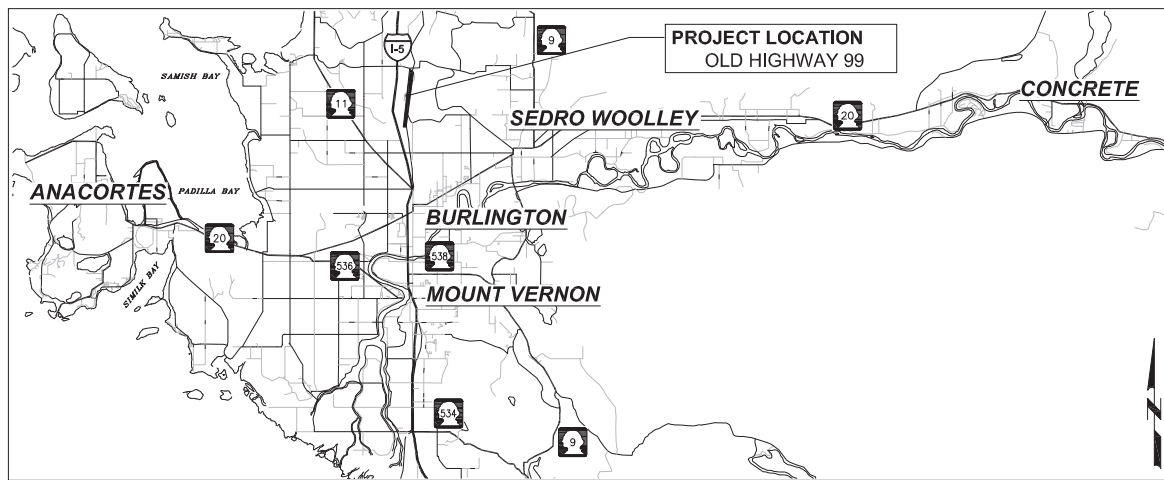


2021 HMA OVERLAY PROJECT OLD HIGHWAY 99

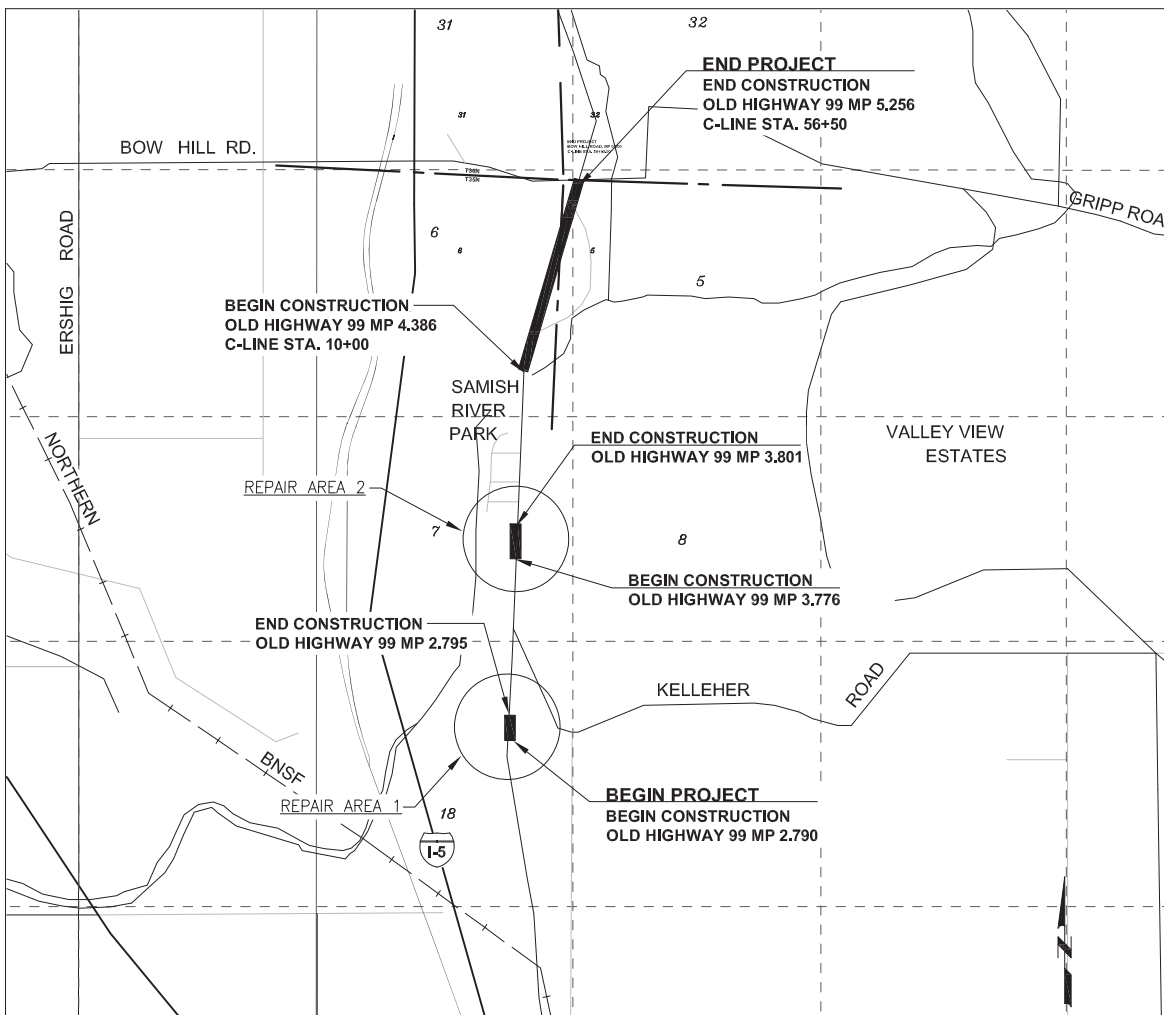
ESHMA21-1

VICINITY MAP



NTS

OLD HIGHWAY 99 SITE MAP



NTS



SKAGIT COUNTY OFFICIALS

- BOARD OF COMMISSIONERS
- LISA JANICKI, CHAIR
 - PETER BROWNING, COMMISSIONER
 - RON WESEN, COMMISSIONER
- PUBLIC WORKS
- DAN BERENTSON, DIRECTOR

Paul A. Randall-Grutter 6.14.21
 PAUL A. RANDALL-GRUTTER, P.E., COUNTY ENGINEER DATE

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	LEGEND, ABBREVIATIONS AND NOTES
3	SITE PLAN
4	SITE PLAN
5	PAVING DETAILS
6	PAVING DETAILS
7	CLASS A SIGNING PLAN

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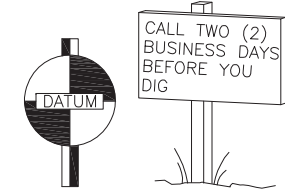
NO.	REVISIONS	DATE



PROJECT NO.: ESHMA21-1	FED. AID NO.: --
DESIGNED BY: RS	DRAWN BY: RS
CHECKED BY: SA	APPROVED BY: PAR
PROJECT LOCATED NEAR: BOW, WA SEC 5 & 6, T35N, R4E	

2021 HMA OVERLAY

COVER SHEET



1 INCH SCALE BAR
 ADJUST SCALE ACCORDINGLY

SHEET
1 OF 6

SUMMARY OF QUANTITIES				
Item No.	Spec.	Qty.	Unit	Item Description
PREPARATION				
1	1-09.7	1	LS	MOBILIZATION
GRADING				
2	2-03.5	610	CY	ROADWAY EXCAVATION INCL. HAUL
3	2-03.5	422	CY	EMBANKMENT COMPACTION
SURFACING				
4	8-15.5	299	TON	QUARRY SPALLS
5	4-04.5	95	TON	BALLAST
6	4-04.5	308	TON	CRUSHED SURFACING BASE COURSE
7	4-04.5	140	TON	CRUSHED SURFACING TOP COURSE
HOT MIX ASPHALT				
8	5-04.5	18,660	SY	PLANING BITUMINOUS PAVEMENT
9	5-04.5	260	TON	HMA FOR PAVEMENT REPAIR CL. 1/2" PG 58H-22
10	5-04.5	2,320	TON	HMA CL. 1/2" PG 58H-22
11	5-04.5	130	TON	HMA FOR APPROACH CL. 1/2 IN. PG 58H-22
EROSION CONTROL AND PLANTING				
12	8-01.5	12	DAY	ESC LEAD
13	8-01.5	1	EST	FORCE ACCOUNT EROSION/WATER POLLUTION CONTROL
TRAFFIC				
14	8-22.5	376	LF	PLASTIC LINE
15	8-22.5	46	LF	PLASTIC STOP LINE
16	8-23.5	27,900	LF	TEMPORARY PAVEMENT MARKING - SHORT DURATION
17	1-10.5	1	LS	PROJECT TEMPORARY TRAFFIC CONTROL
OTHER ITEMS				
18	1-05.4 SP	1	LS	ROADWAY SURVEYING
19	2-11.5	1	LS	TRIMMING AND CLEANUP
20	2-12.5	740	SY	CONSTRUCTION GEOTEXTILE FOR SEPARATION
21	2-12.5	740	SY	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION
22	1-07.15	1	LS	SPCC PLAN
23	1-05.4 SP	1	EST	FORCE ACCOUNT LICENSED SURVEYING
24	1-09.6 SP	1	EST	UNANTICIPATED UNSUITABLE SUBGRADE REPAIR
25	1-09.6 SP	1	EST	UNANTICIPATED UNDERGROUND CONFLICTS
26	1-09.6 SP	1	EST	UNANTICIPATED MINOR STRUCTURE REVISIONS
27	1-09.6 SP	1	EST	UNANTICIPATED DEWATERING
28	1-09.6 SP	1	EST	UNANTICIPATED REPAIR/RESTORATION OF PUBLIC AND PRIVATE FACILITIES
THE CONTRACTOR SHALL INCLUDE FOR COMPENSATION THE AMOUNT OF ANY TAXES PAID IN THE VARIOUS UNIT BID PRICES IN ACCORDANCE WITH SECTION 1-07.2(1)				

EXISTING

	EDGE OF ASPHALT
	SHOULDER
	BURIED OPTIC FIBER LINE
	BURIED POWER LINE
	BURIED MULTIPLE UTILITIES LINE
	BURIED TELEPHONE LINE
	BURIED WATER LINE
	RAILROAD CENTER LINE
	CITY/COUNTY BOUNDARY LINE
	EXIST. GUARDRAIL
	DOUBLE YELLOW CENTERLINE
	DOTTED LINE
	BRIDGE
	EXIST. TRAFFIC LOOP
	CATCH BASIN
	SURVEY MONUMENT
	WATER METER
	WATER VALVE
	RAILROAD SIGNAL
	EXIST. SIGN
	MANHOLE
	POWER POLE
	DOWN GUY WIRE

PROPOSED

	CONSTRUCTION CENTERLINE
	SKIP STRIPE CENTERLINE
	EDGE LINE
	DOUBLE YELLOW CENTERLINE
	WIDE LANE LINE
	STOP LINE
	PROPOSED SIGN

ABBREVIATIONS:

AP	ANGLE POINT	IN & "	INCHES	SPEC	SPECIFICATIONS
ASPH	ASPHALT	K	CURVE COEFFICIENT	ST	STREET
AVE	AVENUE	L	LENGTH OF CURVE	STA	STATION
BLDG	BUILDING	LF	LINEAR FOOT	SY	SQUARE YARD
BVC	BEGIN VERTICAL CURVE	LS	LUMP SUM	SYM	SYMMETRICAL
CALC	CALCULATED	LT	LEFT	TWN	TOWNSHIP
CB	CATCH BASIN	MAX	MAXIMUM	TYP	TYPICAL
CL & C	CENTERLINE	MIN	MINIMUM	UG	UNDERGROUND
CP	CONTROL POINT	MIC	MONUMENT IN CASE	VCL	VERTICAL CURVE LENGTH
CPCP	CORRUGATED POLYETHYLENE CULVERT PIPE	MON	MONUMENT	VPI	VERTICAL POINT INTERSECTION
		MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES	W	WEST
CONT'D	CONTINUED	N	NORTH/NORTHING	W.M.	WILLAMETTE MERIDIAN
CSBC	CRUSHED SURFACING BASE COURSE	NTS	NOT TO SCALE	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
CULV	CULVERT	PC	POINT OF CURVATURE		
CY	CUBIC YARD	PI	POINT OF INTERSECTION		
DEG	DEGREE	PT	POINT OF TANGENCY		
DIA	DIAMETER	R	RADIUS		
E	EAST/EASTING	RD	ROAD		
EL & ELEV	ELEVATION	RGE	RANGE		
EST	ESTIMATED	R/W & ROW	RIGHT OF WAY		
EVC	END VERTICAL CURVE	RT	RIGHT		
FT & '	FEET	S	SOUTH		
GALV	GALVANIZED	SEC	SECTION		
GND	GROUND	SF	SQUARE FOOT		
HMA	HOT MIX ASPHALT	SHLD	SHOULDER		
HR	HOUR				

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT PLANS AND PROVISIONS, STANDARD SPECIFICATIONS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE 2021 WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BEFORE DIGGING. CALL 1-800-424-5555 AT LEAST TWO (2) BUSINESS DAYS BEFORE YOU DIG.
- THE DEBRIS MATERIAL RESULTING FROM THE PLANING OPERATIONS WILL BECOME THE PROPERTY OF SKAGIT COUNTY PUBLIC WORKS AND DISPOSED OF IN A COUNTY-PROVIDED SITE. DETAILS OF THIS WORK CAN BE FOUND IN THE PLAN'S SPECIAL PROVISIONS SECTION AS SKAGIT COUNTY SPECIFICATION 5-04.3(14) "PLANING BITUMINOUS PAVEMENT".
- THE CONTRACTOR IS EXPECTED TO PREVENT EROSION AND THE RELEASE OF SEDIMENT AND OTHER POLLUTANTS THROUGH BEST MANAGEMENT PRACTICES (BMPs). THE GOAL IS TO KEEP POLLUTANTS OUT OF STORM DRAINS, WATERWAYS AND ADJACENT PROPERTIES.

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 MOUNT VERNON, WA 98273-5625
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NO.	REVISIONS	DATE

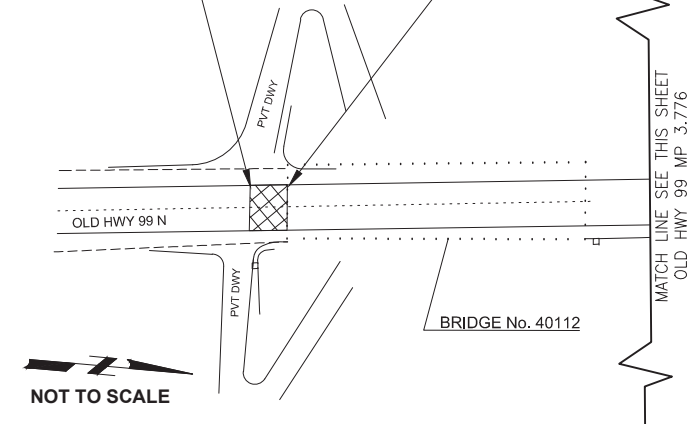


PROJECT NO.: ESHMA21-1	FED. AID NO.: ###	DESIGNED BY: RS	CHECKED BY: SA	DRAWN BY: RS	APPROVED BY: PAR
PROJECT LOCATED NEAR:			BOW, WA		
SEC 5 & 6, T35N, R4E					

2021 HMA OVERLAY

ABBREVIATIONS, LEGEND, AND NOTES

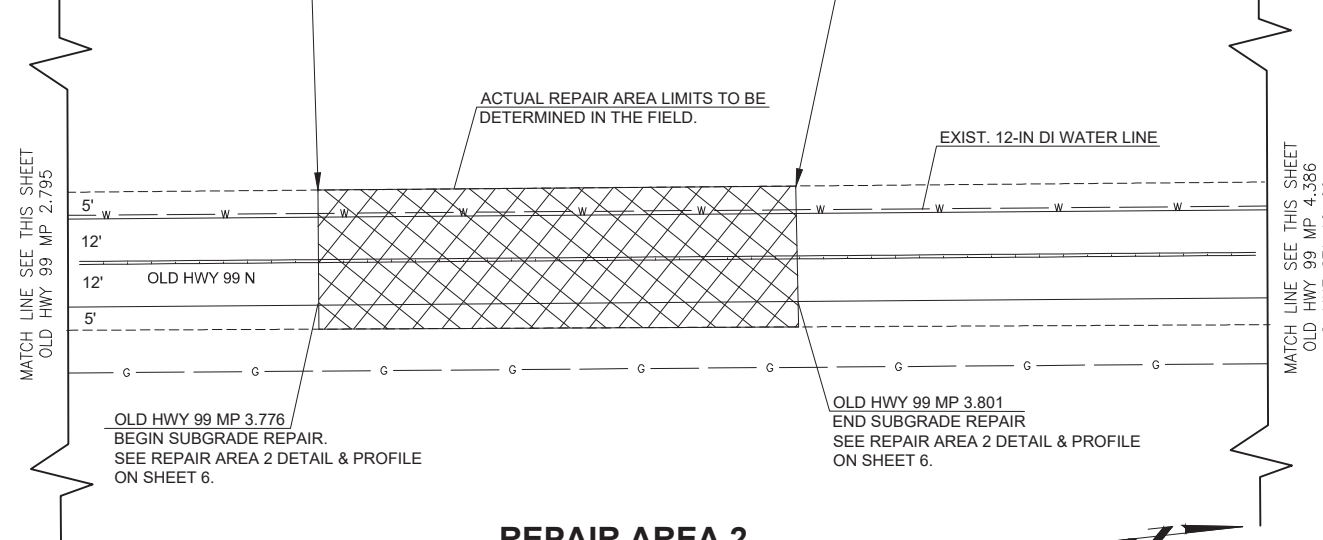
BEGIN PROJECT
BEGIN CONSTRUCTION
OLD HWY 99 MP 2.790



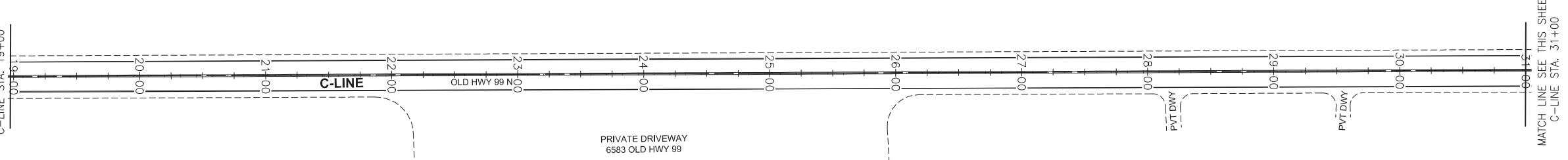
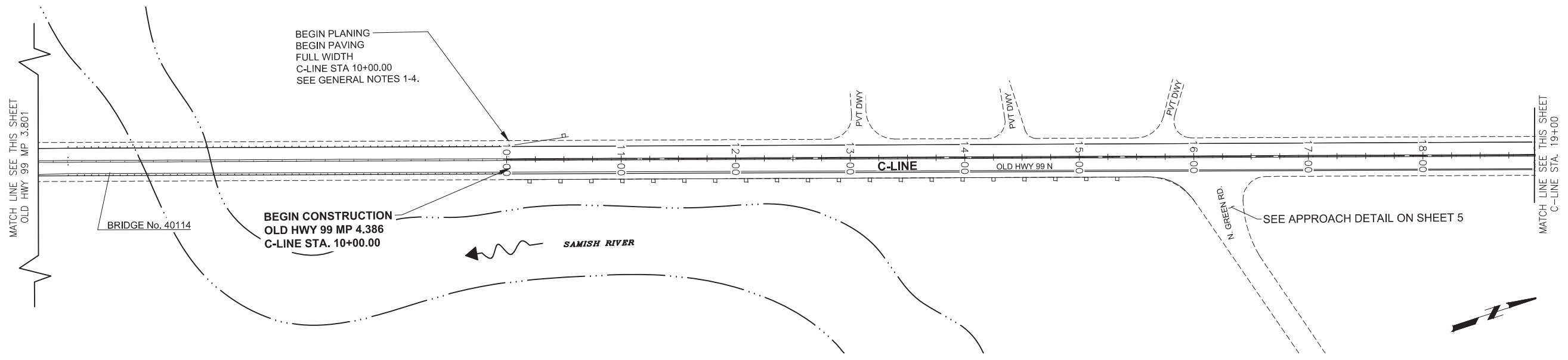
REPAIR AREA 1
OLD HIGHWAY 99 MP 2.790

BEGIN CONSTRUCTION
OLD HWY 99 MP 3.776

END CONSTRUCTION
OLD HWY 99 MP 3.801

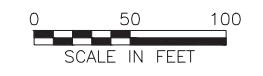


REPAIR AREA 2
OLD HIGHWAY 99 MP 3.776



GENERAL NOTES:

1. FOR PLANING AND PAVING LIMITS, DETAILS, AND LOCATIONS, SEE THE ROADWAY SECTIONS, AND PLANING DETAILS ON SHEET 5.
2. FOR PLANING AND PAVING LIMITS ON COUNTY ROAD APPROACHES, SEE THE APPROACH DETAIL ON SHEET 5.
3. PROTECT SURVEY MONUMENT CASE AND COVER TO AVOID PENALTY PER RCW 55.04.015 AND WAC 332-120-040
4. ALL MEASUREMENTS ARE IN FEET UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL REPLACE THE EXISTING EDGE LINE AND GORE AREA WITH PLASTIC STRIPE AND MATCH THE EXISTING LAYOUT.



1-800-424-5555

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PUBLIC WORKS**
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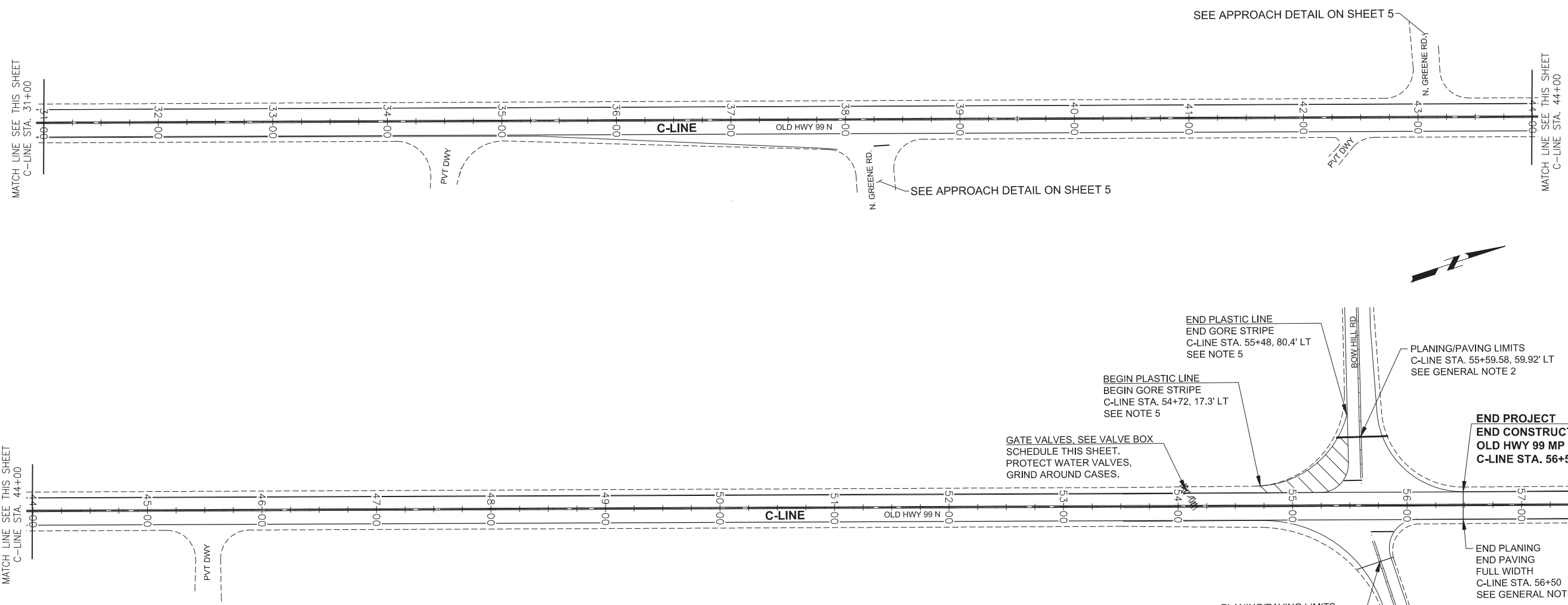
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FED. AID NO.: ---	CHECKED BY: SA
DESIGNED BY: RS	APPROVED BY: PAR
PROJECT LOCATED NEAR: BOW, WA SEC 5 & 6, T35N, R4E	

2021 HMA OVERLAY

SITE PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
3 OF 6



PLASTIC LINE			
STA.	STA.	NO. OF LINES	L.F.
54+72	55+48	1 & GORE AREA	376
TOTAL			376

PLASTIC STOP LINE			
ROAD APPROACH	STATION	RT/LT	L.F.
N GREEN RD	C 38+19	RT	14
BOW HILL RD	C 55+61	LT	17
PRAIRIE RD	C 55+65	RT	15
SCHEDULE A - TOTAL			46

TEMPORARY PAVEMENT MARKING			
FROM STA.	TO STA.	NUMBER OF LINES	L.F.
C 10+00	C 56+50	3	13950
TOTAL			13,950

VALVE BOX SCHEDULE		
NO.	STATION / OFFSET	EA.
1	C 54+05.41, 15.70' LT	1
2	C 54+06.91, 14.23' LT	1
SHEET TOTAL =		2

- GENERAL NOTES:**
- FOR PLANING AND PAVING LIMITS, DETAILS, AND LOCATIONS, SEE THE ROADWAY SECTIONS, AND PLANING DETAILS ON SHEET 5.
 - FOR PLANING AND PAVING LIMITS ON COUNTY ROAD APPROACHES, SEE THE APPROACH DETAIL ON SHEET 5.
 - PROTECT SURVEY MONUMENT CASE AND COVER TO AVOID PENALTY PER RCW 55.04.015 AND WAC 332-120-040
 - ALL MEASUREMENTS ARE IN FEET UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL REPLACE THE EXISTING EDGE LINE AND GORE AREA WITH PLASTIC STRIPE AND MATCH THE EXISTING LAYOUT.



* CONTRACTOR SHALL USE TEMPORARY FLEXIBLE RAISED PAVEMENT MARKERS IN ACCORDANCE WITH STANDARD SPECIFICATION 8-23.3(4)A4.

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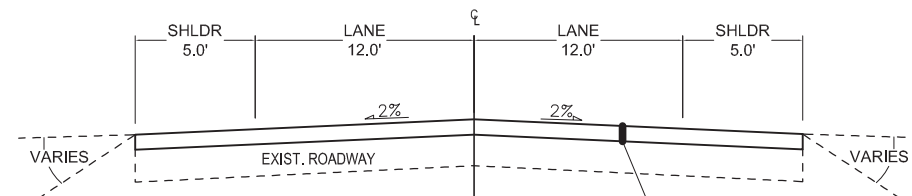
PROJECT NO.: ESHMA21-1	DRAWN BY: RS	APPROVED BY: PAR
FED. AID NO.: ---	DESIGNED BY: RS	CHECKED BY: SA
PROJECT LOCATED NEAR: BOW, WA SEC 5 & 6, T35N, R4E		

**2021 HMA OVERLAY PROJECT
 OLD HIGHWAY 99**

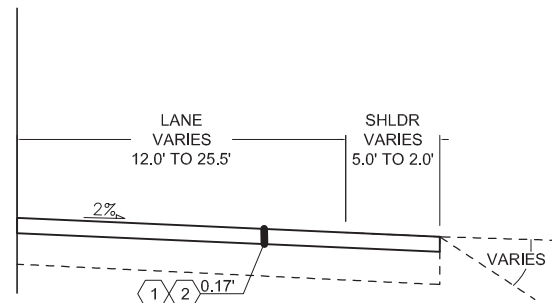
SITE PLAN

1 INCH SCALE BAR
 ADJUST SCALE ACCORDINGLY

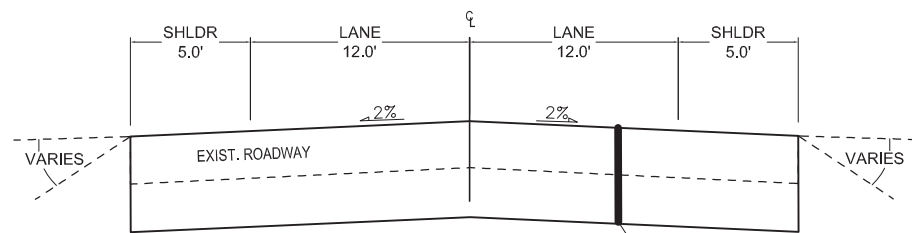
SHEET
4 OF 6



ROADWAY SECTION A
C-LINE STA. 10+00 TO 35+30
C-LINE STA. 38+50 TO 56+50
REPAIR AREA 1
OLD HWY 99 MP 2.790 TO MP 2.795



ALTERNATE SECTION A-1
C-LINE STA. 35+30 TO 38+50

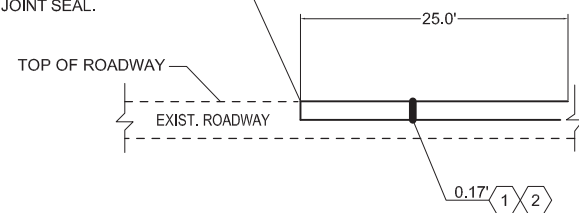


ROADWAY SECTION B - REPAIR AREA 2
OLD HWY 99,
APPROXIMATE MP 3.776 TO MP 3.801

1 ROADWAY SECTIONS

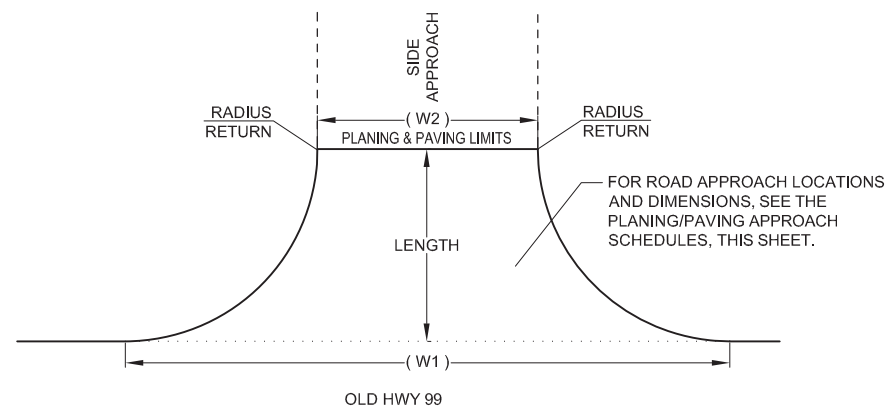
Scale: NTS

NEW PAVEMENT JOINT. BEGIN PLANING AND PAVING, SEE ROADWAY SECTIONS. FINAL HMA LIFT TO BE FLUSH WITH BUTT JOINT. SEAL WITH HOT POURED JOINT SEAL.



2 BUTT JOINT DETAIL

Scale: NTS

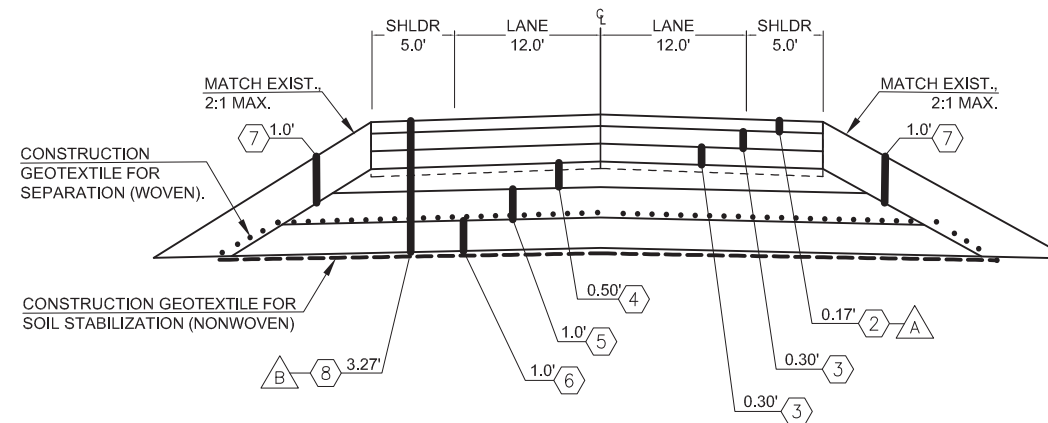


3 APPROACH DETAIL

Scale: NTS

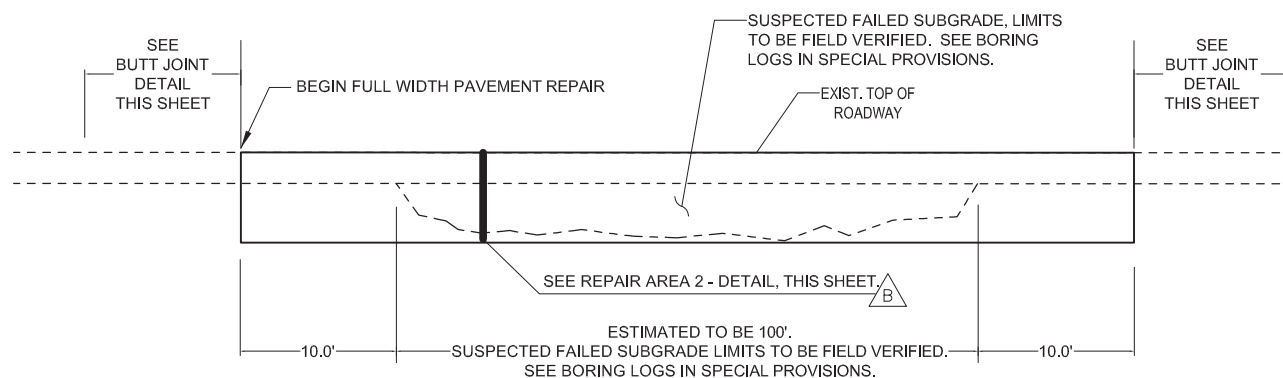
PLANING/PAVING APPROACH SCHEDULE									
ROAD	STATION	LT/RT	W1'	W2'	LENGTH'	DEPTH	S.Y.	TONS	
N. GREEN RD.	C 16+21	RT	101	40	25	0.17	161	20.0	
N. GREEN RD.	C 38+19	RT	83	34	25	0.17	133	16.0	
N. GREEN RD.	C 43+08	LT	72	24	25	0.17	103	12.0	
BOW HILL RD.	C 55+61	LT	172	71	25	0.17	303	36.0	
PRAIRIE RD.	C 55+65	RT	130	34	34	0.17	284	34.0	
Total =							397 S.Y.	130 Tons	

* DIMENSIONS ARE APPROXIMATE. CONTRACTOR TO FIELD FIT AT THE DIRECTION OF THE ENGINEER.



4 REPAIR AREA 2 - DETAIL

Scale: NTS



5 REPAIR AREA 2 - PROFILE

Scale: NTS

LEGEND:

- ① PLANING BITUMINUS PAVEMENT
- ② HMA CL 1/2 IN. PG 58H-22
- ③ HMA FOR PAVEMENT REPAIR CL.1/2 IN. PG 58H-22
- ④ CRUSHED SURFACING TOP COURSE (CSTC)
- ⑤ CRUSHED SURFACING BASE COURSE (CSBC)
- ⑥ QUARRY SPALLS
- ⑦ BALLAST
- ⑧ PAVEMENT REPAIR EXCAVATION INCL. HAUL

GENERAL NOTES:

1. ALL DIMENSIONS SHOWN IN PLANS ARE IN FEET UNLESS OTHERWISE NOTED.
2. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
3. EMBANKMENT COMPACTION SHALL BE CALCULATED BY THE QUANTITY OF CSTC, CSBC, QUARRY SPALLS, AND BALLAST PLACED PER DETAIL 4.

CONSTRUCTION NOTES:

- A FINAL LIFT TO BE PLACED AS WEARING COURSE.
- B CONTRACTOR SHALL EXCAVATE TO SUITABLE SUBGRADE, AS DETERMINED BY THE ENGINEER.

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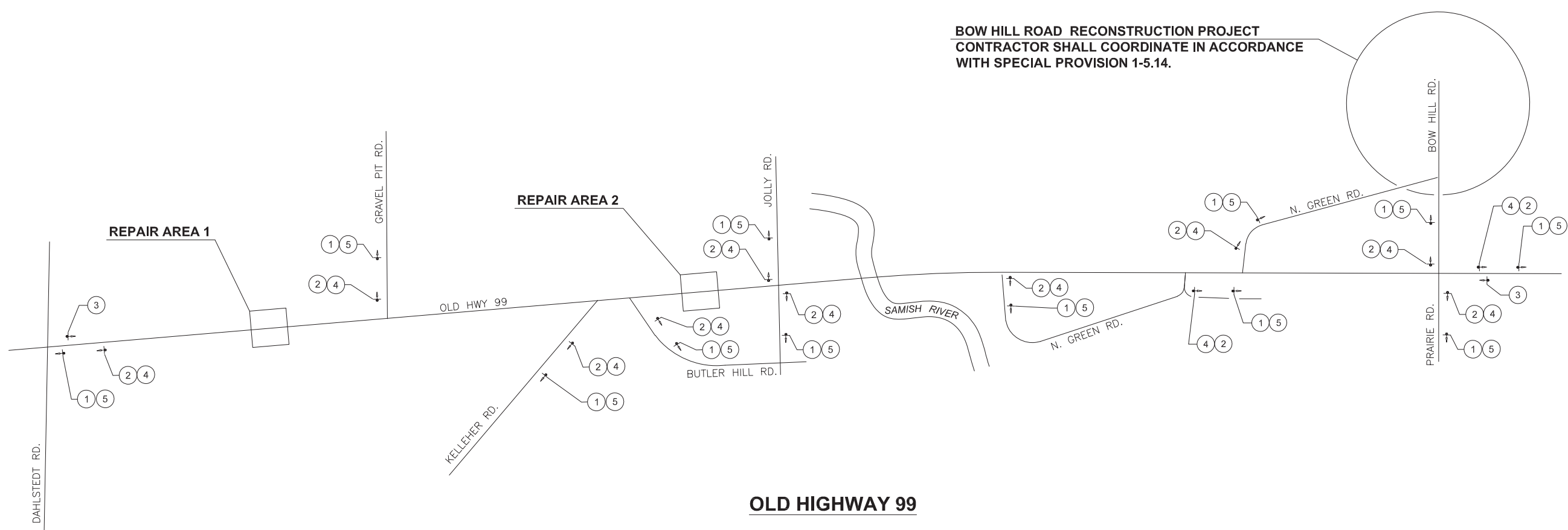


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PROJECT LOCATED NEAR:			BOW, WA		
SEC 5 & 6, T35N, R4E					

2021 HMA OVERLAY
ROADWAY SECTIONS & PAVING DETAILS



BOW HILL ROAD RECONSTRUCTION PROJECT
CONTRACTOR SHALL COORDINATE IN ACCORDANCE
WITH SPECIAL PROVISION 1-5.14.



OLD HIGHWAY 99

LEADER NO.	CONSTRUCTION SIGN	QUANTITY	SIZE	(S.F.)
1	W20-1	12	48"x48"	192
2*	W21-1701P	12	36"x18"	54
3	G20-2	2	48"x24"	16
4*	W20-1	12	48"x48"	192
5	G20-2 (MOD1)	12	48"x24"	96
*COVER SIGNS UNLESS CONDITION EXISTS		TOTAL S.F. = 550		

CONSTRUCTION SIGN CLASS A NOTES:

- SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MOST CURRENT M.U.T.C.D. ADOPTED BY WAC 468-95 AND IT'S MODIFICATIONS.
- SIGNS SHALL CONFORM TO THE 2021 WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- SIGNS SHALL NOT BE LOCATED WHERE THEY MAY CAUSE SIGHT DISTANCE PROBLEMS.
- IF WORK INCLUDES GROOVED PAVEMENT, ABRUPT LANE EDGES, STEEL PLATES, OR GRAVEL OR EARTH SURFACES, SIGNS SHALL BE PLACED STATING THE CONDITION, AS REQUIRED BY THE CURRENT M.U.T.C.D. & WAC 468-95.
- CONTRACTOR SHALL FURNISH ALL SIGNS.
- SIGNS SHALL BE MOUNTED ON 4X4 POSTS.
- CLASS B SIGNS ARE NOT SHOWN ON DRAWING.
- ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.

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2021 HMA OVERLAY

CLASS 'A' SIGNING PLAN

1 INCH SCALE BAR
 ADJUST SCALE ACCORDINGLY