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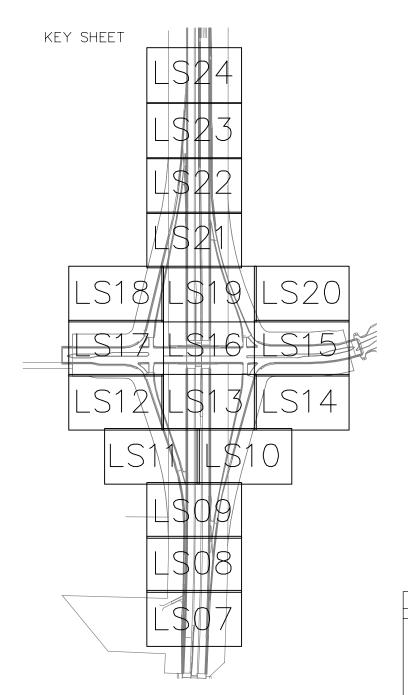
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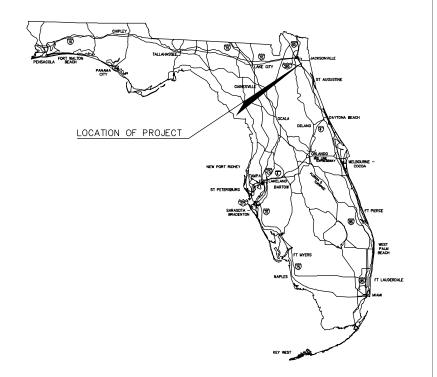
## STATE ROAD 9B & E-TOWN INTERCHANGE

DUVAL COUNTY

ETM PROJECT NO.: 13-102-02

## LANDSCAPE PLANS





LANDSCAPE SHOP DRAWINGS TO BE SUBMITTED TO:

KARL M. SODERHOLM, PLA. ENGLAND-THIMS & MILLER, INC. 14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FL 32258 PHONE: 904-642-8990

EMAIL: SODERHOLMK@ETMINC.COM

PLANS PREPARED BY:



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS

LANDSCAPE ARCHITECT OF RECORD: KARL M. SODERHOLM, PLA

RLA NO.: LA6666736

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FISCAL YEAR	SHEET NO.	넁
18	LS01	뿔





THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED IN THE ELECTRONIC DOCUMENTS.

ENGLAND-THIMS & MILLER, INC. 14775 OLD ST. AUGUSTINE ROAD JACKSONVILLE, FLORIDA 32258 CERTIFICATE OF AUTHORIZATION: 2584 KARL M. SODERHOLM, FL LA NO. 6666736

THE ABOVE NAMED REGISTERED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

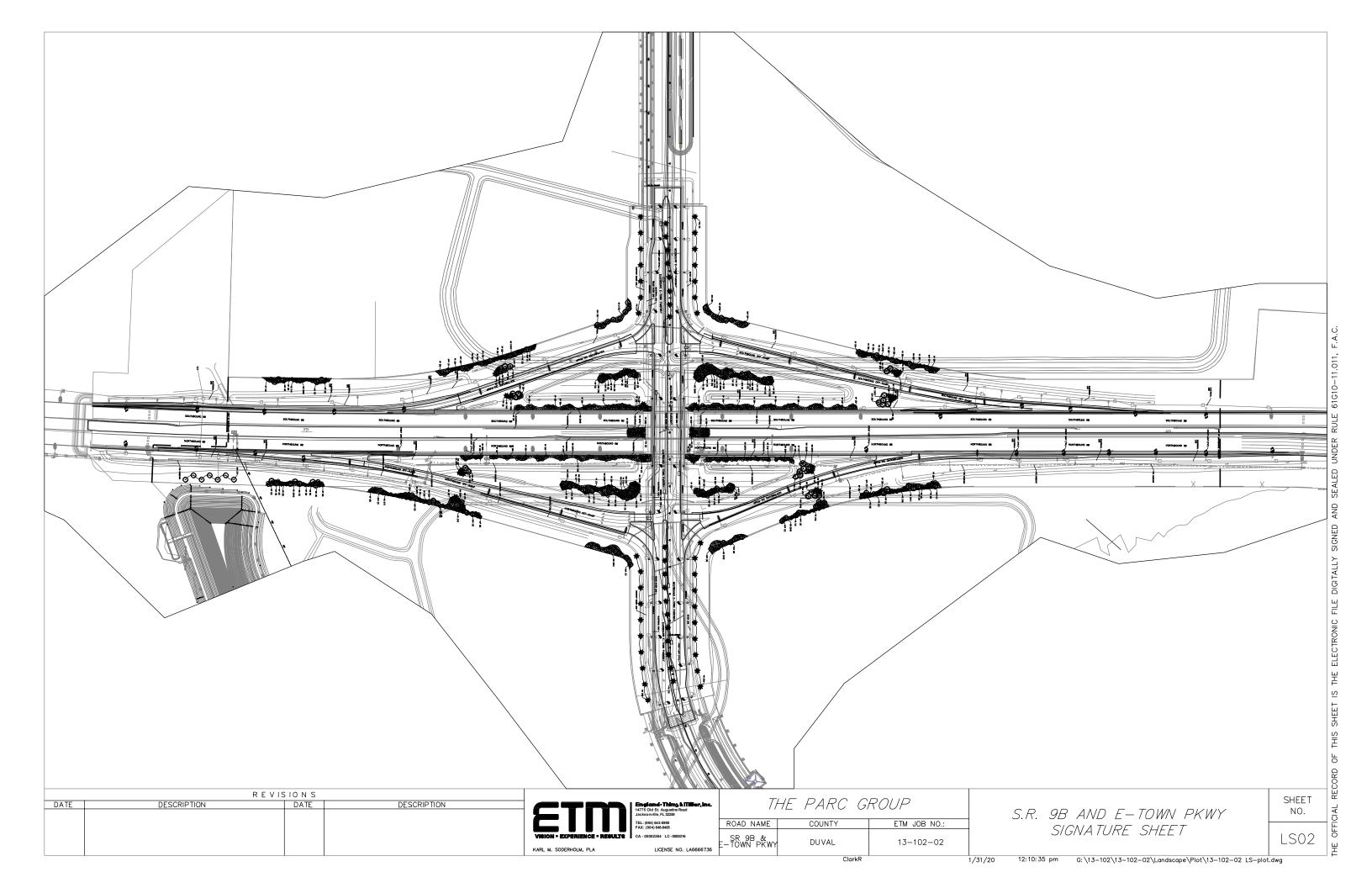
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OAD NAME	COUNTY	ETM JOB NO.:
SR 9B & TOWN PKWY	DUVAL	13-102-02

S.R. 9B AND E-TOWN PKWY SIGNATURE SHEET

SHEET NO.



## **PLANT SCHEDULE**

TREES LM	<u>QTY</u> 12	<u>BOTANICAL NAME</u> Lagerstroemia indica 'Muskogee'	<u>COMMON NAME</u> Muskogee Crape Myrtle	CONT Size as needed	<u>CAL</u> 4"Cal	<u>SIZE</u> 8-10' ht. x 3-4' spd.		<u>REMARKS</u> Multi-Trunk, 3 Trunk Min.
MG	42	Magnolia grandiflora 'Brackens Brown Beauty'	Bracken's Southern Magnolia	MIN. 14' HT x 7' SPD	4"Cal	FULL TO GROUND		
PE	227	Pinus elliotti	Slash Pine	MIN. 12' HT x 6' SPD	4" Cal	STRONG CENTRAL LEADER		
PM	91	Phoenix dactylifera 'Medjool'	Date Palm	MIN. 20' CT		MATCHING		
QV4	100	Quercus virginiana	Southern Live Oak	MIN. 14' HT x 7' SPD	4"Cal	STRONG CENTRAL LEADER		
SP	305	Sabal palmetto	Cabbage Palmetto	FG 16' - 24' CT - MIXED HEIGHTS		REGENERATED		
SHRUB AREAS MC	<u>QTY</u> 2,184	BOTANICAL NAME Muhlenbergia capillaris	<u>COMMON NAME</u> Pink Muhly	<u>CONT</u> 1 gal			SPACING 36" o.c.	<u>REMARKS</u>
SB	6,092	Spartina bakeri	Sand Cord Grass	1 gal			48" o.c.	
TDF	933	Tripsacum floridana	Dwarf Fakahatchee Grass	1 gal			36" o.c.	
VSD	384	Viburnum obovatum 'Miss Shillers Delight'	Small-Leaf Arrowwood	3 gal.			36" o.c.	
VW	53	Viburnum obovatum	Walter's Viburnum	3 gal.			48" o.c.	
MULCH			PINE STRAW MULCH			3" AFTER	COMPACTI	ON

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	England-Thims & Miller, Inc. 14775 Old St. Augustine Road Jacksonville, FL 32258	
	TEL: (904) 642-8990 FAX: (904) 646-9485	
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KARL M. SODERHOLM, PLA	LICENSE NO. LA6666736	F

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	ROAD NAME	COUNTY	ETM JOB NO.:
36	SR 9B & E-TOWN PKWY	DUVAL	13-102-02

S.R. 9B AND E-TOWN PKWY TABULATION OF QUANTITIES

SHEET NO.

#### LANDSCAPE NOTES:

- 1. No landscaping shall be planted in such a manner as to adversely affect utility installation, operation and maintenance.
- 2. Above and below ground utilities will be verified prior to commencing work in the project area. Notify the engineer if any utility conflicts are discovered. The engineer will coordinate the necessary adjustments. In the case of utility conflicts, the landscape will be adjusted, not the utility. Notify utility owners through Sunshine State One Call of Florida, Inc (811).
- 3. Contact FDOT for locations of its and other utilities that are not identified by Florida One Call such as ITS cables and equipment.
- 4. Publication of reference. Publications as herein listed shall be held in basic reference:
  - A) Grades and Standards for Nursery Plants, Parts I and II, State Department of Agriculture and/or State Plant Board of Florida, Seagle Building, Gainesville, Florida.
  - B) State of Florida fertilizer law, office of the Secretary of State, Tallahassee, Florida.
  - C) American Standard for Nursery Stock (ANSI z60.1-), American Association of Nurserymen.
  - D) Tree Care Operations (ANSI z133.1-)

contact engineer prior to planting.

- E) Guideline Specifications to Sodding, America Sod Producers Association (ASPA).
- 5. All landscape areas will have existing soil removed to a two feet (2') depth and replaced with new landscape soil. landscape soil shall meet the requirements of FDOT specification 162 and shall achieve the pH and organic matter levels required in section 987. The new landscape soil will be placed to an approximate depth of 18". Soil mix ratio shall consist of a 75% topsoil and 25% sand mixture. All loading, trucking, placement and grading, removal and disposal of existing material is part of this work.
- 6. Ensure that pavement, stones over 1", road base and other material that is unsuitable for planting is removed from plant pit areas.
- 7. No permitted outdoor advertising billboards have been identified by using the FDOT ODA database and visual survey.
- 8. Plant containers shall be removed prior to planting. If plants are not container grown, remove a minimum of the top 1/3 of burlap, fabric, or wire mesh. Never lift or handle the tree by the trunk.
- 9. The uppermost root on all trees shall be covered by less than 1" of soil. Use hand tools to carefully remove all excess soil. The top of root ball shall be set 1"-2" above finish grade after settling and set plumb to the horizon. If planting pit is too deep, remove the tree and firmly pack additional soil in the bottom of the planting pit to raise the rootball. After positioning the tree in the planting pit, slice through rootballs with 3 or 4 vertical slices (top to bottom) equally distributed around the tree.
- 10. Backfill shall be loosened existing soil. remove rocks, sticks, or other deleterious material greater than 1" in any direction prior to backfilling, water and tamp to remove air pockets. If existing

- 11. Soil rings shall be constructed of existing soil at the outer edge of the planting pit, with a height of 3" and gently sloping sides. Do not pile soil on top of rootball.
- 12. Mulch shall be a 3" deep layer placed 2" off the edge of the trunk flare, around the base of shrub, or solidly around groundcover. never pile mulch against the tree trunk.
- 13. Straps shall be minimum 1" wide nylon or polypropylene. check straps monthly and adjust as required to eliminate airdling of tree. all wood stakes or anchors shall be located beyond the edge of soil ring in undisturbed soil and located below finished grade, unless otherwise specified.
- 14. Sabal palms may be hurricane cut. All other palms must have fronds tied with biodegradable twine. palm trunks shall have no burn marks, scars, or sanding.
- 15. Remove above ground guying systems at the end of the establishment period.
- 16. The contractor shall restore any sodded areas that are damaged as a result of work performed.
- 17. Substitutions of plant material. If a plant is found to be unavailable, submit proof of non-availability and a proposal for use of equivalent material. When authorized, adjustment of contract amount will be made. No substitutions will otherwise be authorized. To prove non-availability, the contractor must provide at least five (5) letters from growers or dealers from the states of Florida and Georgia explaining the non-availability of the plant material. Substitutions made without prior approval may be rejected after planting and any replacement of materials will be at the contractor's expense.
- 18. On—site conditions and adjustments. The locations of plants, as shown on the plans, are approximate. Planting shall be adjusted to fit actual as-built conditions on the site, including but not limited to separation from hardscapes and utilities as governed by municipal AND FDOT requirements. Any changes in locations caused thereby shall be made without additional cost to the owner, owner's representative, or landscape architect. The contractor shall immediately notify the owner's representative when conditions detrimental to plant growth are encountered, such as rubble fill, lime rock, or obstructions; and when field conditions are different than portrayed on the plans prior to planting. The owner or owner's representative may adjust the layout or location of specified plant materials to avoid these areas without additional costs.
- 19. General plant materials requirements. Provide state inspected, nursery grown plants, unless otherwise specified. conform to the plant schedule, "Florida Department of Agriculture Grades and Standards for Nursery Plants", local landscape ordinance, and, where applicable, to ANSI z60.1. All plant materials shall be nursery grown, Florida no.1 stock. any material not consistent with Florida number 1 standards may be rejected after planting and replacement of materials will be at the contractor's expense. all materials shall be healthy, vigorous, free of diseases and insects, pruned for best shape without appearance of "de-horning", and without symptoms of nutritional deficiency.

soils contain excessive sand, RC#AM, S 69 NOther material not conducive to proper plant growth,

THE PARC GROUP ROAD NAME COUNTY ETM JOB NO.: SR 9B & TOWN PKWY 13-102-02 DUVAL

S.R. 9B AND E-TOWN PKWY LANDSCAPE NOTES

SHEET NO.

### LANDSCAPE NOTES (continued):

11. Guarantee. all plant materials and trees installed by the contractor shall be <u>quaranteed for 365</u> days from the date of final inspection and acceptance. the contractor shall replace at no additional cost to the owner, all plant materials which die and/or which are not healthy and in a good growing condition during the guarantee period. replacement of such material shall occur within ten (10) days from owner's written notification to the contractor. the 365 day guarantee period for replaced plant materials shall commence on the date of acceptance of the replaced item or items of plant material. the contractor shall not be required to replace, repair, or restore any portion of the work that is damaged, defaced, disturbed, and/or destroyed by others after final acceptance.

#### 21 Submittal's:

- A) A high resolution color photograph submission for each plant specified shall be submitted to the engineer for approval.
- B) Each plant photograph approved by the engineer shall be the minimum standard accepted for each plant species. the plant photograph shall show the entire plant and have a legible vertical scale to show the overall height of the plant.
- C) Additional items to be submitted:
- 1. Fertilizer analysis
- 2. Topsoil analysis and samples of topsoil and compost
- 3. Irrigation submittals as outlined under the irrigation notes.

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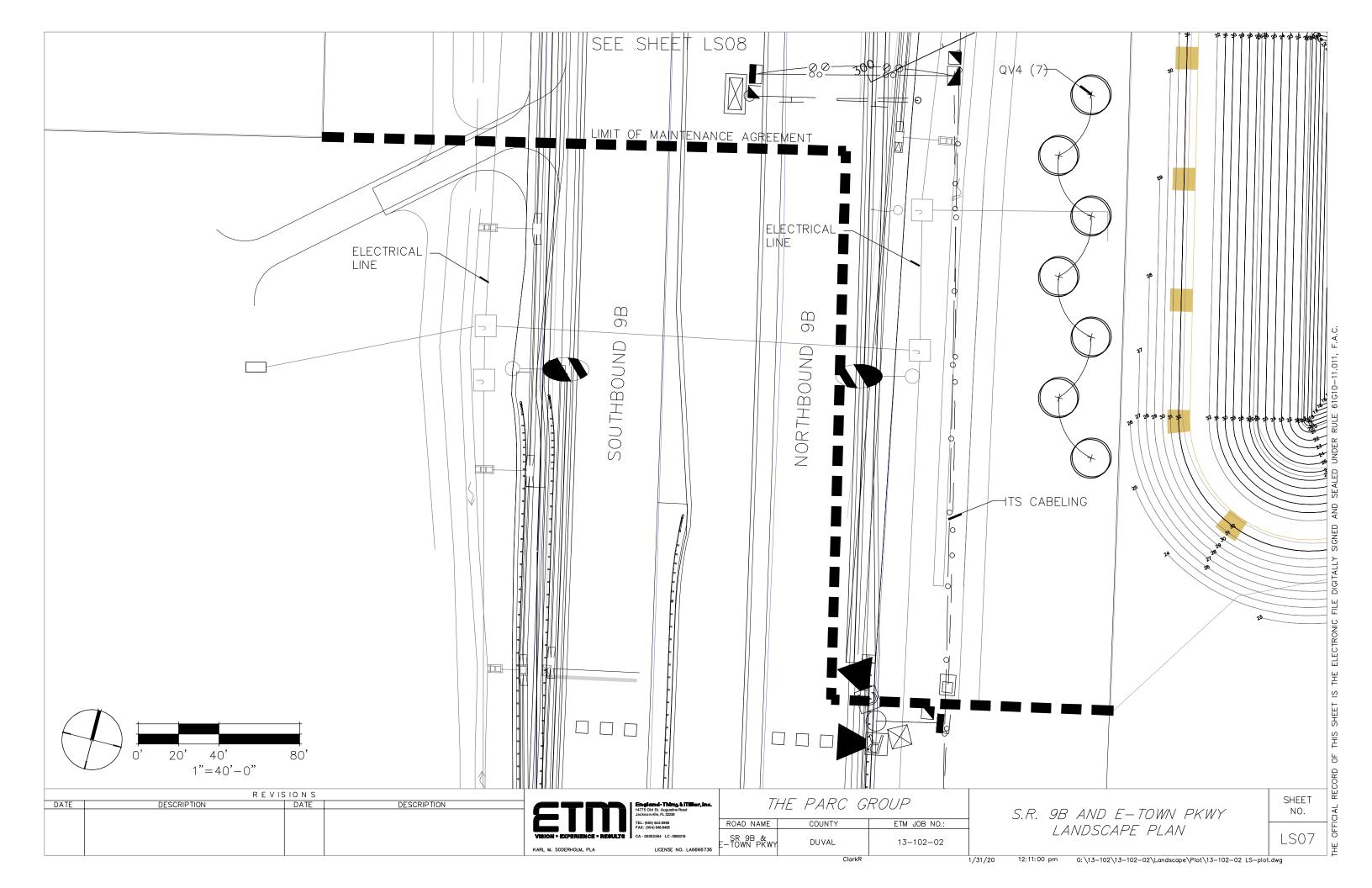
ETTN VISION - EXPERIENCE - RESULTS	England-Thim, & ITE ar, inc. 14775 Old St. Augusihe Road Jacksonville, Ft. 32258 TEL: (904) 642-8990 FAX: (904) 646-9495 CA - 00002584 LC-0000316
KARL M. SODERHOLM, PLA	LICENSE NO. LA6666736

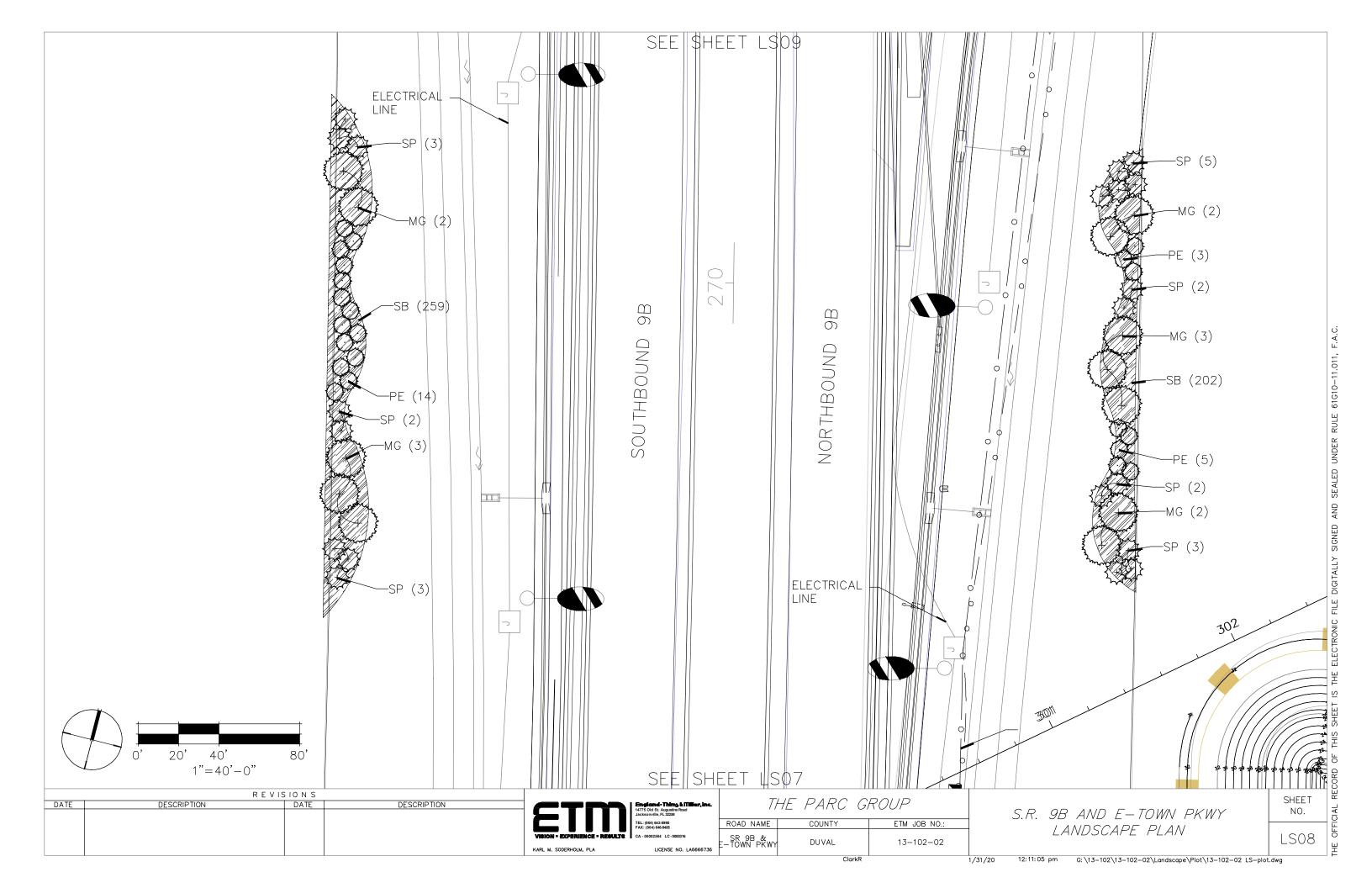
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36	SR 9B & E-TOWN PKWY	DUVAL	13-102-02

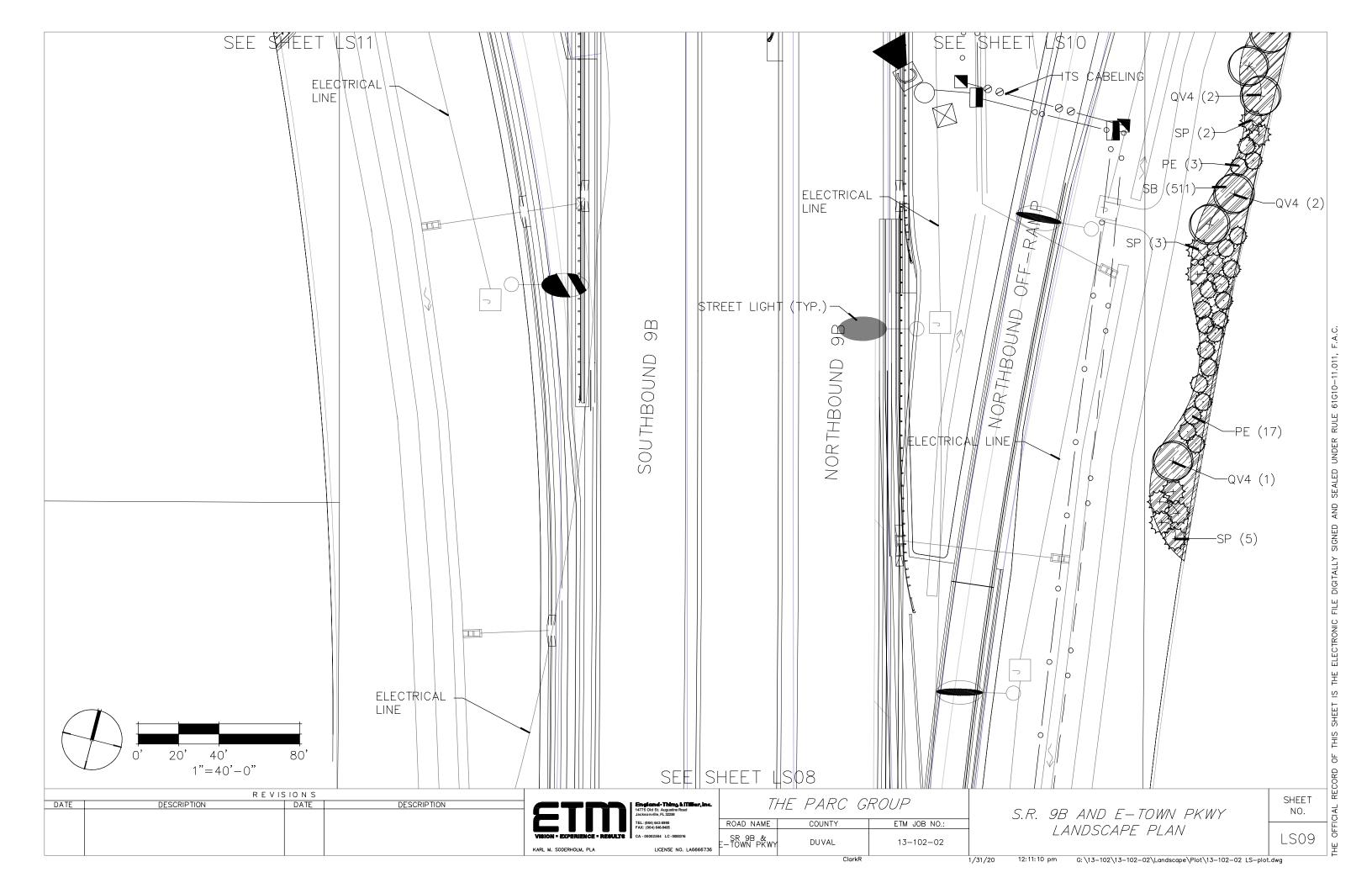
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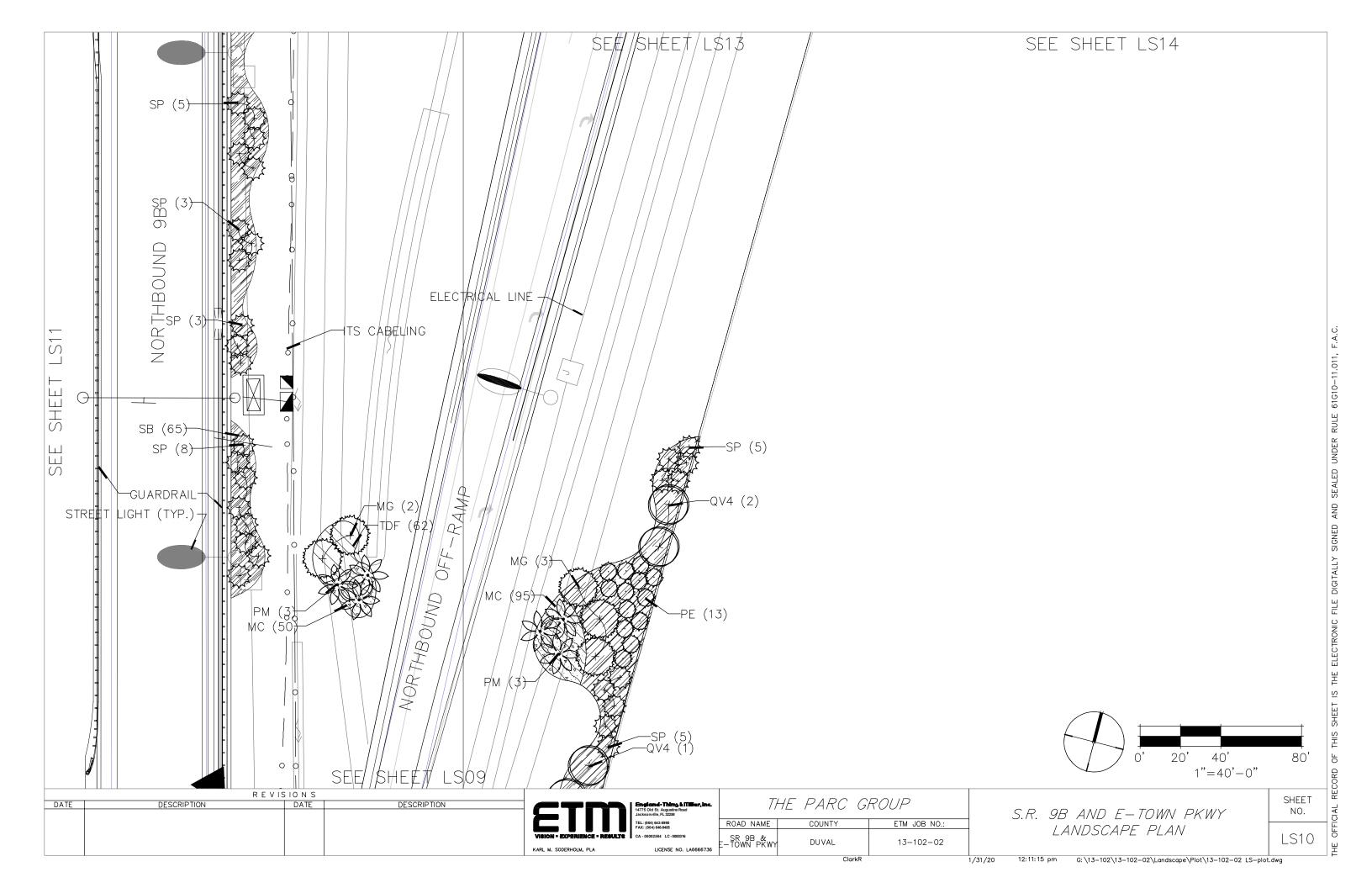
S.R. 9B AND E-TOWN PKWY LANDSCAPE NOTES

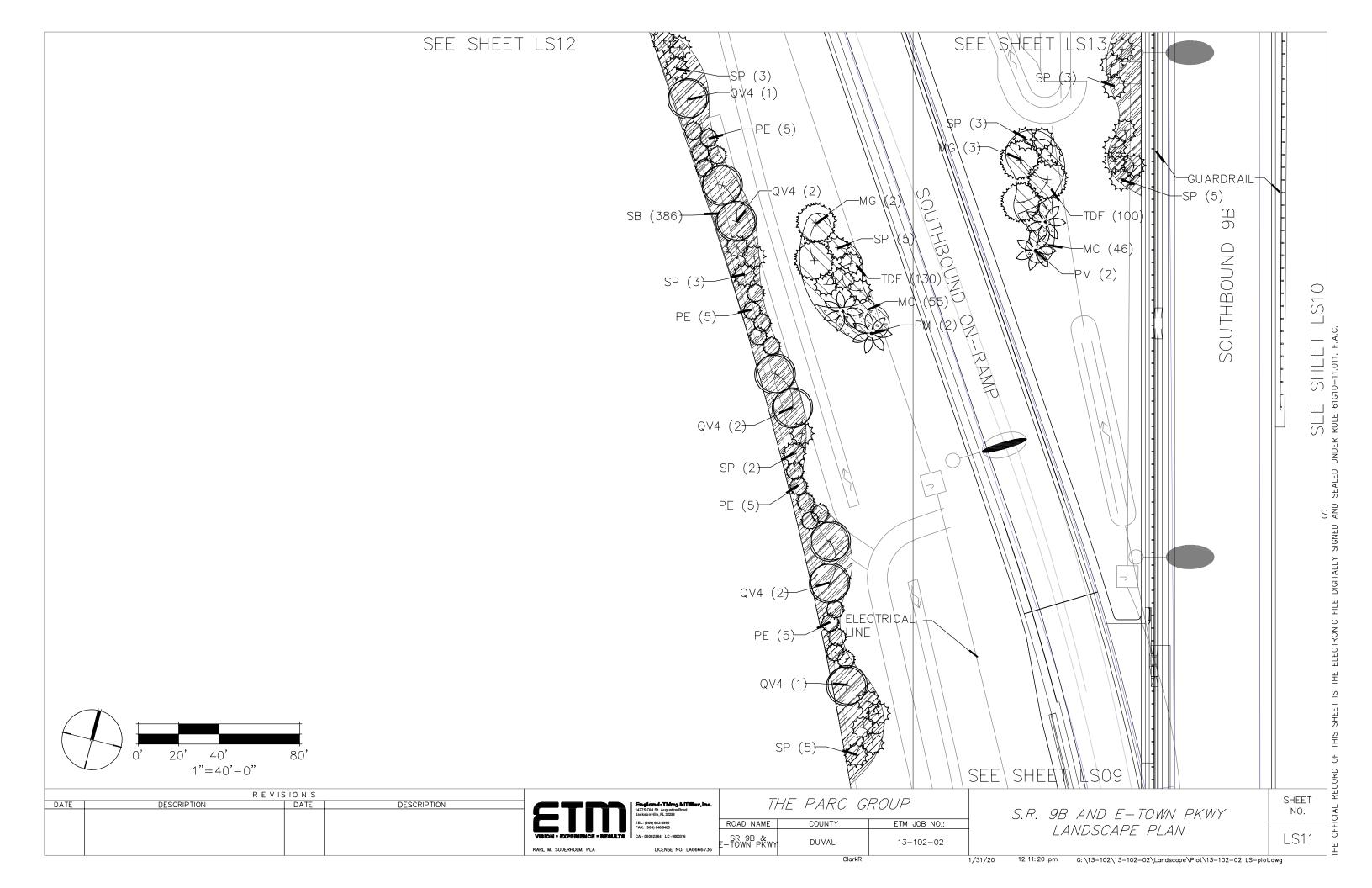
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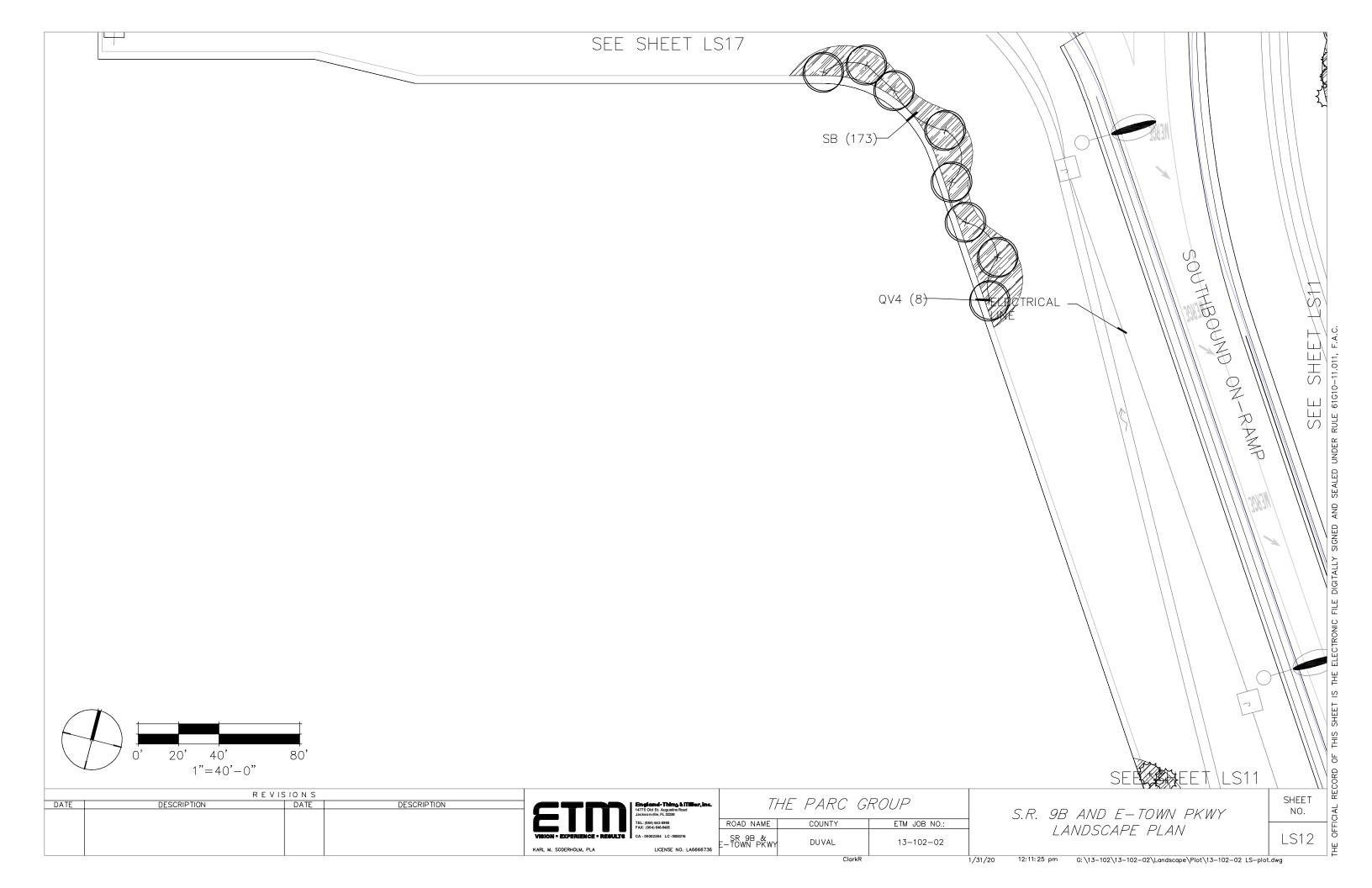


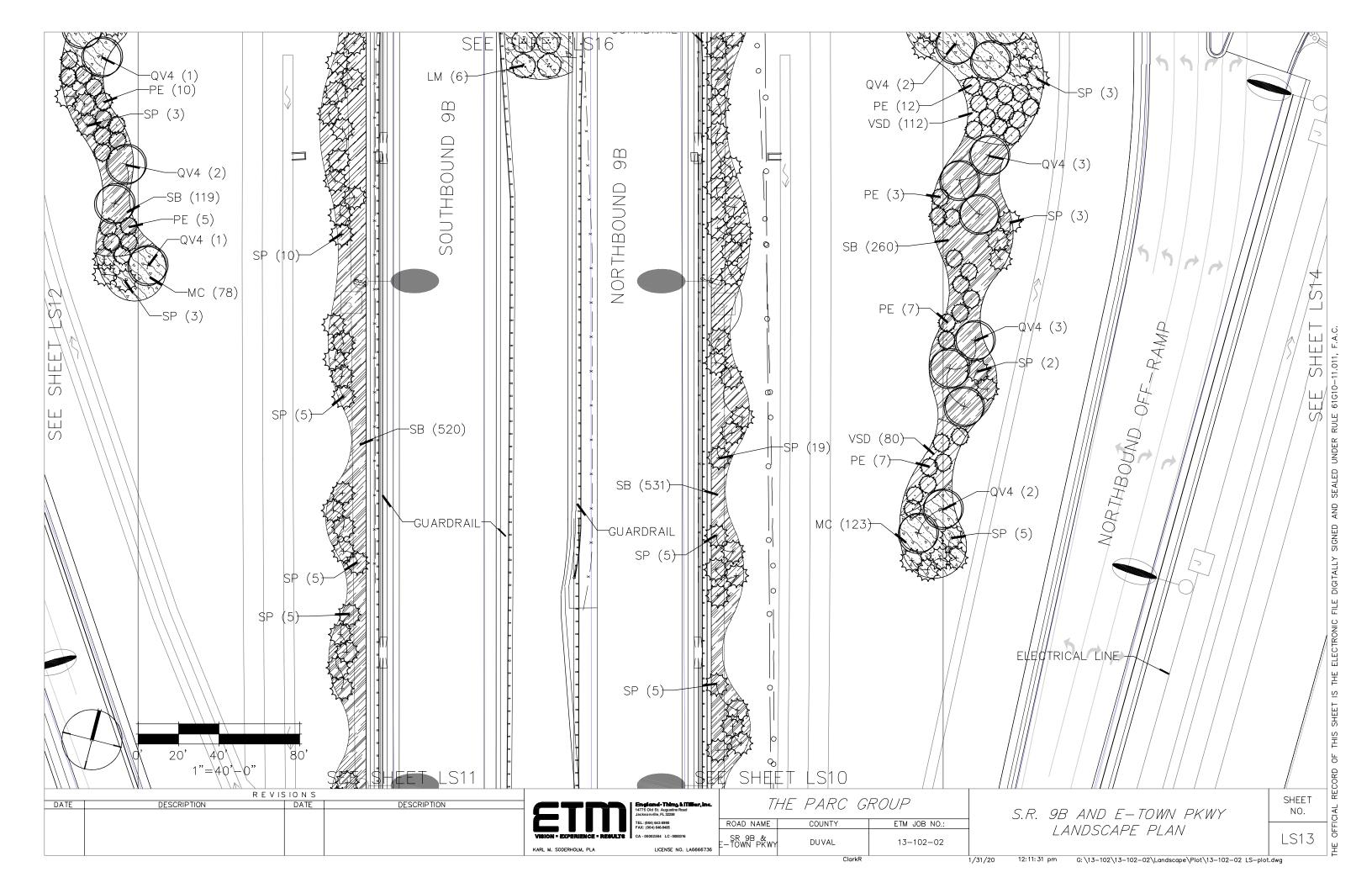


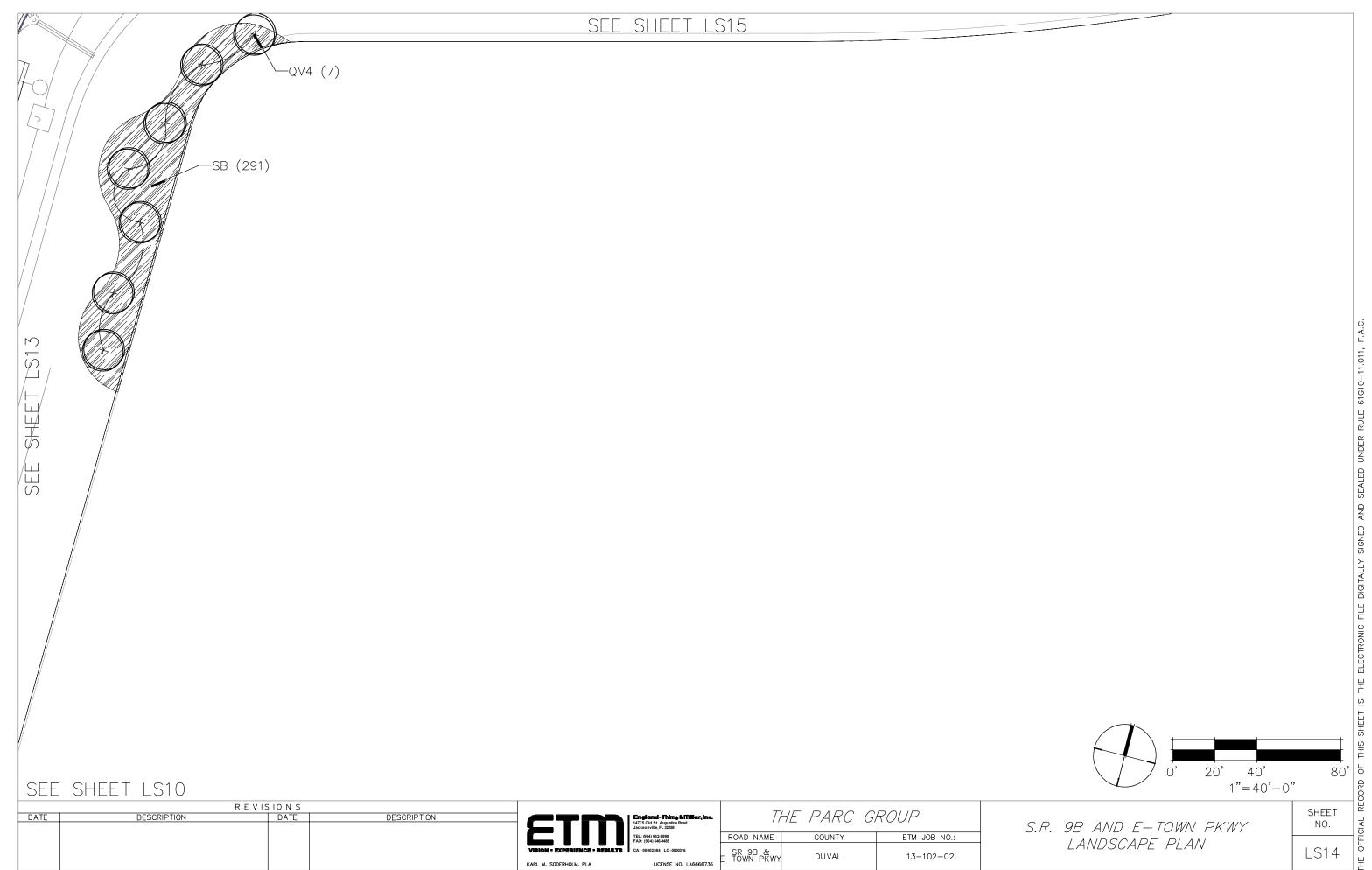




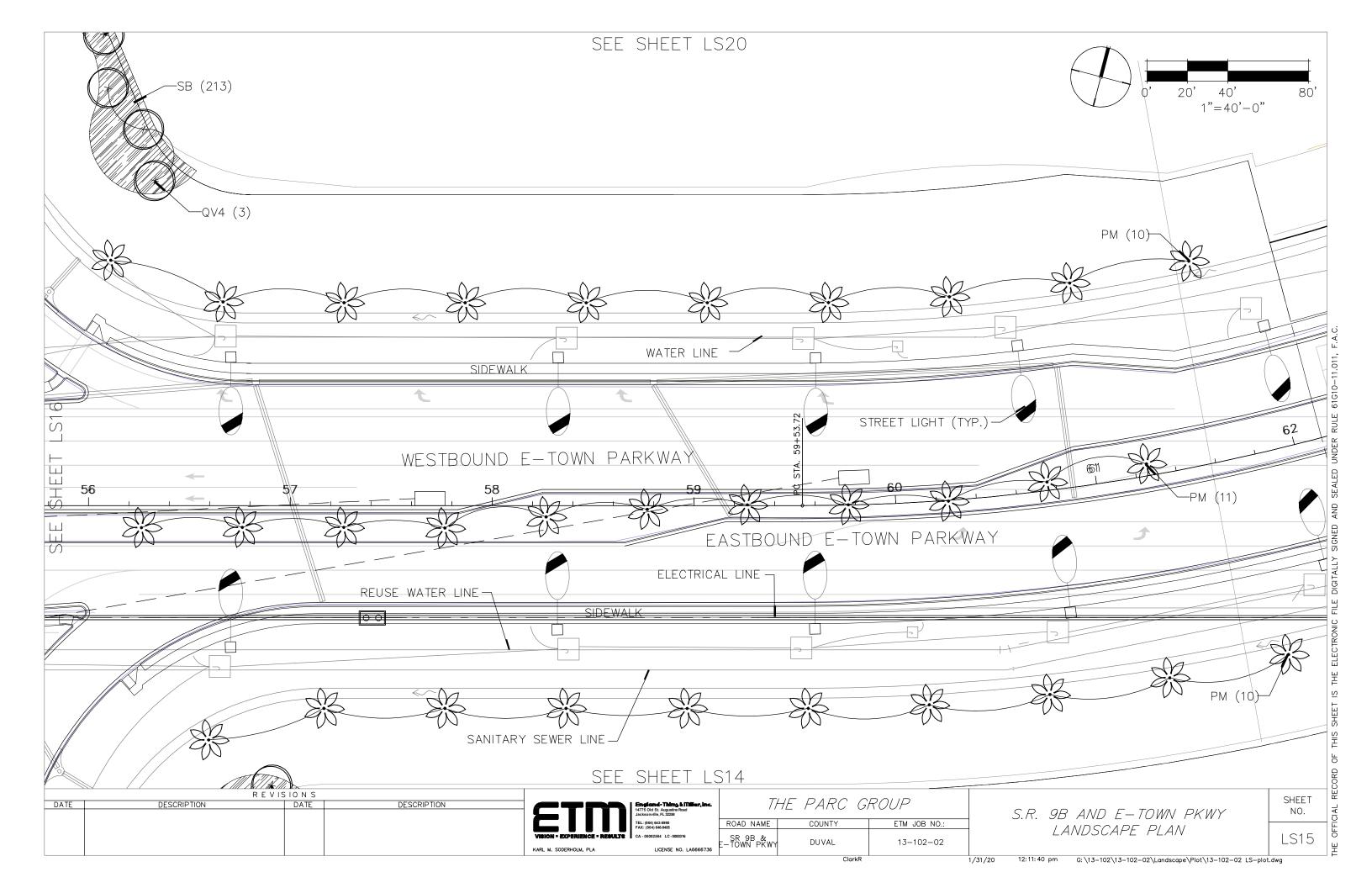


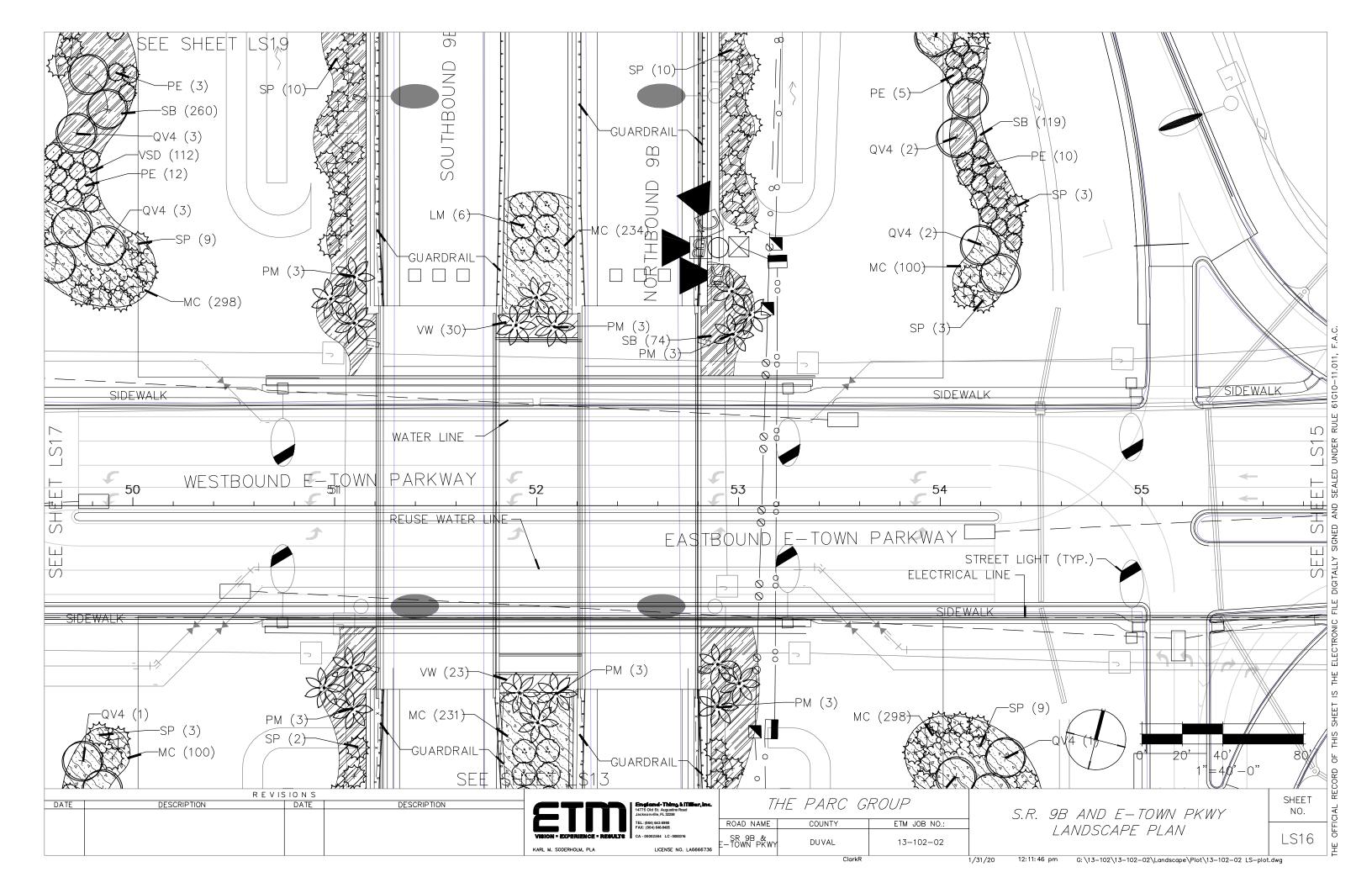


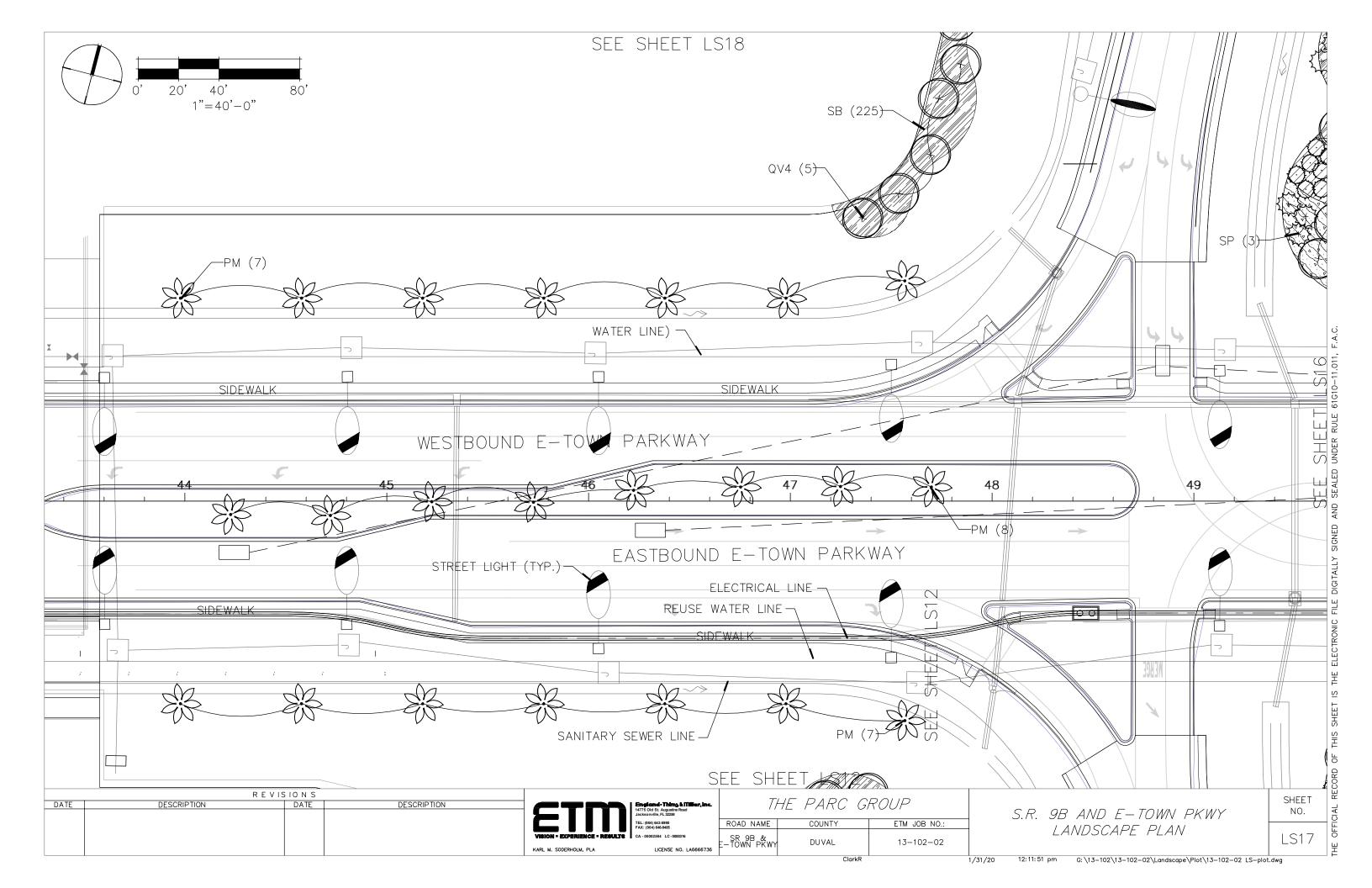


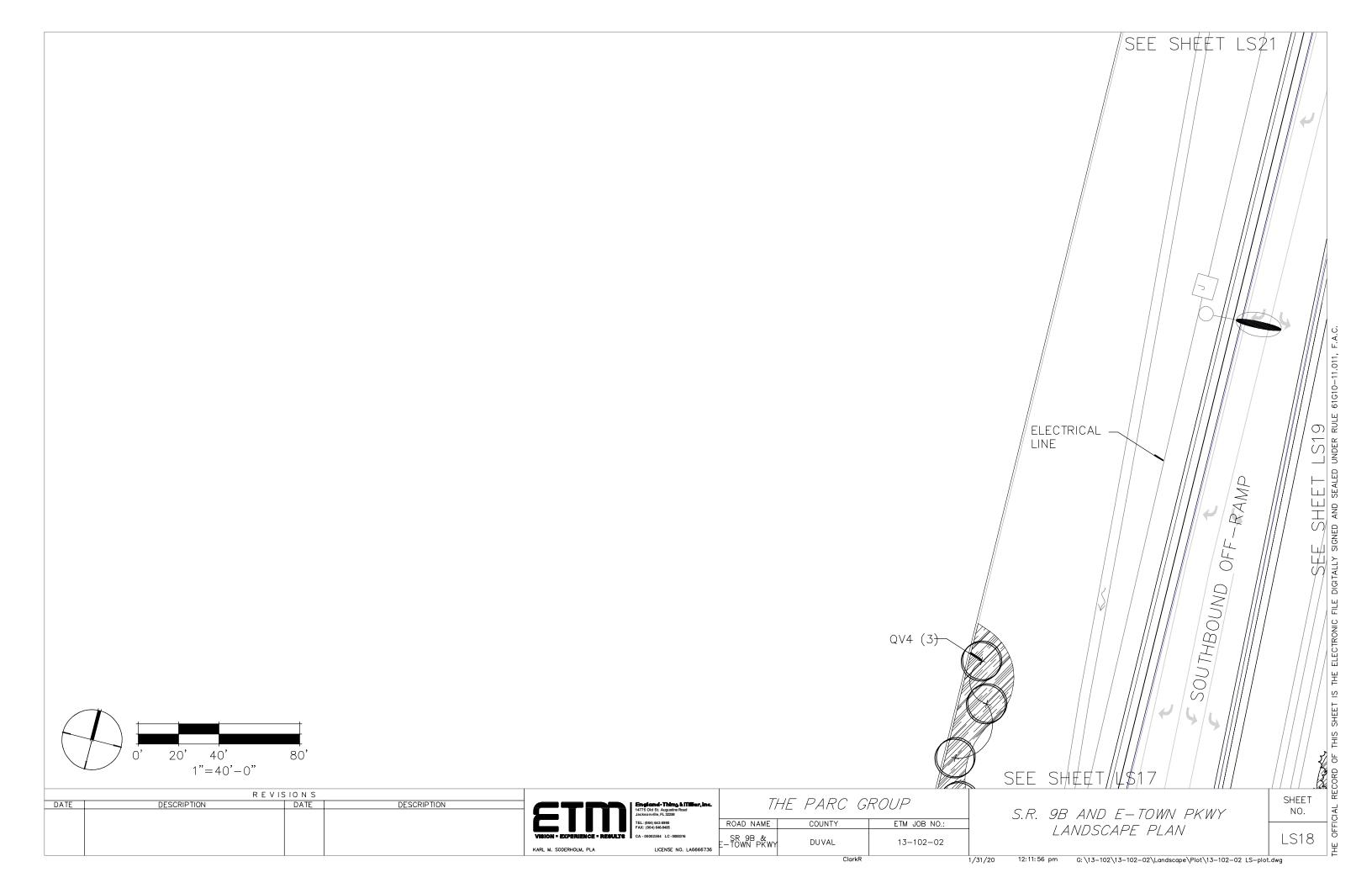


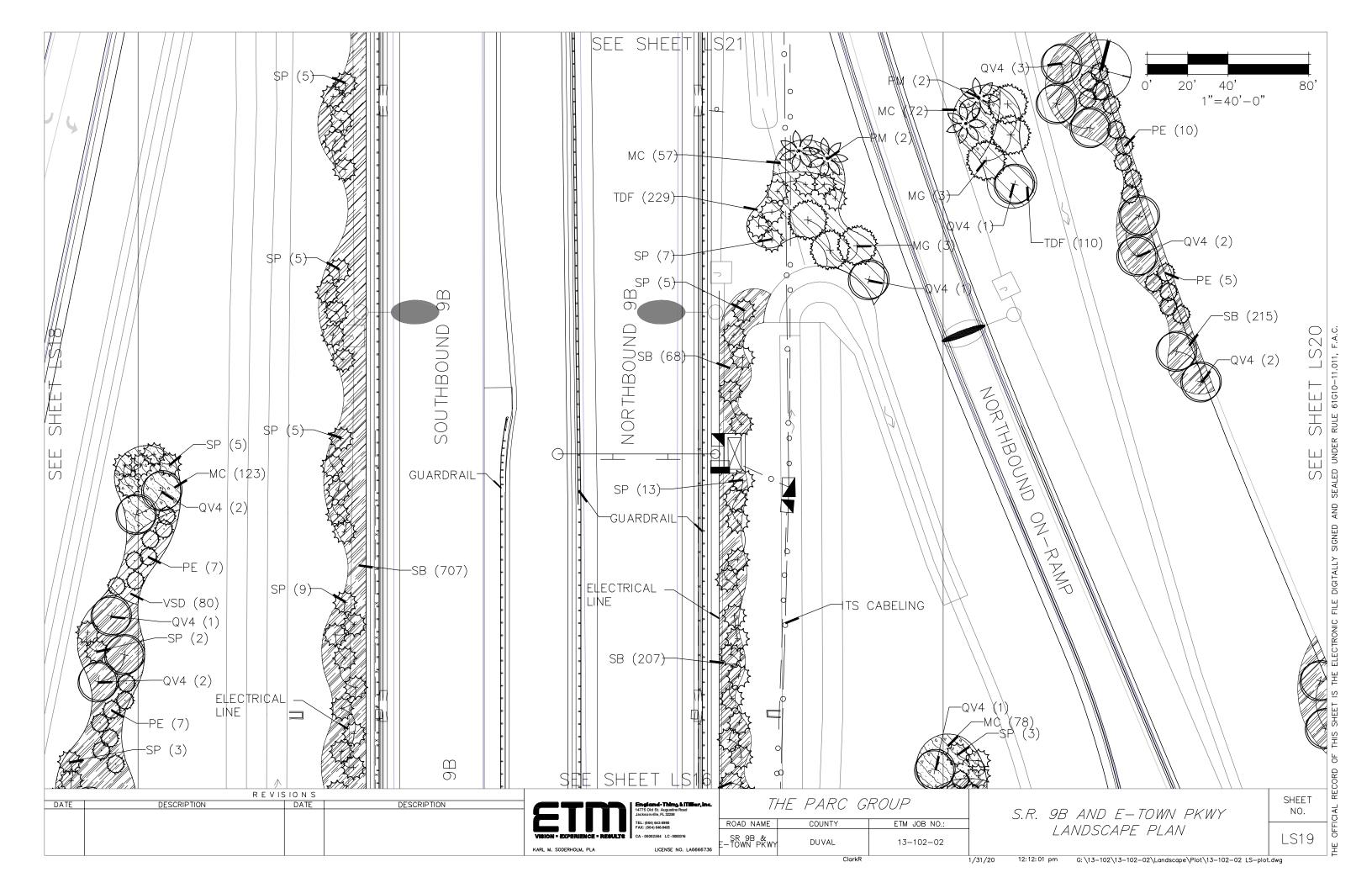
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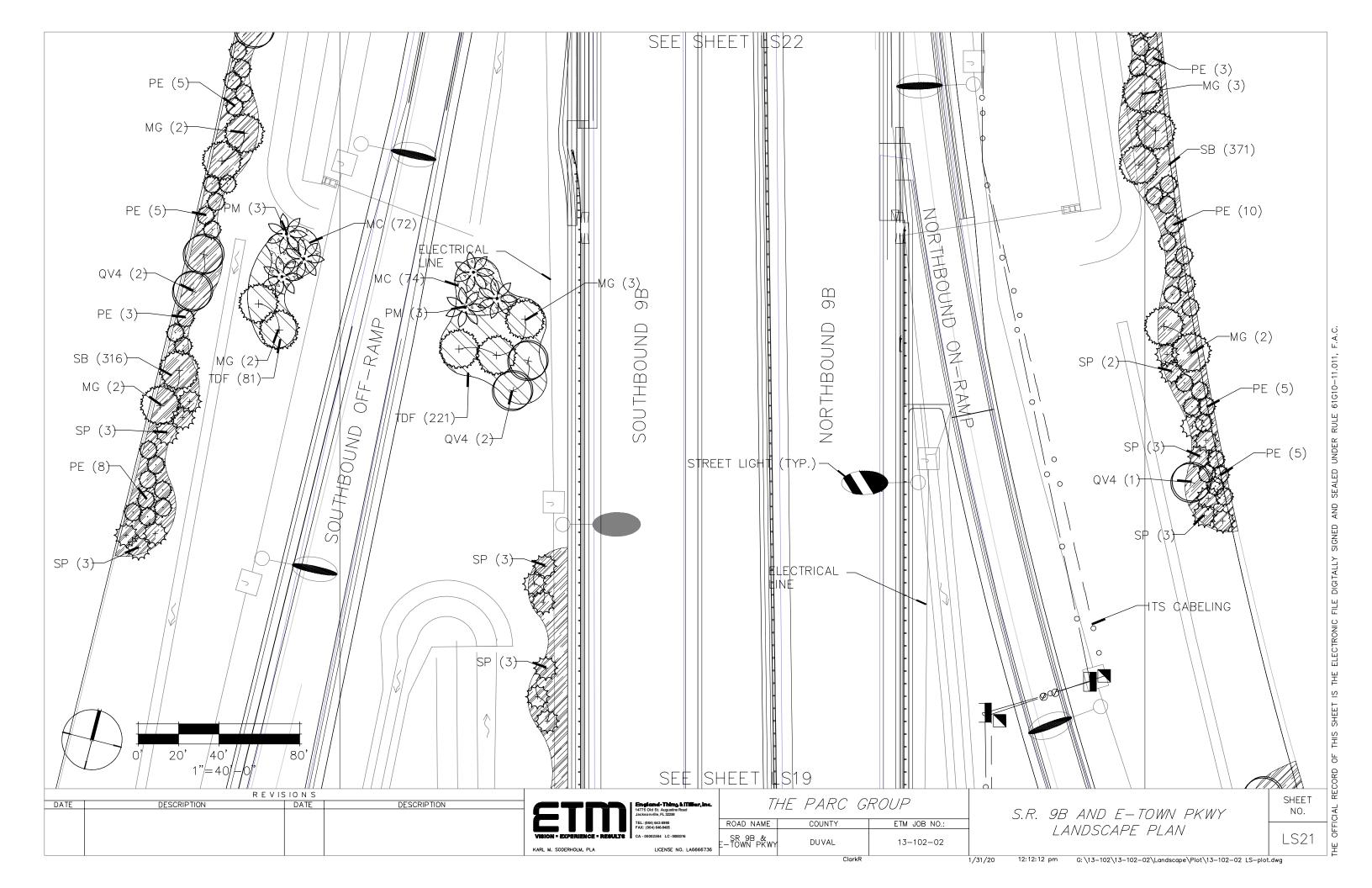
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ROAD NAME	COUNTY	ETM JOB NO.:
SR 9B & E-TOWN PKWY	DUVAL	13-102-02

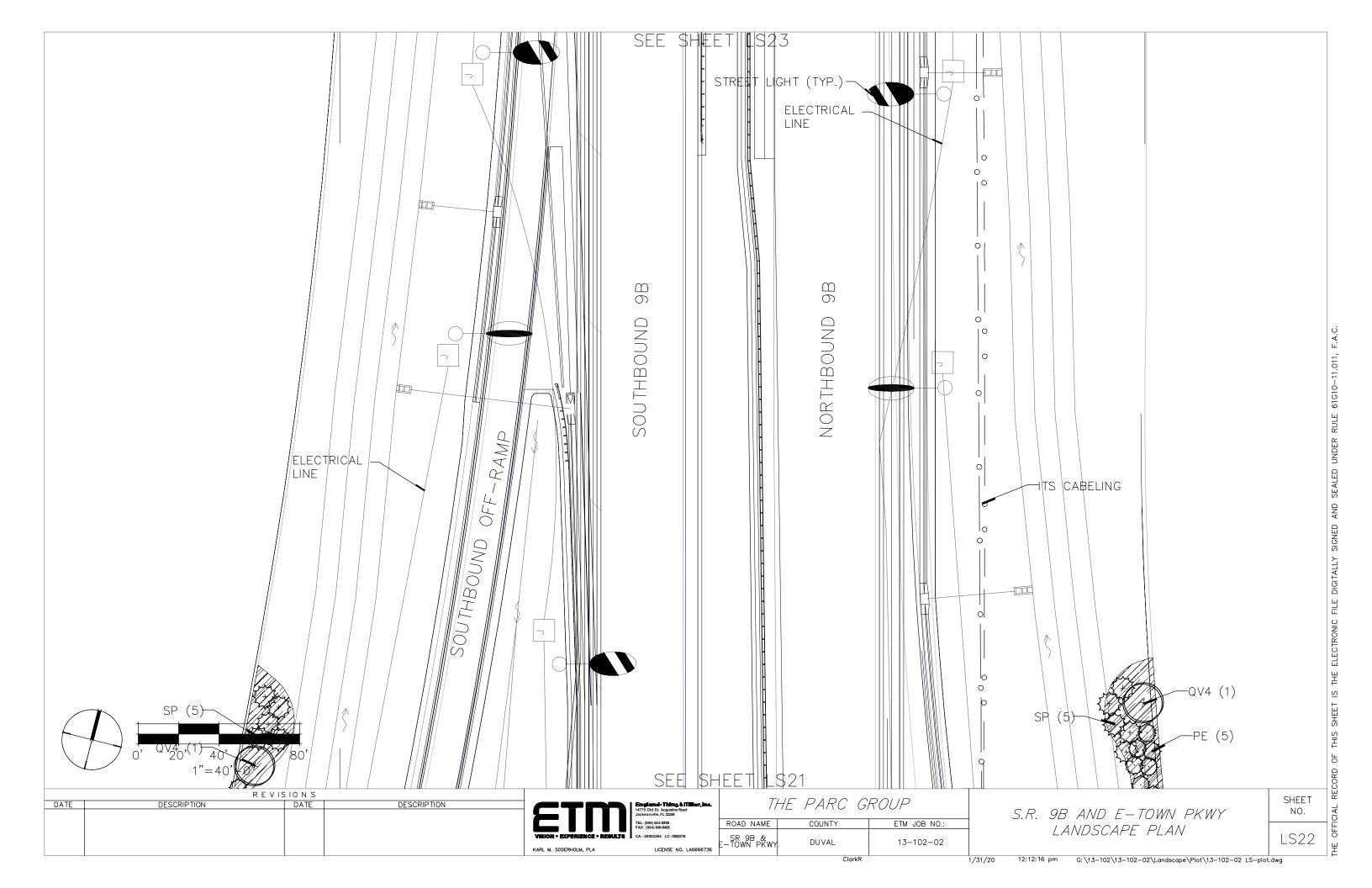
S.R. 9B AND E-TOWN PKWY LANDSCAPE PLAN

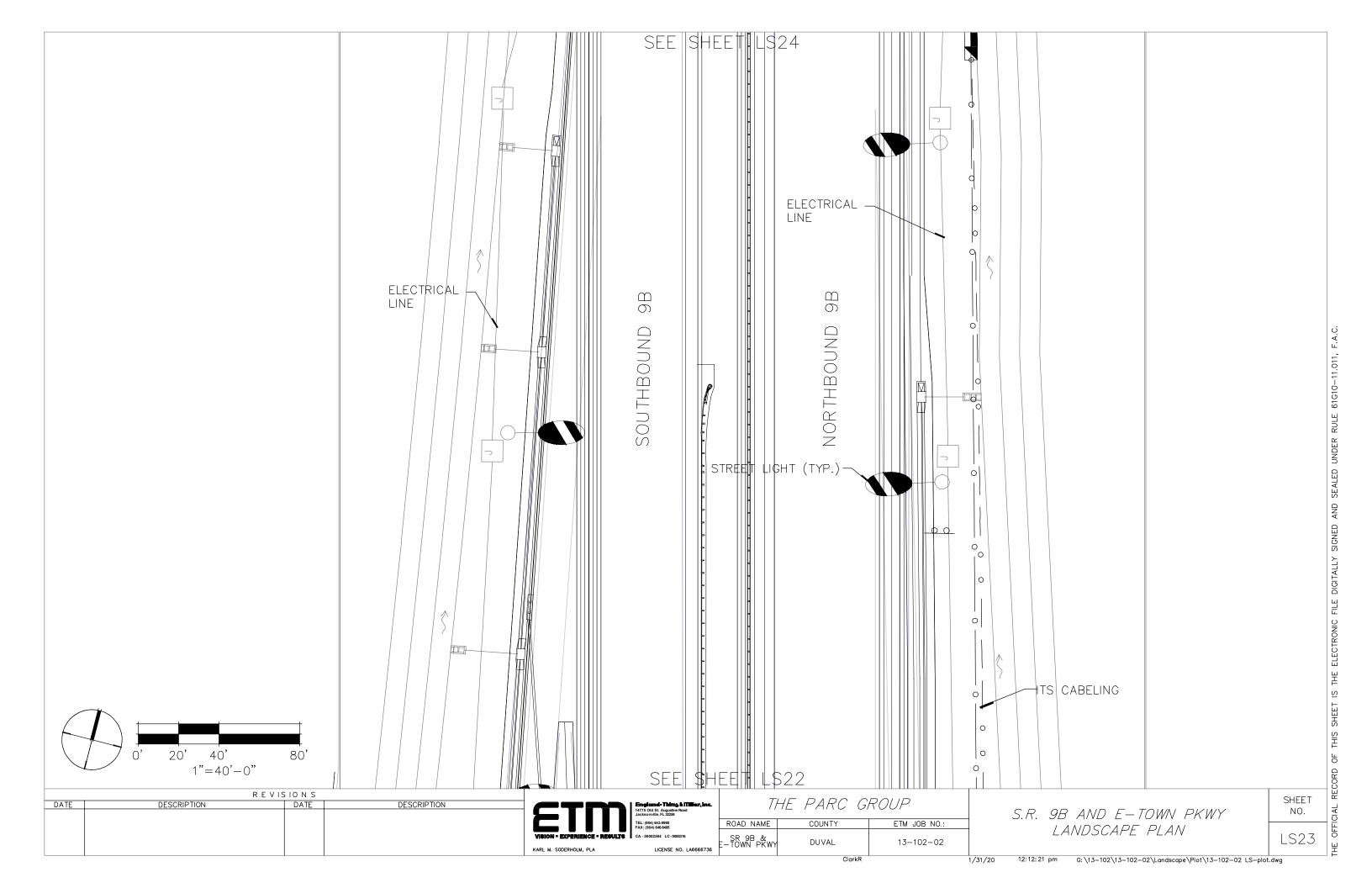
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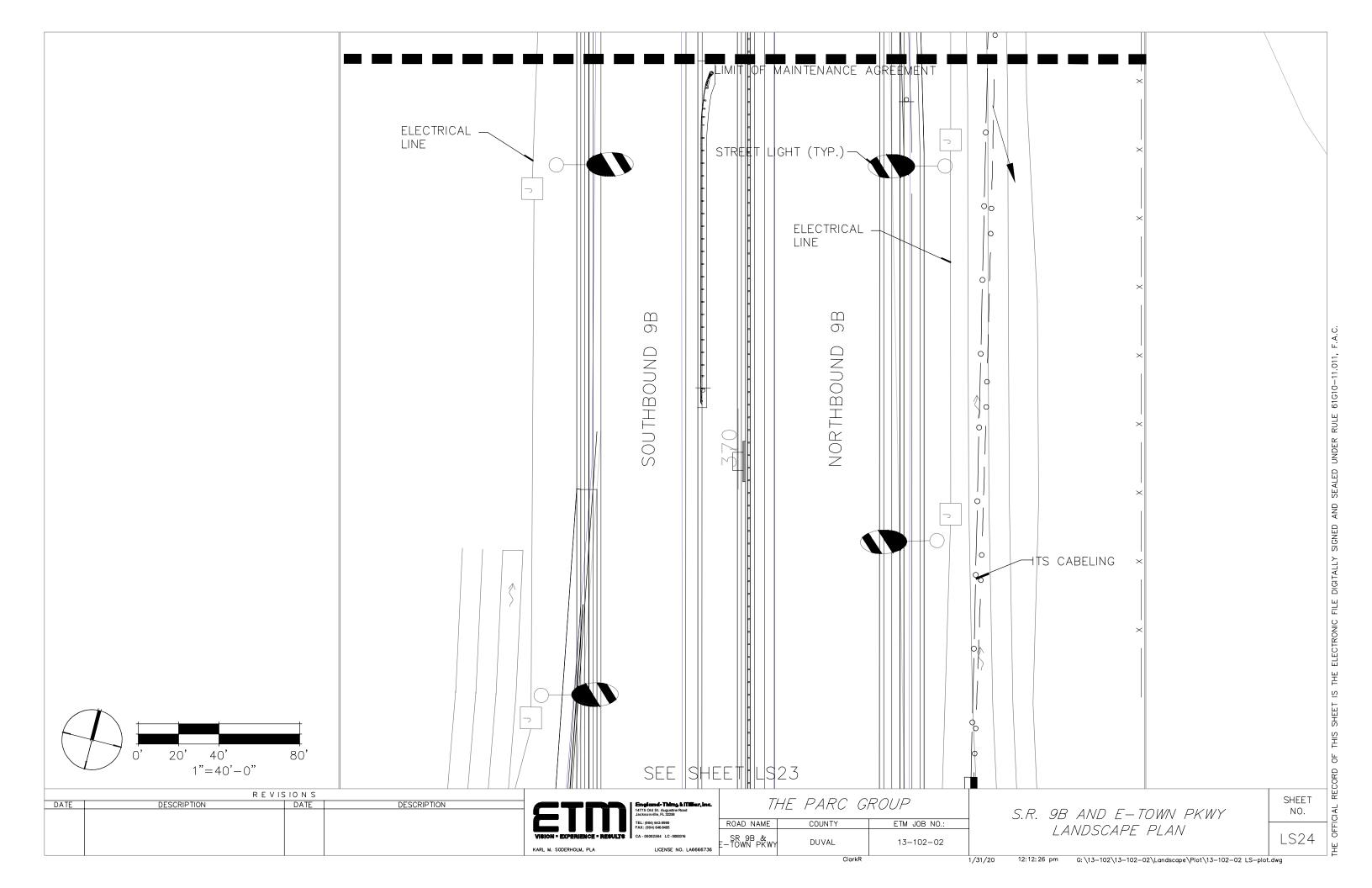
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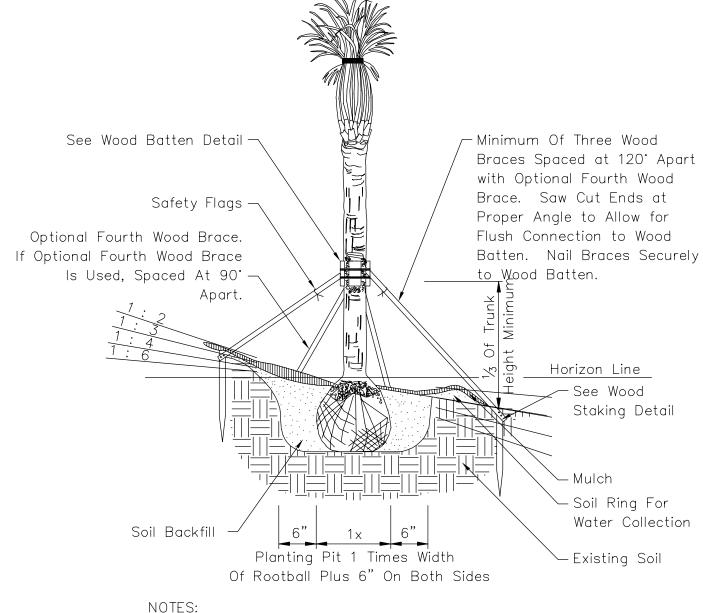
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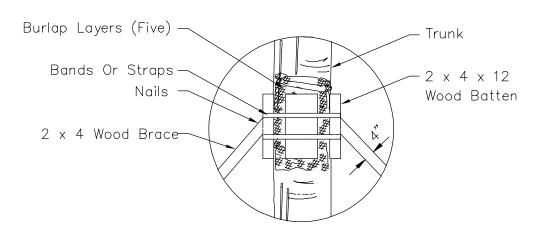




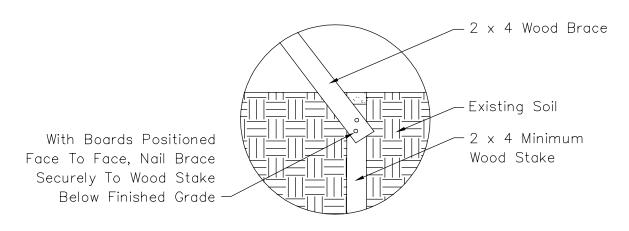








WOOD BATTEN DETAIL



TES:

Slope Provided As Rise: Run. For Palms Over 24' Clean Trunk, Use Detail Provided In Contract Plans.

PALM PLANTING ON SLOPE FOR UP TO 24' CLEAR TRUNK NOTE: Stake Into Firm, Existing Soil.
WOOD STAKING DETAIL

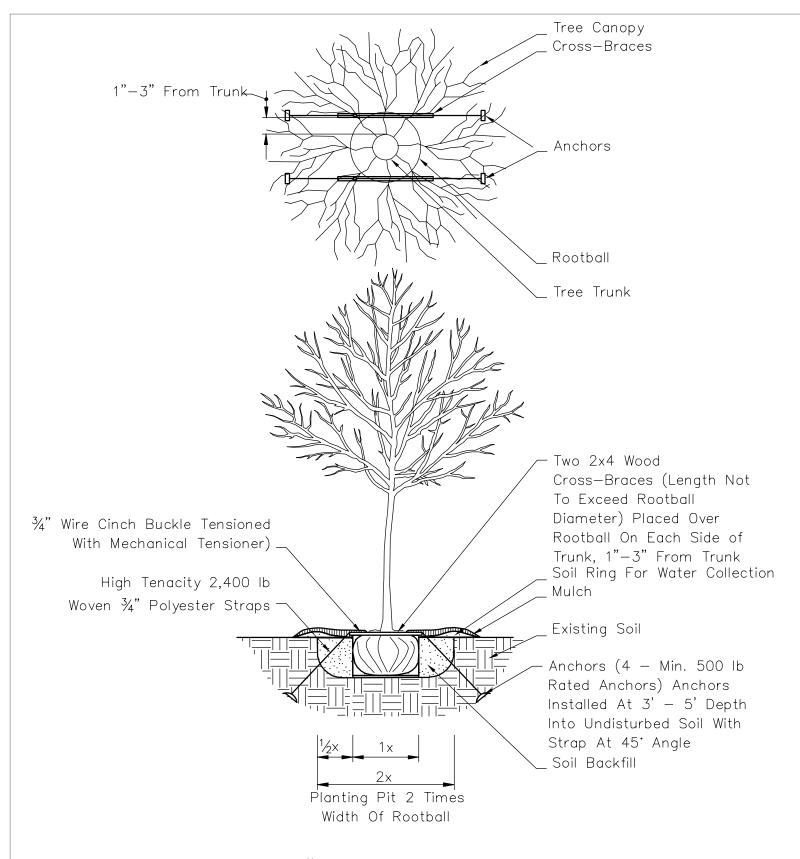
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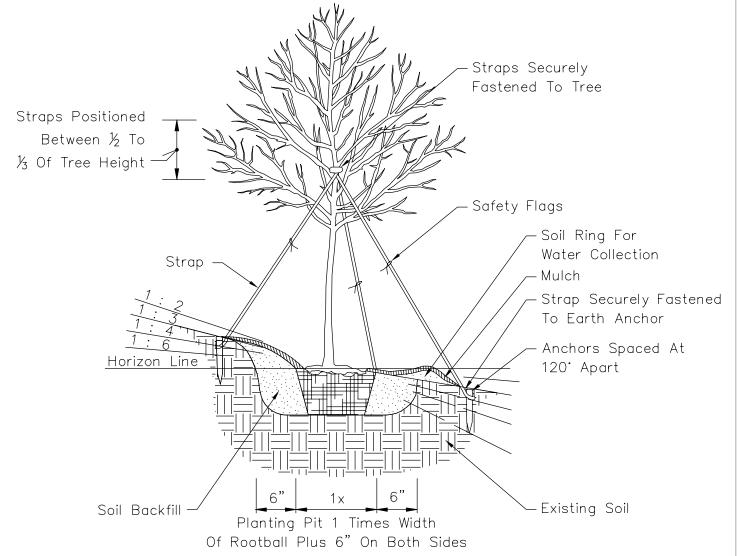
	England-Thims & Miller, inc. 14775 Old St. Augustine Road Jacksonville, FL 32258	
	TEL: (904) 642-8990 FAX: (904) 646-9485	
VISION - EXPERIENCE - RESULTS	CA - 00002584 LC - 0000316	
KARL M. SODERHOLM, PLA	LICENSE NO. LA6666736	

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	ROAD NAME	COUNTY	ETM JOB NO.:
<b>16</b>	SR 9B & E-TOWN PKWY	DUVAL	13-102-02

S.R. 9B AND E-TOWN PKWY LANDSCAPE DETAILS SHEET NO.

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NOTE: Slope Provided As Rise:Run.

4" AND LARGER CALIPER TREE PLANTING ON SLOPE

# UNDER 4" CALIPER TREE PLANTING WITH UNDERGROUND BRACING

R E VISIO N S			
DATE	DESCRIPTION	DATE	DESCRIPTION

	England-Thims & Miller, Inc. 14775 Old St. Augustine Road
	Jacksonville, FL 32258 TEL: (904) 642-8990
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KARL M. SODERHOLM, PLA	LICENSE NO. LA6666736

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