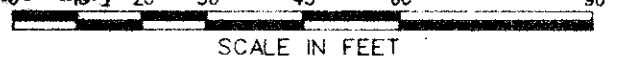
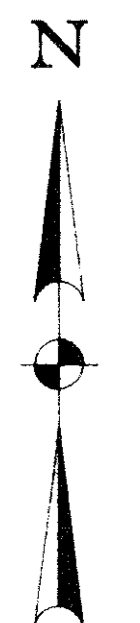


UTILITY CONSTRUCTION GENERAL NOTES

- All water and sanitary sewer construction shall conform to the Town of Addison Standard Construction Details and Standard Specifications for Public Works Construction. In the event that an item is not covered, the MTCOG specification shall be used.
- All water mains 6" or less shall be Class 200, AWWA C900 PVC pipe. All water mains 8" through 12" shall be Class 150, AWWA C900 PVC pipe.
- All gate valves shall be City approved resilient Seat Gate Valves (A-2370-series).
- All fire hydrants must meet Town of Addison specifications. Hose/Pumper nozzles on fire hydrants shall be 18" above top of curb, or finished grade, and shall face the streets or firelane. Fire hydrant shall not be placed less than 2.0' nor more than 6.0' behind the curb.
- All water mains shall have a minimum cover of 48" below finished grade.
- All water mains shall be pressure tested in accordance with the specifications. The Contractor shall flush and sterilize all water mains.
- The location of existing utilities shown on these plans is approximate. All utilities may not be shown. It is the responsibility of the Contractor to contact all area utility companies and field verify any and all utilities that may conflict with construction prior to beginning work.
- All sanitary sewer pipe shall be SDR-35 PVC pipe.
- All concrete blocking and embedment for water and sewer line shall be in accordance with the City of Plano construction standards.
- Contractor shall be responsible for traffic control, warning and safety devices until all work has been accepted by the Town of Addison and the Owner.
- Contractor shall be responsible for Trench Safety in compliance with the Occupational Safety and Health Administrations trench safety standards.



PAVING AND GRADING GENERAL NOTES

- All construction shall conform to the Town of Addison Standard Construction Details and Standard Specifications for Public Works Construction. In the event that an item is not covered, the MTCOG specifications shall be used.
- Excavation or fill operations shall not interfere with or obstruct pre-construction drainage patterns until such time as on-site drainage improvements are constructed.
- Top of curb elevations are noted with (TC) following them. Gutter elevations are 0.50 feet below top of curb. All other spot elevations shown are to top of pavement or finished grade unless otherwise noted.
- All subgrade beneath proposed pavement shall be compacted to 95% Standard Proctor (ASTM-D-698) at or slightly above optimum moisture content. If rock is encountered during excavation the area exposed at final subgrade shall be overexcavated to a depth of 8" and compacted fill placed in that area.
- All driveways/approaches shall match existing street pavement sections. Firelane pavement and drives shall be 6" thick 3000 psi concrete with #3 bars on 24" centers both ways. All on-site parking pavement shall be 5" thick 3000 psi at 28 day compressive strength concrete with #3 bars on 24" centers both ways. (Dumpster location 7" 3000 PSI) Sawn transverse dummy joints shall be installed in concrete pavement on 15' centers. Sawn longitudinal dummy joints shall be installed along centerline of fire lane and outside where applicable. All joints shall be filled with an approved sealer.
- Contractor shall adjust all manholes and water valves to match finished grades as shown on the drawings.
- Street lights shall be installed 3 1/2' to 4' behind back of curbs as required.
- Contractor shall construct barrier free ramps at all intersections per Town of Addison.
- All conduit for irrigation sleeves shall be Class 200 PVC installed 12" below concrete pavement and extend 2' outside of back of curbs.
- Contractor shall be responsible for traffic control, warning and safety devices until all work has been accepted by the Town of Addison and the Owner.
- Contractor shall be responsible for Trench Safety in compliance with the Occupational Safety and Health Administration's trench safety standards.
- The location of existing utilities shown on these plans are approximate. All utilities may not be shown. It is the responsibility of the Contractor to contact all area utility companies and field verify any and all utilities that may conflict with construction prior to beginning work.
- Erosion control shall conform to the North Central Texas Council of Government Details as approved by the Town of Addison.

**BENCHMARK:**  
 "B" cut. Top of curb return east side of Commercial Drive and Beltline Road. Elevation = 582.16

**\*MIN. FINISH FLOOR ELEVATION = 583.69 WAS OBTAINED FROM REPORT PREPARED BY O'BRIEN ENGINEERS DATED 7/7/94.**

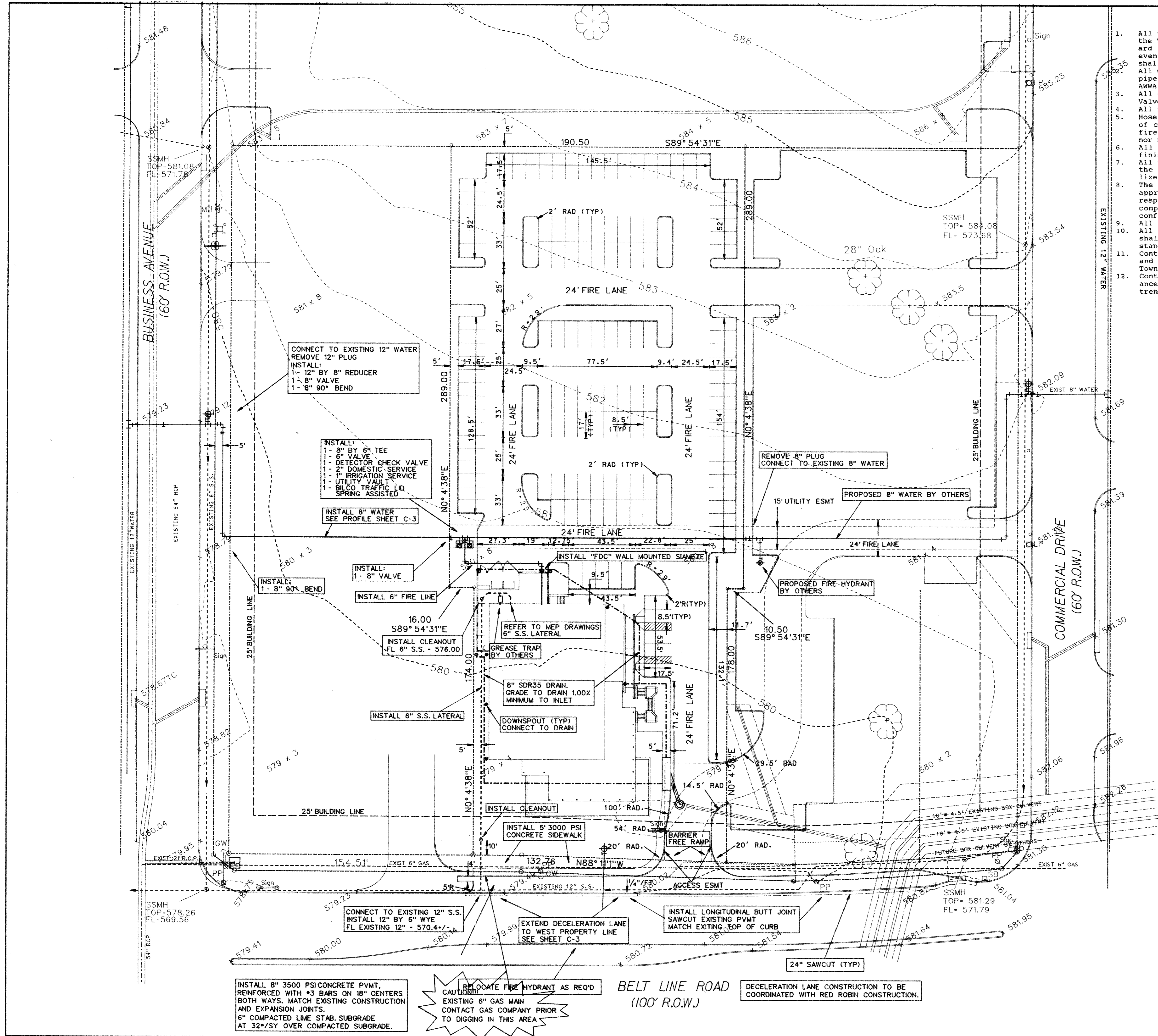
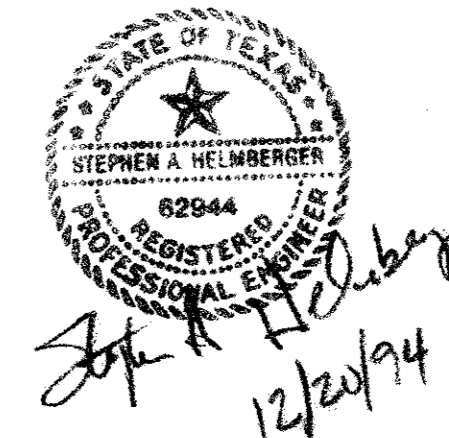
TOPOGRAPHIC AND PLANIMETRIC SURVEY OBTAINED FROM WINKLEMAN & ASSOCIATES, INC. DATED 10/94.

PAVING AND UTILITY PLAN

JOE'S CRAB SHACK  
 BLOCK 3 BELTLINE BUSINESS PARK  
 ADDISON, TEXAS

**HELMBERGER ASSOCIATES, INC.**  
 CIVIL AND ENVIRONMENTAL ENGINEERS  
 124 HOOPER ROAD, WYLE, TEXAS 75098 (214) 442-7450

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
HELM.	CADD	OCTOBER 1994	1"=30'	PBORDER	9448	C-2



CONNECT TO EXISTING 12" WATER  
 REMOVE 12" PLUG  
 INSTALL:  
 1- 12" BY 8" REDUCER  
 1- 8" VALVE  
 1- 8" 90° BEND

INSTALL:  
 1- 8" BY 6" TEE  
 1- 6" VALVE  
 1- DETECTOR CHECK VALVE  
 1- 2" DOMESTIC SERVICE  
 1- 1" IRRIGATION SERVICE  
 1- UTILITY VAULT  
 1- BILCO TRAFFIC LID  
 1- SPRING ASSISTED

INSTALL 8" WATER  
 SEE PROFILE SHEET C-3

INSTALL:  
 1- 8" 90° BEND

INSTALL:  
 1- 8" VALVE

INSTALL 6" FIRE LINE

16.00  
 S89° 54' 31" E  
 INSTALL CLEANOUT  
 FL 6" S.S. = 576.00

INSTALL 6" S.S. LATERAL

8" SDR35 DRAIN.  
 GRADE TO DRAIN 1.00%  
 MINIMUM TO INLET

DOWNSPOUT (TYP)  
 CONNECT TO DRAIN

INSTALL CLEANOUT

INSTALL 5' 3000 PSI  
 CONCRETE SIDEWALK

CONNECT TO EXISTING 12" S.S.  
 INSTALL 12" BY 6" WYE  
 FL EXISTING 12" = 570.47

EXTEND DECELERATION LANE  
 TO WEST PROPERTY LINE  
 SEE SHEET C-3

INSTALL LONGITUDINAL BUTT JOINT  
 SAWCUT EXISTING PVMT  
 MATCH EXISTING TOP OF CURB

INSTALL 8" 3500 PSI CONCRETE PVMT,  
 REINFORCED WITH #3 BARS ON 18" CENTERS  
 BOTH WAYS. MATCH EXISTING CONSTRUCTION  
 AND EXPANSION JOINTS.  
 6" COMPACTED LIME STAB. SUBGRADE  
 AT 32"/SY OVER COMPACTED SUBGRADE.

RELOCATE FIRE HYDRANT AS REQ'D  
 CAUTION  
 EXISTING 6" GAS MAIN  
 CONTACT GAS COMPANY PRIOR  
 TO DIGGING IN THIS AREA

BELT LINE ROAD  
 (100' R.O.W.)

DECELERATION LANE CONSTRUCTION TO BE  
 COORDINATED WITH RED ROBIN CONSTRUCTION.