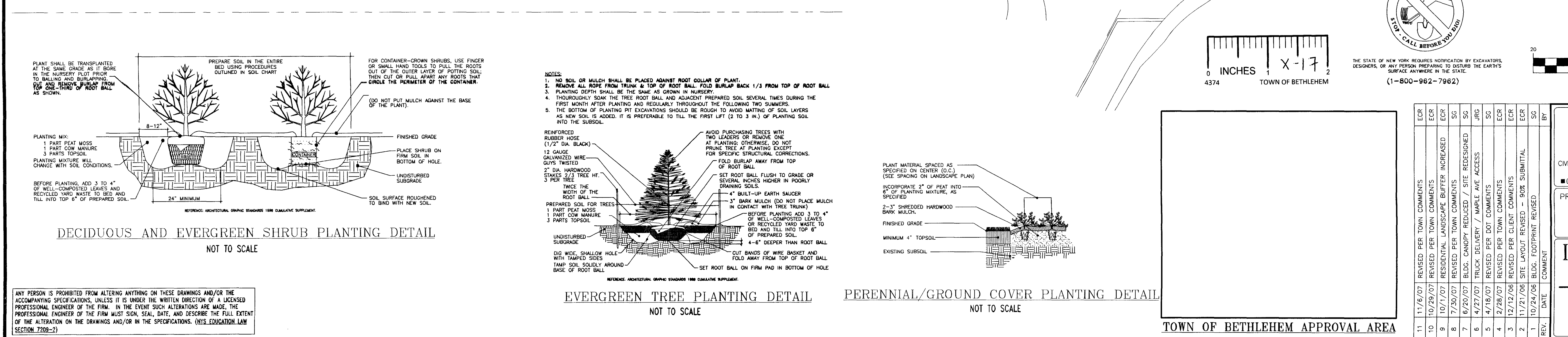


LANDSCAPE SCHEDULE					
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS TREE					
BN	2	BETULA NIGRA	MULTI STEM RIVER BIRCH	12-14'	#4 B
ARG	2	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	#4 B
EVERGREEN TREE					
PP	14	PICEA PUNGENS	COLORADO SPRUCE	6-7'	#4 B
PS	8	PINUS STROBUS	EASTERN WHITE PINE	6-7'	#4 B
EVERGREEN SHRUB					
IGC	15	ILEX GLABRA COMPACTA	DWARF INKERRY HOLLY	24-30"	#5 CAN
JHBH	23	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	15-18" SPDR.	#3 CAN
RCNZ	2	RHODODENDRON CATAPAWBIENSE 'NOVA ZEMBLA'	NOVA ZEMBLA RHODODENDRON	30-36"	#4 B
TH	8	'TAXUS MEDIA "HICKSII"	HICKS YEW	30-36"	#4 B
TOT	29	THUJA OCCIDENTALIS 'TECHNY'	TECHNY ARBORVITAE	5-6'	#4 B
DECIDUOUS SHRUB					
FTA	22	POTENTILLA FRUTICOSA 'ABBOTSWOOD'	ABBOTSWOOD CINQUEFOIL	18-24"	#3 CAN
SBW	15	SPIREA X BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	18-24"	#3 CAN
SBC	7	SPIREA X BUMALDA 'GOLDFLAME'	GOLD FLAME SPIREA	15-18"	#3 CAN
	44				

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL PREVAIL.

- ### PLANTING SPECIFICATIONS:
- SCOPE OF WORK
A. THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LAID, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
 - MATERIALS
A. GENERAL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION (DOT) MANUAL OF ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION) OR APPROVED EQUAL.
B. PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
C. TOPSOIL - LOAMY S.L.T. HAVING AN ORGANIC CONTENT NOT LESS THAN 3%, (AN RANGE BETWEEN 4.5 - 7%), BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (5"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
D. MULCH - DOUBLE SHREDDED HARDWOOD DARK MULCH.
 - FERTILIZER AND SOIL CONDITIONER - PLANTED AREAS
A. ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE WITH MINIMAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO "NITROHUMUS".
B. ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE "ORG-POWER" AND ORGANIC BASE MATERIALS COMPOSED OF DECOMPOSED ANIMAL AND VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POLYMER OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1): NITROGEN 5%, PHOSPHATE 3%, POTASH 1%, 50% HUMUS AND 15% HUMIC ACIDS.
 - GENERAL WORK PROCEDURES
A. LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANSHIP STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH DAY'S WORK. ALL EXCESS MATERIALS, AND TOOLS, EQUIPMENT, AND DEBRIS STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEEP CLEAN AT THE END OF EACH DAY'S WORK.
 - WEEDING
A. 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.
 - TOPSOILING
A. CONTRACTOR TO PROVIDE A 4" MINIMUM THICK TOPSOIL LAYER IN ALL PLANTING AREAS. 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.
B. SOIL CONDITIONING
CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:
20 POUNDS "ORG-POWER"
100 POUNDS AGRICULTURAL GYPSUM
20 POUNDS NITROGEN (GROUSE) 38-0-0 BLUE CHIP
C. SOIL MODIFICATIONS
THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6" TO 12" IN OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED 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% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF INCHES IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 80% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING OR RAISED MOUND OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.
MODIFY EXTREMELY SANDY SOILS (MORE THAN 80% 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 APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
 - MAINTENANCE (ALTERNATE BID)
COST PER MONTH AFTER INITIAL 90-DAY MAINTENANCE PERIOD
1. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACK FILLED WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:
1 PART PEAT MOSS
1 PART COW MANURE BY VOLUME
3 PARTS TOPSOIL BY VOLUME
21 GRAM "AGRIFORM" PLANTING TABLETS AS FOLLOWS:
2 TABLETS PER 1 GAL. PLANT
3 TABLETS PER 5 GAL. PLANT
4 TABLETS PER 15 GAL. PLANT
LARGER PLANTS (2) TWO TABLETS PER 1/2" DIAM. OF TRUNK CALIPER.
2. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACK FILL AND WATER THOROUGHLY.
3. ALL PLANTS SHALL BE SET SO THAT THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
4. PREPARE BASED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH TREE.
5. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACK FILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
6. PRUNE ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS TO A MIN. OF 7' BRANCHING HEIGHT.
7. GROUND COVER
A. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
8. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
9. C. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
10. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEEDED PRIOR TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.
11. FINISH GRADING
A. ALL AREAS WILL BE RECEIVED BY THE CONTRACTOR AT SUBSTANTIALLY PLUS/MINUS 1 FOOT OF FINISH GRADE.
B. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT.
C. SOIL AREAS ADJACENT TO THE BUILDING SHALL SLOPE AWAY.
D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
12. GUARANTEE
A. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM ACCEPTANCE OF JOB. OWNER TO SECURE A MAINTENANCE BOND FROM THE CONTRACTOR FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE COMPLETION OF THE GUARANTEE PERIOD AND PASSES A FINAL INSPECTION BY THE OWNER OR OWNER'S REPRESENTATIVE.
13. CLEANUP
A. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
B. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY WITH HERBICIDE AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
C. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF PRODD OR BARE AREAS.

REFERENCE DETAIL SHEET FOR PLANTING NOTES, SPECIFICATIONS, AND DETAILS



GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

4374 0 10 20 30 40 50 60 70 80

0 10 20 30 40 50 60 70 80

1 inch = 20 ft.

Bohler Engineering, P.C.
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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

TITLE: LANDSCAPE PLAN

L.H. BOHLER W.D. GOEBEL

PROFESSIONAL ENGINEER
NEW YORK LICENSE No. 63409
NEW JERSEY LICENSE No. 27410
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SCALE: (H) 1"=20' (V) NONE DATE: 09/12/06 SHEET No: 10 OF 19

DRAWN BY: SMV PROJECT No: 6050649

CHECKED BY: CEB CAD ID: B0506495316

CONSTRUCTION CHECK DATE