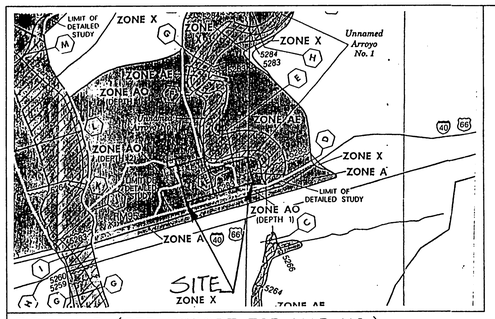
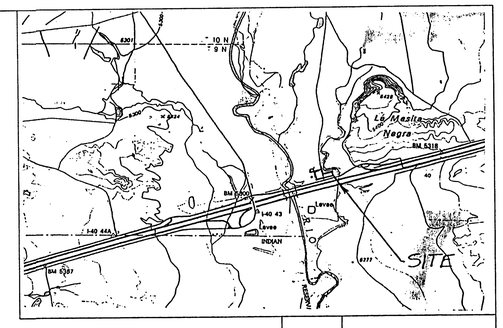
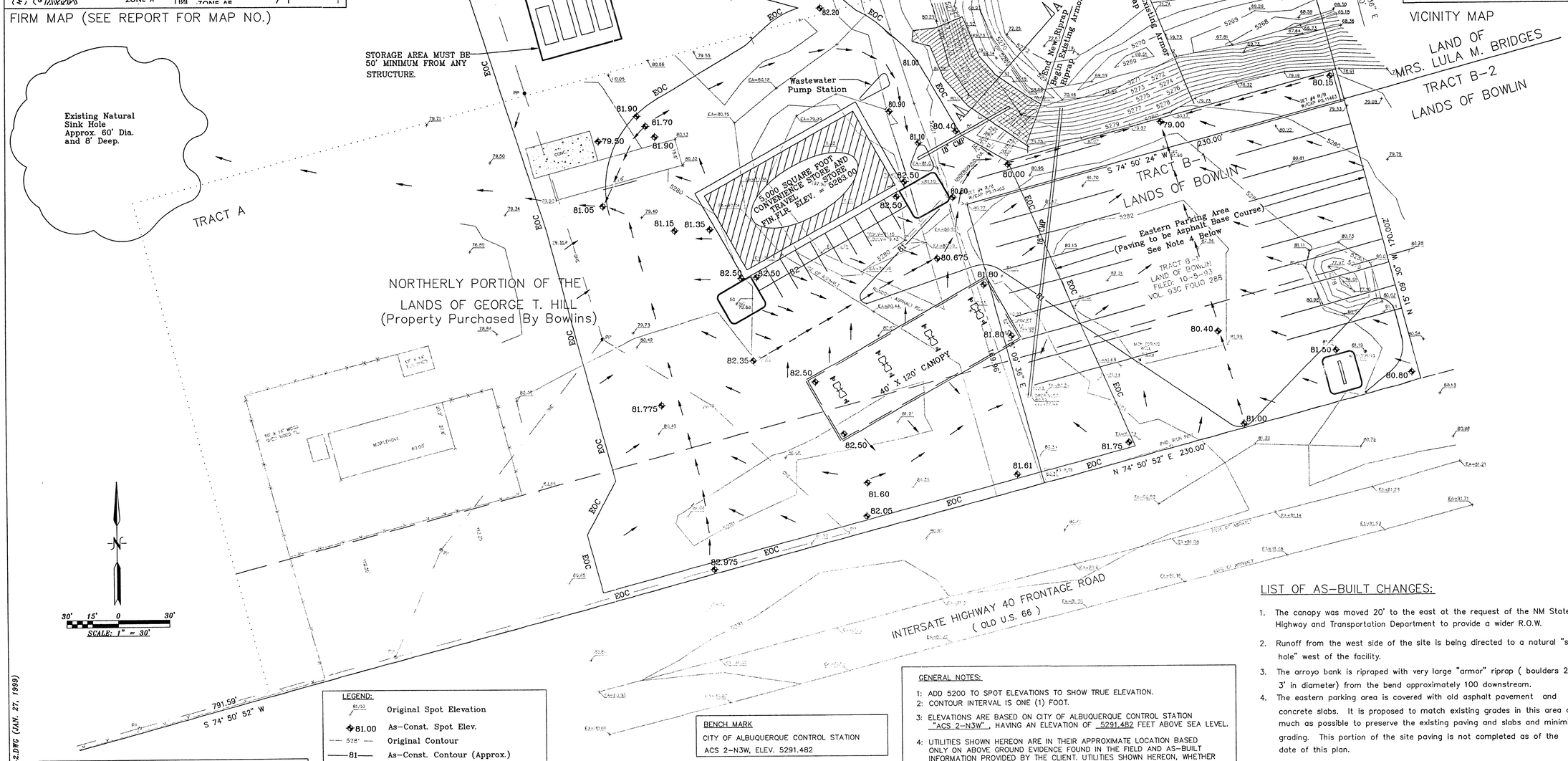


FIRM MAP (SEE REPORT FOR MAP NO.)



VICINITY MAP



BOWLIN-2.DWG (JAN. 27, 1999)

LEGAL DESCRIPTION

TRACT B-1, LAND OF BOWLIN AND A PORTION OF THE NORTHERLY PORTION OF LANDS OF GEORGE T. HILL.

LEGEND:

81.03	Original Spot Elevation
81.00	As-Const. Spot Elev.
528'	Original Contour
81	As-Const. Contour (Approx.)
EOC	Approx. Edge of New Conc. Pavm't.
	Flow Direction

BENCH MARK

CITY OF ALBUQUERQUE CONTROL STATION ACS 2-N3W, ELEV. 5291.482

TEMPORARY BENCH MARK (TBM)

TOP OF MONITORING WELL NEAR SE CORNER OF TRACT B-1, LAND OF BOWLIN, ELEV. = 5281.19

GENERAL NOTES:

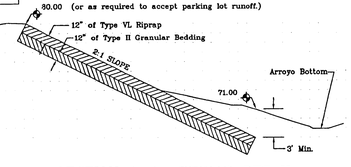
1: ADD 5200 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2: CONTOUR INTERVAL IS ONE (1) FOOT.
3: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION "ACS 2-N3W", HAVING AN ELEVATION OF 5291.482 FEET ABOVE SEA LEVEL.
4: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.

LIST OF AS-BUILT CHANGES:

1. The canopy was moved 20' to the east at the request of the NM State Highway and Transportation Department to provide a wider R.O.W.
2. Runoff from the west side of the site is being directed to a natural "sink hole" west of the facility.
3. The arroyo bank is ripraped with very large "armor" riprap (boulders 2' 3' in diameter) from the bend approximately 100 downstream.
4. The eastern parking area is covered with old asphalt pavement and concrete slabs. It is proposed to match existing grades in this area as much as possible to preserve the existing paving and slabs and minimize grading. This portion of the site paving is not completed as of the date of this plan.

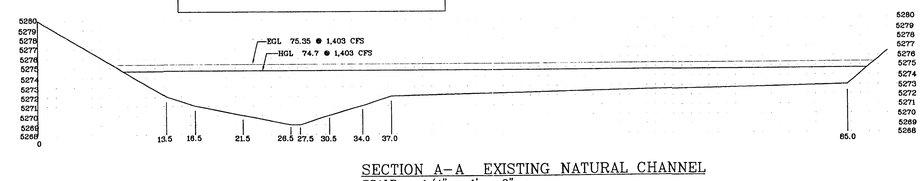
RIPRAP CLASSIFICATION & GRADATION				
RIPRAP DESIGNATION	% GIVEN SIZE BY WT.	MIN DIMENSIONS (INCHES)		50%
	100			9ss
TYPE VL	35 - 55	6	6	
Very Light	10	2		
50% = MEAN PARTICAL SIZE				
80 AT LEAST 30% OF ALL STONES BY WEIGHT SHALL BE THIS DIMENSION				

GRADATION FOR TYPE II GRANULAR BEDDING	
U.S. STANDARD SIEVE SIZE	SQUARE MESH SIEVES PERCENT PASSING BY WEIGHT
1-1/2"	90 - 100
3/4"	-
3/8"	20 - 90
#4	-
#16	0 - 20
#50	-
#100	-
#200	0 - 3



SECTION A-A RIPRAP DETAIL

SCALE : 1/4" = 1' - 0"



SECTION A-A EXISTING NATURAL CHANNEL

SCALE : 1/4" = 1' - 0"

ENGINEER'S CERTIFICATION:

Having personally inspected the as-constructed facility, and having shown as-constructed spot elevations and noted significant changes (above), I hereby certify that the plan is in substantial conformance with the approved grading and drainage plan with engineer's stamp dated 2/5/98.

Frank D. Lovelady 1/27/99

Frank D. Lovelady, N.M.P.E. 6512 (Date)

Bernalillo County Public Works No. PWD 97-207.

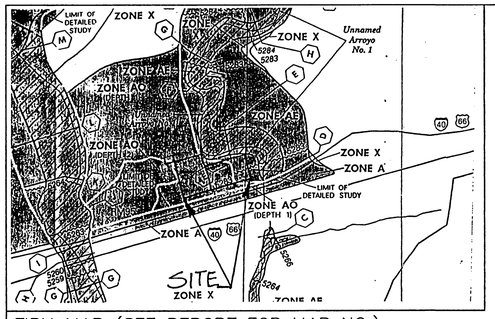
ENGINEER'S STAMP

GRADING AND DRAINAGE PLAN
PROPOSED CONVENIENCE STORE AND CANOPY
FOR BOWLIN, INC.
INTERSTATE 40 NORTH FRONTAGE ROAD
RIO PUERCO, NEW MEXICO

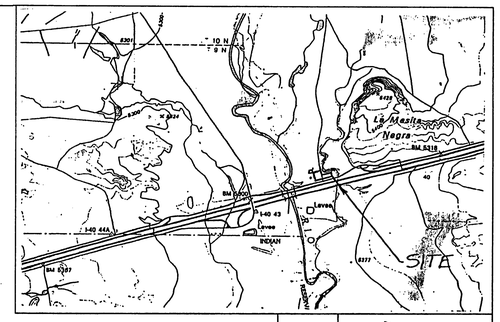
Designed:	Drawn:	Checked	Scale:	Date:	Job No.
FDL	FDL	FDL	1" = 30'	FEB. 1998	552

FRANK D. LOVELADY, P.E.
300 ALAMOSA ROAD NW
ALBUQUERQUE, NEW MEXICO 87107
(505)345-2267

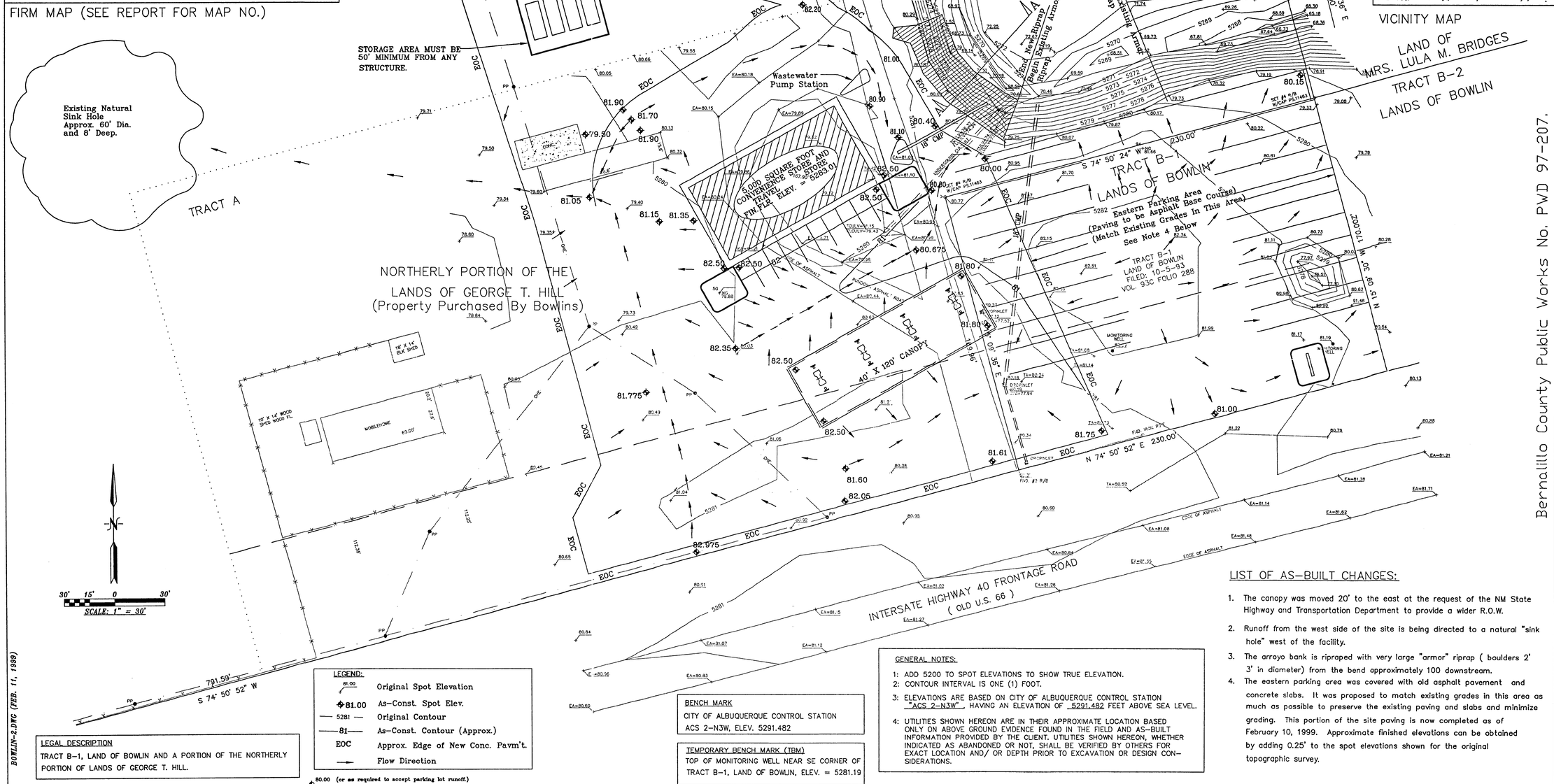
SHEET 1 OF 1



FIRM MAP (SEE REPORT FOR MAP NO.)



VICINITY MAP



Bernalillo County Public Works No. PWD 97-207.

LEGAL DESCRIPTION

TRACT B-1, LAND OF BOWLIN AND A PORTION OF THE NORTHERLY PORTION OF LANDS OF GEORGE T. HILL.

LEGEND:

81.00	Original Spot Elevation
✠81.00	As-Const. Spot Elev.
— 5281 —	Original Contour
—81—	As-Const. Contour (Approx.)
EOC	Approx. Edge of New Conc. Pavm't.
→	Flow Direction

BENCH MARK

CITY OF ALBUQUERQUE CONTROL STATION ACS 2-N3W, ELEV. 5291.482

TEMPORARY BENCH MARK (TBM)

TOP OF MONITORING WELL NEAR SE CORNER OF TRACT B-1, LAND OF BOWLIN, ELEV. = 5281.19

GENERAL NOTES:

1: ADD 5200 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2: CONTOUR INTERVAL IS ONE (1) FOOT.
3: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION "ACS 2-N3W", HAVING AN ELEVATION OF 5291.482 FEET ABOVE SEA LEVEL.
4: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.

LIST OF AS-BUILT CHANGES:

1. The canopy was moved 20' to the east at the request of the NM State Highway and Transportation Department to provide a wider R.O.W.
2. Runoff from the west side of the site is being directed to a natural "sink hole" west of the facility.
3. The arroyo bank is ripraped with very large "armor" riprap (boulders 2' 3' in diameter) from the bend approximately 100 downstream.
4. The eastern parking area was covered with old asphalt pavement and concrete slabs. It was proposed to match existing grades in this area as much as possible to preserve the existing paving and slabs and minimize grading. This portion of the site paving is now completed as of February 10, 1999. Approximate finished elevations can be obtained by adding 0.25' to the spot elevations shown for the original topographic survey.

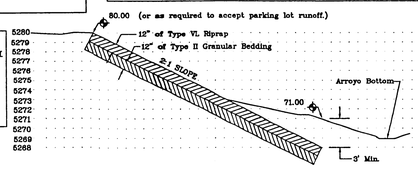
ENGINEER'S CERTIFICATION:

Having personally inspected the as-constructed facility, and having shown as-constructed spot elevations and noted significant changes (above), I hereby certify that the plan is in substantial conformance with the approved grading and drainage plan with engineer's stamp dated 2/5/98.

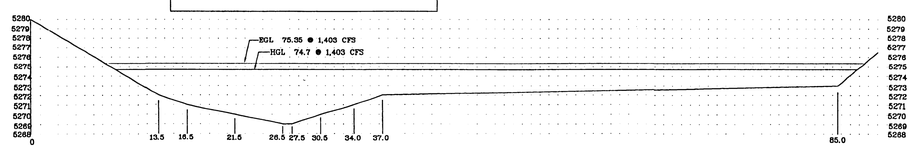
Frank D. Lovelady 2-11-99

Frank D. Lovelady, N.M.P.E. 6512 (Date)

RIPRAP CLASSIFICATION & GRADATION					GRADATION FOR TYPE II GRANULAR BEDDING	
RIPRAP DESIGNATION	2 % GIVEN SIZE BY WT.	MIN DIMENSIONS (INCHES)		Km (INCHES)	U.S. STANDARD SIEVE SIZE	SQUARE MESH SIEVES PERCENT PASSING BY WEIGHT
	100	9**			3"	90 - 100
TYPE VI.	35 - 55	6		6	1-1/2"	
(Very Light)	10	2			3/4"	20 - 90
					3/8"	
					#4	0 - 20
MIN = MEAN PARTICAL SIZE					#16	-
** AT LEAST 30% OF ALL STONES BY WEIGHT SHALL BE THIS DIMENSION.					#50	-
					#100	-
					#200	0 - 3



SECTION A-A RIPRAP DETAIL
SCALE : 1/4" = 1' - 0"



SECTION A-A EXISTING NATURAL CHANNEL
SCALE : 1/4" = 1' - 0"

ENGINEER'S STAMP

GRADING AND DRAINAGE PLAN
PROPOSED CONVENIENCE STORE AND CANOPY
FOR BOWLIN, INC.
INTERSTATE 40 NORTH FRONTAGE ROAD
RIO PUERCO, NEW MEXICO

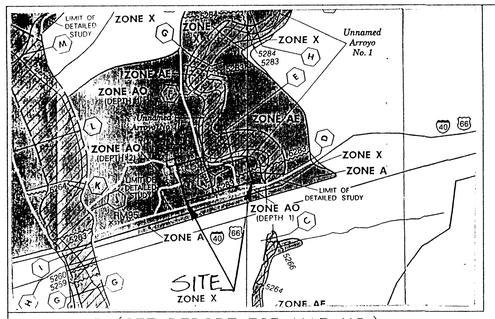
Designed	Drawn	Checked	Scale	Date	Job No.
FDL	FDL	FDL	1" = 30'	FEB. 1999	552

FRANK D. LOVELADY, P.E.
300 ALAMOSA ROAD NW
ALBUQUERQUE, NEW MEXICO 87107
(505)345-2267

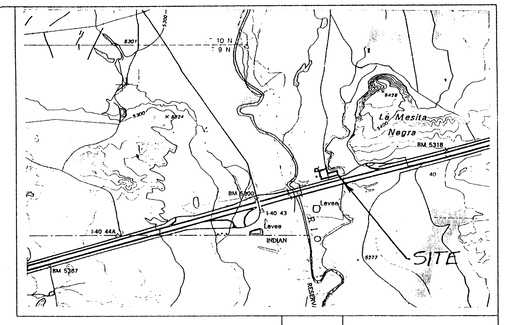
SHEET 1 OF 1

BOWLIN-2.DWG (FEB. 11, 1999)

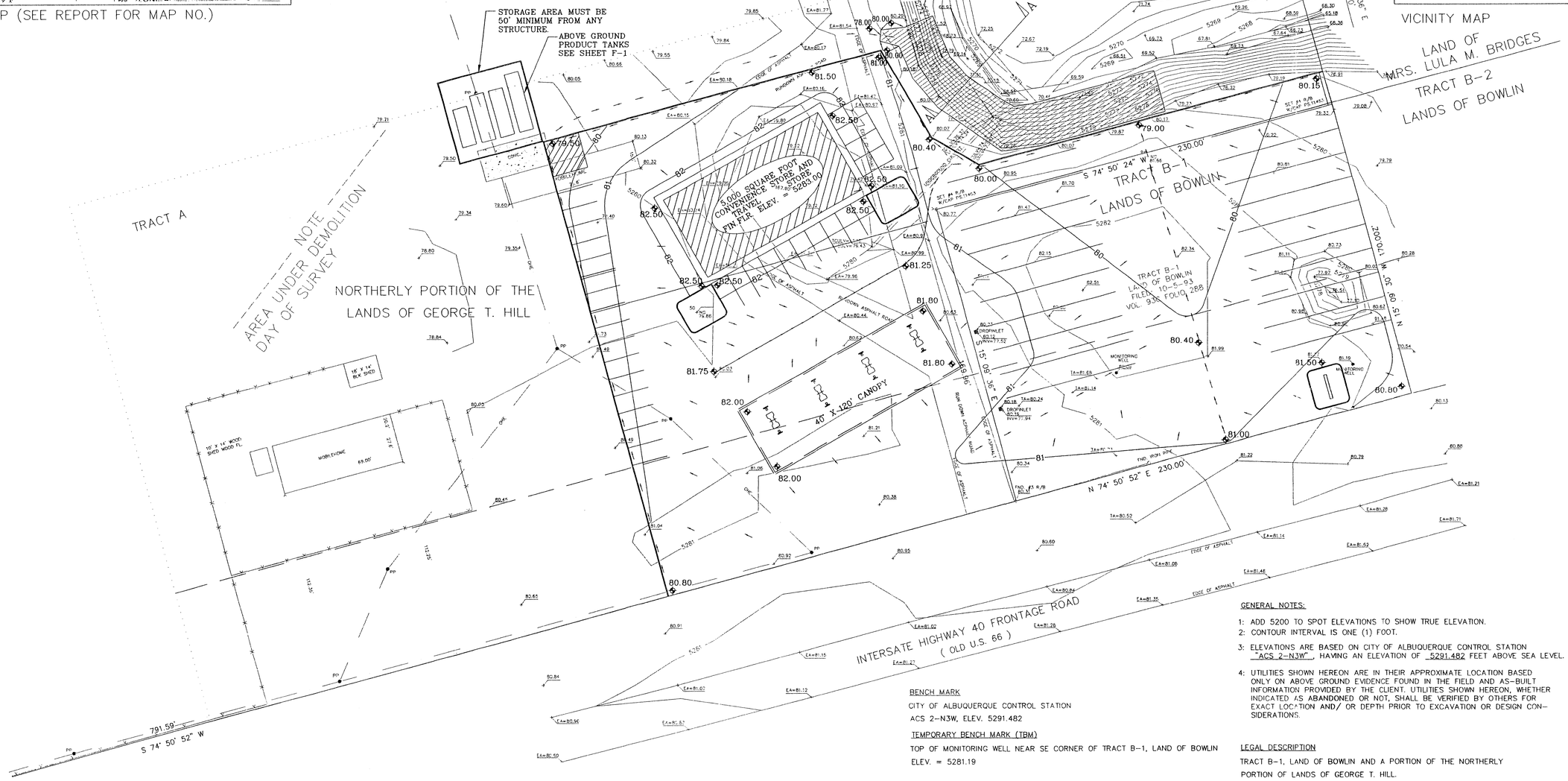
RECEIVED
FEB 1 - 1999
HYDROLOGY SECTION



FIRM MAP (SEE REPORT FOR MAP NO.)



VICINITY MAP



BENCH MARK

CITY OF ALBUQUERQUE CONTROL STATION

ACS 2-N3W, ELEV. 5291.482

TEMPORARY BENCH MARK (TBM)

TOP OF MONITORING WELL NEAR SE CORNER OF TRACT B-1, LAND OF BOWLIN

ELEV. = 5281.19

GENERAL NOTES:

1: ADD 5200 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2: CONTOUR INTERVAL IS ONE (1) FOOT.
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LEGAL DESCRIPTION

TRACT B-1, LAND OF BOWLIN AND A PORTION OF THE NORTHERLY PORTION OF LANDS OF GEORGE T. HILL.

ENGINEER'S STATEMENT:

I hereby state that I have personally inspected the land represented by this plan, most recently on November 5, 1996, and I certify that the contours shown on this plan substantially reflect the conditions of the site as of that date, and that no filling, grading or excavation had taken place on the site as of that date.

Frank D. Lovelady Feb 5, 1998

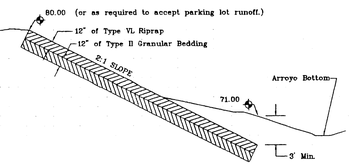
Frank D. Lovelady, N.M.P.E. 6512 (Date)

PLAT OF TOPOGRAPHY PERFORMED BY:

HARRIS SURVEYING, INC. 2412-D MONROE STREET N.E. ALBUQUERQUE, NEW MEXICO 87110 PHONE: (505) 889-8056 FAX: (505) 889-8645

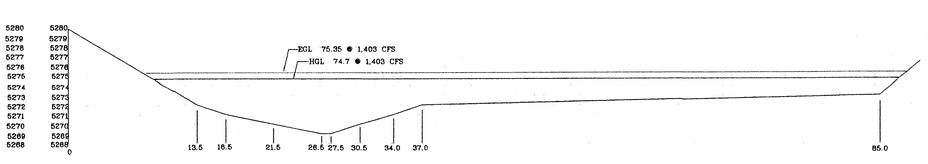
RIPRAP CLASSIFICATION & GRADATION				GRADATION FOR TYPE II GRANULAR BEDDING	
RIPRAP DESIGNATION	SIZE BY WT. (POUNDS)	NOM DIMENSIONS X-S GIVEN (INCHES)	X-sm (INCHES)	U.S. STANDARD SIEVE SIZE	SQUARE MESH SIEVES PERCENT PASSING BY WEIGHT
	100	X-sm		2"	90 - 100
TYPE VL (Very Light)	35 - 55	6	6	1-1/2"	-
	10	2		3/4"	20 - 90
				3/8"	-
				#4	0 - 20
				#16	-
				#50	-
				#100	-
				#200	0 - 3

X-sm = MEAN PARTICAL SIZE
** AT LEAST 30% OF ALL STONES BY WEIGHT SHALL BE THIS DIMENSION



SECTION A-A RIPRAP DETAIL

SCALE : 1/4" = 1' - 0"



SECTION A-A EXISTING NATURAL CHANNEL

SCALE : 1/4" = 1' - 0"

Bernalillo County Public Works No. PWD 97-207.

ENGINEER'S STAMP

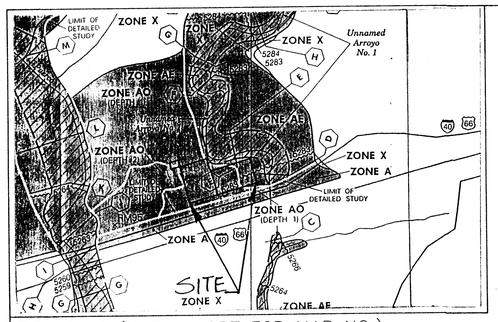
GRADING AND DRAINAGE PLAN
PROPOSED CONVENIENCE STORE AND CONOPY
FOR BOWLIN'S, INC.
INTERSTATE 40 NORTH FRONTAGE ROAD
RIO PUERCO, NEW MEXICO

FRANK D. LOVELADY, P.E.
300 ALAMOSA ROAD NW
ALBUQUERQUE, NEW MEXICO 87107
(505)345-2267

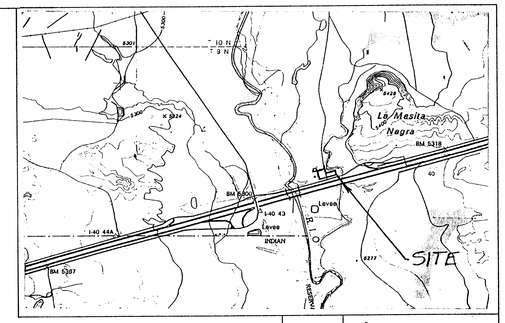
Designed:	Drawn:	Checked	Scale:	Date: FEB., 1998	Job No. 552
FDL	FDL	FDL	1" = 30'		

SHEET 1 OF 1

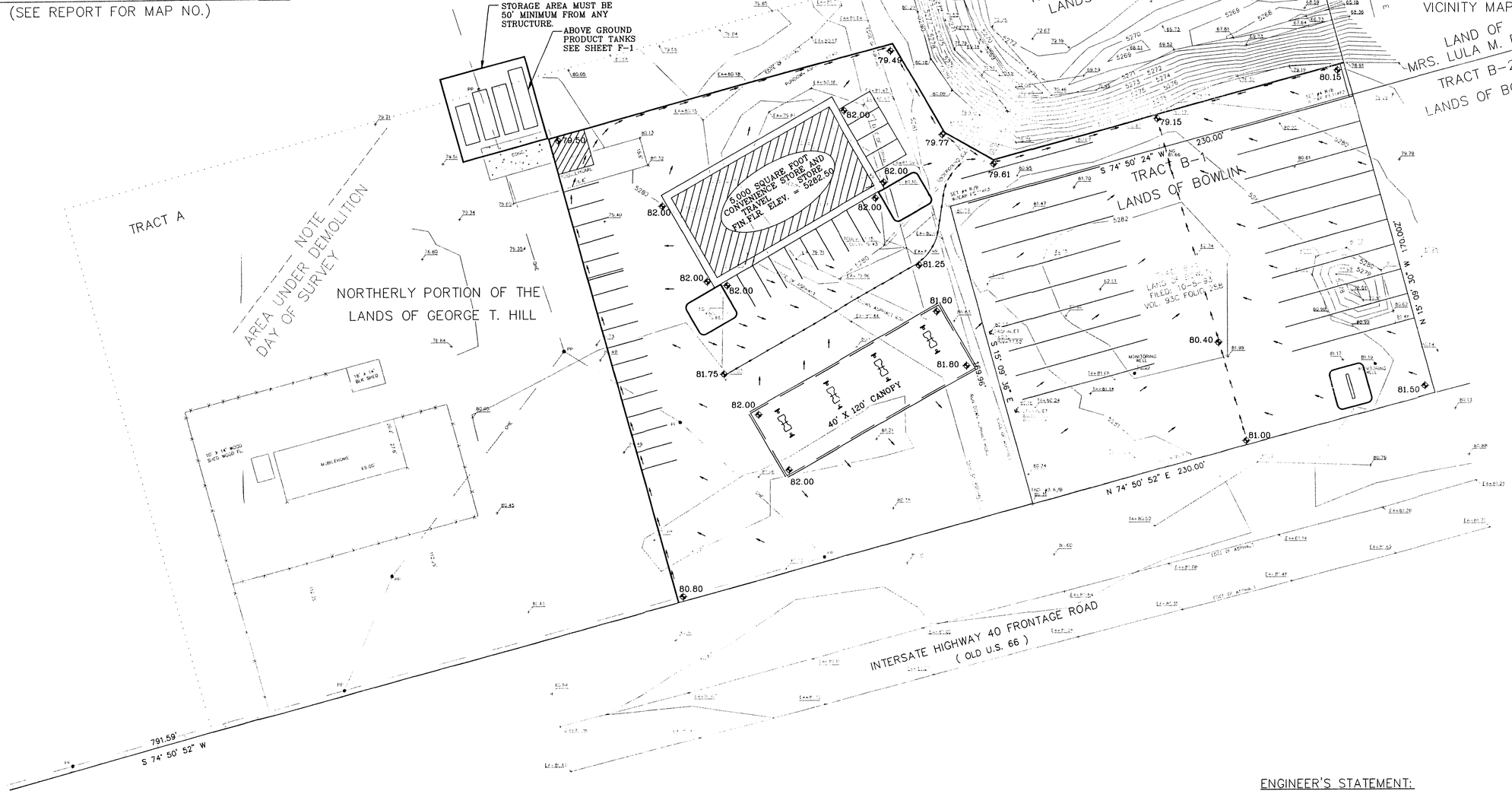
BOWLIN-1.DWG (FEB. 5, 1998)



FIRM MAP (SEE REPORT FOR MAP NO.)



VICINITY MAP



GENERAL NOTES:

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LEGAL DESCRIPTION

TRACT B-1, LAND OF BOWLIN AND A PORTION OF THE NORTHERLY PORTION OF LANDS OF GEORGE T. HILL.

BENCH MARK

CITY OF ALBUQUERQUE CONTROL STATION
ACS 2-N3W, ELEV. 5291.482

TEMPORARY BENCH MARK (TBM)

TOP OF MONITORING WELL NEAR SE CORNER OF TRACT B-1, LAND OF BOWLIN
ELEV. = 5281.19

ENGINEER'S STATEMENT:

I hereby state that I have personally inspected the land represented by this plan, most recently on November 5, 1996, and I certify that the contours shown on this plan substantially reflect the conditions of the site as of that date, and that no filling, grading or excavation had taken place on the site as of that date.

Frank D. Lovelady 12-2-97
Frank D. Lovelady, N.M.P.E. 6512 (Date)

RECEIVED DEC 05 1997 HYDROLOGY SECTION

PLAT OF TOPOGRAPHY PERFORMED BY:

HARRIS SURVEYING, INC. 5415-D MONROE STREET N.E. ALBUQUERQUE, NEW MEXICO 87110 PHONE: (505) 889-8056 FAX: (505) 889-8645

Bernalillo County Public Works No. PWD 97-_____

ENGINEER'S STAMP

GRADING AND DRAINAGE PLAN
PROPOSED CONVENIENCE STORE AND CANOPY
FOR BOWLINS, INC.
INTERSTATE 40 NORTH FRONTAGE ROAD
RIO PUERCO, NEW MEXICO

FRANK D. LOVELADY, P.E.
300 ALAMOSA ROAD NW
ALBUQUERQUE, NEW MEXICO 87107
(505)345-2267

Designed	Drawn	Checked	Scale	Date	Job No.
FDL	FDL	FDL	1" = 30'	DEC. 1997	552

SHEET 1 OF 1

BOWLIN-1.DWG (DEC. 2, 1997)