

| KEY                       | QTY | BOTANICAL NAME                          | COMMON NAME               | INSTALLED SIZE | EST. SIZE AT MATURITY          | ROOT  | REMARKS      |
|---------------------------|-----|-----------------------------------------|---------------------------|----------------|--------------------------------|-------|--------------|
| <b>SHADE TREES)</b>       |     |                                         |                           |                |                                |       |              |
| LS                        | 8   | LIQUIDAMBAR STYRACIFLUA                 | SWEETGUM                  | 4" CAL. MIN.   | HEIGHT: 60-75; SPREAD: 35-50'  | B+B   | SINGLE TRUNK |
| LT                        | 12  | LIRIODENDRON TULIPIFERA                 | TULIP POPLAR              | 4" CAL. MIN.   | HEIGHT: 70-90; SPREAD: 35-50'  | B+B   | SINGLE TRUNK |
| NS                        | 6   | NYSSA SYLVATICA                         | BLACK GUM                 | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 20-30'  | B+B   | SINGLE TRUNK |
| TA                        | 5   | TILOA AMERICANA 'AMERICAN SENTRY'       | AMERICAN SENTINEL LINDEN  | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 30-50'  | B+B   | SINGLE TRUNK |
| QD                        | 12  | QUERCUS ALBA                            | WHITE OAK                 | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 50-70'  | B+B   | SINGLE TRUNK |
| QZ                        | 9   | QUERCUS BICOLOR                         | SWAMP WHITE OAK           | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 30-50'  | B+B   | SINGLE TRUNK |
| OP                        | 13  | QUERCUS PHellos                         | WILLOW OAK                | 4" CAL. MIN.   | HEIGHT: 50-70; SPREAD: 30-50'  | B+B   | SINGLE TRUNK |
| <b>(EVERGREEN TREES)</b>  |     |                                         |                           |                |                                |       |              |
| NS                        | 7   | 'LLEX X NELLIE R. STEVENS'              | NELLIE R. STEVENS HOLLY   | 4" CAL. MIN.   | HEIGHT: 15-25; SPREAD: 10'-15' | B+B   | -            |
| JYE                       | 32  | JUNIPERUS VIRGINIANA 'EMERALD SENTINEL' | EMERALD SENTINEL REDCEDAR | 4" CAL. MIN.   | HEIGHT: 15-20; SPREAD: 6-8'    | B+B   | -            |
| PAJ1                      | 10  | PICEA ABIES                             | NORWAY SPRUCE             | 2.5" CAL. MIN. | HEIGHT: 50-60; SPREAD: 25-30'  | B+B   | -            |
| PAJ2                      | 10  | PICEA ABIES                             | NORWAY SPRUCE             | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 25-30'  | B+B   | -            |
| PGJ1                      | 20  | PICEA GLAUCA 'DENSATA'                  | BLACK HILLS SPRUCE        | 2.5" CAL. MIN. | HEIGHT: 50-60; SPREAD: 15-20'  | B+B   | -            |
| PGJ2                      | 15  | PICEA GLAUCA 'DENSATA'                  | BLACK HILLS SPRUCE        | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 15-20'  | B+B   | -            |
| POJ1                      | 16  | PICEA OMORIKIA                          | SERBIAN SPRUCE            | 2.5" CAL. MIN. | HEIGHT: 50-60; SPREAD: 15-20'  | B+B   | -            |
| POJ2                      | 8   | PICEA OMORIKIA                          | SERBIAN SPRUCE            | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 15-20'  | B+B   | -            |
| PSJ1                      | 12  | PICEA OMORIKIA                          | SERBIAN SPRUCE            | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 15-20'  | B+B   | -            |
| PSJ2                      | 16  | PICEA OMORIKIA                          | SERBIAN SPRUCE            | 2.5" CAL. MIN. | HEIGHT: 50-60; SPREAD: 20-25'  | B+B   | -            |
| PSJ3                      | 11  | PNUS STROBUS                            | EASTERN WHITE PINE        | 4" CAL. MIN.   | HEIGHT: 50-60; SPREAD: 20-40'  | B+B   | -            |
| <b>(ORNAMENTAL TREES)</b> |     |                                         |                           |                |                                |       |              |
| ACN                       | 33  | AMELANCHIER FRATERNIS                   | SHADLOW SERVICEBERRY      | 4" CAL. MIN.   | HEIGHT: 20-30; SPREAD: 15-20'  | B+B   | MULTI-TRUNK  |
| CA                        | 9   | CORNUS ALTERNIFOLIA                     | PAGODA DOGWOOD            | 4" CAL. MIN.   | HEIGHT: 25-30; SPREAD: 20-30'  | B+B   | SINGLE TRUNK |
| CCN                       | 26  | CERCIS CANADENSIS                       | EASTERN REDBUD            | 4" CAL. MIN.   | HEIGHT: 20-30; SPREAD: 25-35'  | B+B   | MULTI-TRUNK  |
| CV                        | 20  | MAGNOLIA VIRGINIANA                     | SWEETBAY MAGNOLIA         | 4" CAL. MIN.   | HEIGHT: 20-35; SPREAD: 15-20'  | B+B   | MULTI-TRUNK  |
| <b>(EVERGREEN SHRUBS)</b> |     |                                         |                           |                |                                |       |              |
| VR                        | 18  | VIBURNUM RHYTHYDOPHYLLOIDES 'ALLEGHENY' | ALLEGHENY VIBURNUM        | 4" C HEIGHT    | HEIGHT: 8'-10'; SPREAD: 8'-10' | B+B   | -            |
| <b>(DECIDUOUS SHRUBS)</b> |     |                                         |                           |                |                                |       |              |
| AS                        | 22  | ASCLEPIAS PAVLOVIRA                     | ROTTENBURGH BUCKEYE       | 30"-36" HEIGHT | HEIGHT: 8'-12; SPREAD: 8'-15'  | CONT. | -            |
| CP                        | 9   | CORNUS SERICEA                          | REDTHRUSH DOGWOOD         | 24"-30" HEIGHT | HEIGHT: 5'-6; SPREAD: 6'-8'    | CONT. | -            |
| HP                        | 25  | HYDRANGEA VERNALIS                      | VERNAL WITCHAZEL          | 30"-36" HEIGHT | HEIGHT: 6'-10; SPREAD: 8'-10'  | CONT. | -            |
| MY                        | 11  | MYRICCA PENSYLVANICA                    | NORTHERN BAYBERRY         | 24"-30" HEIGHT | HEIGHT: 5'-10; SPREAD: 5'-10'  | CONT. | -            |

NOTE:

1. IF ANY DISCREPANCIES OCCUR BETWEEN QUANTITIES SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.
2. ALL EXISTING LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES TO BE RESEED.

| ORDINANCE SECTION                                                                                                                  | REQUIRED PER ORDINANCE | PROPOSED                                                                               | COMPLIANCE (Y/N) |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------|------------------|
| SECTION 25-27.8.a<br><br>AT LEAST THIRTY (30%) PERCENT OF THE TREES ON EACH PARTICULAR LOT OR DEVELOPMENT SITE SHALL BE PRESERVED. | THIRTY PERCENT (30%)   | SIXTY-NINE PERCENT (69%)<br><br>150 TREES TO BE REMOVED OUT OF 488 TOTAL TREES ON-SITE | Y                |

TOTAL VIABLE TREES ON SITE TO BE REMOVED FOR IMPROVEMENTS  
(DBH 4" - > 33"):

|                             |    |
|-----------------------------|----|
| BETWEEN 4" AND 6" INCHES:   | 36 |
| BETWEEN 6" AND 13" INCHES:  | 48 |
| BETWEEN 13" AND 22" INCHES: | 20 |
| BETWEEN 23" AND 32" INCHES: | 15 |
| GREATER THAN 33" INCHES:    | 17 |

NON-VIABLE TREES TO BE REMOVED\*: 14  
 (\*NONVIABLE TREES TO BE REMOVED ARE TO BE REPLACED ON A 1:1  
 RATIO WITHIN 2 YEARS OF REMOVAL - PER §25-27.4.d.1)

|                                      |    |
|--------------------------------------|----|
| BETWEEN 4" AND 6" INCHES (36 x 1):   | 36 |
| BETWEEN 6" AND 13" INCHES (48 x 2):  | 96 |
| BETWEEN 13" AND 22" INCHES (20 x 3): | 60 |
| BETWEEN 23" AND 32" INCHES (15 x 4): | 60 |
| GREATER THAN 33" INCHES (17 x 5):    | 85 |
| * NON-VIABLE TREES TO BE REPLACED:   | 14 |

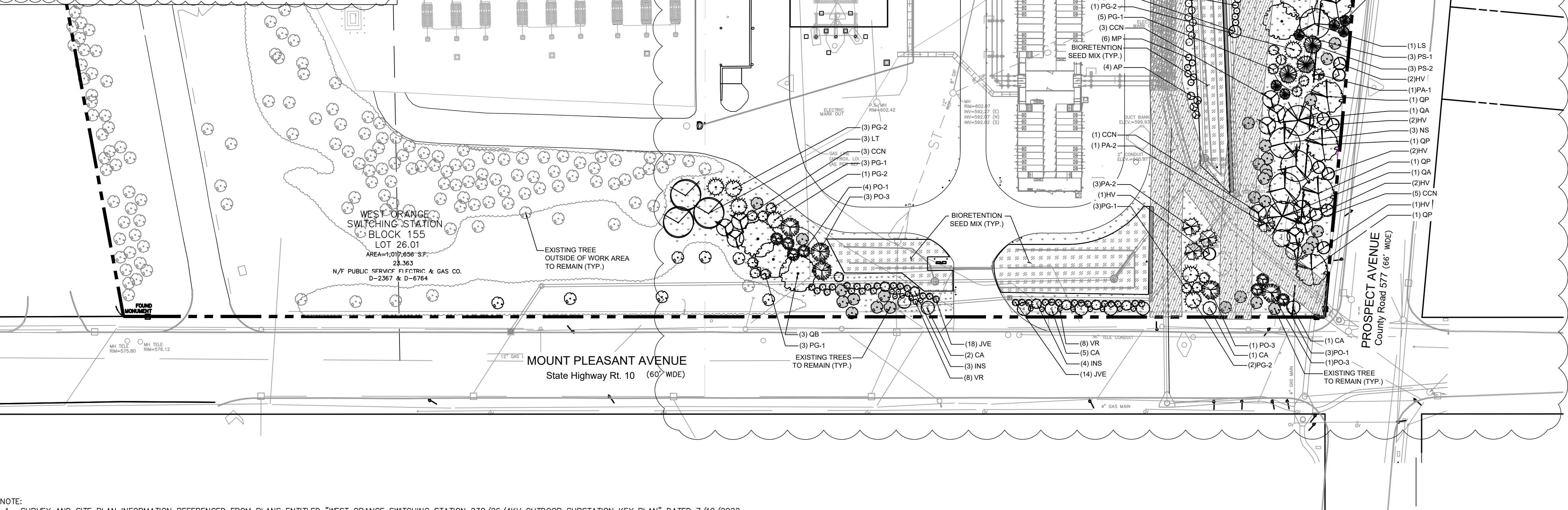
|                                                                                           |     |
|-------------------------------------------------------------------------------------------|-----|
| <u>TOTAL REPLACEMENT TREES REQUIRED:</u>                                                  | 351 |
| <u>QUANTITY OF TREES PROPOSED ON-SITE AT 2.5" Caliper:</u><br><u>(PER LANDSCAPE PLAN)</u> | 69  |

QUANTITY OF TREES PROPOSED ON-SITE AT 4" Caliper: 248  
(PER LANDSCAPE PLAN)

|                                                                                                                 |    |
|-----------------------------------------------------------------------------------------------------------------|----|
| TOTAL NUMBER OF 4" Caliper COMPENSATORY TREES TO<br>BE DEPOSITED TO WEST ORANGE TREE FUND<br>(PER §25-27.8.c.1) | 34 |
|-----------------------------------------------------------------------------------------------------------------|----|

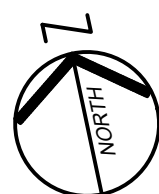
NOTES:

1. APPLICANT SHALL SECURE A TREE REMOVAL PERMIT FROM THE TOWNSHIP OF WEST ORANGE PRIOR TO SITE DISTURBANCE, IN ACCORDANCE WITH §25-27.4a.
2. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE AND REMAIN UNTIL COMPLETION OF ALL CONSTRUCTION ACTIVITIES.

[illegible]

CONSULTANT

## ORIENTATION / KEY PLAN



CLIENT



PAULUS, SOKOLOWSKI  
AND SARTOR, LLC.



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CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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JOHN R. FUTEY II, L.L.A.  
LICENSED LANDSCAPE ARCHITECT  
N.J. LIC. NO. 21AS00117400

  
SIGNATURE

PROJECT

WEST ORANGE  
SWITCHING STATION

BLOCK 155, LOT 26.01  
TOWNSHIP OF WEST ORANGE, ESSEX COUNTY, NEW JERSEY

SHEET TITLE

# LANDSCAPE PLAN

|                         |                |
|-------------------------|----------------|
| PROJECT NO.: 01315.0895 | DRAWN BY: MD   |
| SCALE: 1" = 40'         | CHECKED BY: PA |
| DATE: 12/22/2022        | SHEET 04 OF 05 |
| SHEET NO.               |                |

L-01

