

APPENDIX A – COST ESTIMATES



Job Name: Town of Mead SWMP
Job Number: 1970.76c
Date: November 2018
By: LAT

OPINION OF PROBABLE COSTS
NEAR TERM IMPROVEMENT PROJECTS

Project No.	Description	Quantity	Units	Unit Cost	Total
1					
	Mobilization	1	LS	\$30,000	\$30,000
	Traffic Control	1	LS	\$25,000	\$25,000
	Earthwork, Swale and Pond Grading	1	LS	\$25,000	\$25,000
	Saw Cut - Asphalt	360	LF	\$2	\$600
	Asphalt T-Patch (Assume 6" Thick)	8,200	SF	\$9	\$73,800
	12" CMP (ESVCB3 Detention Pond Outlet Pipe)	70	LF	\$30	\$2,100
	24"x38" HECMP (Under Ritchie Drive)	100	LF	\$47	\$4,700
	36" CMP (CR28 Lateral 3 Ditch Crossing)	50	LF	\$40	\$2,000
	24" RCP (3) (CR9 1/2 Crossing at CR28)	270	LF	\$47	\$12,700
	24" FES (CR9 1/2 Crossing at CR28)	6	EA	\$900	\$5,400
	43"x72" Concrete (Extend Lateral 3 Crossing and Grade Roadside Swale Over Pipe)	100	LF	\$350	\$35,000
	34"x53" HECMP (3) (CR28 Crossing to Exist Drainage Channel)	240	LF	\$80	\$19,200
	Erosion Control	1	LS	\$10,000	\$10,000
	Subtotal				\$245,500
	Contingency (20%)				\$50,000
	Contractor's OH&P (15%)				\$45,000
	Geotech and Surveying Fees				\$50,000
	Professional Engineering				\$50,000
	Project 1 Total				\$441,000
2					
	Mobilization	1	LS	\$30,000	\$30,000
	Traffic Control	1	LS	\$15,000	\$15,000
	Earthwork, Swale Grading	1	LS	\$10,000	\$10,000
	Saw Cut - Asphalt	100	LF	\$2	\$200
	Asphalt T-Patch (Assume 6" Thick)	3,500	SF	\$9	\$31,500
	1.5'x20' Box Culvert (W. View Dr Crossing Upsize)	50	LF	\$1,000	\$50,000
	36" RCP (4) (CR34 1/2 Crossing)	200	LF	\$105	\$21,000
	Erosion Control	1	LS	\$5,000	\$5,000
	Subtotal				\$162,700
	Contingency (20%)				\$33,000
	Contractor's OH&P (15%)				\$30,000
	Geotech and Surveying Fees				\$30,000
	Professional Engineering and Flood Modeling				\$70,000
	Project 2 Total				\$326,000
	Near Term Improvements Grand Total				\$767,000

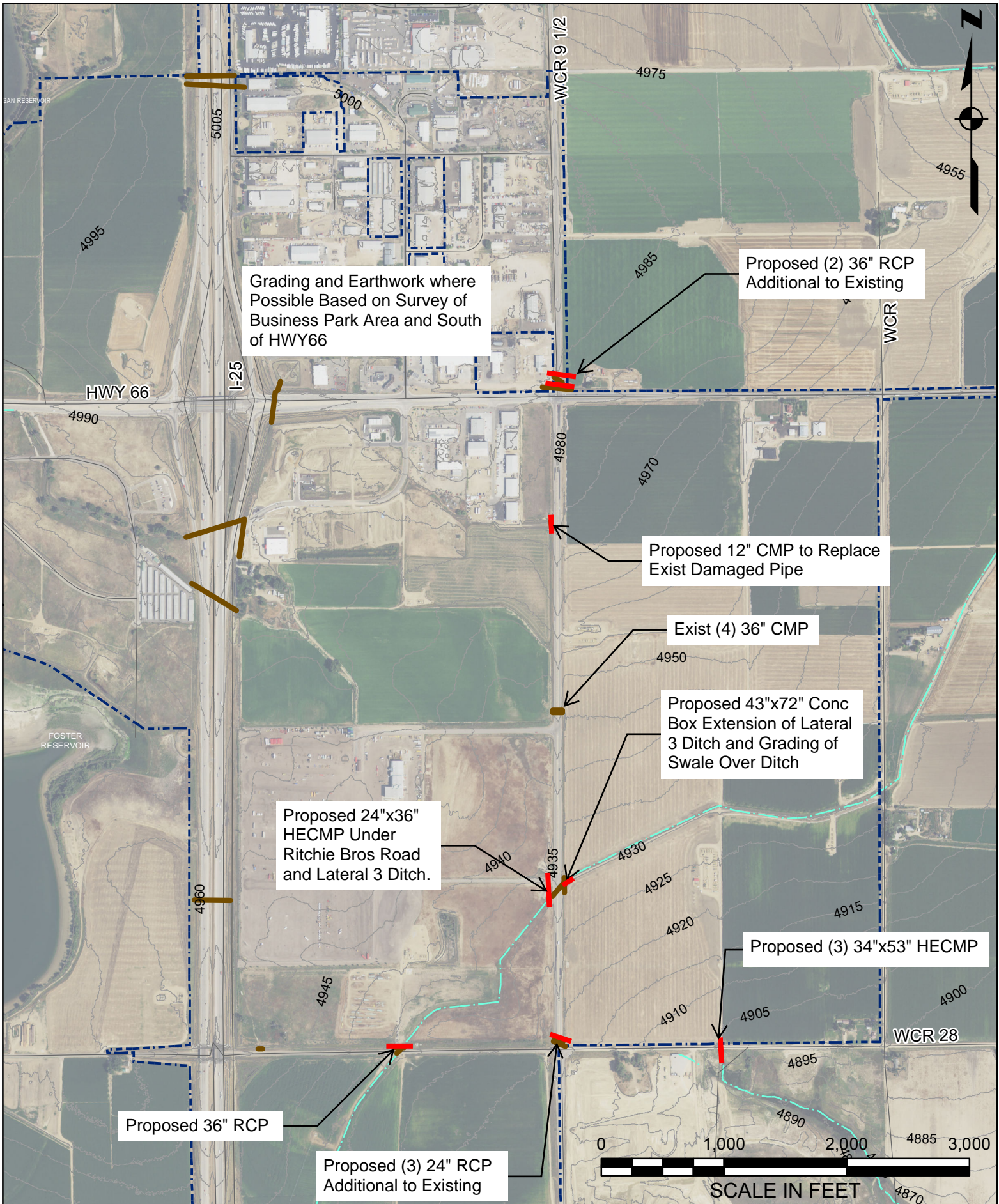


FIGURE 1 - PROJECT 1
TOWN OF MEAD STORMWATER CIP
JULY 2018

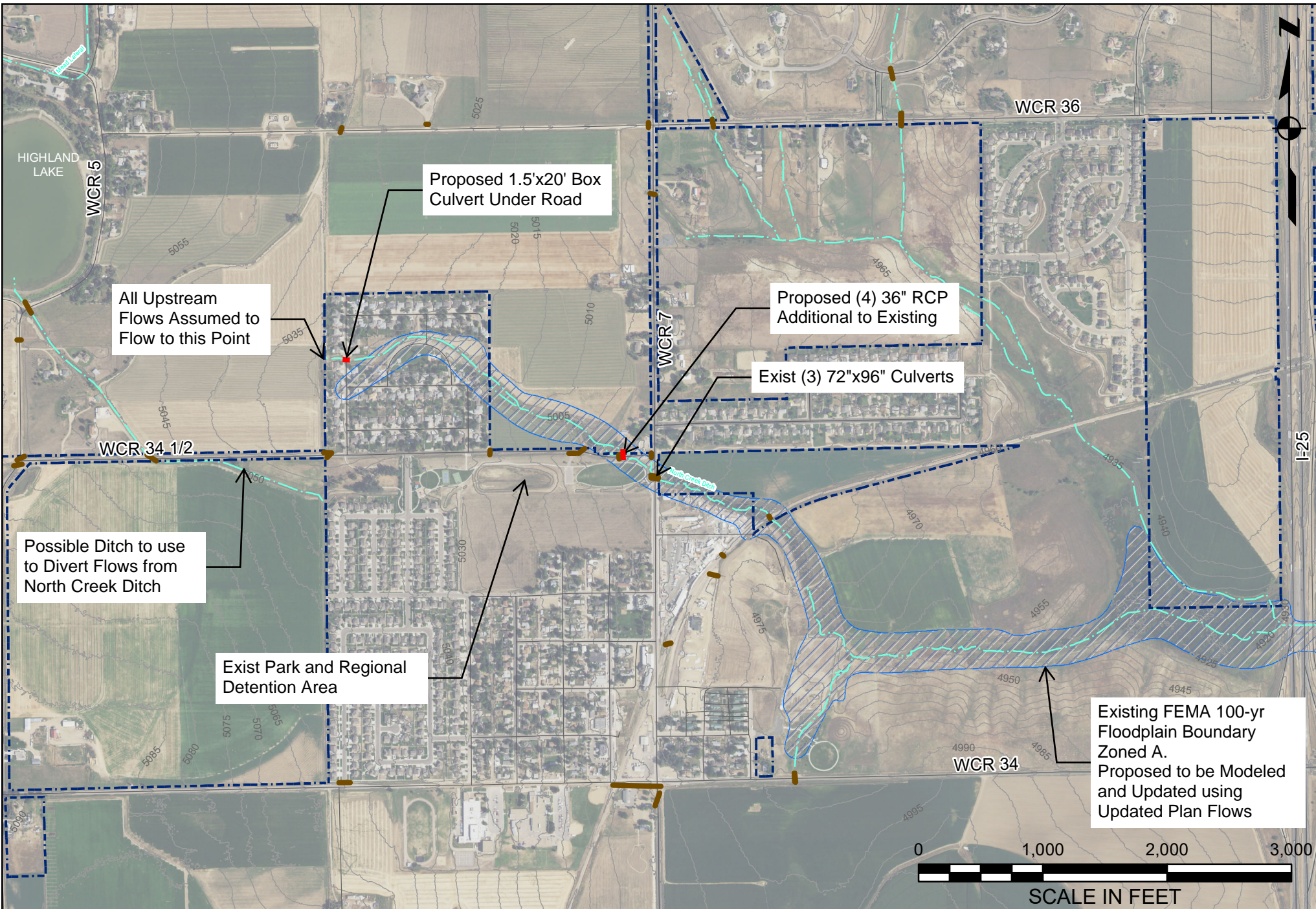


FIGURE 2 - PROJECT 2
TOWN OF MEAD STORMWATER CIP
JULY 2018



Flatirons, Inc.

Surveying, Engineering & Geomatics

www.FlatironsInc.com

WORK ORDER AND AUTHORIZATION

CLIENT:	J V A	FSI JOB NO.:	
CONTACT:	Brian Campbell, PE	PREV FSI JOB:	64873
ADDRESS:	213 Linden Street, Suite 200 Fort Collins, Colorado 80524	DATE:	01 August 2018
PHONE:	303-565-4883	CELL:	970-531-8592 *EMAIL: bcampbell@jvajva.com

RE: Town of Mead Topographic Storm/Drainage Exhibit roads and areas of concern in the Town of Mead

Qtr:	NW	Section:	26	Township:	3N	Range:	68W	County:	Weld
	SW		23		3N		68W		Weld

Thank you for the opportunity to provide the following work order. We will prepare a Design Topographic Exhibit with 1' contours of the Town of Mead Roadways and areas of concern as shown on attachment to email dated 7/27/18. We will establish a job site benchmark tied to NAVD 88 vertical datum, and data collect topographic site features, trees, surface evidence of utilities (including physical characteristics of inverts), curbs, access and design features. Also included:

- 20' outside of ROW to include entire roadside swale area
- Existing storm system within road to detention ponds
- Detention Ponds including outlet structure
- Addition 75' from ROW on all County Roads and other Major Roads

In addition to the visible location of the utilities, we will show the location of the utilities as they are noted on the maps from local municipalities and utility companies, and any utility flagging or paint markings existing at the time of fieldwork. Boundary determination is not a part of the above described scope of services, and it is understood that this is not a Land Survey Plat in accordance with CRS 38-51-102. Any items, tasks or revisions not outlined in the initial work order will be provided on a time basis at our standard rates. Please sign and return a copy of this work order and a current title commitment if available as authorization to proceed.

ESTIMATED COST:	\$33,500	Topographic Exhibit of roadways in Town of Mead
	\$ 7,500	Underground Utility Locator Service

This estimate is valid for 90 days from the date of this work order. Payment in full is due within 30 days of receipt of invoice. Interest may be assessed at the rate of 1.5% per month on past due invoices. Flatirons, Inc. retains all copyrights.

***All invoices will be sent via email unless otherwise requested, please confirm the email listed above is accurate**

I HEREBY APPROVE THIS AGREEMENT AND HAVE RECEIVED COPY OF THE SAME.

By: _____ Date: _____
 TW/fd

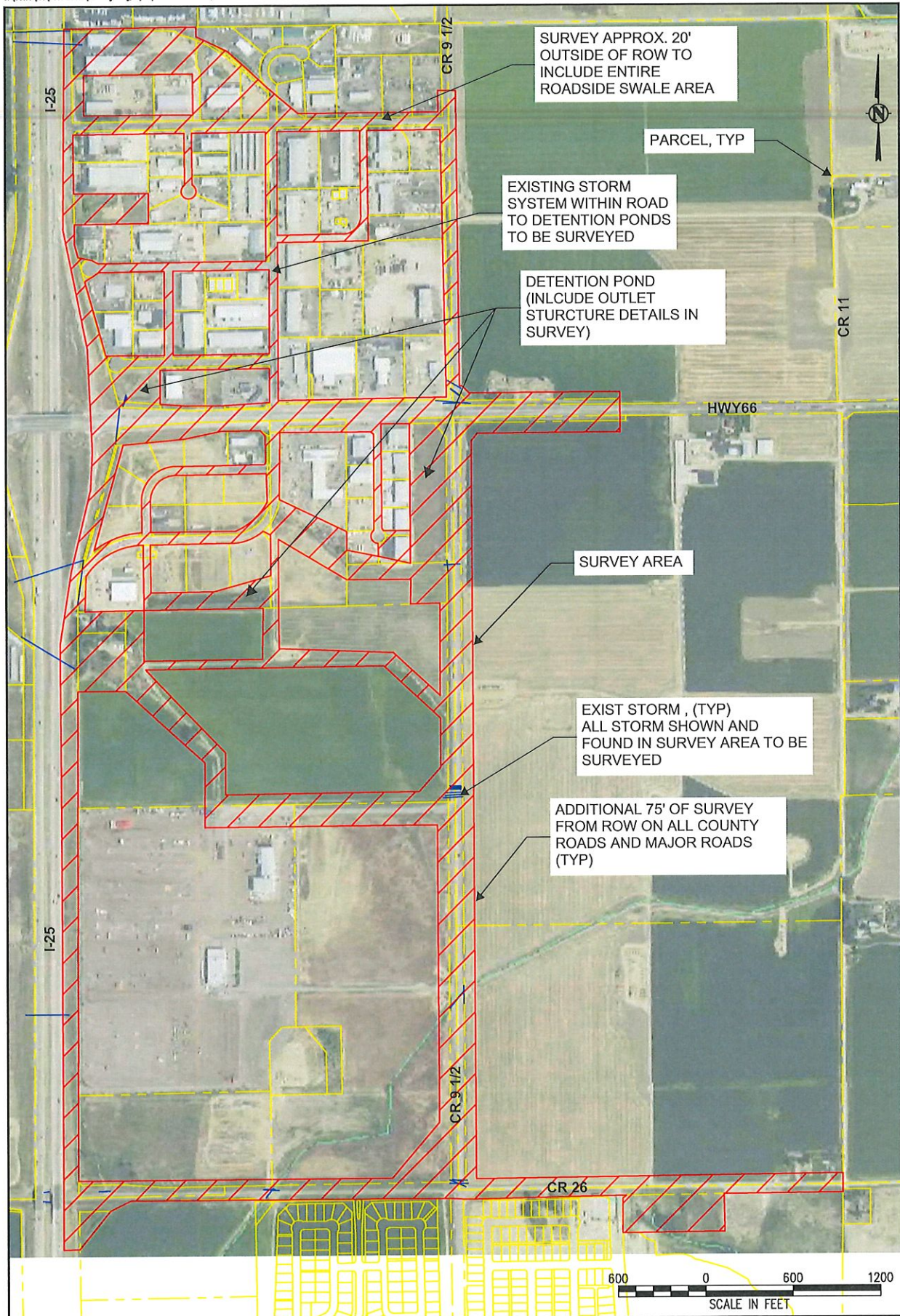


FIGURE 1 - PROJECT 1 SURVEY AREA
TOWN OF MEAD STORMWATER CIP
JULY 27, 2018



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