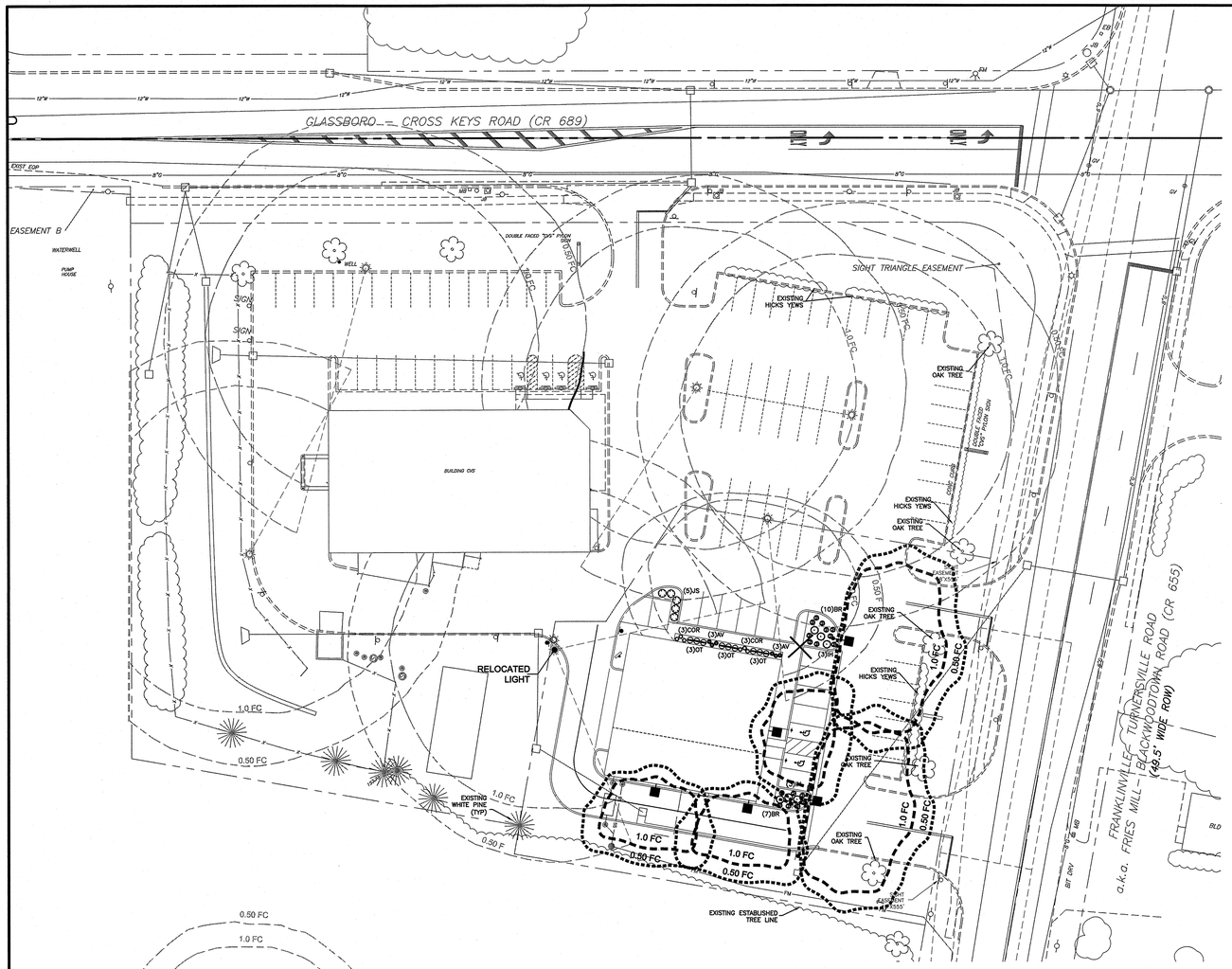
Exhibit A-5 (Landscaping & Lighting Plan)

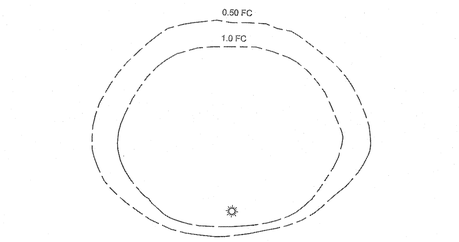


PLANTING LIST

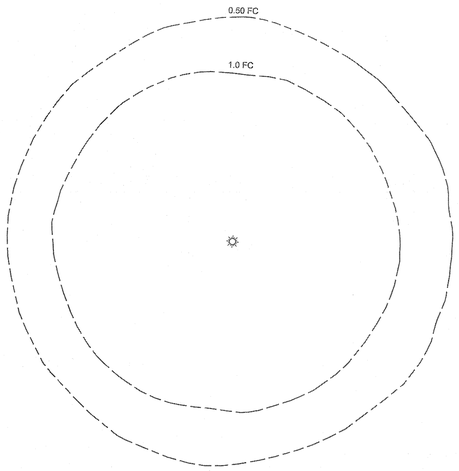
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	HEIGHT	CALIPER	COMMENT	MATURE HEIGHT
JS	5	JUNIPERUS SCOPLARUM	SKYROCKET JUNIPER	6–8 FEET	N/A	B&B	8–10 FEET
IH	6	ILEX CRENATA HELLERI	MOUNDING JAPANESE HOLLY	18–24 INCHES	N/A	B&B	2–3 FEET
COR	6	COREOPSIS LANCELOTA	LANCELEAF TICKSEED	12–24 INCHES	N/A	#2 GAL	1–2 FEET
AV	6	ANDROPOGON VIRGINICUS	LITTLE BLUESTEM	12–24 INCHES	N/A	#2 GAL	2–4 FEET
BR	17	JUNIPERUS HORIZONTALIS 'WILTONII'	BLUE RUG JUNIPER	8–10 INCHES	N/A	#2 GAL	10–12 INCHES
OT	9	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN CHERRY LAUREL	18–24 INCHES	N/A	#3 GAL	2–3 FEET

LANDSCAPE NOTES:

1. THE EXISTING LIGHTING AS SHOWN WAS TAKEN FROM THE DESIGN PLANS THAT WHERE APPROVED ON MAY 14, 1998 PER RESOLUTIONS PB 29–98, PB 32–98, PB 33–98, AND PB 34–98
2. EXISTING LANDSCAPING SHOWN TAKE N FROM PLAN OF SURVEY AND FIELD INSPECTION
3. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL TOPSOIL OF A LOAMY CHARACTER WITHOUT ADMIXTURE OF CLAY, HARDPAN, MULCH, MARL, SHELL, OR FINE SAND AND CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE FREE OF STONES, LUMPS, PLANTS OR THEIR ROOTS OR SEEDS, STICKS, AND OTHER EXTRANEOUS MATTER AND SHALL CONTAIN NO SUBSTANCE OR MATERIAL INHIBITORY TO PLANT GROWTH.
4. NURSERY GROWN SOD IS ACCEPTABLE AS AN OPTION TO SEEDED LAWN. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF ONE– HALF INCH (1/2"), PLUS OR MINUS ONE QUARTER INCH (1/4"), AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH. SOD SHALL BE IN ROLLS NO LESS THAN TWELVE INCHES (12") WIDE AND FOUR FEET (4') LONG AND NOT MORE THAN SIX FEET (6') LONG. GRASS BLADES WILL BE CUT TO A UNIFORM LENGTH. THE GRASS SHALL BE WELL ESTABLISHED (AT LEAST ONE YEAR OLD), VIGOROUS, HEALTHY, AND GROWING. IT SHALL BE FREE OFF DISEASE AND NOXIOUS PERENNIAL WEEDS. SOD SHALL BE OF GOOD AND HEALTHY COLOR WHEN DELIVERED. ROLLS AND STRIPS WILL BE FIRM AND SOLID WITHOUT CRUMBLING OR TEARING. SOD SHALL BE HAR– VESTED AND DELIVERED WITHIN A 36 HOUR PERIOD, AND ALL PRE– CAUTIONS MUST BE TAKEN TO PREVENT THE SOD FROM DRYING WHILE IN TRANSIT TO THE SITE.
5. GRASS SEED SHALL MEET THE REQUIREMENTS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, AND NO "BELOW STANDARD" SEED WILL BE ACCEPTED. SEED SHALL BEAR THE GROWER'S GUARANTEE OF ANALYSIS. WET, MOLDY, OR OTHERWISE CONTAMINATED SEED SHALL BE REJECTED.
6. THE CONTRACTOR SHALL VERIFY THE LOCATION AND THE DEPTH OF ALL EXISTING UTILITIES UNDERGROUND PER THE UNDERGROUND FACILITY PROTECTION ACT, BETTER KNOWN AS THE "ONE CALL LAW," OCTOBER 1994. THIS LAW REQUIRES THAT ANYONE DIGGING MUST CALL 1–800–272–1000 OR 811, 72 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR DEMOLITION SO THAT OPERATORS CAN MARKOUT THEIR UNDERGROUND UTILITIES IN ACCORDANCE WITH APPLICABLE LAWS, RULES, AND REGULATIONS.
7. ALL PLANTINGS SHALL CONFORM TO THE MOST RECENT EDITION OF THE "AMERICAN STANDARD FOR NURSERY STOCK". AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
8. ALL PLANTINGS MUST BE GUARANTEED FOR A PERIOD OF ONE FULL GROWING SEASON FROM THE TIME OF FINAL ACCEPTANCE BY THE TOWNSHIP. ALL TREES NOT SURVIVING ONE (1) YEAR SHALL BE REPLACED IN SIZE & TYPE. THE CONTRACTOR SHALL REMOVE STAKING, GUYING, AND WRAP AT THE END OF THE GUARANTEED PERIOD.
9. ALL TREES SHALL BE TYPICAL OF THEIR SPECIES AND/OR VARIETY, HAVING WELL–DEVELOPED BRANCHES AND HEALTHY ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, AND FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT EGGS, BORERS, AND ALL OTHER FORMS OF INFECTION.
10. ALL TREES AND PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING THE SPECIES AND VARIETY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRADE AND ALIGNMENT.
12. PERFORM PLANTING ONLY DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH LOCAL ACCEPTED PRACTICES.
13. MULCH SHOULD BE APPLIED PRIOR TO INITIAL WATERING TO PREVENT ANY UNNECESSARY SETTLING OF BACKFILL MATERIAL, AND ANY MOISTURE LOSS DUE TO EVAPORATION.
14. CONTRACTOR SHALL PARTIALLY FILL WITH WATER A REPRESENTATIVE NUMBER OF PITS IN EACH AREA OF THE PROJECT PRIOR TO PLANTING TO DETERMINE IF THERE IS ADEQUATE PERCOLATION. IF PERCOLATION DOES NOT OCCUR, MEASURES SHALL BE TAKEN TO ASSURE PROPER DRAINAGE BEFORE PLANTING.
15. FOR THE CONSTRUCTION OF THIS LANDSCAPING PLAN, THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS, STANDARDS, AND SPECIFICATIONS REQUIRED BY APPLICABLE ORDINANCES.
16. ALL DISTURBED AREAS NOT CONTAINING BUILDINGS, PAVEMENT, SIDEWALK, OR LANDSCAPING SHALL BE TOPSOILED, FERTILIZED, AND SEEDED OR SODDED IN ACCORDANCE WITH THE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER IN THE NOTES FOR SOIL EROSION AND SEDIMENT CONTROL.
17. ALL MECHANICAL AND ELECTRICAL EQUIPMENT NOT ENCLOSED WITHIN A BUILDING SHALL BE FULLY AND COMPLETELY SCREENED FROM VIEW FROM ANY PUBLIC STREET IN A MANNER COMPATIBLE WITH THE ARCHITECTURAL AND LANDSCAPING STYLE APPROVED ON THE REMAINDER OF THE LOT. SUCH SCREENING SHALL BE PART OF THE LANDSCAPE PLAN.
18. DURING THE CONSTRUCTION ON ANY SITE, TREES AND SHRUBS SHALL BE PROTECTED TO INSURE THAT THERE IS NOT ENCROACHMENT WITHIN THE AREA OF THEIR DRIP–LINE BY CHANGING GRADE, TRENCHING, STOCKPILING, OR BUILDING MATERIALS OR TOPSOIL, OR THE COMPACTION OF THE SOIL AND ROOTS BY ANY MOTOR VEHICLE.
19. ALL DISEASED OR DEAD TREES SHALL BE PROMPTLY REMOVED FROM THE SITE.
20. ALL INORGANIC/NON–BIODEGRADABLE MATERIAL(S) SHALL BE REMOVED FROM THE ROOTBALL OF ANY TREE, EVERGREEN, SHRUB AND PLANT PRIOR TO PLANTING.
21. BARK MULCH SHALL BE SPLINTERED DECORATIVE PINE BARK INSTALLED AND MAINTAINED AS A MAXIMUM 6 INCH (6") TOP DRESSING AROUND THE BASES OF ALL TREES IN LAWN AREAS. DO NOT MOUND MULCH AROUND THE BASE OF ANY PLANTS AS THIS WILL RESULT IN THE PREMATURE DEATH OF THE PLANT.
22. SHRUBS SHALL BE PLANTED 4 FOOT O.C. MAXIMUM; PERENNIALS SHALL BE PLANTED 2 FOOT O.C. MAXIMUM.
23. ANY TOPSOIL IMPORTED FROM OFF–SITE MUST BE CERTIFIED TO BE FREE OF ENVIRONMENTAL CONTAMINATION, INCLUDING RESIDUAL PESTICIDES. WRITTEN DOCUMENTATION OF SUCH CERTIFICATION SHALL BE PROVIDED TO THE MUNICIPALITY'S PLANNING BOARD.
24. NO TREES 15" IN DIAMETER OR GREATER ARE TO BE REMOVED WITHOUT FIRST OBTAINING A PERMIT IN ACCORDANCE WITH THE MUNICIPALITY'S TREE PRESERVATION AND MAINTENANCE ORDINANCE.
25. GUY WIRES AND STAKES WILL ONLY BE UTILIZED IF CONDITIONS MERIT AND WILL BE REMOVED BY THE DEVELOPER AT THE END OF THE GUARANTEE PERIOD.
26. NO SUBSTITUTIONS FOR PLANT MATERIAL WILL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE MUNICIPALITY'S PLANNER.

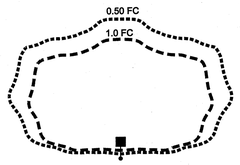


EXISTING LUMARK
250 W MH AT 32.5'

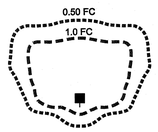


EXISTING LUMARK
400 W MH AT 32.5'

LIGHTING LEGEND

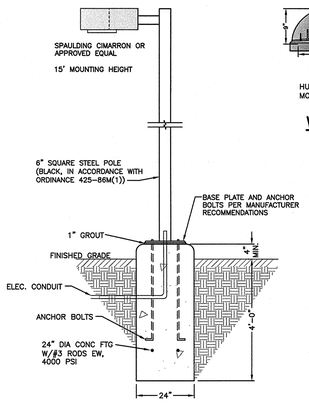


PROPOSED
SPAULDING CIMARRON SINGLE
15' MOUNTING HEIGHT



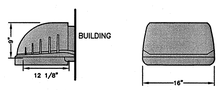
PROPOSED
HUBBEL LAREDO WALL MOUNT
15' MOUNTING HEIGHT

LUMINARIES SCHEDULE				
QUANTITY	ARRANGEMENT	MOUNTING HEIGHT	DESCRIPTION	CATALOG #
2	SINGLE	15'-0"	SPAULDING CIMARRON	CL1-90L-5K-105-BC
3	WALL MOUNT	15'-0"	HUBBELL LAREDO	LMC-30-LU-5K-4



TYPICAL LIGHT STANDARD

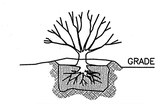
NTS



HUBBELL LAREDO WALL MOUNT LMC–30LU–5K–4,
MOUNTING HEIGHT @ 15' (OR APPROV. EQUAL)

WALL MOUNTED LIGHT DETAIL

NTS

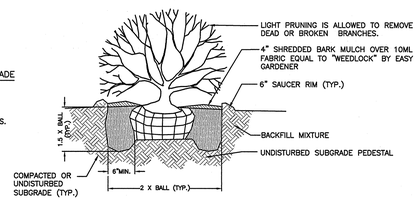


SEPARATE AND ALIGN ROOTS.

BARE–ROOT SHRUB

REMOVE CONTAINER AND CUT BALL 5 TIMES WITH SHARP KNIFE.

CONTAINER SHRUB



BALLED SHRUB

INCREASE DEPTH TO 1 1/2 X BALL IN CLAY SOILS.

NOTES:

1. CROWN OF ROOTBALL SHOULD BEAR SAME RELATION (OR SLIGHTLY ABOVE) FINISHED GRADE AS IT BORE TO PREVIOUS GRADE.
2. MULCH SHOULD BE APPLIED PRIOR TO INITIAL WATERING AS A MAXIMUM FOUR INCH (4") TOP DRESSING. NEVER MOUND MULCH AROUND THE BASE OF THE TREE AS THIS WILL RESULT IN PREMATURE DEATH OF THE TREE.
3. CUT TWINE AND FOLD DOWN BURLAP INTO BOTTOM OF HOLE PRIOR TO BLACKFILLING.

SHRUB PLANTING DETAILS

NTS

5-12-2020
DATE

JAROD THOMAS
PROFESSIONAL ENGINEER, NEW JERSEY LIC. NO. 24GE05402900

DRWN	DATE	REVISIONS

THIS PLAN IS A REPRODUCTION OF THE ORIGINAL PLAN, UNLESS THIS PLAN, WITH THE RAISED SEAL OF THE LICENSED PROFESSIONAL RESPONSIBLE FOR THE PLAN, IT SHALL NOT BE CONSIDERED AS THE OFFICIAL PLAN. THE REPRODUCTION OF THIS PLAN IS PROVIDED FOR REFERENCE AND FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT USER'S SOLE RISK AND WITHOUT LIABILITY TO CES.

LANDSCAPE AND LIGHTING PLAN

MONROE EQUITIES LLC
PLATE 148, BLOCK 14801, LOT 12.01
MONROE TOWNSHIP, GLOUCESTER COUNTY, NEW JERSEY

PREPARED BY
CONSULTING ENGINEER SERVICES,
PROFESSIONAL ENGINEERS, PLANNERS, & LAND SURVEYORS
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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27997700

SHT. No. 3 OF 3 DATE 05/12/2020 SCALE 1"=30' CES No. 1888–04 FILE No. 1888–04–L101 DRAWN BY: JMS

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