

Appendix C. Support Documents

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Appendix C1: General & Design Figures



PROJECT OVERVIEW



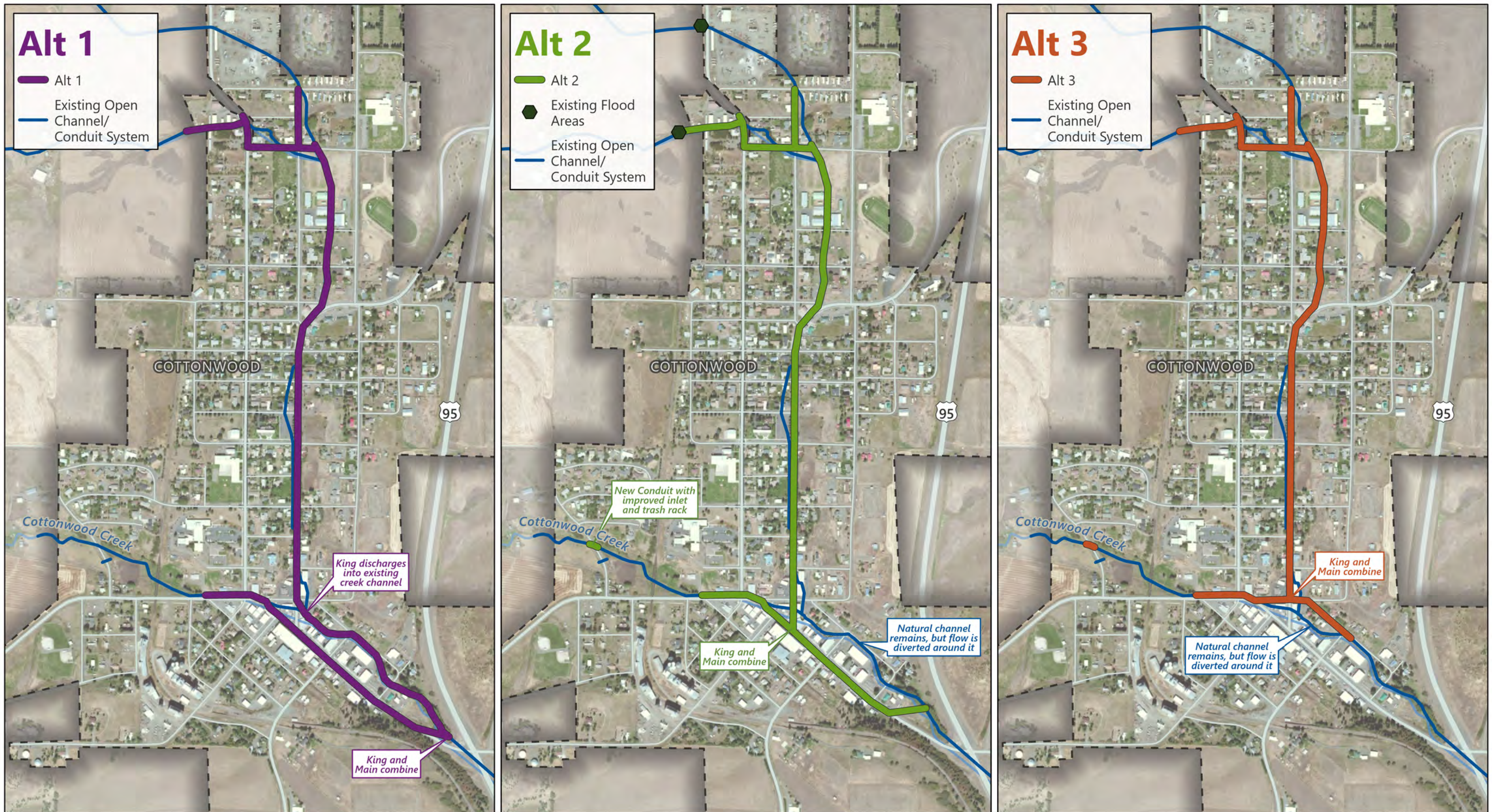
Figure C1-1



**EXISTING FEATURES -
FLOOD PROTECTION**



Figure C1-2



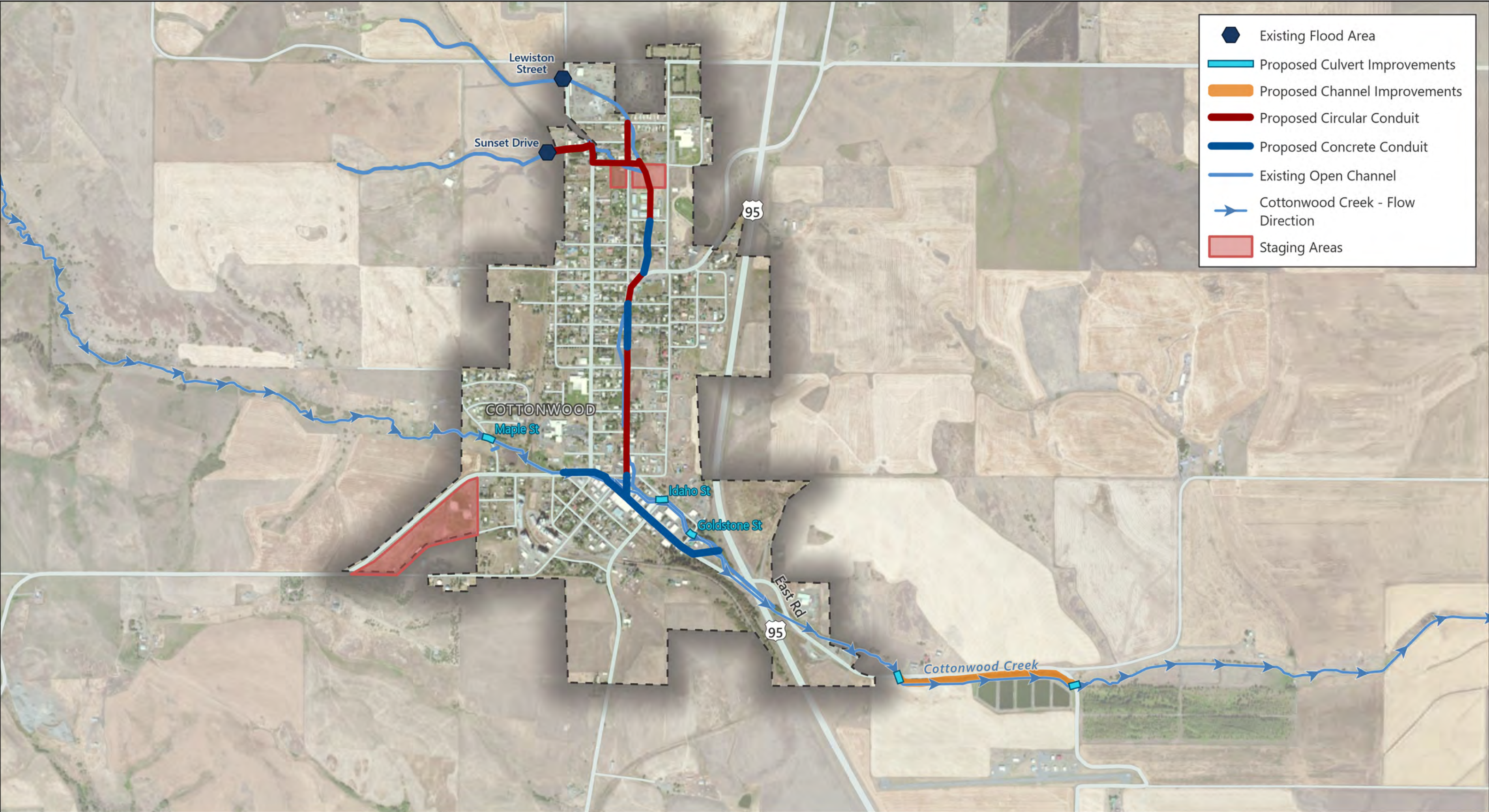
FLOOD PROTECTION ALTERNATIVES

Cottonwood Creek Watershed Plan-EA

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Feet



Figure C1-3



PREFERRED ALTERNATIVE



Appendix C2: CAD Sheets

COTTONWOOD CREEK WATERSHED PLAN-EA CITY OF COTTONWOOD, IDAHO

March 2024

CONCEPTUAL DESIGN

CITY OF COTTONWOOD

ADDRESS: 506 KING ST.
COTTONWOOD, ID 83522
PHONE: 208-962-3231

PROJECT NO. 23-20-023



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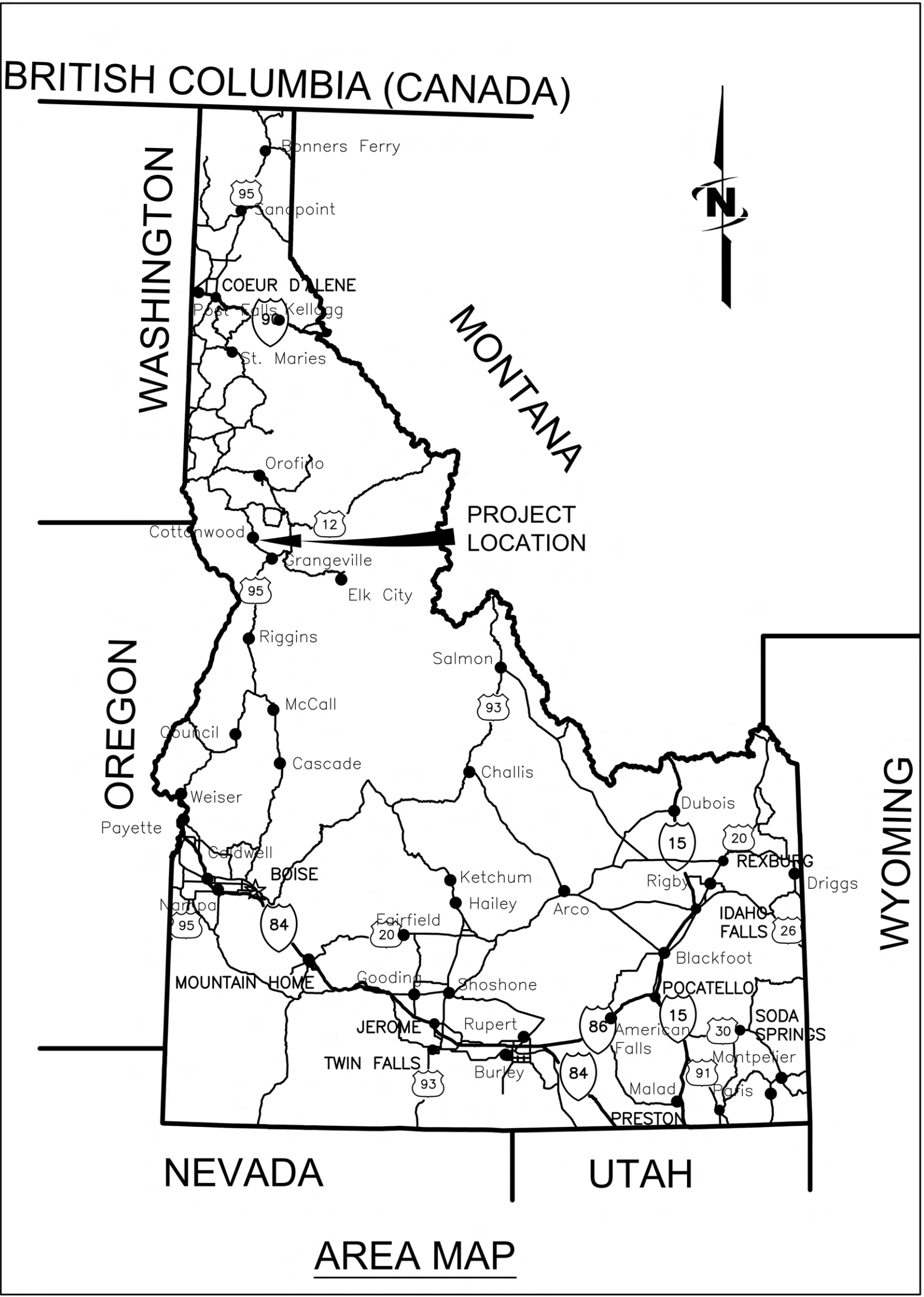
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GENERAL

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G-101	VICINITY MAP

CIVIL

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CU-204	FLOODWATER SYSTEM PLAN & PROFILE
CU-205	FLOODWATER SYSTEM PLAN & PROFILE
CU-206	FLOODWATER SYSTEM PLAN & PROFILE
CU-207	FLOODWATER SYSTEM PLAN & PROFILE
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CU-210	FLOODWATER SYSTEM PLAN & PROFILE
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CU-216	FLOODWATER SYSTEM PLAN & PROFILE
CU-217	FLOODWATER SYSTEM PLAN & PROFILE
CU-218	FLOODWATER SYSTEM PLAN & PROFILE
CU-219	FLOODWATER SYSTEM PLAN & PROFILE
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AREA MAP

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CITY OF COTTONWOOD, IDAHO

VICINITY MAP

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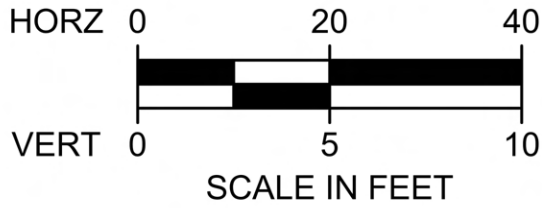
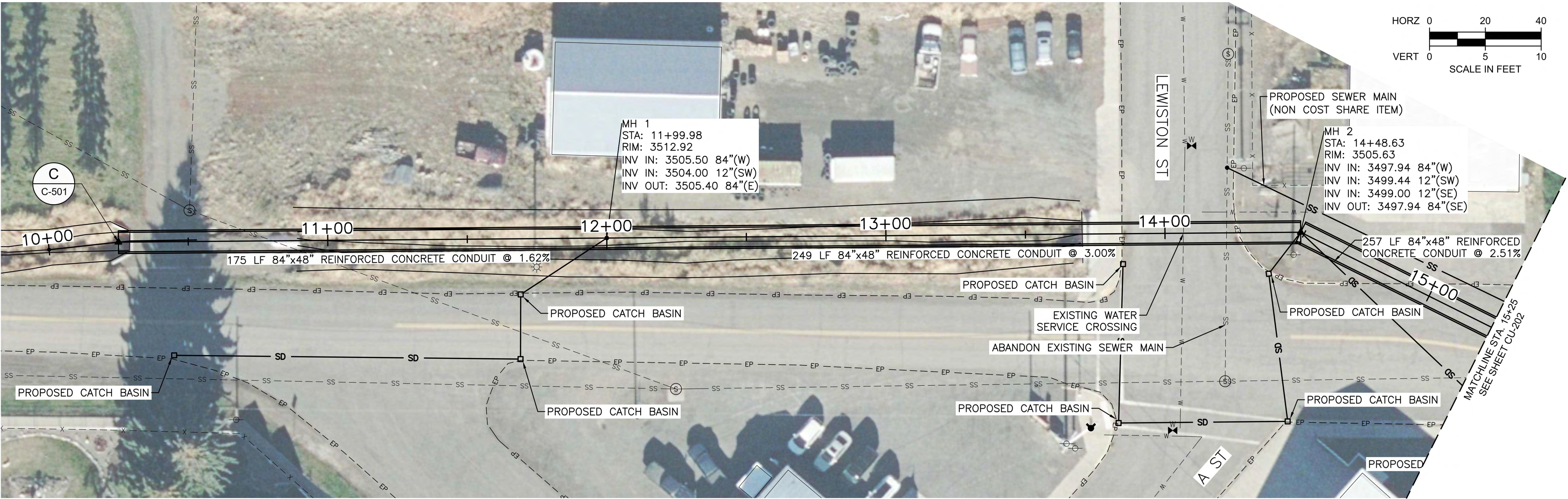
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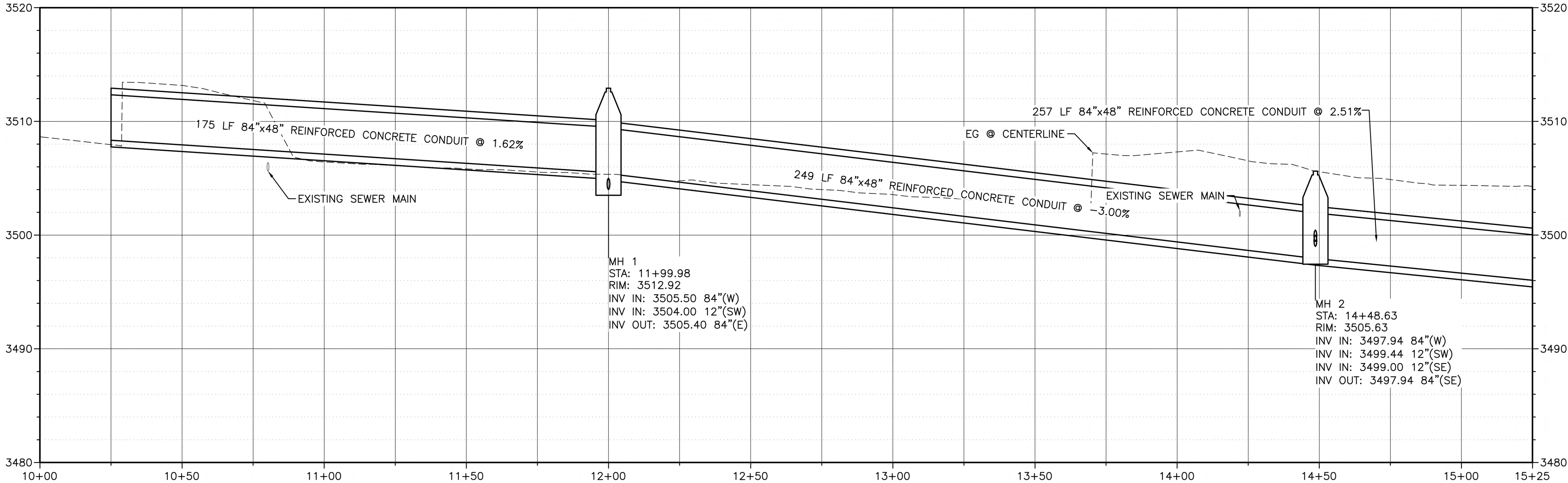
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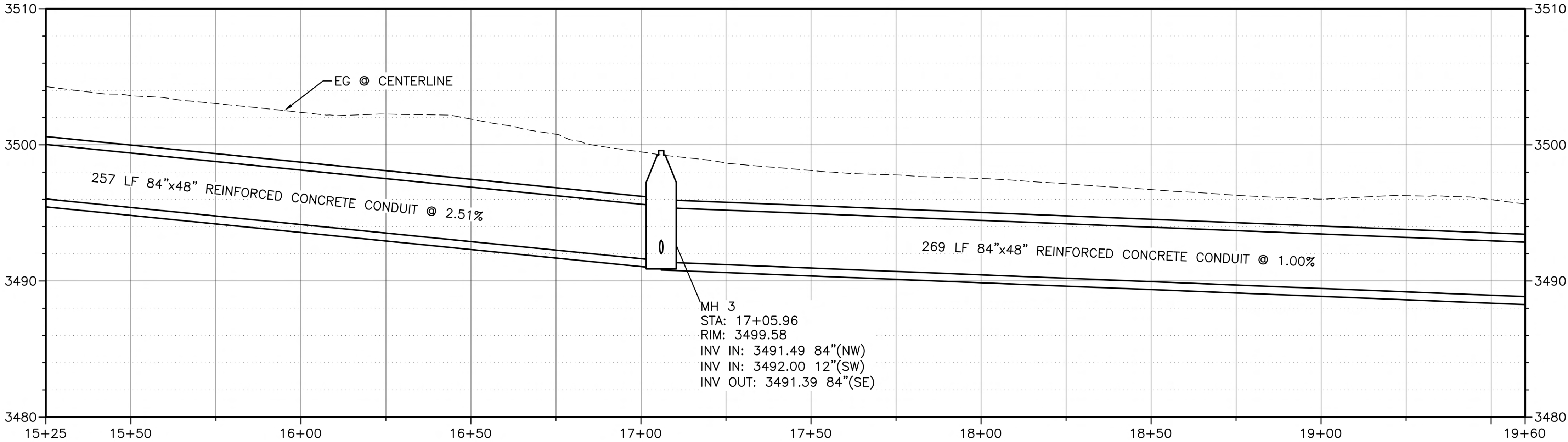
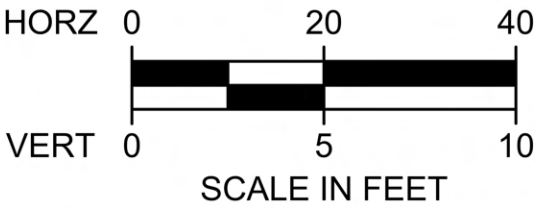
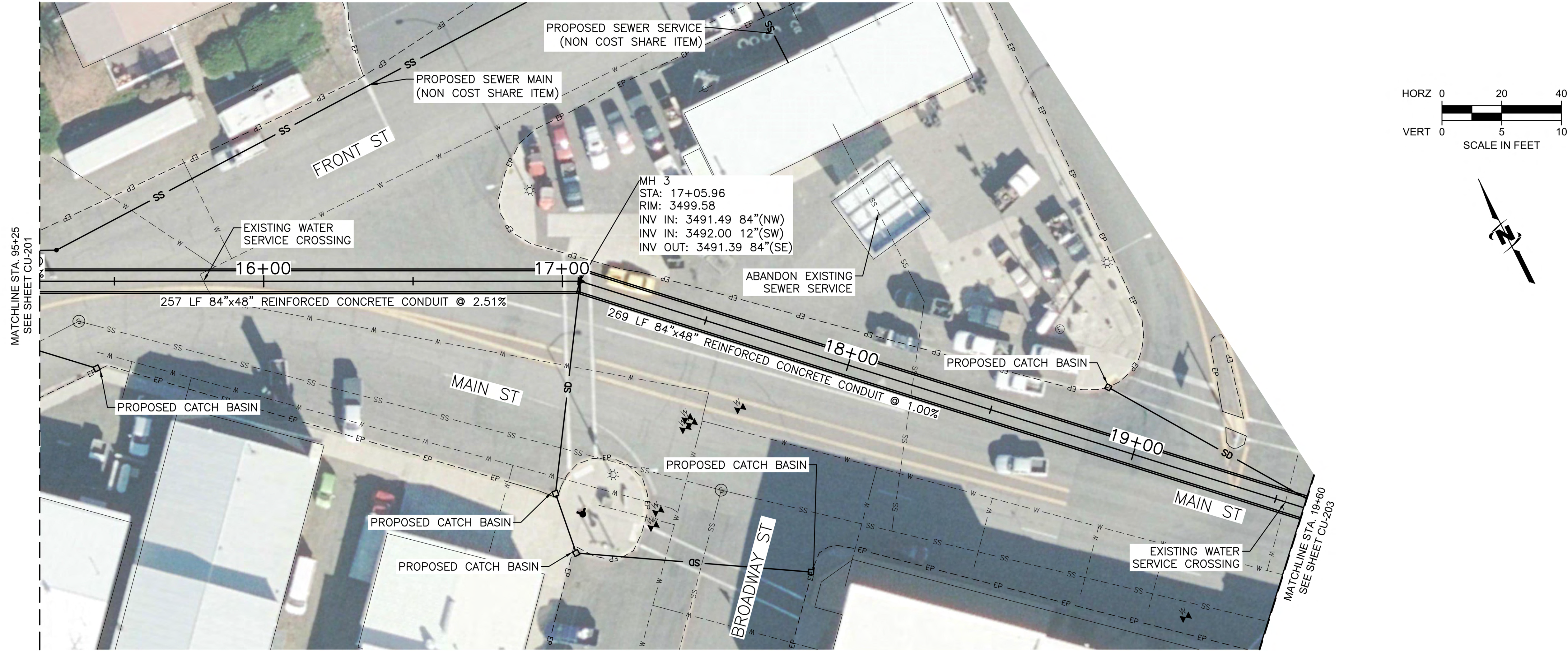
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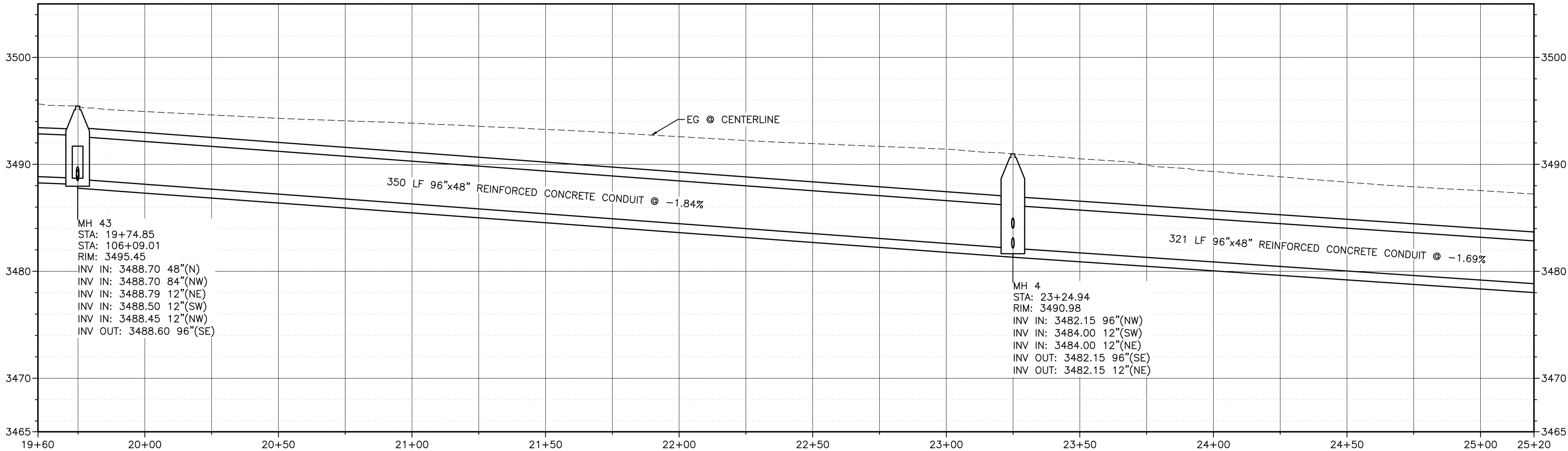
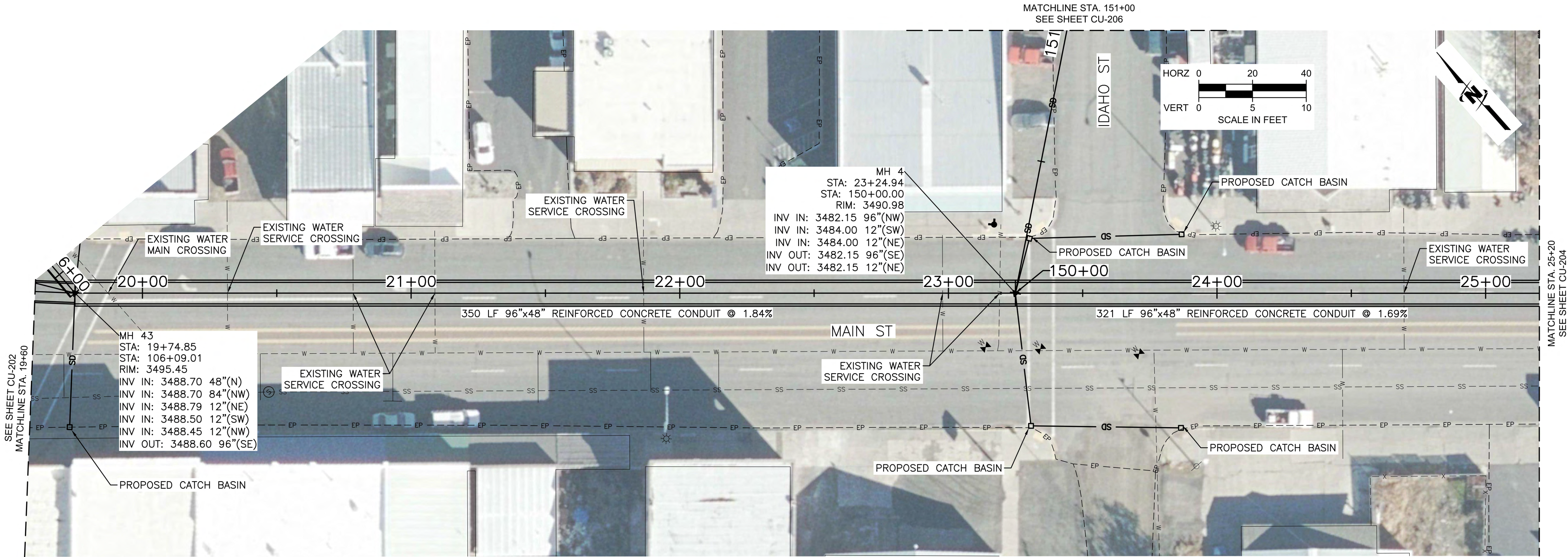
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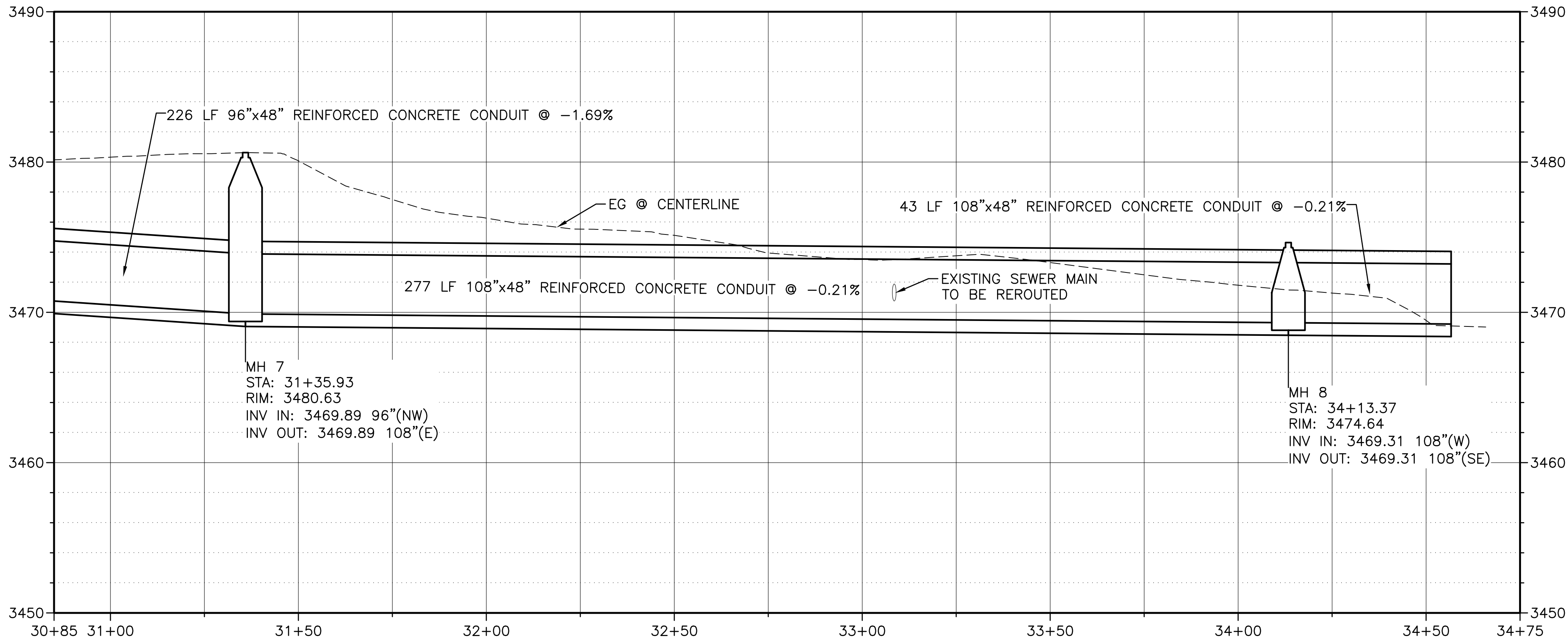
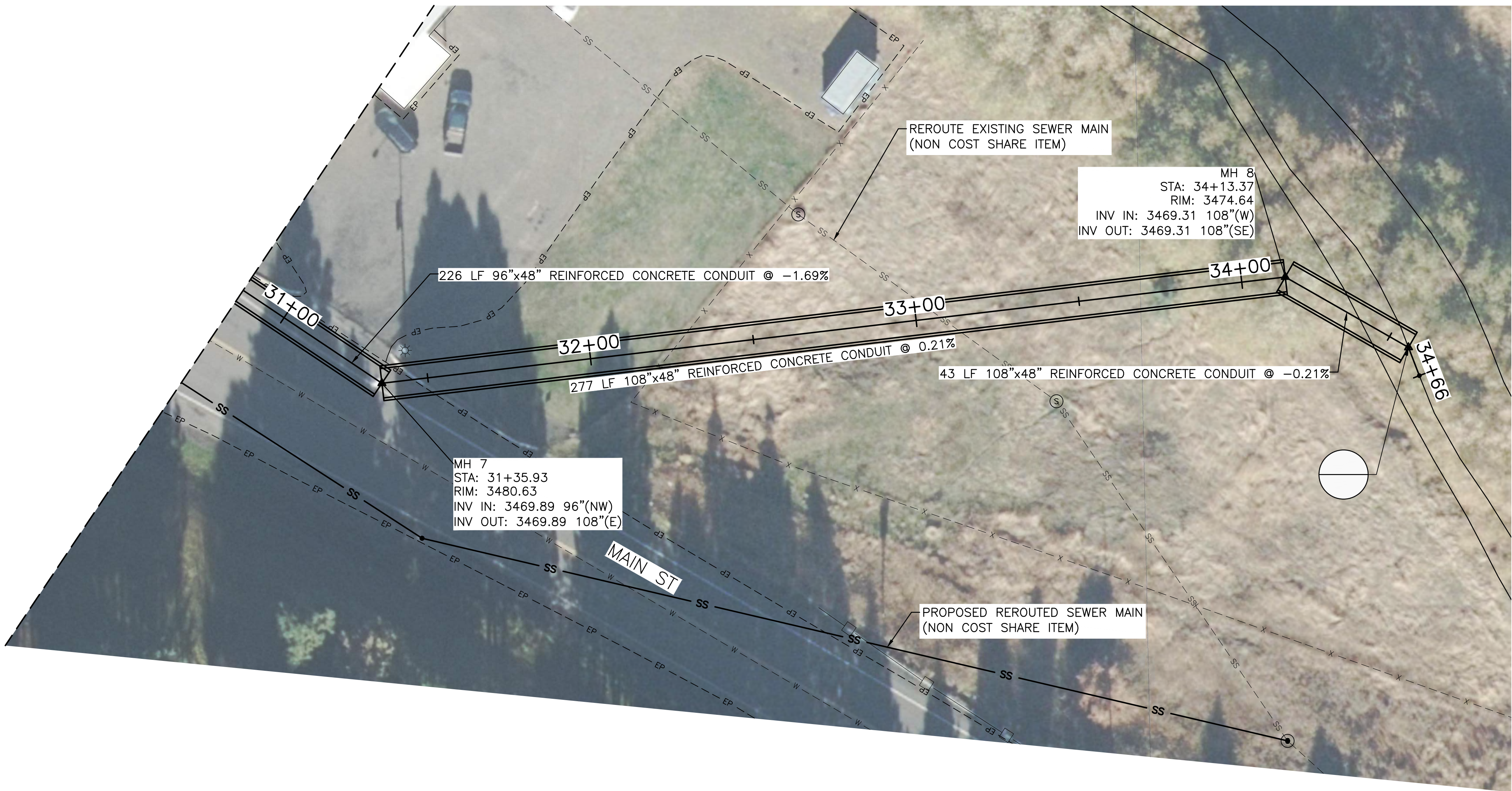
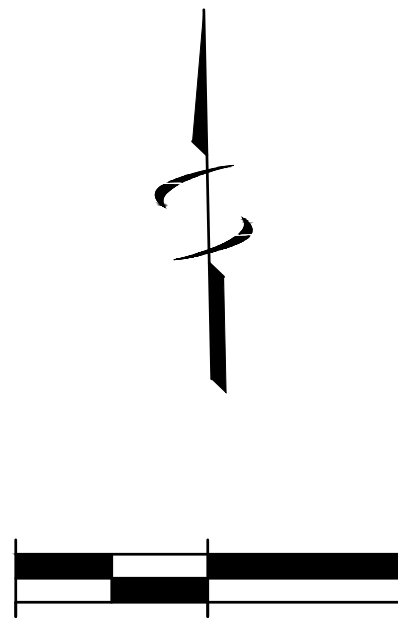
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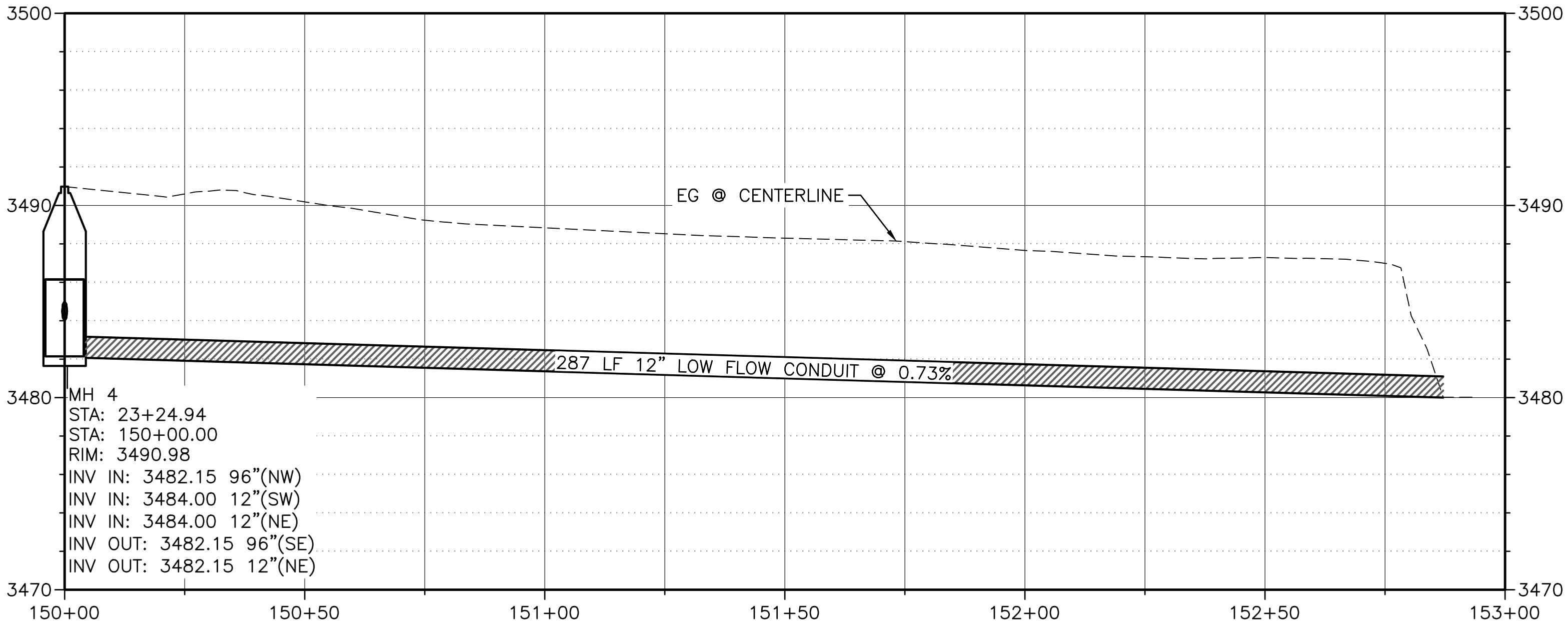
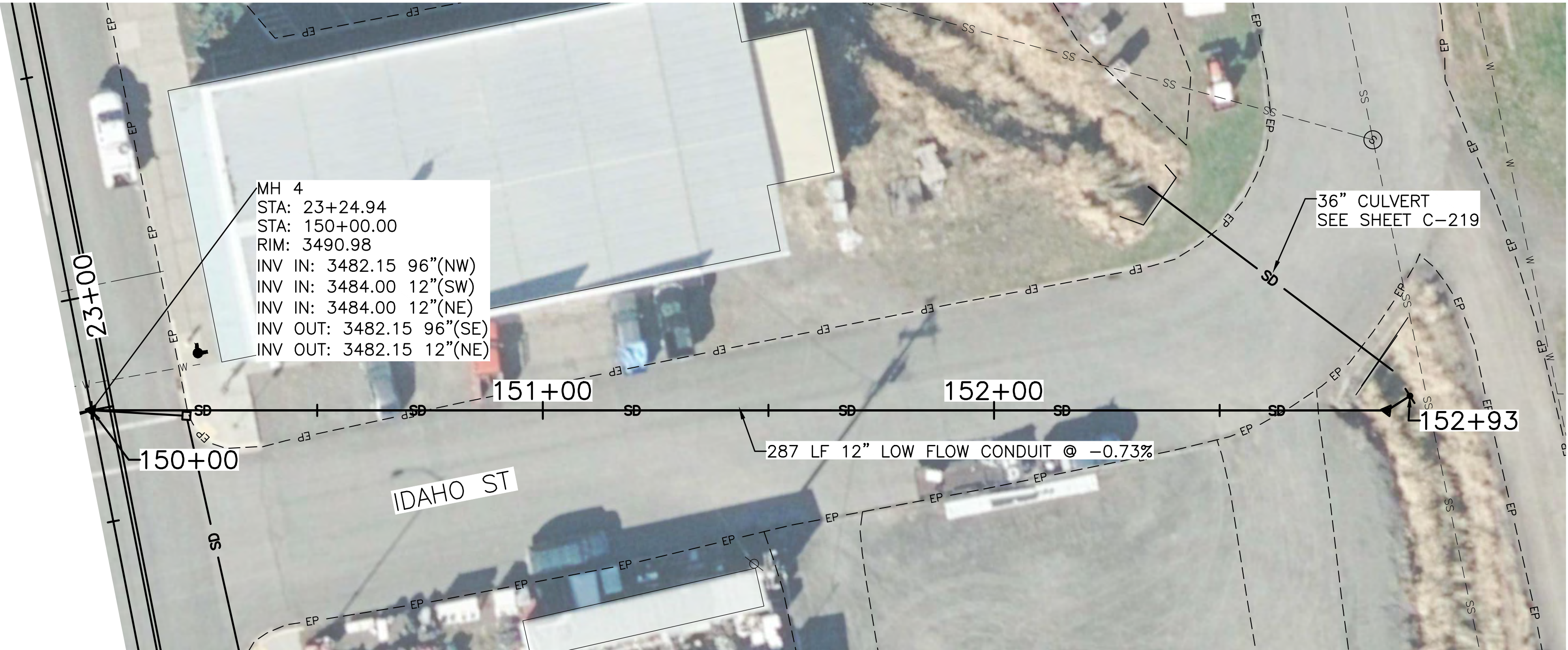
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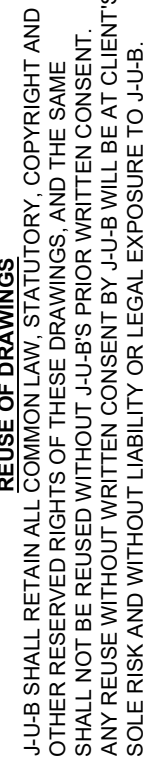
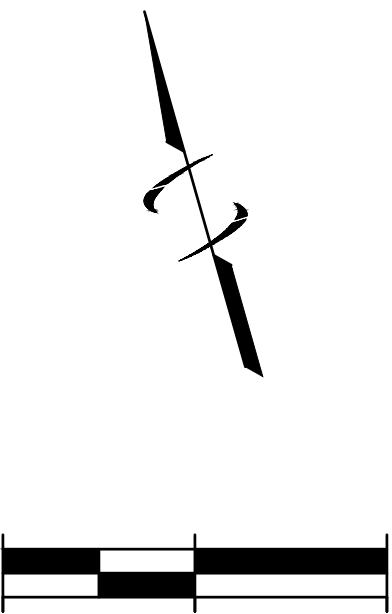
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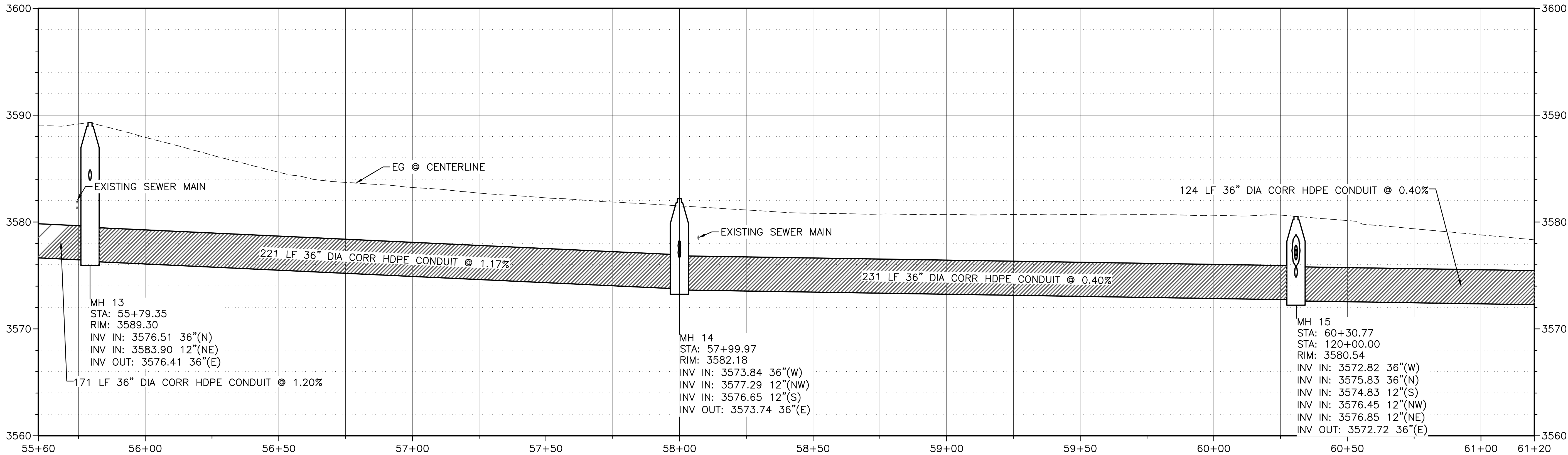
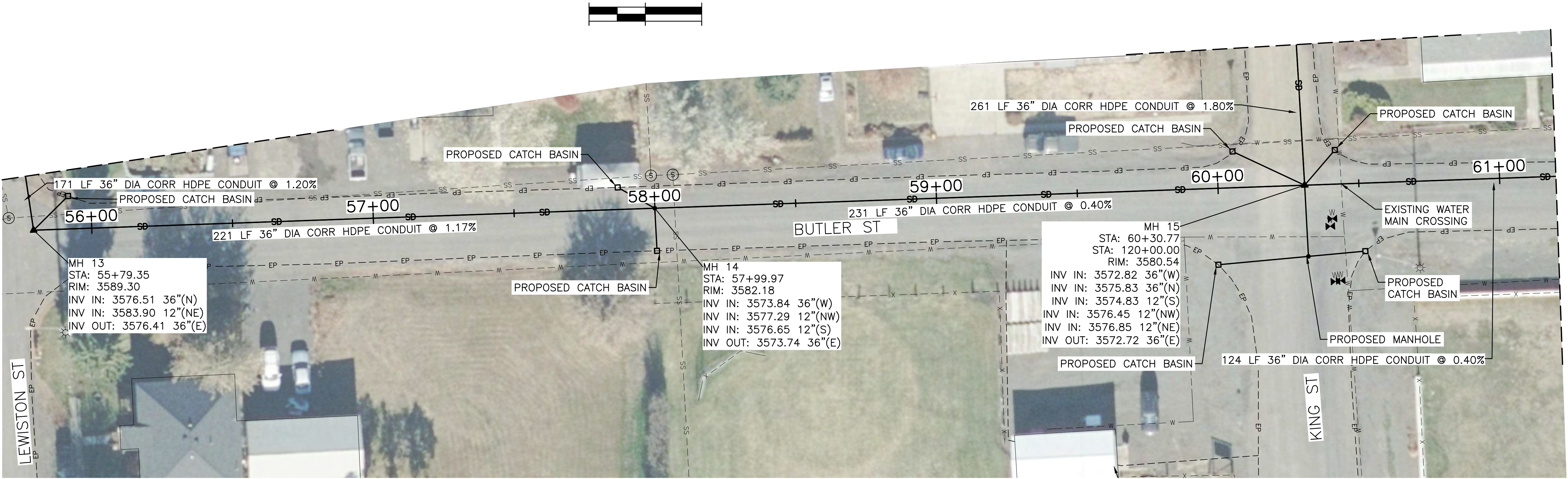
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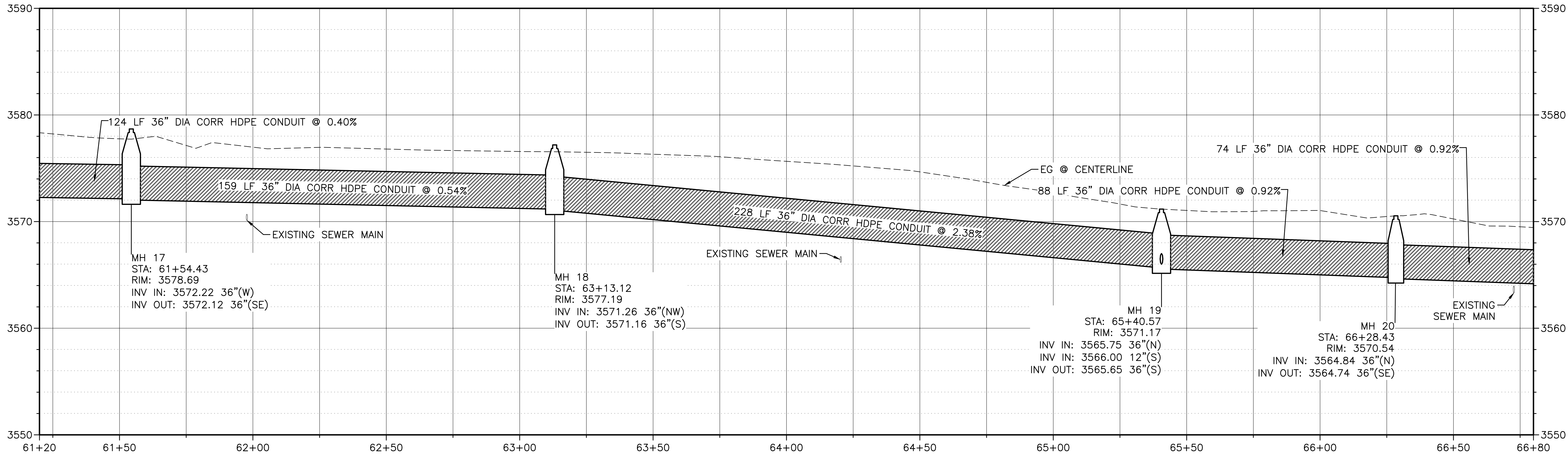
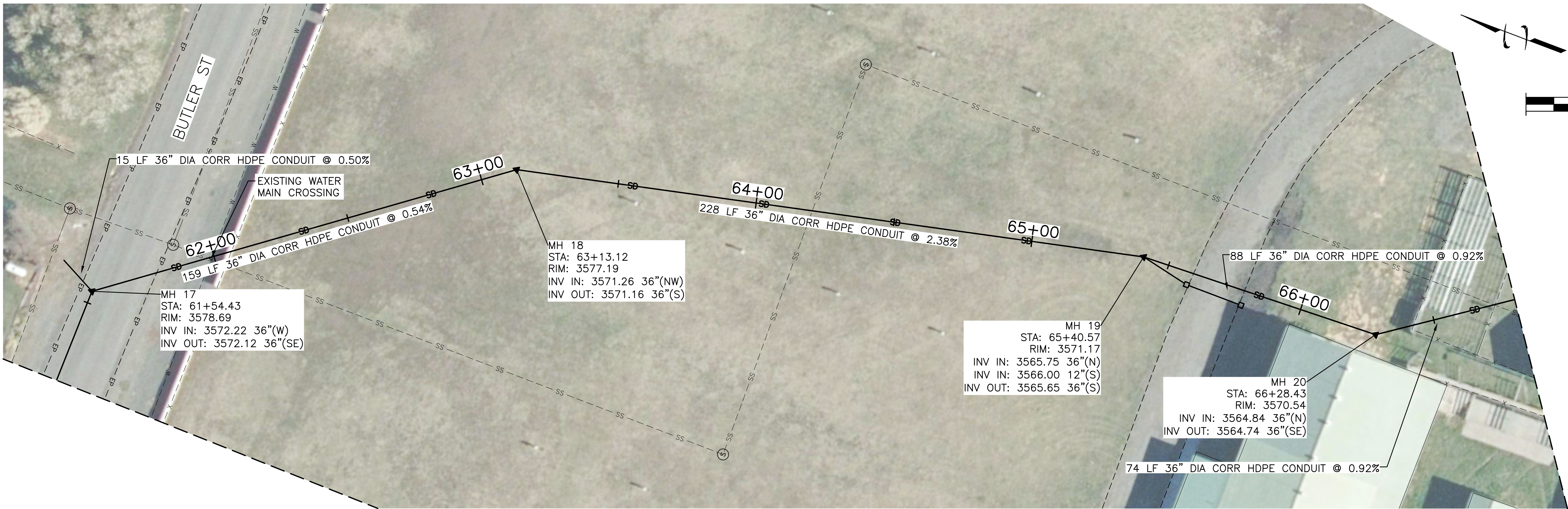
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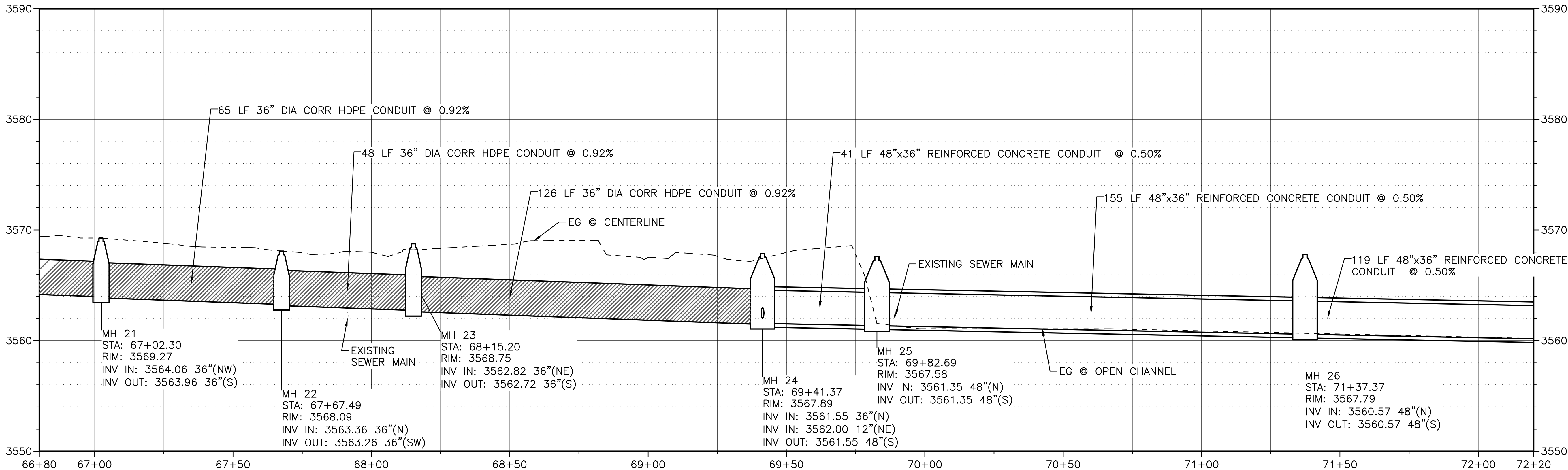
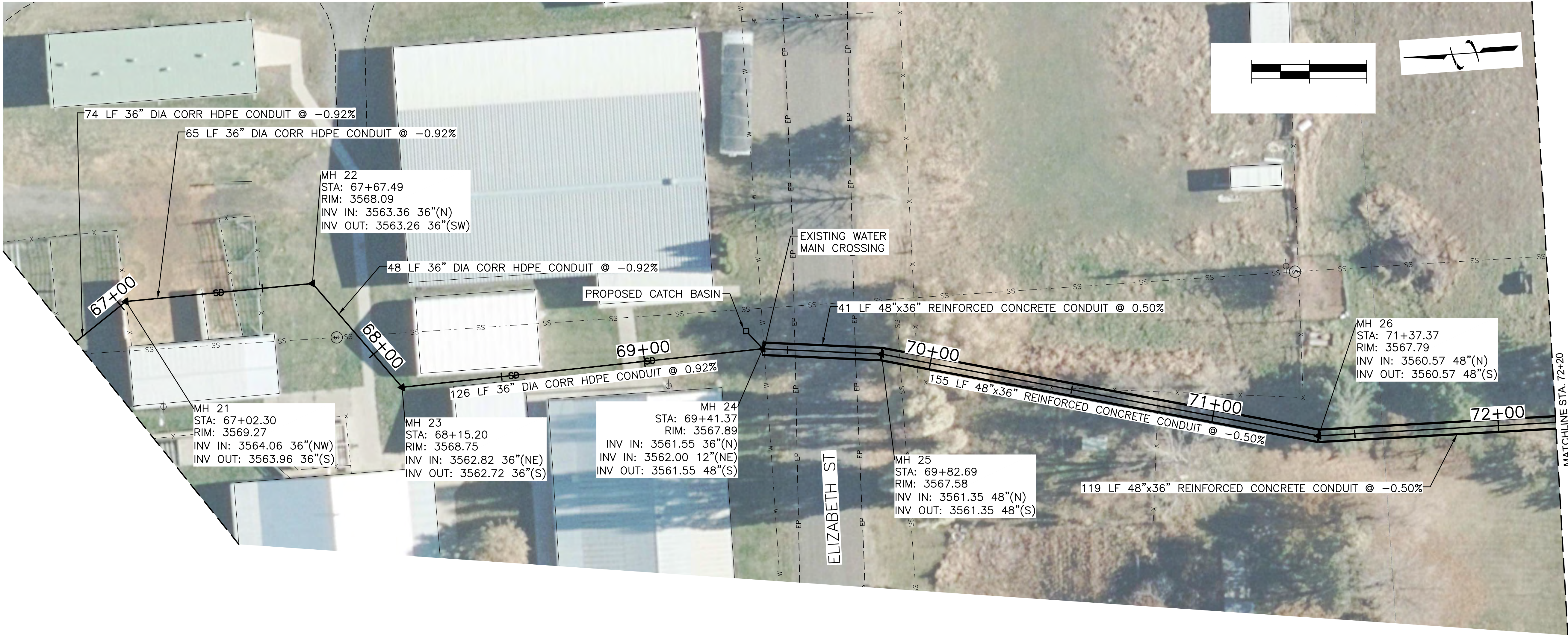
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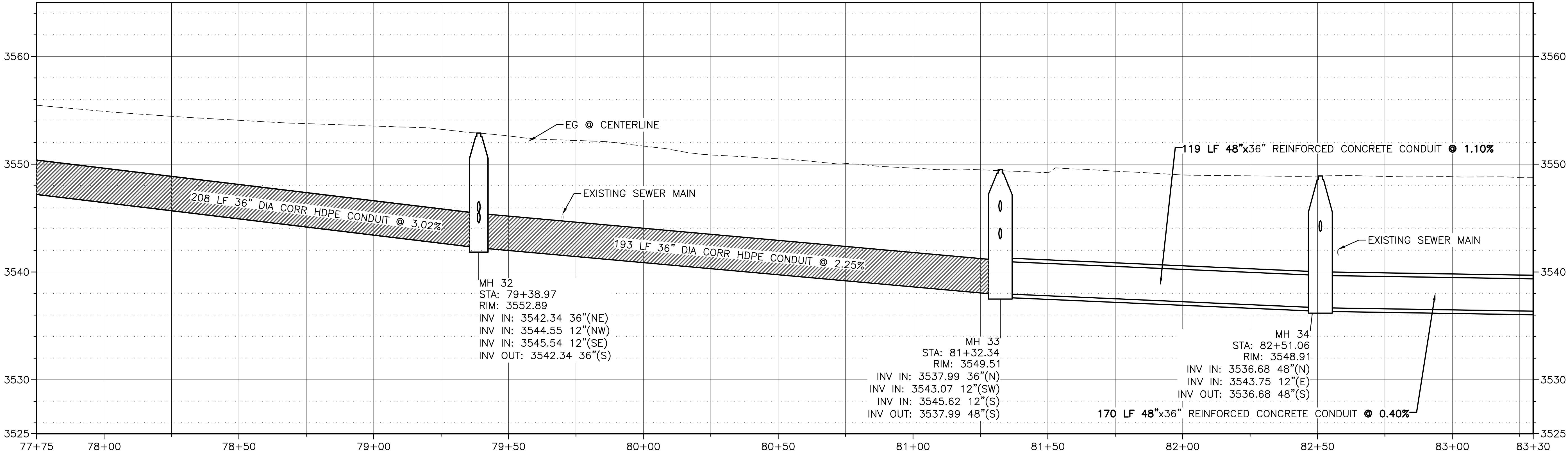
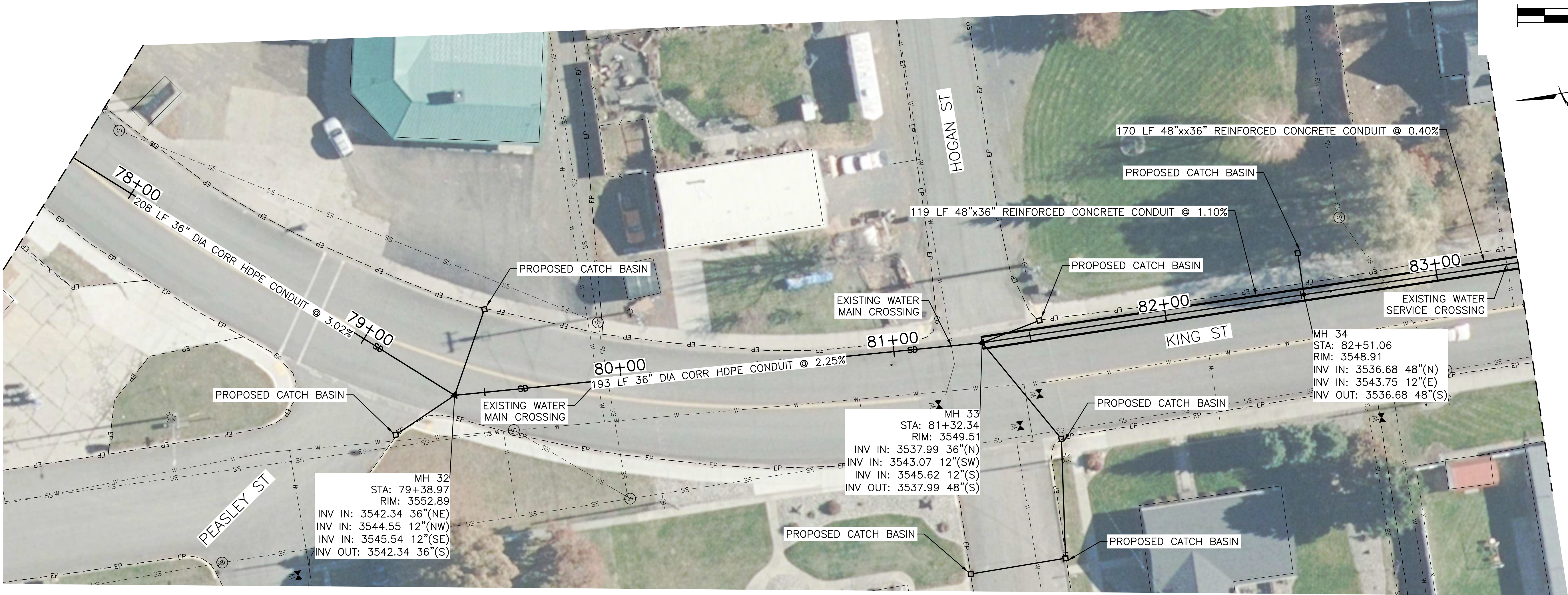
COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

FLOODWATER SYSTEM PLAN & PROFILE

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DRAWN BY: WDR
DESIGN BY: WDR
CHECKED BY: JRW
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INCH, SCALE ACCORDINGLY
LAST UPDATED: 3/4/2024

SHEET NUMBER:

CU-210



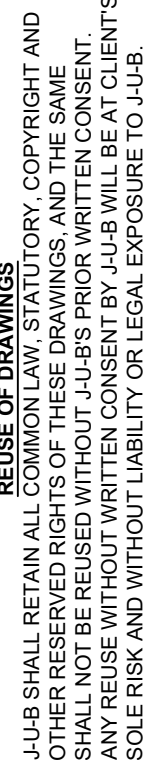
REVISION			
NO.	DESCRIPTION	BY	

COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

FLOODWATER SYSTEM PLAN & PROFILE

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JUB PROJ. #: 23-20-023
DRAWN BY: WDR
DESIGN BY: WDR
CHECKED BY: JRW
AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 2/28/2024

SHEET NUMBER:
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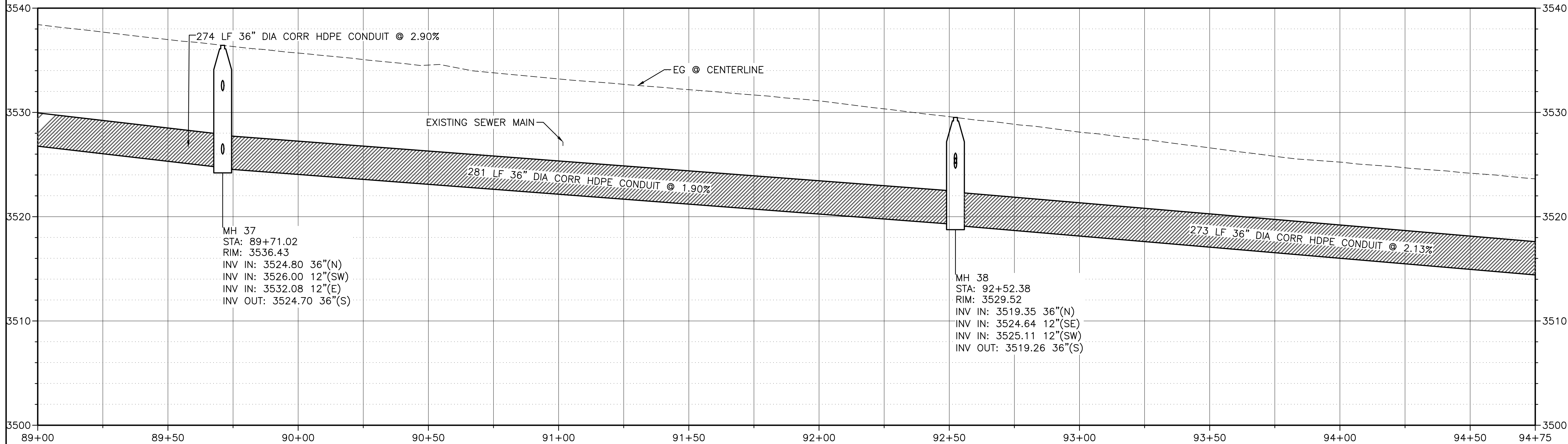
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SUB PROJ. # : 23-20-023
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DESIGN BY: WDR
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ONE INCH

AT FULL SIZE, IF NOT ONE INCH. SCALE ACCORDINGLY

SHEET NUMBER:

CU-213



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REVISION		DESCRIPTION	BY
NO.			

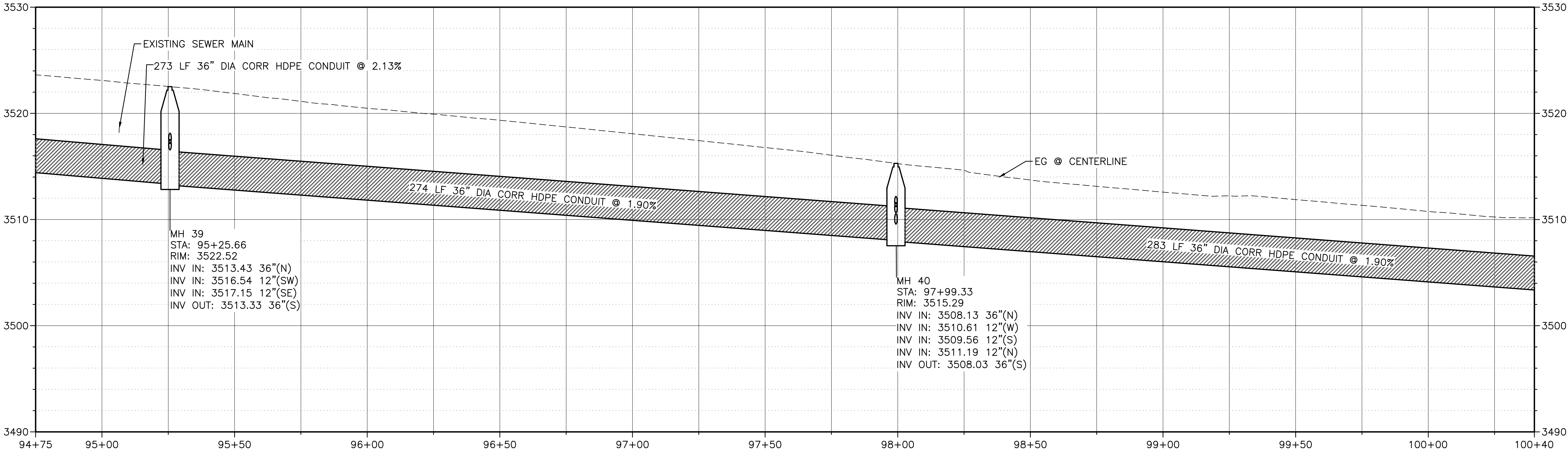
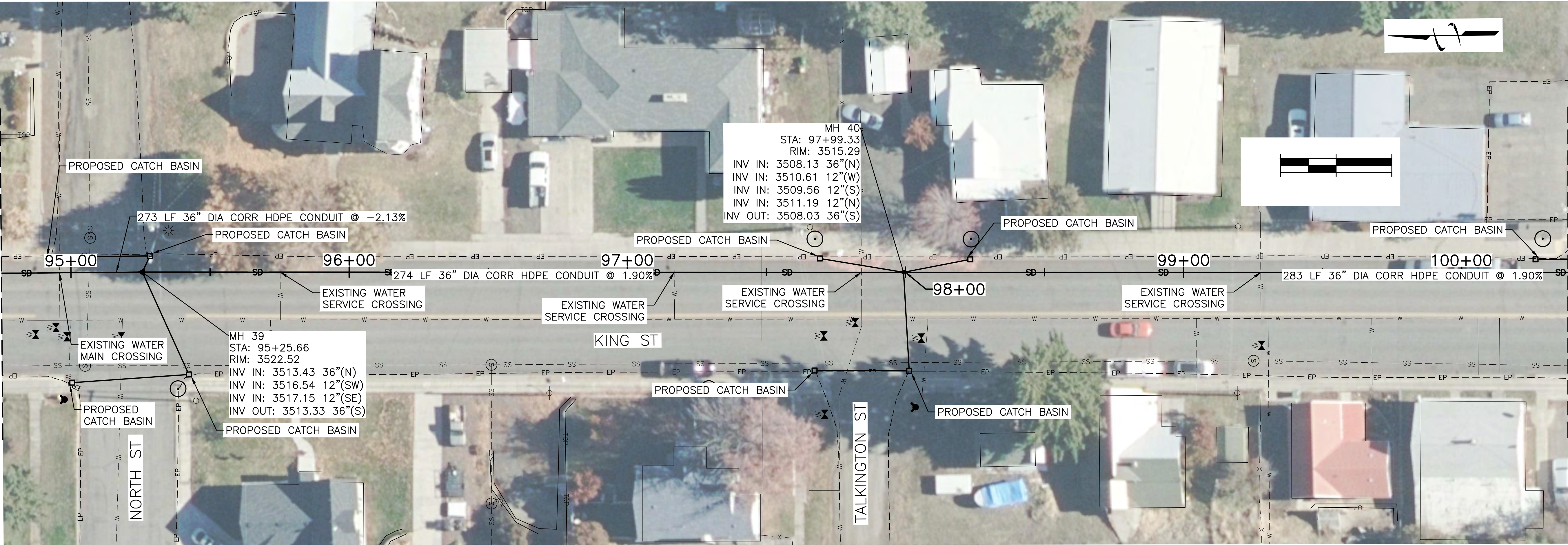
COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

FLOODWATER SYSTEM PLAN & PROFILE

FILE: 23-20-023-CU-20X
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DRAWN BY: WDR
DESIGN BY: WDR
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INCH, SCALE ACCORDINGLY
LAST UPDATED: 2/28/2024

SHEET NUMBER:

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REVISION		DESCRIPTION	BY
NO.			

COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

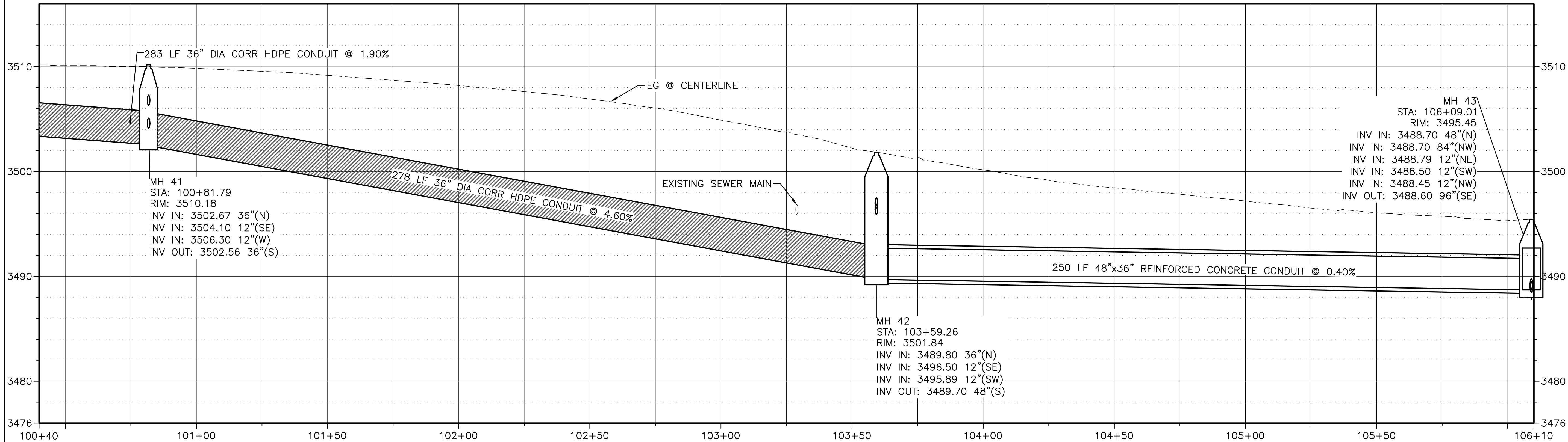
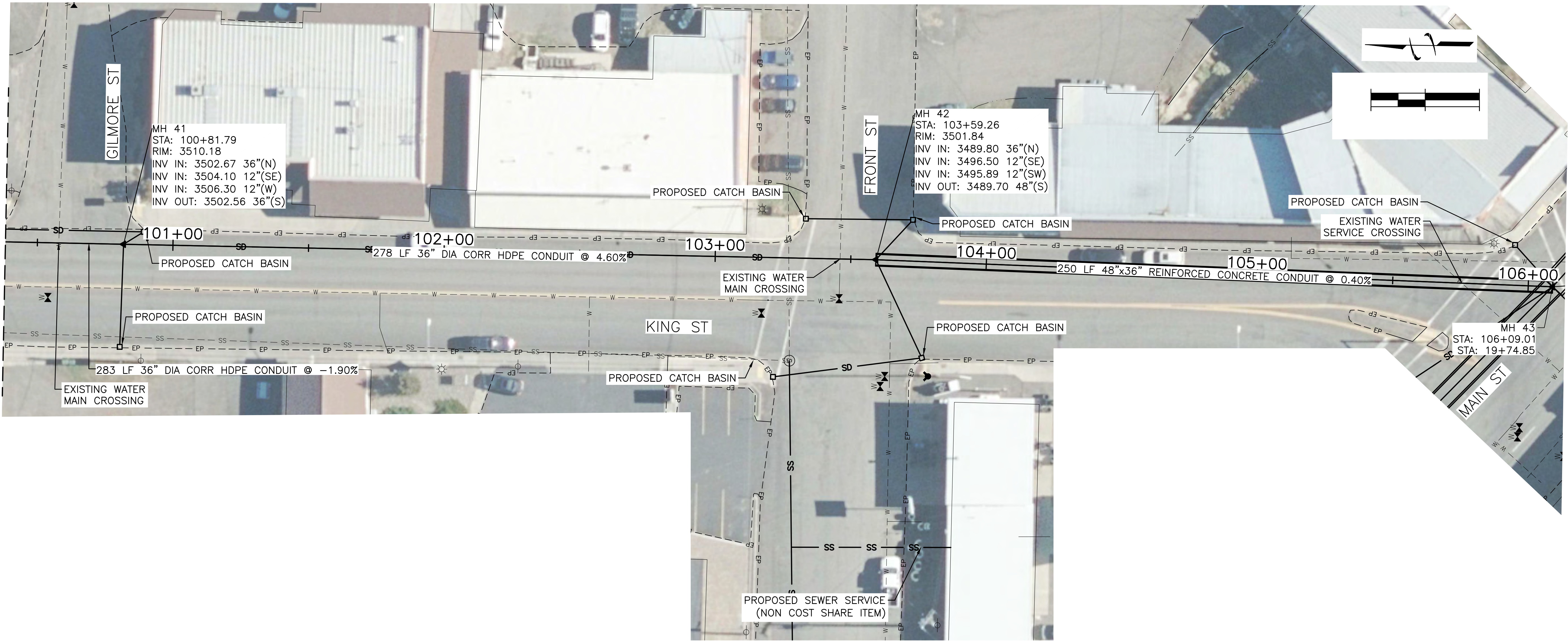
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DESIGN BY: WDR
CHECKED BY: JRW

AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 2/28/2024

SHEET NUMBER:

CU-215



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REVISION		DESCRIPTION	BY
NO.			

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CITY OF COTTONWOOD, IDAHO

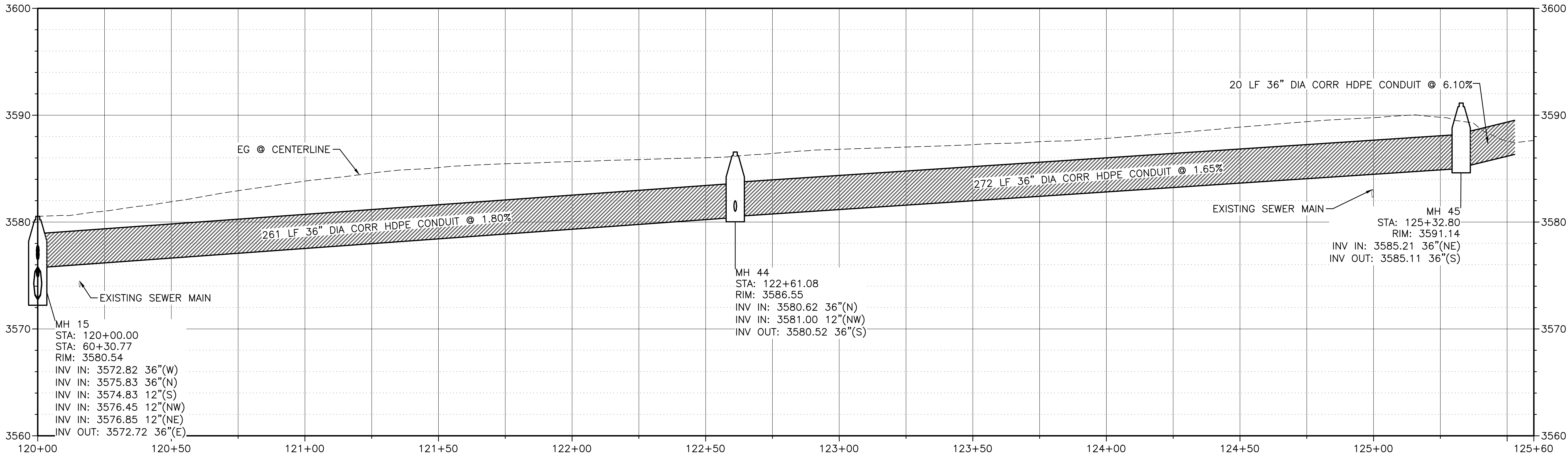
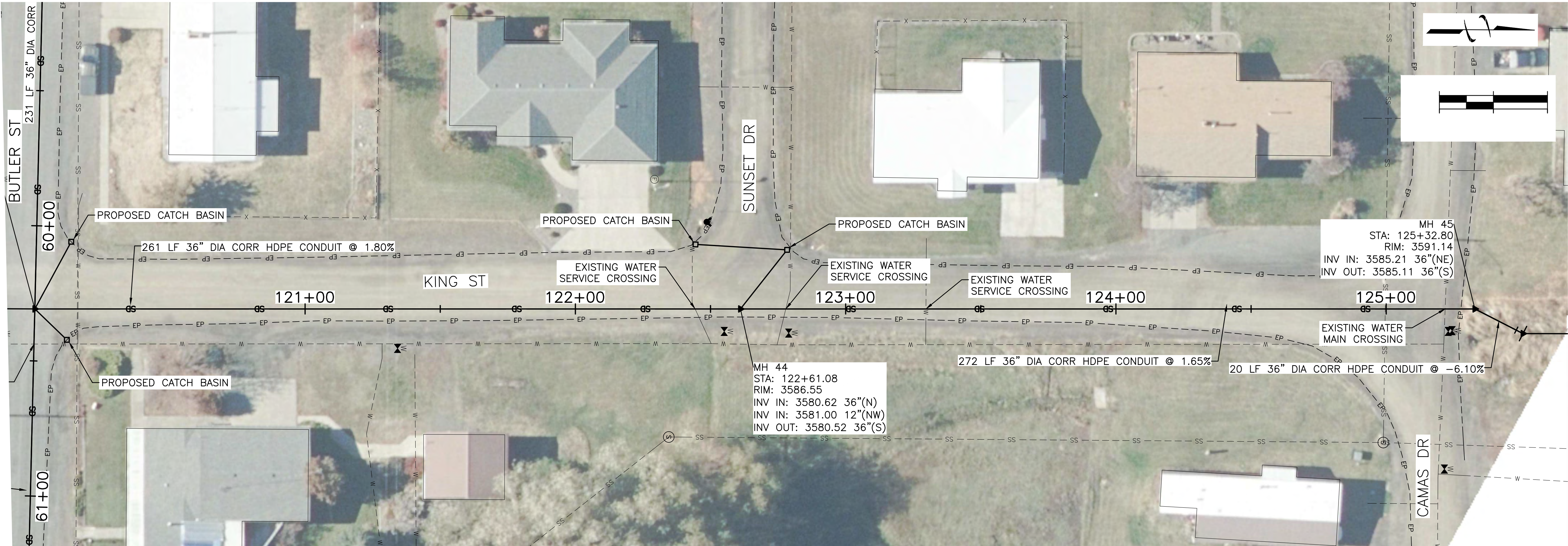
FLOODWATER SYSTEM PLAN & PROFILE

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CHECKED BY: JRW

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REVISION		DESCRIPTION	BY
NO.			

COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

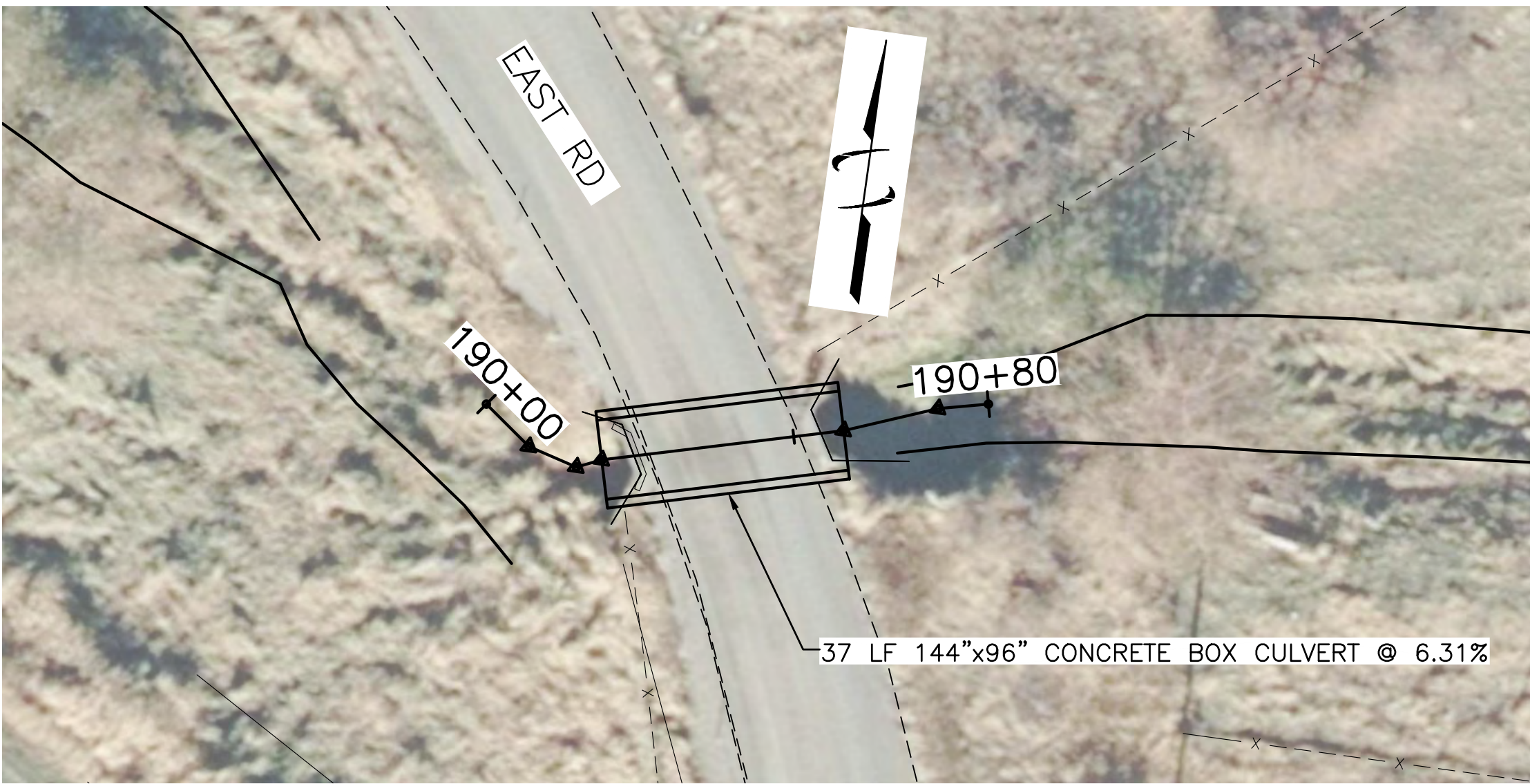
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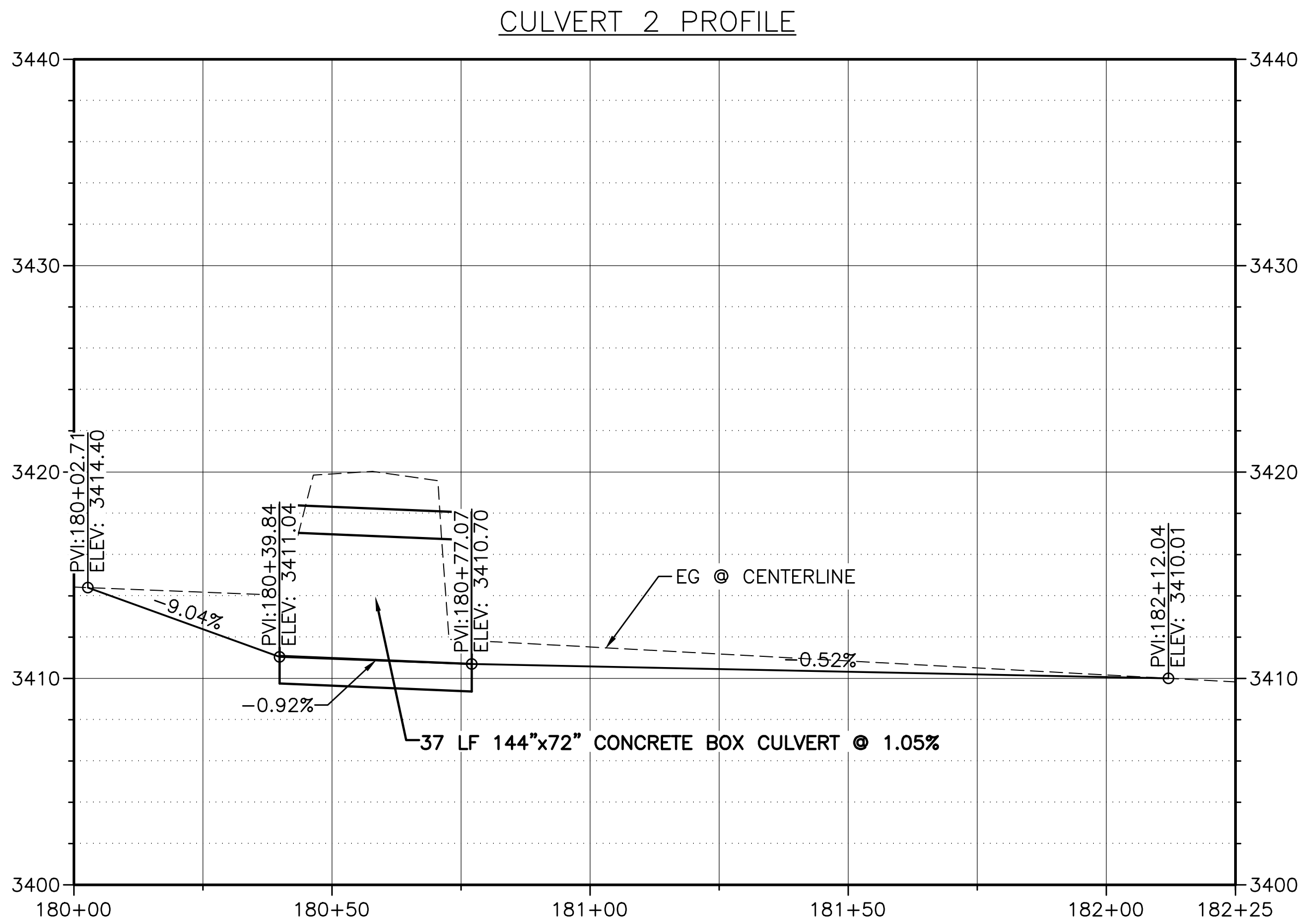
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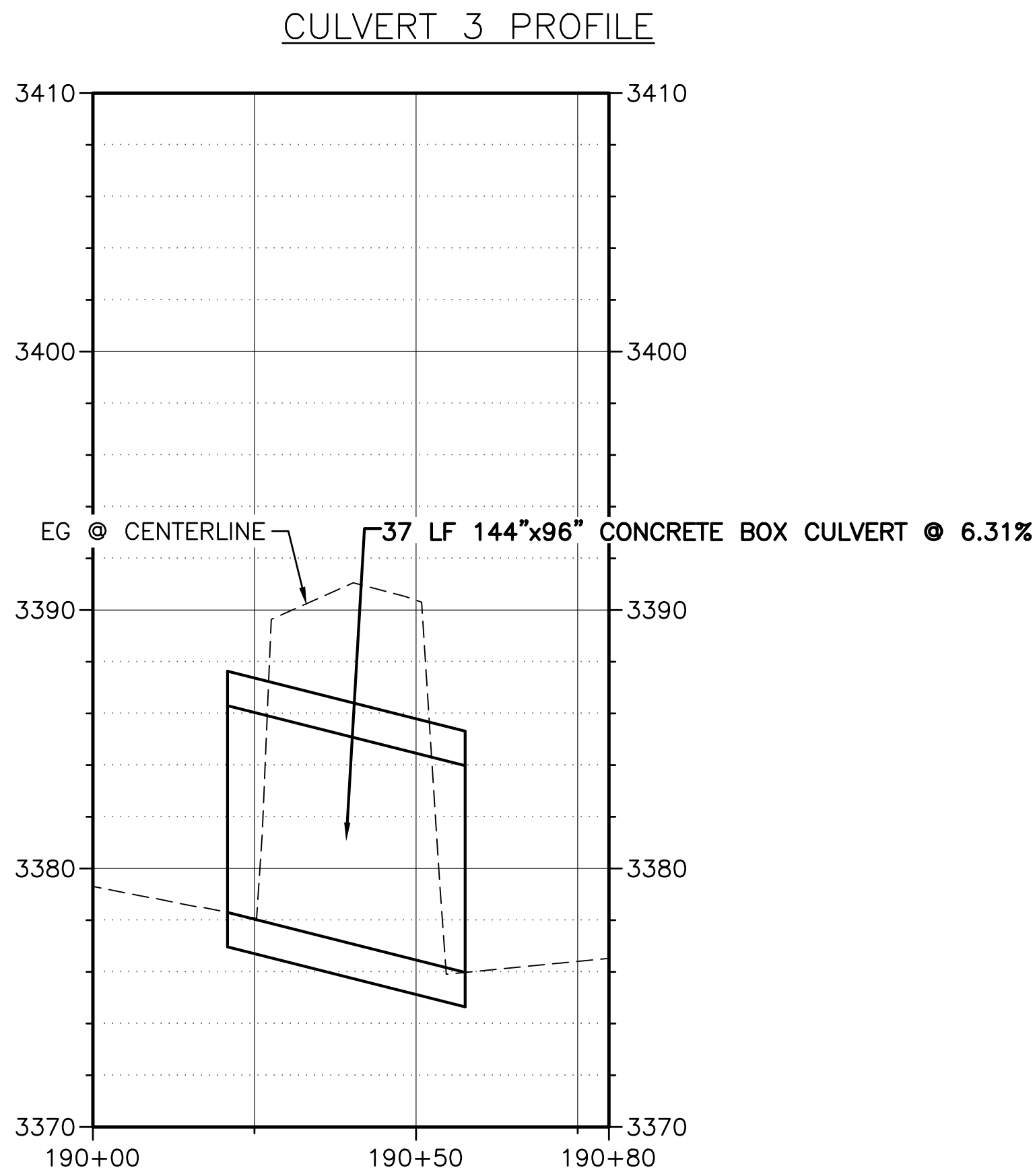
CULVERT 2 PLAN
(NON COST SHARE ITEM)



CULVERT 3 PLAN
(NON COST SHARE ITEM)



CULVERT 2 PROFILE



CULVERT 3 PROFILE

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REVISION		DESCRIPTION	BY
NO.	DATE		

COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

FLOODWATER SYSTEM PLAN & PROFILE

FILE: 23-20-023-CU-20X
JUB PROJ. #: 23-20-023
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AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGLY
LAST UPDATED: 2/28/2024
SHEET NUMBER:



MAPLE STREET CULVERT PLAN
(NON COST SHARE ITEM)



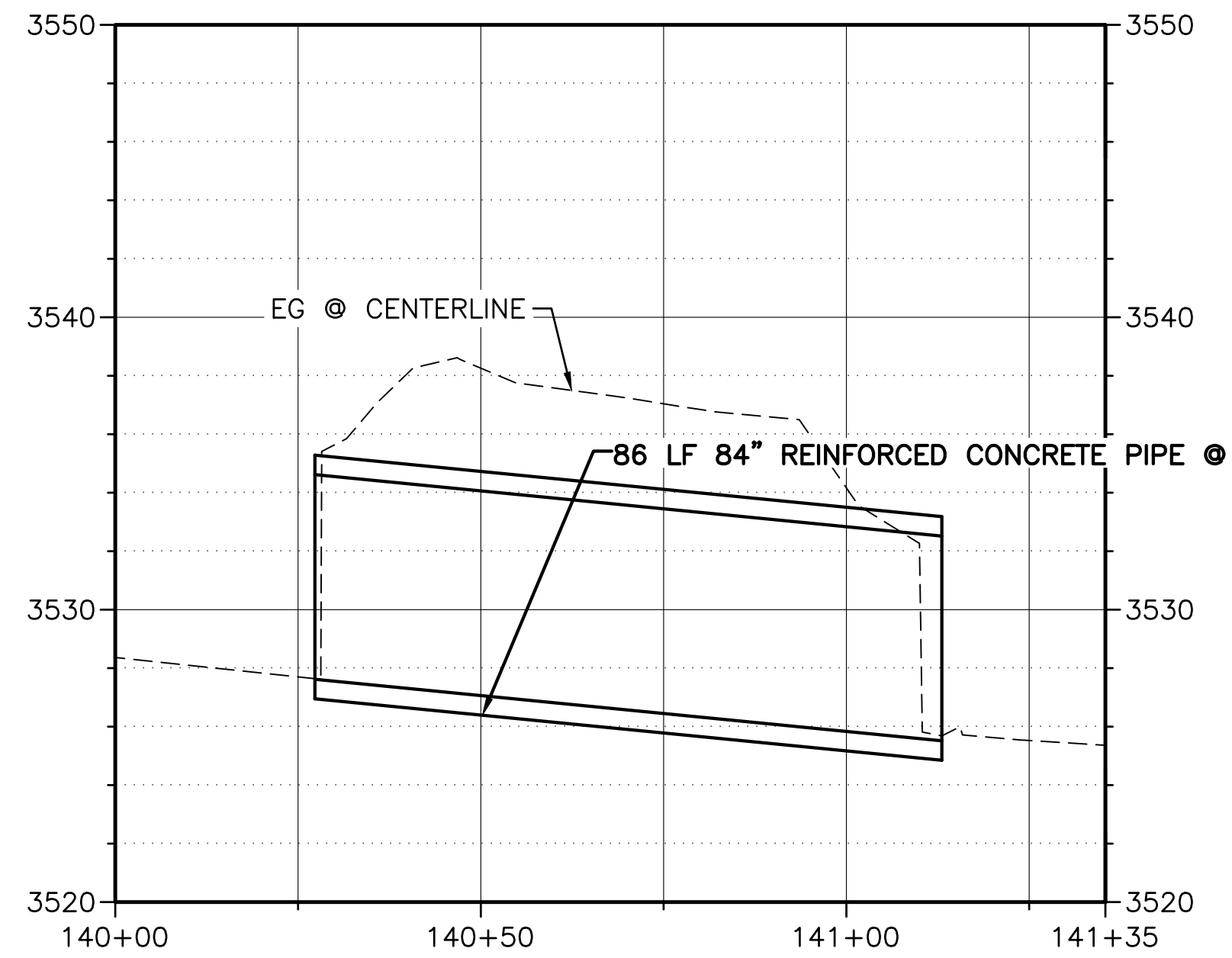
IDAHO STREET CULVERT PLAN
(NON COST SHARE ITEM)



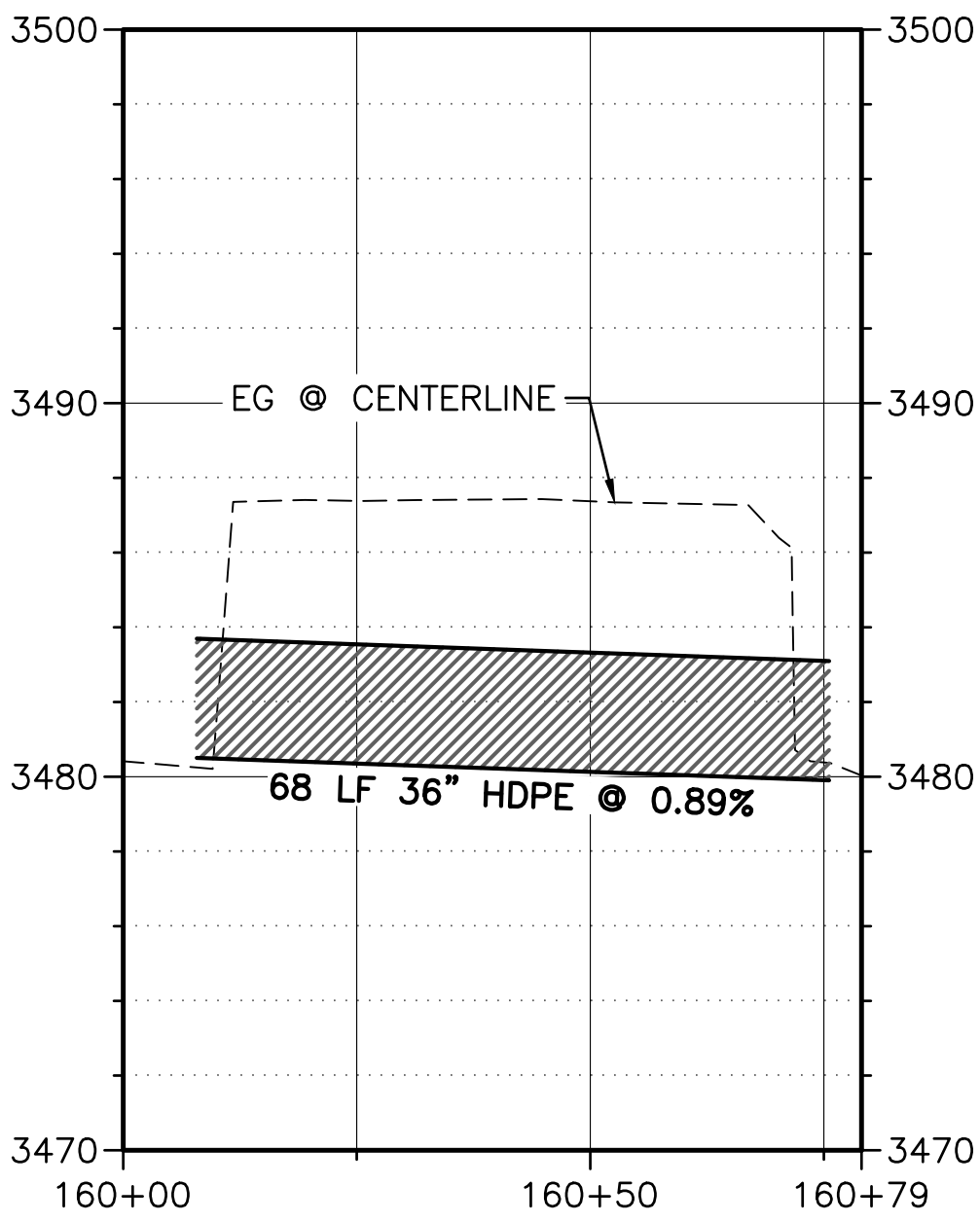
GOLDSTONE STREET CULVERT PLAN
(NON COST SHARE ITEM)



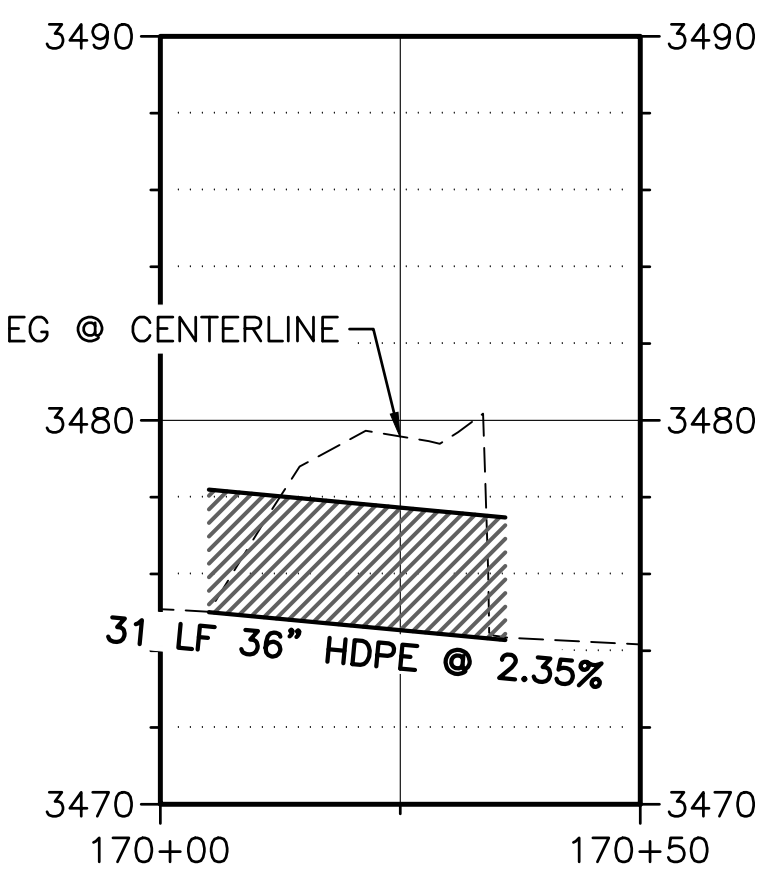
MAPLE STREET CULVERT PROFILE



IDAHO STREET CULVERT PROFILE



GOLDSTONE STREET CULVERT PROFILE



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NO.			

COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

FLOODWATER SYSTEM PLAN & PROFILE



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REVISION	
NO.	DESCRIPTION BY

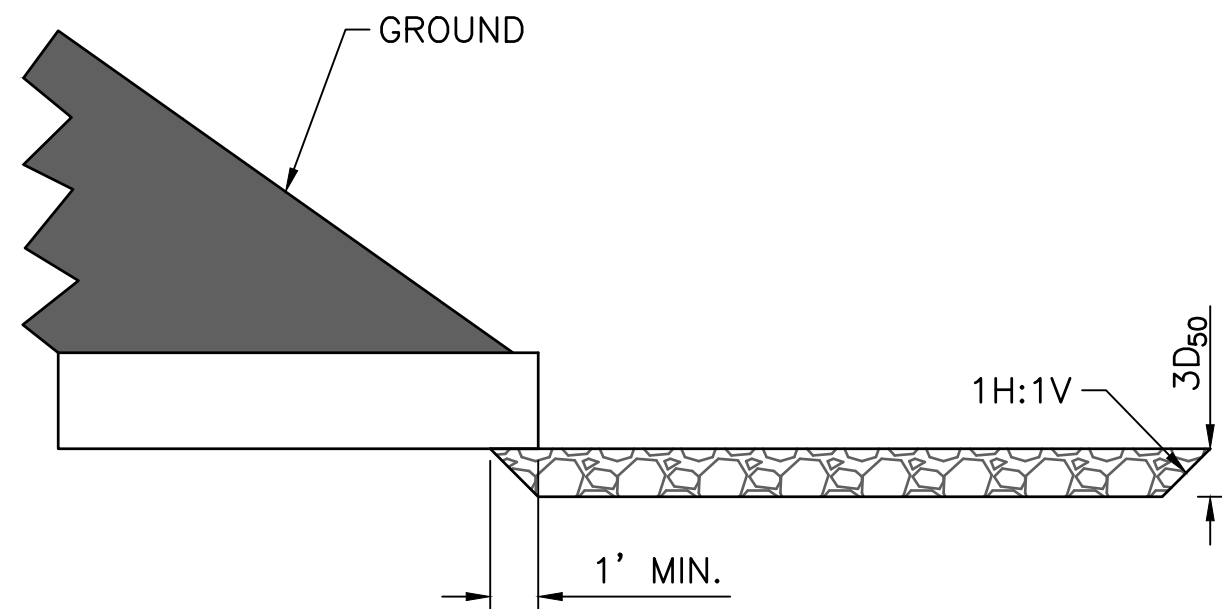
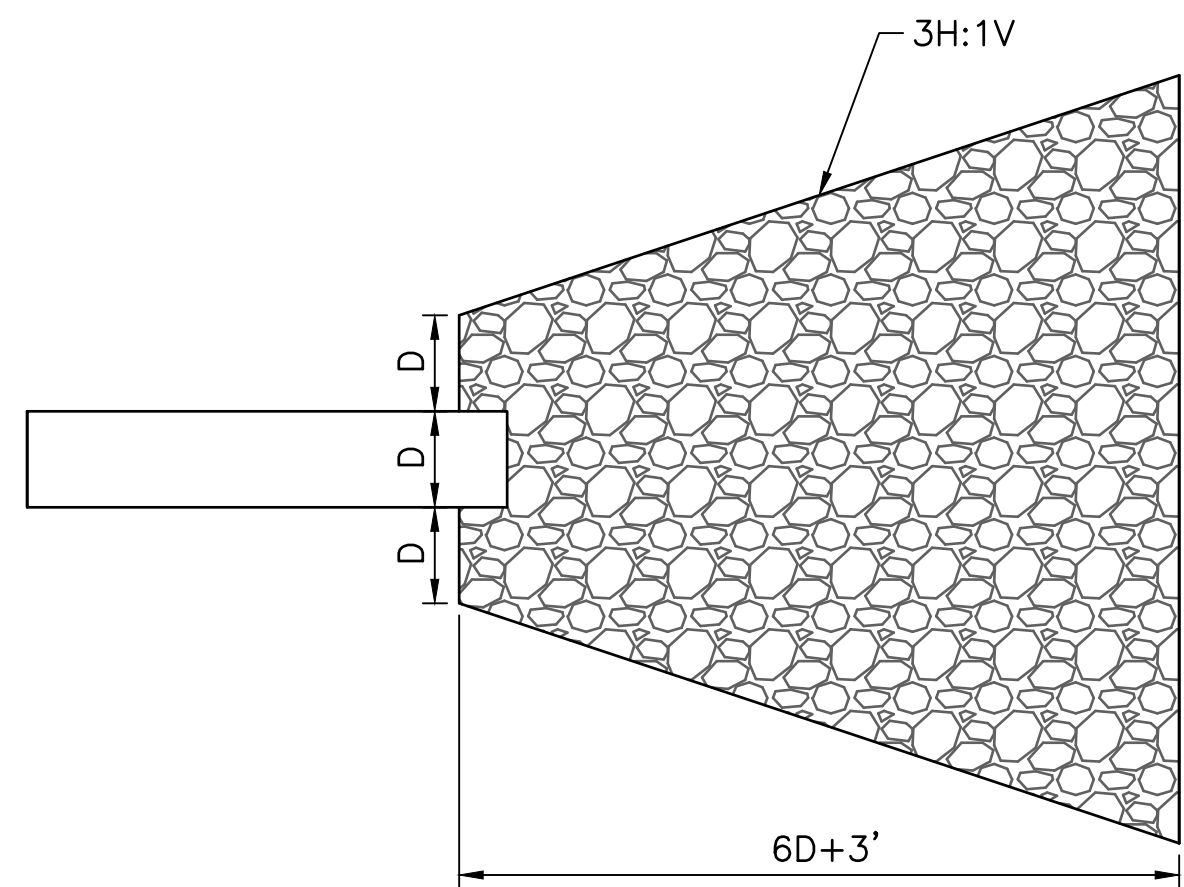
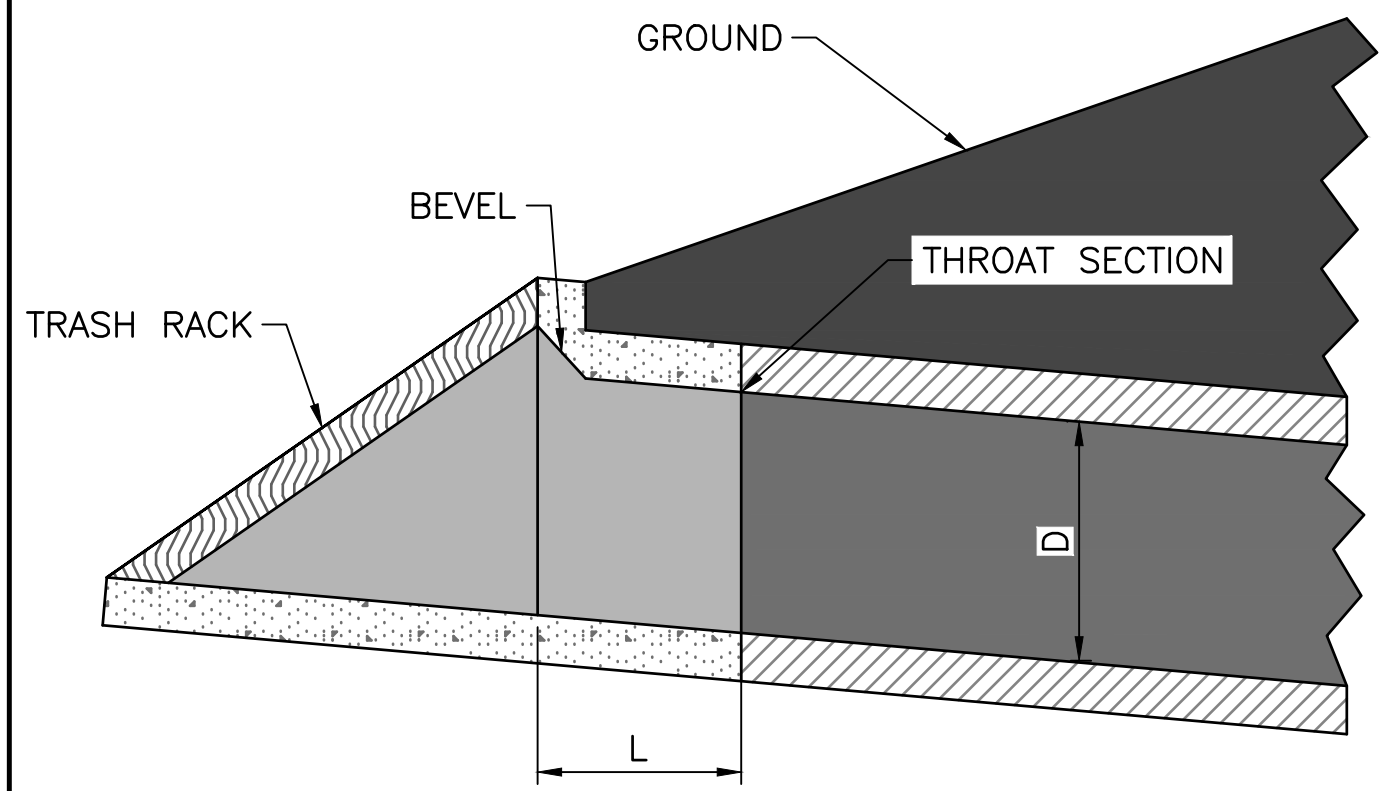
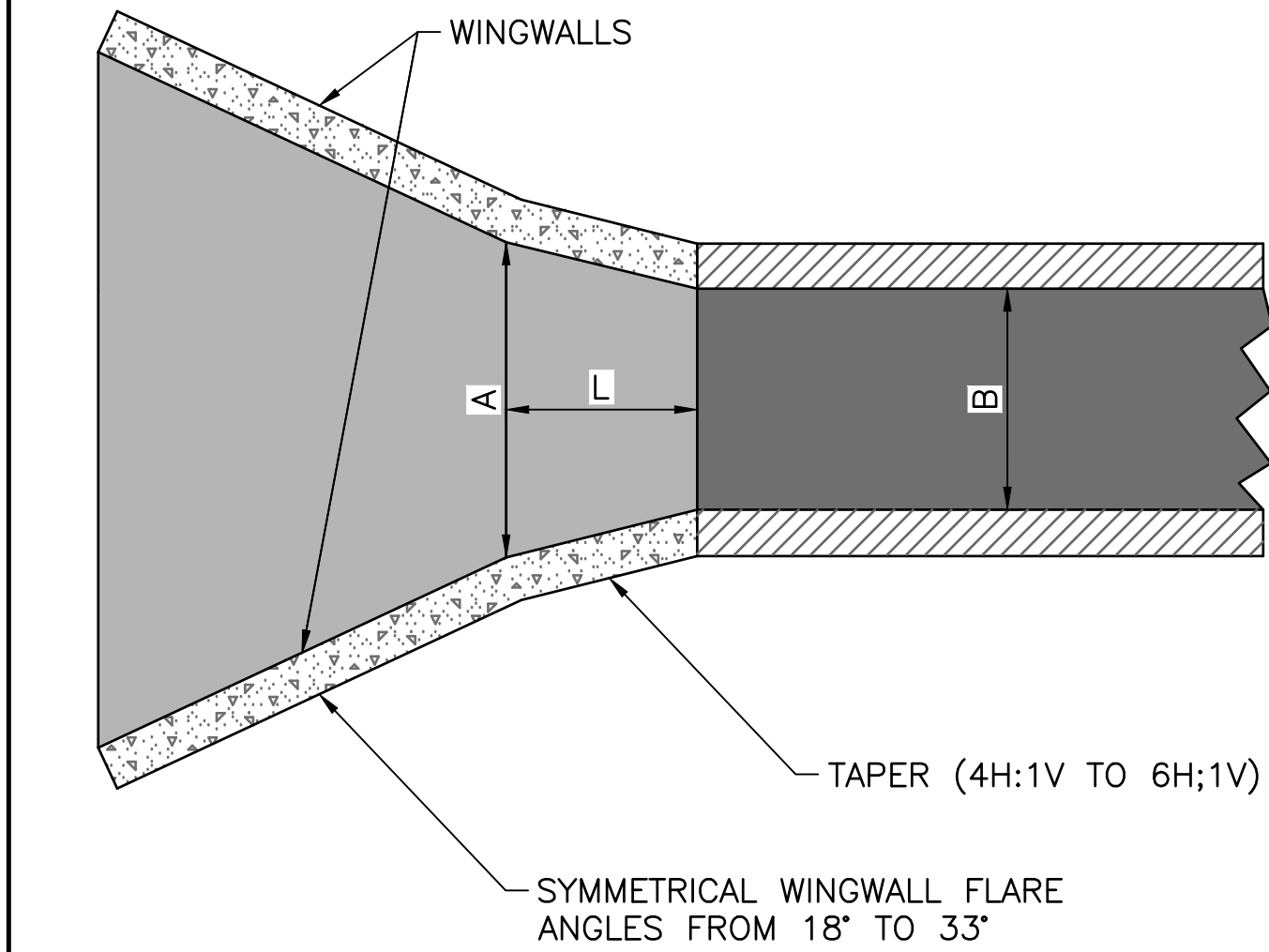
COTTONWOOD CREEK WATERSHED PLAN-EA
CITY OF COTTONWOOD, IDAHO

TYPICAL SECTIONS & DETAILS

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SIGN BY: WDR
CHECKED BY: JRW
 ONE INCH AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 2/28/2024

SHEET NUMBER:

C-501



Appendix C3: Design Analysis Figures

C3.1 – Hydraulics & Hydrology

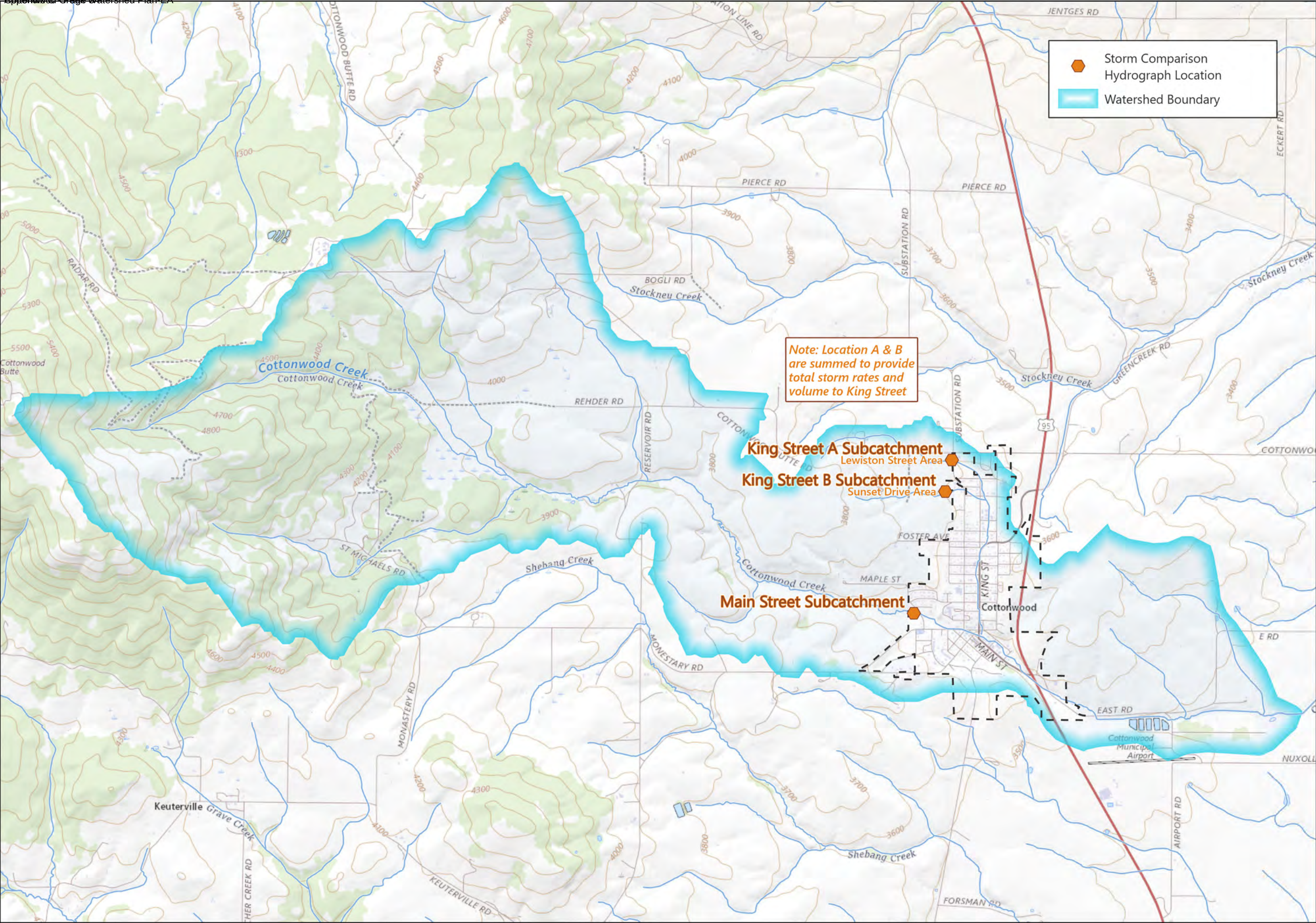
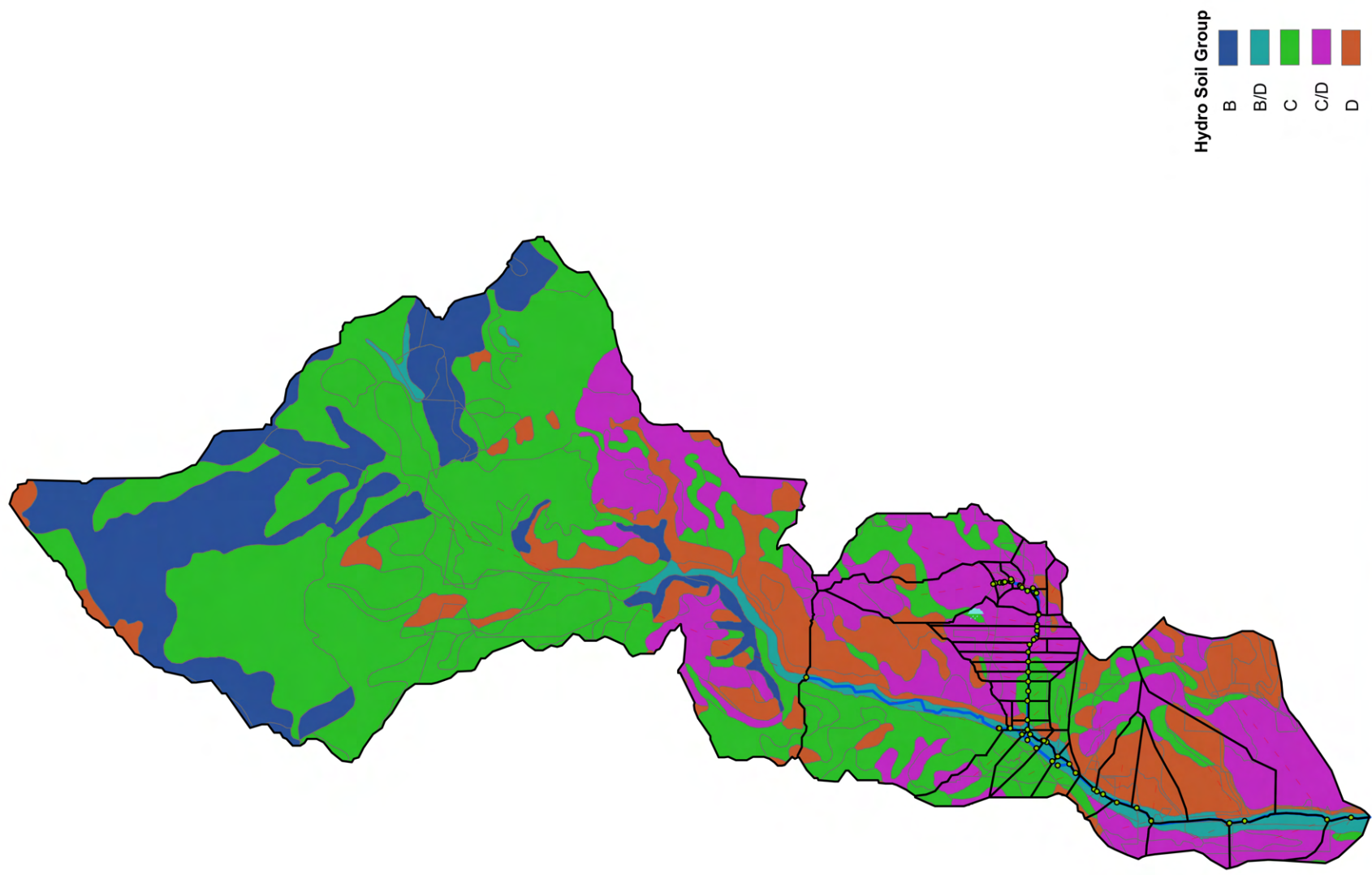


Figure C3.1-1

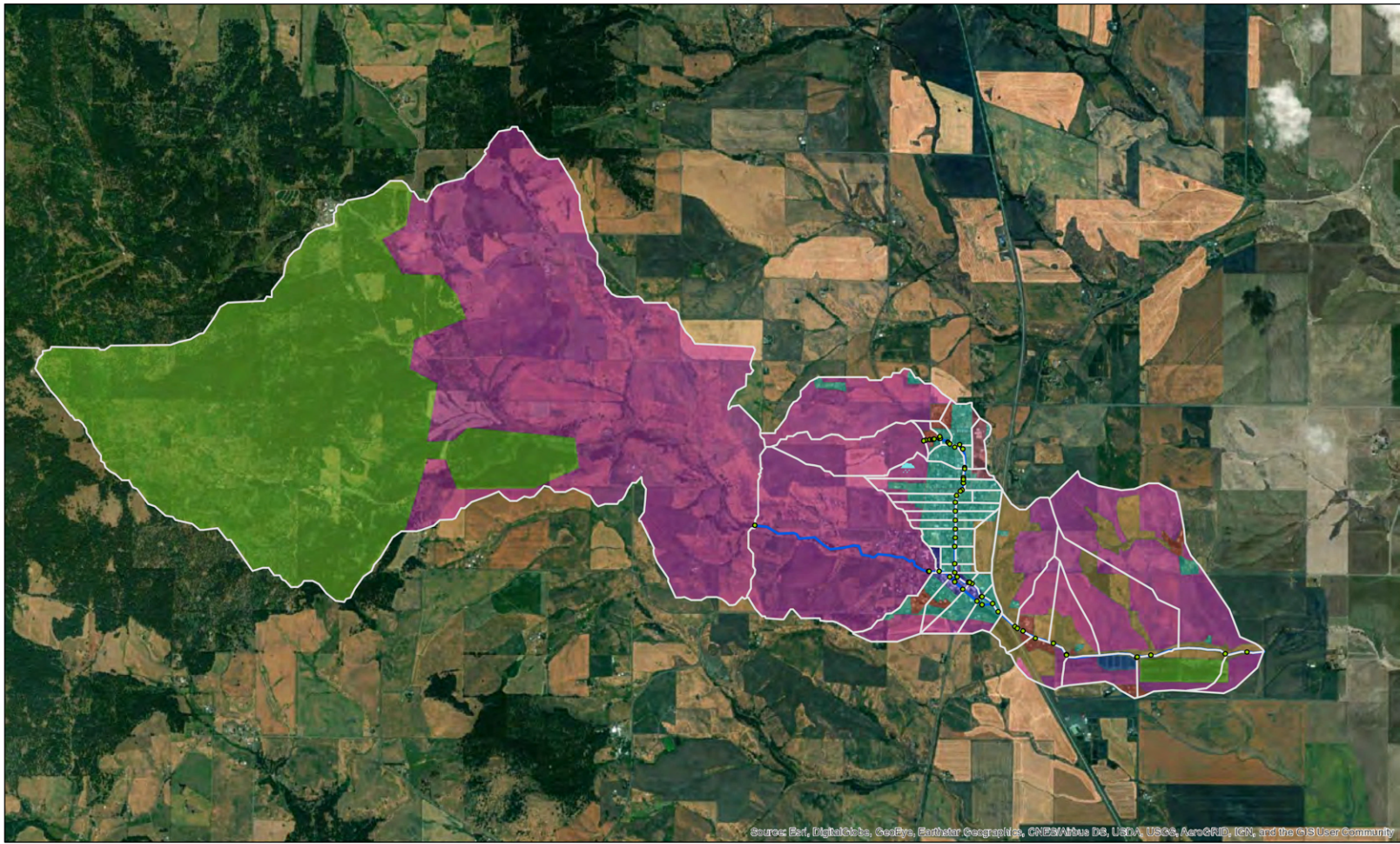
WATERSHED BOUNDARY



HYDROLOGIC SOIL GROUPS

Cottonwood Creek Watershed Plan-EA

Figure C3.1-2



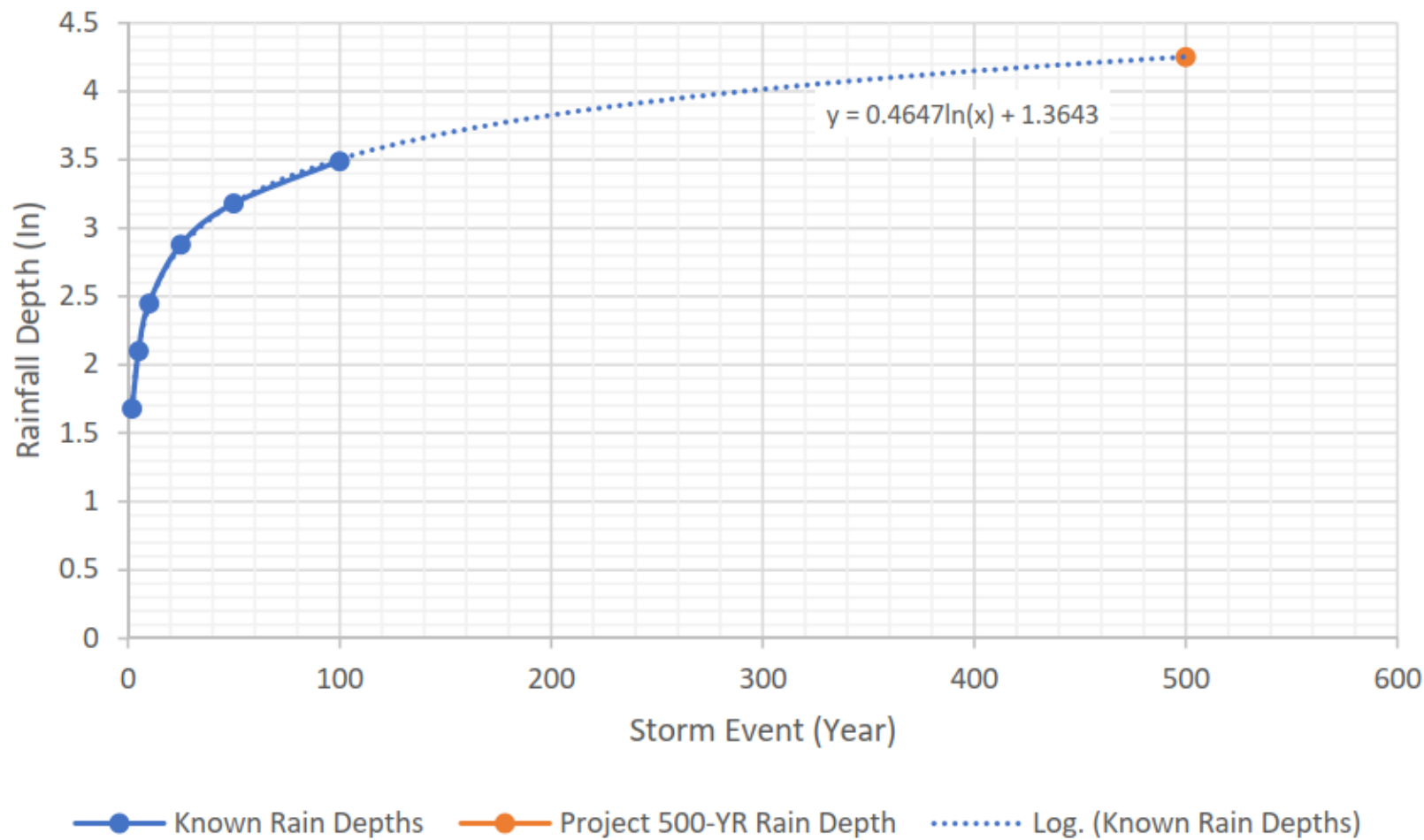
- Land use**
- Agricultural
 - Commercial
 - Forest
 - Industrial
 - Low Density Residential
 - Residential
 - No Flow
 - Open
 - School

LAND USE



Cottonwood Creek Watershed Plan-EA

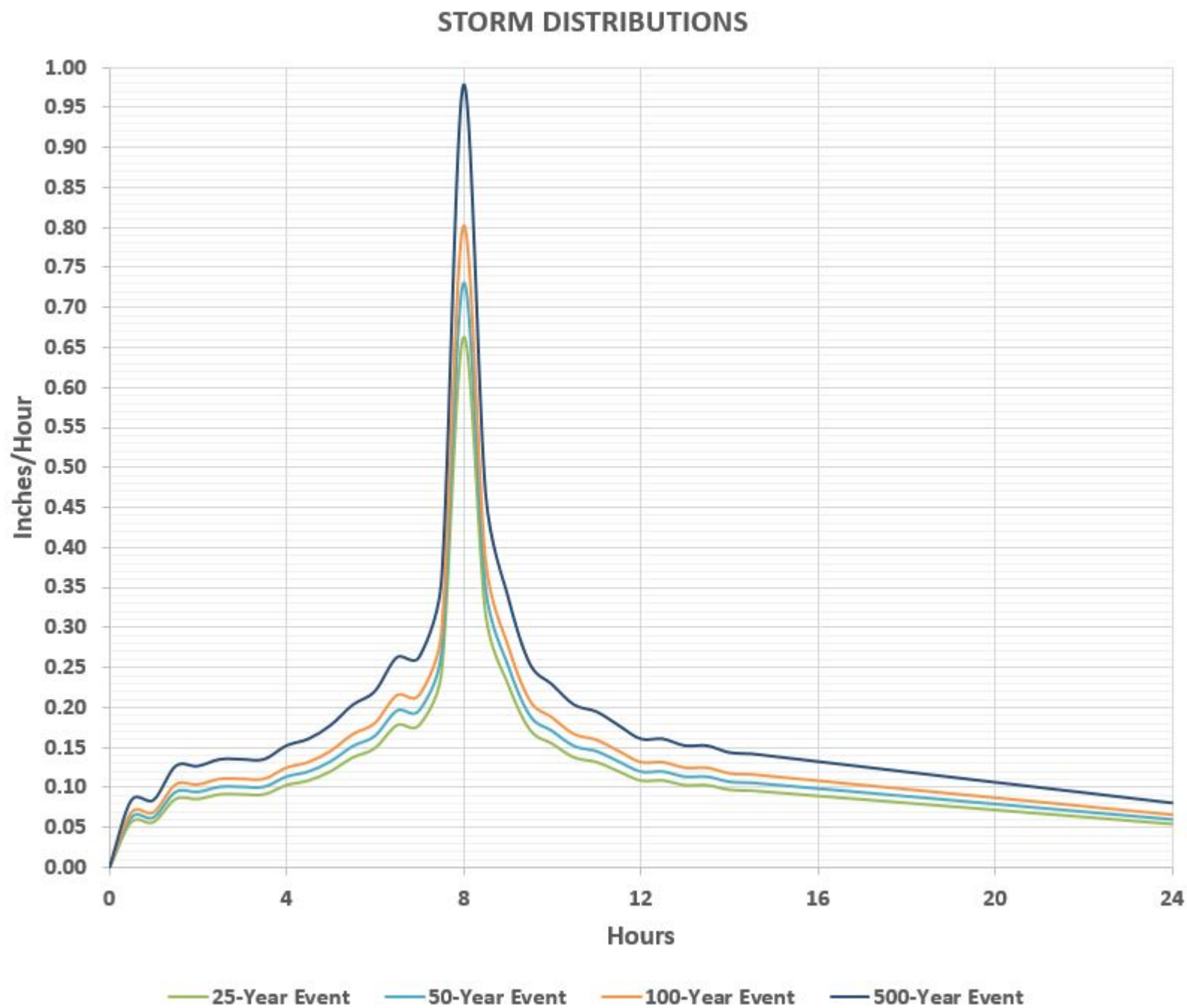
Figure C3.1-3



500 Year Rainfall Depth Projection

Cottonwood Creek Watershed Plan-EA

Figure C3.1-4



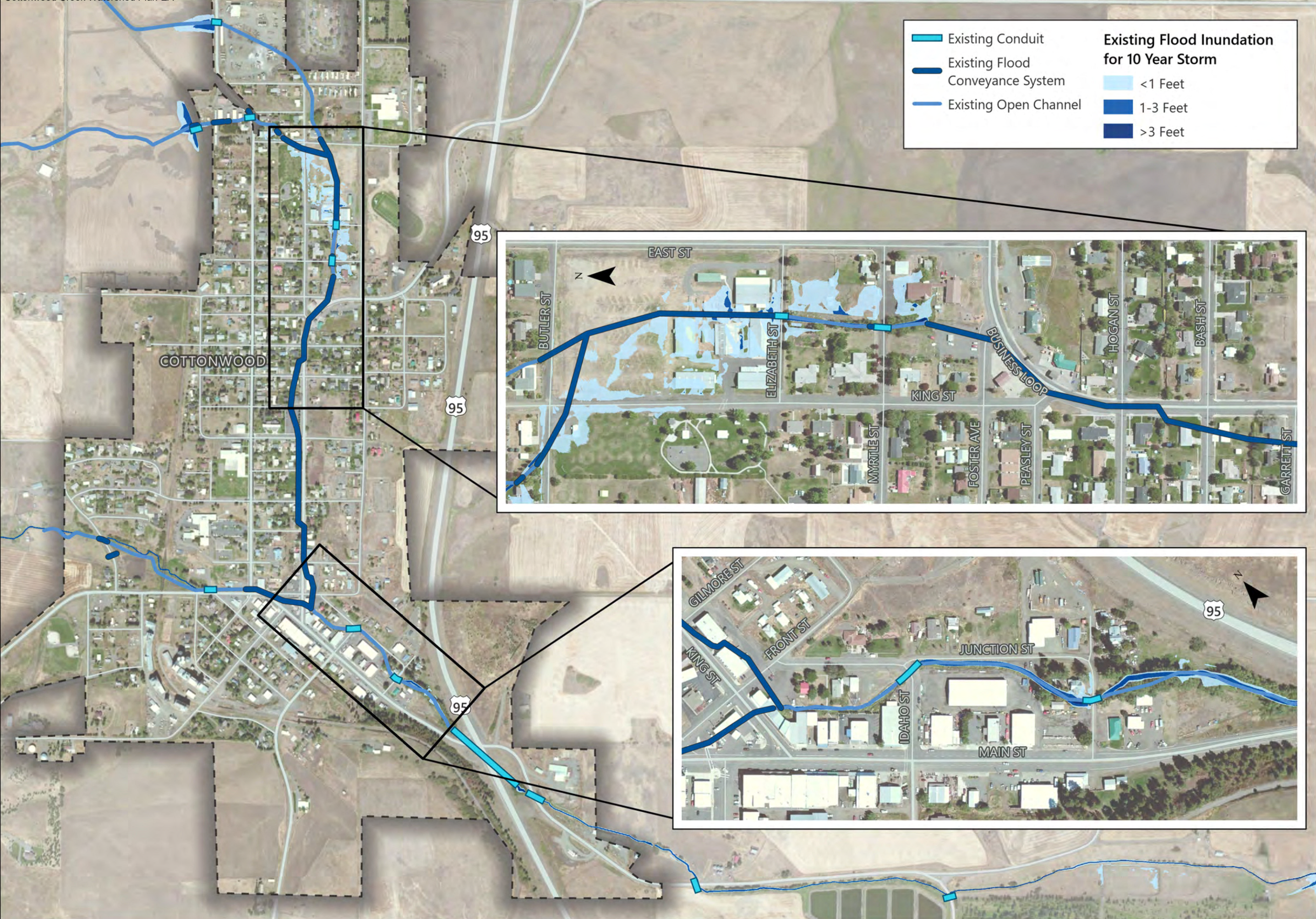


Figure C3.2-1

EXISTING FLOOD PIPING WITH FLOOD INUNDATION FOR 10 YEAR STORM

Cottonwood Creek Watershed Plan-EA

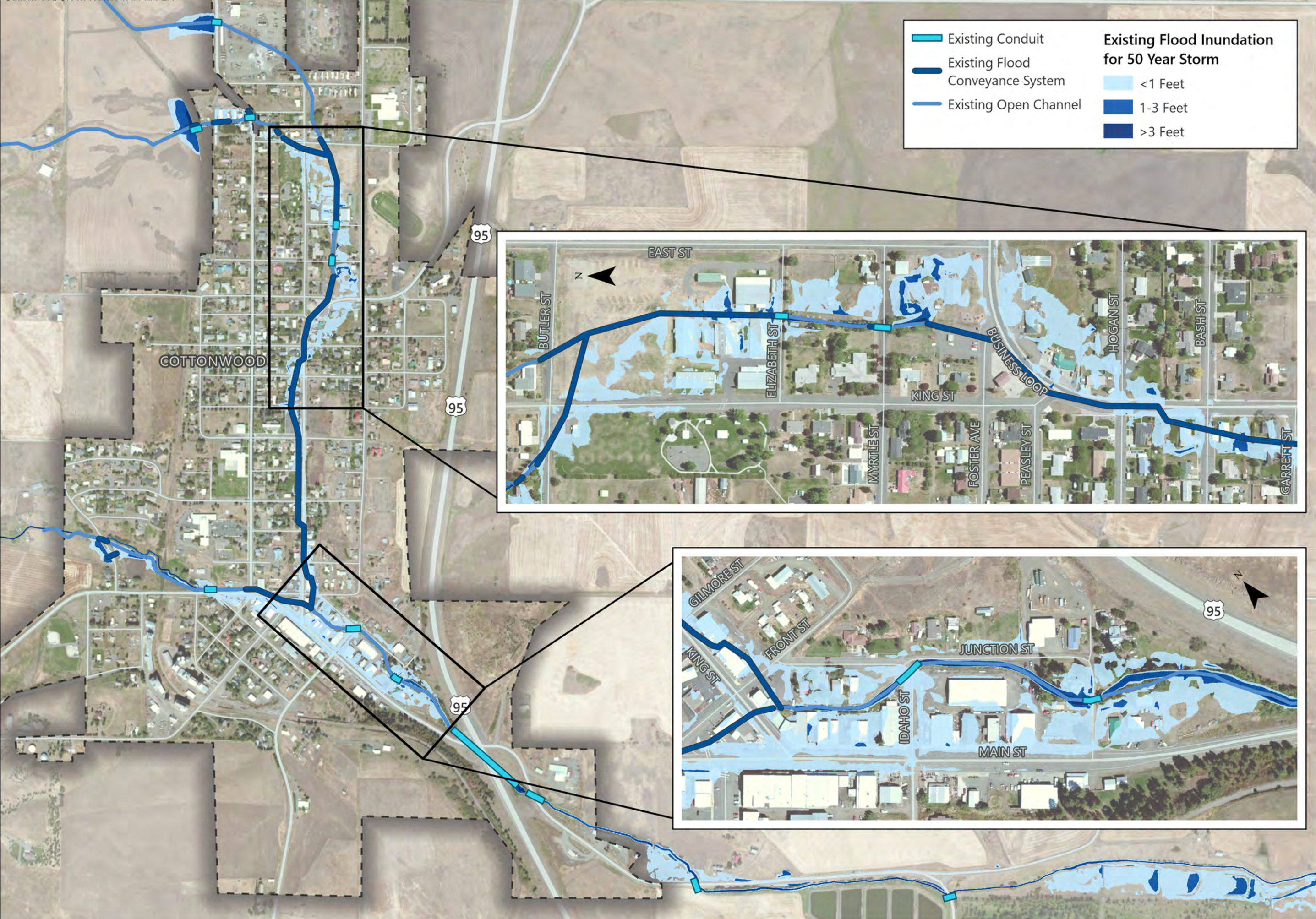


Figure C3.2-2

EXISTING FLOOD PIPING WITH FLOOD INUNDATION FOR 50 YEAR STORM

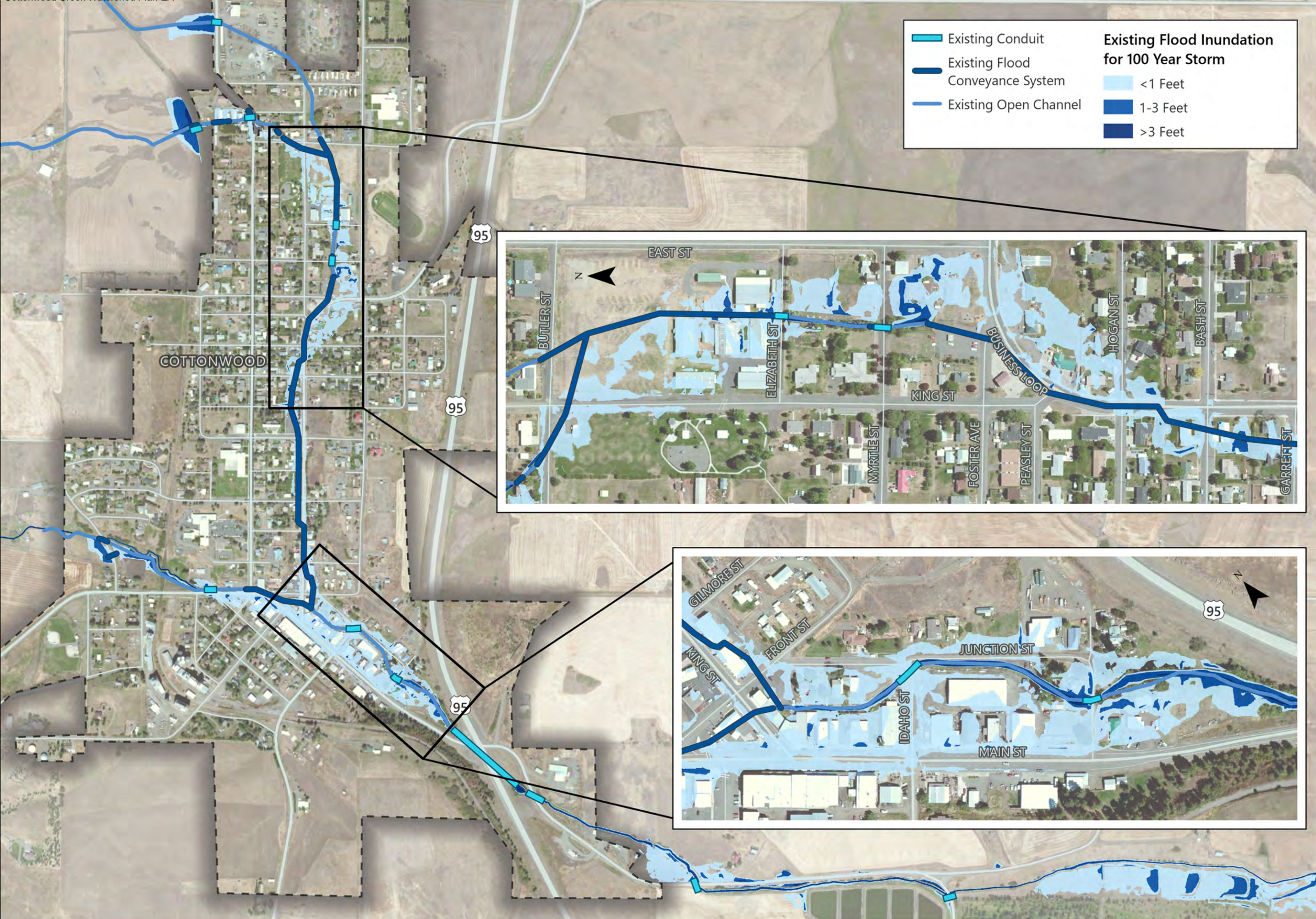


Figure C3.2-3

EXISTING FLOOD PIPING WITH FLOOD INUNDATION FOR 100 YEAR STORM

Cottonwood Creek Watershed Plan-EA

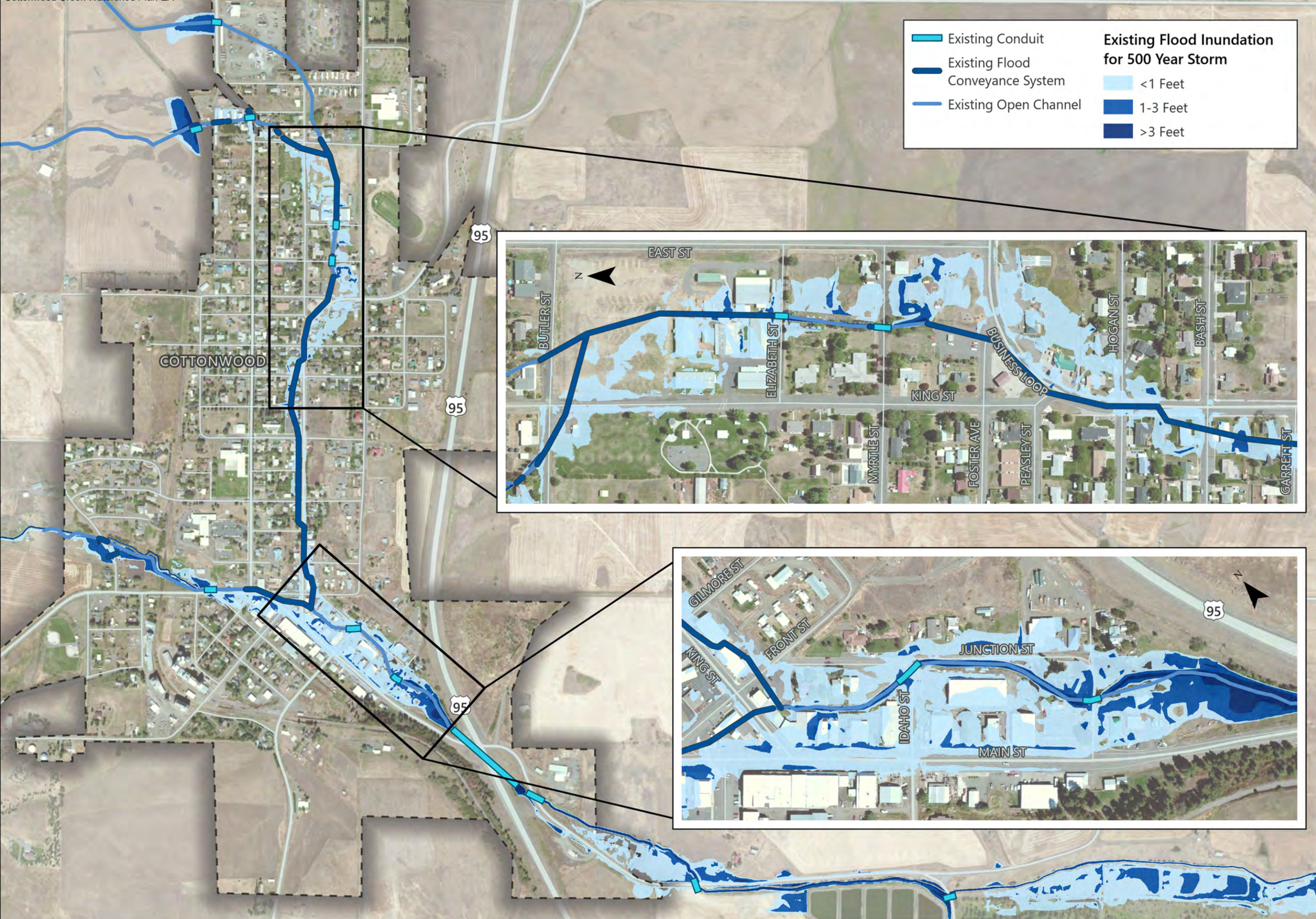
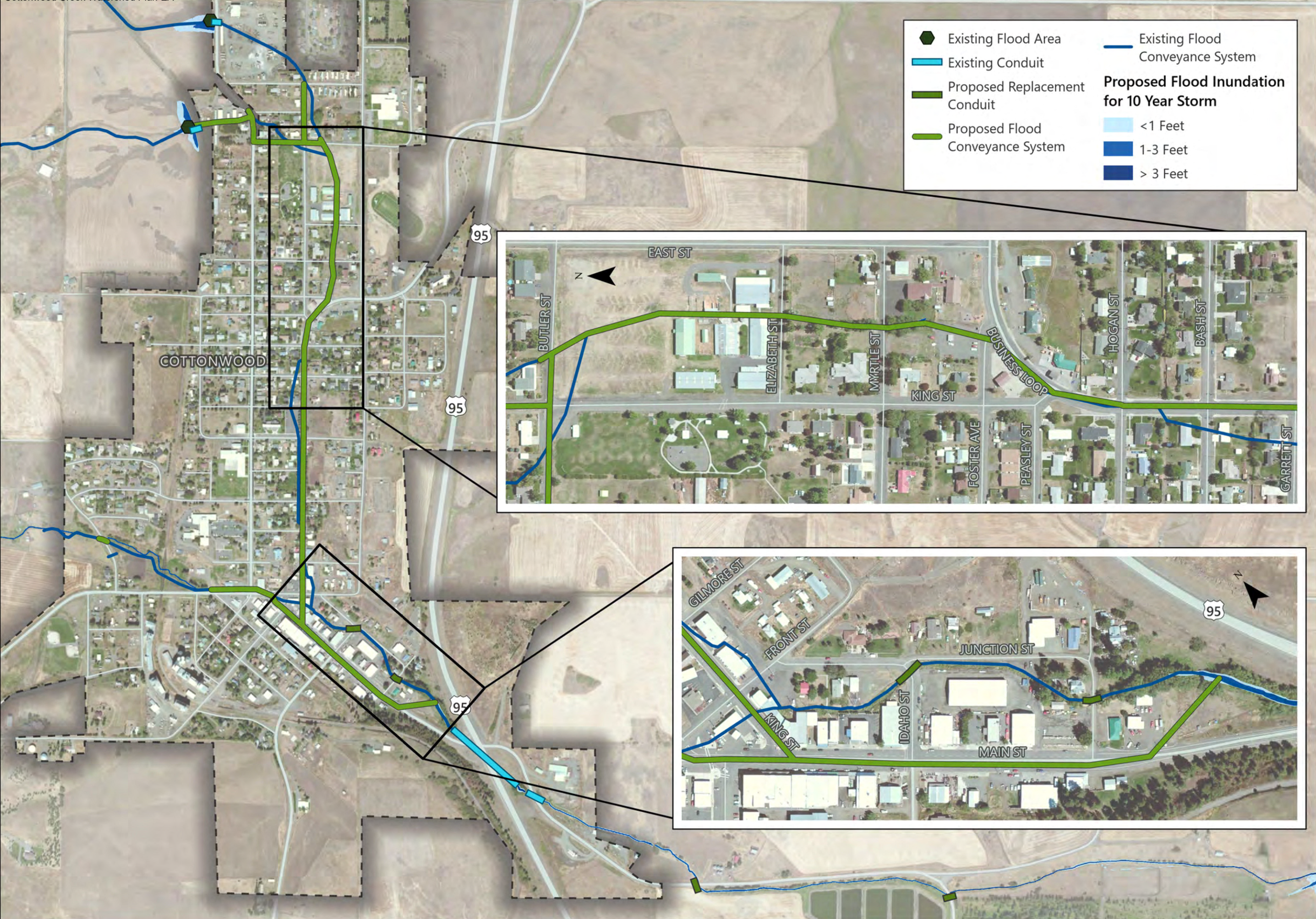


Figure C3.2-4

EXISTING FLOOD PIPING WITH FLOOD INUNDATION FOR 500 YEAR STORM

Cottonwood Creek Watershed Plan-EA



PROPOSED FLOOD PIPING WITH FLOOD INUNDATION FOR 10 YEAR STORM

Cottonwood Creek Watershed Plan-EA

Figure C3.2-5



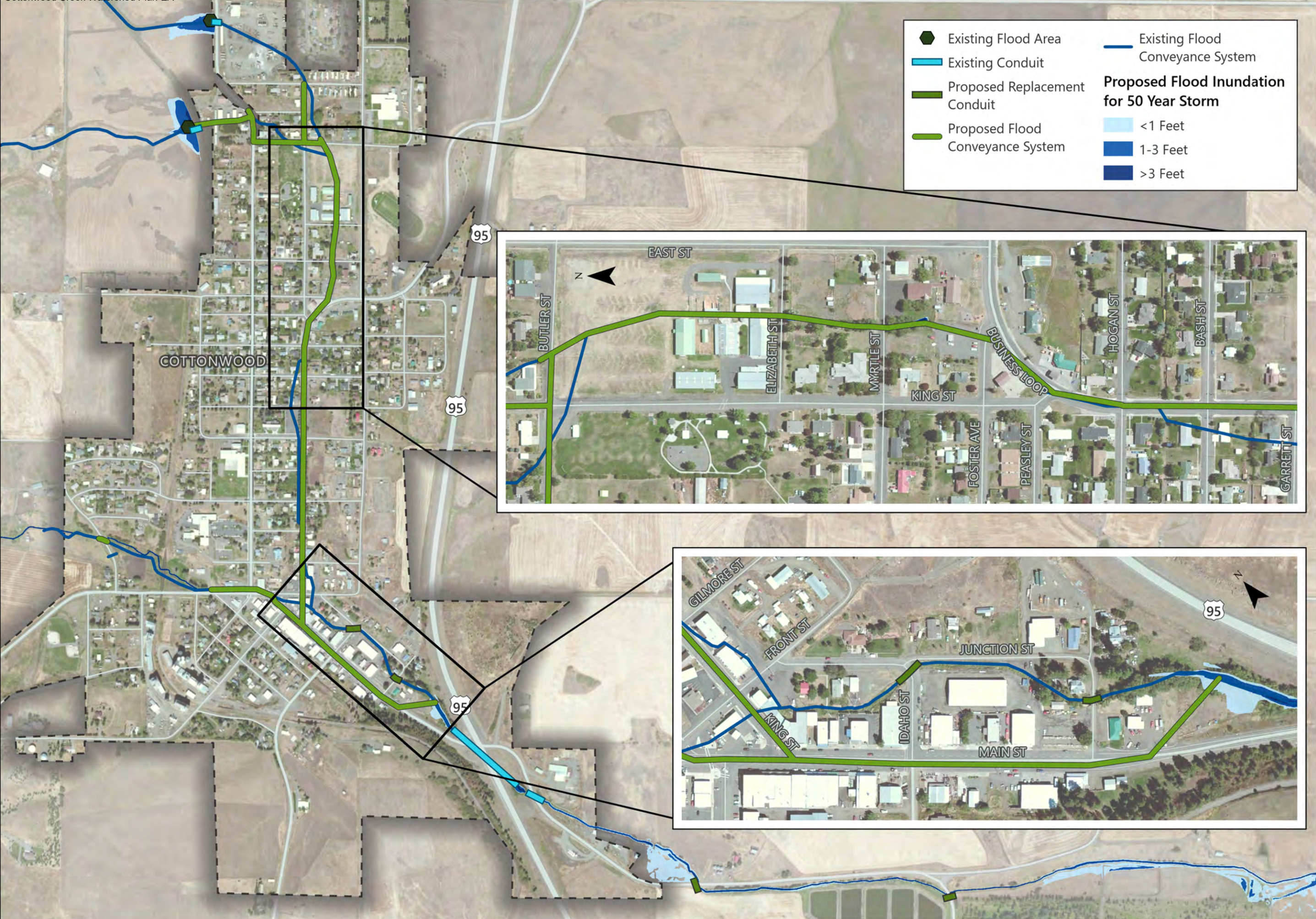
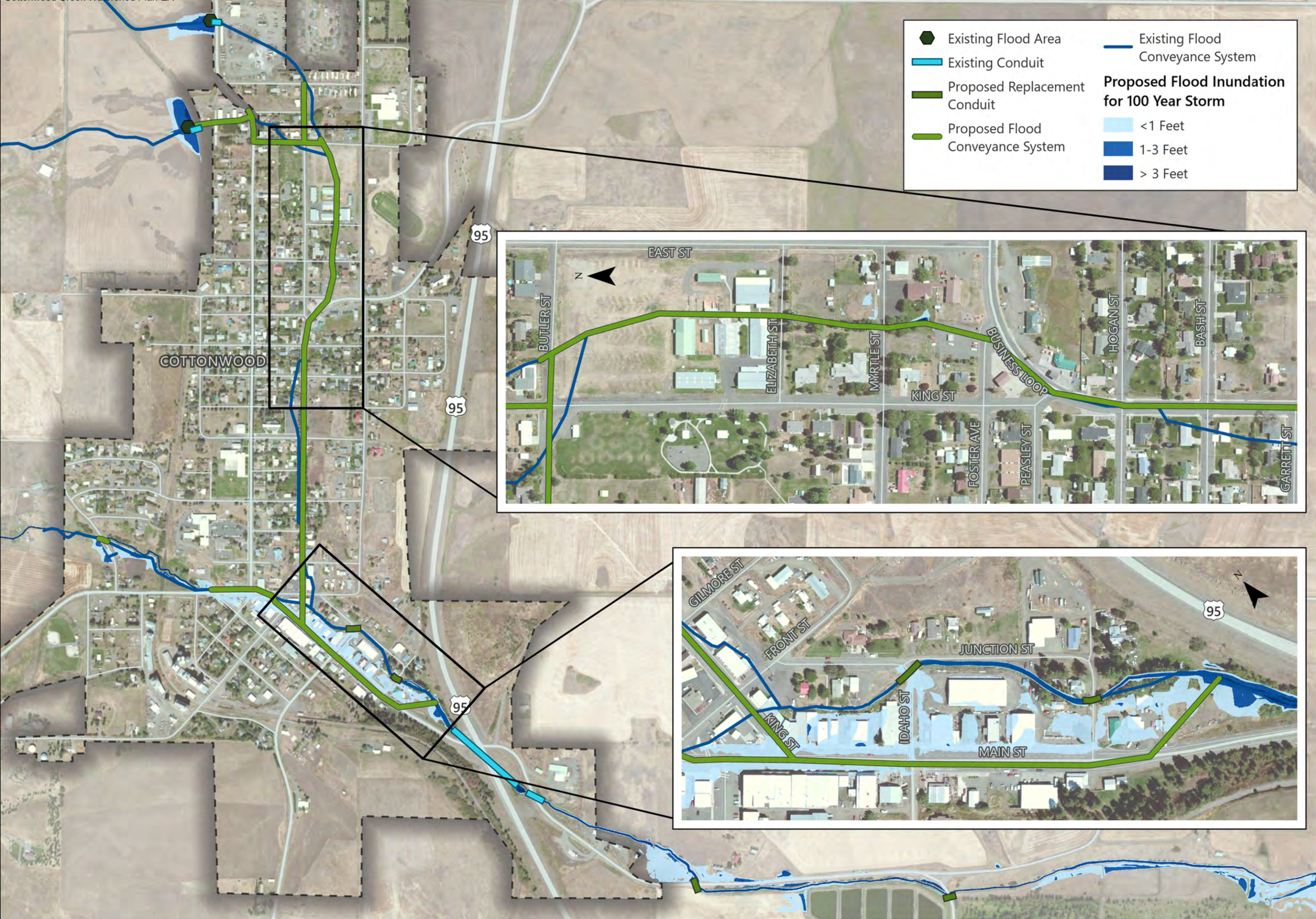


Figure C3.2-6

PROPOSED FLOOD PIPING WITH FLOOD INUNDATION FOR 50 YEAR STORM

Cottonwood Creek Watershed Plan-EA

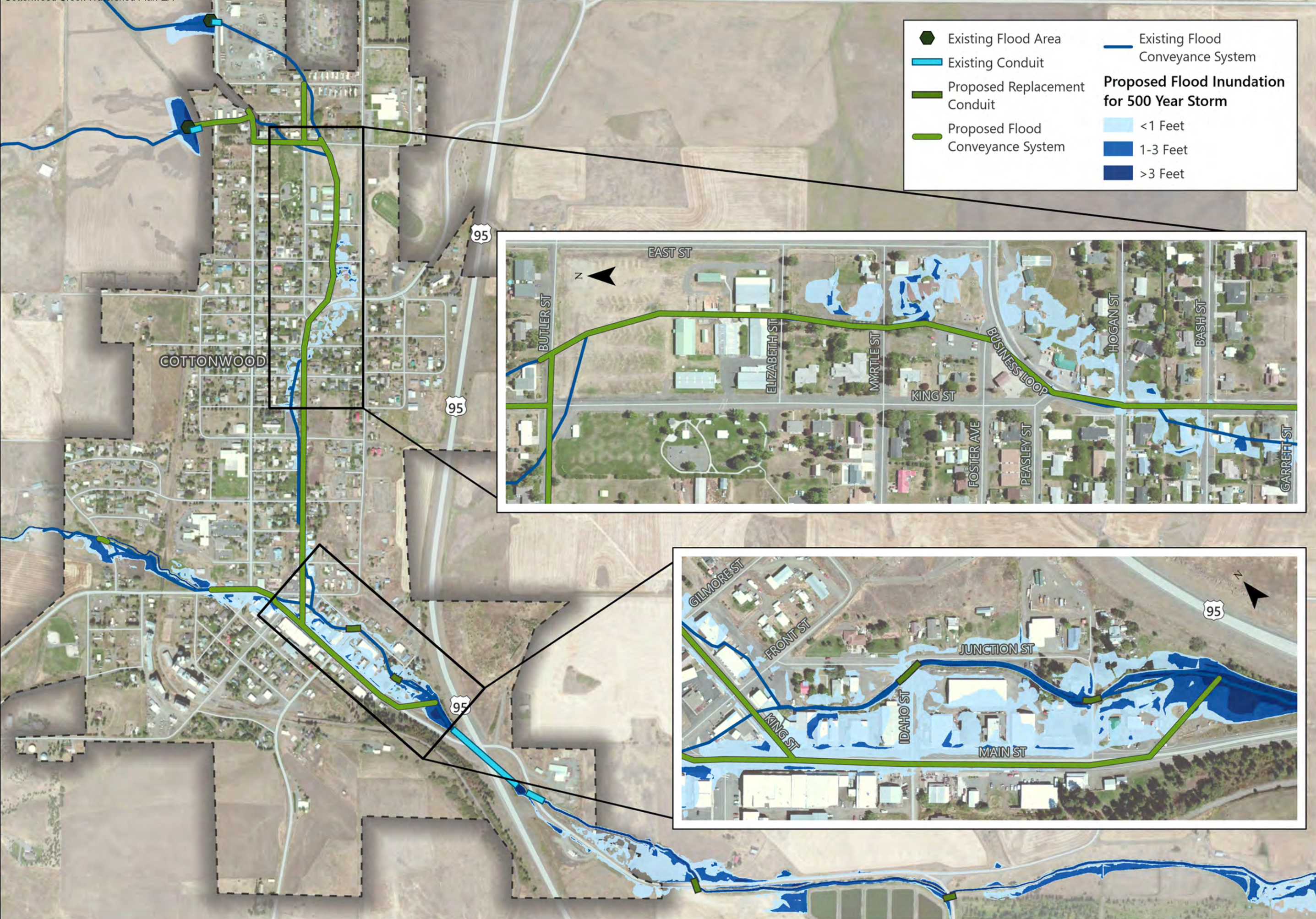


PROPOSED FLOOD PIPING WITH FLOOD INUNDATION FOR 100 YEAR STORM

Cottonwood Creek Watershed Plan-EA

Figure C3.2-7





PROPOSED FLOOD PIPING WITH FLOOD INUNDATION FOR 500 YEAR STORM

Cottonwood Creek Watershed Plan-EA

Figure C3.2-8

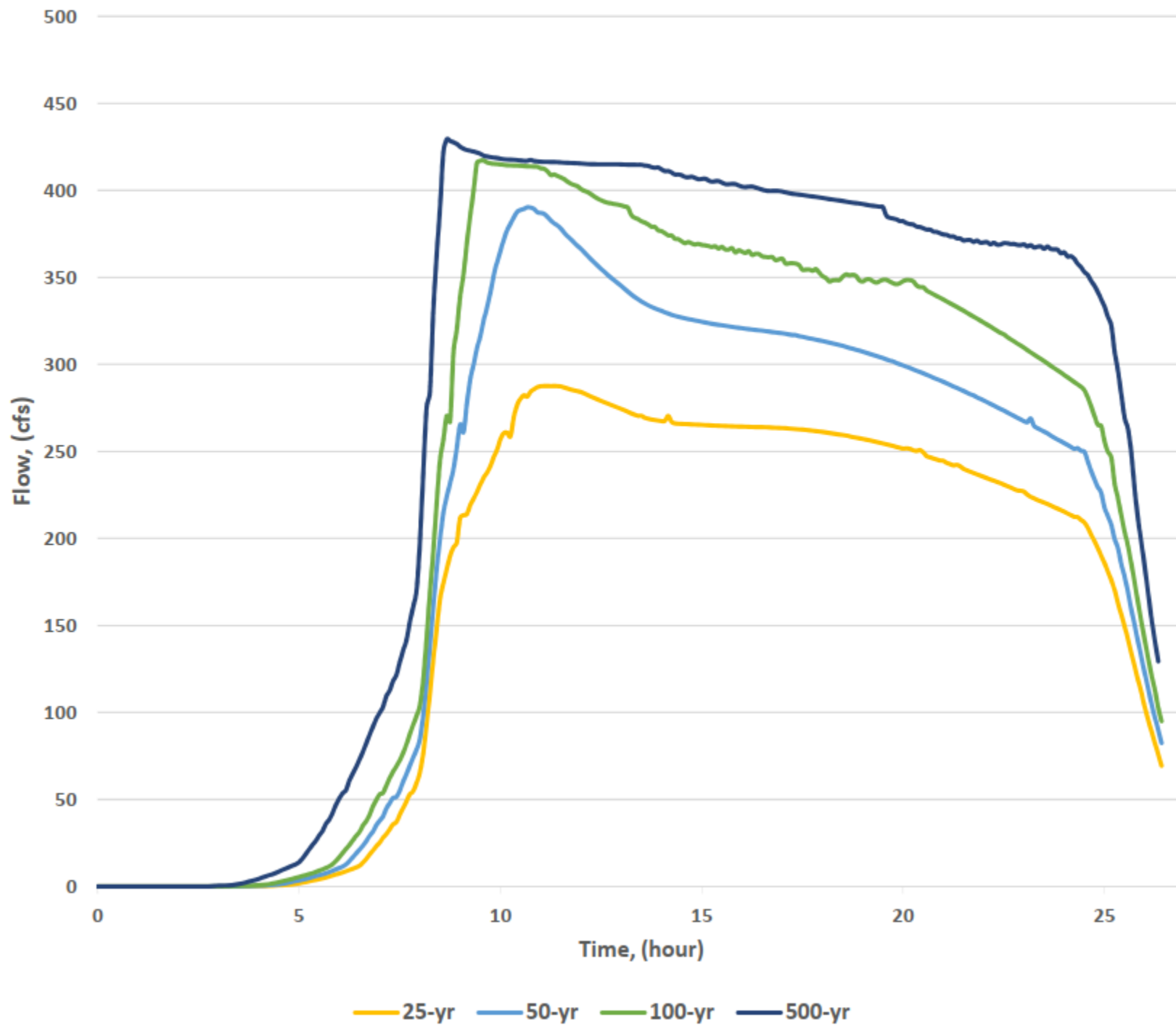




Figure C3.2-9

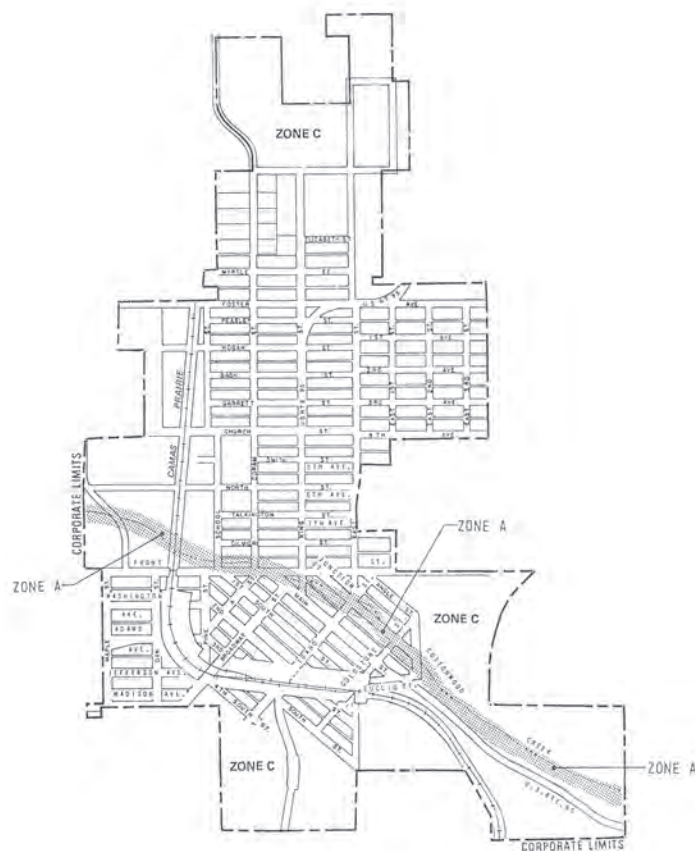
FLOW COMPARISON

Cottonwood Creek Watershed Plan-EA



Storm Comparison Hydrographs

Appendix C4: Floodplain Maps



KEY TO MAP

SPECIAL FLOOD HAZARD AREA

ZONE A

ZONE B

Base Flood Elevation Line With Elevation in Feet**

572

Base Flood Elevation in Feet Where Uniform Within Zone**

TEL 087

Elevation Reference Mark

RM7

Zone D Boundary

M1

State Mile

M1

**Reference to the National Geographic Vertical Datum of 1929

EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not mean, fairly show, or suggest, in flooding in that community or of surrounding areas, outside special flood hazard areas.

INITIAL IDENTIFICATION:

MAY 17, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS:
FEBRUARY 27, 1978

FLOOD INSURANCE RATE MAP EFFECTIVE:
MAY 1, 1985

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE date shown on this map to determine when actual rates apply to properties in the zones where elevations or depths have been established.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6639.



APPROXIMATE SCALE IN FEET

0 100 200

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

CITY OF
COTTONWOOD,
IDAHO
IDAHO COUNTY

ONLY PANEL PRINTED

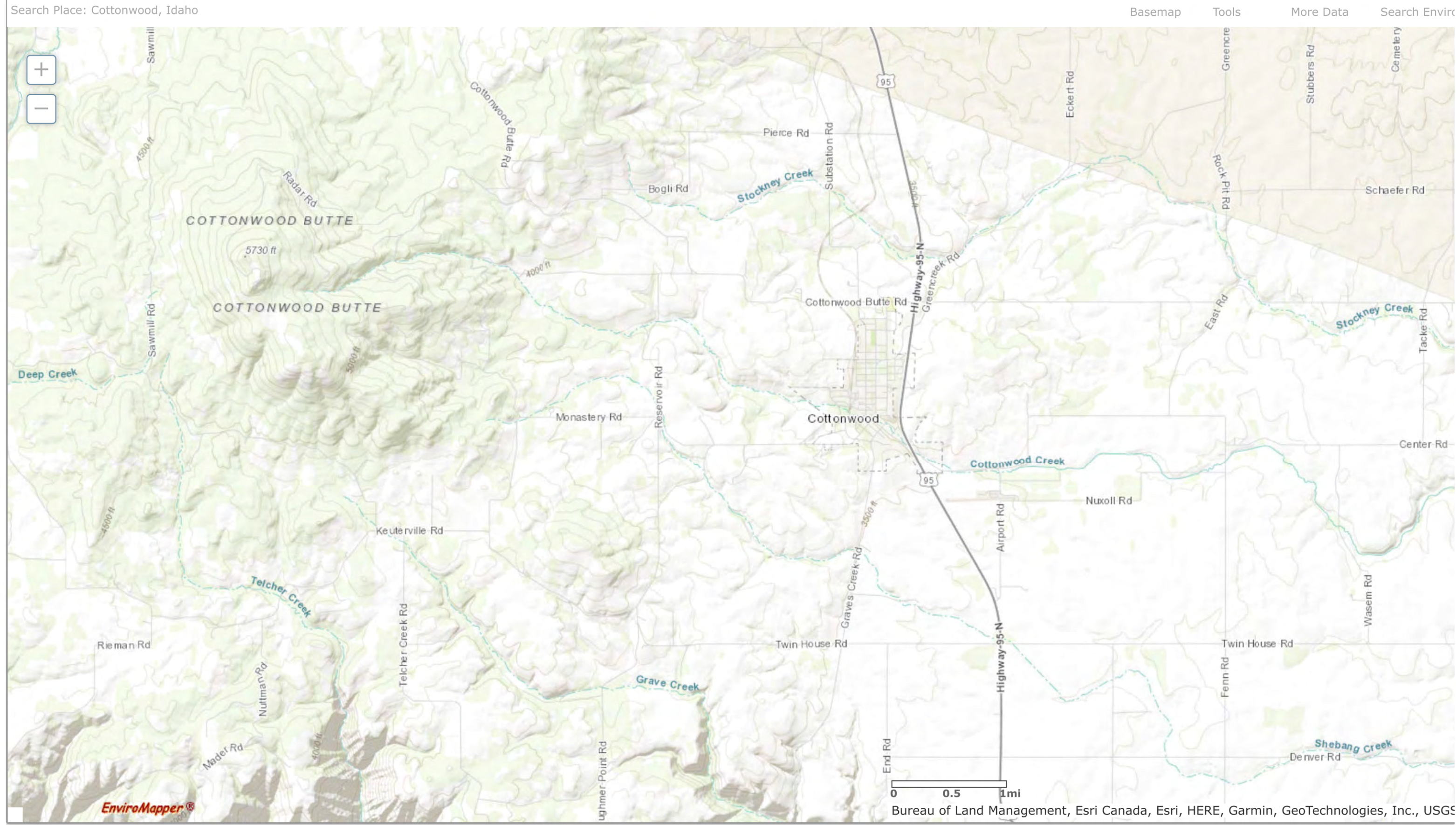
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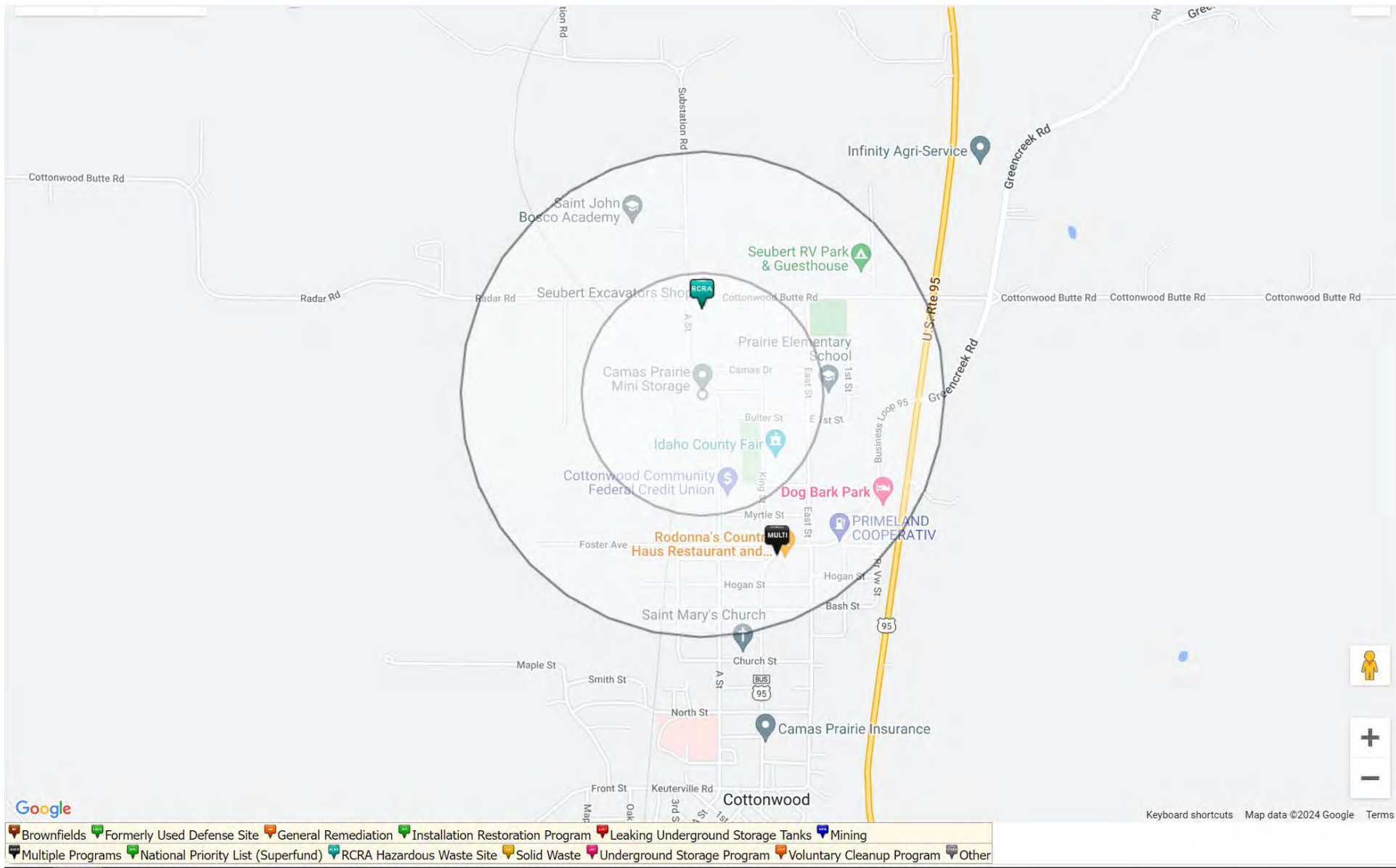
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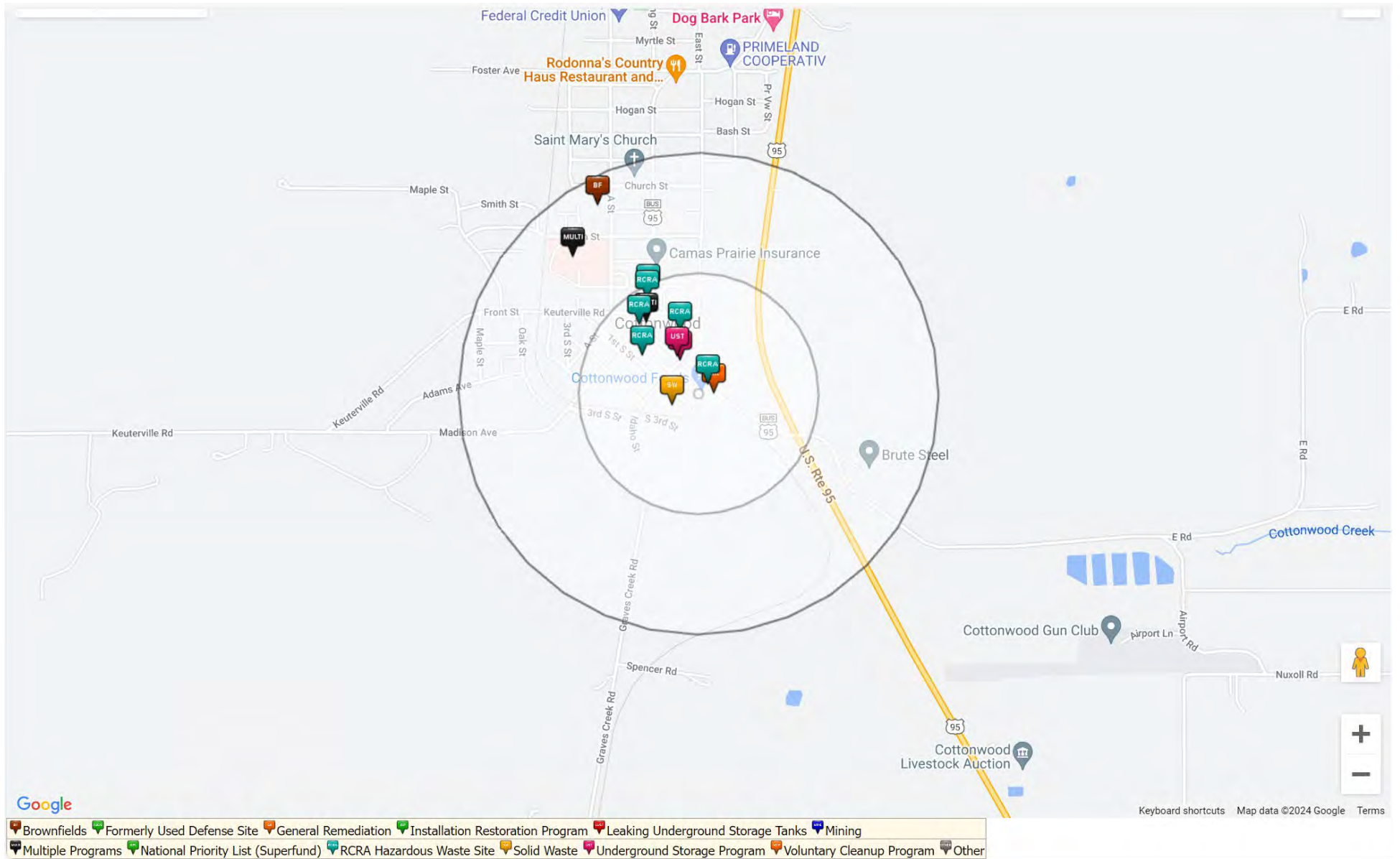


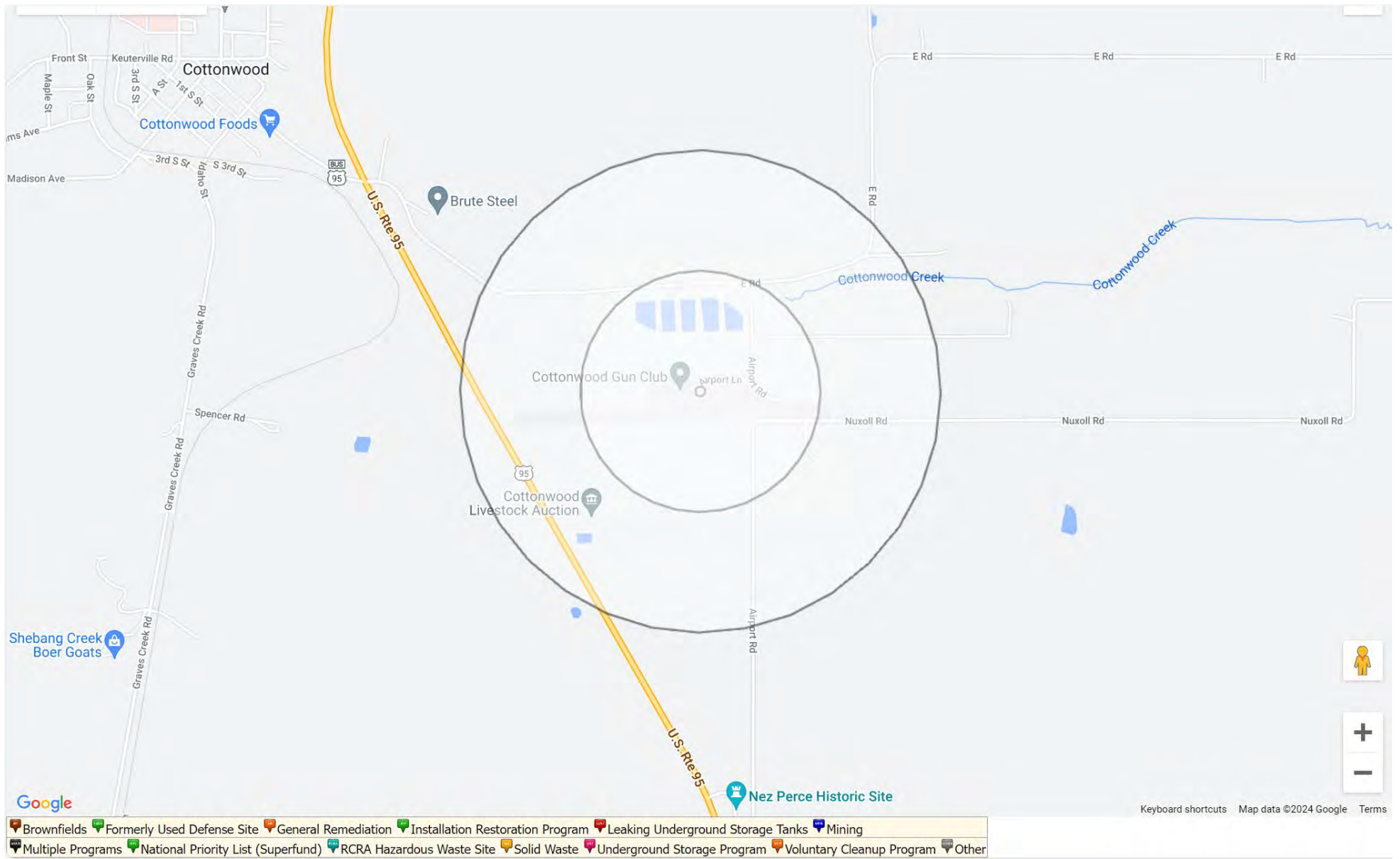
Appendix C5: Hazmat Report

EnviroMapper

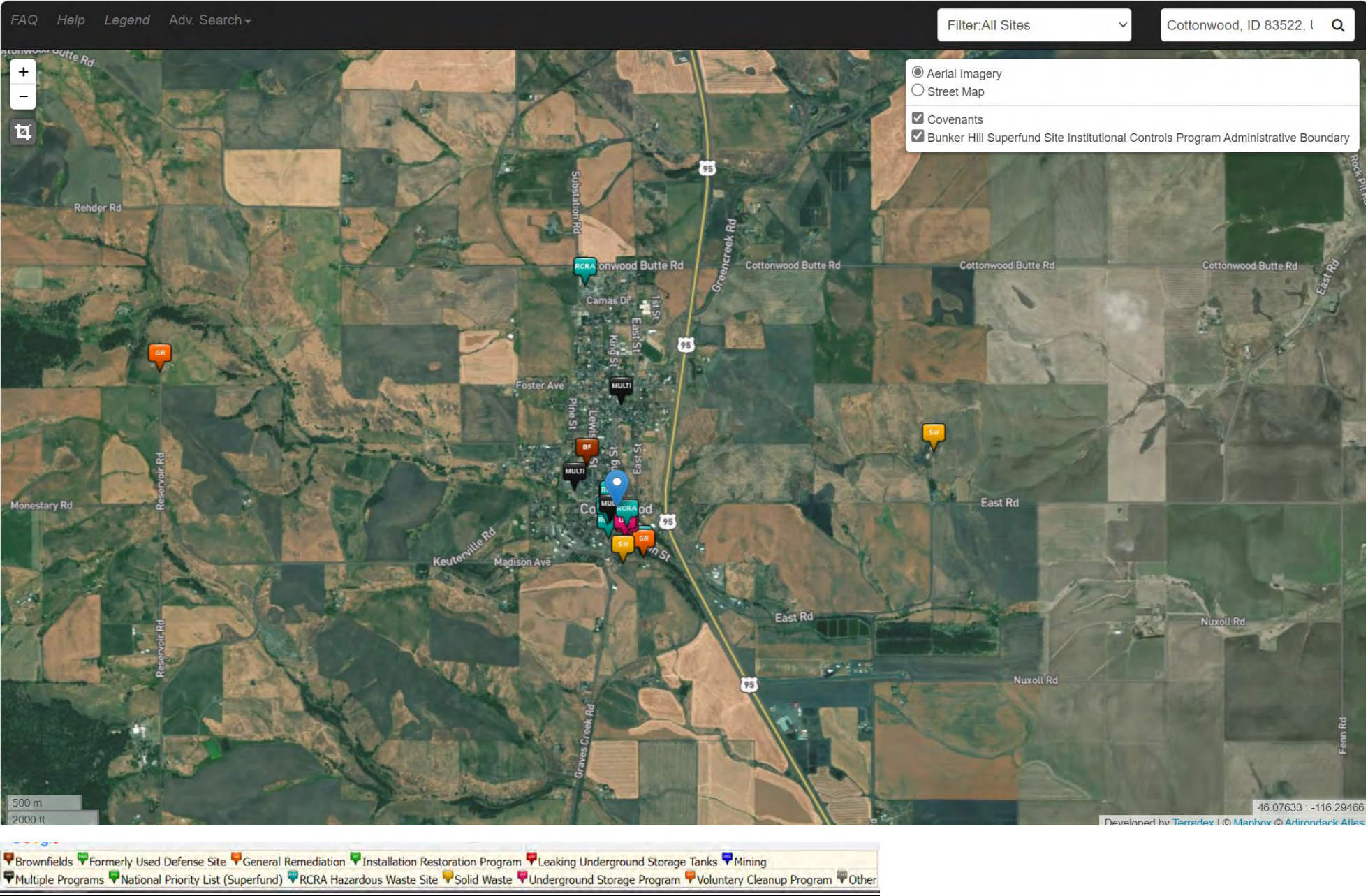


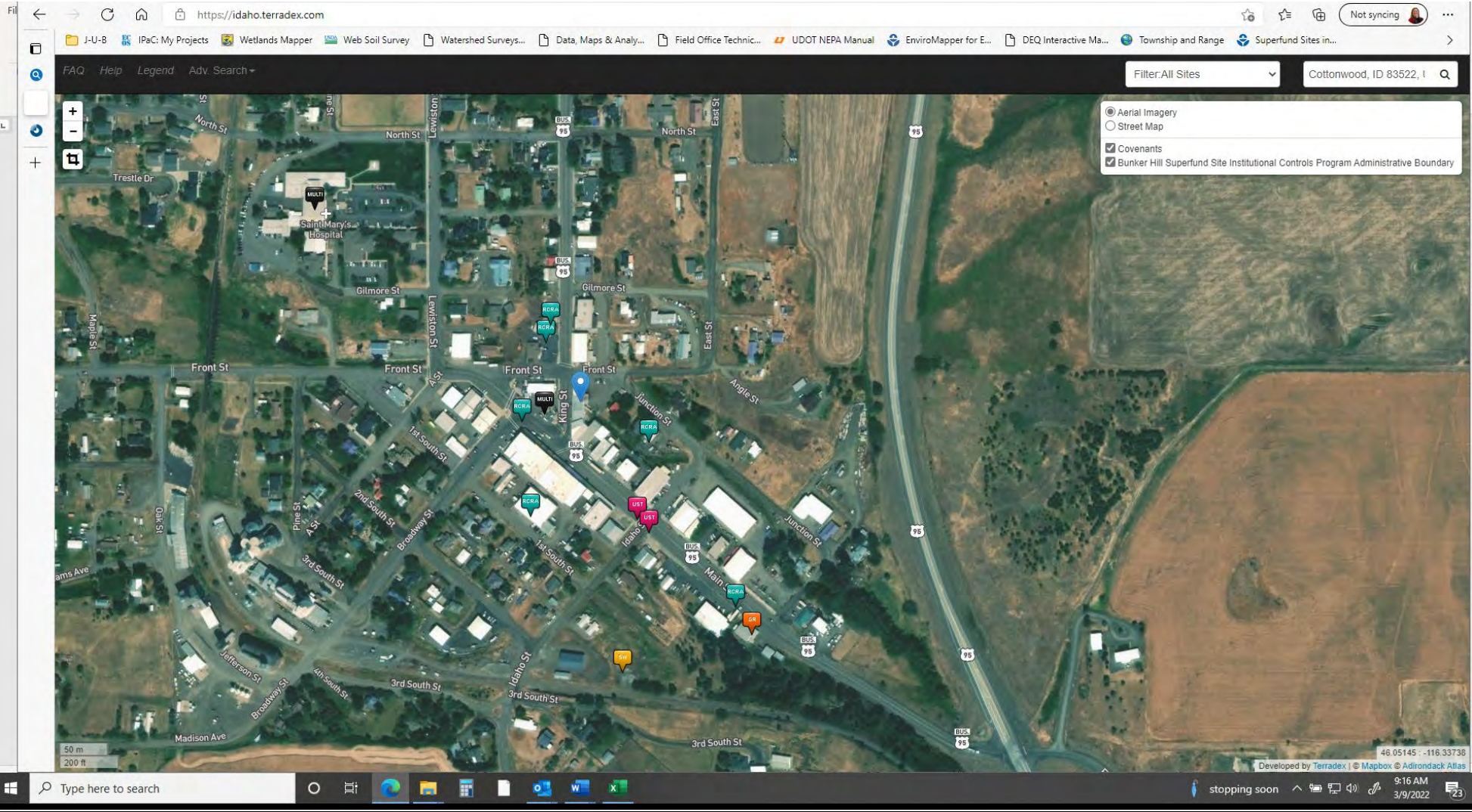




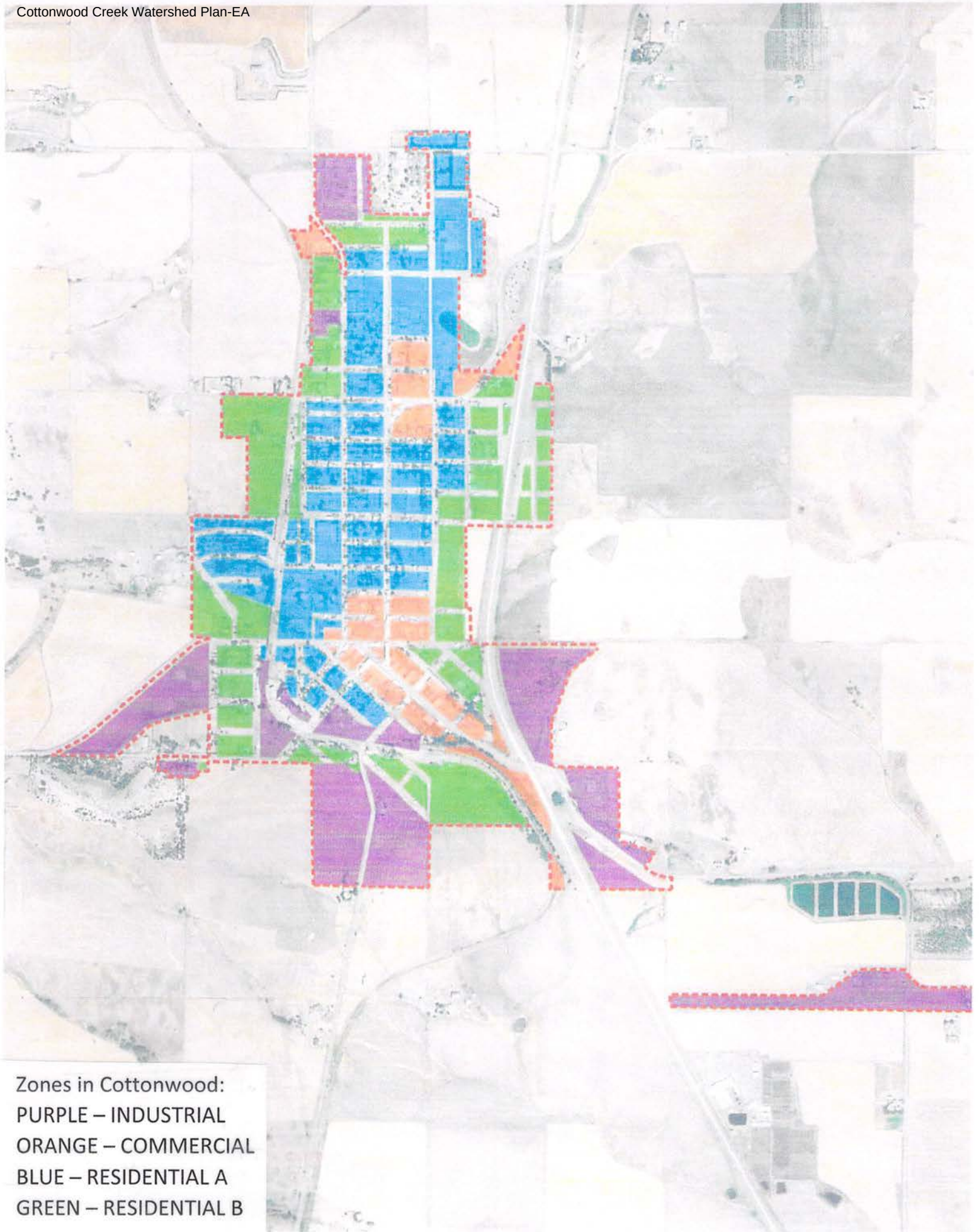


Reference ID	Box Number	Site Name	Area Type	Street	City	County	Latitude	Longitude	All Programs for Site
28620	2013BAZ298	COTTONWOOD ELEMENTARY SCHOOL	Site	907 LEWISTON ST	COTTONWOOD	Idaho	46.051997	-116.352203	Brownfields
28576	2013BAZ342	JOHN JENNY	Site	303 MAIN ST	COTTONWOOD	Idaho	46.04636	-116.34721	General Remediation
7126	2011BAZ4838	TIRE GUY (THE)	Site	501 MAIN ST (KING & MAIN ST)	COTTONWOOD	Idaho	46.048488	-116.350088	Leaking Underground Storage Tanks, RCRA Hazardous Waste Site, Underground Storage Tanks
7027	2011BAZ4464	COYOTES	Site	1306 KING	COTTONWOOD	Idaho	46.05572	-116.34915	Leaking Underground Storage Tanks, Underground Storage Tanks
5075	2011BAZ5860	SEUBERT EXCAVATORS INC	Site	LEWISTON ST & BUTTE RD	COTTONWOOD	Idaho	46.063044	-116.352376	RCRA Hazardous Waste Site
2934	2011BAZ923	BUDS SAW SERVICE	Site	329 MAIN ST	COTTONWOOD	Idaho	46.046627	-116.347434	RCRA Hazardous Waste Site
5702	2011BAZ7097	USWEST COMMUNICATIONS COTTONWOOD	Site	JUNCTION ST	COTTONWOOD	Idaho	46.04822	-116.348638	RCRA Hazardous Waste Site
4032	2011BAZ3589	HOMETOWN AUTO & AG	Site	412 1ST S ST	COTTONWOOD	Idaho	46.0475	-116.350283	RCRA Hazardous Waste Site
3515	2011BAZ2314	FREDS BODY SHOP	Site	507 MAIN ST	COTTONWOOD	Idaho	46.048414	-116.350398	RCRA Hazardous Waste Site
3189	2011BAZ1563	COTTONWOOD CHRONICLE	Site	503 KING ST	COTTONWOOD	Idaho	46.049178	-116.350068	RCRA Hazardous Waste Site
2685	2011BAZ349	ARCHIES CLEANERS	Site	505 KING ST	COTTONWOOD	Idaho	46.049346	-116.350001	RCRA Hazardous Waste Site
7493	2011BAZ6147	ST MARYS HOSPITAL	Site	701 LEWISTON ST	COTTONWOOD	Idaho	46.050457	-116.353269	RCRA Hazardous Waste Site, Underground Storage Tanks
14306	2012BAZ374	RAILROAD MATERIAL SALVAGE OPEN DUMP	Site		COTTONWOOD	Idaho	46.046	-116.349	Solid Waste
3190	2011BAZ1564	COTTONWOOD TEXACO	Site	401 MAIN	COTTONWOOD	Idaho	46.047345	-116.348642	Underground Storage Tanks
5270	2011BAZ6344	TACKE OIL CO	Site	402 MAIN ST	COTTONWOOD	Idaho	46.047474	-116.348797	Underground Storage Tanks





Appendix C6: City of Cottonwood Zoning Map



Zones in Cottonwood:
PURPLE – INDUSTRIAL
ORANGE – COMMERCIAL
BLUE – RESIDENTIAL A
GREEN – RESIDENTIAL B