

Matt Jedra

From: Lauren Barker [lauren@cstonecontracting.com]
Sent: Friday, February 15, 2008 4:25 PM
To: 'Matt Jedra'
Subject: RE: Davis WMP Data Form
Attachments: Davis - Site Plan.pdf

Here's our site plan. The leach field will move a little bit- "The septic field must be located a minimum of 20' north of the drainage area and a minimum distance of 50' from the centerline of the riparian corridor that exists to the west of the lot," (per the SPR), but Scott, Cox, and Assoc. didn't feel it was necessary to redo the site plan for this. I'm honestly not sure how we determine exactly where the well, propane, and cistern will be located. Can you give me an clues? Thanks.

Lauren Barker

3229 Whitst
 Bulch 80301

From: Matt Jedra [mailto:mjedra@lamar.colostate.edu]
Sent: Wednesday, February 13, 2008 8:08 AM
To: 'Lauren Barker'
Subject: RE: Davis WMP Data Form

Thanks Lauren...I need a map of the site showing the location of the well, leach field, propane, cistern, etc...
 Thanks

Matthew Jedra
 Forester - Boulder District
 Colorado State Forest Service
 5625 Ute Highway
 Longmont, CO 80503
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From: Lauren Barker [mailto:lauren@cstonecontracting.com]
Sent: Tuesday, February 12, 2008 3:36 PM
To: 'Matt Jedra'
Subject: Davis WMP Data Form

Matt,

Here's the data form for the Davis residence, which you'll be looking at 9:00am on 2/15/08. The only thing I had a question on was the last question, regarding providing a copy of a map. Are you looking for a site plan or a map for driving directions? I attached a driving directions map, so let me know if that doesn't work or if you need anything else. Thanks.

2/19/2008

WILDFIRE MITIGATION PLAN

For Robert and Mary Ann Davis
1232 Pika Rd, Boulder, CO 80302
Docket: SPR - 07 - 128
Inspection date: 2/15/2008

**Colorado
State**
FOREST
SERVICE
Boulder District
5625 Ute Highway
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Prepared for:

Robert and Mary Ann Davis
2035 4th St.
Boulder, CO 80302
Phone: 720-244-5254

Prepared by:

Matthew Jedra
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PURPOSE OF A WILDFIRE MITIGATION PLAN

The purpose of a Wildfire Mitigation Plan is to give guidelines for reducing wildfire hazards around a home or other structures through fuels reduction. It is a document to inform urban interface home owners of the dangers and responsibilities of living in the interface. This plan will help outline the initial and ongoing fuels reduction needed to create and maintain an effective wildfire defensible space. However, having a wildfire mitigation plan, implementation of a defensible space thinning, and following all the recommendations as outlined in this plan **does not guarantee that your home will survive a wildland fire; however, in combination they will give your home the best potential probability to survive a wildland fire.**

SITE LOCATION AND PROPERTY DESCRIPTION

The property is located in Section 15, Township 1S, and Range 71W, Lot 39 Pine Needle Notch. The property is located within the Rocky Mountain Fire Authority (303-494-3735). A 3,467sq.ft residence is proposed for the site. The lot is 4.29 acres in size and has a modest ~2-15 percent slope with a west aspect. The site is at ~6,980 feet in elevation and located on a mid-slope which is relatively moist and dry. Pika Rd to the west and Bison Dr south may create a small natural barrier that may help slow the spread of a surface fire on the site.

CONSTRUCTION DESIGN AND MATERIALS

The proposed residence will have a moderately complex design with a complex roofline and will be oriented with a northwest aspect. **The overall design of the structure greatly influences how it will withstand a wildfire. Complex building forms create heat traps, areas where the walls and roof members intersect on another where eddies form and hot air and embers from a fire can collect. It is important to keep these areas clear of combustibles such as needles and brush.**

The roofing material will consist of class-A laminated asphalt shingles. **Falling embers and fire brands from a wildfire can land on a roof and ignite the roof, either by directly heating the roofing material, or by igniting light fuels (pine needles) that have collected on the roof. It is recommended to place screening over gutters and/or make a yearly check to keep them clear of leaves and needles.**

The exterior wall material is to be stucco, stone, and hardboard. Soffits and fascia are to be ¾" thick cement board. The structure will have 21 large sized windows with the primary viewing direction being toward the southwest side of the structure. Windows will be double glazed with Low-E coating and tempered glass where required. Frames are to be made of aluminum clad wood. Exterior doors are to be 1¾", fire-rated, and made of wood. **All operable windows must be provided with screening that is constructed of either aluminum, galvanized steel, copper or of an approved material that when exposed to flame for 15 seconds, will not burn through or melt, and remains intact. Windows are one of the weakest parts of a structure with regards to wildfire. They often crack and fail before the structure itself ignites, providing a direct path for embers and radiant heat to reach the interior. It is best to minimize the number of windows, especially on the downhill side of the structure. Fire typically burns up hill faster and will create a great deal of radiant heat.**

A deck will be constructed of composite decking material with 6" timber posts. The deck will be open overhead and underneath. The deck will have a buffer material of crushed gravel on top of a non-combustible polyester weed barrier. **Decks must be kept clean and free of combustible materials. Keep debris such as pine needles, wood, and vegetation away from your deck. Each year rake pine needles and other combustible material from underneath decks and overhangs.**

UTILITIES

The propane tank is to be set on a pad of crushed rock overlaying a weedbarrier ~30 ft to the west of the residence. Utilities for the property are buried along the drive way from a pole ~200 ft to the north of the structure. The septic field is located ~50 ft northwest of the residence. A well is located ~190 ft to the northwest.

DRIVEWAY ACCESS FOR EMERGENCY VEHICLES

Access the property from Boulder by heading west on Flagstaff Rd for 7.2 miles, left on Pika Rd, end at 1232 Pika Rd. Emergency evacuation from this property is dependent on the location of a fire at a given time. Two main evacuation routes could be east on Flagstaff Rd towards Boulder or head to Hwy 72 via Gross Dam Rd.

The new driveway will create a significant amount of site disturbance and soil compaction and will require the removal of few trees. The driveway is ~12 feet wide with a vertical clearance of 13'6" and a grade that is less than 12 percent. The driveway is approximately 200 feet long therefore no turn around will be required. Since the driveway is less than 400 ft., no pull-outs are required along the driveway. However, a pullout will be created ~75 ft from the residence.

EMERGENCY WATER SUPPLY FOR FIRE FIGHTING

The water source will be from a community cistern. The residence will be making a donation to the community fire cistern. Contact the Rocky Mountain Fire Authority (303-494-3735) for more information and specific details.

FUELS REDUCTION

All trees to be removed are marked with blue spray paint. All trees that are to remain within zones 1 and 2 will be unmarked and need to be pruned to a height of 8 ft or 1/3 the height of the tree, whichever is less. If the property is less than 1 acre it may not have zones marked due to boundary interference. Harvested wood that remains on site will be stacked at least 30 feet from the house and at the same elevation when possible. Slash from the harvest will be hauled off site. Note that if you decide to burn piles, you must obtain a valid Open Burning Permit from the Boulder County Environmental Health Department (303-441-1180) and notify your local fire protection district Rocky Mountain Fire Authority (303-494-3735).

FOREST COMPONENT AND HEALTH

The site has a dominant overstory consisting of ponderosa pine (*Pinus ponderosa*) with a ponderosa pine and Douglas-fir (*Pseudotsuga menziesii*), component. The understory consists of a dense/sparse cover of native grasses, forbs, and shrubs. The forested area is best represented by Fuel Model 8. Fuel Model 8 is represented by closed canopy stands of ponderosa pine and mixed conifer. Understory may consist of small trees and shrubs, grasses and moderate concentrations of down, dead woody litter. High amounts of needle litter may be present. This model can exist from foothills to subalpine.

There were no current signs of insect or disease problems on the property at the time of the inspection.

DEFENSIBLE SPACE MANAGEMENT

There are three defensible space zones to be created around the structure(s) on the site. Please note that it is possible that one or more of these zones will cross over the subject property onto adjacent properties. Property boundaries must be respected; mitigation work is not required beyond immediate boundaries. However, landowners are encouraged to contact and work with neighbors if property lines limit the ability to mitigate within the prescribed area. **Defensible space is a benefit, not only to the individual but also to the community as a whole.**

Zone 1 - Starts at the foundation and extends out 15 feet in all directions from the outside edge of the structure(s). Zone 1 is broken down into three segments:

Zone 1A - Consists of the structure(s) themselves and the area immediately adjacent to and surrounding the structure(s) on all sides. A five-foot wide, non-flammable strip should be created using crushed gravel over a polyester weed barrier material. This strip will also extend back under, and out to, two feet past the drip line of any decks.

Zone 1B - Extends out from Zone 1A. In this zone, all highly flammable vegetation should be removed. Any large dead woody material on the ground should also be removed. Firewise plants should be used for landscaping and re-vegetation. Grasses should be irrigated when possible and mowed to a maximum height of 6 to 8 inches twice per growing season to a distance of 30 feet from the structure.

Zone 1C - This zone extends out from Zone 1B to 15 feet from the house. All understory trees (ladder fuels) should be removed as marked. These are small seedling and sapling size trees that can be ladders for fire to get in the crowns of the larger trees. A few of the larger, healthy trees can be retained for screening. All remaining trees in this zone should be pruned to a height of 10 feet. They must be well spaced so that the crowns are not touching (10 foot minimum crown spacing). No trees should overhang the house or decks, unless approved by Boulder County or CSFS as "part of the structure" with additional fuels reduction around those trees

to insure the defensible space integrity. Trees should be at least 15 feet away from the house on all sides, and a minimum of 20 feet from chimneys.

Zone 2 - This zone extends out from Zone 1C, and acts as a transition zone between the heavily thinned areas near the house to the existing forest setting. It extends down slope between 100-170 feet depending upon slope steepness. Zone 2 also extends on either side of the structure a minimum of 100 feet and behind the house between 70-100 feet assuming no boundary restrictions. Tree spacing begins as in Zone 1C and gradually decreases as you approach the outer edge of the zone. Thinning and crown spacing becomes greater in areas of steep slopes. Ladder fuels and poor quality, suppressed and/or diseased trees, 6 to 8 inches in diameter, make up the majority of the removals. The remaining mature trees should be pruned to a height of 10 feet at the intersection of Zones 1 and 2 with limbing reduced in height to 6 feet as you approach Zone 3. If there are any questions pertaining to slope and the changes in thinning spacing and distance regulations please refer to <http://www.ext.colostate.edu/pubs/natres/pubnatr.html> and find the *Quick Facts 6.302 Creating Wildfire Defensible Space*.

Zone 3 - This zone extends out from Zone 2 to the edge of the property. It may extend out to areas that are not part of the immediate mitigation efforts. In this zone, a few thicker clumps of trees are acceptable, as well as some unpruned trees near the outer edge. Thinning in this zone adds some protection, but is aimed more at forest health. Trees that are of poor quality or form, or have insect or disease infestations, should be removed. Slash in this zone can be lopped and scattered and/or piled for wildlife use.

- Thin suppressed trees and trees with disease and insect infestations and retain the larger, healthier trees.
- Snags can be retained for wildlife.
- Some slash in this zone can be lopped and scattered and/or piled for wildlife enhancement and shelter.
- Large amounts of slash should be disposed of by chipping, hauling to an approved site, or burning.
- For burning permits, check with your local fire protection district.

MAINTENANCE AND RECOMMENDATIONS

As detailed in fact sheet 6.302, *Creating Wildfire Defensible Zones*, an important factor that determines a structure's ability to survive wildfire is defensible space. Defensible space is a maintained area around a structure where fuels (flammable materials) are modified to slow the possible spread of wildfire to the structure, as well as from the structure to the surrounding areas. Defensible space provides a place where structure protection and fire suppression operations may occur. Wildfire hazard mitigation work breaks up fuel continuity, potentially decreasing a wildfire's intensity, and for more effectiveness should be completed beyond a home's defensible space, zone 1 and 2, area into zone 3.

In addition to the above recommendations, several other measures can be taken to make your home more fire safe and add an additional measure of safety for your family. While not required through site plan review, the following measures should be undertaken to maintain the home and defensible space in the future.

- Maintain your defensible space yearly; contact your local forester for a 5-year maintenance inspection
- Establish an escape route and safety zone with the aid of your local fire protection district
- Keep firewood at least 30 feet away from buildings; clear weeds and grass from around pile
- Do not stack fresh cut wood against live trees – this could invite unwanted insects
- When possible, maintain an irrigated green space; mow grasses 6" to 8" high
- Connect, and have available, a minimum of 50 feet of garden hose with an adjustable nozzle
- Have an emergency evacuation plan in place (included in wildfire mitigation plan)
- Be aware of fire danger; your nearest fire danger sign is located at your fire station or check the Boulder Fire Weather website at www.crh.noaa.gov/bou
- Keep driveways and property address marked with reflective easy to see signs
- Maintain screens on foundations, soffit vents, roof vents, and attic openings
- Get rid of unnecessary accumulations of debris and trash from yards
- Keep tools such as shovels, rakes, ladders, and axes available and ready for use
- Clean debris from the roof and gutters at least two times annually
- Check screens and maintain spark arresters on chimneys annually
- Avoid storing combustibles under decks such as wood piles, scrap lumber, and fuels

DEFINITIONS

Aspect – Exposure. The direction a slope faces.

Canopy – The cover of branches and foliage formed collectively by crowns of adjacent trees.

Crown – Branches and foliage of a tree.

Dominant fuel type – Matter that would carry a fire, found on the ground.

Duff – a layer of accumulated dead organic matter (pine needles).

Eddies – Small wind occurrences that are separate from normal wind flows.

Fuel Model – A number system that identifies the types of fuels found on the property that will directly influence fire behavior.

Fire danger - An assessment of both fixed and variable factors of the fire environment, which determine the ease of ignition, rate of spread, difficulty of control, and the fire impact.

Fire hazard - The potential fire behavior for a fuel type, regardless of the fuel type's weather-influenced fuel moisture content or its resistance to fireguard construction. Assessment is based on physical fuel characteristics, such as fuel arrangement, fuel load, condition of herbaceous vegetation, and presence of elevated fuels.

Fire management - The activities concerned with the protection of people, property and forest areas from wildfire and the use of prescribed burning for the attainment of forest management and other land use objectives, all conducted in a manner that considers environmental, social and economic criteria.

Fire risk - The probability or chance of fire starting determined by the presence and activities of causative agents.

Fuel continuity – The proximity of fuels to each other. Helps determine if a fire can sustain itself.

Forest health - A forest condition that is naturally resilient to damage; characterized by biodiversity, it contains sustained habitat for timber, fish, wildlife, and humans, and meets present and future resource management objectives.

Ladder fuels - Fuels that provide vertical continuity between the surface fuels and crown fuels in a forest stand, thus contributing to the ease of torching and crowning.

Limb (verb) –To remove the branches from a tree.

Noxious weeds - Any weed so designated by the Weed Control Regulations and identified on a regional district noxious weed control list.

Overstory – The tree species that forms the uppermost forest layer (dominant and co-dominant).

Slash – The residue left on the ground as a result of forest and other vegetation being altered by forest practices or other land use activities.

Snag – Standing dead tree, often used by wildlife such as woodpeckers, owls, and other various mammals.

Understory – Plants that grow underneath the overstory species.

Wildland urban interface – a popular term used to describe an area where various structures (most notably private homes) and human developments meet or are intermingled with forest and other vegetative fuel types.



Annual Fire Safety Checklist

- Thin trees and brush properly within defensible space.
- Remove trash and debris from defensible space.
- Remove needles and pine cones from window wells.
- Remove trees growing through a porch or other portions of a structure.
- Clear leaves and debris from the roof and gutters of structures.
- Remove branches that overhang a chimney or roof.
- Stack firewood uphill from a home or on a contour away from the home.
- Use noncombustible roof materials.
- Place shutters, fire curtains or heavy drapes on windows.
- Place screens on foundation and eave vents.
- Enclose sides of stilt foundations and decks.
- Remove any combustibles from under decks, porches or entrances ways.
- Use a chimney screen or spark arrester in fireplaces.
- Clear vegetation from around fire hydrants, cisterns, propane tanks, etc.
- Place placards on garages if storing flammable materials inside.
- Make sure that an outdoor water supply is available with a hose, nozzle and pump.
- Post address signs that are clearly visible from the street or road.
- Make sure that driveways are wide enough for fire trucks and equipment.
- Check with appropriate highway agencies to make sure load limits are posted on bridges and for the appropriate protocol for posting load limits for bridges on private property.
- Install and test smoke detectors.
- Practice a family fire drill and evacuation plan.

Evacuation Tips

- If a wildfire is threatening your area, listen to the radio for updated reports and evacuation information.
- Confine pets to one room and make plans to take care of them in the event of evacuation.
- Arrange for temporary housing with a friend or relative whose home is outside the threatened area. Leave a note in a prominent place in your home that says where and how you can be contacted.
- If your home is threatened by wildfire, you will be contacted and advised by law enforcement officers to evacuate. If you are not contacted or you decide to stay and help defend your home, evacuate pets and family members who are not needed to protect your home.
- Remove important documents, mementos, etc. from the possible fire area.
- Choose an evacuation route away from the fire if possible. Watch for changes in the speed and direction of the fire and smoke.

Take a disaster supply kit containing:

- Drinking water.
- A change of clothing and footwear for each family member.
- Blanket or sleeping bag for each person.
- First-aid kit and prescription medications.
- Emergency tools including a battery-powered radio, flashlight and extra batteries.
- Extra set of car keys and credit cards, cash or traveler's checks.
- Extra pairs of eyeglasses or other special items for infants, elderly or disabled family members.

Defending Your Home

Whether you choose to stay to defend your home or to evacuate, complete as many of the following preparations as possible.

- **DO NOT JEOPARDIZE YOUR LIFE. NO MATERIAL ITEM IS WORTH A LIFE.**
- Wear fire-resistant clothing and protective gear.
- Remove combustible materials from around structures.
- Close or cover outside vents and shutters.
- Position garden hoses to reach the entire house, but do not turn the water on until it is needed. Hoses should have an adjustable nozzle.
- Place large, full water containers around the house. Soak burlap sacks, small rugs or large rags in the containers.
- Place a ladder against the roof of the house on the opposite side of the approaching wildfire. Place a garden hose near the ladder, prepared as described previously.
- Place portable pumps near available water supplies, such as pools, hot tubs, creeks, etc.
- Close all windows and doors. Do not lock them.
- Close all inside doors.
- Turn on a light in each room and all outside lights. Leave them on even during daylight hours.
- Fill tubs, sinks and similar containers with water.
- Shut off gas supplies to structures at outside meters. Shut off propane supplies at the outside meter of the tank.
- Remove curtains made of lace, nylon or other light materials. Close blinds, heavy drapes and fire resistant window covers.
- Move overstuffed furniture into the center of the house, away from windows and sliding doors.
- Cars should be parked in the garage, facing out. Close the windows of the vehicle but do not lock the doors. Leave the keys in the ignition.
- Close the garage door but leave it unlocked. Disconnect automatic garage door openers.

For additional copies of these checklists, visit www.colostate.edu and search for wildfire, view the Colorado State Cooperative Extension fact sheet at <http://www.ext.colostate.edu/PUBS/NATRES/06304.html>, or contact the local Cooperative Extension office usually listed under the county government section of your local phone book.

(Information provided by Colorado State University Cooperative Extension and the Colorado State Forest Service.)

Safety Zone Guidelines

A Safety Zone is an area that in the event of a wildland fire you could survive the passing fire without the aid of a fire shelter. A natural safety zone could be an area already burned clean by the fire (in the black), rock areas where flashy fuels are absent, or large bodies of water. A manmade safety zones could be pre-constructed sites such as clear cuts. It should be close enough to your home to consider escape time to reach the safety zone. They should not be located upslope or downwind of the fire or in heavy fuels.

1. Avoid locations that are downwind from the fire.
2. Avoid locations that are in chimneys, saddles, or narrow canyons.
3. Avoid locations that require a steep uphill escape route.
4. Take advantage of heat barriers such as lee side of ridges, large rocks, or solid structures.
5. Burn out safety zones prior to flame front approach.
6. For radiant heat only, the distance separation between you and the flames must be at least four times the maximum flame height. This distance must be maintained on all sides, if the

fire has ability to burn completely around the safety zone. Convective heat from wind and/or terrain influences will increase this distance requirement.

Calculations Assuming No Slope and No Wind

<u>Flame Heights</u>	<u>Distance separation</u>	<u>Area in Acres</u>
10 feet	40 feet	1/10 acre
20 feet	80 feet	1/2 acre
50 feet	200 feet	3 acres
75 feet	300 feet	7 acres
100 feet	400 feet	12 acres
200 feet	800 feet	50 acres

Note: Distance separation is the radius from the center of the safety zone to the nearest fuels. When fuels are present that will allow the fire to burn on all sides of the safety zone this distance must be doubled in order to maintain effective separation in front, to the sides, and behind the person.

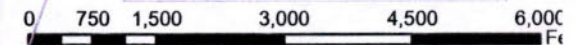
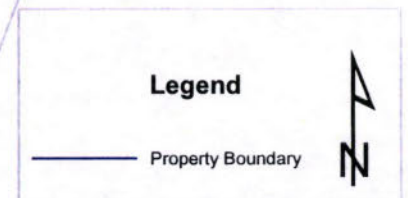
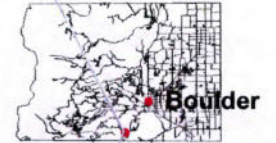
Area in Acres is calculated to allow for distance separation on all sides for a three person family and a vehicle. One acre is approximately the size of a football field or exactly 208 feet x 208 feet.

Example: Given a fire with 10 foot flame heights (no wind or slope). You would need a minimum of 40 feet between you and the flames. So your total safety zone should be 80 feet x 80 feet. If you are settled into the middle of the safety zone you will have a minimum distance of 40 feet to each edge of the zone.

Boulder County Wildfire Mitigation Plan Map

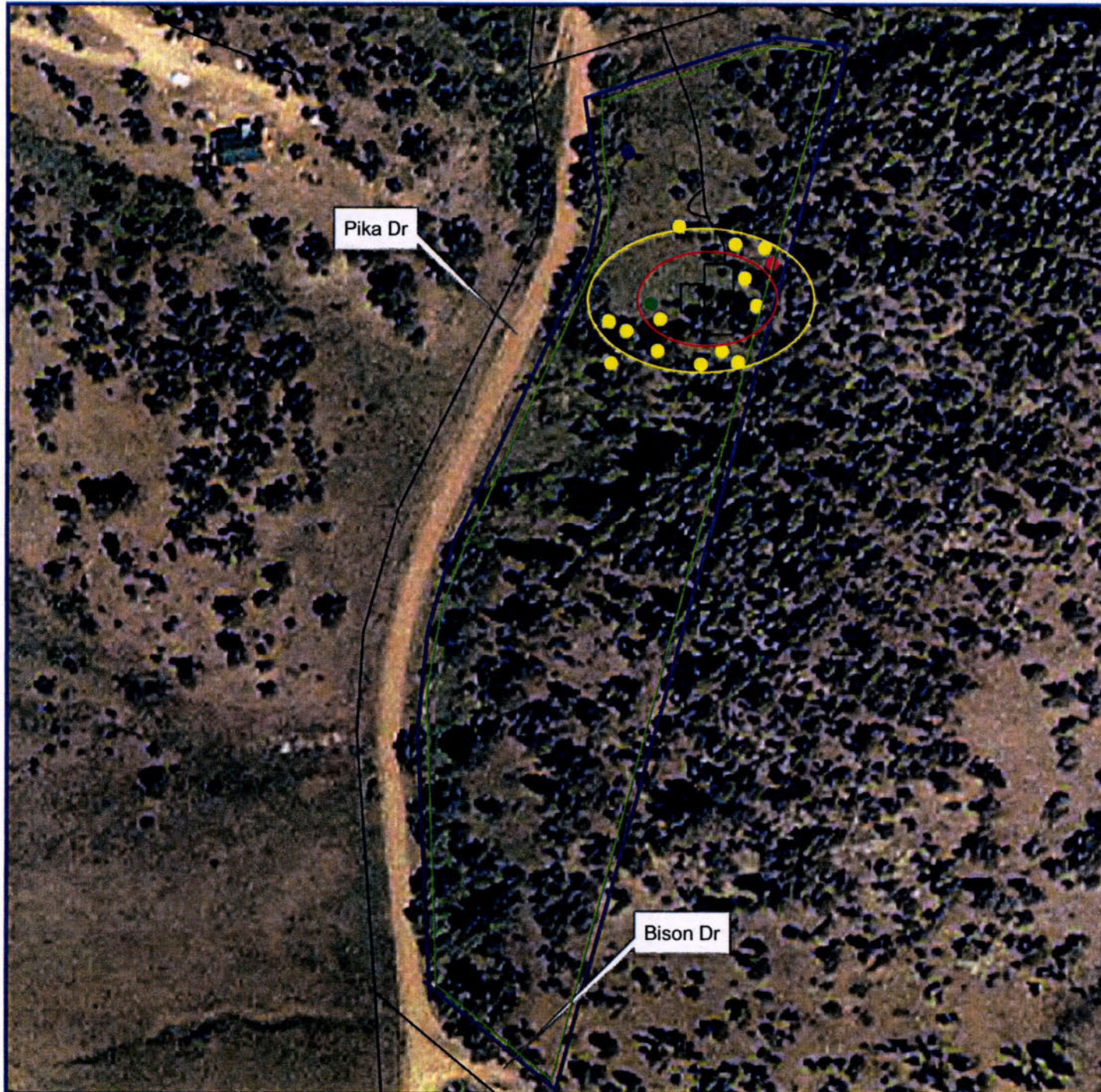


Landscape view of the Robert and Mary Ann Davis Property
1232 Pika Rd, Boulder County
SPR - 07 - 128

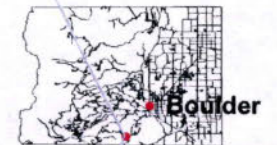


This map is intended for display purposes only
and is not intended for any legal representations

Boulder County Wildfire Mitigation Plan Map



Property of Robert and Mary Ann Davis
1232 Pika Rd, Boulder County
SPR - 07 - 128



Legend

- Driveway
- Zone 1
- Zone 2
- Zone 3
- Leach Field
- Leave Trees
- Propane Tank
- Well
- Property Boundary

0 45 90 180 270 360 Feet

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Colorado State Forest Service
Wildfire Mitigation Plan Data Form

Colorado
State
FOREST
SERVICE
Boulder District
5625 Ute Highway
Longmont, CO 80503
(303) 823-5774
FAX: (303) 823-5768

Please be specific. Fill out the data form as completely and as accurately as possible, **do not** leave any blanks. Leaving blanks can delay the process of your wildfire mitigation plan. You may email it to Matthew Jedra at mjedra@lamar.colostate.edu or fax it to 303-823-5768, or bring it to the scheduled appointment.

The cost of the Wildfire Mitigation Plan is \$300.00. An invoice will be included when you receive the plan. Any **Bolded** categories will be filled in by the Colorado State Forest Service (CSFS) representative at the time of initial site visit. If you have any questions about this form please contact Matthew Jedra at 303-823-5774.

Inspection Date: 2/15/08
Landowner name: Davis, Robert & Mary Ann
Mailing address: 2035 4th St
City, State, Zip: Boulder, CO 80302
Site address: 1232 Pika Rd. Boulder, CO 80302
Phone number: 720-244-5254

Road access: (Directions from main access road)

Flagstaff Rd for total of 7.2 miles → left onto Pika Rd. →
1 mile down Pika Rd on right-hand side; at "fork" w/ Cougar Dr, stay to
right to remain on Pika

Docket number: SPR-07-128 (SPR, SPRW, LU, Etc.)

Section: 15

Township: 1S

Range: 71W

Legal Description:

Lot 39 Pine Needle Notch

15 1S 71W

Elevation: 6,980' (feet)

Lot size: 4.29 (Acres)

Driveway length: c. 200' (Actual length in feet from road to home)

Driveway trees removed: few (few/many/none)

House design: mod. complex (simple – rectangle shape, moderately complex – any shape with a few alcoves, complex – any shaped with a number of alcoves complex design)

Home buffer material: crushed gravel (Material that is spread 5 ft. wide around the house - stone/crushed gravel/decorative stone)

Roof Design: complex (simple/complex)

Roof material: asphalt shingles (Class A- Asphalt shingles/concrete tiles/metal (wood roof is not permitted in Boulder County))

Soffit type and thickness: cement board, 3/4" (Plywood/hardboard/cement board, thickness)

Siding material: stucco, stone, hardboard (Cement/hardboard/log/stucco/stone/wood, etc...)

Windows (#): 21 (number of windows in the structure)

Window Size: large (On average: small - <3x4', medium - 4x5', large <5x6')

Window Frames: alum.-clad wood (Wood or aluminum clad wood/ vinyl is not permitted)

Window Aspect: SW (Dominant viewing direction)

Window Construction: Low E-Coating (Low E- Coating/Tempered glass/etc...)

Window Wells: Ø (Number and location if present, these are windows that site below ground level, usually in a basement)

Sliding Glass Doors: Ø (Location and Number)

Door Material: wood (Wood/steel/fiberglass/composite)

~~X~~ Deck material: wood (Wood/composite materials) ~~*~~

Deck Description: open deck (Enclosed deck/open deck/enclosed underneath/open underneath)

Deck support type: timber posts (Timber posts/logs/steel/concrete/decorative stone)

Deck buffer material: gravel (Crushed rock/gravel/decorative stone)

Deck weed barrier: polyester (Fiberglass/polyester)

Number of Structures: 1 (All structures to be present, including sheds, garages and out buildings)

Existing Structures: none (House/barn/garage/etc.)

New Structure: house/garage (House/Barn/garage/new addition/etc...)

Structure Square feet: 3467 (Total sq.ft. of structure – this **must** be accurate and match the sq.ft. that you submitted for SPR, if it has changed, please specify)

Structure aspect: NW (Dominant facing direction/view, N, S, E, W)

Utility Location: buried along driveway (Pole/buried: Direction and distance from residence – N, S, E, W/20ft, 30ft, 40ft, etc...)

Detached Garage (if applicable): N/A (Total square feet)

Out buildings: N/A (Total square feet of any and all sheds, cabins, ect...)

Leach field: NW 50' (Direction and distance from residence – N, S, E, W/20ft, 30ft, 40ft, etc...)

Cistern size (if applicable): using community (gallons)

Cistern Location: N/A (Direction and distance from residence – N, S, E, W/20ft, 30ft, 40ft, etc...)

Cistern Type: N/A (Domestic Cistern or Fire Cistern)

Making a donation to community cistern : yes (Yes or No)

Have you talked to the local fire department : No (Yes or No)

Are you required to have a sprinkler system : No (Yes or No) (If your house/addition is greater than 3,600 sq.ft. you are required to have an a full interior NFPA 13 D Sprinkler system per Boulder County)

Water supply: Well (Well or main line)

Well (if applicable): NW / 190 ft (Direction and distance from residence – N, S, E, W/20ft, 30ft, 40ft, etc...)

Propane or natural gas: Propane

Propane Tank location: W 30' (Direction and distance from residence – N, S, E, W/20ft, 30ft, 40ft, etc...)

Slash disposal: hauled (Chipped/hauled/burned/lop-scatter)

Can you provide a copy of a map with locations : yes (Yes or No)

Comments: _____

This part will be filled out by the CSFS inspecting forester

FPD: _____

Dominant fuel type: _____ (Grass/forbs/shrubs/slash/etc)

Dominant overstory: _____

Co-dominant overstory: _____

Fuel model type: _____

Aspect: _____ (Direction of slope)

Slope: _____ (Percent)

Building site: _____ (Chimney/saddle/valley/ridge/mid-slope)

Site moisture: _____

Natural fire barrier: _____

Insect & Disease Diagnosis: _____

Comments: _____



1232 Pika Rd
Boulder CO
80302-9529 US

Notes:

Only text visible within note field will print.

What is Your Credit Score?

TransUnion

Experian

Equifax

300 350 400 450 500 550 600 650 700 750 800

You are here (648)

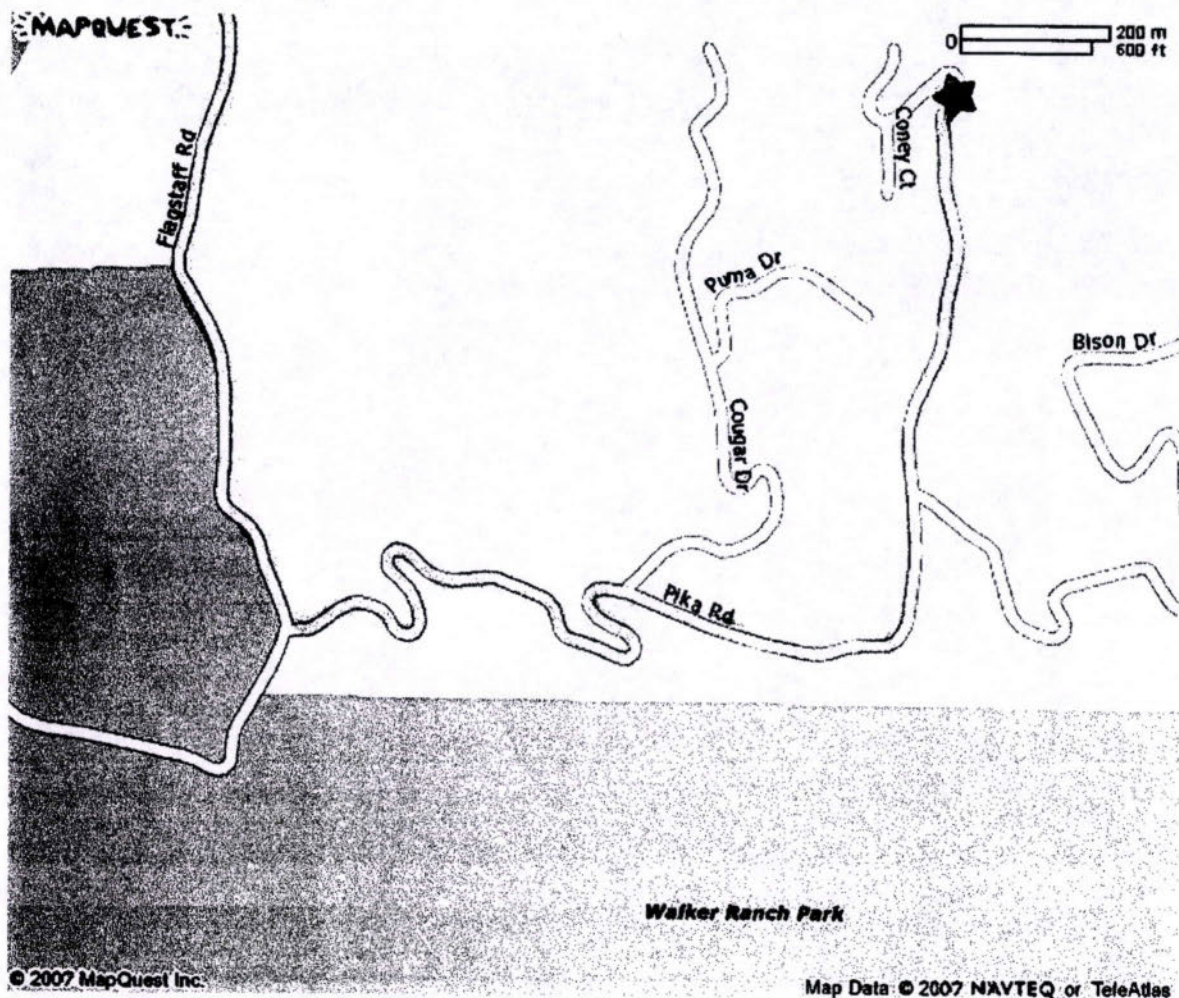
You are here (636)

You are here (618)

[Click Here to Find Out](#)

Based on your credit report data, this is a numerical depiction of your creditworthiness. High scores are better.

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Boulder County Land Use Department

Courthouse Annex Building
2045 13th Street • PO Box 471
Boulder, Colorado 80302

Phone: 303-441-3930 • Fax: 303-441-4856
Email: planner@co.boulder.co.us •
http://www.co.boulder.co.us/lu/

Office Hours: Monday – Friday 8:00 AM to 4:30 PM

478960, CK # 2728, \$1075.00 RS

Shaded Areas for Staff Only	
Intake Stamp	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <h2 style="margin: 0;">A I D</h2> <p style="margin: 0;">NOV 15 2007</p> <p style="margin: 0;">BOULDER COUNTY LAND USE</p> </div>

Application Form

Project Number		Project Name	
* No Application Deadline	* Application Deadline: First Wednesday of the Month	* Application Deadline: Second Wednesday of the Month	
<input type="checkbox"/> Limited Impact Special Use <input checked="" type="checkbox"/> Site Plan Review <input type="checkbox"/> Site Plan Review Waiver <input type="checkbox"/> Subdivision Exemption <input type="checkbox"/> Exemption Plat <input type="checkbox"/> Extension of Approval <input type="checkbox"/> 1041 State Interest Review <input type="checkbox"/> Other: _____	<input type="checkbox"/> Variance <input type="checkbox"/> Appeal	<input type="checkbox"/> Sketch Plan <input type="checkbox"/> Preliminary Plan <input type="checkbox"/> Final Plat <input type="checkbox"/> Resubdivision (Replat) <input type="checkbox"/> Special Use/SSDP	<input type="checkbox"/> Rezoning <input type="checkbox"/> Road/Easement Vacation <input type="checkbox"/> Location and Extent <input type="checkbox"/> Road Name Change
Location(s)/Street Address(es) <u>1232 HST AKA RD</u>			
Subdivision Name <u>PINE NEEDLE NOTCH</u>			
Lot(s) <u>39</u>	Block(s)	Section(s)	Township(s)
Area in Acres <u>4.31</u>	Existing Zoning	Existing Use of Property	Number of Proposed Lots
Proposed Water Supply <u>WELL</u>		Proposed Sewage Disposal Method <u>SEPTIC TANK / LEECH FIELD</u>	

Applicants:

Applicant/Property Owner <u>ROBERT + MARY ANN DAVIS</u>			Email Address <u>rob.davis4@us.army.mil</u>	
Street Address <u>2035 4TH ST.</u>				
City <u>BOULDER</u>	State <u>CO</u>	Zip Code <u>80302</u>	Phone <u>303 938 1442</u>	Fax
Applicant/Property Owner/Agent/Consultant			Email Address	
Street Address				
City	State	Zip Code	Phone	Fax
Agent/Consultant			Email Address	
Street Address				
City	State	Zip Code	Phone	Fax

Certification: (Please refer to the Regulations and Application Submittal Package for complete application requirements.)

I certify that I am signing this Application Form as an owner of record of the property included in the Application. I certify that the information and exhibits I have submitted are true and correct to the best of my knowledge. I understand that all materials required by Boulder County must be submitted prior to having this matter processed. I understand that public hearings or meetings may be required. I understand that I must sign an Agreement of Payment for Application processing fees and that additional fees or materials may be required as a result of considerations which may arise in the processing of this docket. I understand that the road, school, and park dedications may be required as a condition of approval.

I understand that I am consenting to allow the County Staff involved in this application or their designees to enter onto and inspect the subject property at any reasonable time, without obtaining any prior consent.

All landowners are required to sign application. If additional space is needed attach additional sheet signed and dated.

Signature of Property Owner <u>[Signature]</u>	Date <u>11/15/07</u>	Signature of Property Owner <u>Mary Ann Davis</u>	Date <u>11/15/07</u>
Other Signature	Date	Other Signature	Date

* Only if the Land Use Director waives the landowner signature requirement for good cause shown under the applicable provisions of the Land Use Code.

Site Plan Review Fact Sheet

The applicant(s) is/are required to complete each section of this Site Plan Review (SPR) Fact Sheet even if the information is duplicated elsewhere in the SPR application. Completed Fact Sheets reduce the application review time which helps expediate the Director's Determination. Please make duplicates of this SPR Fact Sheet if the project involves more than two structures.

Structure #1 Information

Type of Structure: (e.g. residence, studio, barn, etc.)		RESIDENCE	
Total Existing Floor Area: (Finished + Unfinished square feet including garage if attached.)		sq. ft.	Demolish: N/A.
Are new floor areas being proposed where demolition will occur? <input type="checkbox"/> Yes (include the new floor area square footage in the table below) <input checked="" type="checkbox"/> No			
Proposed Floor Area (New Construction Only)			
	Finished	Unfinished	Total
Basement:	sq. ft.	242.5 sq. ft.	242.5 sq. ft.
Lower Floor	587.2		587.2
First Floor:	1548.1 sq. ft.	sq. ft.	1548.1 sq. ft.
Second Floor:	486 sq. ft.	sq. ft.	486 sq. ft.
Garage: <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Attached	603 sq. ft.	sq. ft.	sq. ft.
Covered Deck:	sq. ft.	sq. ft.	sq. ft.
Total:	sq. ft.	sq. ft.	3467.5 sq. ft.
			Height (above existing grade) 27' 6 3/4"
			Exterior Wall Material STUCCO PLASTER
			Exterior Wall Color
			Roofing Material CLASS A SHINGLE
			Roofing Color
			Total Bedrooms 3

Structure #2 Information

Type of Structure: (e.g. residence, studio, barn, etc.)			
Total Existing Floor Area: (Finished + Unfinished square feet including garage if attached.)		sq. ft.	Demolish:
Are new floor areas being proposed where demolition will occur? <input type="checkbox"/> Yes (include the new floor area square footage in the table below) <input checked="" type="checkbox"/> No			
Proposed Floor Area (New Construction Only)			
	Finished	Unfinished	Total
Basement:	sq. ft.	sq. ft.	sq. ft.
First Floor:	sq. ft.	sq. ft.	sq. ft.
Second Floor:	sq. ft.	sq. ft.	sq. ft.
Garage: <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Attached	sq. ft.	sq. ft.	sq. ft.
Covered Deck:	sq. ft.	sq. ft.	sq. ft.
Total:	sq. ft.	sq. ft.	sq. ft.
			Height (above existing grade)
			Exterior Wall Material
			Exterior Wall Color
			Roofing Material
			Roofing Color
			Total Bedrooms

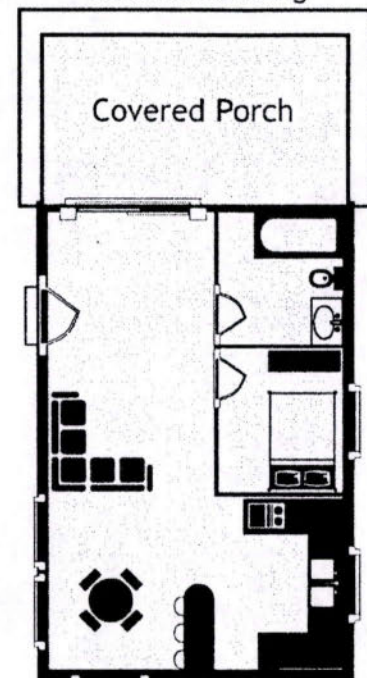
Project Identification:

Project Name:	DAVIS RESIDENCE
Property Address/Location:	1154 PIKA RD
Current Owner:	ROBERT & MARY ANN DAVIS
Size of Property in Acres:	4.31

Determining Floor Area

Floor Area is measured in terms of square feet. The total square footage is as everything within the inside of the outside walls which includes covered porches, garages, and basements. The shaded area on the diagram indicates the area counted as square feet.

Porch Overhang



Note: If an existing wall(s) and/or roof(s) are removed and a new wall(s)/roof(s) are constructed, the associated floor area due to the new wall(s)/roof(s) are considered new construction and must be included in the calculation of floor area for the Site Plan Review and shown on this Fact Sheet.

If a Limited Impact Special Review is required, then call 303-441-3930 and ask for a new Preapplication conference for the Limited Impact Special Review.

Grading Calculation

Cut and fill calculations are necessary to evaluate the disturbance of a project and to verify whether or not a Limited Impact Special Review (LISR) is required. A LISR is required when grading for a project involves more than 500 cubic yards (minus normal cut/fill and backfill contained within the foundation footprint).

If grading totals are close to the 500 yard trigger, additional information may be required, such as a grading plan stamped by a Colorado Registered Professional Engineer.

Earth Work and Grading

This worksheet is to help you accurately determine the amount of grading for the property in accordance with the Boulder County Land Use Code. Please fill in all applicable boxes.

Note: Applicant(s) must fill in the shaded boxes even though foundation work does not contribute toward the 500 cubic yard trigger requiring Limited Impact Special Use Review. Also, all areas of earthwork must be represented on the site plan.

Earth Work and Grading Worksheet:

	Cut	Fill	Subtotal
Driveway and Parking Areas	191	191	382
Berm(s)			
Other Grading			
Subtotal			382 ^{cu. yds} <small>Box 1</small>

* If the total in Box 1 is greater than 500 cubic yards, then a Limited Impact Special Review is required.

	Cut	Fill	Total
Foundation	177.7	177.7	355
Material cut from foundation excavation to be removed from the property			

Excess Material will be Transported to the Following Location:

Narrative

Use this space to describe any special circumstances that you feel the Land Use Office should be aware of when reviewing your application. If more room is needed, feel free to attach a separate sheet.

Is Your Property Gated and Locked?

Note: If county personnel cannot access the property, then it could cause delays in reviewing your application.

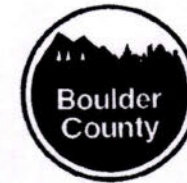
Certification

I certify that the information submitted is complete and correct. I agree to clearly identify the property (if not already addressed) and stake the location of the improvements on the site within four days of submitting this application. I understand that the intent of the Site Plan Review process is to address the impacts of location and type of structures, and that modifications may be required. Site work will not be done prior to issuance of a Grading or Building Permit.

Signature: _____ Date: _____

Boulder County

Land Use Department
PreApp - Vicinity Map



This map is for informational purposes only and, in itself, does not indicate whether property will conflict with any Comprehensive Plan or Environmental Resources. Review processes may also reveal environmental resources not found on County maps.

Legend

Open Space

- Federal
- State
- Local
- Conservation Easements
- Gravel resources
- Utilities and other

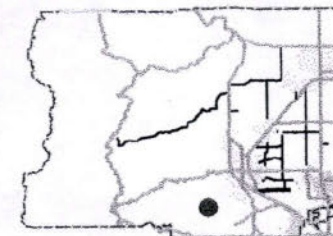
Subdivision

- Lots
- Nupud

Floodplain

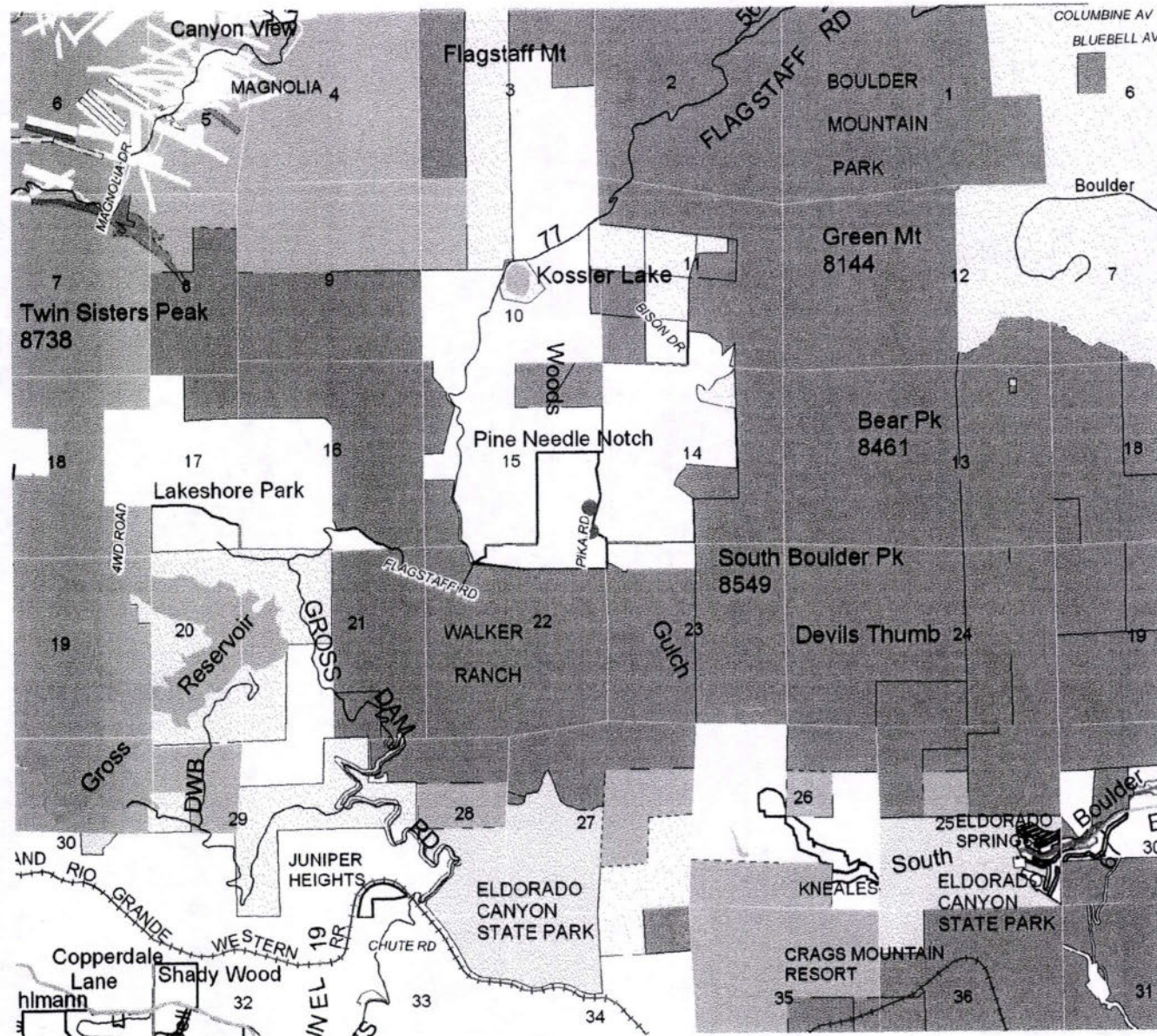
- FO Zoning District

Map Location



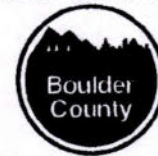
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Boulder County

Land Use Department
PreApp - Location Map

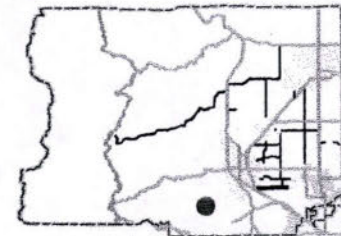


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Legend

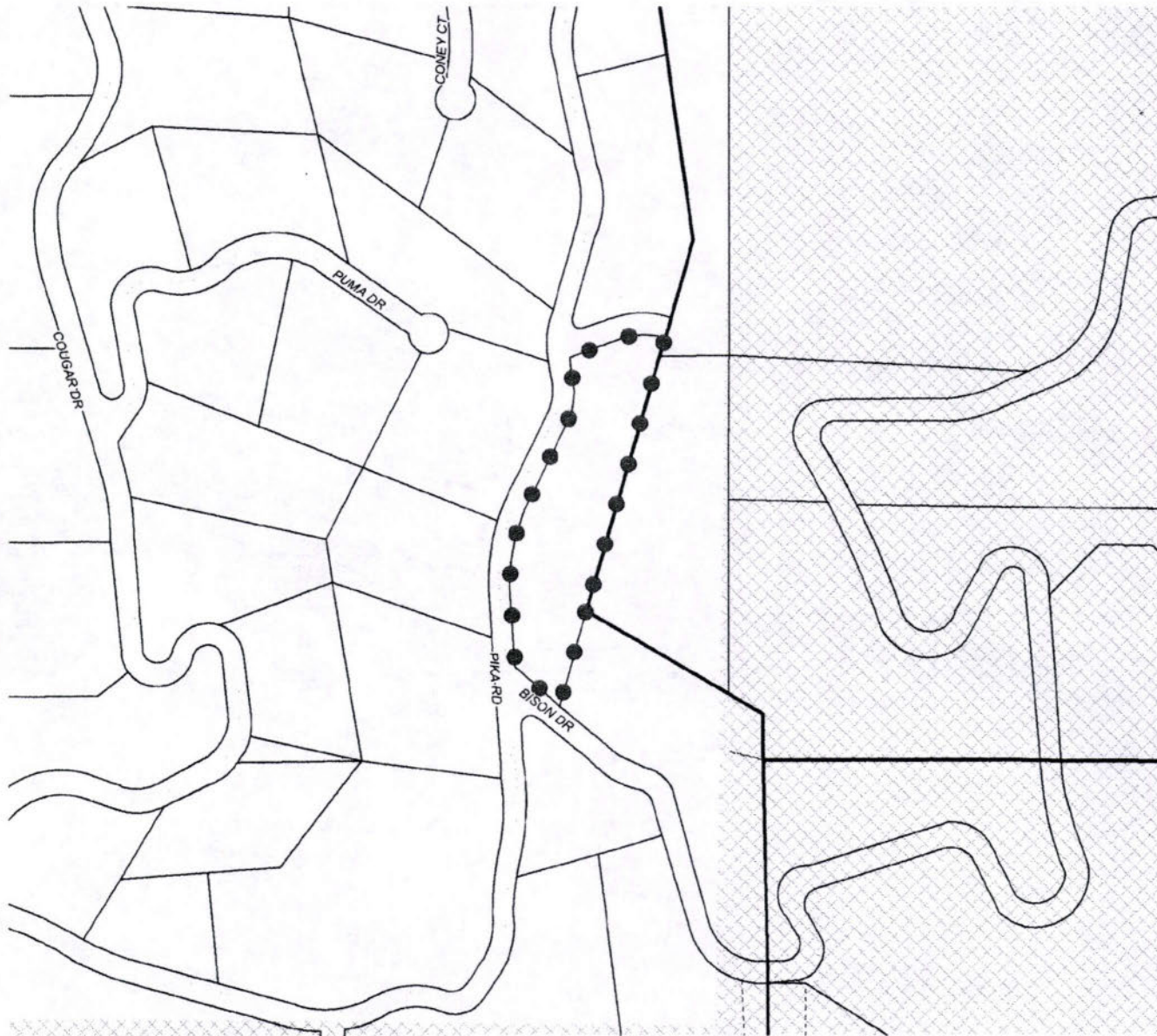
- Archeologically Sensitive Travel Routes
- Municipalities
- Archeologically Sensitive Areas
- Open Corridors, Roadside
- Open Corridors, Streamside
- Overland Habitat Connectors
- Stream Habitat Connectors
- Significant Riparian Corridors
- Critical Wildlife Habitats
- Rare Plant Areas
- Floodplain - FO Zoning District
- Environmental Conservation Areas
- Natural Landmarks and Areas
- Significant Natural Communities
- Significant Agricultural Lands
- National Importance
- Statewide Importance
- Local Importance

Map Location

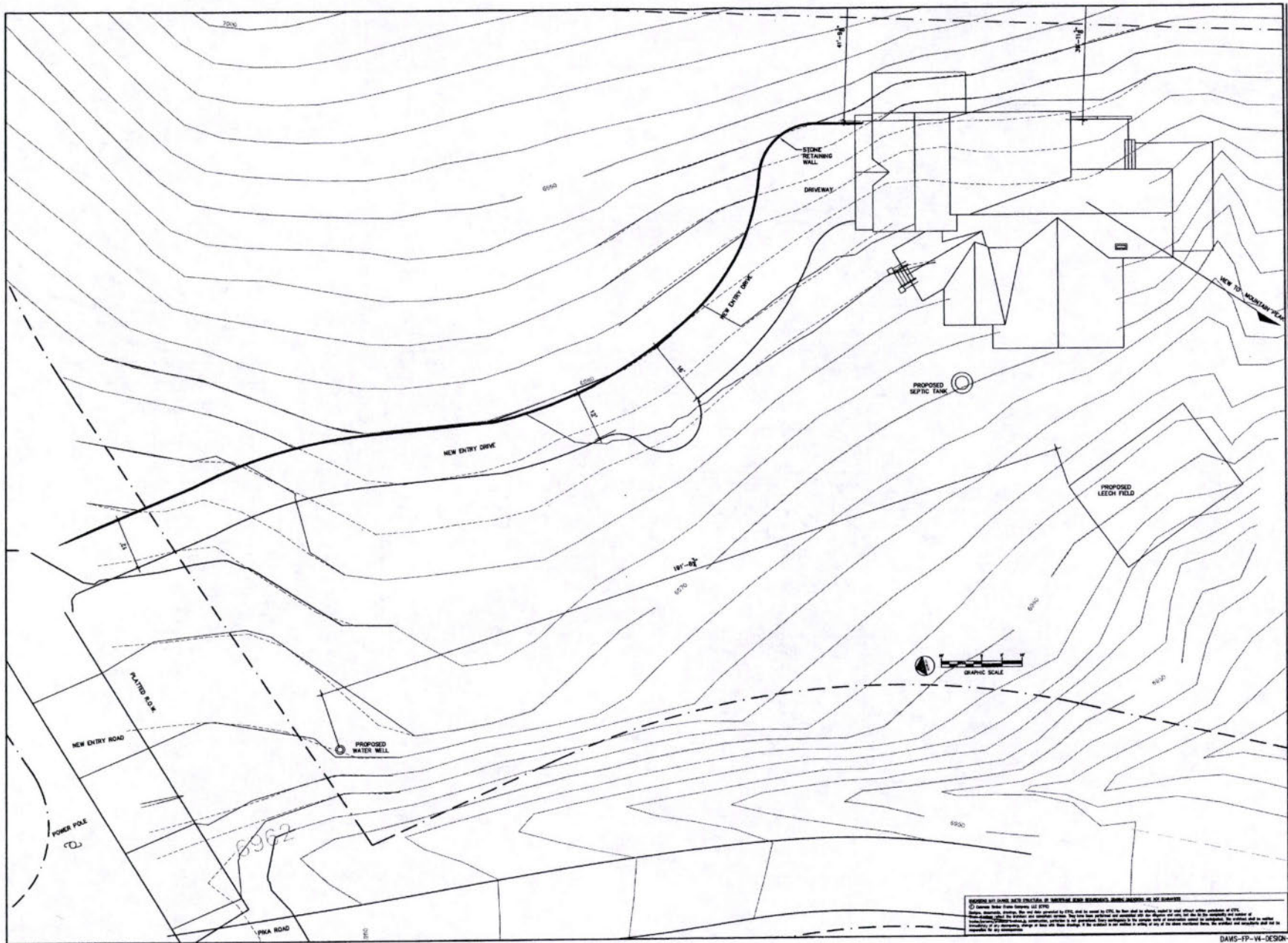


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0 0.035 0.07 0.14 0.21 0.28 Miles



DESIGNED BY: DAVIS ARCHITECTS, INC. 1154 PIKA RD., BOULDER COUNTY, CO 80501
 DRAWN BY: DAVIS ARCHITECTS, INC. 1154 PIKA RD., BOULDER COUNTY, CO 80501
 CHECKED BY: DAVIS ARCHITECTS, INC. 1154 PIKA RD., BOULDER COUNTY, CO 80501
 TITLE: ARCH SITE PLAN

colorado
TIMBERFRAME
company

3225 Wilson St.
 Boulder, CO 80501
 Tel: 800-661-0663, 303-444-5012
 Fax: 303-444-2022
www.timberframeco.com

DATE	BY	CHKD	APPD

DAVIS RESIDENCE
 LOT 38, PINE NEEDLE NOTCH
 1154 PIKA RD., BOULDER COUNTY
 TITLE: ARCH SITE PLAN

DATE:	NOV-2007
DESIGN:	DAVIS
PROJECT NO.:	
CLIENT:	MJC
CITY:	NO
TITLE:	ARCH SITE PLAN
DESIGN REVIEW:	
SCALE:	AS NOTED
A1.0	

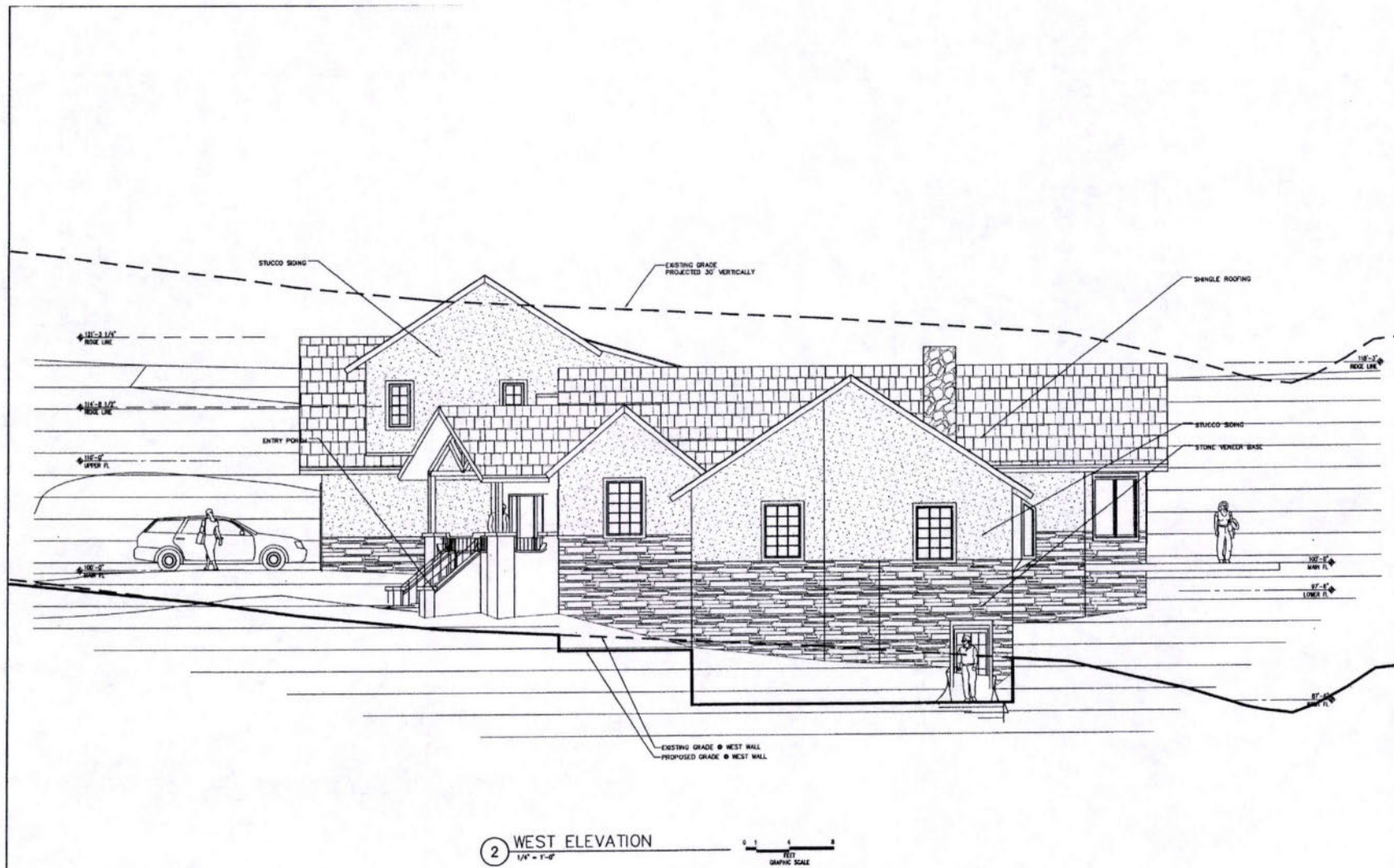
DESCRIPTION

DATE
BY
CHECKED
APPROVED

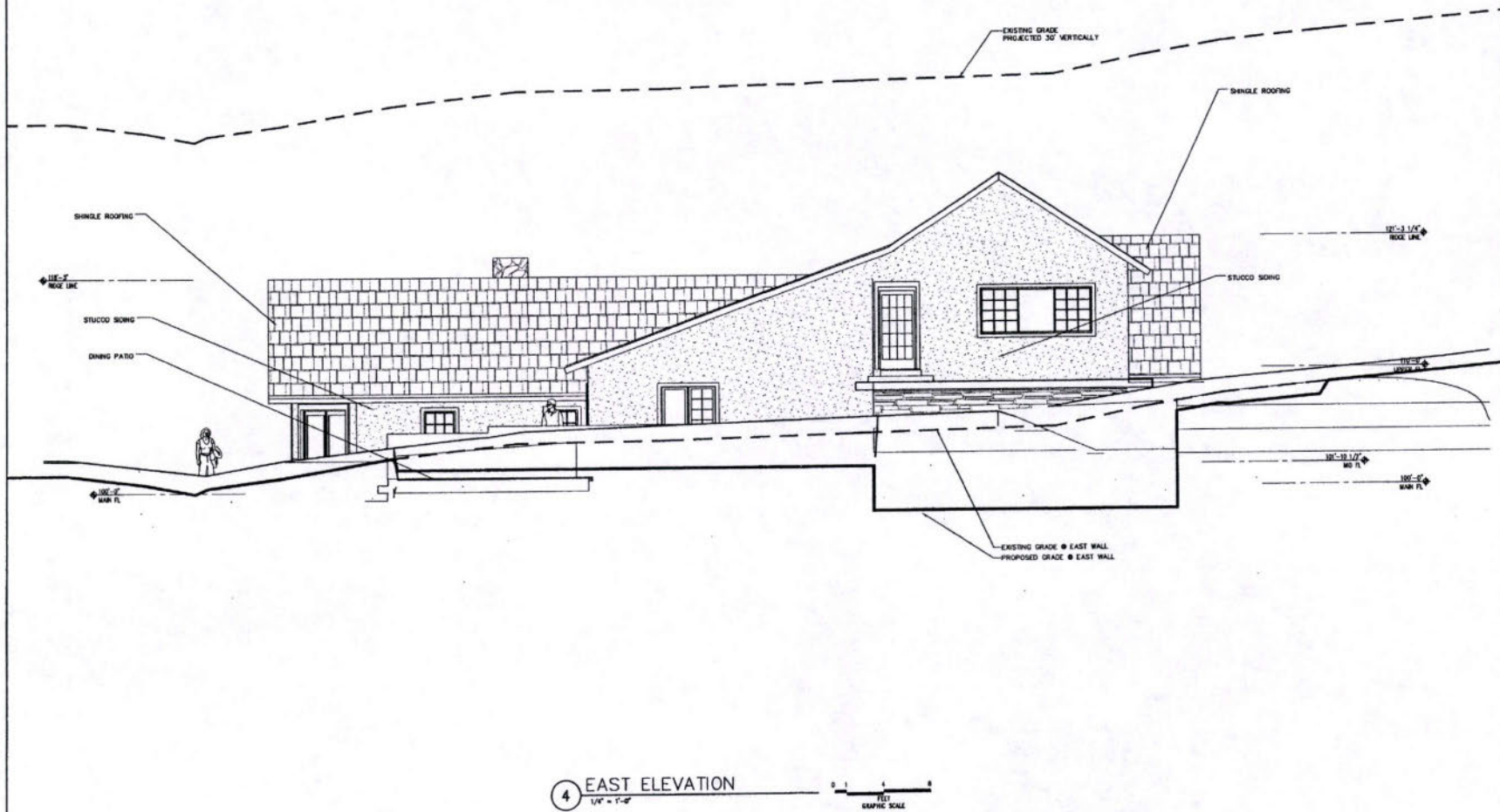
DAVIS RESIDENCE
LOT 39, PINE NEEDLE NOTCH
1154 PINE RD, BOULDER COUNTY
TITLE: WEST ELEVATION

DATE	NOV-2017
DESIGNER	
PROJECT NO.	
EXPLAN	MAC
CHECKED	ND
APPROVED	
SCALE	AS NOTED
SHEET	

A3.2



UNLESS NOTED, ALL DIMENSIONS OF THIS PROJECT SHALL BE IN FEET AND INCHES. DIMENSIONS SHALL BE GIVEN TO THE NEAREST 1/8\"/>



4 EAST ELEVATION
1/4" = 1'-0"



DESIGNER: DAVIS RESIDENCE
ARCHITECT: DAVIS RESIDENCE
DATE: NOV-2007
PROJECT NO: A3.4
CLIENT: MJC
CHECKED: MJC
DESIGNED BY: DESIGN RE-NEW
SCALE: AS NOTED
SHEET: A3.4

colorado
TIMBERFRAME
company

3220 W. 1st St.
Boulder, CO 80501
Tel: 800-631-0663, 303-444-5812
Fax: 303-444-5812
www.coloradotimberframe.com

DATE	
BY	
CHECKED	
APPROVED	

DESIGNER: DAVIS RESIDENCE
DAVIS RESIDENCE
LOT 39, PINE NEEDLE NOTCH
1154 PIKA RD, BOULDER COUNTY
TITLE: EAST ELEVATION

DATE: NOV-2007
PROJECT NO: A3.4
CLIENT: MJC
CHECKED: MJC
DESIGNED BY: DESIGN RE-NEW
SCALE: AS NOTED
SHEET: A3.4



TITLE: ARCHITECTURAL SITE PLAN

[illegible]

Boulder, CO 80501
Tel 303.440.1763, 303.444.5012
Fax 303.444.5017

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company