



M E E T I N G M I N U T E S

PROJECT NAME: Town of Nederland – Big Springs Egress DATE: November 14, 2016
 MEETING SUBJECT: DAT Meeting 2 TIME: 4:00 – 6:00 PM
 MEETING LOCATION: Ned's JOB NO. 2122.16c
 MEETING NUMBER 2
 ATTENDEES See introductions below

Note – Agenda items listed in normal text. *Minutes are included in italics.*

Action Items

Meeting No	Item	Action	By Whom	By When
NEW ACTION ITEMS				
2	1	Revise plans based on input	Chad	12/16/16
2	2	Send Forsythe II review documents to group	Alisha	11/18/16
2	3	Mark trees for saving	Group	11/27/16
2	4	Locate trees and edge of springs w/ hand-held GPS	Chris/Chad	12/2/16
OUTSTANDING ACTION ITEMS				
COMPLETED ACTION ITEMS				



AGENDA/ MEETING MINUTES

1. Introductions, Roles

- Alisha Reis, Town Administrator, Nederland, alishar@nederlandco.org
- Chris Pelletier, Public Works Director, Nederland, chrisp@nederlandco.org
- Charles Wood, Town Trustee, Nederland
- Steve Williams, Planning Commission, Nederland
- Rick Dirr, Fire Chief, Nederland Fire Protection District
- Justin Atherton-Wood, Resource Planner, Boulder County, jatherton-wood@bouldercounty.org
- Alice and Paul Bosma, Residents
- Russ Filippello and Tania Corvalan, Residents
- Andrew Knies, Resident
- Thomas Parker, Resident
- Bryan Hynek, Resident
- Chad Cantrell, Project Manager, JVA, ccantrell@jvajva.com

2. Review Plans and Team Feedback

- Preliminary plans based on Lex Ivey's initial assessment of hugging the east wall of the canyon were presented to group. Alignment follows an existing drainageway to minimize the amount of earthwork and disturbance to area.
- Maintenance responsibilities will need to be determined to ensure long term stabilization of the access and trimming of trees encroaching onto the access.
- Initial alignment shows entry from Doe Trail on north side of existing spring opposite to current trailhead. This entry option would avoid the springs, but would require additional earthwork and access easement from the Knies property to the north.
- An alternative entry location was discussed by the team that comes into the current trailhead. This location would potentially avoid the need for an access easement, but would require a crossing of the existing spring. A culvert or low water crossing could be utilized to allow for passage of flows from the springs through the culvert and overtopping of the access during larger storm events. A bridge or other pre-cast structure could be utilized to span the spring and pass storm flows, but will have a higher cost. As design develops, JVA will review storm runoff and spring flows to allow for a more detailed cost-benefit analysis. Spring flows should be measured in the spring to determine maximum flow rate.
- There was concern with the ditch on the uphill side of the access path in that flow would now be concentrated. Currently runoff sheet flow across the trail and into the springs. Team will review drainage alternatives with geotechnical engineer and Boulder County at later design phases. Due to the steep access route, any drainage system will need erosion/scour protection.
- A blow-up of the access locations at Doe Trail and Magnolia Road will be provided for the next set of plans. The initial assessment is based on LIDAR data and aerial imagery will be included to provide additional detail.
- An alternative alignment was suggested from Wildewood trail along the drainageway and connecting to the current trail alignment south of Doe Trail. The alignment would bypass several of the springs, but would potentially impact the old growth trees near the trail junction. Team to review feasibility.
- Access at Magnolia Road should be designed such that there is a staging area for emergency vehicles, but not attractive to potential campers.
- Pull-out locations should be reviewed and placed at locations downhill of steep sections of the access where feasible to accommodate stalled vehicles. County is flexible on spacing of pull-out spacing.



- *Pull-out locations should also be considered for staging and stockpiling of materials during construction.*
- *Forsythe II environmental assessment is due later this week. Study to be forwarded to team for review. This allows for an additional 3 weeks of review, prior to the draft decision being issued the first week of December. That decision will trigger a separate 30-day objection period.*
- *Wildewood egress/access route will be included in the Forsythe II assessment. Team discussed the potential of only utilizing the shorter Wildewood egress and eliminate the Doe Trail option. The option will be reviewed and potential impacts on response times discussed with Nederland Fire for areas farther east of Wildewood.*
- *There is currently a lode mine with tailing pile spilling into the springs just south of Doe Trail. Current access route will disturb this area and team will review environmental assessment included the mine in its analysis*
- *Forest Service will require a special use permit for the access through Sylvia Clark. Chris Ida will review plans for the Forest Service once an alignment is selected.*

3. Next Steps

- *Team to flag trees that are good specimens to be saved. Chris/Chad will attempt to locate with handheld GPS unit.*
- *JVA to revise plans based on feedback from the team.*
- *Next meeting to be scheduled after the holidays in early January to review progress.*

Sincerely,

JVA, Inc

By:

Chad E. Cantrell, P.E., CFM
Sr. Project Engineer

The foregoing represents our understanding of the items discussed and the conclusions reached.

If no corrections are received within five business days, the project will proceed based on this understanding.