

CITY COPY

110/58

IN THE CITY AND COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

RECORD OF SURVEY

OF PORTIONS OF SECTIONS 7, 8, 17 AND 18, T. 3 S., R. 4 W., SAN BERNARDINO MERIDIAN

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

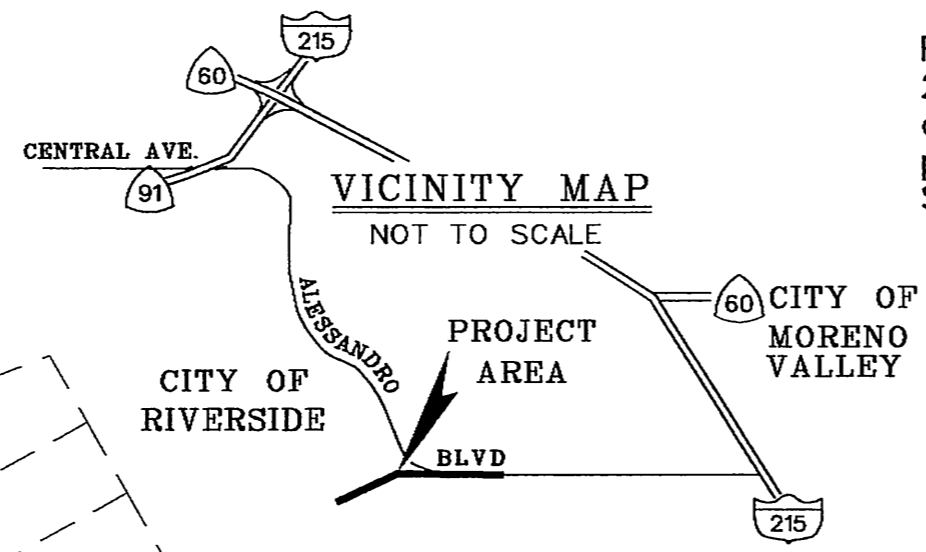
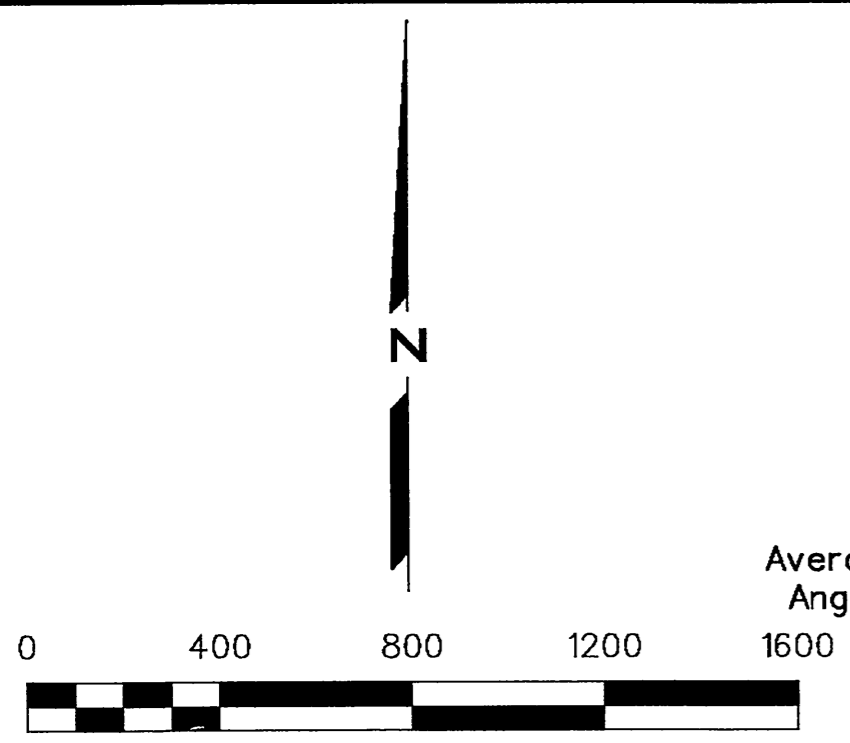
BOX SPRINGS FEEDER (PROPOSED)

MARCH 1999 MANUEL M. CORTEZ LS 6599

EXEMPT RECORDING REQUEST
PER GOVERNMENT CODE 6103

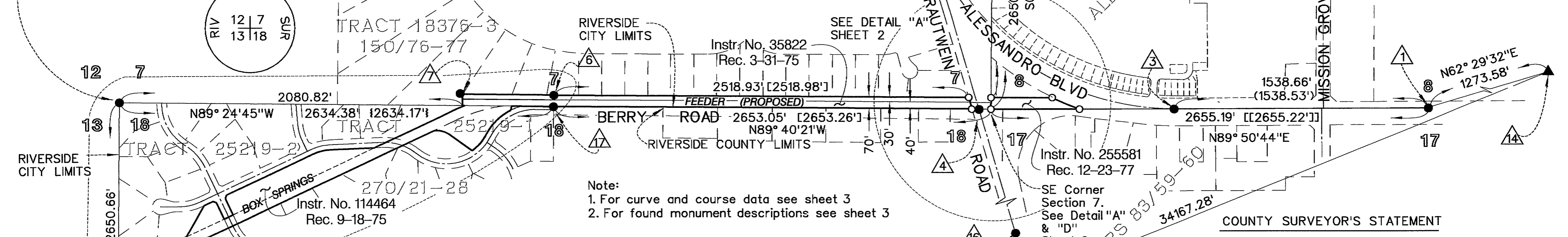
RECORDER'S STATEMENT

Filed this 19th day of MAR, 2001, at 8 A.M. in Book 110 of Records of Survey, at Page 58-60, at the request of the County Surveyor.
Fee \$ No. 2001-110312
GARY L. ORSO, COUNTY ASSESSOR-CLERK-RECORDER
By S. Kagan, Deputy



SCALE 1"=400'

Found 2" I.P. with a 2" BCM stamped, 1" above surface. Accepted as SW Cor. Section 7, per RCSTB 44/42.



Note:
1. For curve and course data see sheet 3
2. For found monument descriptions see sheet 3

SURVEYOR'S NOTES:

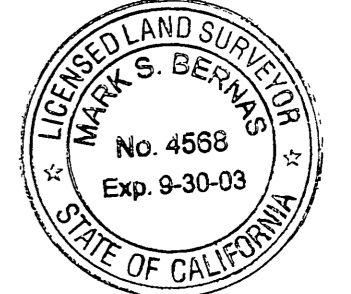
- The basis of bearings for this record of survey is the California Coordinate System, NAD 83, Zone 6, as determined locally by a line between Stations "Cajalco North East Base" and "MFP1", being S51° 34' 50" W, per Record of Survey Book 101, pages 21 through 23, Riverside County Records.
- Distances shown hereon are ground distances. Grid distances may be obtained by multiplying ground distance by 0.99993913, Average elevation above mean sea level = 1531 feet, average longitude = 117° 20' 24", average latitude = 33° 54' 60", average convergence angle = -0° 35' 56".
- "●" indicates found monument as noted. (see sheet 3)
- "▲" indicates found bronze disk in concrete post, unless otherwise noted.
- "○" indicates set 1 1/2" iron pipe with tag stamped "MWD LS 6599" flush with surface, unless otherwise noted.
- () indicates record data per Record of Survey Book 83, pages 59-60, Riverside County Records.
- < > indicates record data per Instrument No. 114464, recorded September 18, 1975, Official Records Riverside County.
- [] indicates record data, per Tract No. 18376-3, Map Book 150, pages 76-77, Riverside County Records.
- { } indicates record data per Record of Survey Book 41, page 7, Riverside County Records.

- [[]] indicates record data per Record of Survey Book 96, pages 16-17, Riverside County Records.
- (()) indicates record data per Record of Survey Book 48, page 23, Riverside County Records.
- { } indicates record data per Tract No. 25219-2, Map Book 287, pages 73-77, Riverside County Records.
- The purpose of this Record of Survey is to delineate and monument MWD easements and fee parcels in area shown. Also to show the centerline alignment of the Box Springs Feeder (Proposed). (See Sheet 3)
- Abbreviations used hereon include the following:
MWD The Metropolitan Water District of Southern California
RSB Record of Survey Book
MB Map Book
I.P. Iron Pipe
RCE Register Civil Engineer
LS Land Surveyor
Instr No. Instrument number
NAD 1983 North American Datum 1983
OR Official Records
MWD FB MWD Field Book
P.I. Point of Intersection
C Centerline
RCSTB Riverside County Surveyor Tie Book
E East
SE Southeast
SW Southwest
Rad. Radial

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYORS' ACT THIS 12TH DAY OF March, 2001.

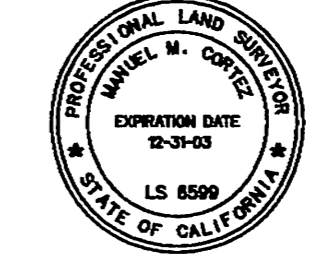
Mark S. Bernas
MARK S. BERNAS, COUNTY SURVEYOR
PLS 4568 EXPIRES 9-30-03



SURVEYOR'S STATEMENT:

This map correctly represents a survey made by me or under my direction in conformance with the requirements of the Land Surveyors' Land Act, at the request of The Metropolitan Water District of Southern California, in March 1999.

Manuel M. Cortez
Manuel M. Cortez LS 6599
Registration expires Dec. 31, 2003



R/S 110/58



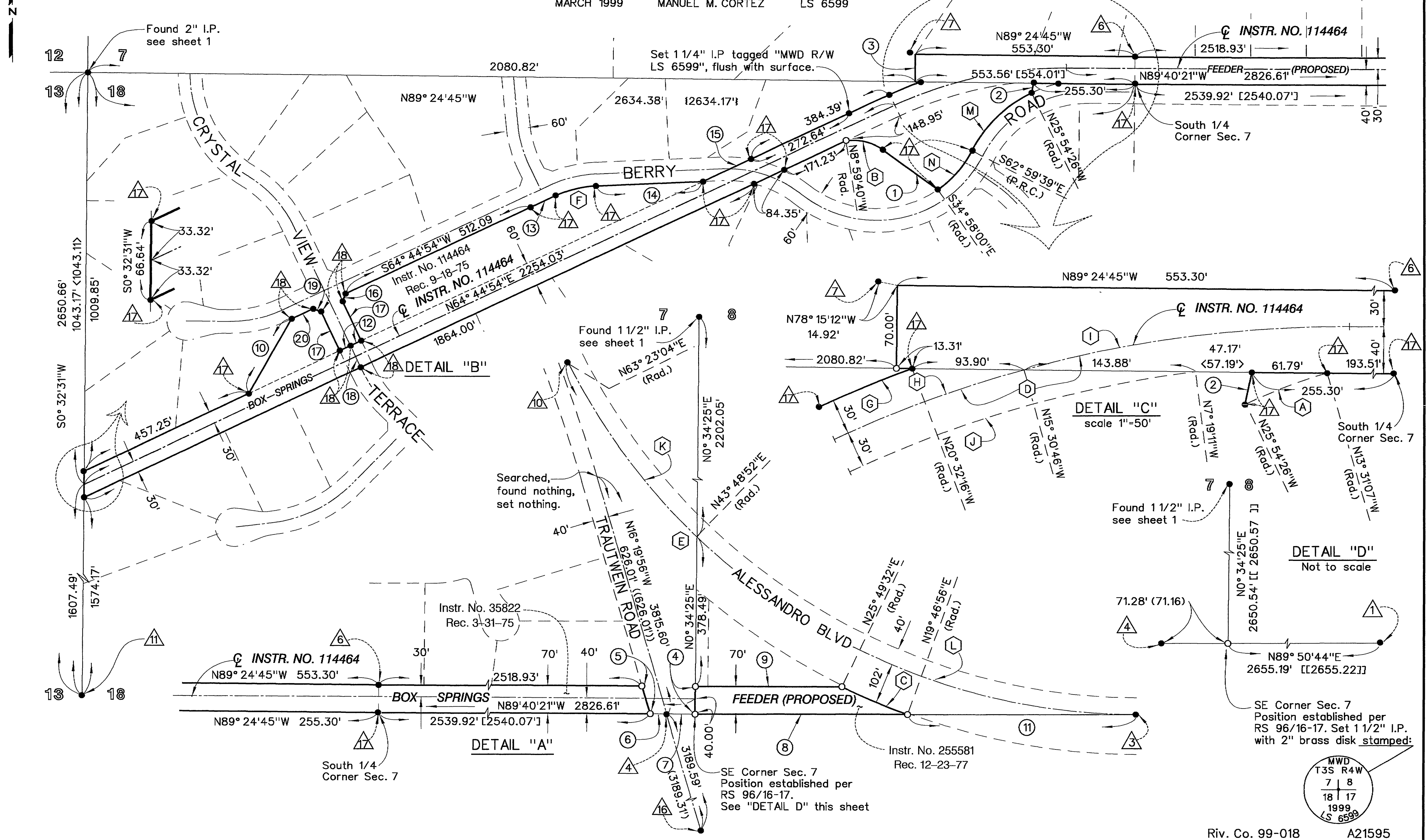
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THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
BOX SPRINGS FEEDER (PROPOSED)

MARCH 1999 MANUEL M. CORTEZ LS 6599

- Note:
1. For curve and course data see sheet 3
 2. For found monument descriptions see sheet 3



INSTR. NO. 114464

Instr. No. 35822
Rec. 3-31-75

Instr. No. 114464
Rec. 9-18-75

INSTR. NO. 114464

Instr. No. 255581
Rec. 12-23-77

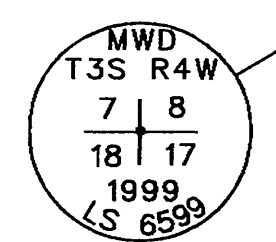
DETAIL "D"
Not to scale

DETAIL "C"
scale 1"=50'

DETAIL "A"

DETAIL "B"

SE Corner Sec. 7
Position established per
RS 96/16-17. Set 1 1/2" I.P.
with 2" brass disk stamped:



R/S 110/59

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DETAIL SHOWING ALIGNMENT OF PROPOSED PIPELINE WITHIN RIGHT-OF-WAY

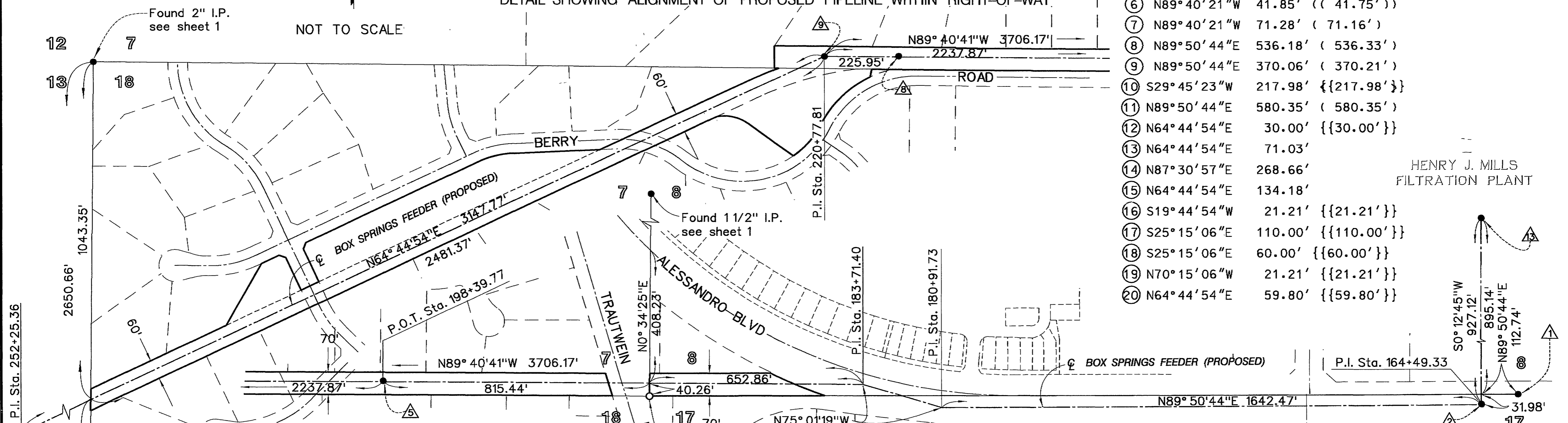
COURSE TABLE

SHEET 3 OF 3 SHEETS

1	S54°04'19"E	170.79'	< 174.90'>
2	N12°01'58"E	25.21'	
3	N00°34'28"E	70.00'	[70.00']
4	N00°34'25"E	70.00'	(70.01')
5	S16°19'56"E	73.07'	[73.06']
6	N89°40'21"W	41.85'	((41.75'))
7	N89°40'21"W	71.28'	(71.16')
8	N89°50'44"E	536.18'	(536.33')
9	N89°50'44"E	370.06'	(370.21')
10	S29°45'23"W	217.98'	{ { 217.98' } }
11	N89°50'44"E	580.35'	(580.35')
12	N64°44'54"E	30.00'	{ { 30.00' } }
13	N64°44'54"E	71.03'	
14	N87°30'57"E	268.66'	
15	N64°44'54"E	134.18'	
16	S19°44'54"W	21.21'	{ { 21.21' } }
17	S25°15'06"E	110.00'	{ { 110.00' } }
18	S25°15'06"E	60.00'	{ { 60.00' } }
19	N70°15'06"W	21.21'	{ { 21.21' } }
20	N64°44'54"E	59.80'	{ { 59.80' } }

CURVE TABLE

A	Δ = 12° 23' 19" Δ = 12° 19' 32" R=330.00' L=71.35'	F	Δ = 22° 46' 03" R=270.00' L=107.29'
B	Δ = 44° 55' 13" Δ = 44° 55' 13" R=125.00' L=98.00'	G	Δ = 4° 42' 50" R=1030.00' L=84.74'
C	Δ = 6° 02' 36" Δ = 06° 02' 38" R=1702.00' L=179.52'	H	Δ = 9° 44' 19" R=1000.00' L=169.97'
D	Δ = 25° 34' 45" Δ = 25° 34' 09" R=1000.00' L=446.44'	I	Δ = 15° 50' 26" R=1000.00' L=276.47'
E	Δ = 63° 32' 20" Δ = 63° 32' 20" R=1600.00' L=1774.34'	J	Δ = 17° 55' 55" R=970.00' L=303.58'
		K	Δ = 19° 34' 12" R=1600.00' L=546.50'
		L	Δ = 43° 58' 08" R=1600.00' L=1227.84'
		M	Δ = 37° 05' 13" R=330.00' L=213.60'
		N	Δ = 28° 01' 39" R=270.00' L=132.08'



- 1 Found 2" I.P. with a 2" BCM stamped: 2" below surface. Accepted as S 1/4 Corner Section 8, per RSB 96/16-17
- 2 Found 2" I.P. with brass tag stamped "MWD BSF P.I. Sta. 164+49.33", 8" below surface, per MWDFB 4040-01/089
- 3 Found 1" I.P. with plastic plug stamped "LS 3018", flush with surface, per RS 83/59-60. Accepted as centerline of Alessandro Blvd.
- 4 Found 1" I.P. with plastic plug stamped "LS 3018", flush with surface, per RSB 83/59-60. Accepted as centerline of Troutwein Road.
- 5 Found 1" I.P. with brass tag stamped "MWD Q BSF P.O.T. Sta. 198+39.77", flush with surface, per MWDFB 4040-01/096.
- 6 Found 1" I.P. with plastic plug stamped "LS 3018", flush with surface, per Tract 18376-3, MB 150/76-77.
- 7 Found nail and tag stamped "LS 3018", on top of large boulder, per Tract 18376-3, MB 150/76-77.
- 8 Found 1" I.P., not tagged, flush with surface. Accepted as BSF P.O.T., per MWDFB 4040-01/097.
- 9 Found 1" I.P. with brass tag stamped "MWD. BSF P.I. Sta. 220+77.81", 18" below surface, per MWDFB 7585/4.
- 10 Found 1" I.P. not tagged, flush with surface. Accepted as E.C. of Alessandro Blvd. Q set tag stamped "MWD LS 6599".
- 11 Found 1" I.P. tagged "RCE 862", flush with surface. Accepted as W 1/4 Cor. Section 18, per RSB 64/73.
- 12 Found 1" I.P. with tag stamped "MWD Q B.S.F. 252+25.36 P.I.", 1" above surface, per MWDFB 4040-01/072

- 13 Found 2" I.P. with brass tag stamped "MWD BSF P.I. Sta. 155+22.26", flush with surface, per MWDFB 4040-01/090.
- 14 "MFP1" Found 3 1/4" MWD brass Disk on a large granite rock, 6" above surface, per RSB 101/21-23. Zone 6, NAD 1983 (1991.35) Coordinates
N = 2279378.65'
E = 6237399.48'
Convergence angle = -0° 35' 14"
- 15 "CAJALCO NORTHEAST BASE" Found 3 1/2" MWD brass disk in 12"x12" concrete base, 5" above surface, per RSB 101/21-23. Zone 6, NAD 1983 (1991.35) Coordinates.
N = 2258147.95'
E = 6210631.62'
Convergence angle = -0° 39' 07"
- 16 Found 1" I.P. with plastic plug stamped "LS 3018", flush with surface, per RSB 83/59-60. Accepted as centerline intersection of Troutwein Road and Mission Grove Parkway.
- 17 Found 1" I.P. tagged "LS 3547" in lieu of 1" I.P. tagged "RCE 21740", flush with surface, unless otherwise noted, per Tract No. 25219-1, Map Book 270, Pages 21-28, Riverside County Records.
- 18 Found 1" I.P. tagged "LS 5390", flush with surface, unless otherwise noted, per Tract No. 25219-2, Map Book 287, Pages 73-77, Riverside County Records.

