



Public Works - Stormwater Division
 20120 E. Mainstreet
 Parker, Colorado 80138
 303.840.9546

PERMIT #: _____

DATE: 03.15.2021

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

Applicant Information

Owner: Larry Jacobson	Contractor: TBD
Address: 8390 E. Crescent Parkway, Suite 300	Address: TBD
c/o CliftonLarsonAllen LLP Greenwood Village, CO 80111	TBD
Phone: N/A	Phone: TBD
Contact Name: Rick Moore, Manhard Consulting LTD	Contact Name: TBD
Contact Phone and Email: 303.531.3500 rmoore@manhard.com	Contact Phone and Email: TBD

Project Information

Project Location/Directions: Located at Happy Canyon Creek south of E-470 and west of Chambers Road
<input checked="" type="checkbox"/> Bridge/Culvert <input type="checkbox"/> Utility Line <input type="checkbox"/> Substantial Improvement >50% <input type="checkbox"/> New Structure <input type="checkbox"/> Structure Addition <input type="checkbox"/> Manufactured (Mobile) Home <input checked="" type="checkbox"/> Non-Residential <input checked="" type="checkbox"/> Grading/Fill <input checked="" type="checkbox"/> Channelization <input type="checkbox"/> Levee <input checked="" type="checkbox"/> Trail Construction <input checked="" type="checkbox"/> Drainage Infrastructure Improvement
Project Description: New bridge for Belford Ave. over Happy Canyon Creek, trail improvements and channel grade control structures.

Flood Hazard Data

Watercourse Name: Happy Canyon Creek	
The proposed project is in the:	<input checked="" type="checkbox"/> Floodway <input checked="" type="checkbox"/> Floodway Fringe
Flood Zone:	<input type="checkbox"/> A <input checked="" type="checkbox"/> AE <input checked="" type="checkbox"/> X (Shaded) <input type="checkbox"/> Other (Specify) _____
Base Flood (1% Annual Chance Flood) Elevation at project site: 5576	
Flood Insurance Rate Map Number: 08035C0062H & 08035C0066H	Effective: September 9, 2020
*Attach a copy of FIRM with approximate limits of proposed project shown	
Elevation required for lowest floor: <u>N/A</u>	Floodproofing: <u>N/A</u>

Proposal Review Checklist

<input type="checkbox"/> Yes/ <input type="checkbox"/> No	Site development plans are complete/attached and depict flood hazard data
If "No", Explain:	
<input type="checkbox"/> Yes/ <input type="checkbox"/> No	Engineering data and analysis is attached (Signed/Sealed by a Professional Engineer)
If "No", Explain:	
Yes/ <input type="checkbox"/> No	Floodway Certificate and data documents no increase in base flood elevation
If "No", Explain: N/A - Approved CLOMR from FEMA attached	
<input type="checkbox"/> Yes/ <input type="checkbox"/> No	Subdivision proposals minimize flood damage and protect utilities
If "No", Explain:	
Yes/ <input type="checkbox"/> No	Lowest floor elevations are two feet above the base (1% Annual Chance) flood level
If "No", Explain: N/A	
Yes/ <input type="checkbox"/> No	Manufactured homes address elevation and anchoring requirements
If "No", Explain: N/A	
<input type="checkbox"/> Yes/ <input type="checkbox"/> No	Floodproofing certification by a registered Professional Engineer or Architect
If "No", Explain:	

Structure Information

See Attached	Elevation in relation to mean sea level of lowest floor (including basement)*
See Attached	Elevation in relation to mean sea level to which structure has been floodproofed*
*If more than one structure, attach list with respective elevations	

Applicant Signature

Property Owner Name: _____	Title: _____
Property Owner Signature (Required): _____	Date: _____
Owner's Designated Agent: Name: _____	Company: _____
Owner's Designated Agent Signature: _____	Date: _____
<i>*Note: Applicant is responsible for obtaining all other applicable federal, state and local permits</i>	

Permit Action

Recommendation for approval	
Designated Town Authority: _____ Date: _____	
	Permit Approved: The information submitted for the proposed project was reviewed and is in compliance with Town floodplain regulations.
	Permit Denied: The proposed project does not meet Town floodplain regulations
	Variance Granted: A variance was granted from the base (1% Annual Chance) flood elevations established by FEMA consistent with variance requirements fo NFIP regulations Part 60.6 (variance action documentation is attached)
Floodplain Administrator's Signature: _____ Date: _____	
Comments: _____	



Federal Emergency Management Agency

Washington, D.C. 20472

November 20, 2019

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Mike Waid
Mayor, Town of Parker
20120 East Main Street
Parker, CO 80138

IN REPLY REFER TO:

Case No.: 19-08-0690R
Community Name: Town of Parker, CO
Community No.: 080310

104

Dear Mayor Waid:

We are providing our comments with the enclosed Conditional Letter of Map Revision (CLOMR) on a proposed project within your community that, if constructed as proposed, could revise the effective Flood Insurance Study (FIS) report and Flood Insurance Rate Map for your community.

If you have any questions regarding the floodplain management regulations for your community, the National Flood Insurance Program (NFIP) in general, or technical questions regarding this CLOMR, please contact the Director, Mitigation Division of the Federal Emergency Management Agency (FEMA) Regional Office in Denver, at (303) 235-4830, or the FEMA Map Information eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <https://www.fema.gov/national-flood-insurance-program>.

Sincerely,

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

Enclosure:

Conditional Letter of Map Revision Comment Document

cc: Mr. Tom Williams, P.E.
Director of Public Works/ Engineering
Town of Parker

Ms. Terri Fead, P.E.
Project Manager
Mile High Flood District

Mr. Kevin Houck, P.E., CFM
Chief, Watershed and Flood Protection Section
Colorado Water Conservation Board

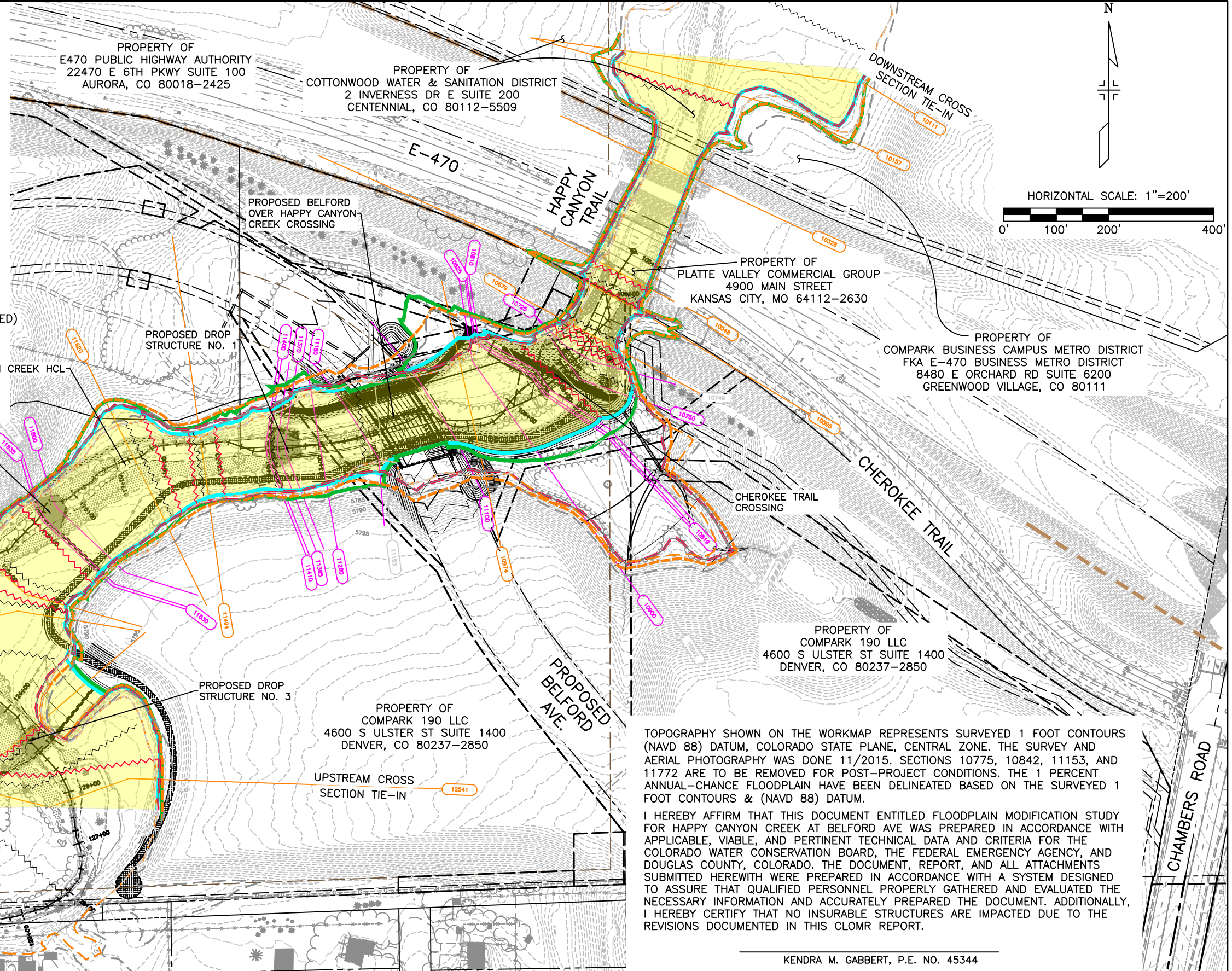
Ms. Kendra Gabbert, P.E.
Felsburg Holt & Ullevig

Ms. Amie Drucker, P.E.
Project Manager
Manhard Consulting

Mr. Zachary Grady
Felsburg Holt & Ullevig

LEGEND

- FHAD FLOODWAY LIMITS
- - - 100 YR FHAD FLOODPLAIN LIMITS
- - - 100 YR PRE-PROJECT FLOODPLAIN LIMITS
- PRE-PROJECT FLOODWAY LIMITS
- 100 YR POST-PROJECT FLOODPLAIN LIMITS
- POST-PROJECT FLOODWAY LIMITS
- 500 YR FHAD FLOODPLAIN LIMITS
- 500 YR PRE-PROJECT FLOODPLAIN LIMITS
- 500 YR POST-PROJECT FLOODPLAIN LIMITS
- 100 YR FHAD BFE
- 100 YR POST-PROJECT BFE
- 12541 --- 2014 FHAD CROSS-SECTION
- 12436 --- FHU ADDED CROSS-SECTION
- 11772 --- 2014 FHAD CROSS-SECTION (TO BE REMOVED)
- EXISTING ROW
- EXISTING EASEMENT
- SURVEYED 1 FT CONTOURS (VERTICAL DATUM =NAVD 88)
- WETLANDS



TOPOGRAPHY SHOWN ON THE WORKMAP REPRESENTS SURVEYED 1 FOOT CONTOURS (NAVD 88) DATUM, COLORADO STATE PLANE, CENTRAL ZONE. THE SURVEY AND AERIAL PHOTOGRAPHY WAS DONE 11/2015. SECTIONS 10775, 10842, 11153, AND 11772 ARE TO BE REMOVED FOR POST-PROJECT CONDITIONS. THE 1 PERCENT ANNUAL-CHANCE FLOODPLAIN HAVE BEEN DELINEATED BASED ON THE SURVEYED 1 FOOT CONTOURS & (NAVD 88) DATUM.

I HEREBY AFFIRM THAT THIS DOCUMENT ENTITLED FLOODPLAIN MODIFICATION STUDY FOR HAPPY CANYON CREEK AT BELFORD AVE WAS PREPARED IN ACCORDANCE WITH APPLICABLE, VIABLE, AND PERTINENT TECHNICAL DATA AND CRITERIA FOR THE COLORADO WATER CONSERVATION BOARD, THE FEDERAL EMERGENCY AGENCY, AND DOUGLAS COUNTY, COLORADO. THE DOCUMENT, REPORT, AND ALL ATTACHMENTS SUBMITTED HERewith WERE PREPARED IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE NECESSARY INFORMATION AND ACCURATELY PREPARED THE DOCUMENT. ADDITIONALLY, I HEREBY CERTIFY THAT NO INSURABLE STRUCTURES ARE IMPACTED DUE TO THE REVISIONS DOCUMENTED IN THIS CLOMR REPORT.

KENDRA M. GABBERT, P.E. NO. 45344

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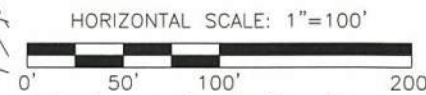
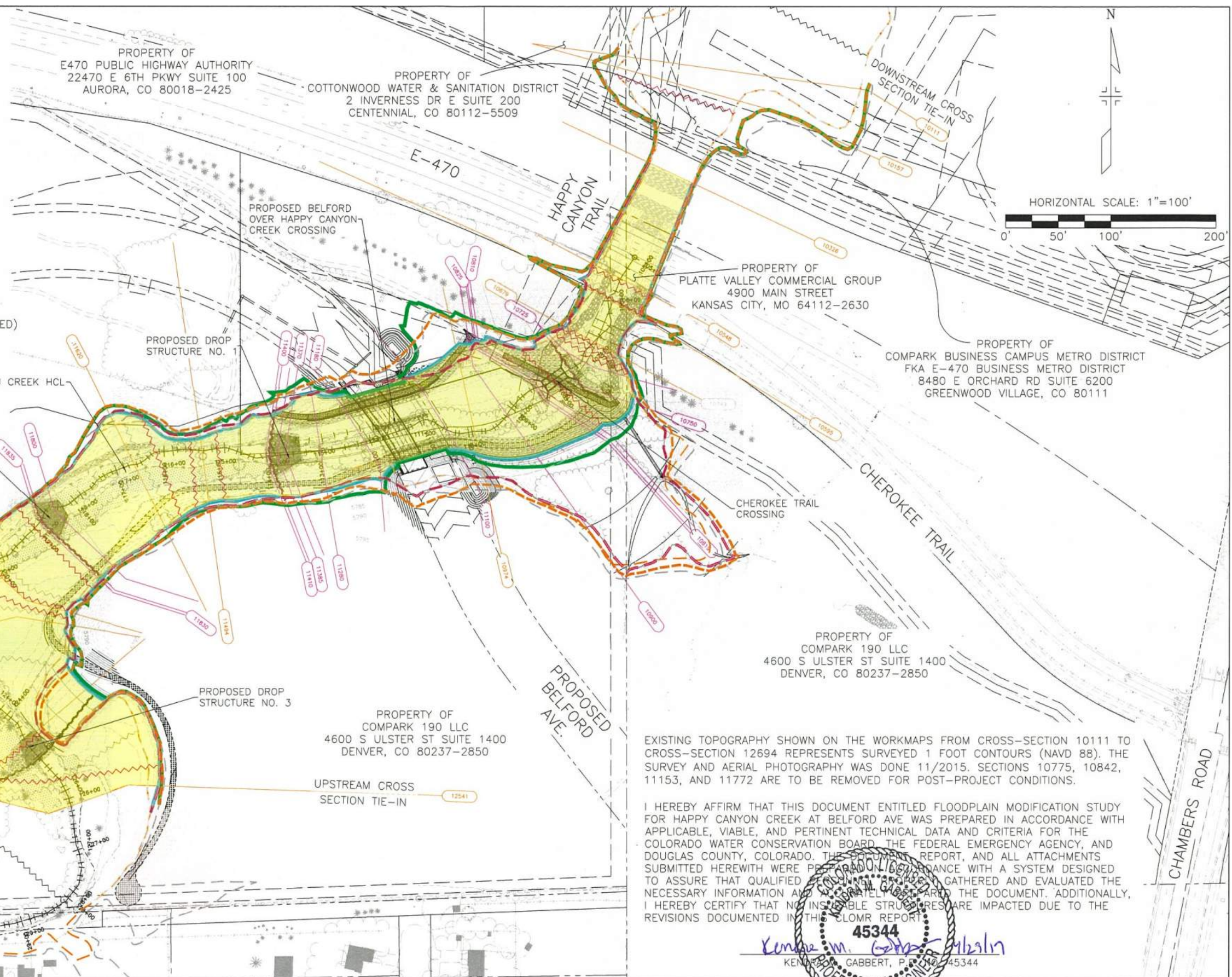
Sheet Revisions			
Date	Comments	Initials	

8008 E. Arapahoe Court, Suite 110, Centennial, CO 80112 ph:303.728.0800 fx:303.728.0400 manhard.com
 Civil Engineers • Surveyors • Water Resource Engineers • Water & Wastewater Engineers
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

As Constructed	BELFORD-HAPPY CANYON CREEK FLOODPLAIN WORK MAP (FOR FHAD)		Project No./Code
No Revisions:	Designer: CDT	Structure Numbers	
Revised:	Detailer: ZJG	Sheets: 1 of 1	Sheet Number
Void:	Subset:		

LEGEND

-  FHAD FLOODWAY LIMITS
-  100 YR FHAD FLOODPLAIN LIMITS
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-  EXISTING ROW
-  EXISTING EASEMENT
-  SURVEYED 1 FT CONTOURS
-  WETLANDS




EXISTING TOPOGRAPHY SHOWN ON THE WORKMAPS FROM CROSS-SECTION 10111 TO CROSS-SECTION 12694 REPRESENTS SURVEYED 1 FOOT CONTOURS (NAVD 88). THE SURVEY AND AERIAL PHOTOGRAPHY WAS DONE 11/2015. SECTIONS 10775, 10842, 11153, AND 11772 ARE TO BE REMOVED FOR POST-PROJECT CONDITIONS.

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Kenneth M. Gabbert
45344
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 Horizontal Scale: Vertical Scale:
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 tel 303.721.1440
 fax 303.721.0832

Sheet Revisions			
(R-X)	Date	Comments	Initials



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As Constructed
 No Revisions:
 Revised:
 Void:

BELFORD OVER HAPPY CANYON CREEK FLOODPLAIN WORK MAP

Designer:	CDT	Structure Numbers
Detailer:	ZJG	
Subset:		Sheets: 1 of 1

Project No./Code
 Sheet Number