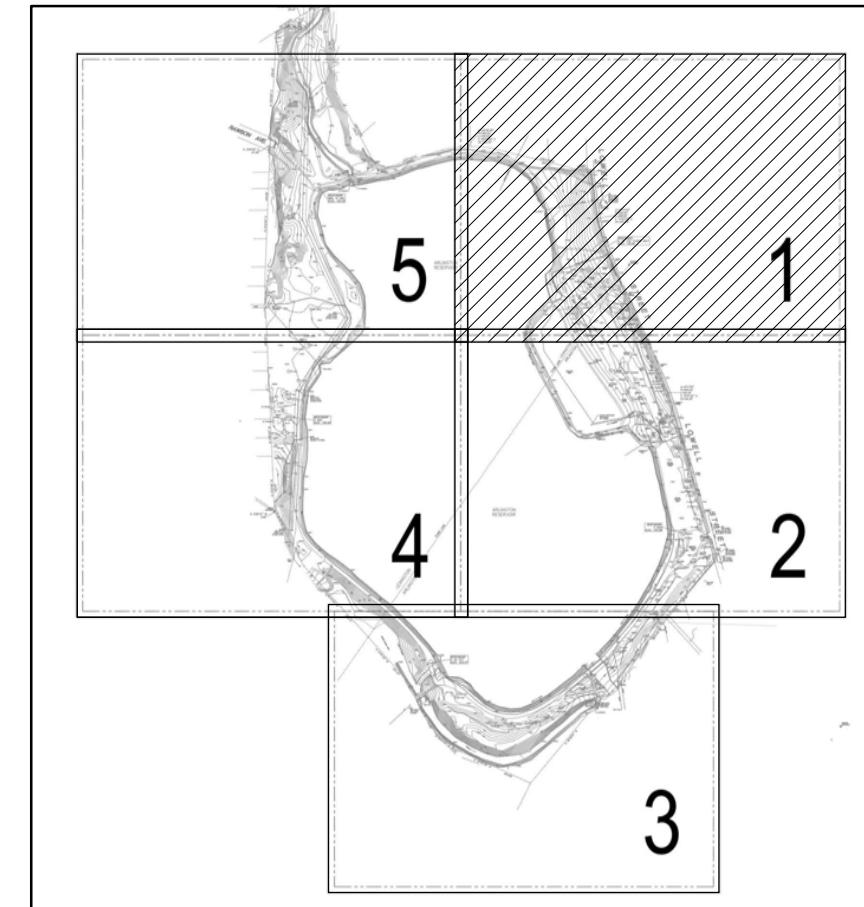
1. PERIMETER TRAIL BENCH LOCATIONS SHALL BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

This detailed architectural site plan illustrates the layout of a park area, specifically the "L C WELL" section. The plan includes contour lines, trail networks, and various park amenities. Key features include:

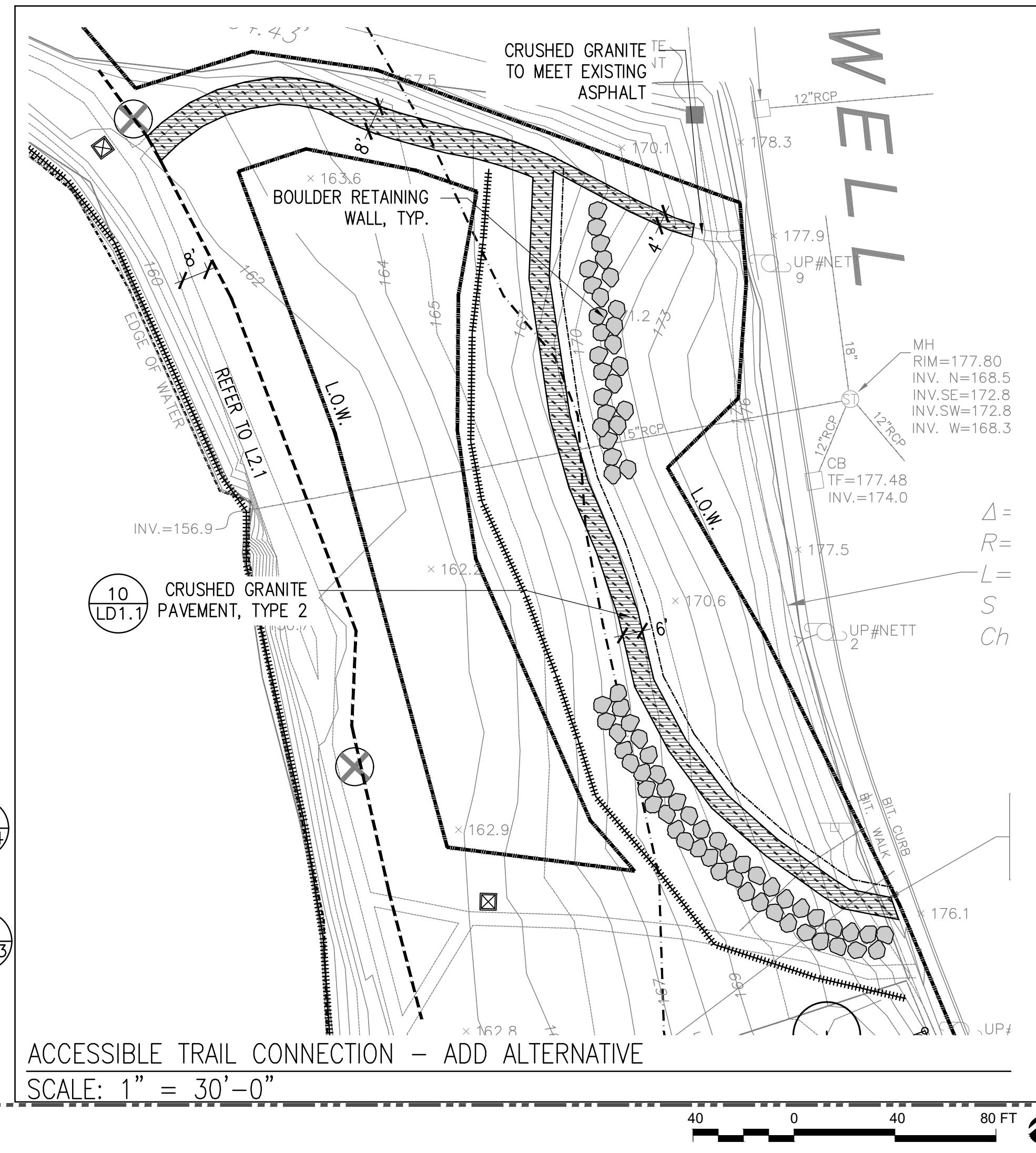
- Trails and Paths:** Labeled "L.O.W.", "WAYFINDING SIGN", and "ACCESSIBLE TRAIL CONNECTION - ADD ALTERNATIVE".
- Structures:** A "GRANITE MONUMENT", a "PICNIC PAVILION ON CONCRETE PAD", a "BENCHMARK", and a "LIFEGUARD STAND WITH SHADE STRUCTURE".
- Landscaping:** Includes "TURF", "BOULDER", "CHERRY", "SYCAMORE", and "MAPLE" trees.
- Surfaces and Materials:** "CRUSHED GRANITE PAVEMENT, TYPE 2", "VEHICULAR ASPHALT", and "RUBBER SURFACING".
- Utilities and Equipment:** "DUMPSTER (BY OTHERS)", "UTILITY FENCE", and "DROP-OFF".
- Signage:** "WAYFINDING SIGN" and "PICNIC TABLE ON CONCRETE PAD".
- Other Labels:** "ASSUME REPLACE 30 LF OF CULVERT, 24" DIA. PIPE", "100' TOP OF BANK BUFFER", "APPROXIMATE TOP OF BANK", "6FT LONG BENCH W/ COMPANION SPACE", "10' WIDE BLACK VINYL COATED CHAIN LINK FENCE GATE", "4' HT. BLACK VINYL COATED CHAIN LINK FENCE", "CRUSHED GRANITE PAVEMENT, TYPE 2", "TIMBER OVERLOOK TYPE-2", "SPLIT RAIL FENCE", "NEW LIFE GUARD STAND WITH SHADE STRUCTURE, TYP.", "ARMORED SLOPE", "BENCHES", "TWIN", "PLAY GROUND", "CURB RAMP, TYP.", "CHAIN LINK FENCE CANTILEVER GATE", "CONCRETE PAVEMENT PATH", "CONCRETE PATIO", "6' HT. BLACK VINYL COATED CHAIN LINK FENCE", "CONCESSIONS/BATHHOUSE RENOVATION, SEE ARCH. D.", "TRASH RECEPTACLE AND R.", "TYP.", and "EXISTING TREE TO REMAIN, TYP.".
- Coordinates and Elevation:** Includes coordinates like S 88°20'09" E Ch=194.54', S 76°07'09"E 264.43, and elevations such as MH RIM=177.80 INV. N=168.5 INV.SE=172.8 INV.SW=172.8 INV. W=168.3.
- Scale and Match Line:** A scale bar shows 40 FT, 0 FT, and 80 FT. A note at the bottom right says "MATCH LINE SEE SHEET L-1.2".

## 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 THE MATERIALS AND STORAGE AREA 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 AREA OUTSIDE THE LIMIT
  9. PROVIDE EXPANSION JOINTS AT ALL CURBS, WALLS, STEPS, LIGHT POLE BASES, PULL BOXES, MANHOLES, ETC. AND AS SHOWN ON PLAN.
  10. LOAM AND SEED ALL DISTURBED AREAS THAT ARE NOT PROPOSED AS PAVEMENT UNLESS OTHERWISE INDICATED ON PLANS.
  11. WITHIN THE LIMIT OF WORK, CONTRACTOR SHALL IDENTIFY ALL TREE LIMBS LOWER THAN 10' ABOVE THE GROUND SURFACE THAT MAY BE VULNERABLE TO EQUIPMENT DAMAGE. NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK BENEATH ANY OF THESE LIMBS. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO TREE LIMBS DUE TO CONTRACTOR OPERATIONS.
  12. ALL SITE AMENITIES PAVEMENT MARKINGS AND SIGNS TO BE FIELD LOCATED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



## KEY PLAN



## ACCESSIBLE TRAIL CONNECTION – ADD ALTERNATIVE

NO.	REVISION

100% DESIGN DEVELOPMENT

**Job Number:**

**Project:** ARLINGTON RES.

Drawn By: JL/MD/RB      Checked By: K

**Date:** NOVEMBER 13, 2020

Scale: 1"=40'-0"

Drawing Title:

L2.1

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

**kzla**  
Kyle Zick Landscape Architecture, Inc.  
36 Bromfield Street Suite 202  
Boston, MA 02108  
617 451-1018 Tel  
www.kylezick.com



100% DESIGN DEVELOPMENT SET

Job Number:

Project: ARLINGTON RES.

Drawn By: JL/M/DRB Checked By: KZ

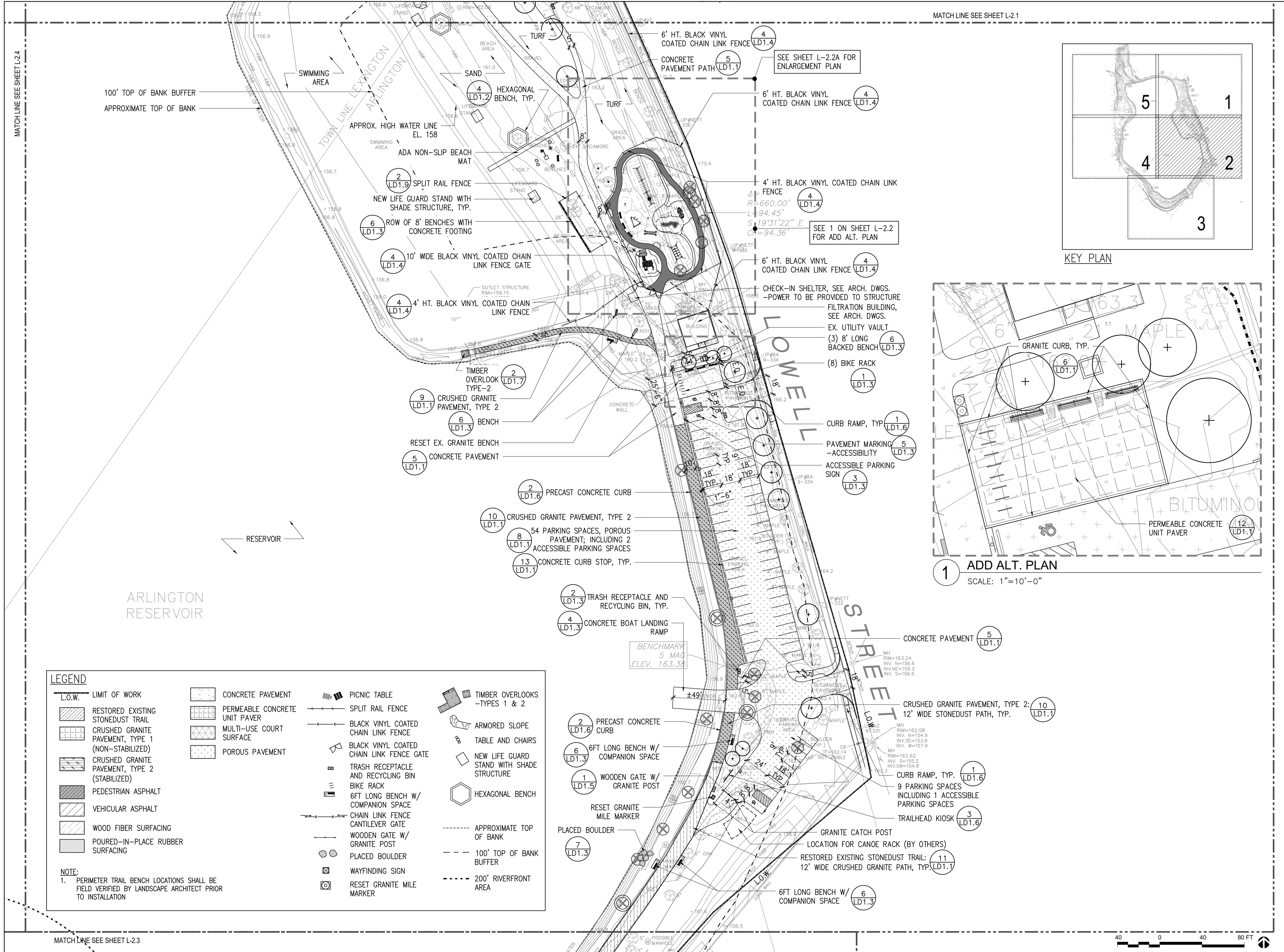
Date: NOVEMBER 13, 2020

Scale: 1'=40'-0"

Drawing Title:

LAYOUT AND MATERIAL PLAN

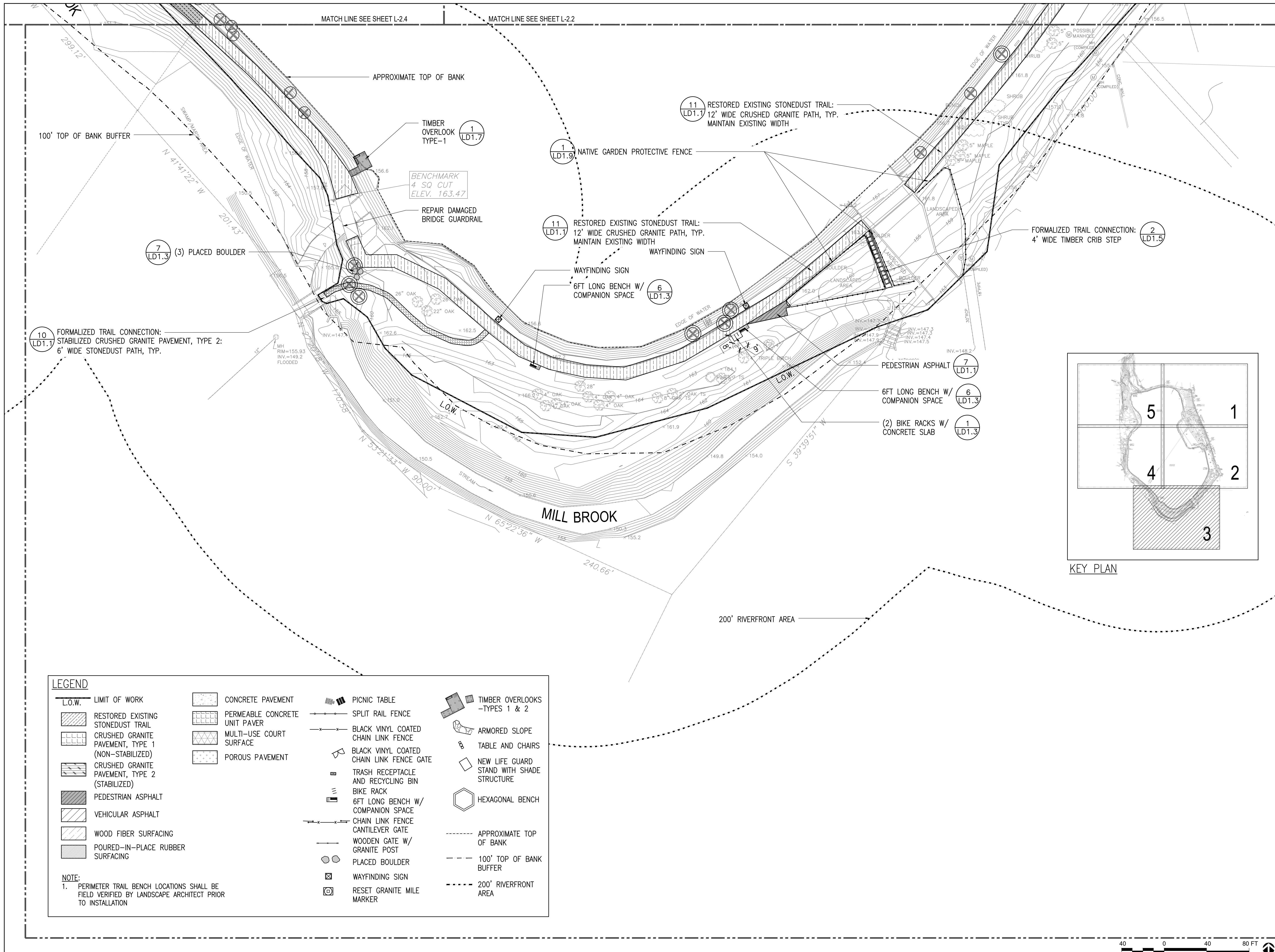
**L2.2**





**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



**kzla**

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617 451-1018 Tel  
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100% DESIGN DEVELOPMENT SET

Job Number:

Project: ARLINGTON RES.

Drawn By: JL/MD/RB Checked By: KZ

Date: NOVEMBER 13, 2020

Scale: 1'=40'-0"

Drawing Title:

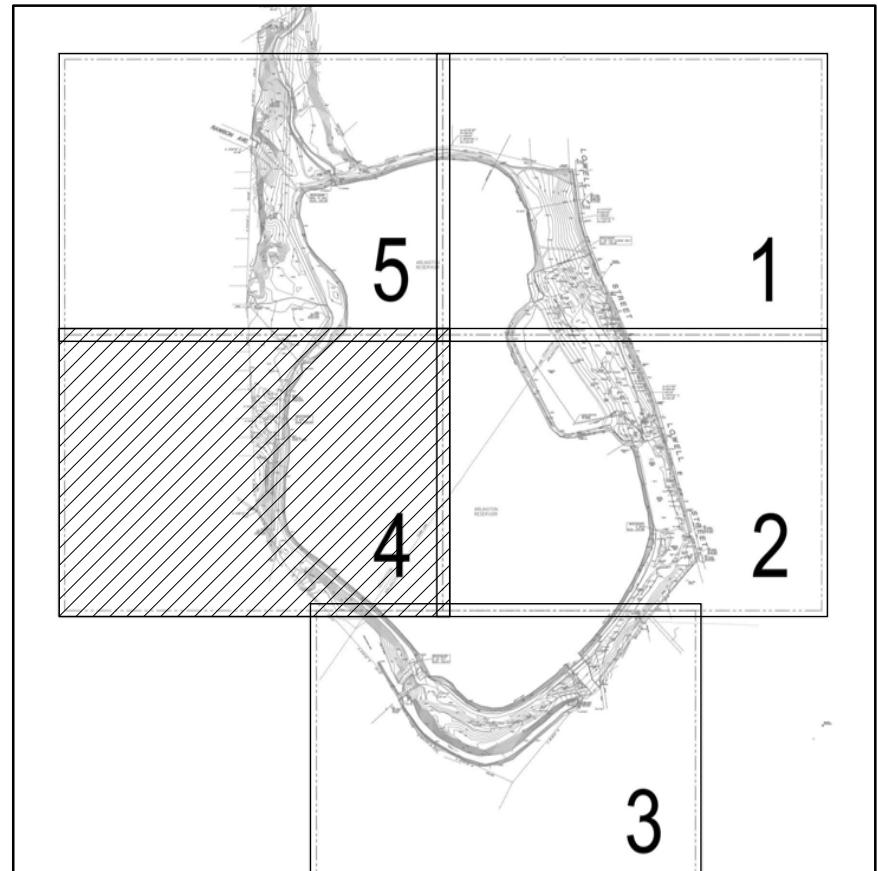
LAYOUT AND MATERIAL PLAN

**L2.3**

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

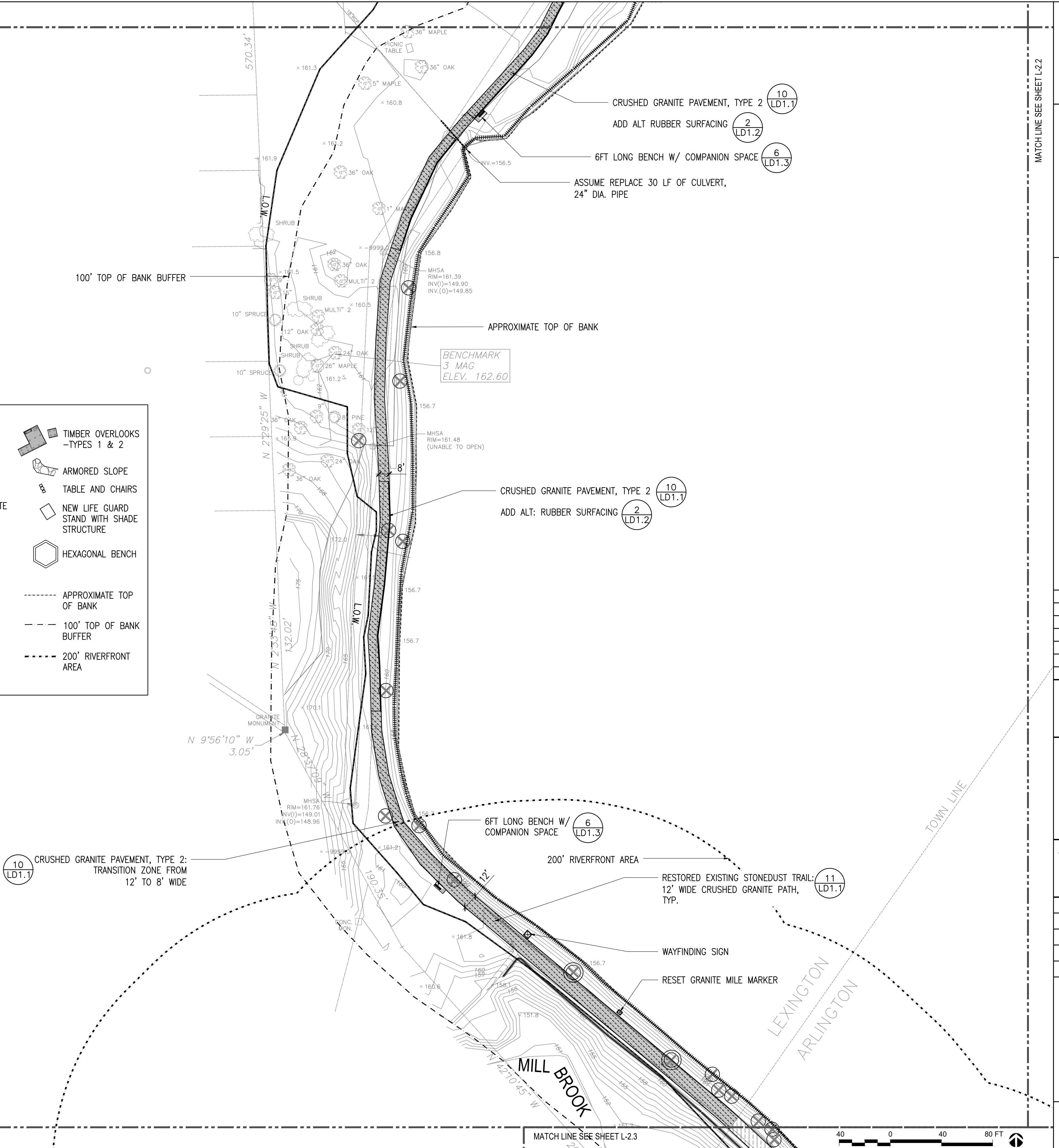
MATCH LINE SEE SHEET L-22



KEY PLAN

LEGEND	
L.O.W.	LIMIT OF WORK
[Hatched]	RESTORED EXISTING STONEDUST TRAIL
[Cross-hatched]	CRUSHED GRANITE PAVEMENT, TYPE 1 (NON-STABILIZED)
[Dashed]	CRUSHED GRANITE PAVEMENT, TYPE 2 (STABILIZED)
[Solid Gray]	PEDESTRIAN ASPHALT
[Hatched]	VEHICULAR ASPHALT
[Hatched]	WOOD FIBER SURFACING
[Hatched]	POURED-IN-PLACE RUBBER SURFACING
[Concrete Pavement]	CONCRETE PAVEMENT
[Permeable Concrete Unit Paver]	PERMEABLE CONCRETE UNIT PAVER
[Multi-Use Court Surface]	MULTI-USE COURT SURFACE
[Porous Pavement]	POROUS PAVEMENT
[Solid Line]	SPLIT RAIL FENCE
[Dashed Line]	BLACK VINYL COATED CHAIN LINK FENCE
[Dashed Line]	BLACK VINYL COATED CHAIN LINK FENCE GATE
[X]	TRASH RECEPTACLE AND RECYCLING BIN
[Bike Rack]	BIKE RACK
[Horizontal Line]	6FT LONG BENCH W/ COMPANION SPACE
[Vertical Line]	CHAIN LINK FENCE CANTILEVER GATE
[Wooden Gate]	WOODEN GATE W/ GRANITE POST
[Circle with dot]	PLACED BOULDER
[X]	WAYFINDING SIGN
[Circle with dot]	RESET GRANITE MILE MARKER
[Picnic Table]	PICNIC TABLE
[Armored Slope]	ARMORED SLOPE
[Table and Chairs]	TABLE AND CHAIRS
[Shrub]	SHRUB
[Oak Tree]	36" OAK
[Maple Tree]	36" MAPLE
[Pine Tree]	PINE
[Diamond]	NEW LIFE GUARD STAND WITH SHADE STRUCTURE
[Hexagonal Bench]	HEXAGONAL BENCH
[Dashed Line]	APPROXIMATE TOP OF BANK
[Dashed Line]	100' TOP OF BANK BUFFER
[Dashed Line]	200' RIVERFRONT AREA

- NOTE:  
1. PERIMETER TRAIL BENCH LOCATIONS SHALL BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

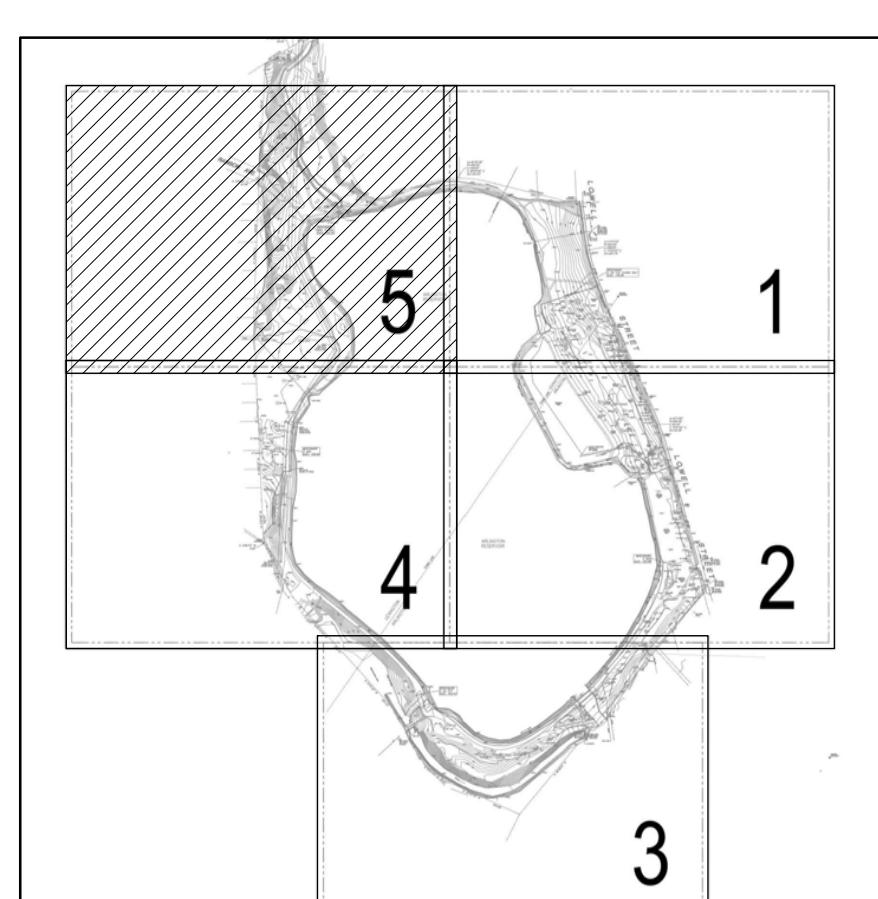


**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON

MATCH LINE SEE SHEET L-2.1

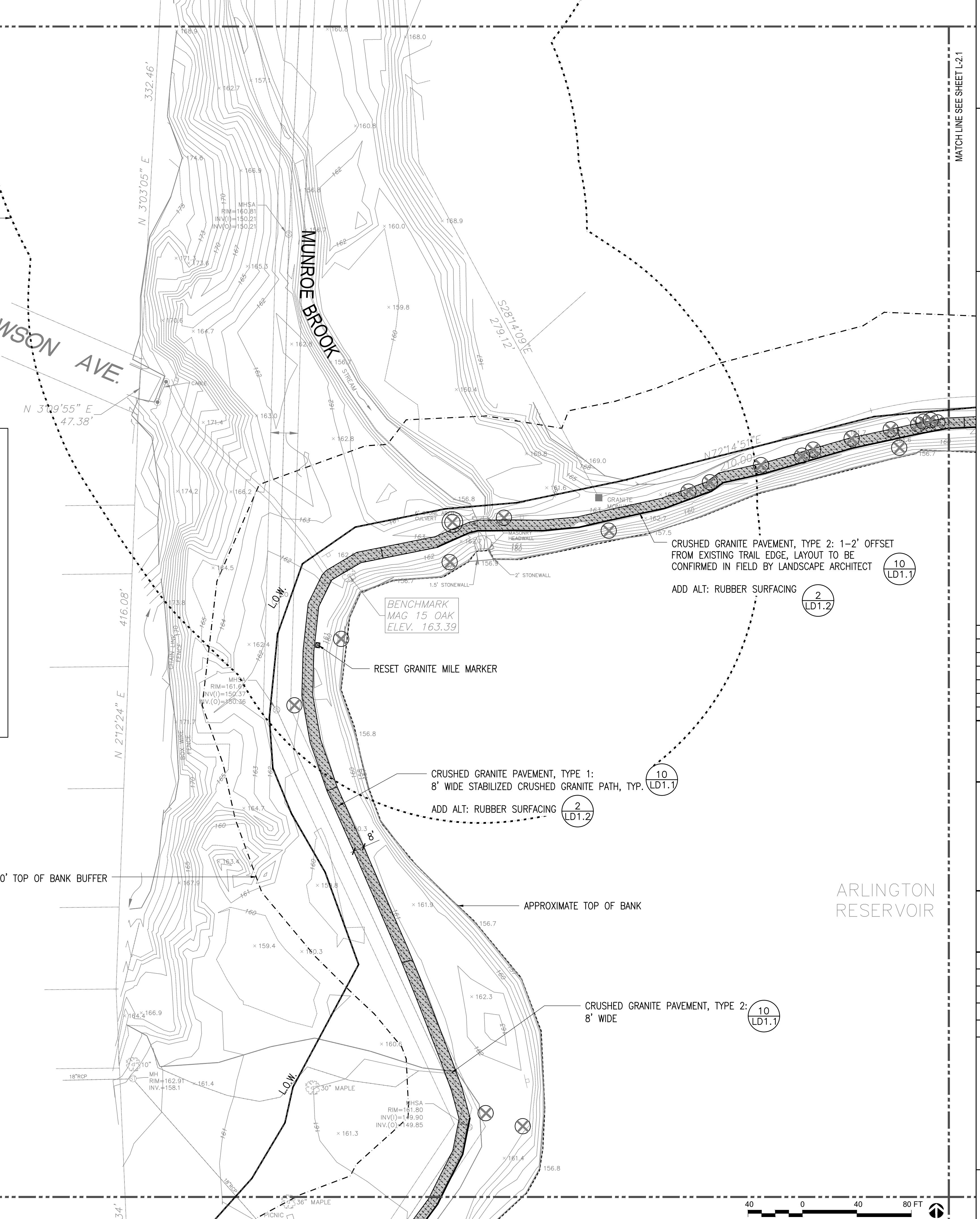


KEY PLAN

LEGEND	
L.O.W.	LIMIT OF WORK
RESTORED EXISTING STONEDUST TRAIL	CONCRETE PAVEMENT
CRUSHED GRANITE PAVEMENT, TYPE 1 (NON-STABILIZED)	PERMEABLE CONCRETE UNIT PAVER
CRUSHED GRANITE PAVEMENT, TYPE 2 (STABILIZED)	MULTI-USE COURT SURFACE
PEDESTRIAN ASPHALT	POROUS PAVEMENT
VEHICULAR ASPHALT	
WOOD FIBER SURFACING	
POURED-IN-PLACE RUBBER SURFACING	

- NOTE:**  
1. PERIMETER TRAIL BENCH LOCATIONS SHALL BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

ICON	DESCRIPTION
ICON	PICNIC TABLE
ICON	SPLIT RAIL FENCE
ICON	BLACK VINYL COATED CHAIN LINK FENCE
ICON	BLACK VINYL COATED CHAIN LINK FENCE GATE
ICON	TRASH RECEPTACLE AND RECYCLING BIN
ICON	BIKE RACK
ICON	6FT LONG BENCH W/ COMPANION SPACE
ICON	CHAIN LINK FENCE CANTILEVER GATE
ICON	WOODEN GATE W/ GRANITE POST
ICON	PLACED BOULDER
ICON	WAYFINDING SIGN
ICON	RESET GRANITE MILE MARKER
ICON	APPROXIMATE TOP OF BANK
ICON	100' TOP OF BANK BUFFER
ICON	200' RIVERFRONT AREA



**kzla**

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#### ARLINGTON, MASSACHUSETTS

# TOWN OF ARLINGTON

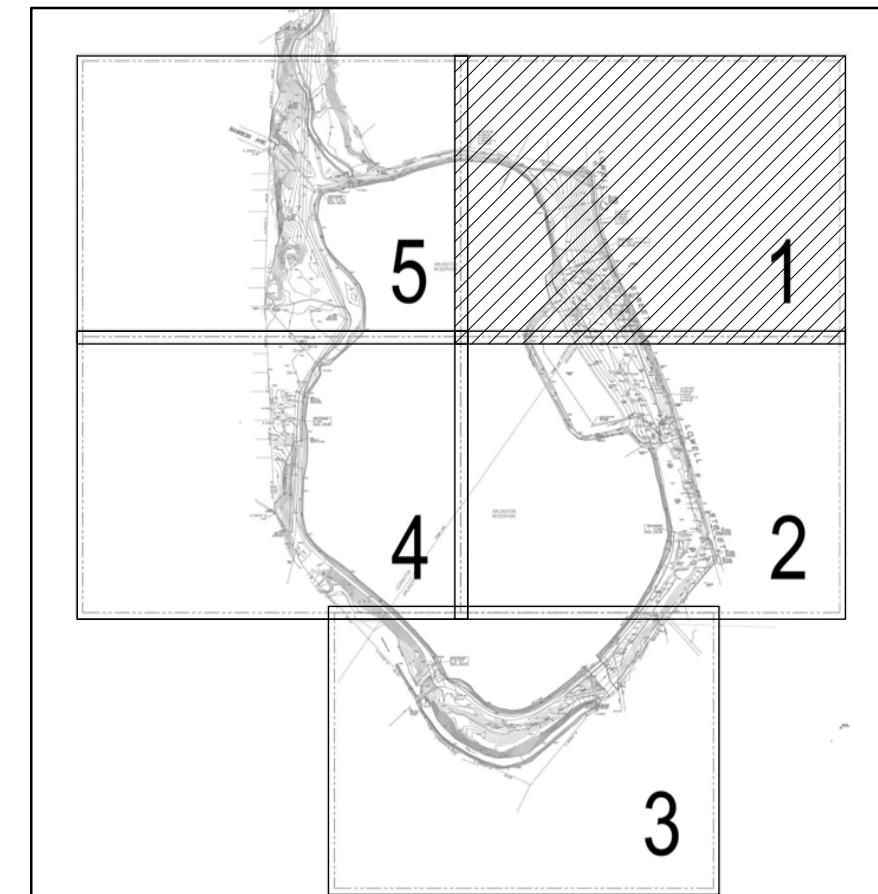
MATCH LINE SEE SHEET L-3.5

## LEGEND

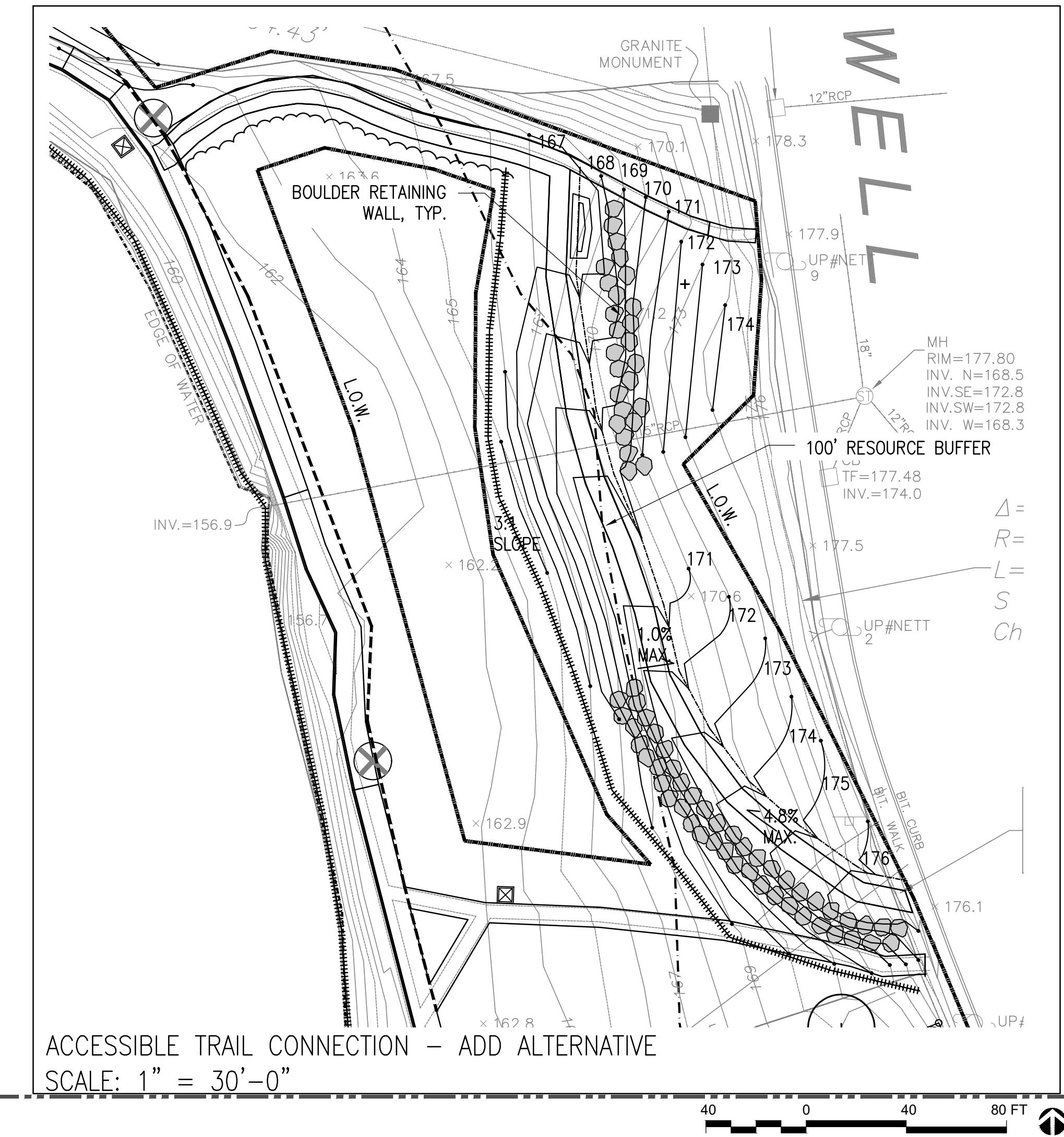
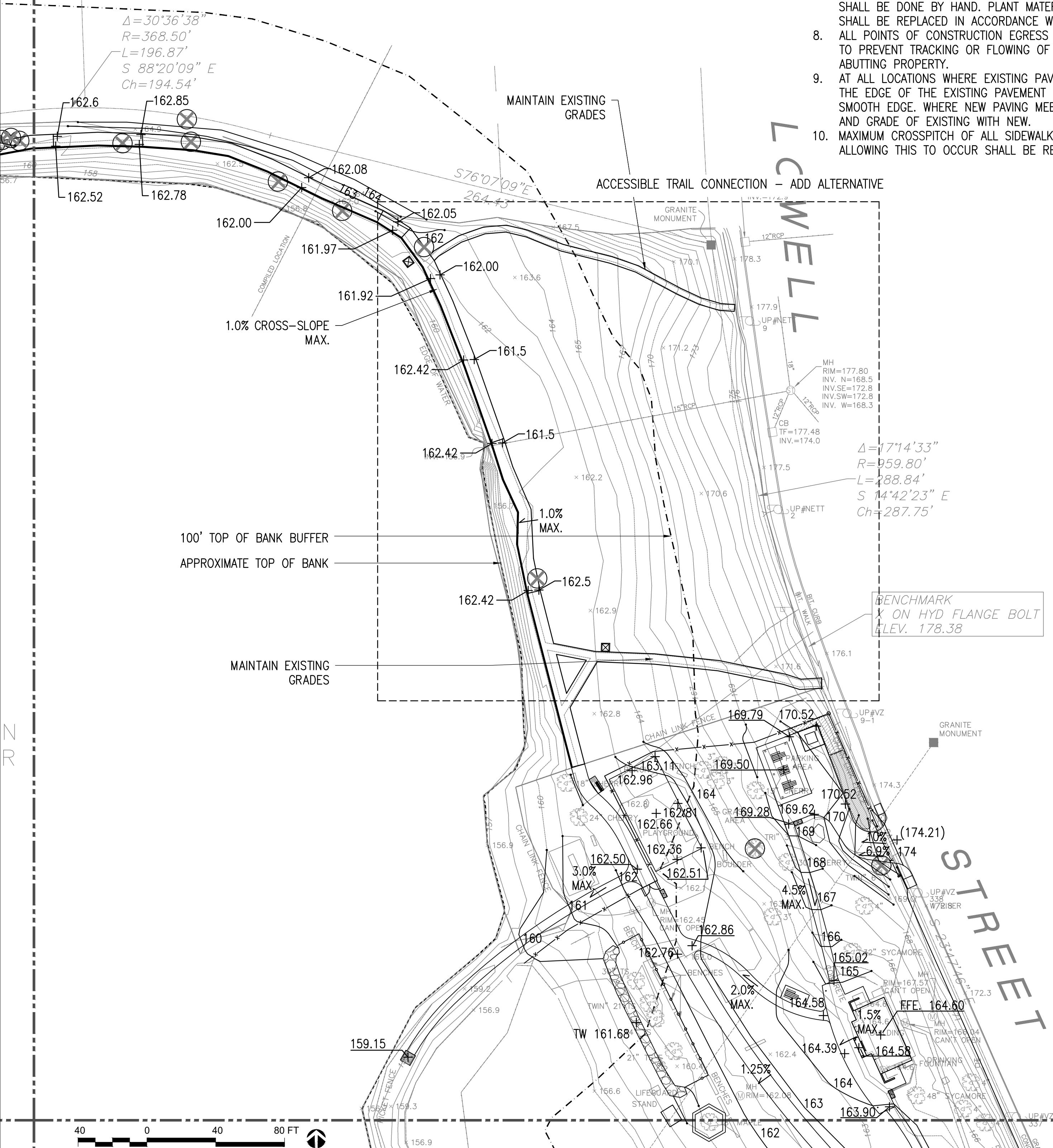
L.O.W.	LIMIT OF WORK	HP	HIGH POINT
138	PROPOSED CONTOUR, TYP.	LP	LOW POINT
138	EXISTING CONTOUR, TYP.	BC	BOTTOM OF CURB
+ 74.50	SPOT GRADE, TYP.	TC	TOP OF CURB
+ (74.50)	EXISTING SPOT GRADE, TYP.	BW	BOTTOM OF WALL
X%	SLOPE, TYP.	TW	TOP OF WALL
	APPROXIMATE TOP OF BANK	BOS	BOTTOM OF STAIR
	100' RESOURCE BUFFER	TOS	TOP OF STAIR
	200' RIVERFRONT AREA	RIM	CATCH BASIN RIM

## 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 CROSPITCH OF ALL SIDEWALKS IS 2%. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE LANDSCAPE
  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 POSTS, 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 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.
  17. EROSION CONTROL BLANKETS SHALL BE USED ON NEWLY GRADED SLOPES THAT ARE EQUAL TO OR STEEPER THAN A 3:1 SLOPE.
  18. DUE TO TIGHT GRADING REQUIREMENTS FOR PAVED SURFACES, CONTRACTOR SHALL REVIEW GRADING WITH LANDSCAPE ARCHITECT AT THE COMPLETION OF ROUGH GRADING AND AT THE COMPLETION OF BINDER COURSE FOR



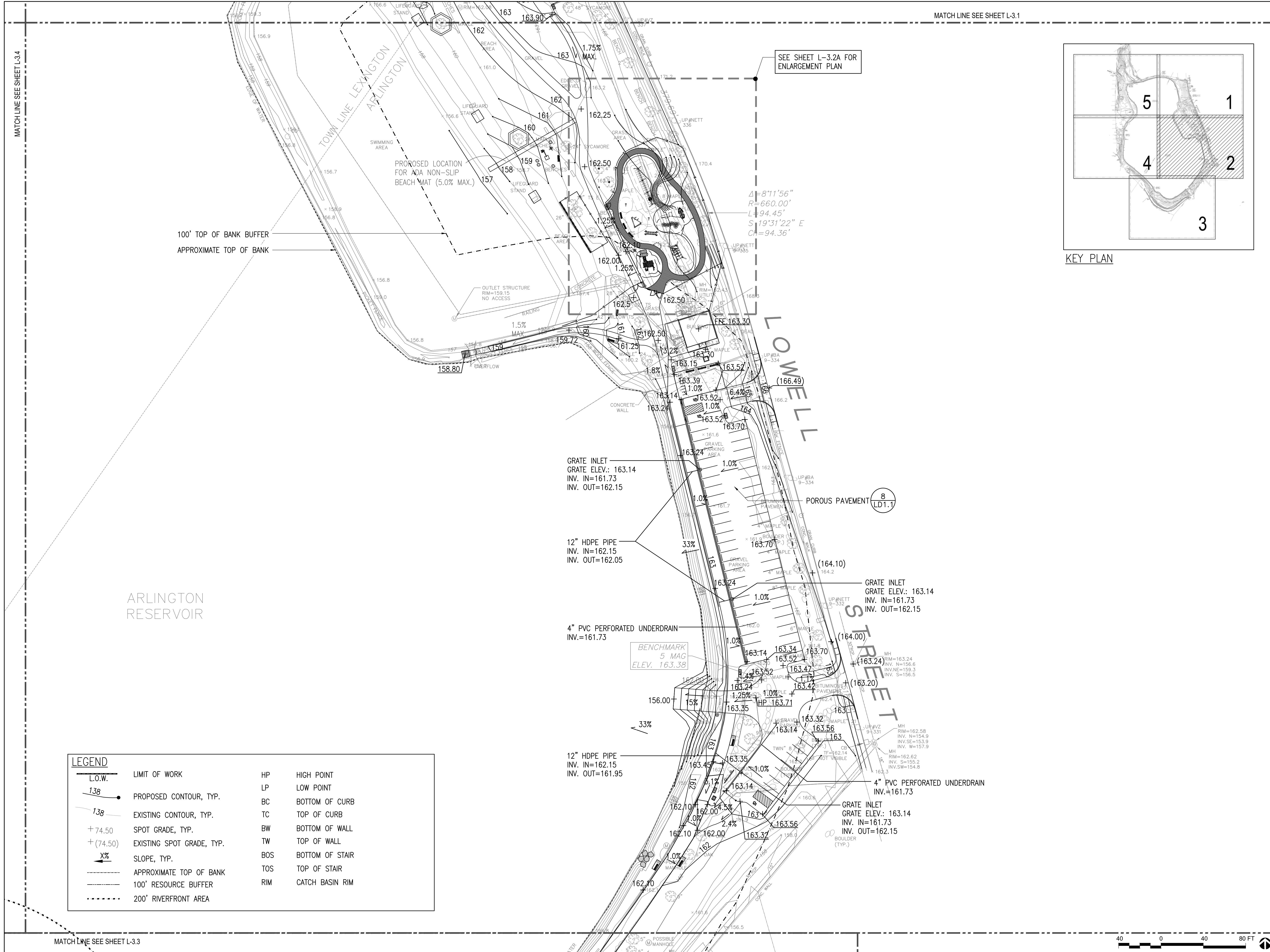
## KEY PLAN



SCALE: 1" = 30'-0"

MATCH LINE SEE SHEET L-1.2

L3.1



# ARLINGTON RESERVOIR - PHASE 2

ARLINGTON, MASSACHUSETTS

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**TOWN OF ARLINGTO**

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MA 02108      www.KyleZici.com



100% DESIGN DEVELOPMENT SET

**Job Number:**

**Project:** ARLINGTON RES.

Drawn By: JL/MD/RB      Checked By: KZ

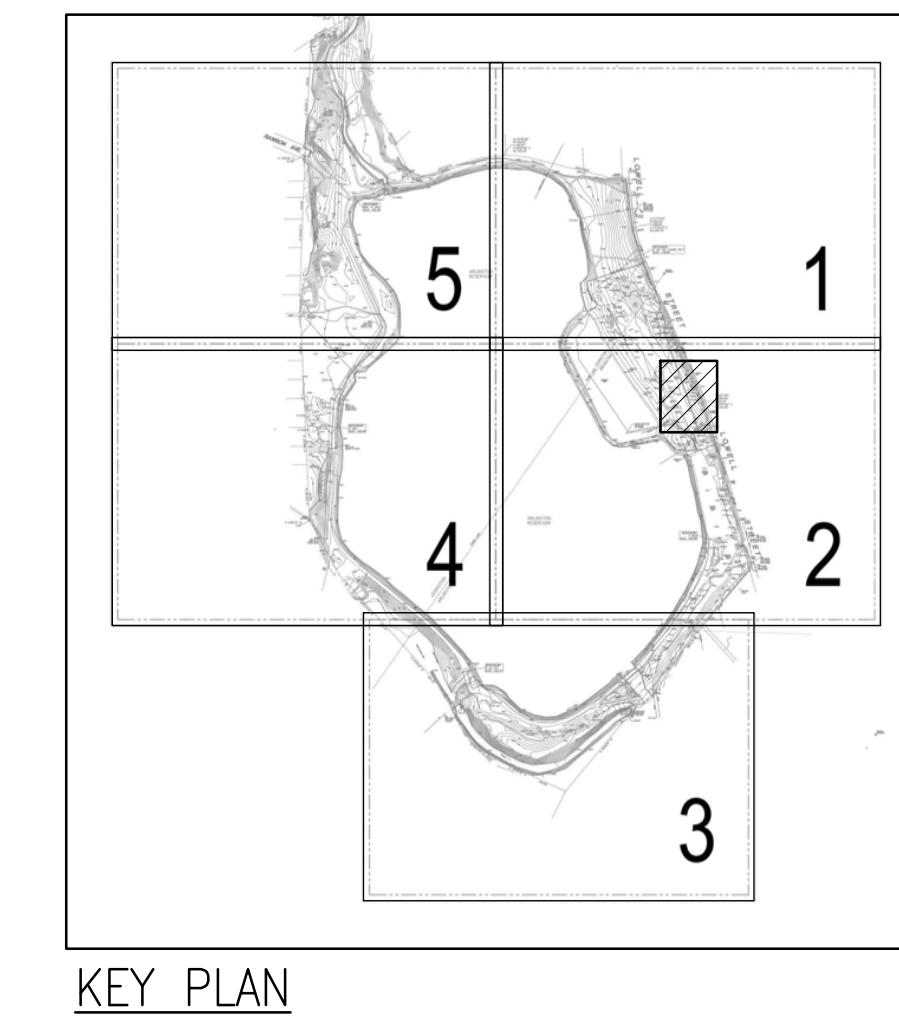
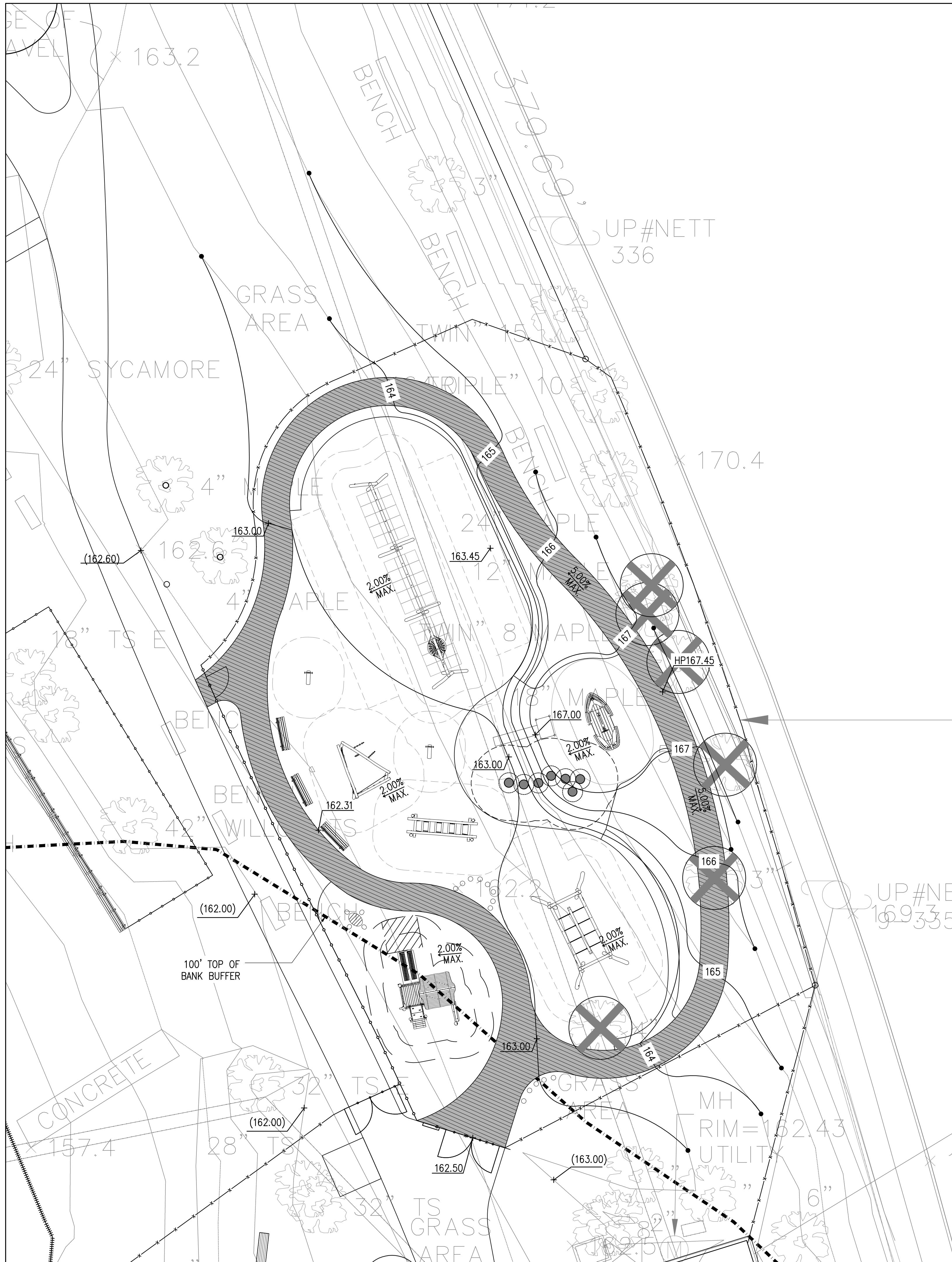
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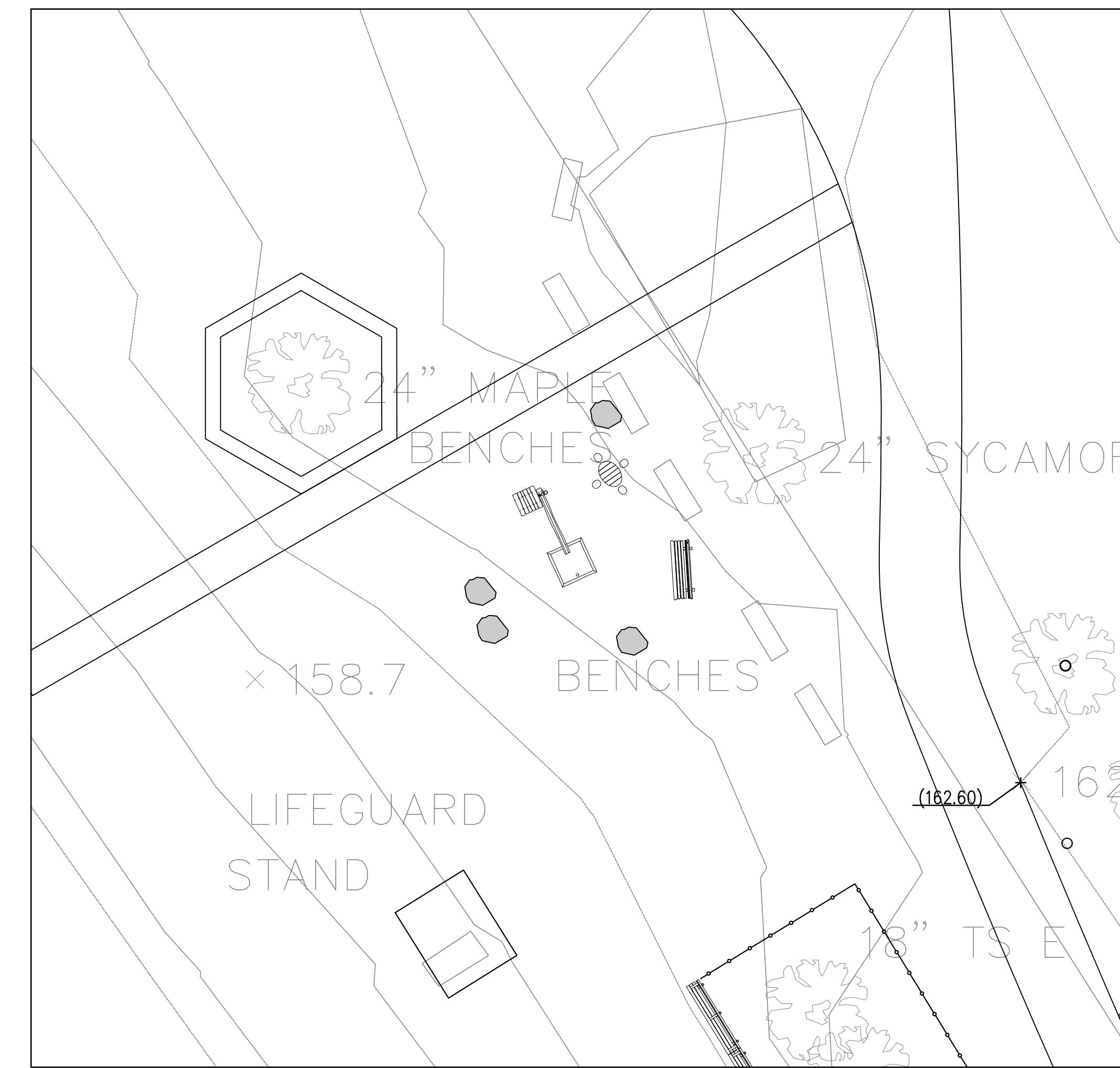
**Drawing Title:**

## GRADING PLAN

L3.2



## KEY PLAN



LEGEND

<u>LEGEND</u>	
L.O.W.	LIMIT OF WORK
138	PROPOSED CONTOUR, TYP.
138	EXISTING CONTOUR, TYP.
+ 74.50	SPOT GRADE, TYP.
+ (74.50)	EXISTING SPOT GRADE, TYP.
X%	SLOPE, TYP.
-----	APPROXIMATE TOP OF BANK
-----	100' RESOURCE BUFFER
-----	200' RIVERFRONT AREA

HP	HIGH POINT
LP	LOW POINT
BC	BOTTOM OF CURB
TC	TOP OF CURB
BW	BOTTOM OF WALL
TW	TOP OF WALL
BOS	BOTTOM OF STAIR
TOS	TOP OF STAIR
RIM	CATCH BASIN RIM

# ARLINGTON RESERVOIR - PHASE 2

## ARLINGTON, MASSACHUSETTS

# TOWN OF ARLINGTON

**NO.**

The logo for Kyle Zick Landscape Architecture, Inc. It features the letters "KZla" in a bold, sans-serif font. The "K" and "Z" are dark grey, while the "l" and "a" are light grey. Below the logo, the company name "Kyle Zick Landscape Architecture, Inc." is written in a smaller, dark grey sans-serif font. Underneath that, the address "36 Bromfield Street Suite 202" and phone number "617 451-1011" are listed.



100% DESIGN DEVELOPMENT SET

Page 1 of 1

**Job Number:**

## **Project: ARLINGTON RES.**

Drawn By: JL/MD/RB      Check

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Scale: 1"-=10'-0"

Drawing Title:

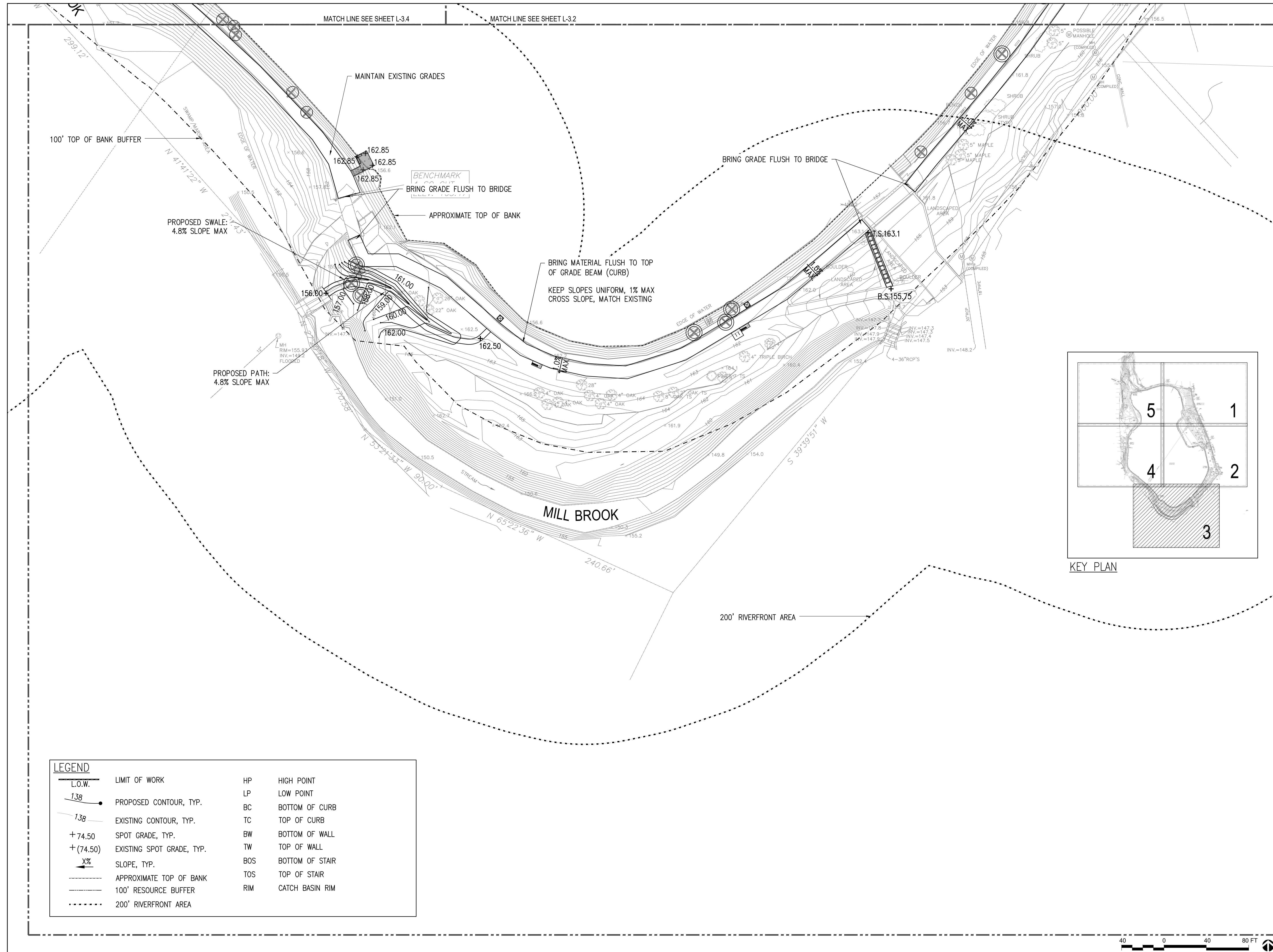
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## ENI ARGED GRADING PLAN

L3.2A

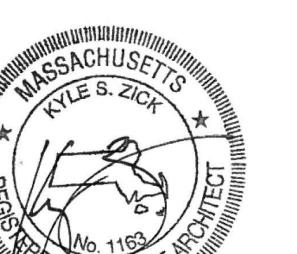
**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



**kzla**

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100% DESIGN DEVELOPMENT SET

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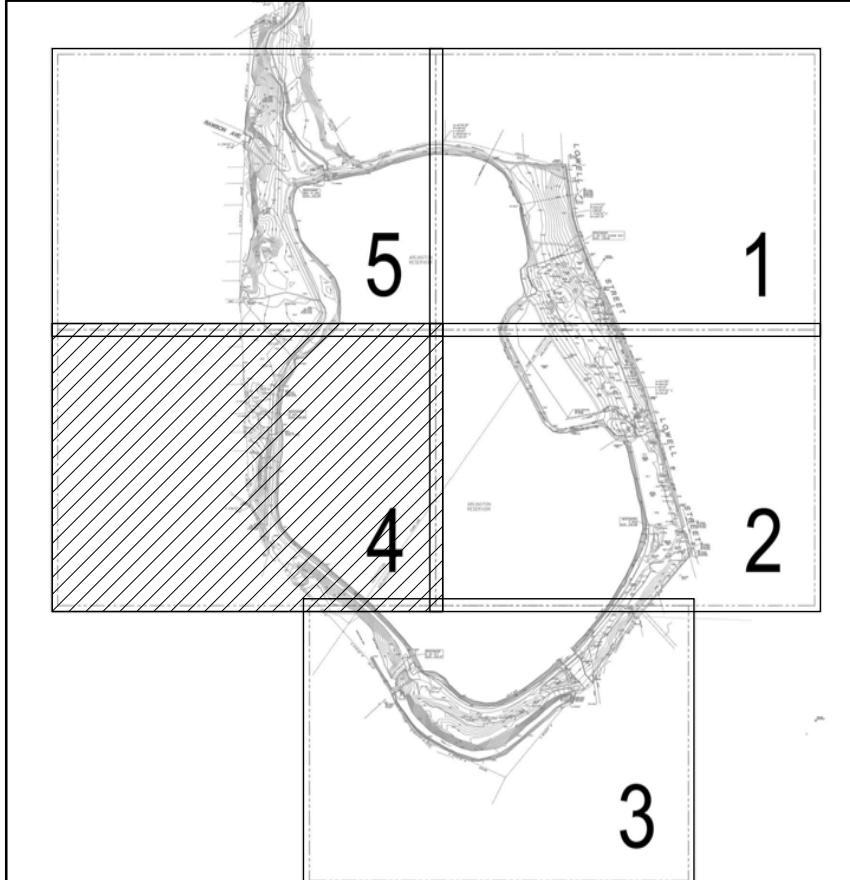
Drawn By: JL/MD/RB Checked By: KZ

Date: NOVEMBER 13, 2020

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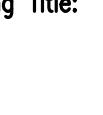
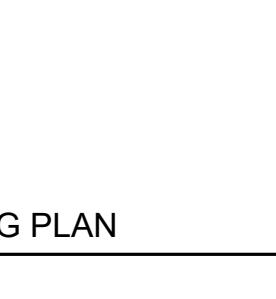
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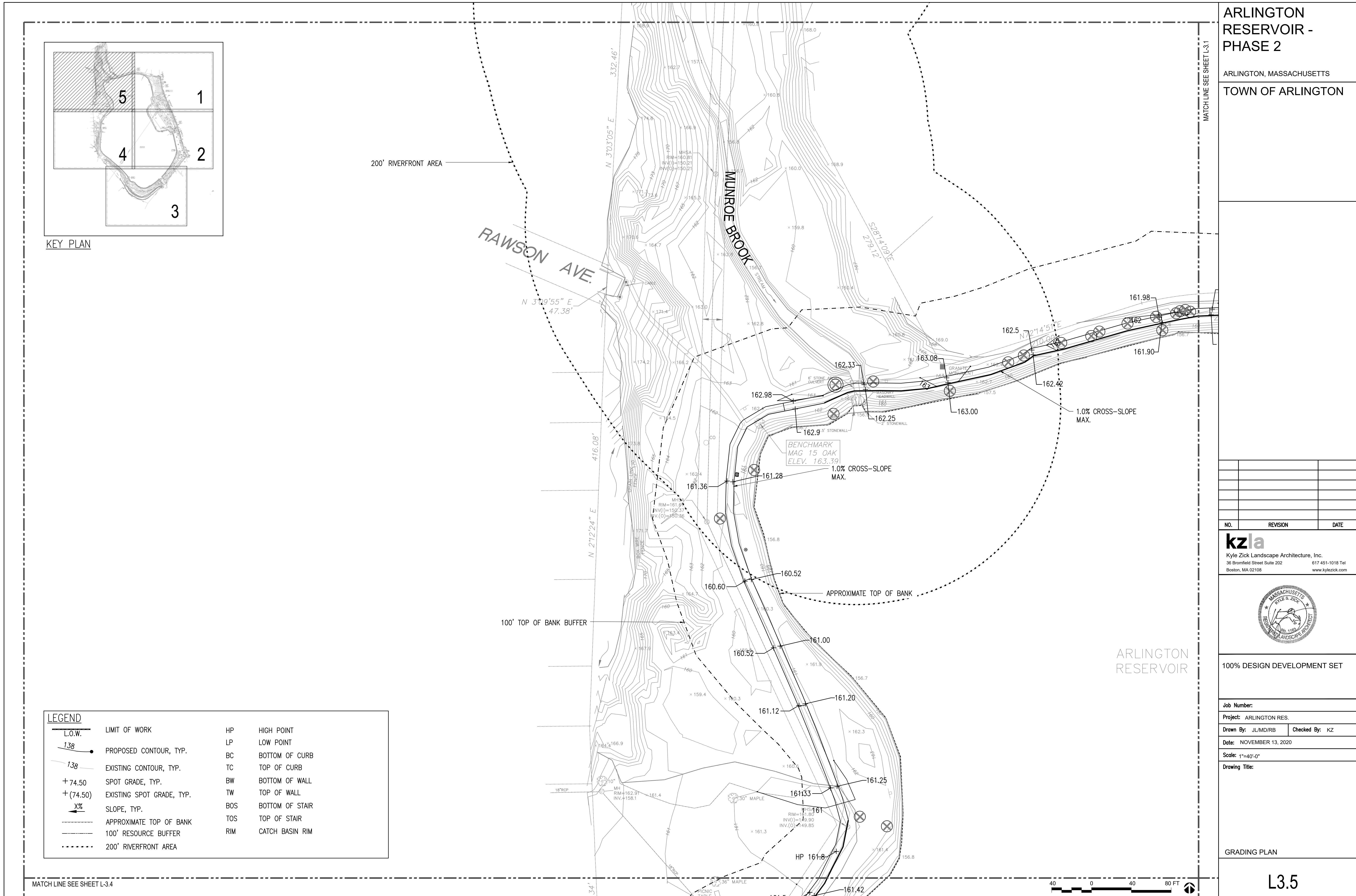
GRADING PLAN



## KEY PLAN

LEGEND			
L.O.W.	LIMIT OF WORK	HP	HIGH POINT
138	PROPOSED CONTOUR, TYP.	LP	LOW POINT
138	EXISTING CONTOUR, TYP.	BC	BOTTOM OF CURB
+ 74.50	SPOT GRADE, TYP.	TC	TOP OF CURB
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X%	SLOPE, TYP.	TW	TOP OF WALL
-----	APPROXIMATE TOP OF BANK	BOS	BOTTOM OF STAIR
-----	100' RESOURCE BUFFER	TOS	TOP OF STAIR
-----	200' RIVERFRONT AREA	RIM	CATCH BASIN RIM

<b>ARLINGTON RESERVOIR - PHASE 2</b>			
ARLINGTON, MASSACHUSETTS			
<b>TOWN OF ARLINGTON</b>			
NO.	REVISION	DATE	
 <b>Kyle Zick Landscape Architecture, Inc.</b> 36 Bromfield Street Suite 202                            617 451-1018 Tel Boston, MA 02108 <a href="http://www.kylezick.com">www.kylezick.com</a>			
			
<b>100% DESIGN DEVELOPMENT SET</b>			
<b>Job Number:</b>			
<b>Project:</b> ARLINGTON RES.			
Drawn By:	JL/MD/RB	Checked By:	KZ
<b>Date:</b> NOVEMBER 13, 2020			
<b>Scale:</b> 1"=40'-0"			
<b>Drawing Title:</b>			
<b>GRADING PLAN</b>			
<b>L3.4</b>			



**ARLINGTON, MASSACHUSETTS**

---

**TOWN OF ARLINGTON**

MATCH LINE SEE SHEET L-4.5

## LEGEND

L.O.W.      LIMIT OF WORK      SEEDING      APPROXIMATE TOP OF BANK

EXISTING TREE      100' TOP OF BANK BUFFER

DECIDUOUS TREE      200' RIVERFRONT AREA

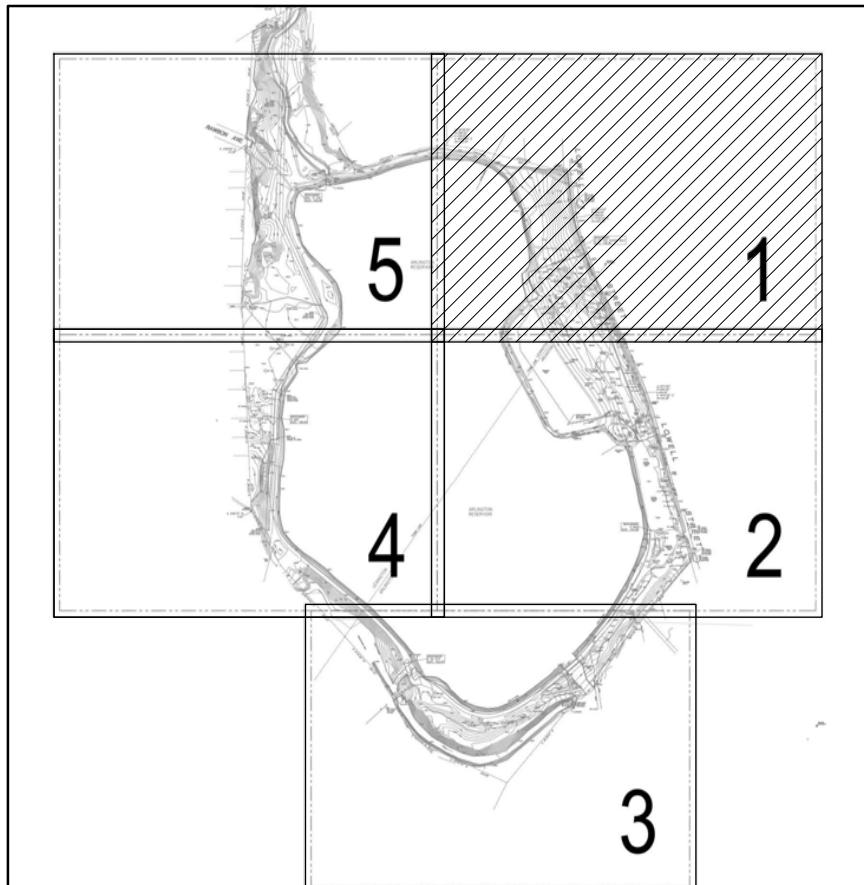
EVERGREEN TREE

SHRUB PLANTING

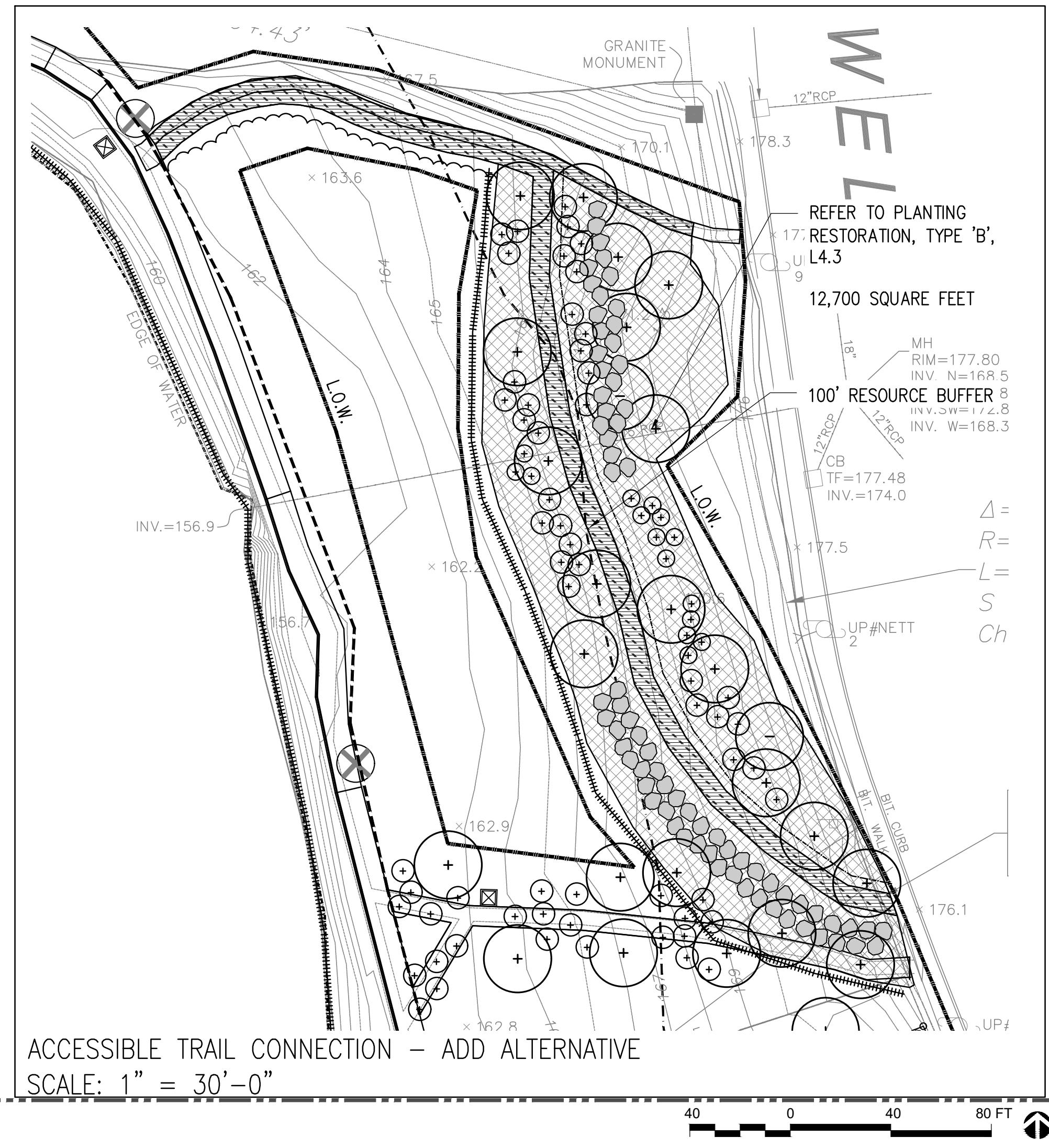
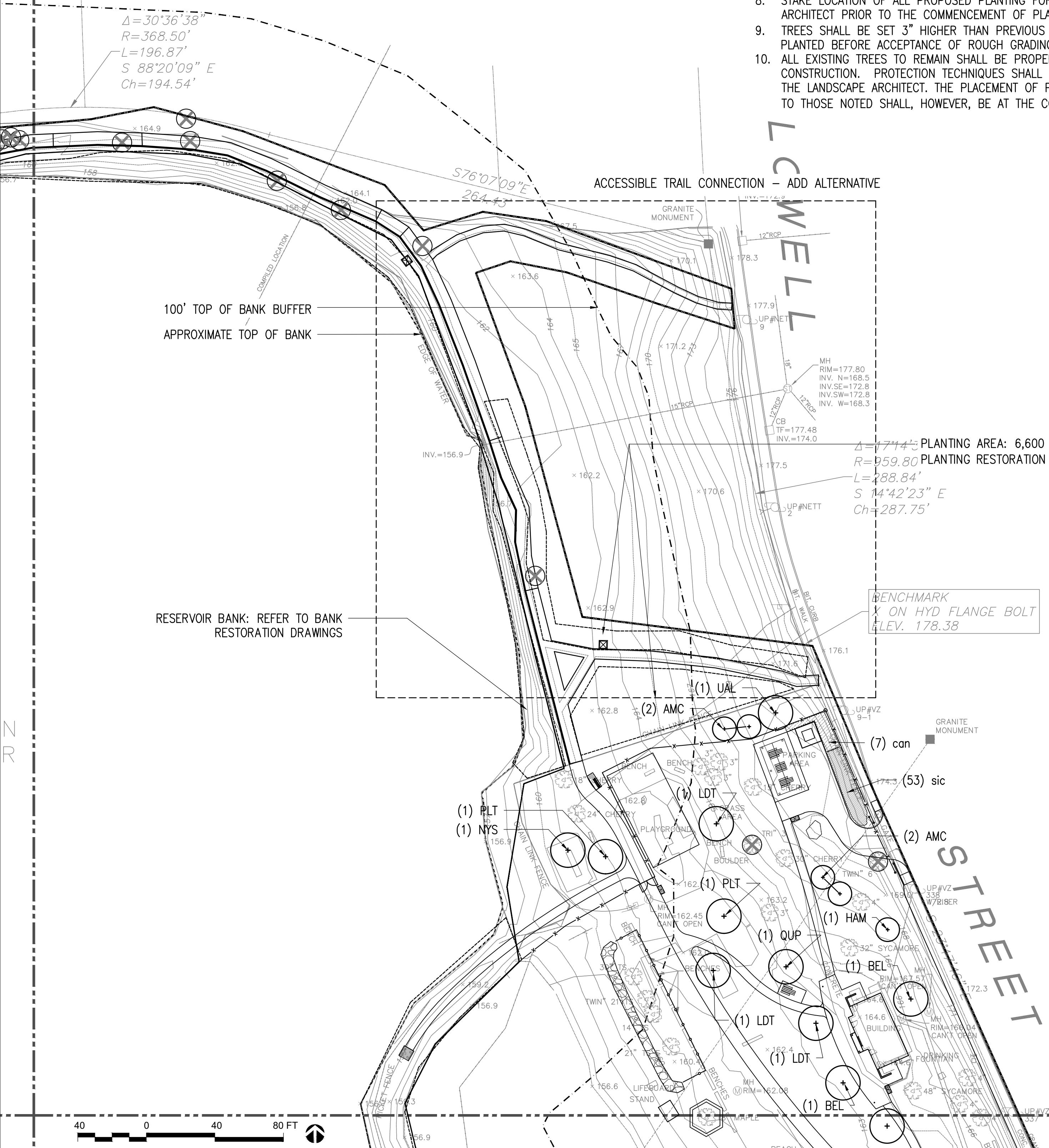
PERENNIAL PLANTING

## 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 SCHEDULE.
  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 SHALL BE NATIVE PLANTS ON THE OLMPSTED PLANTING LIST. ALL SUBSTITUTIONS SHALL REQUIRE 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. TREES SHALL BE SET 3" HIGHER THAN PREVIOUS GRADE. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.
  10. 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.
  11. CONTRACTOR SHALL PROVIDE FULL DEPTHS OF LOAM AS NOTED ON DETAILS AND AS SPECIFIED, FOR ALL PLANTING.
  12. CONTRACTOR SHALL COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (WALLS, FENCES, FOOTINGS, TREE ROOTBALLS, PROPOSED LIGHTING FOOTINGS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO CONTINUING WORK.
  13. 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 AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
  14. 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.
  15. CONTRACTOR SHALL PROVIDE PRUNING BY CERTIFIED ARBORIST. PRUNING SHALL BE REVIEWED WITH LANDSCAPE ARCHITECT PRIOR TO WORK.
  16. ANY IDENTIFIED DEPRESSION SHALL BE FILLED WITH LOAM, SUFFICIENT TO ENSURE THAT SOIL IS LEVEL WITH SURROUNDING GRADE AFTER SETTLEMENT, AND SEDED.
  17. LOAM AND SEED ALL DISTURBED AREAS THAT ARE NOT PROPOSED AS PAVEMENT, INCLUDING AREAS OF INVASIVE REMOVAL AND STUMP REMOVAL.
  18. EROSION CONTROL BLANKETS SHALL BE USED ON NEWLY GRADED SLOPES THAT ARE EQUAL TO OR STEEPER THAN A 3:1 SLOPE.
  19. UNLESS OTHERWISE DESIGNATED, ALL INVASIVE MANAGEMENT AREAS, UNLESS LOCATED IN RIPRAP OR PROPOSED AS HARDSCAPE, SHALL BE TOP DRESSED WITH LOAM AND SEDED.



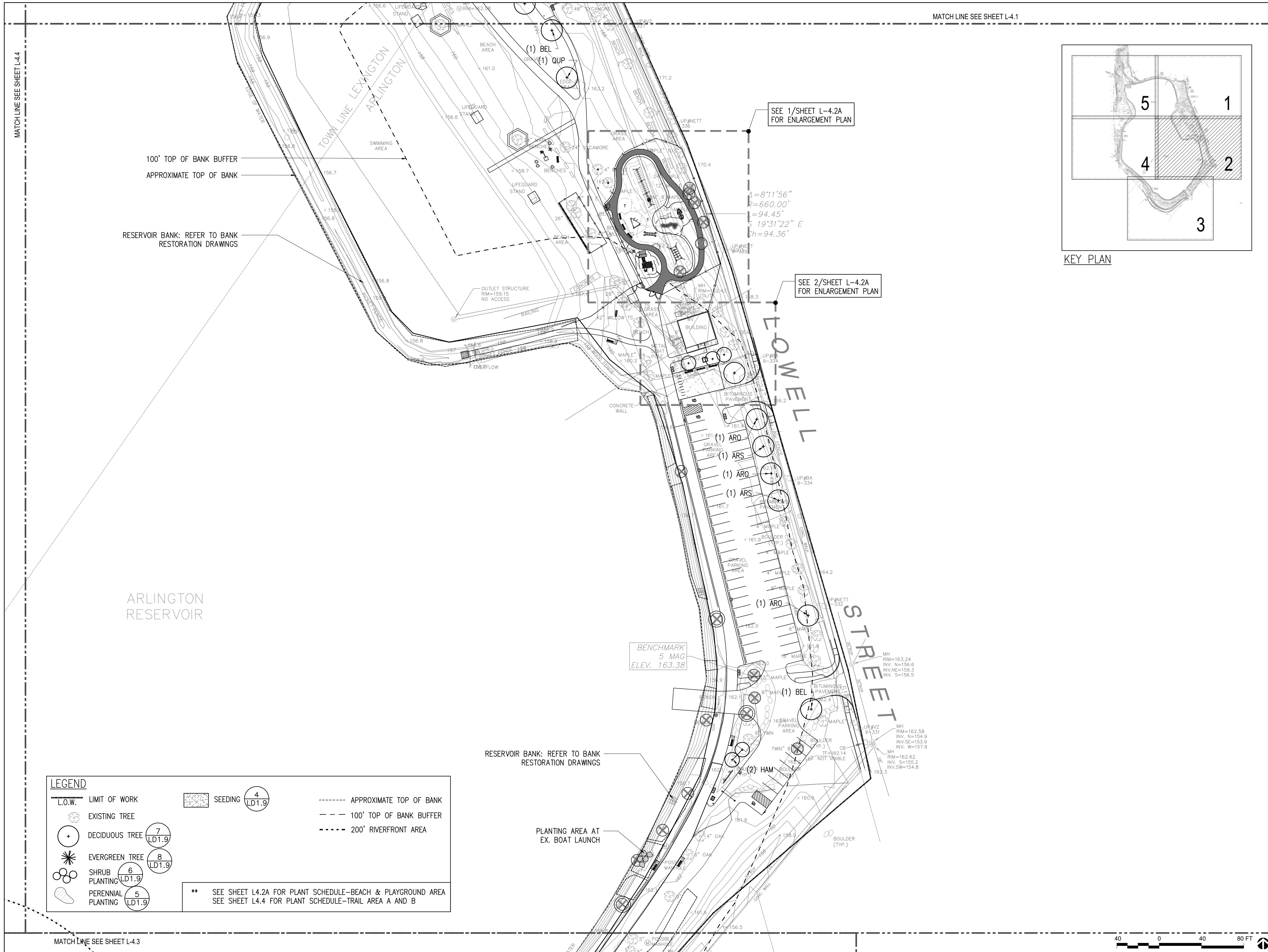
KEY PLAN



## ACCESSIBLE TRAIL CONNECTION – ADD ALTERNATIVE SCALE: 1" = 30'-0"

MATCH LINE SEE SHEET L-1.2

L4.1



# ARLINGTON RESERVOIR - PHASE 2

## ARLINGTON, MASSACHUSETTS

# TOWN OF ARLINGTON

# TOWN OF ARLINGTON

NO.	REVISION	DATE
-----	----------	------

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Boston, MA 02108      [www.kylezick.com](http://www.kylezick.com)



100% DESIGN DEVELOPMENT SET

---

11 N 1

**Job Number:**

**Project:** ARLINGTON RES.

Drawn By: JL/MD/RB      Checked By: KZ

Date: NOVEMBER 13, 2020

Date: NOVEMBER 13, 2020

**Scale:** 1"=40'-0"

**Drawing Title:**

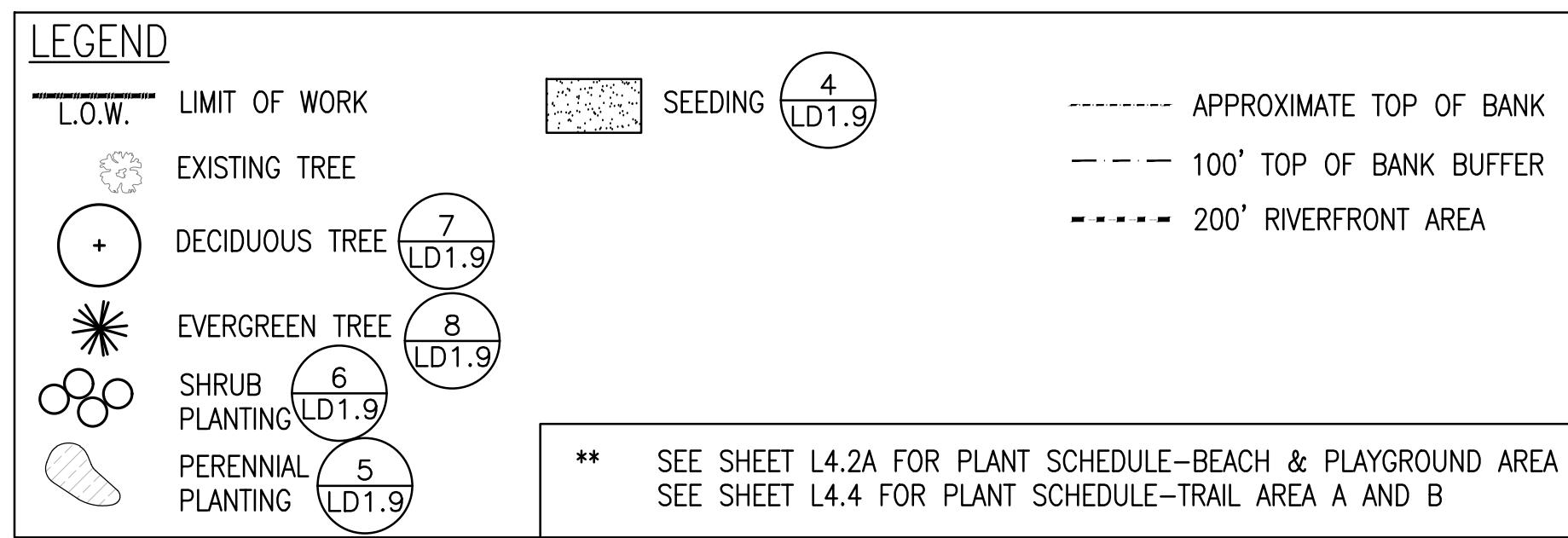
L4.2



# 1 ENLARGEMENT PLAN

SCALE: 1"=10'-0"

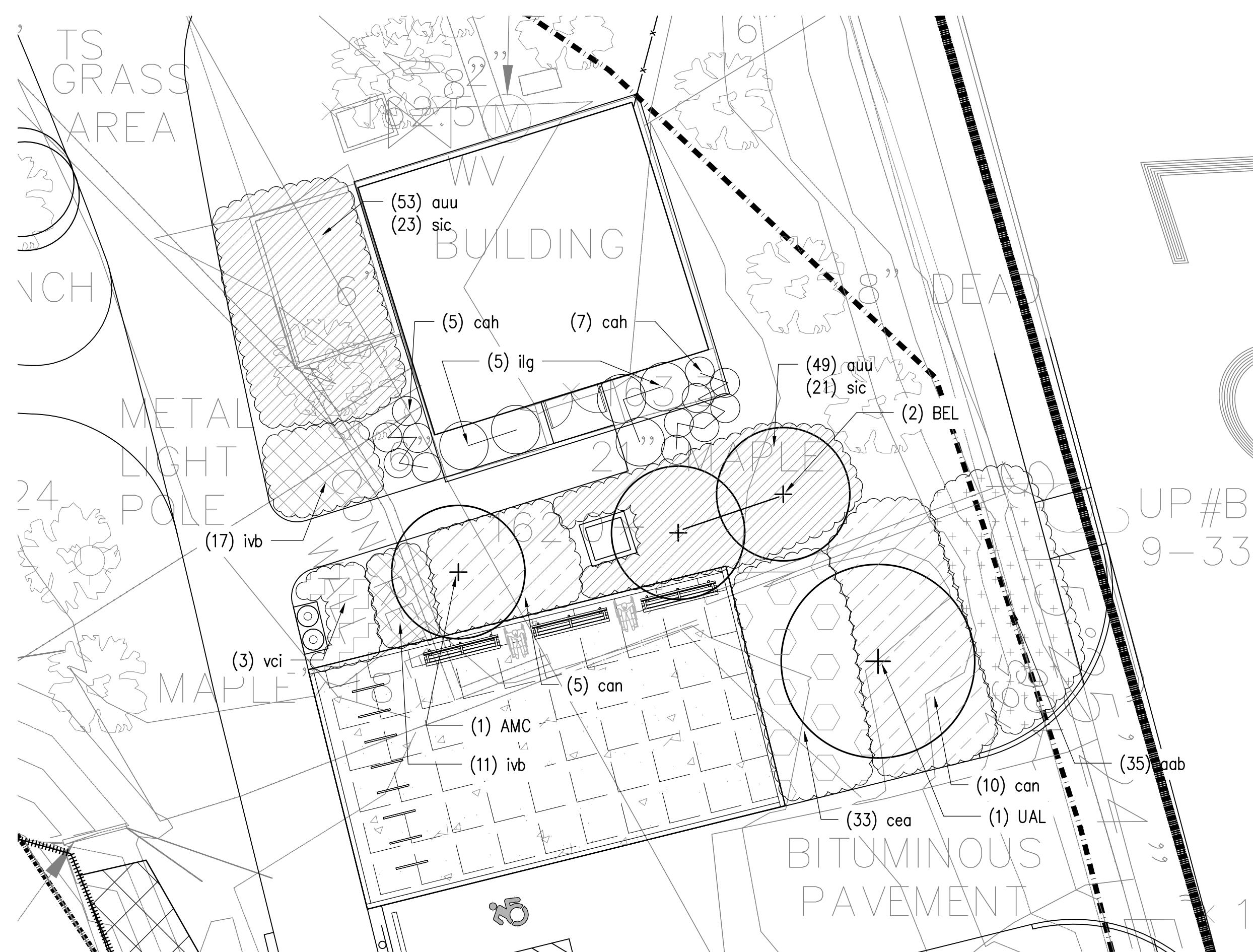
## **PLANT SCHEDULE**



The image displays a detailed map of a river's meander. The river flows from the bottom right towards the top left, creating a prominent bend. The map is divided into several sections by dashed lines:

- Section 1**: Located at the top right, this section shows a complex network of smaller channels and backwaters.
- Section 2**: Located in the middle right, this section contains a large, irregularly shaped area with a diagonal hatching pattern.
- Section 3**: Located at the bottom center, this section shows a close-up view of the river's edge and its immediate surroundings.
- Section 4**: Located on the left side, this section shows the river's course as it begins to turn.
- Section 5**: Located at the top center, this section shows the river's course as it continues downstream.

KEY PLAN



## 2 ENLARGEMENT PLAN

SCALE: 1"=10'-0"



# WILMINGTON SERVOIR - CASE 2

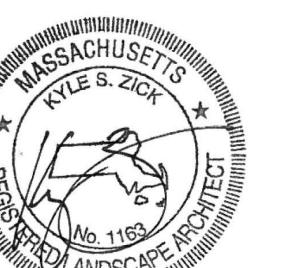
## ARLINGTON, MASSACHUSETTS

# TOWN OF ARLINGTON

# TOWN OF ARLINGTON

NO.	REVISION	DATE
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The logo consists of the lowercase letters "kzla" in a bold, sans-serif font. The letters are dark gray, set against a white background.



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**Job Number:**

**Project:** ARLINGTON RES

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Date: NOVEMBER 13, 2020

Date: NOVEMBER 13, 2020

Scale: 1"=10'-0"

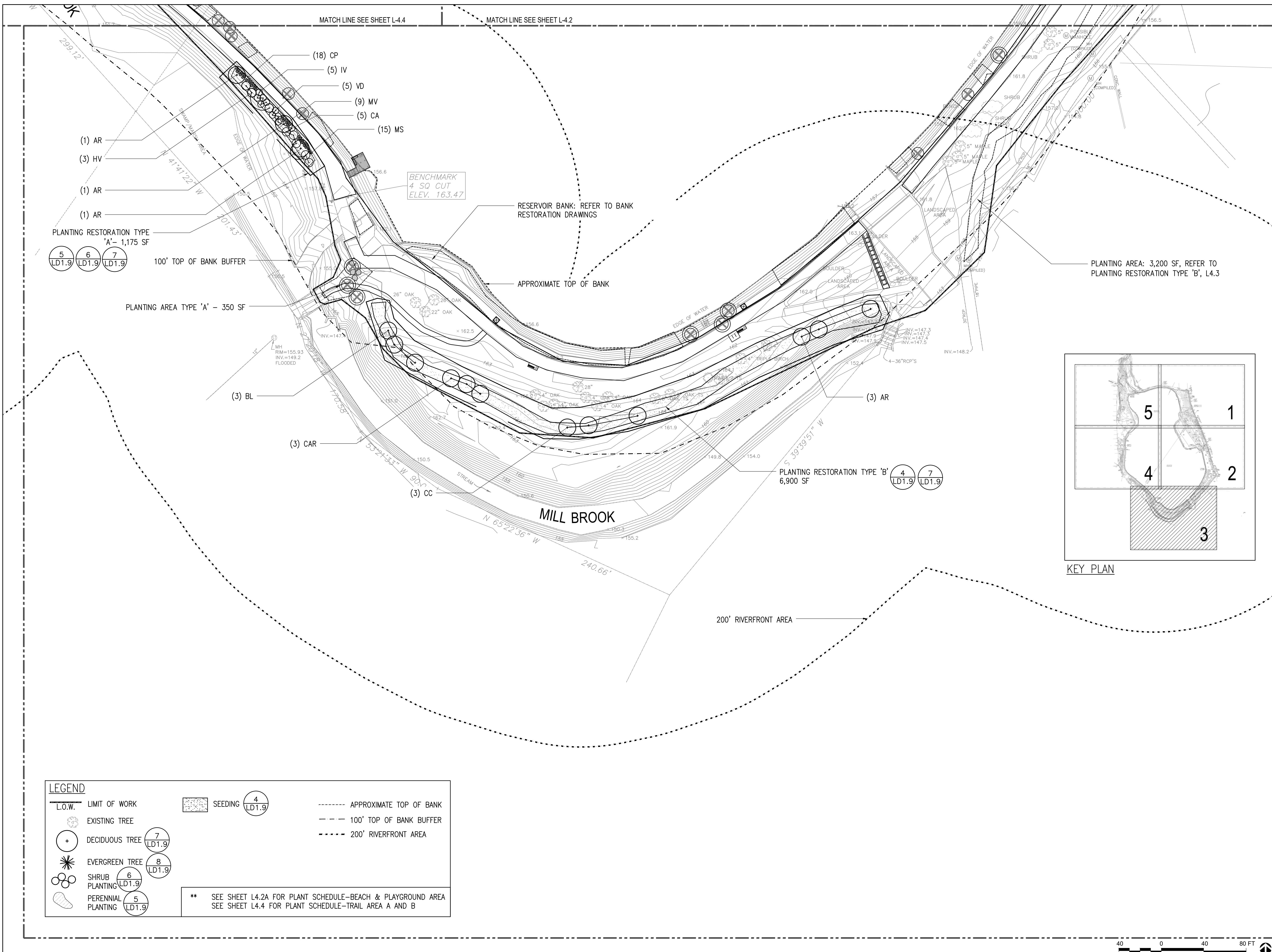
### Drawing title:

## **ENLARGED PLANTING PLAN**

# L4.2A

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



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Drawn By: JL/MD/RB Checked By: KZ

Date: NOVEMBER 13, 2020

Scale: 1=40'-0"

Drawing Title:

PLANTING PLAN

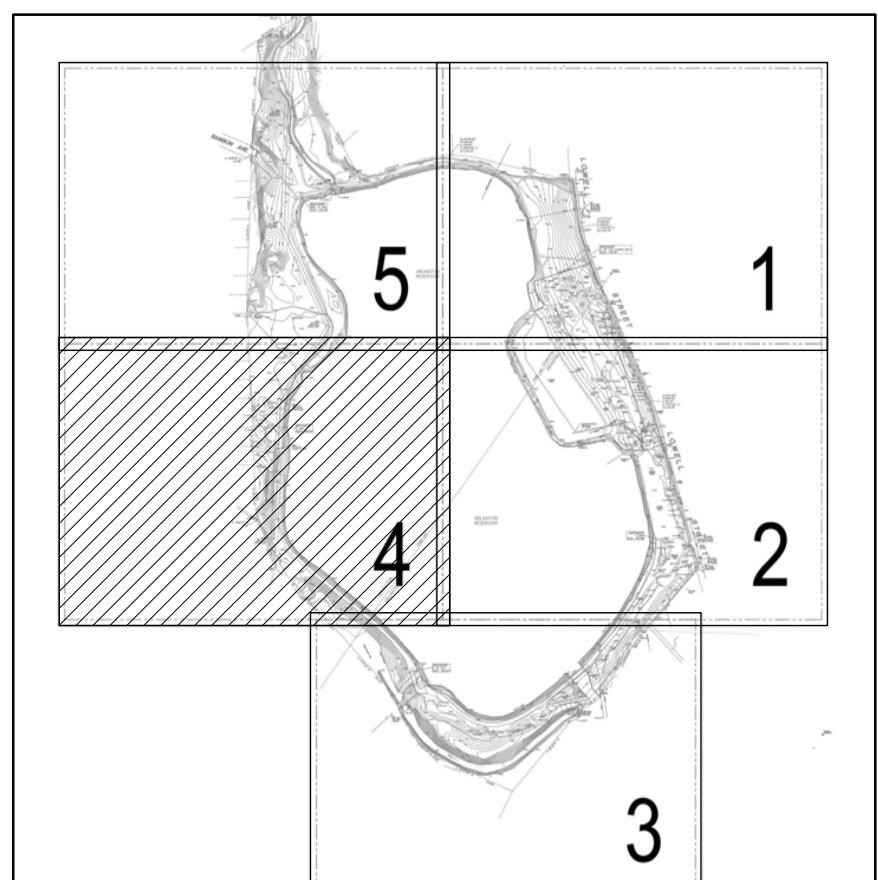
**L4.3**

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON

MATCH LINE SEE SHEET L4.2



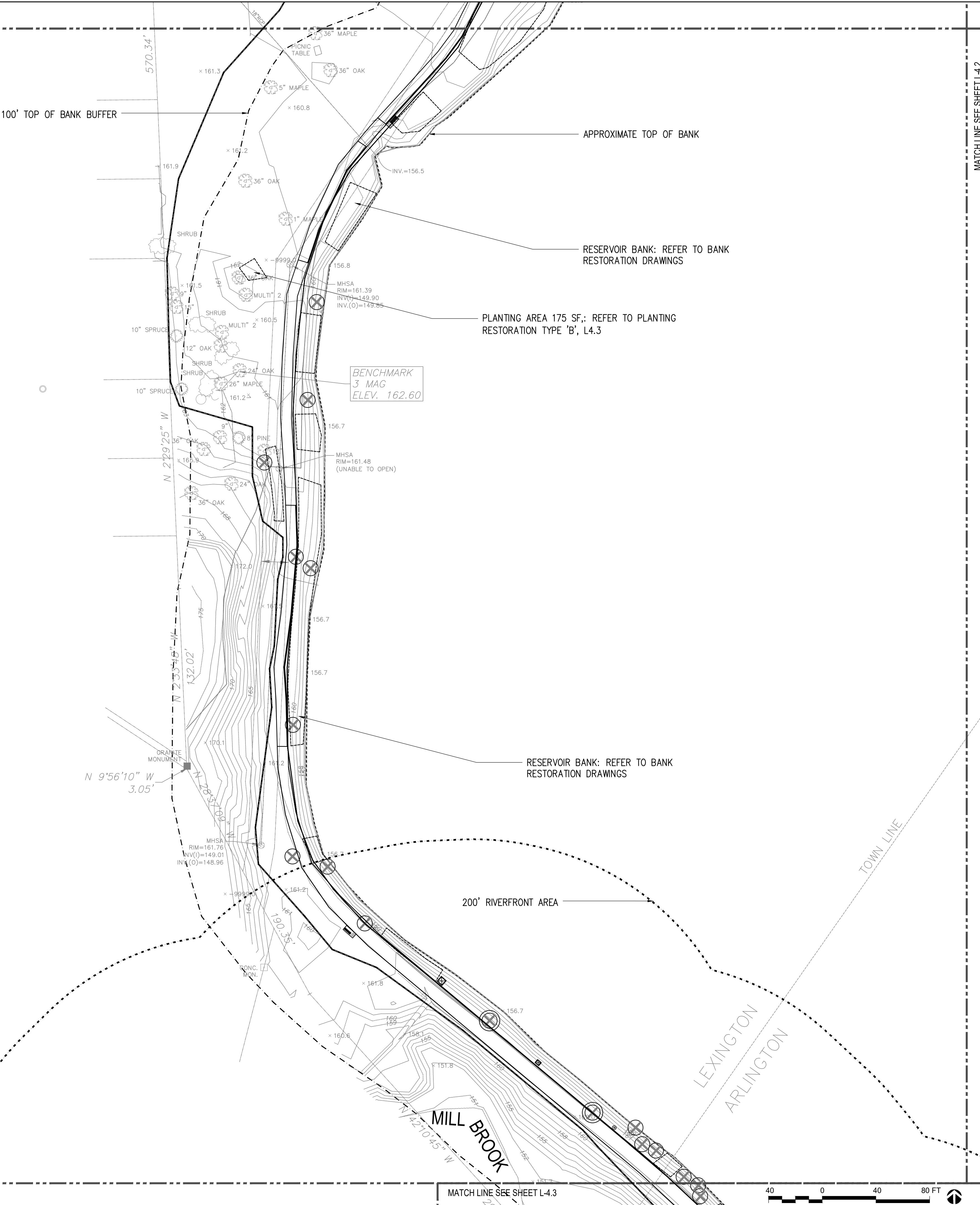
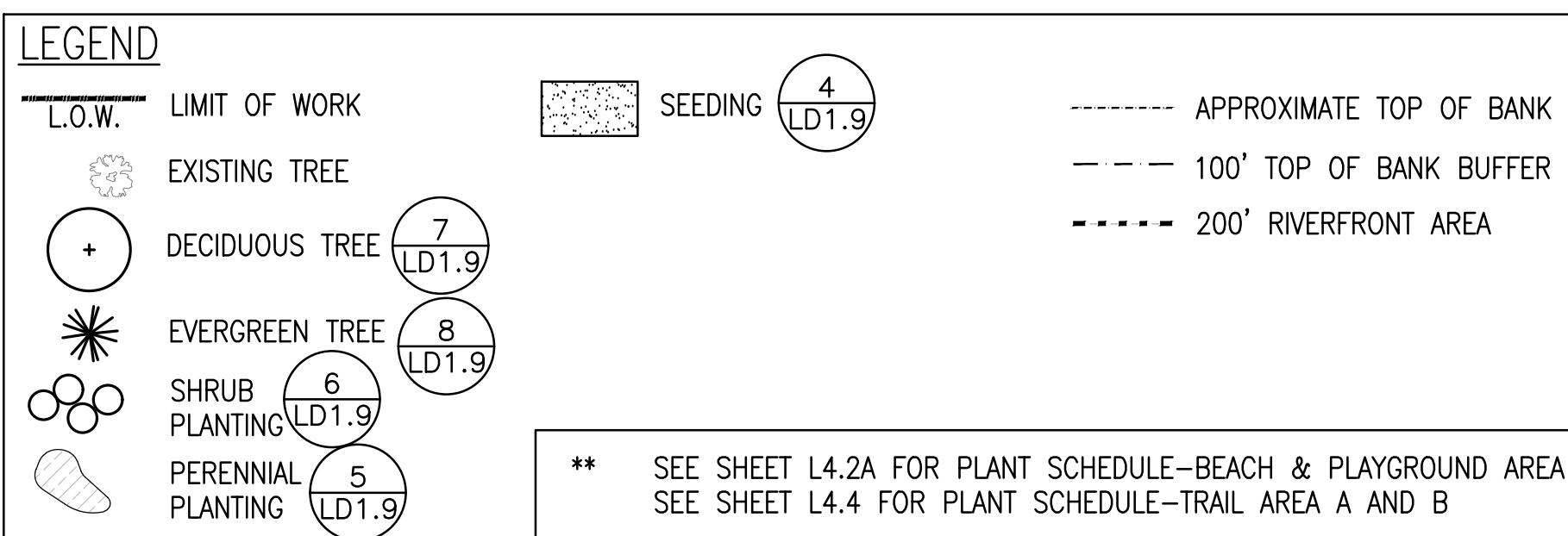
KEY PLAN

**PLANT SCHEDULE - Plant Restoration Type 'A'**

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
<b>TREES</b>					
AR	3	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	1.5" CAL.	
HV	3	HAMAMELIS VIRGINIANA	WITCHHAZEL	4'-5' CLUMP	
<b>SHRUBS</b>					
CA	5	CLETHRA ALNIFOLIA	SWEET PEPPERMINT	5 GAL.	4'-6" O.C.
IV	5	ILEX VERTICILLATA 'BERRY POPPINS'	COMPACT WINTERBERRY	5 GAL.	2'-6" O.C.
VD	5	VIBURNUM DENTATUM 'BLUE MUFFIN'	COMPACT ARROWWOOD	5 GAL.	3'-0" O.C.
<b>PERENNIALS</b>					
MV	9	MERTENSIA VIRGINICA	VIRGINIA BLUEBELLS	1 GAL.	12" O.C.
MS	15	MATTEUCCIA STRUTHIOPTERIS	OSTRICH FERN	1 GAL.	12" O.C.
CP	18	CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE		

**PLANT SCHEDULE - Plant Restoration Type 'B'**

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
<b>TREES</b>					
AR	3	ACER RUBRUM 'OCTOBER GLORY'	RED MAPLE	1.5" CAL.	
BL	3	BETULA LENTA	SWEET BIRCH	8' CLUMP	
CC	3	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	3" CAL.	
CAR	3	CERCIS CANADENSIS 'APPALACHIAN RED'	REDBUD	3" CAL.	
<b>SEED</b>					
6900 SF NATIVE PERENNIAL RESTORATION SEED MIX: REFER TO SPECS					



L4.4

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Scale: 1=40'-0"

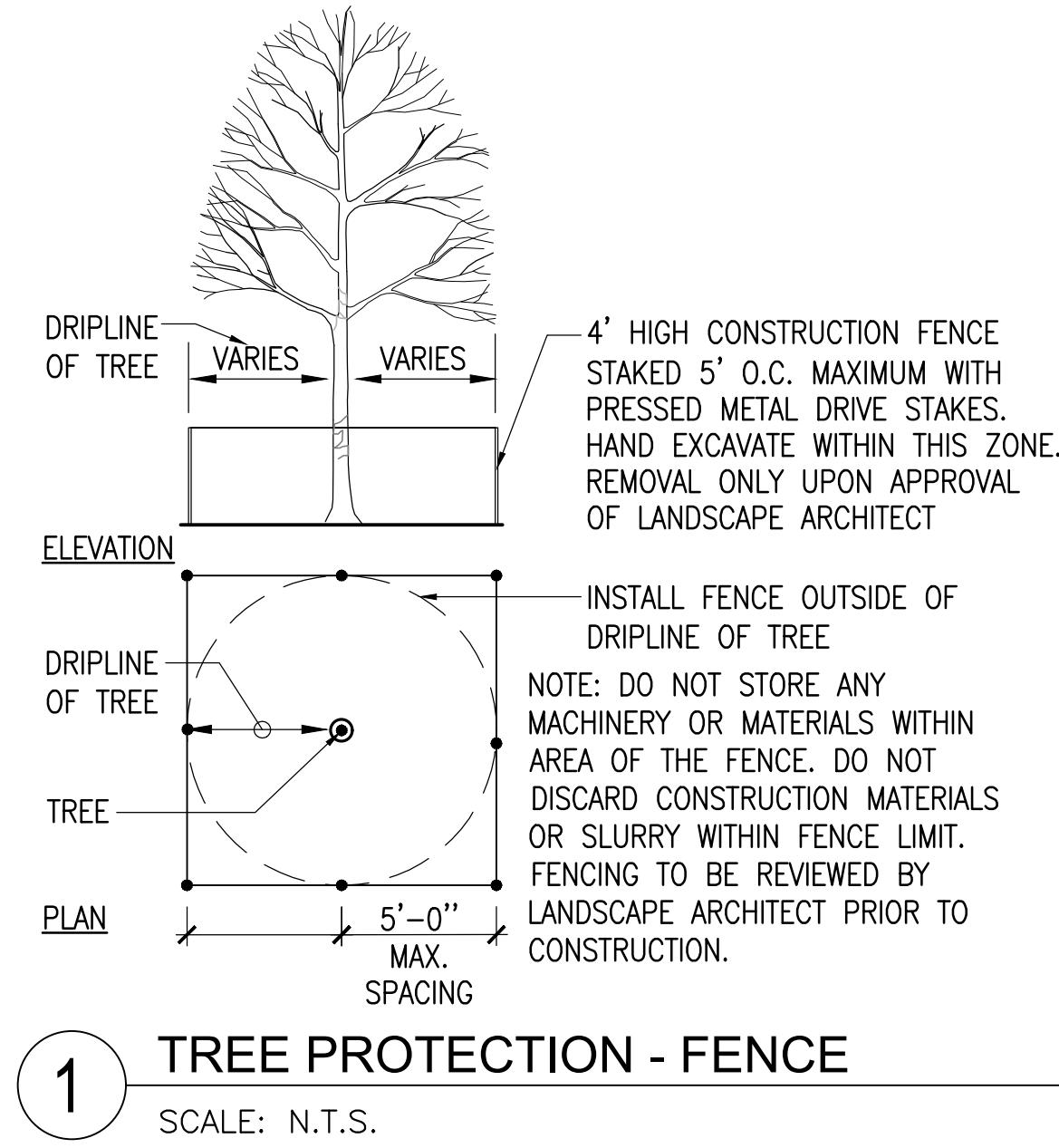
Drawing Title:

PLANTING PLAN



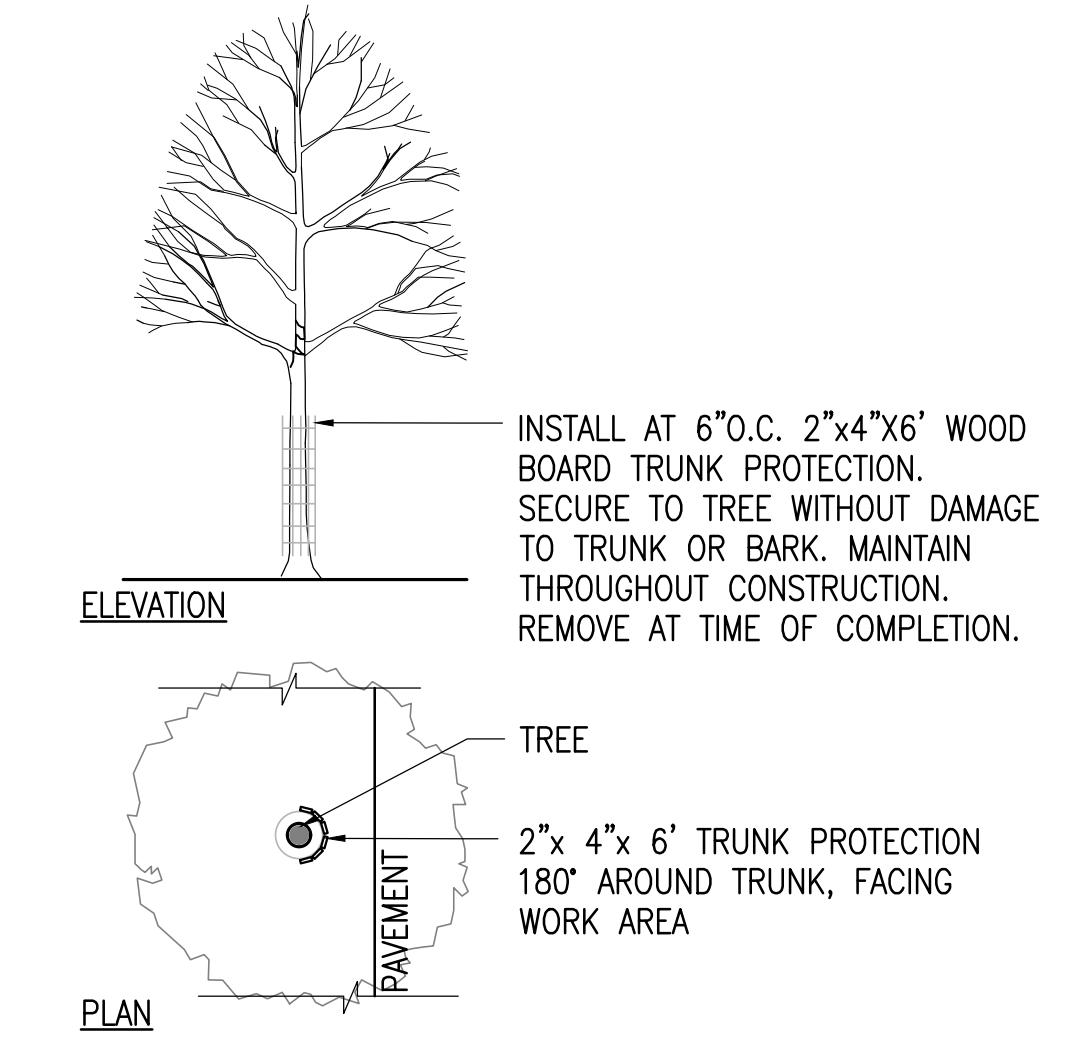
**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



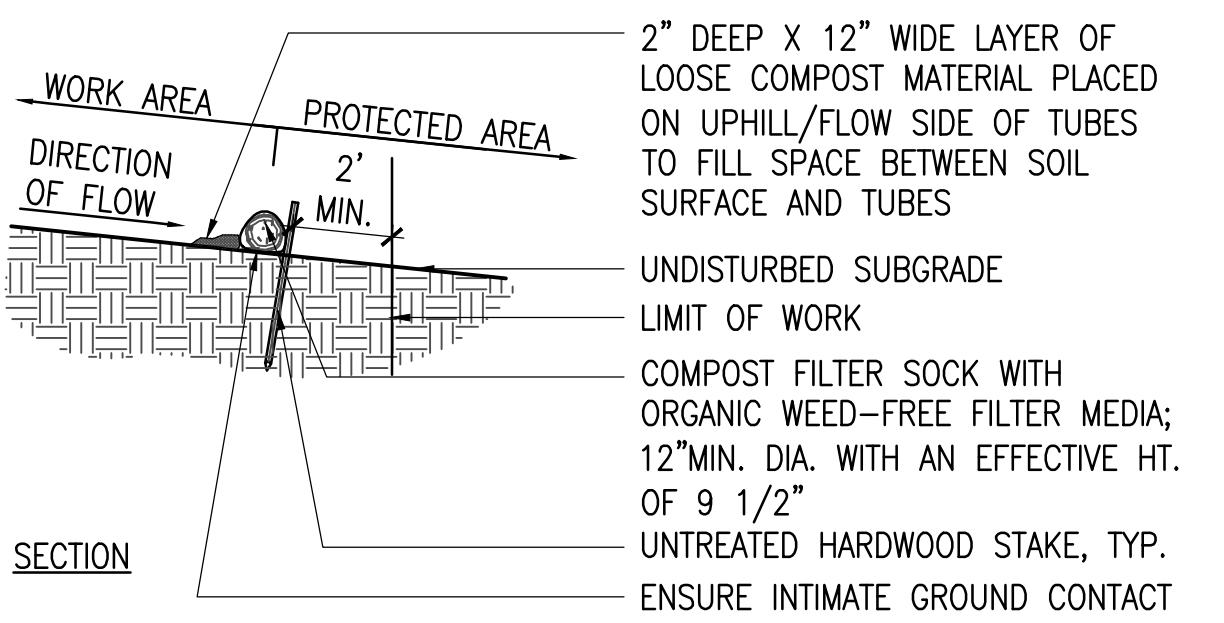
**1 TREE PROTECTION - FENCE**

SCALE: N.T.S.



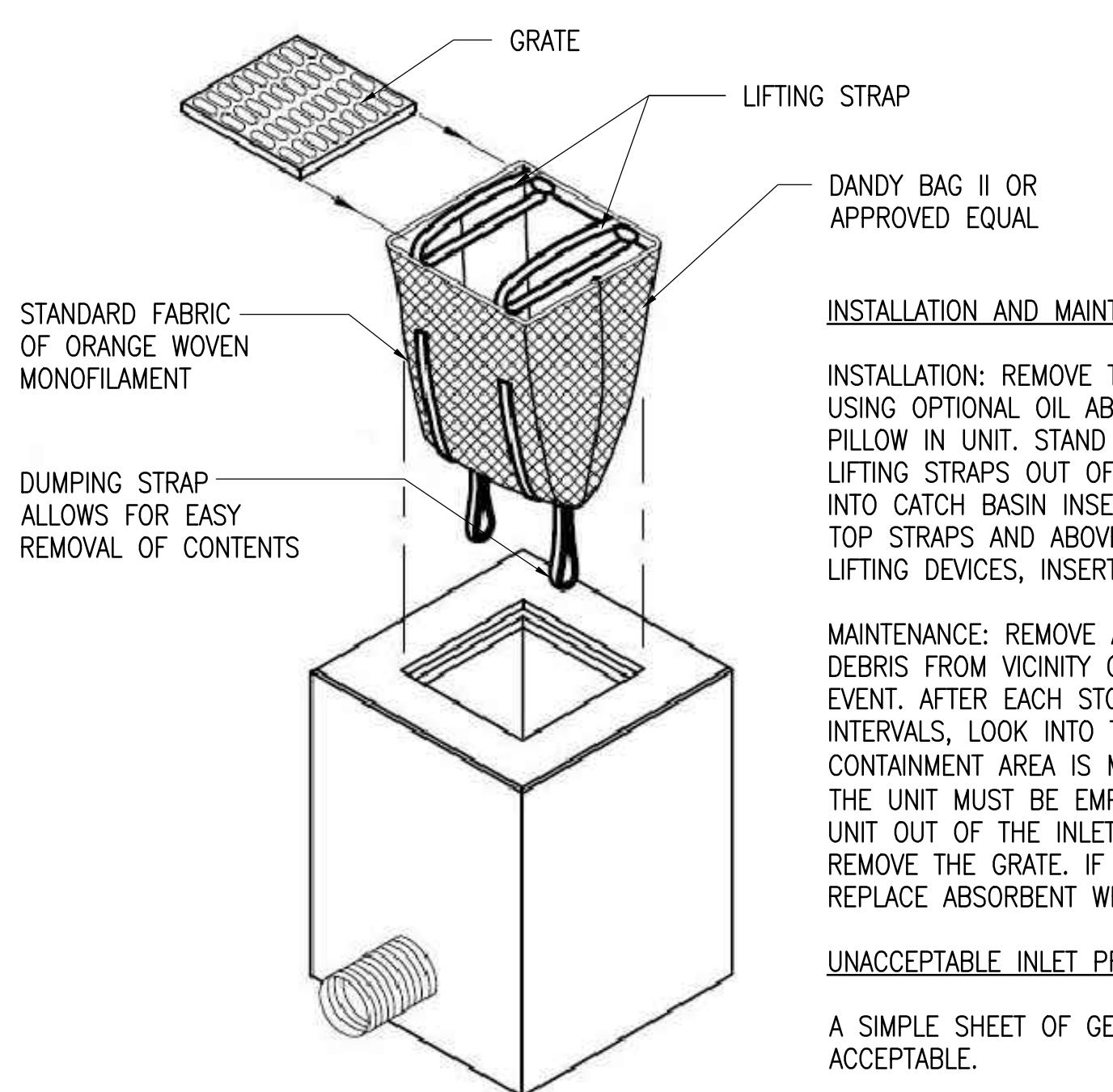
**4 TREE PROTECTION - WOOD BOARD**

SCALE: N.T.S.



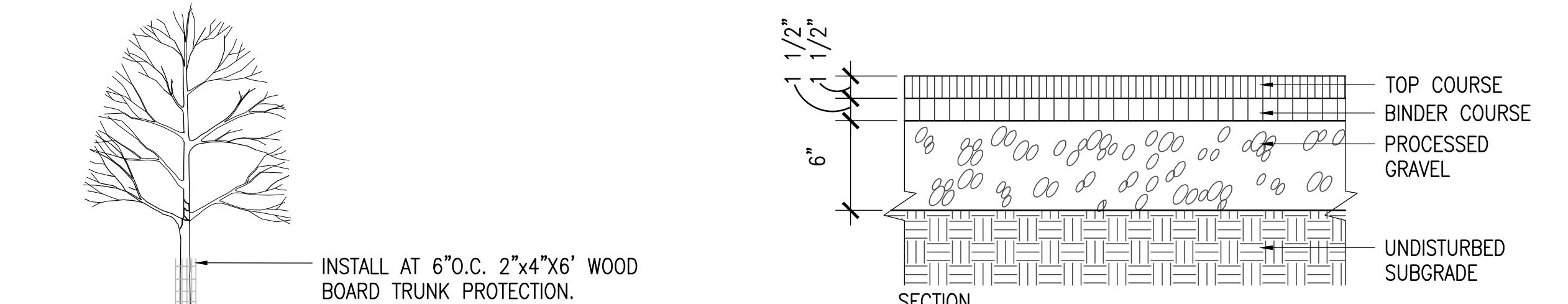
**2 EROSION CONTROL - COMPOST FILTER SOCK**

SCALE: N.T.S.



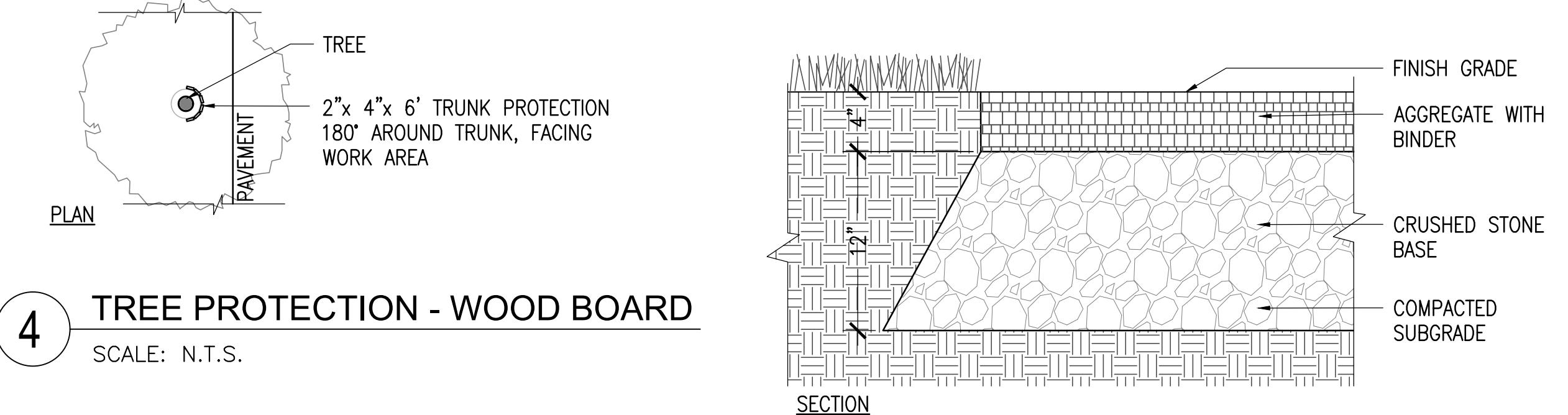
**3 SILT SACK**

SCALE: N.T.S.



**7 PEDESTRIAN ASPHALT**

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



**8 POROUS PAVEMENT**

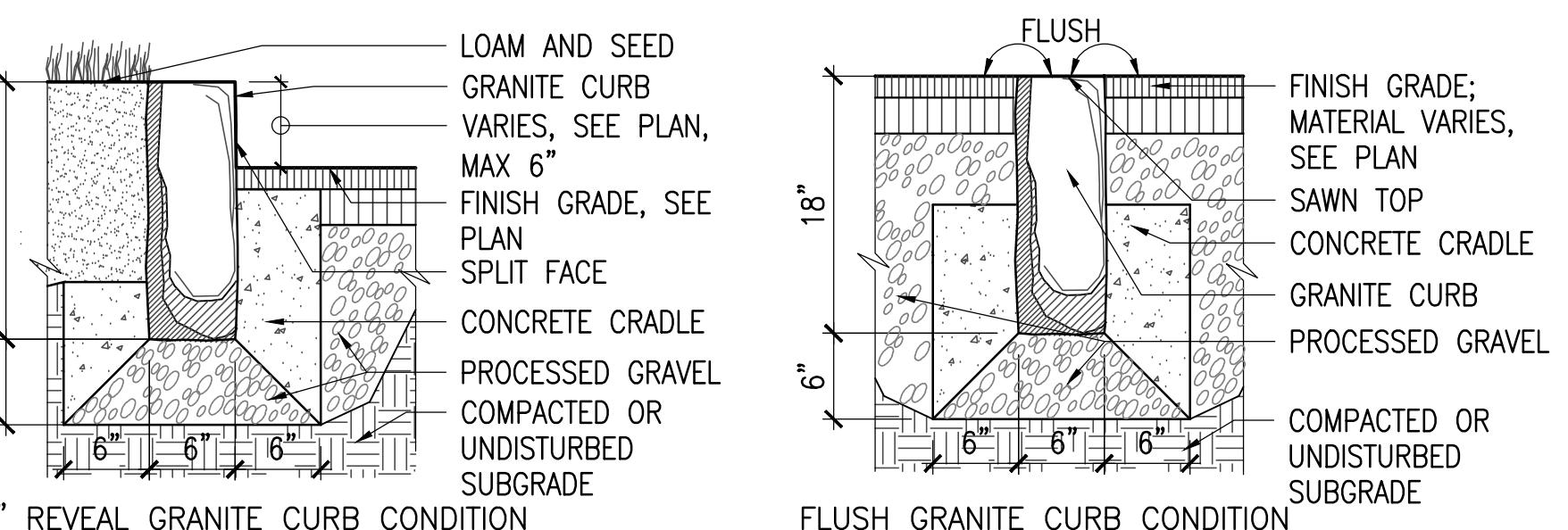
SCALE: 1 1/2" = 1'-0"

FINISH GRADE, SEE PLAN - MATERIAL VARIES  
SEE GRADING PLAN FOR PROPER SLOPE  
THICKENED EDGE  
CONTROL JOINTS, TYP.  
CONCRETE SLAB WITH MEDIUM BROOM FINISH. DIRECTION OF FINISH TO BE PERPENDICULAR TO THE LONGITUDINAL DIRECTION OF PAVEMENT UNLESS OTHERWISE NOTED ON PLANS.  
6 X 6, W2.9 X W2.9 WELDED WIRE MESH  
PROCESSED GRAVEL-COMPACTED  
COMPACTED SUBGRADE

SECTION  
1/3 DEPTH  
3/16" SAWCUT CONTROL JOINT  
CONCRETE PAVEMENT, MEDIUM BROOM FINISH, SEE SPECS.  
NOTE: DOWEL IS TYPICAL AT ALL E.J.'S EXCEPT AGAINST VERTICAL JOINTS WITH WALLS, CURBS, OR SITE IMPROVEMENTS  
CONTROL JOINT SCALE: N.T.S.  
3" EDGE TOOL SURFACE  
MEDIUM BROOM FINISH, SEE SPECS.  
SPECIFIED SEALANT TO MIN. 1/2" DEPTH  
3/8" 12" EXPANSION SLEEVE, WAXED TO PREVENT BONDING  
#6 SMOOTH DOWEL, 2'-0" LONG, 18" O.C.  
PREMOLDED EXPANSION JOINT, CUT BACK AS NECESSARY AFTER POUR  
EXPANSION JOINT SCALE: N.T.S.

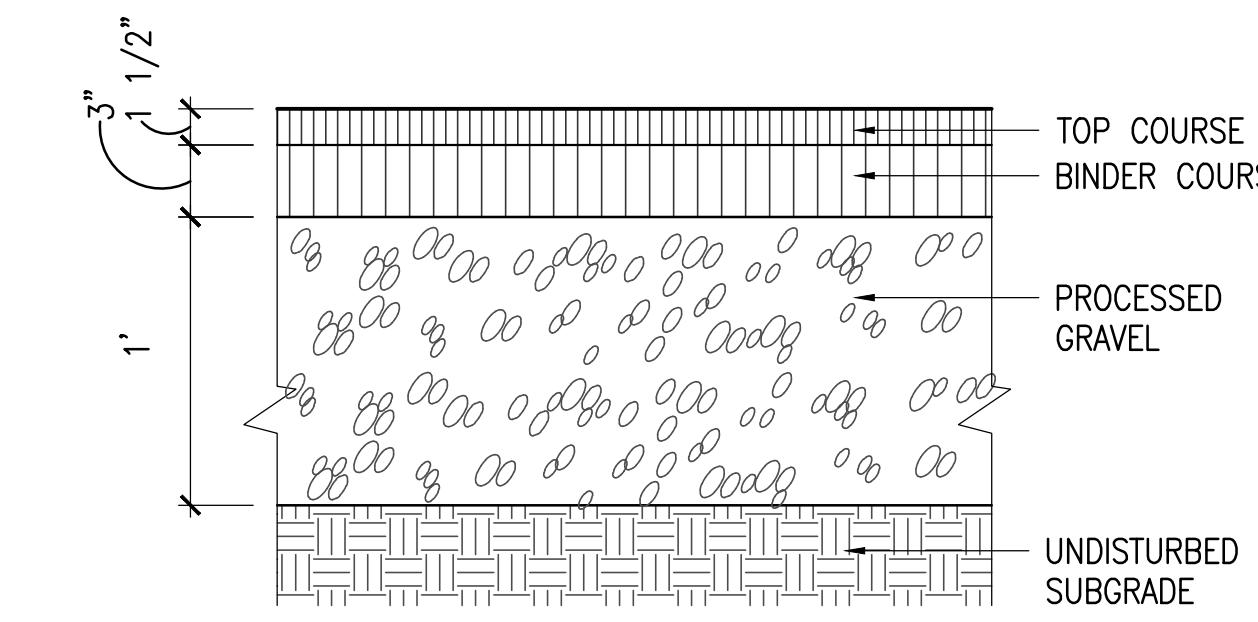
**5 CONCRETE PAVEMENT**

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



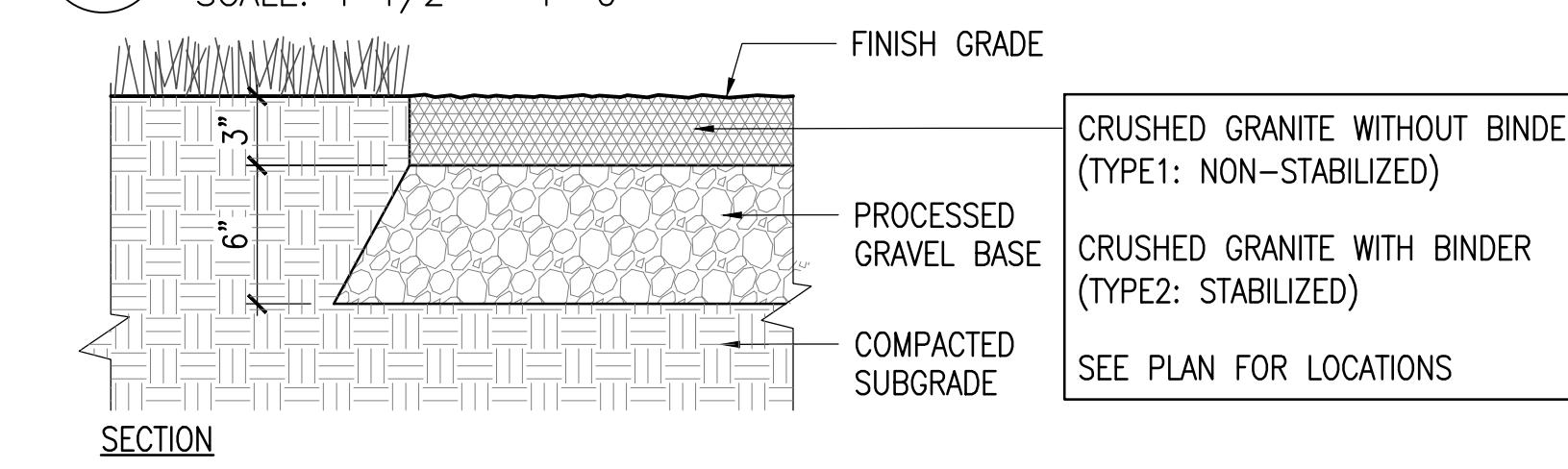
**6 GRANITE CURB**

SCALE: 1" = 1'-0"



**9 VEHICULAR ASPHALT**

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



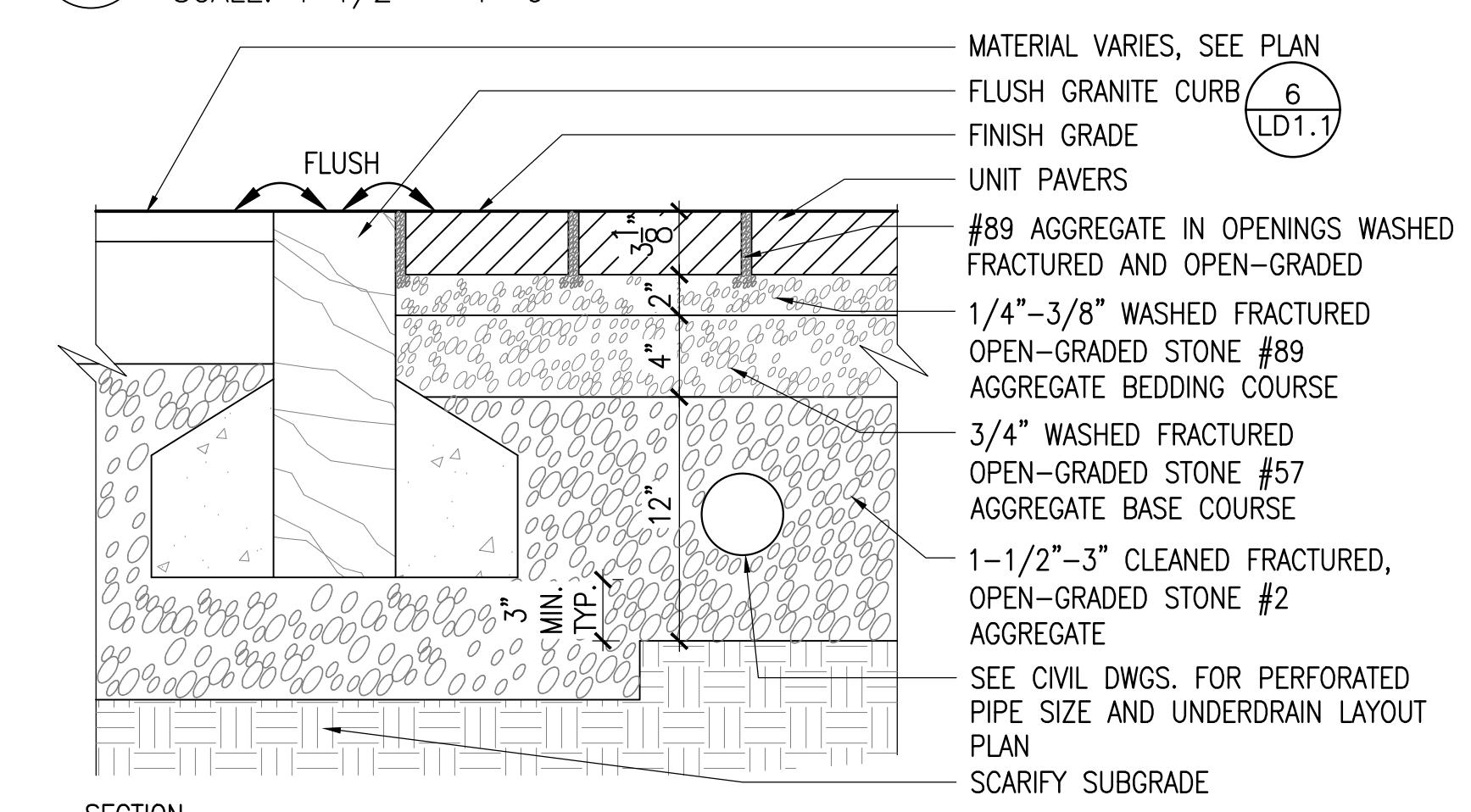
**10 CRUSHED GRANITE PAVEMENT**

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

GRADE TO DRAIN, TYP. TOPSOIL AND SEED, TYP. 1.5% MAX. EX. GRADE CRUSHED GRANITE SCARIFY TRAIL SURFACE EX. TRAIL SURFACE EX. TRAIL SUBBASE SUBGRADE

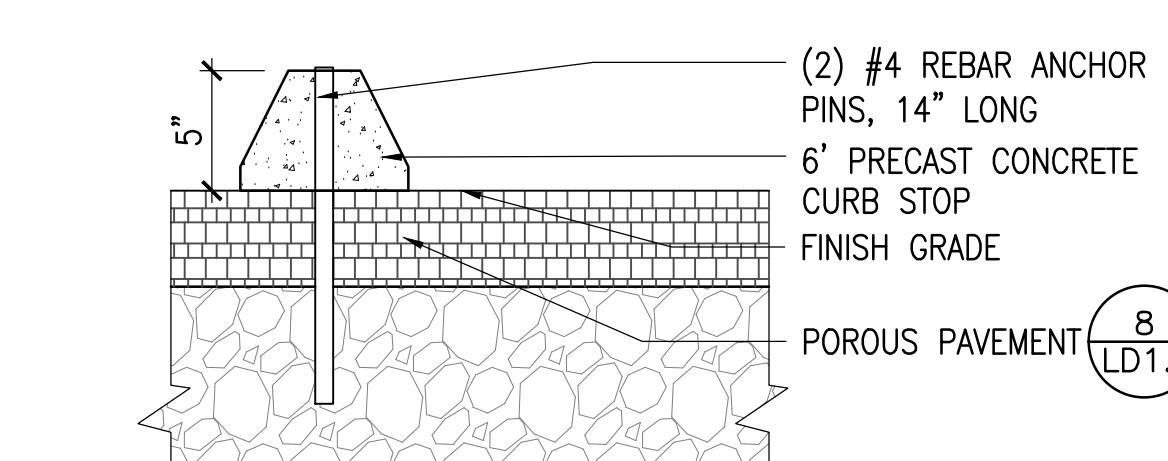
**11 RESTORE EXISTING STONEDUST TRAIL**

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



**12 PERMEABLE CONCRETE UNIT PAVER**

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



NOTES:  
1. CURB STOPS TO BE 6' LONG  
2. SET ON CENTER TO PARKING SPACE

**13 CONCRETE CURB STOP**

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

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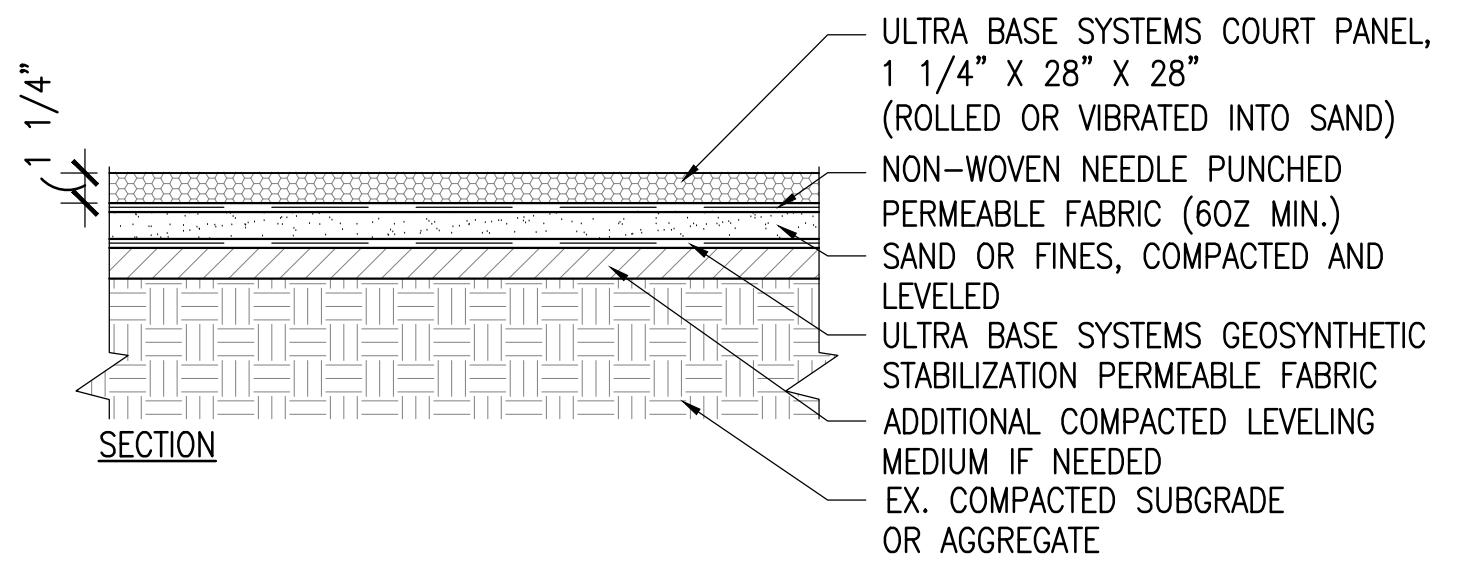
Drawing Title:

DETAILS

**LD1.1**

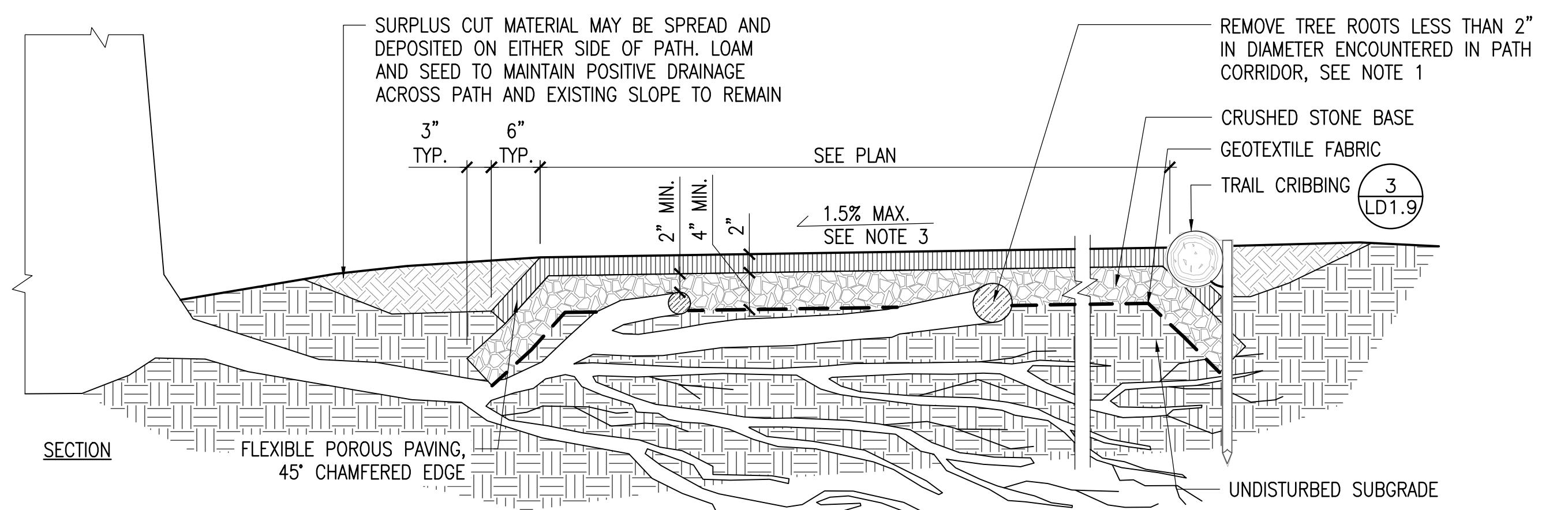
**ARLINGTON  
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ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



**1 PERMEABLE ATHLETIC COURT SURFACING**

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

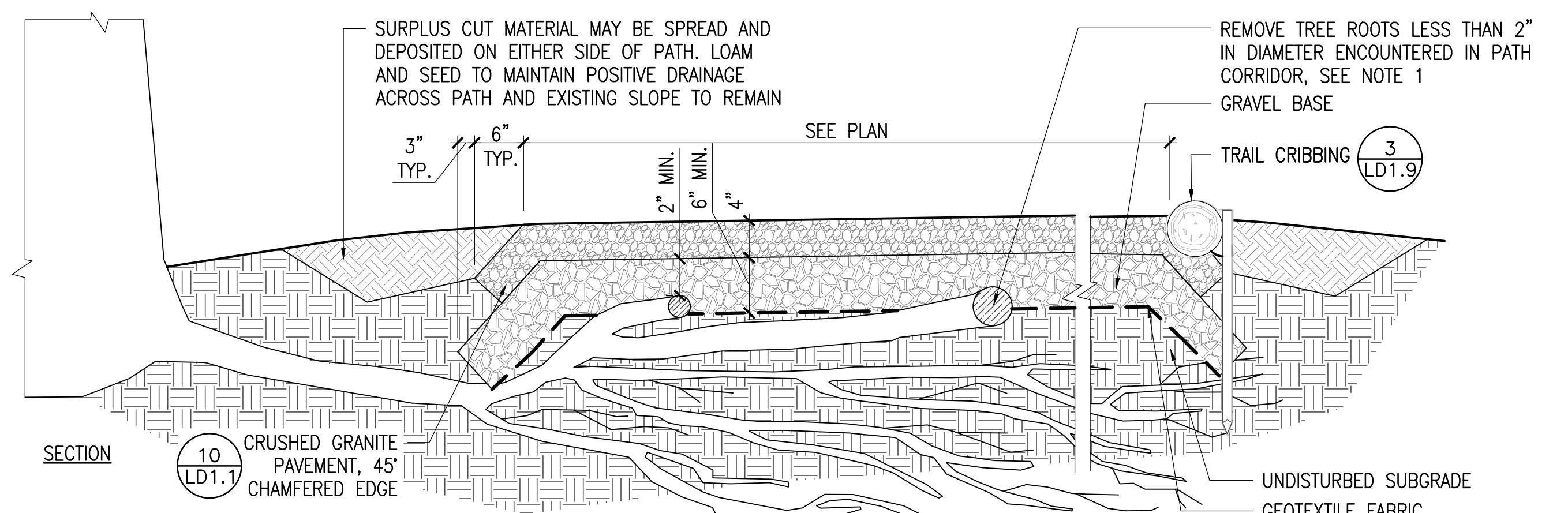


NOTE:

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.

**2 RUBBER SURFACING - TRAIL (ADD ALTERNATE)**

SCALE: 1" = 1'-0"

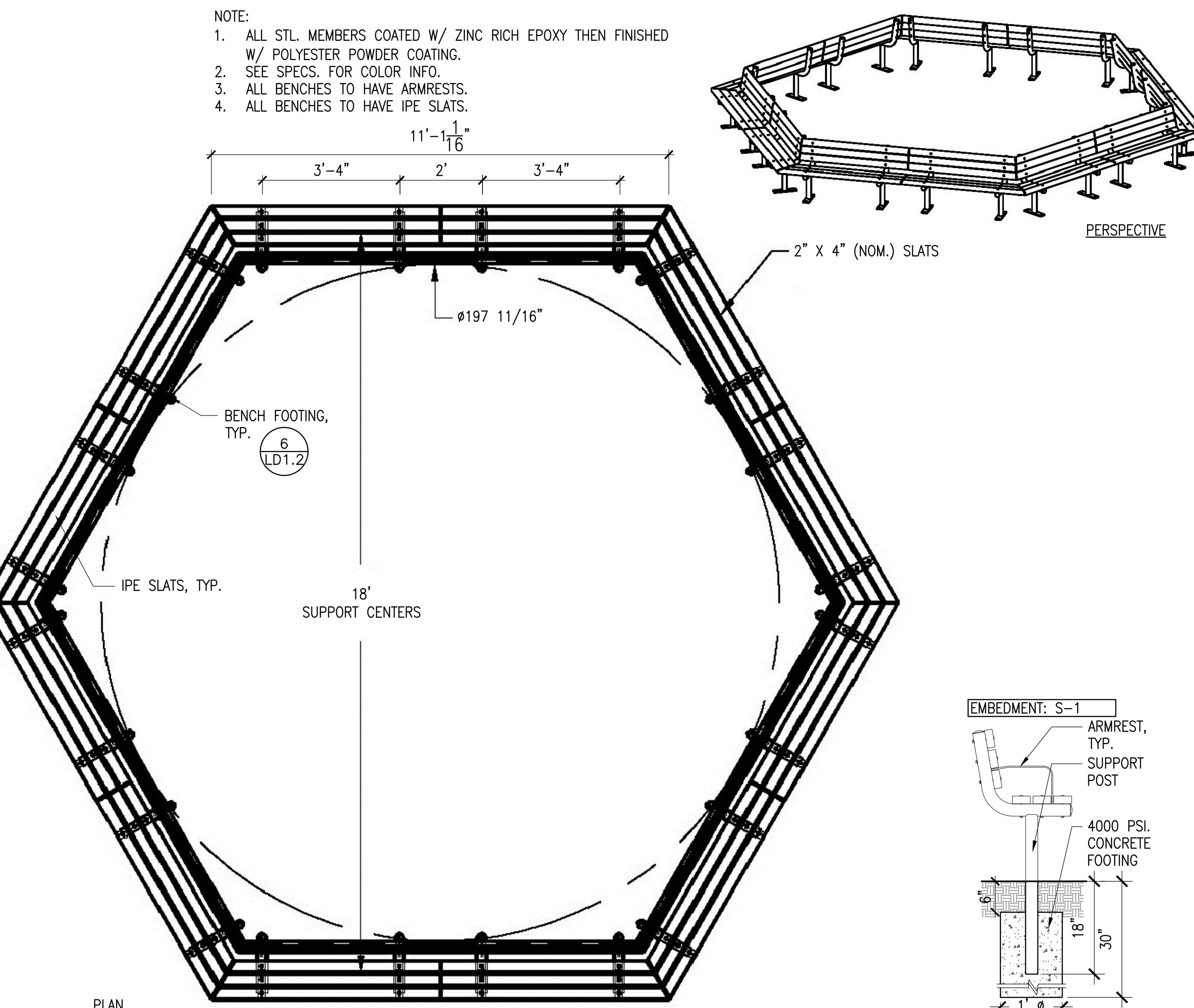


NOTE:

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 STONEDUST PAVING. AT LEAST 2" OF STONE SHALL COVER THE TOP OF ROOTS BEFORE STONEDUST 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.

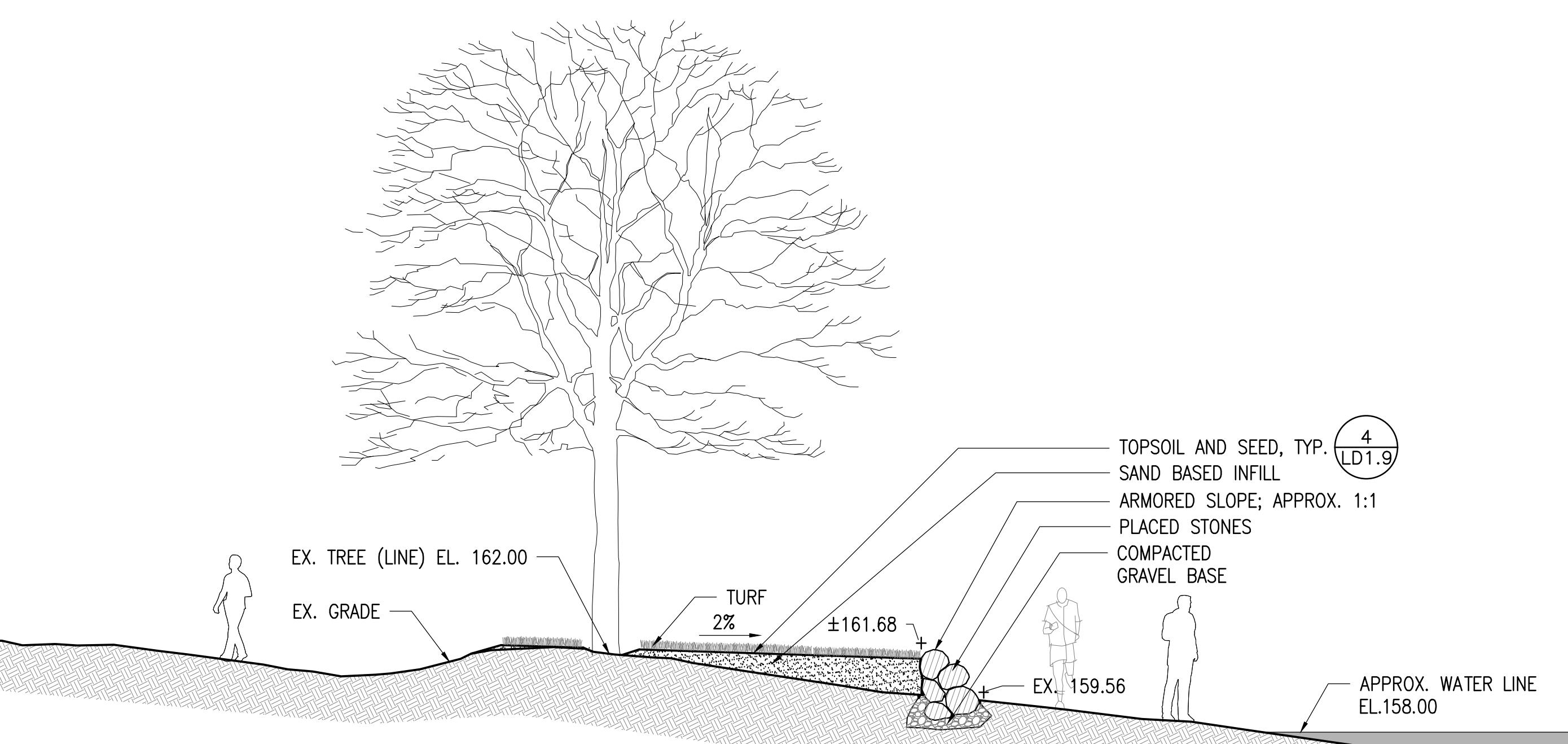
**3 STABILIZED CRUSHED GRANITE PAVEMENT OVER TREE ROOTS**

SCALE: 1" = 1'-0"



**4 HEXAGONAL BENCH**

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



**5 ARMORED SLOPE AT BEACH**

SCALE: 3/16" = 1'-0"

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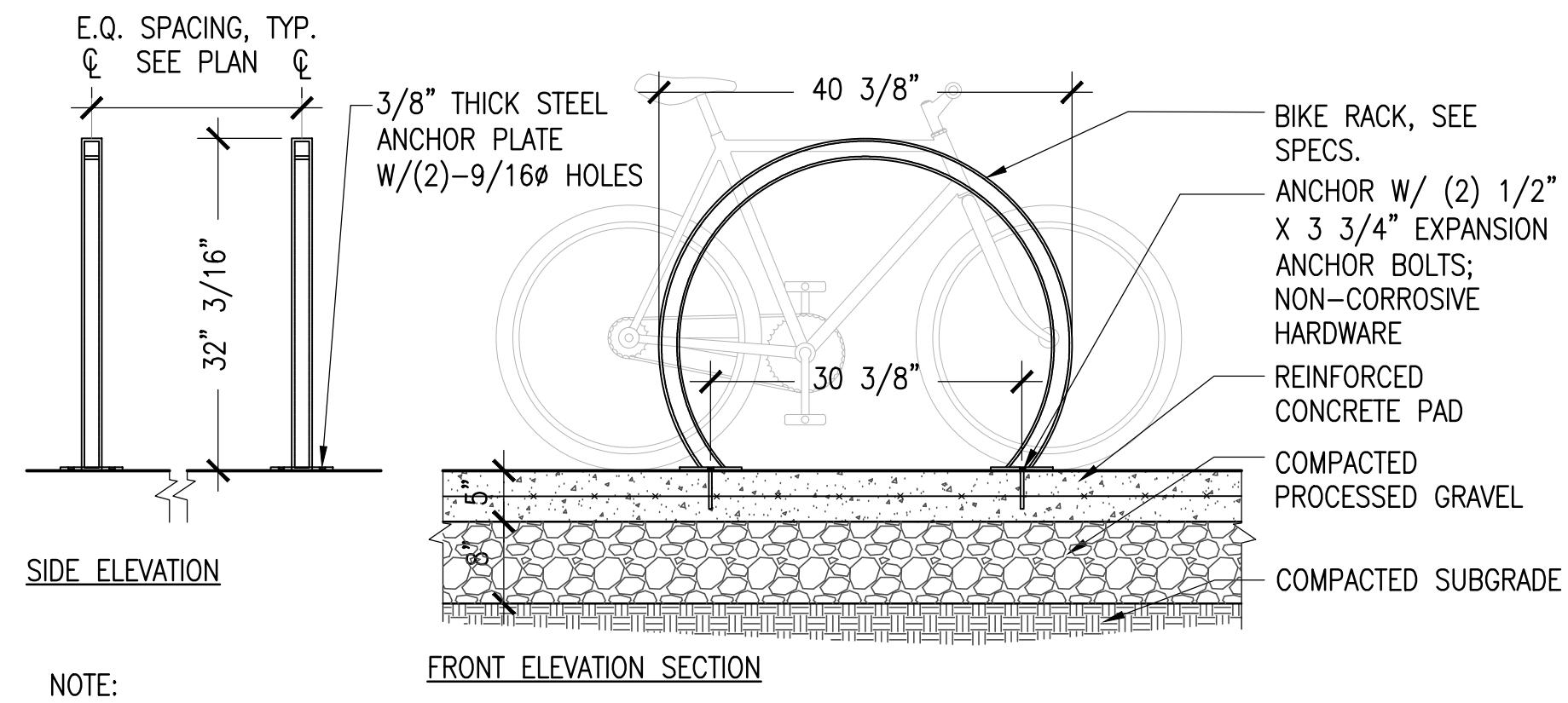
Drawing Title:

DETAILS

**LD1.2**

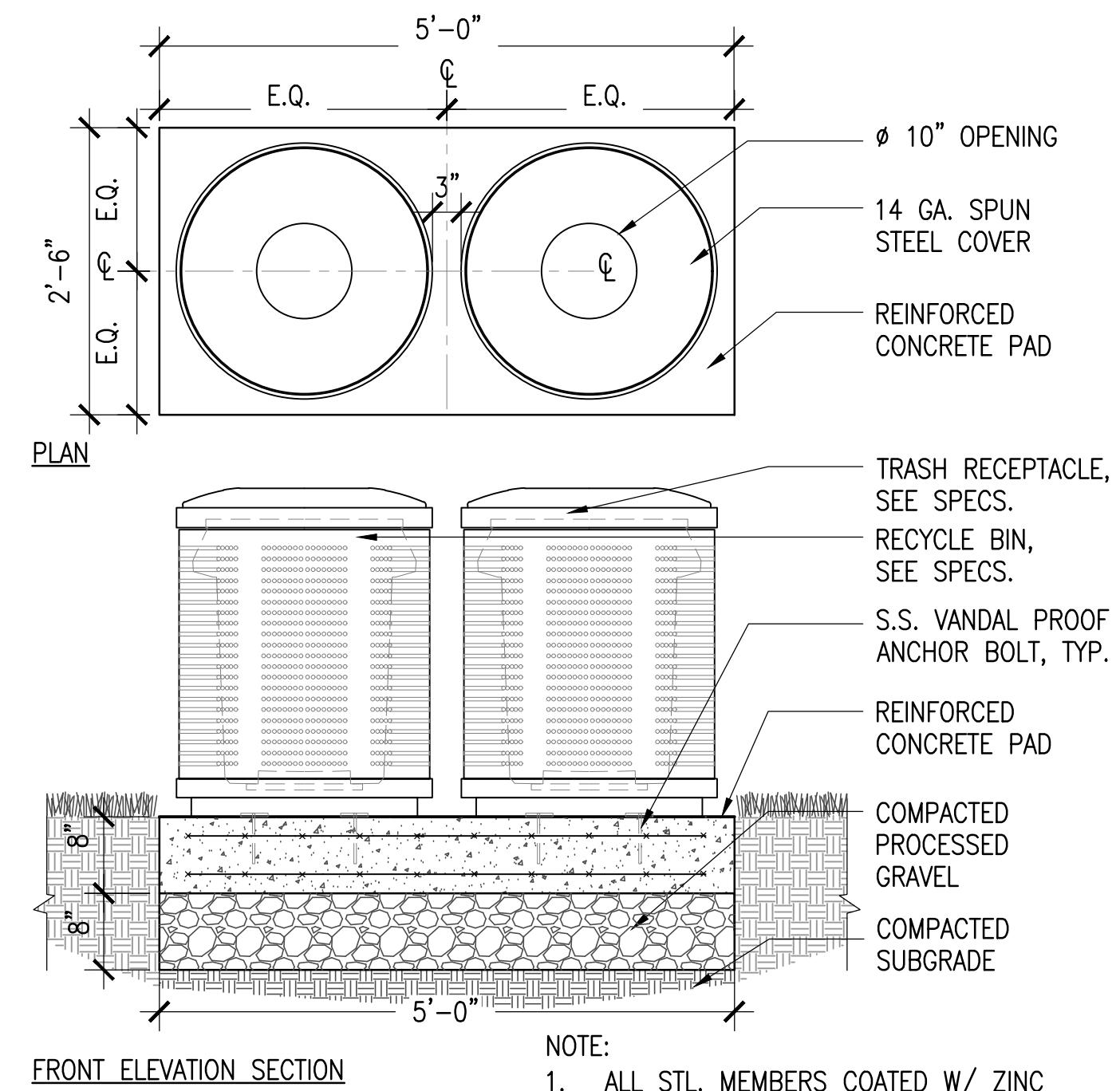
**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



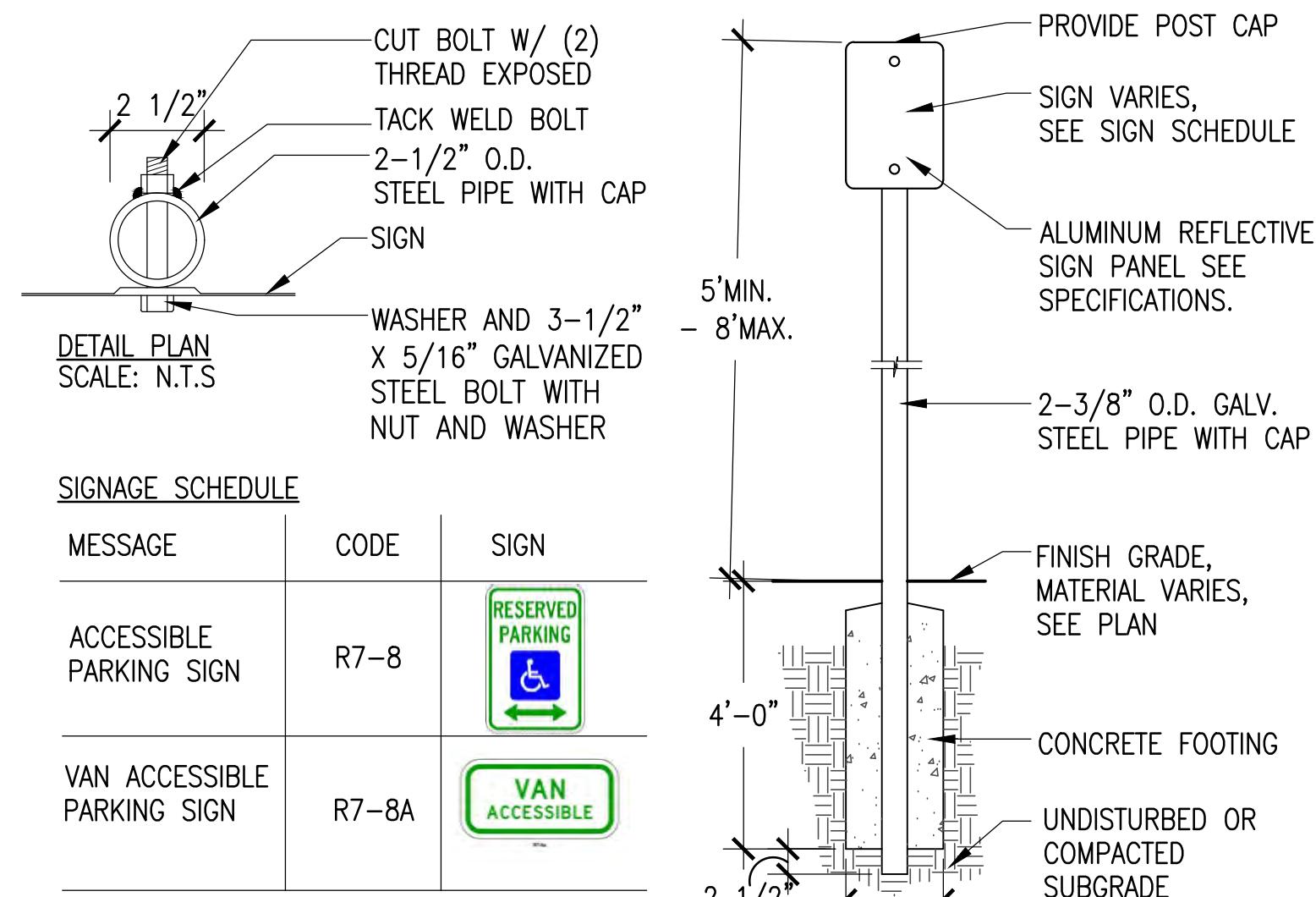
**1 BIKE RACK**

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



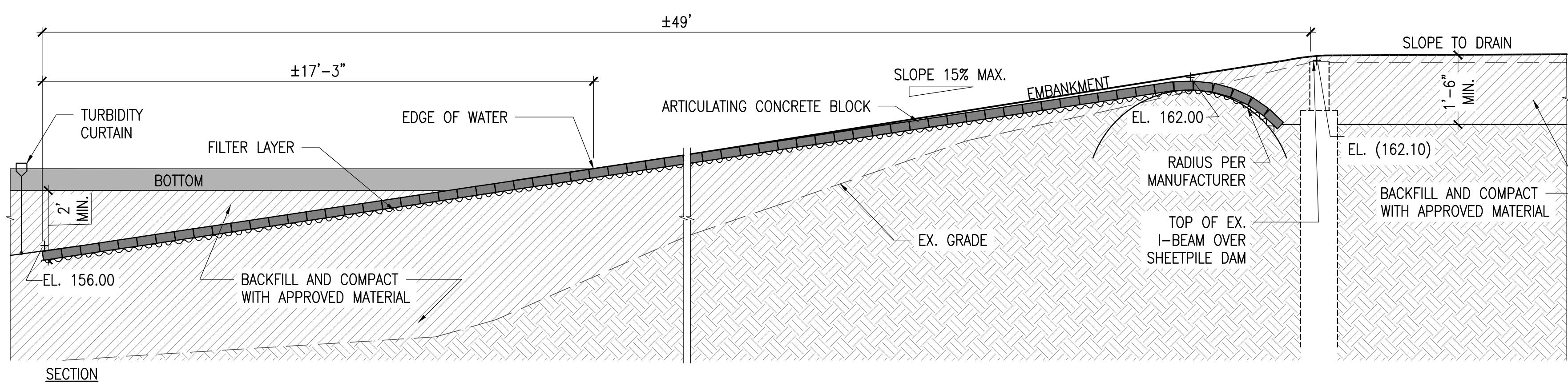
**2 TRASH RECEPTACLE AND RECYCLING BIN**

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



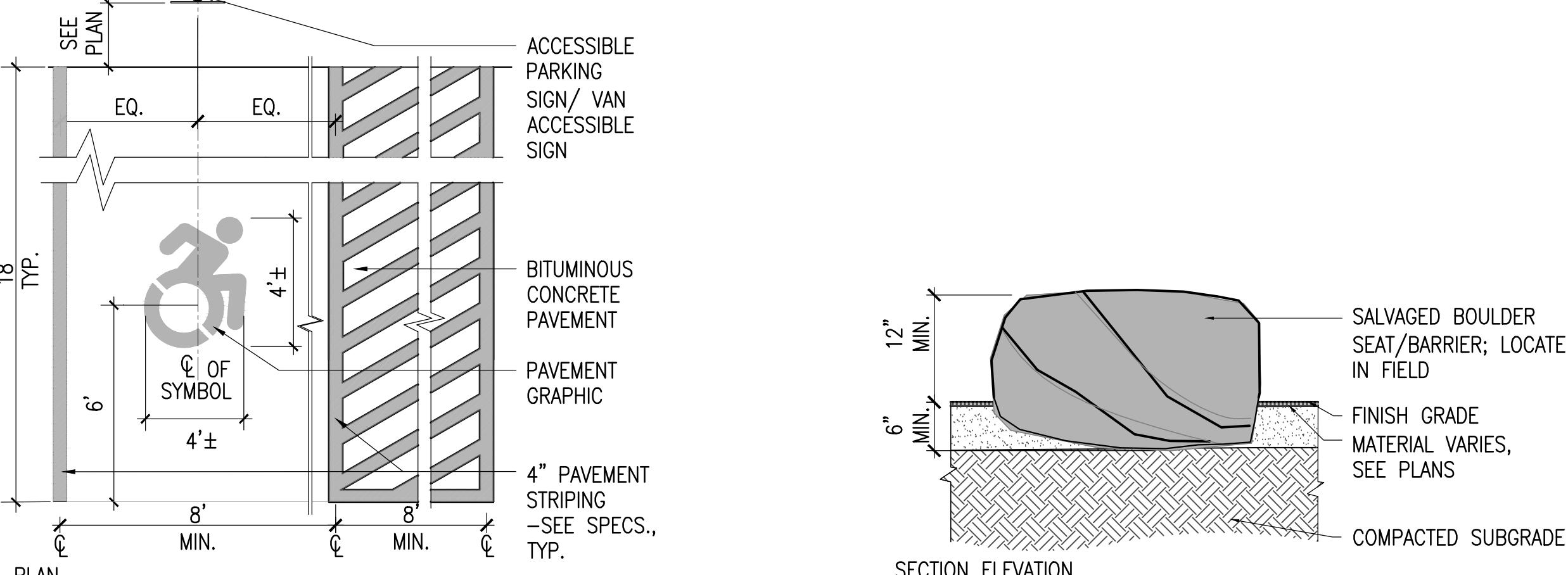
**3 ACCESSIBLE PARKING SIGN**

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



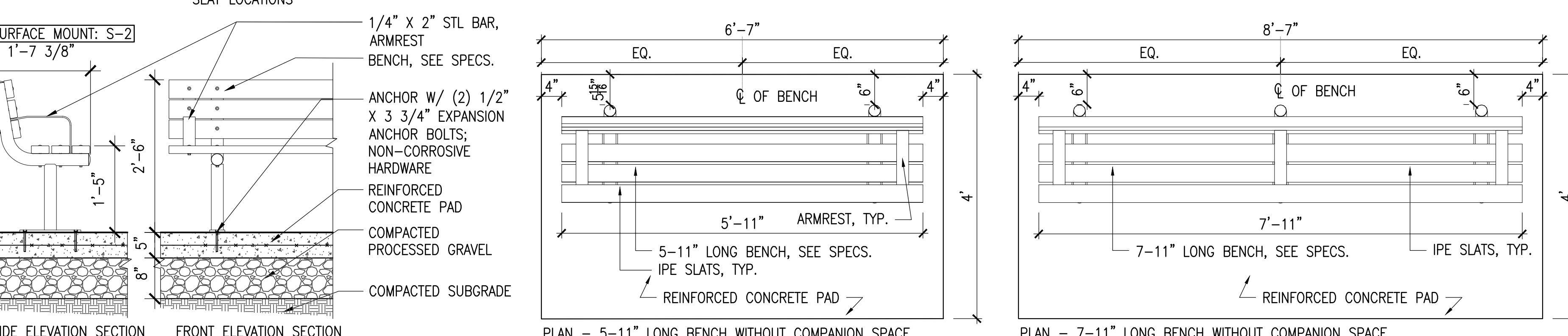
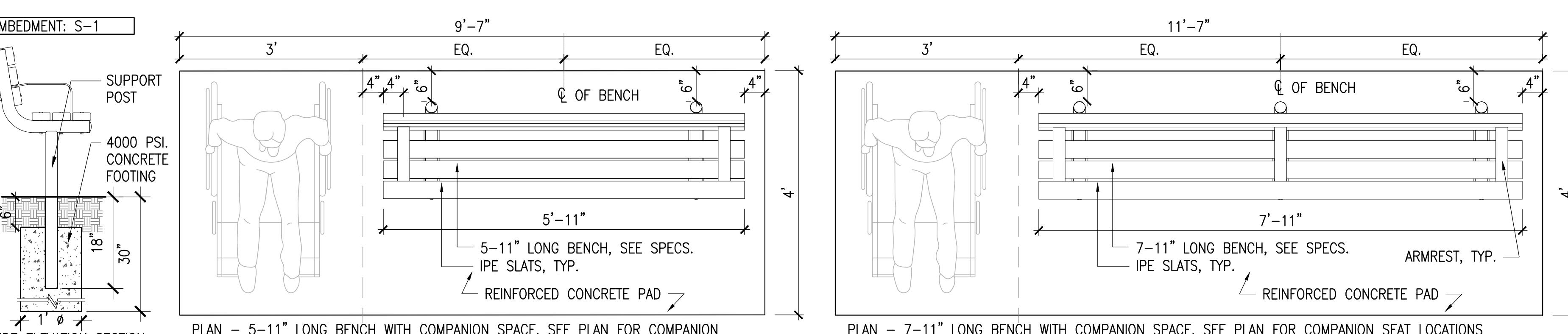
**4 BOAT RAMP CONCRETE**

SCALE: 3/8" = 1'-0"



**5 PAVEMENT MARKING - ACCESSIBILITY**

SCALE: N.T.S.



NOTE:  
1. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.  
2. SEE SPECS. FOR COLOR INFO.

3. ALL BENCHES TO HAVE ARMRESTS.
4. ALL BENCHES TO HAVE IPE SLATS.
5. CONCRETE PAD SHALL HAVE 2% MAX SLOPE IN ALL DIRECTIONS.

**6 BENCH**

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

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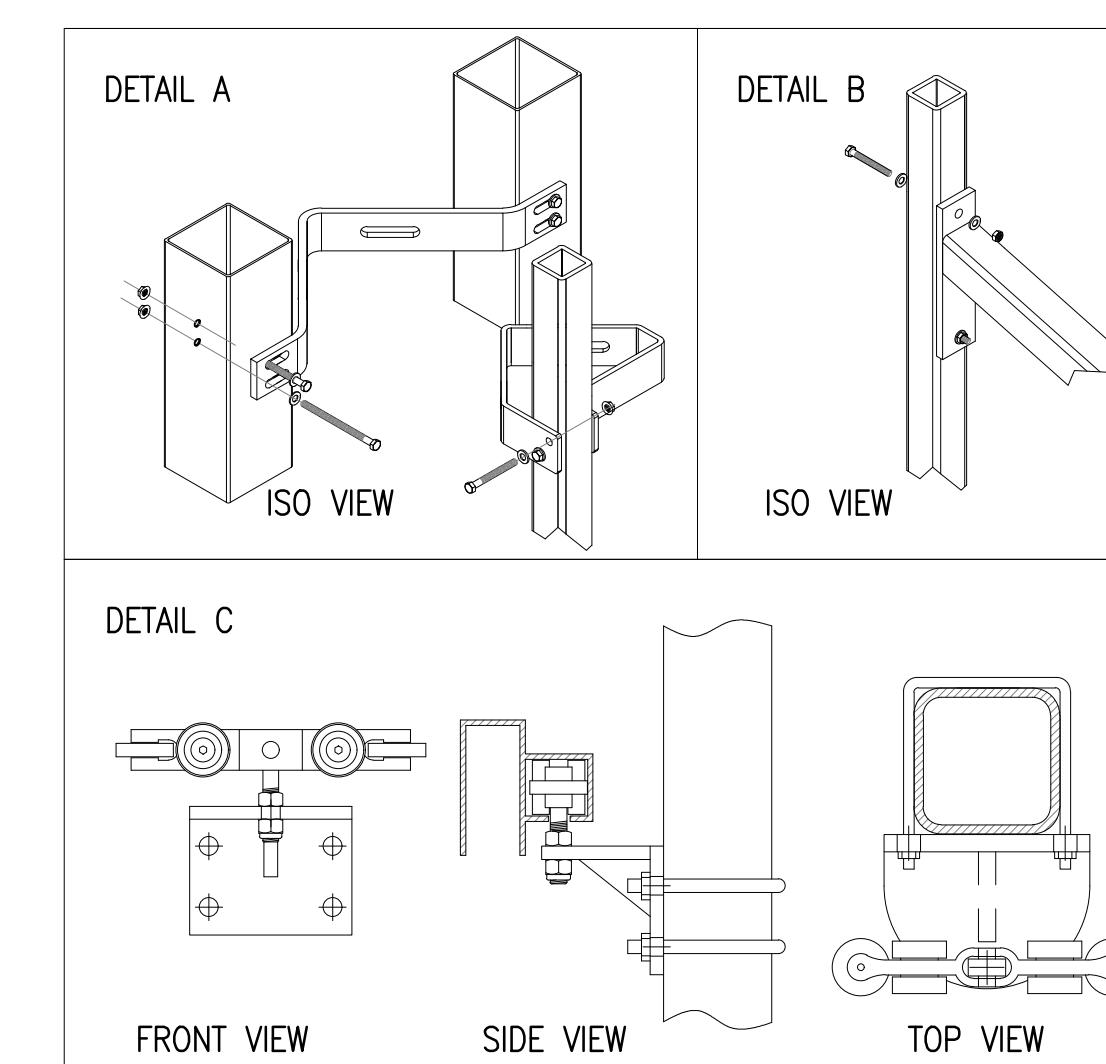
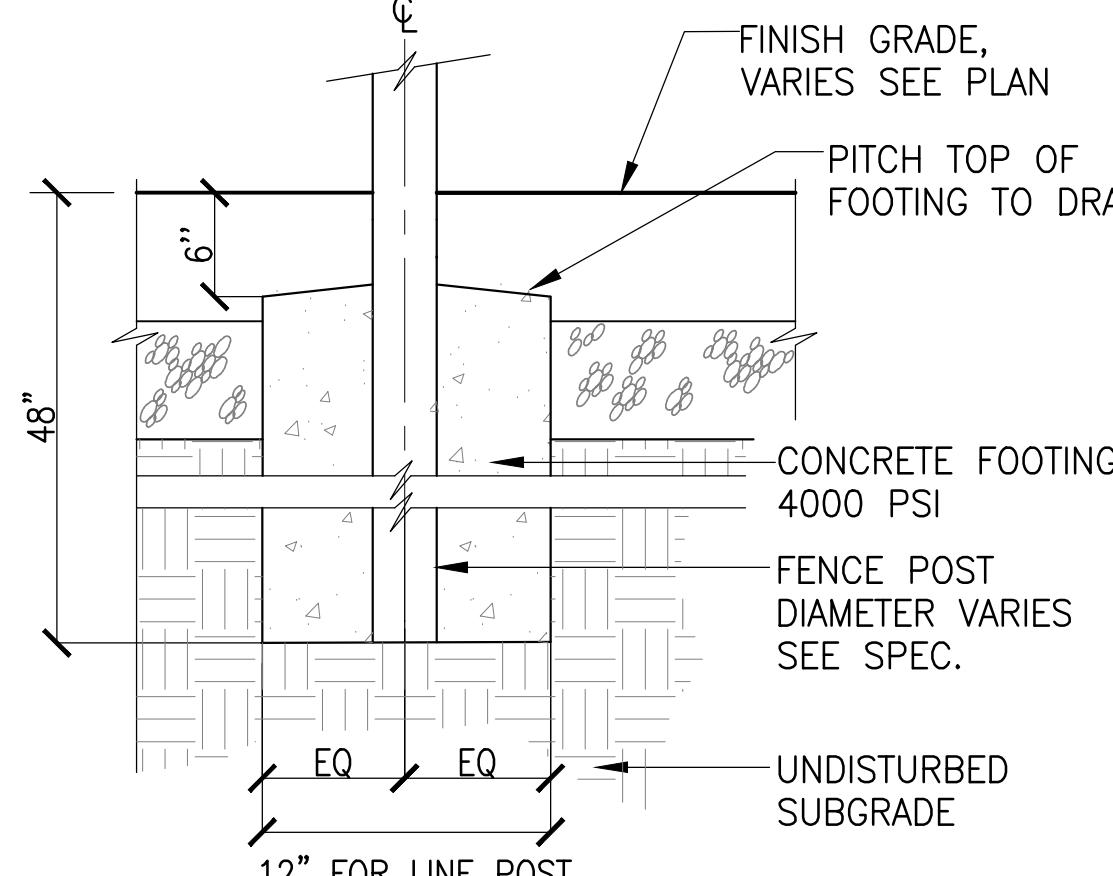
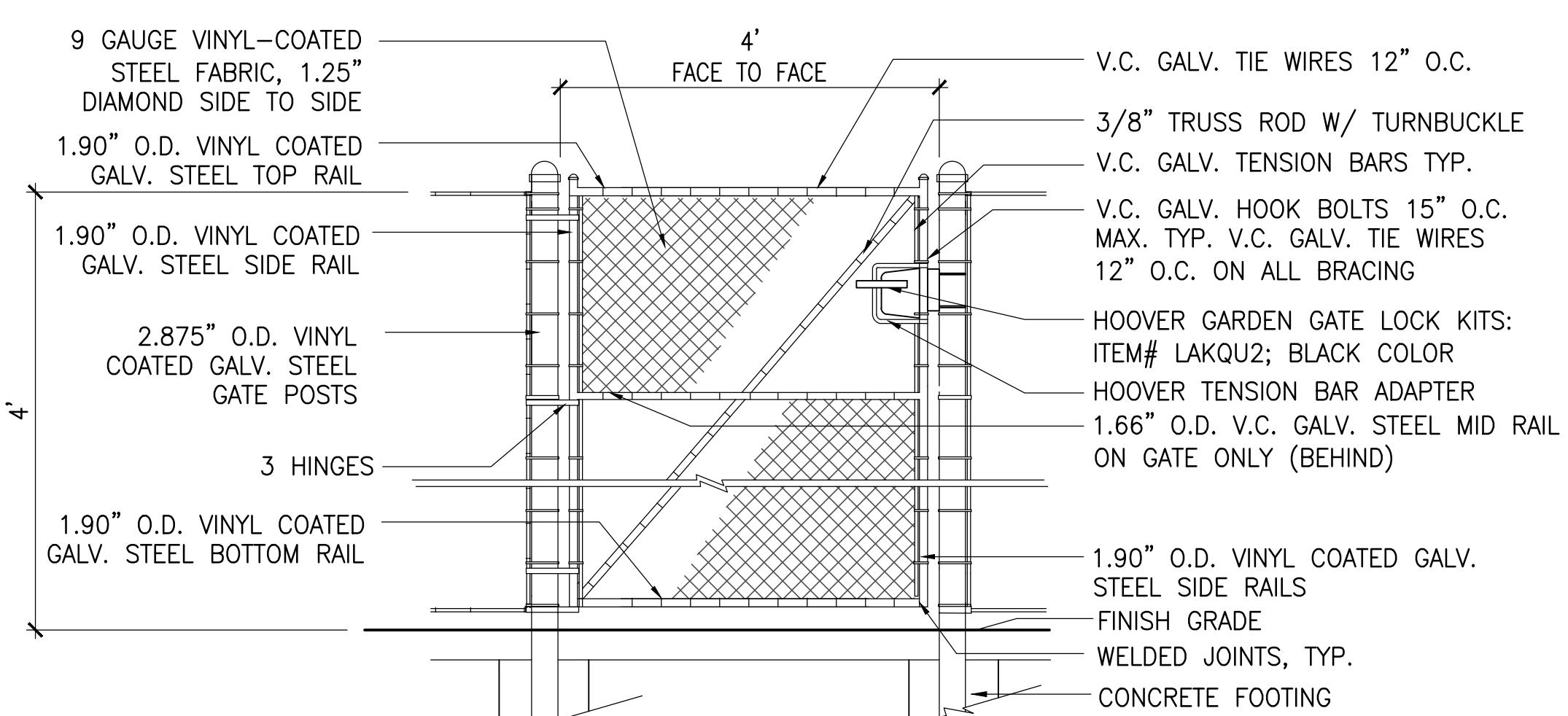
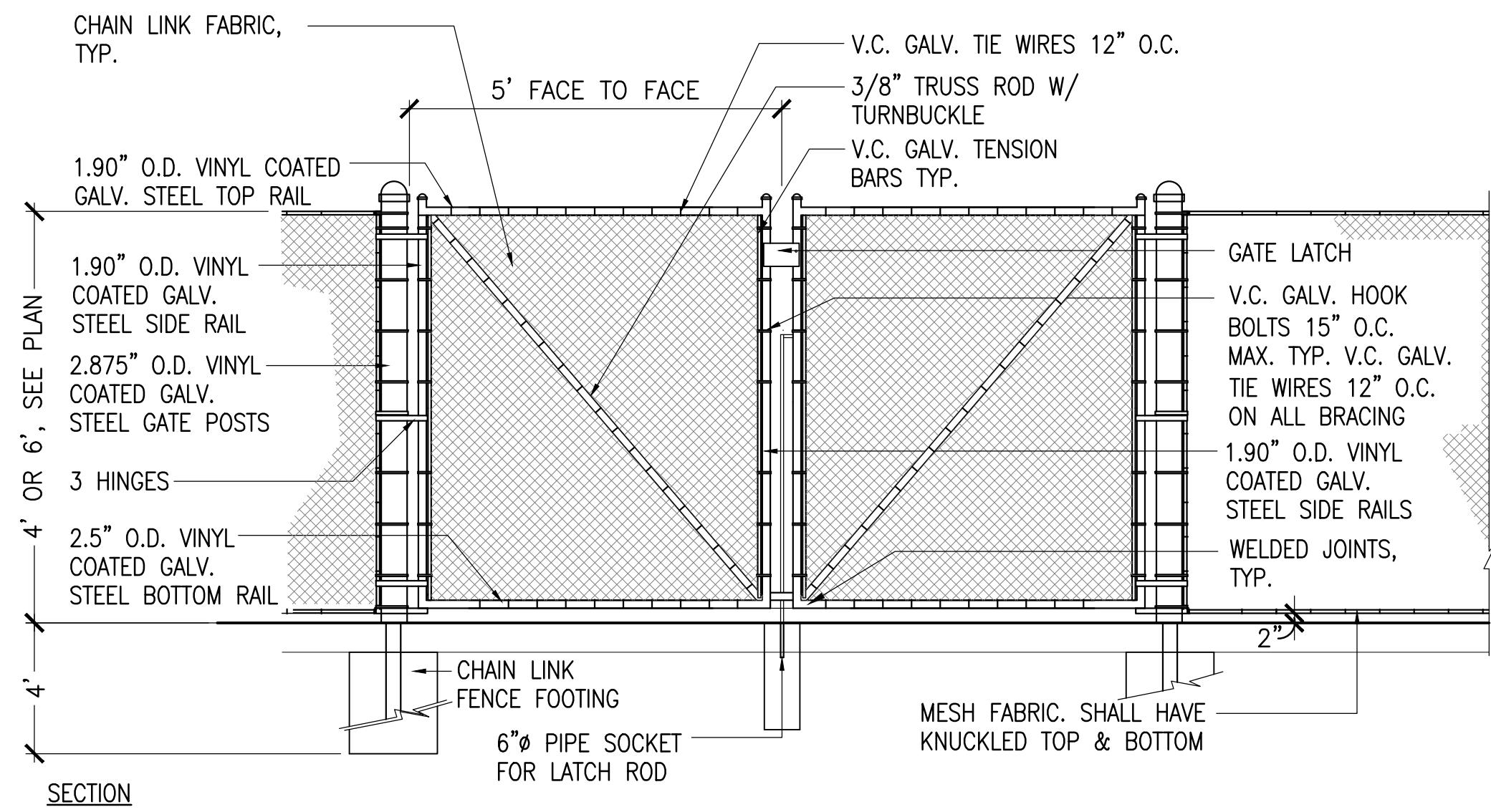
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DETAILS

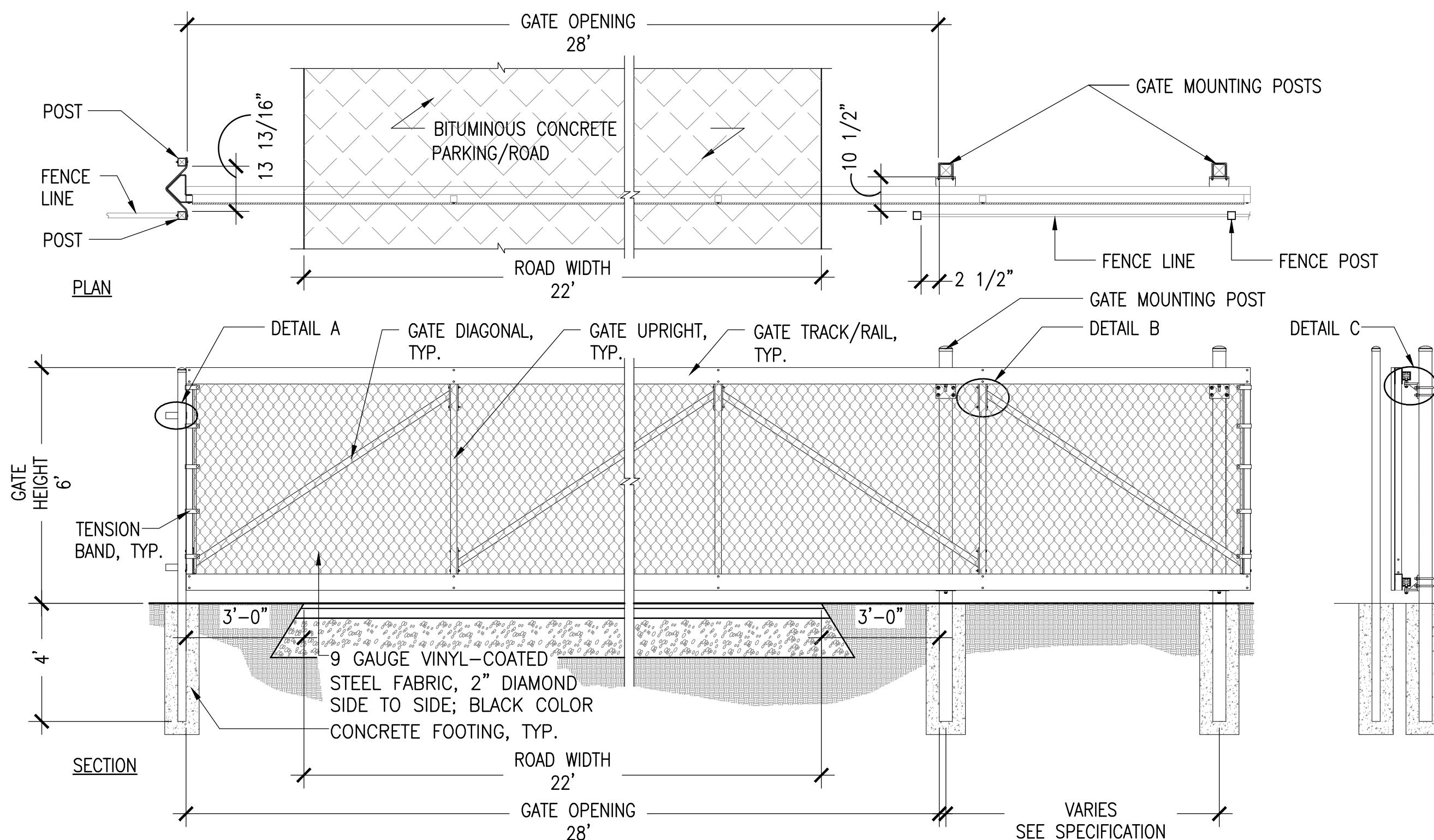
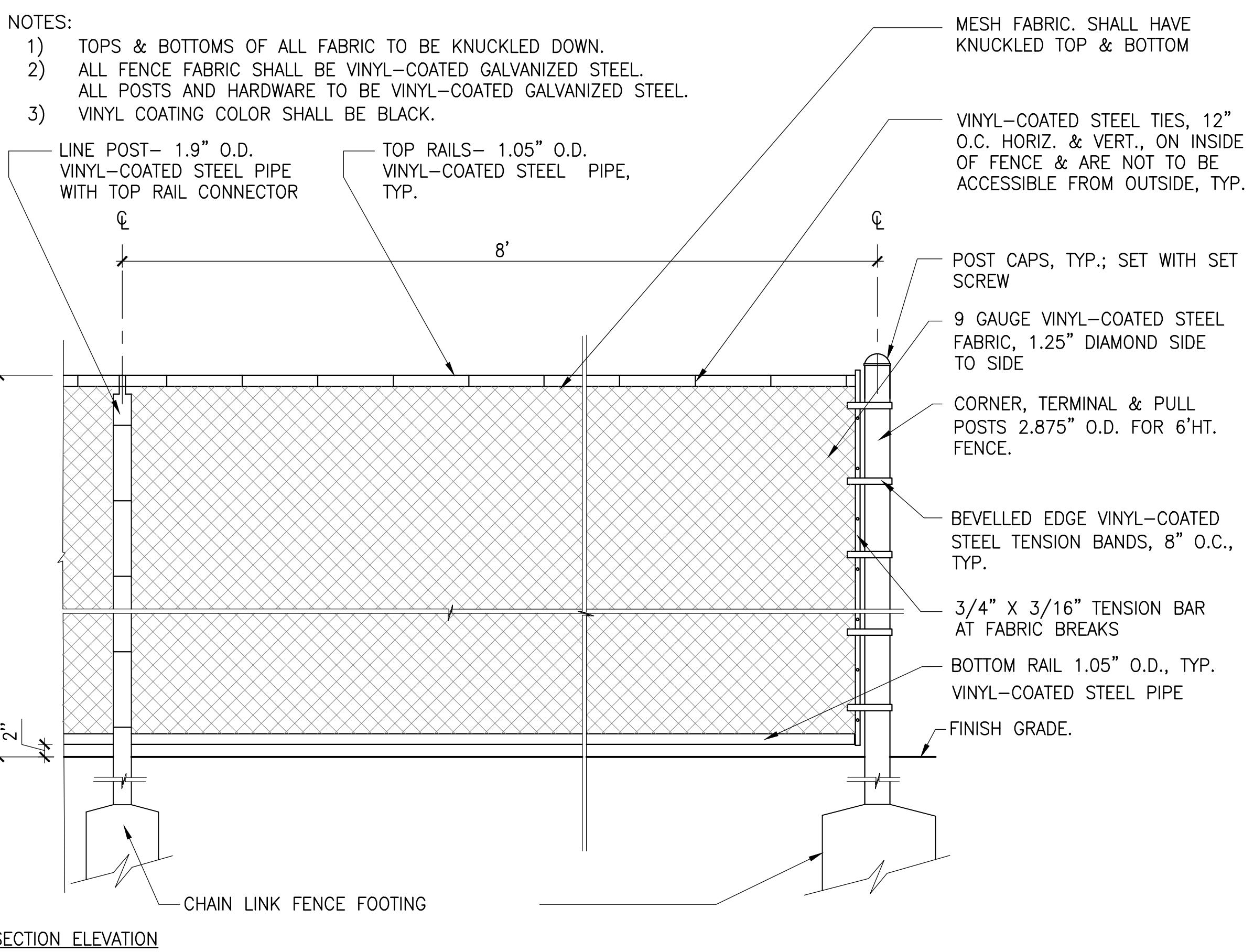
**LD1.3**

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

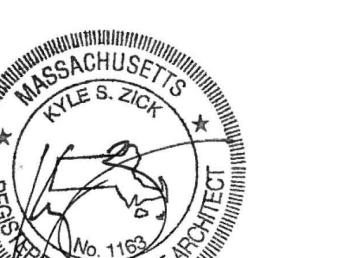


**5 CHAIN LINK FENCE CANTILEVER GATE**  
SCALE: N.T.S.



**kzla**

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100% DESIGN DEVELOPMENT SET

Job Number:  
Project: ARLINGTON RES.  
Drawn By: JL/MD/RB Checked By: KZ  
Date: NOVEMBER 13, 2020  
Scale: AS SHOWN  
Drawing Title:

DETAILS

**LD1.4**

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

WOODEN GATE W/ GRANITE POST

SCALE: 1" = 1'-0"

TIMBER CRIB STEP

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

NOTE:  
1. LUMBER TO BE TREATED WITH LOW TOXICITY WOOD PRESERVATIVE  
2. GRAVEL COLOR TO BE APPROVED BY LANDSCAPE ARCHITECT  
3. TREAD LAYER TO BE FIRM AND STABLE CRUSHED STONE MIX  
4. BASE LAYER TO BE FREE-DRAINING CRUSHED STONE  
5. RISERS SHALL BE CONSISTENT THROUGHOUT STAIR RUN  
6. ANCHORING TO SUBGRADE TO BE DESIGNED BY CONTRACTOR, AS NECESSARY

SECTION ELEVATION

PLAN

EX. GRADE

2% MAX.

5 1/2"

4' WIDE TREAD

GRAVEL SURFACE

6X6 TIMBERS; RISER/TREAD&DEADMEN; SECURE LEADING TREAD WITH REBAR

VARIES, SEE PLAN  
DEPEND ON EX. GRADE

SECTION ELEVATION

NOTE:  
1. CONSTRUCTED OF SOLID WESTERN RED CEDAR  
2. ROUGH SAWN SURFACE TEXTURE  
3. STAIN COLOR TO BE SPECIFIED: CLEAR NATURAL

(4) MASONRY ANCHORS PER HINGE, TYP.  
TOP HINGE: 1/4" STEEL PLATE WELDED & HOT DIPPED GALVANIZED

LOCK BY OTHERS

ATTACHMENT HARDWARE HOT DIPPED GALVANIZED, TYP.

(2) GRANITE CATCH POST, SEE PLAN FOR LOCATIONS

BOTTOM HINGE: 1/4" STEEL PLATE WELDED & HOT DIPPED GALVANIZED

GRANITE POST  
COMPACTED PROCESSED GRAVEL BASE  
COMPACTED SUBGRADE

SECTION ELEVATION

TOP VIEW

FINISHED GRADE

4'-6"

7"

7 1/4"

14'-1 1/2"

FINISHED GRADE

E.Q.

+/-12'

E.Q.

5/8" X 10" GALV. STEEL STRAP HINGES, TYP.

16D HOT DIPPED GALV. NAIL

STEEL GATE LATCH

STEEL GATE LATCH

3/4" X 4" BOARD

NAILS (DOUBLE NAILS TOP AND BOTTOM)

DROP PIN GATE LATCH, TYP.

6' HIGH WOOD STOCKADE FENCE GATE ELEVATION

\*NOTE:  
ALL LUMBER TO BE TO NOMINAL DIMENSIONS,  
SOUTHERN YELLOW PINE (SYP) PRESSURE-TREATED

4" X 4", 5" X 5", OR 6 1/2" X 10" POSTS  
8' O.C. MAX. TYP.

16D HOT DIPPED GALV. NAIL

1-7/8" ALUM. SCREW NAILS (DOUBLE NAILS TOP AND BOTTOM)

3/4" X 4" BOARD

6' HIGH WOOD STOCKADE FENCE ELEVATION

VARIES SEE SECTION ELEVATION

18"

3' MIN.

4"

MAX. OPENING

1 3/4" TOP RAIL

POST TO PANEL BRACKET

1" SQ. STRAIGHT PICKET ALTERNATE 1" SQ. CURVED PICKET

1 3/4" BOTTOM RAIL

12" CONCRETE FOOTING, TYP.

POWDERCOATED STEEL PICKET FENCE

FINISH GRADE

SEE SECTION ELEVATION

LINE POST 8' O.C. MAX. TYP.

6" GRAVEL BORROW SURROUND

SECTION ELEVATION

FINISHED GRADE

4'-6"

7 1/4"

14'-1 1/2"

FINISHED GRADE

E.Q.

+/-12'

E.Q.

5/8" X 10" GALV. STEEL STRAP HINGES, TYP.

16D HOT DIPPED GALV. NAIL

STEEL GATE LATCH

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FINISH GRADE

SEE SECTION ELEVATION

LINE POST 8' O.C. MAX. TYP.

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SECTION ELEVATION

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14'-1 1/2"

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E.Q.

+/-12'

E.Q.

5/8" X 10" GALV. STEEL STRAP HINGES, TYP.

16D HOT DIPPED GALV. NAIL

STEEL GATE LATCH

STEEL GATE LATCH

3/4" X 4" BOARD

NAILS (DOUBLE NAILS TOP AND BOTTOM)

DROP PIN GATE LATCH, TYP.

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12" CONCRETE FOOTING, TYP.

POWDERCOATED STEEL PICKET FENCE

FINISH GRADE

SEE SECTION ELEVATION

LINE POST 8' O.C. MAX. TYP.

6" GRAVEL BORROW SURROUND

SECTION ELEVATION

FINISHED GRADE

4'-6"

7 1/4"

14'-1 1/2"

FINISHED GRADE

E.Q.

+/-12'

E.Q.

5/8" X 10" GALV. STEEL STRAP HINGES, TYP.

16D HOT DIPPED GALV. NAIL

STEEL GATE LATCH

STEEL GATE LATCH

3/4" X 4" BOARD

NAILS (DOUBLE NAILS TOP AND BOTTOM)

DROP PIN GATE LATCH, TYP.

6' HIGH WOOD STOCKADE FENCE GATE ELEVATION

\*NOTE:  
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16D HOT DIPPED GALV. NAIL

1-7/8" ALUM. SCREW NAILS (DOUBLE NAILS TOP AND BOTTOM)

3/4" X 4" BOARD

6' HIGH WOOD STOCKADE FENCE ELEVATION

VARIES SEE SECTION ELEVATION

18"

3' MIN.

4"

MAX. OPENING

1 3/4" TOP RAIL

POST TO PANEL BRACKET

1" SQ. STRAIGHT PICKET ALTERNATE 1" SQ. CURVED PICKET

1 3/4" BOTTOM RAIL

12" CONCRETE FOOTING, TYP.

POWDERCOATED STEEL PICKET FENCE

FINISH GRADE

SEE SECTION ELEVATION

LINE POST 8' O.C. MAX. TYP.

6" GRAVEL BORROW SURROUND

SECTION ELEVATION

FINISHED GRADE

4'-6"

7 1/4"

14'-1 1/2"

FINISHED GRADE

E.Q.

+/-12'

E.Q.

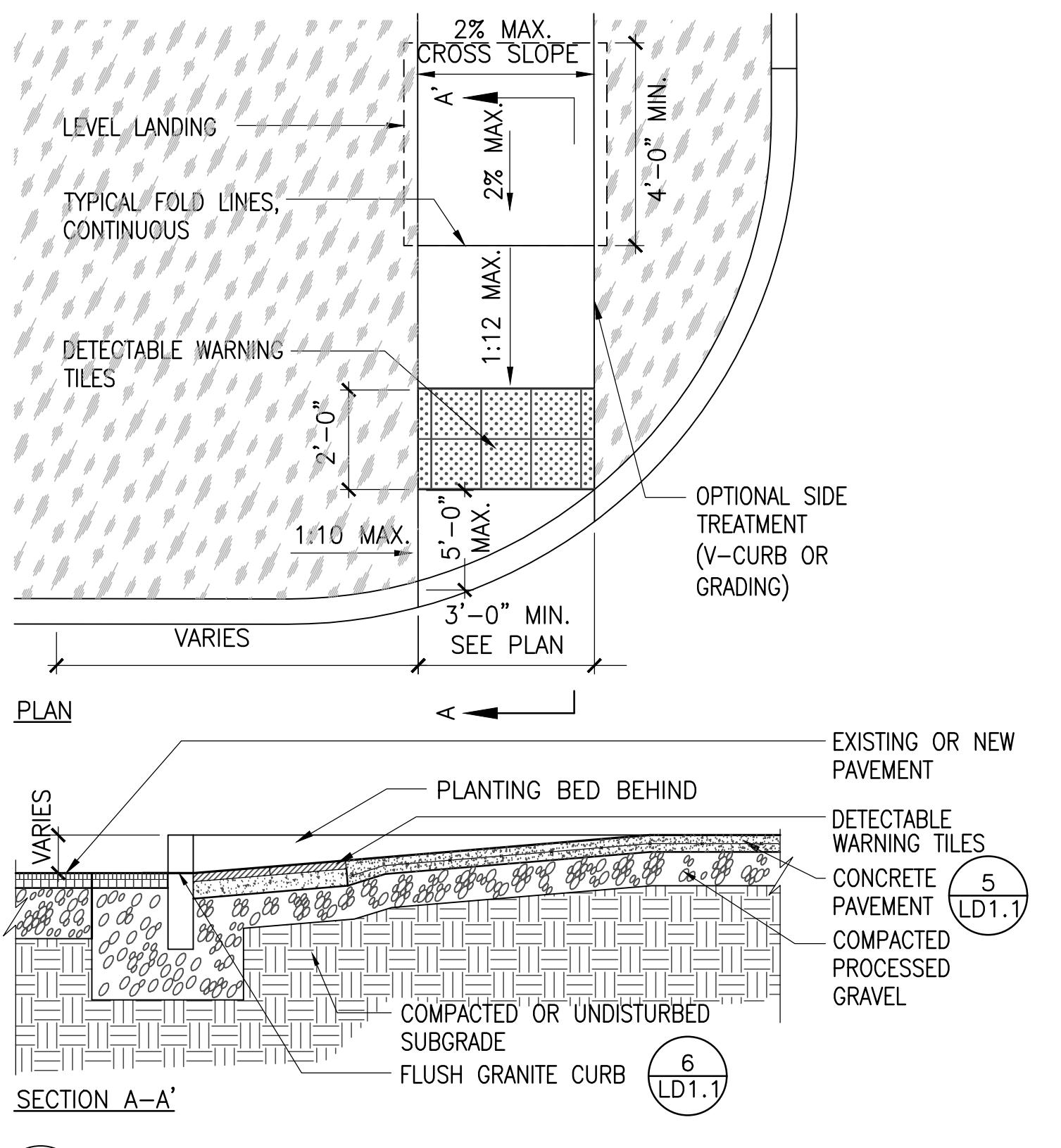
5/8" X 10" GALV. STEEL STRAP HINGES, TYP.

16

**ARLINGTON  
RESERVOIR -  
PHASE 2**

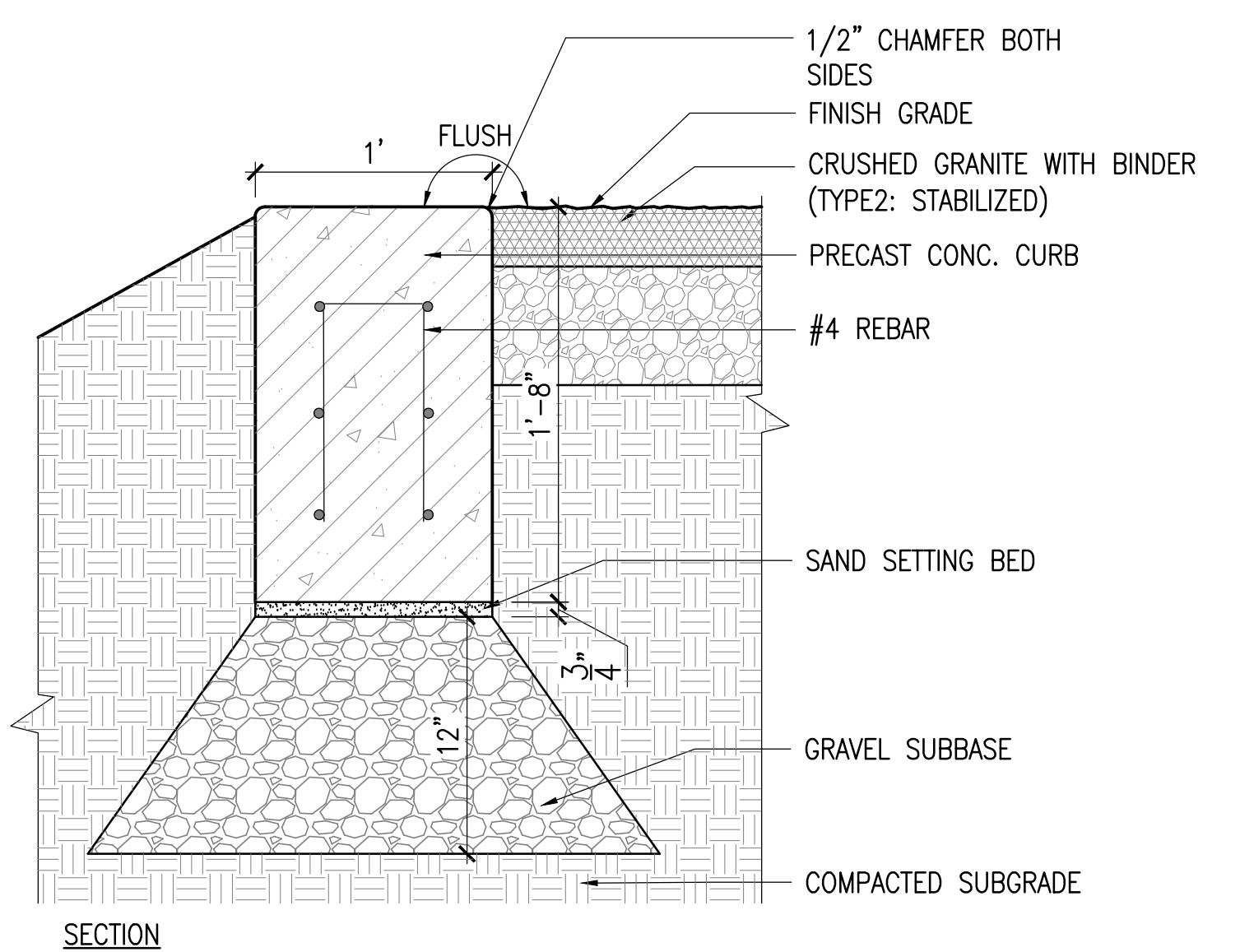
ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON



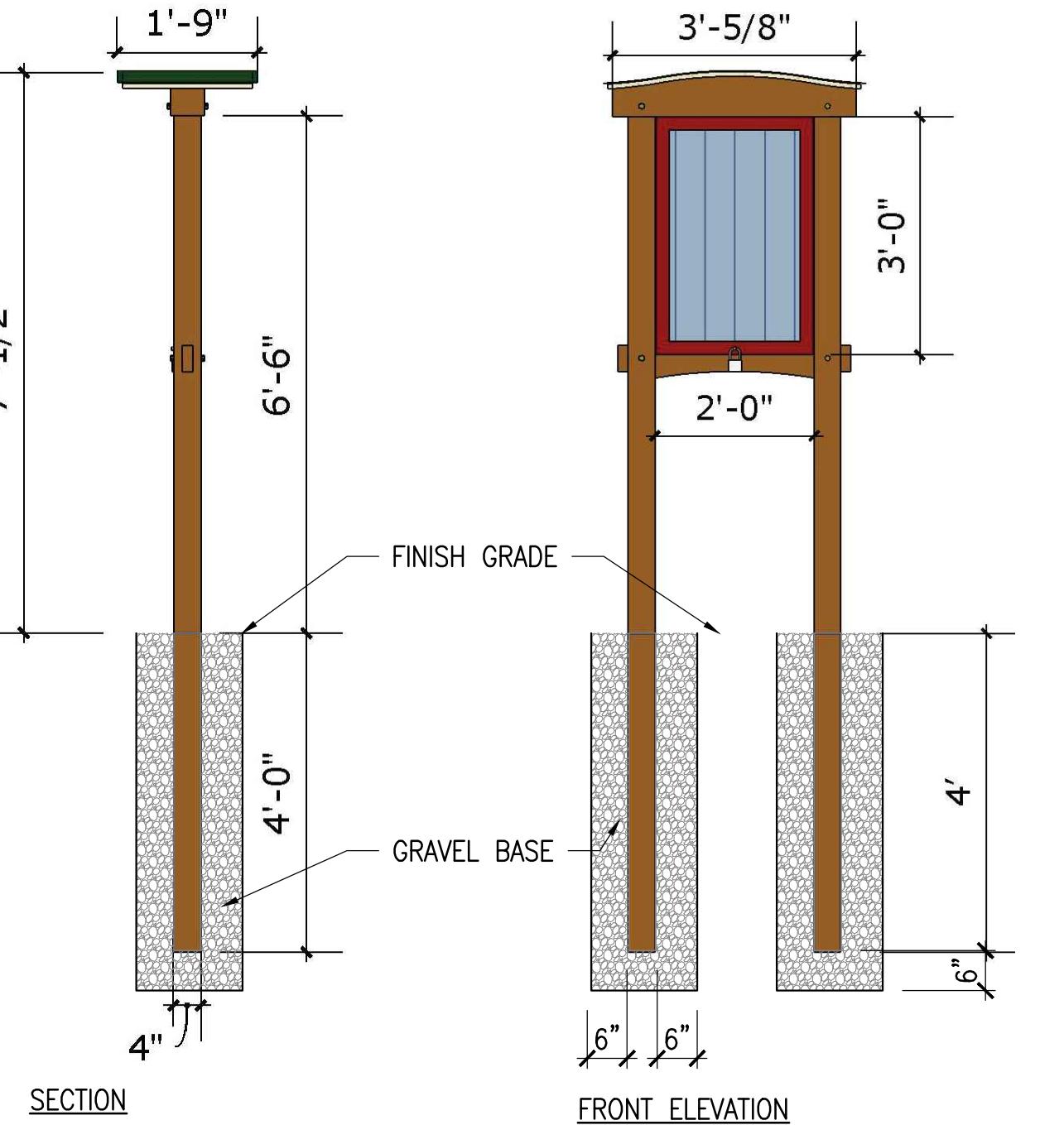
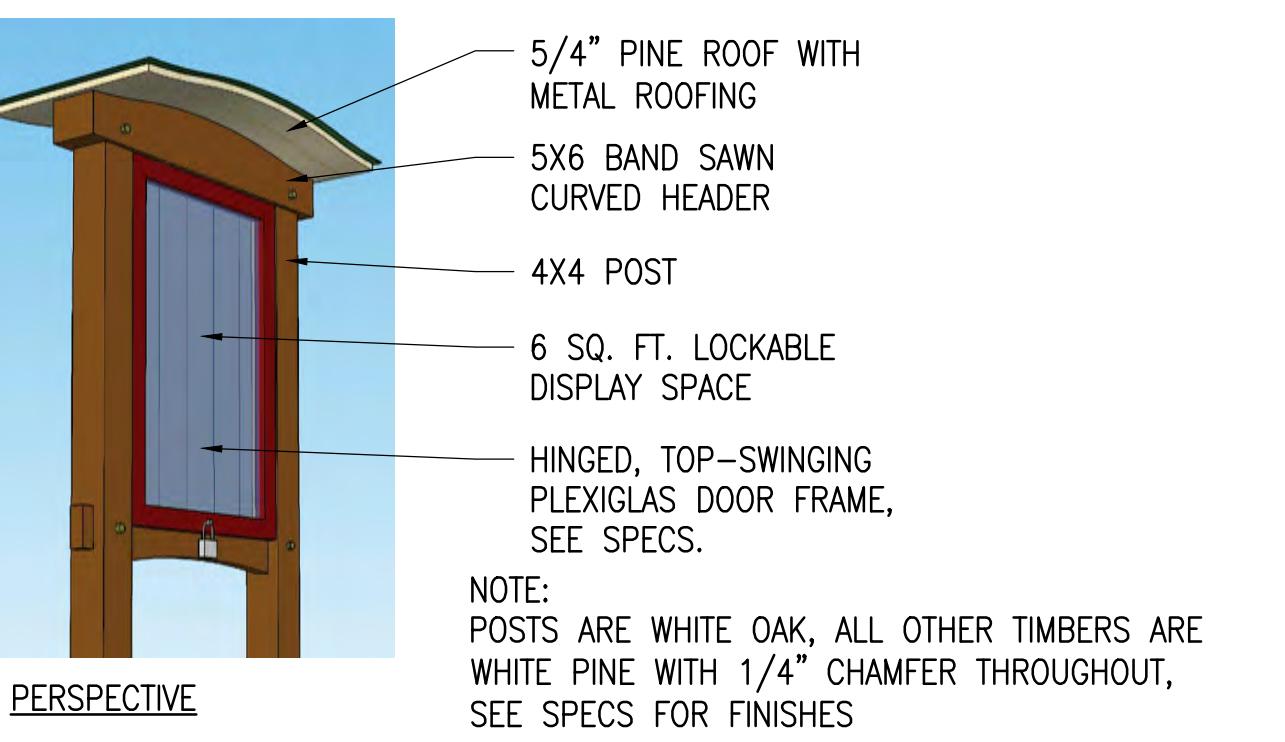
**1 CURB RAMP**

SCALE: 3/8" = 1'-0"



**2 PRECAST CONCRETE CURB**

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



**3 TRAILHEAD KIOSK**

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

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON

NO. REVISION DATE

**kzla**  
Kyle Zick Landscape Architecture, Inc.  
36 Bromfield Street Suite 202 617 451-1018 Tel  
Boston, MA 02108 www.kylezick.com



100% DESIGN DEVELOPMENT SET

Job Number:

Project: ARLINGTON RES.

Drawn By: JL/MD/RB Checked By: KZ

Date: NOVEMBER 13, 2020

Scale: AS SHOWN

Drawing Title:

DETAILS

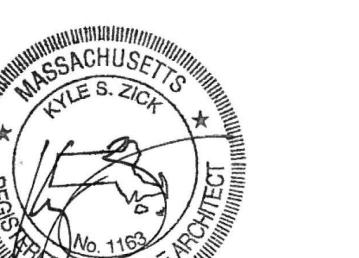
LD1.6

**ARLINGTON  
RESERVOIR -  
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ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

**kzla**

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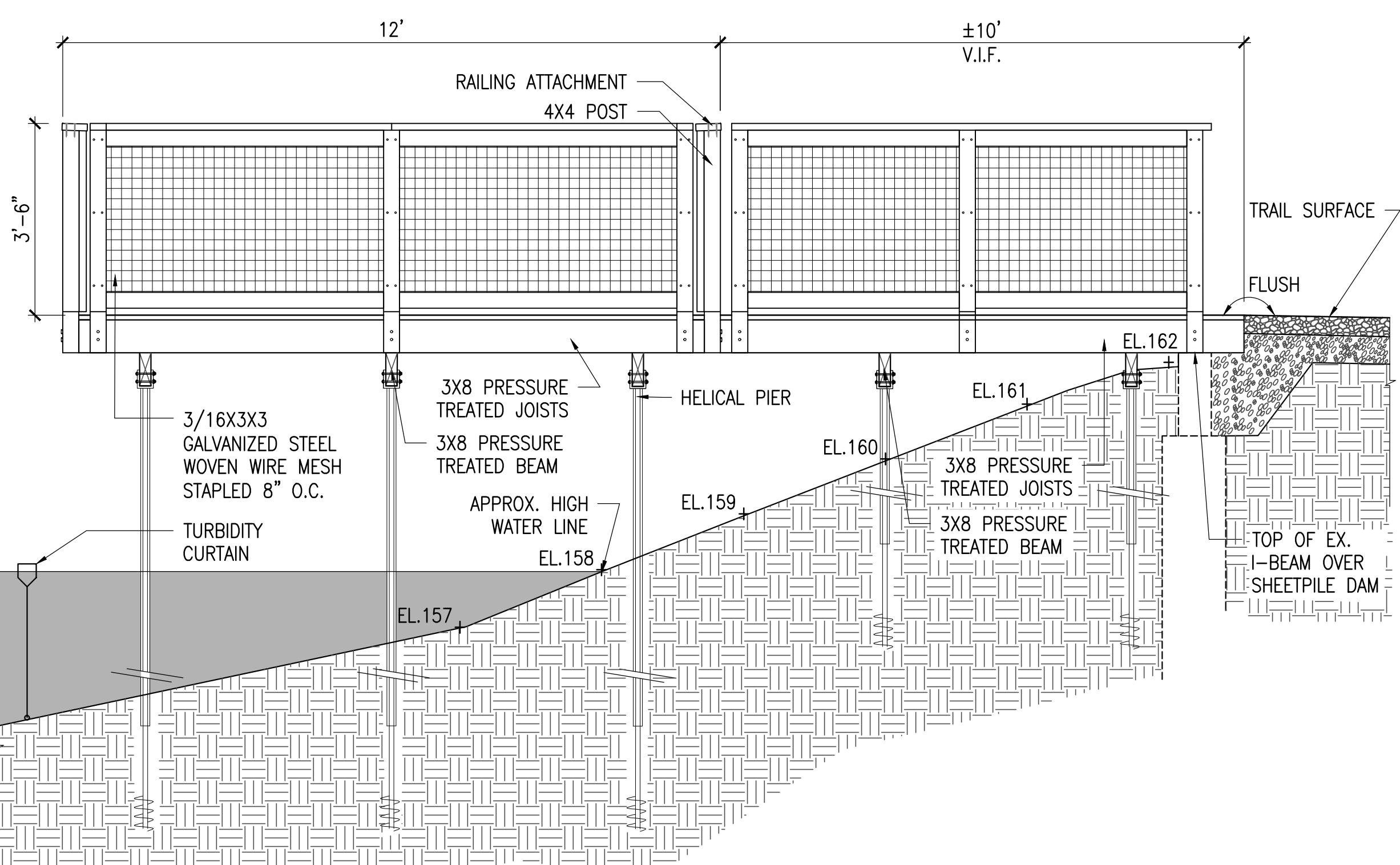
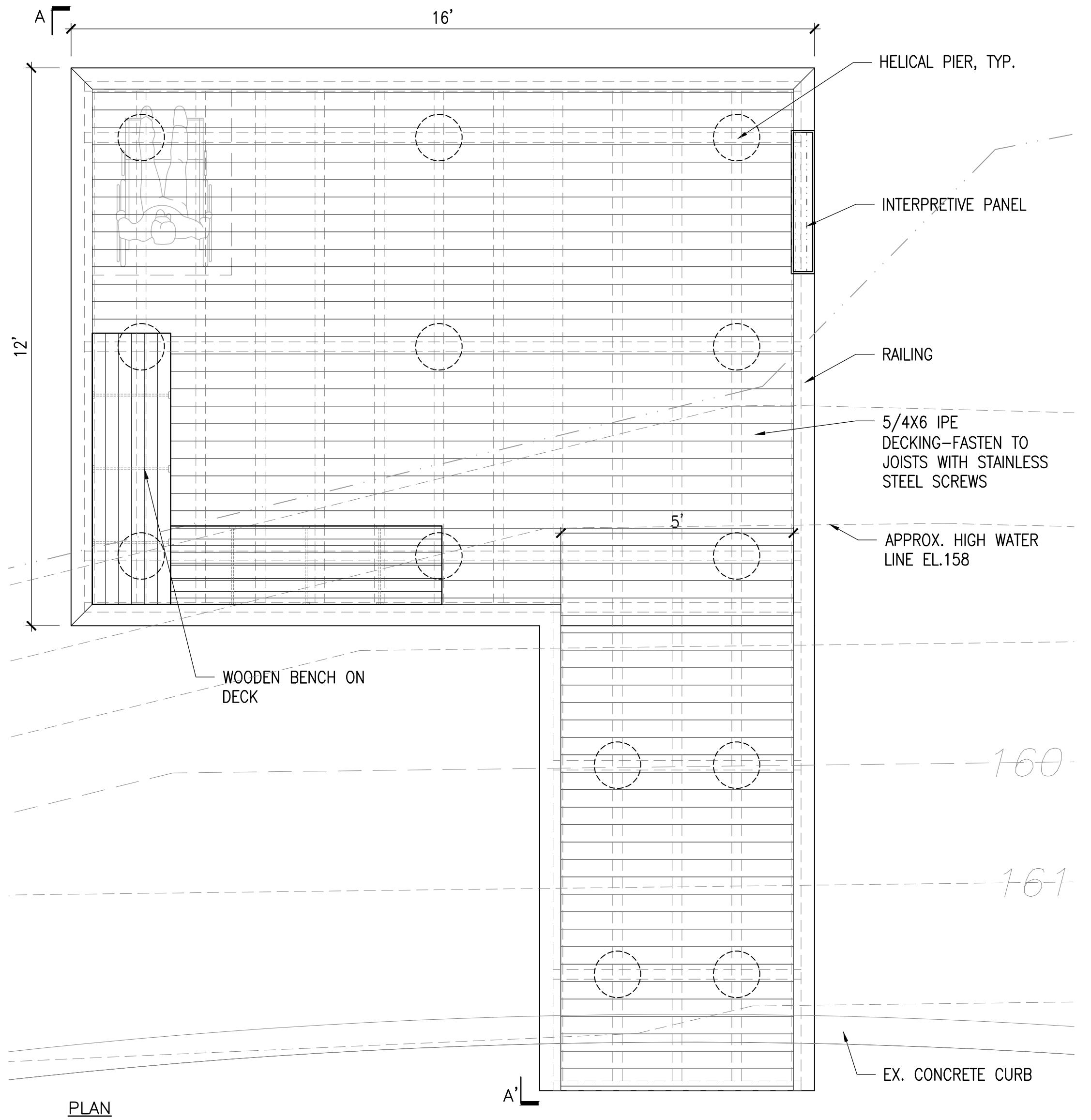


100% DESIGN DEVELOPMENT SET

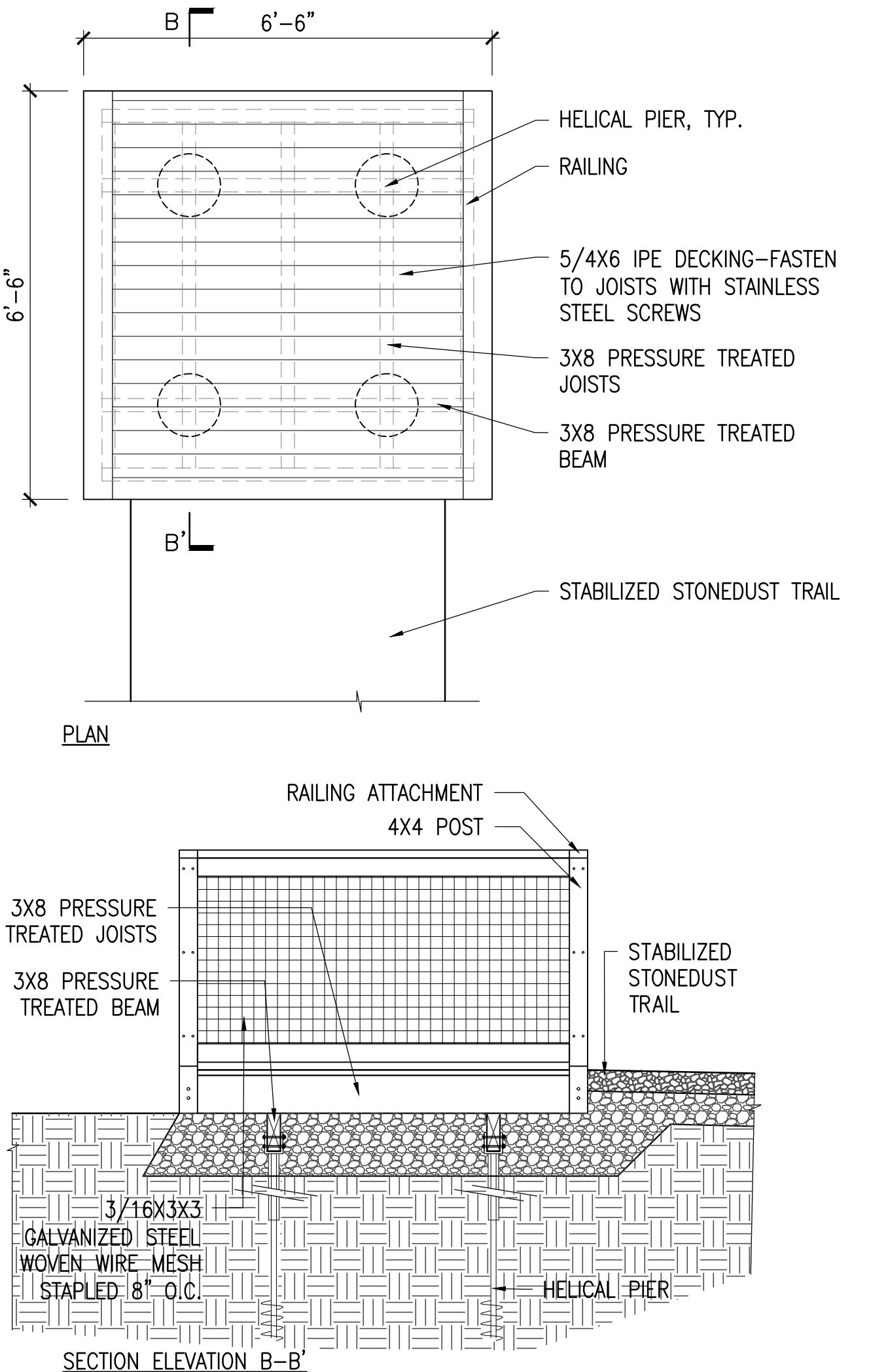
Job Number:  
Project: ARLINGTON RES.  
Drawn By: JL/MD/RB Checked By: KZ  
Date: NOVEMBER 13, 2020  
Scale: AS SHOWN  
Drawing Title:

DETAILS

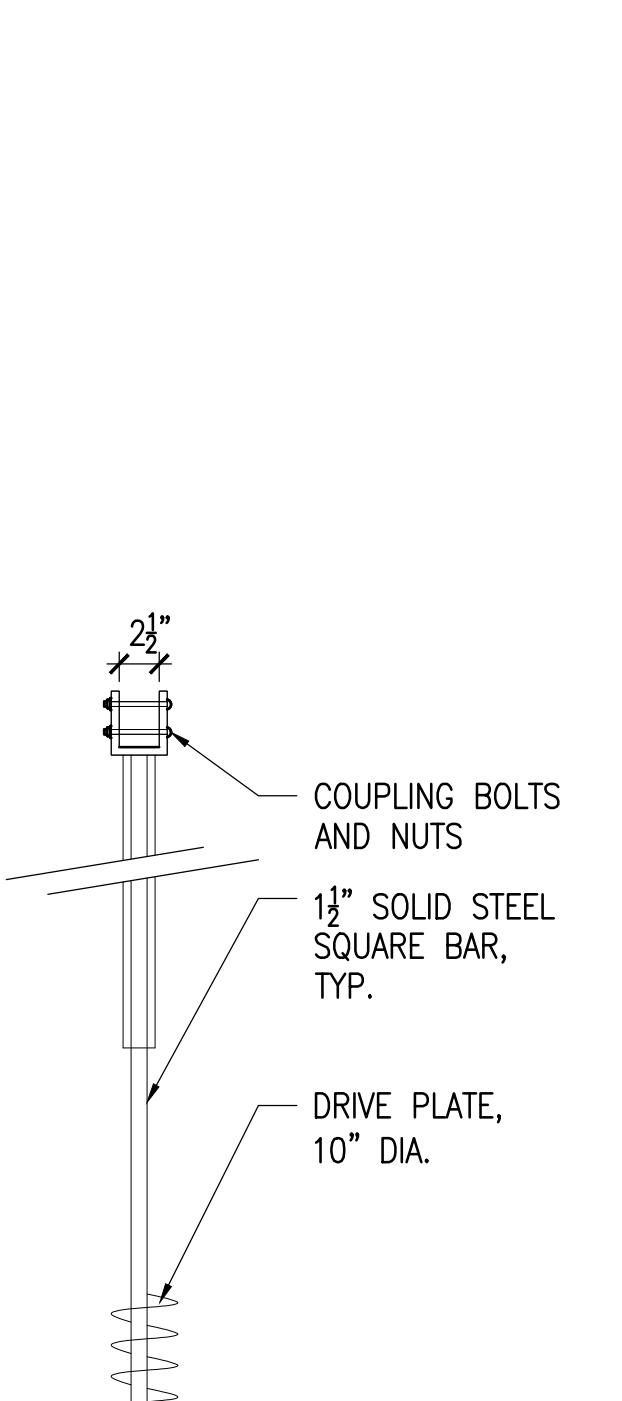
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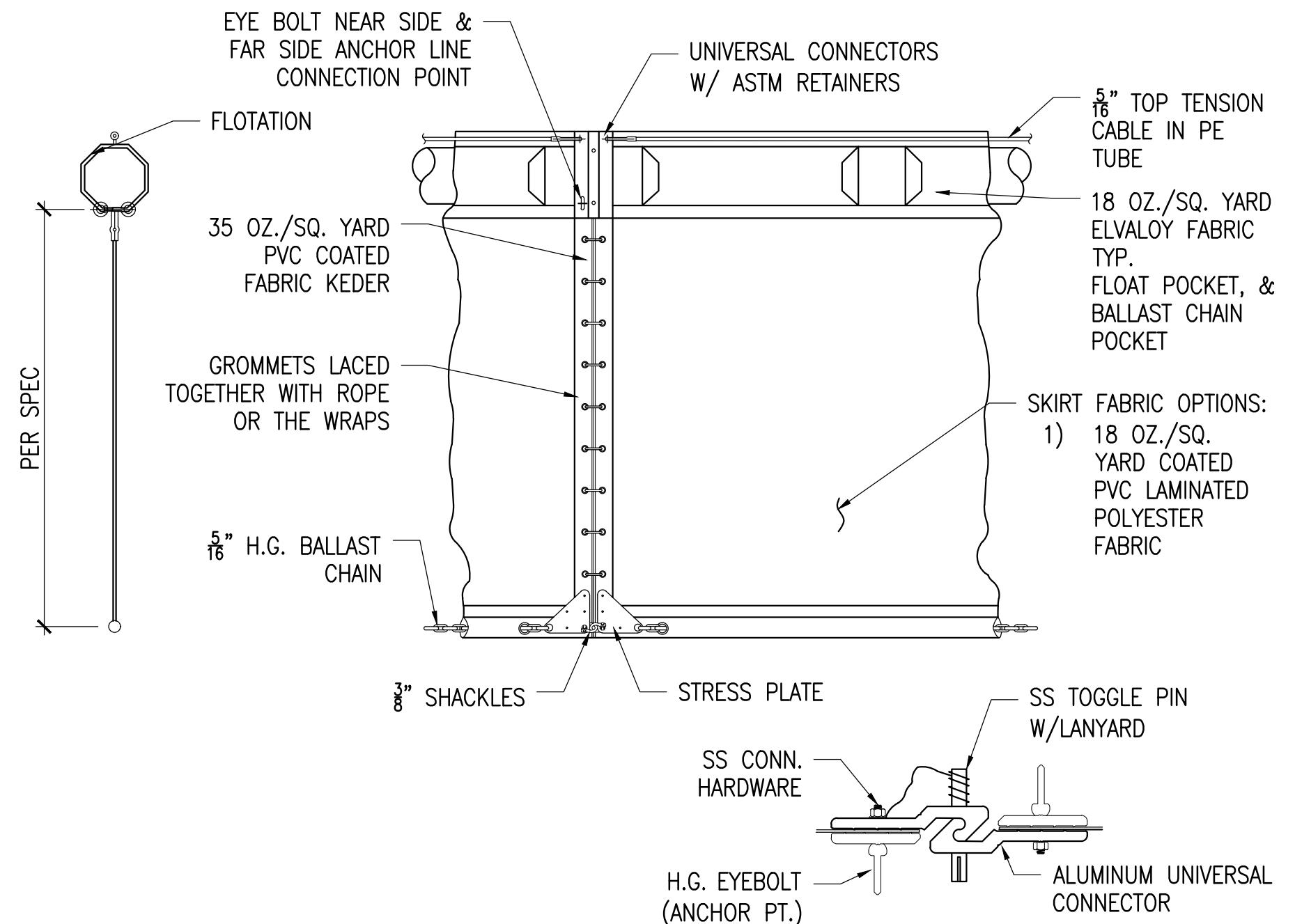
**1** OVERLOOK TYPE-1  
SCALE: 1/2" = 1'-0"



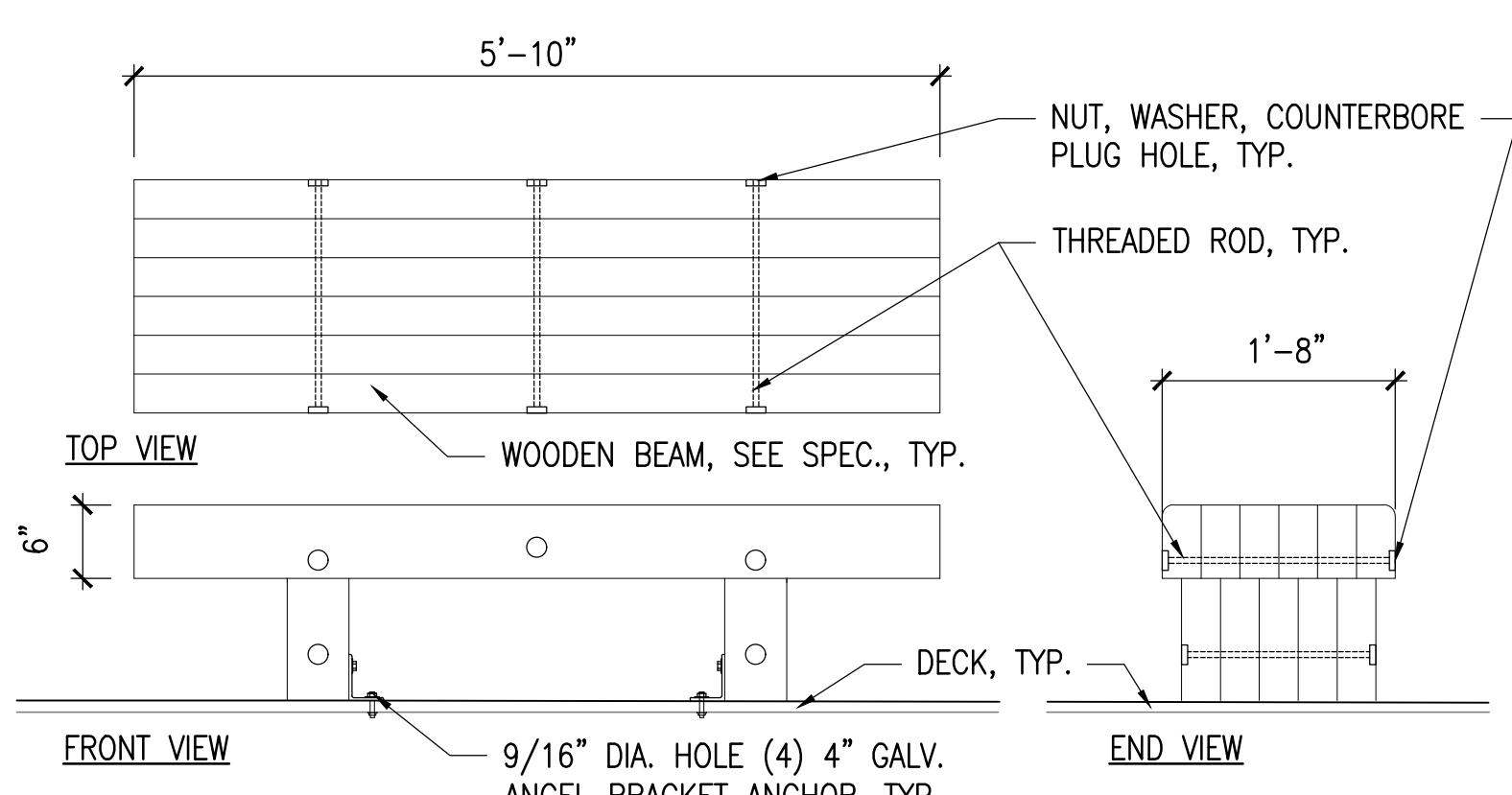
**2** OVERLOOK TYPE-2  
SCALE: 1/2" = 1'-0"



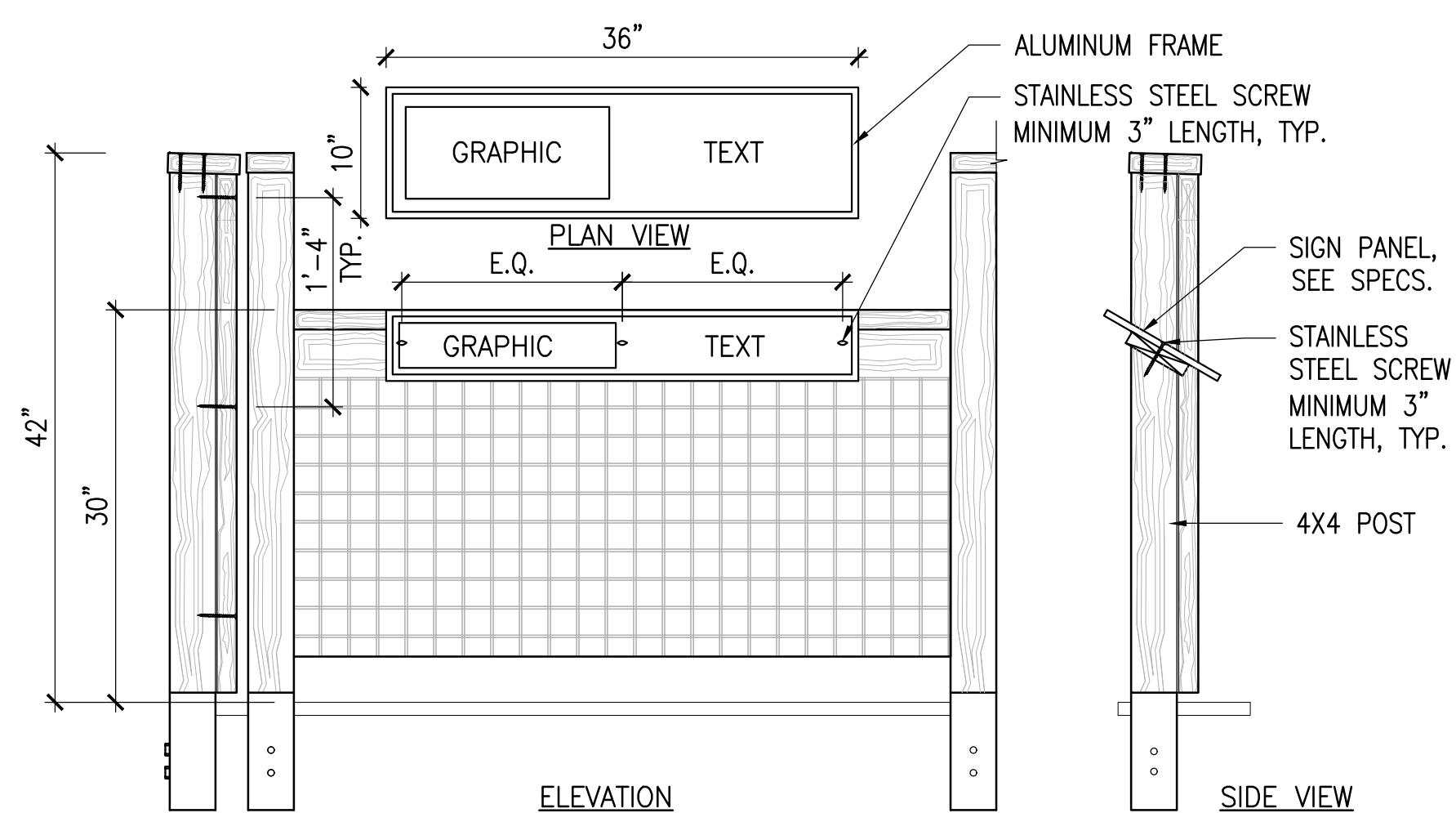
**3** HELICAL PIER  
SCALE: 1" = 1'-0"



**4** TURBIDITY CURTAIN  
SCALE: 1" = 1'-0"



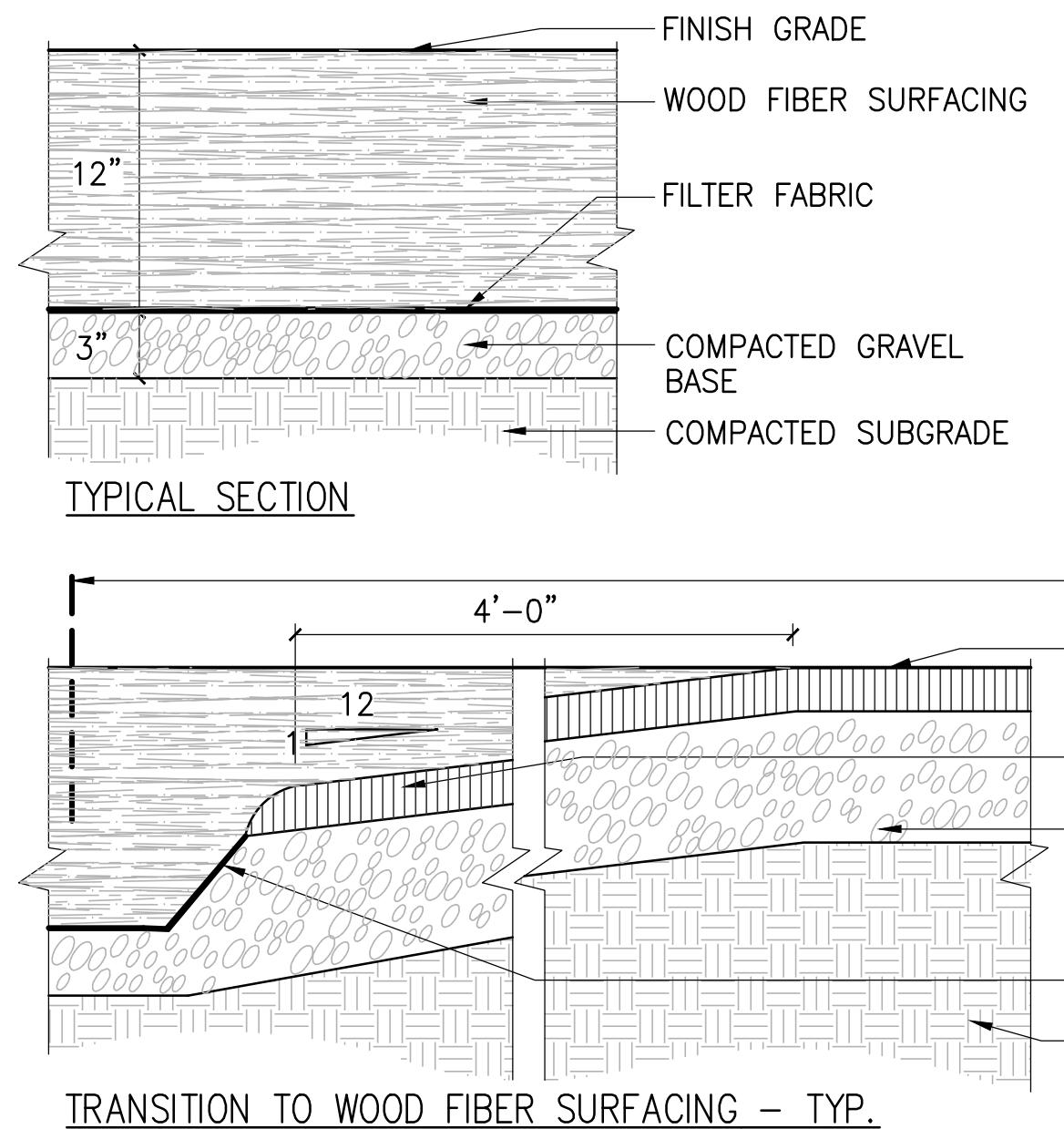
**5** WOODEN BENCH ON DECK  
SCALE: 3/4" = 1'-0"



**6** INTERPRETIVE PANEL  
SCALE: 1" = 1'-0"

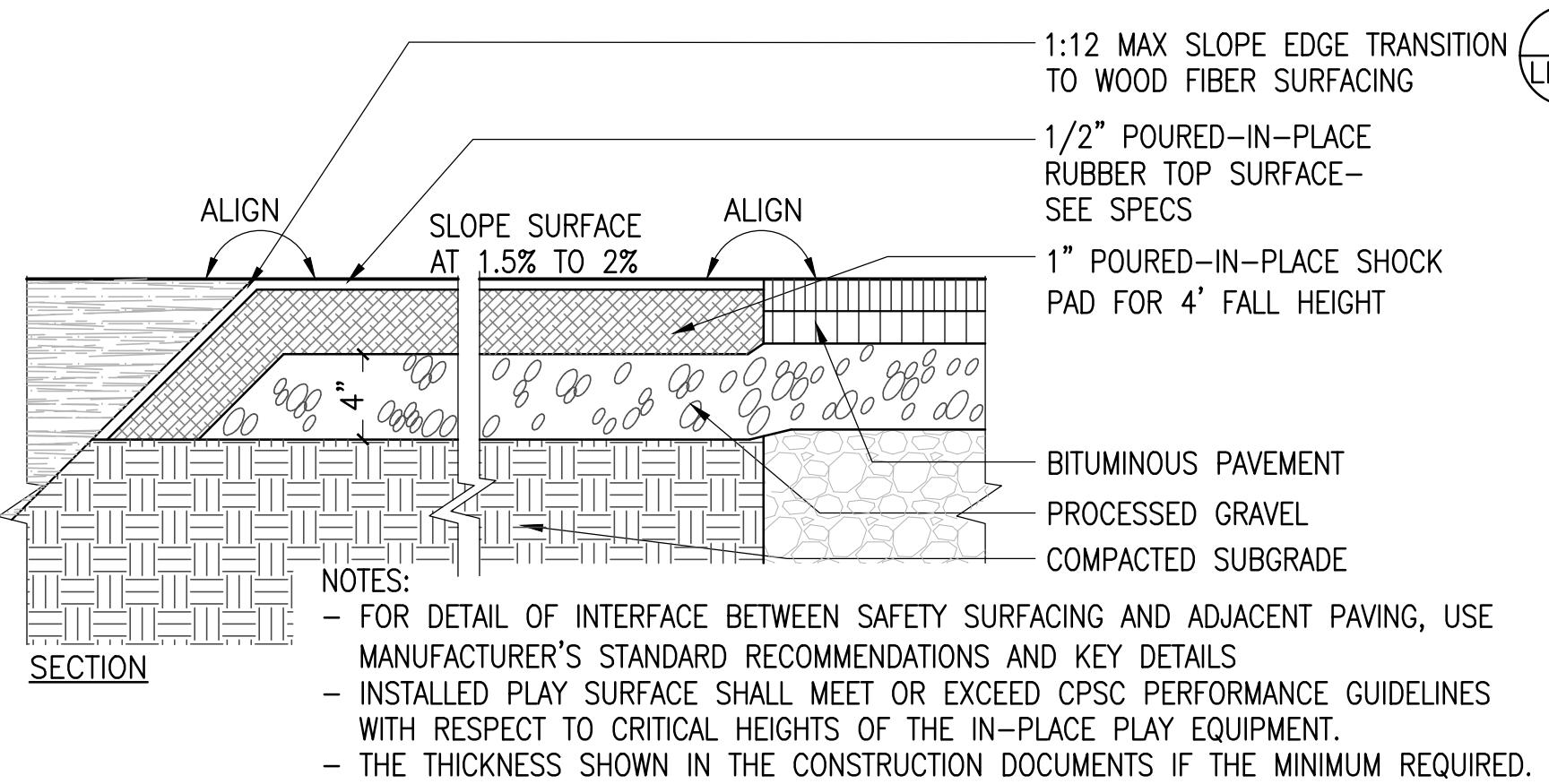
**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



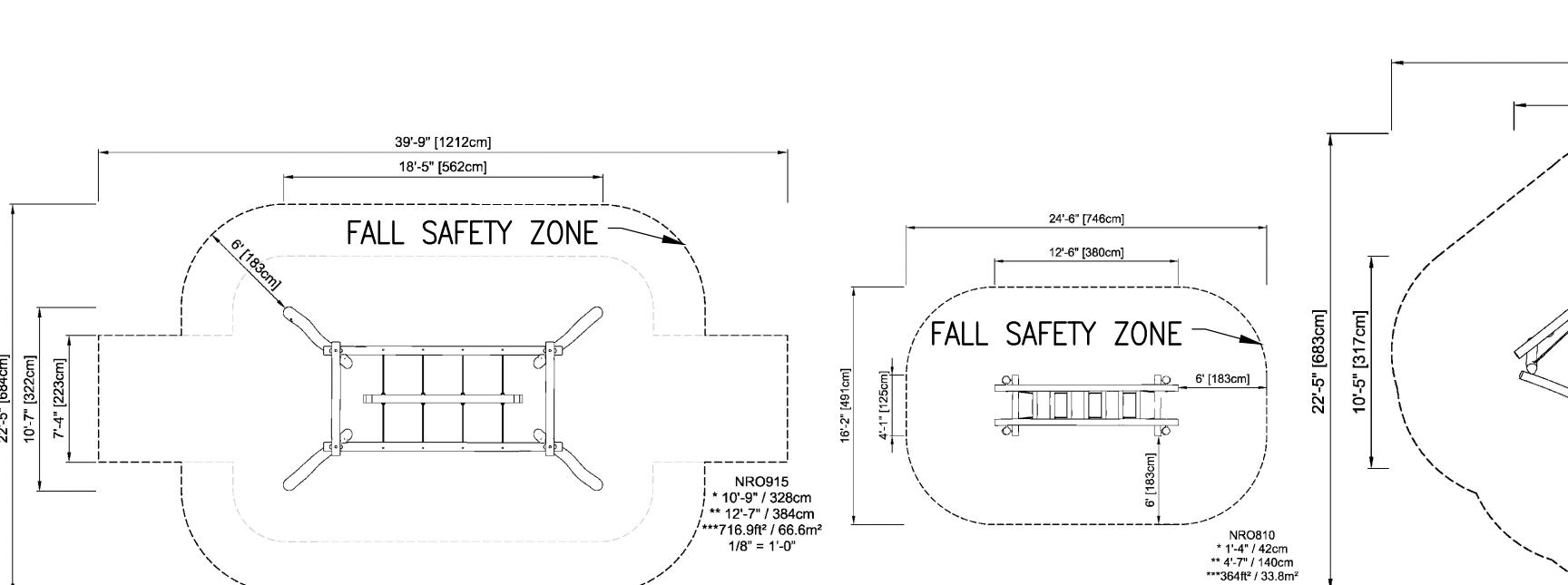
**1 WOOD FIBER SURFACING**

SCALE:  $1\frac{1}{2}'' = 1'-0''$



**2 POUR-IN-PLACE SURFACING**

SCALE:  $1\frac{1}{2}'' = 1'-0''$

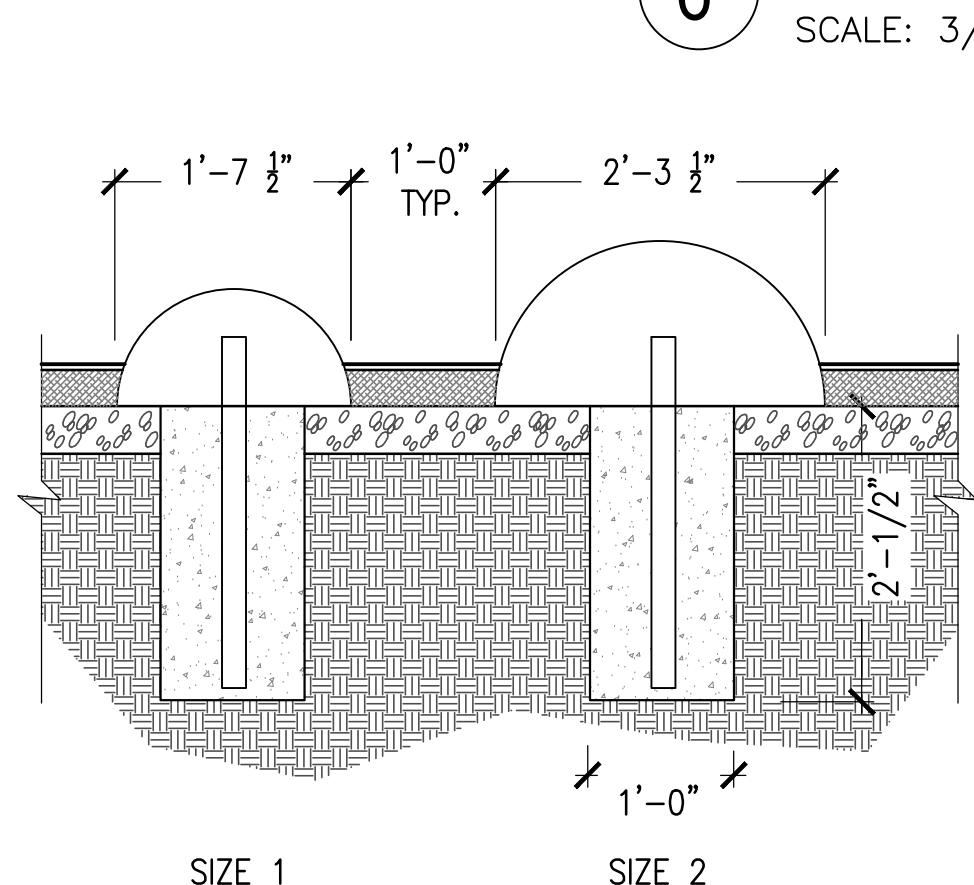
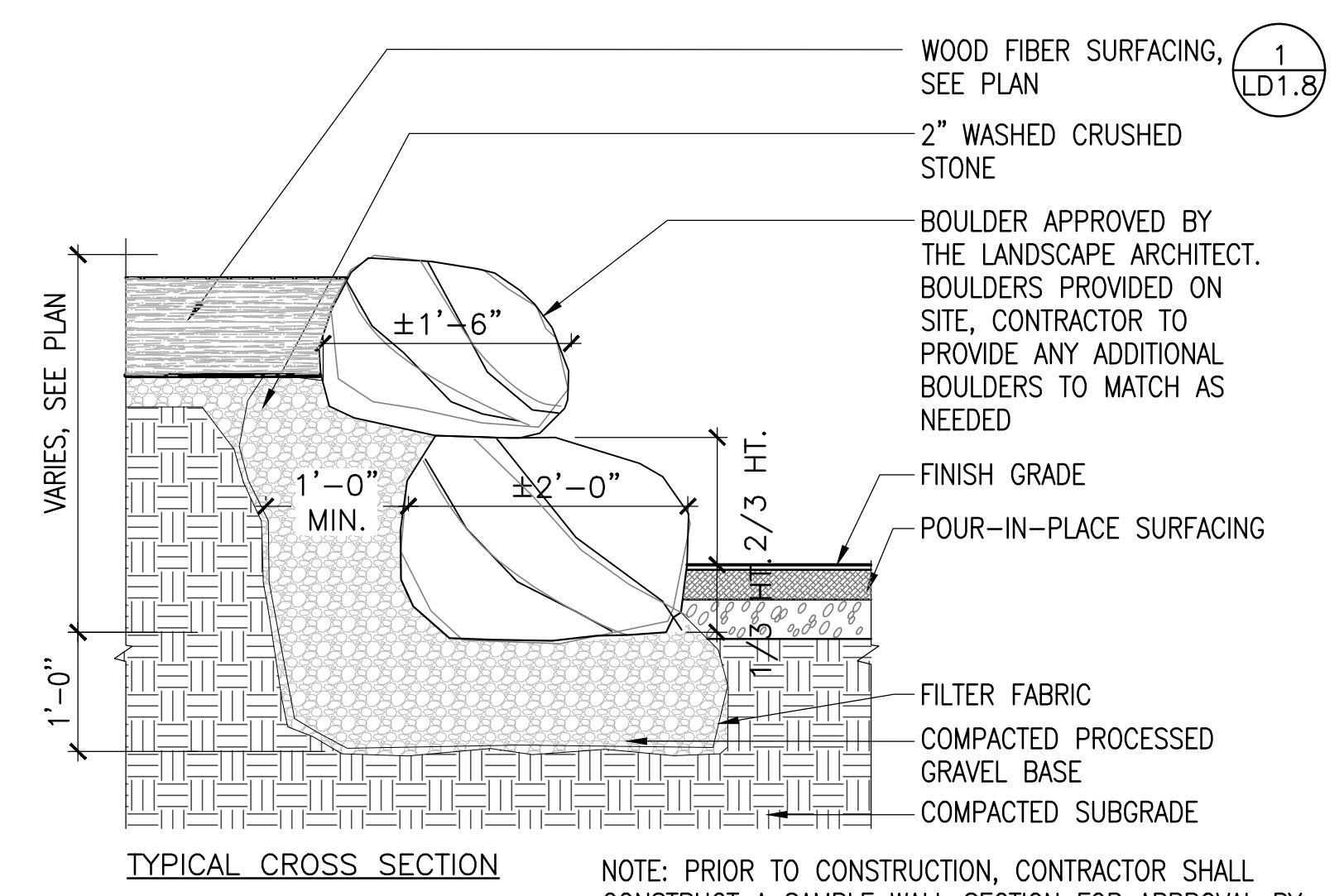
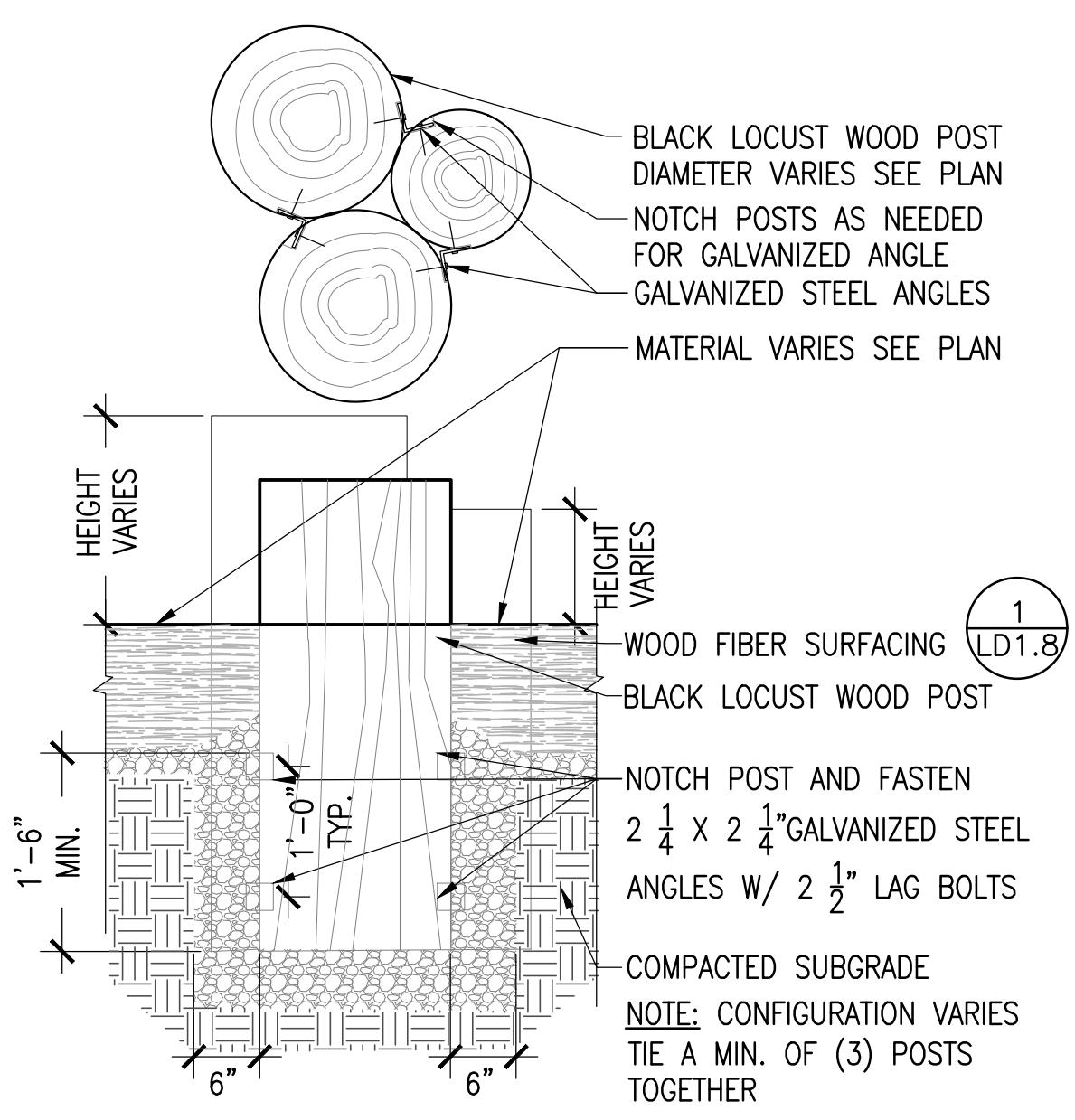
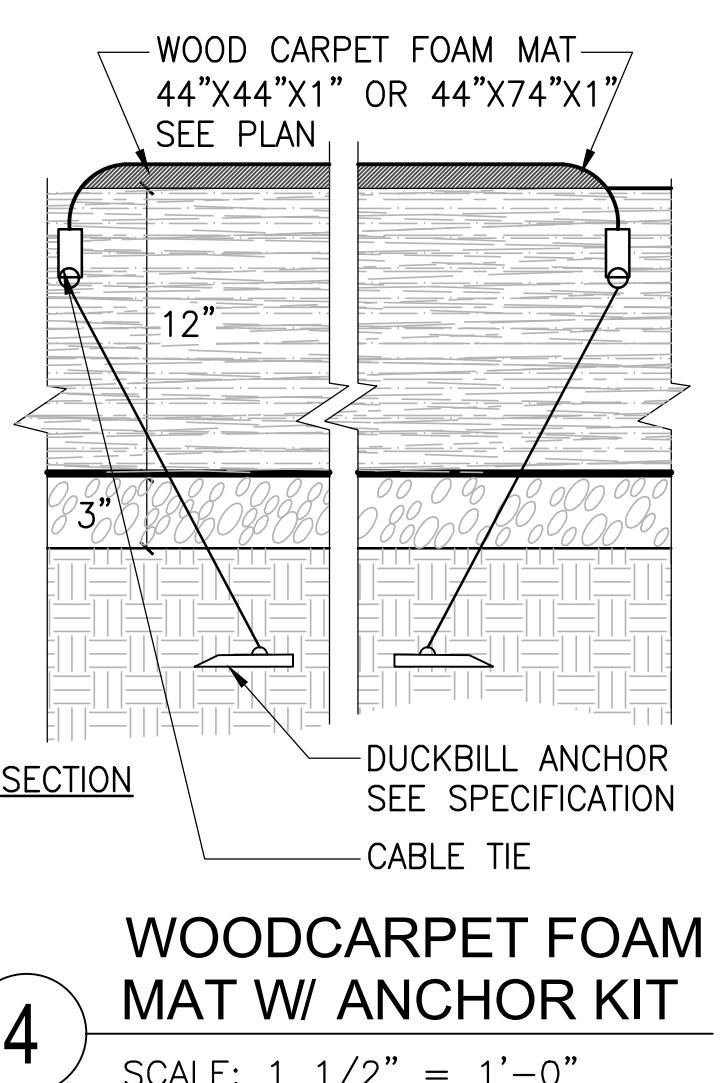


SEE **9 LD1.8** FOR EQUIPMENT POST FOOTING

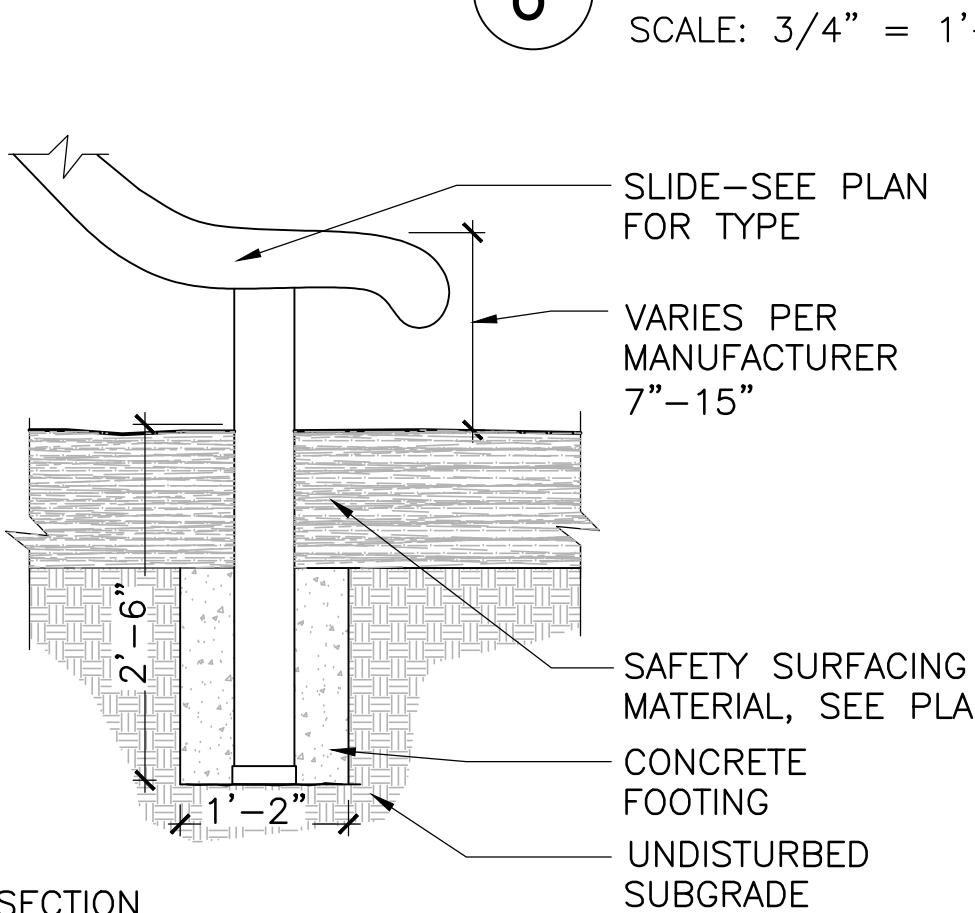
NOTE:  
- SEE SPEC FOR EQUIPMENT FINISHES AND COLORS  
- INSTALLED PLAY SURFACE SHALL MEET OR EXCEED CPSC PERFORMANCE GUIDELINES WITH RESPECT TO CRITICAL FALL HEIGHTS OF THE IN-PLACE PLAY EQUIPMENT.

**3 PLAY EQUIPMENT**

SCALE: N.T.S.



**7 SLIDE BOTTOM FOOTING**



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



**SWING FRAME - 3 BAYS**

NOTE:  
- POSTS AND BEAMS TO BE ROBINIA WOOD  
- ALL CHAINS AND HARDWARE TO BE STAINLESS STEEL  
- SWINGS TO INCLUDE (4) BELT SWINGS, (1) TODDLER SEAT, AND (1) GROUP ROPE CHAIR, SEE SPEC.



ARLINGTON  
RESERVOIR -  
PHASE 2

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON

**kzla**

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100% DESIGN DEVELOPMENT SET

Job Number:

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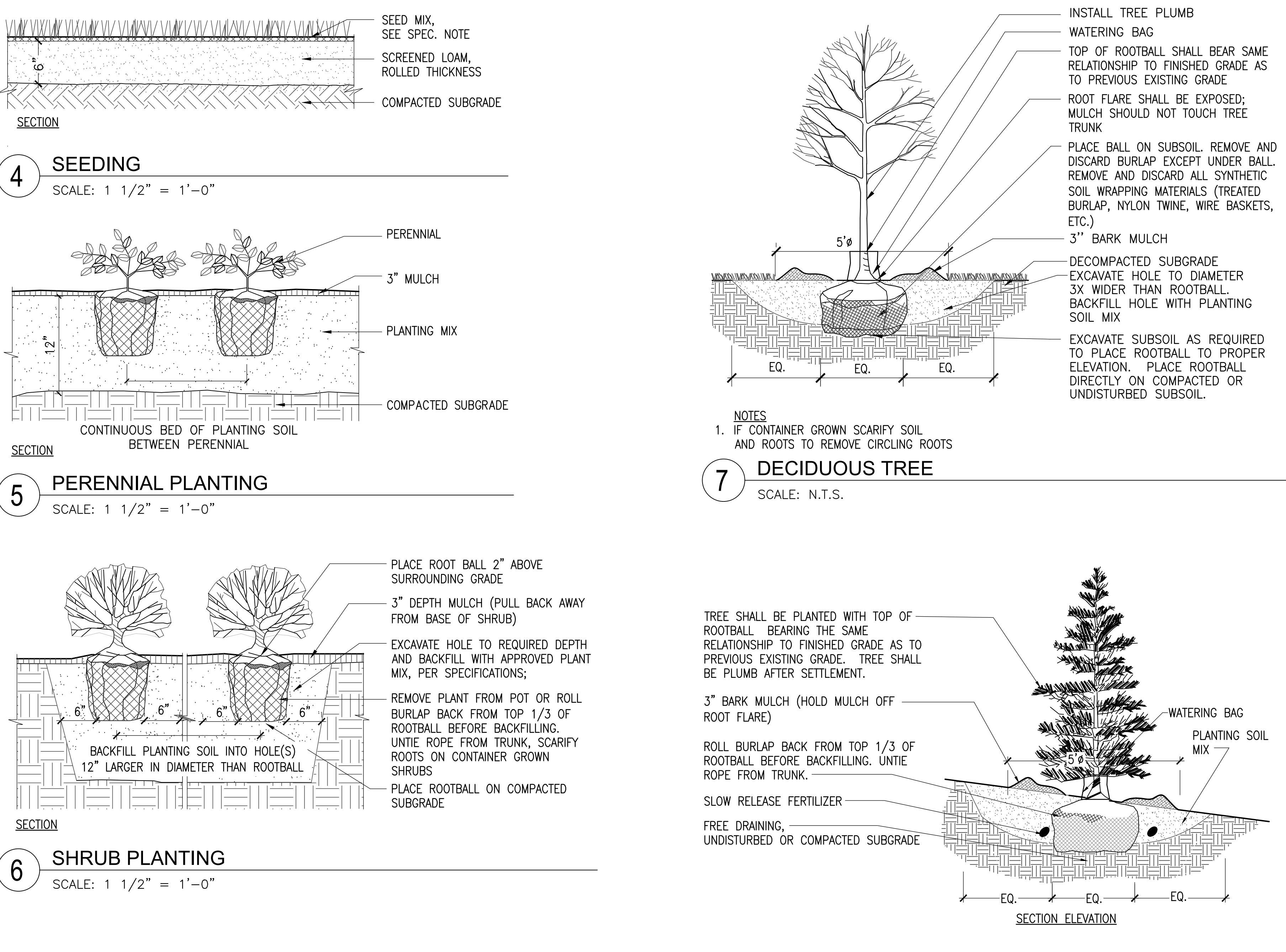
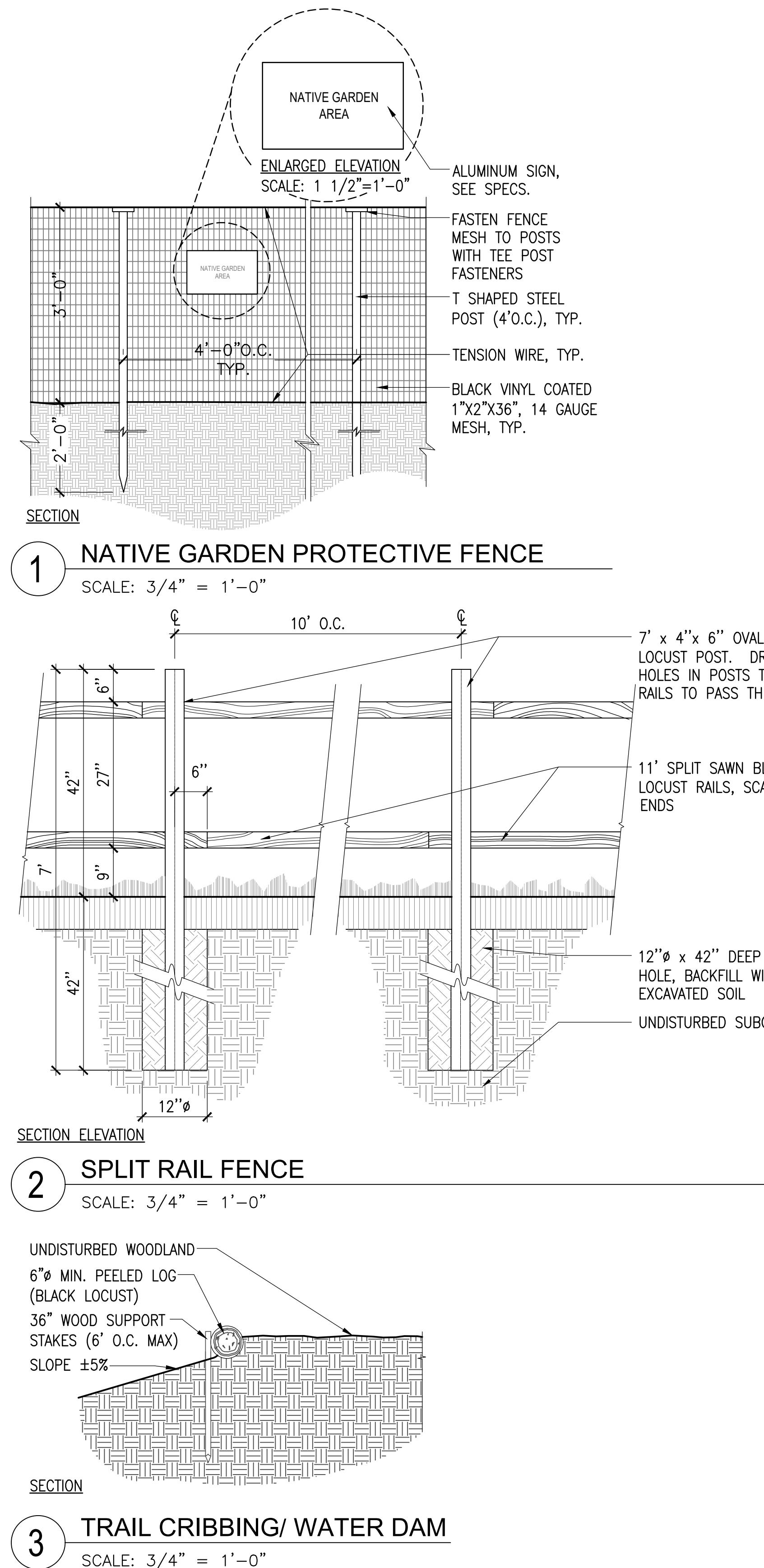
Drawing Title:

DETAILS

**LD1.8**

**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS  
TOWN OF ARLINGTON



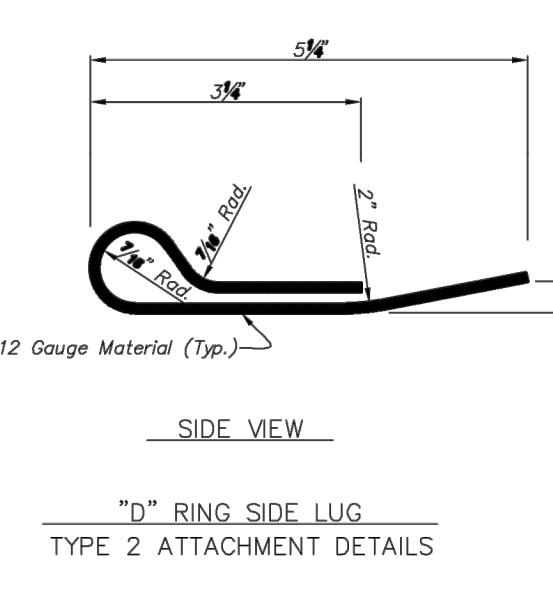
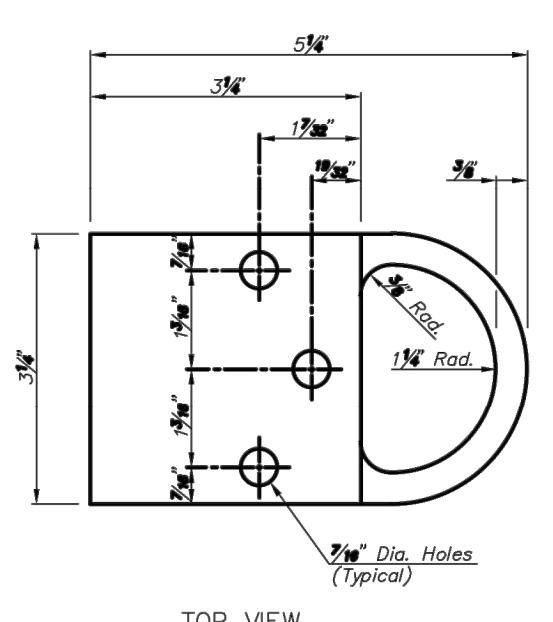
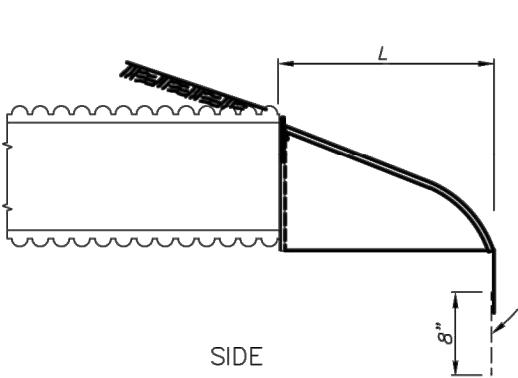
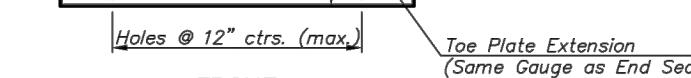
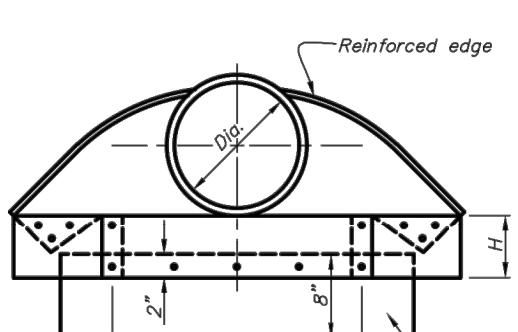
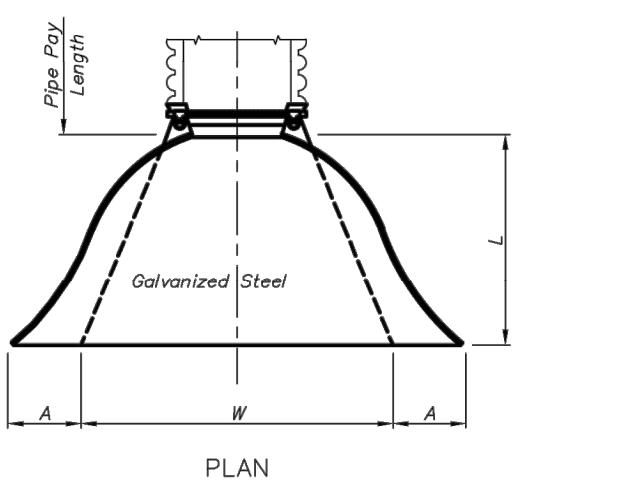
NO.	REVISION	DATE
<b>kzla</b> Kyle Zick Landscape Architecture, Inc. 36 Bromfield Street Suite 202 Boston, MA 02108 617 451-1018 Tel www.kylezick.com		
MASSACHUSETTS KYLE ZICK REGISTERED LANDSCAPE ARCHITECT		
100% DESIGN DEVELOPMENT SET		
Job Number:		
Project: ARLINGTON RES.		
Drawn By: JL/MD/RB Checked By: KZ		
Date: NOVEMBER 13, 2020		
Scale: AS SHOWN		
Drawing Title:		
DETAILS		
LD1.9		

END SECTIONS FOR HDPE PIPE								
Dia.	Gauge	Weight	* A	* H	* L	* W	Slope	Overall Width
6"	18	10	4	3	8	12	2	20"
8"	18	14	5 3/4	4	14 1/2	16	2 1/4	27 1/2"
10"	18	17	7 5/8	6	14 1/2	20	2 1/2	35 1/4"
12"	16	25	7	6	21	24	2 1/2	38"
15"	16	33	8	6	26	30	2 1/2	46"
18"	16	42	8	6	31	36	2 1/2	52"
21"	16	49	9	6	36	42	2 1/2	60"
24"	16	65	10	6	41	48	2 1/2	68"
30"	14	123	12	8	51	60	2 1/2	84"
36"	14	135	14	9	60	72	2 1/2	100"
42"	12	320	16	11	69	84	2 1/2	116"
48"	12	375	18	12	78	90	2 1/4	126"
54"	12	440	18	12	84	102	2 1/4	138"
60"	12/10	610	18	12	87	114	2	150"

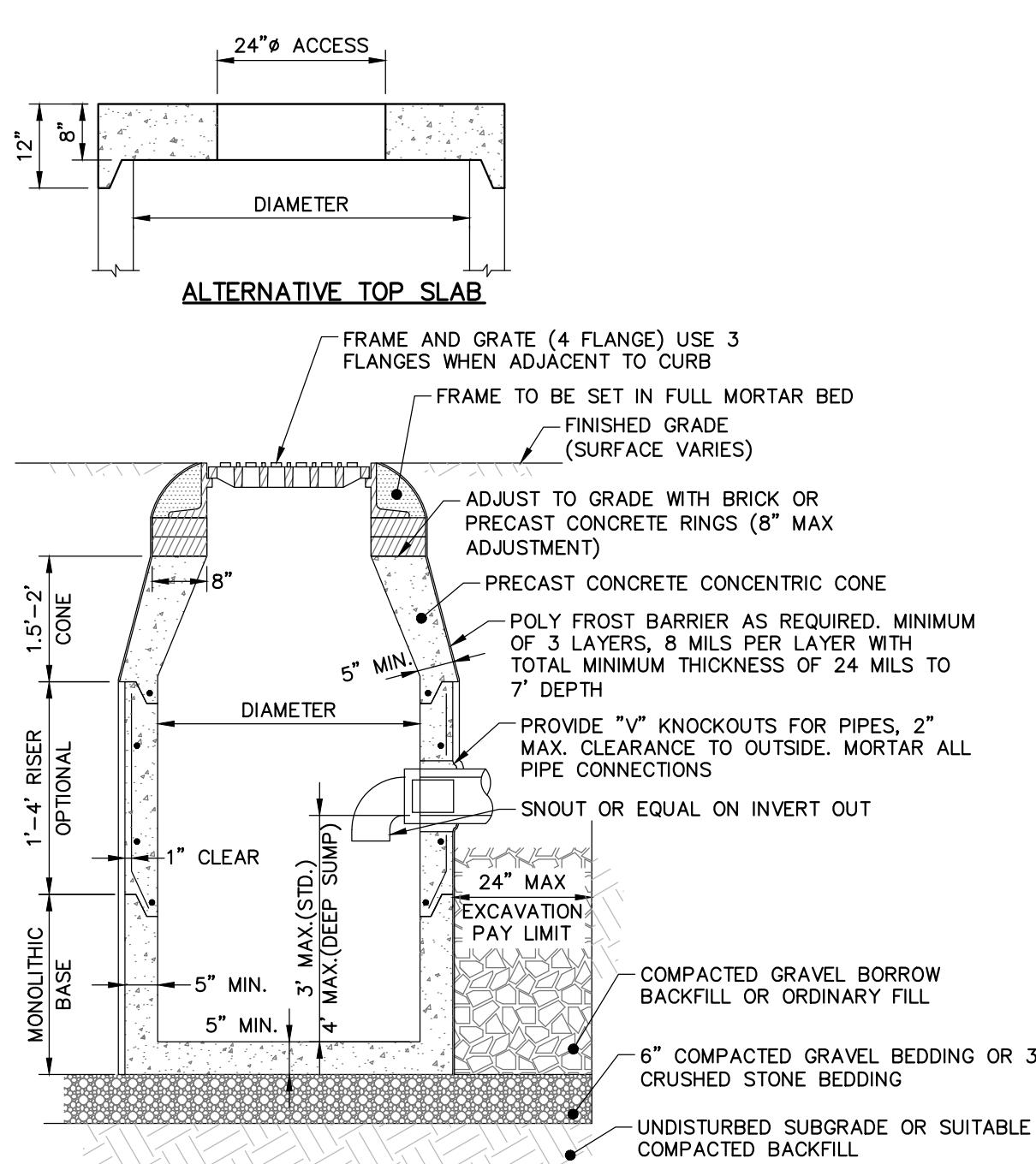
*Toe plate extensions where specified, to be punched to match holes in apron lip. 3/8" bolts to be furnished. The length of toe plate to be as follows: W + 10" for 12" to 30" diameter pipes inclusive.  
W + 20" for 36" to 60" diameter pipes inclusive.*

*Multiple panel end sections shall have lap seams which are to be tightly jointed by bolts. Corner plate, and toe plate to be same gauge as end section.*

\* — Dimensions in Inches Plus or Minus Standard Shop Tolerance.



## FLARED PIPE END DETAIL



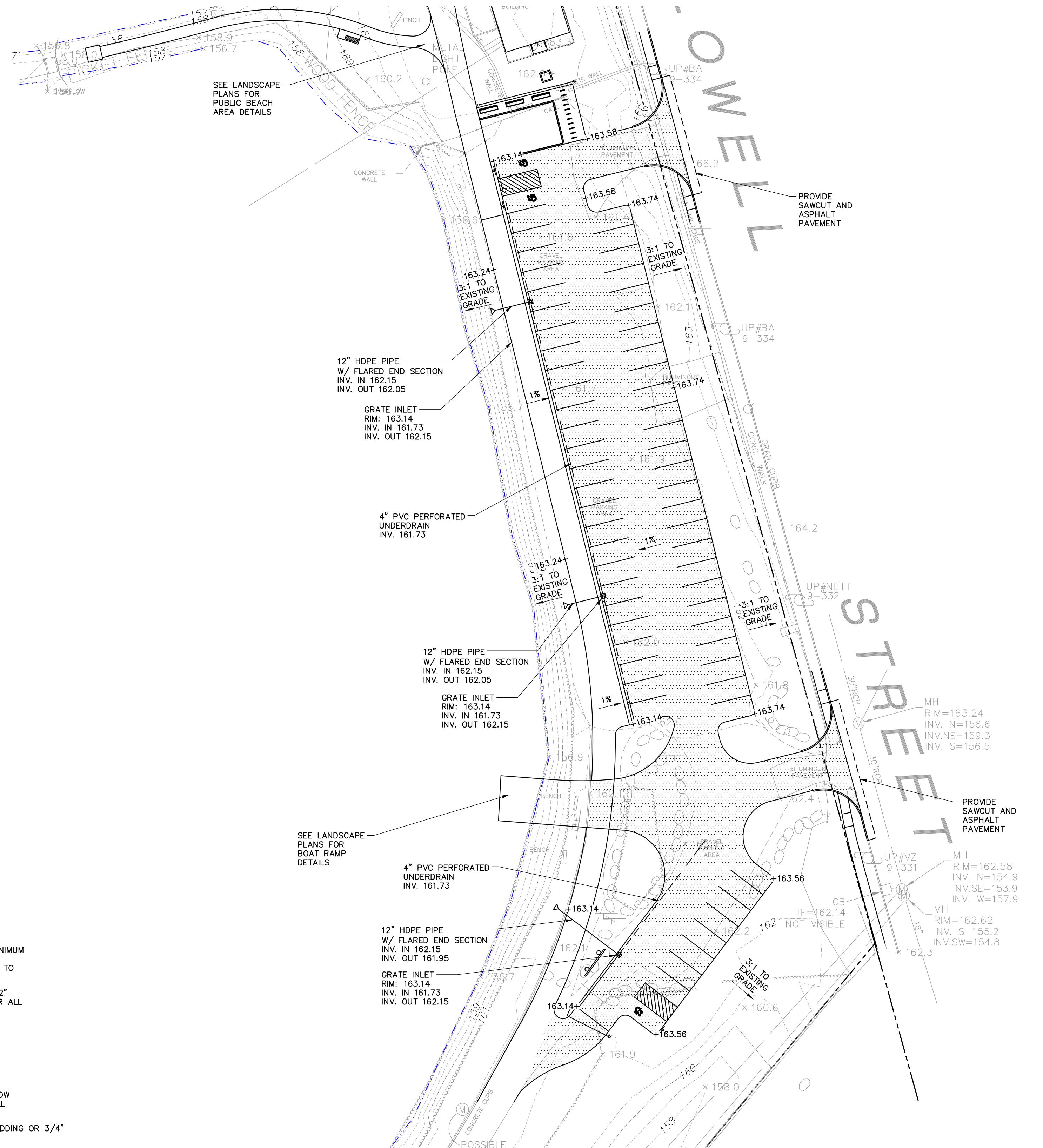
## POROUS PAVEMENT SECTION

N 7

PRECAST CONCRETE STRUCTURES AND CASTINGS SHALL BE SUITABLE FOR HS-20 LOADINGS.  
PRECAST CONCRETE STRUCTURES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.  
ALTIMATE TOP SLAB MAY BE USED AS DICTATED BY DESIGN AND/OR FIELD CONDITIONS.  
T SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.  
H BASIN FRAME AND GRATE(S) SHALL MEET MUNICIPAL AND STATE SPECIFICATIONS WHEN APPLICAB

# PRECAST CONCRETE CATCH BASIN

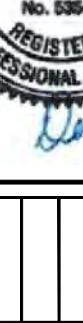
NOT TO SCALE

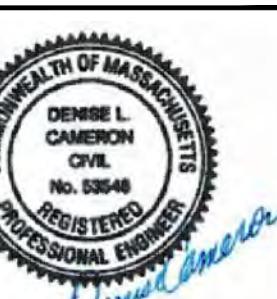


A horizontal graphic scale bar consisting of alternating black and white segments. The segments are labeled with numerical values at their ends: '30'' on the far left, '0' in the center, '30'' on the right side, and '60'' on the far right. Below the scale bar, the text 'BAR SCALE' is centered above a ratio '1" = 30'. At the bottom, the instruction 'CHECK GRAPHIC SCALE BEFORE USING' is centered.

**NOT FOR CONSTRUCTION**

TOWN OF ARLINGTON  
ARLINGTON, MASSACHUSETTS

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 <p>DENISE L.          CAMERON          CIVIL          No. 53548          REGISTERED          PROFESSIONAL ENGINEER</p> <p><i>Denise Cameron</i></p>		
REV	DESCRIPTION	DATE
DESIGNED BY:	LT	CHECKED BY: BM
DRAWN BY:	BCM	023315.00 - C-1.dwg



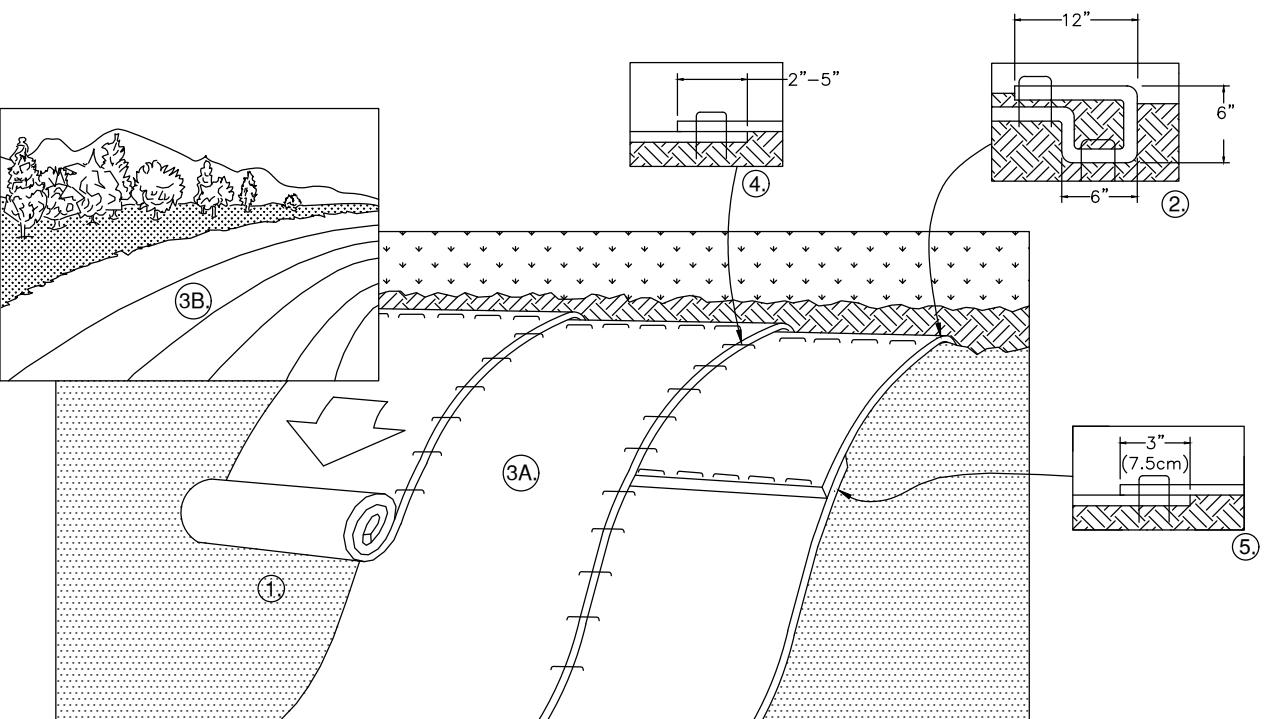
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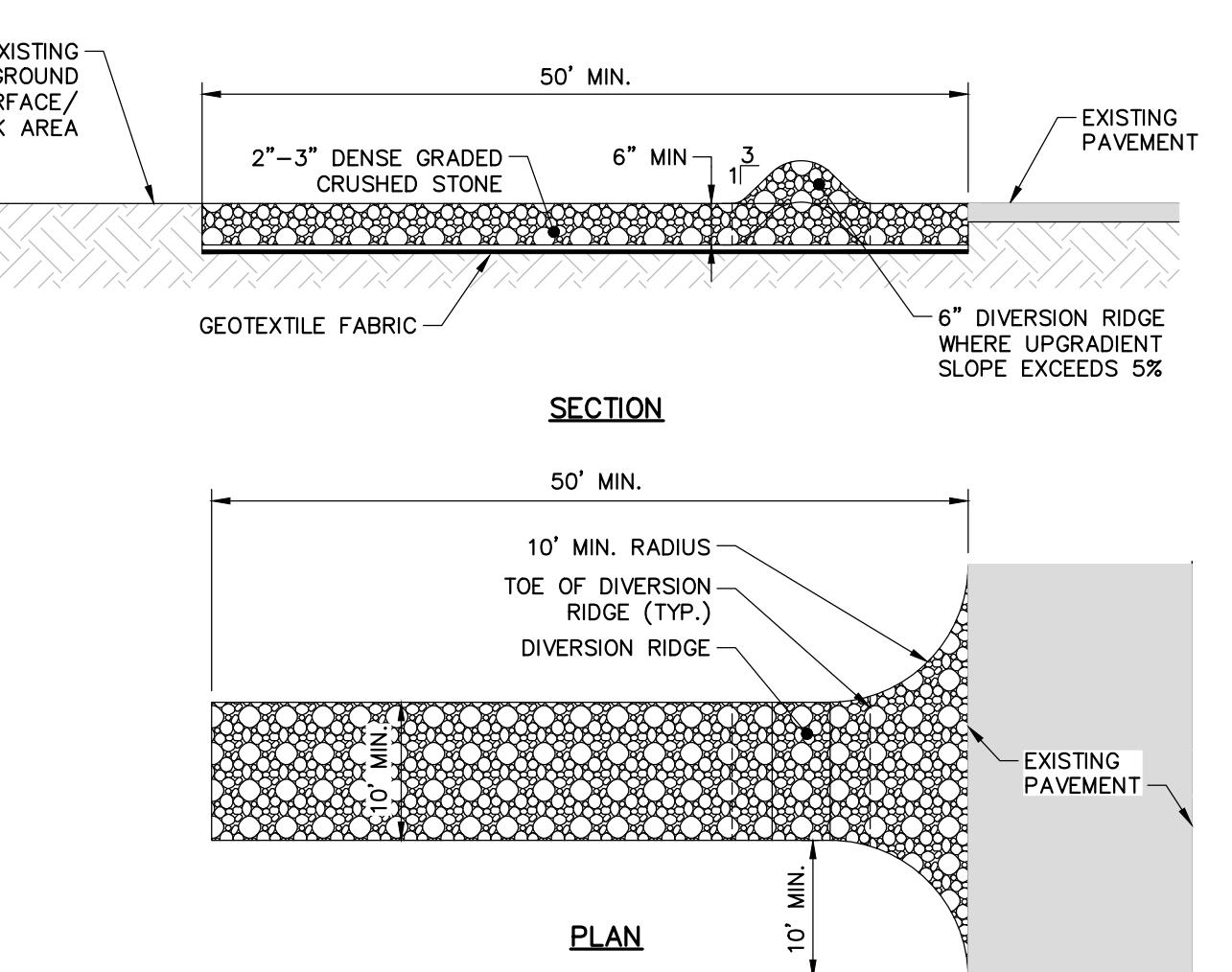
A



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED AS WELL AS REMOVING ANY PROTRUDING ROCKS, STUMPS OR ROOTS. DURING THE GROWING SEASON (APRIL 15 – SEPTEMBER 15) RECP'S ON SLOPES OF GRADED WATERWAYS, SHOULD NOT HAVE A GRADE GREATER THAN 15%, OR ANYWHERE WHERE HAY MULCH HAS PROVEN TO BE INEFFECTIVE AT CONTROLLING SHEET EROSION. RECP'S ARE A MANUFACTURED COMBINATION OF MULCH AND NETTING DESIGNED TO PREVENT EROSION AND RETAIN SOIL MOISTURE. FOR OVER WINTER PROTECTION, APPLY RECP'S ON THE BASE AND SIDE SLOPES OF GRASSED WATERWAYS AND ON SLOPES STEEPER THAN AN 8% GRADE.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECP's.
3. ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY 2" – 5" OVERLAP DEPENDING ON RECP's TYPE.
5. CONSECUTIVE RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP's WIDTH. NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.
6. UNTIL GRASS IS ABUNDANT, INSPECT PERIODICALLY AND AFTER EACH RAINSTORM TO CHECK FOR EROSION. IMMEDIATELY REPAIR AND ADD MORE MULCH UNTIL GRASSES ARE FIRMLY ESTABLISHED. DO NOT MOW THE FIRST YEAR.

#### ROLLED EROSION CONTROL MATTING

N.T.S.

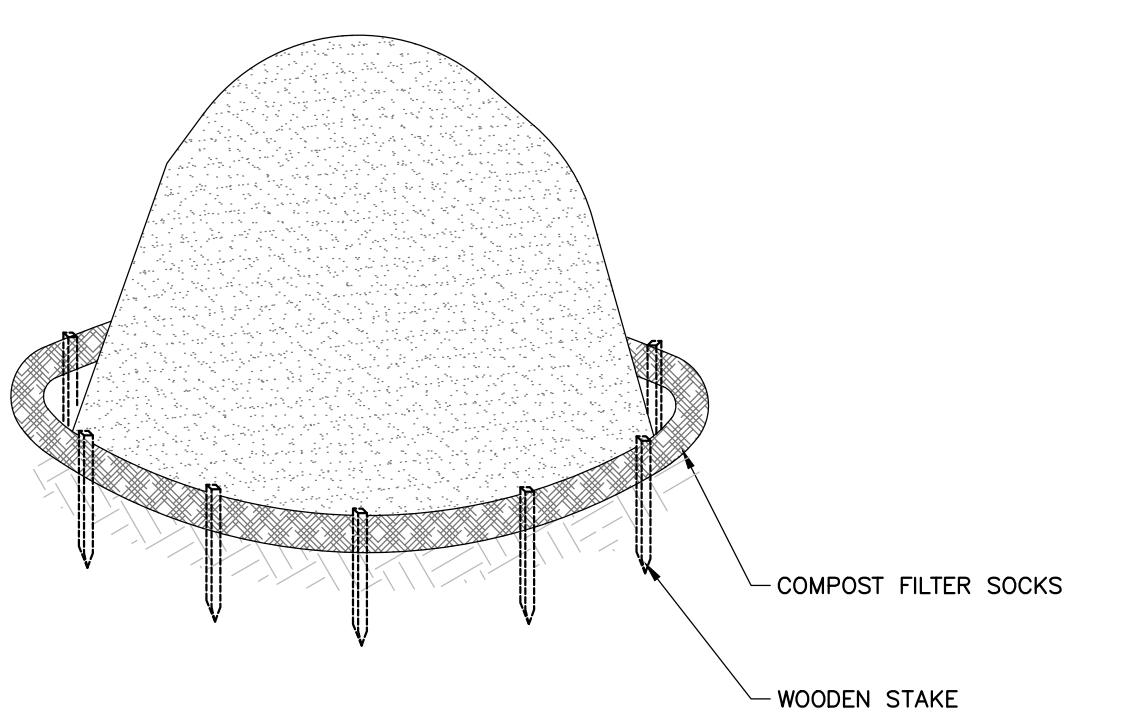


## NOTES:

1. GRADE TOWARDS SEDIMENT BARRIER WHEN NECESSARY TO MANAGE FLOW.
2. INCREASE MINIMUM LENGTH TO 100' WHERE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND OR AS NECESSARY FOR HEAVY CONSTRUCTION.

#### STABILIZED CONSTRUCTION ENTRANCE/EXIT

N.T.S.



## NOTES:

1. STOCKPILES SHALL BE SURROUNDED BY COMPOST FILTER SOCKS.
2. STOCKPILES SHALL HAVE A MAXIMUM 2:1 (H:V) SIDE SLOPE.
3. REPAIR OR REPLACE DAMAGED COMPOST FILTER SOCKS DUE TO CONSTRUCTION ACTIVITIES OR STOCKPILE MITIGATION.

#### TEMPORARY SOIL STOCKPILE

N.T.S.

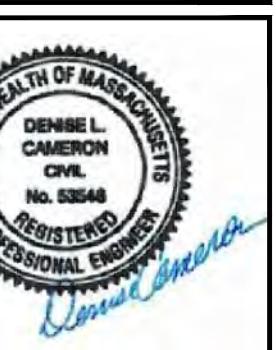
#### EROSION & SEDIMENT CONTROL DETAILS

TOWN OF ARLINGTON  
ARLINGTON, MASSACHUSETTS  
ARLINGTON RESERVOIR  
PHASE 2

JOB NO.:0233115.00  
DATE: NOVEMBER 2020  
SCALE: 1"=30'  
SHEET: 2 OF 2

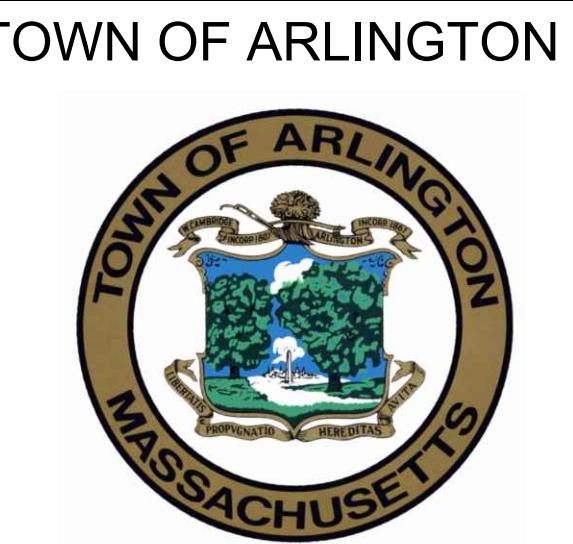
30' 0 30' 60'  
BAR SCALE  
1" = 30'  
CHECK GRAPHIC SCALE BEFORE USING

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C2.0



**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS



TOWN OF ARLINGTON  
MASSACHUSETTS

- LEGEND**
- PROPERTY LINES
  - EX MAJOR CONTOUR (5' INTERVAL)
  - EX MINOR CONTOUR (1' INTERVAL)
  - TOP OF BANK
  - 100' TOP OF BANK BUFFER
  - 200' RIVERFRONT AREA
  - AREA 'A' BANK RESTORATION > 12'  
AREA 'B' BANK CUT - ACTION PROPOSED
  - AREA 'B' BANK RESTORATION < 12'  
AREA 'C' BANK RESTORATION - STABLE  
SLOPE - REVEGETATION PROPOSED
  - AREA 'D' BANK RESTORATION - STABLE  
SLOPE - NO ACTION PROPOSED
  - AE FLOOD ZONE: 1% ANNUAL CHANCE OF  
FLOODING, WITH BASE FLOOD ELEVATION
  - EMBANKMENT
  - SIGNIFICANT INVASIVE POPULATION AREA

ANSI D (22" x 34") SCALE: 1" = 80'  
TABLOID (11" x 17") SCALE: 1" = 160'

0 40 80 160

NO. REVISION DATE

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36 Bromfield Street Suite 202  
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www.kylezick.com

DESIGN DEVELOPMENT SET

Job Number:

Project: ARLINGTON RES.

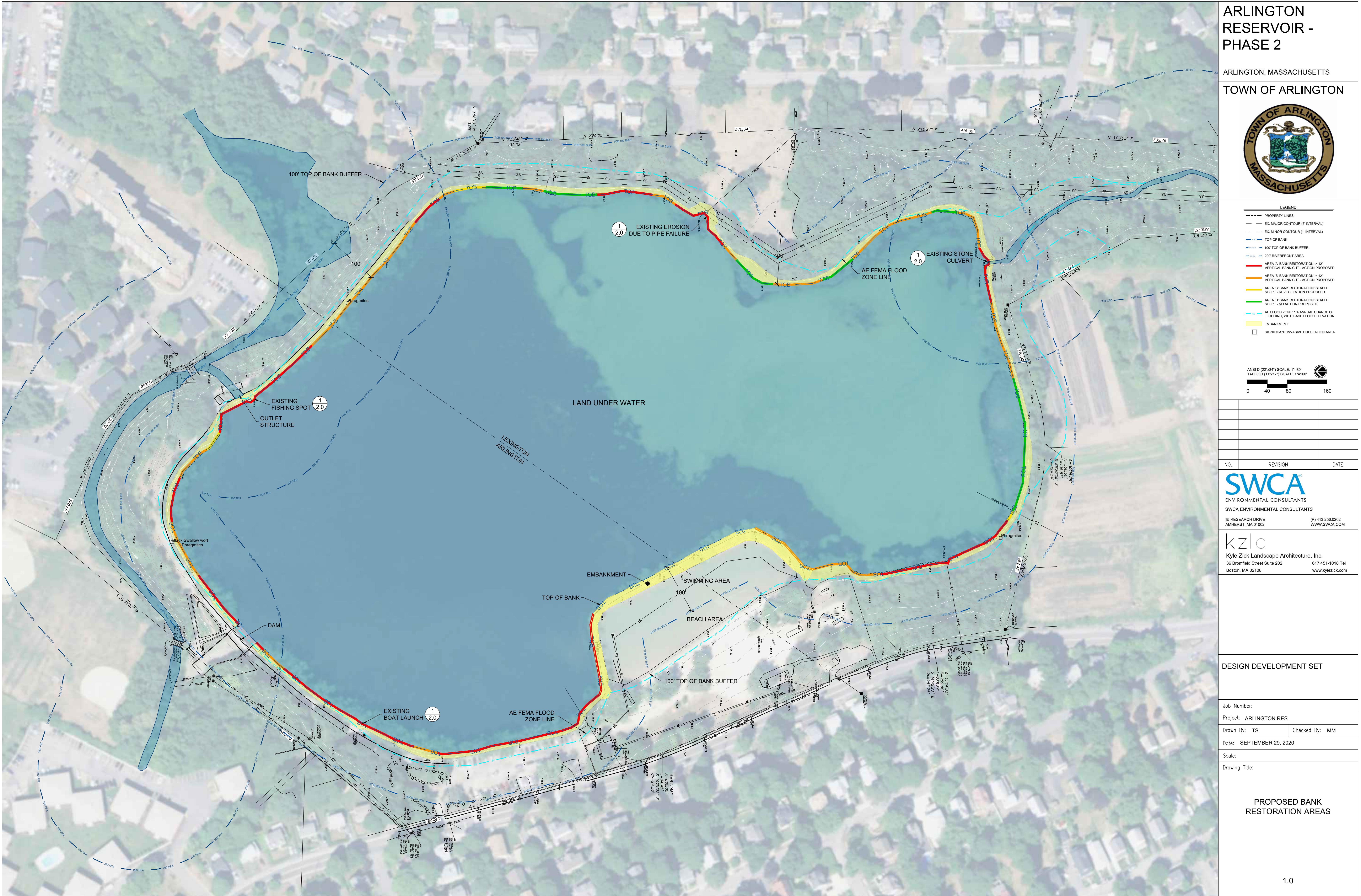
Drawn By: TS Checked By: MM

Date: SEPTEMBER 29, 2020

Scale:

Drawing Title:

**PROPOSED BANK  
RESTORATION AREAS**



**ARLINGTON  
RESERVOIR -  
PHASE 2**

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON



LEGEND

- - - PROPERTY LINES
- - - EX. MAJOR CONTOUR (5' INTERVAL)
- - - EX. MINOR CONTOUR (1' INTERVAL)
- - - 100' TOP OF BANK BUFFER
- - - AREA 'A' BANK RESTORATION > 12'
- - - AREA 'B' BANK RESTORATION: < 12'
- - - AREA 'C' BANK RESTORATION: STABLE SLOPE - REVETMENT PROPOSED
- - - AREA 'D' BANK RESTORATION: STABLE SLOPE - NO ACTION PROPOSED
- - - AE FLOOD ZONE: 1% ANNUAL CHANCE OF FLOODING, WITH BASE FLOOD ELEVATION
- - - EMBANKMENT
- SIGNIFICANT INVASIVE POPULATION AREA

ANSI D (22" x 34") SCALE: 1" = 20'  
TABLOID (11" x 17") SCALE: 1" = 40'

NO.	REVISION	DATE

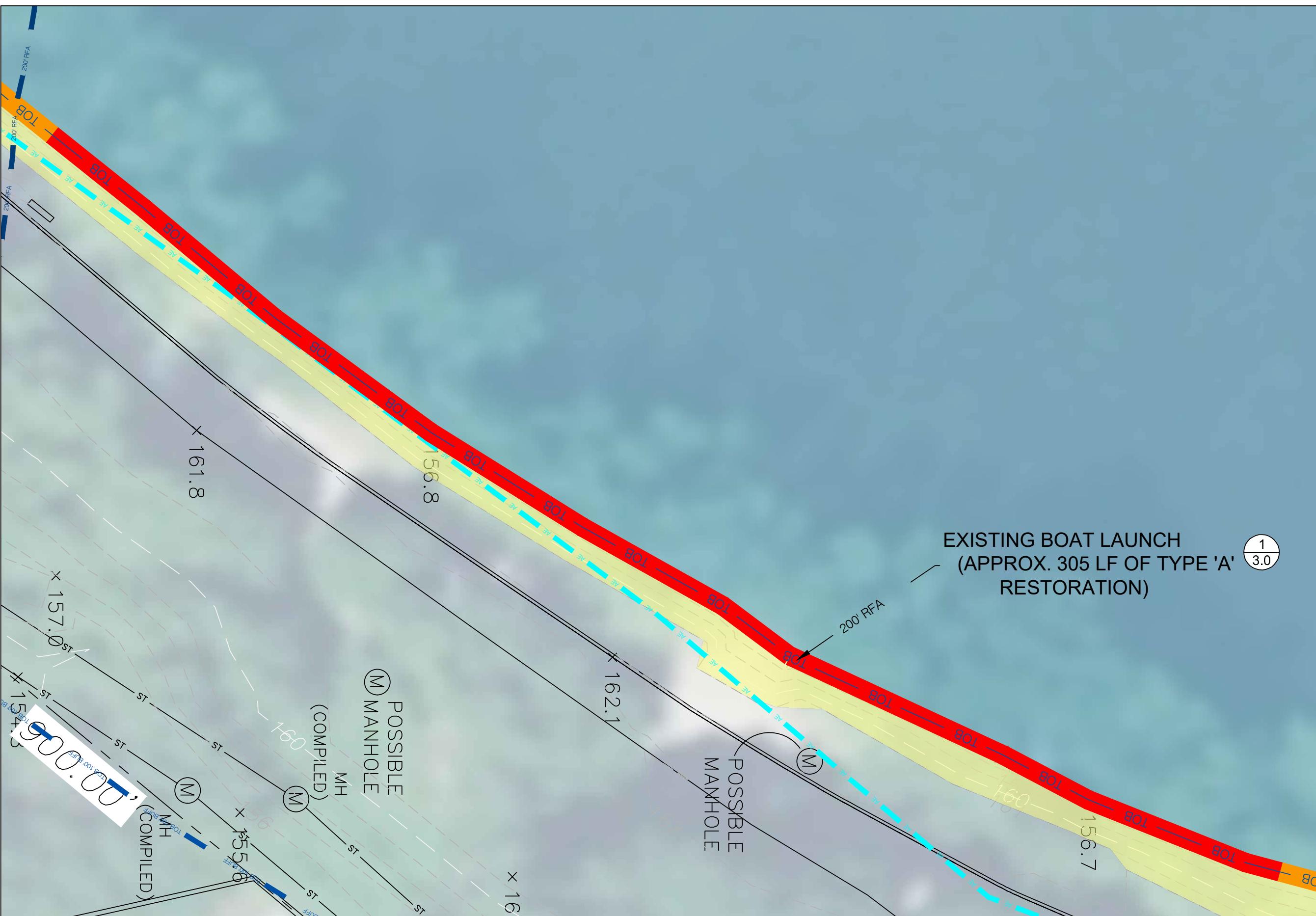
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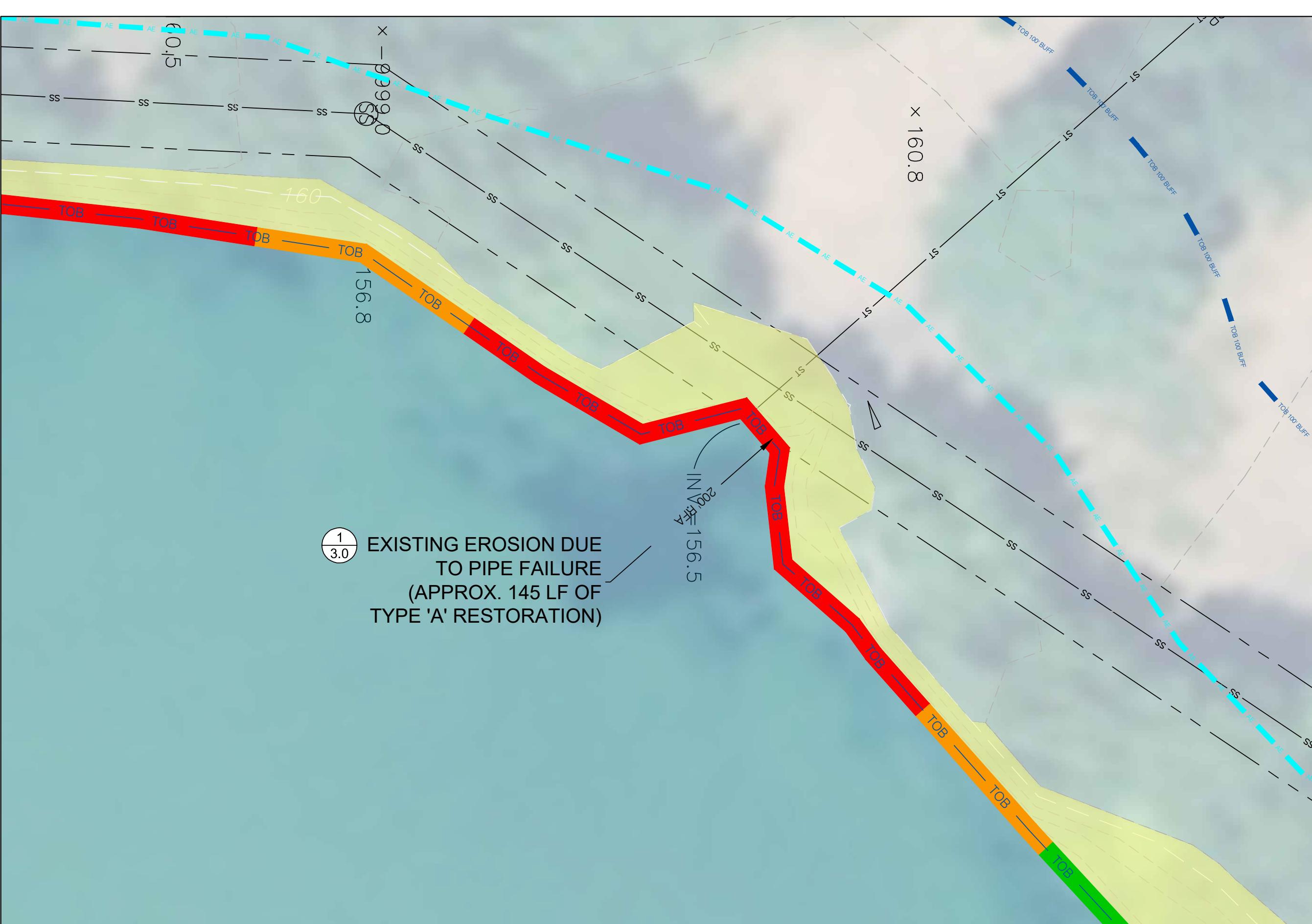
**DESIGN DEVELOPMENT SET**

Job Number:  
Project: ARLINGTON RES.  
Drawn By: TS Checked By: MM  
Date: SEPTEMBER 29, 2020  
Scale:  
Drawing Title:

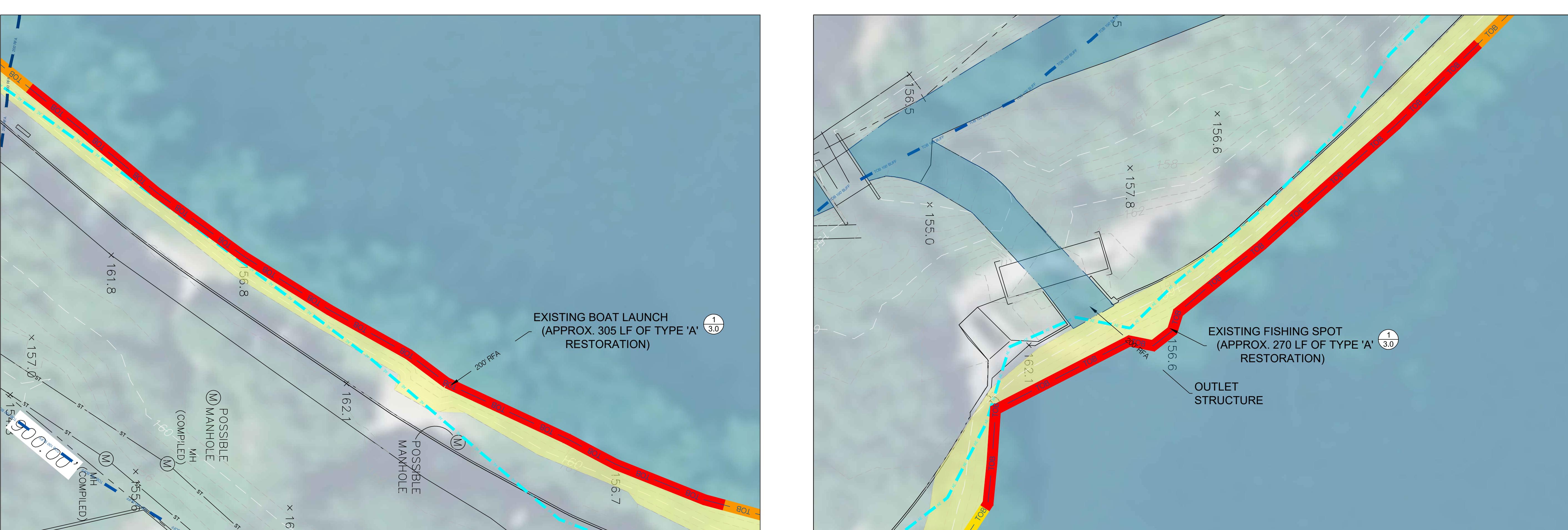
**PROPOSED AREAS OF PHASE 1  
BANK RESTORATION**



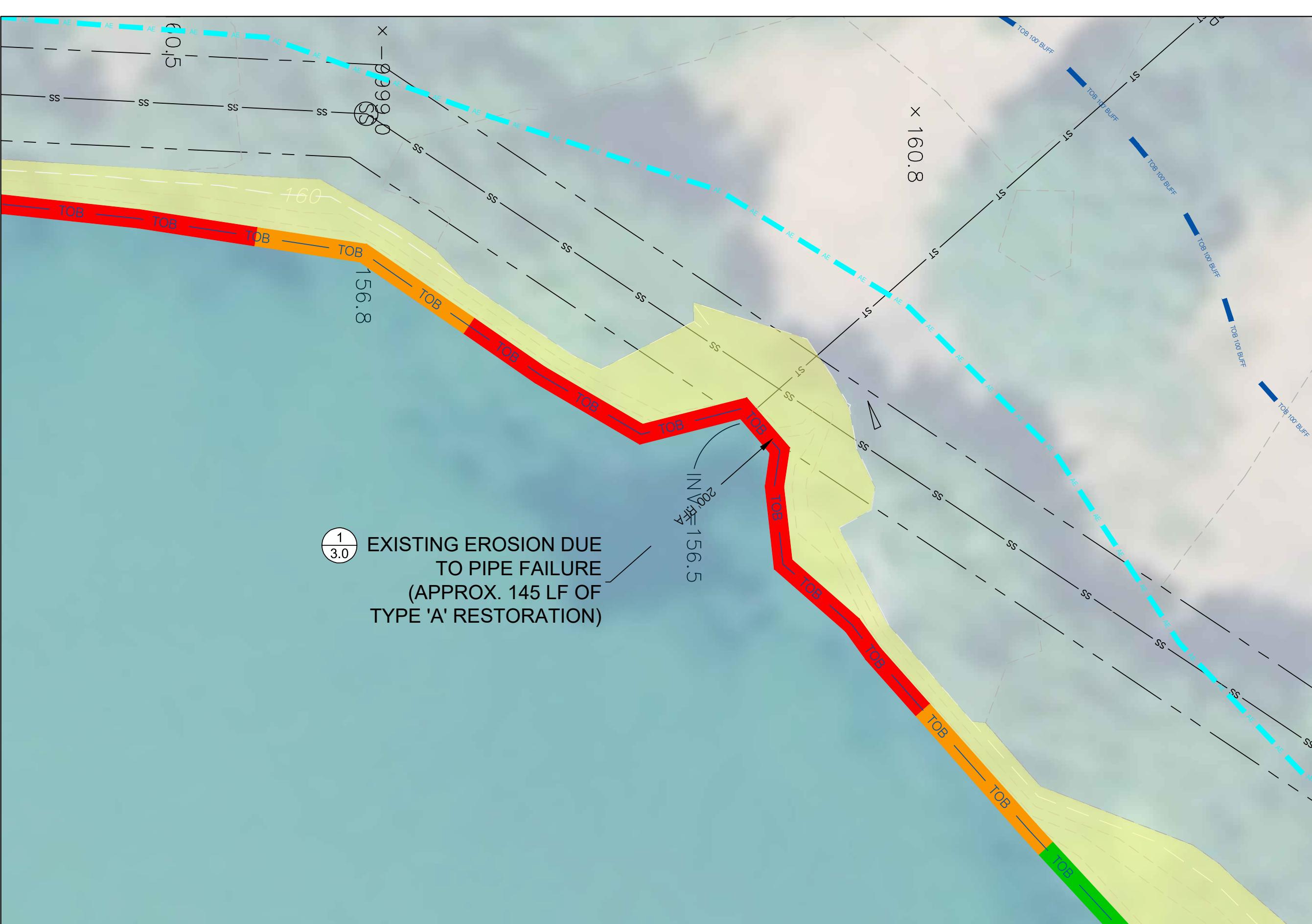
**1** PHASE 1 AREA OF CONCERN: EXISTING BOAT LAUNCH  
Scale: 1" = 20'



**3** PHASE 1 AREA OF CONCERN: EXISTING EROSION DUE TO PIPE FAILURE  
Scale: 1" = 20'



**2** PHASE 1 AREA OF CONCERN: EXISTING FISHING SPOT  
Scale: 1" = 20'

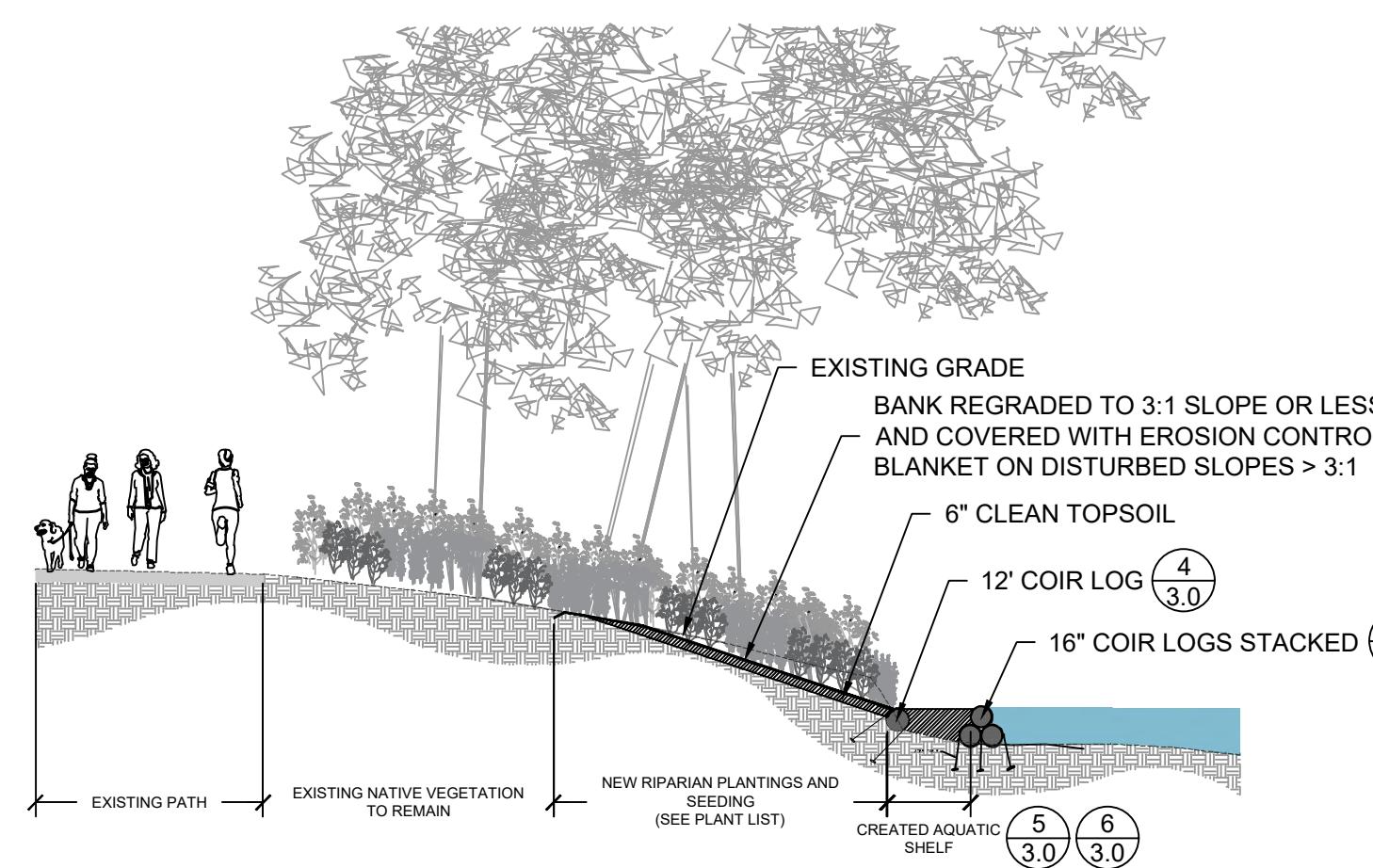


**1** PHASE 1 AREA OF CONCERN: EXISTING BOAT LAUNCH  
Scale: 1" = 20'

ARLINGTON  
RESERVOIR -  
PHASE 2

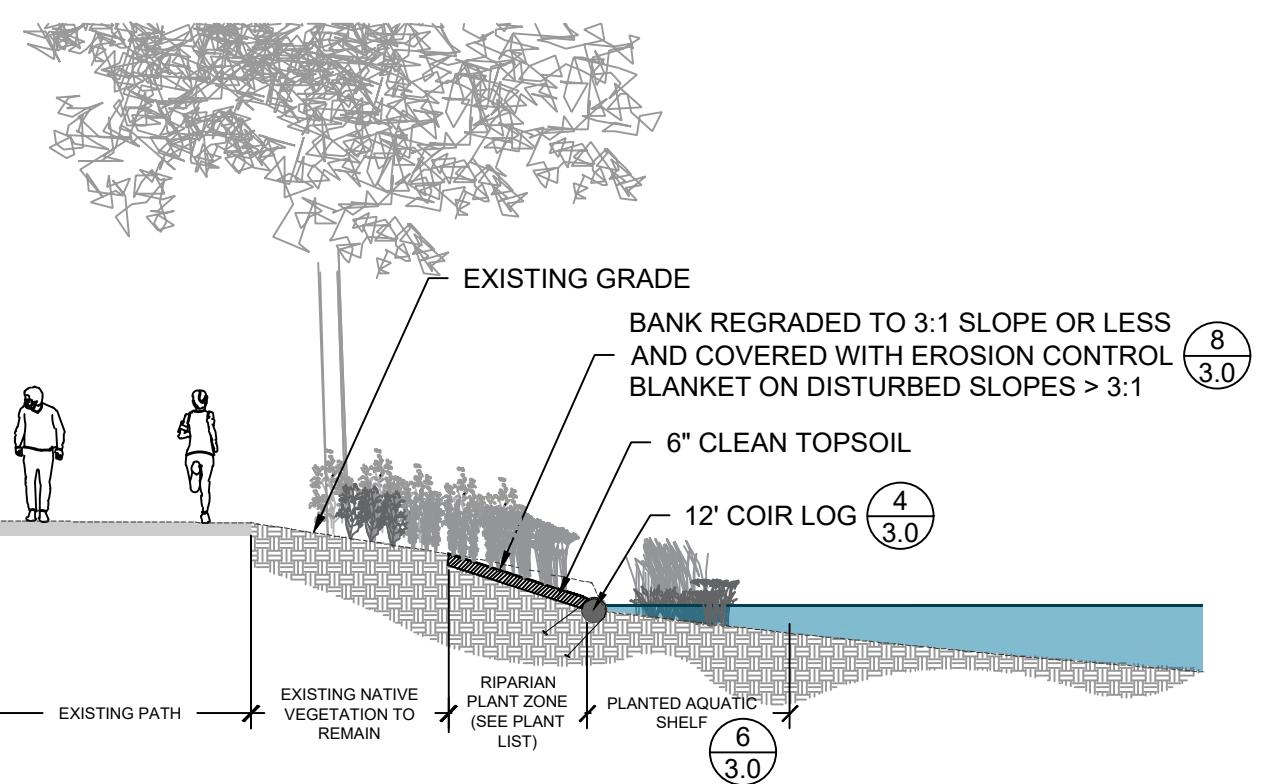
ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON



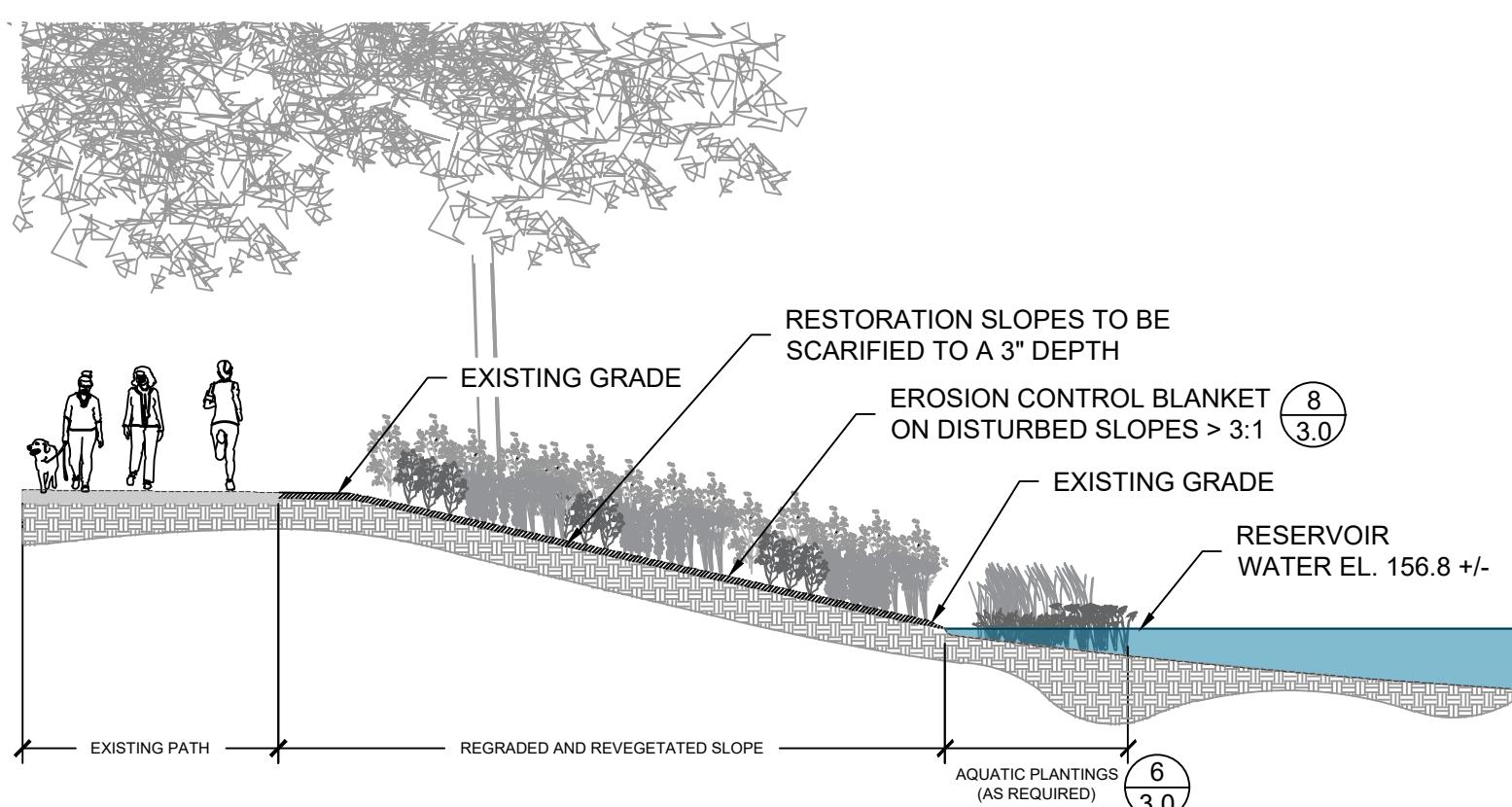
1 AREA 'A' BANK RESTORATION: > 12" VERTICAL BANK CUT (TYP.)

Scale: NTS



2 AREA 'B' BANK RESTORATION: < 12" VERTICAL BANK CUT (TYP.)

Scale: NTS



3 AREA 'C' BANK RESTORATION: STABLE SLOPE - REVEGETATION (TYP.)

Scale: NTS

NO.	REVISION	DATE

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DESIGN DEVELOPMENT SET

Job Number:  
Project: ARLINGTON RES.  
Drawn By: TS Checked By: MM  
Date: SEPTEMBER 29, 2020  
Scale:  
Drawing Title:

BANK RESTORATION  
SECTIONS



# ARLINGTON RESERVOIR - PHASE 2

ARLINGTON, MASSACHUSETTS

TOWN OF ARLINGTON



## EROSION CONTROL PLAN AND CONSTRUCTION SEQUENCING

EROSION AND SEDIMENT CONTROL METHODS FOR THE PROJECT INCLUDE STRUCTURAL AND STABILIZATION PRACTICES. STRUCTURAL PRACTICES INVOLVE THE CONSTRUCTION OF DEVICES TO DIVERT AND LIMIT RUNOFF. STABILIZATION PRACTICES WILL BE IMPLEMENTED TO COVER EXPOSED SOIL SO THAT DISCHARGE OF SEDIMENT IS MINIMIZED. AN ADEQUATE STOCKPILE OF EROSION CONTROL MATERIALS WILL BE MAINTAINED AT THE PROJECT SITE IN THE EVENT OF AN EMERGENCY OR ROUTINE REPAIR.

TO FURTHER MINIMIZE SEDIMENT LOSS ON THE SITE, A GENERAL CONSTRUCTION SEQUENCE PLAN HAS BEEN DEVELOPED. THE FOLLOWING ARE PROCEDURES TO BE FOLLOWED:

1. ALL VEHICLES AND EQUIPMENT BROUGHT TO THE PROJECT SITE SHALL BE CLEAN AND FREE OF INVASIVE PLANT MATERIAL.
2. THE WETLAND SPECIALIST SHALL MARK OUT RESOURCE BOUNDARIES IN IMPACT/RESTORATION AREAS IN THE FIELD PRIOR TO CONSTRUCTION.
3. PRIOR TO ANY SITE GRADING OR SITE WORK, THE CONTRACTOR SHALL INSTALL ALL SEDIMENT AND EROSION CONTROLS AS SHOWN ON THE RESTORATION PLAN, PLUS ANY ADDITIONAL CONTROLS REQUESTED BY THE WETLAND SPECIALIST BASED ON SITE CONDITIONS TO PREVENT SEDIMENT FROM LEAVING THE SITE OR FURTHER INTRUSION INTO WETLANDS AND THE RESERVOIR.
4. THE CONTRACTOR FOREMAN SHALL BE DESIGNATED AS THE ON-SITE INDIVIDUAL RESPONSIBLE FOR THE DAILY MONITORING AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS. ANY BREACH OR FAILURE IN SEDIMENT CONTROLS SHALL BE IMMEDIATELY REPAIRED OR REPLACED. SEDIMENT BUILD-UP BEHIND ANY EROSION CONTROL BARRIER SHALL BE REMOVED WHENEVER SEDIMENT HAS ACCUMULATED TO 3-INCHES IN DEPTH.
5. THE CONTRACTOR SHALL INCORPORATE PERMANENT EROSION CONTROL FEATURES, PERMANENT SLOPE STABILIZATION, AND VEGETATION INTO THE PROJECT PLANS AT THE EARLIEST PRACTICAL TIME TO MINIMIZE THE NEED FOR TEMPORARY CONTROLS.
6. ANY AREA DISTURBED WITHIN THE LIMIT OF BANK WORK IS TO BE SEDED WITH NEW ENGLAND SEMI-SHADE GRASS AND FORBS SEED MIX UNLESS SPECIFIED OTHERWISE IN THE PLANTING PLAN. THE GROUND SURFACE SHALL BE SCARIFIED PRIOR TO SEEDING. AFTER SEEDING, STRAW MULCH SHALL BE APPLIED TO THE GROUND SURFACE AT A RATE OF 2,500 LBS./ACRE. SEDED AND/OR PLANTED SLOPES GREATER THAN 3:1 SHALL BE COVERED WITH A BIODEGRADABLE EROSION CONTROL BLANKET SPECIFIED IN THE PLANS.
7. THE CONTRACTOR SHALL MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROL SYSTEMS IN GOOD CONDITION UNTIL THE SITE IS STABLE, AS VERIFIED BY THE WETLAND SPECIALIST. ONCE THE SITE IS STABLE, THE SEDIMENT AND EROSION CONTROLS MAY BE REMOVED UNDER THE DIRECTION OF THE WETLAND SPECIALIST.
8. SHOULD ANY EROSION CONTROL BLANKET BE UTILIZED, THEY SHALL BE COMPRISED OF NON-SYNTHETIC MATERIALS (E.G., JUTE MATTING). NO EROSION CONTROL BLANKETS COMPOSED OF PLASTIC-BASED MATERIALS SHALL BE USED.

## BANK RESTORATION NOTES

9. THE PURPOSE OF THIS RESTORATION PLAN IS TO IMPROVE BANK STABILITY OF ARLINGTON RESERVOIR BY REDUCING AND CONTROLLING SEDIMENTATION, RESTORING ERODED BANKS, AND ERADICATING NUISANCE VEGETATION.

10. THIS RESTORATION PLAN INCLUDES THREE ACTION OPTIONS DEPENDING ON THE EXTENT OF EXISTING EROSION CONDITIONS OBSERVED IN THE FIELD. BANK RESTORATION OPTIONS ADDRESS ONE OF THREE CONDITIONS A) VERTICAL BANK EROSION GREATER THAN 12 INCHES IN HEIGHT FROM THE WATER LINE, B) VERTICAL BANK EROSION LESS THAN 12 INCHES IN HEIGHT FROM THE WATER LINE, AND C) STABLE BANK EDGES WITH SLOPES DENUDED OF VEGETATION. AREAS INDICATED AS D) WERE OBSERVED TO BE STABLE AND SUFFICIENTLY VEGETATED AND REQUIRE NO ACTION.

11. ERODED PORTIONS OF POND EDGES ARE TO BE RESTORED WITH 12" BIODEGRADABLE COIR LOGS. COIR LOGS WILL BE INSTALLED BY HAND AND ASSOCIATED MINOR EARTHWORK WILL ALSO BE COMPLETED BY HAND OR WITH LIGHT MACHINERY. AREA OF RESERVOIR EDGES IMMEDIATELY UPGRADIENT OF COIR LOGS TO BE REVEGETATED AS NEEDED.

12. INVASIVE RIPARIAN AND AQUATIC WEEDS AND NUISANCE VEGETATION ARE TO BE REMOVED. REMOVAL TO BE CONDUCTED BY "HYDRO-RAKE" AND CHEMICAL TREATMENTS.

13. A FRIABLE "PLANTING BED" CONSISTENCY SHALL BE PREPARED. ANY COMPACTION CAUSED BY EXCAVATION SHALL BE ALLEVIATED.

14. THE RESTORATION AREAS ARE TO BE PLANTED WITH NATIVE WOODY SPECIES, THEN SEDED WITH NATIVE SEED. (SEE PLANT LIST). PLANT SUBSTITUTIONS DUE TO COMMERCIAL AVAILABILITY OR HYDROLOGIC CONDITIONS MUST BE APPROVED BY THE WETLAND SPECIALIST.

15. THE EROSION CONTROL BARRIER BETWEEN THE RESERVOIR AND RESTORATION AREAS SHALL BE REMOVED UPON STABILIZATION OF THE RESTORATION AREAS AND THE AREA RAKED TO ELIMINATE ANY BERM THAT MAY BE PRESENT BETWEEN THE RESOURCE RESTORATION AREAS AND THE ADJACENT BW OR RESERVOIR. ANY BARE SOIL THAT RESULTS FROM THE REMOVAL OF THE EROSION CONTROLS SHALL BE SEDED WITH THE SPECIFIED SEED MIX. ALL STAKES AND TWINE SHALL BE REMOVED.

## SEEDING GUIDANCE

16. SEED METHODOLOGY: THE FOLLOWING METHODOLOGY PROVIDES SEQUENCING FOR ESTABLISHING THE SEED MIXES PRESCRIBED ON IN THE PLANS. THIS PROCESS SHOULD BEGIN FOLLOWING FINAL GRADING. THIS METHODOLOGY DOES NOT SPECIFY A TEMPORARY COVER CROP. A COVER CROP MAY BE NEEDED TO STABILIZE THE SITE DEPENDING ON WEATHER CONDITIONS AND CONSTRUCTION TIMING RELATIVE TO THE SEASONS AND THE IDEAL TIME FRAME FOR ESTABLISHING THE SEDED AREAS. THE BEST TIME TO SEED FOR THIS PROJECT IS IN THE SPRING WHEN THE SOILS ARE AT A NORMAL MOISTURE CONTENT LEVEL (MOIST, NOT SATURATED) AND NO LATER THAN JUNE 30. WEATHER FORECASTS SHOULD BE MONITORED AS OCCASIONAL WATERING MAY BE NECESSARY IF A DRY SPRING SEASON OCCURS. THE SEEDING SEQUENCE SHOULD BEGIN NO LONGER THAN 48 HOURS AFTER FINAL GRADING. SITE STABILIZATION TECHNIQUES SHOULD BE UTILIZED IN THIS 48-HOUR TIME PERIOD.

17. SOIL SCARIFICATION/SEED BED PREPARATION: SEED BED PREPARATION IS THE PROCESS OF SCARIFYING AND LOOSENING THE SOIL SURFACE TO CREATE A LOOSE, FRIABLE, SOIL SURFACE. THE SOIL SURFACE SHOULD BE A UNIFORM PLANAR SURFACE THAT IS FLAT AND WITHOUT EXCESSIVE RIDGES, FURROWS, RUTS OR MOUNDS AND LOW SPOTS WHERE WATER CAN COLLECT. SOIL SCARIFICATION SHOULD ONLY OCCUR WHEN WEATHER, SOIL CONDITIONS, AND CONSTRUCTION PHASING ALLOWS FOR NO LONGER THAN 48 HOURS BETWEEN SCARIFICATION (THE BEGINNING OF THE SEEDING PROCESS) AND COVERING THE SEED WITH WEED FREE STRAW MULCH (NOT HAY). OR EROSION CONTROL BLANKET. THE SOIL SHOULD BE SCARIFIED TO MAXIMUM DEPTH OF 3 INCHES (SEF BELOW). DURING THIS PROCESS, AREAS WHERE COARSE GRAVEL DOMINATES THE SOIL SURFACE SHOULD BE IDENTIFIED AND AMENDED WITH FINE SANDY-SOIL COMMON BORROW GENERATED FROM ON-SITE EARTHWORK. THE IMPORTATION OF TOPSOIL SHOULD BE A LAST RESORT AND ONLY USED AS AN AMENDMENT FOR "LOCALIZED" SPOTS THAT LACK THE CHARACTERISTICS OF A SOIL SEED BED.

18. SEED APPLICATION: A WELL-PREPARED SEED BED PROVIDES A LOOSE FRIABLE SOIL SURFACE FOR WHICH THE SEED CAN BE SOWN INTO. SEED APPLICATION IS A TWO-PART PROCESS: 1) SEED APPLICATION AT PROPER RATES PER ACRE AND 2) SOW THE SEED INTO THE SOIL ¼ TO ½" DEPTH MAXIMUM. APPROPRIATE SEED RATES FOR EACH PRESCRIBED SEED MIX ARE SPECIFIED ON THE ACCOMPANYING DETAILS SHEET.

a. SEEDING BY HAND: CHECK THE SEED LABEL PRIOR TO OPENING THE BULK BAG TO CONFIRM THE CORRECT SEED IS BEING APPLIED TO THE SPECIFIED LOCATION. THE BULK BAGS OF SEED SHOULD BE AGITATED BY HAND ON SITE TO REDISTRIBUTE THE SEEDS IN THE MATRIX BEFORE SPREADING. IN BARE AREAS A WEED FREE STRAW MULCH MAY BE USED TO COVER THE SOIL SURFACE FOLLOWING THE SEED APPLICATION.

b. SOWING THE SEED: ONCE THE SEED MUST BE SOWN INTO THE SOIL TO THE DEPTH ABOVE TO INCREASE CHANCES OF GERMINATION BY KEEPING SOIL MOISTURE CLOSE TO THE SEED. THE SEED CAN BE SOWN BY A NUMBER OF WAYS INCLUDING "TRACKED" IN WITH A LOW PSI RUBBER TIRE OR TRACKED MACHINE, USING A YORK LANDSCAPE RAKE OR SIMILAR, OR THE TRADITIONAL MEANS OF USING A METAL LEAF RAKE.

19. RESEEDING: AREAS TO BE RESEEDED SHALL FOLLOW THE SAME SEEDING SEQUENCE OUTLINED ABOVE. IT IS EXPECTED THAT SOME SEDED AREAS MAY NOT GERMINATE, BUT THAT OVER TIME THE PLANTED AREAS SHALL FILL IN THROUGH SEED PROLIFERATION AND GROWTH HABITS. AREAS LARGE ENOUGH TO BE IDENTIFIED THROUGH MONITORING AS BEING DOMINATED BY WEEDS OR OTHER INVASIVE SPECIES THAT HAVE OUT COMPETED THE SPECIFIED SEED MIX OR AREAS DEEMED UNSTABLE DUE TO LOW PLANT GROWTH SHALL BE RESEEDED ACCORDINGLY.

20. PLANT SUCCESSION NOTES: IT IS POSSIBLE THAT OVER TIME SOME SEDED AREAS MIGHT BECOME DOMINATED BY NATIVE PLANT SPECIES EXISTING IN THE SOIL SEED BANK. ONE EXAMPLE OF THIS IS THE LIKELIHOOD THAT VARIOUS TYPES OF NATIVE FERNS COULD EMERGE IN SHADED AREAS. NO SPECIES OF FERNS ARE IN THE PRESCRIBED SEED MIX BUT ARE HIGHLY DESIRABLE SPECIES THAT CAN EXIST AND THRIVE IN THE IDENTIFIED PLANTING AREAS ADDING TO LANDSCAPE DIVERSITY. NATIVE SPECIES SUCH AS FERNS THAT EMERGE DUE TO BEING IN THE SOIL SEED BANK SHOULD REMAIN. THOROUGH AND REGULAR MONITORING DURING THE MATURATION OF THE ESTABLISHMENT AREAS IS A KEY COMPONENT TO BALANCING AREAS TO BE RESEDED AND AREAS WHERE SUCCESSIONAL PLANT GROWTH OF NATIVES SHOULD BE ALLOWED TO THRIVE.

Notes:  
1- Trees shall be of quality prescribed in crown observations and root observations details and specifications.  
2- See specifications for further requirements related to this detail.

Trunk caliper shall meet ANSI Z60 current edition for root ball size.

Root ball modified as required.

Round-topped soil berm 4" high x 8" wide above root ball surface shall be constructed around the root ball. Berm shall begin at root ball periphery.

Existing site soil added to create a smooth transition from the top of the raised root ball to the finished grade at a 15% max. slope.

4" layer of mulch. No more than 1" of mulch on top of root ball. (See specifications for mulch).

Original grade. Finished grade.

Loosened soil. Dig and turn the soil to reduce compaction to the area and depth shown.

Existing soil.

Bottom of root ball rests on existing or recompacted soil.

3x widest dimension of root ball.

Loosened soil. Dig and turn the soil to reduce compaction to the area and depth shown.

Existing soil.

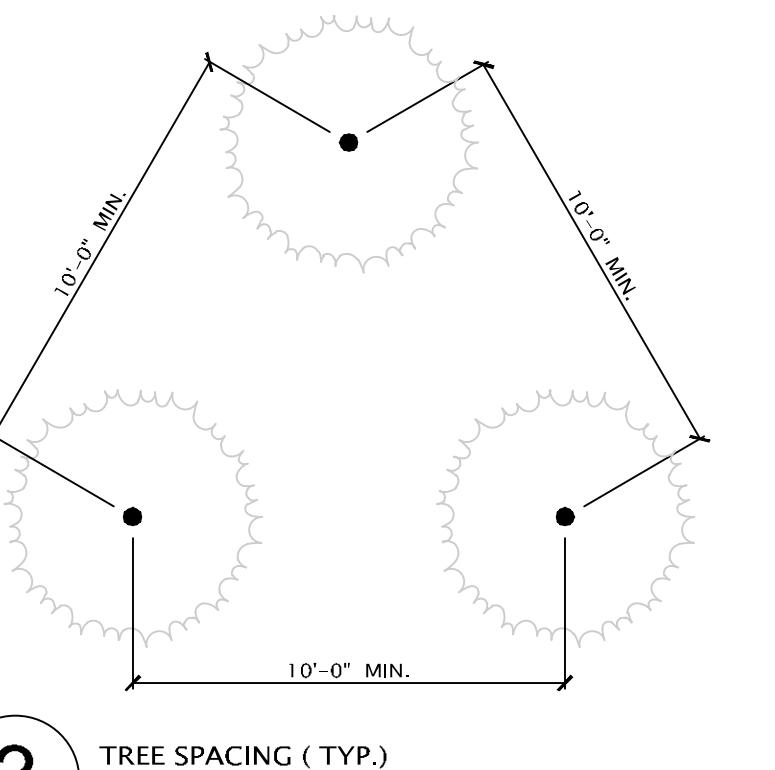
Root ball rests on existing or recompacted soil.

3x's widest dimension of root ball.

SECTION VIEW

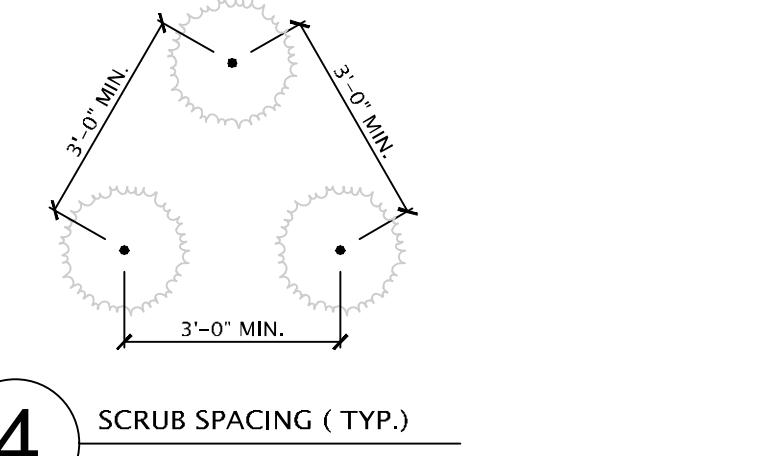
**1** TREE PLANTING DETAIL

Scale: NTS



**3** TREE SPACING (TYP.)

Scale: NTS



**4** SCRUB SPACING (TYP.)

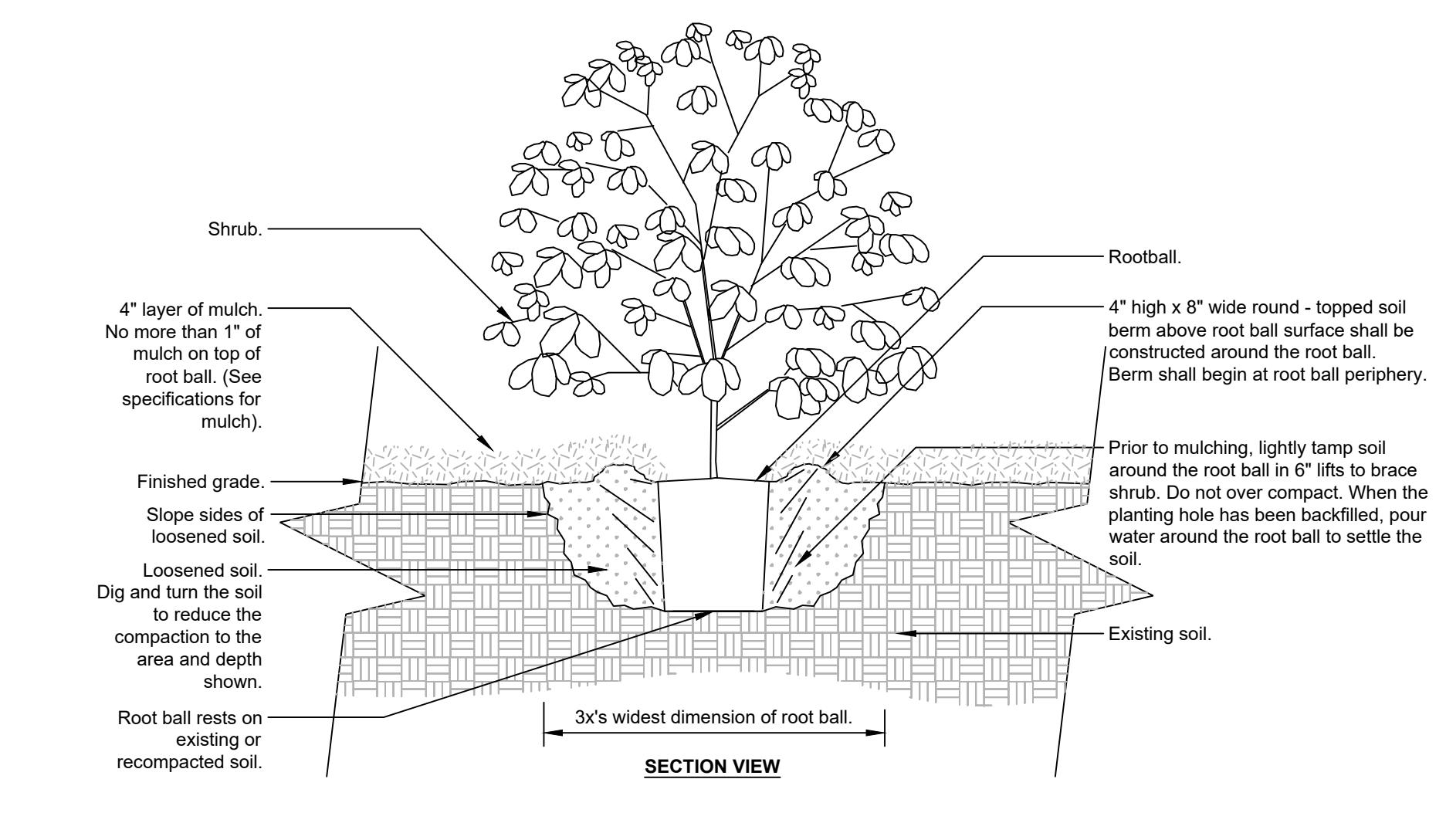
Scale: NTS

Botanical Name	Common Name	Indicator
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Elymus canadensis</i>	Canada Wild Rye	FACU+
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Chamaecrista fasciata</i>	Partridge Pea	FACU
<i>Liatris spicata</i>	Spiked Gayfeather/Marsh Blazing Star	FAC+
<i>Oncoclea sensibilis</i>	Sensitive Fern	FACW
<i>Aster puniceus (Symphytum puniceum)</i>	Zigzag Aster	FAC
<i>Eupatorium fistulosum (Eutrochium fistulosum)</i>	Hollow-Stem Joe Pye Weed	FACW
<i>Eupatorium perfoliatum</i>	Boneset	FACW
<i>Juncus tenuis</i>	Pat Rush	FAC

Apply: 30 lbs/acre

**5** NEW ENGLAND SEMI-SHADE GRASS AND FORBS MIX

Scale: NTS Source: Seed mixes referenced herein are provided by New England Wetland Plants, Inc.



Notes:  
1- Shrubs shall be of quality prescribed in root observations detail and specifications.

2- See specifications for further requirements related to this detail.

**2** SHRUB PLANTING DETAIL

Scale: NTS

## PLANT RESTORATION SCHEDULE

Cover Type	Abbrev.	Scientific Name	Common Name	Plant Size @ Installation	Area 'A'	Area 'B'	Area 'C'	Area 'D'
					Total Enhancement Area (ft)	2,120	1,650	130
<b>Trees</b>								
Ar	<i>Acer rubrum</i>	Red Maple	4'-6' ht. min.	--	9	3	--	--
Ba	<i>Betula alleghaniensis</i>	Yellow Birch	4'-6' ht. min.	--	9	--	--	--
Bp	<i>Betula populifolia</i>	Grey Birch	4'-6' ht. min.	--	9	--	--	--
Ns	<i>Nyssa sylvatica</i>	Black Gum	4'-6' ht. min.	--	9	3	--	--
Pd	<i>Populus deltoides</i>	Cottonwood	4'-6' ht. min.	--	9	--	--	--
Qr	<i>Quercus rubra</i>	Red Oak	4'-6' ht. min.	--	9	3	--	--
Sd	<i>Salix discolor</i>	Pussywillow	4'-6' ht. min.	--	9	3	--	--
Sn	<i>Salix nigra</i>	Black Willow	4'-6' ht. min.	--	9	3	--	--
<b>Shrubs</b>								
Ca	<i>Clethra alnifolia</i>	Sweet Pepperbush	3'-4' ht. min.	50	27	6	--	--
Cs	<i>Cornus sericea</i>	Red Osier Dogwood	3'-4' ht. min.	50	27	6	--	--
Iv	<i>Ilex verticillata</i>	Winterberry	3'-4' ht. min.	50	27	6	--	--
Vd	<i>Viburnum dentatum</i>	Northern Arrowwood	3'-4' ht. min.	50	27	6	--	--
<b>Herbaceous</b>								
- Shoreline/Fringe								
Cp	<i>Caltha palustris</i>	Marsh Marigold	2" plug	2,100	1,800	150	--	--
Ep	<i>Eupatorium perfoliatum</i>	Boneset Aster	2" plug	2,100	1,800	150	--	--
Mr	<i>Mimulus ringens</i>	Monkey Flower	2" plug	2,100	1,800	150	--	--
- Water Depth 0"-6"								