EXISTING TREE CANOPY

TREE MITIGATION CALCULATIONS:
- TOTAL EXISTING TREE CANOPY: 130,300 SF x 43,560 = 3 AC

- 3 AC x 25% = 0.75 AC of allowed tree canopy removal
- Proposed removal area of tree canopy: 3 AC
- Required 2:1 tree canopy mitigation (3 AC - 0.75 AC allowed) x 2 = 4.5 AC

- Number of trees required: 4.5 AC x 43,560 SF/AC = 196,020 SF
  - 196,020 SF / 500 SF per tree = 392 trees

NOTE:
- Calculations are based off the preliminary plat tree mitigation plan completed on September 13, 2004. Coordination was conducted with Tim Fries.

- 53 trees will be replaced at a 3 shrub per tree ratio

Know what's below. Before you dig. Call:
- 14710 W. DODGE RD, STE. 100
- OMAHA, NE 68154
- 402.496.2498
- LampRynearson.com

AARON GROTE

NOTE:
- All tree mitigation in outlot C is part of phase 2 after stream restoration is complete.
EXISTING TREE DELINEATION

9,129 sq.ft.

9,349.5 sq.ft.

2,329.1 sq.ft.

40,380 sq.ft.

999.4 sq.ft.

1085.6 sq.ft.

8,381.1 sq.ft.

4,126.2 sq.ft.

8,777.8 sq.ft.

27,445.4 sq.ft.

TREE MITIGATION CALCULATIONS:

TOTAL EXISTING TREE CANOPY: 112,003.1 AC

PROPOSED REMOVAL AREA OF TREE CANOPY: 112,003.1 AC

112,003.1 AC X 25% = 28,000.8 SF OF ALLOWED TREE CANOPY REMOVAL

TREE CANOPY MITIGATION REQUIRED: (112,003.1 SF - 28,000.8 SF ALLOWED) = 84,002.3 SF

NUMBER OF MITIGATION TREES REQUIRED (1:2 REMOVED TO RESTORED RATIO):

84,002.3 SF / 500 SF PER TREE = 336 TREES

NOTE: NUMBER OF TREES REQUIRED:

4.5 AC X 43,560 SF/AC =196,020 SF

196,020 SF / 500 SF PER TREE = 392 TREES

NOTE: CALCULATIONS ARE BASED OFF THE PRELIMINARY PLAT TREE MITIGATION PLAN COMPLETED ON SEPTEMBER 13, 2004. COORDINATION WAS CONDUCTED WITH TIM FRIES.