

AGENDA

TRI-COUNTY TECHNICAL ADVISORY COMMITTEE

Friday, October 5, 2012
10:00 A.M.

KMPUD COMMUNITY SERVICES BUILDING, LOOP ROAD, KIRKWOOD, CA

For further information on any of the agenda items, contact El Dorado County Planning Services at (530) 621-5355.

Off-agenda items must be approved by the Tri-County Technical Advisory Committee pursuant to Section 5496.5 of the Government Code.

- A. Call to Order
- B. Approve Agenda

The Tri-TAC will recess and reconvene for site visitation purposes at one or more of the site locations for Items 1, 2, and/ or 3. Following the site visits, the Tri-TAC will recess and reconvene at the KMPUD Community Services Building at approximately 11:00 a.m.

- C. Correspondence
- D.1. Minutes: March 7, 2012
- D.2. Minutes: June 1, 2012
- E. Public Matters: information items and persons wishing to address the Committee regarding non-agenda items.
- F. Mitigation Monitoring Programs: None
- G. Public Hearing Items:

ITEM 1: Request: Review and possible recommendation to Alpine County regarding a request to modify the building envelope for a proposed single-family dwelling on Lot 518 of East Meadows Subdivision Unit 2.

Applicant/Owner: David & Jayne Sungail

Engineer: Alpine Engineering Inc.

Location: 795 Columbine Circle, Kirkwood, Alpine County

Assessor's Parcel Number: 006-152-001

ITEM 2: Request: Review and possible recommendation to Alpine County regarding a request to install a meteorological monitoring station and associated 32.83 foot tower located north of the Recreation Center in satisfaction of Condition 13 of the Temporary Permit to Operate (No. 1552-01-11) for the Kirkwood Meadows PUD Powerhouse.

Applicant: Kirkwood Meadows Public Utilities District

Engineer: Air Science Technologies, Inc.

Location: Well No.2, North of the Recreation Center, Alpine County

ITEM 3: Request: Review and possible recommendation to Alpine and Amador County of the proposed Kirkwood Resort Entry Sign Package.
Applicant: Kirkwood Mountain Resort
Location: Various sign locations along Kirkwood Meadows Drive, Kirkwood Valley, Amador and Alpine Counties

H. Adjournment

**DRAFT
MINUTES
TRI-COUNTY TECHNICAL ADVISORY COMMITTEE**

March 7, 2012

MEMBERS PRESENT:	Susan Grijalva	Amador County
	Pete Maurer	El Dorado County
	Zach Wood	Alpine County

OTHERS PRESENT:	Nate Whaley	KMR
	Brian Peters	Alpine County
	Kevin Cooper	KMR
	Andrew Strain	Heavenly
	Sean McGinness	USFS
	Michael Sharp	KMPUD
	Rick Ansel	KMPUD
	Mike Richter	KMR

The March 7, 2012 meeting was called to order by chair Peter Maurer at 10:39 a.m.

A. Correspondence:

None.

B. Minutes:

Zach Wood moved to approve the minutes of September 23, 2011. Peter Maurer seconded the motion which carried 2-0.

C. Public Matters:

None.

D. Mitigation Monitoring

Mike Richter reported that the annual parking study, avalanche study, and snowmaking report will be provided to the Counties within 30 days.

ITEM 1 – Review and recommendation to the Alpine County Planning Commission of a special event permit for the Kirkwood’s Sierra Nevada Celebration Days High-Up Festival live music event on Saturday, March 24, 2012 with up to 3,000 participants. The venue is the Red Cliffs lower parking bay located east of Kirkwood Meadows Drive and north of the Red Cliffs base area in Kirkwood, CA. The event will take place between 2:00 pm and 6:00 pm with amplified music,

lighting, food and alcohol vendors, security, and medical staffing. The Red Cliffs lower parking bay will be closed for parking from March 23 through March 25. The applicant will provide parking and traffic control for day skiers, event participants, and local residents. (Applicant: Kirkwood Mountain Resort; Case File Number: 2012-02)

Kevin Cooper, KMR, described the proposed project. The event site would be the lower Red Cliffs parking bay. The event would be allowed to have up to 3,000 participants with hours for amplified music from 2 pm to 6 pm. Kevin Cooper noted the progress made on the design of the event barriers and access lanes after contact with the Alpine County Building Department and the Kirkwood Volunteer Fire Department. The alternative to the parking lot location for the event if adverse weather occurs is to hold the event at the Mont Blu casino in Stateline, NV. KMR is still working with law enforcement and the Building Department to resolve issues prior to the event. Zach Wood noted that the applicant has been making progress with review departments in Alpine County. KMR is expected to meet the conditions for the event within the short time frame before the event date. Susan Grijalva mentioned that event promoters typically notify regional hospitals prior to the event. Kevin Cooper noted that staff from Barton Hospital in South Lake Tahoe are aware of the event. Zach Wood made a motion to recommend approval of the event to the Alpine County Planning Commission with the proposed conditions of approval. Susan Grijalva seconded the motion which carried 3-0.

ITEM 2 – Discussion of the sale of Kirkwood Mountain Resort to Vail Resorts.

Nate Whaley described the sale and the assets acquired by Vail which include the USFS permit, resort dining and retail facilities, parking lots, and support services. The former entity of Kirkwood Mountain Resort will retain development parcels in East Village, Palisades, and the West Village. Andrew Strain introduced himself as the Vice President of Planning and Governmental Affairs with Heavenly Ski Resort which is owned by Vail Resorts. Mr. Strain noted that Vail is excited about the acquisition of Kirkwood. Nate Whaley and Andrew Strain noted that the mitigations in the 2003 Specific Plan will need to be performed by the new resort operator and the development entities that will result from the sale. Susan Grijalva mentioned that continuing operation of the ski resort is a high priority as the resort creates the demand for visitors and residents. Andrew Strain noted that he would be available if any of the counties would like an informational presentation at Planning Commission or Board of Supervisors meetings.

Meeting adjourned at 11:29 a.m.

Next meeting was scheduled for April 6, 2012.

**DRAFT
MINUTES
TRI-COUNTY TECHNICAL ADVISORY COMMITTEE**

June 01, 2012

MEMBERS PRESENT: Heather Anderson Amador County
Pierre Rivas El Dorado County
Zach Wood Alpine County

OTHERS PRESENT: Nate Whaley KMR
Mike Richter KMR
Andrew Strain Vail Resorts
Casey Blann Vail Resorts

- A. Call to Order:** The June 01, 2012 meeting was called to order by Chair Zach Wood at 10:05 a.m.
- B. Correspondence:** April 02, 2012 letter from the Forest Service, Placerville Ranger District regarding the proposed realignment of a section of OHV trail 14E25.
- C. Minutes:** Approval of the minutes of March 07, 2012 was continued due to a lack of a quorum of members present at that meeting.
- D. Public Matters: None**
- E. Mitigation Monitoring Program Status Update:** Pierre Rivas indicated there was an error on the agenda and Items #5 and #6 should be discussed under this status update as there was no action necessary. Mike Richter, KMR provided the committee with an update on the Mitigation Monitoring Program. He reported the Sensitive Resource Poster has been posted adjacent to the post office and at the entrances to Kirkwood Lake and Caples Lake. The 2012 Fishing Regulation Poster has also been posted adjacent to the post office and at the entrances to Kirkwood Lake and Caples Lake. Mr. Richter explained he has also provided Amador County with the Avalanche Report and the Snowmaking Noise Management Report and further indicated work is being done to complete the Street Sweeping Report.

The Committee agreed to hear Item #2, Item #3, and Item #4 first as these items pertain to Mitigation Monitoring.

F. Public Hearing Items:

Item 2- Discussion and possible acceptance of the 2011/12 Parking Analysis provided by Kirkwood Mountain Resort as proof of compliance with the 2003 Kirkwood Specific Plan Condition No. 97, Mitigation Measure No. 4.7(d).

Mike Richter explained the parking analysis was provided to the Committee for review. He explained the Specific Plan requires a minimum of 2500 parking stalls however, KMR has a total of 3,168 parking spaces 71 of which are reserved easement parking spaces which leaves a total of 3,097 parking spaces available for visitors to the resort. He indicated during this past season there were 2 days that approached the maximum but there were no serious backups on the highway or Kirkwood Meadows Drive. Zach Wood asked if there was a count taken for the *High Up Festival* in March. Mike indicated they did not take a count that day, however, there were no issues with parking as it was otherwise a low volume day. Nate Whaley indicated parking continues to be an issue at the forefront and KMR along with Vail is always looking to improve ingress/egress. Casey Blann indicated parking is a prime focus moving forward.

Item 3- Discussion and possible acceptance of the 2010/2011 Workforce Housing Audit provided by Kirkwood Mountain Resort as required by the 2003 Kirkwood Specific Plan in accordance with Conditions of Approval Nos. 127 and 154 (Mitigation Measure No. 4.10 a).

-and-

Item 4- Discussion and possible acceptance of the 2011/2012 Workforce Housing Audit provided by Kirkwood Mountain Resort as required by the 2003 Kirkwood Specific Plan in accordance with Conditions of Approval Nos. 127 and 154 (Mitigation Measure No. 4.10 a).

Mike Richter explained the Housing Audit for the last two seasons has been provided to the Committee for review. He indicated over the last two seasons employee count has been down. In addition, there has been virtually no new development at the resort, therefore, there are no new units being added. Nate Whaley indicated the lack of development over the last few years has resulted in very little change over the last two years. He explained the program approved a few years ago which allows un-used employee housing units to be utilized as transient occupancy housing has been successful. It allows the resort to rent out what would otherwise be vacant employee housing units at a lower price point. Casey Blann indicated Vail is working on developing a business plan and KMR has brought them up to speed on the employee housing requirements. Nate Whaley pointed out there was a typo in the description for either Item 3 or Item 4 as one referenced Condition 154 and one referenced Condition 155. Heather Anderson indicated Item 4 should be corrected to reference Condition 154.

Item 1- Request: Review and Possible Approval of modification of the building envelope established for Lot 205 of East Meadows #1 and allow 12 square feet of building envelope to be traded and relocated to permit construction of exterior stairs from a deck to ground level for improved access.

Applicant: Andrew and Tina Coleman

Agent: Frank Whatford- Whatford Construction, Inc.

Location: 284 East Meadows Drive, Kirkwood, Alpine County, CA

Zach Wood introduced the item. He indicated the Building Official has reviewed the plans and they are ready to go pending TC-TAC approval. Mr. Wood also explained they had provided the Forest Service with the proposed colors and materials, however, they have not heard anything back. Since this is not a visually sensitive lot and the colors and materials being proposed are the

same as the exiting deck, Alpine County is okay moving forward with approval. The East Meadows Home Owners Association (HOA) has indicated they are done their architectural review of the plans and have indicated they don't see any problems; however, Mr. Wood indicated he is still awaiting a formal approval from the HOA. Alpine County believes the reasoning behind the modification is acceptable as the stairway provides additional emergency access, the deck itself fits within the building envelope however the stairs trigger the need for the modification, it is consistent with the Specific Plan with regard to architectural and visual impacts, and it falls within the thresholds of a minor building envelope amendment which can be approved by TC-TAC.

Committee Chair opened the public hearing. There was no public comment.

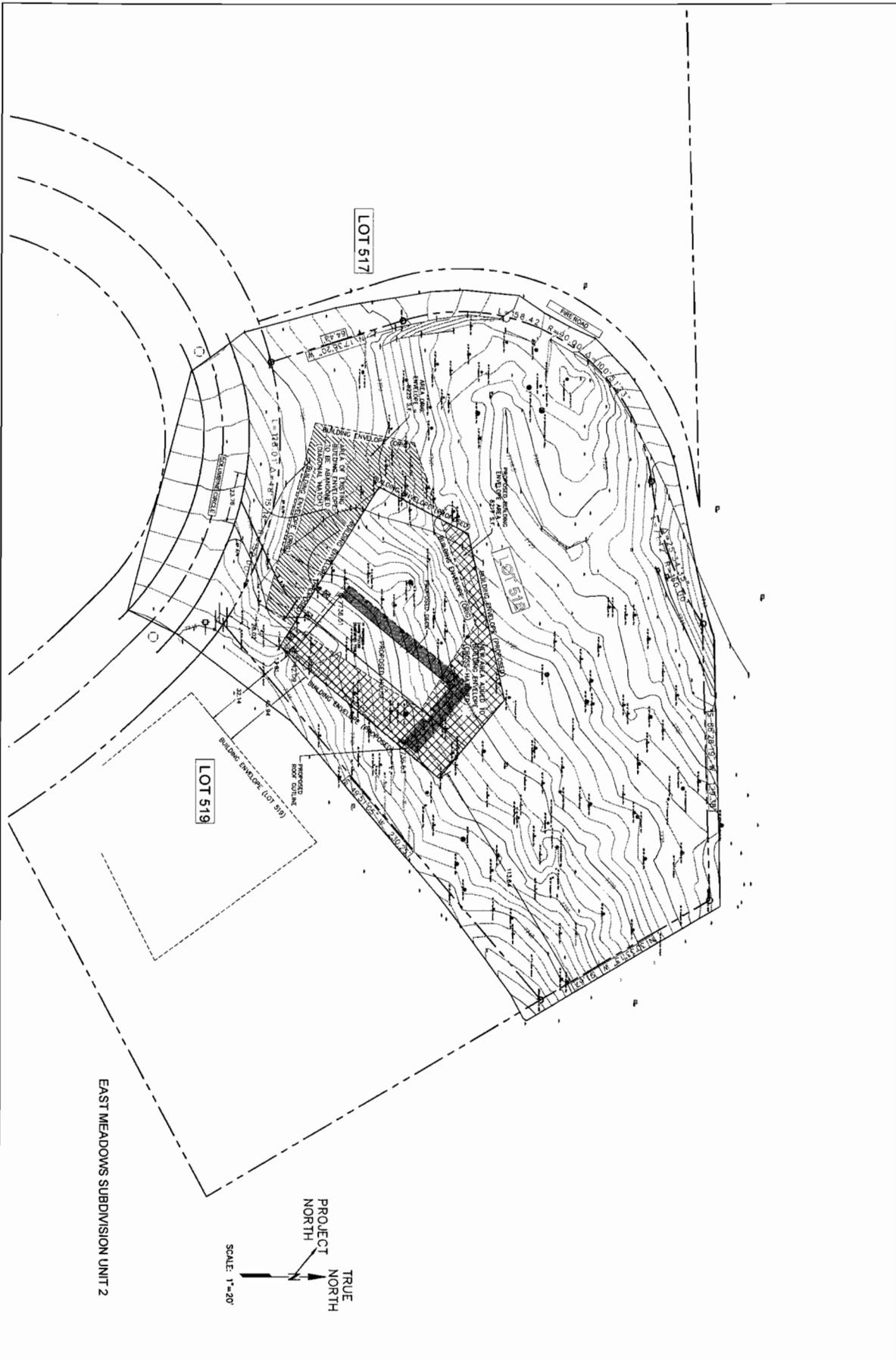
It was moved by Zach Wood, seconded by Pierre Rivas and unanimously carried to approve the building envelope modification for 284 East Meadows Drive, Kirkwood, for a new deck and stairs modifying the building envelope 12 square feet with the following findings and a condition that the East Meadows HOA must provide approval of the plans prior to building permit issuance:

- 1) The modification is consistent with the 2003 Kirkwood Specific Plan;*
- 2) The majority of the proposed deck fits within the building envelope but the necessary stairs to access the deck require the modification; and*
- 3) The modification falls within the thresholds of a minor amendment.*

Meeting adjourned at 10:50 a.m.

Next meeting scheduled for July 06, 2012.

ITEM 1



SUNGAIL RESIDENCE
 DAVID SUNGAIL
 EAST MEADOWS SUBDIVISION, UNIT 2
 LOT 518, KIRKWOOD, CA

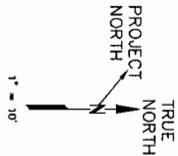
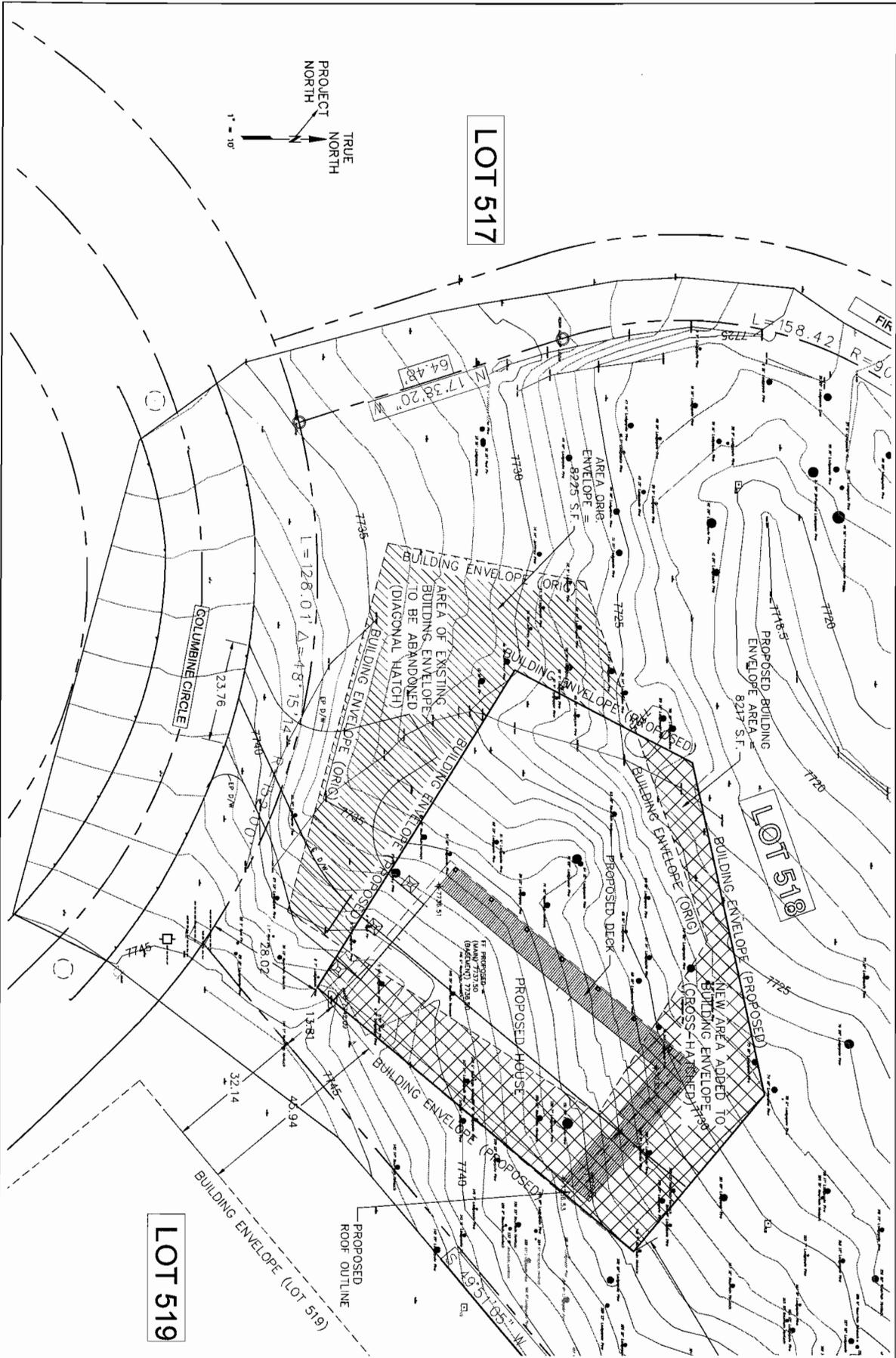
DATE: 9/18/12
 DRAWN BY: KPL
 CHECKED BY: KPL
 DATE: 2011-12

C1

SITE PLAN
 OVERALL

ALPEN ENGINEERING INC.
 CIVIL * STRUCTURAL * LOG * TIMBER FRAME * GREEN BUILDING
 P.O. BOX 6
 TRUCKEE - CALIFORNIA 96160
 (530) 582-9593
 PALL@ALPENENGINEERING.COM

REVISIONS	BT



LOT 517

LOT 519

LOT 518

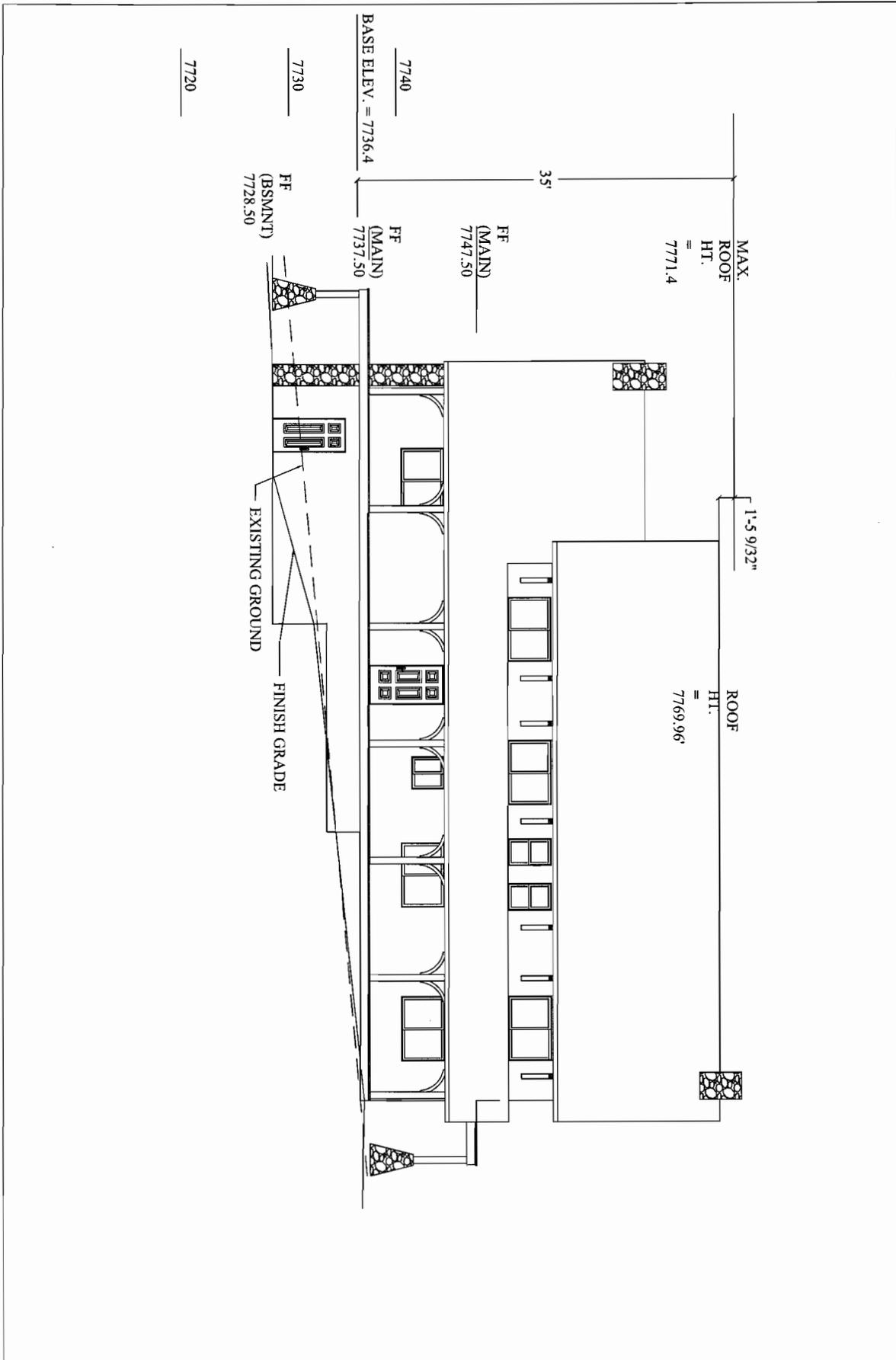
SUNGAIL RESIDENCE
 DAVID SUNGAIL
 EAST MEADOWS SUBDIVISION, UNIT 2
 LOT 518, KIRKWOOD, CA

DATE: 9/18/12
 SCALE: AS NOTED
 DRAWN BY: P/P
 YEAR: 2011-12
 02

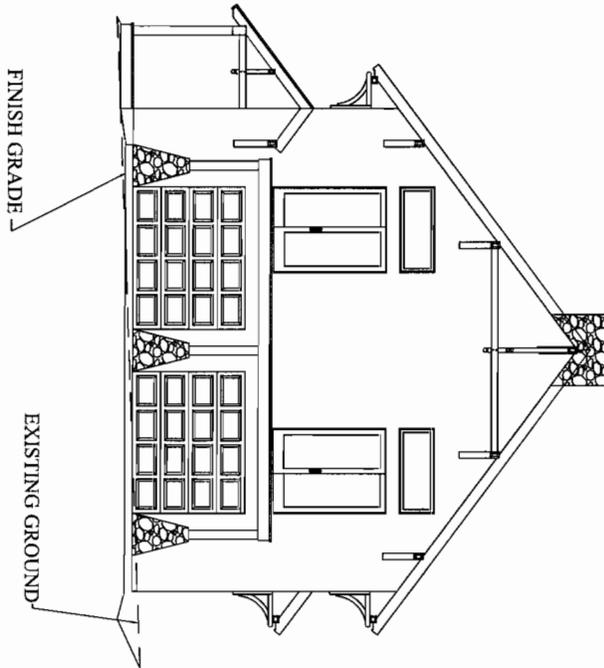
SITE PLAN

ALPEN ENGINEERING INC.
 CIVIL • STRUCTURAL • LOG • TIMBER FRAME • GREEN BUILDING
 P.O. BOX 6
 TRUCKEE, CALIFORNIA 96160
 (530) 582-9593
 PAUL@ALPENENGINEERING.COM

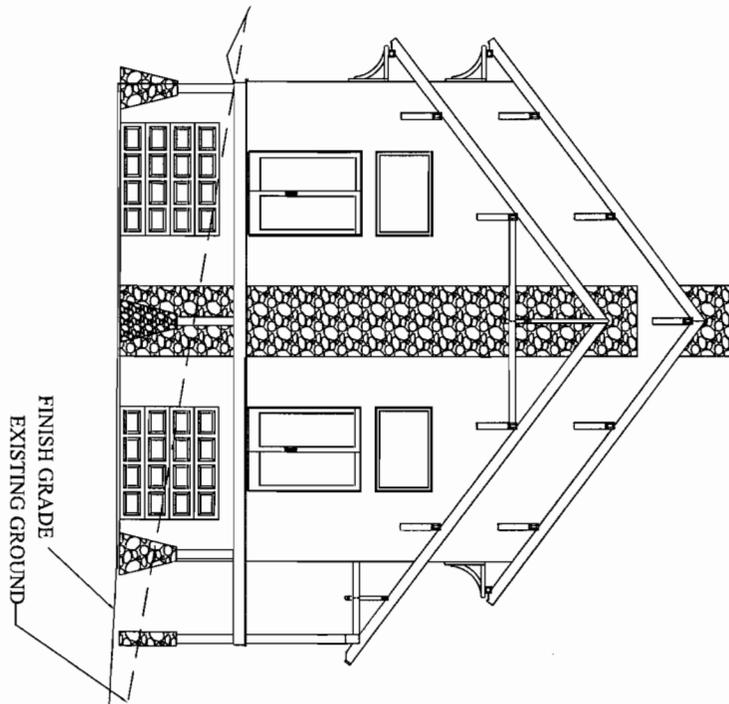
REVISIONS
 1/1



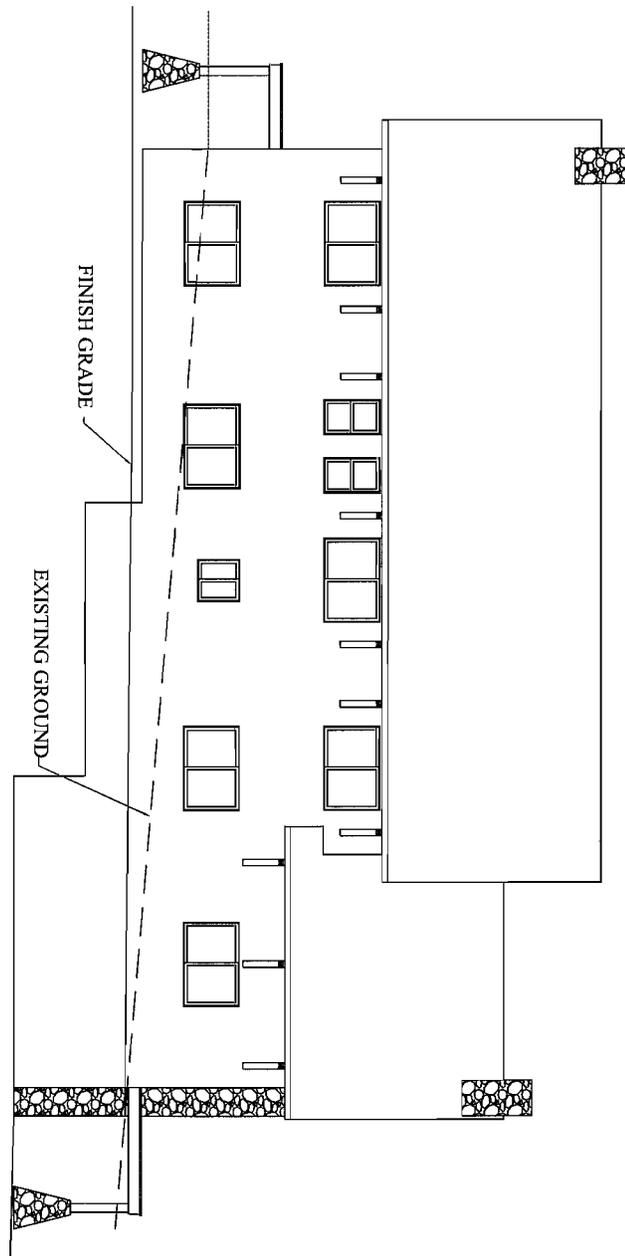
PROJECT:	CUSTOMER:	DATE: 07/08/12	REV. #	DESCRIPTION:	ELEVATION #A	SCALE 1/8" = 1'
795 COLUMBINE CIRCLE	DAVID & JAYNE SUNGAIL	NORTH SIDE ELEVATION			SUNGAIL DESIGNS CA. LIC. #976183 TEL. (650) 367-9785 CELL (650) 575-6952 FAX. (650) 306-7871	DRAWN BY D.K.S.



PROJECT:	CUSTOMER:	DATE: 07/08/12	REV. #	DESCRIPTION:	ELEVATION #B	SCALE 1/8" = 1'
795 COLUMBINE CIRCLE	DAVID & JAYNE SUNGAIL	WEST SIDE ELEVATION			SUNGAIL DESIGNS CA. LIC. #876183 TEL. (650) 367-9785 CELL. (650) 575-6952 FAX. (650) 306-7871	DRAWN BY D.K.S.



PROJECT:	CUSTOMER:	DATE: 07/08/12	REV. #	DESCRIPTION:	ELEVATION #C	SCALE 1/8" = 1'
795 COLUMBINE CIRCLE	DAVID & JAYNE SUNGAIL	EAST SIDE ELEVATION			SUNGAIL DESIGNS CA. LIC. #876183 TEL. (650) 367-9785 CELL. (650) 575-6952 FAX. (650) 306-7871	DRAWN BY D.K.S.



PROJECT:	CUSTOMER:	DATE: 07/08/12	REV. #	DESCRIPTION:	ELEVATION #D	SCALE 1/8" = 1'
795 COLUMBINE CIRCLE	DAVID & JAYNE SUNGAIL	SOUTH SIDE ELEVATION			SUNGAIL DESIGNS CA. LLC. #876183 TEL. (650) 367-9785 CELL (650) 575-6952 FAX. (650) 306-7871	DRAWN BY D.K.S.

ITEM 2

Conditional Approval for TPO № 1552-02-12

Kirkwood Meadows PUD Powerhouse, Kirkwood, CA

Vehicle Fuel found in Title 13, CCR (13 CCR) §§ 2281. The amount of sulfur dioxide exhausted to the atmosphere shall not exceed 0.2% by volume. The permittee shall keep records of the composition of purchased fuel. [District Rules 210 and 416; 17 CCR § 93115.5(a)(1)]

10) Fuel and Ammonia Injection Rate Monitoring

The fuel flow shall be metered to determine total fuel usage among all the diesel engines and an ammonia metering system to determine the injection rate on an hourly basis. These rates shall be recorded by the CEMS, maintained at the control room and made available to District staff monthly or upon request. These records shall be kept for a period of two years. [District Rules 403 & 206]

11) Ammonia Storage and SCR Slip Rate

The applicant shall keep a sufficient supply of 19% aqueous ammonia in the 12,000-gallon tank to allow for continuous SCR system operation. If another reagent other than aqueous ammonia is chosen for use as the reaction medium, the APCO shall review the request and give written approval prior to its use. Ammonia escaping from the SCR (slip rate) shall not exceed 50 ppmv corrected to 15% oxygen. [District Rules 210.A]

12) Breakdown (or Emergency) Reporting & Operating Under Breakdown Conditions

The permittee shall comply with the breakdown requirements of District Rule 403 (Breakdown), which shall include notifying the Air Pollution Control Officer of a breakdown condition within an hour of detection, unless it can be demonstrated that a longer reporting period is necessary -- not to exceed two (2) days. Notification shall identify the time, location, equipment involved, and to the extent possible the cause of the breakdown and steps taken to correct the breakdown condition. Within one (1) week after the breakdown occurrence, the permittee shall submit a written report to the Air Pollution Control Officer which includes: date of correction of the breakdown, determination of the cause of the breakdown, corrective measures to prevent a recurrence, an estimate of the emissions caused by the breakdown condition, and pictures of the failed equipment, if available. Breakdown conditions shall not persist longer than 24 hours or the end of the production run, whichever is sooner, except for continuous monitoring equipment, for which the period shall be ninety-six (96) hours, unless the permittee obtains an Emergency Variance pursuant to District Rule 617. [District Rule 403]

13) Meteorological Monitoring Station.

A meteorology monitoring network shall be installed near the new powerhouse building. Measured parameters shall include wind speed, direction, precipitation (with line-powered heated gauge) and temperature. All data shall be stored on an electronic acquisition & retrieval system permitting District surveillance by means of a telephone modem connection. The District shall consider all data retrieved by this means as preliminary. The hourly data in final quality assured form shall be presented to the District on digital disc on a quarterly schedule. Instrumentation, operating procedures, quality assurance along with the data handling procedures shall be subject to APCO approval. Meteorological monitoring equipment shall be kept in good operating condition through a program of maintenance and calibration practices according to the manufacturer's recommendations and the procedures outlined in the EPA document Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), Publication m. EPA-450/4-87-007. Calibration and maintenance records shall be logged at powerhouse building and made available to GBUAPCD staff upon request. [District Rule 210]

Theodore D. Schade
Control Officer



GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT

157 Short St. - Bishop, CA 93514
(760) 872-8211, Fax (760) 872-6109

July 27, 2012

Ms. Brandi Fichtner
Kirkwood Meadows Public Utilities District
P. O. Box 247
Kirkwood, California 95646

Re: Location of Meteorological Monitoring Station in Fulfillment of Temporary Permit to Operate Number 1552-01-11, Condition 13

Dear Ms. Fichtner:

Thank you for the opportunity to meet with you and Mr. Michael Sharp regarding the location of the Kirkwood meteorological monitoring station. Contained in this letter is an assessment of the locations visited by you, Guy Davis and me on July 26, 2012. Our assessment of the sites and our recommendations are presented below. The assessments are presented in order from most highly recommended to least recommended.

1) Well No. 2, North of the Recreation Center

This site is the best of the four locations examined during our visit. This site fully complies with all of the EPA criteria for the location of a meteorological monitoring station. It has a clear, unobstructed path from all directions and could characterize the wind regime for the entire meadow area. There is line power available in the well house immediately adjacent to the site. This site is highly recommended without reservation.

2) East Edge of the KMPUD Compound

This site initially appeared to be a reasonable alternative to the Well No. 2 location. It does have a significant number of trees to the west that could adversely influence meteorological measurements in the area. There are also two trees in the north-northeast direction of the site that could interfere with the air flow in the vicinity of the site. We found, looking back over some pictures taken of this same area during our 2007-2008 winter wood smoke study, that there is a lot of vehicular traffic, evidenced by snow mobile or Sno-Cat tracks, just east of the A-frame structure where the tower would be located. These are also noted on the Google Earth image of this area. It is quite possible that guy wires that would be necessary to stabilize the tower could be struck by vehicles so close to the site. This site is conditionally recommended with the caveat that the vehicular traffic in the area be addressed prior to installation.

3) Timber Creek Parking Area

Although the Timber Creek Parking Area location provides some good exposure for the meteorological sensors, there is no line power available. Additionally, the activity of snow removal equipment in the parking lot areas during the winter season is cause for concern. This site is not recommended.

4) East of the KMPUD Power Station

This site is located on the hill up behind the power station. Access to the site is difficult and there are a number of trees in the area that would interfere with the air flow to the meteorological station. The site could also be adversely affected by the close proximity of the power station itself. This site is not recommended.

We have found in subsequent research, that the tower can be ordered in a custom color. We would be happy to offer input as to what colors may work best for the KMPUD tower. We are also considering an alternative meteorological tower based on location and snow load issues, if the specified tower has not yet been purchased. We have concerns about the depth of the snow that will likely surround the tower during the winter season and the alternative tower we are considering folds in the middle to tilt over for service access. The installation of this tower also requires less concrete. We would like to discuss this possible change with you sometime during the week of August 6. This change, should we agree to it, will in no way affect the siting or location of the tower and so will not affect the recommendations contained in this letter.

If you have any further questions regarding the District's recommendations, please do not hesitate to contact me at extension 235 at the number above. Thank you.

Sincerely,



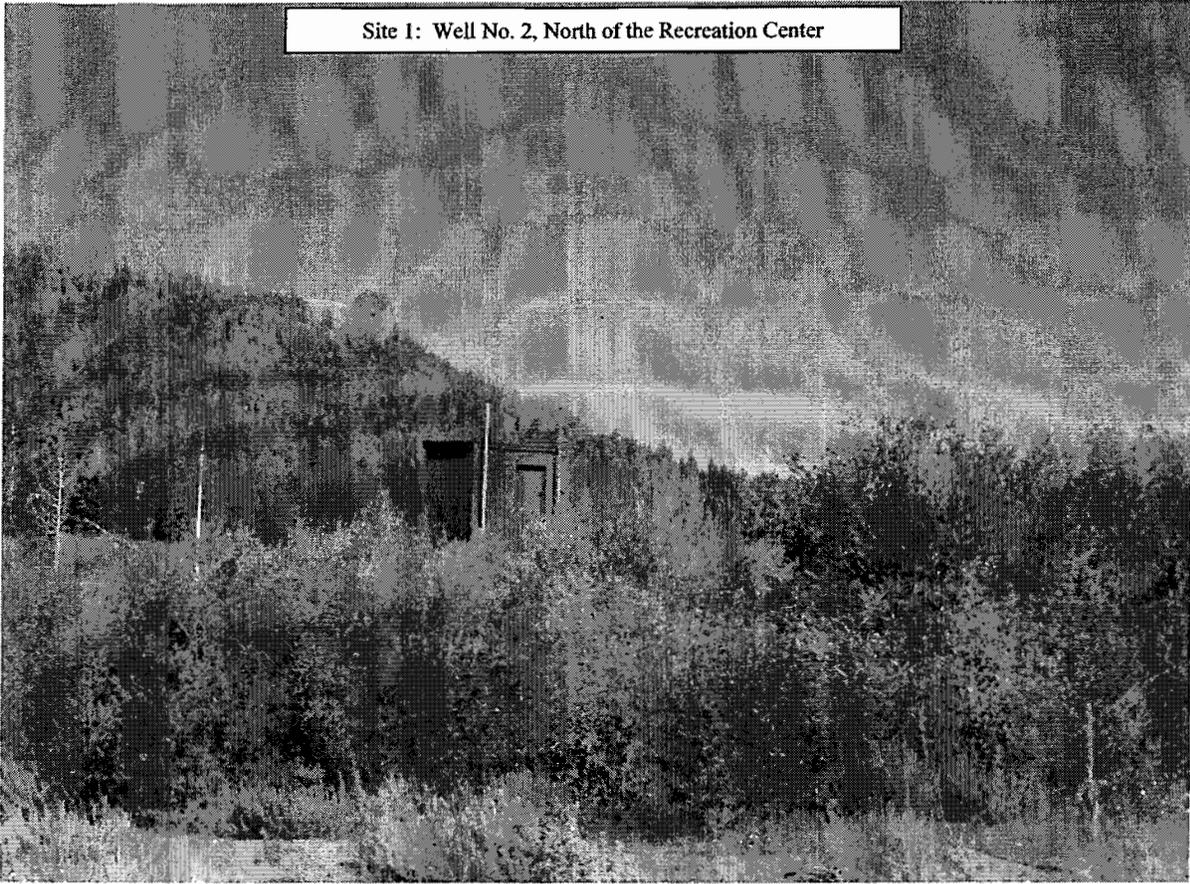
Christopher Lanane
Air Monitoring Specialist

CL:cl

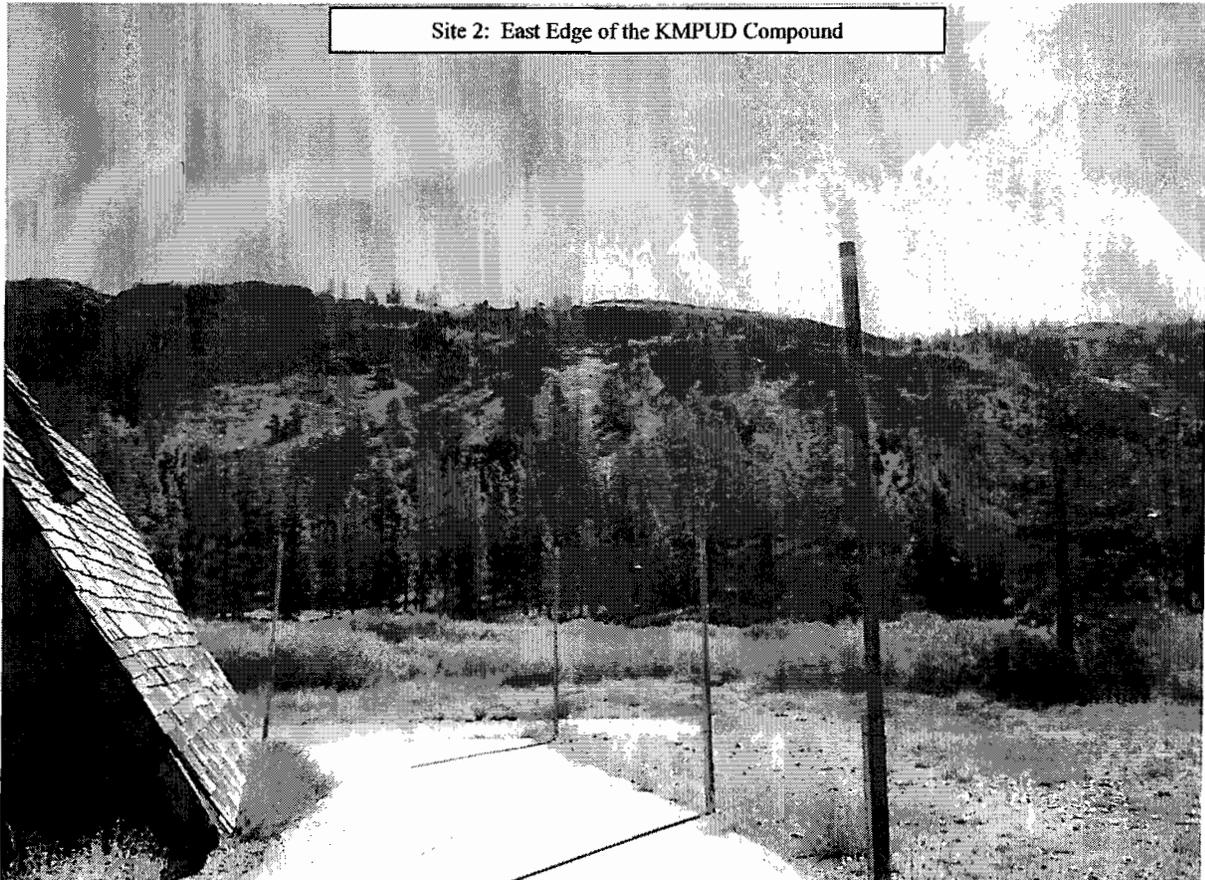
Enclosures

cc: Mr. Michael Sharp, KMPUD
Mr. Ted Schade, GBUAPCD
Mr. Duane Ono, GBUAPCD
Mr. Guy Davis, GBUAPCD

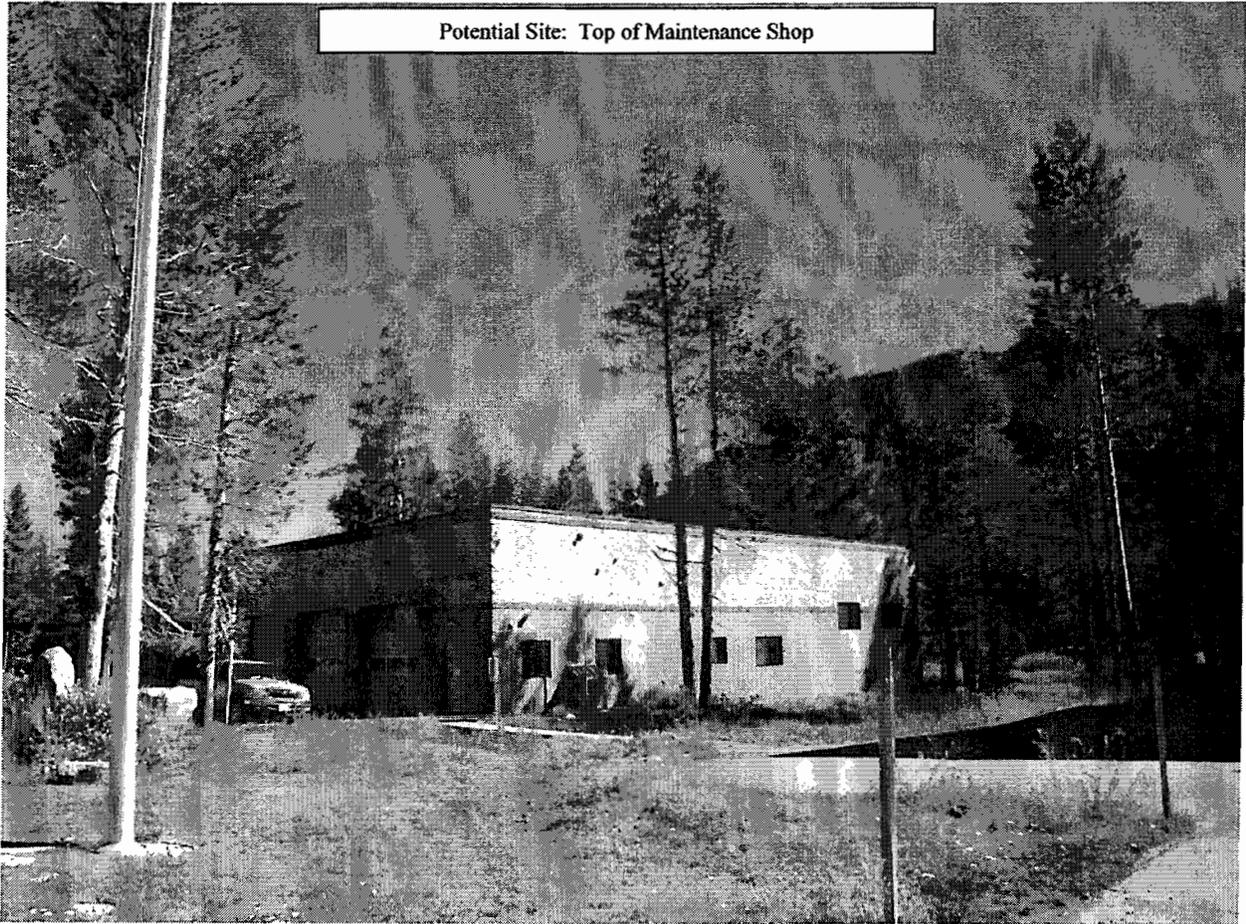
Site 1: Well No. 2, North of the Recreation Center



Site 2: East Edge of the KMPUD Compound



Potential Site: Top of Maintenance Shop



Air Science Technologies, Inc.
247 Rodeo Avenue
Rodeo CA 94572

July 12, 2012

Mrs. Brandi Fichtner
KMPUD
P.O. Box 247
Kirkwood, CA 95646
(925) 595-6932

Subject: Revised Proposal for Meteorological Station Installation

Dear Mrs. Fichtner:

Air Science Technologies, Inc. (AST) is pleased to submit this revised proposal to Kirkwood Meadows Public Utility District (KMPUD) to install a Meteorological (MET) station at your facility in Kirkwood, California. This proposal has been revised in response to the district requirements and subsequent conversations. The purpose of the Meteorological station is to comply with the requirements required by Great Basin Unified Air Pollution Control District, (Great Basin).

SCOPE OF WORK

AST will provide the labor and materials to install a MET station. The MET station will be monitoring Temperature, Wind Speed (WS), Wind Direction (WD) and Precipitation in accordance with Environmental Protection Agency (EPA) methodologies.

The station will be comprise of a single 10 meter tower, mounting hard-ware for the equipment and sensors, measuring sensors, modem, solar panel power back-up, battery, data-logger, data-logger data storage and the system programming. AST will calibrate the measuring sensors before placing the station into operation.

KMPUD is to provide the following:

- An area to park the AST Vehicle no more than 50 feet from the station location.
- A safe work area providing access to the station including any permits required for entry, work, or safety. If a man-lift is required it should be provided by KMPUD.
- KMPUD is to provide 120VAC, 15A electrical power to the station location.
- Construction of the station base, which require a 36 inch by 36 inch cement pad to be poured to a minimum depth of 48 inch or more due to frost.

Air Science Technologies, Inc.

PRICE

AST will provide the work outlined in the scope of work to install and initiate the operation of the MET station for the firm fixed price of **\$15,595**.

The price for the project will not exceed the final agreed upon price unless changes to the scope of work are incurred or for circumstance beyond the control of AST.

Should changes in scope (i.e. out of scope, standby time, and remobilization) become necessary, changes of scope will be invoiced at \$250 per hour.

TERMS AND CONDITIONS

Air Science Technologies, Inc is committed to the on time completion of this project within the specified cost. If this proposal is acceptable, please sign below, return a copy and provide a purchase order so we proceed with planning and purchasing. This quotation is valid until December 31, 2012. The final invoice will be billed net 30 days. Should you have any questions, please feel free to call me at my office (510) 799-4638 or on my mobile at (510) 377-4407.

Sincerely,

Dennis Tackett



Agreed

KMPUD

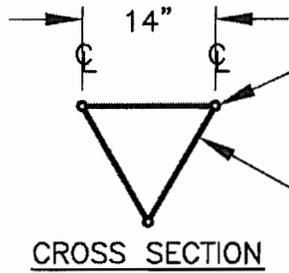
Name

Date

KMPUD Met

Item	Manufacture	Vender	Model
Data Logger	Campbell Scientific	Campbell Scientific	Cr1000
Power Supply	Campbell Scientific	Campbell Scientific	PS100-12v w/7ah sealed batt
Wall Charger	Campbell Scientific	Campbell Scientific	9591
20w Solar Panel	Campbell Scientific	Campbell Scientific	SP-10
Card Reader	Campbell Scientific	Campbell Scientific	CFM-100
2Gig Compact Flash Cards	Campbell Scientific	Campbell Scientific	CFMC2g
Data Logger Programming		Western Weather Group	
Cell Phone Modem	Raven	Campbell Scientific	XTV Verizon
Mount	Campbell Scientific	Campbell Scientific	14394
Antenna Cable	Campbell Scientific	Campbell Scientific	21847
Antenna Directional 96db	Campbell Scientific	Campbell Scientific	10530
Software	Campbell Scientific	Campbell Scientific	Loggernet
Wind Speed / Wind Direction	RM Young	RM Young	05103-45 Alpine Wind
Cable 22AWG 3 pair Shielded	RM Young	RM Young	35feet
Vane Alignment Rod	RM Young	RM Young	18301
Temperature	RM Young	Campbell Scientific	43347-L35
Cable for Sensor	RM Young	RM Young	Temp Cable 35ft
Radiation Shield	RM Young	RM Young	43347
Hex Plug	RM Young	RM Young	Hex Plug for 43347
Precipitation	RM Young	RM Young	52202L Heated Rain Gauge AC power
Cable	RM Young	RM Young	2 Cond cable for power 15ft
Cable	RM Young	RM Young	2 Cond cable for signal 15ft
Right Angle Mounting Kit	RM Young	RM Young	CM220
Sensor Crossarm Kit	RM Young	RM Young	Cm204
Aluminum Pipe for Sensor	RM Young	RM Young	IPS
16x18 Enclosure	Campbell Scientific	Campbell Scientific	ENC16/18-ES-5B-TM
Tower	Alluma Tower, Inc	Alluma Tower, Inc	M-10M-PTGIN

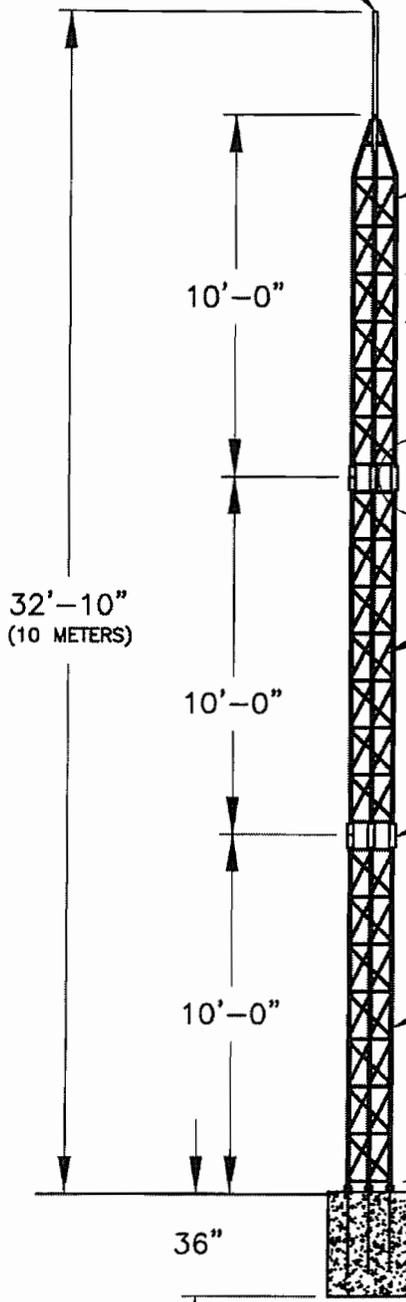
#M790 MAST
1" SCH 40 PIPE
x 60" LG.



1" OD x 1/8 WALL
ROUND TUBE
6061-T6 ALUMINUM

5/16 SOLID ROUND ROD
6063-T5 ALUMINUM

CROSS SECTION



#M1244 TOP SECTION.

10'-0"

16"



1/4-20 x 1 3/4 HHCS
W/NYLON INSERT
LOCK NUT 18-8 ST.STL
TYP. ALL SLEEVES.

#M791 JOINING SLEEVE (3)

#M1243 STANDARD 10 FT. SECTION.

32'-10"
(10 METERS)

10'-0"

#M791 JOINING SLEEVE (3)

#M1243 STANDARD 10 FT. SECTION.

10'-0"

#M787 TOWER TILT BASE
CEMENTED DIRECTLY INTO
CONCRETE PAD.

36"

24" x 24" x 36" PAD
(1/2 CU. YD. CONCRETE APPROX.)

APPROX. TOWER WT. 56#

ALUMA TOWER CO. INC.

VERO BEACH, FL 32960

**M-10MPT TOWER x 10 METER
W/M-787 TILT BASE**

ALL DIMENSIONS ARE IN INCHES AND FRACTIONS, UNLESS OTHERWISE SHOWN.

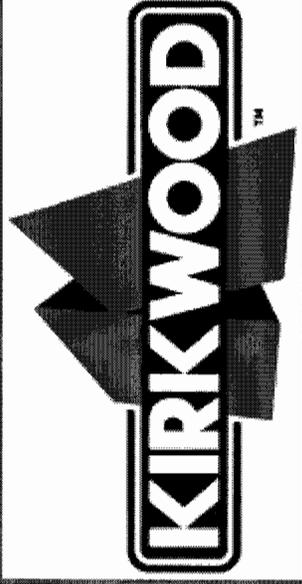
THIS DRAWING IS THE PROPERTY OF ALUMA TOWER CO. INC. ANY DUPLICATION OTHER THAN ITS EXPRESSED PURPOSE, REUSE, MODIFICATION OR PLAGIARISM OF ANY PART OF THIS DOCUMENT IS PROHIBITED. VIOLATORS WILL BE PROSECUTED UNDER FLORIDA STATE STATUTES. DO NOT SCALE DRAWING.

REV.	DATE	DESCRIPTION	BY
H	3-12-10	ADDED MATERIAL SIZES TO CROSS SECTION	H.C.
G	7-13-07	ADDED TOWER WIDTH DIMENSION AND RUNG DIMENSION	H.C.
F	7-20-06	CHANGED TITLE FROM 30'	C.D.
E	6-5-06	UPDATED TO CONTINUOUS RUNG	C.D.
D	8-14-01	REMOVED MAST NAME	RT
C	4-24-01	NAME WAS M-10M	RT

DRWN BY: M.R.T.	SCALE: FULL
DGN BY: R.T.	DATE: 6-26-97
CKD BY: R.T.	APP'D

DRWG. NO.
QS-1016
REV. H

ITEM 3



Proposed Resort Entry Signage Casey Blann

Purpose

To create a more efficient and safer
ingress to all entering Kirkwood Valley
for the first time.

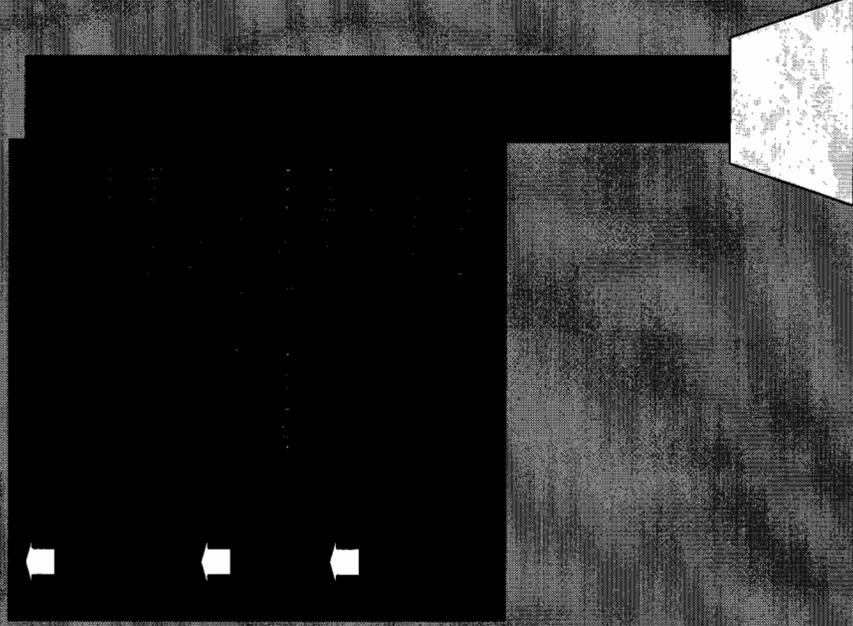
Need

Current signage is inadequate in both quantity as well as descriptive information.

Lack of repetition of information causes uncertainty and confusion.

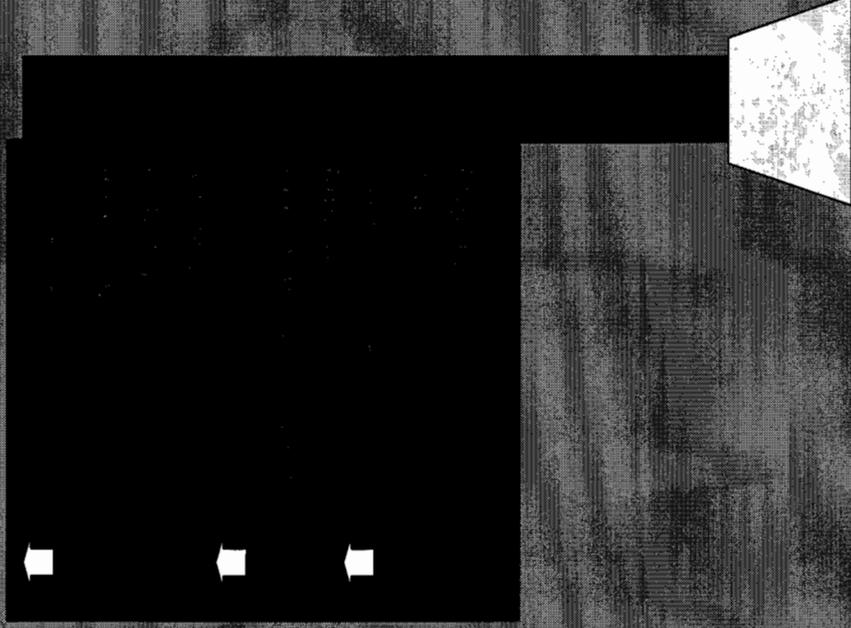
There is a need for a more simplistic approach for signage.

Entrance Sign



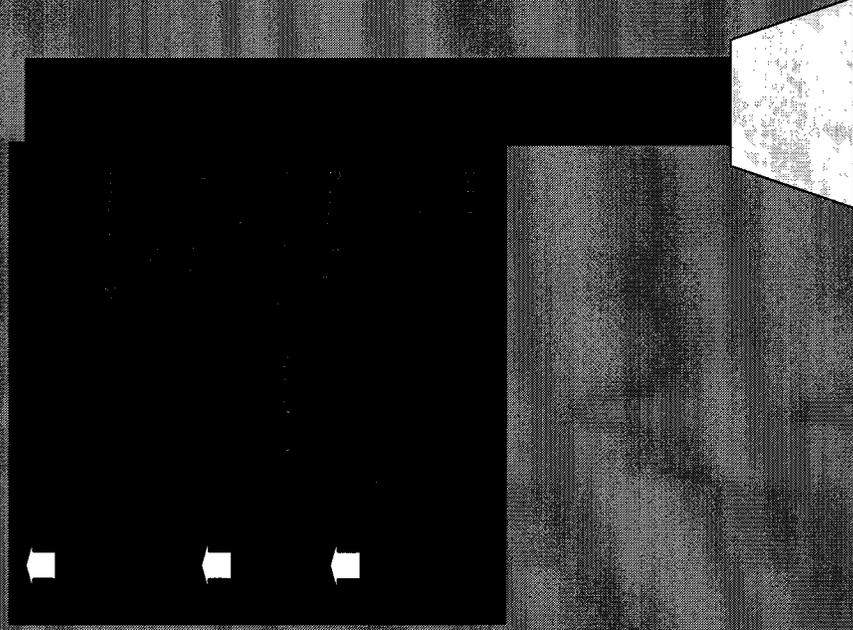
Location: Current position of the Welcome sign.

Second Sign



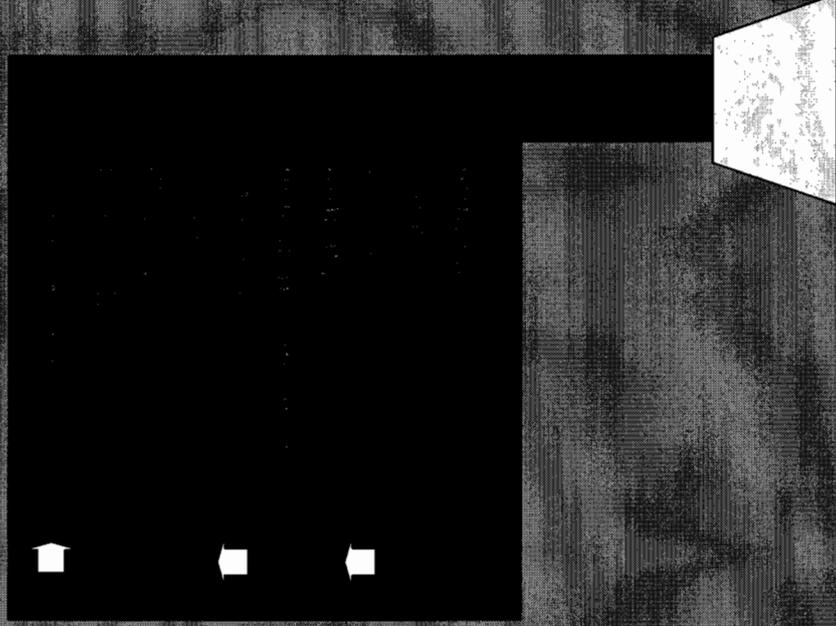
Location: Right hand side of Kirkwood Meadows Drive right after Fremont Road.

Third Sign



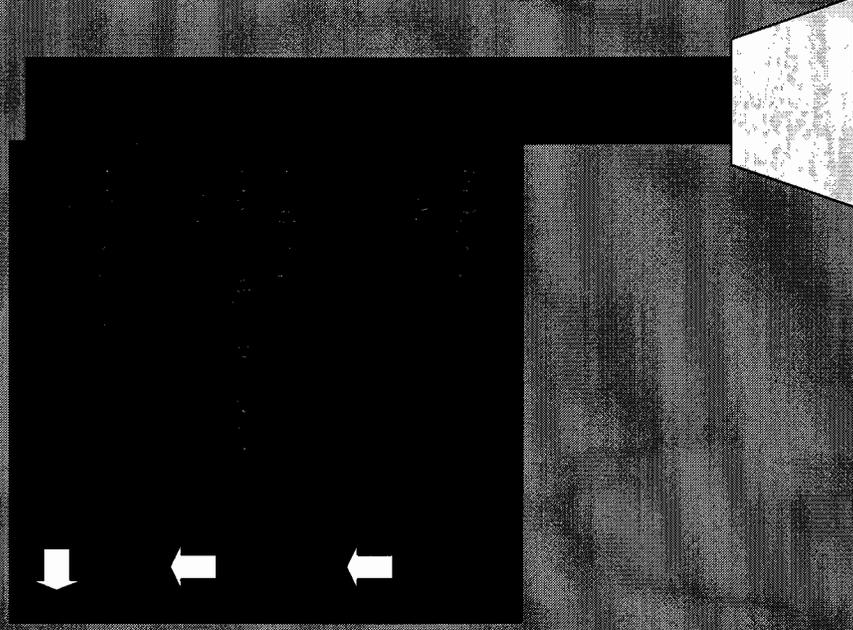
Location: Right hand side of Kirkwood Meadows Drive right after Hawkweed Way.

Timbercreek Sign



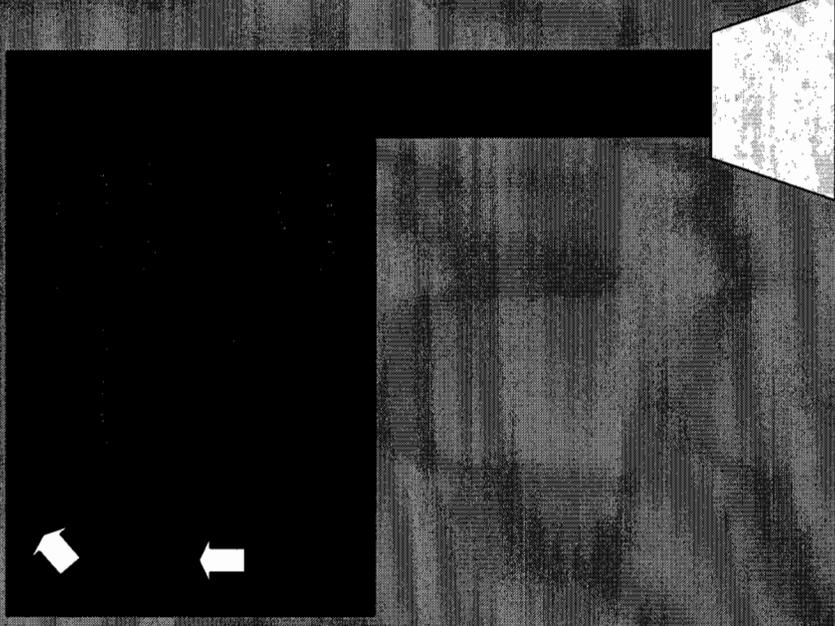
Location: Right hand side of Kirkwood Meadows Drive right at Sentinels Way.

Timbercreek to Village and Red Cliffs Sign



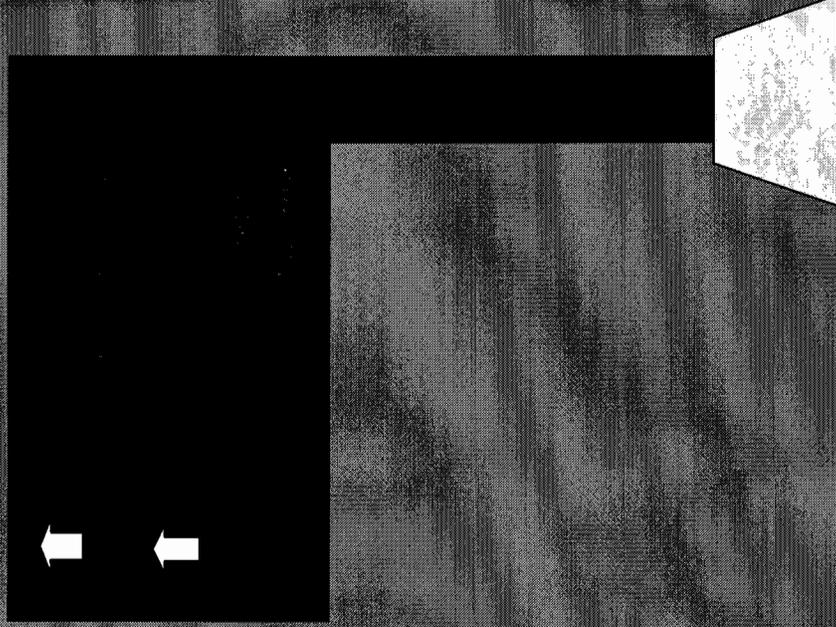
Location: Right hand side of Kirkwood Meadows Drive across the street from Loop Road.

The Village Sign



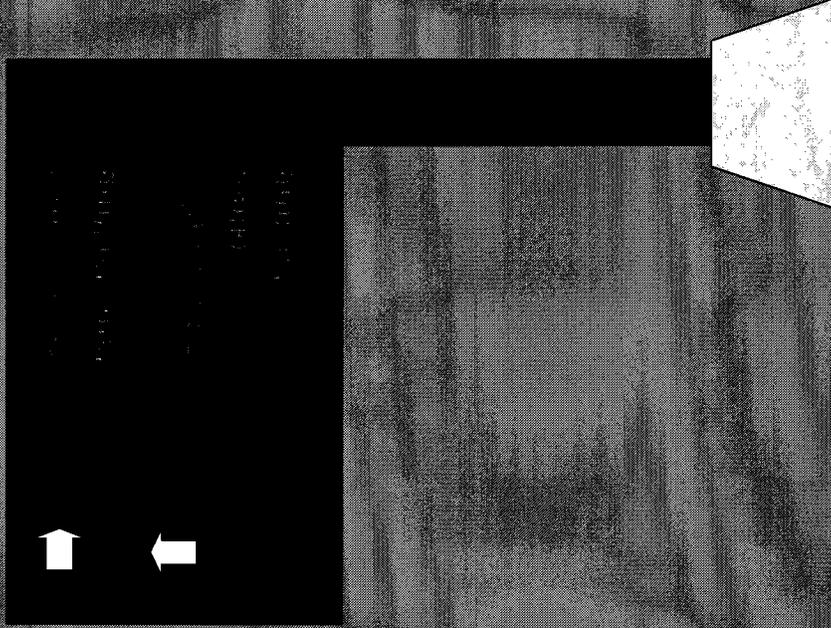
Location: Right hand side of Kirkwood Meadows Drive and Palisades Drive

The Village to Red Cliffs Sign



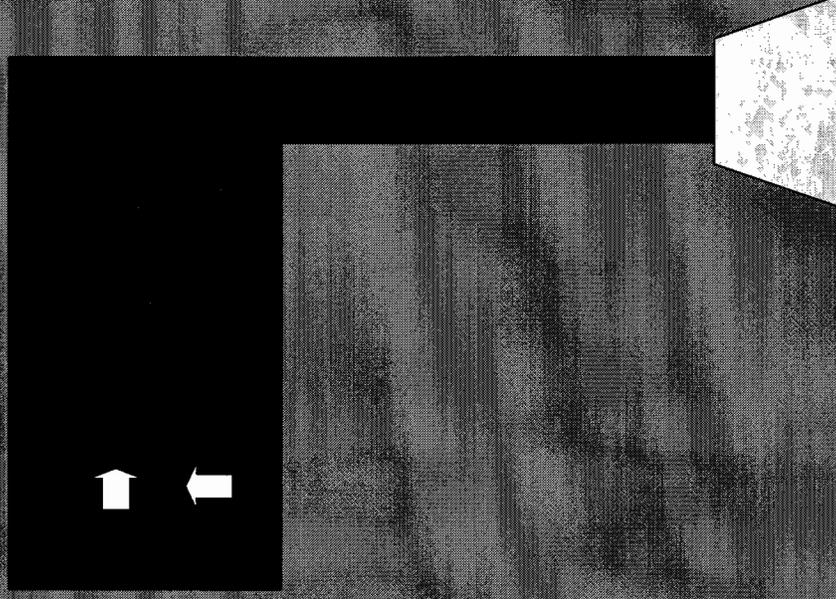
Location: Right hand side of Kirkwood Meadows Drive in front of The Lodge.

Paid Parking Sign



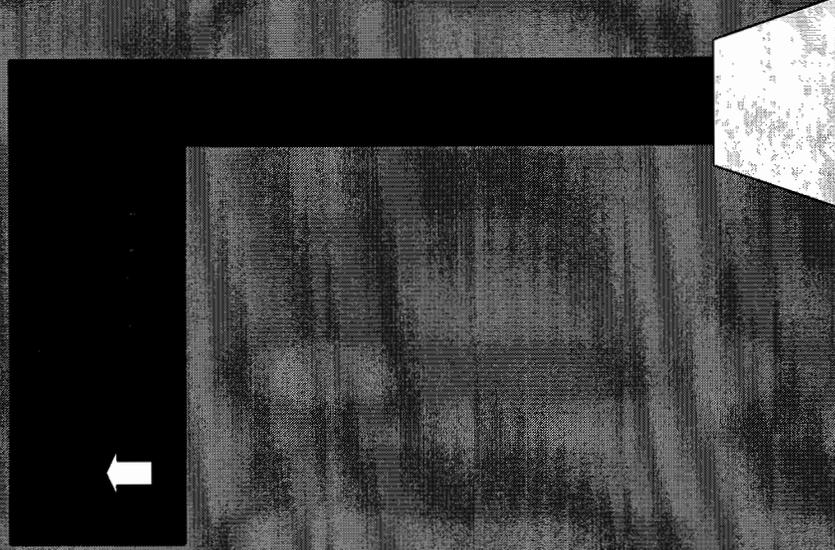
Location: Right hand side of Kirkwood Meadows Drive after The Lodge.

Red Cliffs Lodge Sign



Location: Right hand side of Kirkwood Meadows Drive after The Lodge.

Red Cliffs Free Parking Sign



Location: Right hand side of Kirkwood Meadows Drive just after The Lodge entrance.