



## Bigelow Gulch Phase 2, CRP2620 Havana St. to Weile Av.

Spokane County recognizes continued public health concerns therefore we are providing this informational slide show in lieu of an in person open house.

We are moving forward with the construction of Bigelow Gulch 2. Rest assured that the contractors are required to have and follow a COVID-19 safety plan. The safety of the public and our staff is top priority.

If you have further questions, please feel free to contact any of the people that are listed in this presentation or call 509-477-3600



**Project 2**  
\$14,719,000  
Construction 2023

**Project 3A**  
\$3,802,000  
Completed 2005

**Project 4**  
\$12,000,000  
Completed 2019

**Project 4A**  
\$9,684,000  
Completed 2019

**Project 5**  
\$8,700,000  
Completed 2020

**Project 3**  
\$6,926,000  
Completed 2021

**Project 5A**  
\$5,753,000  
Completed 2019

**Project 1**  
\$2,866,000  
Completed 2008

**Project 6**  
\$11,806,000  
Construction 2022

Future 395  
NSC

Argonne Rd.

Sullivan Rd.



# What's Happening on Bigelow Gulch Phase 2 Havana St. to Weile Av.

Reconstruct and re-align Bigelow Gulch Road, from west of Havana to Weile Av. Once complete, this section of roadway will be a 4-lane road with turn pockets.

To complete this project the work includes:

- Widen to a 4 lane road with a turn lane and 8' shoulders.
- Clearing and grubbing 12 acres
- Installing culverts and storm sewer pipe
- Providing Stream Realignment and Installing a 623' of 84" diameter culvert
- 387,000 cubic yards of excavation
- 175,000 cubic yard of roadway compaction
- Guardrail and roadway delineation
- Intersection Improvements and lighting



## Bigelow Gulch Phase 2, CRP2620 Funding

- Surface Transportation Program (STPR)  
Freight Mobility Strategic Investment Board (FMSIB)
- County Review Administration Board (RAP)
- Spokane County Match
- National Highway Freight Program (NHFP)
  
- Project Contract awarded – Scarsella Bros.
- Contract Amount - \$12,796,298.54



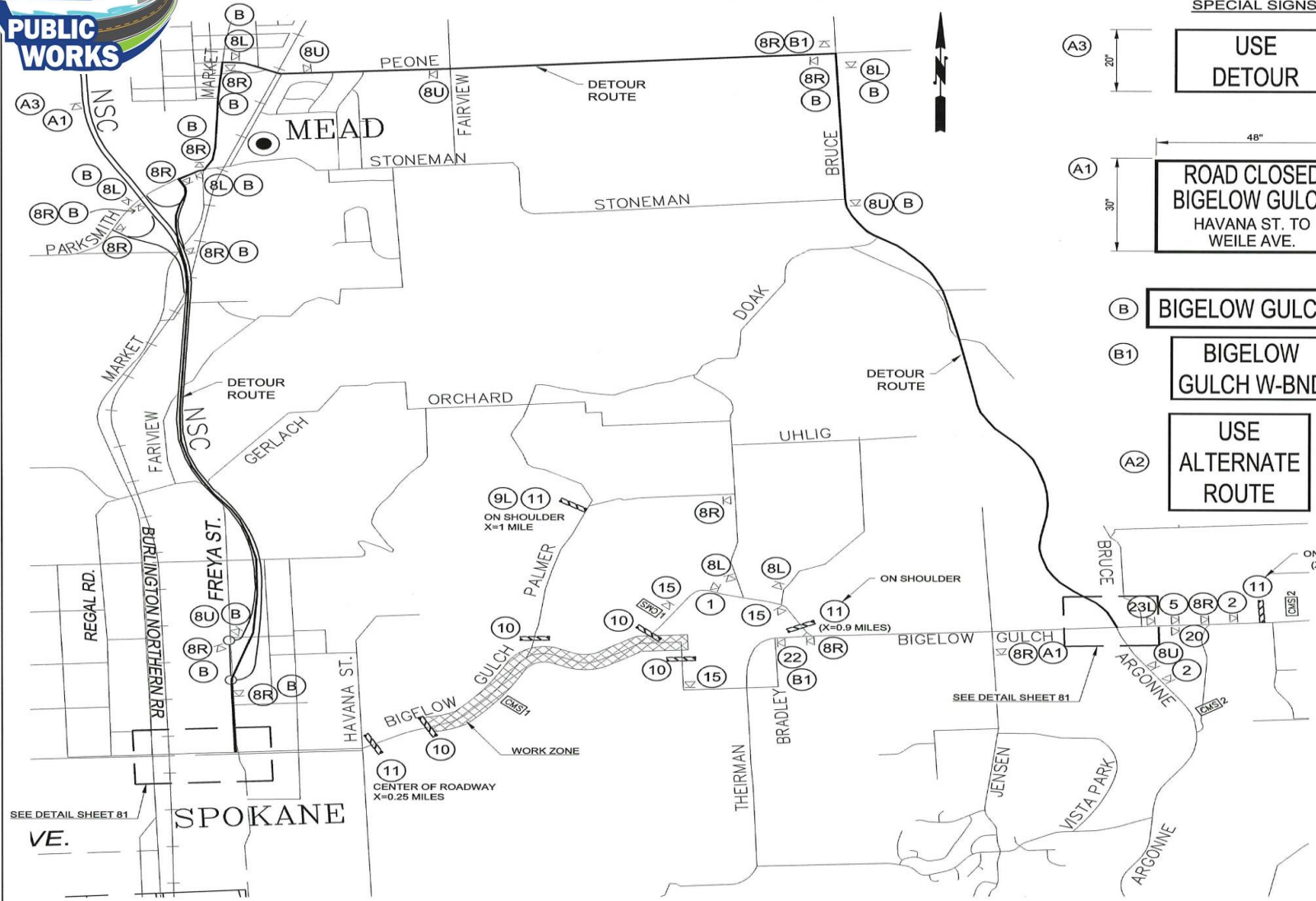
# Bigelow Gulch Phase 2, CRP2620 Traffic Control and Phasing

Construction of this project will be done in 2 phases with varying detour routes to accommodate the traveling public. The following slides show each detour route and the anticipated Phasing in detail. Please use posted detour routes or alternate routes.

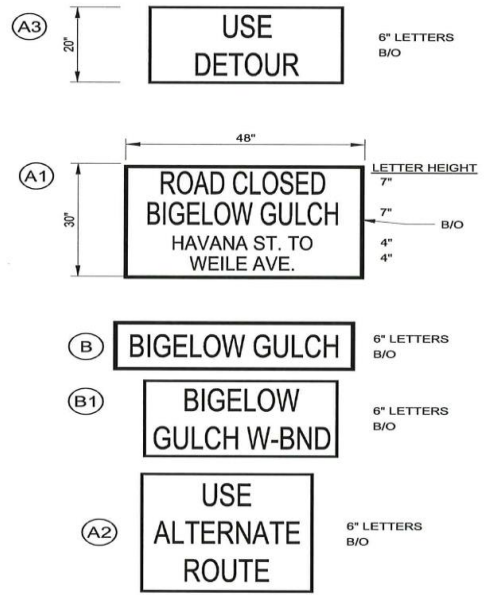
Construction will begin June 2023, the contract allows for **250** working days.



# Traffic Control Plans



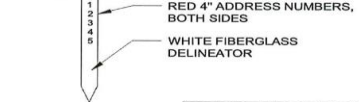
### SPECIAL SIGNS



### PHASE 2A NOTES:

- CONTRACTOR SHALL MAINTAIN ADDRESS MARKERS AT THE END OF EACH DRIVEWAY ALONG THE WORKZONE. THIS MAY BE ACCOMPLISHED BY EITHER RELOCATING EXISTING FIRE DISTRICT ADDRESS MARKERS TO A LOCATION VISIBLE TO PASSING TRAFFIC, OR PROVIDING NEW MARKERS IF FIRE DISTRICT MARKERS ARE NOT PRESENT.
- CONTRACTOR SHALL REQUEST SPOKANE COUNTY TO CONTACT SRTMC FOR PERMANENT VARIABLE SIGN USE ON THE NSC AND ON FRANCIS. ONE WEEK PRIOR TO CLOSURE.
- CONTRACTOR SHALL OBTAIN PERMITS FROM THE FOLLOWING AGENCIES TO INSTALL TRAFFIC CONTROL SIGNAGE SHOWN ON THIS PLAN, ON THEIR ROADS: CITY OF SPOKANE, WSDOT.

### ADDRESS MARKER (NOTE 1)



### CHANNELIZATION DEVICE SPACING (FEET)

MPH	TAPER	TANGENT
50 / 65	10 TO 20	80
35 / 45	10 TO 20	60
25 / 30	10 TO 20	40

### TYPICAL DETAIL NOTES:

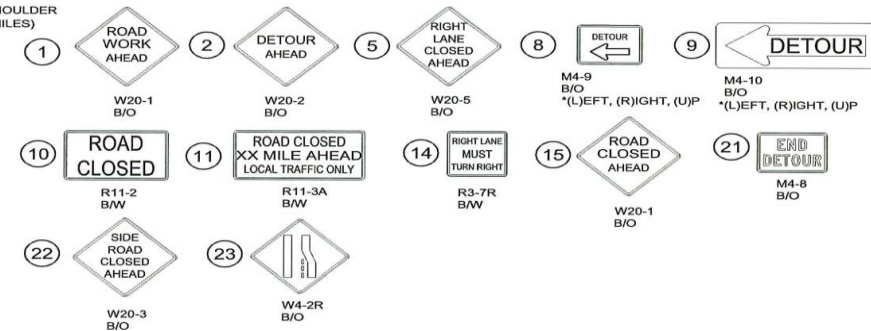
SIGN SPACING = X		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
URBAN ARTERIALS	35 / 40 MPH	350' ±
URBAN STREETS, RESIDENTIAL AREAS & BUSINESS DISTRICTS	25 / 30 MPH	200' ±

ALL SIGNS ARE BLACK ON FLORESCENT ORANGE (TYPE X SHEETING), UNLESS OTHERWISE DESIGNATED.

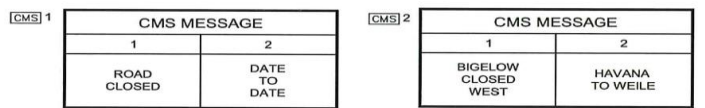
### LEGEND

- ◀ [CMS] TEMPORARY SIGN LOCATION
- [CMS] CHANGEABLE MESSAGE SIGN
- [X] TYPE 3 BARRICADE(S)
- [Hatched Box] WORK ZONE AREA
- DETOUR ROUTE

### SIGNS:



### PORTABLE CHANGEABLE MESSAGE SIGN



INSTALL FOR 10 DAYS PRIOR TO CLOSURE THEN RELOCATE TO CMS2 LOCATION

### TRAFFIC CONTROL PLAN: PHASE 2A

NO	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

RAP NO. 3208-01		
REGION NO.	STATE	FED. AID PROJECT NO.
18	WA	BT(19)M20(002)
DRAWN BY:	CH	8-22
DESIGNED BY:	HD	8-22
CHECKED BY:	NT	3-23

Spokane County Department of Public Works  
1026 West Broadway Avenue,  
Spokane, WA 99200-0170  
(509) 477-3600

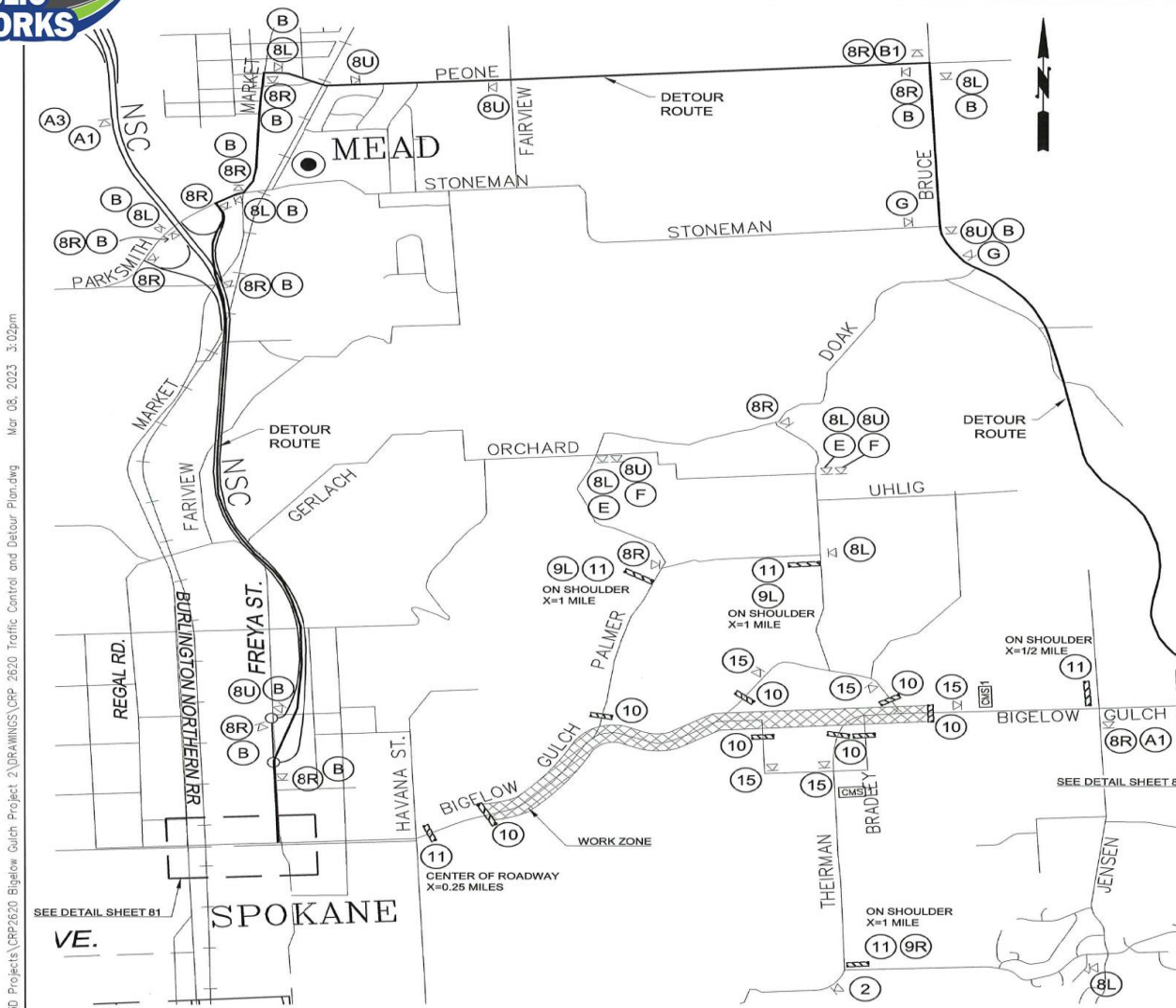
APPROVED  
TRAFFIC ENGINEER  
Date: 3-9-23

COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
TRAFFIC CONTROL PLAN PHASE 2A

I:\\_Civil\_3D Projects\CRP2620 Bigelow Gulch Project\_2\DRAWINGS\CRP 2620 Traffic Control and Detour Plan.dwg Mar 08, 2023 3:00pm



# Traffic Control Plans



**TRAFFIC CONTROL PLAN: PHASE 2B/3**

**SPECIAL SIGNS**

**A1** ROAD CLOSED BIGELOW GULCH HAVANA ST. TO WEILE AVE. (48" x 30", LETTER HEIGHT 7", 7" B/O, 4", 4")

**A3** USE DETOUR (20" x 12", 6" LETTERS B/O)

**B** BIGELOW GULCH (6" LETTERS B/O)

**B1** BIGELOW GULCH W-BND (6" LETTERS B/O)

**E** TO FREYA (6" LETTERS B/O)

**F** TO ARGONNE (6" LETTERS B/O)

**ADDRESS MARKER (NOTE 1)**: RED 4" ADDRESS NUMBERS, BOTH SIDES; WHITE FIBERGLASS DELINEATOR

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50 / 65	10 TO 20	80
35 / 45	10 TO 20	60
25 / 30	10 TO 20	40

**TYPICAL DETAIL NOTES:**  
SIGN SPACING = X

ROAD TYPE	SPACING	OFFSET
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
URBAN ARTERIALS	35 / 40 MPH	350' ±
URBAN STREETS, RESIDENTIAL AREAS & BUSINESS DISTRICTS	25 / 30 MPH	200' ±

**LEGEND**

- Temporary Sign Location
- Changeable Message Sign
- Type 3 Barricade(S)
- Work Zone Area
- Detour Route

**SIGNS:**

- 1 ROAD WORK AHEAD (W20-1 B/O)
- 2 DETOUR AHEAD (W20-2 B/O)
- 5 RIGHT LANE CLOSED AHEAD (W20-5 B/O)
- 8 DETOUR (M4-9 B/O)
- 9 DETOUR (M4-10 B/O)
- 10 ROAD CLOSED (R11-2 B/W)
- 11 ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY (R11-3A B/W)
- 14 RIGHT LANE MUST TURN RIGHT (R3-7R B/W)
- 15 ROAD CLOSED AHEAD (W20-1 B/O)
- 20 LEFT LANE MUST TURN LEFT (R3-7L B/O)
- 21 END DETOUR (M4-8 B/O)
- 22 SIDE ROAD CLOSED AHEAD (W20-3 B/O)
- 23 (W4-2R B/O)

**PORTABLE CHANGEABLE MESSAGE SIGN**

CMS MESSAGE		CMS MESSAGE	
1	2	1	2
ROAD CLOSED	DATE TO DATE	BIGELOW CLOSED WEST	HAVANA TO JENSEN

INSTALL FOR 10 DAYS PRIOR TO CLOSURE THEN REMOVE

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NO.	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

REGION NO.	STATE	FED. AID PROJECT NO.
10	WASH.	STP(R)-M332(002)
DRAWN BY:	CH	8-22
DESIGNED BY:	HD	8-22
CHECKED BY:	NT	3-23

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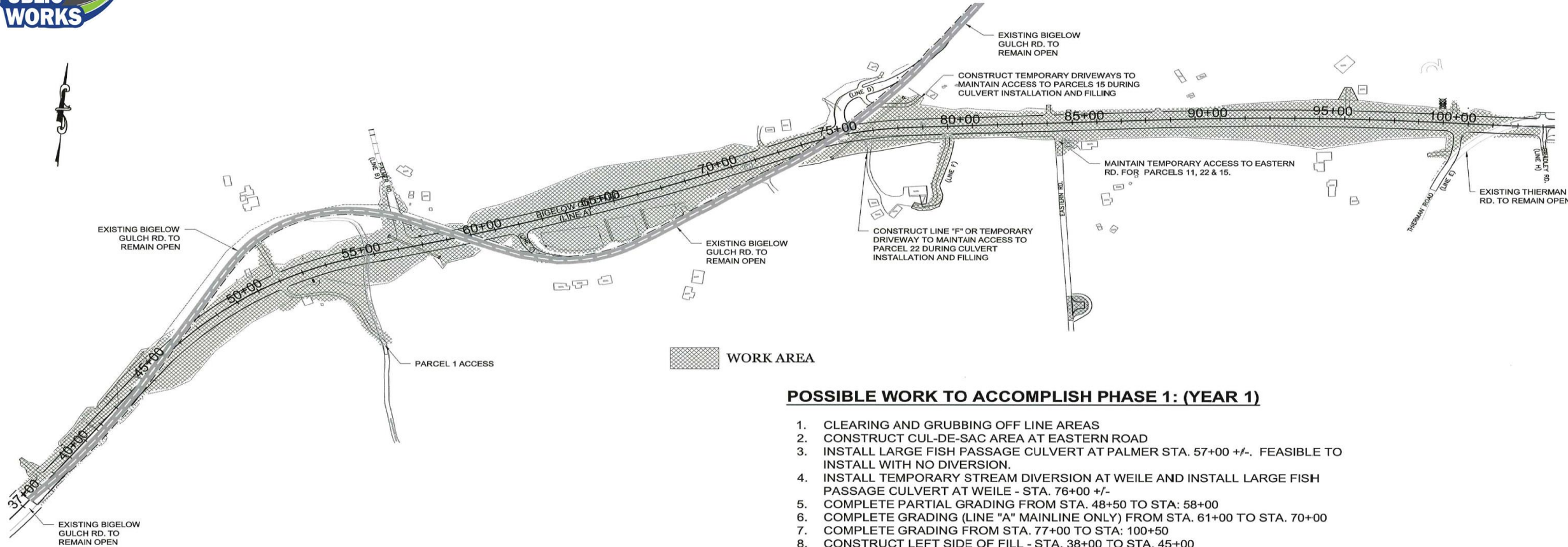
APPROVED  
TRAFFIC ENGINEER  
Date: 3-9-23

COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
TRAFFIC CONTROL PLAN PHASE 2B/3



# PHASE 1 CONSTRUCTION

BIGELOW GULCH, PALMER, THIEMAN, REMAIN OPEN; WEILE AND EASTERN ROADS CLOSED



## POSSIBLE WORK TO ACCOMPLISH PHASE 1: (YEAR 1)

1. CLEARING AND GRUBBING OFF LINE AREAS
2. CONSTRUCT CUL-DE-SAC AREA AT EASTERN ROAD
3. INSTALL LARGE FISH PASSAGE CULVERT AT PALMER STA. 57+00 +/- FEASIBLE TO INSTALL WITH NO DIVERSION.
4. INSTALL TEMPORARY STREAM DIVERSION AT WEILE AND INSTALL LARGE FISH PASSAGE CULVERT AT WEILE - STA. 76+00 +/-
5. COMPLETE PARTIAL GRADING FROM STA. 48+50 TO STA: 58+00
6. COMPLETE GRADING (LINE "A" MAINLINE ONLY) FROM STA. 61+00 TO STA. 70+00
7. COMPLETE GRADING FROM STA. 77+00 TO STA: 100+50
8. CONSTRUCT LEFT SIDE OF FILL - STA. 38+00 TO STA. 45+00
9. CONSTRUCT ACCESS ROAD ON PARCEL 1 FOR ACCESS TO THE SOUTH
10. CONSTRUCT LINE "F"
11. CEMENT TREATED BASE, CRUSHED SURFACING, BASE LIFT PAVING 48+50 TO 58+00, 77+00 TO 100+50.
12. DITCH ARMORING, CHECK DAMS, COMPOST, TOPSOIL, WATTLES AND SEEDING, FERTILIZING AND MULCHING ALL DITCHES AND SLOPES THAT CAN BE COMPLETED OFFLINE.

### NOTE:

1. ORDER OF WORK LISTED IS GENERAL AND DOES NOT IMPLY A LINEAR PATH TO ACCOMPLISH THE WORK, NOR IS IT ALL INCLUSIVE OF ALL WORK THAT MAY BE COMPLETED.
2. THE CONTRACTOR SHALL COMPLETE AS MUCH WORK AS FEASIBLE IN PHASE 1, (YEAR 1). WORK FROM PHASE 2 MAY BE ADVANCED TO PHASE 1.

i:\Civil\_3D\Projects\CRP2620 Bigelow Gulch Project 2\DRAWINGS\CRP\_2620 Suggested Construction Phasing.dwg Mar 09, 2023 7:54am

NO	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

RAP NO. 3298-01		
REGION NO.	STATE	FED. AID PROJECT NO.
08	WASH.	STPWA 4632(002)
DRAWN BY:	JB	2/19
DESIGNED BY:	JB/TSJS	2/19
CHECKED BY:	JS	10/22



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APPROVED:  
PLANS & CONTRACT  
ENGINEER  
Date: 3-13-23



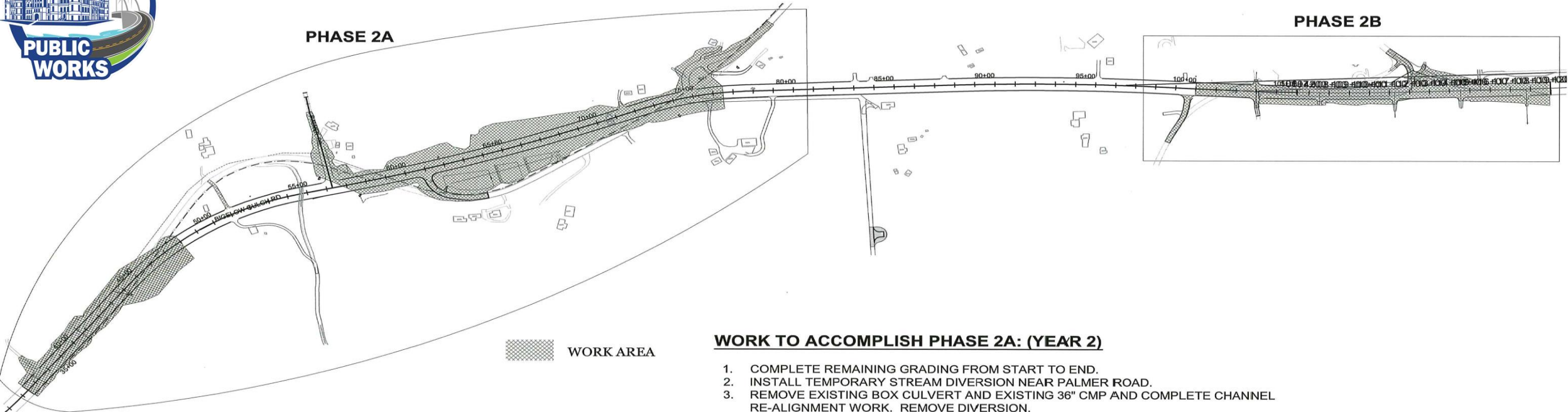
COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
SUGGESTED CONSTRUCTION PHASING PLAN





# PHASE 2 CONSTRUCTION

BIGELOW GULCH, PALMER ROADS ARE CLOSED FOR ALL OF PHASE 2  
 THIERMAN AND WEILE ROADS CLOSED FOR PHASE 2B



WORK AREA

### WORK TO ACCOMPLISH PHASE 2A: (YEAR 2)

1. COMPLETE REMAINING GRADING FROM START TO END.
2. INSTALL TEMPORARY STREAM DIVERSION NEAR PALMER ROAD.
3. REMOVE EXISTING BOX CULVERT AND EXISTING 36" CMP AND COMPLETE CHANNEL RE-ALIGNMENT WORK. REMOVE DIVERSION.
4. COMPLETE ALL REMAINING WORK ON CRITICAL PATH OF OPENING ROAD TO TRAFFIC.

### WORK TO ACCOMPLISH PHASE 2B: (YEAR 2)

1. CLOSE ENTIRE LENGTH OF PROJECT.
2. COMPLETE WEILE THIERMAN CONNECTIONS
3. COMPLETE ALL REMAINING WORK ON CRITICAL PATH TO OPENING ROAD TO TRAFFIC.

### NOTE:

1. ORDER OF WORK LISTED IS GENERAL AND DOES NOT IMPLY A LINEAR PATH TO ACCOMPLISH THE WORK, NOR IS IT ALL INCLUSIVE OF ALL WORK THAT MAY BE COMPLETED.
2. WORK IN PHASE 2A & B SHALL ONLY CONSIST OF WORK THAT CANNOT REASONABLY BE COMPLETED IN PHASE 1 AS DETERMINED BY THE ENGINEER. THE INTENT IS TO MINIMIZE THE LENGTH OF FULL CLOSURE.
3. THE INTENT IS TO KEEP WEILE AND THIERMAN ROADS OPEN TO TRAFFIC UNTIL THE WORK IN 2B BECOMES THE CRITICAL PATH TO OPENING THE ROAD TO TRAFFIC.

NO.	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

REGION NO.	STATE	RAP NO. 3299-001
10	WASH.	FED. AID PROJECT NO.
		STP(R)-M320(002)
DRAWN BY:	JB	2/19
DESIGNED BY:	JB/TJS/JS	2/19
CHECKED BY:	JS	10/22



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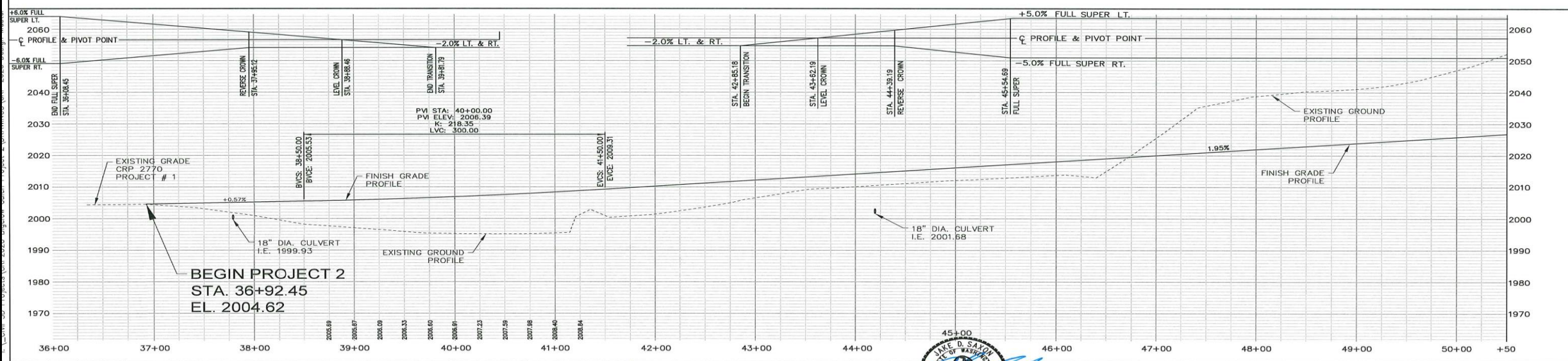
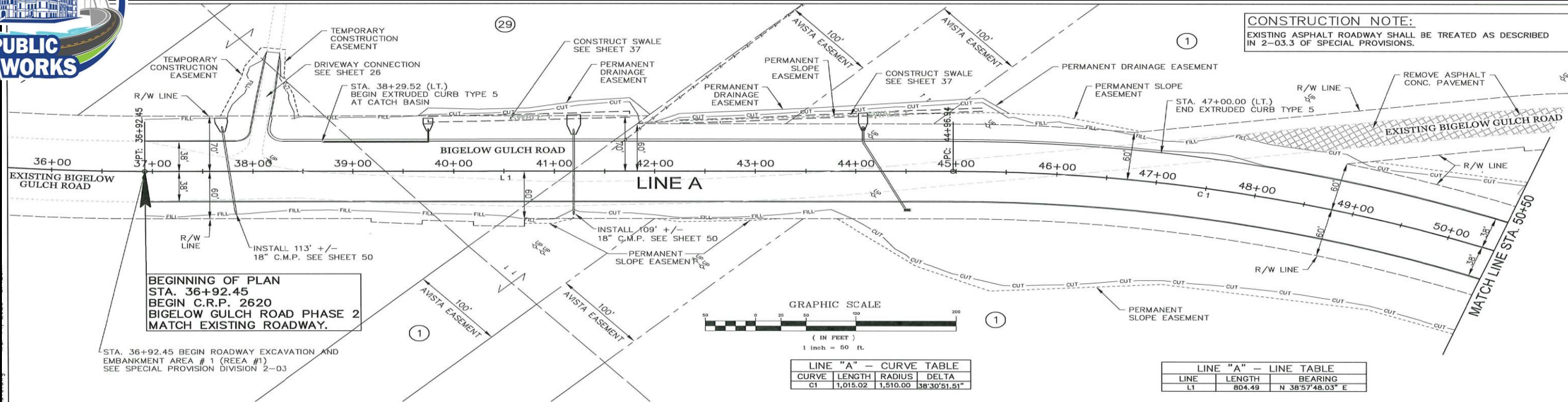
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 PLANS & CONTRACT ENGINEER  
 DATE: 3-13-23



COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
 FROM STA. 36+92.45 TO STA. 103+46.95  
 SUGGESTED CONSTRUCTION PHASING PLAN



# Plan View and Profile – West End



NO	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

REGION NO.	STATE	FED. AID PROJECT NO.
10	WASH.	STP(W) 4320(000)

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1026 West Broadway Avenue,  
Spokane WA 99260-0170  
(509) 477-3600

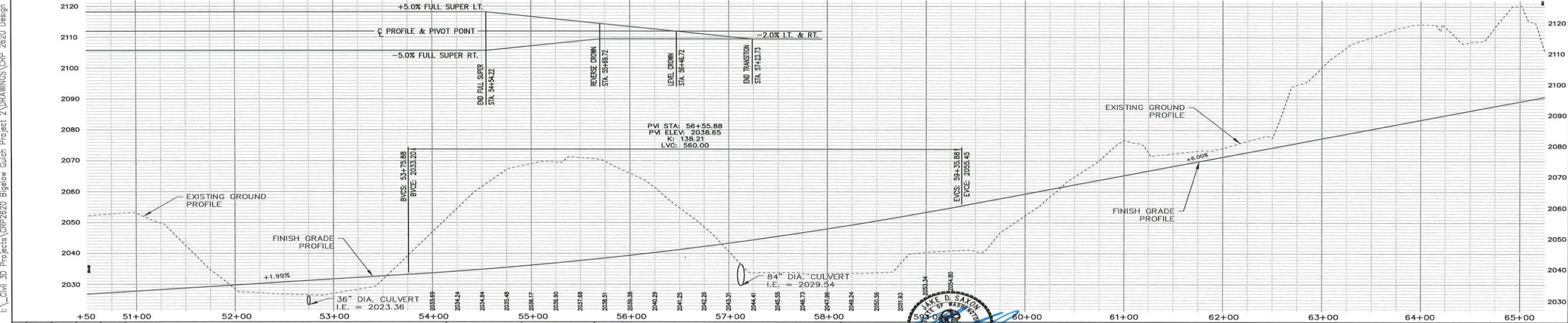
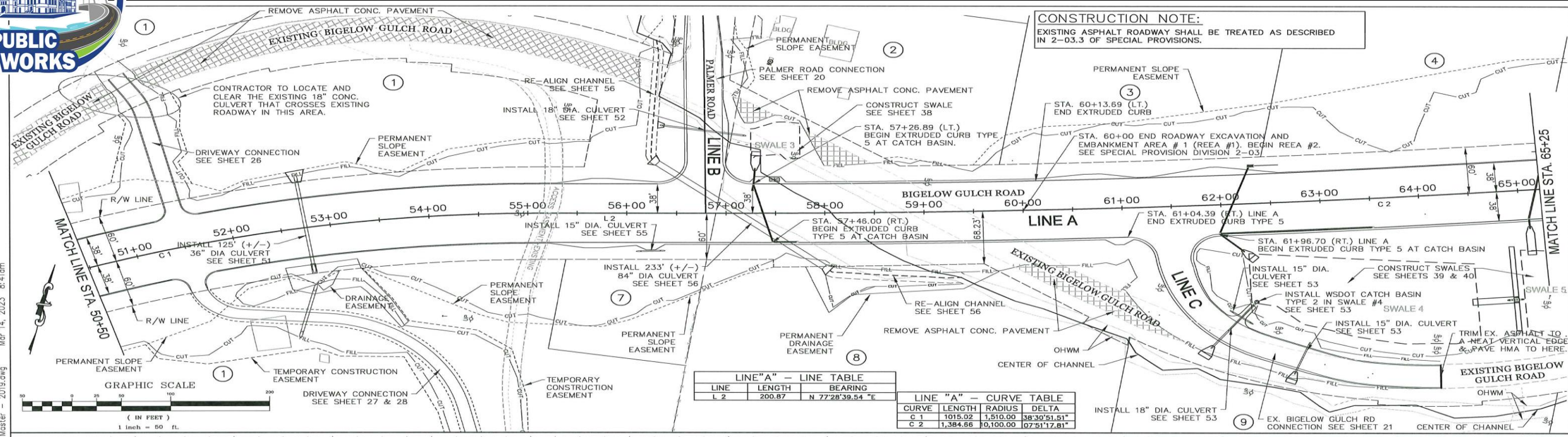
APPROVED  
PLANS & CONTRACT  
ENGINEER  
Date: 3-14-23



COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
PLAN & PROFILE



# Plan View and Profile – Middle of Project

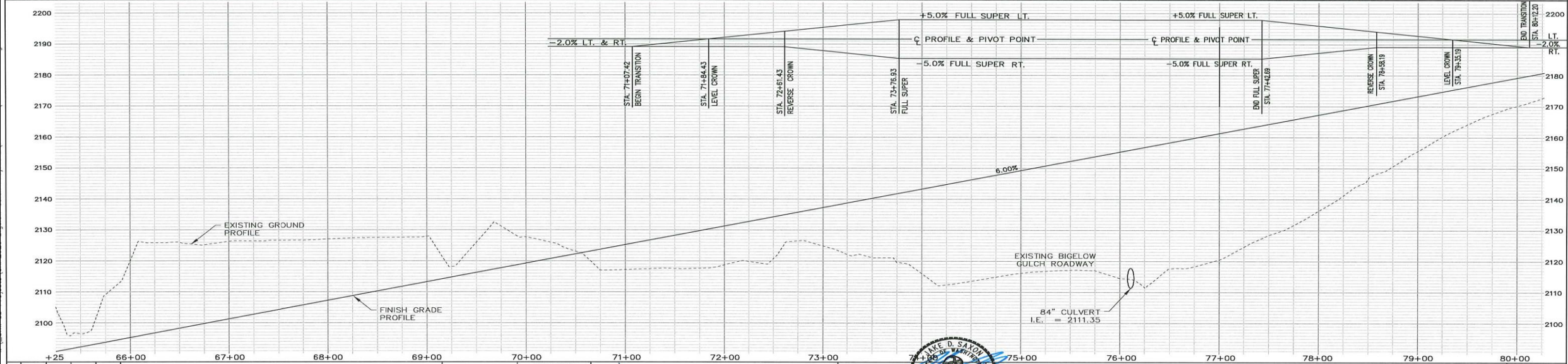
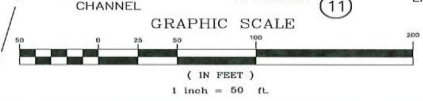
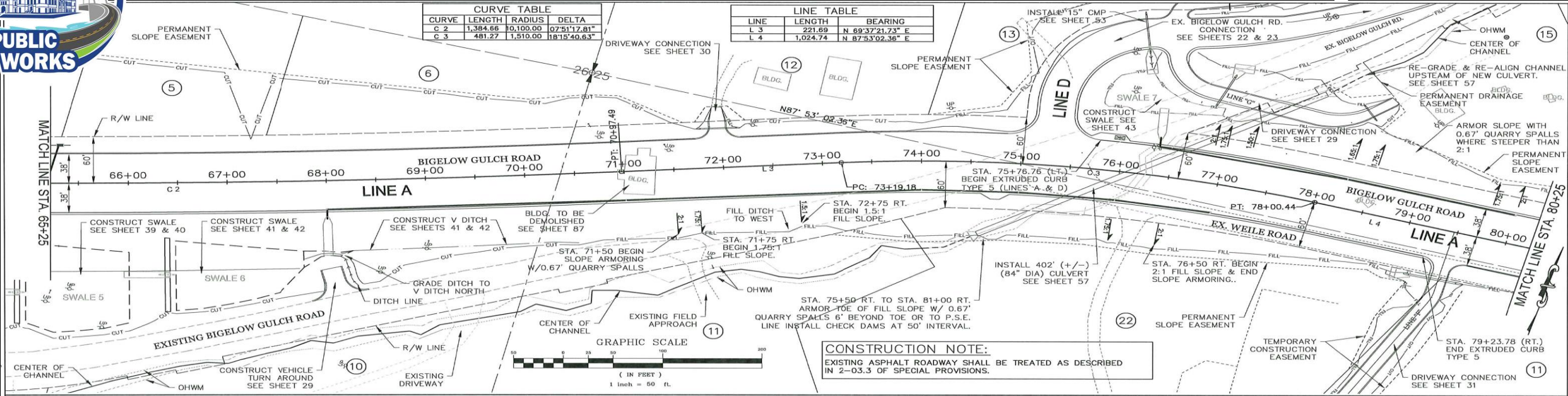




# Plan View and Profile – Middle of Project

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C 2	1,384.66	10,100.00	07°51'17.81"
C 3	481.27	1,510.00	18°19'40.63"

LINE TABLE		
LINE	LENGTH	BEARING
L 3	221.69	N 69°37'21.73" E
L 4	1,024.74	N 87°53'02.36" E



NO.	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

REGION NO.	STATE	FED. AID PROJECT NO.
10	WASH.	51P(R)-M320(062)

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(509) 477-3600

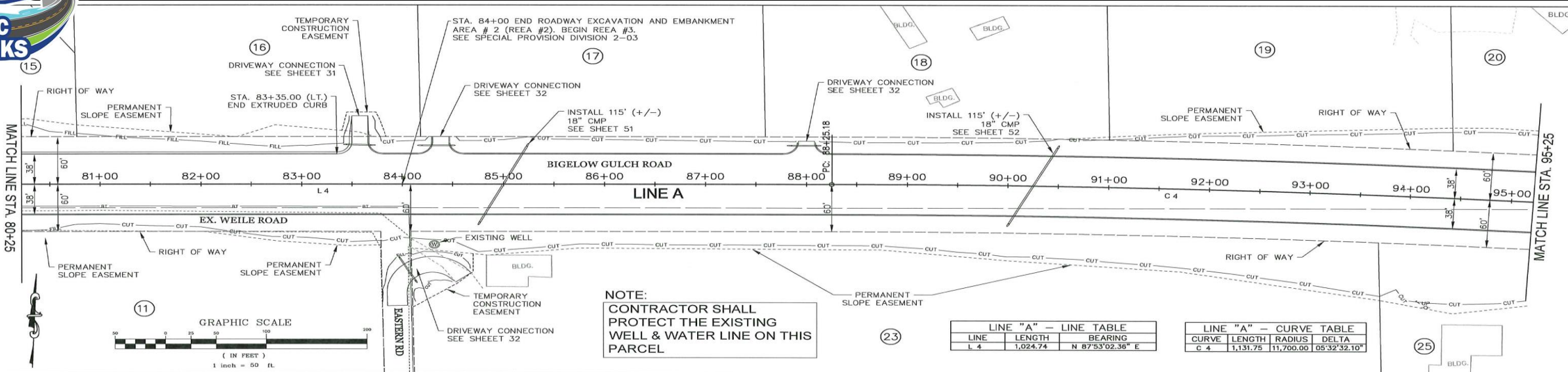
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PLANS & CONTRACT ENGINEER  
DATE: 5-14-23



COUNTY ROAD PROJECT No. 2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
PLAN & PROFILE



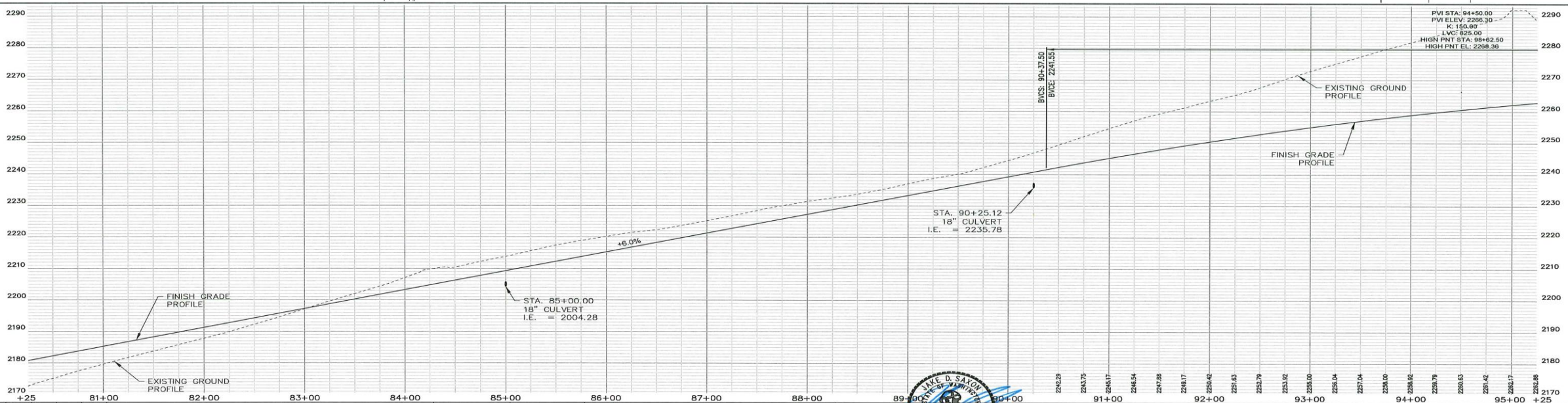
# Plan View and Profile – Middle of Project



**NOTE:**  
CONTRACTOR SHALL PROTECT THE EXISTING WELL & WATER LINE ON THIS PARCEL

LINE "A" - LINE TABLE		
LINE	LENGTH	BEARING
L 4	1,024.74	N 87°53'02.36" E

LINE "A" - CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C 4	1,131.75	11,700.00	05°32'52.10"



NO	DATE	BY	CHKD	APPR	REVISION DESCRIPTION

REGION NO.	STATE	FED. AID PROJECT NO.
10	WASH.	5TPR043302003

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Spokane WA 99260-0170  
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PLANS & CONTRACT ENGINEER  
Date: 3-13-23



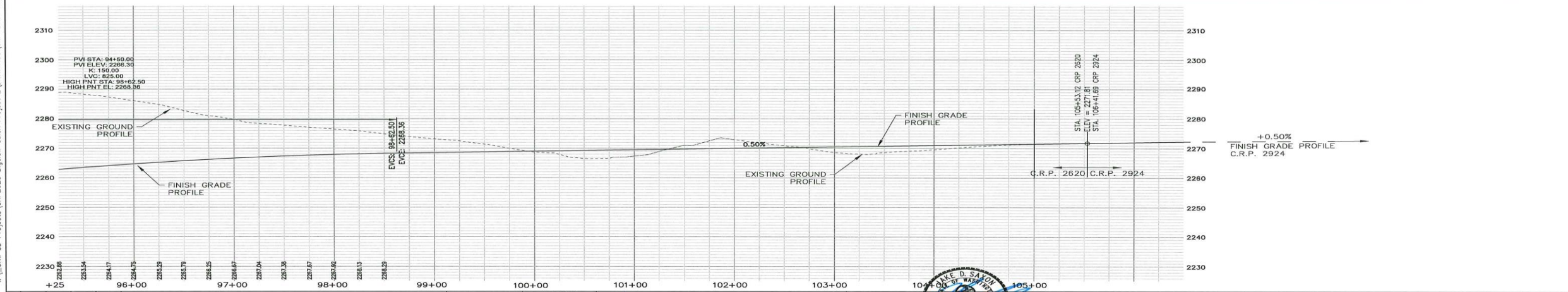
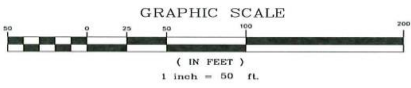
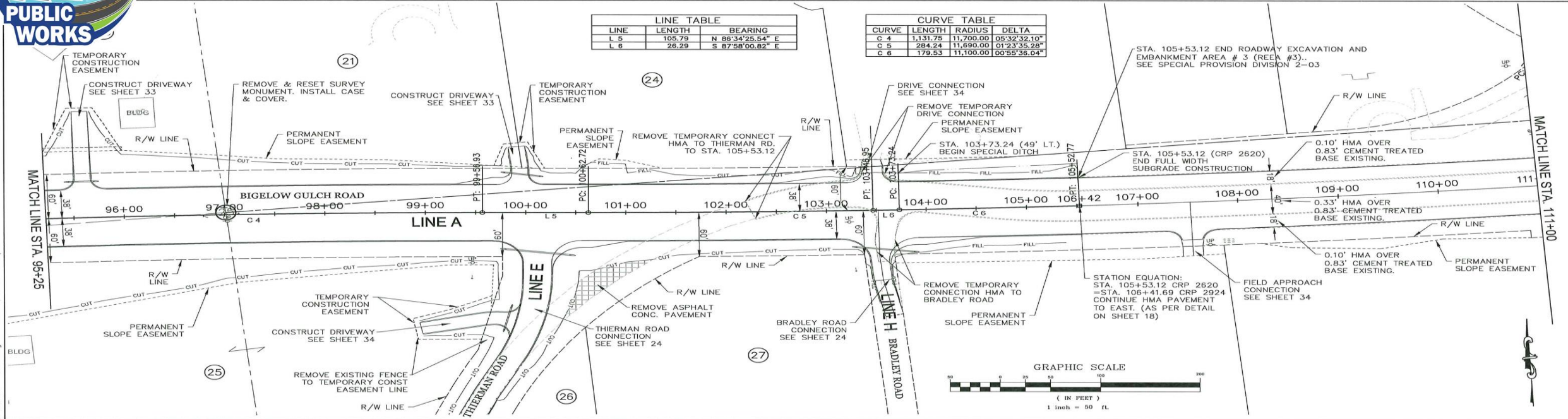
COUNTY ROAD PROJECT No. 2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
PLAN & PROFILE



# Plan View and Profile – East End

LINE TABLE		
LINE	LENGTH	BEARING
L 5	105.79	N 86°34'25.54" E
L 6	26.29	S 87°58'00.82" E

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C 4	1,131.75	11,700.00	05°32'32.10"
C 5	284.24	11,690.00	01°23'35.26"
C 6	179.53	11,100.00	00°55'36.04"



NO	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

REGION NO.	STATE	FED. AID PROJECT NO.
DRAWN BY:	JLB	2/19
DESIGNED BY:	JMT/SJS	2/19
CHECKED BY:	JS	9/22

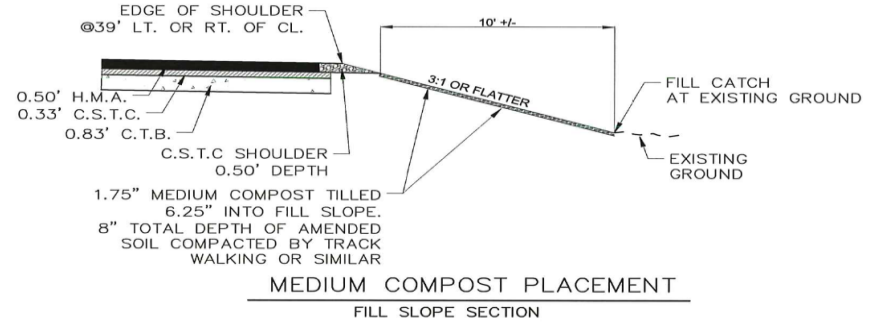
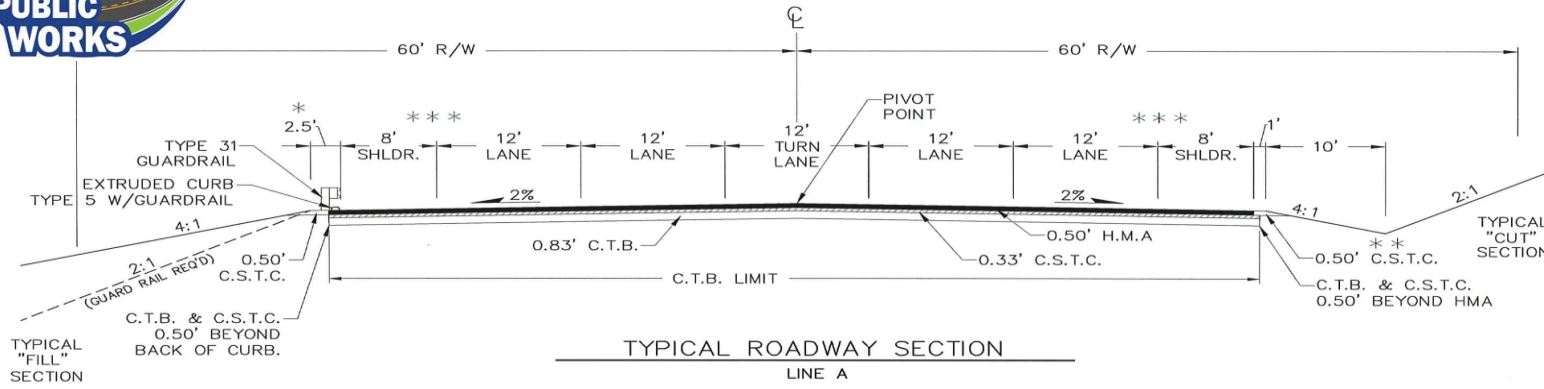
Spokane County Department of Public Works  
 1026 West Broadway Avenue,  
 Spokane, WA 99204-0170  
 (509) 477-3600

APPROVED:   
 PLANS & CONTRACT ENGINEER  
 Date: 2-13-23

COUNTY ROAD PROJECT No. 2620  
**BIGELOW GULCH ROAD**  
 FROM STA. 36+92.45 TO STA. 103+46.95  
 PLAN & PROFILE



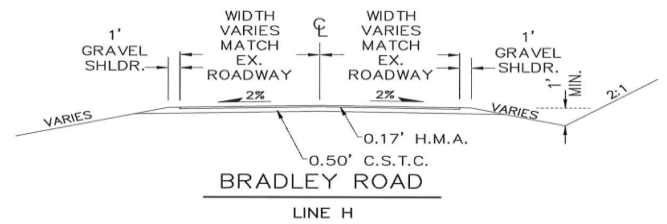
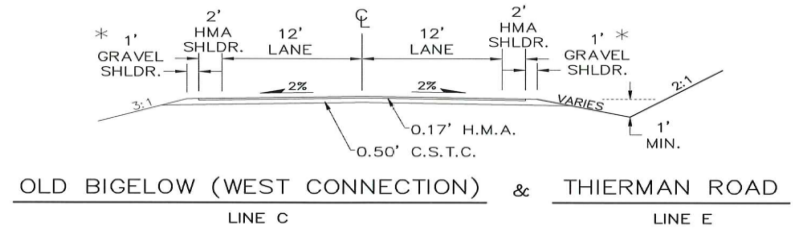
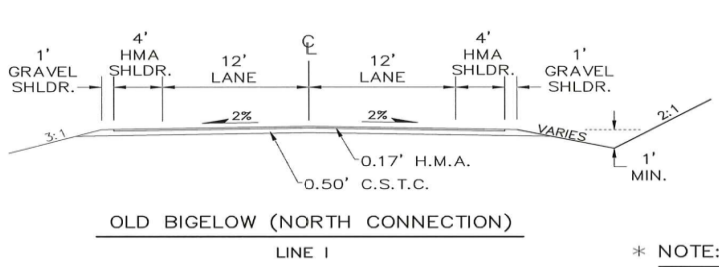
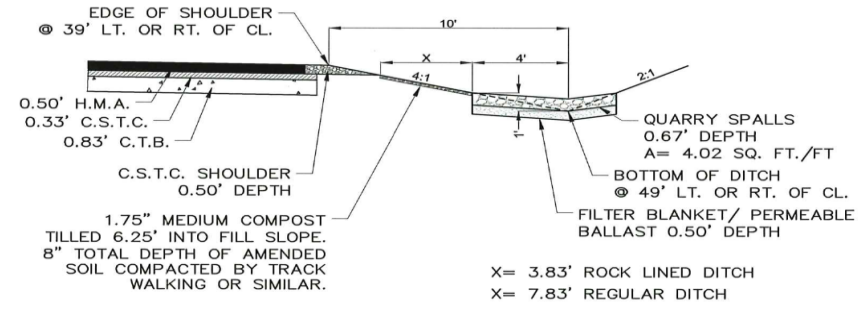
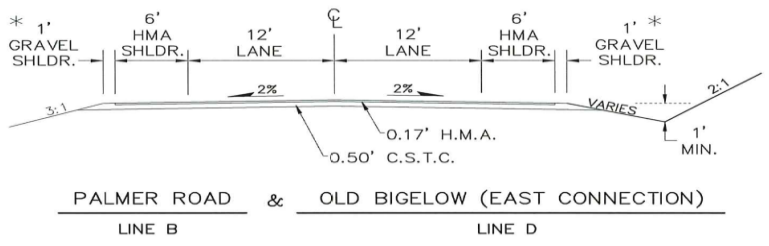
# Typical Roadway Section



\* NOTE:  
SHOULDER WIDENING & GUARDRAIL TO BE PLACED WHERE SHOWN ON PLANS (SEE DETAIL NEXT SHEET)

\*\* NOTE:  
DITCHES SHALL HAVE CHECK DAMS PLACED THROUGHOUT THEIR LENGTH AS PER TABLE FOUND ON DETAIL SHEET 4

\*\*\* NOTE:  
HIGH SIDE SHOULDER OF SUPER ELEVATED ROADWAY SHALL NOT BE SUPER ELEVATED. THE OUTSIDE LANE WIDTH SHALL BE 13' & THE SHOULDER WIDTH SHALL BE 7'



\* NOTE:  
SHOULDER WIDENING & GUARDRAIL TO BE PLACED WHERE SHOWN ON PLANS

NO	DATE	BY	CKD.	APPR.	REVISION DESCRIPTION

REGION NO.	STATE	FED. AID PROJECT NO.	STP (R) M320(002)
10	WASH.		



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1026 West Broadway Avenue,  
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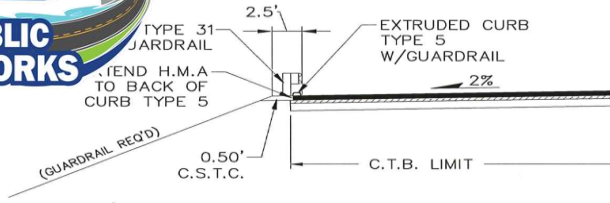
APPROVED: [Signature]  
PLANS & CONTRACT ENGINEER  
DATE: 3-7-23



COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
TYPICAL DRIVEWAY SECTIONS, ROCK LINED DITCHES & MEDIUM COMPOST PLACEMENT

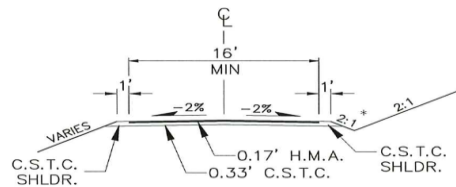
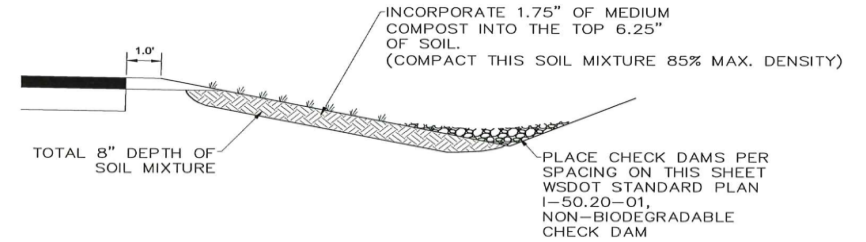


# Typical Driveway Section



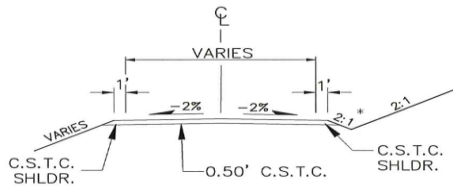
NOTE:  
CTB & CSTC 0.5' BEYOND EDGE OF PAVEMENT, OR CURB.

GUARDRAIL WIDENING / EXTRUDED CURB & HMA EXTEND



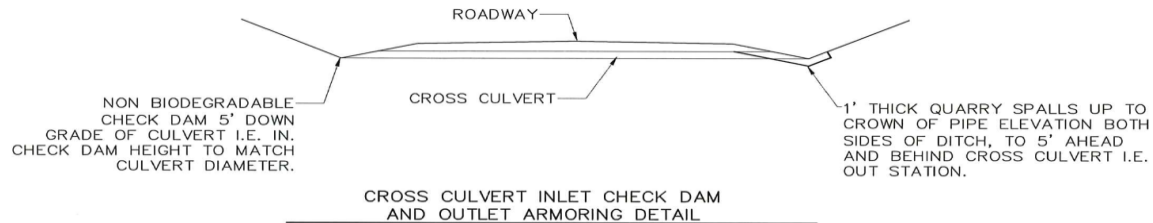
\* 1FT. DITCH DEPTH MIN.

TYPICAL DRIVEWAY CONNECTION  
(HMA SECTION)



\* 1FT. DITCH DEPTH MIN.

TYPICAL DRIVEWAY APPROACH  
(GRAVEL SECTION)



CHECK DAM AND ROCK LINED DITCH LOCATIONS	
DITCH SHALL BE ROCK LINED AND CHECK DAMS SHALL BE PLACED EVERY 25' IN THE FOLLOWING LOCATIONS	
STA: 53+00 TO 57+50	RIGHT DITCH
STA: 81+00 TO 94+50	RIGHT DITCH
STA: 59+50 TO 74+00	LEFT DITCH
STA: 83+25 TO 94+50	LEFT DITCH
CHECK DAMS SHALL BE PLACED EVERY 50' IN THE FOLLOWING LOCATIONS	
STA: 41+25 TO 51+00	RIGHT DITCH
STA: 48+25 TO 51+75	LEFT DITCH
STA: 53+75 TO 56+33	LEFT DITCH

NO.	DATE	BY	CHKD.	APPR.	REVISION DESCRIPTION

RFP NO. 3298-01		
REGION NO.	STATE	FED. AID PROJECT NO.
10	WASH.	STP(03-M330)(002)
DRAWN BY:	JJB	05/19
DESIGNED BY:	JBT/BJB	07/18
CHECKED BY:	JS	02/23



Spokane County Department of Public Works  
1026 West Broadway Avenue,  
Spokane WA 99260-0170  
(509) 477-3600

APPROVED:  
PLANS & CONTRACT  
ENGINEER  
Date: 3-7-23



COUNTY ROAD PROJECT No.2620  
**BIGELOW GULCH ROAD**  
FROM STA. 36+92.45 TO STA. 103+46.95  
TYPICAL DRIVEWAY SECTIONS & CHECK DAMS





Spokane County Contacts

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Cami Burger  
Spokane County Lead Inspector  
[cburger@spokanecounty.org](mailto:cburger@spokanecounty.org)

Mick Flugel is a great resource for this project. Becky Spangle is the next person for some project procedural problems. Cami Burger is the resource for day-to-day field operations.



# Thank You

If you should have any questions or concerns, please feel free to contact me.

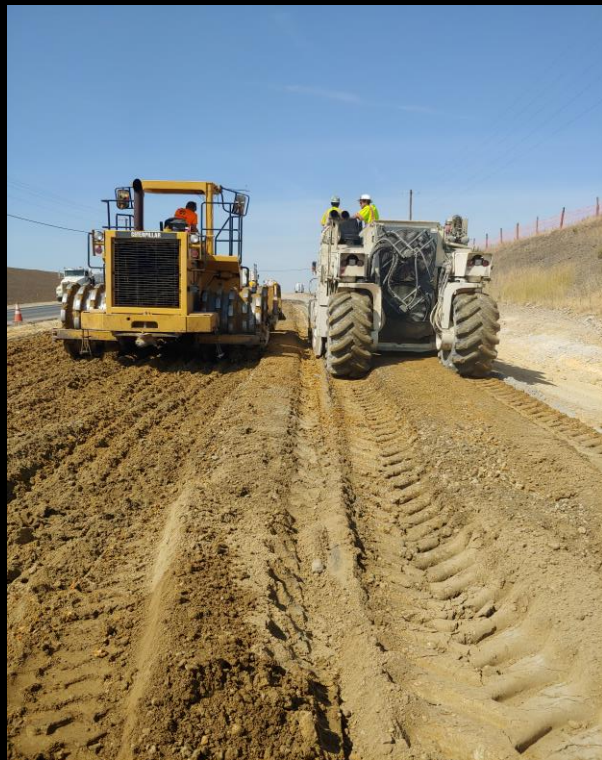
509-477-7190

509-991-9335

Mick Flugel Project Manager

# Past Project- Bigelow 3





Past Project- Bigelow Gulch 4

Past Project- Bigelow 4A



# Past Project- Bigelow 5





Past Project- Bigelow Gulch Project 5A





Past Project- Bigelow Gulch Project 6