



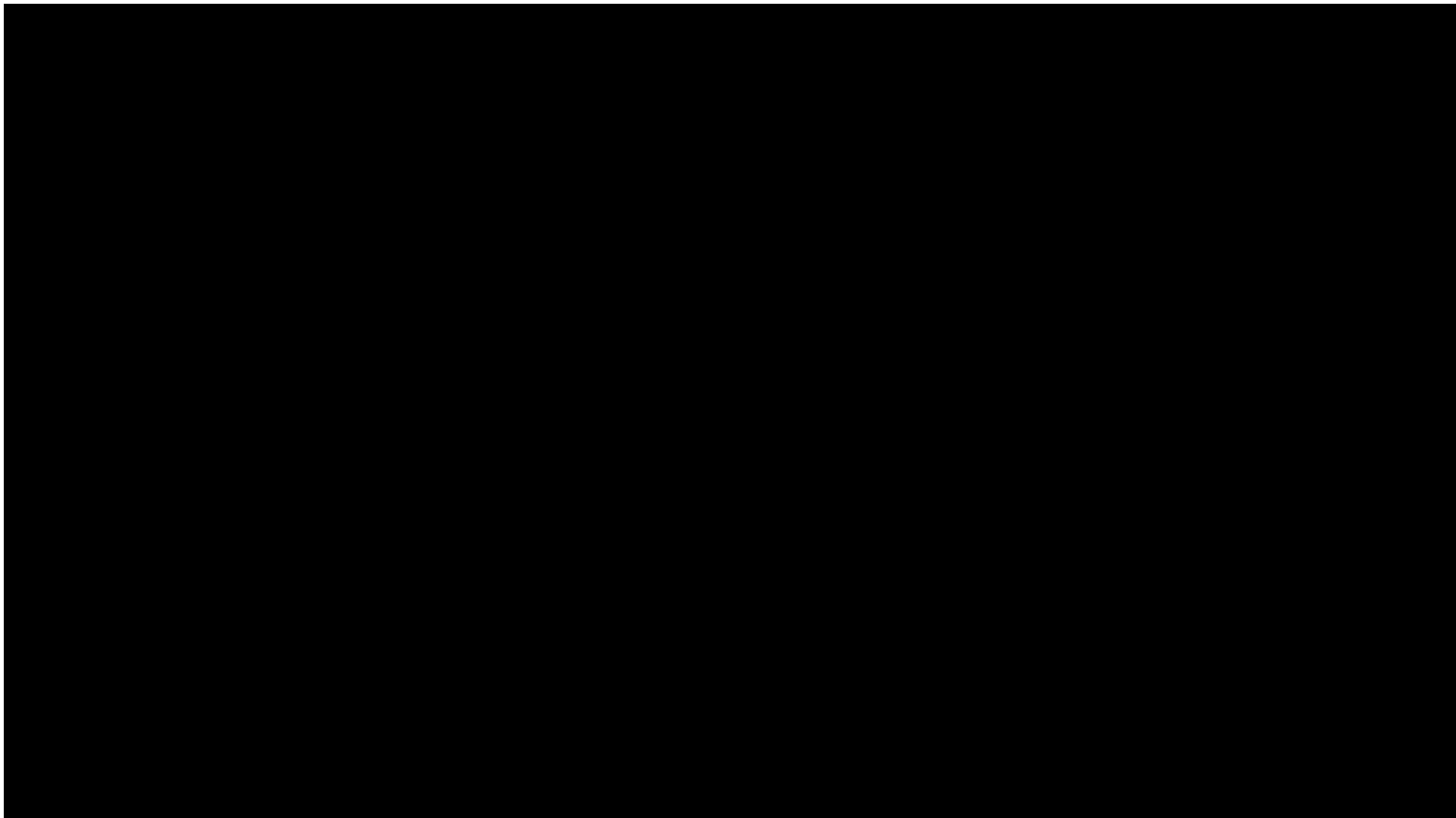
Jamestown Community Meeting

May 12, 2015



Boulder County Spring Run-Off Preparedness

Mike Chard, Director Boulder County Office of Emergency Management





Boulder County CDBG-DR and LTFRG Case Management

Katie Arrington, Flood Recovery Specialist

- CDBG-DR financial assistance (housing rehab, OWS, well, access, reimbursement)



Stephanie Walton, LTFRG Manager

- Case management available for resources beyond CDBG-DR
- Grant funds for home businesses
- Mental health voucher program





Water System Update

- Issue: filter effluent turbidity is higher than previous years
 - **Turbidity** is the cloudiness or haziness of a fluid caused by large numbers of individual particles that are generally invisible to the naked eye, similar to smoke in air. The measurement of turbidity is a key test of water quality.
 - Important because turbidity can shield microorganisms from disinfection and used as an indicator for particle removal.
 - The State regulation for turbidity is < 1.5 NTU 95% of the time and ≤ 5 NTU at any time.
 - ***No water has been put into the system that is not in compliance with State regulations.***
- Treatment Challenges:
 - Watershed is different than pre-flood
 - Pre-treatment infrastructure is still under construction
 - New sand filters are not as biologically mature



Water System Update

- Immediate Precautionary Steps
 - Took filters offline and stopped delivering water into the system
 - Trucked water from Boulder
 - Cleaned and ripened filters 2 weeks
- Intermediate Precautionary Steps – when turbidity is ≥ 1.0 and < 5
 - Begin delivering water into the system
 - Increasing residual disinfection levels from 1.2 mg/L to 2 mg/L
 - To ensure inactivation of giardia, Ecoli, viruses
 - Adding post-filtration cartridge filter
 - To ensure removal of cryptosporidium
- Long-Term Solutions
 - Pre-treatment infrastructure (roughing filter) online
 - Enhancing particle removal
 - Increasing the development of the biological filter layer (schmutzdecke)



Volunteer Update - MDS



- Thank you to **Alvin Graber** (Project Director) and **Rachel Van Wingen** (Office Manager) who have been with our community for 5 weeks! We appreciate your dedication to our town's recovery!
- This week: 4 volunteers / Next week: 5 volunteers
- “Soft close” of MDS team in Jamestown
 - Summer is their down time
 - MDS will not be staffing volunteers
 - Will continue to rent volunteer housing through the summer
 - Potential return in fall for rebuild projects and work in Lyons

They have had an amazing impact on our community since their arrival in June 2014 with over **\$512,200 in volunteer hours!**



Volunteer Update - Habitat



- Habitat hosted a Women's Work Week last week.
- Habitat Volunteers will be moving to a 5-day work week.





Rebuilding Projects

- 29 Main MOVING IN!!!! Potential 5/25
- 34 Main St. construction is underway!
- 175 Main St. working with Flatirons Habitat & Lodestone Architect to design repair of home.
- 67 12th St. working with CDBG-DR funds to rebuild portion of their home that was damaged. Will be working with volunteers through the county to demo and Habitat to rebuild.





Project: Bringing Beauty Back to Jamestown



- Creek residents have met with Landscape Architects to get advice and guidance.
- Each resident has tasks that volunteers will now work on **each Saturday in May and June.**
- Cover crop seed has been purchased through the Rebuild Jamestown Fund.
 - To develop nutrients within soil
 - Bagged/weighed – ready for volunteer help to spread it!
 - Thanks to Dr. Jean Reeder for mix advice
 - Thanks to Glenn at Pawnee Buttes Seed Company ([970-356-7002](tel:970-356-7002))
- **RETREET:** Looking forward to this nonprofit's June 20-21 volunteer weekend. Grady will be back in late May to meet with residents to identify tree preferences and planting location.
- **Garden to Garden:** Plant donations will be distributed **Sunday, May 31st**. Creek residents will receive Bloomin' Bucks to exchange for plants. Volunteers will be on hand to help.
- **KGNU Interview:** To help recruit support and volunteers!

Town participation is encouraged for any of the Saturday volunteer days!



Public Lands

- **Bank Stabilization:** Thanks to Keith Wood, CO State Forester for advice on vegetation to stabilize bank below park.
 - Will be working on a grant application through Reforest CO to get funding.
- **Team Lorax:** Oak will lead the team in planting and nurturing our newest green members once funding is secured.





Hazard Risk, Land Use and Housing Analysis Study



- **Intro to Leese & Associates:** "Howdy"
- **What is it?** The Study - funded through DoLA - builds upon the community's continued recovery efforts including the Long Term Recovery Plan and the Land Use and Housing Analysis Committee (LUHAC)
- **What is its Timing?** The Study will be completed in three stages, the Hazard Risk assessment, the Land Use Analysis and the Housing Analysis. The first phase should be completed within the next 60 days with the final study due by mid November of this year.
- **The Leese team is currently working with:** the Board of Trustees, town staff and an Advisory Team, comprised of members of the BOT and LUHAC, on the best ways to keep all residents informed about the Study's progress.



A grassroots, cross-sector network to help increase Boulder County's capacity to "bounce forward" in the face of future shocks and stresses.

- *Jamestown is actively a part of the development of this group.*
- *Like the IMA, there is no government affiliation.*

- **22 Neighborhood Meetings**

- Recorded what went right/wrong in the response and recovery from 2013 Flood and Four Mile Fire. Displayed results at county Flood Anniversary.

- **\$300K Grant from the State (CDBG-DR)**

- To assess current risks in Boulder County.
- Strengthen communications across sectors and organizations for resource-sharing.
- Raise awareness across county of practical things people and organizations can do to boost resilience.



- **First Quarterly Meeting Was on May 8th**

- Showcased different resilience efforts across county.
- Network opportunity for people in different groups all working toward same goal.

- **Interested in being a part? Sign up at [Meetup.org/bocostrong](https://www.meetup.com/bocostrong)**



No Stress Here, I'm all good!



And just in case... Things to watch for:

- Generally worn out
- Insomnia
- Over sleeping
- Grumpy
- Irritable
- Hard time completing tasks
- Change in appetite
- Anxiety
- Nervous energy
- Short temper
- Depression
- Changes in social connections
- More critical thinking
- Hard on self
- More sensitive to expectations
- Feel like the only answer is 5 weeks on a deserted island...?

...ok, maybe a little stressed...



Stress moves to PTSD:

- Panic Attacks
- Disassociation
- Night Terrors
- Night Sweats
- Anxiety
- Depression
- Suicidal Thoughts

Don't worry, I've got this!



Or perhaps an alternative....

Research Participation Opportunity

E.M.D.R. (Eye Movement Desensitization/Reprocessing)
Reprocessing traumatic events via bi-lateral stimulation

H.R.V. (Heart Rate Variability)
Regulating Autonomic Nervous System through integrated
breath and heart rate focus

A.V.E. (Audio Visual Entrainment)
Intentional entrainment of brainwave frequencies to produce
desired shifts like increase of relaxation/calm

**E/D (Exercise – Diet... Oh wait that's not
really an acronym)**

**Brief Discussion on Experimental Design
and Possible Benefits**



Water System Upgrades Update (DOLA Grant)

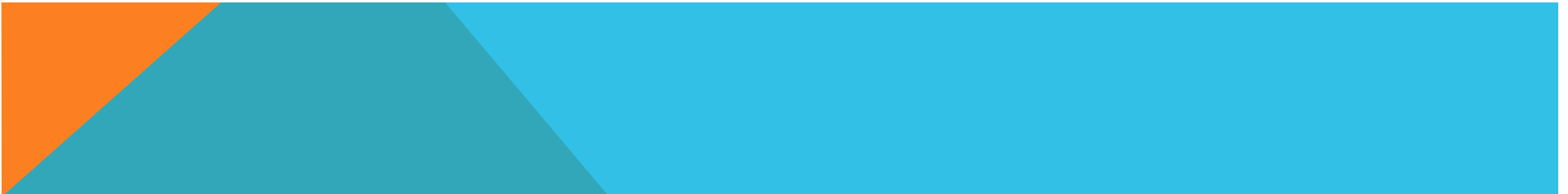
PROJECT SCOPE OF WORK

Town Board awarded the Design & Engineering contract to RG & Associates

- Rick Goncalvas, President (and project manager for Jamestown!)
- Contract = \$75,830 for design and engineering

Scope of Work

- Distribution system
 - Water mains, valves, hydrants replacement
 - Service line re-connections
 - Storage tank inspection, repairs and upgrades
- Water treatment plant
 - High service pump switchgear
 - Treatment of filter washwater
 - Disinfection system SCADA integration
 - Corrosion control
 - Power conditioning



WATER SYSTEM UPGRADES - PROJECT APPROACH

- Jamestown Water Committee developed prioritized scope of work
- Consulting engineer's contract will be a Design To Budget
- Budget will be monitored throughout design and scope adjusted to accommodate
- If contractor bid varies from the engineer's estimate, project scope will be adjusted (either up or down)



PROJECT SCHEDULE

60% Design	May 12, 2015
90% Design	May 28, 2015
100% Design	June 9, 2015
Advertise for Bids	June 15, 2015
Bids Due/Open Bids	July 9, 2015
Select Contractor	July 13, 2015
Issue Notice of Award	July 14, 2015
Issue Notice to Proceed	July 21, 2015
Substantial Completion of Mesa St.	August 18, 2015
Substantial Completion of Whole Project	September 30, 2015

	March	April	May	June	July	August	September
Consultant selection							
Engineering							
Bidding							
Mesa St. Construction							
Other construction							

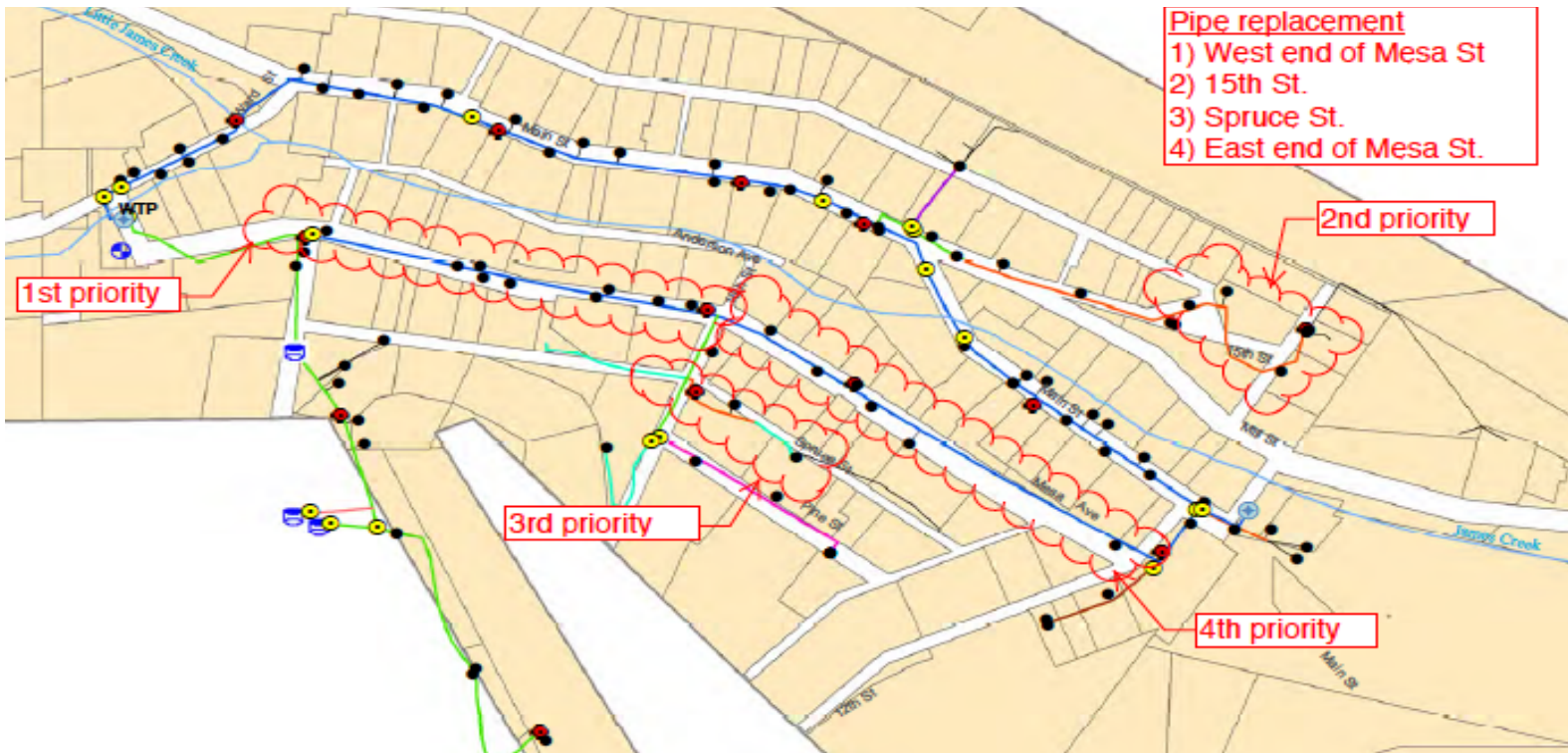
WATER SYSTEM UPGRADES - BUDGET

Funding

DOLA Mineral Impact Grant		\$ 984,982
Boulder County Sustainability Grant	\$	15,000
Donation ACE Engineering in-kind hours		<u>\$ 2,000</u>
Total funds		\$ 1,001,982



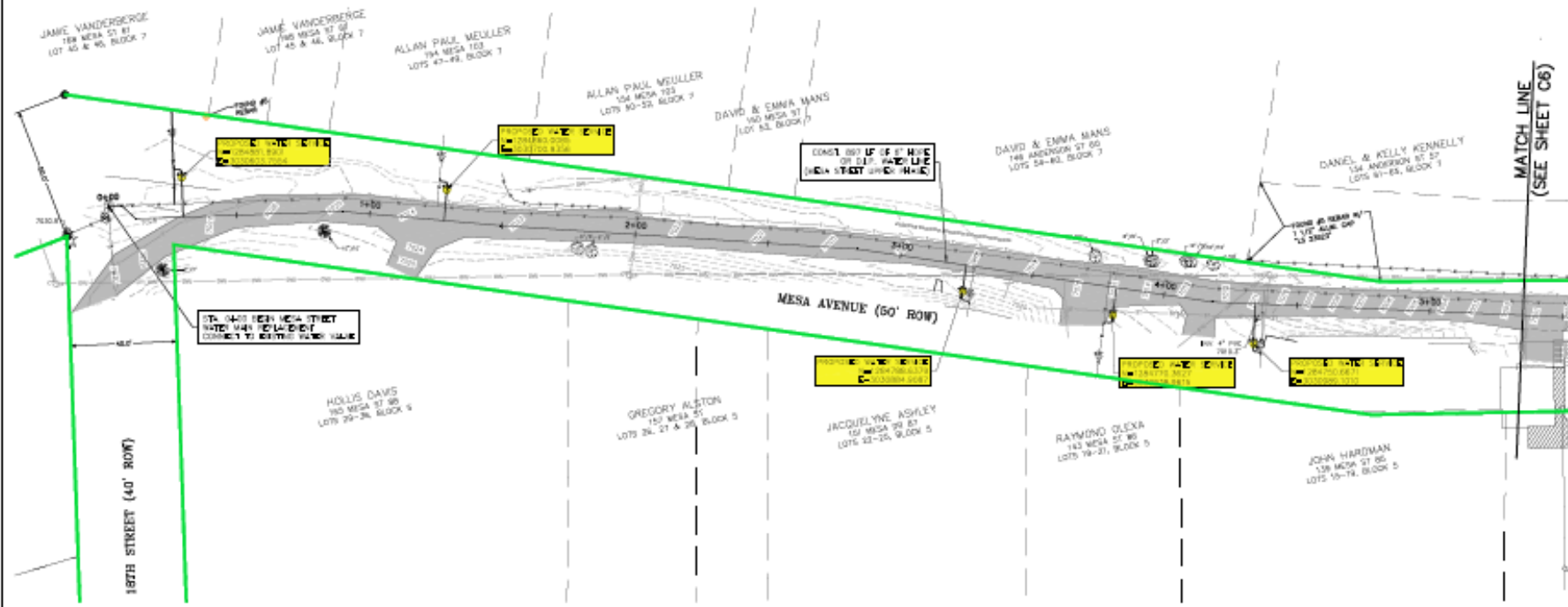
WATER MAIN UPGRADES





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ORIGINAL SCALE 1"=100'

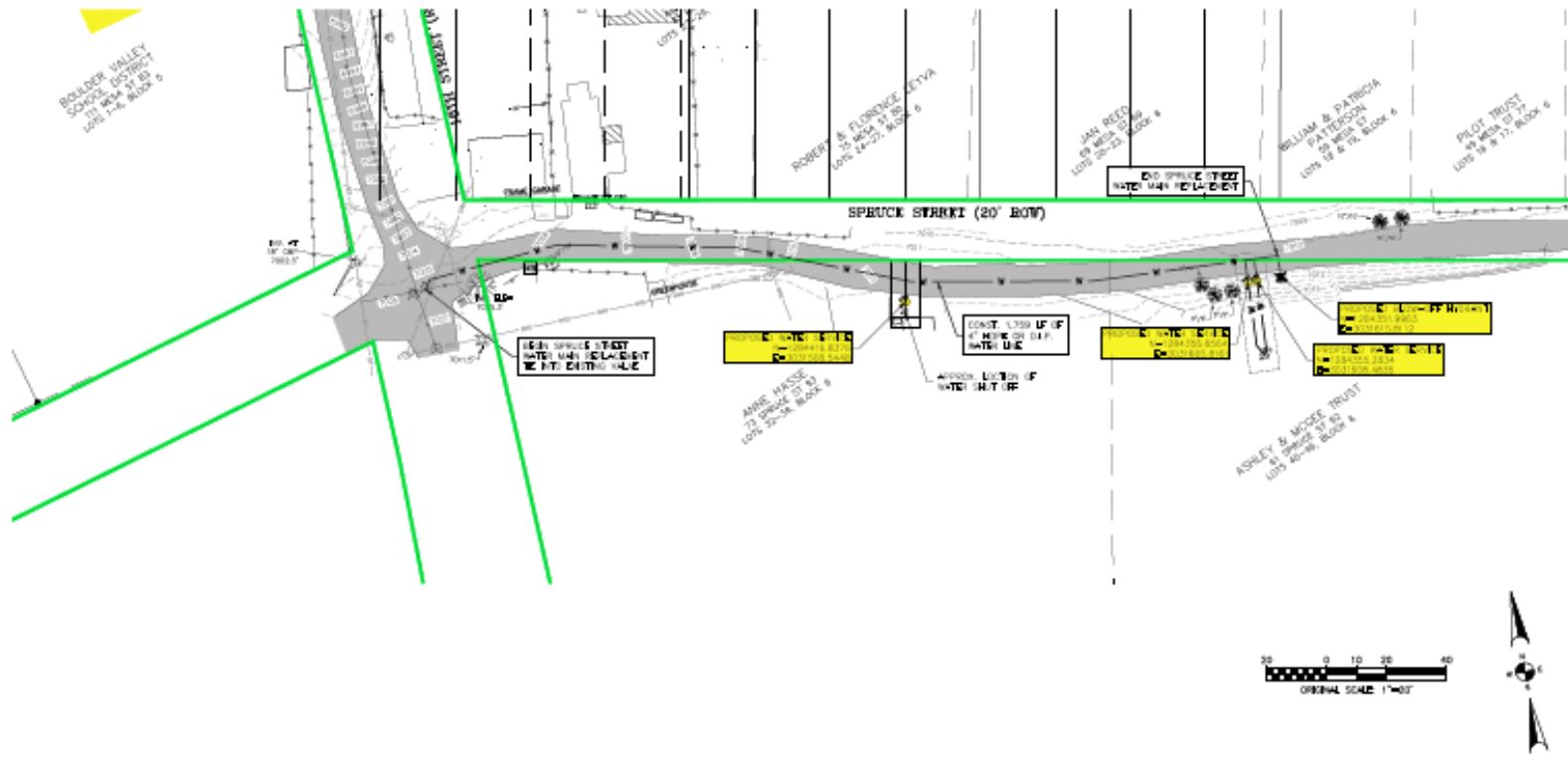
2015 WATER SYSTEM IMPROVEMENTS SHEET C4		KEY MAP PART OF TOWN OF JAMESBORO JAMESBORO, CO 80468		RG AND ASSOCIATES, LLC 300 SOUTH 10TH STREET, SUITE 200 DENVER, CO 80202 303.733.8888		811 SCALE VERIFICATION SEE IF 1"=100' SCALE 1"=100' SCALE	
DATE	10/11/11	DATE	10/11/11	DATE	10/11/11	DATE	10/11/11
BY	JAW	BY	NPW	BY	NPW	BY	NPW
PROJECT NO.	1077.0001	PROJECT NO.	1077.0001	PROJECT NO.	1077.0001	PROJECT NO.	1077.0001
DATE	APRIL 2015	DATE	APRIL 2015	DATE	APRIL 2015	DATE	APRIL 2015
SCALE	N/A	SCALE	N/A	SCALE	N/A	SCALE	N/A
FILED	1077.0001 RUC.dwg	FILED	1077.0001 RUC.dwg	FILED	1077.0001 RUC.dwg	FILED	1077.0001 RUC.dwg
SHEET	C4	SHEET	14	SHEET	C4	SHEET	14



60% CONSTRUCTION PLANS

2015 WATER SYSTEM IMPROVEMENTS MESA STREET WATER LINE PLAN AND PROFILE STA 1+00 TO 1+00 TO DATE: 04/01/2015 BY: JAW/NPM CHECKED: N/A DATE: 04/01/2015 BY: JAW/NPM		RG AND ASSOCIATES, LLC 4800 West Road, Suite 200 • West Ridge, CO 80120 303.555.1337 • 303.555.1338 • Fax: 303.555.1339 • www.rgandassociates.com		811 UTAH DEPARTMENT OF HERITAGE SCALE: 1"=40' DATE: 04/01/2015 BY: JAW/NPM CHECKED: N/A DATE: 04/01/2015 BY: JAW/NPM	
SHEET NO. 1077.0001	TOTAL SHEETS 1	PROJECT NO. 1077.0001	CLIENT CITY OF JARVISVILLE	DATE 04/01/2015	BY JAW/NPM
DRAWN BY JAW	CHECKED BY NPM	PROJECT NO. 1077.0001	CLIENT CITY OF JARVISVILLE	DATE 04/01/2015	BY JAW/NPM
SHEET NO. 1077.0001	TOTAL SHEETS 1	PROJECT NO. 1077.0001	CLIENT CITY OF JARVISVILLE	DATE 04/01/2015	BY JAW/NPM

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60% CONSTRUCTION PLANS

2015 WATER SYSTEM IMPROVEMENTS	
DATE	1/15/15
BY	JAV
CHECKED BY	NPM
PROJECT NO.	10777.0001
DATE	APRIL 2015
BY	N/A
CHECKED BY	10777.0001
DATE	1/15/15

RG AND ASSOCIATES, LLC
 4800 North Road, Suite 200 • Wheat Ridge, CO 80033
 303.424.4400 • 303.424.4401 • www.rgassoc.com

REVISIONS	
NO.	DATE
1	1/15/15
2	1/15/15
3	1/15/15
4	1/15/15
5	1/15/15
6	1/15/15
7	1/15/15
8	1/15/15
9	1/15/15
10	1/15/15

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Water System Resiliency Project Update (CDPHE Grant)



Water System Resiliency Project Update

- Project components:
 - Stage 1
 - Upgrades to existing infrastructure
 - Develop redundant water supply (deep wells)
 - Addition of a portable generator
 - Stage 2
 - WTP alarm and system communications
 - Installation of closed loop geothermal system at the WTP
- Schedule:
 - Contract with AMEC executed 4/13/15
 - Design and construction Spring 2015 thru May 2016

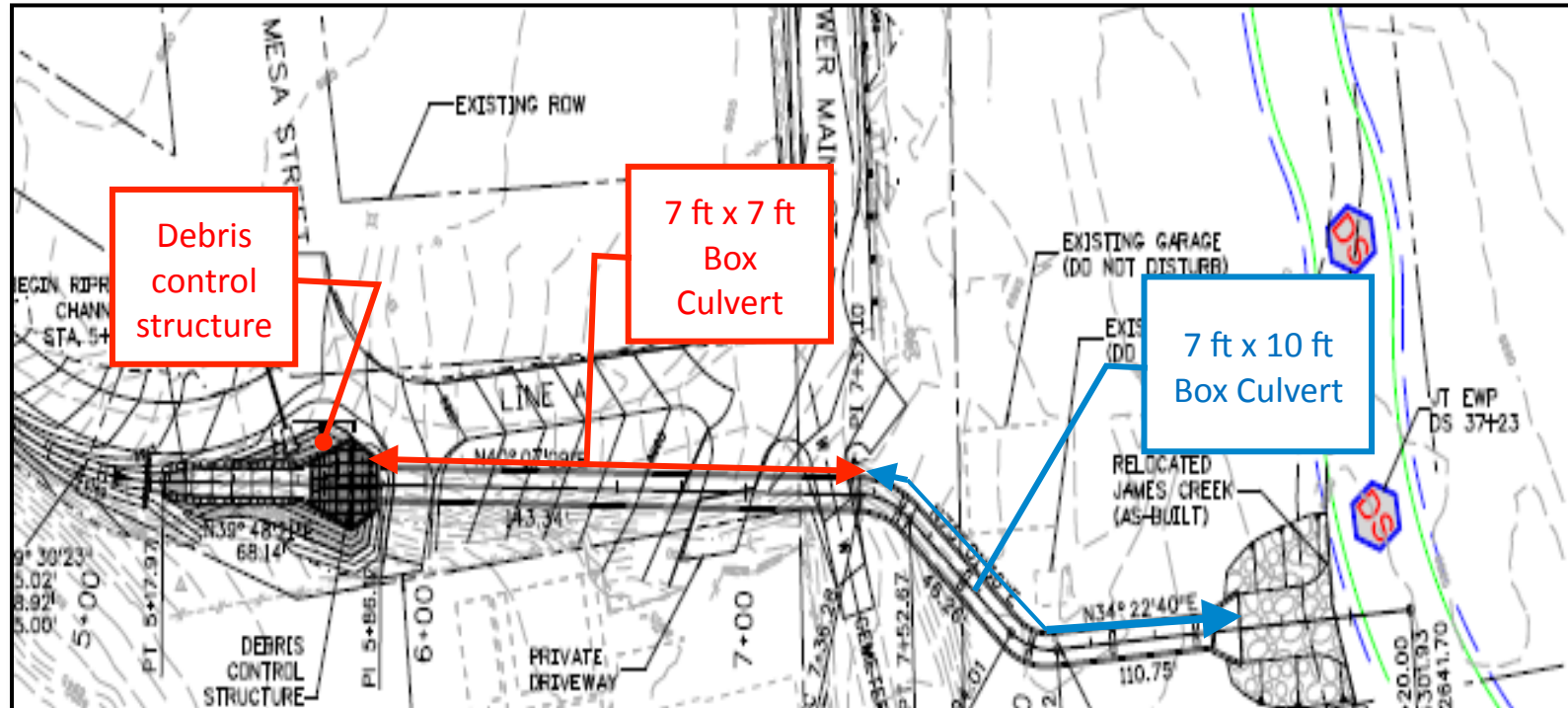


Gillespie Gulch Update (FEMA/CDBG-DR)

On Hold

(FEMA is reviewing the Town's procurement of this work)

Gillespie Gulch Culvert – Design Features



Design Features

- 150 linear feet of 7 ft x 7 ft concrete box culvert with upstream debris control structure
- 123 linear feet of 7 ft x 10 ft concrete box culvert with energy dissipating baffles and removable top slab for cleanout access after major flood events

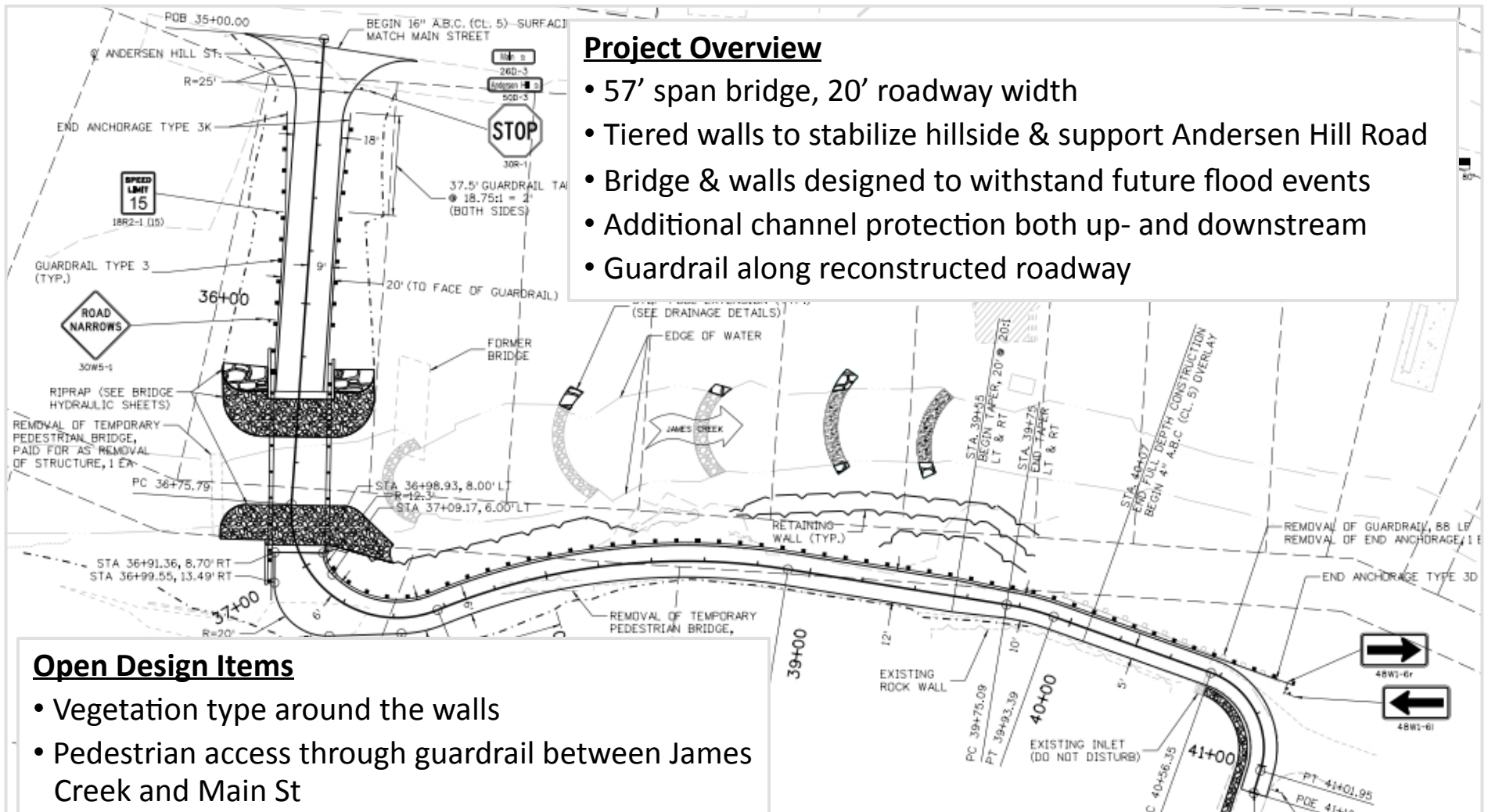


Example debris control structure



Andersen Hill Project Overview (FEMA/CDBG-DR)

Andersen Hill Bridge & Walls– Project Overview





Irrigation Ditch Update (FEMA/CDBG-DR)



FEMA – Irrigation ditch reconstruction

- Draft RFP preparation underway
- Rough schedule
 - Send RFP out within the next month
 - Engineering late spring and early summer
 - Construction late summer and early fall



Other Updates



Other Updates

Andersen Hill and Bridge Project

- Working through property access required for project
- Estimated start date is after spring run-off

CDBG-DR – Rose M Subdivision Water Main Extension

- Project is in environmental review
- Hope to have release of funds by May and contract by June (if all goes well)

Recovery Infrastructure Projects			Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Gillespie Gulch Culvert	FEMA																	
Andersen Hill Road & Bridge	FEMA																	
Town Square Reconstruction	FEMA & GOCO																	
Elysian Park Repairs	FEMA & GOCO																	
Water Treatement Plant	FEMA																	
Natural Disaster Relief Projects	CDPHE																	
Water Line Project	DOLA																	
Irrigation Ditch Project	FEMA																	
County Road 94 (& Howlett's Gulch?)	FEMA																	



Questions?

**Thank You Jamestown Merc,
Rainbow & Adam!**