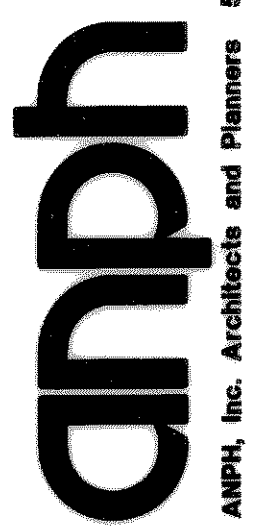


7/21/99  
BY ANPH INC.

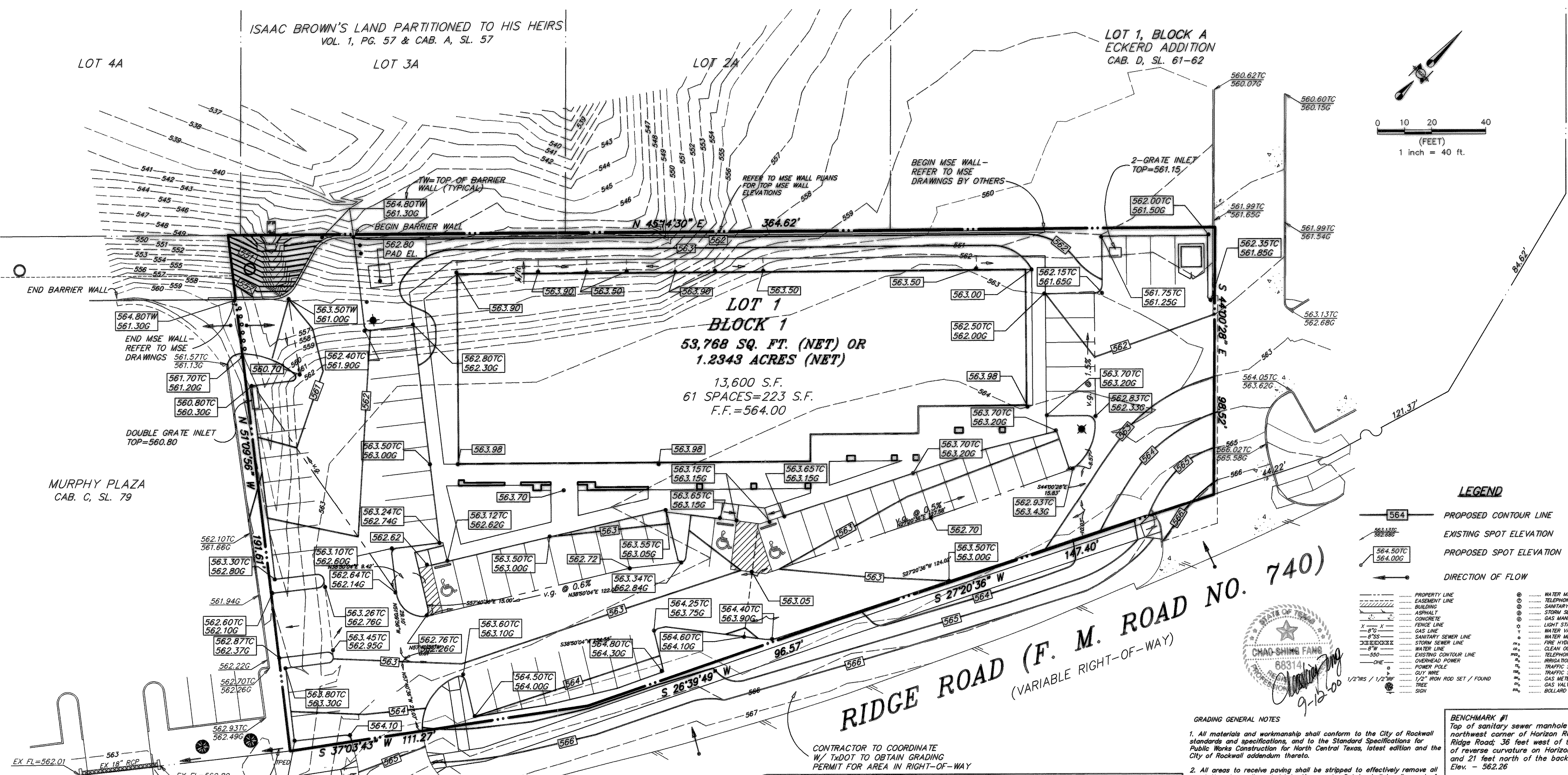
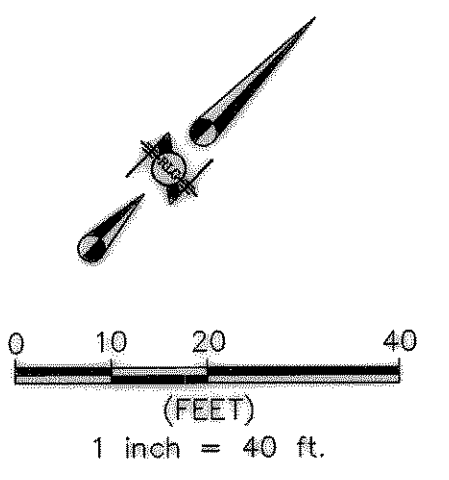
ANPH, Inc. Architects and Planners 5496 Glen Lakes Drive Dallas, Texas 75231 (214)360-9066



ROCKWALL OFFICE/RETAIL  
CITY OF ROCKWALL, TEXAS

JOB NO. 99-339  
DRAWN BY  
CHECKED BY  
ISSUE DATE  
10-25-99  
REVISIONS  
SHEET NUMBER  
C3  
SHEET OF

HORIZON RD.



**LEGEND**

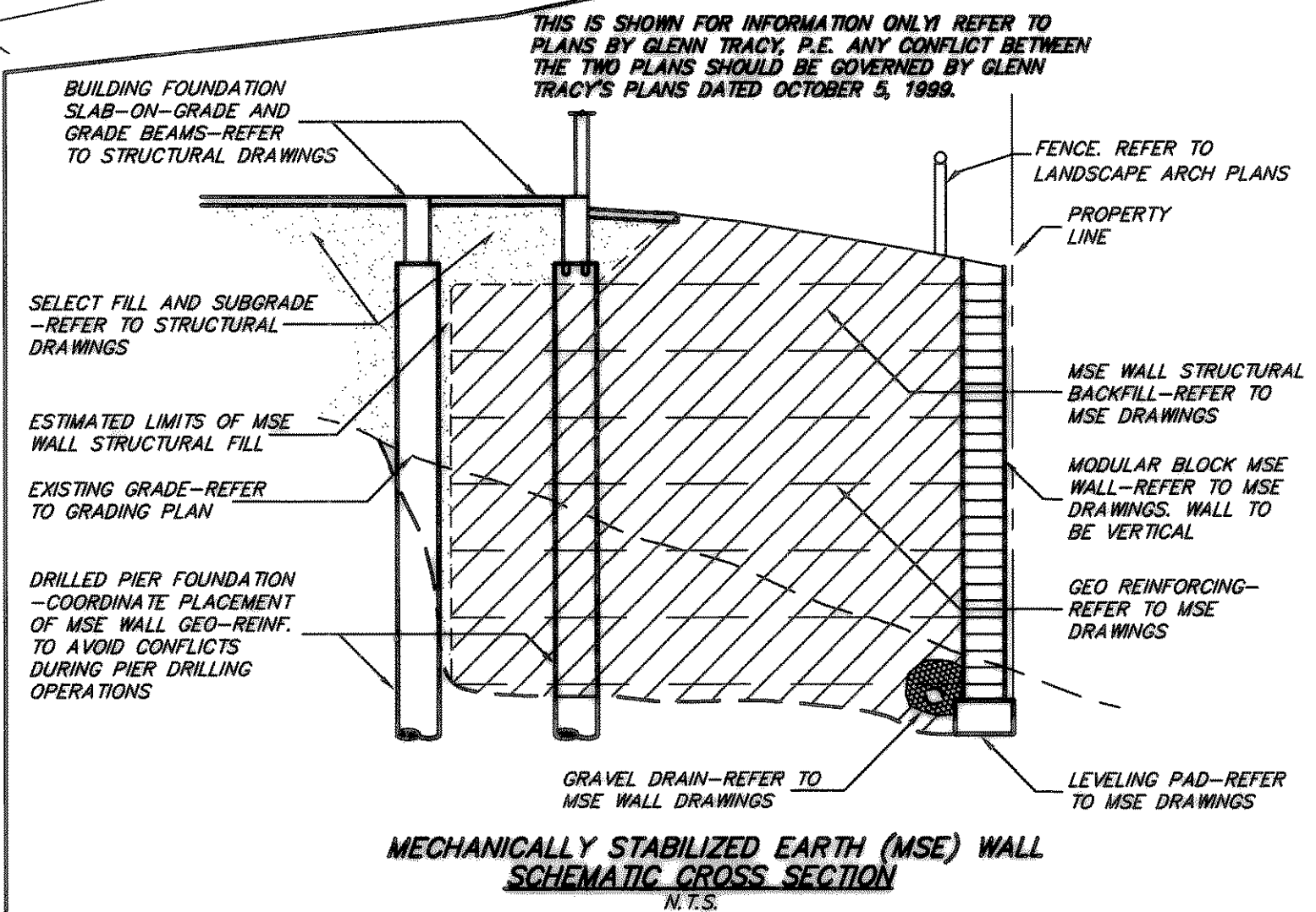
564	PROPOSED CONTOUR LINE
563.90	EXISTING SPOT ELEVATION
564.50TC 564.00G	PROPOSED SPOT ELEVATION
→	DIRECTION OF FLOW
---	PROPERTY LINE
---	EASEMENT LINE
---	ASPHALT
---	CONCRETE
---	FENCE LINE
---	GAS LINE
---	SEWAGE SINKER LINE
---	STORM SEWER LINE
---	WATER LINE
---	EXISTING CONTOUR LINE
---	OVERHEAD POWER
---	POWER POLE
---	1/2" IRON ROD SET / FOUND
---	SIGN
○	WATER MANHOLE
○	TELEPHONE MANHOLE
○	SEWAGE SINKER MANHOLE
○	STORM SEWER MANHOLE
○	GAS MANHOLE
○	LIGHT STANDARD
○	WATER VALVE
○	WATER METER
○	FIRE HYDRANT
○	CLEAN OUT
○	EXISTING TELEPHONE PEDESTAL
○	IRRIGATION BOX
○	TRAFFIC SIGNAL
○	TRAFFIC SIGNAL BOX
○	GAS METER
○	GAS VALVE
○	BOLLARD

**GRADING GENERAL NOTES**

- All materials and workmanship shall conform to the City of Rockwall standards and specifications, and to the Standard Specifications for Public Works Construction for North Central Texas, latest edition and the City of Rockwall addendum thereto.
- All areas to receive paving shall be stripped to effectively remove all vegetation, top soil, and debris, if present. Debris shall be disposed of legally offsite. Topsoil shall be stockpiled for landscaping purposes.
- The contractor shall establish interior drainage swales to remove rainfall from the site. Water must not be allowed to pond in tree grub holes. The site should be graded such that positive surface drainage away from the work areas is established and maintained at all times. Each lift should be inspected and approved by a qualified engineering technician, supervised by a geotechnical engineer before another lift is added. Fill should be placed in accordance w/geotechnical report by HBC Engineering, Inc dated April 1999, report no. 94995107.
- The contractor shall provide for sediment and erosion control as required by the City of Rockwall throughout the construction of the project. The filter fabric nets will be placed at the toe of slope or in the flow line of ditches and along perimeter of project. Erosion control shall be used until landscaping is complete and ground over is established.
- All areas that will receive fill shall be proof-rolled to identify weak zones. All weak zones must be removed and replaced prior to fill placement.
- Fill materials shall be placed in loose lifts, less than 9 inches thick, and each lift compacted to a minimum of 93% percent of the maximum dry density as defined in ASTM d 698 at optimum to +2 percent above optimum moisture content. Each lift should be inspected and approved by a qualified engineering technician, supervised by a geotechnical engineer before another lift is added. Fill should be placed in accordance w/geotechnical report by HBC Engineering, Inc dated April 1999, report no. 94995107.
- Testing is required, and shall be performed by a laboratory approved by the engineer/owner and paid for by the owner.
- It will be the responsibility of the contractor to locate and protect all public utilities, in the construction of this project. All manholes, cleanouts, valve boxes, fire hydrants, etc., must be adjusted to proper line and grade by the contractor prior to and after the placing of permanent paving. Utilities must be maintained to proper line and grade during the construction of paving for this project.

**MSE - RETAINING WALL PERFORMANCE SPECIFICATIONS**

- Retaining wall is to be constructed as a mechanically stabilized earth (MSE) structure. The wall profile and lines shall conform to the information as shown on the grading plan. Wall construction is to be vertical.
- Wall design, drawings, and specifications as prepared by Glenn Tracy, P.E. (GT) dated October 5, 1998. All wall construction shall be in strict conformance with the construction documents and directions as prepared by GT. GT's scope of work shall include the following:
  - Global Slope Stability Analysis for this specific site.
  - Production of MSE Project Construction Plans details and specifications, sealed by a professional engineer, registered in Texas.
  - Design of MSE Geo-Structural Soil Reinforcements.
  - Provide a summary of quantities.
  - Provide construction reviews.
- Wall design and Construction Document Production shall include the coordination between wall installation and building foundation installation. MSE Wall Construction Documents shall specifically outline required procedures to allow for installation of building piers and grade beams, and shall show MSE soil improvement limits and specifications.
- Wall analysis and design shall be in conformance with the information provided in the Geotechnical Investigation Report prepared for this project by HBC Engineering Inc, report No. 94995.107 and dated April 1999.
- Contractor shall construct all features of the MSE wall using materials, techniques, specialized subcontractors, specification, testing and performance standards in strict conformance with the plans and specifications prepared by GT.
- Quality control shall be the responsibility of the contractor.
- Quality assurance and testing shall be performed by an independent testing agency. Quantity and types of testing shall be as outlined by GT.



ASBUILT  
DATE: 9/12/02

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DALLAS, TEXAS 75231 214/739-8100  
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