



Project No. 5279.02
January 16, 2020

Rise Grass Valley, Inc.
333 Crown Point Circle, Suite 215
Grass Valley, CA 95945

Attention: Ben Mossman, President

Reference: Idaho-Maryland Mine Project – Portion of Brunswick Industrial Site
12381 Brunswick Road and 12301 Millsite Road
APNs 006-441-034 and 009-630-039
Grass Valley, California 95945

Subject: Management Plan for Potential Seismic Hazards

Dear Mr. Mossman,

This letter summarizes NV5's review of a previously-designated building setback associated with a fault zone crossing a portion of the Brunswick Industrial Site. The 119-acre Brunswick Industrial Site is located on the southwest corner of Brunswick Road and East Bennett Road, approximately ½ mile southeast of the Grass Valley city limits in unincorporated Nevada County, California, and is part of the Idaho-Maryland Mine Project (the Project).

The fault zone addressed herein crosses a portion of the Brunswick Industrial Site, specifically APNs 006-441-034 and 009-630-039, which are located at 12381 Brunswick Road and 12301 Millsite Road. For the purposes of this letter the two subject parcels are referred to as the "Site" or "subject site".

The Project is to include development of industrial facilities associated with proposed underground hard rock mining operations. Because construction is proposed within an area on the site designated as a building setback fault zone (herein referred to as "fault zone"), the Nevada County Community Development Agency (CDA) required the preparation of a management plan pursuant to Land Use and Development Code (LUDC) Section L-II 4.3.8 – Earthquake Faults & Seismically Sensitive Areas, to facilitate Project review and permitting.

The conclusions and recommendations presented herein are based on our understanding of the proposed development, the findings of geotechnical investigation, review of published geologic and soil survey maps, and our experience in the area. Our opinion is that the subject fault zone does not qualify as a seismically active area and therefore the proposed Project development within the identified fault zone is feasible without mitigation or restriction, provided that the recommendations of the Geotechnical Engineering Report (NV5; November 18, 2019) are incorporated into the Project plans and specifications.

1.0 INTRODUCTION

According to the Nevada County Planning Department property title records, an inferred fault alignment and a 200-foot building setback zone on each side of the inferred alignment passes through the subject site. The fault line and setback are recorded on Final Map 85-7 (Book 7 of Subdivisions at page 75) prepared by A.W. Beeson & Associates, Inc. (Beeson; January 1987) for the previously-proposed BET Acres Subdivision (Attachment A).

According to the map prepared by Beeson (1987), the recorded fault alignment is based on an “Anderson Geotechnical Report.” The report was likely prepared by Anderson Geotechnical Consultants, Inc. (Anderson), who performed other geotechnical investigations in the area during this time. The report was not located by public records review and was not available from the firm that subsequently acquired Anderson.

NV5 performed a geotechnical engineering recommendations and provided geotechnical engineering recommendations for the Project in *Geotechnical Engineering Report, Idaho-Maryland Mine Project – Brunswick Industrial Site* (November 18, 2019). The geotechnical engineering investigation included a site reconnaissance and literature review pertaining to soil conditions and site geology, and a subsurface investigation and laboratory testing program.

2.0 PURPOSE

This management plan was prepared pursuant to Nevada County LUDC Sec. L-II 4.3.8 to address potential seismic hazards associated with the previously-identified fault alignment. Section L-II 4.3.8.C requires a management plan for development projects that will result in disturbance within seismically active areas, which are defined in Section L-II 4.3.8.B as areas determined to be within a seismic hazard zone or to have the potential to suffer ground rupture from active faults by the State Division of Mines and Geology.

3.0 SCOPE

To prepare this management plan, we reviewed published geologic literature pertaining to the site and surrounding area and the findings of our geotechnical engineering report for the Project.

4.0 SITE DESCRIPTION

The 119-acre Brunswick Industrial Site is located on the southwest corner of Brunswick Road and East Bennett Road, approximately ½ mile southeast of the Grass Valley city limits in unincorporated Nevada County, California, and is part of the Idaho-Maryland Mine Project (the Project). The fault zone addressed herein crosses a portion of the Brunswick Industrial Site, specifically APNs 006-441-034 and 009-630-039, which are located at 12381 Brunswick Road and 12301 Millsite Road. For the purposes of this letter the two subject parcels (comprising approximately 31.16 acres) are referred to as the “Site” or “subject site”.

The Site sits in a valley created by the South Fork of Wolf Creek, and is bordered by Brunswick Road to the east, East Bennett Road to the north, predominantly vacant industrial properties to the south and southwest, and undeveloped land to the west and southwest.

At the time of our investigation, the Site consisted of generally flat-lying fill surfaces around the New Brunswick mine shaft, former sawmill landings, and gently to moderately sloping open space and forested areas around a pond and dam. Deep fill was present in the vicinity of the New Brunswick shaft and ore bin.

The South Fork of Wolf Creek is contained within an approximately 48-inch diameter corrugated metal pipe (CMP) culvert as it enters the Site. The creek discharges back into its natural channel within the site, continuing northwestward along the southwestern border of the property.

As shown on Map 85-7, the inferred fault alignment crosses the subject site from the south side of the pond near the southern site boundary and trends approximately 350 degrees towards the intersection of East Bennett Road from New Brunswick Court near the northern site boundary (Figure 1). The New Brunswick shaft is located approximately 150-feet west of the inferred fault alignment within the 200-foot setback zone.

5.0 PROPOSED IMPROVEMENTS

NV5 reviewed a Grading Plan (Sheet B-1) prepared by Nevada City Engineering, Inc. (and several sheets prepared by Rise Grass Valley, Inc. (November 2019), including an Infrastructure Plan (Sheet B101), Biological and Cultural Summary Map (Sheet B102), Infrastructure Details (Sheet B103) and Section Views (Sheet B104). Based on our review of these site plans, we understand that the proposed project improvements will likely include the construction of:

- New light-loaded and heavily-loaded structures to support industrial mining activities;
- Regrading of a portion of the dam;
- Retrofitting and expansion of the existing New Brunswick shaft;
- Construction of a new service shaft and headframe;
- Construction of a storm water detention pond;
- Construction of an engineered fill for future industrial development; and
- Associated infrastructure elements including earth retaining structures.

Appurtenant construction will include asphalt concrete paved roads and parking areas and underground utilities. Grading for the project will include cut and fill for building pads, roadways, surface and subsurface drainage improvements and underground utilities.

6.0 PREVIOUS SITE INVESTIGATIONS

NV5 requested public records from the County of Nevada; however, the “Anderson Geotechnical Report” referenced on Map 85-7 was not available. A geotechnical report for a neighboring East Bennett Street Property to the north (Anderson; May 12, 1986) was identified (Attachment B). NV5 reviewed the Anderson (1986) report, which states that Anderson performed a previous geotechnical reconnaissance (February 26, 1986) and references a fault on the subject site:

“The fault that was addressed in our initial Geotechnical Reconnaissance (dated 26 February 1986) as crossing near lot 2 appears to be present on the northern most

part of the lot. The age of this fault is on the order of 100 million years and any potential risk of movement is so slight that it should not affect single family residential construction. We recommend that any construction be set back at least 200 feet from the fault (the approximate location of the fault is shown in our previous work, Geotechnical Reconnaissance).“ (Anderson, 1986)

7.0 GEOLOGY AND SEISMICITY

The Site is located within a region underlain by a complex assemblage of igneous and metamorphic rocks in the western foothills of the Sierra Nevada. The regional structure of the foothills is characterized by the north-northwest trending Foothills Fault System, a feature formed during the Mesozoic era (between approximately 65 million and 248 million years ago) in a compressional tectonic environment. A change to an extensional tectonic environment during the late Cenozoic (approximately within the last 30 million years), resulted in normal faulting which has occurred coincident with some segments of the older faults near the Site.

According to the Geologic Map of the Chico Quadrangle, California (California Department of Conservation, Division of Mines and Geology, 1992) the Site is underlain by massive diabase. A northwest trending liniment of the Grass Valley Fault Zone is approximately located or inferred along Brunswick Road east of the site (Figure 2). The Grass Valley Fault Zone is not considered active. Metavolcanic rock is mapped on the east side of Brunswick Road and the fault. Both of these units are associated with the Mesozoic Lake Combie Complex. The upslope area to the south and southwest of the Site is mapped as Miocene to Pliocene volcanics, predominantly andesitic pyroclastic rocks, which cover the fault that contacts the massive diabase and metavolcanic rocks. The Mesozoic era spans the period of time between 250 and 65 million years before present and the Miocene to Pliocene epochs span the period of time between 23 and 2.6 million years before present.

The Geologic Map of the Grass Valley - Colfax Area (A. Tuminas, 1983) presents the findings of a more detailed local study. According to this geologic map, an inferred fault trends north-northwest through the property approximately along the eastern shore of the pond and passing through the northern Site boundary. Four rock units are mapped as underlying the Site. The eastern portion of the Site (and fault) is mapped as early Mesozoic Lake Combie metavolcanic rock. The northern and western sloping flanks of the Site are mapped as early Mesozoic Lake Combie massive diabase. The lower valley portions encompassing the South Fork of Wolf Creek is mapped as Quaternary alluvium (i.e., water-lain sediments deposited in the past 2 million years). Tertiary clastic strata of the volcanic Mehrten formation is mapped in the upslope areas to the south and southwest of the Site. The Quaternary alluvium and Mehrten formation both cover the fault that contacts the older Lake Combie massive diabase and metavolcanic rocks.

The Fault Activity Map of California (2010) (<http://maps.conservation.ca.gov/cgs/fam/>), prepared by the California Department of Conservation, California Geological Survey (CGS), indicates that the Site is located within the Foothills Fault System. The Foothills Fault System is designated as a Type C fault zone, with low seismicity and a low rate of recurrence. The Foothills Fault System has been assigned a moment magnitude of 6.5. The nearest mapped active portion of the Foothill Fault System is approximately 25 miles northwest of the site on the Cleveland Hill Fault.

We also reviewed the CGS Open File Report 96-08, Probabilistic Seismic Hazard Assessment for the State of California, the 2002 update entitled California Fault Parameters, and the Official Maps of Earthquake Fault Zones delineated by the CGS through December 2010 (<http://www.quake.ca.gov/gmaps/WH/regulatorymaps.htm>). The 1997 edition of CGS Special Publication 42, Fault Rupture Hazard Zones in California, describes active faults and fault zones (activity within 11,000 years), as part of the Alquist-Priolo Earthquake Fault Zoning Act. The maps and documents all indicate **the site is not located within an (Alquist-Priolo) active fault zone.**

8.0 CONCLUSIONS

The following conclusions and opinions are based on the findings of our geotechnical engineering investigation, our review of local geologic conditions and literature, and our experience in the area.

1. According to Map 85-7, the New Brunswick shaft is located approximately 150 feet west of the fault and within the 200-foot building setback associated with the inferred fault alignment. Because the proposed Project includes development of industrial facilities associated with underground mining operations utilizing the New Brunswick shaft, construction within the building setback fault zone is necessary and unavoidable. There is no alternatively feasible location that would have less impact on the Site and surrounding areas.
2. The inferred fault alignment identified by Anderson at the Site is mapped as a north-northwest trending liniment of the Grass Valley Fault Zone, a subset within the regional Foothills Fault System. The Foothills Fault System formed during the Mesozoic era (between approximately 65 million and 248 million years ago). The Grass Valley Fault Zone is not considered active, and the Foothills Fault System is designated as a Type C fault zone, with low seismicity and a low rate of recurrence.
3. The CGS Special Publication 42, Fault Rupture Hazard Zones in California, describes active faults and fault zones (activity within 11,000 years), as part of the Alquist-Priolo Earthquake Fault Zoning Act. The site is not located within a currently designated Alquist-Priolo Earthquake Fault Zone, and no known surface expression of an active fault has been identified at the Site. Fault rupture through the site, therefore, is not considered likely.
4. It is our opinion that the subject fault, identified on the property in Map 85-7, does not qualify as a seismically active area as defined by Nevada County LUDC Sec. L-II 4.3.8.B.
5. It is our opinion that the proposed Project development within the designated building setback fault zone are generally feasible from a geotechnical engineering standpoint, provided that the recommendations presented in the Project geotechnical engineering report (NV5; November 18, 2019) are incorporated into the Project plans.

9.0 LIMITATIONS

Our professional services were performed consistent with the generally accepted geotechnical engineering principles and practices employed in northern California. No warranty, expressed or implied, is made or intended in connection with our work.

These services were performed consistent with NV5's agreement with our client. We are not responsible for the impacts of any changes in standards, practices, or regulations subsequent to performance of our services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report. This report is solely for the use of our client unless noted otherwise. Any reliance on this report by a third party is at the party's sole risk.

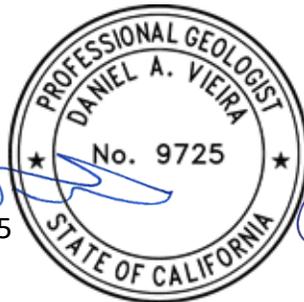
The findings of this report are valid as of the present date. Changes in the conditions of the property can occur with the passage of time. The changes may be due to natural processes or to the works of man, on the subject site or adjacent properties. If changes are made to the nature or design of the project as described in this report, then the conclusions and recommendations presented in this report should be considered invalid by all parties. Only our firm can determine the validity of the conclusions and recommendations presented in this report. Therefore, we should be allowed to review all project changes and prepare written responses with regards to their impacts on our conclusions and recommendations. The recommendations presented in this report should not be relied upon after a period of two years from the issue date without our review.

Please contact us if you have any questions regarding our findings or the conclusions and recommendations presented in this letter.

Sincerely,

NV5


Daniel A. Vieira, P.G. 9725
Project Geologist




Chuck Kull, G.E. 2359
Principal Engineer



attachments: Figure 1, Site Map
Figure 2, Site Geology Map
Attachment A- BET Acres Map 85-7; A.W. Beeson & Associates, January 1987
Attachment B- *East Bennett Street Property*, Geotechnical Investigation; Anderson Geotechnical Consultants, Inc., May 12, 1986

copies: PDF to Rise Grass Valley Inc. /Attn: Ben Mossman, ceo@risegoldcorp.com
PDF to Rise Grass Valley Inc. /Attn: Tessa Brinkman, tbrinkman.peng@gmail.com



Reference: Google Earth Imagery, Imagery Date 5/17/2018, Accessed 1/10/2020

Scale: 1" = 200'



792 Searls Avenue, Nevada City, California, 95959
 PHONE: 530-478-1305, FAX: 530-478-1019

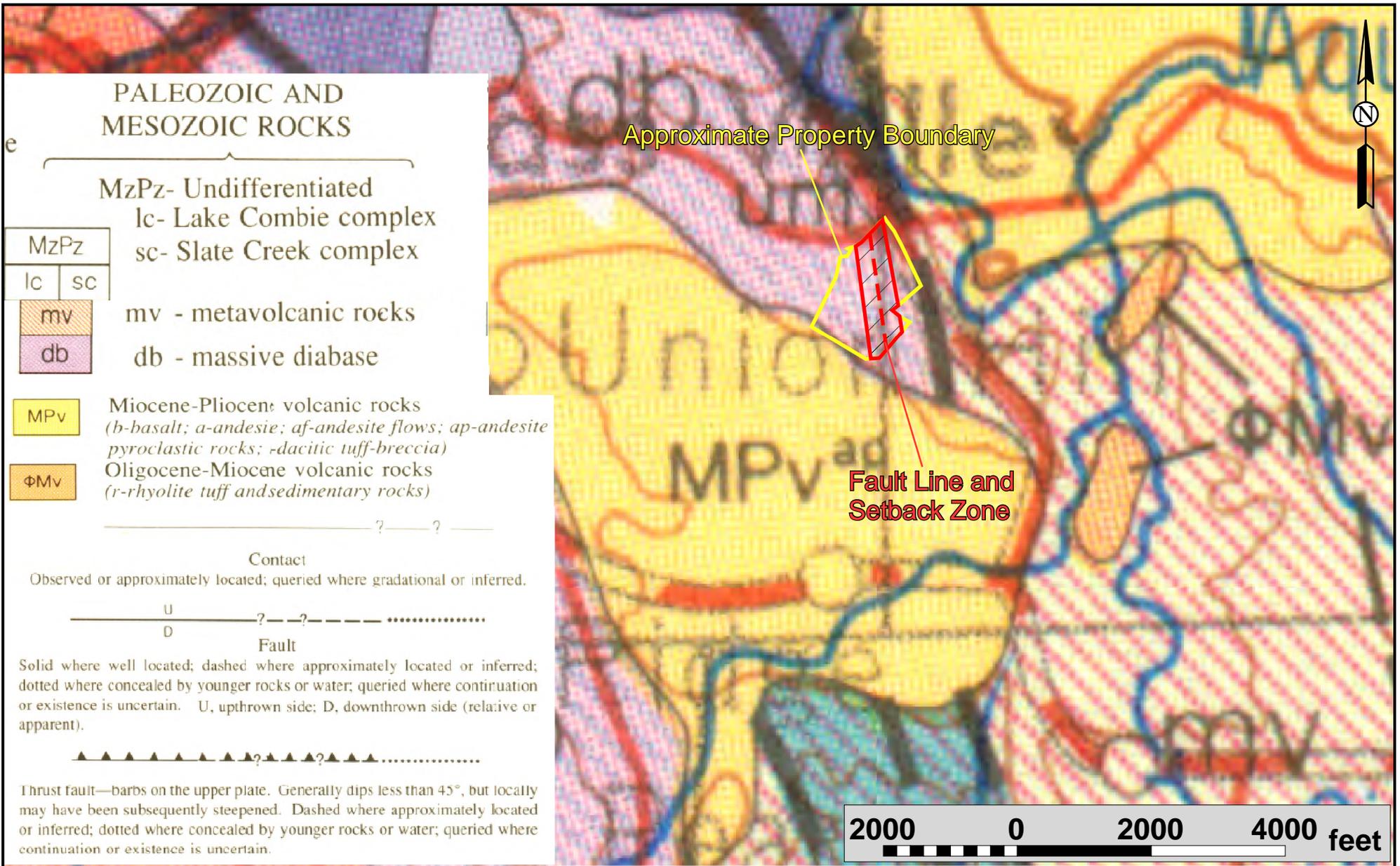
SITE MAP

Project Name: Idaho-Maryland Mine Project – Portion of Brunswick Industrial Site
 Location: 12381 Brunswick Road and 12301 Millsite Road, Grass Valley, California
 Project No.: 5279.02

Date: January 2020
 Drawn By: DAV
 Checked By: JMM

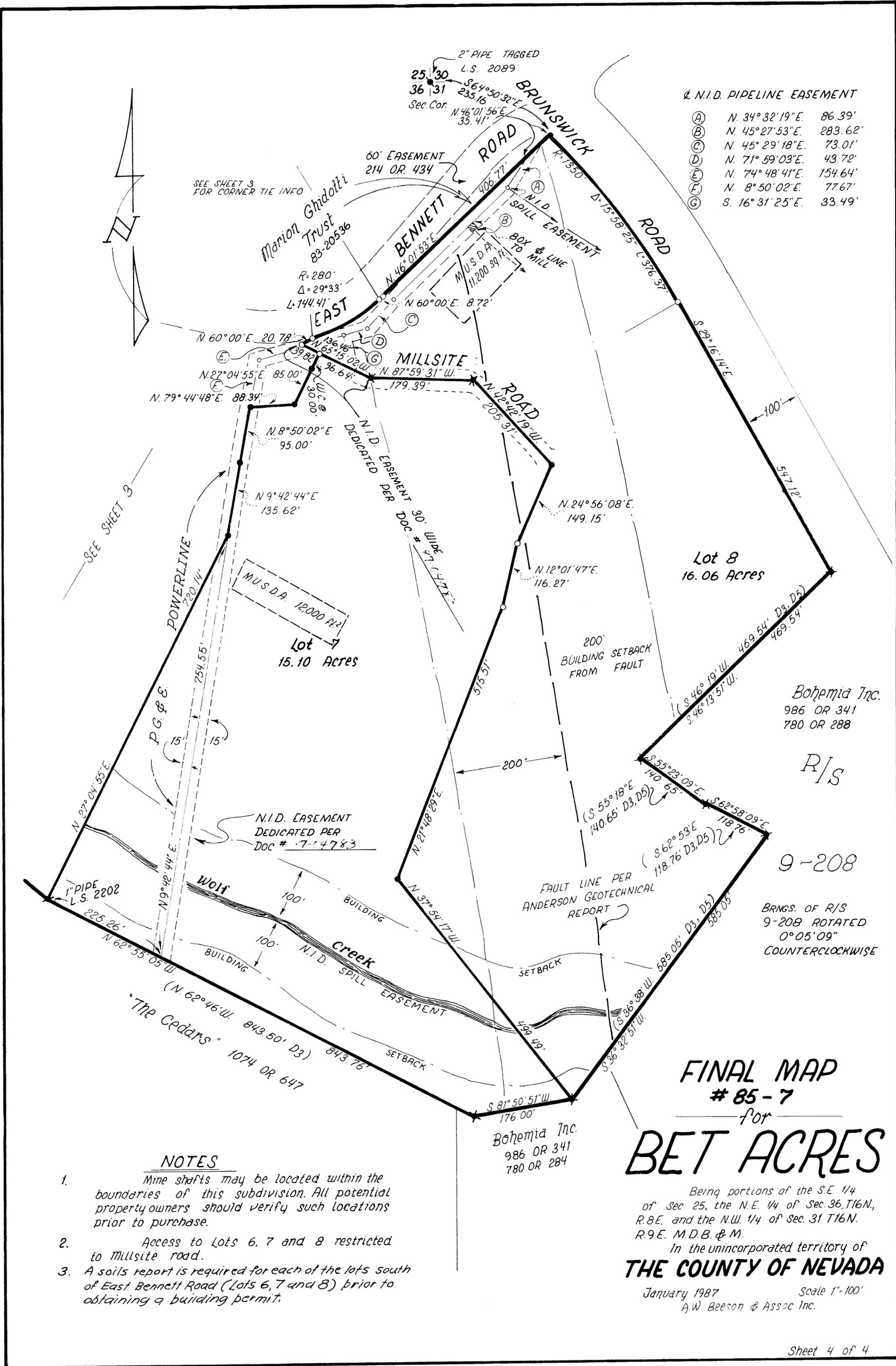
FIGURE

1



Reference: Geologic Map of the Chico Quadrangle, California (California Department of Conservation, Division of Mines and Geology, 1992) Scale: 1" = 2000'

 <p>792 Searls Avenue, Nevada City, California, 95959 PHONE: 530-478-1305, FAX: 530-478-1019</p>	<h2>SITE GEOLOGY MAP</h2>	FIGURE <h1>2</h1>
	Project Name: Idaho-Maryland Mine Project – Portion of Brunswick Industrial Site Location: 12381 Brunswick Road and 12301 Millsite Road, Grass Valley, California	Date: January 2020 Drawn By: DAV Checked By: JMM
	Project No.: 5279.02	



N.I.D. PIPELINE EASEMENT

(A)	N. 34° 32' 19" E.	86.39'
(B)	N. 45° 27' 53" E.	283.62'
(C)	N. 45° 29' 18" E.	73.01'
(D)	N. 71° 59' 03" E.	43.72'
(E)	N. 74° 48' 41" E.	154.64'
(F)	N. 8° 50' 02" E.	77.67'
(G)	S. 16° 31' 25" E.	33.49'

SEE SHEET 3

SEE SHEET 3 FOR CORNER TIE INFO

"The Cedars" 1074 OR 647

FINAL MAP
85-7
for
BET ACRES

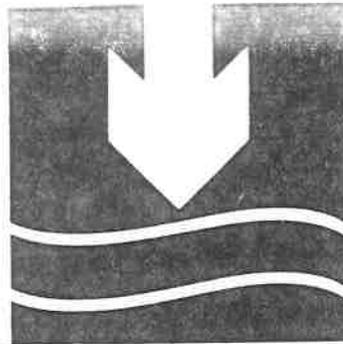
Being portions of the S.E. 1/4 of Sec. 25, the N.E. 1/4 of Sec. 36, T16N, R.8E. and the N.W. 1/4 of Sec. 31 T16N, R.9E. M.D.B. & M.
In the unincorporated territory of
THE COUNTY OF NEVADA

January 1987 Scale 1"=100'
A.W. Beeson & Assoc. Inc.

- NOTES**
1. Mine shafts may be located within the boundaries of this subdivision. All potential property owners should verify such locations prior to purchase.
 2. Access to Lots 6, 7 and 8 restricted to Millsite road.
 3. A soils report is required for each of the lots south of East Bennett Road (Lots 6, 7 and 8) prior to obtaining a building permit.

File No. 1818-1

12 May 1986



file copy
ANDERSON
GEOTECHNICAL
CONSULTANTS, INC.

Erickson, Bouma, and Toms
c/o Erica Erickson
353 Clay Street
Nevada City, California 95959

Subject: East Bennett Street Property
East Bennett Street and Brunswick Road
Nevada County, California
GEOTECHNICAL INVESTIGATION

RECEIVED
MAY 13 1986
NEVADA COUNTY
PLANNING DEPARTMENT

Gentlepersons:

An additional geotechnical investigation of 5 proposed residential lots on the north side of East Bennett Street near Brunswick Road has been completed. The purpose of our investigation was to locate any possible geologic hazards due to past mining activity at the old Brunswick Mine. This investigation was performed in conjunction with our previous Geotechnical Reconnaissance (dated 26 February 1986) in which we recommended that additional studies take place to locate buried shafts, tunnels, and adits and find buildable areas on each residential lot. No additional work was performed on lots 6, 7, and 8. These lots are to have geotechnical investigations performed on an individual basis at a later date.

To complete our additional investigation, six test borings were excavated, at least one per lot, and a review of previous underground surveys was performed. The underground survey map was provided to us by Al Beeson, who obtained it from the

File No. 1818-1

12 May 1986

property owners. The underground map was produced by plotting underground data on a topographic base map produced in 1920 when the Brunswick Mine was still active. Using this map we were able to determine where the old mine structures (headworks, mills, pipelines, tailings piles) were located in relation to the site. The 1920 base map also shows the locations of old ditches, prospects, adits, and shafts. We were also able to determine the depth beneath the ground surface of the shafts and tunnels in the area. An extensive surface reconnaissance and a review of old (1962) aerial photos was also completed.

The locations of the test borings is shown on Figure 1. In the test borings, we found no evidence of near surface tunnels or voids within the depths drilled (20 to 35 feet). In choosing the locations of the test borings, we utilized spots that were unlikely to be the location of any tunnels (according to the 1920 map). Logs of the six test borings are shown on Figures 2 through 7. The locations of the borings on Figure 1 is only approximate as they were located by referencing from topographic features.

RESULTS AND CONCLUSIONS

The results of our study indicate that single family residences can be built on select areas on each of the five lots. On Figure 1, we have plotted appropriate building envelopes on each lot. These building areas have been selected to minimize the risk of experiencing problems from past mining activities at the site.

We recommend that residential construction be avoided on the tailings piles on lots 2 and 4. Although most of the tailings have been removed (reused for aggregate and/or fill off the site), constructing on the remaining tailings could prove difficult. Home sites on the tailings are also considered undesirable. Lots

File No. 1818-1

12 May 1986

2 and 4 have enough area that is not on the tailings to provide sufficient building areas.

The fault that was addressed in our initial Geotechnical Reconnaissance (dated 26 February 1986) as crossing near lot 2 appears to be present on the northern most part of the lot. The age of this fault is on the order of 100 million years and any potential risk of movement is so slight that it should not effect single family residential construction. We recommend that any construction be set back at least 200 feet from the fault (the approximate location of the fault is shown in our previous work, Geotechnical Reconnaissance).

Soil conditions at the site, other than the tailings piles, are suitable for conventional residential foundation systems if footings are properly designed and constructed.

Sincerely,

ANDERSON GEOTECHNICAL CONSULTANTS, INC.

Eric C. Schwarz

A handwritten signature in black ink, appearing to read 'Gery F. Anderson', with a long horizontal stroke extending to the right.

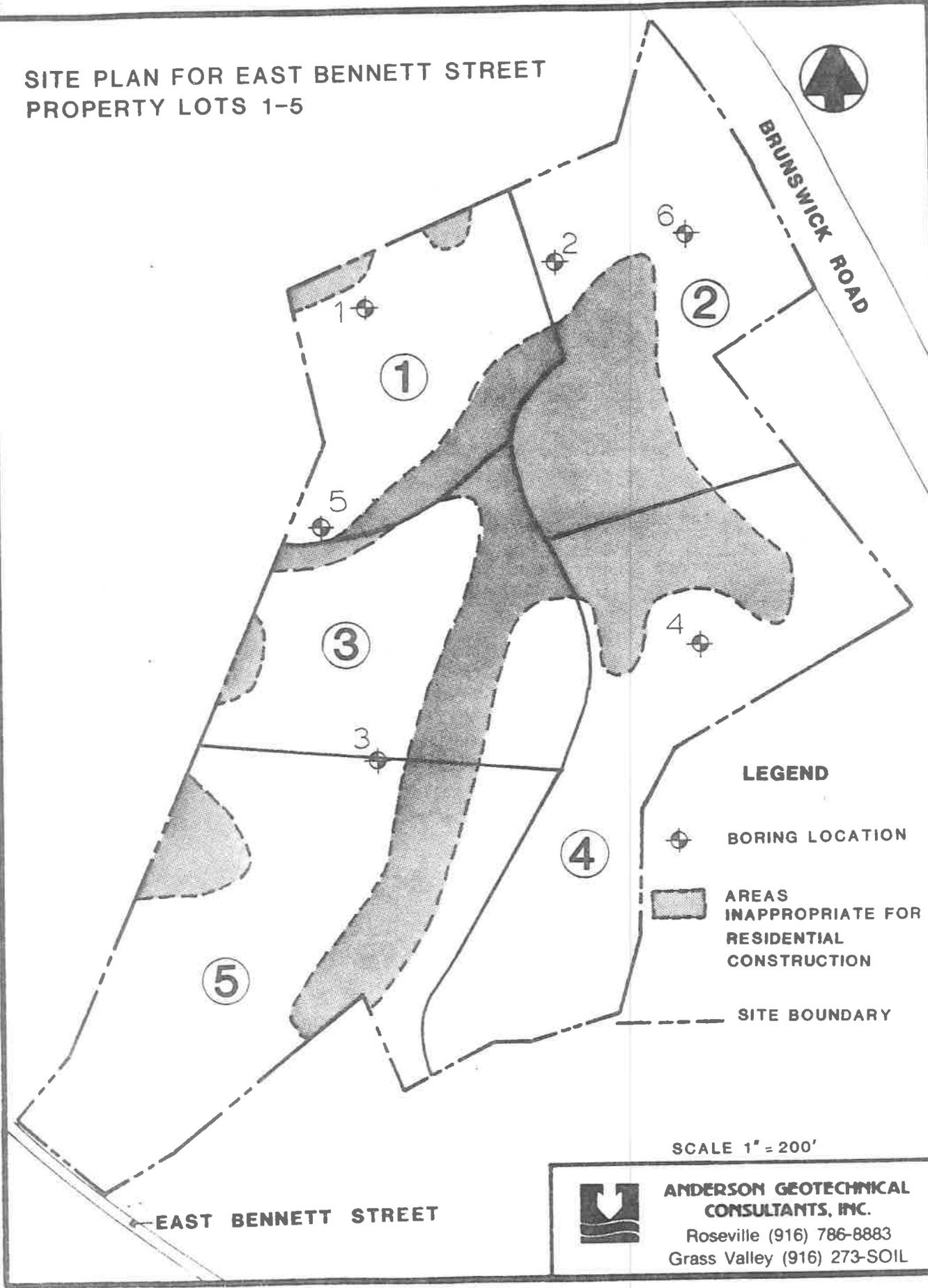
Gery F. Anderson

C. E. 25387

E. G. 163

copies: 2 to Al Beeson

**SITE PLAN FOR EAST BENNETT STREET
PROPERTY LOTS 1-5**



LEGEND

-  BORING LOCATION
-  AREAS
INAPPROPRIATE FOR
RESIDENTIAL
CONSTRUCTION
-  SITE BOUNDARY

SCALE 1" = 200'



**ANDERSON GEOTECHNICAL
CONSULTANTS, INC.**
Roseville (916) 786-8883
Grass Valley (916) 273-SOIL

Fig. 1

FIELD EXPLORATION AND LABORATORY TESTING

Six test borings were drilled at the project site under the supervision of an engineer to determine the type, location, and uniformity of the underlying soil and to locate any possible underground workings in the area. Relatively undisturbed soil samples were obtained as the borings were advanced, the purpose of the exploration being to determine if the locations drilled would be suitable for residential construction. Logs of the six test borings, graphically depicting the materials encountered, are shown as Figures 3 through 8. The maximum depth penetrated by the borings was 35 feet.

The borings were drilled with a Mobile B-34 truck-mounted drill rig, using 4-inch diameter continuous flight augers. Undisturbed soil sampling was accomplished with a 2-inch O.D. sampler. The sampling tool was driven into the ground by the force of a 140 pound hammer dropping 30 inches. Undisturbed samples were examined in the field to determine the type of material encountered.

No laboratory tests were performed on soil samples taken from the test borings. The results of penetration tests aided in the determination of soil and rock strata encountered.

File No. 1818-1

LOG OF BORING NO. 1

Date Drilled: 4/25/86

Surface Elevation: Unknown

DEPTH IN FEET	SAMPLE NO.	LOG & LOCATION OF SAMPLE	BLOWS/FT.	WATER LEVEL	DESCRIPTION	UNIFIED SOIL CLASSIFICATION	DRY DENSITY P.C.F.	MOISTURE CONTENT, %
5	1-1		13		Brown, tan, moist, very loose clayey SILT Some rocks up to 3 inches FILL	ML		
					Red slightly moist, moderately dense SILT	ML		
10	1-2		30		Completely weathered metavolcanic rock has some rock texture; breaks into fine SILT tan/orange Fairly easy drilling			
15					Highly weathered metavolcanic rock More tan, less orange A little harder drilling from 15 feet on down continuing to 30 feet			
30					Boring terminated at 30 feet			

File No. 1818-1

LOG OF BORING NO. 2

Date Drilled: 4/25/86

Surface Elevation: Unknown

DEPTH IN FEET	SAMPLE NO.	LOG & LOCATION OF SAMPLE	BLOWS/FT.	WATER LEVEL	DESCRIPTION	UNIFIED SOIL CLASSIFICATION	DRY DENSITY p.c.t.	MOISTURE CONTENT, %
					Red brown orange, very moist, fine SILT	SML		
2-1			11		Tan orange, completely weathered metavolcanic rock			
2-2			63		Isolated hard rock at 4 feet			
5					More tan, less orange, highly weathered metavolcanic rock			
					Has some rock texture, consistency of SILT when broken			
10					Highly to moderately weathered metavolcanic rock			
					Slow but steady drilling to 25 feet			
15								
20								
25					Boring terminated at 25 feet			

File No. 1818-1

LOG OF BORING NO. 3

Date Drilled: 4/25/86

Surface Elevation: Unknown

DEPTH IN FEET	SAMPLE NO.	LOG & LOCATION OF SAMPLE	BLOWS/FT	WATER LEVEL	DESCRIPTION	UNIFIED SOIL CLASSIFICATION	DRY DENSITY p.c.f.	MOISTURE CONTENT, %
					Red brown, moist, loose SILT	ML		
3-1			8		Orange tan, completely weathered metavolcanic rock, has some rock texture-silty consistency when broken			
5					More tan in color Soft, easy drilling			
3-2			30		Very easy drilling More moisture More clayey SILT in cuttings			
10								
15								
20								
25								
					Break in log			
35					Boring terminated at 35 feet			

File No 1818-1

LOG OF BORING NO. 4

Date Drilled: 4/25/86

Surface Elevation: Unknown

DEPTH IN FEET	SAMPLE NO.	LOG & LOCATION OF SAMPLE	BLOWS/FT	WATER LEVEL	DESCRIPTION	UNIFIED SOIL CLASSIFICATION	DRY DENSITY p.c.f.	MOISTURE CONTENT, %
					Some gravel on roadway	GM		
					Red brown, moist, loose SILT, little SAND	ML		
5	4-1		20		Completely weathered metavolcanic rock has some rock texture, breaks into fine SILT with little clay Easy drilling straight to 30 feet			
30					Boring terminated at 30 feet in steady drilling			

File No. 1818-1

LOG OF BORING NO. 5

Date Drilled: 4/25/86

Surface Elevation: Unknown

DEPTH IN FEET	SAMPLE NO.	LOG & LOCATION OF SAMPLE	BLOWS/FT.	WATER LEVEL	DESCRIPTION	UNIFIED SOIL CLASSIFICATION	DRY DENSITY P.C.F.	MOISTURE CONTENT, %
					Rock and gravel tailings	Rocks		
					Red brown, moist, loose SILT little Sand	ML		
5					Orange tan, completely weathered metavolcanic rock has SILTY with some clay texture when broken			
10								
15								
					Harder slightly weathered metavolcanic rock at 17 approximately 17 feet			
20					Harder drilling			
					Boring terminated at 20 feet			

File No. 1818-1

LOG OF BORING NO. 6

Date Drilled: 4/25/86

Surface Elevation: Unknown

DEPTH IN FEET	SAMPLE NO.	LOG & LOCATION OF SAMPLE	BLOWS/FT.	WATER LEVEL	DESCRIPTION	UNIFIED SOIL CLASSIFICATION	DRY DENSITY P.C.T.	MOISTURE CONTENT, %
					Grey, dense, trailings Rock up to 4 inches Mainly rock and gravel, little sand	GP		
5					Red orange brown, moist, loose SILT	ML		
10					Orange tan completely weathered rock Fairly easy drilling			
15					Somewhat harder drilling to 30 feet			
20								
25								
30					Boring terminated at 30 feet			

SURVEYOR'S CERTIFICATE:

This Final Map for BET ACRES represents a survey which is true and complete as shown, made by me or under my direction in conformance with the requirements of the Subdivision Map Act and local ordinances in January 1987, and the monuments are of a character and occupy the positions as shown and are sufficient to enable the survey to be retraced.

A.W. Beeson
A.W. BEESON L.S. 3224

COUNTY SURVEYOR'S CERTIFICATE:

This Final Map has been examined by me, and the subdivision shown is substantially the same as it appeared on the Tentative Map and any approved alterations thereof and provisions of the Subdivision Map Act and local ordinances applicable at the time of the approval of the Tentative Map have been complied with and I am satisfied that this Final Map is technically correct this 25 day of FEB. 1987

Wesley W. Zachary
WESLEY W. ZACHARY R.C.E. 19284

COUNTY RECORDER'S CERTIFICATE:

I Bruce C. Bolinger, hereby certify that Inter-County Title certificate no. 82246 was filed with this office, and that this plat map was accepted for record, and recorded in BOOK 7 of Subdivisions at Page 75 Document NO 87-04782 at 3:00 p.m. on this 24th day of February 1987

Doc # 87 04782
FEE: \$ 12.00 pd
Bruce C. Bolinger
BRUCE C. BOLINGER
By: Frances Durr
DEPUTY

TAX COLLECTOR'S CERTIFICATE:

I, E. Christina Dabis, the official computing redemptions for the County of Nevada, State of California, do hereby certify that according to the records of my office, there are no liens for unpaid taxes or special assessments collected as taxes against the lands subdivided hereon, except taxes or assessments not yet due and payable, but constituting a lien is paid.

E. Christina Dabis
E. CHRISTINA DABIS
NEVADA COUNTY TAX COLLECTOR

BOARD OF SUPERVISOR'S CERTIFICATE:

This is to certify that the Board of Supervisors of the County of Nevada, State of California, by a motion adopted at a meeting held on the 23rd day of February 1987, did approve for filing this map of the BET ACRES property consisting of 4 sheets, and accepted for public use item 1 offered for dedication above. All provisions of the Subdivision Map Act and local ordinances have been complied with regarding deposits this 23rd day of February 1987

Steve James CHAIRMAN OF THE BOARD
Lady Thompson CLERK OF THE BOARD

OWNER'S CERTIFICATE:

The undersigned, being the only persons representing any record title interest in the herein subdivided lands, do hereby consent to the preparation and recording of this Final Map and offer for dedication and do hereby dedicate to the County of Nevada the following:

ITEM 1: For any and all Public road and Utility purposes, those areas shown as East Bennett rd. Areas A, B and C, excepting therefrom minerals below 150' with the right to mine without disturbing the surface.

Mary Bouma
MARY BOUMA
Erica Erickson
ERICA ERICKSON
William Toms
WILLIAM TOMS

STATE OF CALIFORNIA } SS.
COUNTY OF _____ }

On this 5th day of February 1987 Before me, the undersigned, a Notary Public, State of California, duly commissioned and sworn, personally appeared Mary Bouma, Erica Erickson and William Toms. Known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

In Witness Whereof I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written

A Notary
NOTARY PUBLIC IN AND FOR SAID COUNTY & STATE
MY COMMISSION EXPIRES July 5, 1990

EASEMENTS OF RECORD OF WHICH EXACT LOCATION CAN NOT BE DETERMINED

- 1. Idaho Maryland Mines to Normile, (now Walker) Pipeline Esmt. 224 OR 286
- 2. Matteson to Central Calif. Electric Co. overhead wires, 100 DEEDS 418 & 96 DEEDS 470

REFERENCE DEEDS:

- D1 Bulgrin, 85-14691
- D2 Bohemia Inc., 504 OR 129
- D3 Bouma, Erickson & Toms 83-20536
- D4 "The Cedars" 1074 OR 647
- D5 Bohemia (Brunswick Timber) 986 OR 341 & 780 OR 284, 288.

REFERENCE MAPS:

- R1 3 Sub. 13, "Cordell Estates" Ingram, R.C.E. 9927 1968

FINAL MAP
85-7

for
BET ACRES

Being portions of the S.E. 1/4 of Sec. 25, the N.E. 1/4 of Sec. 36 T.16N., R.8E., and the N.W. 1/4 of Sec. 31. T.16N. R.9E., M.D.B. & M.

In the unincorporated territory of
THE COUNTY OF NEVADA

January 1987 Scale 1"=100'
A.W. Beeson & Assoc. Inc.

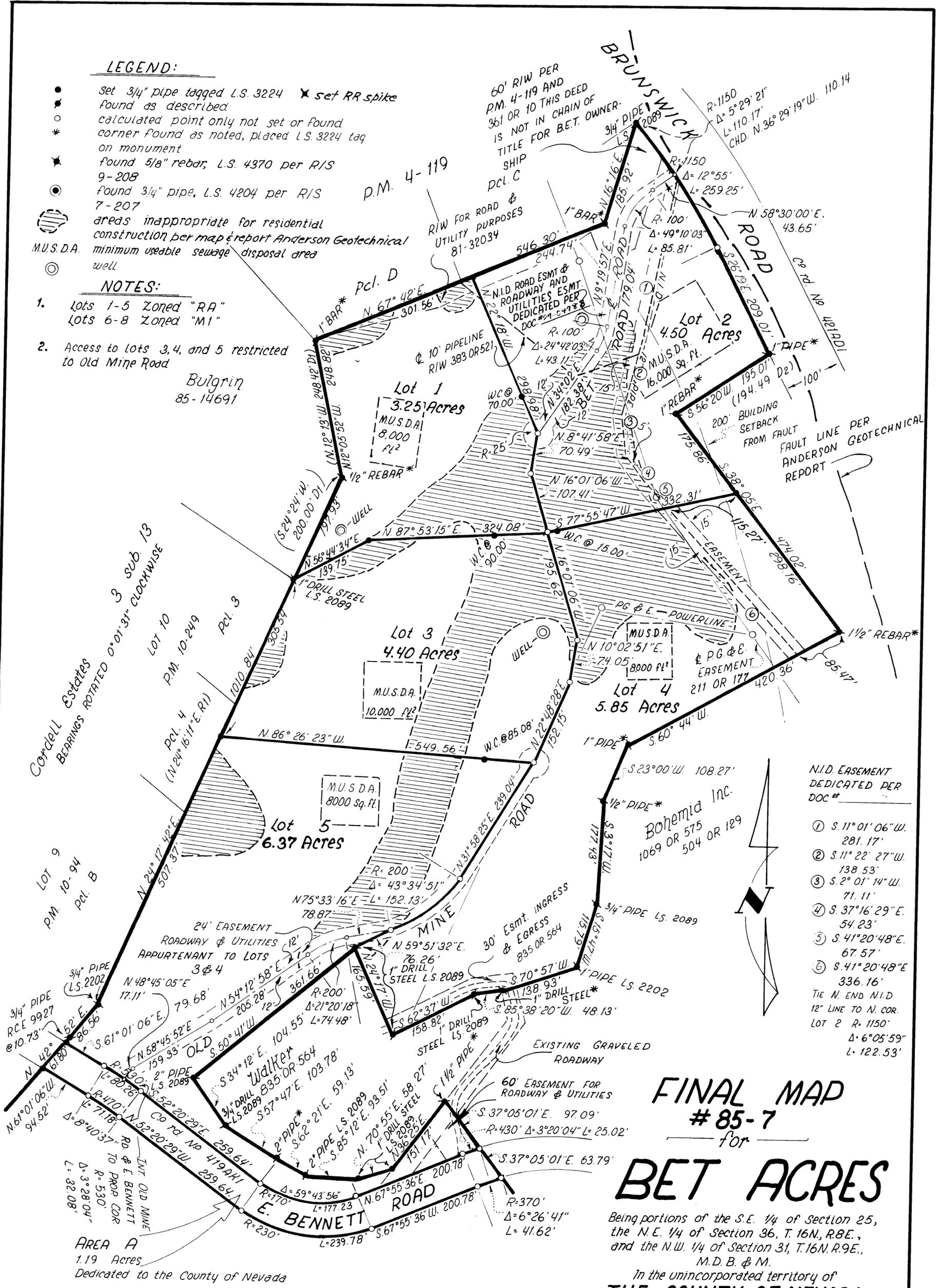
LEGEND:

- Set 3/4" pipe tagged L.S. 3224 ✖ set RR spike
- found as described
- calculated point only not set or found
- * corner found as noted, placed L.S. 3224 tag on monument
- ✖ found 5/8" rebar, L.S. 4370 per R/S 9-208
- found 3/4" pipe, L.S. 4204 per R/S 7-207
- ⊕ areas inappropriate for residential construction per map & report Anderson Geotechnical
- M.U.S.D.A. minimum useable sewage disposal area well

NOTES:

1. Lots 1-5 Zoned "RA"
Lots 6-8 Zoned "M1"
2. Access to lots 3, 4, and 5 restricted to Old Mine Road

Bulgrin
85-14691



- N.I.D. EASEMENT DEDICATED PER DOC #
- ① S. 11° 01' 06" W. 281.17'
 - ② S. 11° 22' 27" W. 138.53'
 - ③ S. 2° 01' 14" W. 71.11'
 - ④ S. 37° 16' 29" E. 54.23'
 - ⑤ S. 41° 20' 48" E. 67.57'
 - ⑥ S. 41° 20' 48" E. 336.16'
- TIE N. END N.I.D. 12" LINE TO N. COR. LOT 2 R. 1150' Δ= 6° 05' 59" L= 122.53'

FINAL MAP
85-7
for

BET ACRES

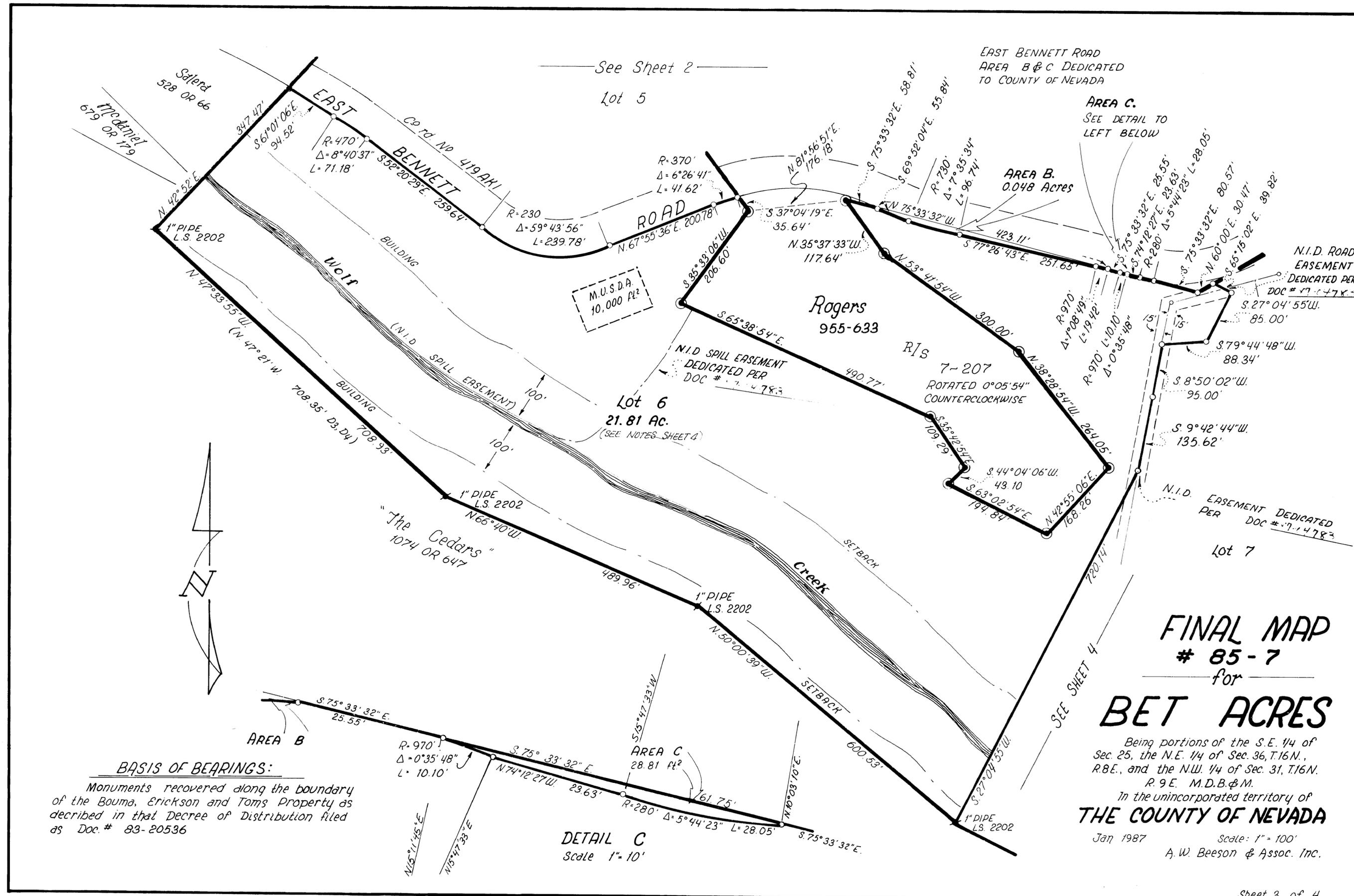
Being portions of the S.E. 1/4 of Section 25, the N.E. 1/4 of Section 36, T. 16N, R. 9E., and the N.W. 1/4 of Section 31, T. 16N, R. 9E., M.D.B. & M.
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A.W. Beeson & Assoc. Inc.

AREA A
1.19 Acres
Dedicated to the County of Nevada

SEE SHEET 3
lot 6

66-149-ER

Sub 7 25 3-4



BASIS OF BEARINGS:

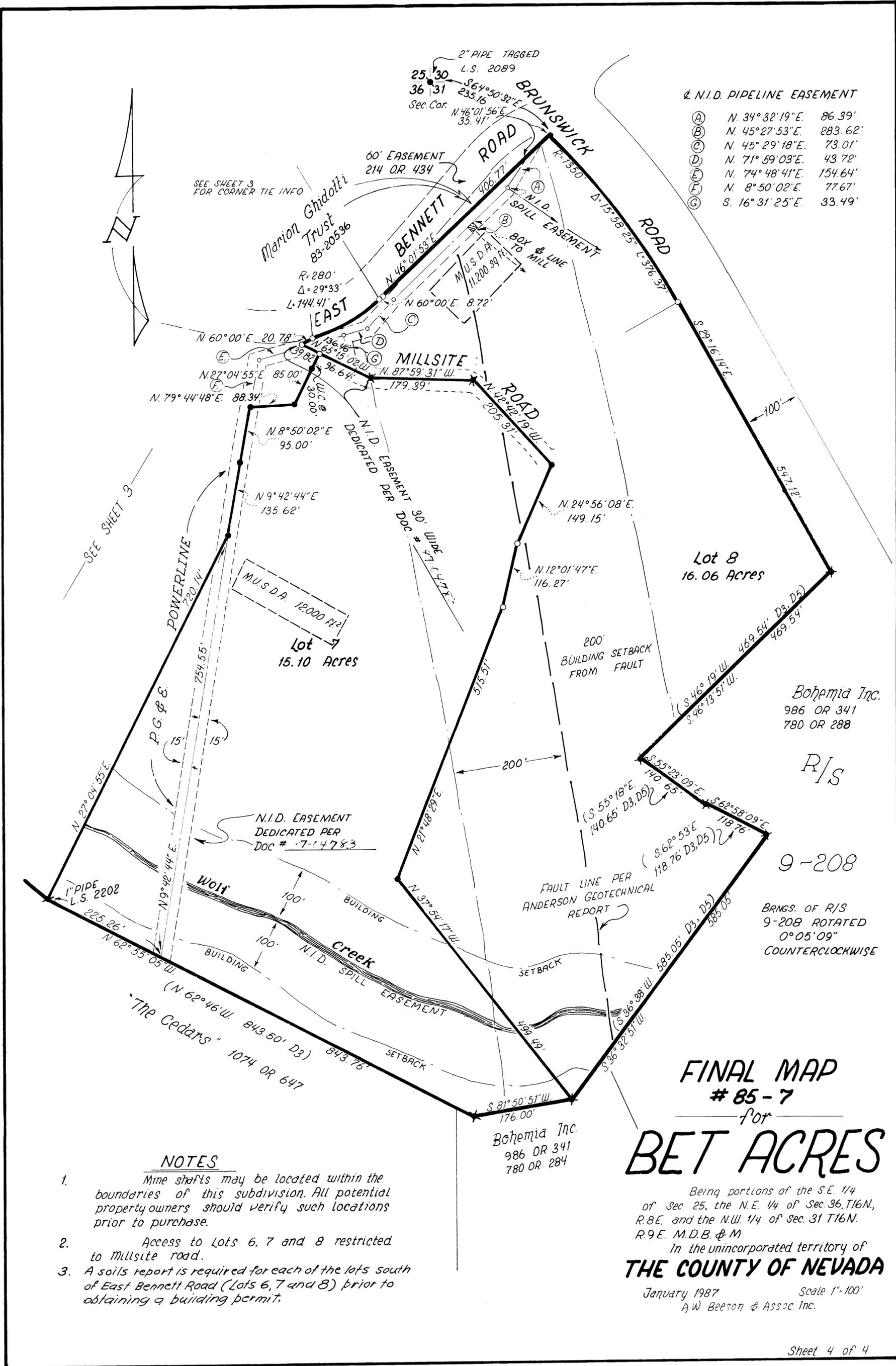
Monuments recovered along the boundary of the Bouma, Erickson and Toms Property as described in that Decree of Distribution filed as Doc. # 83-20536

DETAIL C
Scale 1" = 10'

FINAL MAP
85-7
for
BET ACRES

Being portions of the S.E. 1/4 of Sec 25, the N.E. 1/4 of Sec. 36, T.16N., R.8E., and the N.W. 1/4 of Sec. 31, T.16N., R. 9 E. M.D.B.&M.
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Jan 1987 Scale: 1" = 100'
A.W. Beeson & Assoc. Inc.



SEE SHEET 3 FOR CORNER TIE INFO

SEE SHEET 3

- NOTES**
- Mine shafts may be located within the boundaries of this subdivision. All potential property owners should verify such locations prior to purchase.
 - Access to Lots 6, 7 and 8 restricted to Millsite road.
 - A soils report is required for each of the lots south of East Bennett Road (Lots 6, 7 and 8) prior to obtaining a building permit.

FINAL MAP
85-7
for
BET ACRES

Being portions of the S.E. 1/4 of Sec. 25, the N.E. 1/4 of Sec. 36, T16N, R.8E. and the N.W. 1/4 of Sec. 31 T16N, R.9E. M.D.B. & M.
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