

BUILDING CRITERIA

PROJECT: A DAY CARE CENTER  
ADDRESS: VOLCANO PLAZA  
ALBUQUERQUE, NEW MEXICO  
OWNER:

ARCHITECT: CLAUDIO ANTONIO VIGIL  
323 ROMERO NW SUITE 9  
ALBUQUERQUE, NEW MEXICO  
PHONE: 505 247 1000

LEGAL DESCRIPTION: PORTION OF LOT-A & LOT-B  
NORTHERN HEIGHTS SUBDIVISION  
SECTION-13 T-10-N, R-2-E  
N.M.P.M. BERNALILLO COUNTY,  
NEW MEXICO.

BUILDING TYPE: DAY CARE (E-3)

CONSTRUCTION TYPE: TYPE 5N  
AREA ALLOWED IN TYPE 5N = 9,100 sq. ft.

GROSS SQUARE FOOTAGE = 4,875 sq. ft.

OCCUPANT LOAD = 99

EXIT WIDTH REQUIRED = 99/50 = 1.98 sq. ft.

EXIT WIDTH PROVIDED = 18'-0"

PARKING

PARKING REQUIRED = 12

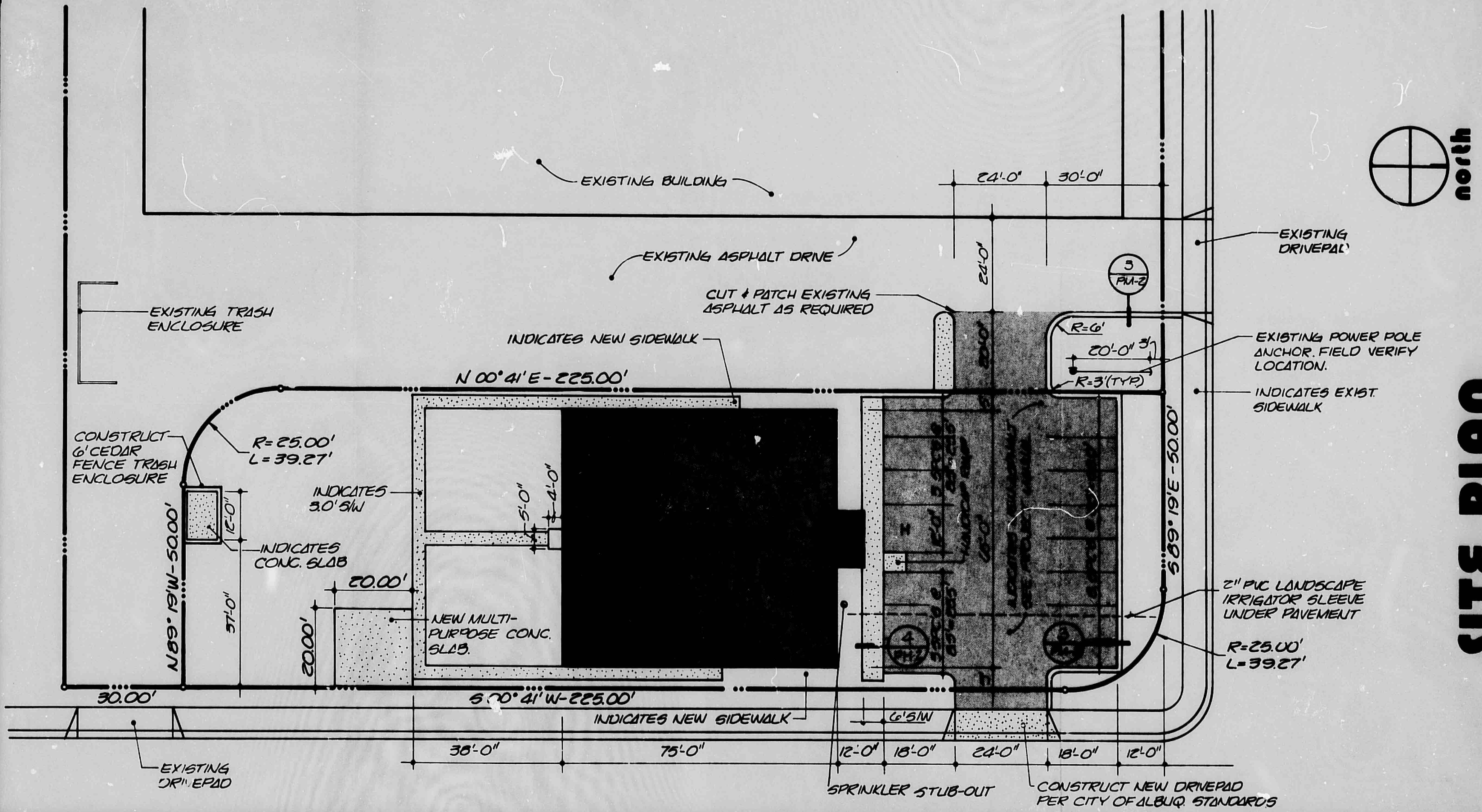
PARKING PROVIDED = 14 + 1 HANDICAP SPACE.

INDEX TO DRAWINGS

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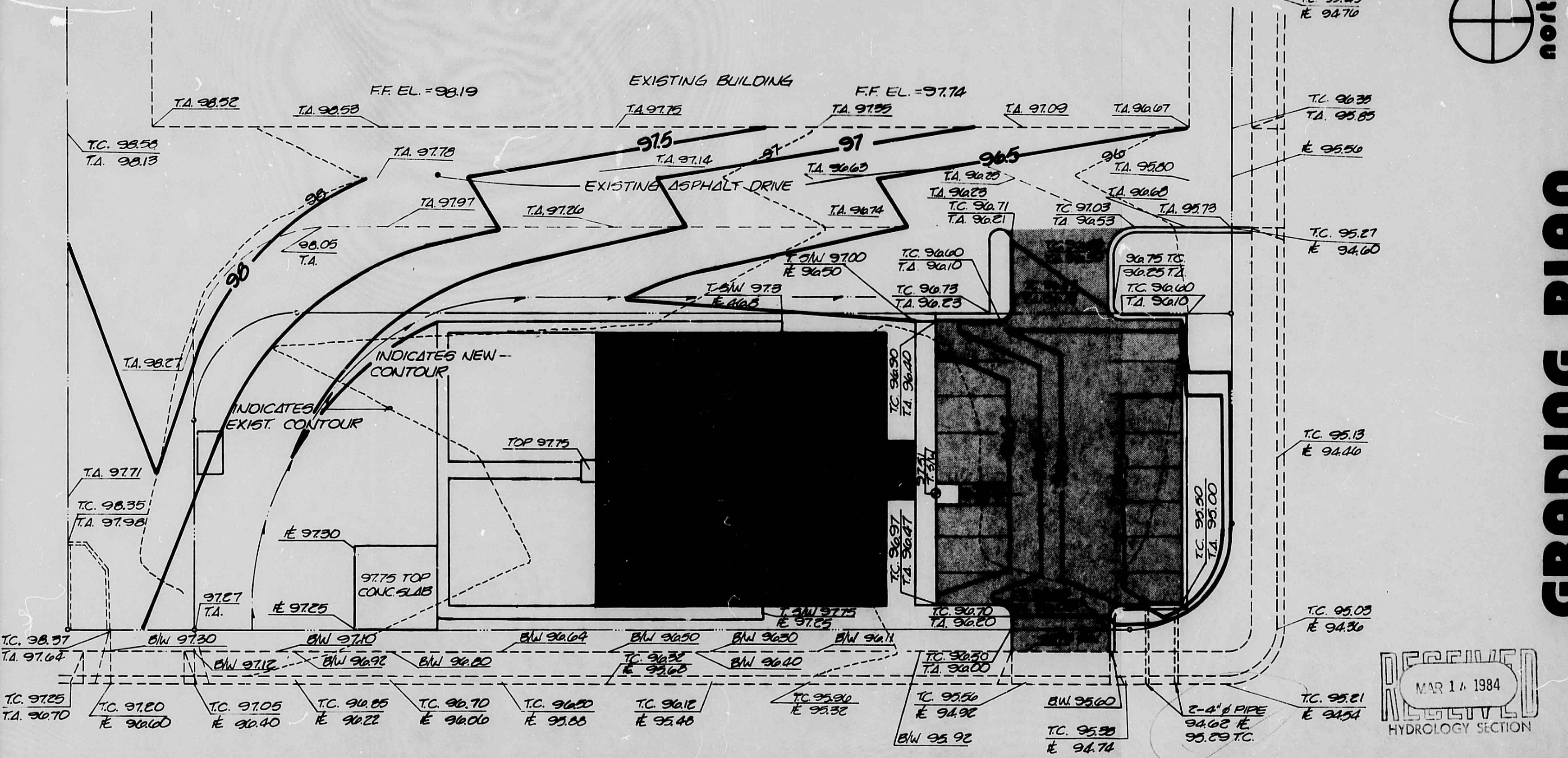
GENERAL STRUCTURAL NOTES

1. CONCRETE has been designed and shall be constructed in accordance with the American Concrete Institute Building Code (A.C.I. 318-77) and (A.C.I. 301-72) "Specifications for Structural Concrete for Buildings". Section 1.3 "Inspection" of A.C.I. 318-77 is deleted in entirety, see "Field Observations" paragraph. All concrete, except as noted otherwise, shall be of stone aggregate concrete, 5,000 psi minimum compressive strength at 28 days.
2. REINFORCING is to be new billet steel A.S.T.M. A615, grade 60, except ties and bris to be grade 40. Welded wire fabric shall be in accordance with A.S.T.M. A185. Provide corner bars to match all horizontal reinforcing in cast-in place walls. Provide not less than 2 #5 around all sides of all openings in concrete and extend 2'-0" past edges of openings. Provide lap splices as follows: #5 = 20", #1 = 16".
3. BAR PLACING: All reinforcing shall be placed in a manner so as to avoid displacement when placing concrete. Bars shall be placed to clearances noted on drawings. Placing shall be in accordance with C.R.S.I. "Placing Reinforcing Bars". The bar placer is to familiarize himself with all details shown on the structural drawings and shall use these drawings in conjunction with approved shop drawings for placement of reinforcing.
4. STRUCTURAL STEEL including cast-in angles, plates or other sections shall be detailed and erected in accordance with the American Institute of Steel Construction (A.I.S.C.) Specifications and Code of Standard Practice. Use A56 steel and A50" bolts.
5. WOOD shall be douglas fir-larch - Stads; Construction grade, joists: #2 and better, Beams: #1 grade. Provide 1 x 4 cross bridging at 8'-0" o.c. maximum and solid blocking between joists at all supports. All wood construction shall be in conformance with the "National Design Specifications for Stress-Grade Lumber and It's Fastenings", latest edition.
6. TRUS-JOIST members shall be as manufactured by the Trus-Joist Corp., Boise, Idaho, or approved equal. Supplier shall furnish shop drawings showing all joists, bridging, blocking, misc. accessories for approval before starting fabrication. The contractor is not to cut, notch or otherwise alter the trusses without the written permission of the structural engineer.
7. FOUNDATIONS: The structure is to be founded on footings with an allowable bearing pressure of 2,000 psf. See soil report as prepared by F.M. Fox & Associates for the proceeding and all other pertinent information. The contractor shall be fully versed in all aspects of the soil report prior to starting construction.
8. FIELD OBSERVATION: The contractor shall inform the Architect at least 24 hours prior to casting any concrete so as to allow the architect the opportunity to review the placement of embedded items. CONTACT: Neujhar & Gorman Structural Engineers, PHONE: 1-505-377-2772.
9. LIVE LOADS USED IN DESIGN:  
Roof (snow).....25psf  
Wind.....1982 UBC  
Seismic.....UBC Zone 2



SITE PLAN

SCALE: 1"=20'



GRADING PLAN

SCALE: 1"=20'

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claudio antonio vigil

