PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

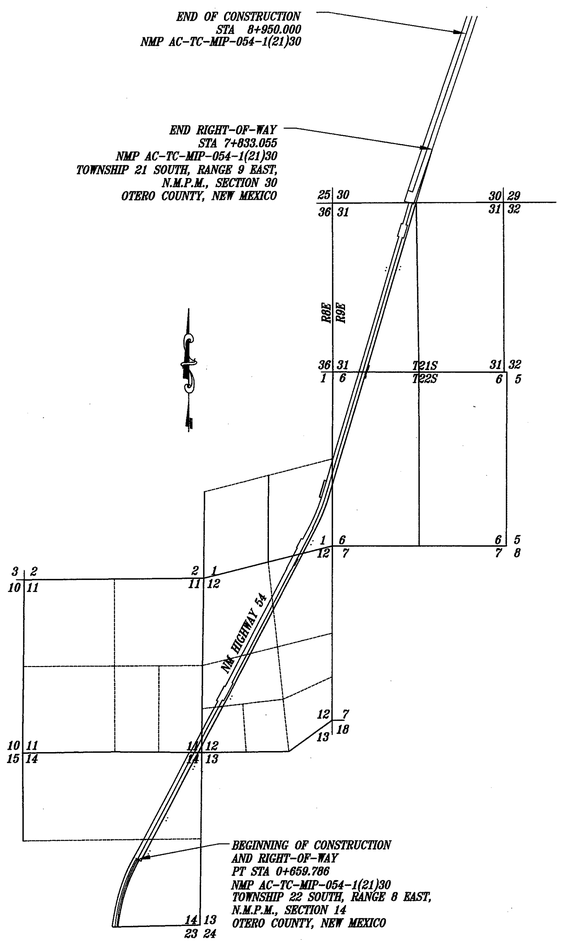
NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT

MONUMENTATION MAP

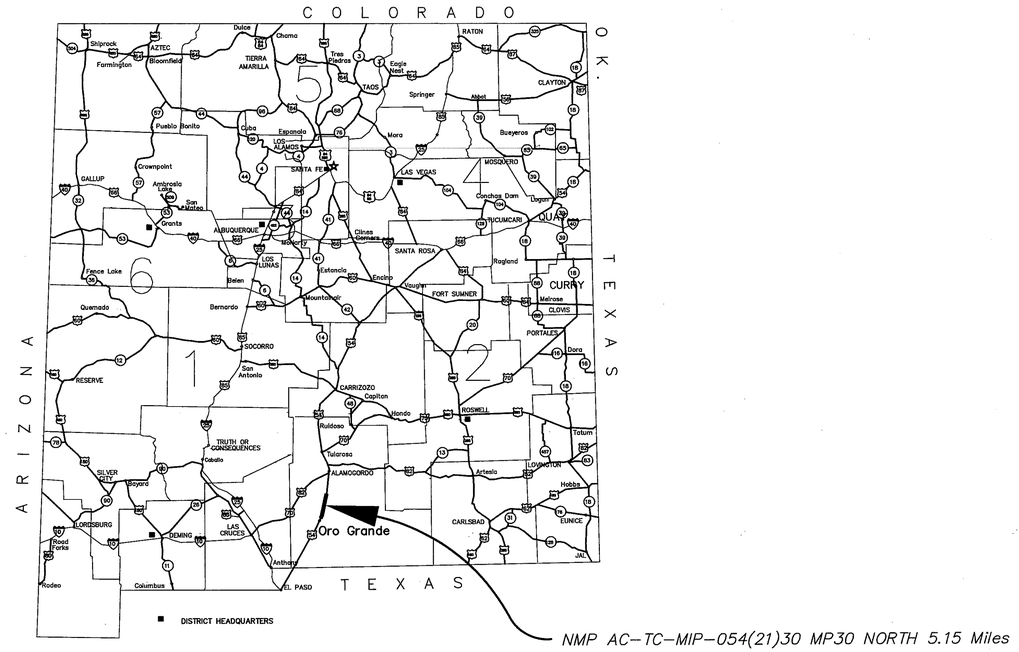
PROJECT LENGTH IS 8.290 km [5.15 miles]
RIGHT-OF-WAY LENGTH IS 7.173 km [4.46 miles]
NMP AC-TC-MIP-054-1(21)30
OTERO COUNTY
P.C.N. 2992

INDEX OF SHEETS

SHEET	DESCRIPTION
1	TITLE SHEET
1A	PROJECT LOCATION SHEET
2	STA 0+000 TO STA 0+300
3	STA 0+300 TO STA 1+000
4	STA 1+000 TO STA 1+700
5	STA 1+700 TO STA 2+400
6	STA 2+400 TO STA 3+100
7	STA 3+100 TO STA 3+800
8	STA 3+800 TO STA 4+500
9	STA 4+500 TO STA 5+200
10	STA 5+200 TO STA 5+900
11	STA 5+900 TO STA 6+600
12	STA 6+600 TO STA 7+300
13	STA 7+300 TO STA 8+000



LOCATION MAP
1 : 2500



VICINITY MAP
NTS

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

NMS4nom01.dwg 1-19-01 7:49:13 am EST

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the 21 day of Feb. A.D. 2001, at 2:15 o'clock P m., and was duly recorded in Book 56, Page 8-21 of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico
Lynn Estrada
Deputy
#01-1588

METRIC ADD

P.C.N. 2992

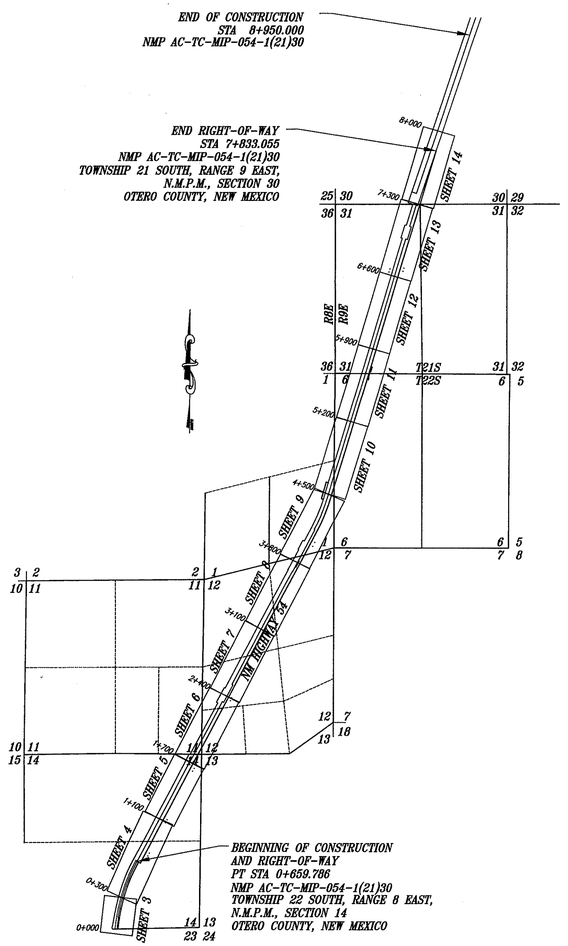
NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SHEET 1 OF 13

MONUMENTATION MAP
BK.56 PGS. 8-21

NOTES

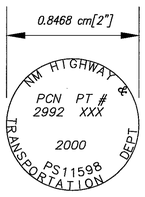
1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
3. COORDINATES ARE LOCAL UNLESS OTHERWISE SPECIFIED.
4. ADDITIONAL RIGHT-OF-WAY INFORMATION IS AVAILABLE IN THE LANDS ENGINEERING SECTION, SANTA FE, NEW MEXICO.
5. A $1000 COST PENALTY WILL BE ASSESSED THE CONTRACTOR DURING CONSTRUCTION FOR ANY MONUMENTS THAT ARE MOLESTED OR DESTROYED.
6. SURVEY CONTROL AND BEARINGS FOR THIS PROJECT ARE BASED ON A SERIES OF COORDINATES FOR CONTROL MONUMENTS AS SHOWN ON NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONTROL SURVEY MAP N.M.P MIP-054-1(21)28, P.C.N. 2992, PREPARED BY NMPS 10202 DATED 3/18/99:
   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
   b) BASIS STATE PLANE COORDINATES: DERIVED FROM GPS OBSERVATIONS AND CALCULATIONS BASED ON TIES TO HARN POINTS "CRUCESAIR" AND "ALAMOAIR" BOTH DATED 1987.
   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.99971309.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

PREPARED BY:
ME
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535



PROJECT LOCATION MAP
1 : 2500

DETAILS OF MONUMENTS SET ON THIS PROJECT
TYPICAL ALL PLACES



TYPICAL SET
R/W ALUMINUM CAP
ON 5/8" REBAR
NTS

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

NMS4nonfA.dwg 1-19-01 75849 sn EST

COUNTY OF OTERO)
STATE OF NEW MEXICO) S.S.

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

Robert B. Stannard 1/19/01

ROBERT B. STANNARD NEW MEXICO NO. 11598 DATE
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

ROBERT B. STANNARD JR. NEW MEXICO NO. 11598 REGISTERED PROFESSIONAL SURVEYOR

METRIC ADD

P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1 : 2500 SHEET 1A OF 13

EAST FILE COMP. IRVINE, CA EPH 24

BK 56 PG 8 – 21 1A OF 13

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
3. COORDINATES ARE LOCAL UNLESS OTHERWISE SPECIFIED.
4. ADDITIONAL RIGHT-OF-WAY INFORMATION IS AVAILABLE IN THE LANDS ENGINEERING SECTION, SANTA FE, NEW MEXICO.
5. A $1000 COST PENALTY WILL BE ASSESSED THE CONTRACTOR DURING CONSTRUCTION FOR ANY MONUMENTS THAT ARE MOLESTED OR DESTROYED.
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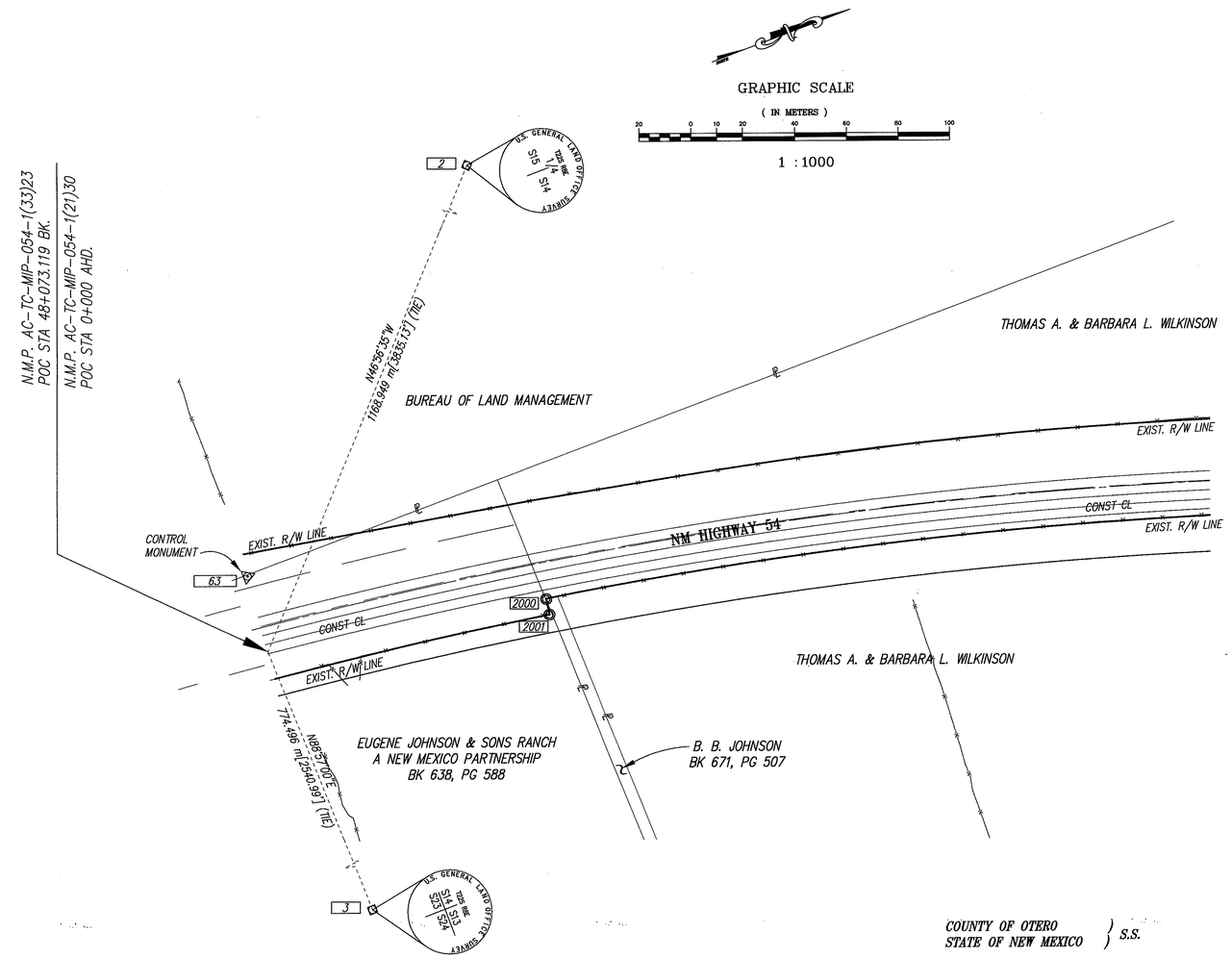
   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
   b) BASIS STATE PLANE COORDINATES: DERIVED FROM GPS OBSERVATIONS AND CALCULATIONS BASED ON TIES TO HARN POINTS "CRUCESAIR" AND "ALAMOAIR" BOTH DATED 1987.
   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.99971.3109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
20 0 10 20 40 60 80 100
1 : 1000



COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

LEGEND

- STANDARD BLM SECTION CORNER OR QUARTER CORNER MONUMENT
- FOUND NMSHTD CONTROL MONUMENT
- FOUND SURVEY MONUMENTS USED AS NOTED
- FOUND "T-RAIL" R/W STATION MONUMENT
- FOUND NGS 3D MONUMENT
- CONTROL MONUMENT
- TRIANGULATION STATION (USGS/NGS/DMA)
- —x— EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

SECTION 14
TOWNSHIP 22 SOUTH, RANGE 8 EAST

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
63	0+000.287	30.527 m [100.15'] LT	153388.561	515011.389	SHDCIP '3991-61'
2	0+445.837	1025.769 m [3365.38'] LT	154183.593	514187.308	FD BLM BRASS CAP
3	0+174.723	763.365 m [2504.47'] RT	153399.716	515815.798	FD BLM BRASS CAP
2000	0+109.300	4+291 m[14.08'] RT	153493.008	515060.890	FD NMSHTD R/W MON
2001	0+109.343	10.414 m[34.17'] RT	153492.007	515066.931	FD NMSHTD R/W MON

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO REG. NO. 11598 DATE 1/19/01
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

NEW MEXICO 11598 ROBERT B. STANNARD, JR. REGISTERED PROFESSIONAL SURVEYOR

METRIC

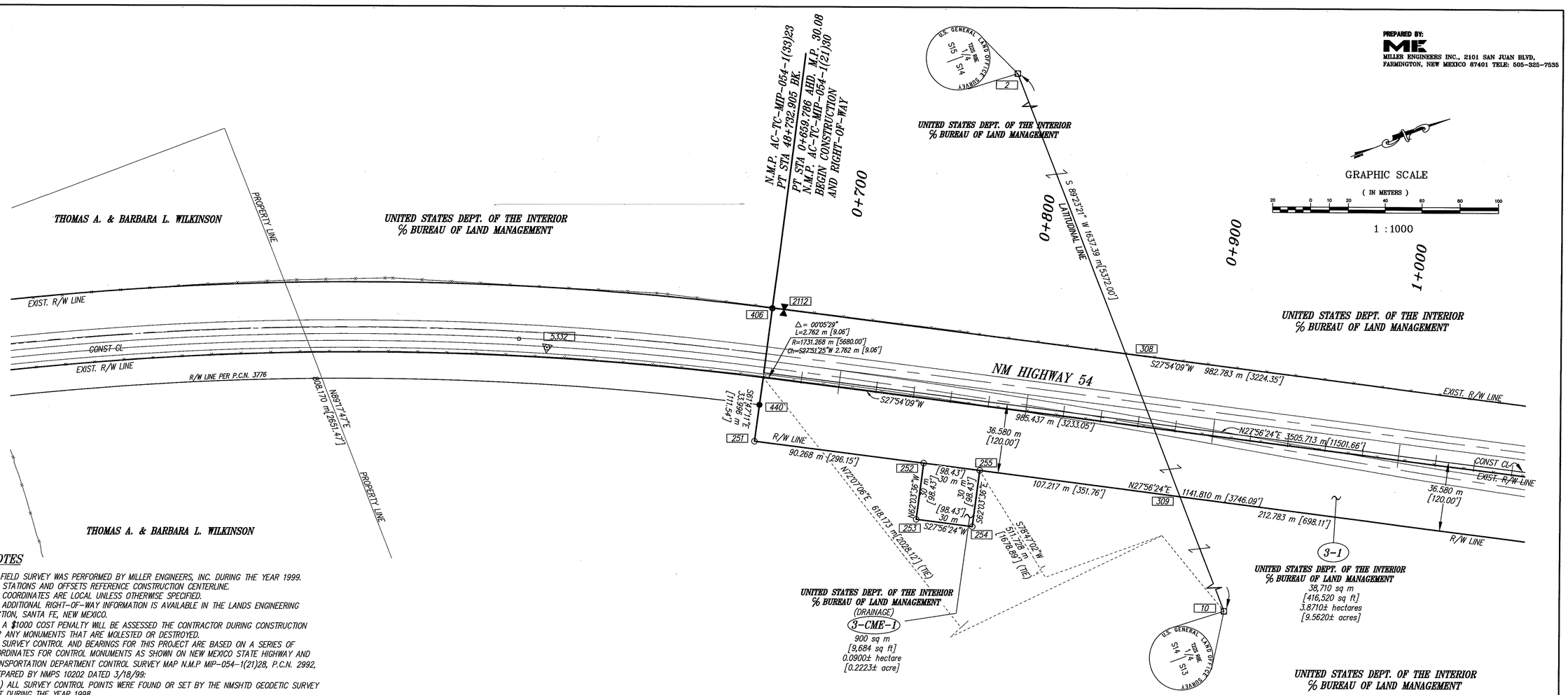
P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 2 OF 13

BK 56 PG 8 - 21 2 OF 13

EARTH FILL CORP. IRVINE, CA
EPH 24

NM54mon02.dwg 1-19-01 8:09:13 am EST



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8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
5332	0+544.241	2.517 m[8.26'] RT	153909.682	515181.003	SHDCIP '3991-62'
2112	0+665.976	34.362 m[112.74'] LT	154034.021	515206.554	FD NMSHTD 'T-RAIL'
406	0+659.813	34.487 m[113.15'] LT	154028.634	515203.556	FD R/W ALUMINUM CAP
440	0+659.826	17.091 m[56.07'] RT	154004.479	515249.127	FD R/W ALUMINUM CAP
251	0+659.786	36.580 m[120.00'] RT	153995.313	515266.326	SET R/W ALUMINUM CAP
252	0+750.000	36.580 m[120.00'] RT	154075.011	515308.596	SET R/W ALUMINUM CAP
253	0+750.000	66.580 m[218.44'] RT	154060.955	515335.099	SET R/W ALUMINUM CAP
254	0+780.000	66.580 m[218.44'] RT	154087.458	515349.155	SET R/W ALUMINUM CAP
255	0+780.000	36.580 m[120.00'] RT	154101.514	515322.652	SET R/W ALUMINUM CAP
2	0+445.837	1025.769 m[3365.38'] LT	154183.593	514187.308	FD BLM BRASS CAP
10	1+103.123	433.389 m[1421.88'] RT	154201.050	515824.606	FD BLM BRASS CAP
308	0+848.420	34.724 m[113.92'] LT	154195.369	515291.717	CALC PT RW @ ALIQUOT LINE
309	0+887.217	36.580 m[120.00'] RT	154196.234	515372.888	CALC PT RW @ ALIQUOT LINE

SECTION 14
TOWNSHIP 22 SOUTH, RANGE 8 EAST

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO P.S. NO. 11598 DATE 1/19/01
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

COUNTY OF OTERO)
STATE OF NEW MEXICO) S.S.

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

Deputy

METRIC

P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 3 OF 13

NM54mon03.dwg 1-19-01 8:10:54 am EST

BK 56 PG 8 - 21 3 OF 13

EAST FILE COPY, IRVINE, CA EPH 24

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
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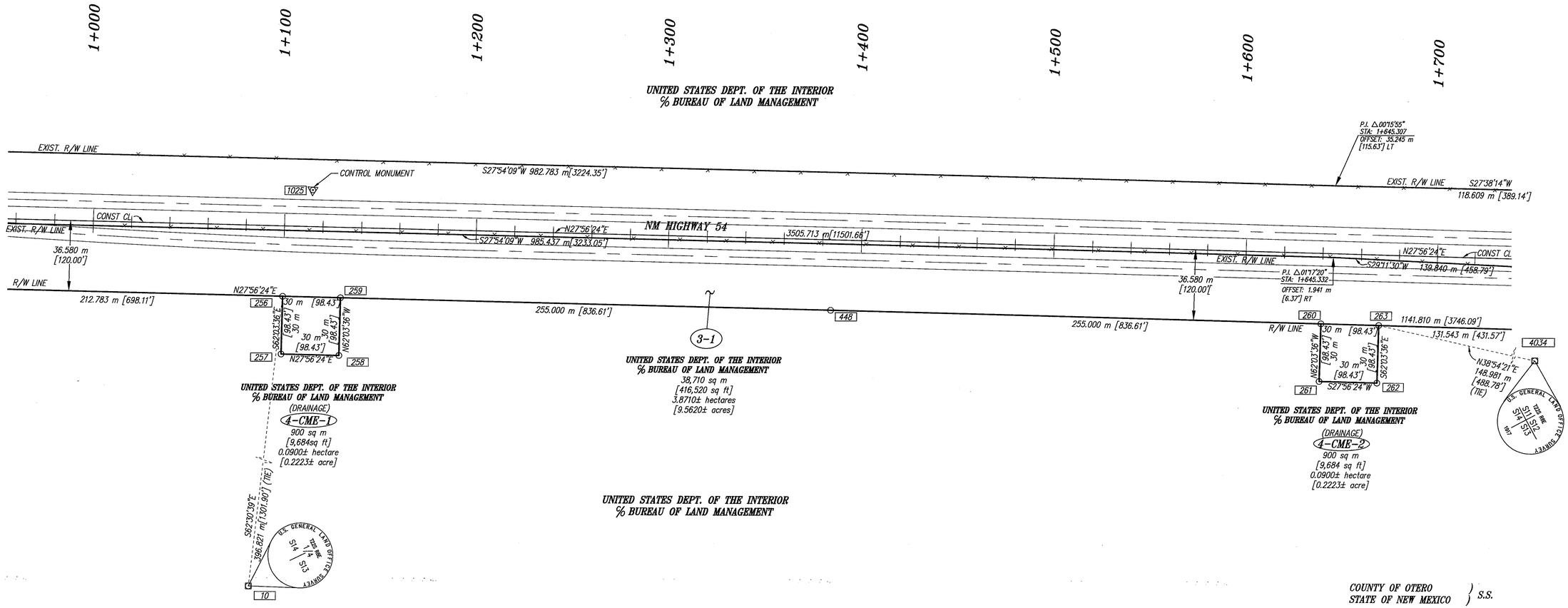
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

GRAPHIC SCALE
(IN METERS)
20 0 10 20 40 60 80 100
1 : 1000

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535



SECTION 14
TOWNSHIP 22 SOUTH, RANGE 8 EAST

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

NM54mon04.dwg 1-19-01 8:12:23 am EST

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1025	1+114.167	18.925 m[62.09'] LT	154422.737	515430.190	SHDCIP '3991-63'
256	1+100.000	36.580 m[120.00'] RT	154384.215	515472.587	SET R/W ALUMINUM CAP
257	1+100.000	66+580 m[218.44'] RT	154370.158	515499.090	SET R/W ALUMINUM CAP
258	1+130.000	66+580 m[218.44'] RT	154396.661	515513.147	SET R/W ALUMINUM CAP
259	1+130.000	36.580 m[120.00'] RT	154410.718	515486.643	SET R/W ALUMINUM CAP
260	1+640.000	36.580 m[120.00'] RT	154861.272	515725.602	SET R/W ALUMINUM CAP
261	1+640.000	66.580 m[218.44'] RT	154847.215	515752.105	SET R/W ALUMINUM CAP
262	1+670.000	66.580 m[218.44'] RT	154873.718	515766.162	SET R/W ALUMINUM CAP
263	1+670.000	36.580 m[120.00'] RT	154887.775	515739.659	SET R/W ALUMINUM CAP
448	1+385.000	36.580 m[120.00'] RT	154635.995	515606.123	SET R/W ALUMINUM CAP
10	1+103.123	433.389 m[1421.88'] RT	154201.050	515824.606	FD BLM BRASS CAP
4034	1+816.261	64.920 m[212.99'] RT	155003.709	515833.225	FD BLM BRASS CAP

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO REG. NO. 11598 DATE 1/19/01
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

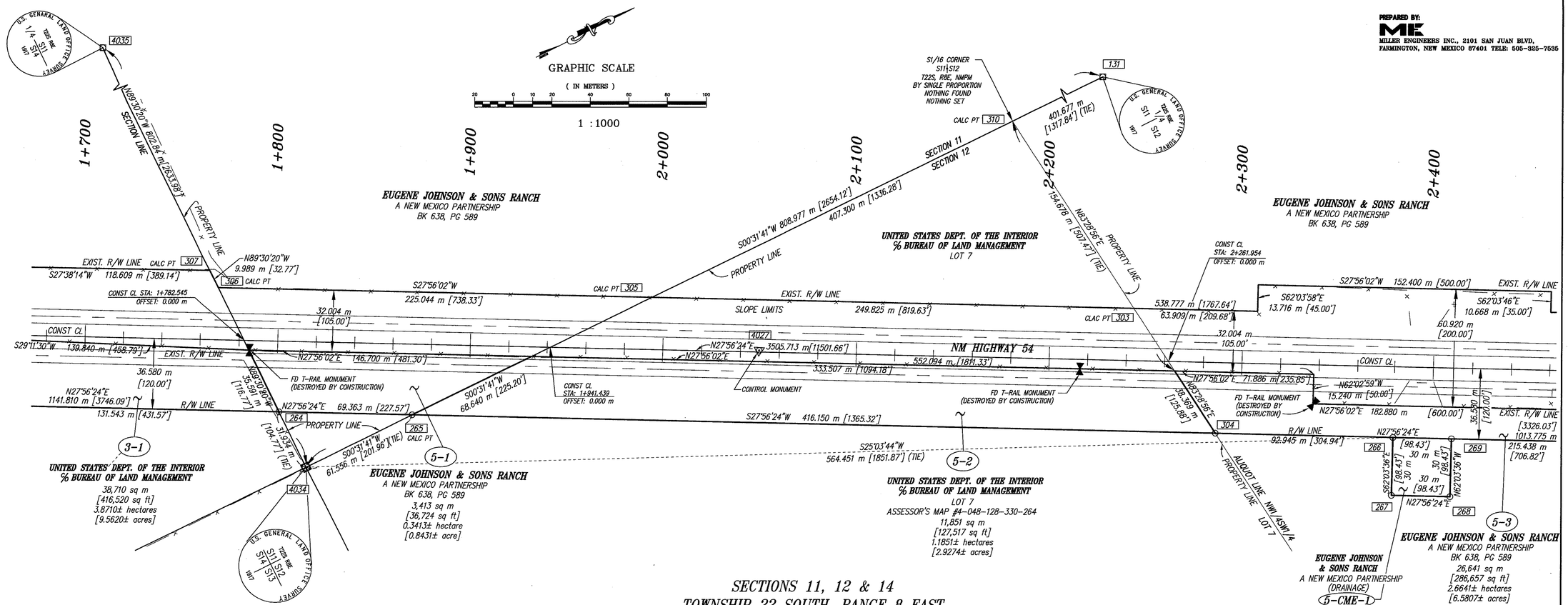
Deputy

METRIC

P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 4 OF 13

EARTH FILES COMP. IRVINE, CA
BK 56 PG 8 - 21, 4 OF 13
EPH 26



PREPARED BY:
ME
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

SECTIONS 11, 12 & 14
TOWNSHIP 22 SOUTH, RANGE 8 EAST

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
3. COORDINATES ARE LOCAL UNLESS OTHERWISE SPECIFIED.
4. ADDITIONAL RIGHT-OF-WAY INFORMATION IS AVAILABLE IN THE LANDS ENGINEERING SECTION, SANTA FE, NEW MEXICO.
5. A $1000 COST PENALTY WILL BE ASSESSED THE CONTRACTOR DURING CONSTRUCTION FOR ANY MONUMENTS THAT ARE MOLESTED OR DESTROYED.
6. SURVEY CONTROL AND BEARINGS FOR THIS PROJECT ARE BASED ON A SERIES OF COORDINATES FOR CONTROL MONUMENTS AS SHOWN ON NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONTROL SURVEY MAP N.M.P MIP-054-1(21)28, P.C.N. 2992, PREPARED BY NMPS 10202 DATED 3/18/99:
   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
   b) BASIS STATE PLANE COORDINATES: DERIVED FROM GPS OBSERVATIONS AND CALCULATIONS BASED ON TIES TO HARN POINTS "CRUCESAIR" AND "ALAMOAIR" BOTH DATED 1987.
   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.999713109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
264	1+801.543	36.580 m[120.00'] RT	155003.985	515801.293	SET R/W ALUMINUM CAP
265	1+870.905	36.580 m[120.00'] RT	155065.262	515833.792	SET R/W ALUMINUM CAP
266	2+380.000	36.580 m[120.00'] RT	155515.016	516072.327	SET R/W ALUMINUM CAP
267	2+380.000	66.580 m[218.44'] RT	155500.960	516098.830	SET R/W ALUMINUM CAP
268	2+410.000	66.580 m[218.44'] RT	155527.463	516112.886	SET R/W ALUMINUM CAP
269	2+410.000	36.580 m[120.00'] RT	155541.519	516086.383	SET R/W ALUMINUM CAP
303	2+243.386	27.059 m[88.78'] LT	155424.144	515952.096	CALC PT RW @ ALIQUOT LINE
304	2+287.055	36.580 m[120.00'] RT	155432.905	516028.778	SET R/W ALUMINUM CAP
305	1+993.464	26.981 m[88.52'] LT	155203.427	515835.065	CALC PT RW @ ALIQUOT LINE
307	1+763.914	35.872 m[117.69'] LT	155004.689	515719.655	CALC PT RW @ ALIQUOT LINE
310	2+177.829	122.596 m[402.22'] LT	155410.992	515836.978	CALC S1/16 COR SEC 11 & 12
131	2+534.405	307.523 m[1008.93'] LT	155812.652	515840.679	FD BLM BRASS CAP
4027	2+049.604	0.863 m[2.83'] LT	155240.675	515884.442	SHD BC '2992-1'
4034	1+816.261	64.920 m[212.99'] RT	155003.709	515833.225	FD BLM BRASS CAP
4035	1+446.229	647.559 m[2124.53'] LT	155010.638	515030.417	FD BLM BRASS CAP

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD, NEW MEXICO REG. NO. 11598
FARMINGTON, NEW MEXICO 87401
(505) 325-7535
1/19/01 DATE

ROBERT B. STANNARD NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

Deputy

METRIC

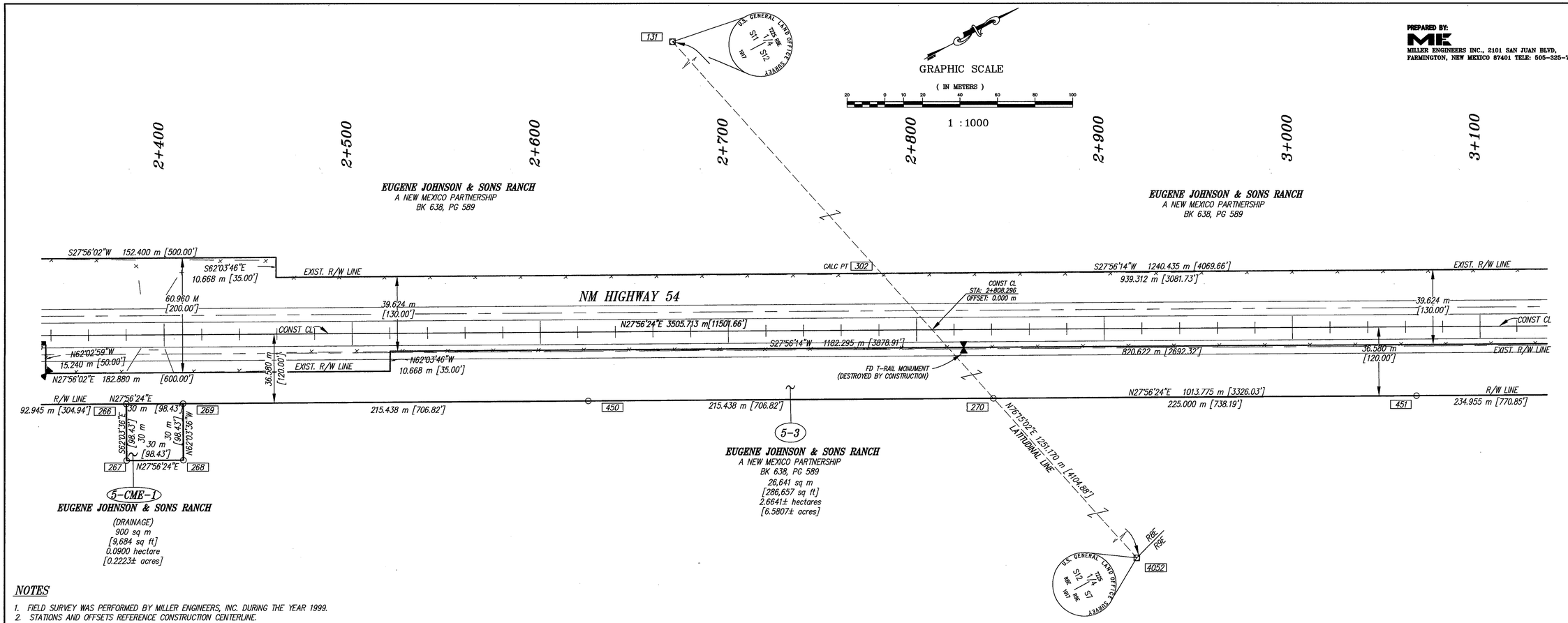
P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 5 OF 13

NM54mon05.dwg 1-19-01 8:13:28 am EST

BK 56 PG 8 - 21, 5 OF 13

EARL FILE CORP. IRVINE, CA
EFN 24



PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
3. COORDINATES ARE LOCAL UNLESS OTHERWISE SPECIFIED.
4. ADDITIONAL RIGHT-OF-WAY INFORMATION IS AVAILABLE IN THE LANDS ENGINEERING SECTION, SANTA FE, NEW MEXICO.
5. A $1000 COST PENALTY WILL BE ASSESSED THE CONTRACTOR DURING CONSTRUCTION FOR ANY MONUMENTS THAT ARE MOLESTED OR DESTROYED.
6. SURVEY CONTROL AND BEARINGS FOR THIS PROJECT ARE BASED ON A SERIES OF COORDINATES FOR CONTROL MONUMENTS AS SHOWN ON NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONTROL SURVEY MAP N.M.P MIP-054-1(21)2B, P.C.N. 2992, PREPARED BY NMPS 10202 DATED 3/18/99:
   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
   b) BASIS STATE PLANE COORDINATES: DERIVED FROM GPS OBSERVATIONS AND CALCULATIONS BASED ON TIES TO HARN POINTS "CRUCESAIR" AND "ALAMOAIR" BOTH DATED 1987.
   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.999713109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN
CHECKED
APPROVED

SECTION 12
TOWNSHIP 22 SOUTH, RANGE 8 EAST

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
450	2+625.438	36.580 m[120.00'] RT	155731.846	516187.326	SET R/W ALUMINUM CAP
451	3+065.876	36.580 m[120.00'] RT	156120.945	516393.692	SET R/W ALUMINUM CAP
266	2+380.000	36.580 m[120.00'] RT	155515.016	516072.327	SET R/W ALUMINUM CAP
267	2+380.000	66.580 m[218.44'] RT	155500.960	516098.830	SET R/W ALUMINUM CAP
268	2+410.000	66.580 m[218.44'] RT	155527.463	516112.886	SET R/W ALUMINUM CAP
269	2+410.000	36.580 m[120.00'] RT	155541.519	516086.383	SET R/W ALUMINUM CAP
270	2+840.876	36.580 m[120.00'] RT	155922.172	516288.269	SET R/W ALUMINUM CAP
302	2+781.444	30.150 m[98.92'] LT	155900.933	516201.471	CALC PT RW @ ALIQUOT LINE
131	2+534.405	307.523 m[1008.93'] LT	155812.652	515840.679	FD BLM BRASS CAP
4052	3+366.548	626.801 m[2056.43] RT	156110.025	517055.995	FD BLM BRASS CAP

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

Robert B. Stannard 1/19/01

ROBERT B. STANNARD NEW MEXICO REG. NO. 11598 DATE
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

ROBERT B. STANNARD, JR. NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR

COUNTY OF OTERO)
STATE OF NEW MEXICO) S.S.

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

METRIC

P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 6 OF 13

EARTH FILE CORP. IRVINE, CA. EFH 24

BK 56 PG 8 - 21, 6 OF 13

NM54mon06.dwg 1-18-01 3:14:43 pm EST

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
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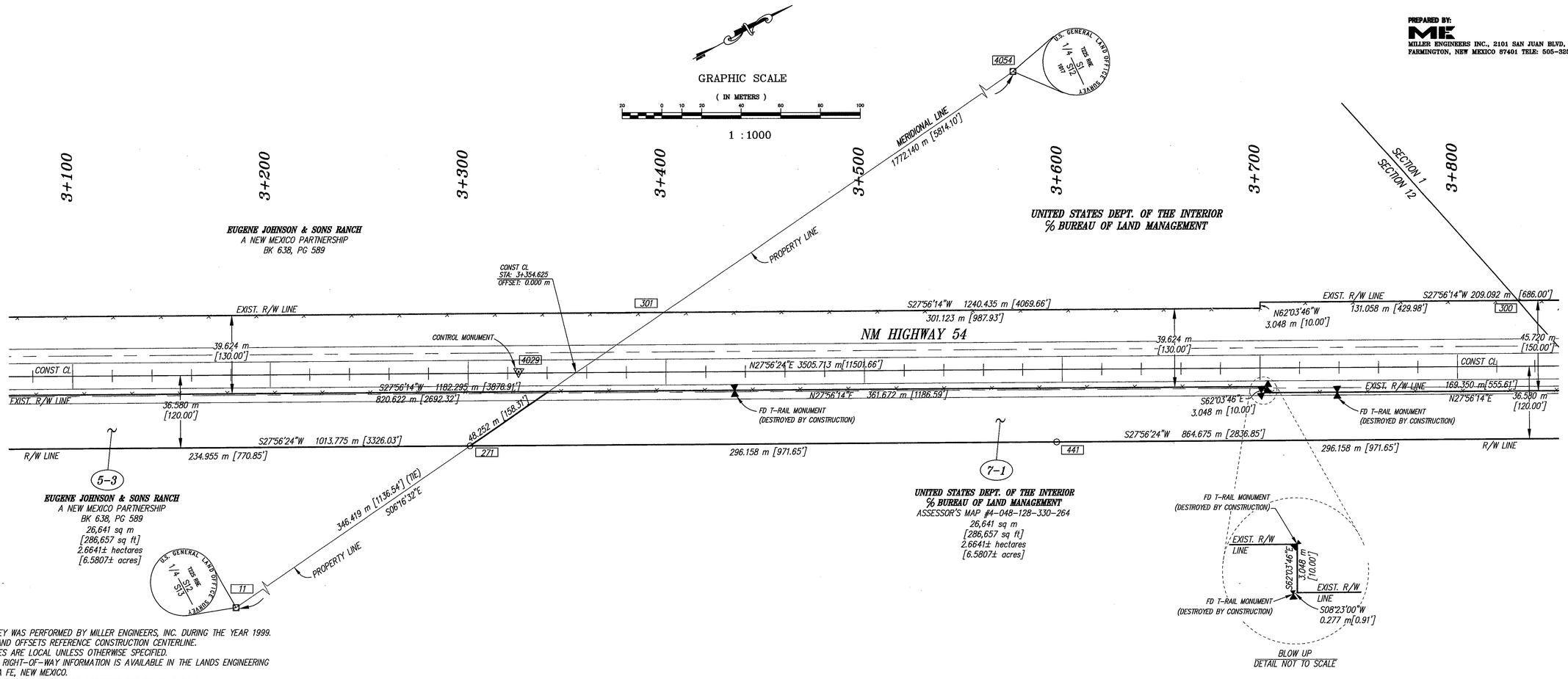
1 : 1000



NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
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   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
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   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
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   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
271	3+300.830	36.580 m[120.00'] RT	156328.513	516503.779	SET R/W ALUMINUM CAP
300	3+831.187	33.248 m[109.08'] LT	156829.769	516690.587	CALC PT RW # ALIQUOT LINE
301	3+399.006	30.179 m[99.01'] LT	156446.525	516490.801	CALC PT RW @ ALIQUOT LINE
11	2+204.821	781.863 m [2565.16'] RT	155011.056	516648.659	FD BLM BRASS CAP
4054	3+670.248	214.623 m [704.14'] LT	156772.572	516454.946	FD BLM BRASS CAP
4029	3+325.669	0.727 m[2.39'] LT	156367.937	516482.459	FD SHDCIP '2992.51'
441	3+596.989	36.580 m[120.00'] RT	156590.151	516642.543	SET R/W ALUMINUM CAP

SECTION 12
TOWNSHIP 22 SOUTH, RANGE 8 EAST

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO NO. 11598 DATE 1/19/01
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR ROBERT B. STANNARD JR.

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

METRIC

P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 7 OF 13

NM54mon07.dwg 1-17-01 3:45:14 pm EST

EAST FILE COPY, IRVINE, CA
BK 56 PG 8 – 21, 7 OF 13
EPM 28

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD, FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
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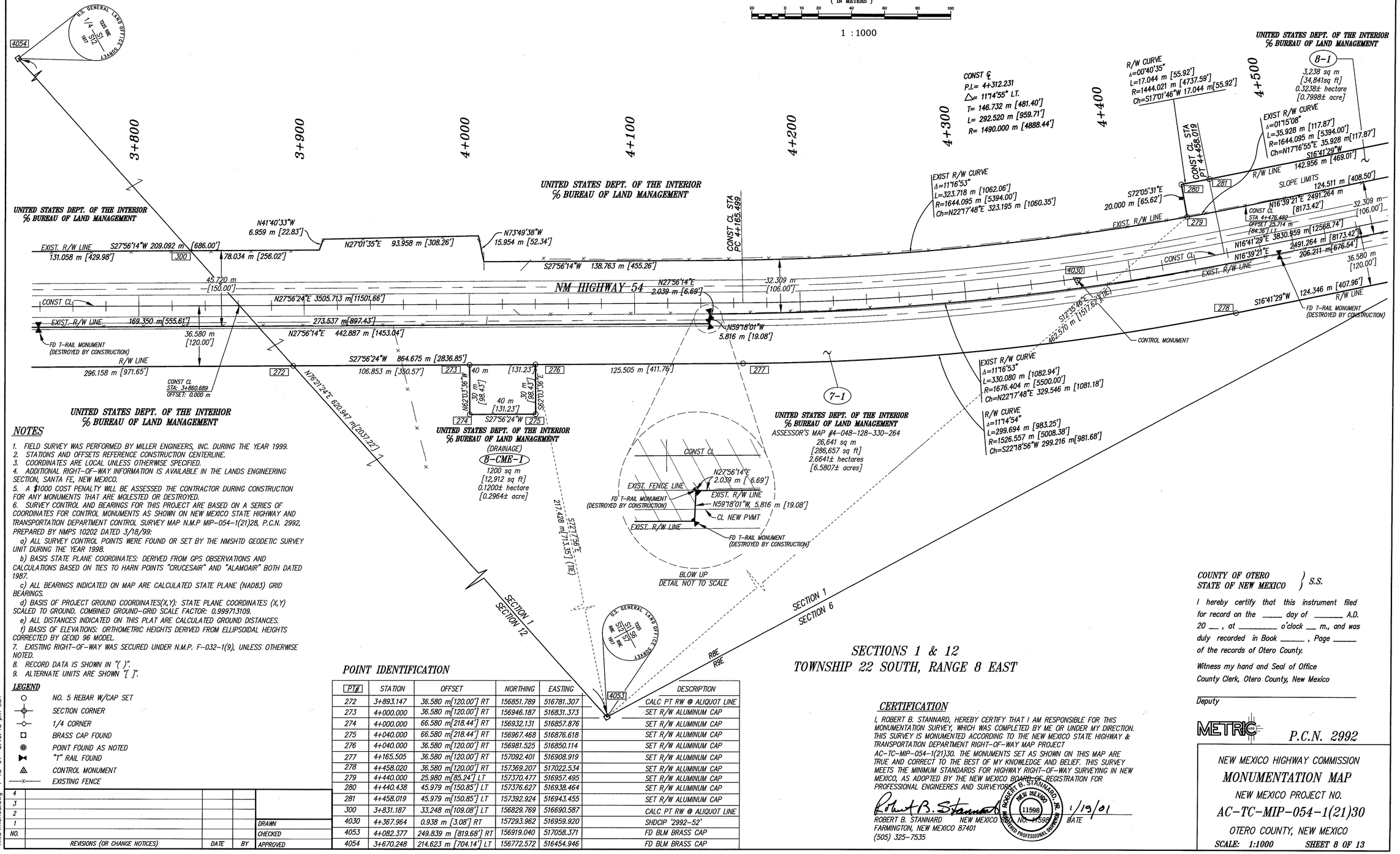
1 : 1000



NOTES

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   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.99971309.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
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8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- ○ NO. 5 REBAR W/CAP SET
- ⊕ SECTION CORNER
- ⊖ 1/4 CORNER
- □ BRASS CAP FOUND
- ◉ POINT FOUND AS NOTED
- ⋈ "T" RAIL FOUND
- ◬ CONTROL MONUMENT
- —x— EXISTING FENCE

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
272	3+893.147	36.580 m[120.00'] RT	156851.789	516781.307	CALC PT RW @ ALIQUOT LINE
273	4+000.000	36.580 m[120.00'] RT	156946.187	516831.373	SET R/W ALUMINUM CAP
274	4+000.000	66.580 m[218.44'] RT	156932.131	516857.876	SET R/W ALUMINUM CAP
275	4+040.000	66.580 m[218.44'] RT	156967.468	516876.618	SET R/W ALUMINUM CAP
276	4+040.000	36.580 m[120.00'] RT	156981.525	516850.114	SET R/W ALUMINUM CAP
277	4+165.505	36.580 m[120.00'] RT	157092.401	516908.919	SET R/W ALUMINUM CAP
278	4+458.020	36.580 m[120.00'] RT	157369.207	517022.534	SET R/W ALUMINUM CAP
279	4+440.000	25.980 m[85.24'] LT	157370.477	516957.495	SET R/W ALUMINUM CAP
280	4+440.438	45.979 m[150.85'] LT	157376.627	516938.464	SET R/W ALUMINUM CAP
281	4+458.019	45.979 m[150.85'] LT	157392.924	516943.455	SET R/W ALUMINUM CAP
300	3+831.187	33.248 m[109.08'] LT	156829.769	516690.587	CALC PT RW @ ALIQUOT LINE
4030	4+367.964	0.938 m [3.08'] RT	157293.962	516959.920	SHDCIP '2992-52'
4053	4+082.377	249.839 m [819.68'] RT	156919.040	517058.371	FD BLM BRASS CAP
4054	3+670.248	214.623 m [704.14'] LT	156772.572	516454.946	FD BLM BRASS CAP

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN
CHECKED
APPROVED

NM54mon08.dwg 1-18-01 3:18:48 pm EST

SECTIONS 1 & 12
TOWNSHIP 22 SOUTH, RANGE 8 EAST

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

Robert B. Stannard 1/19/01

ROBERT B. STANNARD NEW MEXICO NO. 11598 DATE
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

ROBERT B. STANNARD JR. NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR

COUNTY OF OTERO } S.S.
STATE OF NEW MEXICO }

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

Deputy

METRIC P.C.N. 2992

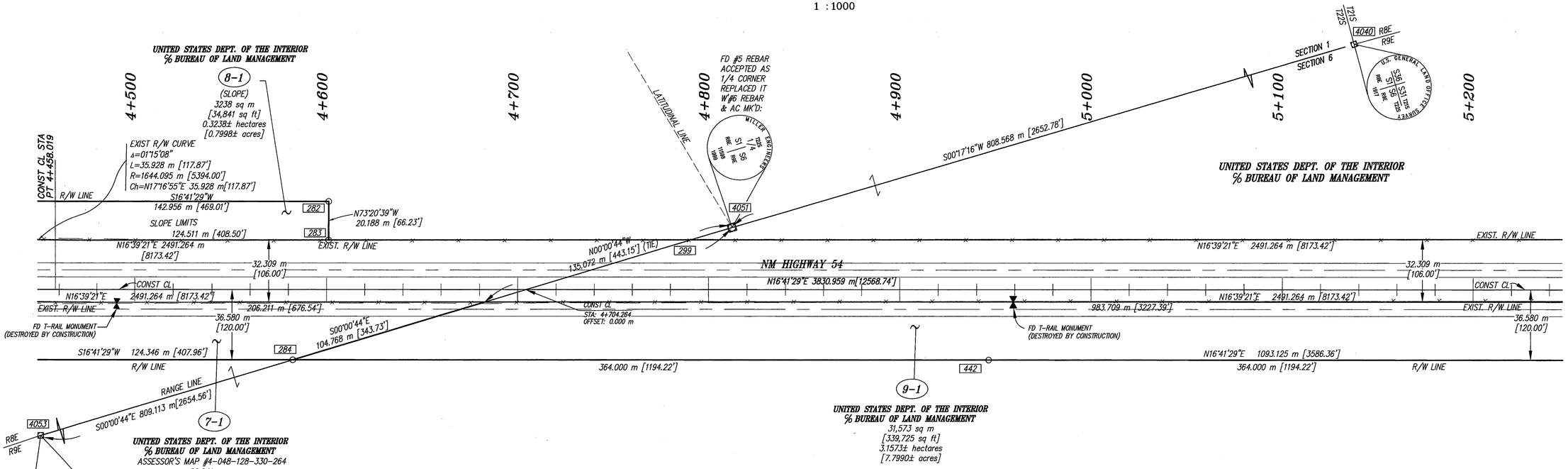
NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 8 OF 13

EARTH FILE CORP. IRVINE, CA EFN 24

BK 56 PG 8 - 21, 8 OF 13

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
20 0 10 20 40 60 80 100
1 : 1000



NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
3. COORDINATES ARE LOCAL UNLESS OTHERWISE SPECIFIED.
4. ADDITIONAL RIGHT-OF-WAY INFORMATION IS AVAILABLE IN THE LANDS ENGINEERING SECTION, SANTA FE, NEW MEXICO.
5. A $1000 COST PENALTY WILL BE ASSESSED THE CONTRACTOR DURING CONSTRUCTION FOR ANY MONUMENTS THAT ARE MOLESTED OR DESTROYED.
6. SURVEY CONTROL AND BEARINGS FOR THIS PROJECT ARE BASED ON A SERIES OF COORDINATES FOR CONTROL MONUMENTS AS SHOWN ON NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONTROL SURVEY MAP N.M.P MIP-054-1(21)28, P.C.N. 2992, PREPARED BY NMPS 10202 DATED 3/18/99:
   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
   b) BASIS STATE PLANE COORDINATES: DERIVED FROM GPS OBSERVATIONS AND CALCULATIONS BASED ON TIES TO HARN POINTS "CRUCESAIR" AND "ALAMOAIR" BOTH DATED 1987.
   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.999713109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

SECTION 1, TOWNSHIP 22 SOUTH, RANGE 8 EAST
SECTION 6, TOWNSHIP 22 SOUTH, RANGE 9 EAST

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
282	4+600.981	45.979 m[150.85'] LT	157529.856	516984.515	SET R/W ALUMINUM CAP
283	4+600.000	25.791 m[84.62'] LT	157524.070	517003.856	SET R/W ALUMINUM CAP
284	4+582.366	36.580 m[120.00'] RT	157488.313	517058.249	SET R/W ALUMINUM CAP
299	4+790.602	25.909 m[85.00'] LT	157705.723	517058.202	CALC PT RW @ ALIQUOT LINE
4040	5+587.742	260.698 m [855.31'] LT	158536.711	517062.259	FD BLM BRASS CAP
4051	4+812.085	32.356 m [106.16'] LT	157728.153	517058.197	SET ALUMINUM CAP SEC COR
4053	4+082.377	249.839 m [819.68'] RT	156919.040	517058.371	FD BLM BRASS CAP
442	4+946.366	36.580 m[120.00'] RT	157836.976	517162.796	SET R/W ALUMINUM CAP

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

NM54mon09.dwg 1-19-01 9:46:30 am EST

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO REG. NO. 11598 DATE
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

ROBERT B. STANNARD NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR
1/19/01

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

METRIC

P.C.N. 2992

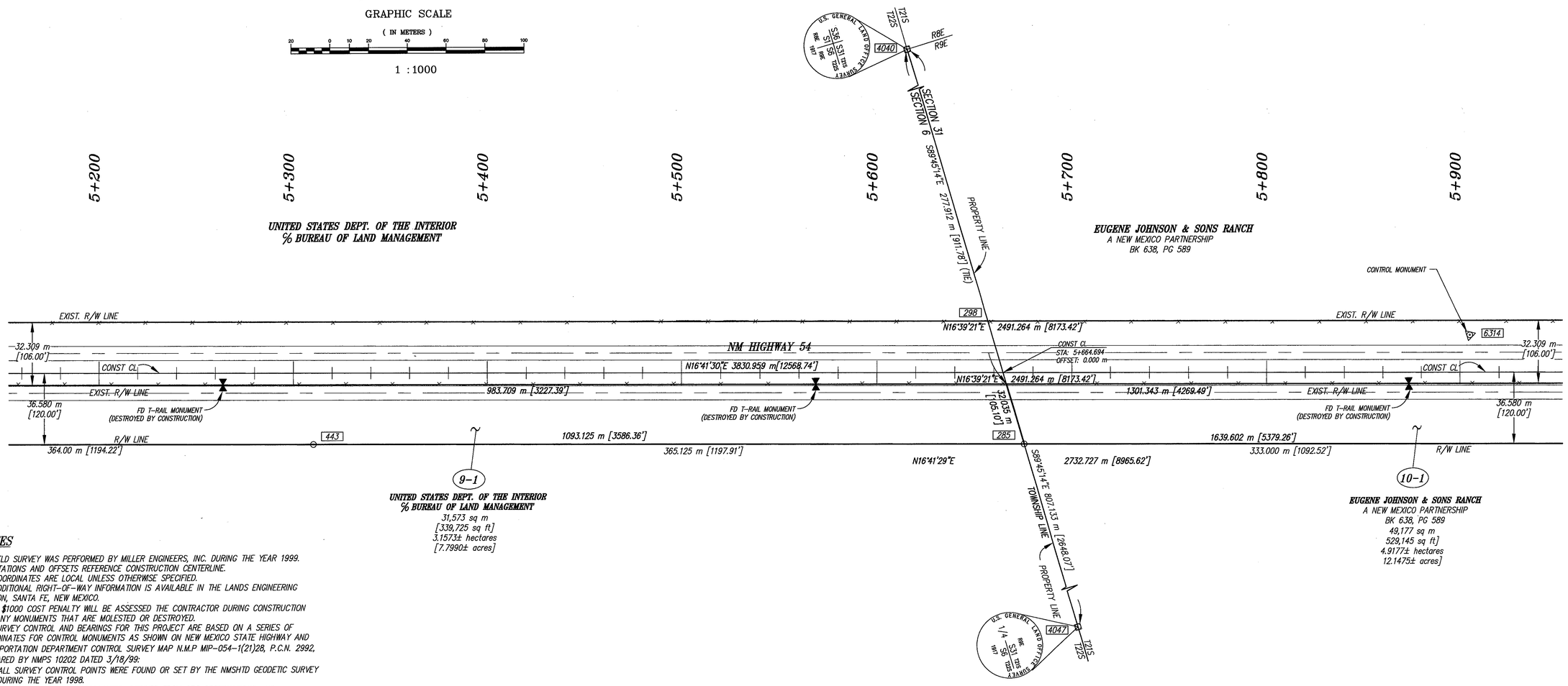
NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 9 OF 13

EARTH FILL CORP. IRVINE, CA EFM 24

BK 56 PG 8 - 21, 9 OF 13

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
20 0 10 20 40 60 80 100
1 : 1000



UNITED STATES DEPT. OF THE INTERIOR
% BUREAU OF LAND MANAGEMENT
31,573 sq m
[339,725 sq ft]
3.1573± hectares
[7.7990± acres]

EUGENE JOHNSON & SONS RANCH
A NEW MEXICO PARTNERSHIP
BK 638, PG 589
49,177 sq m
529,145 sq ft]
4.9177± hectares
12.1475± acres]

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
3. COORDINATES ARE LOCAL UNLESS OTHERWISE SPECIFIED.
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   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.999713109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
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8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN
CHECKED
APPROVED

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
6314	5+904.898	19.160 m[62.86'] LT	158771.130	517384.713	SHDCIP '2992-53'
4040	5+587.742	260.698 m [855.31'] LT	158536.711	517062.259	FD BLM BRASS CAP
4047	5+816.243	513.416 m [1684.43'] RT	158533.245	517869.385	FD BLM BRASS CAP
285	5+675.492	36.580 m[120.00'] RT	158535.380	517372.214	SET R/W ALUMINUM CAP
298	5+656.887	26.488 m[86.77'] LT	158535.662	517306.499	CALC PT RW @ ALIQUOT LINE
443	5+310.366	36.580 m[120.00'] RT	158185.639	517267.344	SET R/W ALUMINUM CAP

SECTION 31, TOWNSHIP 21 S, RANGE 9 EAST
SECTION 6, TOWNSHIP 22 SOUTH, RANGE 9 EAST

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

Robert B. Stannard 1/19/01

ROBERT B. STANNARD NEW MEXICO REG. NO. 11598 DATE
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

ROBERT B. STANNARD, JR. NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the _____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

METRIC

P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 10 OF 13

NM54mon10.dwg 1-19-01 9:48:21 am EST

BK 56 PG 8 - 21, 10 OF 13

EASI FILE CORP. IRVINE, CA EPH-24

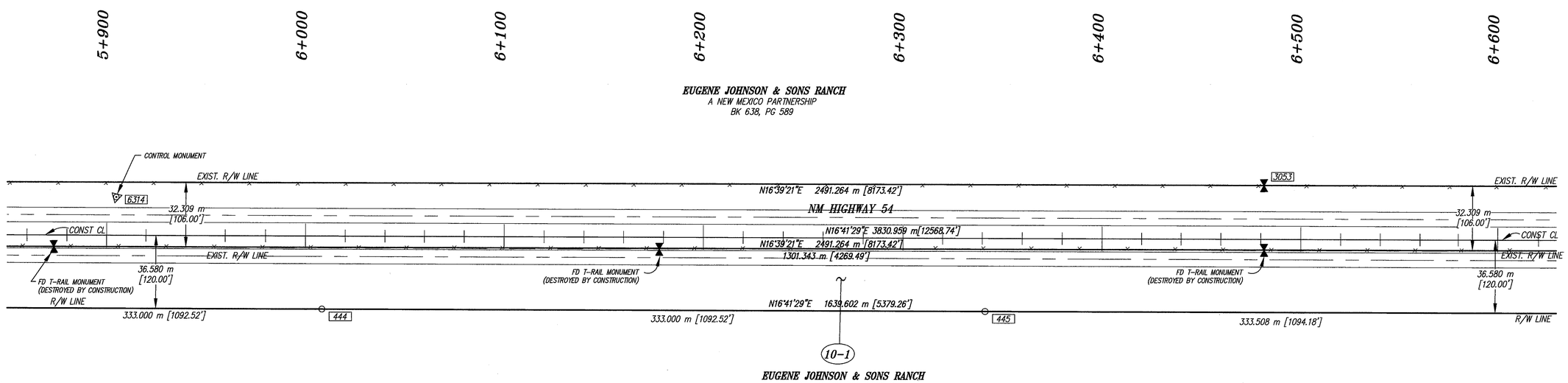
PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE

(IN METERS)

20 0 10 20 40 60 80 100

1 : 1000



NOTES

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   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
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8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- ○ NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- □ BRASS CAP FOUND
- ◉ POINT FOUND AS NOTED
- ⋈ "T" RAIL FOUND
- ⚠ CONTROL MONUMENT
- ——x—— EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN
CHECKED
APPROVED

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
6314	5+904.898	19.160 m[62.86'] LT	158771.130	517384.713	SHDCIP '2992-53'
444	6+008.492	36.580 m[120.00'] RT	158854.349	517467.858	SET R/W ALUMINUM CAP
445	6+341.492	36.580 m[120.00'] RT	159173.318	517563.502	SET R/W ALUMINUM CAP
3053	6+481.522	26.882 m [88.19'] LT	159325.676	517542.933	FD "T" RAIL R/W MONUMENT

SECTION 31
TOWNSHIP 21 SOUTH, RANGE 9 EAST

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the _____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

_____
Deputy

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO REG. NO. 11593 DATE 1/19/01
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

METRIC P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 11 OF 13

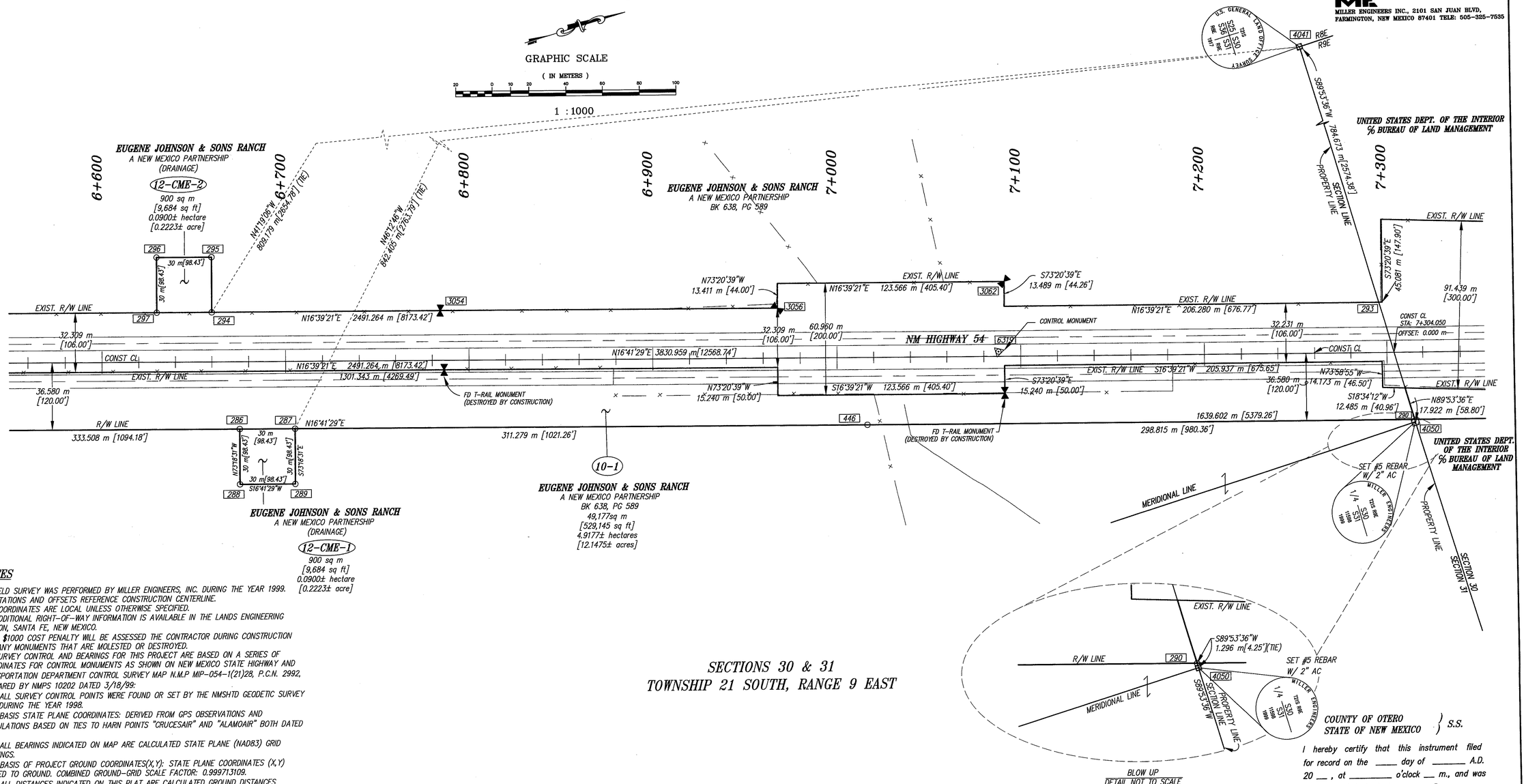
BK 56 PG 8 - 21, 11 OF 13

EARTH FILE COMP. IRVINE, CA

NM54mon11.dwg 1-18-01 10:48:01 am EST

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
20 0 10 20 40 60 80 100
1 : 1000



BLOW UP
DETAIL NOT TO SCALE

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
2. STATIONS AND OFFSETS REFERENCE CONSTRUCTION CENTERLINE.
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   a) ALL SURVEY CONTROL POINTS WERE FOUND OR SET BY THE NMSHTD GEODETIC SURVEY UNIT DURING THE YEAR 1998.
   b) BASIS STATE PLANE COORDINATES: DERIVED FROM GPS OBSERVATIONS AND CALCULATIONS BASED ON TIES TO HARN POINTS "CRUCESAIR" AND "ALAMOAIR" BOTH DATED 1987.
   c) ALL BEARINGS INDICATED ON MAP ARE CALCULATED STATE PLANE (NAD83) GRID BEARINGS.
   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.999713109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

NM54mon12.dwg 1-18-01 8:14:31 am EST

SECTIONS 30 & 31
TOWNSHIP 21 SOUTH, RANGE 9 EAST

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
286	6+675.000	36.580 m[120.00'] RT	159492.774	517659.292	SET R/W ALUMINUM CAP
287	6+705.000	36.580 m[120.00'] RT	159521.510	517667.908	SET R/W ALUMINUM CAP
288	6+675.000	66.580 m[218.44'] RT	159484.158	517688.028	SET R/W ALUMINUM CAP
289	6+705.000	66.580 m[218.44'] RT	159512.894	517696.644	SET R/W ALUMINUM CAP
290	7+315.093	36.580 m[120.00'] RT	160105.897	517843.138	SET R/W ALUMINUM CAP
293	7+295.782	27.389 m[89.86'] LT	160105.773	517776.318	CALC PT RW @ ALIQUOT LINE
294	6+660.000	27.072 m[88.82'] LT	159496.703	517594.018	SET R/W ALUMINUM CAP
295	6+660.000	57.072 m[187.24'] LT	159505.300	517565.276	SET R/W ALUMINUM CAP
296	6+630.000	57.053 m[187.18'] LT	159476.559	517556.678	SET R/W ALUMINUM CAP
297	6+630.000	27.053 m[88.76'] LT	159467.962	517585.420	SET R/W ALUMINUM CAP
4041	7+088.697	713.369 m [2340.45'] LT	160104.439	517059.763	FD BLM BRASS CAP
4050	7+315.468	37.821 m [124.08'] RT	160105.900	517844.434	SET ALUM CAP MILLER ENG.
6319	7+088.096	2.556 m[8.39'] LT	159899.677	517740.428	SHDCIP '2992-54'
446	7+016.279	36.580 m[120.00'] RT	159819.673	517757.313	SET R/W ALUMINUM CAP
3054	6+784.486	27.149 m [89.07'] LT	159615.954	517629.709	FD "T" RAIL R/W MONUMENT
3056	6+967.745	27.263 m [89.45'] LT	159791.497	517682.295	FD "T" RAIL R/W MONUMENT
3062	7+091.289	40.790 m [133.83'] LT	159913.768	517704.720	FD "T" RAIL R/W MONUMENT

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD JR. NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR

Robert B. Stannard 1/19/01
ROBERT B. STANNARD NEW MEXICO R.P.S. NO. 11598 DATE
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

COUNTY OF OTERO) S.S.
STATE OF NEW MEXICO)

I hereby certify that this instrument filed for record on the ____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

Deputy

METRIC P.C.N. 2992

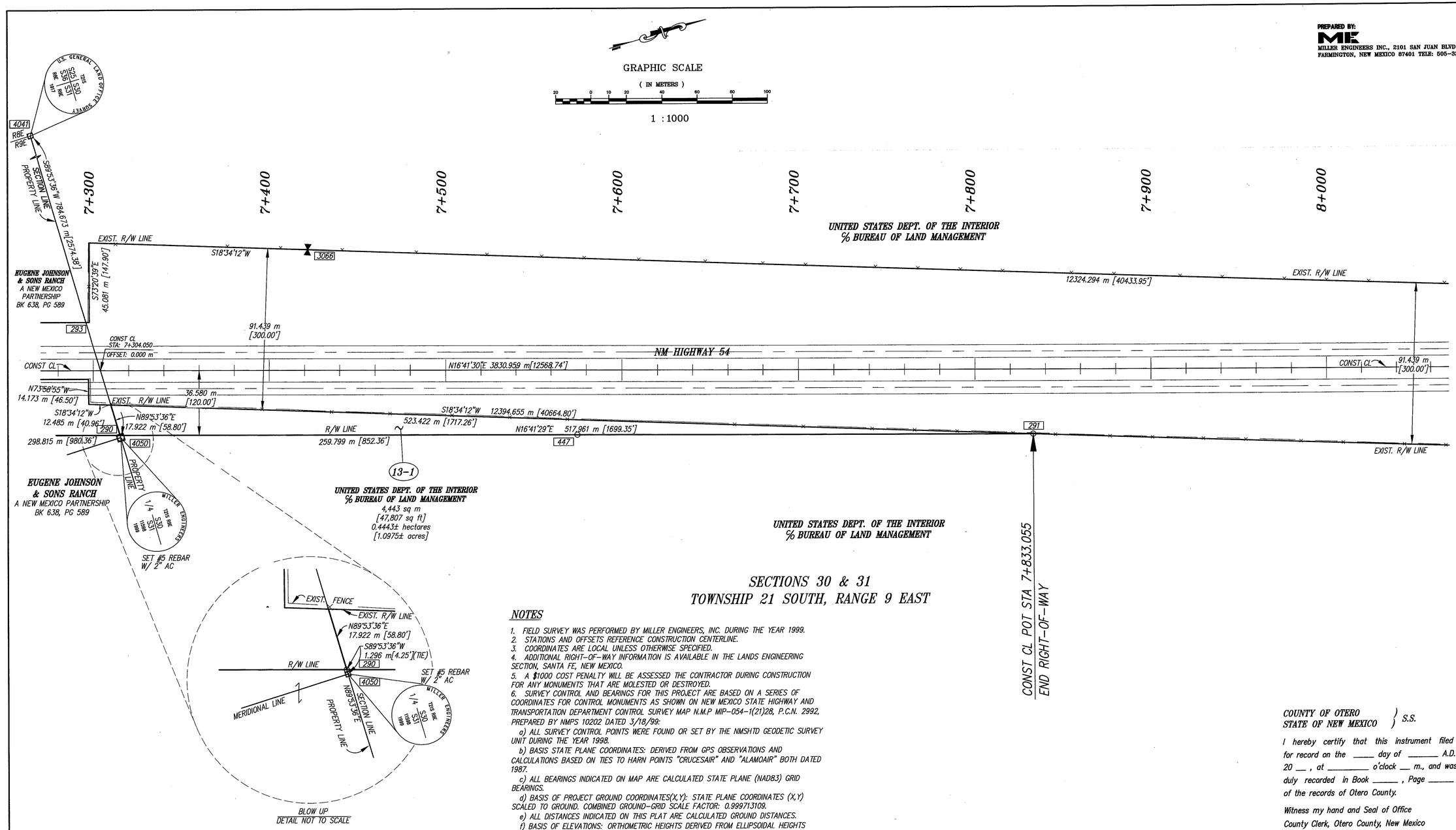
NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 12 OF 13

CARL FILE COMP. IRVINE, CA CPH 24

BK 56 PG 8 - 21, 12 OF 13

PREPARED BY:
MILLER ENGINEERS INC., 2101 SAN JUAN BLVD,
FARMINGTON, NEW MEXICO 87401 TELE: 505-325-7535

GRAPHIC SCALE
(IN METERS)
20 0 10 20 40 60 80 100
1 : 1000



SECTIONS 30 & 31
TOWNSHIP 21 SOUTH, RANGE 9 EAST

NOTES

1. FIELD SURVEY WAS PERFORMED BY MILLER ENGINEERS, INC. DURING THE YEAR 1999.
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   d) BASIS OF PROJECT GROUND COORDINATES(X,Y): STATE PLANE COORDINATES (X,Y) SCALED TO GROUND. COMBINED GROUND-GRID SCALE FACTOR: 0.999713109.
   e) ALL DISTANCES INDICATED ON THIS PLAT ARE CALCULATED GROUND DISTANCES.
   f) BASIS OF ELEVATIONS: ORTHOMETRIC HEIGHTS DERIVED FROM ELLIPSOIDAL HEIGHTS CORRECTED BY GEOID 96 MODEL.
7. EXISTING RIGHT-OF-WAY WAS SECURED UNDER N.M.P. F-032-1(9), UNLESS OTHERWISE NOTED.
8. RECORD DATA IS SHOWN IN "( )".
9. ALTERNATE UNITS ARE SHOWN "[ ]".

LEGEND

- NO. 5 REBAR W/CAP SET
- SECTION CORNER
- 1/4 CORNER
- BRASS CAP FOUND
- POINT FOUND AS NOTED
- "T" RAIL FOUND
- CONTROL MONUMENT
- EXISTING FENCE

POINT IDENTIFICATION

PT#	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
290	7+315.093	36.580 m[120.00'] RT	160105.897	517843.138	SET R/W ALUMINUM CAP
291	7+833.055	36.580 m[120.00'] RT	160602.034	517991.906	SET R/W ALUMINUM CAP
293	7+295.782	27.389 m[89.85'] LT	160105.773	517776.318	CALC PT RW @ ALIQUOT LINE
4050	7+315.468	37.821 m[124.07'] RT	160105.900	517844.434	FD BLM BRASS CAP
447	7+574.892	36.580 m[120.00'] RT	160354.7497	517917.757	SET R/W ALUMINUM CAP
3066	7+421.765	68.468 m [224.63'] LT	160238.246	517773.155	FD "T" RAIL R/W MONUMENT
4041	7+088.697	713.369 m [2340.45']	160104.439	517059.763	FD BLM BRASS CAP

NO.	REVISIONS (OR CHANGE NOTICES)	DATE	BY
4			
3			
2			
1			

DRAWN BLB
CHECKED RBS
APPROVED RBS

CERTIFICATION

I, ROBERT B. STANNARD, HEREBY CERTIFY THAT I AM RESPONSIBLE FOR THIS MONUMENTATION SURVEY, WHICH WAS COMPLETED BY ME OR UNDER MY DIRECTION. THIS SURVEY IS MONUMENTED ACCORDING TO THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT RIGHT-OF-WAY MAP PROJECT AC-TC-MIP-054-1(21)30. THE MONUMENTS SET AS SHOWN ON THIS MAP ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY MEETS THE MINIMUM STANDARDS FOR HIGHWAY RIGHT-OF-WAY SURVEYING IN NEW MEXICO, AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERES AND SURVEYORS.

ROBERT B. STANNARD NEW MEXICO REG. NO. 11598 DATE 1/19/01
FARMINGTON, NEW MEXICO 87401
(505) 325-7535

ROBERT B. STANNARD NEW MEXICO 11598 REGISTERED PROFESSIONAL SURVEYOR

COUNTY OF OTERO } S.S.
STATE OF NEW MEXICO }

I hereby certify that this instrument filed for record on the _____ day of _____ A.D. 20 __ , at _____ o'clock __ m., and was duly recorded in Book _____ , Page _____ of the records of Otero County.

Witness my hand and Seal of Office
County Clerk, Otero County, New Mexico

Deputy

METRIC P.C.N. 2992

NEW MEXICO HIGHWAY COMMISSION
MONUMENTATION MAP
NEW MEXICO PROJECT NO.
AC-TC-MIP-054-1(21)30
OTERO COUNTY, NEW MEXICO
SCALE: 1:1000 SHEET 13 OF 13

EARTH FILE CORP. IRVINE, CA EFH 24
BK 56 PG 8 - 21, 13 OF 13

NM54mon13.dwg 1-19-01 10:27:46 am EST