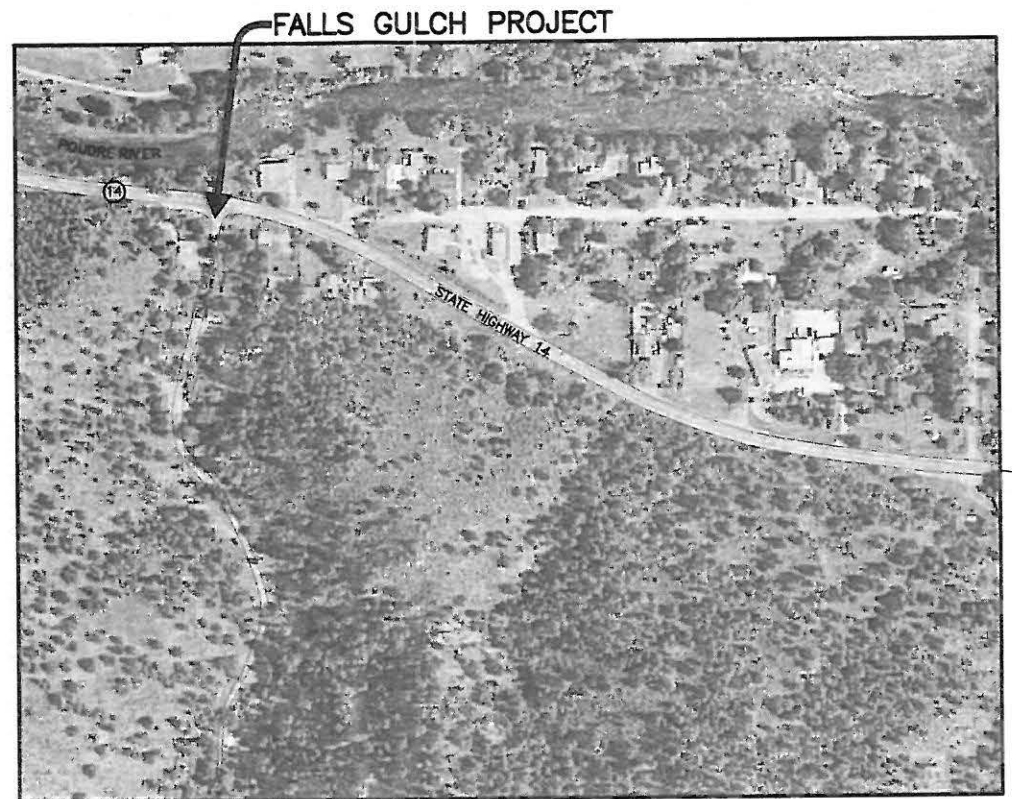
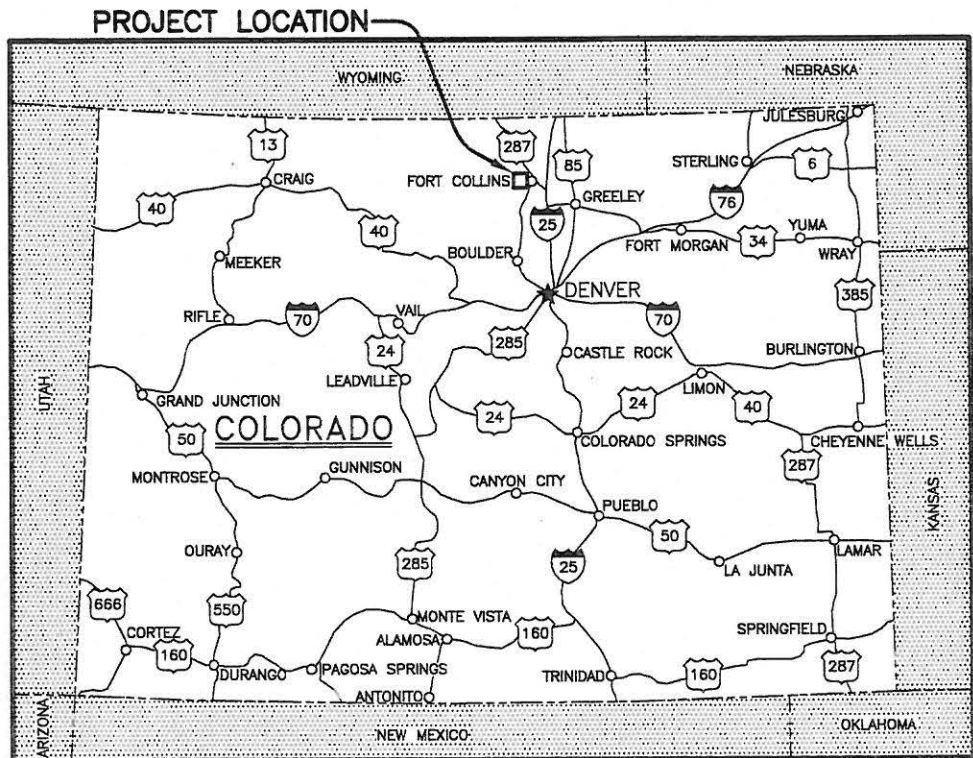


# U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE FALLS GULCH FLOOD PROTECTION RECOMMENDATIONS

DATE 10/9/12  
DESIGNED D. WOLFF  
DRAWN D.D. DROULLARD  
CHECKED A. ALBIN  
APPROVED \_\_\_\_\_  
COLORADO



INDEX OF DRAWINGS	
TITLE	SHEET NO.
COVER SHEET	1
SITE PLAN	2
CROSS SECTIONS	3
CROSS SECTIONS	4
CHANNEL DEBRIS BARRIER	5

**COLORADO STATE MAP**  
NOT TO SCALE

**PROJECT VICINITY MAP**  
NOT TO SCALE

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS	
NO.	TITLE

COOPERATOR AGREEMENT	
THIS PLAN HAS BEEN DISCUSSED WITH ME BY THE NRCS AND I AM IN AGREEMENT WITH THE CALCULATIONS AND DESIGN. I WILL PROVIDE NRCS WITH THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) TICKET NUMBER MY CONTRACTOR HAS ACQUIRED PRIOR TO START OF CONSTRUCTION.	
COOPERATOR _____	DATE: _____

CONSTRUCTION QUANTITIES

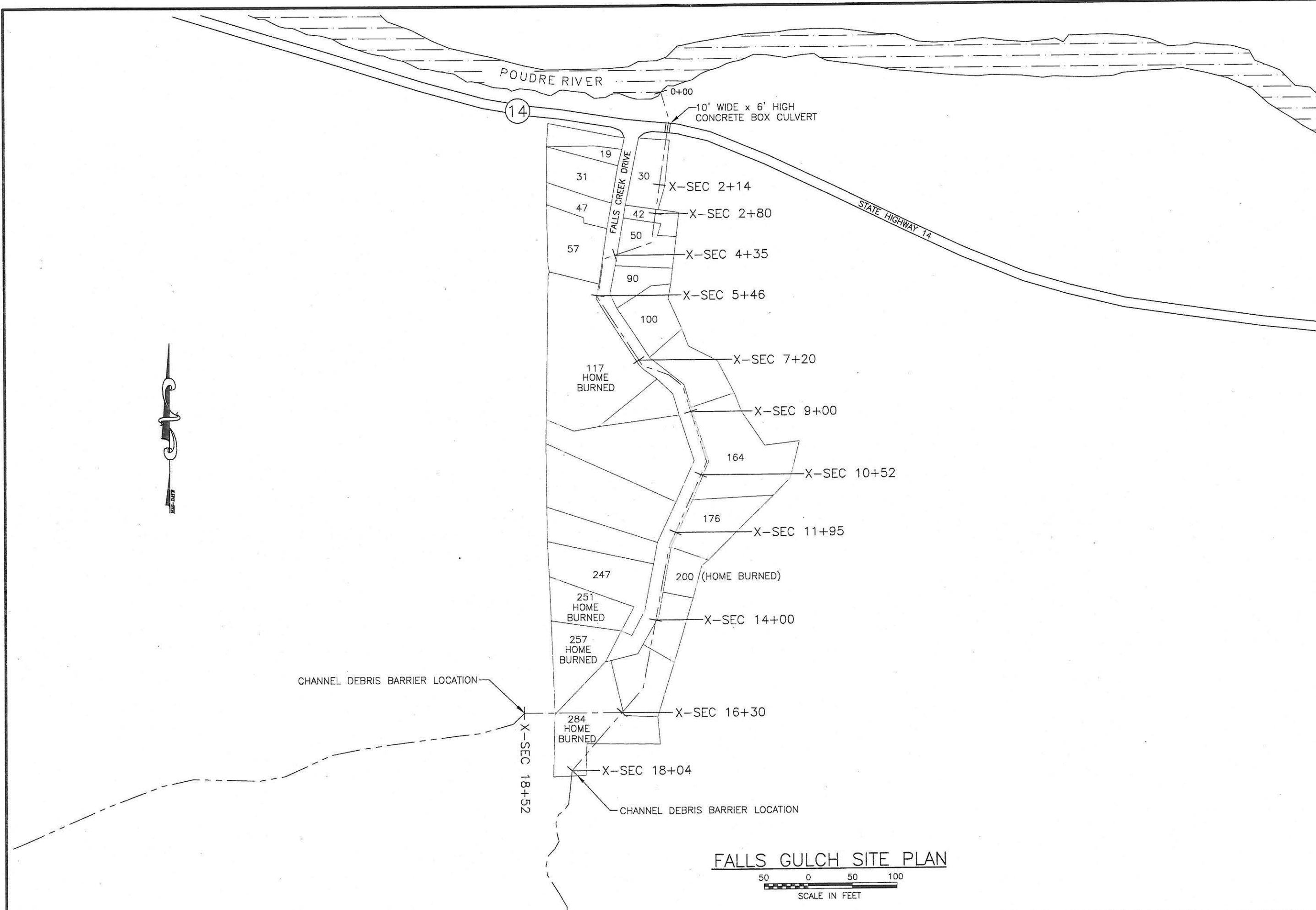
UTILITY NOTIFICATION	
<b>NOTICE TO THE COOPERATOR AND CONTRACTOR</b>	
NO REPRESENTATION IS MADE BY THE NATURAL RESOURCES CONSERVATION SERVICE AS TO THE EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES. CALL UTILITY NOTIFICATION CENTER OF COLORADO AT 1-800-922-1987 OR 811. IN THE METRO DENVER AREA CALL 303-232-0491 OR 811.	
UNCC TICKET NUMBER: _____	

CONSTRUCTION DATA & AS-BUILT DRAWINGS	
LAYOUT BY: _____ DATE: _____	
CONTRACTOR NAME AND ADDRESS: _____ _____ _____	
CONSTRUCTION COMPLETED _____ DATE: _____	
PRACTICE (DOES) (DOES NOT) MEET STANDARDS AND SPECIFICATIONS. _____ DATE: _____	
TITLE: _____	
AS-BUILT DRAWINGS REVIEWED AND APPROVED BY: _____ DATE: _____	
TITLE: _____	

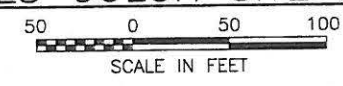
**COVER SHEET**  
FALLS GULCH FLOOD PROTECTION RECOMMENDATIONS  
HIGH PARK BURN AREA  
JOB CLASS \_\_\_\_\_  
LARIMER COUNTY



FILE NO. \_\_\_\_\_  
DRAWING NO. \_\_\_\_\_  
SHEET 1 OF 5



FALLS GULCH SITE PLAN

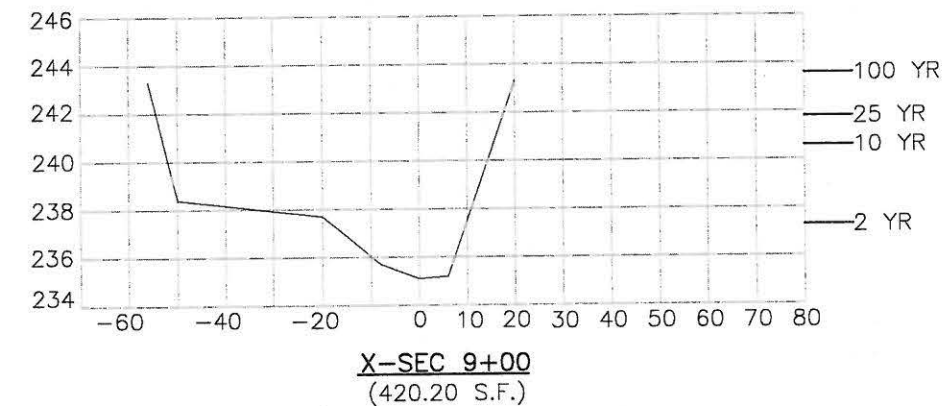
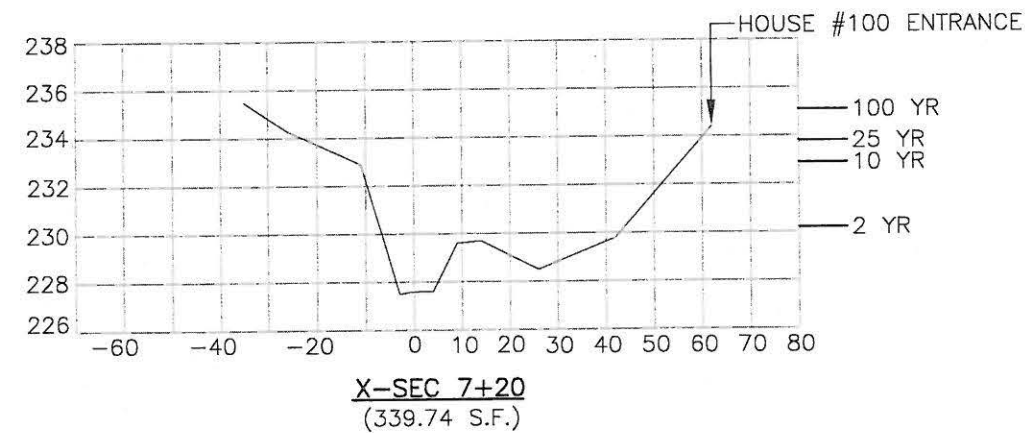
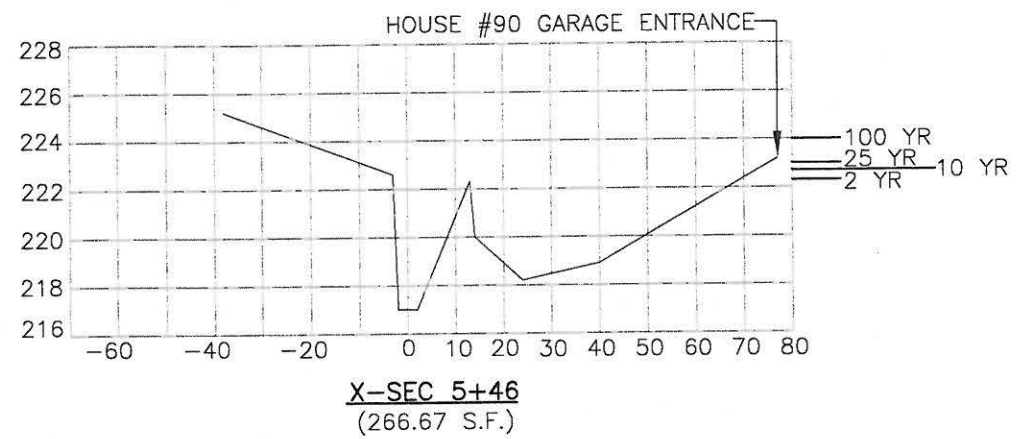
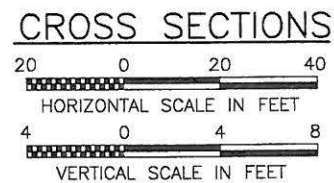
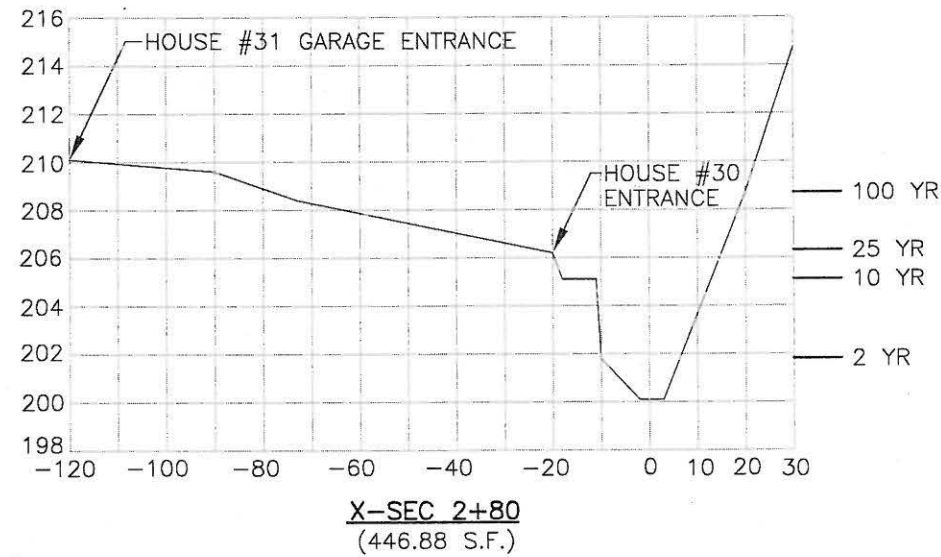
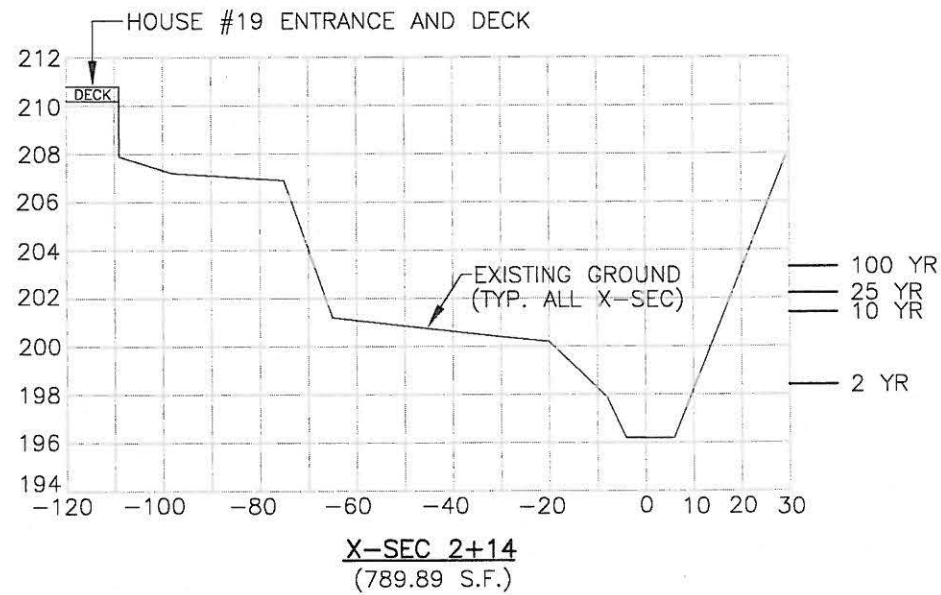


Designed D. WOLFF Date 10/22/12  
 Drawn D.D. DROULLARD 10/22/12  
 Checked A. ALBIN 10/22/12  
 Approved \_\_\_\_\_

SITE PLAN  
 FALLS GULCH FLOOD PROTECTION RECOMMENDATIONS  
 HIGH PARK BURN AREA  
 LARIMER COUNTY COLORADO



File No. \_\_\_\_\_  
 Drawing No. \_\_\_\_\_  
 Sheet of \_\_\_\_\_



**RAINFALL TABLE**

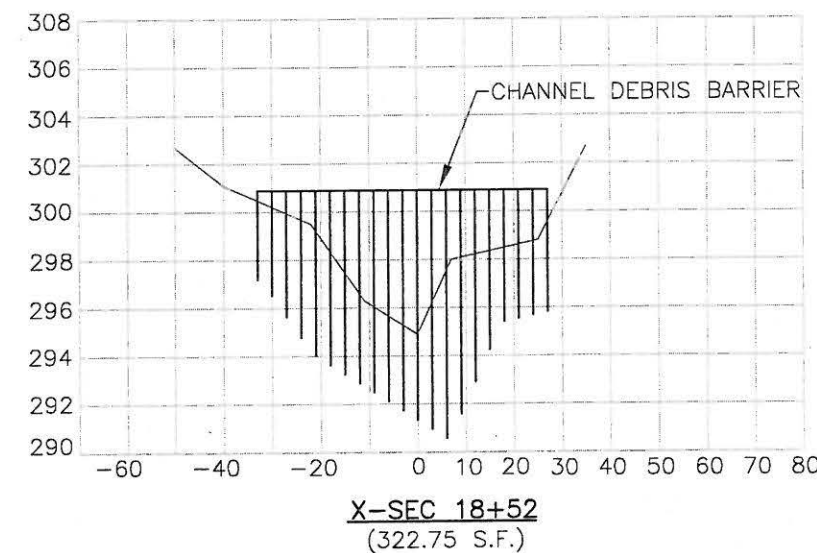
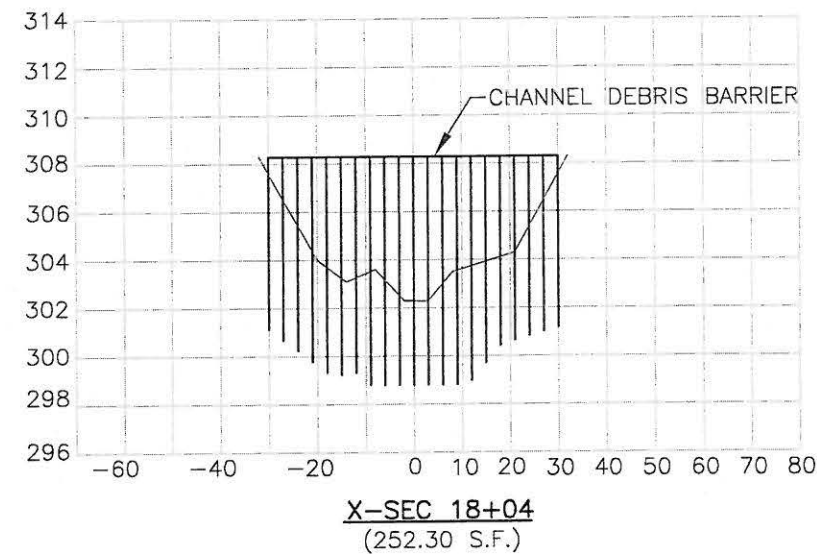
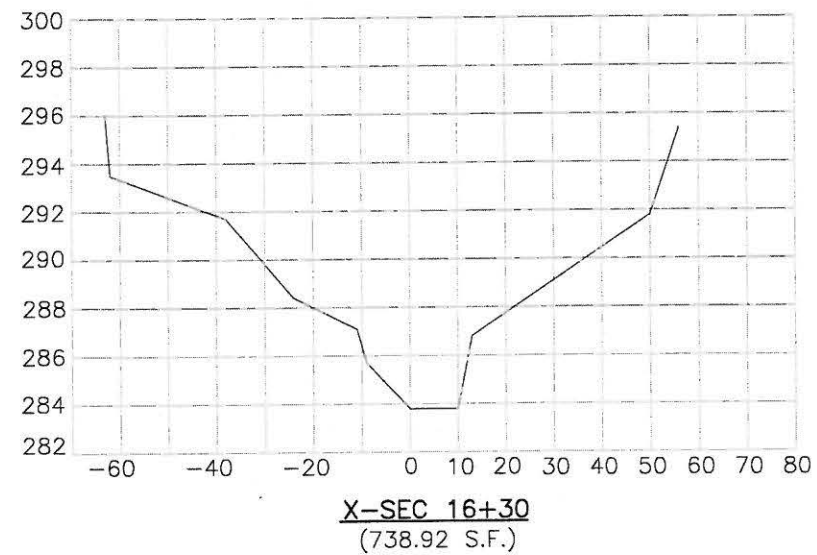
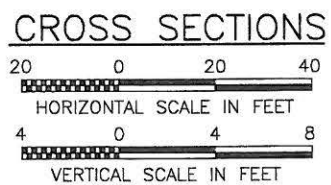
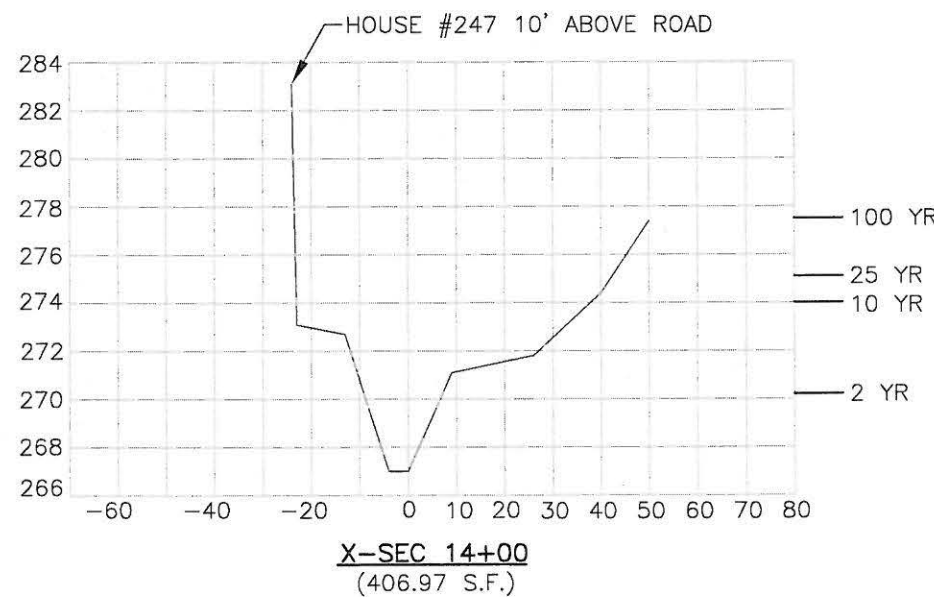
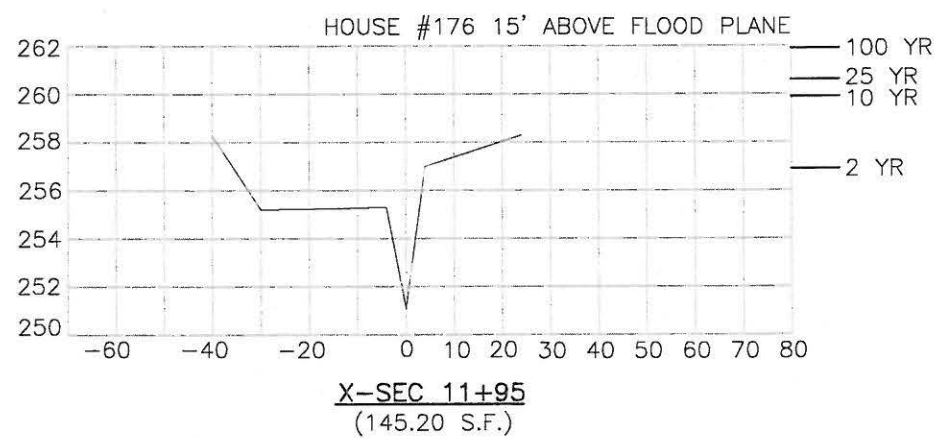
RETURN INTERVAL (YEARS)	DURATION (HOURS)	RAINFALL DEPTH (INCHES)
2	1	0.8
10	1	1.5
25	1	1.8
100	1	2.4

Date 10/22/12  
 Designed D. WOLFF  
 Drawn D.D. DROULLARD  
 Checked A. ALBIN  
 Approved \_\_\_\_\_

**CROSS SECTIONS**  
**FALLS GULCH FLOOD PROTECTION RECOMMENDATIONS**  
 HIGH PARK BURN AREA  
 LARIMER COUNTY  
 COLORADO



File No. \_\_\_\_\_  
 Drawing No. \_\_\_\_\_  
 Sheet of \_\_\_\_\_



**RAINFALL TABLE**

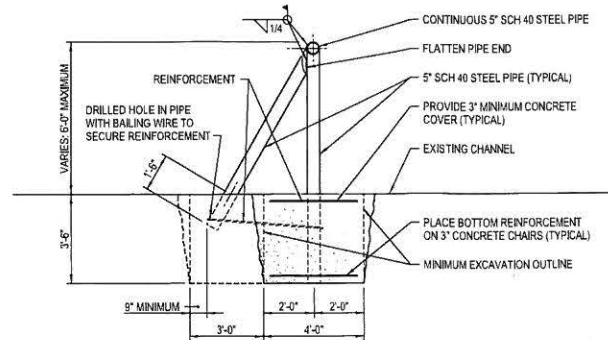
RETURN INTERVAL (YEARS)	DURATION (HOURS)	RAINFALL DEPTH (INCHES)
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**CROSS SECTIONS**  
**FALLS GULCH FLOOD PROTECTION RECOMMENDATIONS**  
 HIGH PARK BURN AREA  
 LARIMER COUNTY  
 COLORADO

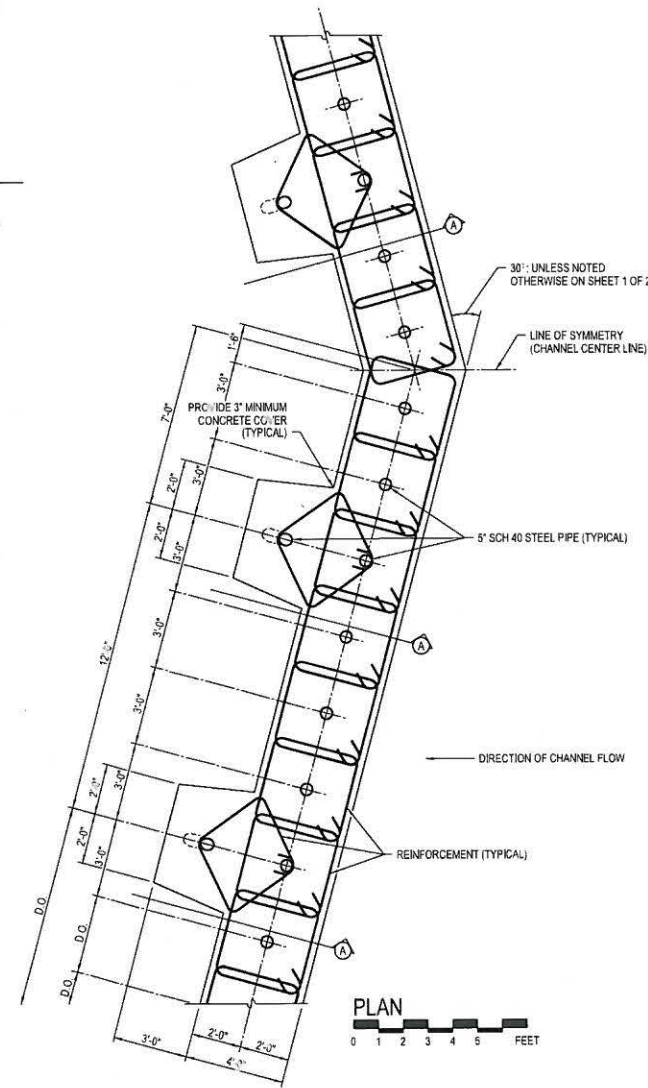
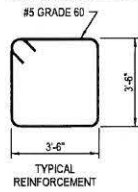


File No. \_\_\_\_\_  
 Drawing No. \_\_\_\_\_  
 Sheet of \_\_\_\_\_



**SECTION - A**  
0 1 2 3 4 5 FEET

- NOTES
1. LENGTH AND ALIGNMENT OF STRUCTURE TO BE DETERMINED ON A SITE SPECIFIC BASIS. SEE SHEET 1 OF 2 FOR DIMENSIONS AND ELEVATIONS.
  2. IN LIEU OF 5' SCH 40 STEEL PIPE, STRUCTURAL STEEL TUBE SHAPES HAVING A SECTION MODULUS OF AT LEAST 4.5 IN<sup>3</sup> MAY BE USED OR W OR Y SHAPES HAVING A SECTION MODULUS OF AT LEAST 4.9 IN<sup>3</sup> MAY BE USED.
  3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 LB/IN<sup>2</sup> AND SHALL HAVE A SLUMP BETWEEN 3 AND 5 INCHES. ALL CONCRETE SHALL BE VIBRATED. EXPOSED CONCRETE SURFACES SHALL BE COATED WITH CURING COMPOUND, OR WET CURED FOR 28 DAYS.



Date	REVISED
DESIGNED	XXXXXXXX
DRAWN	XXXXXXXX
CHECKED	XXXXXXXX
APPROVED	XXXXXXXX

**CHANNEL DEBRIS BARRIER**  
DETAILS, REINFORCEMENT, AND SECTION  
6-FOOT MAXIMUM HEIGHT



File Name  
XXXXXXXXX  
Drawing No.  
XX - X - XXXX  
Sheet 2 of 2