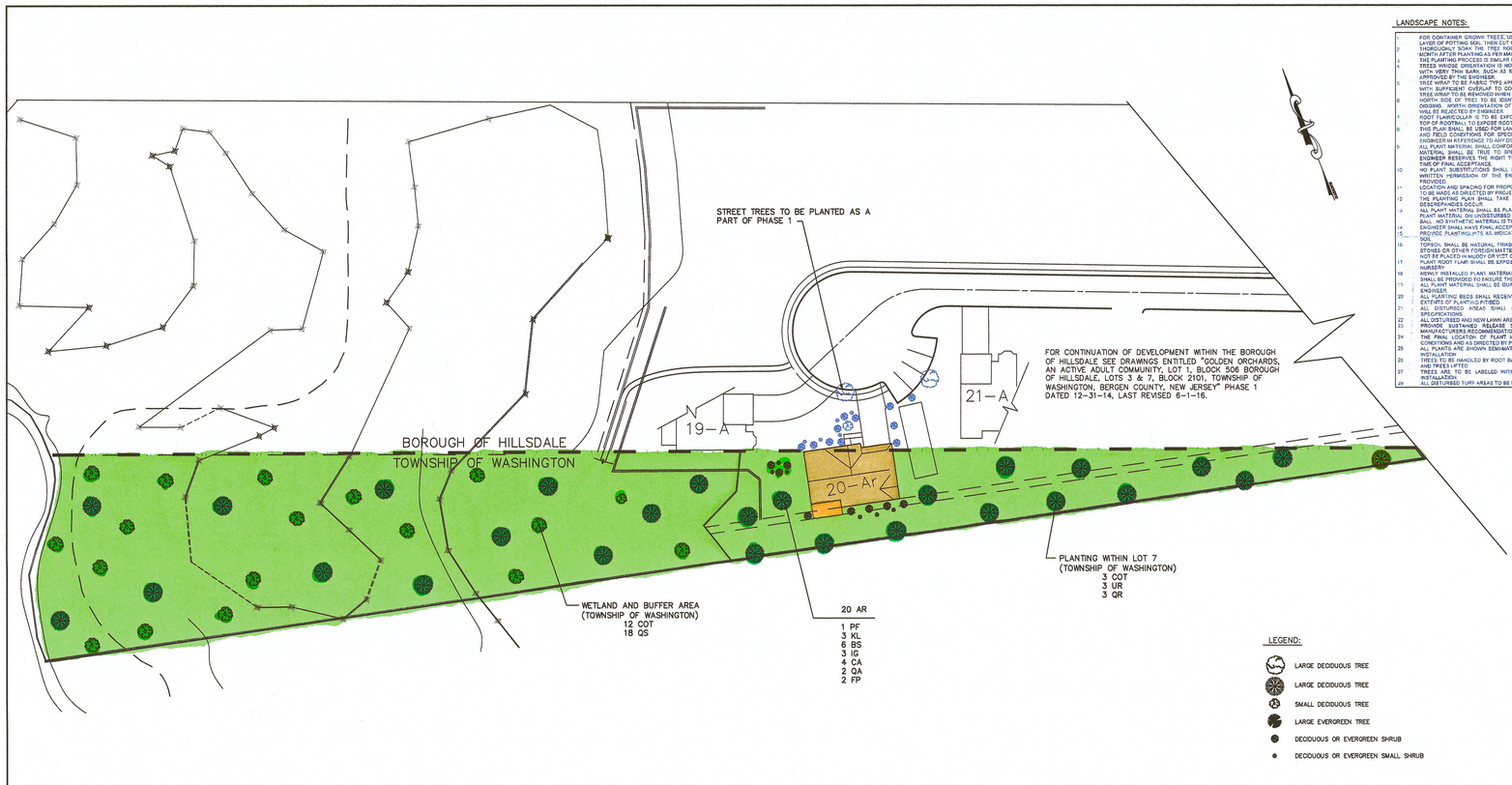


LANDSCAPE NOTES:

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. TREE WRAPPING SHALL BE PERMITTED ON 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 BIODEGRADABLE TWINE TO SECURE WRAP IN PLACE.
5. TREE WRAP TO BE REMOVED WHEN DIRECTED BY ENGINEER BUT NO LATER THAN 12 MONTHS AFTER PLANTING.
6. TREE WRAP TO BE REMOVED WHEN DIRECTED BY ENGINEER BUT NO LATER THAN 12 MONTHS AFTER PLANTING. PERMANENT MARKING POINT PRIOR TO DIGGING. NORTH ORIENTATION OF TREE TO BE MAINTAINED. ANY TREE WITHOUT NORTH ORIENTATION MARK WILL BE REJECTED BY ENGINEER.
7. ROOT FLARE/COLLAR IS TO BE EXPOSED AT TIME OF PLANTING. CONTRACTOR TO REMOVE EXCESS SOIL FROM TOP OF ROOTBALL TO EXPOSE ROOT FLARE/COLLAR. ROOT FLARE/COLLAR TO BE VISIBLE AFTER PLANTING.
8. THIS PLAN SHALL BE USED FOR LOCATIONS OF UTILITIES. CONTRACTOR SHALL REVIEW ALL PLAN DRAWINGS AND FIELD CONFIRM ALL SPECIFIC LOCATIONS OF UTILITIES, STRUCTURES, ETC., AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY WITH REFERENCE TO ANY DISCREPANCIES OR LOCATION CONFLICTS PRIOR TO PLANTING INSTALLATION.
9. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60. THE PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY, SIZE AND BE CERTIFIED 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.
10. 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.
11. LOCATION AND SPACING FOR PROPOSED VEGETATION IS AS SHOWN ON LANDSCAPE PLANS. FINAL ADJUSTMENTS TO BE MADE AS DIRECTED BY PROJECT ENGINEER.
12. THE PLANTING PLAN SHALL TAKE PRECEDENCE OVER THE PLANT SCHEDULE SHOULD ANY PLANT QUANTITY DESCREPANCIES OCCUR.
13. ALL PLANT MATERIAL SHALL BE PLANTED IN CONFORMANCE WITH THE TYPICAL PLANTING DETAILS. INSTALL ALL PLANTS IN THE UNDISTURBED GRADE. CUT AND REMOVE BURLAP FROM THE TOP ONE-THIRD OF THE ROOT BALL. NO SYNTHETIC MATERIAL IS TO REMAIN BY THE PLANTING HOLE.
14. ENGINEER SHALL HAVE FINAL ACCEPTANCE OF PLANT MATERIAL.
15. PROVIDE PLANTING PITS AS INDICATED ON PLANTING DETAILS. BACKFILL PLANT PITS WITH SUITABLE PLANTING SOIL.
16. 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 BE DELETERIOUS TO VIGOROUS PLANT GROWTH. TOPSOIL SHALL NOT BE PLACED IN MUDDY OR WET CONDITIONS.
17. PLANT ROOT FLARE SHALL BE EXPOSED AT TIME OF PLANTING. PLANTS SHALL BE INSTALLED AT SAME GRADE AS IN NURSERY.
18. 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.
19. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE (1) YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY THE ENGINEER.
20. ALL PLANTING BEDS SHALL RECEIVE 4" OF SHREDDED HARDWOOD BARK MULCH. MULCH TO BE INSTALLED TO THE TIPS OF PLANTING PITS.
21. ALL DISTURBED AREAS SHALL RECEIVE TEMPORARY STABILIZATION PER COUNTY EROSION CONTROL SPECIFICATIONS.
22. ALL DISTURBED AND NEW LAWN AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL.
23. PROVIDE SUSTAINED RELEASE 5-10-5 FERTILIZER FOR ALL PLANT MATERIAL IN QUANTITIES AS PER MANUFACTURER'S RECOMMENDATIONS. PLACE FERTILIZER TABS AT TOP 1/3 OF ALL PLANTING PITS.
24. THE FINAL LOCATION OF PLANT MATERIAL SHALL BE ADJUSTED IN THE FIELD TO REFLECT EXISTING SITE CONDITIONS AND AS DIRECTED BY PROJECT ENGINEER.
25. ALL PLANTS ARE SHOWN SEMI-MATURE SIZE ON PLANS. SIZE INDICATED IN PLANT LIST ARE SIZES AT TIME OF INSTALLATION.
26. TREES TO BE HANDLED BY ROOT BALL ONLY. TREES WILL BE REJECTED IF STRAPS ARE PLACED AROUND TRUNK AND TREES LIFTED.
27. TREES ARE TO BE LABELED WITH PERMANENT TAG. LABEL TO INCLUDE BOTANICAL NAME AND DATE OF INSTALLATION.
28. ALL DISTURBED TURF AREAS TO BE RESTORED AT THE DIRECTION OF THE PROJECT ENGINEER.

PLANT LIST

KEY	QUAN.	BOTANICAL NAME	COMMON NAME	HT	ROOT	COMMENTS
		TREES				
AS	10	ACER SACCHARUM	SUGAR MAPLE	11-13'	B&B	
BPA	5	BETULA PAPYRIFERA	PAPER WHITE BIRCH	11-13'	B&B	CLUMP 3
PE	27	PICEA EXCELSA	NORWAY SPRUCE	7-8 '	B&B	
PP	21	PICEA PUNGENS	COLORADO SPRUCE	6-7'	B&B	
QA	3	QUERCUS ALBA	WHITE OAK	11-13'	B&B	
QS	18	QUERCUS STELLATA	POST OAK	10-12'	B&B	
QR	3	QUERCUS RUBRA	NORTHERN RED OAK	10-11'	B&B	
FP	3	FRAXINUS PENSYLVANICA	PENSYLVANIA ASH	11-13'	B&B	
COT	15	CARYA OVATA	SHAGBARKHICKORY	10-11'	B&B	
UR	3	ULMUS RUBRA	SLIPPERY ELM	11-13'	B&B	

NUMBER OF PROPOSED TREES TO BE PLANTED = 108

		SHRUBS				
CA	23	CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	18-24"	BR	
HP	22	HYDRANGEA PANICULATA GRANDIFLOR	PEE GEE HYDRANGEA	18-24"	BR	
BS	30	BUXUS SEMPERVIRENS	COMMON BOXWOOD	18-24"	BR	
WF	13	WEIGELIA FLORIDA	PINK WEIGELIA	2-3'	BR	
LA	10	LEUCOTHOE AXILLARIS	COAST LEUCOTHOE	15-18"	BR	
KJ	43	KERRIA JAPONICA 'PLENTIFLORA'	DOUBLE KERRIA	18-24"	BR	
CAA	17	CORNUS ALBA ELEGANTISSIMA	VARIGATED DOGWOOD	3-4'	B&B	
PF	10	PIERIS FLORIBUNDA	MOUNTAIN ANDROMEDA	18-24"	B&B	
KL	14	KALMIA LATIFOLIA	MOUNTAIN LAUREL	2-3'	BR	
IG	13	ILEX GLABRA COMPACTA	INKBERRY	8-24"	BR	
CAP	5	COTONEASTER APICULATA	CRANBERRY COTONEASTER	18-24"	BR	

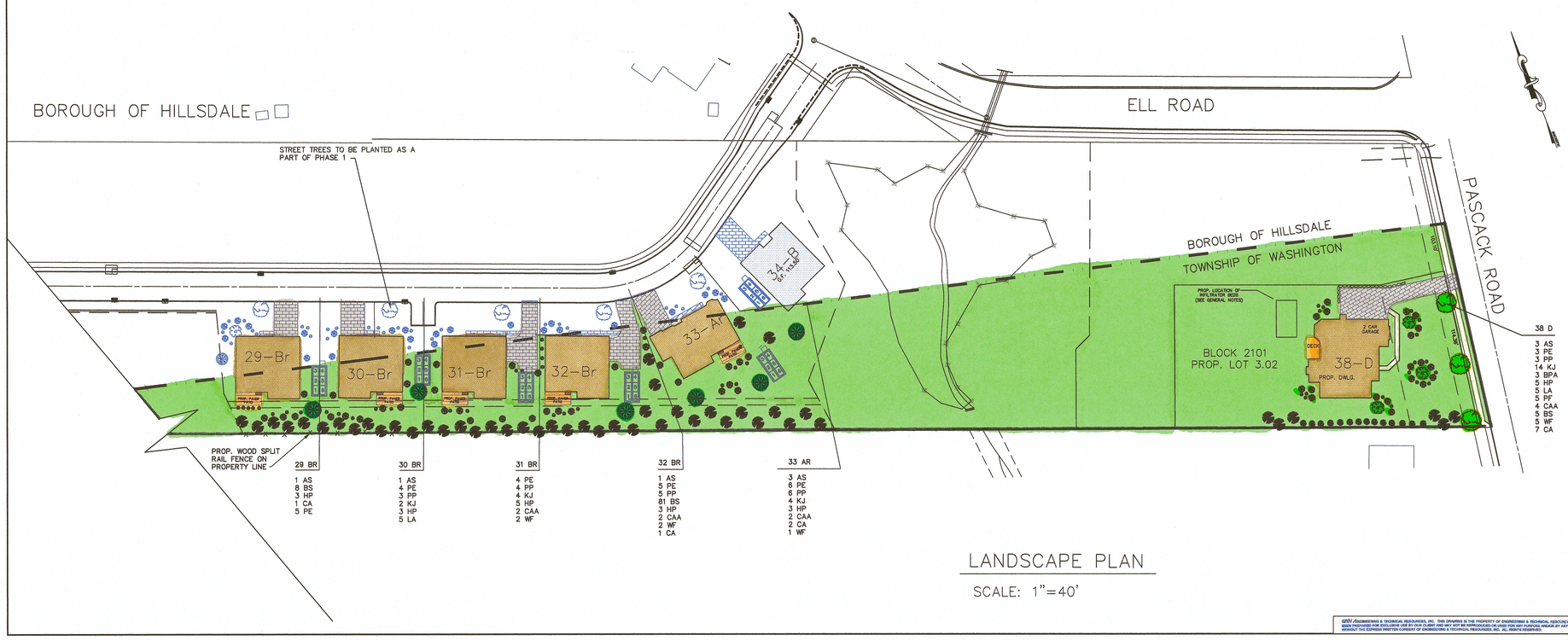
NUMBER OF PROPOSED SHRUBS TO BE PLANTED = 200

NOTES:

1. ALL CONSTRUCTION DESIGN OF FOUNDATIONS, SUPPORTS, WALL STRUCTURALS, ETC TO BE PREPARED, ANALYZED AND WITNESSED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER.
2. SEE DRAWING ENTITLED "TREE LOCATION MAP FOR CAUBER BUILDERS BOROUGH OF HILLSDALE BLOCK 506, LOT 1 AND TWP OF WASHINGTON BLOCK 2101, LOTS 3 AND 7, BERGEN COUNTY, NEW JERSEY", PREPARED BY LAPATKA ASSOCIATES, DATED 6-03-02, LAST REVISED 4-25-17 FOR LOCATION AND DESCRIPTION OF THE EXISTING TREES (DWG. 7 OF 10)
3. TREE COUNTS:
   NUMBER OF TREES 6-15" DIAMETER TO BE REMOVED = 109 — REQUIRED TO BE REPLACED WITH 109X6=654 TREES
   NUMBER OF TREES 16-24" DIAMETER TO BE REMOVED = 11 — REQUIRED TO BE REPLACED WITH 11X10=110 TREES
   NUMBER OF TREES 25-36" DIAMETER TO BE REMOVED = 1 — REQUIRED TO BE REPLACED WITH 1X15=15 TREES
   TOTAL NUMBER OF TREES TO BE REMOVED = 121 — REQUIRED TO BE REPLACED WITH 779 TREES
   108 TREES AND 200 SHRUBS TO BE PLANTED WITHIN THE SITE AS PART OF PROPOSED IMPROVEMENTS (SEASONAL PLANTS/FLOWERS TO BEALSO PLANTED IN FOCAL AREAS) THE REMAINING TREES AS REQUIRED BY THE TREE REPLACEMENT CALCULATION SHALL BE EITHER WAIVED BY THE TOWNSHIP OF WASHINGTON ZONING BOARD OF ADJUSTMENT OR PLANTED ELSEWHERE WITHIN THE MUNICIPALITY.
   REPLANTED TREES SHALL BE AT LEAST 2.5 INCHES IN DIAMETER/CALIPER, MEASURED AT CHEST HEIGHT AND MUST BE NURSERY STOCK, BALLED IN BURLAP AND STAKED UPON PLANTING.
4. TREES ARE SURVEYED ONLY WITHIN POTENTIAL LIMITS OF DISTURBANCE. TREES WITHIN WETLAND AREAS AND BUFFER EASEMENT LINES ARE TO REMAIN AND WERE NOT SURVEYED. THESE NUMBERS REPRESENT ONLY TREES WITHIN THE TOWNSHIP OF WASHINGTON. TREE REPLACEMENT WITHIN THE BOROUGH OF HILLSDALE WERE CALCULATED UNDER PHASE ONE OF THIS PROJECT.
5. BASED UPON US FISH AND WILDLIFE SERVICE REVIEW, NO TREES SHALL BE REMOVED FROM THE WETLAND AND TRANSITION AREAS ON SITE OUTSIDE THE LIMITS OF DISTURBANCE. IN ADDITION, NEW TREES AS SPECIFIED IN A LIST PROVIDED BY THE US FISH AND WILDLIFE SERVICE, ARE TO BE PLANTED THROUGHOUT THE SITE AND AS RE-FILL IN WETLAND AND TRANSITION AREAS. THE EXISTING WALKING TRAILS CAN BE USED FOR PASSIVE RECREATION AND CAN BE MAINTAINED AND CLEARED TO PREVENT VEGETATIVE OVERGROWTH. HOWEVER, IMPROVEMENTS TO THE EXISTING WALKING TRAILS SUCH AS ADDING WOOD CHIPS OR STONE DUST MAY REQUIRE A PERMIT FROM THE NJDEP. ALL TREES SPECIFIED TO BE PLANTED IN THE WETLAND AND BUFFER AREAS TO BE FIELD LOCATED AS PER EXISTING CONDITIONS.
6. THE TREE CLEARING THROUGHOUT THE SITE TO BE MANAGED TO PRESERVE AS MANY EXISTING TREES AS POSSIBLE.

LEGEND:

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



LANDSCAPE PLAN

SCALE: 1"=40'

BACKGROUND FOR GENERAL ORIENTATION ONLY.
SEE UTILITY AND GRADING PLANS FOR DETAILS.

THESE PLANS PREPARED FOR PLANNING BOARD APPROVAL ONLY.
NOT FOR CONSTRUCTION.

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

REVISIONS

0 40 80 120
GRAPHIC SCALE

LANDSCAPE PLAN

MAJOR SUBDIVISION AND SITE PLAN FOR

THE RESERVE AT ARDEN PLACE

AN ACTIVE ADULT COMMUNITY PROJECT

(AKA PHASE 2 OF GOLDEN ORCHARDS DEVELOPMENT)

BLOCK 2101, LOTS 3 & 7

TOWNSHIP OF WASHINGTON, BERGEN COUNTY, NEW JERSEY

Dwn. by	Ckd. by	Scale	Date	Dwg. No.	Proj. No.
Y.M.	A.Z.	1"=40'	09/01/17	6 OF 10	00-058.9

ENTEC
Engineering & Technical Resources, Inc.
Consulting Engineers Certificate # 24GA27975200
886 Belmont Avenue, No. Haledon, N.J. 07508 tel.(973)636-9223

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

ENTEC ENGINEERING & TECHNICAL RESOURCES, INC. THIS DRAWING IS THE PROPERTY OF ENGINEERING & TECHNICAL RESOURCES, INC. IT WAS SOLELY PREPARED FOR EXCLUSIVE USE BY OUR CLIENT AND MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE AND/OR BY ANY OTHER ENTITY WITHOUT THE EXPRESSED WRITTEN CONSENT OF ENGINEERING & TECHNICAL RESOURCES, INC. ALL RIGHTS RESERVED.