



Timnath Connell Pit (M-1999-050) Letter for TR7

William Schenderlein <bill@blueearthsolutions.net>

Wed, Mar 22, 2023 at 1:24 PM

To: "patrick.lennberg@state.co.us" <patrick.lennberg@state.co.us>

Cc: Kevin Anderson <kanderson@connellresources.com>

Patrick – we've included with this email a letter and attachments that provides additional/updated information for DRMS permit M-1999-050 Technical Revision 7. If you have any questions or would like additional information please call or email me.

Bill Schenderlein, P.E.

Blue Earth Solutions, LLC

P.O. Box 2427

Fort Collins, CO 80522

(970) 227-2803

2 attachments



Timnath Connell Pit (M-1999-050) Letter.pdf

74K



Timnath Connell Pit Letter Attachments.pdf

13698K



March 22, 2023

Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Attn: Mr. Patrick Lennberg
1313 Sherman Street; Room 215
Denver Colorado, 80203

**RE: Connell Resources, Inc. – Timnath Connell Pit, Permit No. M-1999-050
Additional Information Relevant to Technical Revision No. 7**

Dear Mr. Lennberg:

The following discussion and attachments are submitted on behalf of our client, Connell Resources, Inc., for the Timnath Connell Pit, M-1999-050. It has been brought to our attention that some of the material provided to the Division of Reclamation, Mining and Safety for Technical Revision No. 7 (TR7) did not include the most current information. Specifically, information regarding the relocation of the Box Elder Ditch and potential Cache la Poudre floodplain impacts. This letter provides additional material to update and supplement the information previously submitted for TR7.

The Timnath Connell Pit is located approximately one-half mile south of the Town of Timnath in Larimer County, Colorado. The Timnath Connell Pit was originally permitted for sand gravel mining in 1999 and includes approximately 157.6 acres.

The purpose of TR7 was to provide documentation for the Box Elder Ditch relocation and to revise the Reclamation Plan Map with updated proposed site conditions. Although the 2007 Technical Revision (TR2) Reclamation Plan Map illustrated the proposed future location of the Box Elder Ditch, approved plans for the ditch relocation were not yet in place. In addition to verifying the new ditch location, TR7 provided Box Elder Ditch Company approval to relocate the ditch.

Attached excerpts from the Box Elder Ditch relocation plans include a profile of the new ditch within the Timnath Connell Pit permit boundary (see Attachment A). A comparison of the relocated ditch profile elevations with the 2007 TR2 Pre-Mining/Mining Plan Map suggests that the final constructed ditch elevation will be higher than the pre-mining ground surface elevation. Since the new ditch location is within the Federal Emergency Management Agency (FEMA) Special Flood Hazard Area (100-year floodplain) for the Cache la Poudre River (reference Flood Insurance Rate Map 08069C1013F, Effective Date December 19, 2006), the final ditch elevation would have the potential to impact flood flow elevations.

Since the Cache la Poudre River floodplain in the Timnath Connell Pit area is managed by Larimer County and the Town of Timnath, in 2021 a Conditional Letter of Map Revision (CLOMR) was requested through both these communities (see Attachment B) in support of Timnath Connell Pit reclamation and other site development in the area. Following review, FEMA issued a CLOMR on February 3, 2022 (see Attachment C). The issued CLOMR includes a large fill area that allows development within the previously mapped floodplain and proposes revising the FEMA Flood Insurance Rate Map and floodplain boundaries with updated/as-built information and hydraulic analyses after the fill placement.

Mr. Patrick Lennberg
RE: Timnath Connell Pit M-1999-050
March 22, 2023

The attached comparative workmap from the CLOMR materials illustrates that the Timnath Connell Pit and the location of the relocated Box Elder Ditch are within the CLOMR study area (see Attachment D) and will be located outside the Cache la Poudre River floodplain delineated in the issued CLOMR. A closeup excerpt from the workmap (see Attachment E) with the relocated Box Elder Ditch overlaid shows that, following post construction hydraulic analyses and FEMA map revision submittal, most of the Timnath Connell Pit site and the new Box Elder Ditch alignment are located outside of the CLOMR's proposed floodplain boundary.

With the above information, a revised response to the TR7 adequacy review comment regarding floodplain impacts from the relocated Box Elder Ditch is appropriate. The adequacy review included a question regarding how the relocated ditch would impact the Cache la Poudre River floodplain and if local authorities had been notified of the potential impacts. Potential impacts from the new ditch location were incorporated into the CLOMR floodplain analyses and the new ditch has been located outside of the revised 100-year floodplain boundary. Through the CLOMR process, the Town of Timnath and Larimer County floodplain administrators have been notified of the new ground elevations and proposed revised floodplain boundaries. The new Box Elder Ditch alignment will be located within the newly created fill area.

If you have any questions regarding the technical revision or the information and exhibits provided, please call me directly at (970) 227-2803.

Sincerely,
Blue Earth Solutions, LLC



William Schenderlein, P.E.
Project Manager

Attachments

ATTACHMENT A

Relocated Box Elder Ditch
Plan and Profile Sheets

PROJECT TEAM:

DEVELOPER/APPLICANT
 CMH Properties LLC
 7785 Highland Meadows Parkway, Suite 100
 Fort Collins, Colorado 80528

SITE ENGINEER

Galloway & Company
Jenny Romano
5265 Ronald Reagan Blvd., Suite 210
Johnstown, Colorado 80534
970.800.3300

PLANNER/LANDSCAPE ARCHITECT

Galloway & Company
Kara Scheetz
5265 Ronald Reagan Blvd., Suite 210
Johnstown, Colorado 80534
970.800.3300

SURVEY

Galloway & Company
Reade Roselles
5265 Ronald Reagan Blvd., Suite 210
Johnstown, Colorado 80534
970.800.3300

PROJECT BENCHMARKS:

BASIS OF BEARING

ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM 1983. THE WEST LINE OF THE SOUTHEAST QUARTER OF SECTION 3 BEARS N 203°44' W FOR 2051.93', MONUMENTED AT THE CENTER QUARTER CORNER OF SECTION 3 BY NO. 6 REBAR WITH 3-1/4" ALUMINUM CAP, STAMPED "LS 25384" AND TO THE SOUTH BY A NO. 4 REBAR WITH 1" YELLOW PLASTIC CAP, STAMPED "LS 31169" AS SHOWN HEREON WITH ALL OTHER BEARINGS RELATIVE THERE TO.

BENCHMARKS

BENCHMARK - CITY OF FORT COLLINS BENCHMARK # 21-01 LOCATED ON THE NORTH SIDE OF HARMONY ROAD, EAST OF THE NORTHBOUND RAMP TO I-25 ON A STORM INLET.

Elevation=4868.56 (NAVD88)



N.T.S.

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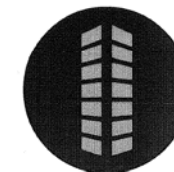
SHEET INDEX

C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS PLAN
C2.0	OVERALL IRRIGATION AND PHASING PLAN
△ C2.1-C2.5	IRRIGATION PLAN AND PROFILES
C2.6-C2.9	IRRIGATION DETAILS
C3.0	TEMPORARY IRRIGATION OVERALL NORTH
C3.1	TEMPORARY IRRIGATION OVERALL SOUTH
C3.2	TEMPORARY IRRIGATION BYPASS PLAN AND PROFILE
C3.3	TEMPORARY HARRISON LATERAL PLAN AND PROFILE



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**LADERA
BOX ELDER DITCH UNDERGROUNDING**

TIMNATH, CO

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURVEY EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH THE USE OF ALTERNATIVE SURVEYING METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR RESPONSIBLE FOR AS-BUILT DRAWINGS, TESTS, REPORTS AND/OR ANY OTHER CERTIFICATES OR INFORMATION AS REQUIRED FOR ACCEPTANCE OF WORK FROM CITY, UTILITY DISTRICTS OR ANY OTHER GOVERNING AGENCY.
4. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION. CONTRACTOR SHALL HAVE LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THEIR COST.



Know what's below
Call before you

THE BOX ELDER DITCH CO.

Daniel 6-10-22
Ditch Company Representative Date

All changes, addendums, additions, deletions and modifications to these drawings must be approved, in writing, by the Box Elder Ditch Co.

TOWN OF TIMNATH, COLORADO
DRAWING APPROVAL

REVIEW IS FOR GENERAL COMPLIANCE WITH
TOWN STANDARDS. NO RESPONSIBILITY
IS ASSUMED FOR CORRECTNESS OF DESIGN

Steve Z. Numa 6-10-2

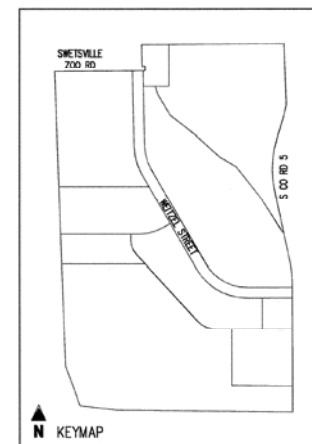
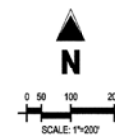
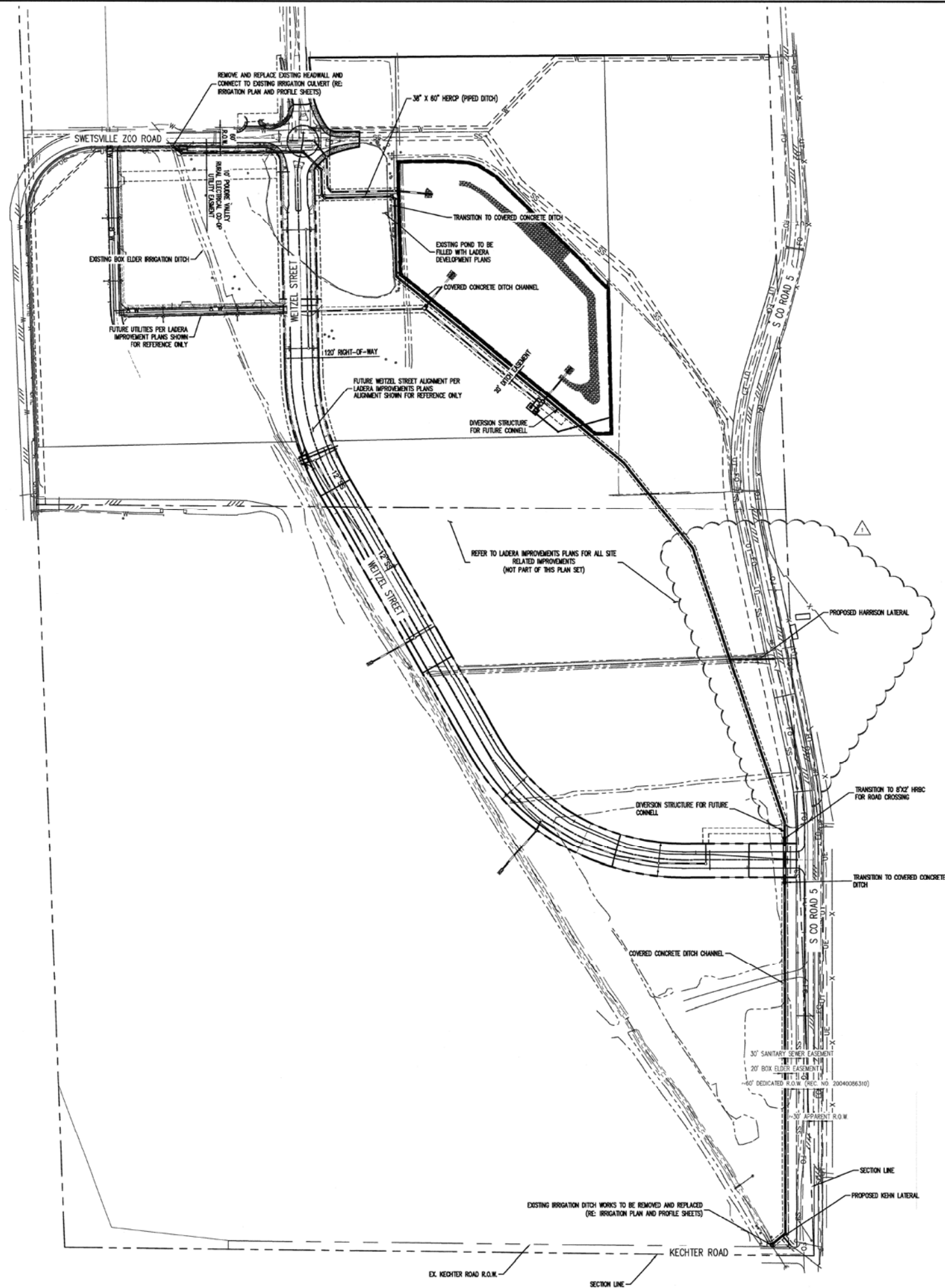
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Project No:	CNL000001
Drawn By:	ALS
Checked By:	JRF
Date:	02/22/2022

COVER SHEET

C0.0

5265 Ronald Reagan Blvd., Suite 210
Johnstown, CO 80534
970.800.3300
GallowayUS.com



LEGEND:

PROPOSED WATER MAIN	---
EXISTING WATER MAIN	---
PROPOSED SANITARY SEWER	---
EXISTING SANITARY SEWER	---
PROPOSED FIRE HYDRANT	---
EXISTING FIRE HYDRANT	---
PROPOSED STORM DRAIN	---
EXISTING STORM DRAIN	---
PROPOSED CURB AND GUTTER	---
PROPOSED EASEMENT LINE	---
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PROPOSED MANHOLE	---
EXISTING MANHOLE	---
PROPOSED WATER LOWERING	---
PROPOSED STORM INLET	---
EXISTING STORM INLET	---
PROPOSED FES AND RIP RAP	---
EXISTING FES AND RIP RAP	---

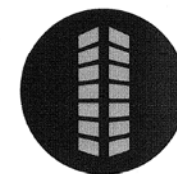
NOTES:

1. THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES IN THE AREA OF THE WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL UNKNOWN UNDERGROUND UTILITIES.
2. ALL JOINTS ON ELLIPTICAL PIPES SHALL BE TONGUE AND GROOVE WITH FLEXIBLE JOINT SEAL COMPOUND STANDARD WITH THE PIPE MANUFACTURER AND AS APPROVED BY TOWN INSPECTOR.
3. PIPE LENGTHS ARE CALCULATED FROM THE CENTER OF MANHOLES AND INSIDE EDGE OF INLET BOX STRUCTURES. SPECIFIED LENGTH OF PIPE INCLUDES THE LAYING LENGTH OF FLARED END SECTIONS.
4. CLASS II RCP (OR GREATER) SHALL BE USED WITHIN THE ROAD R.O.W. AND N-12 OR APPROVED EQUIVALENT HOPE PIPE MAY BE USED AS AN ALTERNATE OUTSIDE OF THE R.O.W. UNLESS NOTED OTHERWISE.
5. ALL STORM MANHOLES LOCATED IN SIDEWALKS AND TRAILS SHALL HAVE PEDESTRIAN RATED LIDS.
6. MANHOLE DIAMETERS SHOWN ARE THE MINIMUM SIZE PER TOWN DETAILS. CONTRACTOR SHALL CONFIRM THAT MANHOLE DIAMETERS ARE SUFFICIENT FOR THEIR PROPOSED METHODS OF INSTALLATION (i.e., WITHIN PRE-CASTER'S TOLERANCES, ETC.).
7. ALL RCP JOINTS SHALL BE ASTM C433 RUBBER O-RING GASKETED, WATER TIGHT TO 10 PSI.
8. MANHOLES SHALL BE SHAPED UNLESS OTHERWISE NOTED. REFER TO DETAILS SHEET FOR SHAPED MANHOLES DETAILS.
9. MANHOLE RIM ELEVATIONS ARE TO BE ADJUSTED TO 1" BELOW FINISHED GRADE IN PAVED AREAS.
10. PROVIDE 12-INCH WIDTH CADOLLOC JOINT WRAP (CADOLLOC DISTRIBUTOR: UPPER PENNSYLVANIA RUBBER CO.), OR APPROVED EQUAL, TO SEAL STORM SEWER PIPE JOINTS 10 FEET EACH SIDE OF WATERLINE. CROSSINGS WHEREVER STORM SEWERS CROSS OVER WATER MAINS, OR ARE WITH IN 18-INCHES BELOW WATER MAINS.
11. ALL HOPE PIPE SHALL BE DOUBLE WALLED WITH WATER TIGHT JOINTS.
12. A STATE CONSTRUCTION DRAINAGE WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DRAINAGE IS REQUIRED FROM IRRIGATION DITCH OR IN ORDER TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.

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LADERA
BOX ELDER DITCH UNDERGROUNDING

TIMNATH, CO

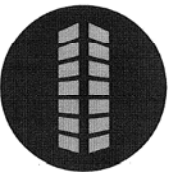
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Project No: CNL000001
Drawn By: ALS
Checked By: JRR
Date: 02.22.2022
OVERALL IRRIGATION PLAN

C2.0



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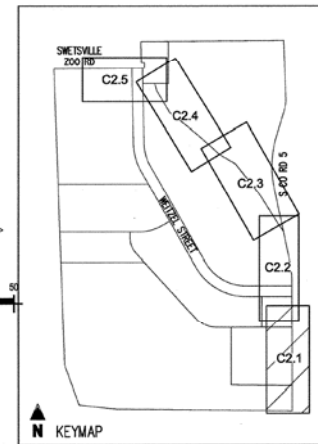
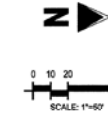
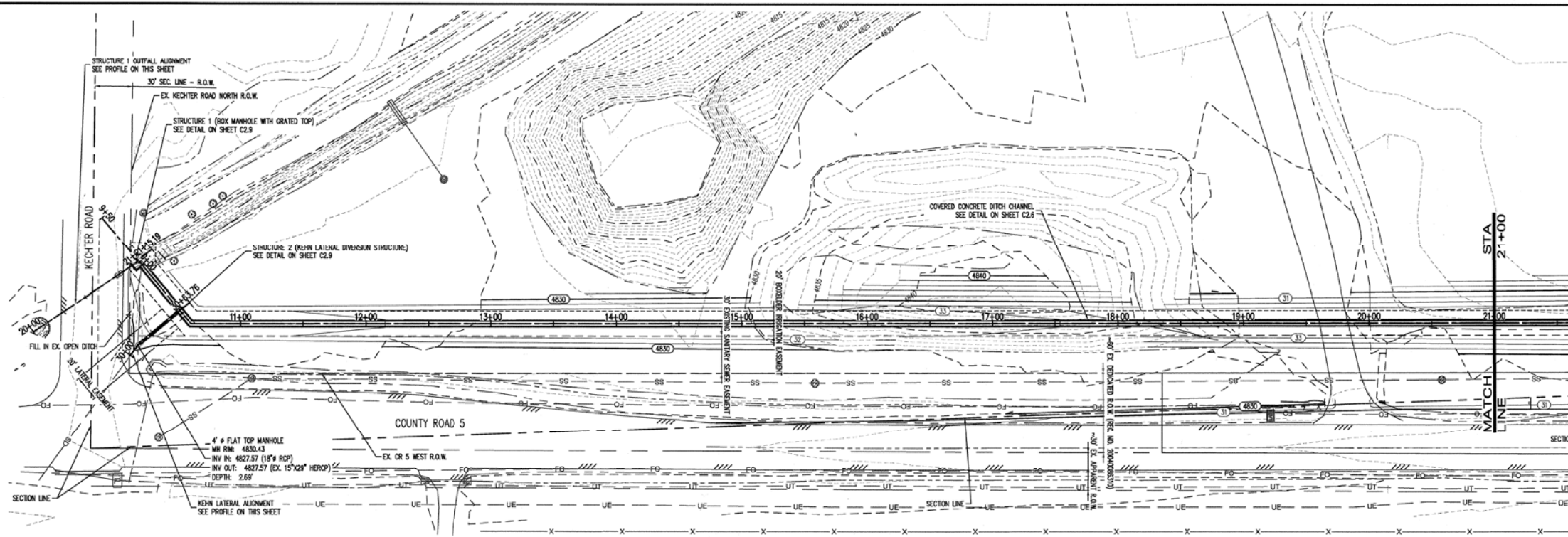
TIMNATH, CO

#	Date	Issue / Description	Init.
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Project No:	CNL000001
Drawn By:	ALS
Checked By:	JRR
Date:	02.22.2022

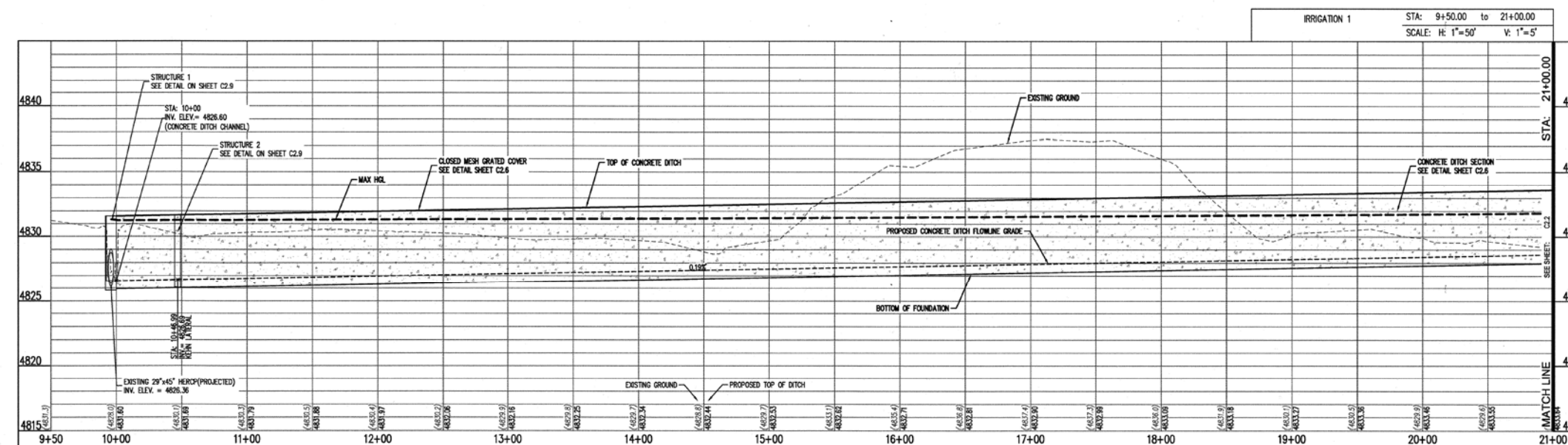
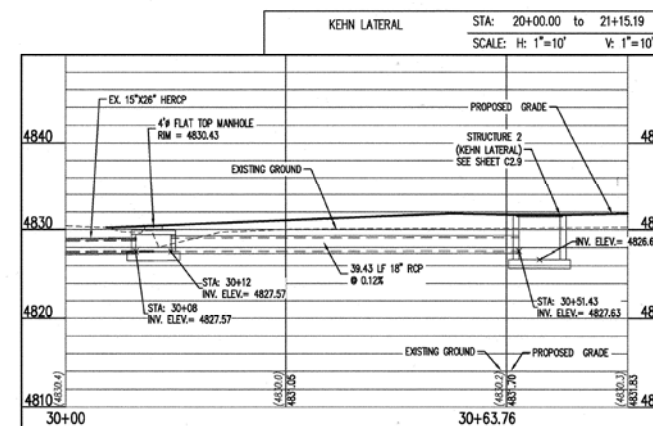
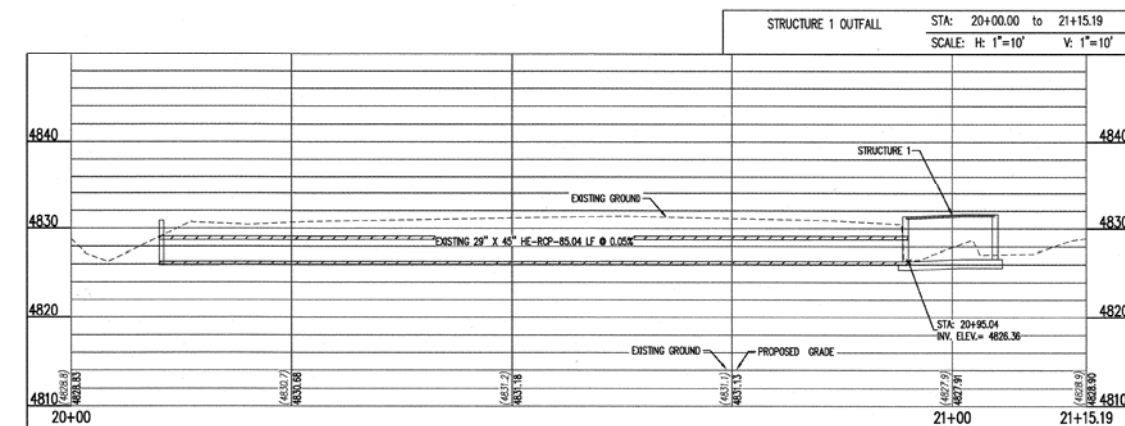
IRRIGATION PLAN AND
PROFILE

C2.1



EXISTING WATER MAIN
 PROPOSED WATER MAIN
 EXISTING SANITARY SEWER
 PROPOSED SANITARY SEWER
 EXISTING FIRE HYDRANT
 PROPOSED FIRE HYDRANT
 EXISTING FIRE HYDRANT
 PROPOSED STORM DRAIN
 EXISTING STORM DRAIN
 PROPOSED CURB AND GUTTER
 PROPOSED EASEMENT LINE
 EXISTING EASEMENT LINE
 PROPOSED MAJOR CONTOUR
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 PROPOSED RIGHT-OF-WAY
 EXISTING RIGHT-OF-WAY
 PROPOSED LOT LINE
 EXISTING LOT LINE
 SECTION LINE
 PROPOSED MANHOLE
 EXISTING MANHOLE
 PROPOSED WATER LOWERING
 PROPOSED STORM INLET
 EXISTING STORM INLET
 PROPOSED FES AND RP RAP
 EXISTING FES AND RP RAP

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3. PIPE LENGTHS ARE CALCULATED FROM THE CENTER OF MANHOLES AND INSIDE EDGE OF INLET BOX STRUCTURES. SPECIFIED LENGTH OF PIPE INCLUDES THE LAYING LENGTH OF FLARED END SECTIONS.
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5. ALL STORM MANHOLES LOCATED IN SIDEWALKS AND TRAILS SHALL HAVE PEDESTRAIN RATED LIDS.
6. MANHOLE DIAMETERS SHOWN ARE THE MINIMUM SIZE PER TOWN DETAILS. CONTRACTOR SHALL CONFIRM THAT MANHOLE DIAMETERS ARE SUFFICIENT FOR THEIR PROPOSED METHODS OF INSTALLATION (i.e., WITHIN PRE-CASTERS TOLERANCES, ETC.).
7. ALL ROP JOINTS SHALL BE ASTM C433 RUBBER O-RING GASKETED, WATER TIGHT TO 10 PSI.
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9. MANHOLE RM ELEVATIONS ARE TO BE ADJUSTED TO 1' BELOW FINISHED GRADE IN PAVED AREAS.
10. PROVIDE 13-INCH W/ID CADDIS LOG JOINT WRAP (CADDIS LOG DISTRIBUTOR, UPPER PENNSILVANIA RUBBER CO) OR APPROVED EQUAL TO SEAL STORM SEWER PIPE JOINTS TO FEET EACH SIDE OF WATERLOG CROSSINGS; WATERLOG STORM SEWERS CROSS OVER WATER MAINS, OR ARE WITH IN 18-INCHES BELOW WATER MAINS.
11. ALL HDPE PIPE SHALL BE DOUBLE WALLED WITH WATER TIGHT JOINTS.
12. A STATE CONSTRUCTION DRAINAGE WASTE WATER DISCHARGE PERMIT IS REQUIRED IF DRAINWATER IS REQUIRED FROM IRRIGATION DITCH OR IN GROUND TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.



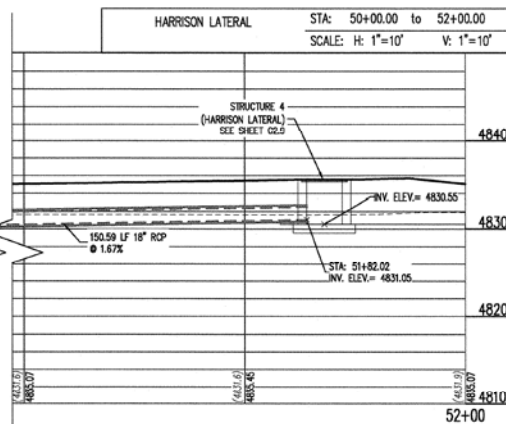
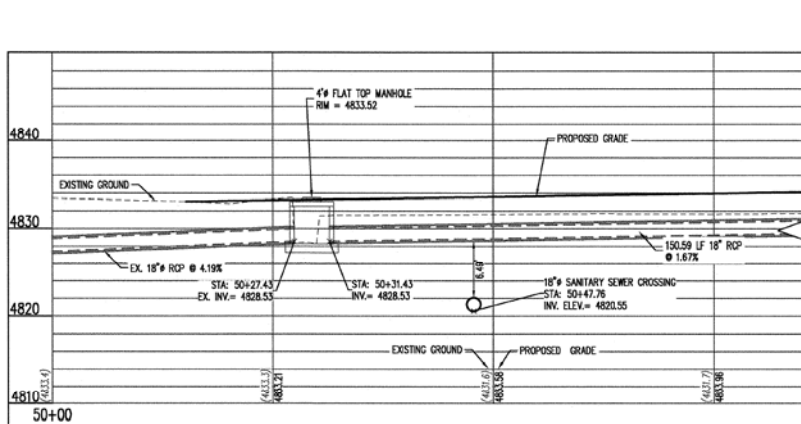
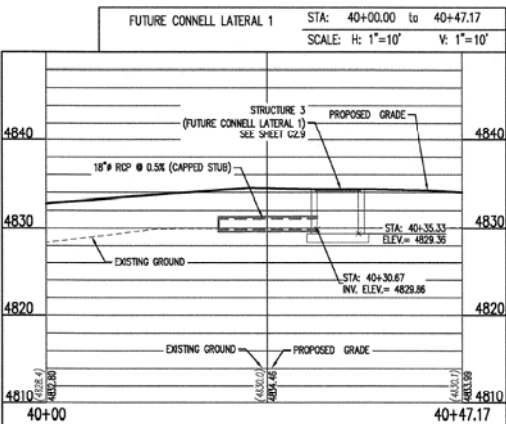
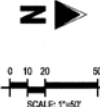
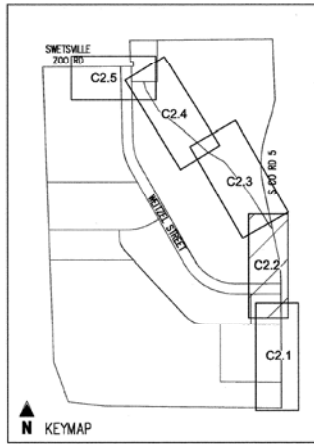
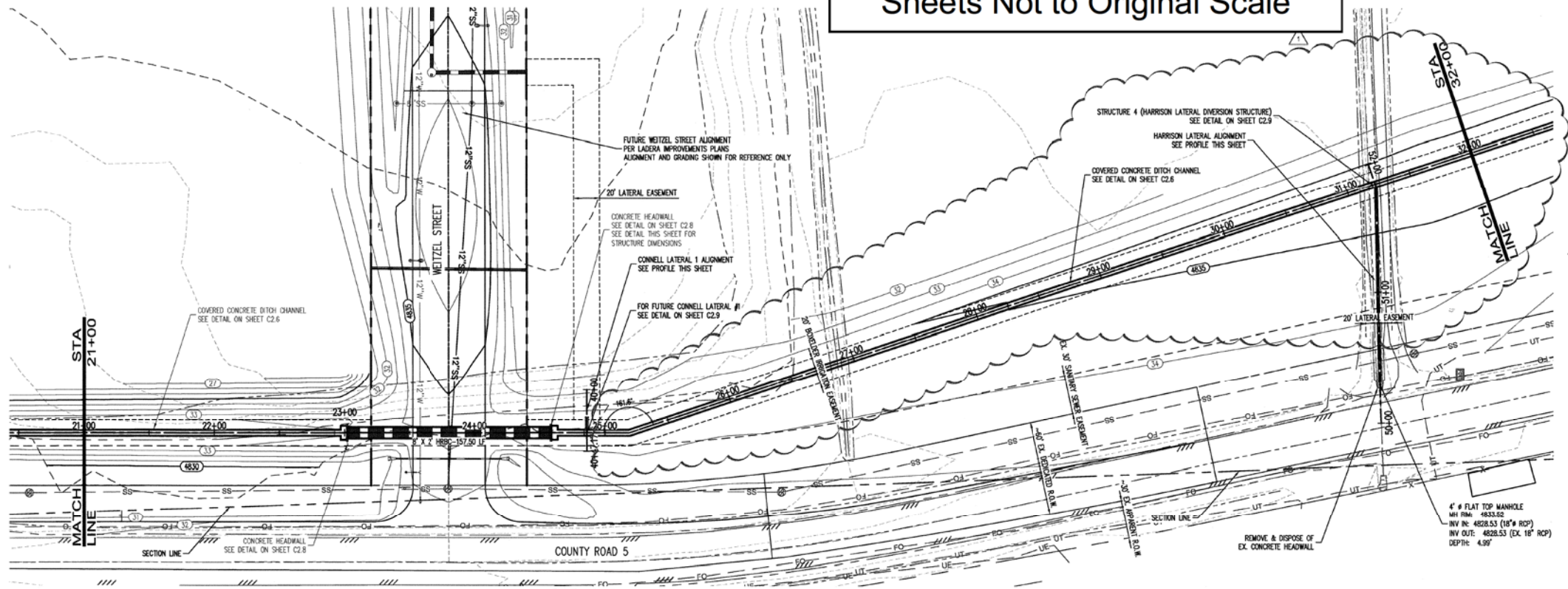
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CALL UTILITY NOTIFICATION CENTER OF
COLORADO



Know what's below.
Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU
DIG, GRADE, OR EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES.

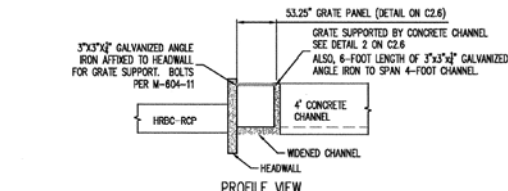
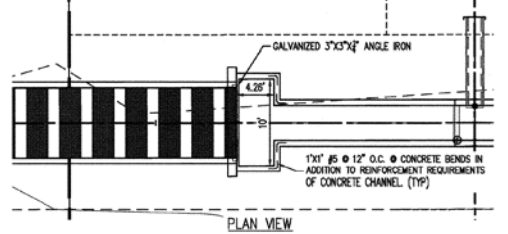


LEGEND

PROPOSED WATER MAIN	---
EXISTING WATER MAIN	---
PROPOSED SANITARY SEWER	---
EXISTING SANITARY SEWER	---
PROPOSED FIRE HYDRANT	---
EXISTING FIRE HYDRANT	---
PROPOSED STORM DRAIN	---
EXISTING STORM DRAIN	---
PROPOSED CURB AND GUTTER	---
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PROPOSED STORM INLET	---
EXISTING STORM INLET	---
PROPOSED FES AND RIP RAP	---
EXISTING FES AND RIP RAP	---

NOTES

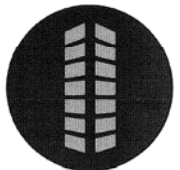
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STRUCTURE DIMENSIONS



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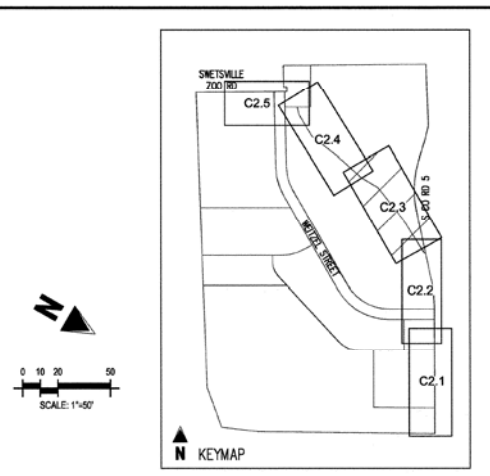
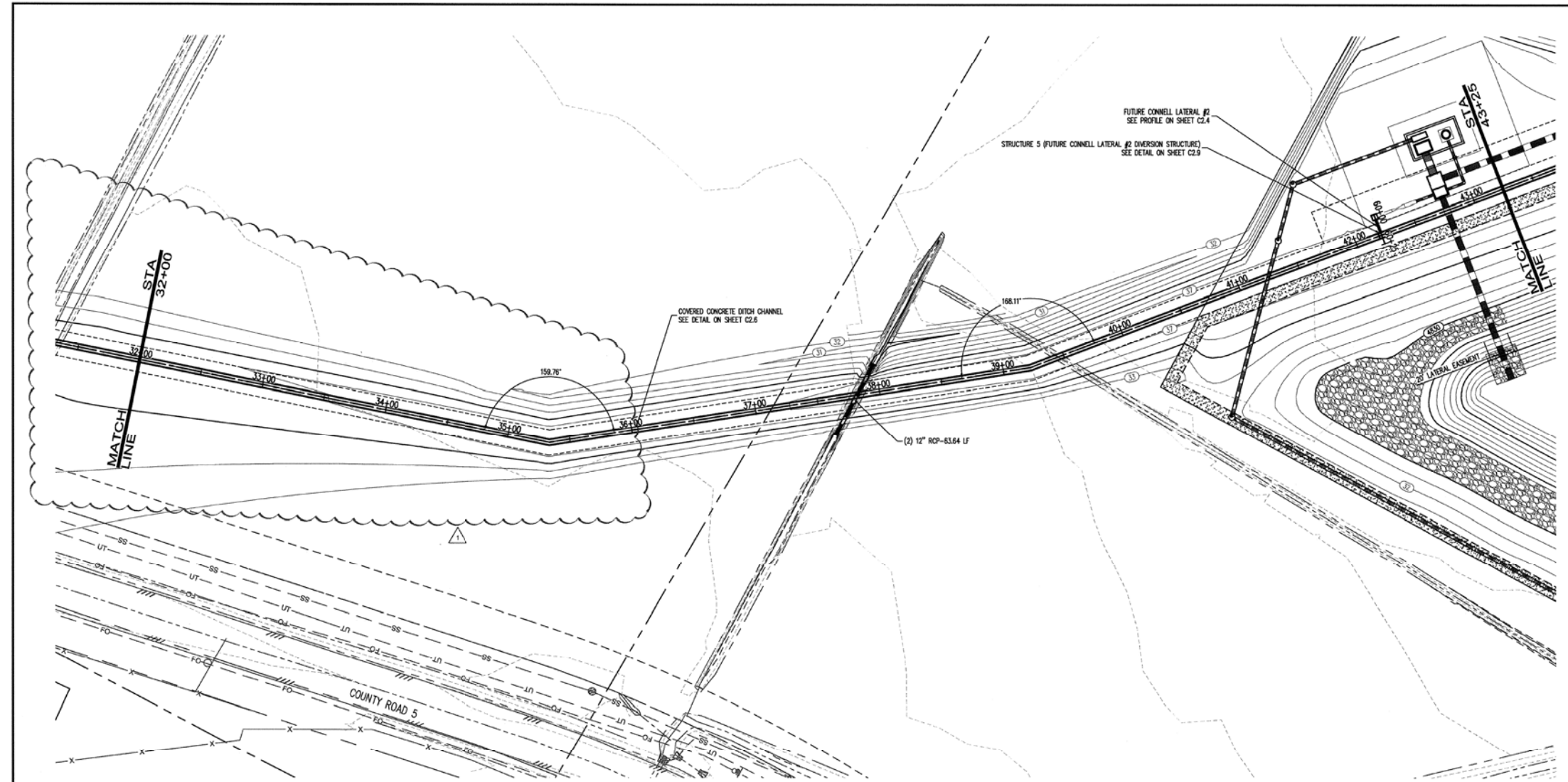
LADERA
BOX ELDER DITCH UNDERGROUNDING

TIMNATH, CO

#	Date	Issue / Description	Init.
1	5.4.2022	BOX ELDER REALIGNMENT	JRR

Project No: CNL000001
Drawn By: ALS
Checked By: JRR
Date: 02.22.2022

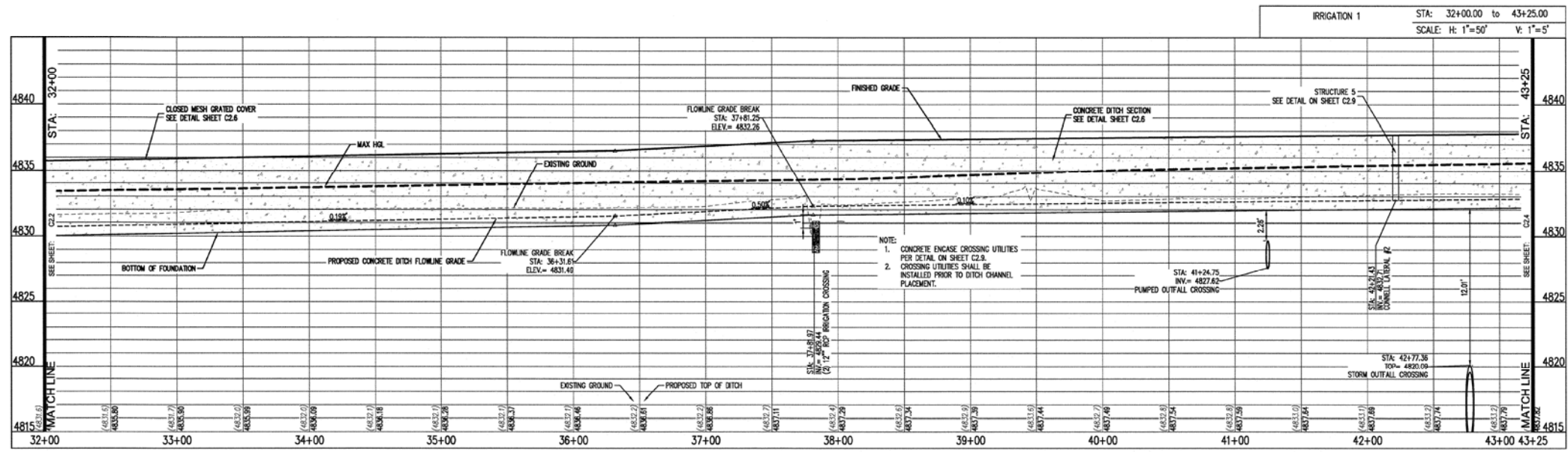
IRRIGATION PLAN AND PROFILE



LEGEND:

PROPOSED WATER MAIN	---
EXISTING WATER MAIN	---
PROPOSED SANITARY SEWER	---
EXISTING SANITARY SEWER	---
PROPOSED FIRE HYDRANT	---
EXISTING FIRE HYDRANT	---
PROPOSED STORM DRAIN	---
EXISTING STORM DRAIN	---
PROPOSED CURB AND GUTTER	---
PROPOSED EASEMENT LINE	---
EXISTING EASEMENT LINE	---
PROPOSED MAJOR CONTOUR	---
PROPOSED MINOR CONTOUR	---
EXISTING MAJOR CONTOUR	---
EXISTING MINOR CONTOUR	---
PROPOSED RIGHT-OF-WAY	---
EXISTING RIGHT-OF-WAY	---
PROPOSED LOT LINE	---
EXISTING LOT LINE	---
SECTION LINE	---
PROPOSED MANHOLE	---
EXISTING MANHOLE	---
PROPOSED WATER LOWERING	---
PROPOSED STORM INLET	---
EXISTING STORM INLET	---
PROPOSED FES AND RIP RAP	---
EXISTING FES AND RIP RAP	---

- NOTES:**
1. THE SIZE, TYPE AND LOCATION OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UNDERGROUND UTILITIES IN THE AREA OF THE WORK. BEFORE COMMENCING NEW CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR ALL UNKNOWN UNDERGROUND UTILITIES.
 2. ALL JOINTS ON ELIPTICAL PIPES SHALL BE TONGUE AND GROOVE WITH FLEXIBLE JOINT SEAL COMPOUND STANDARD WITH THE PIPE MANUFACTURER AND AS APPROVED BY TOWN INSPECTOR.
 3. PIPE LENGTHS ARE CALCULATED FROM THE CENTER OF MANHOLES AND INSIDE EDGE OF INLET BOX STRUCTURES. SPECIFIED LENGTH OF PIPE INCLUDES THE LAYING LENGTH OF FLARED END SECTIONS.
 4. CLASS II RCP (OR GREATER) SHALL BE USED WITHIN THE ROAD R.O.W. AND N-13 OR APPROVED EQUIVALENT HOPE PIPE MAY BE USED AS AN ALTERNATE OUTSIDE OF THE R.O.W. UNLESS NOTED OTHERWISE.
 5. ALL STORM MANHOLES LOCATED IN SIDEWALKS AND TRAILS SHALL HAVE PEDESTRIAN RATED LIDS.
 6. MANHOLE DIAMETERS SHOWN ARE THE MINIMUM SIZE PER TOWN DETAILS. CONTRACTOR SHALL CONFIRM THAT MANHOLE DIAMETERS ARE SUFFICIENT FOR THEIR PROPOSED METHODS OF INSTALLATION (i.e., WITHIN PRE-CASTER'S TOLERANCES, ETC.).
 7. ALL RCP JOINTS SHALL BE ASTM C433 RUBBER O-RING GASKETED, WATER TIGHT TO 10 PSI.
 8. MANHOLES SHALL BE SHAPED UNLESS OTHERWISE NOTED. REFER TO DETAILS SHEET FOR SHAPED MANHOLES DETAILS.
 9. MANHOLE RIM ELEVATIONS ARE TO BE ADJUSTED TO 2" BELOW FINISHED GRADE IN PAVED AREAS.
 10. PROVIDE 15-INCH WIDTH CADOLLOC JOINT WRAP (CADOLLOC DISTRIBUTOR UPPER PENNSYLVANIA RUBBER CO.) OR APPROVED EQUAL TO SEAL STORM SEWER PIPE JOINTS 10 FEET EACH SIDE OF WATERLINE CROSSINGS WHEREVER STORM SEWERS CROSS OVER WATER MAINS OR ARE WITH IN 18-INCHES BELOW WATER MAINS.
 11. ALL HOPE PIPE SHALL BE DOUBLE WALLED WITH WATER TIGHT JOINTS.
 12. A STATE CONSTRUCTION DOWATERING WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DOWATERING IS REQUIRED FROM IRRIGATION DITCH OR IN ORDER TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.



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5/9/22

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LADERA
BOX ELDER DITCH UNDERGROUNDING

TIMNATH, CO

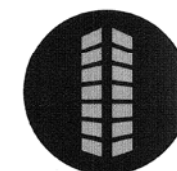
Project No: CNL000001
Drawn By: ALS
Checked By: JRR
Date: 02.22.2022

IRRIGATION PLAN AND
PROFILE

C2.3



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LADERA
BOX ELDER DITCH UNDERGROUNDING

TIMNATH, CO

#	Date	Issue / Description	Int.
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CALL UTILITY NOTIFICATION CENTER OF
COLORADO

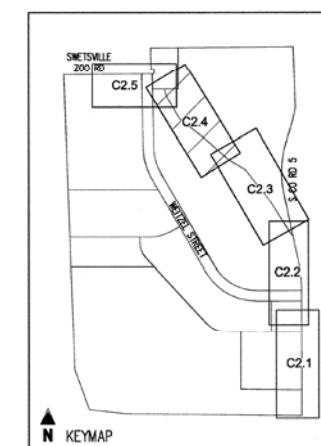
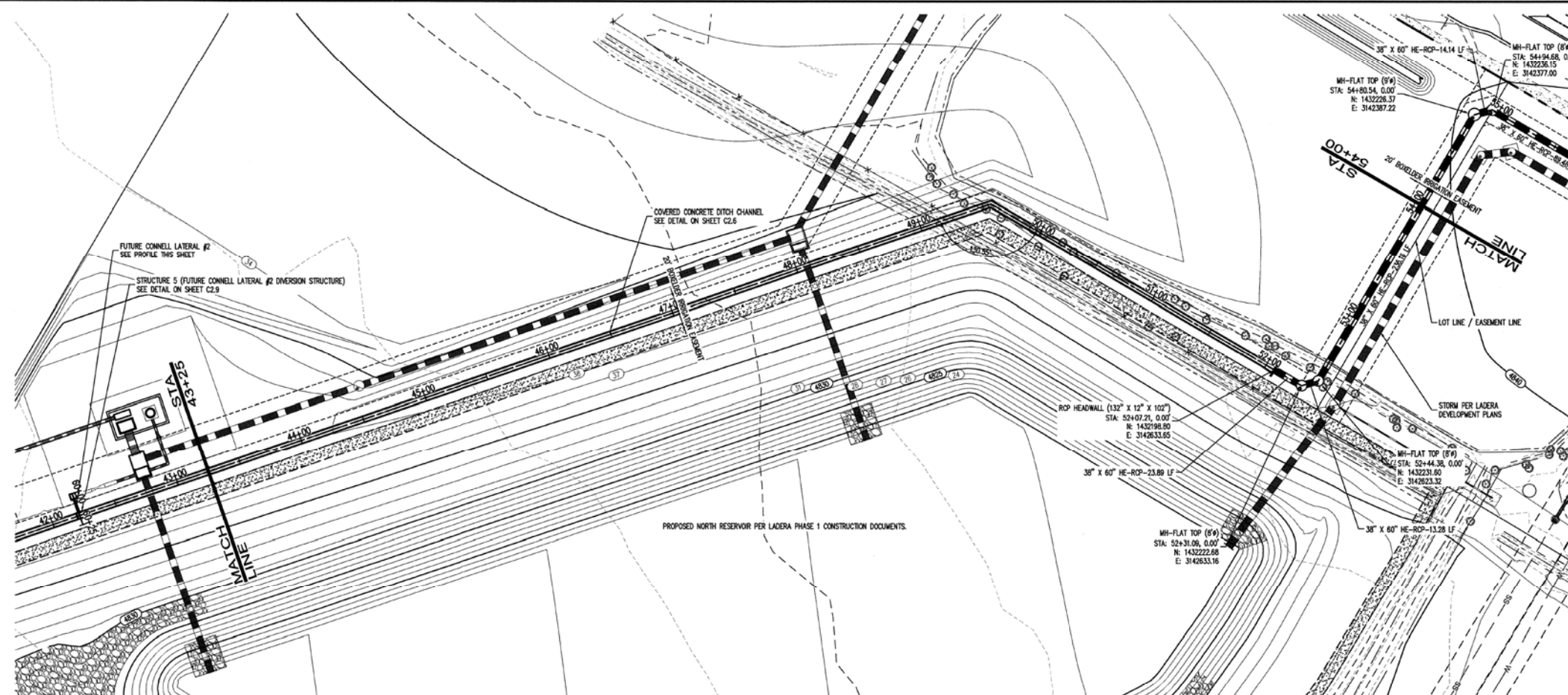


CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU
DIG, GRADE, OR EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES.

Project No: CML000001
Drawn By: ALS
Checked By: JRR
Date: 02.22.2022

IRRIGATION PLAN AND
PROFILE

C2.4

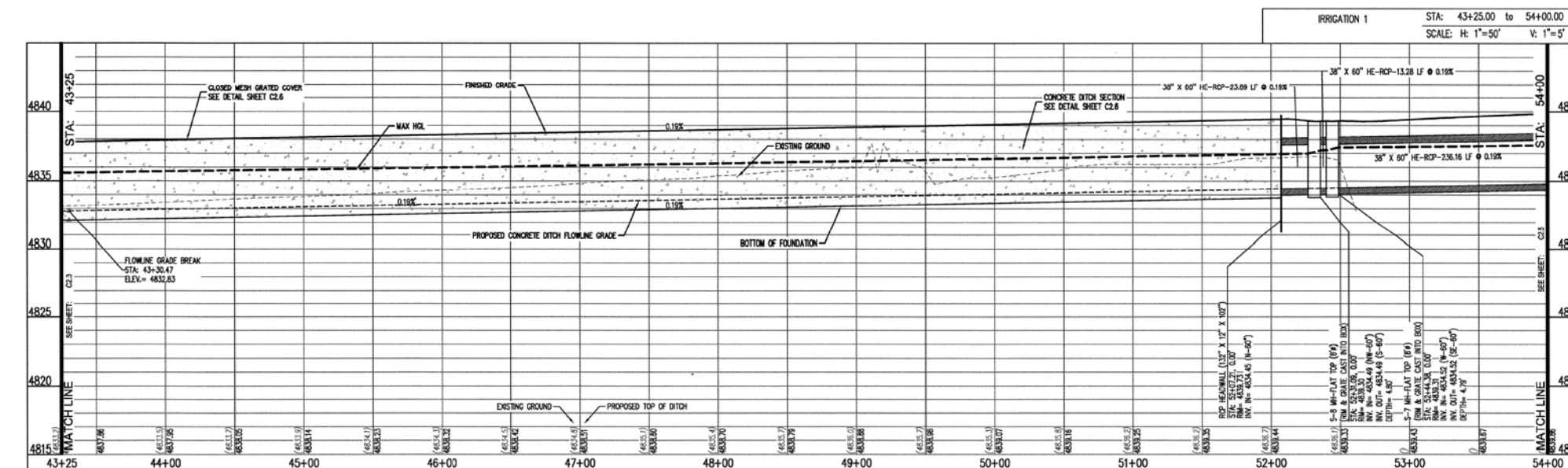
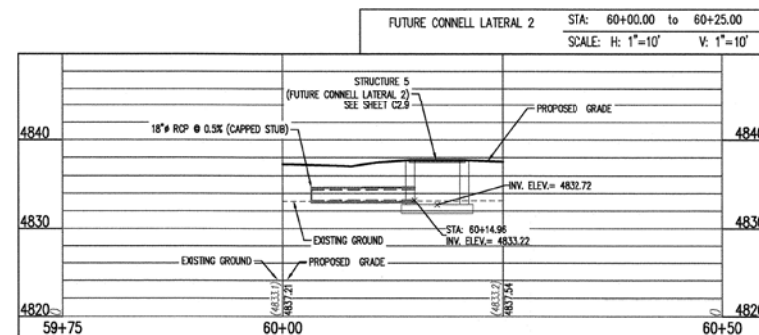


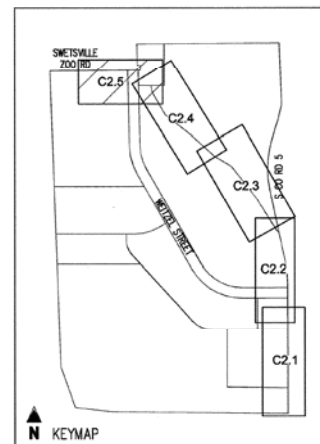
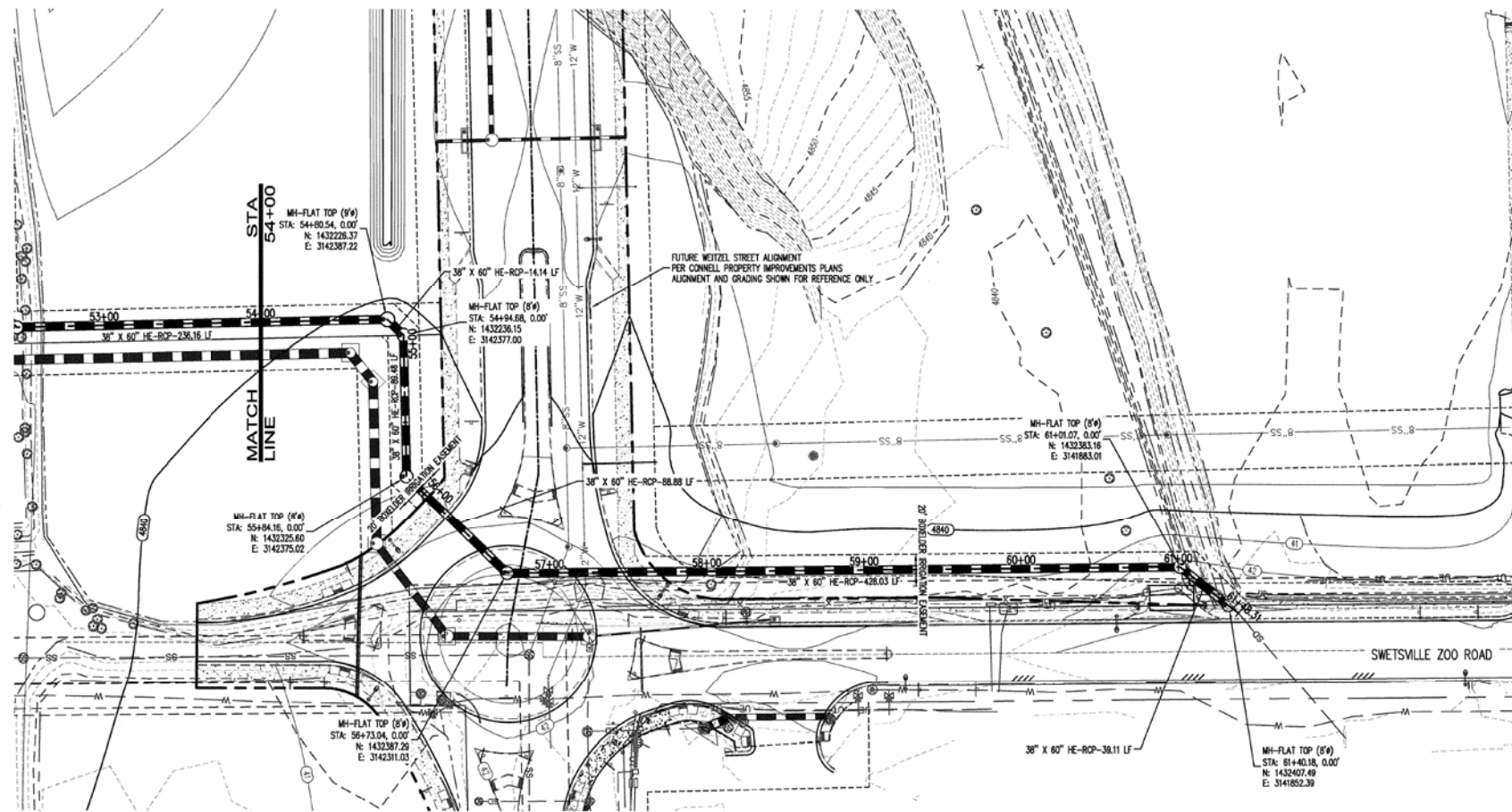
LEGEND

PROPOSED WATER MAIN	— W —
EXISTING WATER MAIN	— W —
PROPOSED SANITARY SEWER	— SS —
EXISTING SANITARY SEWER	— SS —
PROPOSED FIRE HYDRANT	— F —
EXISTING FIRE HYDRANT	— F —
PROPOSED STORM DRAIN	— SD —
EXISTING STORM DRAIN	— SD —
PROPOSED CURB AND GUTTER	— C —
PROPOSED EASEMENT LINE	— E —
EXISTING EASEMENT LINE	— E —
PROPOSED MAJOR CONTOUR	— 4830 —
PROPOSED MINOR CONTOUR	— 4835 —
EXISTING MAJOR CONTOUR	— 4830 —
EXISTING MINOR CONTOUR	— 4835 —
PROPOSED RIGHT-OF-WAY	— R —
EXISTING RIGHT-OF-WAY	— R —
PROPOSED LOT LINE	— L —
EXISTING LOT LINE	— L —
SECTION LINE	— S —
PROPOSED MANHOLE	— M —
EXISTING MANHOLE	— M —
PROPOSED WATER LOWERING	— W —
PROPOSED STORM INLET	— S —
EXISTING STORM INLET	— S —
PROPOSED FES AND RIP RAP	— F —
EXISTING FES AND RIP RAP	— F —

NOTES

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4. CLASS III RCP (OR GREATER) SHALL BE USED WITHIN THE ROAD R.O.W. AND N-12 OR APPROVED EQUIVALENT HOPE PIPE MAY BE USED AS AN ALTERNATE OUTSIDE OF THE R.O.W. UNLESS NOTED OTHERWISE.
5. ALL STORM MANHOLES LOCATED IN SIDEWALKS AND TRAILS SHALL HAVE PEDESTRIAN RATED LIDS.
6. MANHOLE DIAMETERS SHOWN ARE THE MINIMUM SIZE PER TOWN DETAILS. CONTRACTOR SHALL CONFIRM THAT MANHOLE DIAMETERS ARE SUFFICIENT FOR THEIR PROPOSED METHODS OF INSTALLATION (i.e., WITHIN PRE-CASTER'S TOLERANCES, ETC.).
7. ALL RCP JOINTS SHALL BE ASTM C433 RUBBER O-RING GASKETED, WATER TIGHT TO 10 PSI.
8. MANHOLES SHALL BE SHAPED UNLESS OTHERWISE NOTED. REFER TO DETAILS SHEET FOR SHAPED MANHOLES DETAILS.
9. MANHOLE RIM ELEVATIONS ARE TO BE ADJUSTED TO 2" BELOW FINISHED GRADE IN PAVED AREAS.
10. PROVIDE 13-INCH WIDTH CADILLOC JOINT WRAP (CADILLOC DISTRIBUTOR: UPPER PENNSYLVANIA RUBBER CO.) OR APPROVED EQUAL, TO SEAL STORM SEWER PIPE JOINTS 10 FEET EACH SIDE OF WATERLINE CROSSINGS WHEREVER STORM SEWERS CROSS OVER WATER MAINS, OR ARE WITH IN 18-INCHES BELOW WATER MAINS.
11. ALL HOPE PIPE SHALL BE DOUBLE WALLED WITH WATER TIGHT JOINTS.
12. A STATE CONSTRUCTION DRAINAGE WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DRAINAGE IS REQUIRED FROM IRRIGATION DITCH OR IN ORDER TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.



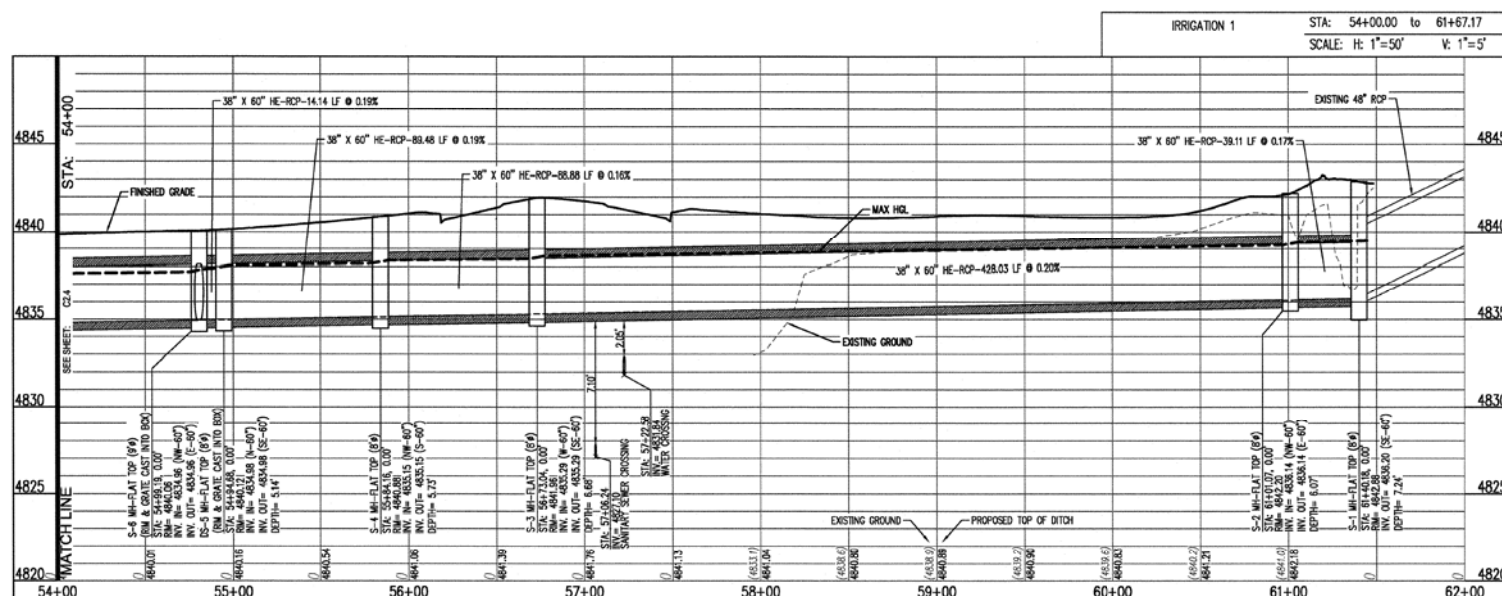


LEGEND

PROPOSED WATER MAIN	---
EXISTING WATER MAIN	---
PROPOSED SANITARY SEWER	---
EXISTING SANITARY SEWER	---
PROPOSED FIRE HYDRANT	---
EXISTING FIRE HYDRANT	---
PROPOSED STORM DRAIN	---
EXISTING STORM DRAIN	---
PROPOSED CURB AND GUTTER	---
PROPOSED EASEMENT LINE	---
EXISTING EASEMENT LINE	---
PROPOSED MAJOR CONTOUR	---
PROPOSED MINOR CONTOUR	---
EXISTING MAJOR CONTOUR	---
EXISTING MINOR CONTOUR	---
PROPOSED RIGHT-OF-WAY	---
EXISTING RIGHT-OF-WAY	---
PROPOSED LOT LINE	---
EXISTING LOT LINE	---
SECTION LINE	---
PROPOSED MANHOLE	---
EXISTING MANHOLE	---
PROPOSED WATER LOWERING	---
PROPOSED STORM INLET	---
EXISTING STORM INLET	---
PROPOSED FES AND RIP RAP	---
EXISTING FES AND RIP RAP	---

NOTES

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- CLASS B RCP (OR GREATER) SHALL BE USED WITHIN THE ROAD R.O.W. AND N-12 OR APPROVED EQUIVALENT HDPE PIPE MAY BE USED AS AN ALTERNATE OUTSIDE OF THE R.O.W. UNLESS NOTED OTHERWISE.
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- PROVIDE 13-INCH WIDTH CADOLLOC JOINT WRAP (CADOLLOC DISTRIBUTOR: UPPER PENINSULA RUBBER CO.), OR APPROVED EQUAL, TO SEAL STORM SEWER PIPE JOINTS 10 FEET EACH SIDE OF WATERLINE CROSSINGS WHEREVER STORM SEWERS CROSS OVER WATER MAINS, OR ARE WITH IN 18-INCHES BELOW WATER MAINS.
- ALL HDPE PIPE SHALL BE DOUBLE WALLED WITH WATER TIGHT JOINTS.
- A STATE CONSTRUCTION DETERMINING WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DETERMINING IS REQUIRED FROM IRRIGATION DITCH OR IN ORDER TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.



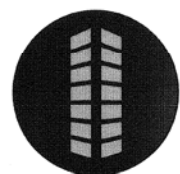
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LADERA
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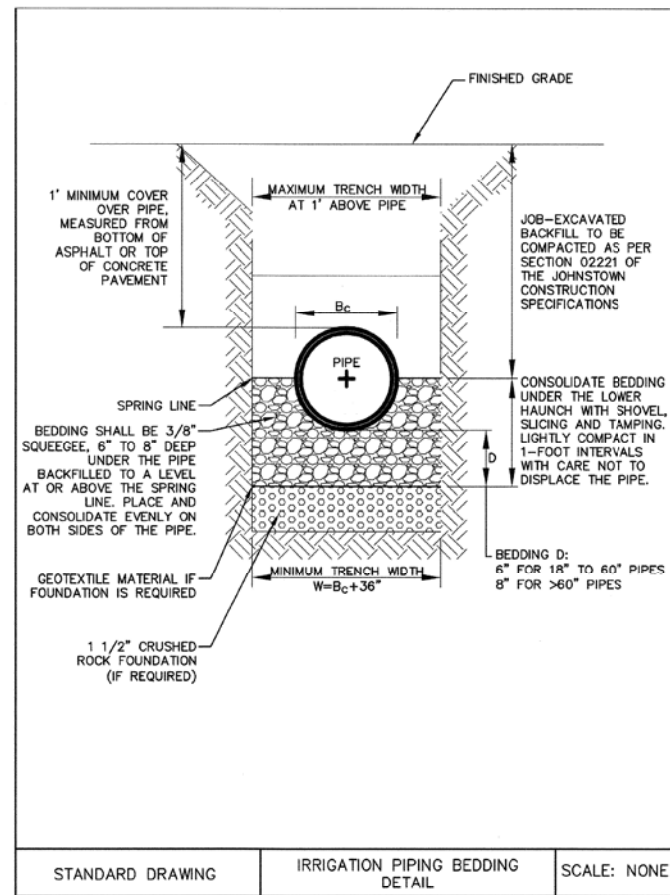
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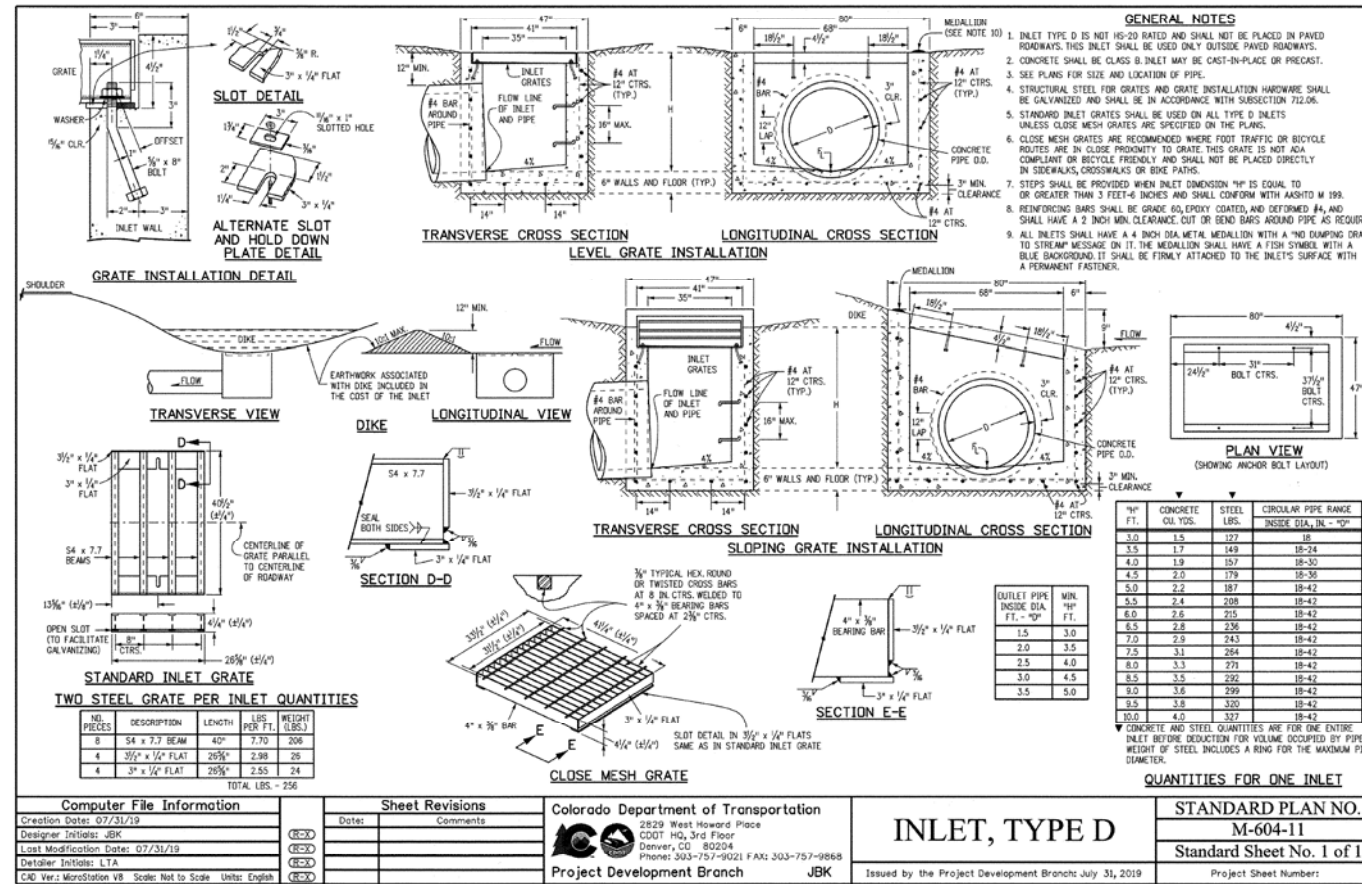


Project No: CNL000001
Drawn By: ALS
Checked By: JRR
Date: 02.22.2022
IRRIGATION PLAN AND PROFILE

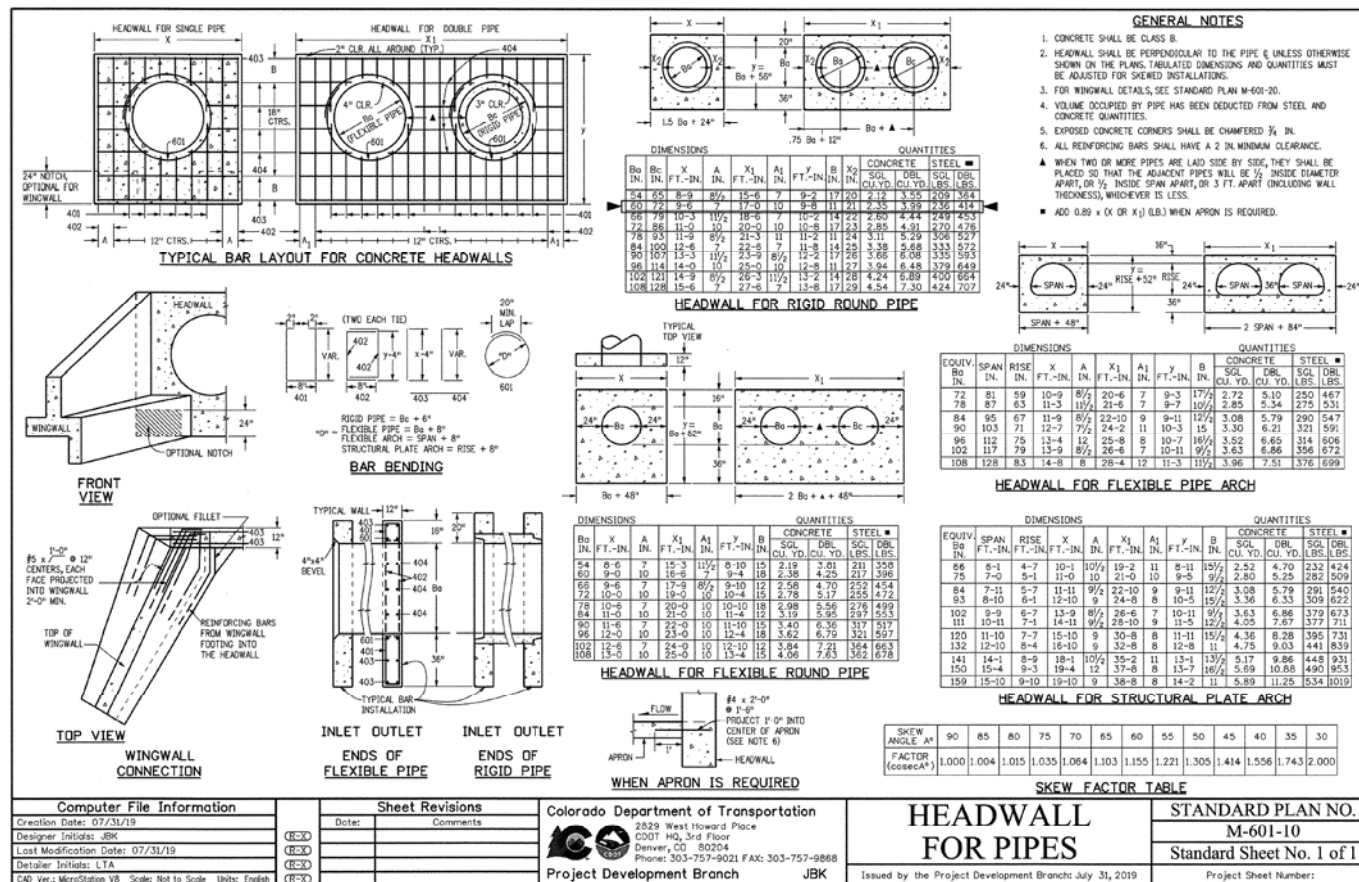
C2.5



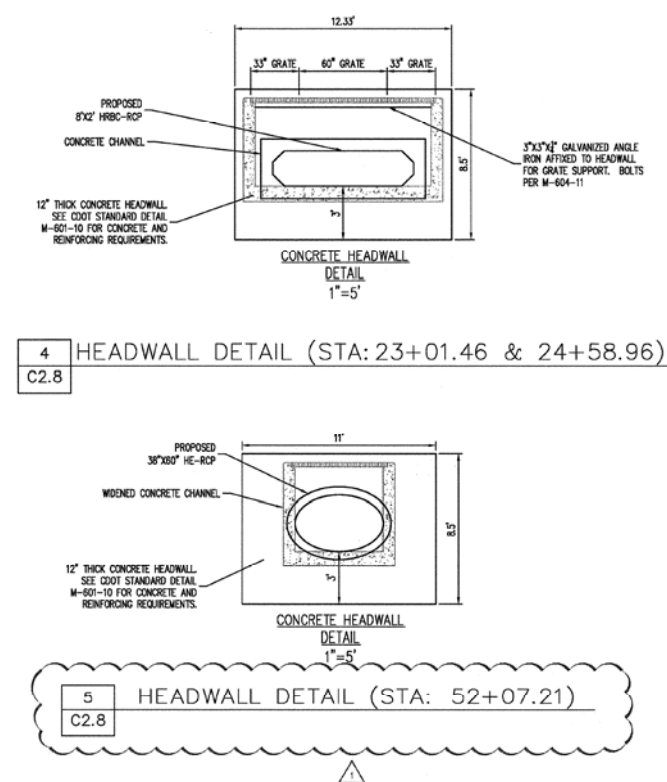
1 IRRIGATION PIPING BEDDING DETAIL
C2.8



2 INLET, TYPE D
C2.8



3 HEADWALLS DETAIL
C2.8



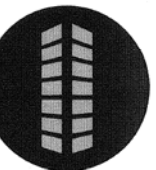
4 HEADWALL DETAIL (STA: 23+01.46 & 24+58.96)
C2.8



5 HEADWALL DETAIL (STA: 52+07.21)
C2.8



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TIMNATH, CO

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Project No: CNL00001

Drawn By: ALS

Checked By: JRR

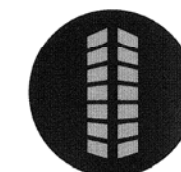
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IRRIGATION DETAILS

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TIMNATH, CO

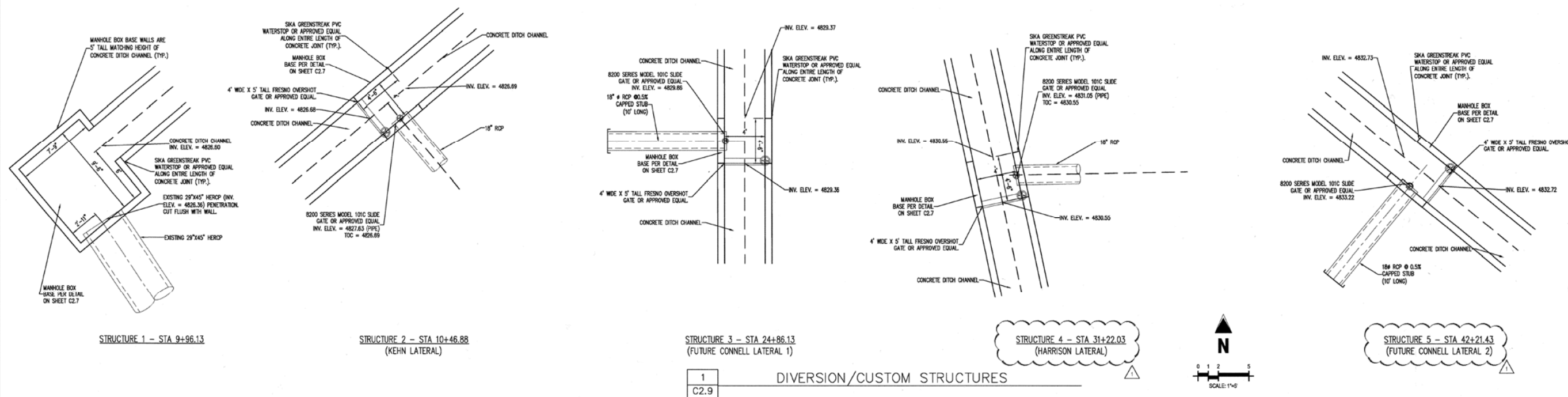
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1-	5.4.2022	BOXELDER RE-ALIGNMENT	JRR

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Project No:	CNL00001
Drawn By:	A.L.S.
Checked By:	J.R.R.
Date:	02/22/2022

IRRIGATION DETAILS

C2.9



ATTACHMENT B

Community MT-2 Forms

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
OVERVIEW & CONCURRENCE FORM

O.M.B No. 1660-0016
Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 20958-3005, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.

DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

A. REQUESTED RESPONSE FROM DHS-FEMA

This request is for a (check one):

☒ CLOMR: A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72).

☐ LOMR: A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72)

B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Example: 480301	City of Katy	TX	48473C	0005D	02/08/83
480287	Harris County	TX	48201C	0220G	09/28/90
080101	Larimer County	CO	08069C	1013F	12/19/06

2. a. Flooding Source: Cache la Poudre River

b. Types of Flooding: ☒ Riverine ☐ Coastal ☐ Shallow Flooding (e.g., Zones AO and AH)
☐ Alluvial fan ☐ Lakes ☐ Other (Attach Description)

3. Project Name/Identifier: Connell Resources Development

4. FEMA zone designations affected: AE, X (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

5. Basis for Request and Type of Revision:

a. The basis for this revision request is (check all that apply)

☒ Physical Change ☐ Improved Methodology/Data ☒ Regulatory Floodway Revision ☐ Base Map Changes
☐ Coastal Analysis ☒ Hydraulic Analysis ☐ Hydrologic Analysis ☐ Corrections
☐ Weir-Dam Changes ☐ Levee Certification ☐ Alluvial Fan Analysis ☐ Natural Changes
☒ New Topographic Data ☐ Other (Attach Description)

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following structures (check all that apply)

Structures:

☐ Channelization

☐ Levee/Floodwall

☐ Bridge/Culvert

☐ Dam

☒ Fill

☐ Other (Attach Description)

6. ☒ Documentation of ESA compliance is submitted (required to initiate CLOMR review). Please refer to the instructions for more information.

C. REVIEW FEE

Has the review fee for the appropriate request category been included?

☒ Yes

Fee amount: \$6500

☐ No, Attach Explanation

Please see the DHS-FEMA Web site at http://www.fema.gov/plan/prevent/fhm/frm_fees.shtm for Fee Amounts and Exemptions.

D. SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: Sheri Welch, Manager

Company: CWH Properties, LLC.

Mailing Address:
7785 Highland Meadows Parkway, Suite 100
Fort Collins, Colorado 80528

Daytime Telephone No.: 970-233-3151

Fax No.: 970-223-3191

E-Mail Address: swelch@connellresources.com

Signature of Requester (required):  Manager

Date: 1/15/21

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirements for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For Conditional LOMR requests, the applicant has documented Endangered Species Act (ESA) compliance to FEMA prior to FEMA's review of the Conditional LOMR application. For LOMR requests, I acknowledge that compliance with Sections 9 and 10 of the ESA has been achieved independently of FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with Section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title: Devin Traff, Civil Engineer


Community Name: 080101

Mailing Address:
210 W. Oak Street
Fort Collins, CO 80521

Daytime Telephone No.: 970-224-3211

Fax No.: 970-498-7986

E-Mail Address: Eng-General@larimer.org

Community Official's Signature (required): 

Date: 4-12-2021

CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: Suleyman Akalin

License No.: 41626

Expiration Date: 10/31/2021

Company Name: Galloway and Company, Inc.

Telephone No.: 970-800-3300

Fax No.: 202-770-3636

Signature: 

Date: 4/15/21

E-Mail Address: SuleymanAkalin@gallowayus.com

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form Name and (Number)

Required if ...

- | | |
|---|--|
| <input checked="" type="checkbox"/> Riverine Hydrology and Hydraulics Form (Form 2) | New or revised discharges or water-surface elevations |
| <input type="checkbox"/> Riverine Structures Form (Form 3) | Channel is modified, addition/revision of bridge/culverts,
addition/revision of levee/floodwall, addition/revision of dam |
| <input type="checkbox"/> Coastal Analysis Form (Form 4) | New or revised coastal elevations |
| <input type="checkbox"/> Coastal Structures Form (Form 5) | Addition/revision of coastal structure |
| <input type="checkbox"/> Alluvial Fan Flooding Form (Form 6) | Flood control measures on alluvial fans |

Seal (Optional)

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
OVERVIEW & CONCURRENCE FORM

O.M.B No. 1660-0016
Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 20958-3005, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.

DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

A. REQUESTED RESPONSE FROM DHS-FEMA

This request is for a (check one):

- ☒ **CLOMR:** A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72).
- ☐ **LOMR:** A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72)

B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Example: 480301	City of Katy	TX	48473C	0005D	02/08/83
480287	Harris County	TX	48201C	0220G	09/28/90
080005	Town of Timnath	CO	08069C	1013F	12/19/06

2. a. Flooding Source: Cache la Poudre River

- b. Types of Flooding: ☒ Riverine ☐ Coastal ☐ Shallow Flooding (e.g., Zones AO and AH)
☐ Alluvial fan ☐ Lakes ☐ Other (Attach Description)

3. Project Name/Identifier: Connell Development CLOMR

4. FEMA zone designations affected: AE, X (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

5. Basis for Request and Type of Revision:

a. The basis for this revision request is (check all that apply)

- ☒ Physical Change ☐ Improved Methodology/Data ☒ Regulatory Floodway Revision ☐ Base Map Changes
☐ Coastal Analysis ☒ Hydraulic Analysis ☐ Hydrologic Analysis ☐ Corrections
☐ Weir-Dam Changes ☐ Levee Certification ☐ Alluvial Fan Analysis ☐ Natural Changes
☒ New Topographic Data ☐ Other (Attach Description)

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following structures (check all that apply)

Structures:

☐ Channelization

☐ Levee/Floodwall

☐ Bridge/Culvert

☐ Dam

☒ Fill

☐ Other (Attach Description)

6. ☒ Documentation of ESA compliance is submitted (required to initiate CLOMR review). Please refer to the instructions for more information.

C. REVIEW FEE

Has the review fee for the appropriate request category been included?

☒ Yes

Fee amount: \$6500

☐ No, Attach Explanation

Please see the DHS-FEMA Web site at http://www.fema.gov/plan/prevent/fhm/fm_fees.shtm for Fee Amounts and Exemptions.

D. SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: Sheri Welch, Manager

Company: CWH Properties, LLC.

Mailing Address:
7785 Highland Meadows Parkway, Suite 100
Fort Collins, Colorado 80528

Daytime Telephone No.: 970-233-3151

Fax No.: 970-223-3191

E-Mail Address: swelch@connellresources.com

Signature of Requester (required):  Manager

Date: 1/15/21

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirements for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For Conditional LOMR requests, the applicant has documented Endangered Species Act (ESA) compliance to FEMA prior to FEMA's review of the Conditional LOMR application. For LOMR requests, I acknowledge that compliance with Sections 9 and 10 of the ESA has been achieved independently of FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with Section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title: Don Taranto, Town Engineer


Community Name: 080005

Mailing Address:
4800 Goodman Street
Timnath, Colorado 80547

Daytime Telephone No.: 970-226-0557

Fax No.:

E-Mail Address: dtaranto@tstinc.com

Community Official's Signature (required): 

Date: 3/31/21

CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: Suleyman Akalin

License No.: 41626

Expiration Date: 10/31/2021

Company Name: Galloway and Company, Inc.

Telephone No.: 970-800-3300

Fax No.: 202-770-3636

Signature: 

Date: 4/15/21

E-Mail Address: SuleymanAkalin@gallowayus.com

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form Name and (Number)

Required if ...

- | | |
|---|--|
| <input checked="" type="checkbox"/> Riverine Hydrology and Hydraulics Form (Form 2) | New or revised discharges or water-surface elevations |
| <input type="checkbox"/> Riverine Structures Form (Form 3) | Channel is modified, addition/revision of bridge/culverts,
addition/revision of levee/floodwall, addition/revision of dam |
| <input type="checkbox"/> Coastal Analysis Form (Form 4) | New or revised coastal elevations |
| <input type="checkbox"/> Coastal Structures Form (Form 5) | Addition/revision of coastal structure |
| <input type="checkbox"/> Alluvial Fan Flooding Form (Form 6) | Flood control measures on alluvial fans |

Seal (Optional)

ATTACHMENT C

Federal Emergency Management Agency (FEMA)
CLOMR Comment Letters



Federal Emergency Management Agency

Washington, D.C. 20472

February 3, 2022

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Kristin Stephens
Chair, Larimer County Board of Commissioners
200 West Oak Street, Suite 2200
Fort Collins, CO 80521

IN REPLY REFER TO:

Case No.: 21-08-0757R
Community Name: Larimer County, CO
Community No.: 080101

104

Dear Ms. Stephens:

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 (FIRM) 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 Mapping and Insurance 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/flood-insurance>.

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: The Honorable Mark Soukup
Mayor, Town of Timnath

Mr. Devin Traff
Civil Engineer
Larimer County

Ms. Tina Kurtz
Environmental Coordinator Specialist
Larimer County

Mr. Suleyman Akalin, PhD, PE, CFM
Water Resources Project Manager
Galloway and Company, Inc.

Ms. Terri Fead, P.E., CFM
Floodplain Mapping Coordinator
Colorado Water Conservation Board

Marta Blanco Castaño, GISP, CFM
Flood Mapping Program Assistant
Colorado Water Conservation Board

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

Ms. Sheri Welch
Manager
CWH Properties, LLC



Federal Emergency Management Agency

Washington, D.C. 20472

CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT

COMMUNITY INFORMATION		PROPOSED PROJECT DESCRIPTION	BASIS OF CONDITIONAL REQUEST
COMMUNITY	Larimer County Colorado (Unincorporated Areas)	FILL EXCAVATION GRADING	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 080101		
IDENTIFIER	Connell Development CLOMR		APPROXIMATE LATITUDE & LONGITUDE: 40.522, -104.986 SOURCE: USGS QUADRANGLE DATUM: NAD 83
AFFECTED MAP PANELS			
TYPE: FIRM* NO.: 08069C1013F DATE: December 19, 2006		* FIRM - Flood Insurance Rate Map	

FLOODING SOURCE AND REACH DESCRIPTION

Cache La Poudre River – from approximately 240 feet upstream of County Road 36 to just downstream of East Harmony Road

PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Cache La Poudre River	Fill Placement and Grading	Along the right overbank from just upstream of County Road 36 to approximately 950 feet downstream of East Harmony Road
	Excavation and Grading	Along the right overbank from approximately 2,810 feet to approximately 1,210 feet downstream of East Harmony Road

SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Cache La Poudre River	Floodway	Floodway	Yes	Yes
	Zone AE	Zone AE	Yes	Yes
	BFEs*	BFEs	Yes	Yes
	Zone X (shaded)	Zone X (shaded)	Yes	Yes

* BFEs - Base (1-percent-annual-chance) Flood Elevations

COMMENT

This document provides the Federal Emergency Management Agency's (FEMA's) comment regarding a request for a CLOMR for the project described above. This document is not a final determination; it only provides our comment on the proposed project in relation to the flood hazard information shown on the effective National Flood Insurance Program (NFIP) map. We reviewed the submitted data and the data used to prepare the effective flood hazard information for your community and determined that the proposed project meets the minimum floodplain management criteria of the NFIP. Your community is responsible for approving all floodplain development and for ensuring that all permits required by Federal or State/Commonwealth law have been received. State/Commonwealth, county, and community officials, based on their knowledge of local conditions and in the interest of safety, may set higher standards for construction in the Special Flood Hazard Area (SFHA), the area subject to inundation by the base flood. If the State/Commonwealth, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence over the minimum NFIP criteria.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS CONDITIONAL REQUEST

CID Number: 080005

Name: Town of Timnath, Colorado

AFFECTED MAP PANELS

TYPE: FIRM

NO.: 08069C1013F

DATE: December 19, 2006

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency

Washington, D.C. 20472

CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

To determine the changes in flood hazards that will be caused by the proposed project, we compared the hydraulic modeling reflecting the proposed project (referred to as the proposed conditions model) to the hydraulic modeling used to prepare the Flood Insurance Study (FIS) (referred to as the effective model). If the effective model does not provide enough detail to evaluate the effects of the proposed project, an existing conditions model must be developed to provide this detail. This existing conditions model is then compared to the effective model and the proposed conditions model to differentiate the increases or decreases in flood hazards caused by more detailed modeling from the increases or decreases in flood hazards that will be caused by the proposed project.

The table below shows the changes in the BFEs:

BFE Comparison Table

Flooding Source:		BFE Change (feet)	Location of maximum change
Cache La Poudre River			
Existing vs. Effective	Maximum increase	0.8	Approximately 3,380 feet downstream of East Harmony Road
	Maximum decrease	2.6	Approximately 1,460 feet downstream of East Harmony Road
Proposed vs. Existing	Maximum increase	None	Not Applicable
	Maximum decrease	0.6	Approximately 1,120 feet downstream of East Harmony Road
Proposed vs. Effective	Maximum increase	0.8	Approximately 3,380 feet downstream of East Harmony Road
	Maximum decrease	2.8	Approximately 1,450 feet downstream of East Harmony Road

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

DATA REQUIRED FOR FOLLOW-UP LOMR

Upon completion of the project, your community must submit the data listed below and request that we make a final determination on revising the effective FIRM and FIS report. If the project is built as proposed and the data below are received, a revision to the FIRM and FIS report would be warranted.

- Detailed application and certification forms must be used for requesting final revisions to the maps. Therefore, when the map revision request for the area covered by this letter is submitted, Form 1, entitled "Overview and Concurrence Form," must be included. A copy of this form may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2>.
- The detailed application and certification forms listed below may be required if as-built conditions differ from the proposed plans. If required, please submit new forms, which may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2>, or annotated copies of the previously submitted forms showing the revised information.

Form 2, entitled "Riverine Hydrology and Hydraulics Form." Hydraulic analyses for as-built conditions of the base flood, the 10-percent, 2-percent, and 0.2-percent-annual-chance floods, and the regulatory floodway, must be submitted with Form 2.

- A certified topographic work map showing the revised and effective base and 0.2-percent-annual-chance floodplain and floodway boundaries. Please ensure that the revised information ties in with the current effective information at the downstream and upstream ends of the revised reach.
- An annotated copy of the FIRM, at the scale of the effective FIRM, that shows the revised base and 0.2-percent-annual-chance floodplain and floodway boundary delineations shown on the submitted work map and how they tie-in to the base and 0.2-percent-annual-chance floodplain and floodway boundary delineations shown on the current effective FIRM at the downstream and upstream ends of the revised reach.
- As-built plans, certified by a registered Professional Engineer, of all proposed project elements.
- A copy of the public notice distributed by your community stating its intent to revise the regulatory floodway, or a signed statement by your community that it has notified all affected property owners and affected adjacent jurisdictions.
- Documentation of the individual legal notices sent to property owners who will be affected by any widening or shifting of the base floodplain and/or any BFE increases along Cache La Poudre River.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency

Washington, D.C. 20472

CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (CONTINUED)

DATA REQUIRED FOR FOLLOW-UP LOMR (continued)

• FEMA's fee schedule for reviewing and processing requests for conditional and final modifications to published flood information and maps may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/status/flood-map-related-fees>. The fee at the time of the map revision submittal must be received before we can begin processing the request. Payment of this fee can be made through a check or money order, made payable in U.S. funds to the National Flood Insurance Program, or by credit card (Visa or MasterCard only). Please either forward the payment, along with the revision application, to the following address:

Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203

or submit the LOMR using the Online LOMC portal at: <https://hazards.fema.gov/femaportal/onlinelomc/signin>

After receiving appropriate documentation to show that the project has been completed, FEMA will initiate a revision to the FIRM and FIS report. Because the flood hazard information (i.e., base flood elevations, base flood depths, SFHAs, zone designations, and/or regulatory floodways) will change as a result of the project, a 90-day appeal period will be initiated for the revision, during which community officials and interested persons may appeal the revised flood hazard information based on scientific or technical data.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

COMMUNITY REMINDERS

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Jeanine P. Petterson
Director, Mitigation Division
Federal Emergency Management Agency, Region VIII
Denver Federal Center, Building 710
P.O. Box 25267
Denver, CO 80225-0267
(303) 235-4830

A preliminary study is being conducted for Larimer County. Preliminary copies of the revised FIRM and FIS report were submitted to your community for review on January 26, 2021, and may become effective before the revision request following this CLOMR is submitted. The hydraulic tie-in for this CLOMR has been achieved with the preliminary study, not the effective. Please ensure that the data submitted for the revision ties into the data effective at the time of the submittal.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency

Washington, D.C. 20472

February 3, 2022

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Mark Soukup
Mayor, Town of Timnath
4750 Signal Tree Drive
Timnath, CO 80547

IN REPLY REFER TO:

Case No.: 21-08-0757R
Community Name: Town of Timnath, CO
Community No.: 080005

104

Dear Mayor Soukup:

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 (FIRM) 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 Mapping and Insurance 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/flood-insurance>.

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: The Honorable Kristin Stephens
Chair, Larimer County
Board of Commissioners

Mr. Don Taranto
Town Engineer
Town of Tamnath

Mr. Suleyman Akalin, PhD, PE, CFM
Water Resources Project Manager
Galloway and Company, Inc.

Ms. Sheri Welch
Manager
CWH Properties, LLC

Ms. Terri Fead, P.E., CFM
Floodplain Mapping Coordinator
Colorado Water Conservation Board

Marta Blanco Castaño, GISP, CFM
Flood Mapping Program Assistant
Colorado Water Conservation Board

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



Federal Emergency Management Agency

Washington, D.C. 20472

CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT

COMMUNITY INFORMATION		PROPOSED PROJECT DESCRIPTION	BASIS OF CONDITIONAL REQUEST
COMMUNITY	Town of Timnath Larimer County Colorado	FILL EXCAVATION GRADING	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 080005		
IDENTIFIER	Connell Development CLOMR	APPROXIMATE LATITUDE & LONGITUDE: 40.522, -104.986 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
AFFECTED MAP PANELS			
TYPE: FIRM* NO.: 08069C1013F DATE: December 19, 2006		* FIRM - Flood Insurance Rate Map	

FLOODING SOURCE AND REACH DESCRIPTION

Cache La Poudre River – from approximately 240 feet upstream of County Road 36 to just downstream of East Harmony Road

PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Cache La Poudre River	Fill Placement and Grading	Along the right overbank from just upstream of County Road 36 to approximately 950 feet downstream of East Harmony Road
	Excavation and Grading	Along the right overbank from approximately 2,810 feet to approximately 1,210 feet downstream of East Harmony Road

SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Cache La Poudre River	Floodway	Floodway	Yes	Yes
	Zone AE	Zone AE	Yes	Yes
	BFEs*	BFEs	Yes	Yes
	Zone X (shaded)	Zone X (shaded)	None	Yes

* BFEs - Base (1-percent-annual-chance) Flood Elevations

COMMENT

This document provides the Federal Emergency Management Agency's (FEMA's) comment regarding a request for a CLOMR for the project described above. This document is not a final determination; it only provides our comment on the proposed project in relation to the flood hazard information shown on the effective National Flood Insurance Program (NFIP) map. We reviewed the submitted data and the data used to prepare the effective flood hazard information for your community and determined that the proposed project meets the minimum floodplain management criteria of the NFIP. Your community is responsible for approving all floodplain development and for ensuring that all permits required by Federal or State/Commonwealth law have been received. State/Commonwealth, county, and community officials, based on their knowledge of local conditions and in the interest of safety, may set higher standards for construction in the Special Flood Hazard Area (SFHA), the area subject to inundation by the base flood. If the State/Commonwealth, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence over the minimum NFIP criteria.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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

21-08-0757R

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Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS CONDITIONAL REQUEST

CID Number: 080101

Name: Larimer County, Colorado

AFFECTED MAP PANELS

TYPE: FIRM

NO.: 08069C1013F

DATE: December 19, 2006

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency

Washington, D.C. 20472

CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

To determine the changes in flood hazards that will be caused by the proposed project, we compared the hydraulic modeling reflecting the proposed project (referred to as the proposed conditions model) to the hydraulic modeling used to prepare the Flood Insurance Study (FIS) (referred to as the effective model). If the effective model does not provide enough detail to evaluate the effects of the proposed project, an existing conditions model must be developed to provide this detail. This existing conditions model is then compared to the effective model and the proposed conditions model to differentiate the increases or decreases in flood hazards caused by more detailed modeling from the increases or decreases in flood hazards that will be caused by the proposed project.

The table below shows the changes in the BFEs:

BFE Comparison Table

Flooding Source:		BFE Change (feet)	Location of maximum change
Cache La Poudre River			
Existing vs. Effective	Maximum increase	None	Not Applicable
	Maximum decrease	2.6	Approximately 1,460 feet downstream of East Harmony Road
Proposed vs. Existing	Maximum increase	None	Not Applicable
	Maximum decrease	0.6	Approximately 1,120 feet downstream of East Harmony Road
Proposed vs. Effective	Maximum increase	None	Not Applicable
	Maximum decrease	2.8	Approximately 1,450 feet downstream of East Harmony Road

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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Engineering Services Branch
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

DATA REQUIRED FOR FOLLOW-UP LOMR

Upon completion of the project, your community must submit the data listed below and request that we make a final determination on revising the effective FIRM and FIS report. If the project is built as proposed and the data below are received, a revision to the FIRM and FIS report would be warranted.

- Detailed application and certification forms must be used for requesting final revisions to the maps. Therefore, when the map revision request for the area covered by this letter is submitted, Form 1, entitled "Overview and Concurrence Form," must be included. A copy of this form may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2>.

- The detailed application and certification forms listed below may be required if as-built conditions differ from the proposed plans. If required, please submit new forms, which may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2>, or annotated copies of the previously submitted forms showing the revised information.

Form 2, entitled "Riverine Hydrology and Hydraulics Form." Hydraulic analyses for as-built conditions of the base flood, the 10-percent, 2-percent, and 0.2-percent-annual-chance floods, and the regulatory floodway, must be submitted with Form 2.

- A certified topographic work map showing the revised and effective base and 0.2-percent-annual-chance floodplain and floodway boundaries. Please ensure that the revised information ties in with the current effective information at the downstream and upstream ends of the revised reach.

- An annotated copy of the FIRM, at the scale of the effective FIRM, that shows the revised base and 0.2-percent-annual-chance floodplain and floodway boundary delineations shown on the submitted work map and how they tie-in to the base and 0.2-percent-annual-chance floodplain and floodway boundary delineations shown on the current effective FIRM at the downstream and upstream ends of the revised reach.

- As-built plans, certified by a registered Professional Engineer, of all proposed project elements.

- A copy of the public notice distributed by your community stating its intent to revise the regulatory floodway, or a signed statement by your community that it has notified all affected property owners and affected adjacent jurisdictions.

- Documentation of the individual legal notices sent to property owners who will be affected by any widening or shifting of the base floodplain and/or any BFE increases along Cache La Poudre River.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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



Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

DATA REQUIRED FOR FOLLOW-UP LOMR (continued)

• FEMA's fee schedule for reviewing and processing requests for conditional and final modifications to published flood information and maps may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/status/flood-map-related-fees>. The fee at the time of the map revision submittal must be received before we can begin processing the request. Payment of this fee can be made through a check or money order, made payable in U.S. funds to the National Flood Insurance Program, or by credit card (Visa or MasterCard only). Please either forward the payment, along with the revision application, to the following address:

Colorado Water Conservation Board
1313 Sherman Street, Room 718
Denver, CO 80203

or submit the LOMR using the Online LOMC portal at: <https://hazards.fema.gov/femaportal/onlinelomc/signin>

After receiving appropriate documentation to show that the project has been completed, FEMA will initiate a revision to the FIRM and FIS report. Because the flood hazard information (i.e., base flood elevations, base flood depths, SFHAs, zone designations, and/or regulatory floodways) will change as a result of the project, a 90-day appeal period will be initiated for the revision, during which community officials and interested persons may appeal the revised flood hazard information based on scientific or technical data.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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Engineering Services Branch
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency
Washington, D.C. 20472

**CONDITIONAL LETTER OF MAP REVISION
COMMENT DOCUMENT (CONTINUED)**

COMMUNITY INFORMATION (CONTINUED)

COMMUNITY REMINDERS

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Jeanine P. Petterson
Director, Mitigation Division
Federal Emergency Management Agency, Region VIII
Denver Federal Center, Building 710
P.O. Box 25267
Denver, CO 80225-0267
(303) 235-4830

A preliminary study is being conducted for the Town of Timnath. Preliminary copies of the revised FIRM and FIS report were submitted to your community for review on January 26, 2021, and may become effective before the revision request following this CLOMR is submitted. The hydraulic tie-in for this CLOMR has been achieved with the preliminary study, not the effective. Please ensure that the data submitted for the revision ties into the data effective at the time of the submittal.

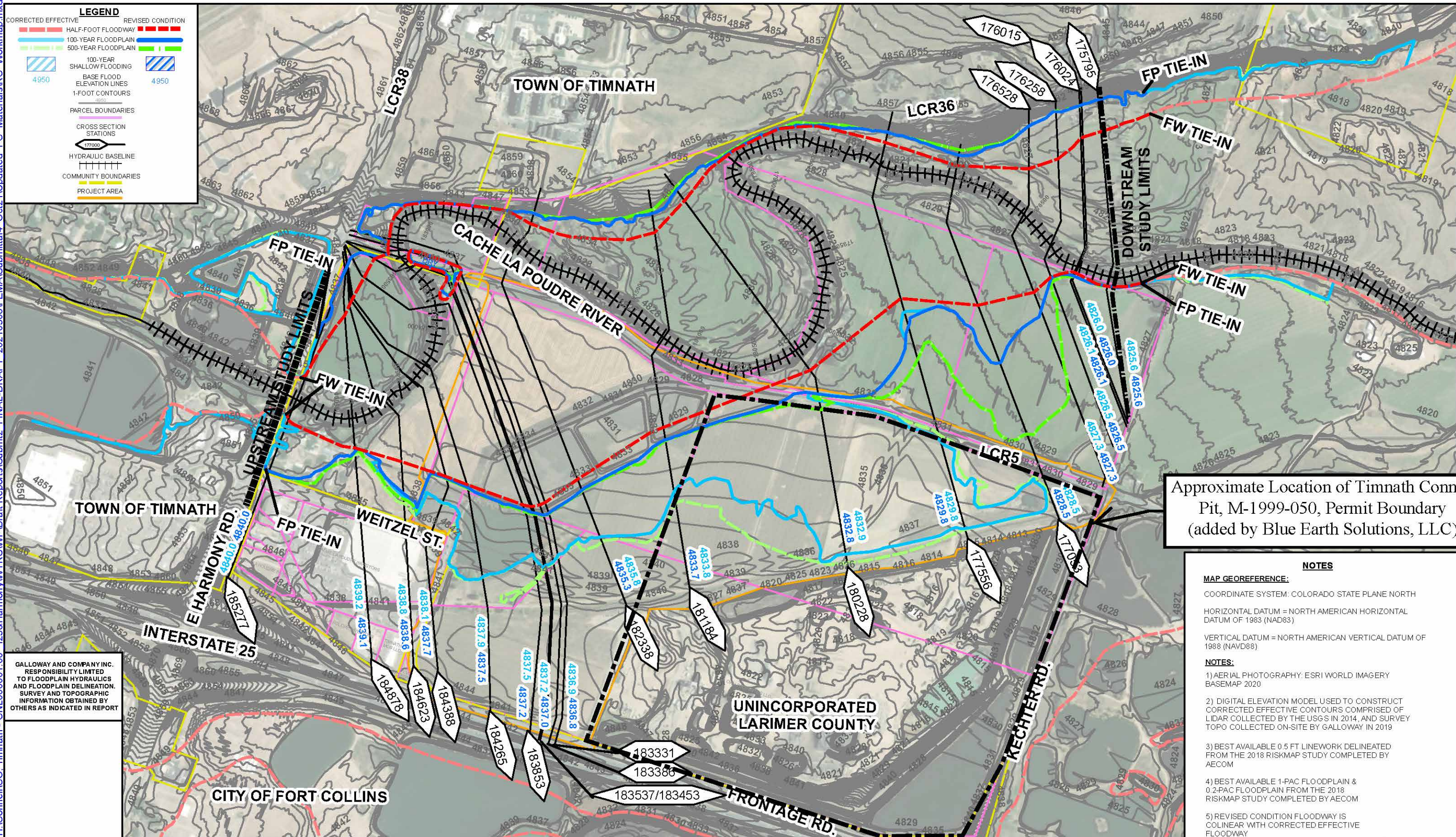
This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

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

ATTACHMENT D

CLOMR Workmap

Document Path: H:\Connell\CO, Timnath - CNL000001.00 125&Harmony\WTR\WP\Draft Reports\Submittal2 FINAL-DRAFT 20210308\FEMA\Submittal4_Oct21\Updated RC Materials\RC_Workmap.mxd



Approximate Location of Timnath Connell Pit, M-1999-050, Permit Boundary (added by Blue Earth Solutions, LLC)

NOTES

MAP GEOREFERENCE:

COORDINATE SYSTEM: COLORADO STATE PLANE NORTH

HORIZONTAL DATUM = NORTH AMERICAN HORIZONTAL DATUM OF 1983 (NAD83)

VERTICAL DATUM = NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

NOTES:

1) AERIAL PHOTOGRAPHY: ESRI WORLD IMAGERY BASEMAP 2020

2) DIGITAL ELEVATION MODEL USED TO CONSTRUCT CORRECTED EFFECTIVE CONTOURS COMPRISED OF LIDAR COLLECTED BY THE USGS IN 2014, AND SURVEY TOPO COLLECTED ON-SITE BY GALLOWAY IN 2019

3) BEST AVAILABLE 0.5 FT LINWORK DELINEATED FROM THE 2018 RISKMAP STUDY COMPLETED BY AECOM

4) BEST AVAILABLE 1-PAC FLOODPLAIN & 0.2-PAC FLOODPLAIN FROM THE 2018 RISKMAP STUDY COMPLETED BY AECOM

5) REVISED CONDITION FLOODWAY IS COLINEAR WITH CORRECTED EFFECTIVE FLOODWAY

Galloway
Planning, Architecture, Engineering
5265 Ronald Reagan Blvd., Suite 210
Johnstown, CO 80534
970.800.3300 GallowayUS.com

Original Scale: 1" = 600'

Reprinted by
Blue Earth Solutions, LLC
Not to Original Scale

600 300 0 1,800 Feet

DRAWN BY: PMO	PROJECT NUMBER: CNL000001.00
DESIGNED BY: PMO	PROJECT FILE: RC_Workmap
CHECKED BY: SA	DATE: 11/16/2021

CWH PROPERTIES, LLC
CACHE LA POUDRE RIVER
CLOMR

CORRECTED EFFECTIVE & REVISED CONDITION FLOODPLAIN COMPARATIVE WORKMAP

APPENDIX D.2

ATTACHMENT E

CLOMR Workmap Closeup Excerpt

NOTES:

1. THE GRADING AND FLOODPLAIN DELINEATIONS SHOWN ON THIS EXHIBIT ARE FROM FEMA CASE NO. 21-08-0757R, APPROVED ON 2/3/2022.
2. THE AERIAL IMAGERY IS AN ORTHOMOSAIC IMAGE GENERATED FROM A DRONE SURVEY OF THE LADERA SITE FLOWN ON 9/22/2022.

