



MEMORANDUM

Project 16134

TO: Kurt Bauer – City of Boulder

FROM: Eric Hahn, P.E. – RJH Consultants, Inc.

DATE: June 13, 2018

RE: South Boulder Creek Regional Detention - Phase I Preliminary Design
Weekly Progress Meeting Minutes

This memorandum presents a summary of items discussed during the June 12, 2018 meeting between the City of Boulder (Boulder) and RJH Consultants, Inc. (RJH) Team for the South Boulder Creek Regional Detention Preliminary Design Project (Project). This memorandum is a summary of the meeting and is not intended to be a verbatim account of what transpired at the meeting. Key discussion items have been grouped based on the meeting topics.

Key Discussion Items

1. A list of project attendees is attached.
2. Geotechnical
 - a. The tire on the drill rig was repaired and the drill rig was moved from B-124 to B-108.
 - b. The remaining borings between US36 and South Boulder Road will be performed following B-108 in an attempt to complete this work before irrigation between US36 and South Boulder Road begins.
 - c. OSMP has an existing well near B-125 and OSMP asked if B-125 is still needed. Relevant well data (i.e. screen elevations and subsurface material profile) cannot be located and this reduces the usefulness of water level readings at this well. As a result, B-125 is still needed.
 - d. OSMP stated that B-101 could be drilled using a truck rig.
 - e. Protective plastic sheeting below the UTV and drill rig caused some browning of underlying grass. We anticipate this will continue with the hot temperatures. The team agreed that the risk of a spill on the UTV would be relatively low and decided not to place the plastic sheeting below the UTV. An opaque plastic sheet will be used below the drill rig to reduce the risk of browning the grass. This approach will be re-evaluated after a couple of days.
 - f. RJH submitted an application to CDOT to install the monitoring wells in the CDOT right of way. CDOT anticipates a 4- to 5-week review period.
 - g. RJH met with Boulder Housing Partners on-site last week to identify a location for the monitoring well. The well will be located on the east side of the property just off of the parking lot.

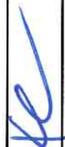
3. Concept selection

- a. The team discussed potential impacts to OSMP property north of US36.
 - a. For Master Plan and Variant 1, the outlet works would likely discharge into Viele Channel. The channel may need to be widened to convey increased flows. There may be wetlands and threatened and endangered species habitat in the channel. RJH will develop a simplified concept for Viele Channel modifications and a cost opinion. RJH will coordinate with Mary to evaluate the environmental impacts.
 - b. For all of the alternatives, energy dissipation facilities would likely be required at the downstream side of the culverts below US36. We anticipate these facilities could be installed within the CDOT ROW.
- b. RJH will develop estimated incremental inundation impacts on OSMP property caused by the flow control structure for smaller flood events (i.e. 2-year to 50-year).
- c. RJH is preparing a memorandum to document the assumptions and methods used to develop the concept-level cost opinions.

South Boulder Creek Flood Mitigation Project

Phase I Preliminary Design Weekly Progress Meeting Sign In Sheet

12-Jun-18

Name	In Attendance	Organization	Phone Number	Email
Kurt Bauer		COB PW Utilities	303-441-4232	bauerk@bouldercolorado.gov
Annie Noble		COB PW Utilities	303-441-3242	noblea@bouldercolorado.gov
Kevin Clark		COB PW Utilities	303-441-3118	clarkk@bouldercolorado.gov
Robbie Glenn		COB PW Utilities	303-413-7134	glennr@bouldercolorado.gov
Laurel Olson-Horen		COB PW Utilities Outreach	303-441-3203	olse11@bouldercolorado.gov
Gretchen King		COB PW Communications	303-441-3005	kingg@bouldercolorado.gov
Molly Scarbrough		COB PW Coordination	303-441-4939	scarbroughm@bouldercolorado.gov
Don D'Amico		COB OSMP	720-564-2055	damicod@bouldercolorado.gov
David Skuodas		UDFCD	303-455-6277	dskuodas@udfcd.org
Rod Eisenbraun		RJH Consultants	303-225-4611	reisenbraun@rjh-consultants.com
Steve Blake		DHI	303-221-3048	shb@dhigroup.com
Chris Kroeger		Muller Engineering	303-988-4939	ckroeger@mullereng.com
Mark Taylor		Architerra Group	303-948-0766	mtaylor@architerragroup.com
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