

FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\1951\05\6543\CAD\2.2 Final Design\CPA\05 Civil\6543_L-101-L-102.dwg LAYOUT NAME: L-101 TREE REMOVAL AND PROTECTION PLAN STA 0+00 TO STA 22+50 PLOTTED: Friday, August 22, 2025 - 11:42am USER: tcama

LEGEND

- XX+XX TREE LOCATION NO.(ID)
- EXISTING TREE TO BE REMOVED AND DISPOSED OF(NCL COMPLETE STUMP REMOVAL WHEN MINIMUM DEPTH TO PIPE IS MET, SEE NOTES), REFER TO MASTER TREE REMOVAL AND PROTECTION SCHEDULE, A/L-501
- EXISTING TREE TO BE PROTECTED, REFER TO DETAILS C/L-501 AND D/L-501
- EXISTING TREE OUTSIDE OF WORK LIMITS/ NO WORK PROPOSED
- EXISTING TREE TO BE REMOVED AND RELOCATED BY THE CITY OF WALTHAM PRIOR TO THE START OF CONSTRUCTION

- TREE REMOVAL NOTES:
- WHERE PIPE DEPTH PERMITS, STUMPS AT REMOVED TREES SHALL BE GROUND TO 6" BELOW THE EXISTING SURFACE GRADE.
 - WHEN PIPE COVERAGE FROM SURFACE GRADE TO TOP OF PIPE IS LESS THAN 2', CUT STUMP TO 6" MAX. ABOVE SURFACE GRADE. STUMPS THAT REMAIN SHALL BE TREATED WITH A 25-35% SOLUTION OF GLYPHOSATE HERBICIDE. APPLY HERBICIDE DIRECTLY TO THE CUT SURFACE WITH A SPONGE, PAINTBRUSH, OR SPRAY BOTTLE AS SOON AS POSSIBLE AFTER CUTTING.
 - FOR TREE SPECIES WITHIN PROJECT LIMITS, MATURE ROOT SYSTEM DEPTHS AVERAGE 5-7' AND ARE NOT EXPECTED TO EXTEND BEYOND 7-9'. WHEN PIPE DEPTH IS GREATER THAN 10' THE POTENTIAL CONFLICT OF ROOTS WITH A PIPE ARE MINIMAL AND TREE REMOVAL IS NOT REQUIRED.
 - ALL 2" TREES ALONG WAVERLEY OAKS ROAD SHALL BE REMOVED AND RELOCATED OUTSIDE OF THE EASEMENT PRIOR TO THE BEGINNING OF CONSTRUCTION, BY THE CITY OF WALTHAM

LOCATION NO. (ID)	TREE DIAMETER (IN)	TREE LATIN NAME	TREE COMMON NAME	ACTIVITY	HEALTH
00+43	4	Zelkova serrata	Japanese Zelkova	Trunk & Tree Protection Fence	Good
01+53	12	Acer platanoides	Norway Maple	Trunk & Tree Protection Fence	Good
02+80	5	Malus halliana	Hall Crabapple	Remove for construction	Good
04+56	18	Quercus rubra	Northern Red Oak	Trunk & Tree Protection Fence	Good
06+61	36	Quercus palustris	Pin Oak	Remove for construction	Good
07+98	22, 26	Quercus rubra	Northern Red Oak	Remove for construction	Good
08+05	13	N/A	N/A	Remove stump for construction	Stump
09+01	18	Quercus rubra	Northern Red Oak	Remove for construction	Good
09+24	14, 15	Quercus rubra	Northern Red Oak	Remove for construction	Good
09+55	13	Quercus rubra	Northern Red Oak	Remove for construction	Good
09+66	13, 13	Quercus rubra	Northern Red Oak	Remove for construction	Good
09+78	8	Quercus rubra	Northern Red Oak	Remove for construction	Poor
10+12	36	Quercus alba	White Oak	Remove for construction	Good
11+27	24	Quercus rubra	Northern Red Oak	Remove for construction	Good
11+44	12	Quercus rubra	Northern Red Oak	Remove for construction	Good
11+57	36	Quercus rubra	Northern Red Oak	Remove for construction	Poor
11+78	20	Quercus rubra	Northern Red Oak	Remove for construction	Good
12+08	12	Quercus rubra	Northern Red Oak	Remove for construction	Good
12+15	12	N/A	N/A	Remove stump for construction	Stump
12+25	18, 18	Quercus rubra	Northern Red Oak	Remove for construction	Good
12+34	10	Quercus rubra	Northern Red Oak	Remove for construction	Poor
13+13	10	N/A	N/A	Remove stump for construction	Stump
13+59	22	Quercus rubra	Northern Red Oak	Remove for construction	Good
13+64	19	Quercus rubra	Northern Red Oak	Remove for construction	Good
14+69	2	Quercus rubra	Northern Red Oak	Remove & Relocate by Others	Good
15+43	2	Quercus alba	White Oak	Remove & Relocate by Others	Poor
16+07	2	N/A	N/A	Remove stump for construction	Stump
16+86	2	Quercus rubra	Northern Red Oak	Remove & Relocate by Others	Good
17+80	36	Quercus rubra	Northern Red Oak	Remove for construction	Poor
19+04	2	Quercus alba	White Oak	Remove & Relocate by Others	Good
19+78	2	Quercus rubra	Northern Red Oak	Remove & Relocate by Others	Good
20+54	2	Quercus alba	White Oak	Remove & Relocate by Others	Good
21+31	30	Quercus palustris	Pin Oak	Trunk & Tree Protection Fence	Good

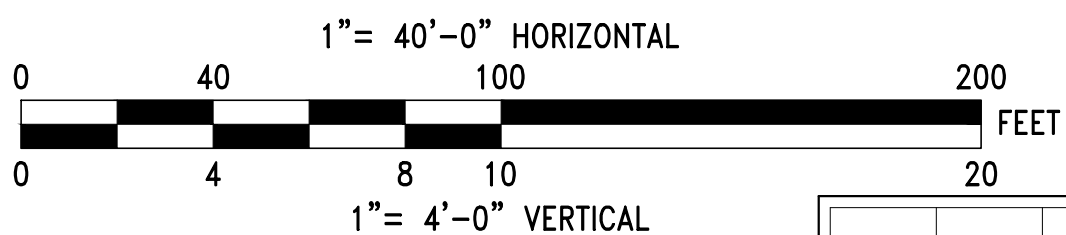
PLAN

SCALE: HORIZ 1"=40'

WAVERLEY OAKS ROAD

PLAN

SCALE: HORIZ 1"=40'



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 6543

FILE NO. : 6543_L-101-L-102

ACCESSION NO. : ----

SECTION NO. : W10

DATE: AUGUST 2025

DESIGNED BY: GS

SCALE: AS NOTED

DRAWN BY: IL

CHECKED BY: CF

APPROVED BY: CF



MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY :



45 BLUE SKY DRIVE, 3RD FLOOR
BURLINGTON, MA 01803
www.stantec.com

WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

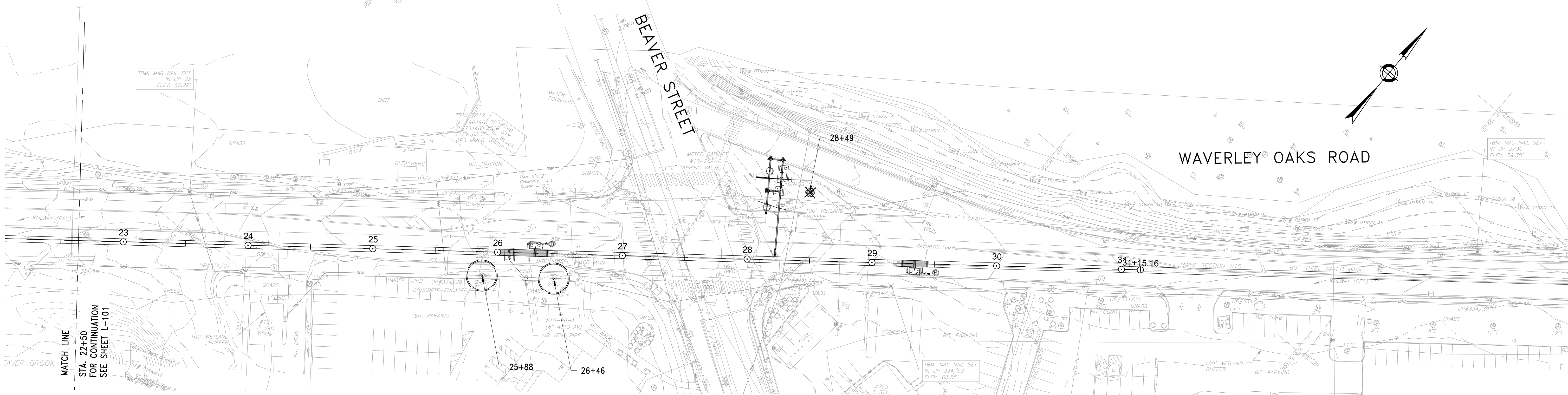
TREE REMOVAL AND PROTECTION PLAN STA
0+00 TO STA 22+50

DRAWING NO.

L-101

77 OF 83

FILE NAME: \\US0552-PFSS01\workgroup\1951\active\1951\01\85\CAD\2.2 Final Design\CPA\05 Civil\6543_L-101-L-102.dwg LAYOUT NAME: L-102 TREE REMOVAL AND PROTECTION PLAN STA 22+50 TO STA 31+00 PLOTTED: Friday, August 22, 2025 - 11:43am USER: tcarra



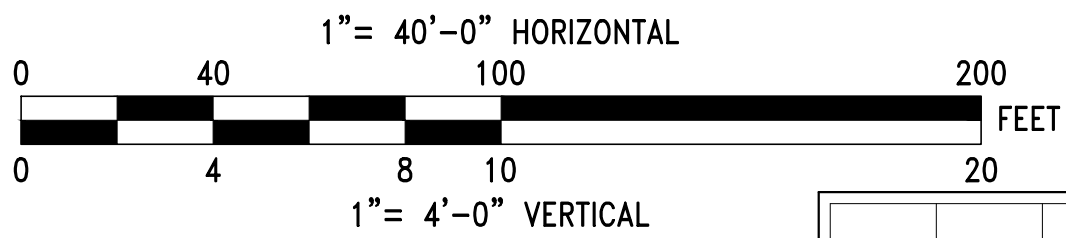
PLAN
SCALE: HORIZ 1"=40'

LOCATION NO. (ID)	TREE DIAMETER (IN)	TREE LATIN NAME	TREE COMMON NAME	ACTIVITY	HEALTH
25+88	24	Quercus velutina	Black Oak	Tree Protection Fence	Good
26+46	24	Quercus velutina	Black Oak	Tree Protection Fence	Good
28+49	11	Pyrus calleryana	Callery Pear	Remove for construction	Good

LEGEND

- XX+XX TREE LOCATION NO.(ID)
- EXISTING TREE TO BE REMOVED AND DISPOSED OF(INCL. COMPLETE STUMP REMOVAL WHEN MINIMUM DEPTH TO PIPE IS MET, SEE NOTES), REFER TO MASTER TREE REMOVAL AND PROTECTION SCHEDULE, A/L-501
- EXISTING TREE TO BE PROTECTED, REFER TO DETAILS C/L-501 AND D/L-501
- EXISTING TREE OUTSIDE OF WORK LIMITS/ NO WORK PROPOSED
- EXISTING TREE TO BE REMOVED AND RELOCATED BY THE CITY OF WALTHAM PRIOR TO THE START OF CONSTRUCTION

- TREE REMOVAL NOTES:
- WHERE PIPE DEPTH PERMITS, STUMPS AT REMOVED TREES SHALL BE GROUND TO 6" BELOW THE EXISTING SURFACE GRADE.
 - WHEN PIPE COVERAGE FROM SURFACE GRADE TO TOP OF PIPE IS LESS THAN 2', CUT STUMP TO 6" MAX. ABOVE SURFACE GRADE. STUMPS THAT REMAIN SHALL BE TREATED WITH A 25-35% SOLUTION OF GLYPHOSATE HERBICIDE. APPLY HERBICIDE DIRECTLY TO THE CUT SURFACE WITH A SPONGE, PAINTBRUSH, OR SPRAY BOTTLE AS SOON AS POSSIBLE AFTER CUTTING.
 - FOR TREE SPECIES WITHIN PROJECT LIMITS, MATURE ROOT SYSTEM DEPTHS AVERAGE 5-7' AND ARE NOT EXPECTED TO EXTEND BEYOND 7-9'. WHEN PIPE DEPTH IS GREATER THAN 10' THE POTENTIAL CONFLICT OF ROOTS WITH A PIPE ARE MINIMAL AND TREE REMOVAL IS NOT REQUIRED.
 - ALL 2" TREES ALONG WAVERLEY OAKS ROAD SHALL BE REMOVED AND RELOCATED OUTSIDE OF THE EASEMENT PRIOR TO THE BEGINNING OF CONSTRUCTION, BY THE CITY OF WALTHAM



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 6543	FILE NO. : 6543_L-101-L-102
ACCESSION NO. : ----	SECTION NO. : W10
DATE: AUGUST 2025	DESIGNED BY: GS
	DRAWN BY: IL
	CHECKED BY: CF
SCALE: AS NOTED	APPROVED BY: CF



MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY :



45 BLUE SKY DRIVE, 3RD FLOOR
BURLINGTON, MA 01803
www.stantec.com

WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

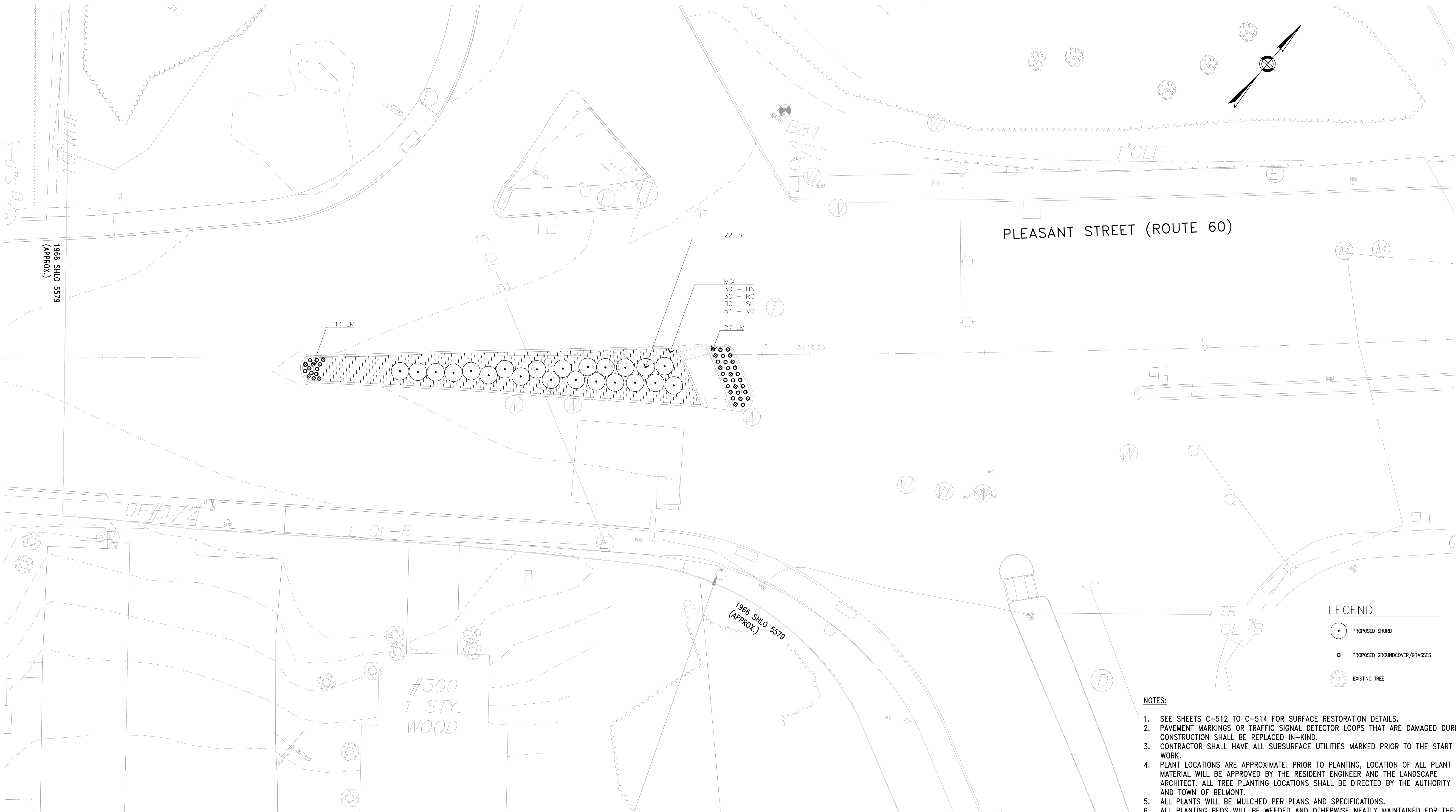
TREE REMOVAL AND PROTECTION PLAN STA
22+50 TO STA 31+00

DRAWING NO.

L-102

78 OF 83

FILE NAME: \\US0552-PFSS01\workgroup\1951\active\1951\01\85\CAD\2.2 Final Design\CPA\05 Civil\6543_L-103.dwg LAYOUT NAME: L-103 PLANTING RESTORATION PLAN STA METER 152 PLOTTED: Friday, August 22, 2025 - 11:48am USER: tcooma

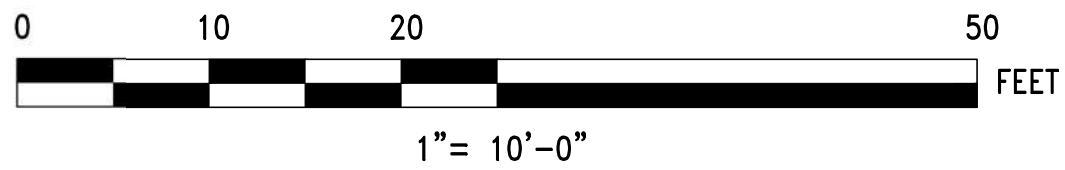


SHEET L-103 PROPOSED PLANTING LIST

TOTAL QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	NOTES/ SPACING
209		SHRUBS AND PERENNIALS			
30	HN	HEMEROCALLIS X 'DYNAMITE RETURNS'	PASSIONATE RETURNS HAPPY EVER APPSTER DAYLILY	#1 POT	24" O.C. STAGGERED
22	IS	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	#2 POT	48" O.C. STAGGERED
43	LM	LIRIOPE MUSCARI	LILYTURF	#1 POT	18" O.C. STAGGERED
30	RG	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'	GOLDSTURM CONEFLOWER	#2 POT	24" O.C. STAGGERED
30	SL	SALVIA LYRATA	LYRELEAF SAGE	#2 POT	24" O.C. STAGGERED
54	VC	VINCA MINOR	COMMON PERIWINKLE	#1 POT	18" O.C. STAGGERED

NO.	DATE	BY	CHK'D	REVISION

METER NO. 152 – PLANTING RESTORATION PLAN



SCALE: 1"=10'

NOTES:

- SEE SHEETS C-512 TO C-514 FOR SURFACE RESTORATION DETAILS.
- PAVEMENT MARKINGS OR TRAFFIC SIGNAL DETECTOR LOOPS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN-KIND.
- CONTRACTOR SHALL HAVE ALL SUBSURFACE UTILITIES MARKED PRIOR TO THE START OF WORK.
- PLANT LOCATIONS ARE APPROXIMATE. PRIOR TO PLANTING, LOCATION OF ALL PLANT MATERIAL WILL BE APPROVED BY THE RESIDENT ENGINEER AND THE LANDSCAPE ARCHITECT. ALL TREE PLANTING LOCATIONS SHALL BE DIRECTED BY THE AUTHORITY AND TOWN OF BELMONT.
- ALL PLANTS WILL BE MULCHED PER PLANS AND SPECIFICATIONS.
- ALL PLANTING BEDS WILL BE WEEDED AND OTHERWISE NEATLY MAINTAINED FOR THE DURATION OF THE CONTRACT.
- PLANTS AND PLANTING BEDS SHALL BE THOROUGHLY WATERED PER SPECIFICATIONS. PLANT SPECIES AS INDICATED IN THE PLANT LIST ARE SUGGESTIONS ONLY. FINAL SELECTION OF PLANT SPECIES SHALL OCCUR AT THE TIME OF PLANT PURCHASE, DEPENDING ON AVAILABILITY. PLANT SIZE AND QUANTITY SHALL NOT CHANGE WITHOUT APPROVAL OF THE AUTHORITY AND TOWN OF BELMONT.

LEGEND

- PROPOSED SHRUB
- PROPOSED GROUND COVER/GRASSES
- EXISTING TREE

CONTRACT NO. :	6543	FILE NO. :	6543_L-103
ACCESSION NO. :	----	SECTION NO. :	W10
DATE:	AUGUST 2025	DESIGNED BY:	GS
		DRAWN BY:	IL
		CHECKED BY:	CF
SCALE:	AS SHOWN	APPROVED BY:	CF



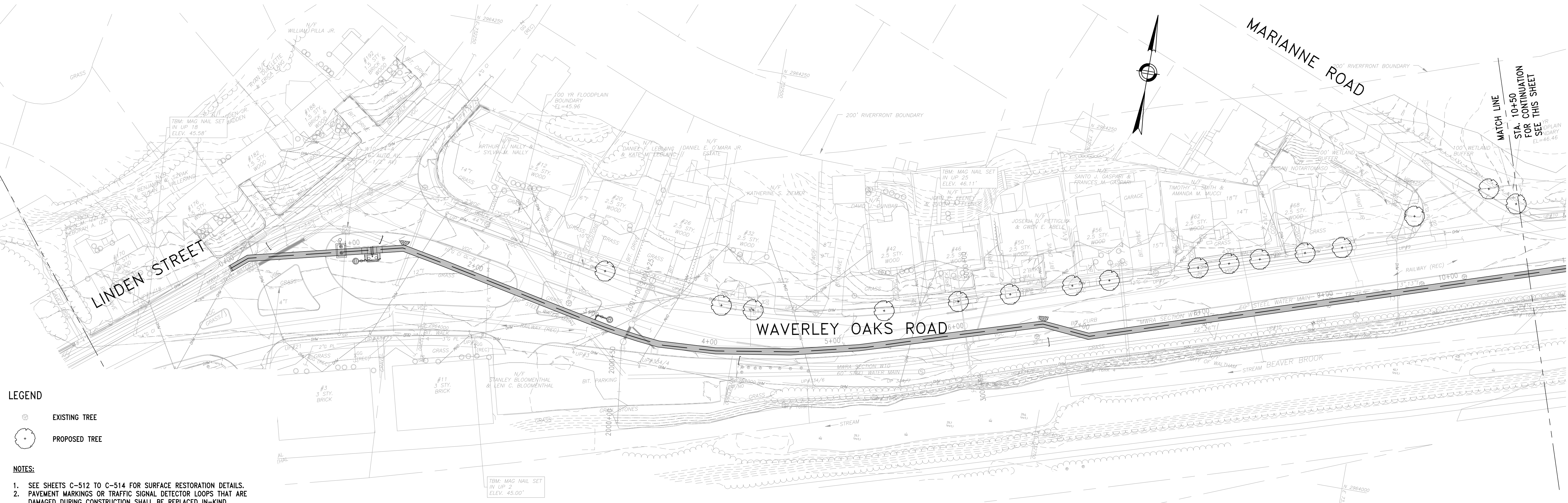
MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY :

45 BLUE SKY DRIVE, 3RD FLOOR
BURLINGTON, MA 01803
www.stantec.com

WESTON AQUEDUCT SUPPLY MAIN 3 REHABILITATION OF WATER MAINS SECTION W10	DRAWING NO. L-103
PLANTING RESTORATION PLAN STA METER 152	79 OF 83

FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\1951\05\85\CAD\2.2 Final Design\CPA\05 Civil\6543_L-104-L-105.dwg LAYOUT NAME: L-104 PLANTING RESTORATION PLAN STA 0+00 TO STA 22+50 PLOTTED: Friday, August 22, 2025 - 11:55am USER: tcorma



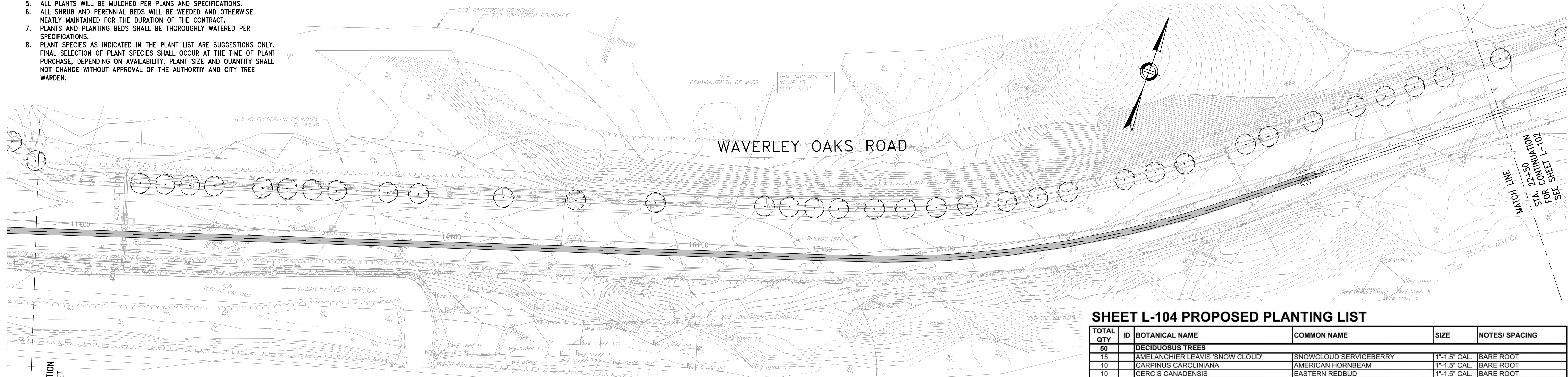
LEGEND

- EXISTING TREE
- PROPOSED TREE

NOTES:

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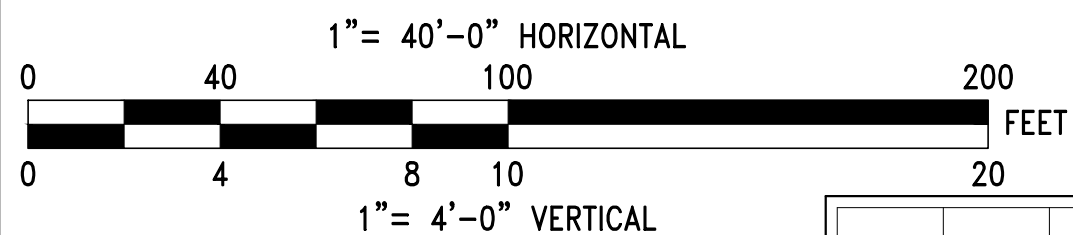
PLAN
SCALE: HORIZ 1"=40'



PLAN
SCALE: HORIZ 1"=40'

SHEET L-104 PROPOSED PLANTING LIST

TOTAL QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	NOTES/ SPACING
50		DECIDUOUS TREES			
15		AMELANCHIER LEAVIS 'SNOW CLOUD'	SNOWCLOUD SERVICEBERRY	1"-1.5" CAL.	BARE ROOT
10		CARPINUS CAROLINIANA	AMERICAN HORNBEAM	1"-1.5" CAL.	BARE ROOT
10		CERCIS CANADENSIS	EASTERN REDBUD	1"-1.5" CAL.	BARE ROOT
10		CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	1"-1.5" CAL.	BARE ROOT
5		PTELEA TRIFOLATA	COMMON HOPTREE	1"-1.5" CAL.	BARE ROOT
		SEED MIX			
			GENERAL LAWN MIX		ALL UPLAND DISTURBED AREAS
			NATIVE CONSERVATION SEED MIX		ALL DISTURBED RESOURCE AREAS



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 6543	FILE NO. : 6543_L-104-L-105
ACCESSION NO. : ----	SECTION NO. : W10
DATE: AUGUST 2025	DESIGNED BY: GS
SCALE: AS NOTED	DRAWN BY: IL
	CHECKED BY: CF
	APPROVED BY: CF



MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY :



45 BLUE SKY DRIVE, 3RD FLOOR
BURLINGTON, MA 01803
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WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

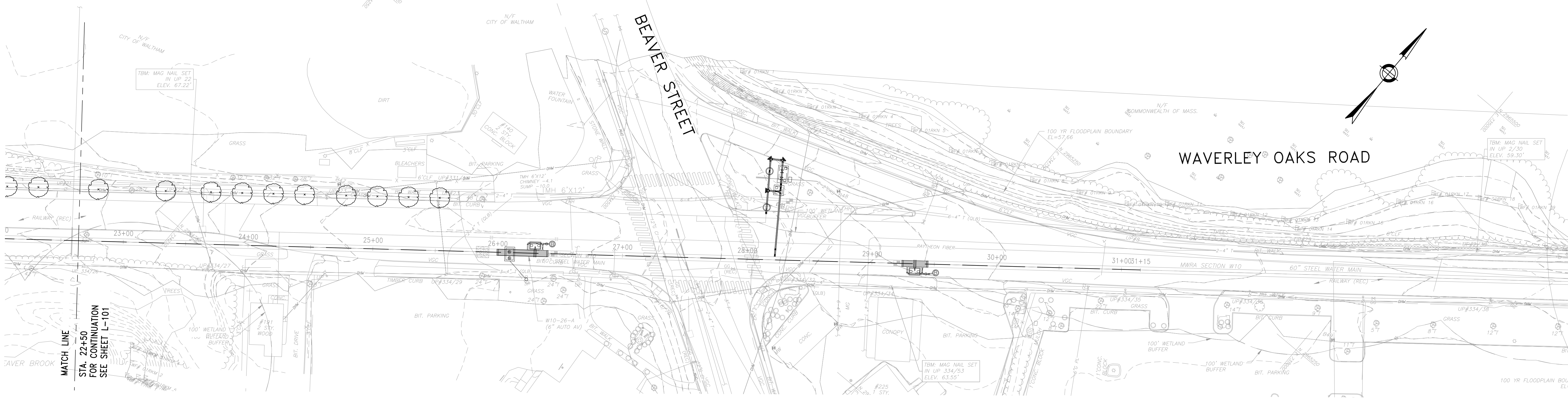
PLANTING RESTORATION PLAN STA 0+00 TO
STA 22+50

DRAWING NO.

L-104

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FILE NAME: \\US0552-PFSS01\workgroup\1951\active\1951\01\85\CAD\2.2 Final Design\CP2\05 Civil\6543_L-104-L-105.dwg LAYOUT NAME: L-105 PLANTING RESTORATION PLAN STA 22+50 TO STA 31+00 PLOTTED: Friday, August 22, 2025 - 1:15pm USER: tcasmo



PLAN
SCALE: HORIZ 1"=40'

LEGEND

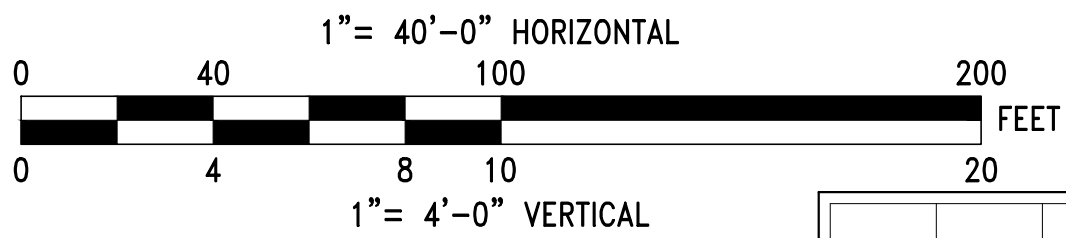
- EXISTING TREE
- PROPOSED TREE

NOTES:

- SEE SHEETS C-512 TO C-514 FOR SURFACE RESTORATION DETAILS.
- PAVEMENT MARKINGS OR TRAFFIC SIGNAL DETECTOR LOOPS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN-KIND.
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SHEET L-105 PROPOSED PLANTING LIST

TOTAL QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	NOTES/ SPACING
10		DECIDUOUS TREES			
5		CERCIS CANADENSIS	EASTERN REDBUD	1"-1.5" CAL.	BARE ROOT
5		PTELEA TRIFOLATA	COMMON HOPTREE	1"-1.5" CAL.	BARE ROOT
		SEED MIX			
			GENERAL LAWN MIX		ALL UPLAND DISTURBED AREAS
			NATIVE CONSERVATION SEED MIX		ALL DISTURBED RESOURCE AREAS



NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 6543	FILE NO. : 6543_L-104-L-105
ACCESSION NO. : ----	SECTION NO. : W10
DATE: AUGUST 2025	DESIGNED BY: GS
	DRAWN BY: IL
	CHECKED BY: CF
SCALE: AS NOTED	APPROVED BY: CF



MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY :



45 BLUE SKY DRIVE, 3RD FLOOR
BURLINGTON, MA 01803
www.stantec.com

WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

PLANTING RESTORATION PLAN STA 22+50 TO
STA 31+00

DRAWING NO.

L-105

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FILE NAME: \\US0552--PPSS01\WORKGROUP\1951\active\1951501B5\CAO\2.2 Final Design\CP2\05 Civil\6543_L-501.dwg LAYOUT NAME: L-501 LANDSCAPE DETAILS -- 1 PLOTTED: Friday, August 22, 2025 -- 11:57am USER: tcoono

Location No. (ID)	Tree Diameter (in)	Tree Latin Name	Tree Common Name	Activity	Tree Health	Approx. Depth to Pipe	Property Owner	Resource Area	Replication Required	Caliper Inches to be Replicated (1 cal. inch per 1 cal. inch removed)
00+43	4	Zelkova serrata	Japanese Zelkova	Trunk & Tree Protection Fence	Good	4'	City of Waltham	200' Riverfront, 100-yr Flood Plain	No	0
01+53	12	Acer platanoides	Norway Maple	Trunk & Tree Protection Fence	Good	4'	City of Waltham	200' Riverfront	No	0
02+80	5	Malus halliana	Hall Crabapple	Remove for construction	Good	4'	City of Waltham - Tree hearing required	200' Riverfront, 100-yr Flood Plain	Yes	5
04+56	18	Quercus rubra	Northern Red Oak	Trunk & Tree Protection Fence	Good	4'	City of Waltham	100' Buffer, 200' Riverfront, 100-yr Flood Plain	No	0
06+61	36	Quercus palustris	Pin Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	36
07+98	22, 26	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	48
08+05	13	N/A	N/A	Remove stump for construction	Stump	3'	City of Waltham	100' Buffer, 200' Riverfront, 100-yr Flood Plain	No	0
09+01	18	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	18
09+24	14, 15	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	29
09+55	13	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	13
09+66	13, 13	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	26
09+78	8	Quercus rubra	Northern Red Oak	Remove for construction	Poor	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	8
10+12	36	Quercus alba	White Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	36
11+27	24	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	24
11+44	12	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	12
11+57	36	Quercus rubra	Northern Red Oak	Remove for construction	Poor	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	36
11+78	20	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	20
12+08	12	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	12
12+15	12	N/A	N/A	Remove stump for construction	Stump	3'	City of Waltham	100' Buffer, 200' Riverfront, 100-yr Flood Plain	No	0
12+25	18, 18	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	36
12+34	10	Quercus rubra	Northern Red Oak	Remove for construction	Poor	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	10
13+13	10	N/A	N/A	Remove stump for construction	Stump	3'	City of Waltham	100' Buffer, 200' Riverfront, 100-yr Flood Plain	No	0
13+59	22	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	22
13+64	19	Quercus rubra	Northern Red Oak	Remove for construction	Good	3'	City of Waltham - Tree hearing required	100' Buffer, 200' Riverfront, 100-yr Flood Plain	Yes	19
14+69	2	Quercus rubra	Northern Red Oak	Remove & Relocate by Others	Good	3'	City of Waltham	100' Buffer, 200' Riverfront	No	0
15+43	2	Quercus alba	White Oak	Remove & Relocate by Others	Poor	3'	City of Waltham	100' Buffer, 200' Riverfront	No	0
16+07	2	N/A	N/A	Remove stump for construction	Stump	3'	City of Waltham	100' Buffer	No	0
16+86	2	Quercus rubra	Northern Red Oak	Remove & Relocate by Others	Good	4'	City of Waltham	100' Buffer	No	0
17+80	36	Quercus rubra	Northern Red Oak	Remove for construction	Poor	4'	City of Waltham - Tree hearing required	none	Yes	36
19+04	2	Quercus alba	White Oak	Remove & Relocate by Others	Good	4'	City of Waltham	none	No	0
19+78	2	Quercus rubra	Northern Red Oak	Remove & Relocate by Others	Good	4'	City of Waltham	none	No	0
20+54	2	Quercus alba	White Oak	Remove & Relocate by Others	Good	3'	City of Waltham	none	No	0
21+31	30	Quercus palustris	Pin Oak	Trunk & Tree Protection Fence	Good	4'	City of Waltham	100' Buffer	No	0
25+88	24	Quercus velutina	Black Oak	Tree Protection Fence	Good	3'	City of Waltham	none	No	0
26+46	24	Quercus velutina	Black Oak	Tree Protection Fence	Good	3'	City of Waltham	none	No	0
28+49	11	Pyrus calleryana	Callery Pear	Remove for construction	Good	5'	City of Waltham - Tree hearing required	100' Buffer	Yes	11

Tree Removal Notes:

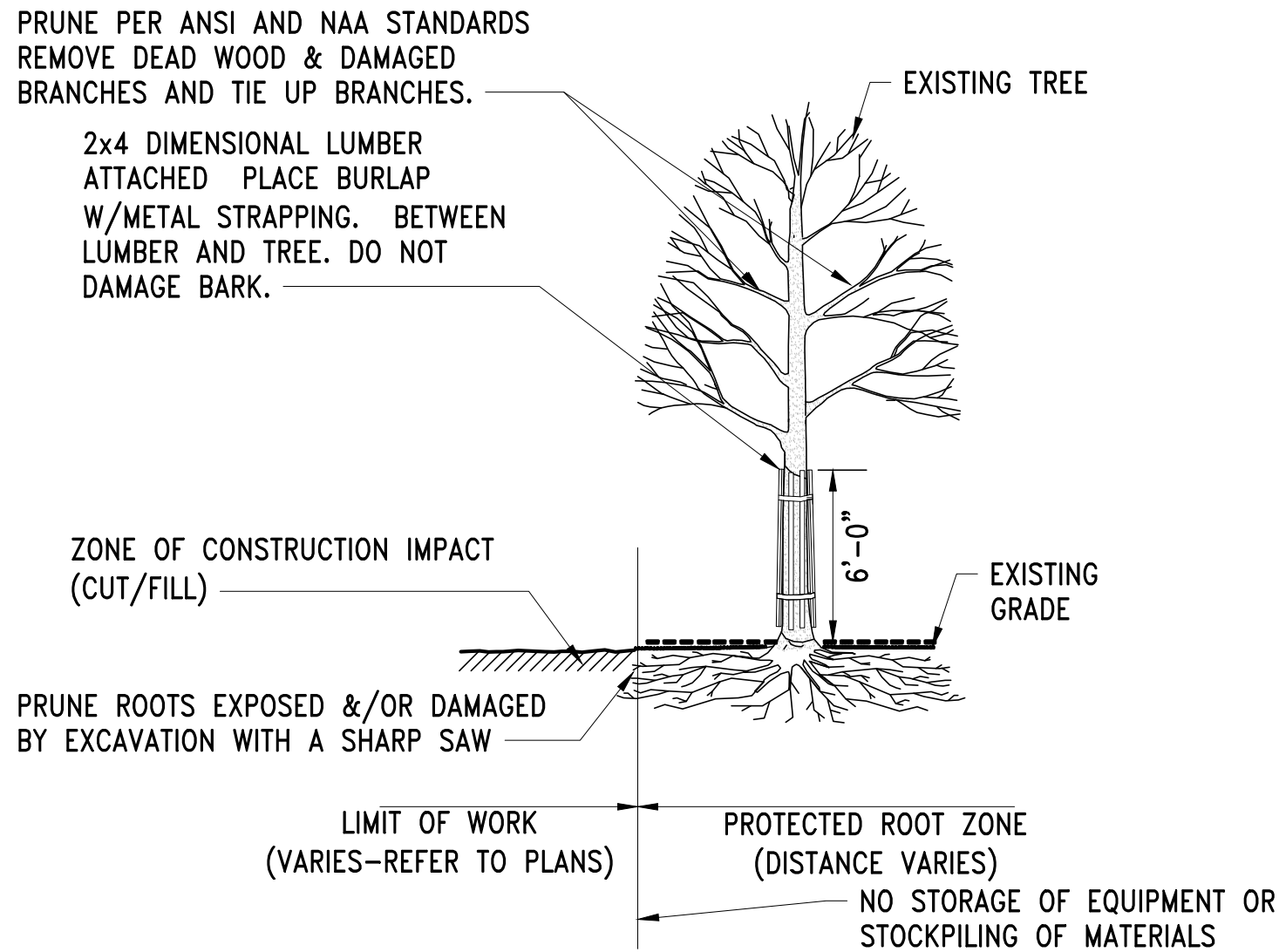
1. Where pipe depth permits, stumps at removed trees shall be ground to 6" below the existing surface grade.
2. When pipe coverage from surface grade to top of pipe is less than 2', cut stump to 6" max. above surface grade. Stumps that remain shall be treated with a 25-35% solution of Glyphosate herbicide. Apply herbicide directly to the cut surface with a sponge, paintbrush, or spray bottle as soon as possible after cutting.
3. For tree species within project limits, mature root system depths average 5-7' and are not expected to extend beyond 7-9'. When pipe depth is greater than 10' the potential conflict of roots with a pipe are minimal and tree removal is not required.
4. All 2" trees along waverley oaks road shall be removed and relocated outside of the easement prior to the beginning of construction, by others.

TOTAL NUMBER OF TREES TO BE REMOVED AND RELOCATED 6

TOTAL NUMBER OF CALIPER INCHES TO BE REMOVED 457
TOTAL NUMBER OF CALIPER INCHES TO BE REPLICATED 457
(1 cal. inch per 1 cal. inch removed)

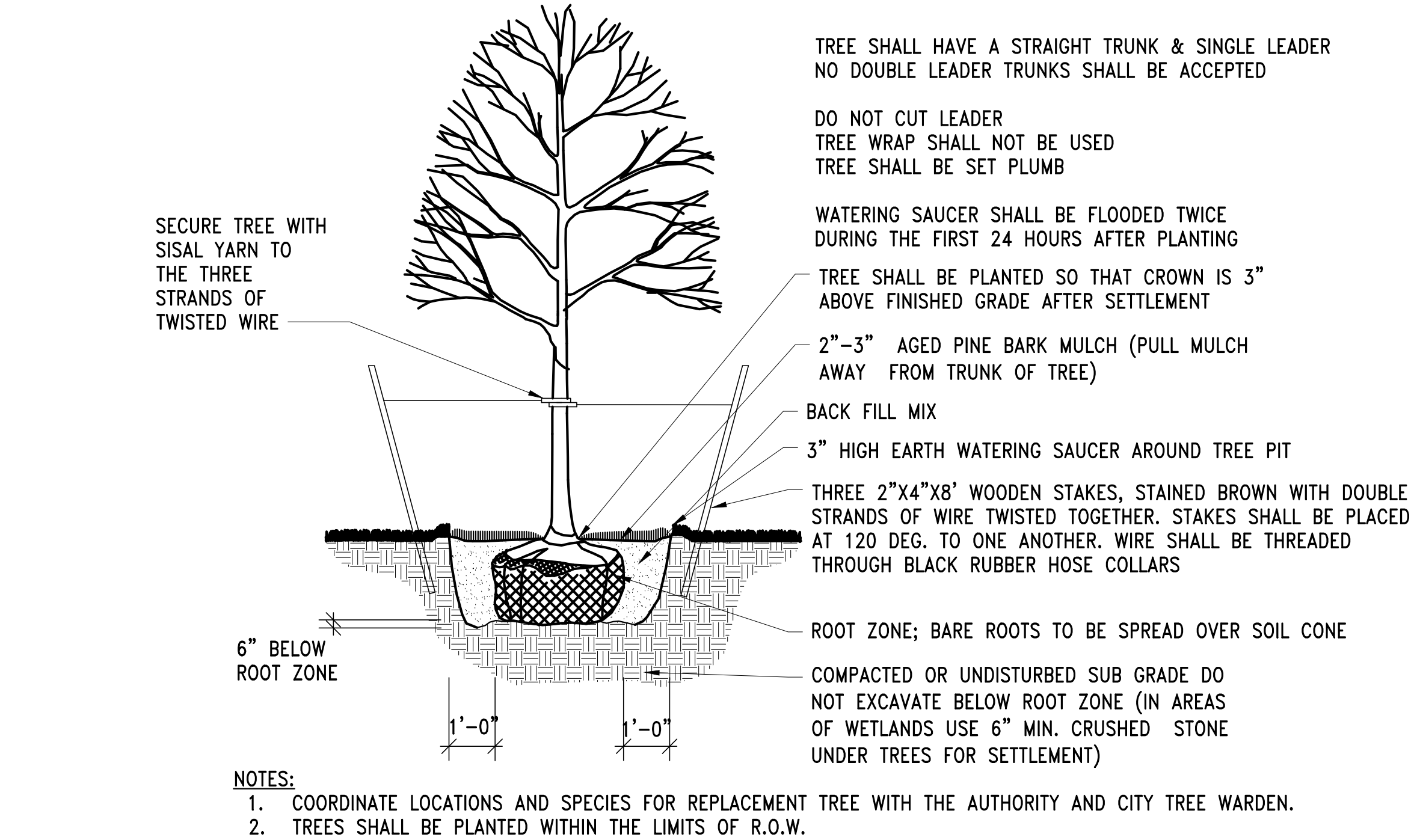
MASTER TREE REMOVAL AND PROTECTION SCHEDULE

SCALE: N/A



TREE TRUNK PROTECTION DETAIL

SCALE: NTS

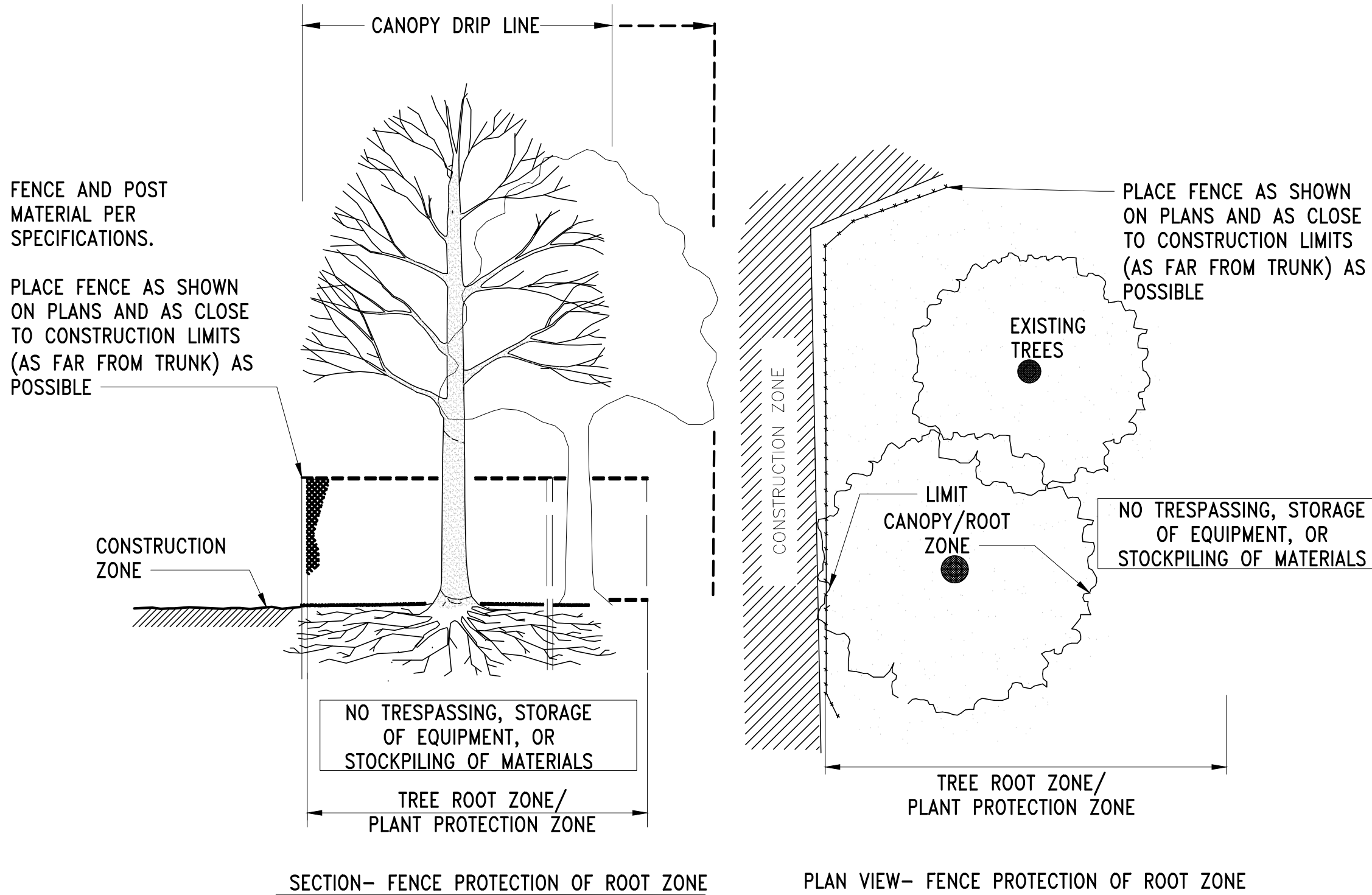


NOTES:

1. COORDINATE LOCATIONS AND SPECIES FOR REPLACEMENT TREE WITH THE AUTHORITY AND CITY TREE WARDEN.
2. TREES SHALL BE PLANTED WITHIN THE LIMITS OF R.O.W.

TREE PLANTING

SCALE: NTS



TREE PROTECTION FENCE DETAIL

SCALE: NTS

NO.	DATE	BY	CHK'D	REVISION

CONTRACT NO. : 6543	FILE NO. : 6543_L-501
ACCESSION NO. : ----	SECTION NO. : W10
DATE: AUGUST 2025	DESIGNED BY: GS
	DRAWN BY: IL
	CHECKED BY: CF
SCALE: AS NOTED	APPROVED BY: CF



MASSACHUSETTS WATER RESOURCES AUTHORITY

PREPARED BY :



45 BLUE SKY DRIVE, 3RD FLOOR
BURLINGTON, MA 01803
www.stantec.com

WESTON AQUEDUCT SUPPLY MAIN 3
REHABILITATION OF WATER MAINS
SECTION W10

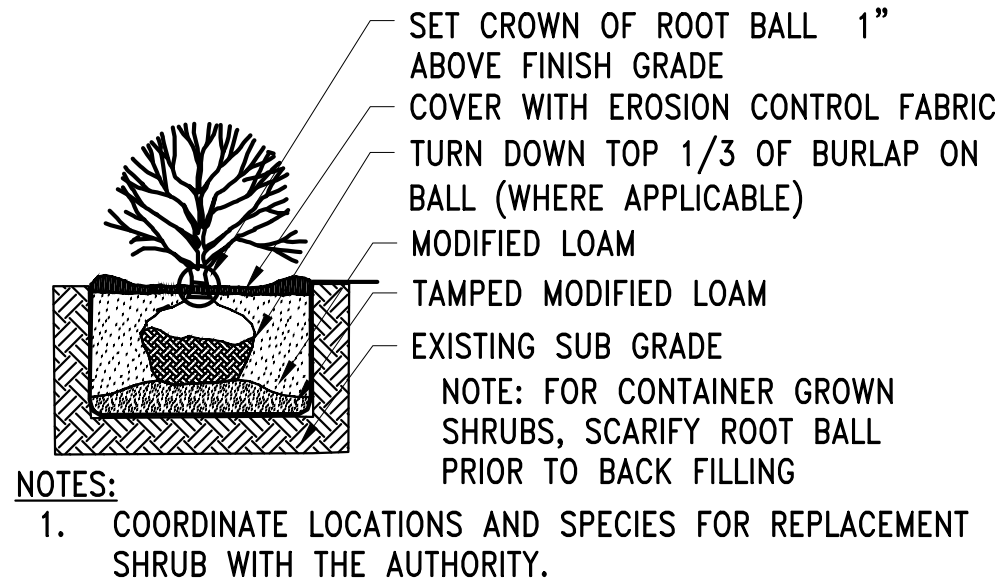
LANDSCAPE DETAILS -- 1

DRAWING NO.

L-501

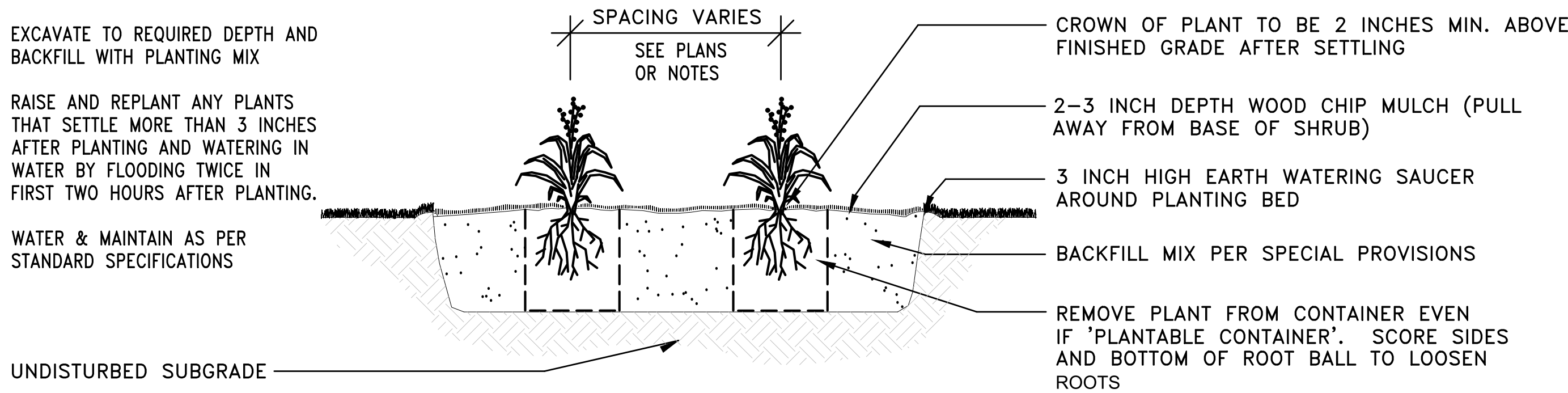
82 OF 83

FILE NAME: \\US0552-PPFSS01\workgroup\1951\active\19510185\CAD\2.2 Final Design\CPA\05 Civil\6543_L-501.dwg LAYOUT NAME: L-502 LANDSCAPE DETAILS - 2 PLOTTED: Friday, August 22, 2025 - 11:57am USER: tcama



SHRUB PLANTING
SCALE: NTS

E



GROUNDCOVER/GRASSES PLANTING
SCALE: NTS

F

PROPOSED PLANTING LIST					L-103	L-104	L-105	WARD 3-1 *
TOTAL QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	NOTES/ SPACING			
305		DECIDUOUS TREES						
14		AESCULUS X CARNEA	RED HORSECHESTNUT	1"-1.5" CAL.	BARE ROOT			14
30		AMELANCHIER LEAVIS 'SNOW CLOUD'	SNOWCLOUD SERVICEBERRY	1"-1.5" CAL.	BARE ROOT		15	15
10		CARPINUS CAROLINIANA	AMERICAN HORNBEAM	1"-1.5" CAL.	BARE ROOT		10	
15		CERCIS CANADENSIS	EASTERN REDBUD	1"-1.5" CAL.	BARE ROOT		10	5
25		CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	1"-1.5" CAL.	BARE ROOT		10	15
14		GYMNOCLADUS DIOECIOUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEE TREE	1"-1.5" CAL.	BARE ROOT			14
14		LIRODENDRON TULIPFERA	TULIP TREE	1"-1.5" CAL.	BARE ROOT			14
14		MAAKIA AMURENSIS	AMUR MAAKIA	1"-1.5" CAL.	BARE ROOT			14
14		NYSSA SYLVATICA	BLACK TUPELO	1"-1.5" CAL.	BARE ROOT			14
15		PARROTIA PERSICA	PERSIAN IRONWOOD	1"-1.5" CAL.	BARE ROOT			15
14		PLATANUS X ACERIFOLIA	LONDON PLANETREE	1"-1.5" CAL.	BARE ROOT			14
10		PTELEA TRIFOLATA	COMMON HOPTREE	1"-1.5" CAL.	BARE ROOT		5	5
14		QUERCUS COCCINEA	SCARLET OAK	1"-1.5" CAL.	BARE ROOT			14
15		QUERCUS PALUSTRIS	PIN OAK	1"-1.5" CAL.	BARE ROOT			15
14		QUERCUS RUBRA	RED OAK	1"-1.5" CAL.	BARE ROOT			14
15		SYRINGA RETICULATA	JAPANESE LILAC TREE	1"-1.5" CAL.	BARE ROOT			15
14		TILLIA CORDATA 'HALKA'	SUMMER SPRITE LINDEN	1"-1.5" CAL.	BARE ROOT			14
14		ULMUS AMERICANA 'NEW HARMONY'	NEW HARMONY ELM	1"-1.5" CAL.	BARE ROOT			14
30		ZELKOVA SERRATA	ZELKOVA	1"-1.5" CAL.	BARE ROOT			30
209		SHRUBS AND PERENNIALS						
30	HN	HEMEROCALLIS X 'DYNAMITE RETURNS'	PASSIONATE RETURNS HAPPY EVER APP	#1 POT	24" O.C. STAGGERED	30		
22	IS	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	#2 POT	48" O.C. STAGGERED	22		
43	LM	LIROPE MUSCARI	LILYTURF	#1 POT	18" O.C. STAGGERED	43		
30	RG	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'	GOLDSTURM CONEFLOWER	#2 POT	24" O.C. STAGGERED	30		
30	SL	SALVIA LYRATA	LYRELEAF SAGE	#2 POT	24" O.C. STAGGERED	30		
54	VC	VINCA MINOR	COMMON PERIWINKLE	#1 POT	18" O.C. STAGGERED	54		
		SEED MIX						
			GENERAL LAWN MIX		ALL UPLAND DISTURBED AREAS			
			NATIVE CONSERVATION SEED MIX		ALL DISTURBED RESOURCE AREAS			

* TREES TO BE LOCATED WITHIN WARD 3-1 UNDER THE DIRECTION OF THE WALTHAM TREE WARDEN

MASTER PLANTING SCHEDULE
SCALE: N/A

G

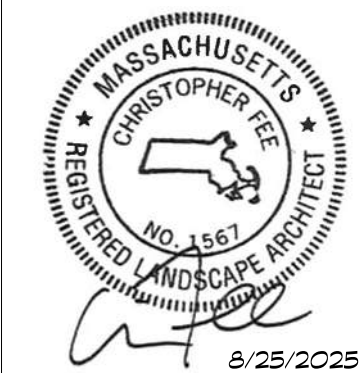


PROPOSED TREE LOCATIONS KEY PLAN
SCALE: 1"=1,600'

H

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LANDSCAPE DETAILS - 2

DRAWING NO.

L-502

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