



October 10, 2012

Eric Scott
Environmental Protection Specialist
Division of Reclamation, Mining and Safety
1313 Sherman St., Room 215
Denver, CO 80203

Re: Turnpike Sand and Gravel Mine, M2004-009

Dear Mr. Scott,

As a follow up to my letter to you on July 19, 2012, this letter is to inform you that since July, Martin/Martin has worked very closely with the Town of Erie, FEMA, and Weld County with the technical analysis associated with the Letter of Map Revision (LOMR) for the reach of Boulder Creek Floodplain that is adjacent to the Turnpike Sand and Gravel Mine. As a result of this effort, the floodplain and floodway boundaries, as well as the Base Flood Elevations have been revised and agreed upon by the Weld County Floodplain Manager (Clay Kimmi) and by FEMA's reviewer (James Lindsay). The executed "Overview & Concurrence Form," indicating Weld County's approval is attached for your reference.

The final LOMR submittal has been made to FEMA, and the public notice for the LOMR has been mailed to adjacent property owners. It is anticipated that FEMA will provide final formal approval in approximately 30 days. When we receive final approval, I will send a copy to Rob Laird of ASCI. He indicated he will send you a copy as supplementary information for their mining efforts.

As you probably know, it may take several months before FEMA makes the approved Flood Insurance Rate Maps (FIRM) available for use by the public. As a convenience, we have provided the updated floodplain mapping to ASCI for use with their mining permit exhibits. For your convenience, attached to this letter is the revised FIRM and floodplain workmap from the final LOMR application.

Please feel free to call me if you have any questions on this matter.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Mark Thornbrough', is written over a light blue circular stamp.

Mark Thornbrough, CFM, P.E.
Associate

Attachments

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
080266	Weld County, Colorado	CO	080266	0850C	09/28/82

2. a. Flooding Source: Boulder Creek

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

3. Project Name/Identifier: Lower Boulder Creek LOMR

4. FEMA zone designations affected: A (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: \$5,300

☐ No, Attach Explanation

Please see the DHS-FEMA Web site at http://www.fema.gov/plan/prevent/fhm/fm_fees.shtml 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: Gary Behlen (Public Works Director)

Company: Town of Erie

Mailing Address:
645 Holbrook Street
Erie, CO 80516

Daytime Telephone No.: 303.926.2871

Fax No.: 303.926.2706

E-Mail Address: gbehlen@erieco.gov

Signature of Requester (required):

Date:

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: Clay Kimmi (Drainage & FP Engineer)

Community Name: Weld County

Mailing Address:
1111 H Street
Greeley, CO 80632

Daytime Telephone No.: 970.304.6496

Fax No.: 970.304.6497

E-Mail Address: CKimmi@co.weld.co.us

Community Official's Signature (required):

Clay Kimmi

Date: 10/3/12

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: Patrick Horn

License No.: 28746

Expiration Date: 2/28/13

Company Name: Martin/Martin Inc.

Telephone No.: 303.431.6100

Fax No.: 303.431.4028

Signature:

Date:

E-Mail Address: phorn@martinmartin.com

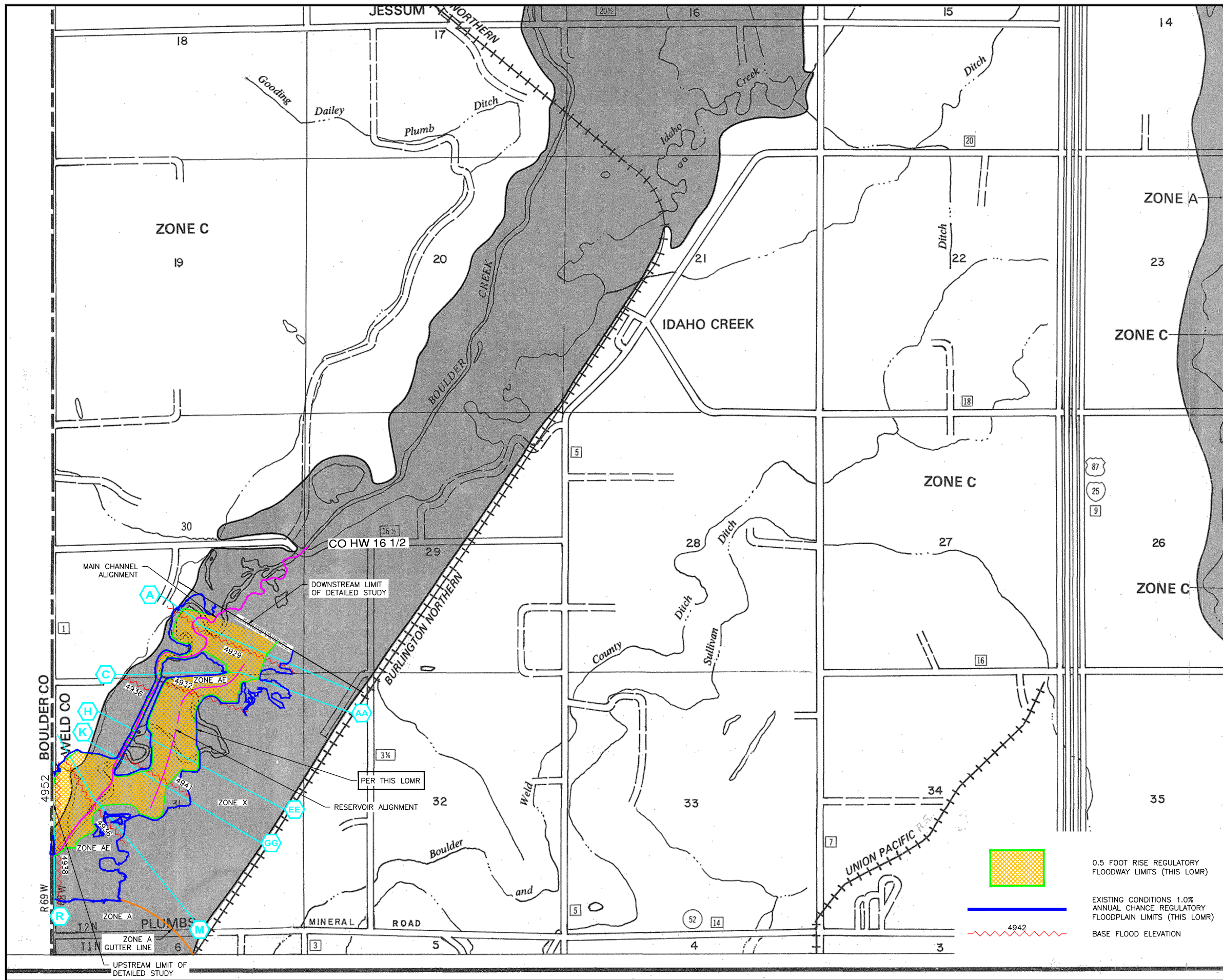
Ensure the forms that are appropriate to your revision request are included in your submittal.

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)



APPROXIMATE SCALE

2000 0 2000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

WELD COUNTY, COLORADO

UNINCORPORATED AREA

PANEL 850 OF 1075


(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER

080266 0850 C

MAP REVISED:

SEPTEMBER 28, 1982

 federal emergency management agency

R JR. INC. "A" FRAME

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

CAD INFORMATION

Project Name: Lower Boulder Creek FEMA LOMR
Drawing Title: TOPOGRAPHIC WORKMAP
Drawing Number: 22502 C 01
Drawing Date: 06/01/2011
Drawing By: B.YRNE
Drawing Check: THORNBROUGH/HORN

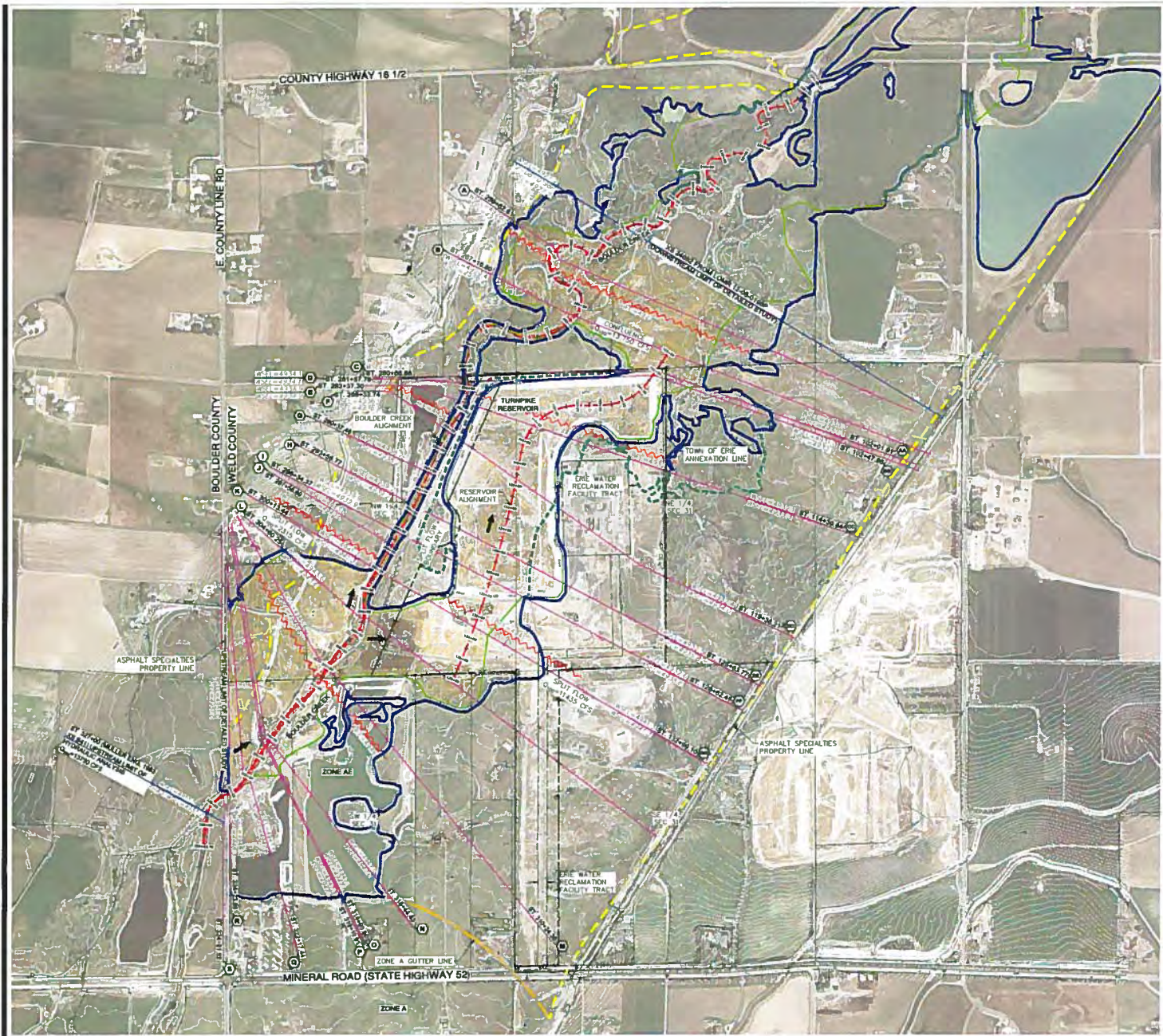
Model Space: Plan View
Plot Date: 06/01/2011
Plot Time: 10:00 AM
Plot User: B.YRNE
Plot Device: HP-PLT

X References: 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Project Manager: M. J. HORN
Designed By: B. YRNE
Drawn By: B. YRNE
Checked By: THORNBROUGH/HORN

Location: 22502 C 01, Lower Boulder Creek, WELD COUNTY, COLORADO
Job Number: 22502 C 01
Sheet Number: 1 of 1

Project Name: Lower Boulder Creek FEMA LOMR
Drawing Title: TOPOGRAPHIC WORKMAP
Drawing Number: 22502 C 01
Drawing Date: 06/01/2011
Drawing By: B.YRNE
Drawing Check: THORNBROUGH/HORN



LEGEND

- 0.5 FOOT RISE FLOODWAY LIMITS (THIS LOWR)
- EXISTING CONDITIONS 1.0% ANNUAL CHANCE REGULATORY FLOODPLAIN LIMITS (THIS LOWR)
- PRE-PROJECT CONDITIONS 1.0% ANNUAL CHANCE FLOODPLAIN LIMITS
- EFFECTIVE FLOODPLAIN BY APPROXIMATE METHODS (FROM PANEL 060256000000)
- REACH ALIGNMENT
- EXISTING CONDITIONS HEI-RAS MODEL SECTIONS
- UPSTREAM/DOWNSTREAM RE-W CROSS SECTIONS
- EXISTING CONDITIONS WSEL
- PRE-PROJECT CONDITIONS WSEL
- BASE FLOOD ELEVATION
- EXISTING CONTOURS
- PROPERTY LINE
- SECTION LINE

NOTES

- HYDROLOGIC FLOWS WERE TAKEN FROM THE LOWER BOULDER CREEK FLOOD HAZARD AREA DEVIATION PREPARED BY MULLER ENGINEERING COMPANY INC. MARCH 1983.
- PRE-PROJECT CONDITIONS WATER SURFACE ELEVATIONS ARE PER AERIAL TOPOGRAPHIC SURVEY COMPLETED IN 2003. ELEVATIONS AND DEVIATING FLOODPLAIN LIMITS ARE SHOWN FOR INFORMATION ONLY.
- SURVEY INFORMATION
SUPPLEMENTAL SECTION SURVEY WAS COMPLETED BY MARTIN/MARTIN INC. IN MARCH, 2011. A SUPPLEMENTAL TOPOGRAPHIC SURVEY WAS COMPLETED BY LUCCHETTI SURVEYING IN NOVEMBER 2011.
EXISTING 2' CONTOURS WERE PROVIDED FROM AERO-METRIC, INC. FROM DATA COMPILED BY DIGITAL STEREO PHOTOGRAMMETRIC METHODS USING AERIAL PHOTOGRAPHY TAKEN DECEMBER 2, 2003.
AERIAL TOPOGRAPHY WAS PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO COMPLY WITH THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY (NSSDA).
- BENCHMARK
ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC SURVEY (NGS) STATION HAPPY JACK. THE STATION IS A STANDARD NGS DOK STAMPED HAPPY JACK 1989 SET INTO THE TOP OF A ROUND CONCRETE MONUMENT 12 INCHES IN DIAMETER FLUSH WITH THE GROUND. THE STATION IS LOCATED 0.3 MILES SOUTH OF THE INTERSECTION OF OXFORD ROAD AND NORTH 115TH STREET. 63 FEET SOUTH FROM A TELEPHONE JUNCTION BOX FOR UNDERGROUND CABLES. 31 FEET WEST FROM THE CENTER OF A DIRT ROAD, 4 FEET NORTH FROM A WITNESS POST AND 15 FEET EAST FROM AN OLD FENCE LINE.
ELEVATION=5099.0 FEET (NAVD1988 VERTICAL DATUM)

WORK MAP CERTIFICATION
THIS TOPOGRAPHIC WORK MAP WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF MARTIN/MARTIN, INC. THE INFORMATION SHOWN ON THIS MAP IS CORRECT AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PATRICK F. HORN, P.E.
LICENSE NO. 28764 (COLORADO)

Date: _____

SCALE 1"=400'

MARTIN/MARTIN ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

**LOWER BOULDER CREEK
FEMA LOMR
TOWN OF ERIE
WELD COUNTY, COLORADO
TOPOGRAPHIC WORKMAP**

MARTIN / MARTIN
ENGINEERING ENGINEERS
1848 WEST OXFORD AVE
P.O. BOX 181800
DENVER, CO 80218
303.431.8100
FAX 303.431.4038

No.	Description of Revisions	Date	By
1	REVISED PER FINAL DESIGN	06/01/2011	B.YRNE
2	REVISED PER FINAL DESIGN	06/01/2011	B.YRNE
3	REVISED PER FINAL DESIGN	06/01/2011	B.YRNE
4	REVISED PER FINAL DESIGN	06/01/2011	B.YRNE

Date: JUNE, 2011
Job Number: 22502 C 01
Drawn By: B.YRNE
Checked By: THORNBROUGH/HORN

Sheet Number: _____

PR-FP