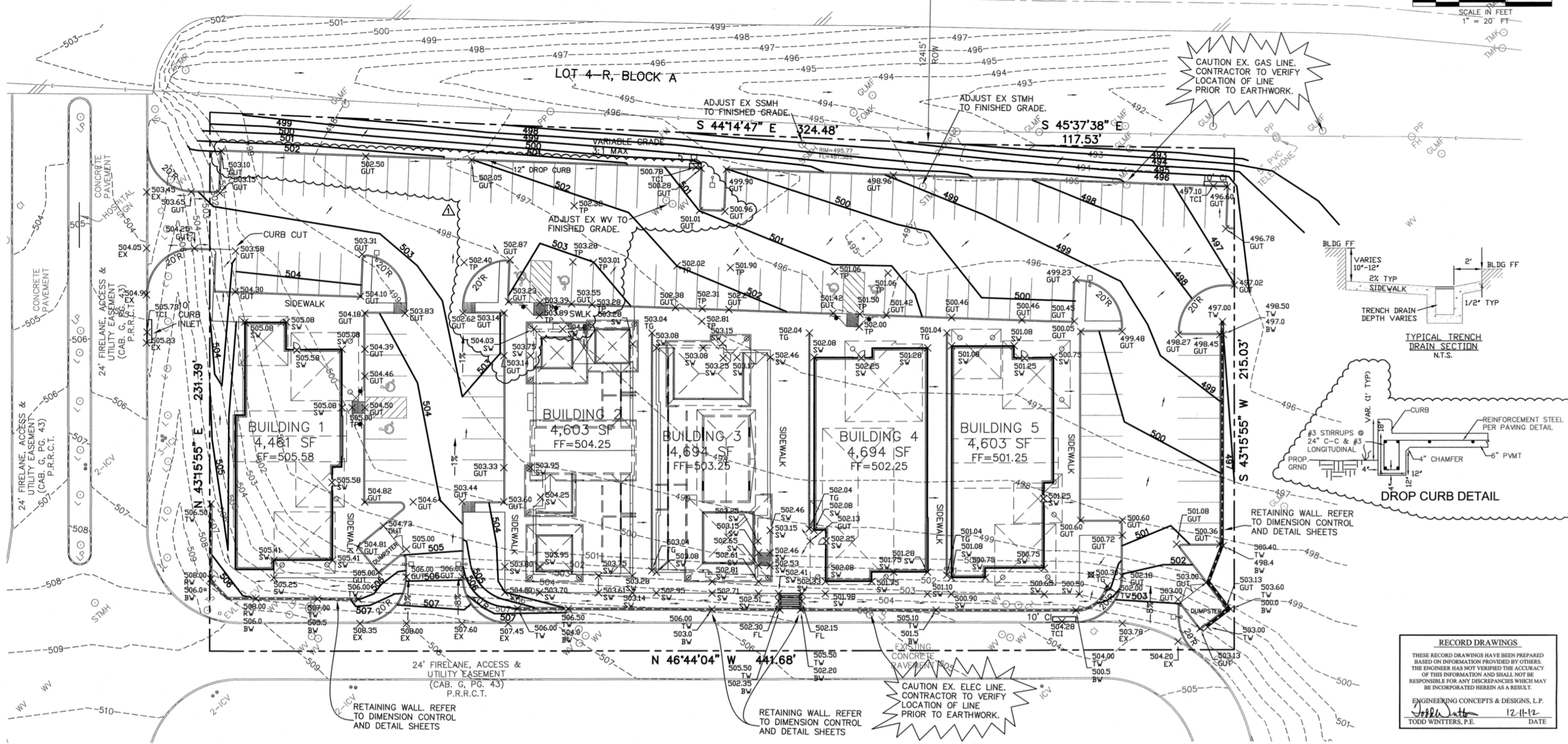
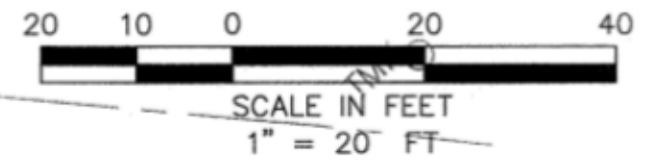


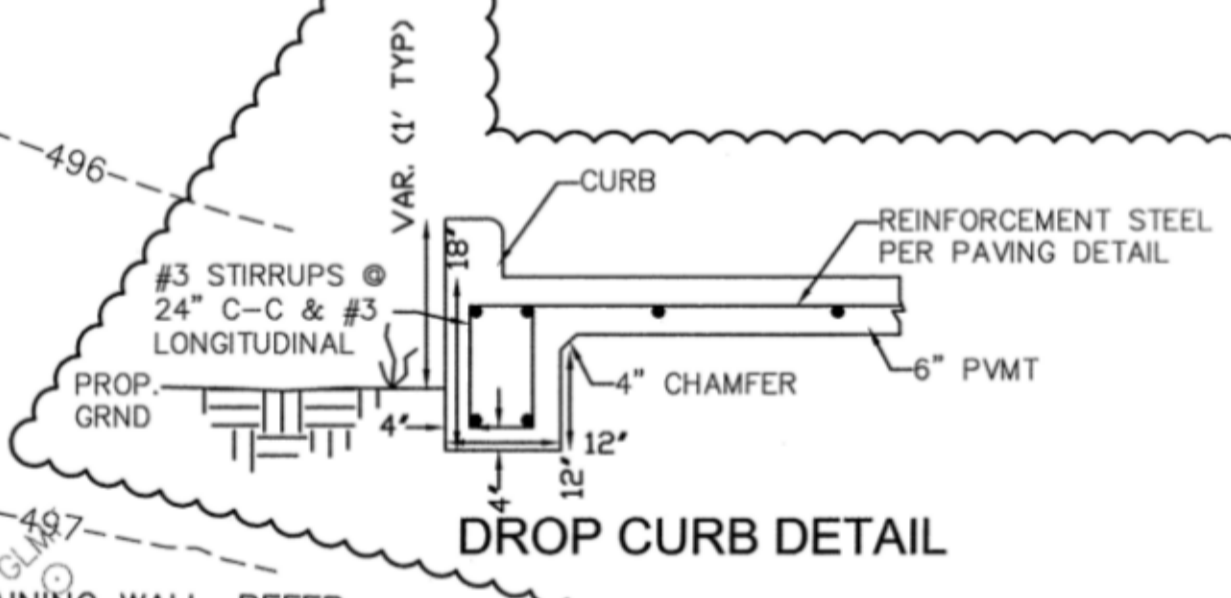
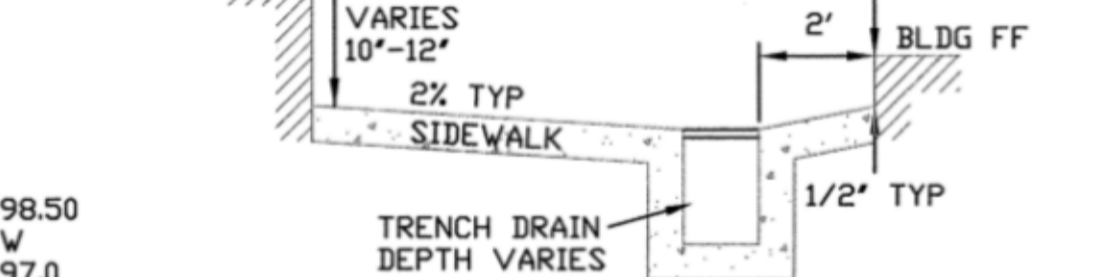
HORIZON ROAD  
(F.M. ROAD NO. 3097)

ASPHALT PAVEMENT



CAUTION EX. GAS LINE.  
CONTRACTOR TO VERIFY  
LOCATION OF LINE  
PRIOR TO EARTHWORK.

CAUTION EX. ELEC. LINE.  
CONTRACTOR TO VERIFY  
LOCATION OF LINE  
PRIOR TO EARTHWORK.



**RECORD DRAWINGS**  
THESE RECORD DRAWINGS HAVE BEEN PREPARED  
BASED ON INFORMATION PROVIDED BY OTHERS.  
THE ENGINEER HAS NOT VERIFIED THE ACCURACY  
OF THIS INFORMATION AND SHALL NOT BE  
RESPONSIBLE FOR ANY DISCREPANCIES WHICH MAY  
BE INCORPORATED HEREIN AS A RESULT.  
ENGINEERING CONCEPTS & DESIGNS, L.P.  
TODD WINTTERS, P.E. 12-11-12 DATE

- CLEARING AND GRADING NOTES:**
- Scarifying Area to be Filled: In areas where fills are desired, the stripped surface shall be scarified to a depth of at least 6 inches for uniform compaction. The scarified surface shall be such that it is free from lumps and uneven surfaces.
  - Compacting Area to be Filled: After clearing and scarifying the area to be filled, the soils shall be brought to a moisture content of -2% to +4% wet of the optimum moisture value and compacted, in 6 inch maximum lifts, mechanically to at least 95% of Standard Proctor maximum dry density (ASTM D 698). All fill to be compacted using a sheep's foot roller.
  - Fill Material: On-site soil and/or rock could be used as random fill provided such material is free from vegetation and other deleterious substances. No fill material shall contain rocks or lumps having a diameter of 6 inches.
  - Depth and Mixing of Fill Layers: The fill materials shall be placed in level, uniform layers. Each layer shall be thoroughly bladed and mixed during spreading to insure uniform compaction. These materials shall be placed in loose lifts with density and moisture content shall conform to that specified herein.
  - Compaction of Fill Layer: Compaction equipment shall be capable of compacting all fill soils to the specified density. Compaction of all fill shall be accomplished with the material at the specified moisture content. Each fill layer shall be compacted uniformly with sufficient effort to achieve the specified degree of compaction.
  - Amount of Compaction: After each fill layer has been placed, mixed, and spread evenly, it shall be thoroughly compacted to a minimum 95% of the Standard Proctor density (ASTM D 698).
  - Moisture Content: All fill material shall be compacted at the appropriate moisture content as defined for the particular soil type. Each layer shall be brought to a moisture content of -2% to +4% wet of the optimum moisture value as determined by ASTM D 698. The compaction moisture content of limestone or other rock-like materials is not considered crucial, provided the proper degree of compaction is attained.
  - Slope Control: In areas where cut or fill slopes exceed 3 feet in depth/height, a slope ratio of one (vertical) to 4 (horizontal) shall not be exceeded. Compaction operations of fill slopes shall be continued until the slopes are stable.
  - Field Density: Field density tests of fill and/or backfill shall be controlled by an Engineering Testing Laboratory. Density tests shall be taken in the compacted material below the disturbed surface. When these tests indicate that the density or any layer of fill is below the required density, the particular soil or rock layer shall be reworked until the proper density and/or moisture content is achieved.
  - Supervision: Supervision by the Soils Engineer shall be of such continuity during the grading operations that he can adequately describe the work done and evaluate that work in comparison with the specifications. Actual supervision shall be the Contractor's Supervisor.
  - Reports: The Testing Laboratory shall send 1 copy of each test, inspection, or evaluation report to the City, Owner, and Design Engineer.
  - All excess earth shall be used on-site or taken to an area designated by the Engineer at the Contractor's expense.
  - Power and telephone poles shown to be in conflict with proposed improvements to be relocated by appropriate utility prior to construction.

- POINT LEGEND**
- GUT-GUTTER
  - EX-EXISTING
  - TW-TOP OF RETAINING WALL
  - BW-BOTTOM OF RETAINING WALL
  - SW-SIDE WALK
  - TP-TOP OF PROPOSED PAVEMENT
  - FL-FLOW LINE
  - TG-TOP OF GRATE INLET
  - TCL-TOP OF CURB INLET

**BENCHMARK:**  
ROCKWALL MONUMENT "RESET #1" 3" BRASS DISK FOUND AT FM 740 (RIDGE ROAD) AND SUMMER LEE DRIVE NEAR THE NORTH WEST CORNER OF THE PARKING LOT FOR THE COMMUNITY BANK. NORTHING: 7011544.252 EASTING: 2590135.160 ELEVATION: 567.704 BASED ON NAD-83 TX, STATE PLANE, NORTH CENTRAL ZONE

**ENGINEERING CONCEPTS & DESIGN, L.P.**  
ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145 2801 CAPITAL, WYLIE, TX 75098 972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

REVISIONS:  
2-24-12 REVISED GRADING

DRAWN: ECD DATE: 7 December 2012  
CHECKED: TW DATE: MAY 2009  
PROJECT NO.: 09810  
DWG FILE NAME: 9810 GRAD PLN.DWG

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION. THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TODD D. WINTTERS, P.E. 87085

**GRADING PLAN**  
**PRESBYTERIAN HOSPITAL OFFICE**  
**CONDOS, LOT 4-R BLK A**  
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

SHEET 6 OF 14