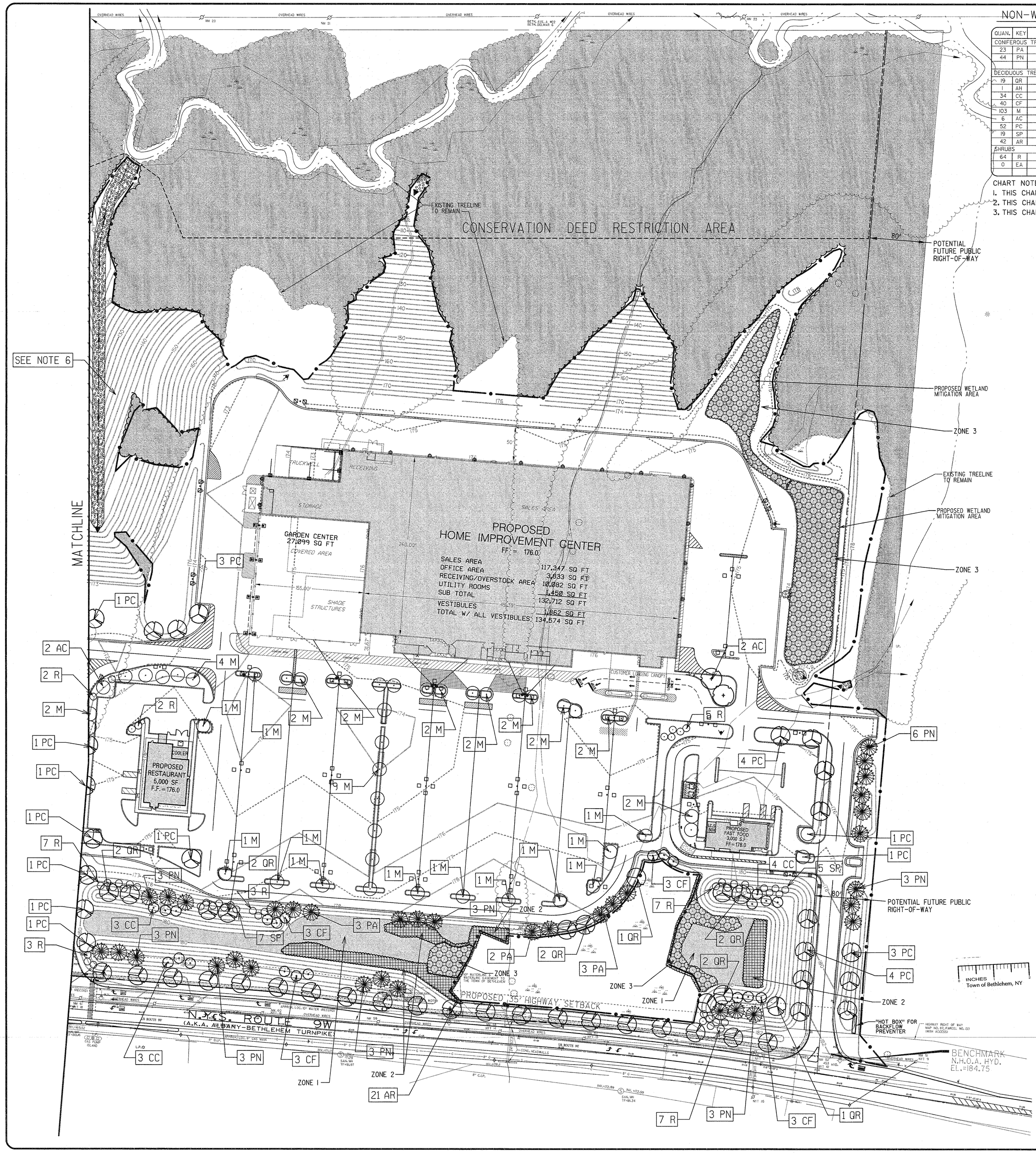

NON-WETLAND PLANT MATERIAL LIST

QUAN.	KEY	LATIN NAME	COMMON NAME	CAL.	ROOT	SPREAD OR HEIGHT
CONIFEROUS TREES						
23	PA	PICEA ABIES	NORWAY SPRUCE		B&B	9-10'
44	PN	PINUS NIGRA	AUSTRIAN PINE		B&B	9-10'
DECIDUOUS TREES						
19	QR	QUERCUS RUBRA	NORTHERN RED OAK	3"	B&B	
1	AH	AESCULUS HIPPOCASTANUM	EUROPEAN HORSECHESTNUT	3"	B&B	
34	CC	CERCIS CANADENSIS	REDBUD	2.5"	B&B	
40	CF	CORNUS FLORIDA	FLOWERING DOGWOOD	2.5"	B&B	
103	M	MALUS 'SENTINEL'	SENTINEL CRAB	2.5"	B&B	MATCHED FORM
6	AC	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	2.5"	B&B	
52	PC	PYRUS CALLERYANA 'VALZAM'	VALZAM PEAR	2.5"	B&B	
19	SP	SYRINGA PATULA	LILAC 'MISS KIM'	2.5"	B&B	
42	AR	ACER RUBRUM	RED MAPLE	2.5-3"	B&B	
SHRUBS						
64	R	PJM RHODODENDRON	RHODODENDRON		B&B	36-48"
0	EA	EUONYMOUS ALATUS	BURNING BUSH		B&B	36-48"

CHART NOTES:
1. THIS CHART INDICATES PLANTINGS ON BOTH LANDSCAPE SHEETS FOR ALL PHASES.
2. THIS CHART DOES NOT INCLUDE SAPLINGS IN THE STEEP SLOPE AREAS.
3. THIS CHART DOES NOT INCLUDE WETLAND PLANTINGS.

NOTES:
1. ALL AREAS NOT WITHIN ROADWAYS, PARKING, PAVEMENT OR BUILDINGS ARE GRASSED UNLESS OTHERWISE STATED.
2. CONTRACTOR SHALL HAVE LIMITS OF FIELD CLEARING FLAGGED BY SURVEYOR PRIOR TO SITE CLEARING. FLAGS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION BY CONTRACTOR.
3. ALL PLANT MATERIAL IS TO BE PLANTED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN.
4. ALL PLANT MATERIAL SIZES INDICATED ABOVE ARE MINIMUM SIZE AT TIME OF PLANTING.
5. IN THE EVENT OF ANY CONFLICT BETWEEN THE QUANTITIES SHOWN ABOVE AND THAT SHOWN ON THE DRAWINGS, THE DRAWINGS SHALL CONTROL.
6. CONTRACTOR SHALL PLANT SAPLINGS OF THE FOLLOWING VARIETIES IN THE STEEP SLOPE AREAS:
   - PINUS STROBUS - WHITE PINE
   - QUERLUS RUBRA - NORTHERN RED OAK
   - ACER SACCHARUM - SUGAR MAPLE
   - ACER RUBRUM - RED MAPLE
   - FRAXINUS AMERICANA - WHITE ASH

   SAPLINGS TO BE PLANTED AT A RATE OF 1 PER 250 S.F.

FEET 0 50 100 150 FEET
SCALE BAR

LANDSCAPING LEGEND

SYMBOL	DESCRIPTION
	PROPOSED TREE LINE
	EXISTING TREE LINE
	PROPOSED DECIDUOUS TREES
	PROPOSED CONIFEROUS TREE
	PROPOSED SHRUB PLANTINGS
	PROPOSED LIGHT POLES
	MIXED HARDWOOD AREAS TO REMAIN
	CLEARING AND GRADING LIMIT LINE
	EXISTING WETLAND
	PROPOSED SWALE LINE
	PROPOSED WETLAND LIMIT LINE
	PROPOSED WETLAND PLANTING MITIGATION - ZONE 1- EMERGENT WETLAND
	PROPOSED WETLAND PLANTING MITIGATION - ZONE 2 - SHRUB/SCRUB AREA
	PROPOSED WETLAND PLANTING MITIGATION - ZONE 3 - TREE SAPLING AREA

WETLAND MITIGATION PLANT MATERIAL LIST

Bethlehem Town Center
Wetland Mitigation Plant Materials Table

	Latin Name	Common Name	Cowardin Class.	Wetland Indicator Status	Size	Condition	Quantity
ZONE 1 - EMERGENT WETLAND	Andropogon glomeratus	Lowland Broomsedge	PEM1B, C	FACW+	N/A	SEED (PLS)	14 lbs.
	Andropogon virginicus	Broom Sedge	PEM1B, C	FACW-	N/A	SEED (PLS)	14 lbs.
	Agrostis stolo	Redtop	PEM1B, C	FACW	N/A	SEED (PLS)	14 lbs.
	Carex comosa	bottlebrush Sedge	PEM1A, B, C, F	OBL	N/A	SEED (PLS)	14 lbs.
	Calamagrostis canadensis	Reed Grass	PEM1B	FACW+	N/A	SEED (PLS)	14 lbs.
	Carex pellorpha	Ticketfruit	PEM1B	OBL	N/A	SEED (PLS)	14 lbs.
	Cyperus esculentus	Yellow Nutsedge	PEM1A	FACW+	N/A	SEED (PLS)	14 lbs.
	Lobelia cardinalis	Cardinal Flower	PEM1B	FACW+	N/A	SEED (PLS)	14 lbs.
	Scirpus cyperinus	Wool Grass	PEM1B	FACW+	N/A	SEED (PLS)	14 lbs.
	Scirpus validus	Soft Stem Bulrush	PEM1B	OBL	N/A	SEED (PLS)	14 lbs.
						Sub-Total	140 lbs

NOTE: Hydroseed Zone 1 ground plane with rate of ±10 lbs pure live seed (PLS)/5000 s.f. Winter rye may be added for erosion control if fall planting. Lightly mulch with clean, weed-free straw. Do not seed under inundated conditions.

Bethlehem Town Center
Wetland Mitigation Plant Materials Table

	Latin Name	Common Name	Cowardin Class.	Wetland Indicator Status	Size	Condition	Quantity
ZONE 2 - SHRUB/SCRUB WETLAND	Alnus serrulata	Smooth Alder	PSS1C	OBL	24" - 36" HT.	CONTAINER	31
	Aronia arbutifolia	Red Chokeberry	PSS1B	FACW	24" - 36" HT.	CONTAINER	31
	Cephlanthus occidentalis	Buttonbush	PSS1C	OBL	24" - 36" HT.	CONTAINER	31
	Cornus amomum	Silky Dogwood	PSS1C	FACW	24" - 36" HT.	CONTAINER	31
	Cornus sericea	Red Osier Dogwood	PSS1A	FACW+	24" - 36" HT.	CONTAINER	31
	Ilex verticillata	Winterberry	PSS1C	FACW+	24" - 36" HT.	CONTAINER	31
	Lecoothoe racemosa	Fetterbush	PSS3B	FACW	24" - 36" HT.	CONTAINER	31
	Lindera benzoin	Common Spicebush	PSS3B	FACW	24" - 36" HT.	CONTAINER	31
	Rhododendron viscosum	Swamp Azalea	PSS6	OBL	24" - 36" HT.	CONTAINER	31
	Sambucus canadensis	Elderberry	PSS1A	FACW+	24" - 36" HT.	CONTAINER	31
						Sub-Total	310

NOTE: Hydroseed Zone 2 ground plane at rate of ±10 lbs PLS/5000 s.f. (Total = 44 lbs) with "New England Wetros" wetland seed mix consisting of Alisma plantago-aquatica (Water Plantain), Acorus americanus (Flat top Aster), Bidens cernua (Nodding Bur-marigold), Carex comosa (Bearded Sedge), Carex crinita (Fringed Sedge), Carex lupulina (Hop Sedge), Carex retrorsa (Fox Sedge), Eupatorium maculatum (Spotted Joe-pye Weed), Eupatorium perfoliatum (Boneset), Juncus effusus (Soft Rush), Scirpus atrocin (Hard-stem Bulrush), Scirpus cyperinus (Wool-grass), Scirpus tabernaemontani (Softstem Bulrush), Pontederia cordata (Pickerelweed), and Verbena hastata (Blue Vervain). Winter rye may be added for if fall planting. Lightly mulch with clean, weed free straw. Do not seed under inundated conditions.

Bethlehem Town Center
Wetland Mitigation Plant Materials Table

	Latin Name	Common Name	Cowardin Class.	Wetland Indicator Status	Size	Condition	Quantity
ZONE 3 - FORESTED WETLAND	Acer saccharinum	Silver Maple	PFO1A	FACW	4' - 5' HT.	CONTAINER	52
	Betula nigra	River Birch	PFO1A, B, C	FACW	4' - 5' HT.	CONTAINER	52
	Fraxinus pennsylvanica	Green Ash	PFO1A, B, C	FACW	4' - 5' HT.	CONTAINER	52
	Quercus bicolor	Swamp White Oak	PFO1A, B, C	FACW+	4' - 5' HT.	CONTAINER	52
	Quercus palustris	Pin Oak	PFO1A	FACW	4' - 5' HT.	CONTAINER	52
	Salix nigra	Black Willow	PFO1A, C, F	FACW+	4' - 5' HT.	CONTAINER	52
	Salix sericea	Silky Willow	PFO1B, C	OBL	4' - 5' HT.	CONTAINER	52
						Sub-total	364

NOTE: Hydroseed Zone 3 ground plane at rate of ±10 lbs PLS/5000 s.f. (Total = 72 lbs) with "New England Wetros" wetland seed mix consisting of Alisma plantago-aquatica (Water Plantain), Acorus americanus (Flat top Aster), Bidens cernua (Nodding Bur-marigold), Carex comosa (Bearded Sedge), Carex crinita (Fringed Sedge), Carex lupulina (Hop Sedge), Carex retrorsa (Fox Sedge), Eupatorium maculatum (Spotted Joe-pye Weed), Eupatorium perfoliatum (Boneset), Juncus effusus (Soft Rush), Scirpus atrocin (Hard-stem Bulrush), Scirpus cyperinus (Wool-grass), Scirpus tabernaemontani (Softstem Bulrush), Pontederia cordata (Pickerelweed), and Verbena hastata (Blue Vervain). Winter rye may be added for if fall planting. Lightly mulch with clean, weed free straw. Do not seed under inundated conditions.

NOTE:
SEE NYSDOT HIGHWAY PLANS PREPARED BY SEAR-BROWN FOR ALL WORK WITHIN ALL RIGHT-OF-WAYS.

NO.	REVISIONS	DATE	BY
6	VARIOUS PER H.L.C. BLDG., REST., (SLOS)	11/29/01	PEB
5	VARIOUS PER TOWN	10/29/01	PEB
4	VARIOUS PER TOWN	10/04/01	PEB
3	VARIOUS PER NORTH RETAIL CHANGE	8/22/01	PEB
2	VARIOUS PER TOWN&UTILITIES,GRADING	8/07/01	PEB
1	VARIOUS PER TOWN 6/1/01COMMENTS	6/25/01	PEB
0			

17 VARIOUS PER COND. APPR. 3/19/03 PEB
16 VARIOUS PER COND. APPR. 2/11/03 PEB
15 VARIOUS PER COND. APPR. 2/06/02 PEB
14 NORTH BLDG. LANDLOCKED ZONE 3 11/26/01 PEB
13 PHASING AND LOT DIVISION PLANS 8/14/02 PEB
12 PHASING PLANS PER TOWN COMM. 7/23/02 PEB
11 PHASING AND LOT DIVISION PLANS 7/15/02 PEB
10 PHASING AND LOT DIVISION PLANS 6/18/02 PEB
9 VAR. PER 1/11/02 TOWN COM.LETTER 2/28/02 PEB
8 VAR. PER TOWN, PROFILE SHTS. ADDED 1/10/02 PEB
WATERLINE NORTHSIDE TO 10"
7 VAR. PER TOWN,TENANTS; WETLAND G 12/3/01 PEB

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PROJECT ENGINEER/ARCHITECT: L. MERWIN
PROJECT MANAGER: F. FALUMBO
DRAWN BY: P. BALASCO
SCALE: 1" = 50'
FIRST ISSUE DATE: 5/24/2001
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PROJECT: BETHLEHEM TOWN CENTER
GLENMONT, NEW YORK
NIGRO COMPANIES

TITLE OF DRAWING: LANDSCAPING PLAN

PROJECT NO. 16046
DRAWING NO. SE 12