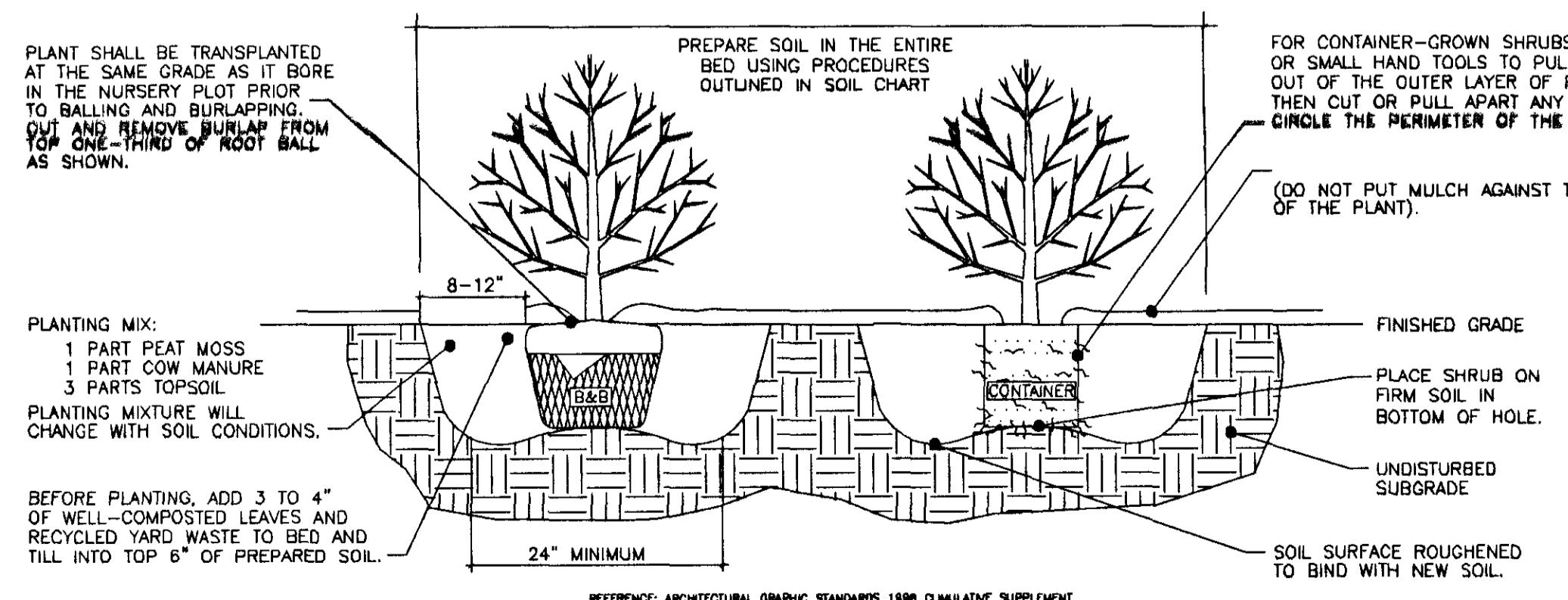


PLANTING SPECIFICATIONS:

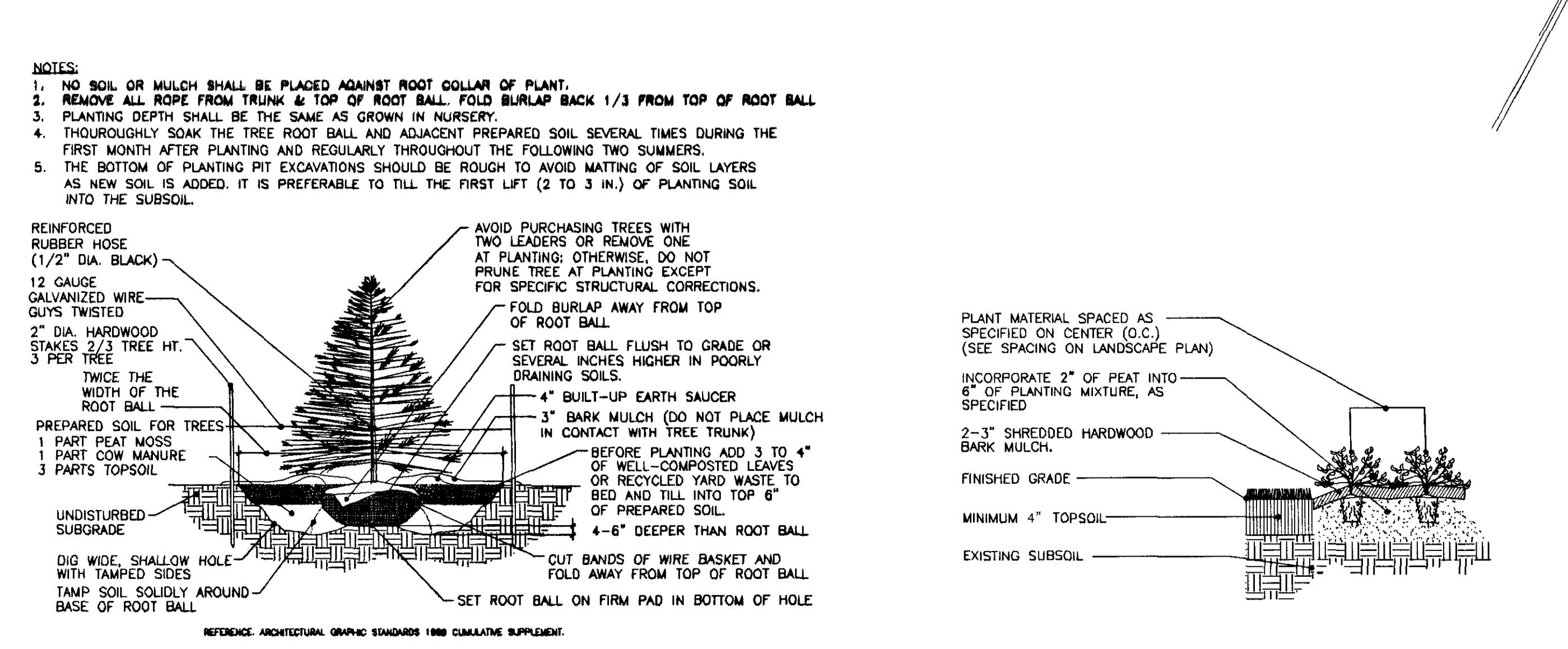
- SCOPE OF WORK
 - THIS WORK SHALL CONSIST OF PREPARING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAGGING, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- MATERIALS
 - GENERAL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION (DOT) PUBLICATIONS, OR APPROVED BRIDGE CONSTRUCTION (LATEST EDITION) OR APPROVED EQUIPMENT.
 - PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
 - TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT LESS THAN 2% AND A MINERAL CONTENT NOT LESS THAN 80%, FREE FROM ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
 - MULCH - DOUBLE SHREDDED HARDWOOD BARK MULCH.
- FERTILIZER AND SOIL CONDITIONER - PLANTED AREAS
 - ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE, WITH MINERAL CONTENT OF 15 NITROGEN AND 25 PHOSPHORIC ACID, EQUAL TO NITROHUMS.
 - ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE 'GRO-POWER' AND ORGANIC BASED SOIL CONDITIONER, COMPOSED OF DECOMPOSED VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POLARITY OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1).
 - NITROGEN 5%, PHOSPHATE 3%, POTASH 1%, 50% HUMUS AND 15% MULCH.
- GENERAL WORK PROCEDURES
 - LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANSHIP STANDARDS PERIODICALLY AND CONDUCT A CHECK OF THE SITE TO ENSURE A CLEAN STATE AT THE END OF EACH DAY'S WORK. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEEP CLEAN AT THE END OF EACH DAY'S WORK.
- WEEDING
 - BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- TOPSOIL
 - CONTRACTOR TO PRIME A 4" MINIMUM THICK TOPSOIL LAYER OVER THE ENTIRE SITE. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE TOPSOIL UTILIZED IN ALL PLANTING AREAS. ADJUST PH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM.
- SOL
 - CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 8". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TO A 10' (2 DIRECTIONS) INTO TOP 4" WITH A MAXIMUM SPREAD OF 1,000 SQ. FT.
 - 20 POUNDS "GRO-POWER"
100 POUNDS AGRICULTURAL GYPSUM
20 POUNDS NITROGRAN (COUPLES) 38-0-0 BLUE CHIP
 - SOL MODIFICATIONS
 - THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS. USE THE SOIL'S OWN WATER TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED WOOD, OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A pH HIGHER THAN 7.5.
 - MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% VOLUME) AND/OR OXYDIZED MANURE. USE OXYDIZED MANURE ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSIDIARY DRAINAGE LINES.
 - MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
 - PLANTING
 - POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE ARRIVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
- MANTENANCE (ALTERNATE BID)
 - COST PER MONTH AFTER INITIAL 90-DAY MAINTENANCE PERIOD.

REFERENCE DETAIL SHEET FOR PLANTING NOTES, SPECIFICATIONS, AND DETAILS

GRAPHIC SCALE			
0	10	20	40
(IN FEET)			
1 inch = 20 ft.			
STOP CALL BEFORE YOU DIG			
0	1	2	
INCHES	X-17		
4374 TOWN OF BETHLEHEM			
THE STATE OF NEW YORK REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR CONTRACTORS TO STOP CALLING BEFORE YOU DIG. (1-800-982-7962)			
5 Computer Drive West Albany, NY 12205 518.438.9900 fax: 518.438.0900 www.bohlereng.com			
Cumberland Farms 777 Dedham Street, Canton, Massachusetts 02021			
BOHLER ENGINEERING, P.C.			
CIVIL & CONSULTING ENGINEERS PROJECT MANAGERS ENVIRONMENTAL & SITE PLANNERS MUNICIPAL ENGINEERS			
PROJECT: CUMBERLAND FARMS, INC. PROP. CONVENIENCE STORE & GAS STATION LOTS 7, 8 & 12, BLOCK 1, SECTION 121.04 NEW YORK STATE HIGHWAY ROUTE 9W TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK			
L.H. BOHLER W.D. GOEBEL			
SCALE: (I) 1" = 20' (V) NONE DATE: 09/12/06 SHEET NO: 10			
DRAWN BY: SMV PROJECT NO: B050649			
CHECKED BY: CEB CAD ID #: B050649S16			
PROFESSIONAL ENGINEER NEW YORK LICENSE No. 63409 NEW JERSEY LICENSE No. 27410 CONNECTICUT LICENSE No. 21854 VERMONT LICENSE No. 7735 MASSACHUSETTS LICENSE No. 42644 RHODE ISLAND LICENSE No. 7268			
CONSTRUCTION CHECK DATE			



DECIDUOUS AND EVERGREEN SHRUB PLANTING DETAIL



EVERGREEN TREE PLANTING DETAIL

