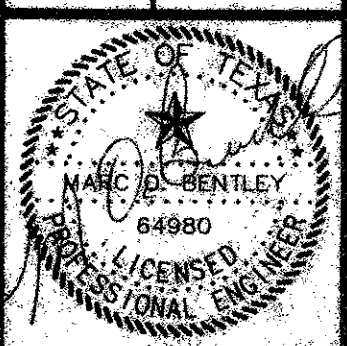


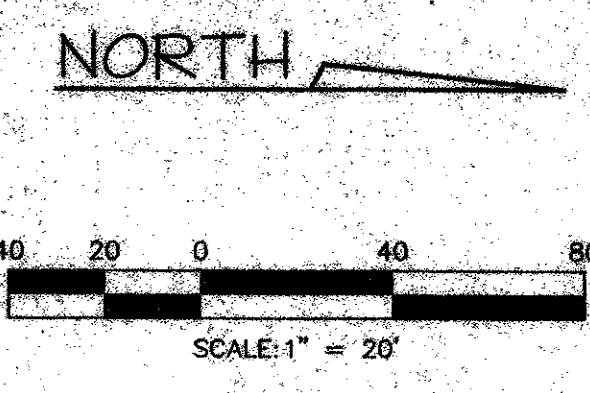
No.	Date	Revision	By
1	9/13/99	PER CITY COMMENTS	M.T.

PAVING PLAN
BURGER KING
CITY OF ADDISON, TX.



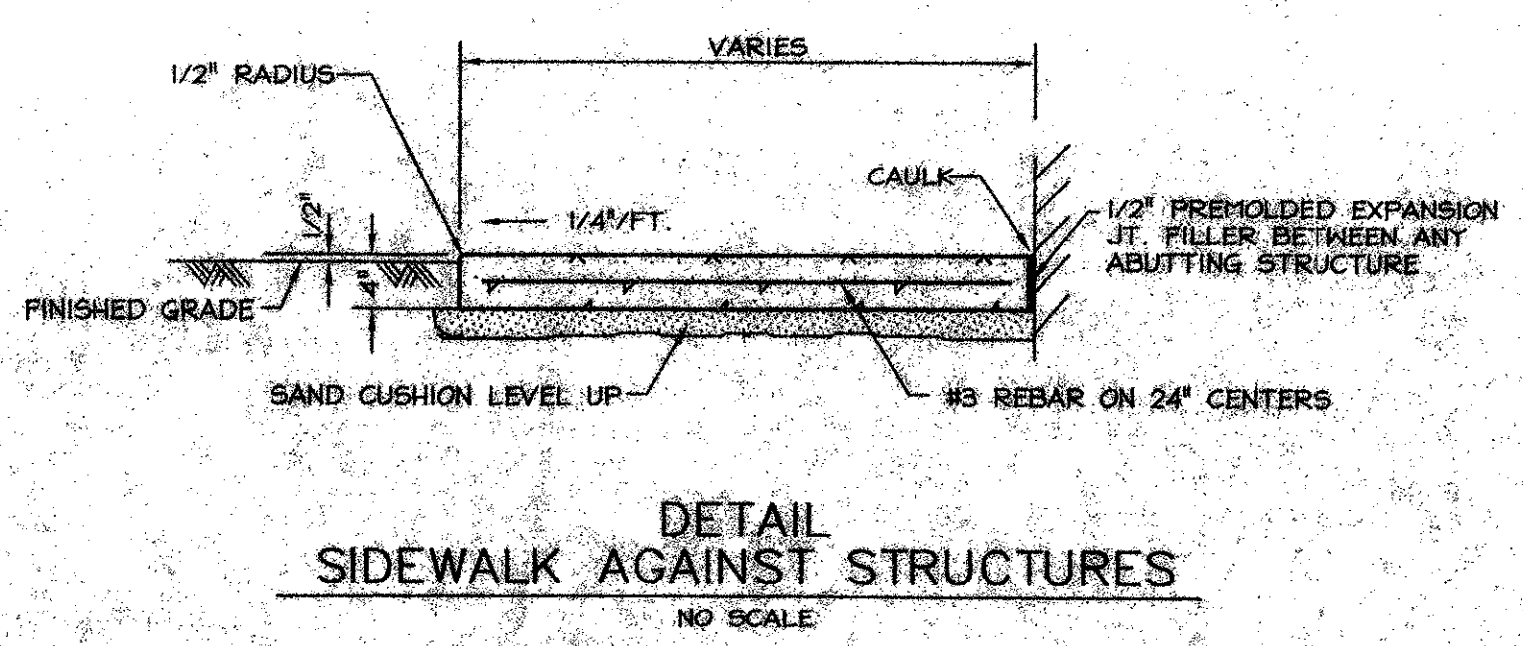
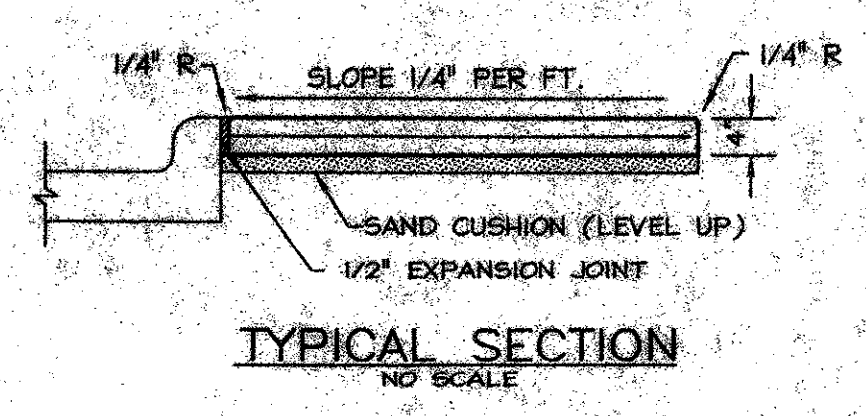
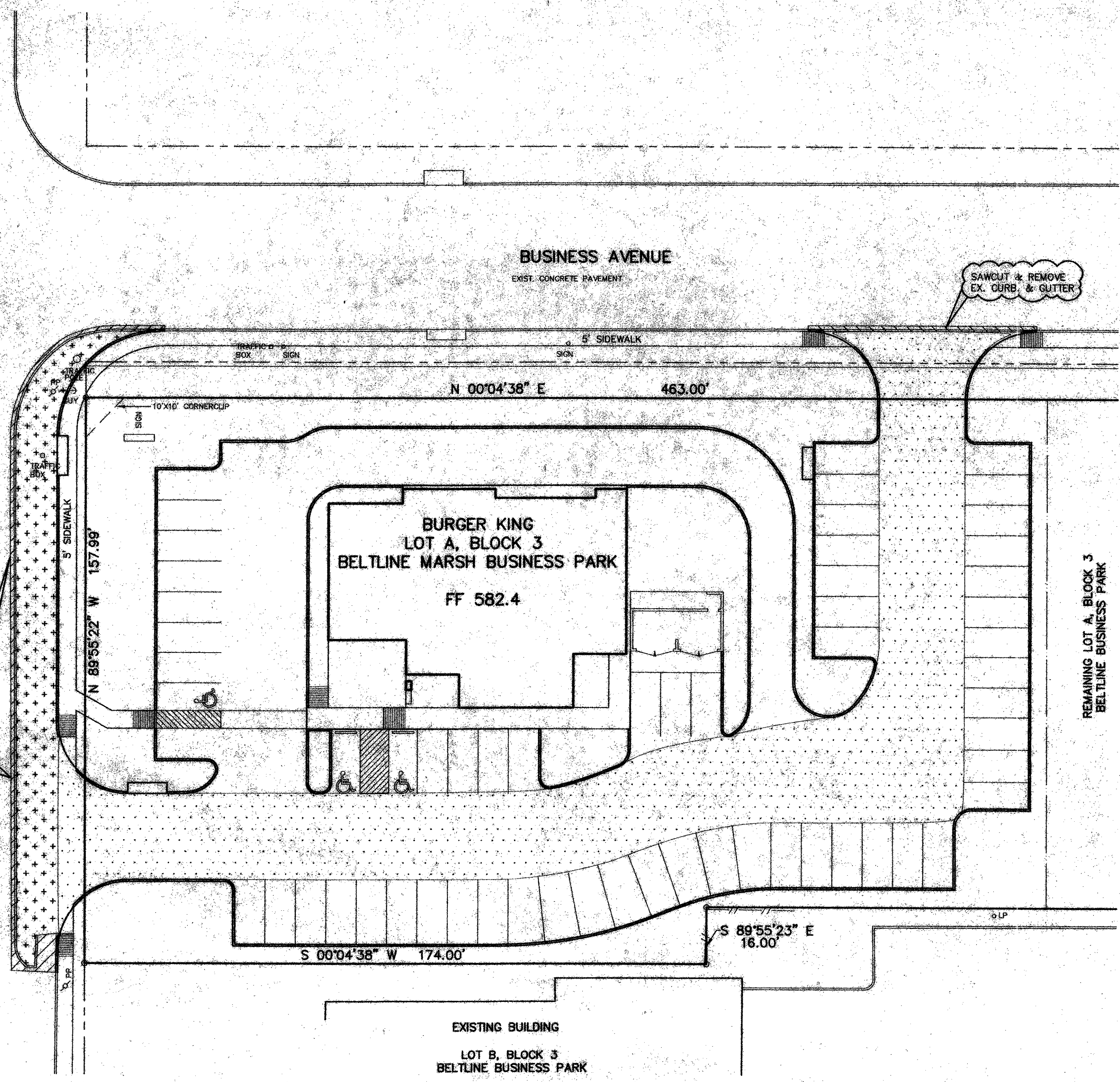
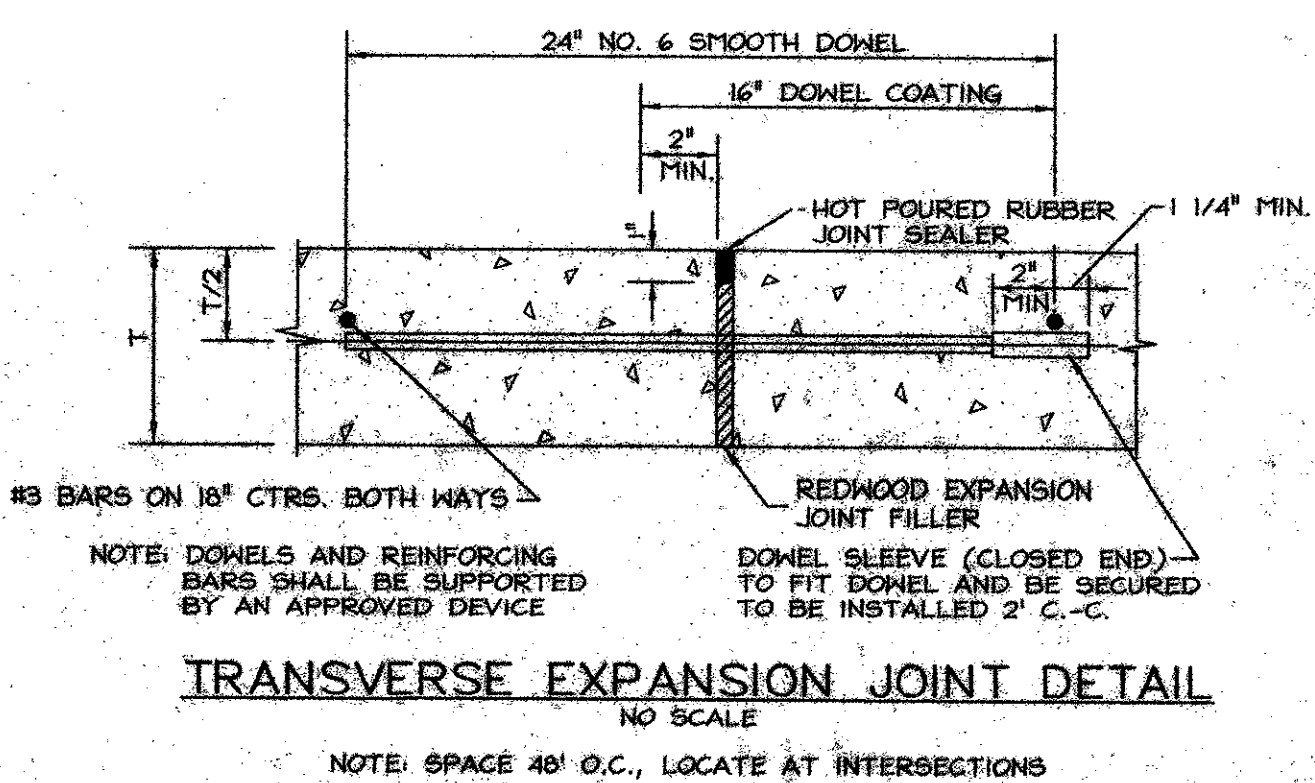
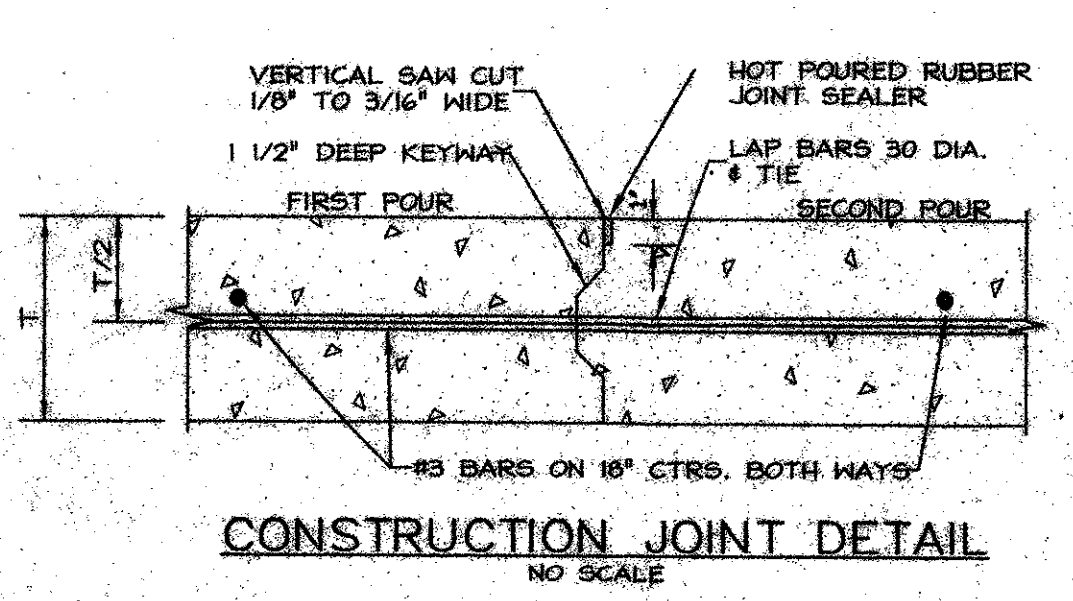
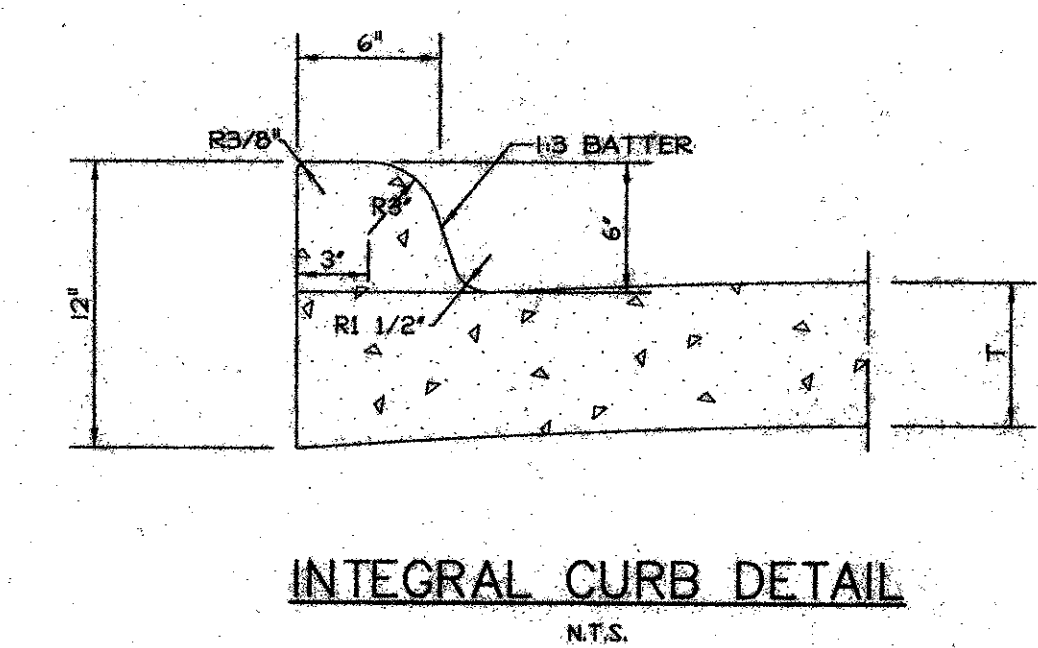
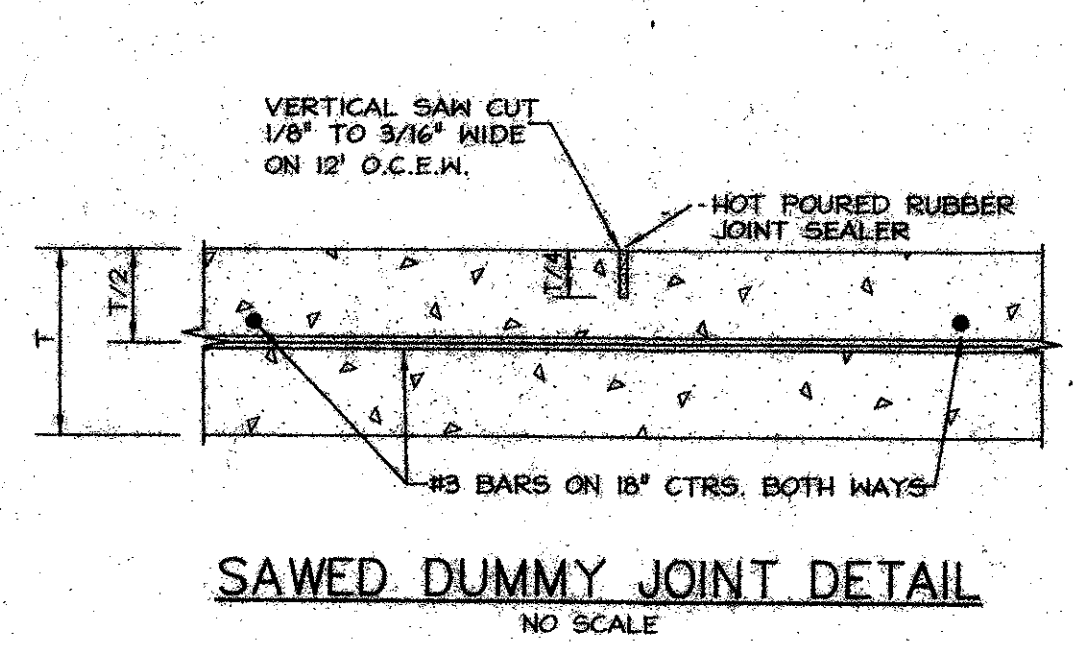
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MARC O. BENTLEY, P.E. NO. 64980 ON 9/3/99

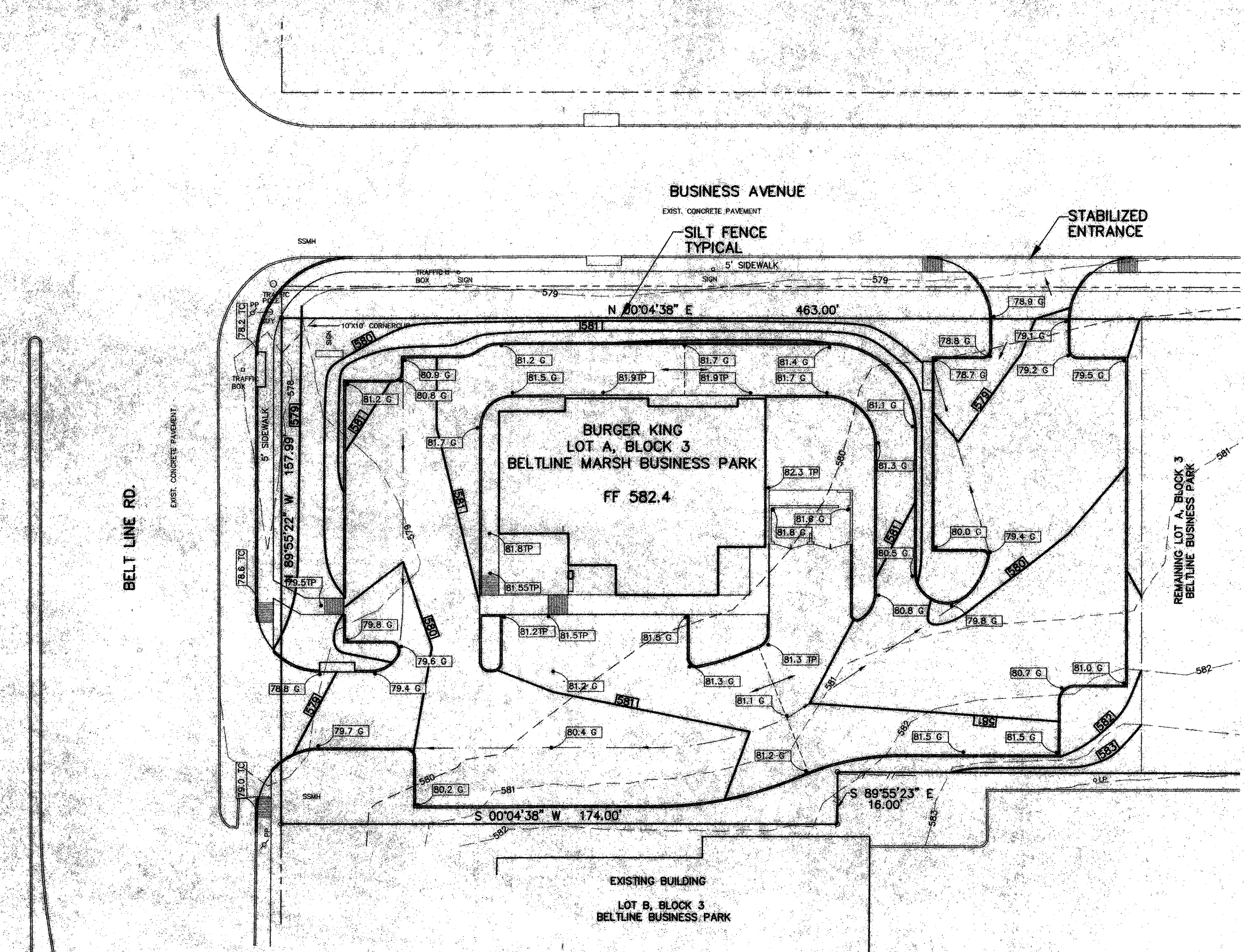
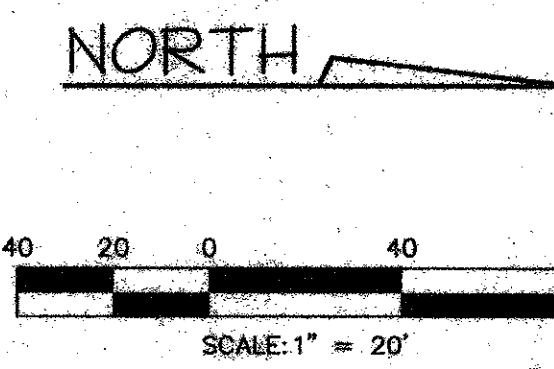
Scale: 1" = 20'
 File Name: BKADDSTIE.DWG
 Date: 7/19/99
 Project No: 99122
 Designed: B.E.I.
 Drawn: B.E.I.
 Checked: M.O.B.
SHEET
C1



- PAVING GENERAL NOTES:**
- Construction of all streets, alleys, sidewalks, driveways and storm drainage facilities in the public right-of-way shall be constructed in conformance with the City of Addison Standard, and specifications.
 - The six-inch subgrade shall be compacted from 95 to 100 percent ASTM D698 (Standard Proctor) maximum density at a moisture content -2 to +2 percent of optimum.
 - Prior to subgrade preparation pavement areas shall be proof rolled with heavy pneumatic equipment. Any soft or pumping areas shall be undercut to a firm subgrade, backfilled and recompact.
 - Reinforcement for all concrete pavement shall be Grade 60 #3 rebar placed on 18-inch centers in both directions.
 - Unless otherwise stated, all concrete pavement shall be 6" 3500 PSI strength at 28 days. Concrete pavement subgrade shall be lime stabilized. Lime material shall be applied at a rate of 30 lbs per square yard.
 - Barrier free ramps shall be constructed at all driveway and sidewalk intersections in conformance with the City of Addison Standard, and specifications.
 - All driveways and approaches must be completed within one week after pavement removal begins.

- PAVEMENT SECTION:**
- INDICATES 10" 3500 PSI REINF. CONC. PAVEMENT ON 6" COMPACTED SUBGRADE TO 95% STD. PROCTOR DENSITY.
 - INDICATES 6" 3500 PSI REINF. CONC. PAVEMENT ON 6"-6% LIME STAB. SUBGRADE COMPACTED TO 95% STD. PROCTOR DENSITY.
 - INDICATES 5" 3500 PSI REINF. CONC. PAVEMENT ON 6"-6% LIME STAB. SUBGRADE COMPACTED TO 95% STD. PROCTOR DENSITY.





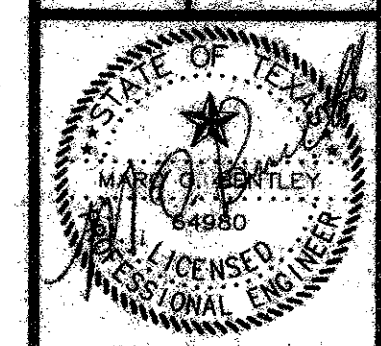
- GRADING GENERAL NOTES**
- All work shall be in accordance with these plans and City of Addison's Standards and Specifications.
 - All proposed contours are approximate. Proposed spot elevations and designated gradient are to be used in the event of any discrepancies.
 - The General Contractor and all subcontractors shall verify the suitability of all existing and proposed site conditions including grades and dimensions before commencement of any construction. In the event of any conflict and prior to commencement of any construction, immediately notify Engineer. Minor adjustments of finished grade to accomplish spot drainage are acceptable.
 - Positive drainage shall be provided away from all foundations and structures.
 - All spot elevations are top of pavement or gutter. To obtain top of curb elevation, add 0.5 feet.
 - Ground shall be scarified prior to placing any fill.
 - Any excess excavation shall be distributed as directed by the Owner or the Engineer.
 - It is the responsibility of the Contractor locate and/or establish a benchmark prior to construction and maintain the benchmark during construction.
 - The locations of all utilities indicated on the plans are taken from available public records. The exact location and depth of all utilities indicated must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
 - It shall be the responsibility of the Contractor to protect all existing utilities in the construction of this project. Any utilities damaged during the construction of this project shall be repaired at the Contractor's expense.

- LEGEND**
- 580 — EXISTING CONTOURS
 - 580 PROPOSED CONTOURS
 - [80.1] PROP. SPOT ELEVATION
 - FLOW DIRECTION
 - VALLEY
 - - - DRAINAGE DIVIDE
 - TC TOP OF CURB
 - TP TOP OF PAVEMENT
 - G GUTTER
 - F FINISHED GRADE

BENTLEY ENGINEERING, INC.
 CIVIL ENGINEERING • PLANNING • CONSTRUCTION MANAGEMENT
 70 GATEWOOD DRIVE
 GARLAND, TEXAS 75040
 TEL: (972) 240-8222
 FAX: (972) 240-8222

No.	Date	Revision	By	M.T.
1	9/3/99	PER CITY COMMENTS		

GRADING PLAN
BURGER KING
CITY ADDISON, TX.

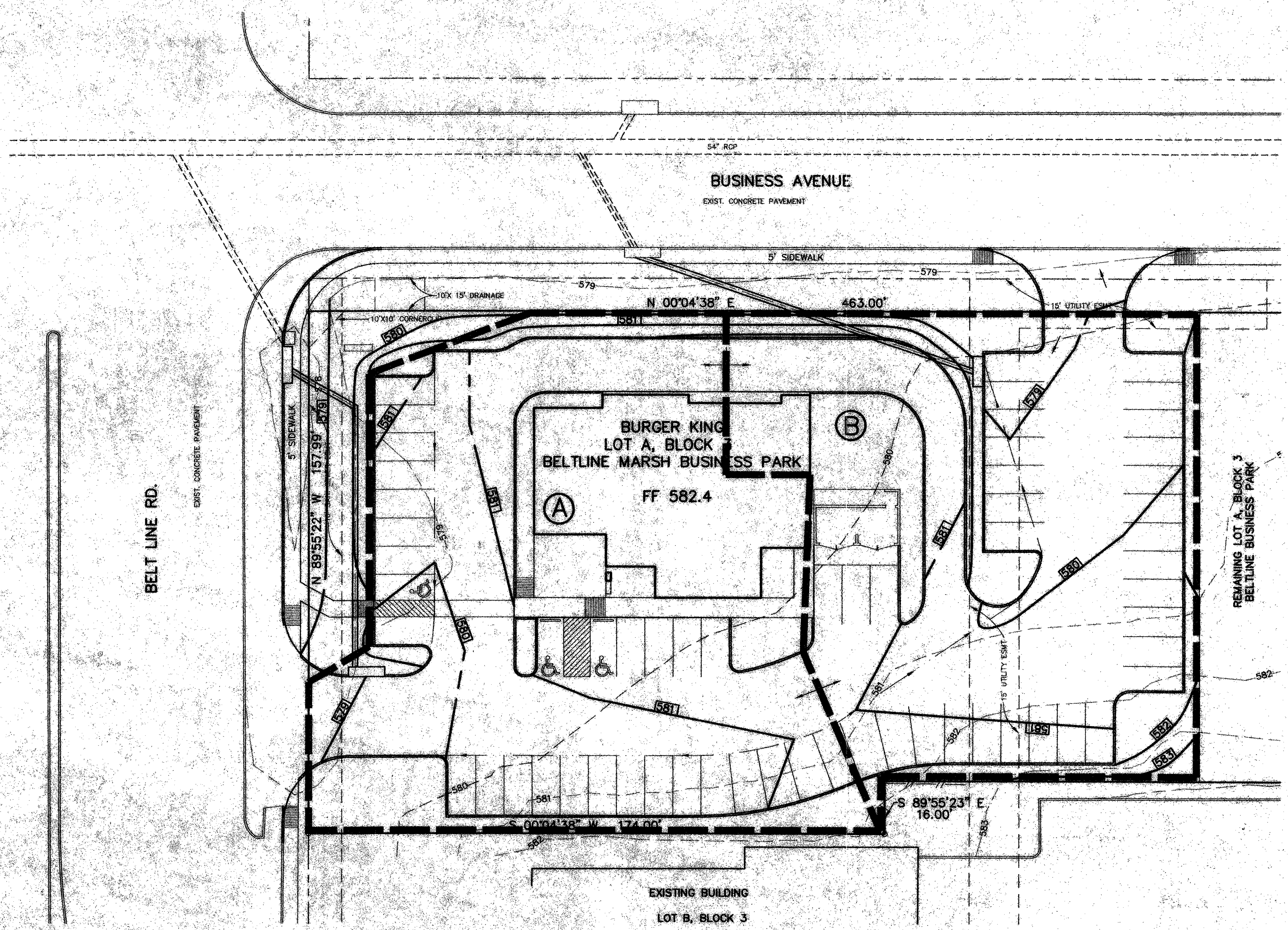
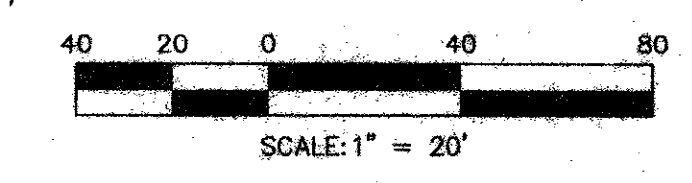
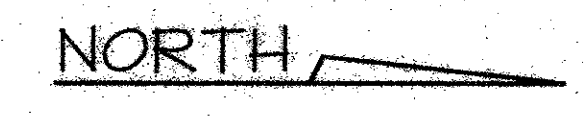


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MARC O. BENTLEY, P.E. NO. 64980 ON 9/3/99

Scale: 1"=20'
 File Name: BKADDSITE.DWG
 Date: 7/19/99
 Project No.: 99122
 Designed: B.E.I.
 Drawn: B.E.I.
 Checked: M.O.B.

BENCHMARK: "X" CUT ON CENTER OF CURB INLET
 WEST SIDE OF BUSINESS AVE. APPROXIMATELY
 120 FEET NORTH OF BELTLINE RD.
 ELEV 578.52

C:\PROJECTS\99122\BKADDSITE.DWG P11 Sep 03 11:30:19 1999



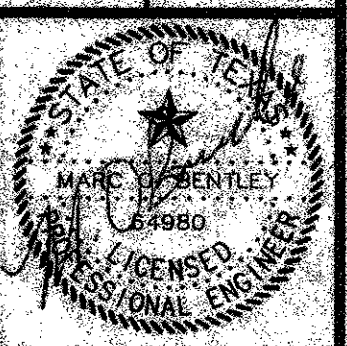
STORM WATER RUNOFF CALCULATIONS

AREA NO.	ACRES	TC	"C"	"100" (IN./HR.)	"Q ₀₀ "
A	0.47	10	0.9	8.5	3.6
B	0.40	10	0.9	8.5	3.1

- LEGEND**
- DRAINAGE AREA BOUNDARY
 - DRAINAGE AREA DESIGNATION
 - EXISTING CONTOUR
 - PROPOSED CONTOUR

No.	Date	Revision	By
1	9/3/99	PER CITY COMMENTS	M.T.

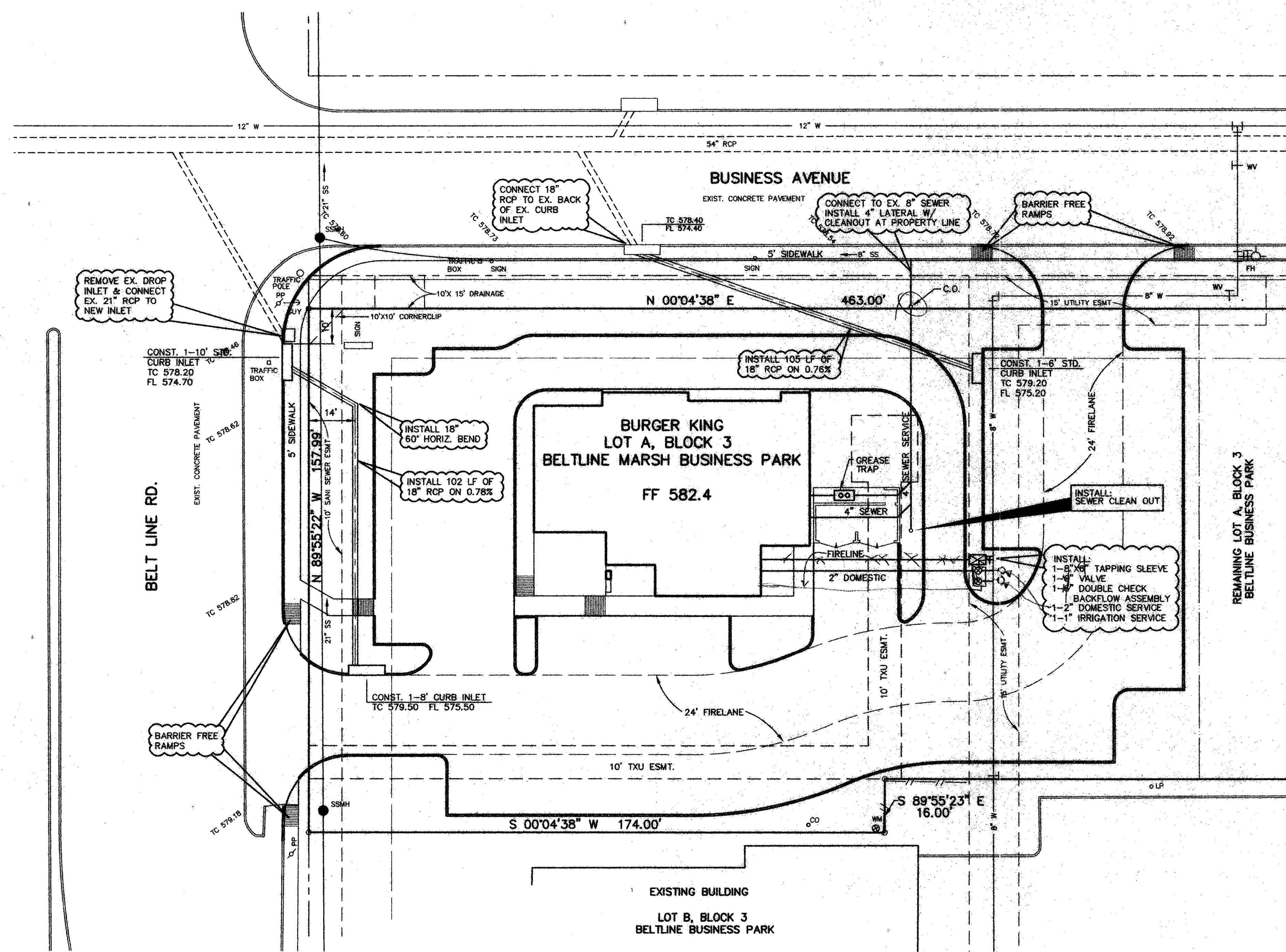
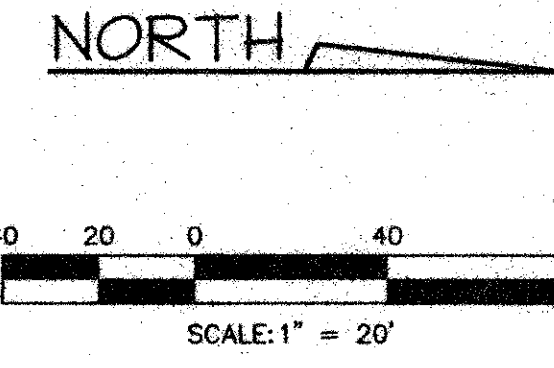
DRAINAGE AREA MAP
 BURGER KING
 CITY OF ADDISON, TX.



THE SEAL APPEARING ON THIS DOCUMENT HAS AUTHORIZED BY:
 MARC O. BENTLEY, P.E.
 No. 64980 Dk 9/3/99

Scale: 1" = 20'
 File Name: BKADDSITE.DWG
 Date: 7/19/99
 Project No: 99122
 Designed: B.E.J.
 Drawn: B.E.J.
 Checked: M.G.B.

G:\PROJECTS\99122\BKADDSITE.DWG P11 9/3/99 10:31:30 AM

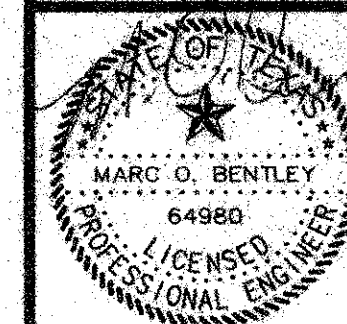


GENERAL NOTES

- All work shall conform to City of Addison Standard Specifications for Water & Sewer Construction.
- All water lines to have 42 inch minimum cover as measured from top of pipe to existing ground or finished grade, whichever is greater or as needed to clear other utilities.
- Water mains shall be Ductile Iron, Class 350, all sizes, with polyethylene wrap, or Cast Iron, Class 150, 8" or larger, with polyethylene wrap, or PVC, Class 150, DR 18 (C900), all sizes.
- Contractor shall use PVC SDR 35 Sewer pipe. PVC pipe shall have a maximum deflection of 5%.
- Contractor shall provide City with a barricade plan for utility work within street right-of-way.
- Valves shall be resilient seat gate valves.
- Trench excavation for trenches 5 feet or more in depth shall be in accordance with all provisions of Part 1926, Subpart P - Excavations, Trenching and shoring of the Occupational Safety and Health's Standards and Interpretations. It shall be the responsibility of the Contractor to conform to the above stated provisions and to supply Trench Safety Plans to the City.
- The locations of all utilities indicated on the plans are taken from available public records. The exact location and depth of all utilities indicated must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
- It shall be the responsibility of the Contractor to protect all existing utilities in the construction of this project. Any utilities damaged during the construction of this project shall be repaired at the Contractor's expense.
- Work on Beltline Road per Town of Addison's ordinances & restrictions.
- All water services shall have backflow devices installed between the meter and building.

RECORD DRAWING

WATER/SEWER PLAN
BURGER KING
CITY OF ADDISON, TX.



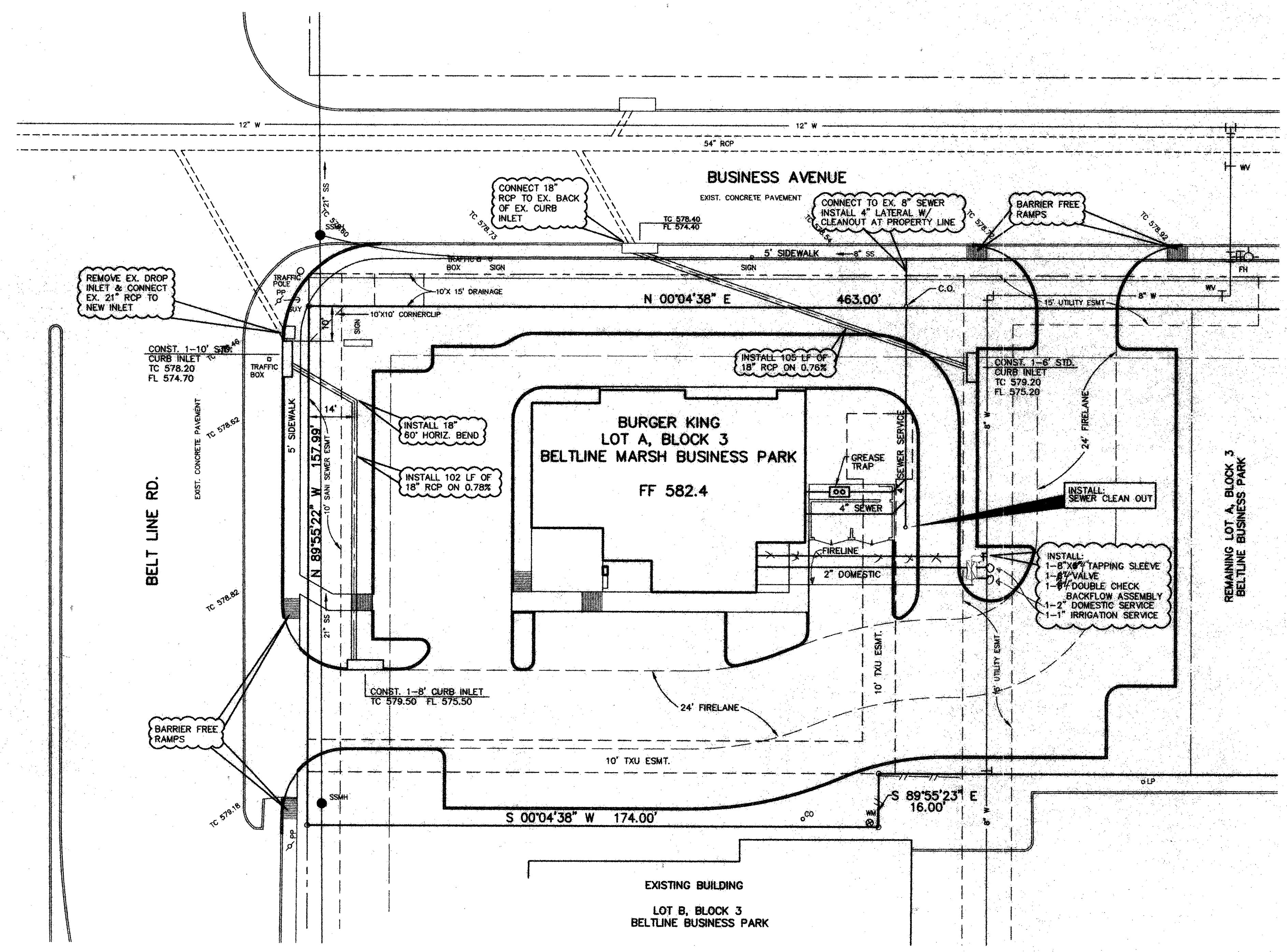
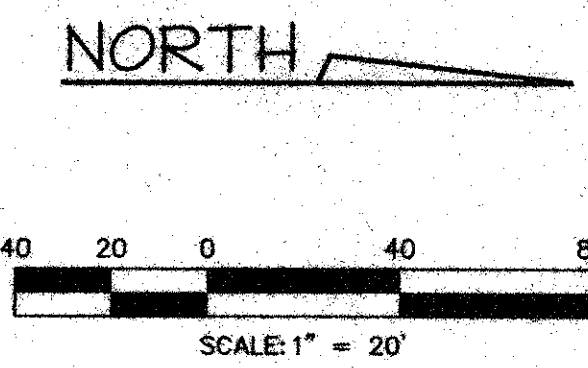
RECORD DRAWING

IMPROVEMENTS INDICATED ON THIS PLAN WHERE MADE IN ACCORDANCE WITH THE PROJECT PLANS & SPECIFICATIONS. THE DESIGN ENGINEER IS NOT AWARE OF ANY CHANGES TO THESE PLANS OTHER THAN THOSE SHOWN.
 DATE: JANUARY 5, 2000

BENCHMARK: "X" CUT ON CENTER OF CURB INLET WEST SIDE OF BUSINESS AVE. APPROXIMATELY 120 FEET NORTH OF BELTLINE RD.
 ELEV 578.52

Scale:	1"=20'
File Name:	BKADDSITE.DWG
Date:	7/19/99
Project No.:	99122
Designed:	B.E.I.
Drawn:	B.E.I.
Checked:	M.O.S.
SHEET	

C4

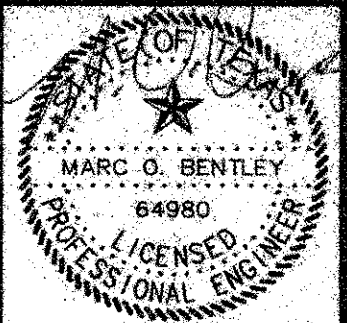


GENERAL NOTES

- All work shall conform to City of Addison Standard Specifications for Water & Sewer Construction.
- All water lines to have 42 inch minimum cover as measured from top of pipe to existing ground or finished grade, whichever is greater or as needed to clear other utilities.
- Water mains shall be Ductile Iron, Class 350, all sizes, with polyethylene wrap, or Cast Iron, Class 150, 8" or larger, with polyethylene wrap, or PVC, Class 150, DR 18 (C800), all sizes.
- Contractor shall use PVC SDR 35 Sewer pipe. PVC pipe shall have a maximum deflection of 5%.
- Contractor shall provide City with a barricade plan for utility work within street right-of-way.
- Valves shall be resilient seat gate valves.
- Trench excavation for trenches 5 feet or more in depth shall be in accordance with all provisions of Part 1926, Subpart P - Excavations, Trenching and shoring of the Occupational Safety and Health's Standards and Interpretations. It shall be the responsibility of the Contractor to conform to the above stated provisions and to supply Trench Safety Plans to the City.
- The locations of all utilities indicated on the plans are taken from available public records. The exact location and depth of all utilities indicated must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
- It shall be the responsibility of the Contractor to protect all existing utilities in the construction of this project. Any utilities damaged during the construction of this project shall be repaired at the Contractor's expense.
- Work on Beltline Road per Town of Addison's ordinances & restrictions.
- All water services shall have backflow devices installed between the meter and building.

RECORD DRAWING

WATER/SEWER PLAN
BURGER KING
CITY OF ADDISON, TX.



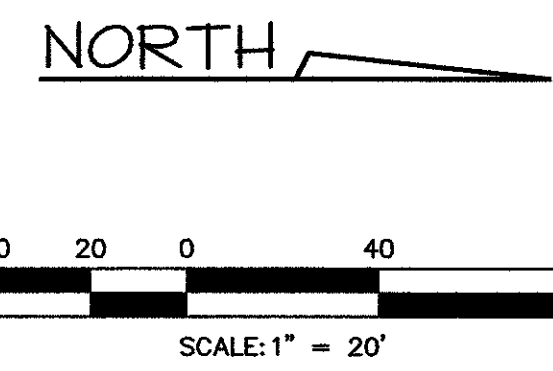
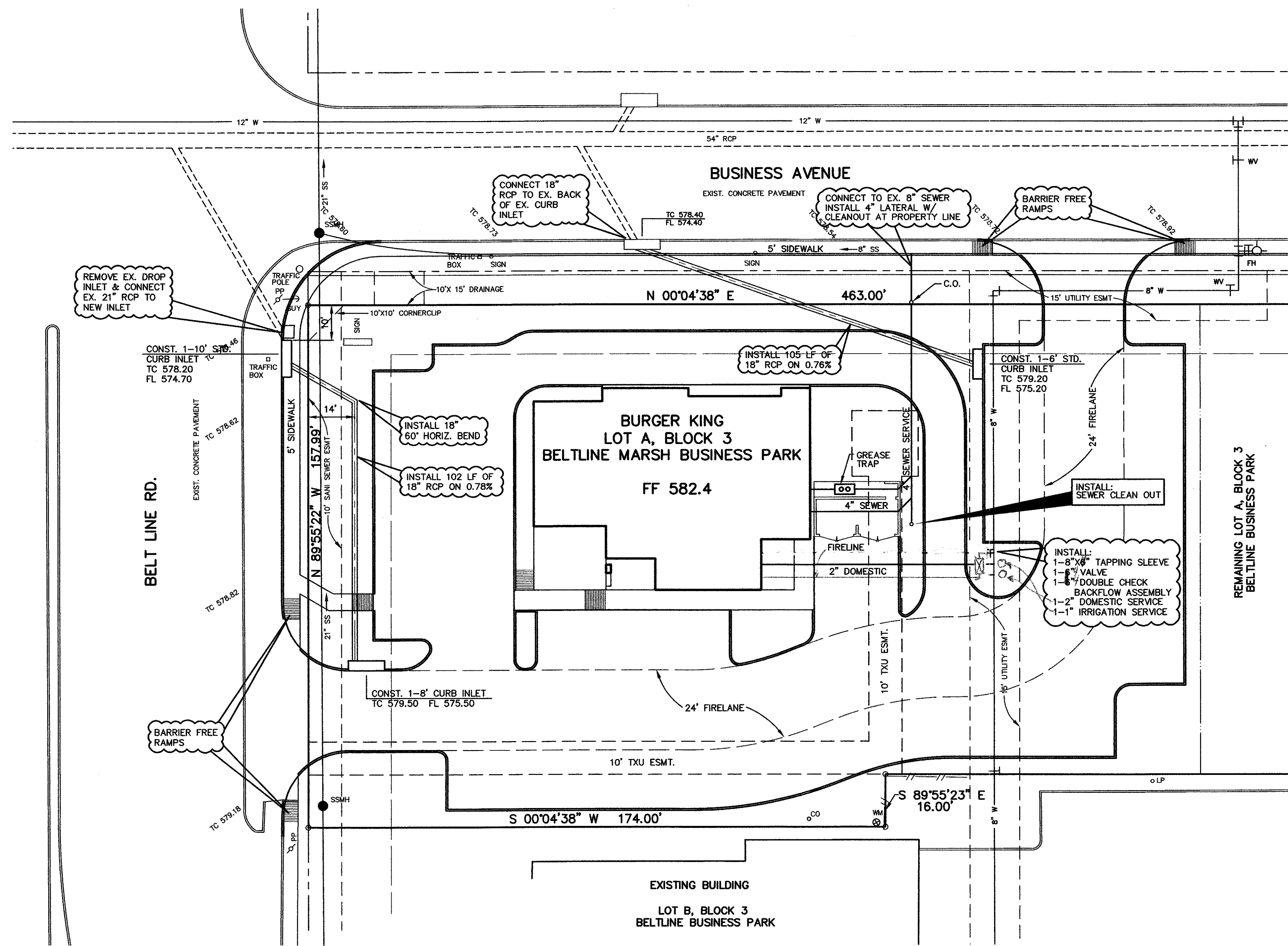
RECORD DRAWING

IMPROVEMENTS INDICATED ON THIS PLAN WERE MADE IN ACCORDANCE WITH THE PROJECT PLANS & SPECIFICATIONS. THE DESIGN ENGINEER IS NOT AWARE OF ANY CHANGES TO THESE PLANS OTHER THAN THOSE SHOWN.
 DATE: JANUARY 5, 2000

BENCHMARK: "X" CUT ON CENTER OF CURB INLET WEST SIDE OF BUSINESS AVE. APPROXIMATELY 120 FEET NORTH OF BELTLINE RD.
 ELEV 578.52

Scale:	1"=20'
File Name:	BKADDSTIE.DWG
Date:	7/19/99
Project No.:	99122
Designed:	B.E.I.
Drawn:	B.E.I.
Checked:	M.O.B.

C:\PROJECTS\99122\BKADDSTIE.dwg Mod Jan 05 15:23:41 2000



GENERAL NOTES

1. All work shall conform to City of Addison Standard Specifications for Water & Sewer Construction.
2. All water lines to have 42 inch minimum cover as measured from top of pipe to existing ground or finished grade, whichever is greater or as needed to clear other utilities.
3. Water mains shall be Ductile Iron, Class 350, all sizes, with polyethylene wrap, or Cast Iron, Class 150, 8" or larger, with polyethylene wrap, or PVC, Class 150, DR 18 (C900), all sizes.
4. Contractor shall use PVC SDR 35 Sewer pipe. PVC pipe shall have a maximum deflection of 5%.
5. Contractor shall provide City with a barricade plan for utility work within street right-of-way.
6. Valves shall be resilient seat gate valves.
7. Trench excavation for trenches 5 feet or more in depth shall be in accordance with all provisions of Part 1926, Subpart P - Excavations, Trenching and shoring of the Occupational Safety and Health's Standards and Interpretations. It shall be the responsibility of the Contractor to conform to the above stated provisions and to supply Trench Safety Plans to the City.
8. The locations of all utilities indicated on the plans are taken from available public records. The exact location and depth of all utilities indicated must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
9. It shall be the responsibility of the Contractor to protect all existing utilities in the construction of this project. Any utilities damaged during the construction of this project shall be repaired at the Contractor's expense.
10. Work on Beltline Road per Town of Addison's ordinances & restrictions.
11. All water services shall have backflow devices installed between the meter and building.

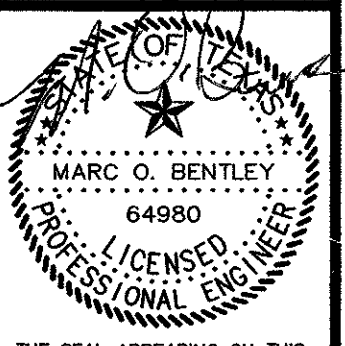
RECORD DRAWING

IMPROVEMENTS INDICATED ON THIS PLAN WHERE MADE IN ACCORDANCE WITH THE PROJECT PLANS & SPECIFICATIONS. THE DESIGN ENGINEER IS NOT AWARE OF ANY CHANGES TO THESE PLANS OTHER THAN THOSE SHOWN.
DATE: JANUARY 5, 2000

BENCHMARK: "X" CUT ON CENTER OF CURB INLET WEST SIDE OF BUSINESS AVE. APPROXIMATELY 120 FEET NORTH OF BELTLINE RD.
ELEV 578.52

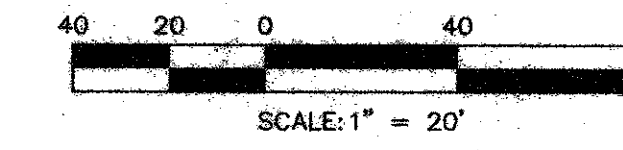
RECORD DRAWING	M.T.	By
	1	9/3/99
No.	PER CITY COMMENTS	Revision
Date		

WATER/SEWER PLAN
BURGER KING
CITY OF ADDISON, TX.



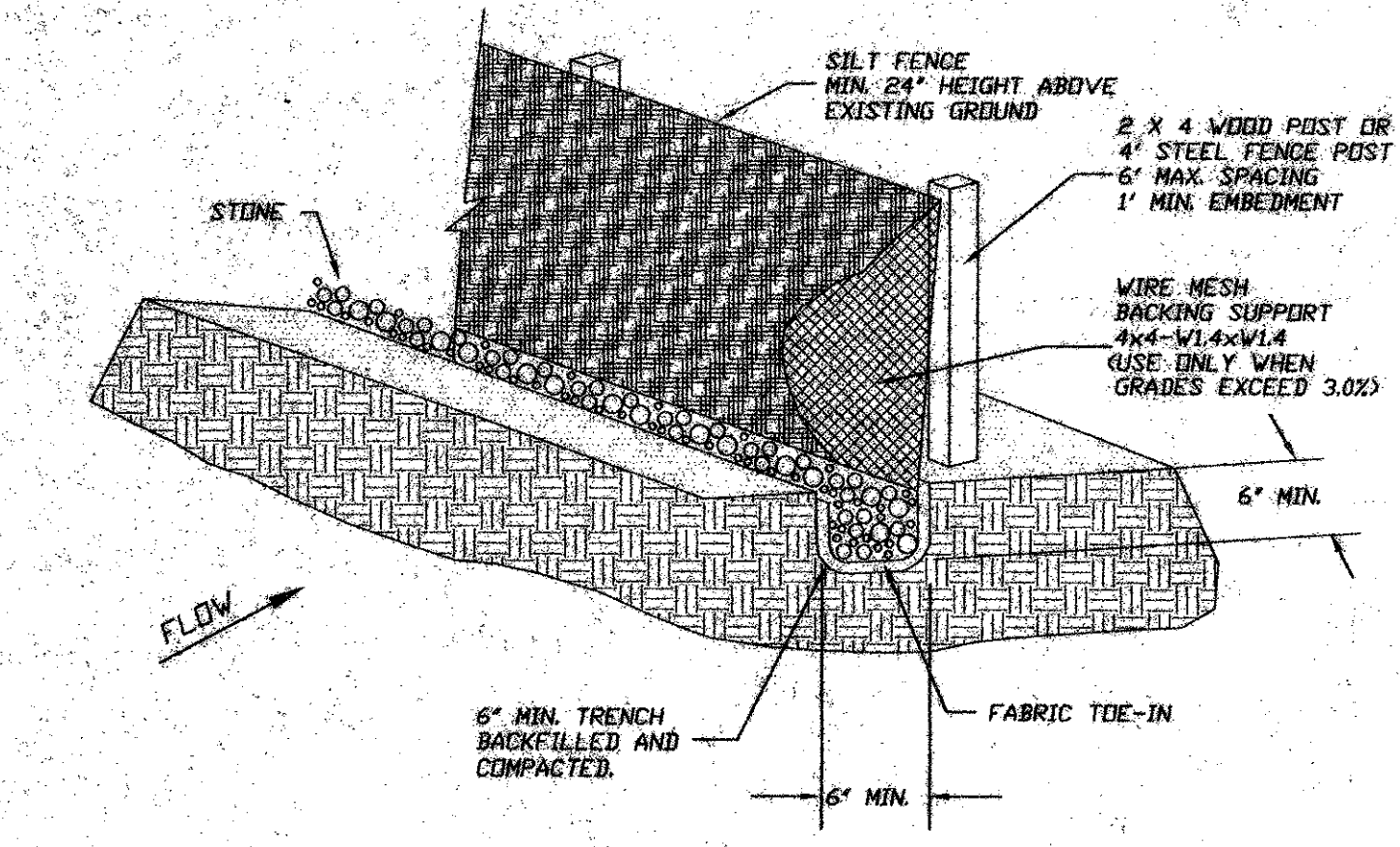
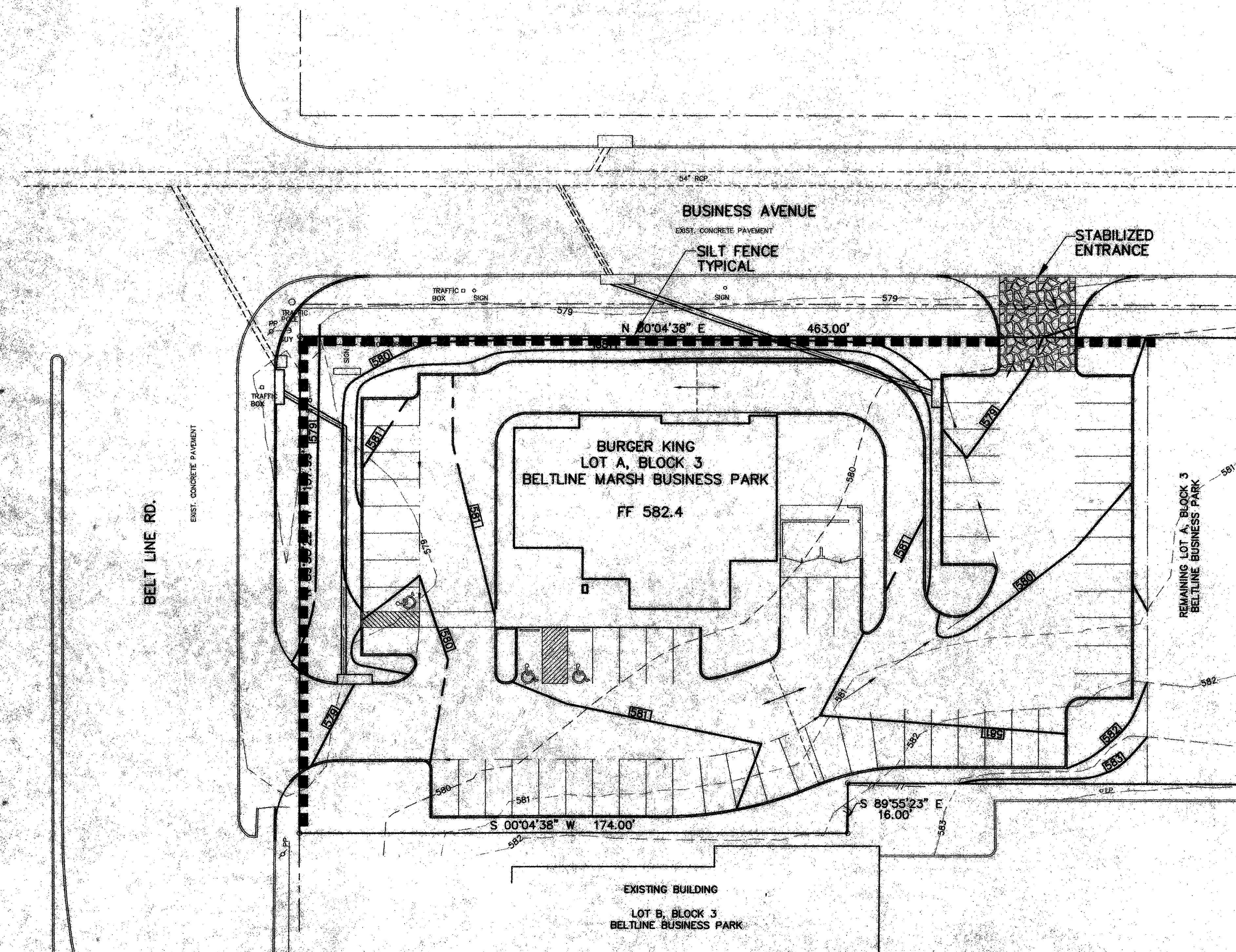
Scale:	1"=20'
File Name:	BKADDSITE.DWG
Date:	7/19/99
Project No.:	99122
Designed:	B.E.I.
Drawn:	B.E.I.
Checked:	M.O.B.

NORTH



EROSION CONTROL SPECIFICATIONS

- The Contractor shall provide and maintain erosion control devices in the areas indicated on the Erosion Control Plan or any other areas as directed by the Owner's representative.
- The Electrical Utility, Natural Gas, Telephone, and Cable TV Contractor shall re-establish any previously established erosion control measure or device that is disturbed by their construction, including vegetative cover.
- Site entry and exit locations shall be maintained in a condition which will prevent tracking or flowing of sediment onto public roadways. All sediment spilled, dropped, washed or tracked onto a public roadway must be removed immediately. When washing is required to remove sediment prior to entrance to a public roadway, it shall be done on an area stabilized with crushed stone which drains into an approved sediment basin. All fines imposed for tracking onto public roads shall be paid by the Contractor.
- Temporary seeding or other method of stabilization shall be initiated within 14 days of the last disturbance on any area of the site, unless additional construction on the area is expected within 21 days of the last disturbance.
- Upon completion of fine grading by Paving and Grading Contractor, all areas not otherwise permanently stabilized shall be seeded and maintained until a uniform coverage of 70% minimum density, as determined by the Owner's representative, is achieved.
- Erosion control devices may be added or reduced in the field as directed by the Owner's representative.
- Contractor shall install and use a temporary pit or basin for on-site disposal of concrete waste from mixing drums and chutes. Waste material will not be discharged to vacant lots, streets and drainage right-of-ways, etc.
- If pumps are used to remove water from excavated areas, filter the discharge to remove sediment and other pollutants before the water leaves the site.
- MAINTENANCE** - Erosion controls shall be repaired or replaced as inspection deems necessary or as directed by the Owner's representative. Accumulated silt at any erosion control device shall be removed when it reaches a depth of 6", and shall be distributed on site in a manner not contributing to additional siltation. Contractor shall inspect erosion devices within 24 hours after a storm event of 1/2 inch or greater.
- The Contractor is responsible for re-establishing any erosion control device which he disturbs. Each Contractor shall notify the Owner's representative of any deficiencies in the established erosion control measures which may lead to unauthorized discharge of storm water pollution, sedimentation, or other pollutants. Unauthorized pollutants include, but are not limited to, excess concrete dumping or concrete residue, paints, solvents, greases, fuel and lube oil, pesticides, and solid waste materials.



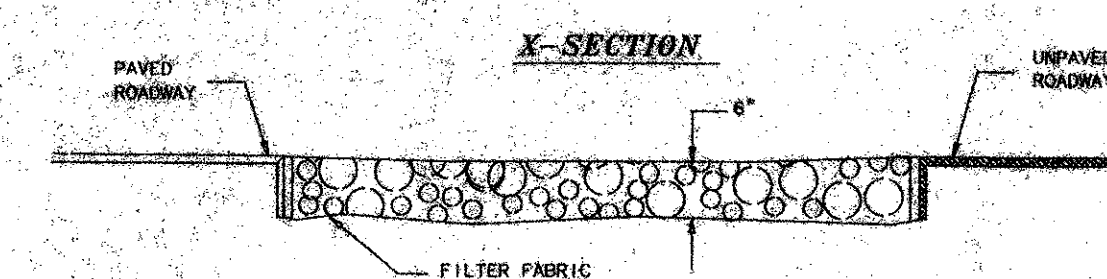
SILT FENCE

N.T.S.

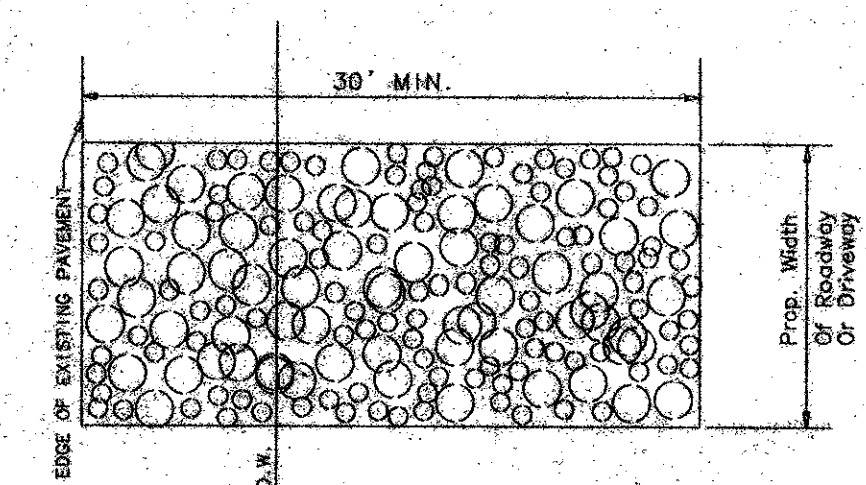
A Stabilized Construction Entrance applies to points of construction ingress and egress where sediment may be tracked or flow off the construction site.

MAINTENANCE

The Entrance shall be maintained in a condition which will prevent tracking or flowing of Sediment onto Public Rights-of-Way. This may require periodic top dressing with additional stone or additional length as conditions demand and repair and/or Cleanout of any measures used to trap sediment. All sediment applied, dropped, washed, or tracked onto Public Rights-of-Way must be removed immediately.



STABILIZED CONSTRUCTION ACCESS

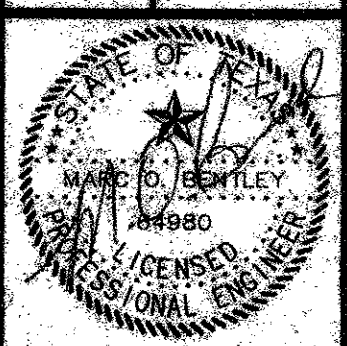


PLAN

3832 BELTLINE

BENTLEY ENGINEERING, INC.
CIVIL ENGINEERING • PLANNING • CONSTRUCTION MANAGEMENT
300 GATEWOOD DRIVE
FARMERSVILLE, TEXAS 77931
TEL: (972) 246-4831
FAX: (972) 246-0922

EROSION CONTROL
BURGER KING
CITY OF ADDISON, TX.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MARC O. BENTLEY, P.E. NO. 44980 ON 9/2/99

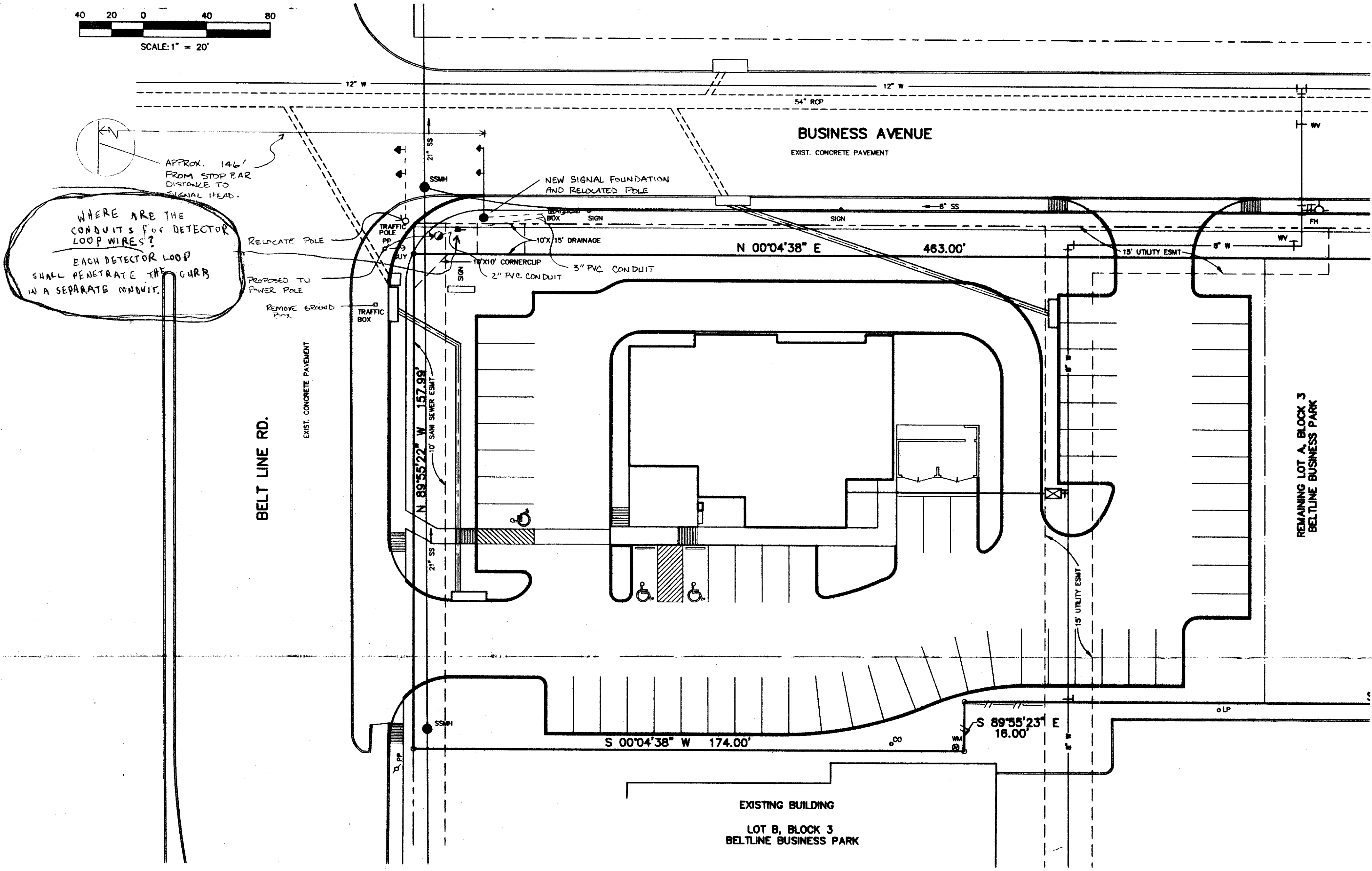
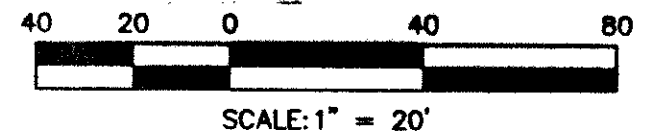
Scale:	1" = 20'
File Name:	BRKADDSITE.DWG
Date:	7/19/99
Project No.:	99122
Designed:	B.E.I.
Drawn:	B.E.I.
Checked:	M.O.B.

SHEET

C5

B:\PROJECTS\98122\BRKADDSITE.DWG PFI: SDR: 03: 11: 30: 05: 1999

NORTH



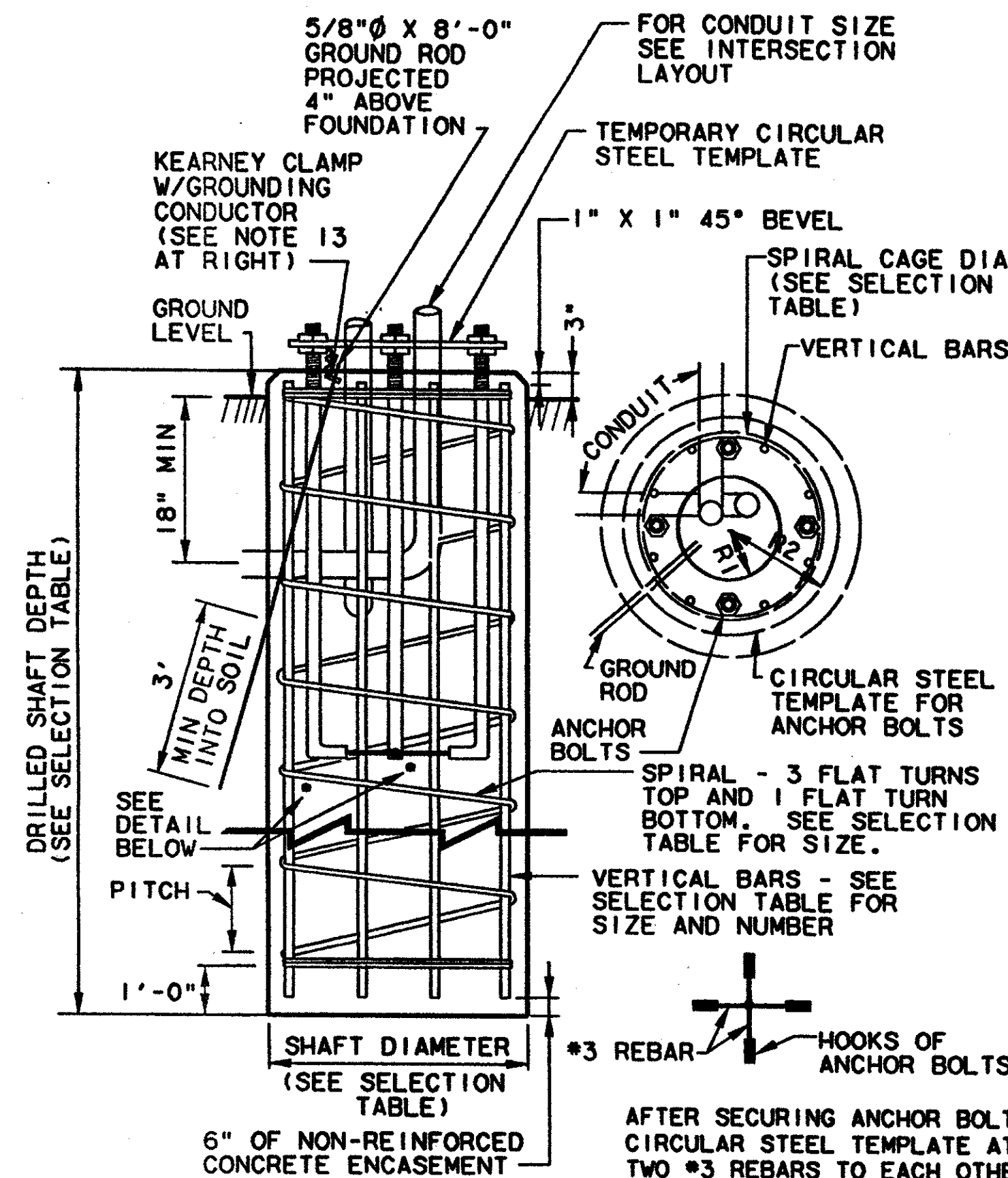
LEGEND

- TRAFFIC SIGNAL POLE
- PROPOSED PVC CONDUIT
- PROPOSED GROUND BOX
- PROPOSED TU POWER POLE

TRAFFIC SIGNAL RELOCATION
 PARKWAY CONSTRUCTION
 BELT LINE RD @ BUSINESS
 TOWN OF ADDISON, TEXAS

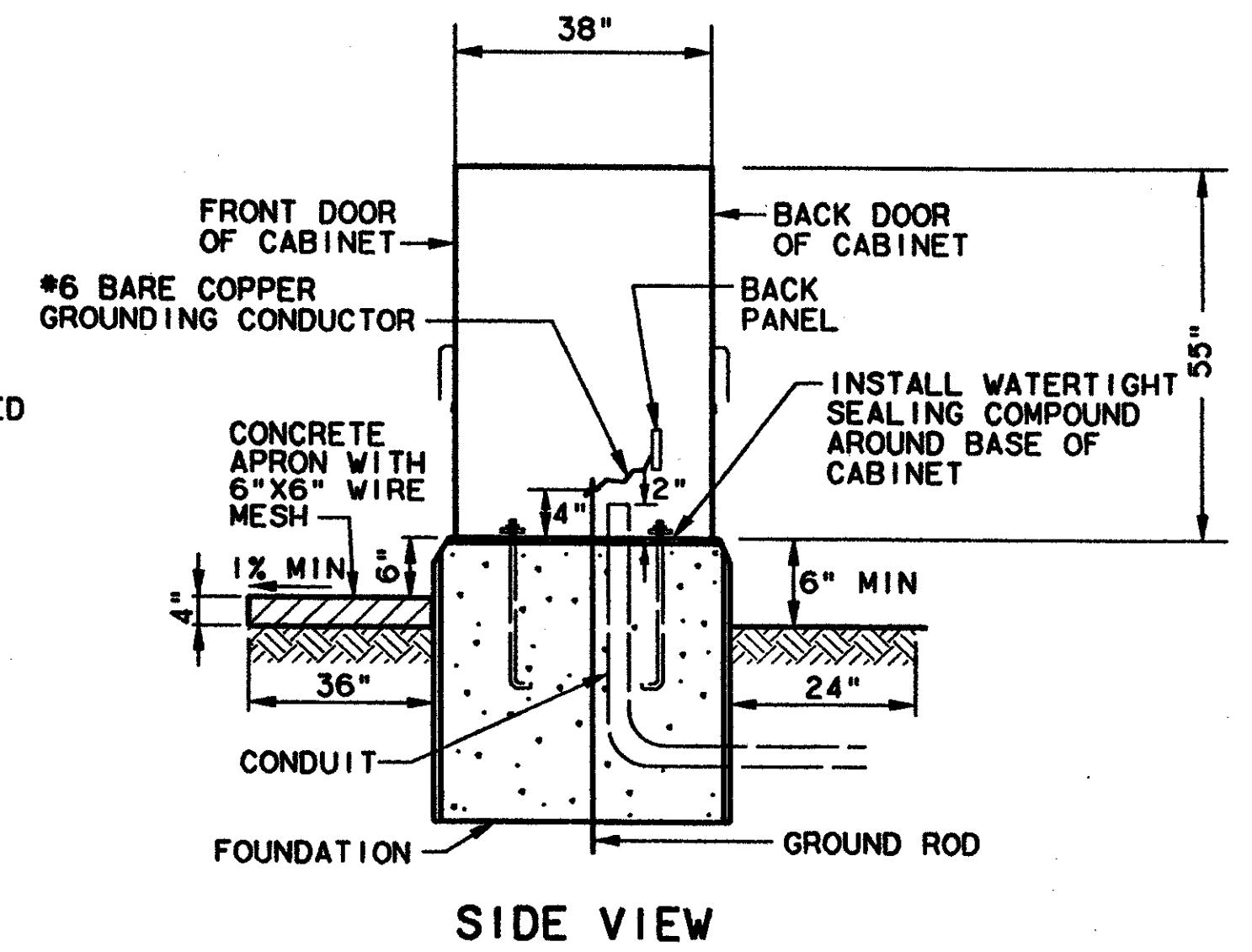
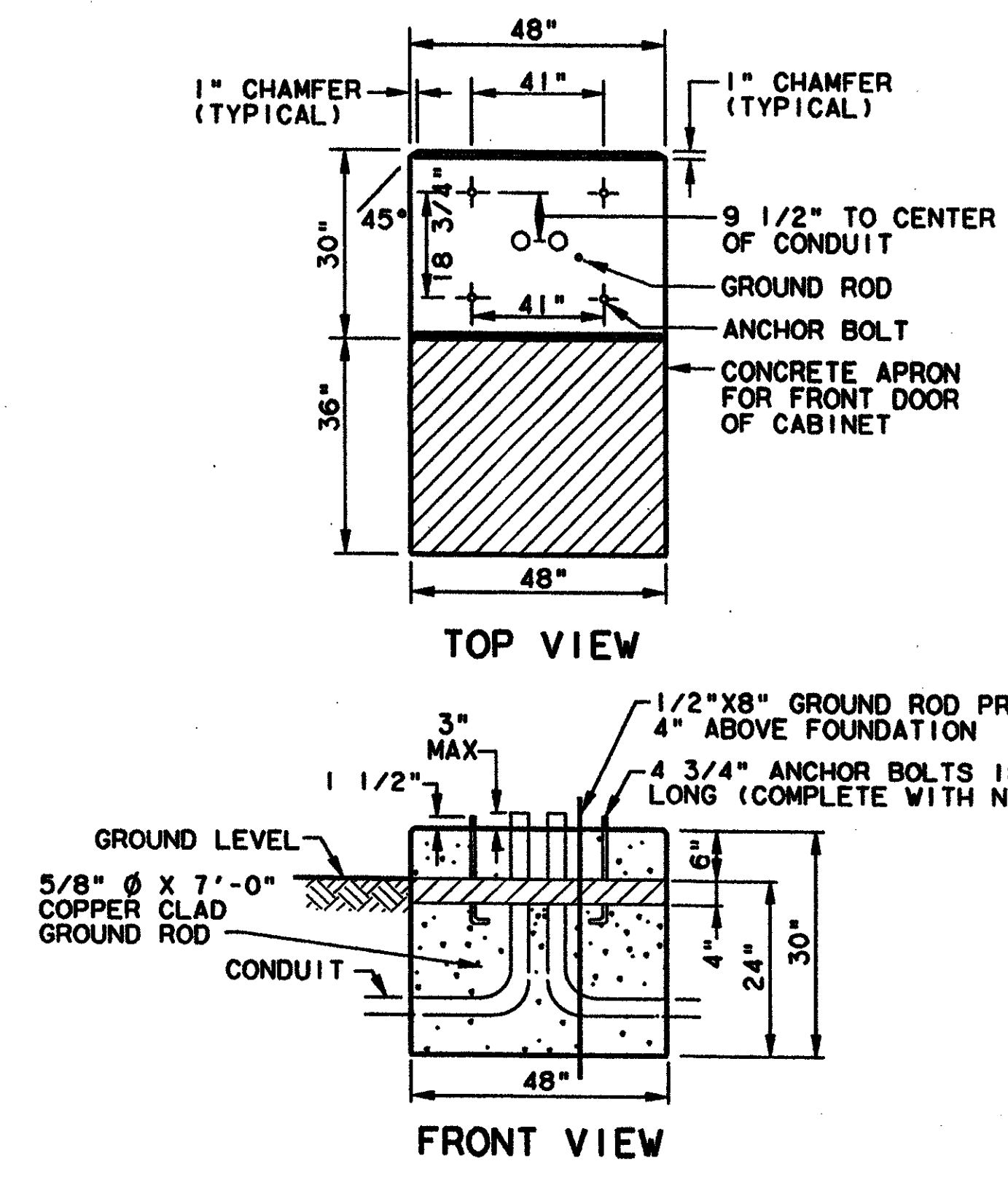
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
			NTS			

Mahesh Mohan
12/14/99



- NOTES:
1. A 1/4" THICK STEEL PLATE TEMPLATE WITH HOLES 1/16" GREATER THAN THE ANCHOR BOLT DIAMETER SHALL BE USED TO ACCURATELY POSITION ANCHOR BOLTS.
 2. CONCRETE USED FOR FOUNDATIONS SHALL BE EITHER CLASS A OR CLASS C AS DEFINED IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS' "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" ITEM 7.4.5
 3. ALL ANCHOR BOLT HOOKS SHALL BE POINTED TOWARDS THE CENTER OF THE FOUNDATION.
 4. ALL CONDUITS PLACED IN THE FOUNDATION SHALL BE ORIENTED AS INDICATED ON THE INTERSECTION CONDUIT LAYOUT.
 5. 7" OF THE THREADED PORTION OF EACH ANCHOR BOLT SHALL PROJECT ABOVE THE TOP SURFACE OF THE FOUNDATION.
 6. A 5/8" X 8'-0" COPPER CLAD STEEL GROUND ROD SHALL BE PLACED IN THE FOUNDATION WITH A MINIMUM OF 4" OF THE ROD PROJECTING ABOVE THE FOUNDATION'S TOP SURFACE.
 7. EACH GROUND ROD SHALL BE DRIVEN INTO THE SOIL FOR A MINIMUM OF 3' AS INDICATED IN THE DRAWING AT THE LEFT.
 8. WHEN SOLID ROCK IS ENCOUNTERED DURING DRILLING, THE DRILLED SHAFT SHALL EXTEND 5'-0" INTO SOLID ROCK, OR TO A DEPTH DETERMINED BY THE INSPECTOR.
 9. THE CONFIGURATION FOR ANCHOR BOLTS AND VERTICAL BARS INSIDE THE SPIRAL CAGE SHALL BE AS INDICATED ON DRAWING AT THE LEFT.
 10. SEE SELECTION TABLE FOR APPROPRIATE DRILLED SHAFT DEPTH FOR A GIVEN TYPE OF POLE AND ARM.
 11. ALL STEEL REINFORCEMENT BARS SHALL BE OF INTERMEDIATE GRADE.
 12. A 2' DEEP CIRCULAR FORM SHALL BE PLACED TO ENCASE THE TOP PORTION OF ALL CIRCULAR FOUNDATIONS.
 13. CONNECT #6 AWG STRANDED UNINSULATED COPPER GROUNDING CONDUCTOR TO GROUND ROD WITH A KEARNEY CLAMP. FOR FURTHER DETAILS CONCERNING GROUNDING CONSULT "DETAILS FOR GROUNDING CABINETS AND POLES" DRAWING.

AFTER SECURING ANCHOR BOLTS TO THE TEMPORARY CIRCULAR STEEL TEMPLATE AT THE TOP, TACK WELD TWO #3 REBARS TO EACH OTHER AND THE HOOKS OF THE ANCHOR BOLTS IN THE CONFIGURATION SHOWN AT LEFT.



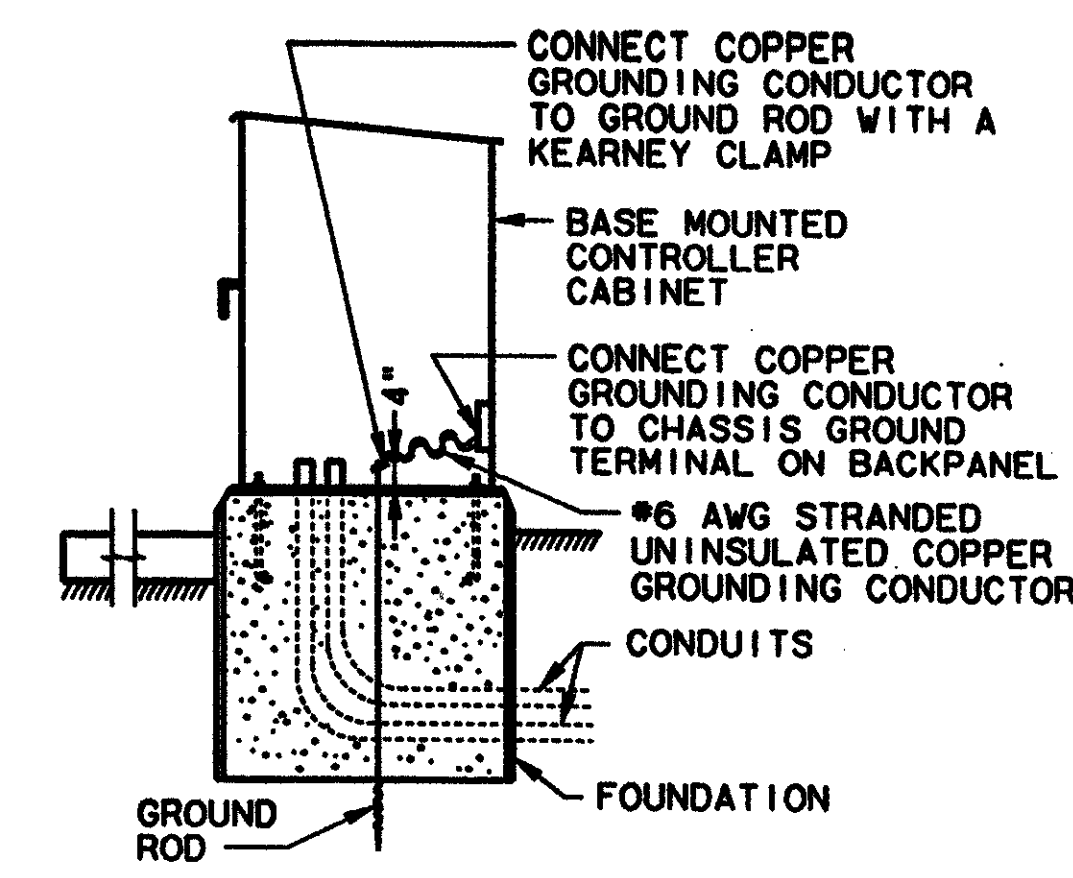
DETAILS FOR INSTALLING CONTROLLER CABINET AND FOUNDATION

- GENERAL NOTES
1. ALL CONTROLLER CABINETS AND SIGNAL POLES MOUNTED ON NEW FOUNDATIONS MUST BE GROUND.
 2. SIZE OF COPPER CLAD STEEL GROUND ROD SHALL BE 5/8" X 8'-0".
 3. WHEN INSTALLING A GROUND ROD IN AN EXISTING FOUNDATION, DRILL 1" HOLE THROUGH THE FOUNDATION MISSING ALL ANCHOR BOLTS AND CONDUITS. AND PACK THE DRILLED HOLE WITH SALT.
 4. GROUND ROD SHALL CLEAR ALL ANCHOR BOLTS AND CONDUITS IN THE FOUNDATION. GROUND RODS SHALL EXTEND 4" ABOVE THE TOP OF FOUNDATION.

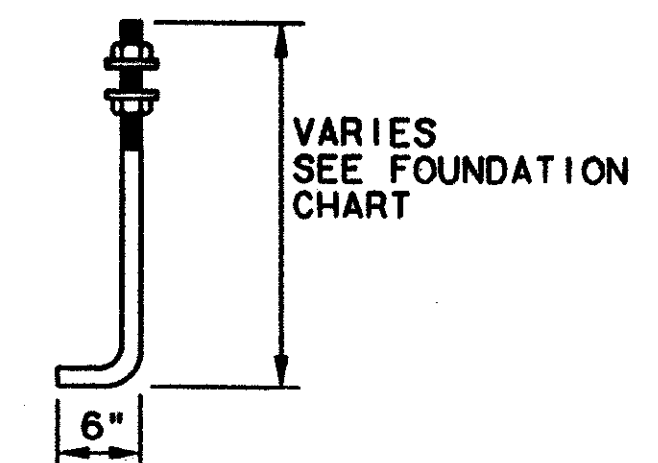
TYPE OF POLE AND MAST ARM	FOUNDATION TYPE	DRILLED SHAFT DIAMETER	SPIRAL CAGE DIAMETER	REINFORCEMENT STEEL		DRILLED SHAFT DEPTH	ANCHOR BOLT - QUANTITY AND DIMENSION	ANCHOR BOLT CIRCLE DIAMETER	TEMPLATE	
				VERT BARS	SPIRAL & PITCH				INSIDE RADIUS R1	OUTSIDE RADIUS R2 (MIN.)
TYPE I UP TO 36' ARM	30-A	30"	25"	8-#7'S	#3 AT 9"	11'-0"	(4) - 1 1/2" X 40" X 6" HOOK	17"	7"	10"
TYPE I UP TO 48' ARM	30-B	30"	25"	8-#9'S	#3 AT 9"	13'-0"	(4) - 1 3/4" X 46" X 6" HOOK	19"	7 3/4"	11 1/8"

- NOTES:
1. DRILLED SHAFT DIAMETER AND DEPTH, AND NUMBER OF VERTICAL BARS BASED ON TXDOT DISTRICT 18 STANDARDS FOR 80 MPH WINDS.
 2. SINGLE MAST ARM.

POLE FOUNDATION DETAILS FOR TRAFFIC SIGNAL STRUCTURES



(4) ANCHOR BOLTS WITH (2) HEX NUTS AND (2) WASHERS PER BOLT WITH THREADED END GALVANIZED AT LEAST 12".



ANCHOR BOLT
NO SCALE

GROUND CABINETS DETAIL

TRAFFIC SIGNAL CONTROLLER CABINET, AND SIGNAL FOUNDATION DETAILS						
TOWN OF ADDISON, TEXAS						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
			NTS			