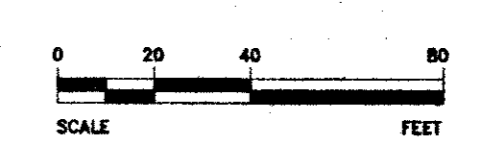
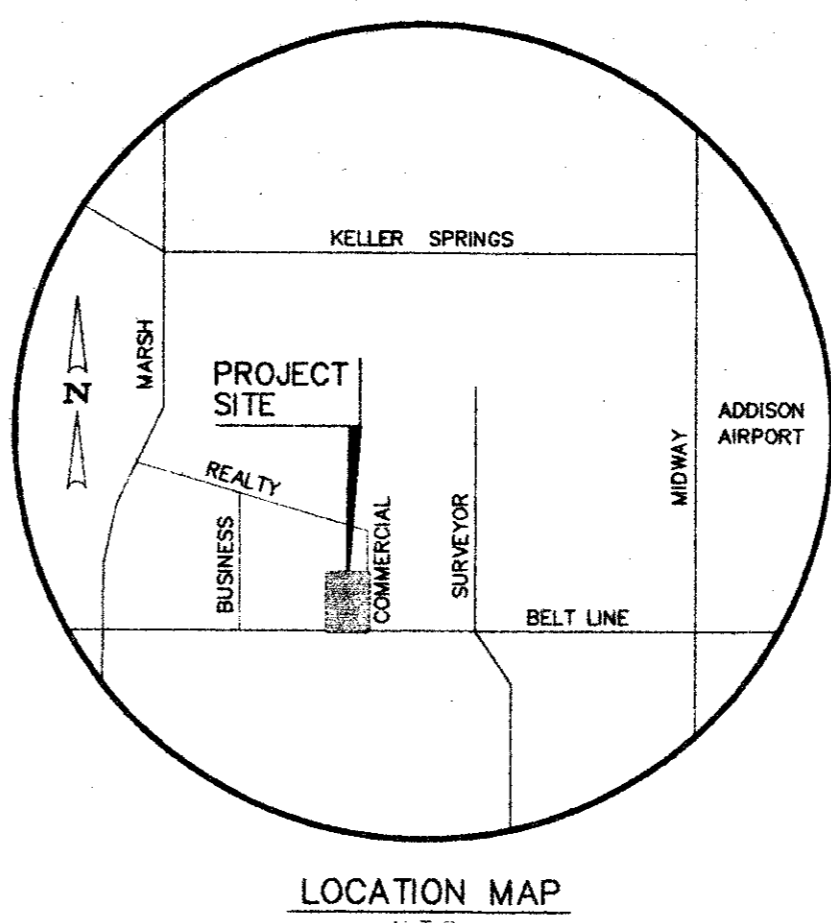
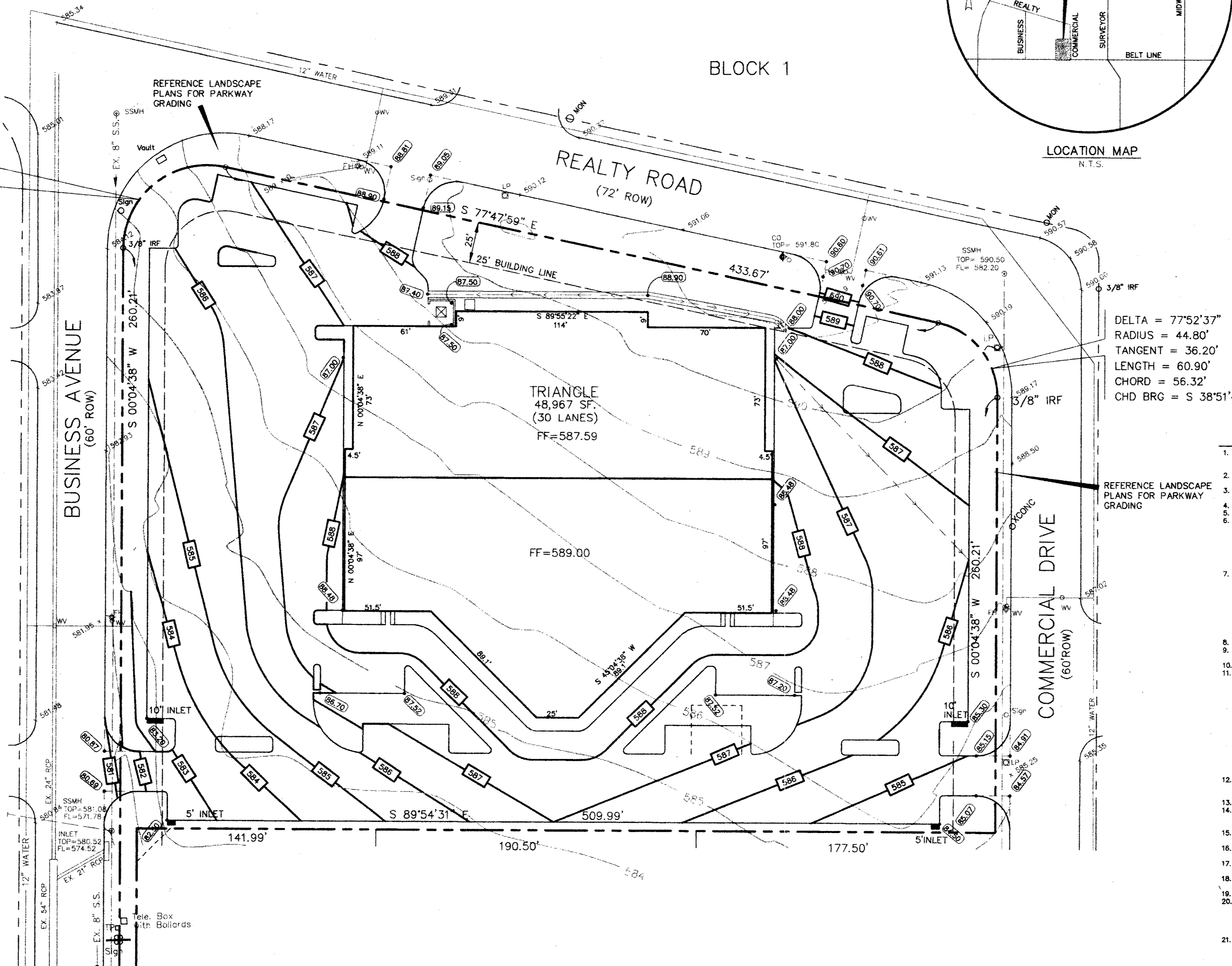


DELTA = 102°07'23"
 RADIUS = 50.08'
 TANGENT = 61.98'
 LENGTH = 89.27'
 CHORD = 77.91'
 CHD BRG = N 51°08'20" E

BELT LINE/MARSH BUSINESS PARK
 BLOCK 2
 VOL. 79252, PG. 0215



DELTA = 77°52'37"
 RADIUS = 44.80'
 TANGENT = 36.20'
 LENGTH = 60.90'
 CHORD = 56.32'
 CHD BRG = S 38°51'40" E

GENERAL NOTES
 SITE GRADING

- VEGETATION, DEBRIS AND TOPSOIL CONTAINING ORGANIC MATERIALS SHOULD BE CLEARED AND GRUBBED FROM THE ENTIRE SITE (APPROXIMATE DEPTH OF 4-6 INCHES) AT THE BEGINNING OF EARTHWORK CONSTRUCTION.
- REFERENCED SPECIFICATIONS FOR PAD PREPARATION AND PAVEMENT SUBGRADE PREPARATION REQUIREMENTS.
- PROPOSED CONTOURS SHOWN ON AREAS OF PAVING ARE TOP OF PAVEMENT (OR TOP OF CURB AT CURB LINE). LIMITS OF GRADING ARE THE BOTTOM OF PAVEMENT.
- PROPOSED CONTOURS SHOWN ON AREAS OTHER THAN PAVING ARE THE EXACT LIMITS OF GRADING. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE SITE DRAINAGE DURING OPERATIONS.
- CONTRACTOR SHALL USE WHATEVER MEASURES ARE REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. THIS CAN BE ACCOMPLISHED BY SMALL TEMPORARY SEDIMENT PONDS, SILT FENCES OF STEEL WIRE AND BURLAP OR BARRIERS OF CEDAR TREES AND/OR BALES OF STRAW. CONTRACTOR SHALL COMPLY WITH ALL LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL STRUCTURES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS SUFFICIENT TO PREVENT EROSION.
- GRADING CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION WITH THE ALTERATION OF, OR RELOCATION OF THE FACILITIES. CONTRACTOR SHALL RAISE OR LOWER TOPS OF EXISTING MANHOLES AS REQUIRED TO MATCH FINISHED GRADES. EXISTING UNDERGROUND UTILITIES ARE SHOWN FROM AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PRECISE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS WITH EXISTING UTILITIES DURING CONSTRUCTION.
- PAVING EXCAVATION WORK AND GENERAL SITE GRADING SHALL BE BROUGHT TO ± 0.1 FEET.
- FINAL LAYOUT OF ALL PAVING AND BUILDING PADS SHALL BE PROVIDED ON THE PAVING & PAVING PLAN.
- ALL SPOT GRADES ARE TOP OF PAVEMENT UNLESS NOTED OTHERWISE.
- FOR THE WORK ON THE STATE OR CITY RIGHT-OF-WAY, THE CONTRACTOR SHALL:
 - NOT STORE MATERIAL, EXCESS DIRT OR EQUIPMENT ON THE SHOULDERS OF PAVEMENT IN CASE OF MULTI-LANE HIGHWAYS, OR IN THE MEDIAN STRIPS. THE PAVEMENT SHALL BE KEPT FREE FROM ANY MUD OR EXCAVATION WASTE FROM TRUCKS OR OTHER EQUIPMENT. ON COMPLETION OF THE WORK ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE RIGHT-OF-WAY.
 - PROVIDE ALL NECESSARY AND ADEQUATE SAFETY PRECAUTIONS SUCH AS SIGNS, FLAGS, LIGHTS, BARRICADES AND FLAGMEN AS REQUIRED BY THE LOCAL AUTHORITIES AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HOLD HARMLESS THE STATE OF TEXAS, DEPARTMENT OF TRANSPORTATION, THE CITY OF LEWISVILLE, AND THE OWNER FROM ANY CLAIMS FOR DAMAGE TO EXISTING PRIVATE PROPERTY, PUBLIC UTILITIES, OR TO THE TRAVELING PUBLIC.
 - COMPLETE THE WORK TO THE SATISFACTION OF THE CITY OF LEWISVILLE AND OBTAIN A STATING THAT THE WORK IS ACCEPTABLE.
 - POST NECESSARY BONDS AS REQUIRED BY THE CITY AND/OR STATE.
- CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING, BY APPLYING CALCIUM CHLORIDE, OR BY OTHER METHODS AS DIRECTED BY ENGINEER AND/OR OWNER'S REPRESENTATIVE. AT NO ADDITIONAL COST TO OWNER.
- REFER TO SHEET C-1 FOR TOPS OF PAVING AND SUBGRADE TO BE USED.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY EXISTING STRUCTURES, FENCES, DEBRIS, OR TREES REMAINING ON SITE. COORDINATE WITH GENERAL CONTRACTOR. CONTACT THE OWNER OR ENGINEER REGARDING ANY ITEMS OF QUESTION.
- A QUALIFIED SOILS LABORATORY SHALL DETERMINE THE SUITABILITY OF THE EXISTING SUB-GRADE AND EXISTING ON-SITE MATERIAL PRIOR TO BEGINNING ANY FILLING OPERATION.
- ALL DISTURBED AREAS NOT COVERED BY BUILDING OR PAVING TO BE GRASSED, UNLESS OTHERWISE NOTED.
- AREAS OUTSIDE THE PARKING LOT PERIMETERS SHOWN TO BE SEEDED SHALL RECEIVE 4 INCHES OF TOPSOIL. THIS TOPSOIL TO BE PLACED AND LEVELED BY THE CONTRACTOR.
- UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY GRADING CONTRACTOR AT NO COST TO THE OWNER.
- ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED.
- BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK THE ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF THE PROJECT. LACK OF PROPER WORKING POINTS AND GRADE STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN PLACED TO THE OWNER'S SATISFACTION.
- ROUGH GRADING ELEVATIONS ARE AS FOLLOWS:
 - 4" BELOW FINISHED CONTOURS IN AREAS TO BE SEEDED.
 - 5" BELOW FINISHED CONTOURS IN LIGHT DUTY PAVED AREAS.
 - 6" BELOW FINISHED CONTOURS IN HEAVY DUTY PAVED AREAS.
- A DESIGN WILL BE REQUIRED BY THE CONTRACTOR FOR TRENCH EXCAVATION PROTECTION IN ACCORDANCE WITH CURRENT STATE LAW.
- CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR OBTAINING PERMITS AS REQUIRED BY THE CITY OF LEWISVILLE.

NOT FOR CONSTRUCTION

APPROVED: _____
 REVISION: _____
 DATE: _____
 No. _____

Winkelmann & Associates, Inc.
 CONSULTING CIVIL ENGINEERS • SURVEYORS
 1717 N. BELTLINE ROAD
 IRVING, TEXAS 75061
 (972) 480-2000
 (972) 480-2000 FAX

TL - CHENOWETH SURVEY, ABSTRACT NO. 273
 DIMETERS SURVEY, ABSTRACT NO. 923
 CITY OF ADDISON, DALLAS COUNTY, TEXAS

OWNER:
 TRIANGLE BONE
 1717 N. BELTLINE ROAD
 IRVING, TX 75061

GRADING PLAN
 BLOCK 3, BELTLINE MARSH BUSINESS PARK
 ADDISON, TEXAS

Scale: 1"=40' Date: 12/23/94
 Designed By: TL
 Drawn By: TL
 Checked By: MC
 File: 04B12GRD.DWG
 Project No.: 0482.01

CONSTRUCTION SET
 ISSUED BY
 TOWN OF ADDISON
 PUBLIC WORKS DEPARTMENT

BENCH MARK:
 "U" cut top of curb at the curb return east side of Commercial Drive and Beltline Road.
 Elev = 582.16

* MIN. FINISH FLOOR ELEVATION ARE FROM REPORT PREPARED BY O'BRIEN ENGINEERS DATED: 7/7/94

| LEGEND | |
|----------|----------------------|
| • 487.57 | EX. SPOT ELEVATION |
| • 64.1 | PROP. SPOT ELEVATION |
| — 470 — | EXISTING CONTOUR |
| — 481 — | PROPOSED CONTOUR |

SHEET
 04
 01