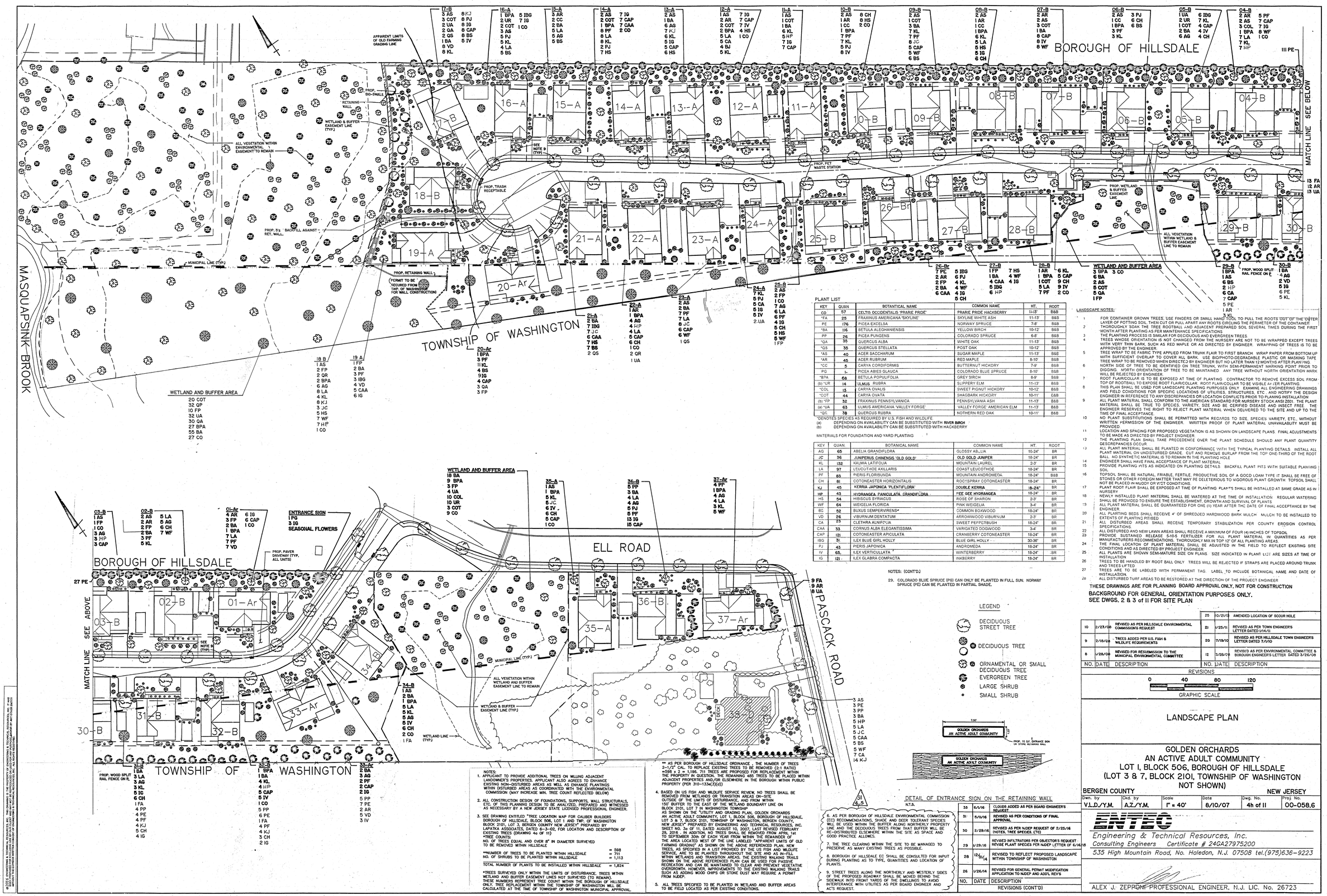

PLANT LIST

KEY	QUAN.	BOTANICAL NAME	COMMON NAME	HT.	ROOT
CO	57	CELTIS OCCIDENTALIS 'PRAIRIE PRIDE'	PRAIRIE PRIDE HACKBERRY	11-13'	B&B
*FA	25	FRAXINUS AMERICANA 'SKYLINE'	SKYLINE WHITE ASH	11-13'	B&B
PE	176	PICEA EXCELSA	NORWAY SPRUCE	7-8'	B&B
*BA	116	BETULA ALEGHANIENSIS	YELLOW BIRCH	10-12'	B&B
PP	26	PICEA PUNGENS	COLORADO SPRUCE	6-8'	B&B
*QA	35	QUERCUS ALBA	WHITE OAK	11-13'	B&B
*QS	35	QUERCUS STELLATA	POST OAK	10-12'	B&B
*AS	40	ACER SACCHARUM	SUGAR MAPLE	11-13'	B&B
*AR	45	ACER RUBRUM	RED MAPLE	8-10'	B&B
*CC	5	CARYA CORDIFORMIS	BUTTERNUT HICKORY	7-9'	B&B
PG	L	PICEA ABIES GLAUCA	COLORADO BLUE SPRUCE	8-10'	B&B
*BPA	68	BETULA POPULIFOLIA	GREY BIRCH	8-9'	B&B
(b) *UR	14	ULMUS RUBRA	SLIPPERY ELM	11-13'	B&B
*COL	15	CARYA OVALIS	SWEET PIGNUT HICKORY	10-12'	B&B
*COT	44	CARYA OVATA	SHAGBARK HICKORY	10-11'	B&B
(b) *FP	32	FRAXINUS PENNSYLVANICA	PENNSYLVANIA ASH	11-13'	B&B
(a) *UA	63	ULMUS AMERICANA 'VALLEY FORGE'	AMERICAN ELM	11-13'	B&B
*QC	38	QUERCUS RUBRA	NOTHERN RED OAK	10-11'	B&B

*DENOTES SPECIES AS REQUIRED BY U.S. FISH AND WILDLIFE.
(a) DEPENDING ON AVAILABILITY CAN BE SUBSTITUTED WITH **RIVER BIRCH**
(b) DEPENDING ON AVAILABILITY CAN BE SUBSTITUTED WITH HACKBERRY

MATERIALS FOR FOUNDATION AND YARD PLANTING

KEY	QUAN.	BOTANICAL NAME	COMMON NAME	HT.	ROOT
AG	65	ABELIA GRANDIFLORA	GLOSSY ABELIA	15-24"	BR
JC	36	JUNIPERUS CHINENSIS 'OLD GOLD'	OLD GOLD JUNIPER	18-24"	BR
KL	132	KALMIA LATIFOLIA	MOUNTAIN LAUREL	2-3'	BR
LA	97	LEUCOTHOE AXILLARIS	COAST LEUCOTHOE	18-24"	BR
PF	83	PIERIS FLORIBUNDA	MOUNTAIN ANDROMEDA	18-24"	B&B
CH	81	COTONEASTER HORIZONTALIS	ROCKSPRAY COTONEASTER	18-24"	BR
KJ	45	KERRIA JAPONICA 'PLENTIFLORA'	DOUBLE KERRIA	18-24"	BR
HP	43	HYDRANGEA PANICULATA 'GRANDIFLORA'	PEE GEE HYDRANGEA	18-24"	BR
HS	54	HIBISCUS SYRIACUS	ROSE OF SHARON	2-3'	BR
WF	64	WEIGELIA FLORICA	PINK WEIGELIA	3-4'	BR
BD	52	BUXUS SEMPERVIRENS*	COMMON BOXWOOD	18-24"	BR
VD	26	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	2-3'	BR
CA	23	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	18-24"	BR
CAA	33	CORNUS ALBA ELEGANTISSIMA	VARIGATED DOGWOOD	3-4'	BR
CAP	101	COTONEASTER APICULATA	CRANBERRY COTONEASTER	18-24"	BR
IBG	31	ILEX BLUE GIRL HOLLY	BLUE GIRL HOLLY	30-36"	BR
PJ	43	PIERIS JAPONICA	ANDROMEDA	18-24"	BR
IV	65	ILEX VERTICULLATA	WINTERBERRY	18-24"	BR
IG	121	ILEX GLABRA COMPACTA	INKBERRY	18-24"	BR

NOTES: (CONT'D)

29. COLORADO BLUE SPRUCE (PG) CAN ONLY BE PLANTED IN FULL SUN. NORWAY SPRUCE (PE) CAN BE PLANTED IN PARTIAL SHADE.

LEGEND

- DECIDUOUS STREET TREE
- DECIDUOUS TREE
- ORNAMENTAL OR SMALL DECIDUOUS TREE
- EVERGREEN TREE
- LARGE SHRUB
- SMALL SHRUB

DETAIL OF ENTRANCE SIGN ON THE RETAINING WALL
N.T.S.

LANDSCAPE NOTES:

1. FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOL TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL. THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER. THOROUGHLY SOAK THE TREE ROOTBALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AS PER MAINTENANCE SPECIFICATIONS.
2. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
3. TREES WHOSE ORIENTATION IS NOT CHANGED FROM THE NURSERY ARE NOT TO BE WRAPPED EXCEPT TREES WITH VERY THIN BARK, SUCH AS RED MAPLE OR AS DIRECTED BY ENGINEER. WRAPPING OF TREES IS TO BE APPROVED BY THE ENGINEER.
4. TREE WRAP TO BE FABRIC TYPE APPLIED FROM TRUNK FLAIR TO FIRST BRANCH. WRAP PAPER FROM BOTTOM UP WITH SUFFICIENT OVERLAP TO COVER ALL BARK. USE BIOPHOTO-DEGRADABLE PLASTIC OR MASKING TAPE. TREE WRAP TO BE REMOVED WHEN DIRECTED BY ENGINEER BUT NO LATER THAN 12 MONTHS AFTER PLANTING.
5. NORTH SIDE OF TREE TO BE IDENTIFIED ON TREE TRUNK WITH SEMI-PERMANENT MARKING POINT PRIOR TO DIGGING. NORTH ORIENTATION OF TREE TO BE MAINTAINED. ANY TREE WITHOUT NORTH ORIENTATION MARK WILL BE REJECTED BY ENGINEER.
6. ROOT FLAIR/COLLAR IS TO BE EXPOSED AT TIME OF PLANTING. CONTRACTOR TO REMOVE EXCESS SOIL FROM TOP OF ROOTBALL TO EXPOSE ROOT FLAIR/COLLAR. ROOT FLAIR/COLLAR TO BE VISIBLE AFTER PLANTING.
7. THIS PLAN SHALL BE USED FOR LANDSCAPE PLANTING PURPOSES ONLY. EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR SPECIFIC LOCATIONS OF UTILITIES, STRUCTURES, ETC., AND NOTIFY THE DESIGN ENGINEER IN REFERENCE TO ANY DISCREPANCIES OR LOCATION CONFLICTS PRIOR TO PLANNING INSTALLATION.
8. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z601. THE PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY, SIZE AND BE DISEASE AND INSECT FREE. THE ENGINEER RESERVES THE RIGHT TO REJECT PLANT MATERIAL WHEN DELIVERED TO THE SITE AND UP TO THE TIME OF FINAL ACCEPTANCE.
9. NO PLANT SUBSTITUTIONS SHALL BE PERMITTED WITH REGARDS TO SIZE, SPECIES VARIETY, ETC., WITHOUT WRITTEN PERMISSION OF THE ENGINEER. WRITTEN PROOF OF PLANT MATERIAL UNAVAILABILITY MUST BE PROVIDED.
10. LOCATION AND SPACING FOR PROPOSED VEGETATION IS AS SHOWN ON LANDSCAPE PLANS. FINAL ADJUSTMENTS TO BE MADE AS DIRECTED BY PROJECT ENGINEER.
11. THE PLANTING PLAN SHALL TAKE PRECEDENCE OVER THE PLANT SCHEDULE SHOULD ANY PLANT QUANTITY DESCREPANCIES OCCUR.
12. ALL PLANT MATERIAL SHALL BE PLANTED IN CONFORMANCE WITH THE TYPICAL PLANTING DETAILS. INSTALL ALL PLANT MATERIAL ON UNDISTURBED GRADE. CUT AND REMOVE BURLAP FROM THE TOP ONE-THIRD OF THE ROOT BALL. NO SYNTHETIC MATERIAL IS TO REMAIN IN THE PLANTING HOLE.
13. ENGINEER SHALL HAVE FINAL ACCEPTANCE OF PLANT MATERIAL.
14. PROVIDE PLANTING PITS AS INDICATED ON PLANTING DETAILS. BACKFILL PLANT PITS WITH SUITABLE PLANTING SOIL.
15. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, PRODUCTIVE SOIL OF A GOOD LOAM TYPE IT SHALL BE FREE OF STONES OR OTHER FOREIGN MATTER THAT MAY RE DELETERIOUS TO VIGOROUS PLANT GROWTH. TOPSOIL SHALL NOT BE PLACED IN MUDDY OR WET CONDITIONS.
16. PLANT ROOT FLAIR SHALL BE EXPOSED AT TIME OF PLANTING. PLANTS SHALL BE INSTALLED AT SAME GRADE AS IN NURSERY.
17. NEWLY INSTALLED PLANT MATERIAL SHALL BE WATERED AT THE TIME OF INSTALLATION. REGULAR WATERING SHALL BE PROVIDED TO ENSURE THE ESTABLISHMENT, GROWTH AND SURVIVAL OF PLANTS.
18. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY THE ENGINEER.
19. ALL PLANTING BEDS SHALL RECEIVE 4" OF SHREDDED HARDWOOD BARK MULCH. MULCH TO BE INSTALLED TO EXTENTS OF PLANTING PATTERN.
20. ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY STABILIZATION PER COUNTY EROSION CONTROL SPECIFICATIONS.
21. ALL DISTURBED AND NEW LAWN AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL.
22. PROVIDE SUSTAINED RELEASE 5-10-5 FERTILIZER FOR ALL PLANT MATERIAL IN QUANTITIES AS PER MANUFACTURERS RECOMMENDATIONS. THOROUGHLY MIX IN TOP 12" OF ALL PLANTING AREAS.
23. THE FINAL LOCATION OF PLANT MATERIAL SHALL BE ADJUSTED IN THE FIELD TO REFLECT EXISTING SITE CONDITIONS AND AS DIRECTED BY PROJECT ENGINEER.
24. ALL PLANTS ARE SHOWN SEMI-MATURE SIZE ON PLANS. SIZE INDICATED IN PLANT LIST ARE SIZES AT TIME OF INSTALLATION.
25. TREES TO BE HANDLED BY ROOT BALL ONLY. TREES WILL BE REJECTED IF STRAPS ARE PLACED AROUND TRUNK AND TREES LIFTED.
26. TREES ARE TO BE LABELED WITH PERMANENT TAG. LABEL TO INCLUDE BOTANICAL NAME AND DATE OF INSTALLATION.
27. ALL DISTURBED TURF AREAS TO BE RESTORED AT THE DIRECTION OF THE PROJECT ENGINEER.

THESE DRAWINGS ARE FOR PLANNING BOARD APPROVAL ONLY, NOT FOR CONSTRUCTION

BACKGROUND FOR GENERAL ORIENTATION PURPOSES ONLY.
SEE DWGS. 2 & 3 of 11 FOR SITE PLAN

NOTES:

1. APPLICANT TO PROVIDE ADDITIONAL TREES ON WILLING ADJACENT LANDOWNER'S PROPERTIES. APPLICANT ALSO AGREES TO ENHANCE EXISTING NON-DISTURBED AREAS AS WELL AS ENHANCE PLANTINGS WITHIN DISTURBED AREAS AS COORDINATED WITH THE ENVIRONMENTAL COMMISSION (MAY INCREASE MIN. TREE COUNT REFLECTED BELOW).
2. ALL CONSTRUCTION DESIGN OF FOUNDATIONS, SUPPORTS, WALL STRUCTURALS, ETC. OF THIS PLANNING DESIGN TO BE ANALYZED, PREPARED AND WITNESSED AS NECESSARY BY A NEW JERSEY STATE LICENSED PROFESSIONAL ENGINEER.
3. SEE DRAWING ENTITLED "TREE LOCATION MAP FOR CALIBER BUILDERS BOROUGH OF HILLSDALE, BLOCK 506, LOT 1 AND TWP. OF WASHINGTON BLOCK 2101, LOT 3, BERGEN COUNTY NEW JERSEY" PREPARED BY LAPATKA ASSOCIATES, DATED 6-3-02, FOR LOCATION AND DESCRIPTION OF EXISTING TREES (DRAWING 4a OF 11).

*TREE COUNTS:	
NO. OF TREES EQUAL AND OVER 8" IN DIAMETER SURVEYED TO BE REMOVED WITHIN HILLSDALE	= 598
**NUMBER OF TREES TO BE PLANTED WITHIN HILLSDALE	= 711
NO. OF SHRUBS TO BE PLANTED WITHIN HILLSDALE	= 1,113
TOTAL NUMBER OF PLANTS TO BE INSTALLED WITHIN HILLSDALE	= 1,824

*TREES SURVEYED ONLY WITHIN THE LIMITS OF DISTURBANCE. TREES WITHIN WETLAND AND BUFFER EASEMENT LINES NOT SURVEYED (TO REMAIN). THESE NUMBERS REPRESENT TREE COUNT WITHIN THE BOROUGH OF HILLSDALE ONLY. TREE REPLACEMENT WITHIN THE TOWNSHIP OF WASHINGTON WILL BE CALCULATED AT THE TIME OF TOWNSHIP OF WASHINGTON MUNICIPAL APPROVAL.

** AS PER BOROUGH OF HILLSDALE ORDINANCE, THE NUMBER OF TREES 2-1/2" CAL. TO REPLACE EXISTING TREES BE REMOVED (2:1 RATIO) =598 X 2 = 1,196. 711 TREES ARE PROPOSED FOR REPLACEMENT WITHIN THE PROPERTY IN QUESTION. THE REMAINING 485 TREES TO BE PLACED WITHIN ADJACENT PROPERTIES AND/OR ELSEWHERE IN THE BOROUGH WITHIN PUBLIC PROPERTY (PER 310-133e(3)(d)).

4. BASED ON US FISH AND WILDLIFE SERVICE REVIEW, NO TREES SHALL BE REMOVED FROM WETLANDS OR TRANSITION AREAS ON-SITE OUTSIDE OF THE LIMITS OF DISTURBANCE, AND FROM WITHIN 150' BUFFER TO THE EAST OF THE WETLAND BOUNDARY LINE ON BLOCK 2101, LOT 7 IN WASHINGTON TOWNSHIP AS SHOWN ON THE "UTILITY AND GRADING PLAN, GOLDEN ORCHARDS AN ACTIVE ADULT COMMUNITY, LOT 1, BLOCK 506, BOROUGH OF HILLSDALE, LOT 3 & 7, BLOCK 2101, TOWNSHIP OF WASHINGTON, BERGEN COUNTY, NEW JERSEY" PREPARED BY ENGINEERING AND TECHNICAL RESOURCES, INC. SHEET NO. 3o OF 11, DATED AUGUST 10, 2007, LAST REVISED FEBRUARY 28, 2016. IN ADDITION, NO TREES SHALL BE REMOVED FROM APRIL 1st TO SEPTEMBER 30th OF EACH YEAR FROM WITHIN THE REMAINDER OF THE AREA LOCATED WEST OF THE LINE LABELED "APPARENT LIMITS OF OLD FARMING GRADING" AS SHOWN ON THE ABOVE REFERENCED PLAN. NEW TREES, AS SPECIFIED IN A LIST PROVIDED BY THE US FISH AND WILDLIFE SERVICE, ARE TO BE PLANTED THROUGHOUT THE SITE AND AS IN-FILL WITHIN WETLANDS AND TRANSITION AREAS. THE EXISTING WALKING TRAILS SHOWN ON THE ABOVE REFERENCED PLAN CAN BE USED FOR PASSIVE RECREATION AND CAN BE MAINTAINED TO CLEAR AND PREVENT VEGETATIVE OVERGROWTH. HOWEVER, IMPROVEMENTS TO THE EXISTING WALKING TRAILS SUCH AS ADDING WOOD CHIPS OR STONE DUST MAY REQUIRE A PERMIT FROM NJDEP.
5. ALL TREES SPECIFIED TO BE PLANTED IN WETLAND AND BUFFER AREAS TO BE FIELD LOCATED AS PER EXISTING CONDITIONS.
6. AS PER BOROUGH OF HILLSDALE ENVIRONMENTAL COMMISSION (EC) RECOMMENDATIONS, SHADE AND DEER TOLERANT SPECIES WILL BE USED WITHIN THE BUFFER ALONG NORTHERLY PROPERTY LINE AND THE DECIDUOUS TREES FROM THAT BUFFER WILL BE RE-DISTRIBUTED ELSEWHERE WITHIN THE SITE AS SPACE AND GOOD PRACTICE ALLOWS.
7. THE TREE CLEARING WITHIN THE SITE TO BE MANAGED TO PRESERVE AS MANY EXISTING TREES AS POSSIBLE.
8. BOROUGH OF HILLSDALE EC SHALL BE CONSULTED FOR INPUT DURING PLANTING AS TO TYPE, QUANTITIES AND LOCATION OF PLANTS.
9. STREET TREES ALONG THE NORTHERLY AND WESTERLY SIDES OF THE PROPOSED ROADWAY SHALL BE MOVED BEHIND THE SIDEWALK INTO FRONT YARDS OF THE DWELLINGS TO AVOID INTERFERANCE WITH UTILITIES AS PER BOARD ENGINEER AND AC'S REQUEST.

NO.	DATE	DESCRIPTION
33	6/1/16	CLOUDS ADDED AS PER BOARD ENGINEER'S REQUEST
31	5/11/16	REVISED AS PER CONDITIONS OF FINAL APPROVAL
30	2/29/16	REVISED AS PER NJDEP REQUEST OF 2/25/16 (NOTES, TREE SPECIES, ETC.)
29	1/29/16	REVISED INFILTRATORS PER OBJECTOR'S REQUEST. REVISE PLANT SPECIES PER NJDEP LETTER OF 6/16/15
28	12/31/14	REVISED TO REFLECT PROPOSED LANDSCAPE WITHIN TOWNSHIP OF WASHINGTON
26	1/26/14	REVISED FOR GENERAL PERMIT MODIFICATION APPLICATION TO NJDEP AND ADDL REVS

REVISIONS (CONT'D)

NO.	DATE	DESCRIPTION
25	10/21/13	AMENDED LOCATION OF SCOUR HOLE
21	1/25/11	REVISED AS PER TOWN ENGINEER'S LETTER DATED 1/14/11
20	7/19/10	REVISED AS PER HILLSDALE TOWN ENGINEER'S LETTER DATED 7/1/10
12	3/26/08	REVISED AS PER ENVIRONMENTAL COMMITTEE & BOROUGH ENGINEER'S LETTER DATED 3/26/08
10	2/27/08	REVISED AS PER HILLSDALE ENVIRONMENTAL COMMISSIONS REQUEST
9	2/15/08	TREES ADDED PER U.S. FISH & WILDLIFE REQUIREMENTS
8	1/28/08	REVISED FOR RESUBMISSION TO THE MUNICIPAL ENVIRONMENTAL COMMITTEE

REVISIONS

0 40 80 120
GRAPHIC SCALE

LANDSCAPE PLAN

GOLDEN ORCHARDS
AN ACTIVE ADULT COMMUNITY
LOT 1, BLOCK 506, BOROUGH OF HILLSDALE
(LOT 3 & 7, BLOCK 2101, TOWNSHIP OF WASHINGTON NOT SHOWN)

BERGEN COUNTY NEW JERSEY

Dwn. by	Ckd. by	Scale	Date	Dwg. No.	Proj. No.
V.L.D./Y.M.	A.Z./Y.M.	1" = 40'	8/10/07	4h of 11	00-058.6

ENTEC
Engineering & Technical Resources, Inc.
Consulting Engineers Certificate # 24GA27975200
535 High Mountain Road, No. Haledon, N.J. 07508 tel.(973)636-9223

ALEX J. ZEPPONI PROFESSIONAL ENGINEER, N.J. LIC. No. 26723

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