



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		•		HOLE DAMAGE
37	20	Sycamore	•		1	NON-VIABLE
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	

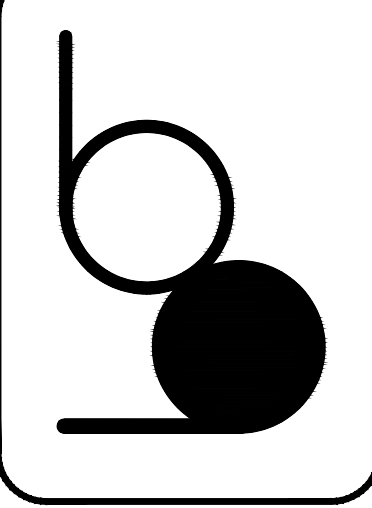
IN ACCORDANCE WITH THE TREE REPLACEMENT TABLE FOR THE TOWNSHIP OF WEST ORANGE, FOUND ON THE "APPLICATION FOR A TREE REMOVAL, EXEMPTION AND REPLACEMENT PERMIT". EACH TREE SHALL BE 2.5" NATIVE NONPESTICIDE/HERBICIDE TREATED TREE WITH A MINIMUM OF 6-FEET TALL. NON-VIABLE TREES TO BE REPLACED ON A 1:1 BASIS.

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 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.	

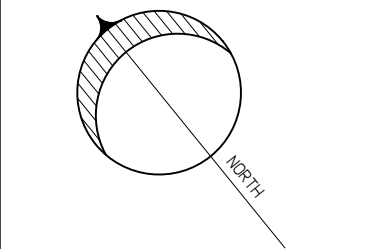
Assessment by John D. Linson
N.J. Licensed Tree Expert #198
U.S.A. Certified Arborist NJ-0806A
N.J.D.E.P. Approved Forester
12/18/2024



WARNING
If this drawing does not contain a raised seal impression and an original signature by the professional it is not an original document. It may have been altered and should not be used for construction.

SOURCE INFORMATION:
CLINNINGHAM ENGINEERING & DESIGN, LLC
215 NEWTON SQUARE ROAD
NEWTON, NJ 07850
973-269-7546

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:
January 31, 2026 - Revision
NJ Certificate of Authorization
MH000126
JOHN A. OLIVO
NEW JERSEY LICENSED
LANDSCAPE ARCHITECT
#AS000938
SHEET
L-100.00

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"	22"	14 1/2"
2 1/4"	12'-14"	16"	24"	16"
3"	14'-16"	18"	28"	18 1/2"
3 1/2"	14'-16"	18"	32"	19 1/2"
4"	16'-18"	20"	36"	23"
4 1/2"	18'-20"	22"	42"	25"
5"	18'-20"	26"	54"	32 1/2"

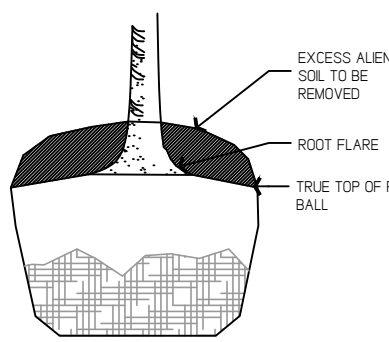
MULTI-STEM TREES		
HEIGHT	MIN. BALL DIA. (IN)	MIN. BALL DEPTH (IN)
4'	14"	10 1/2"
5'	16"	12"
6'	18"	13 1/2"
7'	20"	13 1/2"
8'	22"	14 1/2"
10'	24"	16"
12'	26"	18 1/2"
14'	32"	21 1/2"
16'	38"	25 1/2"
18'	42"	28"
20'	48"	32"

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"

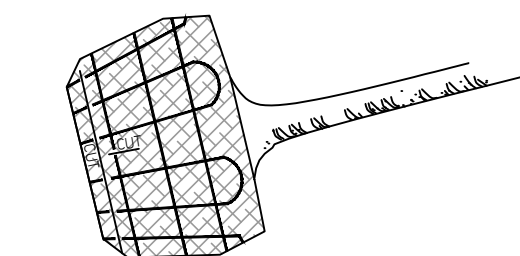
- SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, FOR COMPLETE LIST OF NURSERY STANDARDS FOR OTHER TYPES AND SIZES OF TREES AND SHRUBS
- UP TO AND INCLUDING THE 4-IN CALIPER SIZE, THE CALIPER MEASUREMENT INDICATES THE DIAMETER OF THE TRUNK 6 IN. ABOVE GROUND LEVEL. FOR LARGER SIZES, THE CALIPER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

12 TREE ROOT FLARE DIAGRAM

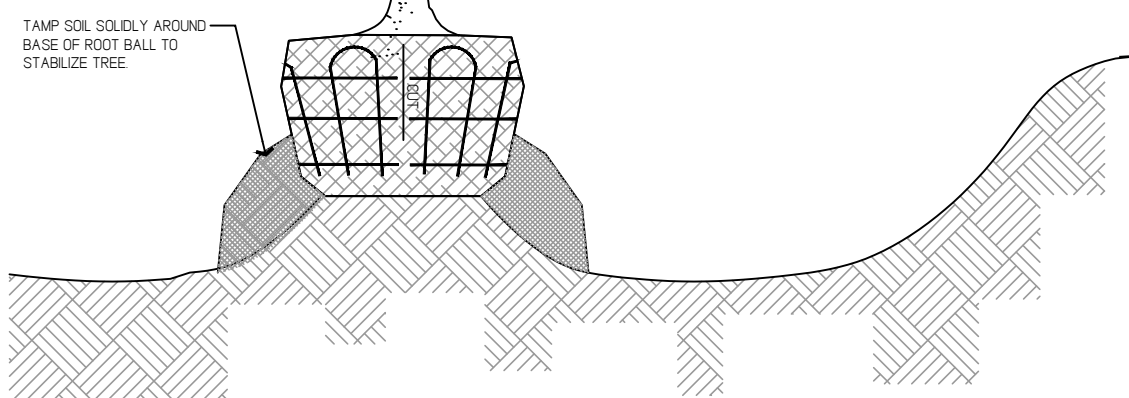
- PRIOR TO DIGGING TREE AT NURSERY, LOCATE THE ROOT FLARE. THIS WILL ALLOW FOR PROPER ROOT BALL SIZING BEFORE DIGGING.
- PRIOR TO PLANTING, VERIFY THE TOP ELEVATION OF THE TRUE ROOT BALL BY REMOVING BURLAP. IF ALIEN SOIL IS PRESENT, REMOVE UNTIL THE ROOT FLARE IS EXPOSED.
- AT THIS TIME ANY GRINDING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



13 REMOVAL OF WIRE BASKETS (if present)



- LAY TREE ON SIDE TO ACCESS BOTTOM OF TREE. CUT OFF THE BOTTOM OF THE BASKET AND REMOVE. CUT THE LOWEST HORIZONTAL WIRE OF BASKET ONLY. THIS MAY NOT BE ACCESSIBLE AFTER TREE IS IN THE PLANTING HOLE.
- SIT TREE IN PLANTING HOLE ON UNDISTURBED SOIL. STRAIGHTEN AND STABILIZE. CUT THE REMAINING HORIZONTAL WIRES AND REMOVE BASKET.
- ONCE BASKET IS REMOVED, REMOVE TWINE AND BURLAP AS LOW AS POSSIBLE.



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

POST CONSTRUCTION SOIL CONDITION	MIN. WIDTH PREPARED SOIL FOR TREES (X)	TYPE OF PREPARATION
GOOD SOIL, NOT PREVIOUSLY GRADED OR COMPACTED (TOPSOIL LAYER IN ACT)	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
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 AND COMPOSTED ORGANIC MATTER TO BRING THE CONTENT UP TO 10% DRY WEIGHT
GRADED SUBSOILS AND CLEAN FILLS WITH CLAY CONTENT BETWEEN 5 AND 35 %	20 FT	MINIMUM TREATMENT: LOOSEN EXISTING SOILS TO WIDTHS AND DEPTHS SHOWN AND COMPOSTED ORGANIC MATTER TO BRING ORGANIC CONTENT UP TO 10% DRY WEIGHT OPTIMAL TREATMENT: REMOVE TOP 6 TO 10 IN. OF THE EXISTING MATERIAL, LOOSEN EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN IN THE PLANTING DETAILS, AND 8 IN. OF PLUM TOPSOIL
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 24" THE DEPTHS OF LOAM TOPSOIL MAY BE GREATER THAN 24" DUE TO THE SIZE OF PLANT MATERIAL. AT THE OF INSTALLATION, REFER TO CHART 11 FOR DEPTHS. THE WIDTH SHALL BE 20 FT. OR GREATEST 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, ALFALFA 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.

D. FOR SINGULAR SHRUBS AND TREE PLANTINGS

ORGANIC MECHANIC'S FLUJGEDABOUBTHI ROOT 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
Moberg, PA 19358
P: 610-380-4398 F: 610-380-1071
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
CONTAINS 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 1 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:

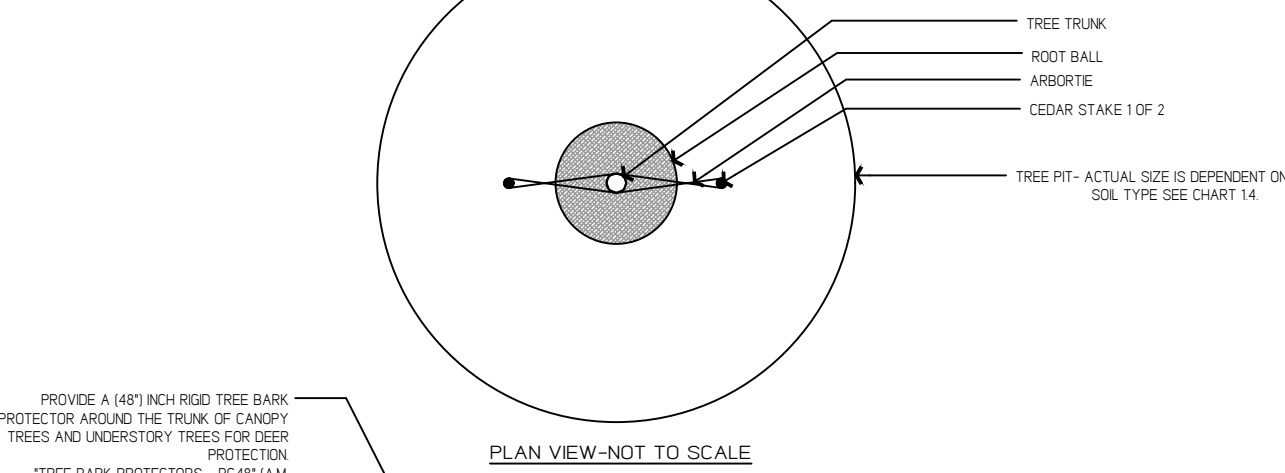
- CUT OFF ALL BROKEN ROOTS
- MAKE FRESH CUTS AT ENDS OF ROOTS
- DIG PLANT HOLES AT LEAST 3 X THE WIDTH AND DEPTH OF THE ROOT MASS
- PLANT ROOT FLARE AT GRADE OR GRAFT JUST ABOVE GRADE
- BACK FILL ALL HOLES WITH PLANTING MIX APPROVED BY LANDSCAPE ARCHITECT

PROOF OF COMPLIANCE WITH SPECIFICATIONS:

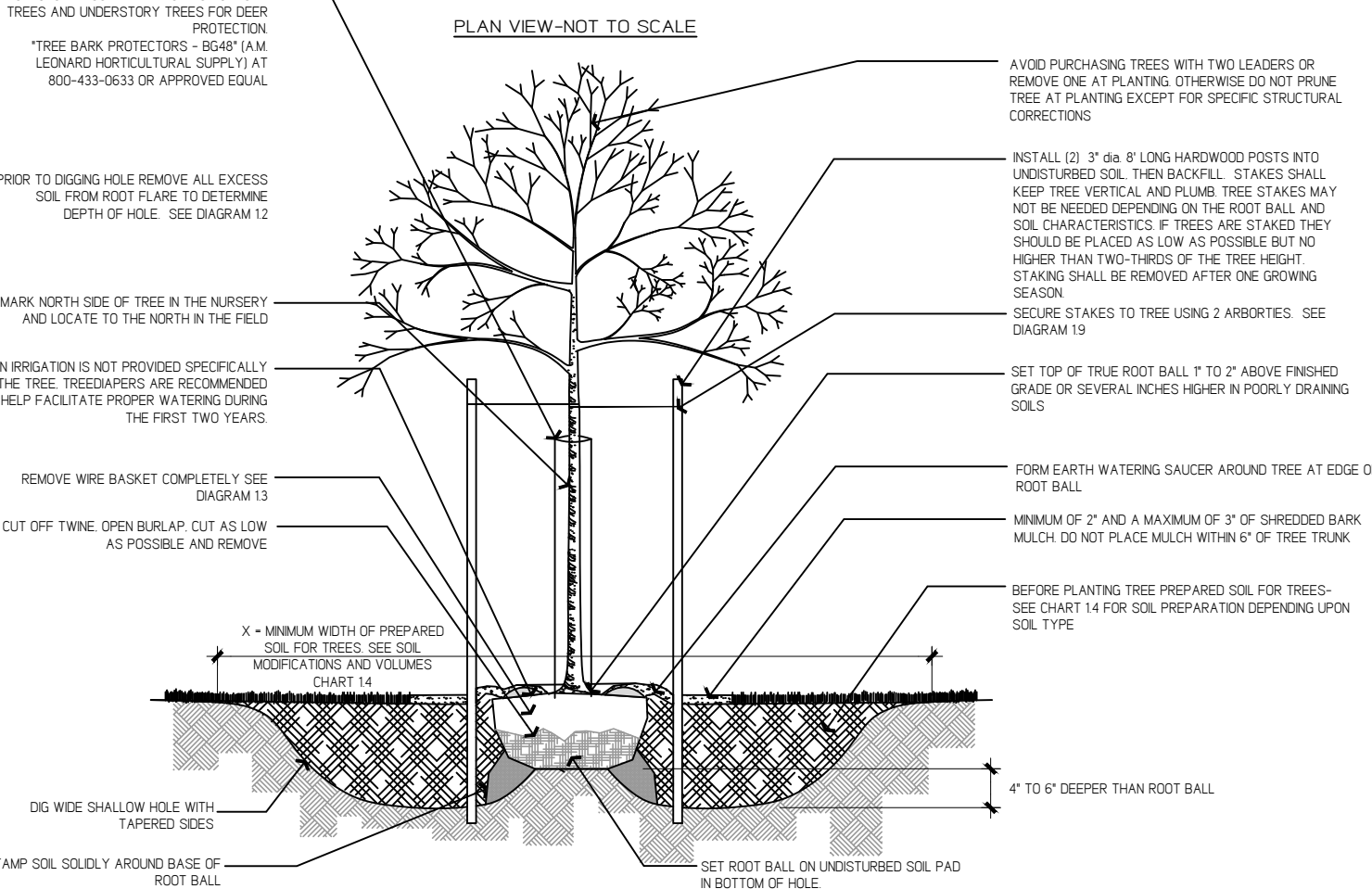
THE CONTRACTOR WILL DEMONSTRATE COMPLIANCE BY PRESENTING THE LANDSCAPE ARCHITECT WITH THE FOLLOWING:
INVOICES TO PROVE PURCHASE OF PRODUCT IN SUFFICIENT QUANTITY TO COVER THE PROJECT AT THE RATES RECOMMENDED BY THE MANUFACTURER. INCLUDE PROJECT NAME, DATE OF PURCHASE OF PRODUCT, AND NAME OF CONTACT.
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

- 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 GROWING SEASONS. 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 HIDING SPOTS FOR RODENTS. THE GATOR BAGS WILL BE REMOVED AT THE END OF THE SECOND GROWING SEASON UNLESS OTHERWISE ADVISED.

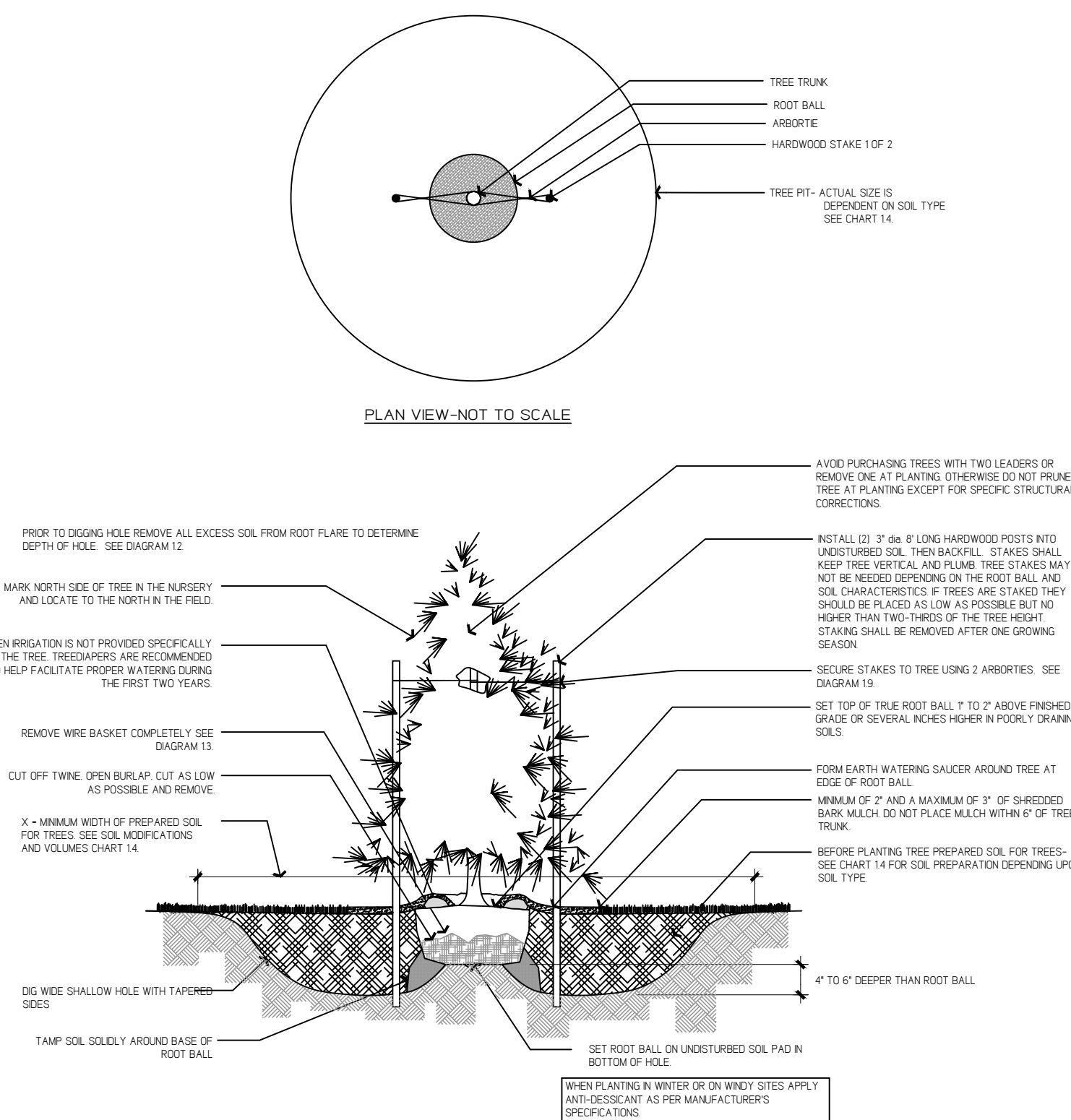


PLAN VIEW - NOT TO SCALE

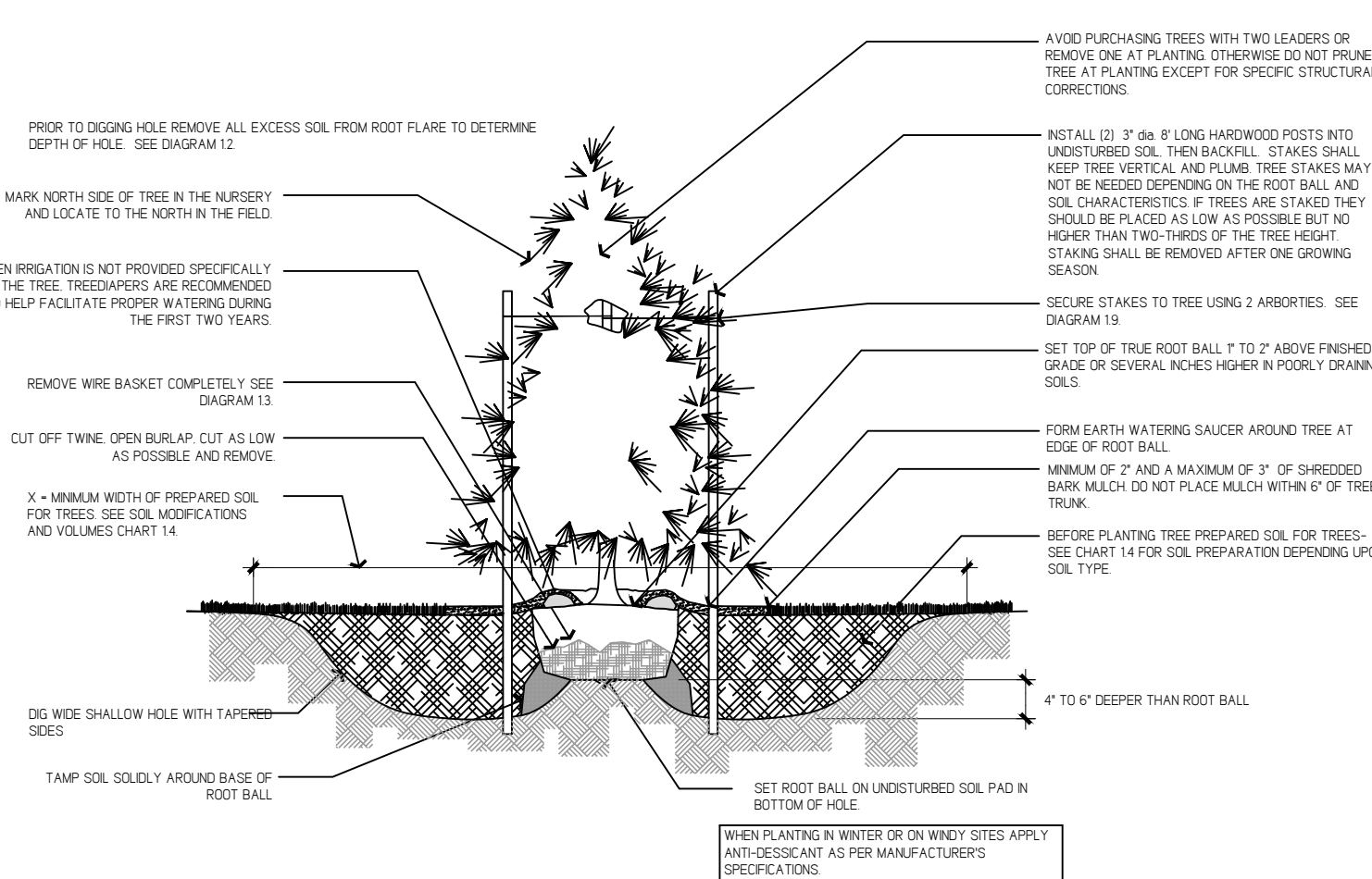


17 CONIFEROUS TREE PLANTING DETAIL

- 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 HIDING SPOTS FOR RODENTS.

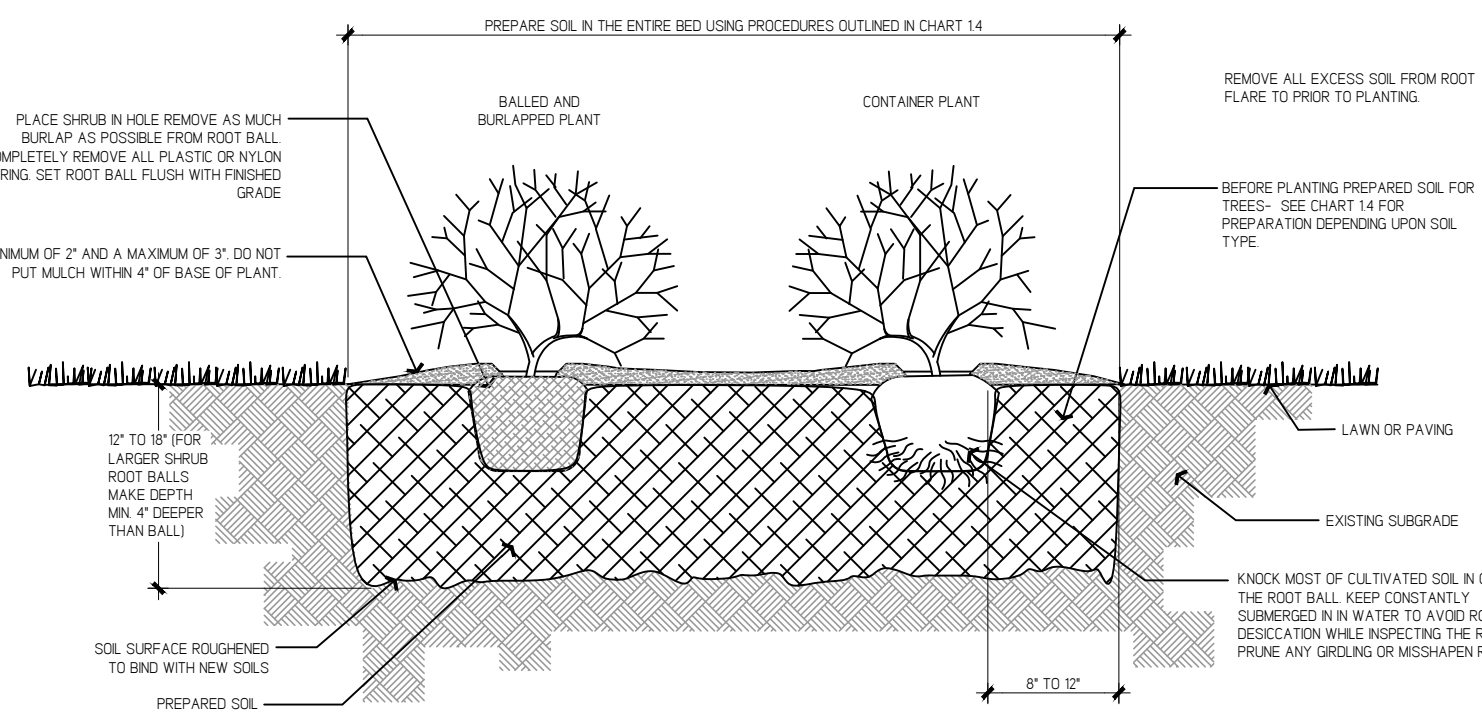


PLAN VIEW - NOT TO SCALE



18 SHRUB PLANTING DETAIL

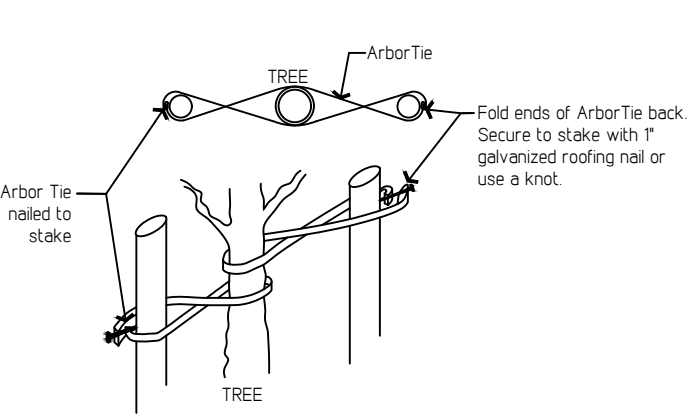
- FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL. THEN CUT OR PULL APART ANY ROOT CIRCLING THE PERIMETER OF THE CONTAINER.
- INCORPORATE COMMERCIALY PREPARED MYCORRHIZAE SPORES AND FERTILIZER TABLETS IN THE SOIL IMMEDIATELY AROUND THE 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.



19 ARBORITE DETAIL

- LOOP TIE AROUND TREE AND NAIL TO CEDAR STAKE
- REMOVE ALL STAKING AND TIES AT END OF FIRST GROWING SEASON
- CONSULT LANDSCAPE ARCHITECT FOR STAKING OF TREES LARGER THAN 6"
- SOURCES INCLUDE:
 - GENPERS: 1-800-332-6744 OR GENPERS.COM
 - CSP OUTDOORS: 1-800-592-6940 OR CSPOUTDOORS.COM

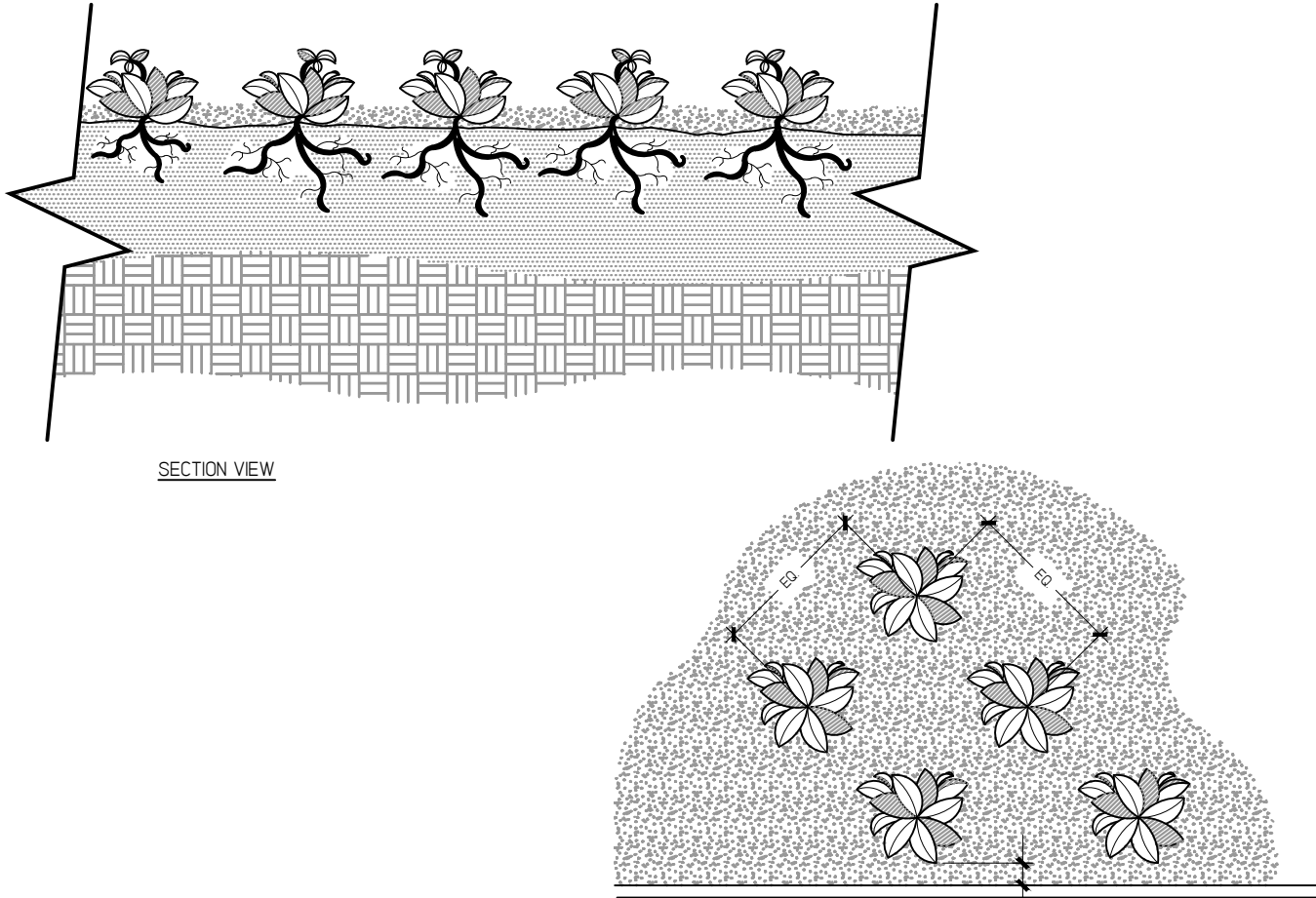
STAKING DETAIL



110 PLANT MATERIAL GUARANTEE

- LANDSCAPE CONTRACTOR SHALL SUPPLY A TWO YEAR PLANT MATERIAL GUARANTEE
- CONTRACTOR SHALL NOT BE RESPONSIBLE FOR THE PLANTINGS IF OWNER FAILS TO PROVIDE PROPER CARE, AND WATERING DURING GUARANTEE PERIOD. PROPER CARE MAY REQUIRE UNDER DRAINAGE AND/OR STRICT MOISTURE MONITORING OF THE SOIL TO MITIGATE OVER-WATERING.
- CONTRACTOR SHALL INSTRUCT OWNER AS TO PROPER CARE OF MATERIAL.

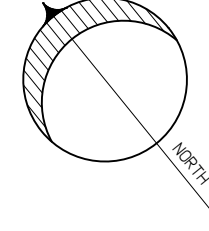
1.11 GROUNDCOVER, PERENNIAL, AND ORNAMENTAL GRASS PLANTING



- NOTES:
- SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
 - SHALL ROOTS GROW ABOVE GROUND AND/OR UP OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE. HOWEVER, THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS IN THE NURSERY CAN BE REMOVED AT THE TIME OF PLANTING. SEE ROOT BALL SHAVING CONTAINER DETAILS.
 - SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MALLOWING.

- A. IMPORTED TOPSOIL, FERTILE, FRABLE, SOIL LOAM TOPSOIL, SUITABLE FOR THE GERMINATION OF SEEDS AND THE SUPPORT OF VEGETATIVE GROWTH MEETING THE FOLLOWING CRITERIA:
- SOIL TEXTURE: LIGHT LOAM, SANDY CLAY LOAM OR SANDY LOAM WITH CLAY CONTENT BETWEEN 15 AND 35 PERCENT. A COMBINED CLAY/LOAM CONTENT OF NO MORE THAN 60 PERCENT AND SAND BETWEEN 35 AND 65 PERCENT.
 - EXCEPT WHERE NOTED, IMPORTED TOPSOIL SHALL NOT HAVE BEEN SCREENED AND SHALL RETAIN SOIL PEGS (CLAMPS/CLOSERS) LARGER THAN 2 INCHES (50 MM) IN DIAMETER THROUGHOUT THE STOCKPILE AFTER HARVESTING.
 - LIGHT SCREENING THROUGH A 5/8 INCH (16 MM) SQUARE OR LARGER OPENING WILL BE PERMISSIBLE IN SOILS WITH CLAY CONTENT OF 30 PERCENT OR GREATER IF REQUIRED TO BREAK UP LARGE PEGS (CLAMPS/CLOSERS) OR REMOVE COARSE ROOTS AND STONES.
- B. RETAINED SOIL PEGS (CLAMPS/CLOSERS) SHALL BE THE SAME COLOR OR THE NEAREST AS IS VISIBLE ON THE OUTSIDE SURFACE OF THE PEG.
- SOIL OBJECTS LARGER THAN 1/4 INCH (6.35 MM) DIAMETER, IMPORTED TOPSOIL, SHALL CONTAIN LESS THAN 5 PERCENT TOTAL VOLUME OF THE COMBINATION OF ALL OBJECTS 1 TO 8 INCH (25 MM TO 203 MM) IN THEIR LARGEST DIMENSION INCLUDING CLAMPS/CLOSERS OF HEAVY CLAY, SANDY CLAY OR SILTY CLAY, SUBSOIL, DEBRIS, REFUSE, ROOTS, STONES, STICKS, BRUSH AND OR LITTER. THE SOIL SHALL CONTAIN LESS THAN 1 PERCENT BY VOLUME TOTAL OF THE ABOVE OBJECTS 1/4 INCH TO 1/2 INCH (6.35 MM TO 12.7 MM) IN DIAMETER. REMOVE ALL OBJECTS LARGER THAN 8 INCH (203 MM) IN ITS LONGEST DIMENSION.
 - MEET THE ABOVE REQUIREMENT BY UTILIZING ACCEPTABLE SOIL SOURCES RATHER THAN SOIL SCREENING.
 - IMPORTED TOPSOIL MAY BE A HARVESTED SOIL FROM FIELDS OR DEVELOPMENT SITES OR PURCHASED FROM SUPPLIERS WHO COLLECT AND PROCESS SOIL. THE ORGANIC CONTENT AND PARTICLE SIZE DISTRIBUTION SHALL BE THE RESULT OF NATURAL SOIL FORMATION. MANUFACTURED SOILS WHERE SAND, COMPOSTED ORGANIC MATERIAL, OR OTHER ADDITIVES HAVE BEEN ADDED TO THE SOIL TO MEET THE REQUIREMENTS OF IMPORTED TOPSOIL, SHALL NOT BE ACCEPTABLE.
 - PERCENT ORGANIC MATTER (OM) 3 TO 5 PERCENT BY DRY WEIGHT.
 - SOLUBLE SALT LEVEL LESS THAN 2 MME/CM.
 - SOIL NUTRIENT CHARACTERISTICS SUITABLE FOR GROWING THE PLANTS SPECIFIED OR AFTER MODIFICATION.
 - GERMINATING SEEDINGS FROM SEEDS IN THE SOIL SHALL BE REMOVED WITHIN ONE MONTH OF GERMINATION WHETHER DURING THE PERIOD THE SOIL IS BEING STORED OR AFTER INSTALLATION, INCLUDING DURING THE WARRANTY PERIOD OF THE SOWS.
- C. STOCKPILED EXISTING TOPSOIL AT THE SITE MEETING THE ABOVE CRITERIA MAY BE ACCEPTABLE.
- D. SUBMITTAL REQUIREMENTS PROVIDE A ONE-GALLON (3.78 LITER) SAMPLE FROM EACH IMPORTED TOPSOIL SOURCE WITH REQUIRED SOIL TESTING RESULTS. THE SAMPLE SHALL BE A MIXTURE OF THE RANDOM SAMPLES TAKEN AROUND THE SOURCE STOCKPILE OR FIELD. THE SOIL SAMPLE SHALL BE DELIVERED WITH SOIL PEGS (CLAMPS/CLOSERS) THAT REPRESENT THE SIZE AND QUANTITY OF EXPECTED PEGS (CLAMPS/CLOSERS) IN THE FINAL DELIVERED SOIL. THE SAMPLE SHALL REPRESENT THE EXPECTED AMOUNT OF OBJECTS LARGER THAN 1/4 INCH (6.35 MM).

MONTCLAIR STABLES
WEST ORANGE, NJ



PLANTING DETAILS

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:

January 31, 2025 - Revision

NJ Certificate of Authorization
MH000126
JOHN A. OLIVO
NEW JERSEY LICENSED
LANDSCAPE ARCHITECT
#AS0000938

SHEET
L-500.00