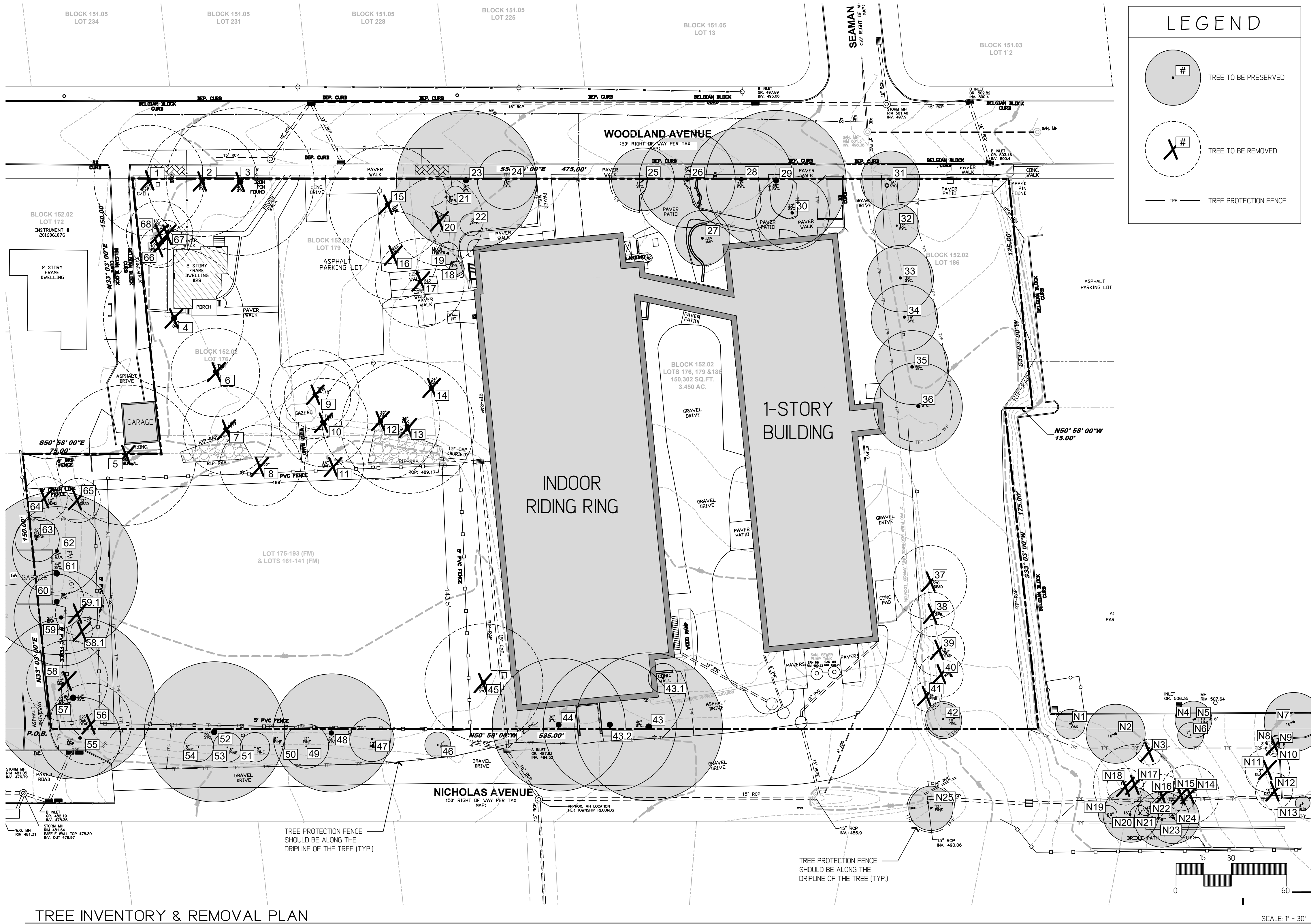




TREE INVENTORY & REMOVAL PLAN

MONTCLAIR STABLES

Non-viable trees to be replaced on a 1:1 basis

TREE NUMBER	DBH	SPECIES	ADDITIONAL NOTES
1	30"	Sycamore	Poor condition.
3	40"	Sycamore	Poor condition. Central leader is dead.
6	24" x 24"	Scarlet Oak	Serious trunk decay. Hazardous. V-crotch.
7	24" x 24"	Scarlet Oak	Serious trunk decay. Hazardous. V-crotch.
10	48"	Scarlet Oak	Basal cavity. Decayed v-crotch. Hazardous.
13	36"	Scarlet Oak	Basal decay. Fungal fruiting bodies. Hollow.
37	20"	Sycamore	Dead. Hazardous.
39	16"	White Pine	Dead. Hazardous.
56	22"	Pin Oak	Dead. Hazardous.
58	22"	Red Maple	Poor condition. Hollow trunk.
64	12"	Ash	Emerald Ash Borer.
65	12"	Ash	Emerald Ash Borer.
58.1	6"	Wild Cherry	Leaning. Dead.
59.1	12"	Elm	Excessive lean. Hazardous.
N11	12"	Ash	Emerald Ash Borer.
N12	10"	Ash	Emerald Ash Borer.

Assessment by John D. Linson
N.J. Licensed Tree Expert #198
I.S.A. Certified Arborist NJ-0806A
N.J.D.E.P. Approved Forester
12/18/2024

TREE REMOVAL AND SPECIMEN TREE REPLACEMENT - OFFSITE NICHOLAS AVENUE RIGHT-OF-WAY						
TREE NUMBER (AS SEEN ON PLAN)	DBH (IN.)	TREE SPECIES	TO BE REMOVED	TO BE PRESERVED	NUMBER OF REQ. REPLACEMENT TREES (2.5")	ADDITIONAL NOTES
46	7	White Pine		•		
47	12	White Pine		•		
48	32	Sycamore		•		
49	12	White Pine		•		
50	8	White Pine		•		
51	8	White Pine		•		
52	38	Sycamore		•		
53	8	White Pine		•		
54	8	White Pine		•		
55	22	Maple		•		
N1	8	Oak		•		
N2	16			•		
N3	7	Elm	•		4	
N4	10	Oak		•		

TREE NUMBER (AS SEEN ON PLAN)	DBH (IN.)	TREE SPECIES	TO BE REMOVED	TO BE PRESERVED	NUMBER OF REQ. REPLACEMENT TREES (2.5")	ADDITIONAL NOTES
N5	8			•		
N6	7			•		
N7	16			•		
N8	7	Clump Elm	•		4	
N9	6	Clump Elm	•		1	
N10	7	Clump Elm	•		4	
N11	12	Ash	•		1	NON-VIABLE
N12	10	Ash	•		1	NON-VIABLE
N13	4	Juniper		•		
N14	16		•		4	
N15	7		•		4	
N16	12		•		4	
N17	22	Cottonwood	•		6	
N18	10	Elm	•		4	

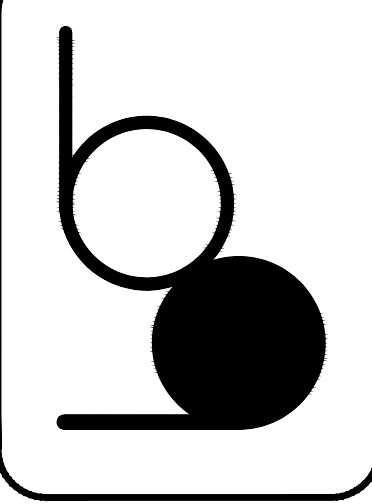
TREE REMOVAL AND SPECIMEN TREE REPLACEMENT						
TREE NUMBER (AS SEEN ON PLAN)	DBH (IN.)	TREE SPECIES	TO BE REMOVED	TO BE PRESERVED	NUMBER OF REQ. REPLACEMENT TREES (2.5")	ADDITIONAL NOTES
1	30	Sycamore	•		1	NON-VIABLE
2	30	Sycamore	•		8	FAIR
3	40	Sycamore	•		1	NON-VIABLE
4	38	White Oak	•		10	GOOD/HOLLOW
5	38	Black Walnut	•		10	GOOD
6	48	Twin Scarlet Oak	•		1	NON-VIABLE
7	48	Twin Scarlet Oak	•		1	NON-VIABLE
8	22	Red Maple	•		6	GOOD
9	24	Twin Scarlet Oak	•		6	GOOD
10	48	Twin Scarlet Oak	•		1	NON-VIABLE
11	16	Red Maple	•		6	FAIR/LOPSIDED
12	32	Scarlet Oak	•		8	GOOD
13	36	Scarlet Oak	•		1	NON-VIABLE
14	34	White Oak	•		10	GOOD
15	32	Scarlet Oak	•		8	GOOD
16	24	White Oak	•		8	GOOD
17	24	White Oak	•		8	GOOD
18	4	Spruce		•		POOR
19	-	Multi-Header Jap. Maple		•		GOOD
20	24	Red Maple	•		8	GOOD
21	5	Spruce		•		
22	6	Spruce		•		
23	38	Sycamore		•		
24	16	Sycamore		•		
25	17	Sycamore		•		
26	26	Sycamore		•		
27	-	Japanese Maple		•		
28	28	Sycamore		•		
29	38	Sycamore		•		
30	20	Sycamore		•		
31	16	Sycamore		•		
32	12	Sycamore		•		
33	18	Sycamore		•		
34	18	Sycamore		•		
35	20	Sycamore		•		
36	24	Sycamore		•		
37	20	Sycamore		•		
38	12	Spruce	•		4	POOR
39	14	White Pine	•		1	NON-VIABLE
40	12	Spruce	•		4	POOR
41	8	White Pine	•		4	POOR
42	10	White Pine		•		GOOD
43	40	Sycamore		•		
43.1	8	Cherry		•		GOOD
43.2	36	Sycamore		•		GOOD
44	36	Sycamore		•		
45	32	Sycamore	•		8	GOOD
56	22	Pin Oak	•		1	NON-VIABLE
57	44	Sycamore		•		
58	22	Red Maple	•		1	NON-VIABLE
58.1	6	Wild Cherry	•		1	NON-VIABLE
59	26	Maple		•		
59.1	12	Elm	•		1	NON-VIABLE
60	38	Sycamore		•		
61	44	Sycamore		•		
62	24	Maple		•		
63	12	Ch. Birch		•		
64	12	Ash	•		1	NON-VIABLE
65	12	Ash	•		1	NON-VIABLE
66	10	Yew	•		4	FAIR
67	8	Yew	•		4	FAIR
68	18	Black Cherry	•		6	FAIR
TOTAL TO BE REMOVED ON SITE			33			
TOTAL TO BE PRESERVED ON SITE				29		
TOTAL REPLACEMENT TREES REQUIRED					144	
TOTAL REPLACEMENT TREES PROPOSED					144	

IN ACCORDANCE WITH THE TREE REPLACEMENT TABLE FOR THE TOWNSHIP OF WEST ORANGE, FOUND ON THE "APPLICATION FOR A TREE REMOVAL, EXEMPTION AND REPLACEMENT PERMIT". EACH TREE SHALL BE 2.5" NATIVE NONPESTICIDE/HERBICIDE TREATED TREE WITH A MINIMUM OF 6-FEET TALL. NON-VIABLE TREES TO BE REPLACED ON A 1:1 BASIS.

THERE ARE 62 TREES ON SITE. THE TOTAL NUMBER OF TREES TO BE REMOVED IS 33, 14 OF WHICH ARE NON-VIABLE. 19 OF 48 VIABLE TREES ARE BEING REMOVED, WHICH IS 40% OF THE VIABLE CANOPY ON SITE. THE TOTAL NUMBER OF REQUIRED REPLACEMENT TREES IS 144. SEE ORD. NO. 2846-24 "LAND USE REGULATIONS AMENDMENT; ENVIRONMENTAL PROTECTION TREES," ADOPTED 2024-6-10.

TREE NUMBER (AS SEEN ON PLAN)	DBH (IN.)	TREE SPECIES	TO BE REMOVED	TO BE PRESERVED	NUMBER OF REQ. REPLACEMENT TREES (2.5")	ADDITIONAL NOTES
N19	5			•		
N20	15			•		
N21	5			•		
N22	4			•		
N23	15			•		
N24	14			•		
N25	12	Pine		•		
TOTAL TO BE REMOVED			11			
TOTAL TO BE PRESERVED				24		
TOTAL REPLACEMENT TREES REQUIRED					37	
TOTAL REPLACEMENT TREES PROPOSED					0	

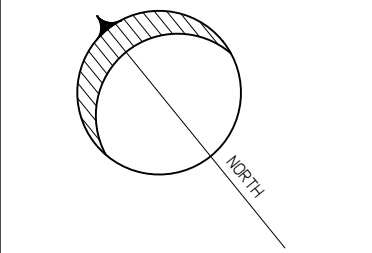
THERE ARE 35 TREES ON THE NICHOLAS AVENUE RIGHT-OF-WAY. THE TOTAL NUMBER OF TREES TO BE REMOVED IS 11. THE TOTAL NUMBER OF REQUIRED REPLACEMENT TREES IS 37.



WARNING
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SOURCE INFORMATION:
CLINNINGHAM ENGINEERING & DESIGN, LLC
215 NEWTON SQUARE ROAD
NEWTON, NJ 07850
973-267-7546

MONTCLAIR STABLES WEST ORANGE, NJ



TREE REMOVAL & INVENTORY PLAN

PREPARED FOR:
MONTCLAIR STABLES
BLOCK 152.02 & LOTS 176, 179, 186
12-22 WOODLAND AVENUE
WEST ORANGE, NJ

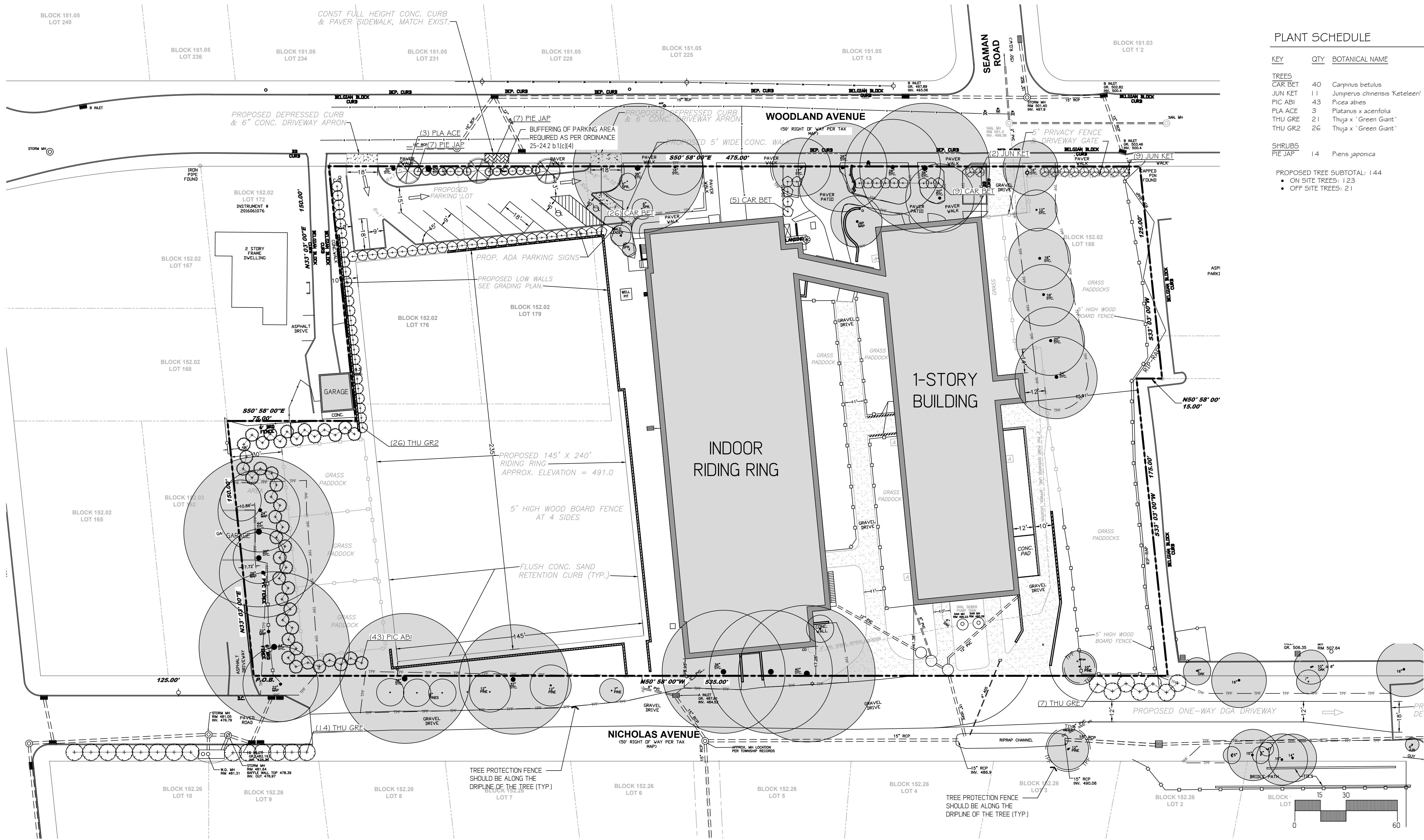
PREPARED BY:
BOSENBERG

LANDSCAPE ARCHITECTURE
PO BOX 486
FAR HILLS, NJ 07931
(908)234-0557

DATE: DECEMBER 27, 2024
SCALE: 1" = 30'
REVISIONS:

NJ Certificate of Authorization
MH000126
JOHN A. OLIVO
NEW JERSEY LICENSED
LANDSCAPE ARCHITECT
#AS000938

SHEET
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PLANT SCHEDULE

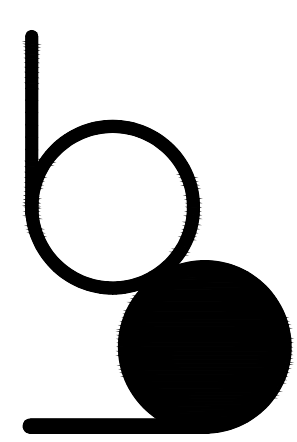
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
TREES					
CAR BET	40	Carpinus betulus	European Hornbeam	2.5" CAL.	B4B
JUN KET	11	Juniperus chinensis 'Keteleeri'	Keteleeri Chinese Juniper	8'-10'	B4B
PIC ABI	43	Picea abies	Norway Spruce	8'-10'	B4B
PLA ACE	3	Platanus x acerifolia	London Plane Tree	3"-3.5" cal.	B4B
THU GRE	21	Thuja x 'Green Giant'	Green Giant Arborvitae	6'-8'	B4B
THU GR2	26	Thuja x 'Green Giant'	Green Giant Arborvitae	6'-8'	B4B

SHRUBS
PIE JAP 14 Plenis japonica Andromeda 30"-36" B4B

- PROPOSED TREE SUBTOTAL: 144
• ON SITE TREES: 123
• OFF SITE TREES: 21

TREE REPLACEMENT PLAN

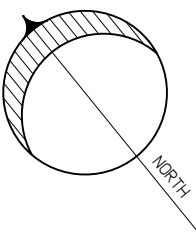
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215 NEWTON SWARTSWOOD ROAD
NEWTON, NJ 07860
973-267-7546

MONTCLAIR STABLES
WEST ORANGE, NJ



TREE REPLACEMENT PLAN

PREPARED FOR:
MONTCLAIR STABLES
BLOCK 152.02 & LOTS 176, 179, 186
12-22 WOODLAND AVENUE
WEST ORANGE, NJ
PREPARED BY:
BOSENBERG
LANDSCAPE ARCHITECTURE
PO BOX 486
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NEW JERSEY LICENSED
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#AS000938

SHEET
L-101.00

10 SELECTION AND HANDLING OF PLANT MATERIAL

- CONTRACTOR TO VERIFY PLANT LIST(S), PLANT SPECIES AND QUANTITIES COORDINATE WITH PLANTING PLAN(S)
- CONTRACTOR TO SUPPLY NURSERY SOURCE FOR ALL PLANT MATERIAL. PLANTS SHALL BE SOURCED FROM THE SAME GEOLOGICAL REGION
- PLANTS WITH UNDERSIZED OR BROKEN ROOT BALLS, EXCESSIVE CURLING AND/OR GRINDING OF ROOTS, INJURY FROM ROUGH TREATMENT, OR DROUGHT STRESS WILL BE REJECTED
- PLEASE NOTE: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO GUARANTEE THAT THE ROOT BALLS ARE PROPERLY SIZED. PLEASE BE AWARE THAT FOR PROPER SIZING, EXCESS ALIEN SOIL SHALL BE REMOVED PRIOR TO DIGGING. SEE DIAGRAM 12
- ROOT BALLS SHALL BE KEPT MOIST AT ALL TIMES
- PLANTS SHALL BE COVERED DURING TRANSPORT TO PREVENT DESICCATION FROM WIND. IN WARM WEATHER PLANTS SHALL BE COVERED JUST PRIOR TO TRAVEL, AND UNCOVERED IMMEDIATELY UPON REACHING DESTINATION TO AVOID HEAT BUILD UP UNDER THE TARP. PLANT MATERIAL SHALL NOT BE LEFT IN DIRECT SUNLIGHT OR ON HIGH HEAT ABSORPTION MATERIALS, SUCH AS BUT NOT LIMITED TO, ASPHALT AND OR METAL TRUCK BEDS TO PREVENT THE WILTING OF MATERIAL.
- TREES SHALL BE MOVED BY THEIR ROOT BALL, NOT THEIR TRUNK. TREES LARGER THAN 6" SHALL BE MOVED WITH PROPER STRAPPING SECURING ROOT BALL TO EQUIPMENT. WEAVE STRAPPING THROUGH THE LACING, NOT AROUND THE TRUNK. TREE TRUNK SHALL BE PROTECTED AT ALL TIME FROM COMPRESSION AND SEARING
- IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN
 - PLACE IN PARTIAL SHADE WHEN POSSIBLE
 - COVER ROOT BALL WITH MOISTENED MULCH OR AGED WOOD CHIPS
 - SUPPLY PROPER IRRIGATION AS NOT TO ALLOW THE ROOT BALL TO DRY OUT
 - WATER PLANT MATERIAL AND ALLOW PROPER SPACING OF PLANTS FOR AIR CIRCULATION TO PREVENT DISEASE, WILTING, LEAF LOSS AND GENERAL HEALTH OF PLANTS

11 STANDARD ROOT BALL SIZES FOR NURSERY -GROWN SHADE TREES

DECIDUOUS TREES				
CALIPER* (IN)	HEIGHT RANGE	MAX HEIGHT	MIN BALL DIA. (IN)	MIN BALL DEPTH (IN)
3/4"	5'-8'	8'	18"	9"
1"	8'-9'	10'	14"	10 1/2"
1 1/4"	8'-10'	11'	16"	12"
1 1/2"	10'-12'	12'	18"	13 1/2"
1 3/4"	10'-12'	14'	20"	13 1/2"
2"	12'-14'	16'	24"	14 1/2"
2 1/2"	12'-14'	16'	28"	16 1/2"
3"	14'-16'	18'	32"	19 1/2"
3 1/2"	14'-16'	18'	38"	23"
4"	16'-18'	22'	42"	25"
5"	18'-20'	26'	54"	32 1/2"

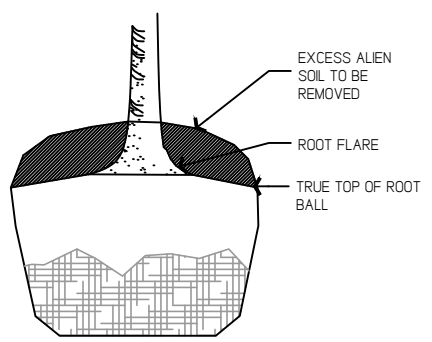
MULTI-STEM TREES		
HEIGHT	MIN BALL DIA. (IN)	MIN BALL DEPTH (IN)
4'	18"	10 1/2"
5'	18"	12"
6'	18"	13 1/2"
7'	20"	13 1/2"
8'	22"	14 1/2"
10'	24"	16"
12'	26"	18 1/2"
14'	32"	21 1/2"
16'	38"	25 1/2"
18'	42"	28"
20'	48"	32"

CONIFEROUS TREES		
HEIGHT	MIN BALL DIA. (IN)	MIN BALL DEPTH (IN)
4'	18"	12"
5'	20"	13 1/2"
6'	22"	14 1/2"
7'	24"	16"
8'	27"	18 1/2"
10'	34"	21 1/2"
12'	38"	25 1/2"
14'	42"	28"
16'	46"	32"
18'	50"	33 1/2"

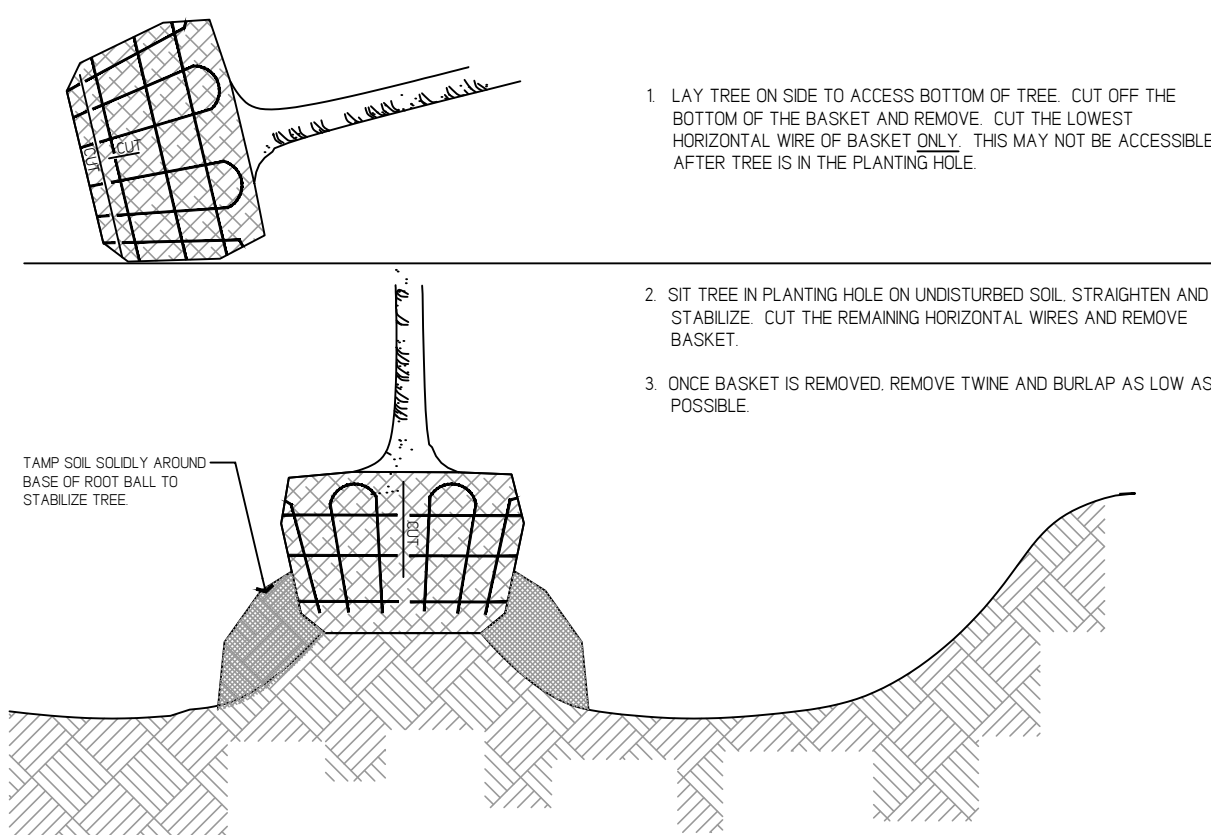
- SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, FOR COMPLETE LIST OF NURSERY STANDARDS FOR OTHER TYPES AND SIZES OF TREES AND SHRUBS
- UP TO AND INCLUDING THE 4" CALIPER SIZE, THE CALIPER MEASUREMENT INDICATES THE DIAMETER OF THE TRUNK 6" IN ABOVE GROUND LEVEL. FOR LARGER SIZES, THE CALIPER MEASUREMENT IS TAKEN 8" IN ABOVE GROUND LEVEL

12 TREE ROOT FLARE DIAGRAM

- PRIOR TO DIGGING TREE AT NURSERY, LOCATE THE ROOT FLARE. THIS WILL ALLOW FOR PROPER ROOT BALL SIZING BEFORE DIGGING
- PRIOR TO PLANTING, VERIFY THE TOP ELEVATION OF THE TRUE ROOT BALL BY REMOVING BURLAP IF ALIEN SOIL IS PRESENT REMOVE UNTIL THE ROOT FLARE IS EXPOSED
- AT THIS TIME ANY GRINDING OR GRINDING ROOTS SHOULD BE REMOVED. EXCESSIVE GRINDING OR GRINDING ROOTS WILL CAUSE THE TREE TO BE REJECTED
- ONCE SOIL IS REMOVED RETIE DRUM LACING IF BASKET IS PRESENT. RETIE TO BASKET
- IF TO MUCH SOIL IS REMOVE IN THE FIELD THE ROOT BALL IS EFFECTIVELY UNDERSIZED AND WILL BE REJECTED



13 REMOVAL OF WIRE BASKETS (if present)



14 GENERAL RANGE OF SOIL MODIFICATIONS AND VOLUMES FOR VARIOUS SOIL CONDITIONS

A.	POST CONSTRUCTION SOIL CONDITION	MIN WIDTH PREPARED SOIL FOR TREES (IN)	TYPE OF PREPARATION
B.	GOOD SOIL, NOT PREVIOUSLY GRADED OR COMPACTED (TOPSOIL LAYER INTACT)	6 FT. OR TWICE THE WIDTH OF THE ROOT BALL, WHICHEVER IS GREATER	LOOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN ON PLANTING DETAILS
C.	COMPACTED SOIL, NOT PREVIOUSLY GRADED, TOPSOIL LAYER DISTURBED BUT NOT ELIMINATED	15 FT.	LOOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN ON PLANTING DETAILS, ADD COMPOSTED ORGANIC MATTER TO BRING THE CONTENT UP TO 10% DRY WEIGHT
D.	GRADED SUBSOILS AND CLEAN FILLS WITH CLAY CONTENT BETWEEN 35 AND 55 %	20 FT.	MINIMUM TREATMENT: LOOSEN EXISTING SOILS TO WIDTHS AND DEPTHS SHOWN, ADD COMPOSTED ORGANIC MATTER TO BRING ORGANIC CONTENT UP TO 10% DRY WEIGHT. OPTIMUM TREATMENT: REMOVE TOP 8" TO 10" IN OF THE EXISTING MATERIAL, LOOSEN EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN IN THE PLANTING DETAILS, ADD 8" TO 10" OF LOAM TOPSOIL
E.	POOR QUALITY FILLS, HEAVY CLAY SOILS, SOILS CONTAMINATED WITH HAZARDOUS OR TOXIC MATERIAL, NO EXISTING SOIL	20 FT.	REMOVE EXISTING MATERIAL AND REPLACE WITH A LOAM TOPSOIL TO A MINIMUM DEPTH OF 20". THE DEPTHS OF LOAM TOPSOIL MAY BE GREATER THAN 20" DUE TO THE SIZE OF PLANT MATERIAL. AT TIME OF INSTALLATION, REFER TO CHART 11 FOR DEPTHS. THE WIDTH SHALL BE 10 FT. OR GREATER EXTENT FEASIBLE BASED UPON SITE CONSTRAINTS

14 SOIL MODIFICATIONS cont.

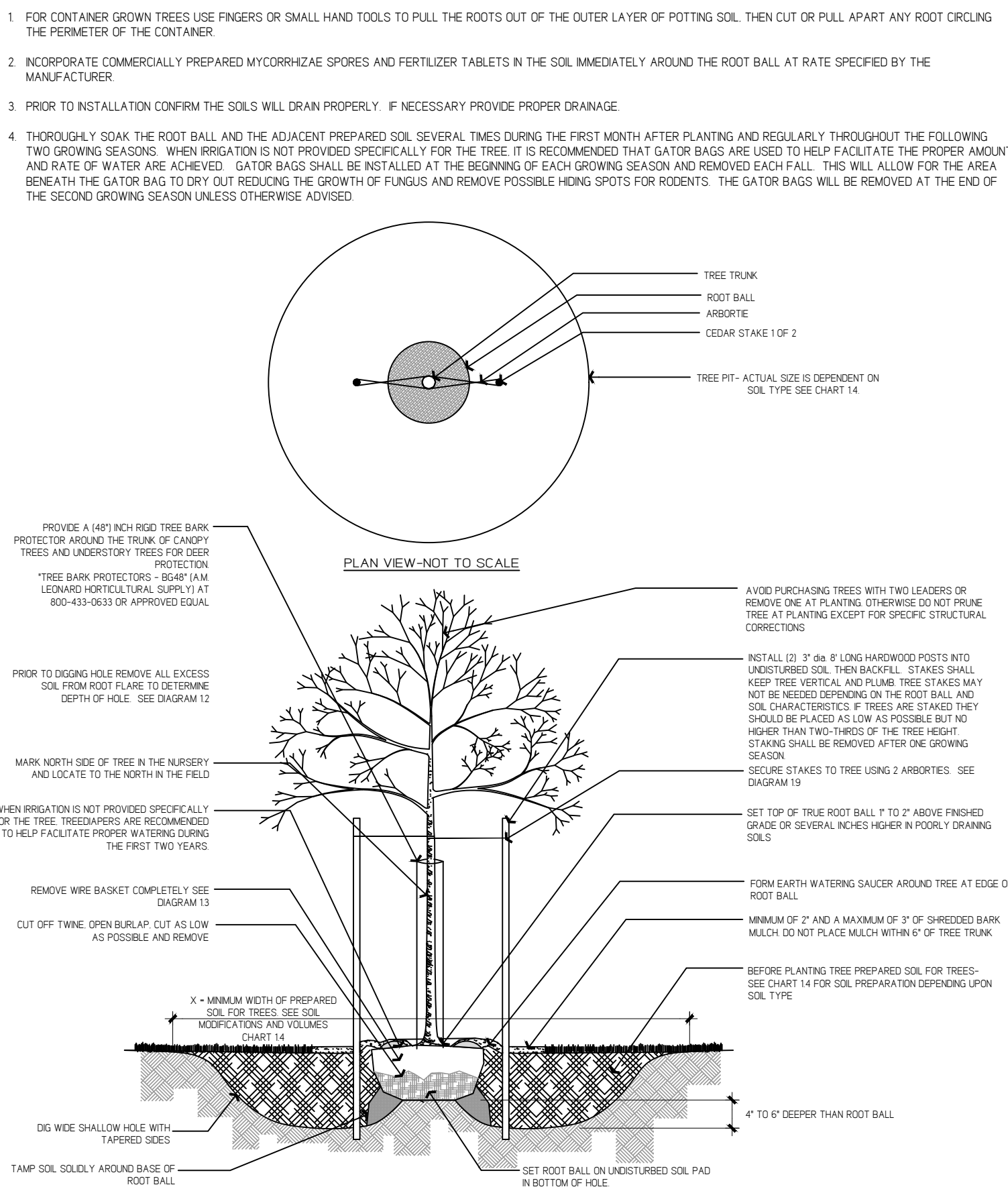
- THE QUALITY OF SOIL AVAILABLE FOR PLANTING VARIES WIDELY FROM SITE TO SITE, ESPECIALLY AFTER CONSTRUCTION ACTIVITY HAS OCCURRED. THE NATURE OF CONSTRUCTION RESULTS IN COMPACTION, FILLING, CONTAMINATION, AND GRADING OF THE ORIGINAL SOIL ON A SITE, RAPIDLY MAKING IT USELESS FOR PLANTING. PREVIOUS HUMAN ACTIVITY AT A SITE CAN ALSO AFFECT THE ABILITY OF THE SOIL TO SUPPORT PLANTS
- WHENEVER POSSIBLE, THE SOIL IMPROVEMENT AREA SHOULD BE CONNECTED FROM TREE TO TREE
- ALWAYS TEST SOIL FOR PH, NUTRIENT LEVELS, & TEXTURAL CLASS AND ADJUST THESE AS REQUIRED. SUBMIT TEST RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO PLANTING ALONG WITH SOIL IMPROVEMENT SUGGESTIONS. SOIL TESTS CAN BE ACQUIRED FROM YOUR LOCAL COUNTY AGRICULTURAL EXTENSION OR AT RUTGERS COOPERATIVE EXTENSION 732-932-9295
- LOOSEN SOIL WITH A BACK HOE OR OTHER LARGE COARSE-TILING EQUIPMENT WHEN POSSIBLE. THIS SHOULD NOT BE PERFORMED WHEN SOIL IS FROZEN OR EXCESSIVELY WET. TILLING THAT PRODUCES LARGE, COARSE CHUNKS OF SOIL IS PREFERABLE TO TILLING THAT RESULTS IN FINE GRAINS UNIFORM IN TEXTURE. AFTER THE PLANTING AREA IS LOOSENED IT SHALL NOT BE DRIVEN OVER BY ANY VEHICLE
- PLANT BED/TREE FIT DRAINAGE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SURFACE AND SUBSURFACE PLANT BED DRAINAGE PRIOR TO INSTALLATION OF PLANTS. IF POOR DRAINAGE CONDITIONS EXIST, CORRECTIVE ACTION SHALL BE TAKEN PRIOR TO PLANTING
- PLANTING SOIL SHALL BE AMENDED WITH THE FOLLOWING:
 - FOR ALL PLANT BED PREPARATIONS:
 - ORGANIC MECHANIC'S BIOCHAR BLEND OR APPROVED EQUAL
 - CONTAINS BIOCHAR, COMPOST, EARTHWORM CASTINGS, BONE CHAR, AZOMITE, ZEOLITE, ALFAFA MEAL, AND KELP MEAL. BIOCHAR IS BIOLOGICAL CHARCOAL THAT IS USED AS A SOIL CONDITIONER TO INCREASE WATER RETENTION, SOIL PH, AND MICROBIAL ACTIVITY. BIOCHAR THAT IS CHARGED HAS BEEN INOCULATED WITH NUTRIENTS AND MICROBES FROM A SOURCE OF ORGANIC MATTER, SUCH AS COMPOST. THIS PREVENTS THE BIOCHAR FROM DEPLETING EXISTING NUTRIENTS FROM THE SOIL WHEN FIRST APPLIED
- DIRECTIONS FOR USE:
 - MIX 3" INTO THE TOP 6" OF THE SOIL AT A RATE OF 15 CUBIC YARDS PER 1000 SF. OR EQUIVALENT WEIGHT APPLICATION
- FOR SINGULAR SHRUBS AND TREE PLANTINGS:
 - ORGANIC MECHANIC'S FLUXGEOBIOBUILT ZONE FEEDER PACKS OR APPROVED EQUAL
- CONTAINS A MEASURED DOSE OF FERTILIZER, MYCORRHIZAE, BIOCHAR, AZOMITE, AND MICRONIZED OYSTER SHELL

- DIRECTIONS FOR USE:
 - TO BE ADDED AT TIME OF PLANTING, DIRECTLY BESIDE OR UNDERNEATH THE ROOT BALL, USE 1 PER PLANT. IF PLANTING SIZE IS LARGER THAN A 5 GALLON CONTAINER, USE 1 PACK PER EVERY 5 GALLONS
- MANUFACTURER INFORMATION:
 - THE ORGANIC MECHANICS SOIL COMPANY, LLC
 - PO BOX 272
 - MODENA, PA 19358
 - P: 610-380-4398 F: 606-508-1071
 - enr@organicmechanics.com
- PROOF OF COMPLIANCE WITH SPECIFICATIONS:
 - THE CONTRACTOR WILL DEMONSTRATE COMPLIANCE BY PRESENTING THE LANDSCAPE ARCHITECT WITH THE FOLLOWING:
 - INVOICES TO PROVE PURCHASE OF PRODUCT IN SUFFICIENT QUANTITY TO COVER THE PROJECT AT THE RATES RECOMMENDED BY THE MANUFACTURER. INCLUDE PROJECT NAME, DATE OF PURCHASE OF PRODUCT, AND NAME OF CONTACT
 - SUBMIT EMPTY PRODUCT CONTAINERS AND/OR PACKAGING AFTER INSTALLATION IN THE QUANTITY SPECIFIED TO COVER THE PROJECT AT THE RATES RECOMMENDED BY THE MANUFACTURER
- THE USE OF CHEMICAL PESTICIDES AND HERBICIDES IS LINKED TO A DIMINISHING OF SOIL LIFE AND SUBSEQUENT DEGRADATION OF SOIL AND PLANT HEALTH. WE DO NOT RECOMMEND THE USE OF THESE SUBSTANCES ON THE LANDSCAPE AS THEY WILL COUNTERACT THE ABOVE STEPS TAKEN TO FOSTER SOIL AND PLANT HEALTH
- OVER-IRRIGATION WILL RESULT IN A LOSS OF OXYGEN IN THE SOIL, HINDERING THE GROWTH OF PLANT AND SOIL LIFE AND POTENTIALLY LEADING TO PLANT ROOT ROT AND/OR DISEASE. FOR EXCESSIVELY WET, AND POOR DRAINING SOILS, UNDER-DRAINAGE MAY BE REQUIRED

15 BARE ROOT TREE PLANTINGS

- FOR BARE ROOT TREES AND SHRUBS
- BIOPEX ORGANICS 1-2-3 BARE-ROOT GEL PLUS SOIL & ROOT INOCULANT OR APPROVED EQUAL
- COMBINES TRANSPARENT CONCENTRATE AND PLANT ENHANCER, GRANULAR END-ECTO MYCORRHIZAL SOIL, AND ROOT INOCULANTS AND ADVANCED POLYMER GEL CRYSTALS TO INCREASE PLANT HYDRATION AND IMPROVE PLANT ESTABLISHMENT
- MIXING DIRECTIONS:
MIX 3 OZ. OF BIOPEX 1-2-3 BARE-ROOT GEL PER EACH 1 GALLON OF WATER. LET STAND FOR 30 MINUTES TO ACTIVATE. DIP OR SOAK BARE ROOT PLANTS IN MIXTURE FOR 5 MINUTES PRIOR TO PLANTING
- PLANTING DIRECTIONS:
 - CUT OFF ALL BROKEN ROOTS
 - MAKE FRESH CUTS AT ENDS OF ROOTS
 - DIG PLANT HOLES AT LEAST 3 X THE WIDTH AND DEPTH OF THE ROOT MASS
 - PLANT ROOT FLARE AT GRADE OR GRAFT JUST ABOVE GRADE
 - BACK FILL ALL HOLES WITH PLANTING MIX APPROVED BY LANDSCAPE ARCHITECT
- PROOF OF COMPLIANCE WITH SPECIFICATIONS:
 - THE CONTRACTOR WILL DEMONSTRATE COMPLIANCE BY PRESENTING THE LANDSCAPE ARCHITECT WITH THE FOLLOWING:
 - INVOICES TO PROVE PURCHASE OF PRODUCT IN SUFFICIENT QUANTITY TO COVER THE PROJECT AT THE RATES RECOMMENDED BY THE MANUFACTURER. INCLUDE PROJECT NAME, DATE OF PURCHASE OF PRODUCT, AND NAME OF CONTACT
 - SUBMIT EMPTY PRODUCT CONTAINERS AND/OR PACKAGING AFTER INSTALLATION IN THE QUANTITY SPECIFIED TO COVER THE PROJECT AT THE RATES RECOMMENDED BY THE MANUFACTURER

16 DECIDUOUS TREE PLANTING DETAIL



17 CONIFEROUS TREE PLANTING DETAIL

- FOR CONTAINER GROWN TREES USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOT CIRCLING THE PERIMETER OF THE CONTAINER
- INCORPORATE COMMERCIALY PREPARED MYCORRHIZAE SPORES AND FERTILIZER TABLETS IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATE SPECIFIED BY THE MANUFACTURER
- PRIOR TO INSTALLATION CONFIRM THE SOILS WILL DRAIN PROPERLY. IF NECESSARY PROVIDE PROPER DRAINAGE
- THOROUGHLY SOAK THE ROOT BALL AND THE ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS. WHEN IRRIGATION IS NOT PROVIDED SPECIFICALLY FOR THE TREE, IT IS RECOMMENDED THAT GATOR BAGS ARE USED TO HELP FACILITATE THE PROPER AMOUNT AND RATE OF WATER ARE ACHIEVED. GATOR BAGS SHALL BE INSTALLED AT THE BEGINNING OF EACH GROWING SEASON AND REMOVED EACH FALL. THIS WILL ALLOW FOR THE AREA BENEATH THE GATOR BAG TO DRY OUT REDUCING THE GROWTH OF FUNGUS AND REMOVE POSSIBLE HONG SPOTS FOR RODENTS

