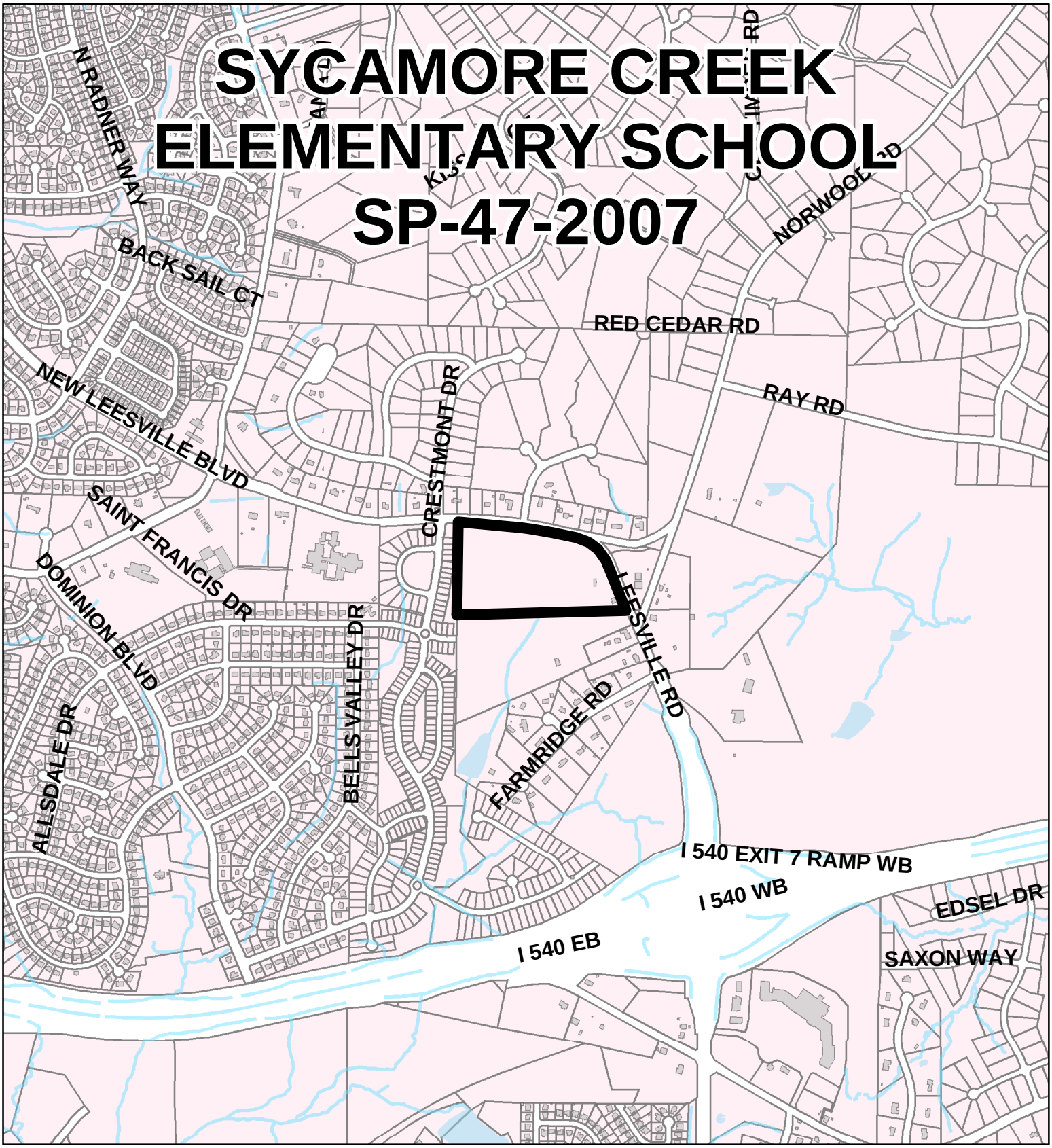
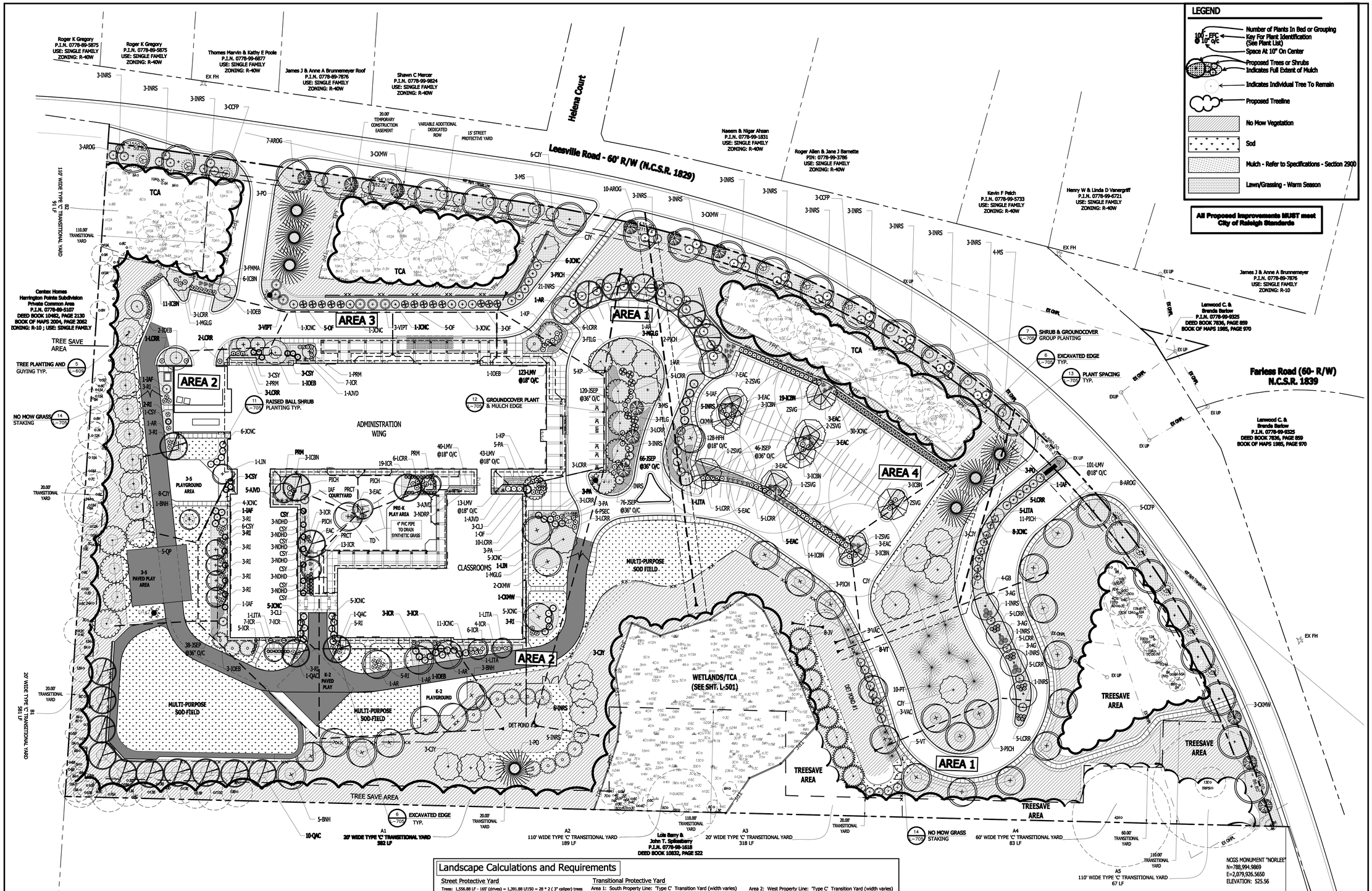


SP-47-07 SYCAMORE CREEK ELEMENTARY SCHOOL, 15.81 ACRES
103,556 SQ FT ZONED R-4, NORTHWEST PLANNING DISTRICT
NORTHWEST CAC, PLANNER: S. BARBOUR (919) 516-2631
APPLICANT CONTACT: MCNEELY ASSOCIATES
(919) 782-9677, SYCAMORE CREEK DRAINAGE BASIN

0 305 610 1,220 1,830 2,440
Feet



Landscape Calculations and Requirements

Street Protective Yard

Trees: 1,556.88 LF - 165' (drives) = 1,391.88 LF/50 = 28 * 2 (3" caliper) trees
- 56 Trees (3" Cal.) Req'd
- => 3" Cal.- 28 Trees existing
- 28 Shade Trees (3" Cal.) provided

Vehicular Surface Area

Street Yard Plantings are not required

Interior Plantings
Area 1: Main Entrance Drive & Parking = 49,282 S.F.
Trees: 49,282 SF/2,000 = 25 Trees Req'd
- 28 Trees Provided

Shrubs: 49,282 SF/500 S.F. = 99 Shrubs Req'd - 99 Shrubs Provided

Area 2: Service Area = 29,103 S.F.
Trees: 29,103 SF/2,000 = 15 Trees Req'd
- 12 Trees Provided

Shrubs: 29,103 SF/500 S.F. = 58 Shrubs Req'd - 58 Shrubs Provided

Area 3: Bus Loop = 17,758 S.F.
Trees: 17,758 SF/2,000 = 9 Trees Req'd
- 9 Trees Provided

Shrubs: 17,758 SF/500 S.F. = 36 Shrubs Req'd - 36 Shrubs provided

Area 4: Staff Lot = 33,233 S.F.
Trees: 33,233SF/2,000 = 17 Trees Req'd
- 17 Trees Provided

Shrubs: 33,233 SF/500 S.F. = 67 Shrubs Req'd - 67 Shrubs Provided

Transitional Protective Yard

Area 1: South Property Line: 'Type C' Transition Yard (width varies)

Area A1 (20' width): Trees: 582 L.F./100 = 5.82 * 7 = 41 Trees Req'd
- >41 Trees existing

Shrubs: 582 L.F./100 = 5.82 * 80 = 466 Shrubs Req'd
- Existing vegetation meets requirements

Area A2 (110' width): Trees: 189 L.F./100 = 1.89 * 3 = 6 Trees Req'd
- >6 Trees existing

Shrubs: 189 L.F./100 =1.89 * 10 = 19 Shrubs Req'd
- Existing vegetation meets requirements

Area A3 (20' width): Trees: 318 L.F./100 = 3.18 * 7 = 22 Trees Req'd
- >22 Trees existing

Shrubs: 318 L.F./100 = 3.18 * 80 = 254 Shrubs Req'd
- Existing vegetation meets requirements

Area A4 (60' width): Trees: 83 L.F./100 = 0.83 * 4 = 3 Trees Req'd
- > 3 Trees existing

Shrubs: 83 L.F./100 = 0.83 * 25 = 21 Shrubs Req'd
- Existing vegetation meets requirements

Area A5 (110' width): Trees: 67 L.F./100 = 0.67 * 3 = 2 Trees Req'd
- > 2 Trees existing

Shrubs: 67 L.F./100 = 0.67 * 10 = 7 Shrubs Req'd
- Existing vegetation meets requirements

Area 2: West Property Line: 'Type C' Transition Yard (width varies)

Area B1 (20' width): Trees: 581 L.F./100 = 5.81 * 7 = 41 Trees Req'd
- > 41 Trees existing

Shrubs: 581 L.F./100 = 5.81 * 80 = 465 Shrubs Req'd
- Existing vegetation meets requirements

Area B2 (110' width): Trees: 91 L.F./100 = 0.91 * 3 = 3 Trees Req'd
- > 3 Trees existing
- > 2 Trees provided

Shrubs: 69 L.F./100 =0.69 * 20 = 14 Shrubs Req'd
- Existing vegetation meets requirements

PLANT LIST (SEE SHEET L-706)

NOTE:
Improvements for Lessville road are shown for reference only. See drawings by Sepi engineering for documentation regarding Leesville road improvements inside of right of way.

NC Grid Coordinates - The only true NC Grid Coordinate is located at the southeast corner of the property and was provided by the surveyor (N=788,994.9869, E=2,079,926.5650). All other coordinate references are based on that corner as an origin, and on simple (cadd) plane geometry without geodetic corrections. See sheet L-1.1

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NOT FOR CONSTRUCTION

NORTH CAROLINA REGISTERED ARCHITECT C-39 SMALL KANE ASSOCIATES

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 299 DENISE E. SEPI

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Fax: (919)-789-9591

WAKE COUNTY PUBLIC SCHOOL SYSTEM

SYCAMORE CREEK
E17 ELEMENTARY
SCHOOL

WAKE COUNTY PUBLIC
SCHOOL SYSTEM
5551 Rock Quarry Road
Raleigh, North Carolina 27610
(919)-850-1600

WC PROJECT#: 859-617
ARCHITECTS PROJECT#: 060340.00

RALEIGH, NC

PLANTING PLAN

L-401

22 MARCH 2007

SKE17