

TABLE of CONTENTS for the PLANS

SHEET NO.	TITLE
1	TABLE OF CONTENTS \ VICINITY \ LOCATION MAP
2	SUMMARY OF QUANTITIES
3	ROADWAY SECTIONS
4	STRUCTURE NOTES
5 - 7	ROADWAY PLAN SHEETS \ ROAD APPR. TRANSITION DETAILS \ QUANTITY TABS

SHEET NO.	TITLE
8	ROAD APPROACH & CULVERT DETAILS
9	TRAFFIC CONTROL PLAN
10	TRAFFIC CONTROL PLAN - SR 155 INTERSECTION
11	CONSTRUCTION SIGNS CLASS A

Designed by:	Date:
Drawn by:	Date:
Checked by:	Date:
Fed. Funct. Class:	
Terrain Type:	
Design Year:	
Design Year ADT:	
Design Speed:	

Fed. Aid Proj. No.	HSIP - 000S(483)
Contract No.	TA -
R.A.P. Project No.	N/A



Okanogan County
Department of Public Works
 1234-A 2nd Ave. S. 509-422-7300
 Okanogan, Washington 98840

CRP No. 3735-06
 HMA Overlay 2019
 Omak-Riverside Eastside Rd.
 TABLE OF CONTENTS \ VICINITY MAP

SHEET
 1
 of
 11

SUMMARY OF QUANTITIES

CRP No. 3735-06, Omak-Riverside Eastside, M.P. 0.00 to 1.50

ITEM NO.	STANDARD ITEM NO.	TOTAL PLAN QUANTITY	UNIT	ITEM	FINAL QUANTITY (AS BUILT)	R.A.P. Proj. No. 2415-01		ITEM NO.	STANDARD ITEM NO.	TOTAL PLAN QUANTITY	UNIT	ITEM	FINAL QUANTITY (AS BUILT)	R.A.P. Proj. No. 2415-01	
						90%								90%	
SECTION 1 PREPARATION															
1	0001	Lump Sum	L.S.	Mobilization											
2	0050	Lump Sum	L.S.	Removal of Structures and Obstructions											
SECTION 2 GRADING															
3	0310	250	C.Y.	Roadway Excavation Incl. Haul											
4	0460	5	C.Y.	Embankment in Place											
SECTION 4 DRAINAGE															
5	1085	2	C.Y.	Quarry Spalls											
6	1312	58	L.F.	Plain St. Culv. Pipe 0.064 in. th. 12 in. diam.											
7	1313	17.5	L.F.	Plain St. Culv. Pipe 0.064 in. th. 18 in. diam.											
8	1314	50	L.F.	Plain St. Culv. Pipe 0.064 in. th. 24 in. diam.											
9	1315	13	L.F.	Plain St. Culv. Pipe 0.064 in. th. 30 in. diam.											
10	1319	40	L.F.	Plain St. Culv. Pipe 0.064 in. th. 15 in. diam.											
SECTION 9 SURFACING															
11	5120	460	Ton	Crushed Surfacing Top Course											
SECTION 14 HOT MIX ASPHALT															
12	5708	200	S.Y.	Removing Existing Overlay From Bridge Deck B-10											
13	5711	340	S.Y.	Planing Bituminous Oavement											
14	5767	4,700	Ton	HMA Class 1/2 in. PG 64-28											
15	5830	-1	Calc.	Job Mix Compliance Price Adjustment											
16	5835	-1	Calc.	Compaction Price Adjustment											
SECTION 17 EROSION CONTROL AND ROADSIDE PLANTING															
17	6403	25	Day	ESC Lead											
18	6488	Lump Sum	L.S.	Erosion Control and Water Pollution Prevention											
SECTION 18 TRAFFIC															
19	6806	24,000	L.F.	Paint Line											
20	6895	16,000	L.F.	Temporary Pavement Marking - Short Duration											
21	6971	Lump Sum	L.S.	Project Temporary Traffic Control											
22	6974	Lump Sum	L.S.	Traffic Control Supervisor											
23	6980	600	HR	Flaggers											
SECTION 19 OTHER ITEMS															
24	7018	400	MGAL	Water											
25	7037	Lump Sum	L.S.	Structure Surveying											
26	7490	Lump Sum	L.S.	Trimming and Cleanup											
27	7562	2	Each	Mailbox Support Type 1											
28	7725	5	Est.	Reimbursement for Third Party Damage											
29	7728	-1	Calc.	Minor Change											
30	7732	-1	Calc.	Aggregate Compliance Price Adjustment											
31	7736	Lump Sum	L.S.	SPCC Plan											

Designed by: _____	Date: _____
Drawn by: _____	Date: _____
Checked by: _____	Date: _____
Fed. Funct. Class: _____	
Terrain Type: _____	
Design Year: _____	
Design Year ADT.: _____	
Design Speed: _____	

Fed. Aid Proj. No. HSIP - 000S(483)
 Contract No. TA -
 R.A.P. Project No. N\A



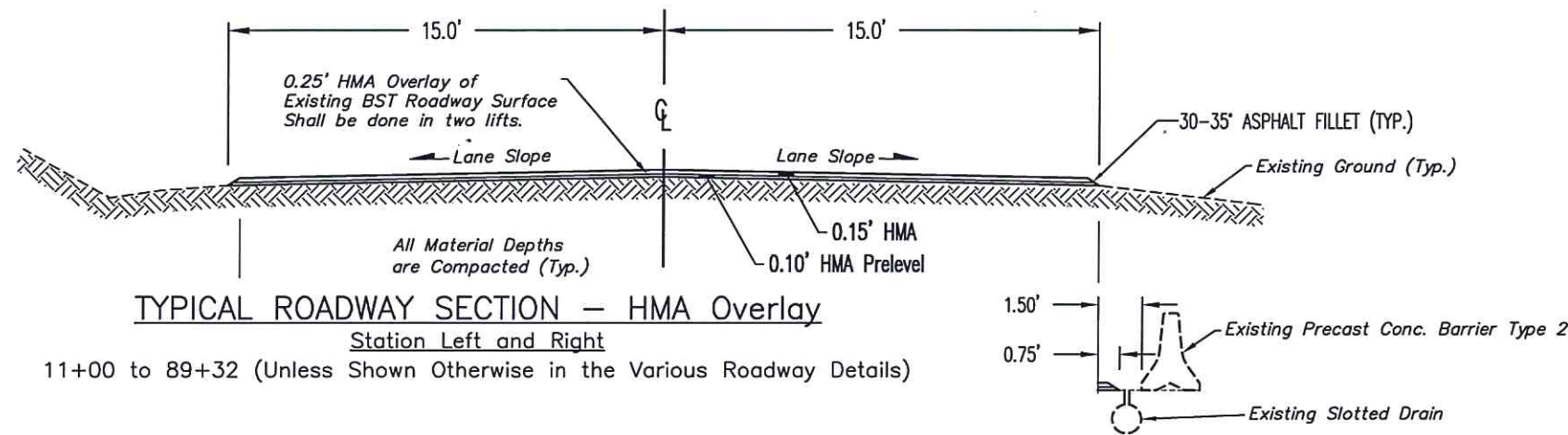


Okanogan County
Department of Public Works

1234-A 2nd Ave. S. 509-422-7300
Okanogan, Washington 98840

CRP No. 3735-06
 HMA Overlay 2019
 Omak-Riverside Eastside Rd.
SUMMARY OF QUANTITIES

X:\Current\3735_06 Omak-Riverside Eastside\Project Sheets 373506.dwg

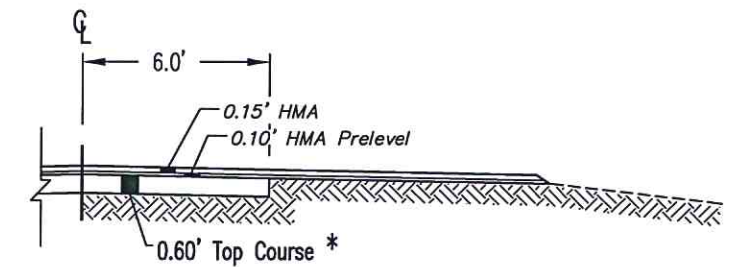


TYPICAL ROADWAY SECTION - HMA Overlay
 Station Left and Right
 11+00 to 89+32 (Unless Shown Otherwise in the Various Roadway Details)

HMA WIDENING AT EXIST. SLOTTED DRAIN LOCATIONS

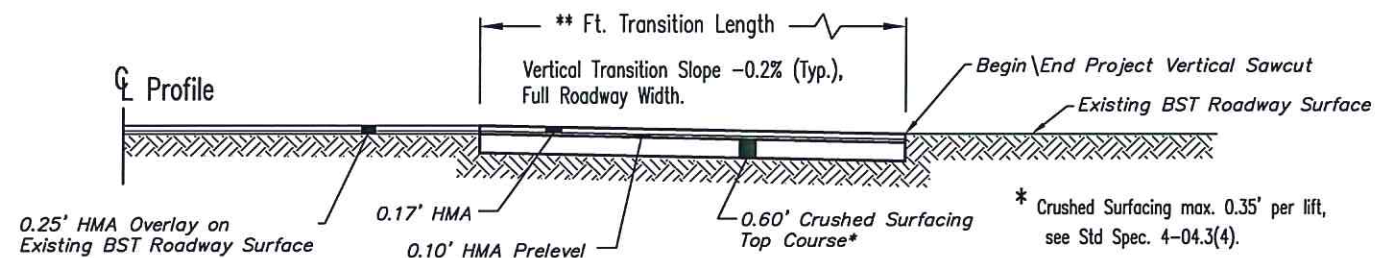
Station Right
 62+78 to 63+08
 85+77 to 86+47

- NOTES:**
- Vertical Sawcut at All cuts into HMA.
 - Roadway Excavation and Crushed Surface Top Course quantities calculated using Neat Line measurement.



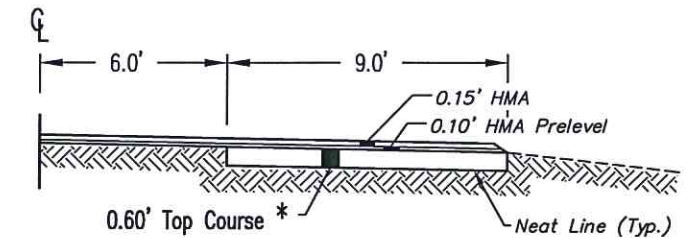
ROADWAY SECTION DETAIL - HALF LANE REHABILITATION

Station Right
 62+78 to 63+08
 85+77 to 86+47



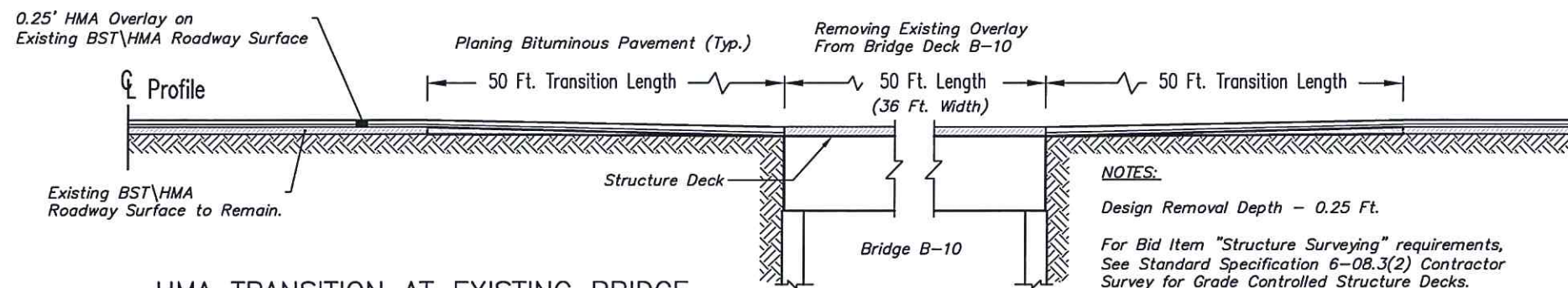
HMA TRANSITION TO EXISTING ROADWAY

Begin Project Station 11+00 to 11+50, 50 ft. **
 Brooks Tracts Rd. Sta. 23+77 Lt, 35 ft. **
 End Project Station 87+97 to 89+32, 135 ft. **



ROADWAY SECTION DETAIL - HALF LANE and SHOULDER REHABILITATION

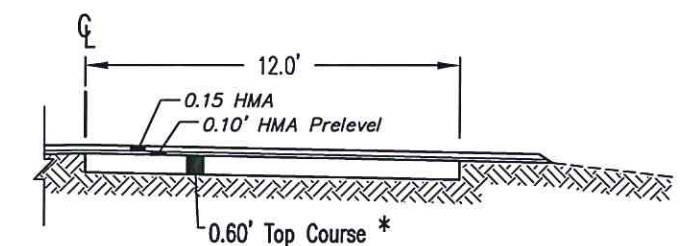
Station Right
 11+85 to 12+85



HMA TRANSITION AT EXISTING BRIDGE

Begin Project Station 24+83 to 25+33
 End Project Station 25+83 to 26+33

- NOTES:**
- Design Removal Depth - 0.25 Ft.
 - For Bid Item "Structure Surveying" requirements, See Standard Specification 6-08.3(2) Contractor Survey for Grade Controlled Structure Decks.
 - No Waterproof Membrane installation.

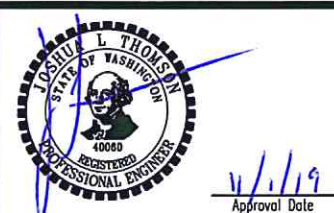


ROADWAY SECTION DETAIL - LANE REHABILITATION

Station Right
 85+77 to 86+47
 86+78 to 87+20

Designed by:	Date:
Drawn by:	Date:
Checked by:	Date:
Fed. Funct. Class:	
Terrain Type:	
Design Year:	
Design Year ADT:	
Design Speed:	

Fed. Aid Proj. No.	HSIP - 000S(483)
Contract No.	TA -
R.A.P. Project No.	N/A



Okanogan County
 Department of Public Works
 1234-A 2nd Ave. S. 509-422-7300
 Okanogan, Washington 98840

CRP No. 3735-06
 HMA Overlay 2019
 Omak-Riverside Eastside Rd.
 ROADWAY SECTIONS

SHEET
 3
 of
 11

**QUANTITY TABULATION
STRUCTURE NOTES**

NOTE:
THE FIRST CODE NUMBER IS THE
PLAN SHEET PAGE NUMBER.

THE SECOND CODE NUMBER IS THE
CONSTRUCTION FEATURE ON THAT
SHEET.

*****GENERAL NOTES*****

- See "TYPICAL STEP BEVEL END SECTION" detail on "ROAD APPROACH & CULVERT DETAILS" Sheet.

Field cut existing culvert as required before Step Bevel End Section installation.
See "CUT OFF LENGTH" tabulation this sheet.

Requires Galvanizing Repair Paint, High Zinc Content, See Std Spec. 9-08.1(2)B.

All costs are Included in the applicable Culvert Bid Items.
- Place Quarry Spalls as staked at culvert inlet\outlet.
- Use Type K Coupling Band. Stand. Plan 60.40-01.
- Slotted Drain Culverts use a Modified Single Bolt Coupling Band.

Modified "Hugger Band" Type 6 or 7 used with Contech Slotted Drain
- All costs for removing and disposing of the existing culvert will be included in the culvert installation at that location.
- Rt. Field Cut Bevel as Staked.
- Inlet Backslope Warping and Ditchline Transition. See "Typical Step Bevel End Section" Detail on "Road Approach and Culvert Details" sheet.


CODE NO.	STATION	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (0050)	REMOVING EXISTING CULVERT PIPE (INFORMATIONAL)	QUARRY SPALLS (1085)	PLAIN ST. CULV. PIPE 0.064 IN. TH. 12 IN. DIAM. (1312)		PLAIN ST. CULV. PIPE 0.064 IN. TH. 15 IN. DIAM. (1319)		PLAIN ST. CULV. PIPE 0.064 IN. TH. 18 IN. DIAM. (1313)		PLAIN ST. CULV. PIPE 0.064 IN. TH. 24 IN. DIAM. (1314)		PLAIN ST. CULV. PIPE 0.064 IN. TH. 30 IN. DIAM. (1315)		CUT OFF LENGTH (INFORMATIONAL)				SEE GENERAL NOTES
					L.S.	L.F.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	Ahd.	Bk.	
5 - 1	13+00 Lt & Rt							3.5	3.5					1	1			1, 3, 7	
5 - 2	22+78 Rt Rd Appr.					2	2										1	1	
5 - 3	28+16 Lt & Rt											6.5	6.5					1, 3, 7	
5 - 4	31+67 Rt Rd Appr.					2	2									1		1	
5 - 5	36+50 Lt & Rt							3.5	3.5						1			1, 3, 7	
6 - 1	40+22 Lt & Rt			1 (Rt)						5	5			1	3			1, 2, 3, 7	
6 - 2	40+48 Rt Remove Rock	1																	
6 - 3	40+53 Rt			1							24							1, 2, 3	
6 - 4	65+00 Rt						10											1, 4	
6 - 5	70+00 Rt								3.5									1, 3	
7 - 1	74+23 Rt		35				40											1, 5	
7 - 2	77+30 Rt		35					40										1, 5	
7 - 3	80+30 Lt & Rt									7	4			2	1			1, 3, 6, 7	
7 - 4	85+12 Rt Inlet										5				5			1, 3	
PROJECT TOTAL					2		58	40	17.5	50	13								

K:\Current\3735_06 Omak Riverside Eastside\Project Sheets 373506.dwg

Designed by: _____ Date: _____
 Drawn by: _____ Date: _____
 Checked by: _____ Date: _____
 Fed. Funct. Class: _____
 Terrain Type: _____
 Design Year: _____
 Design Year ADT.: _____
 Design Speed: _____

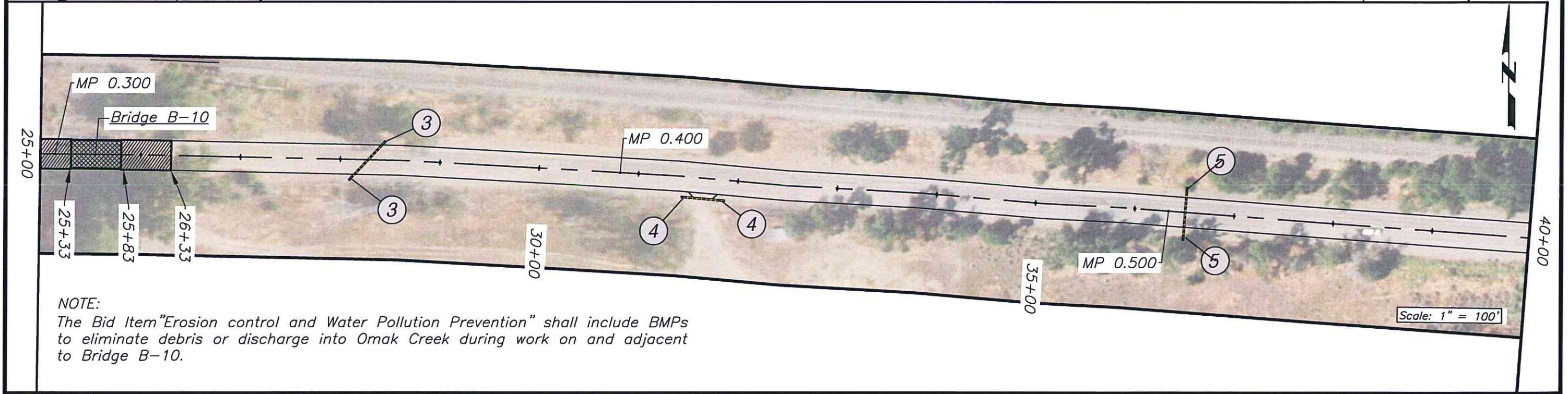
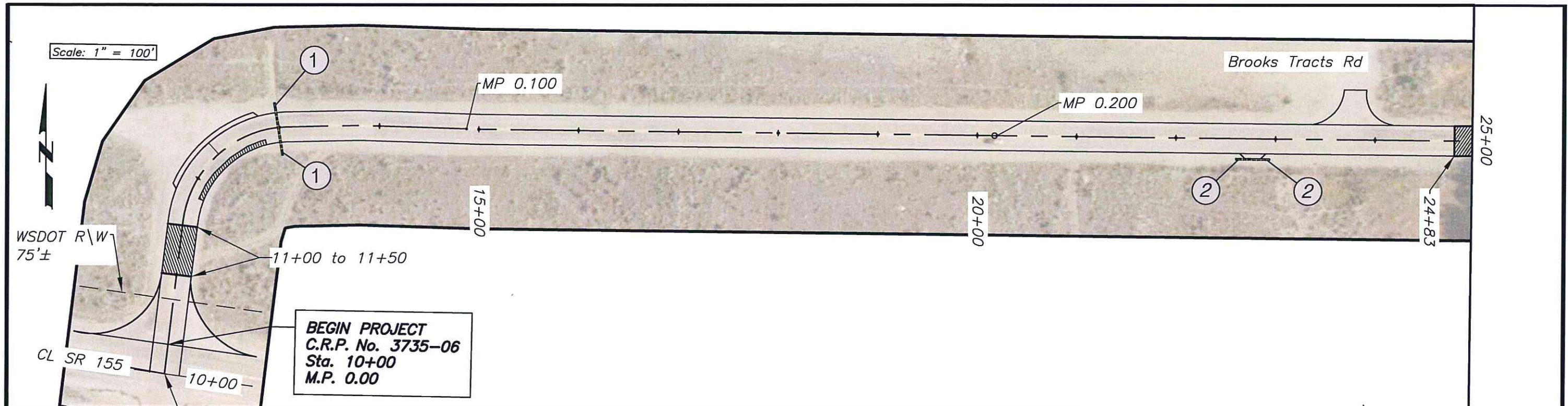
Fed. Aid Proj. No. HSIP - 000S(483)
 Contract No. TA - _____
 R.A.P. Project No. N/A


 Approval Date: 11/19


Okanogan County
Department of Public Works
 1234-A 2nd Ave. S. 509-422-7300
 Okanogan, Washington 98840

CRP No. 3735-06
 HMA Overlay 2019
 Omak-Riverside Eastside Rd.
STRUCTURE NOTES

SHEET
 4
 of
 11



LEGEND

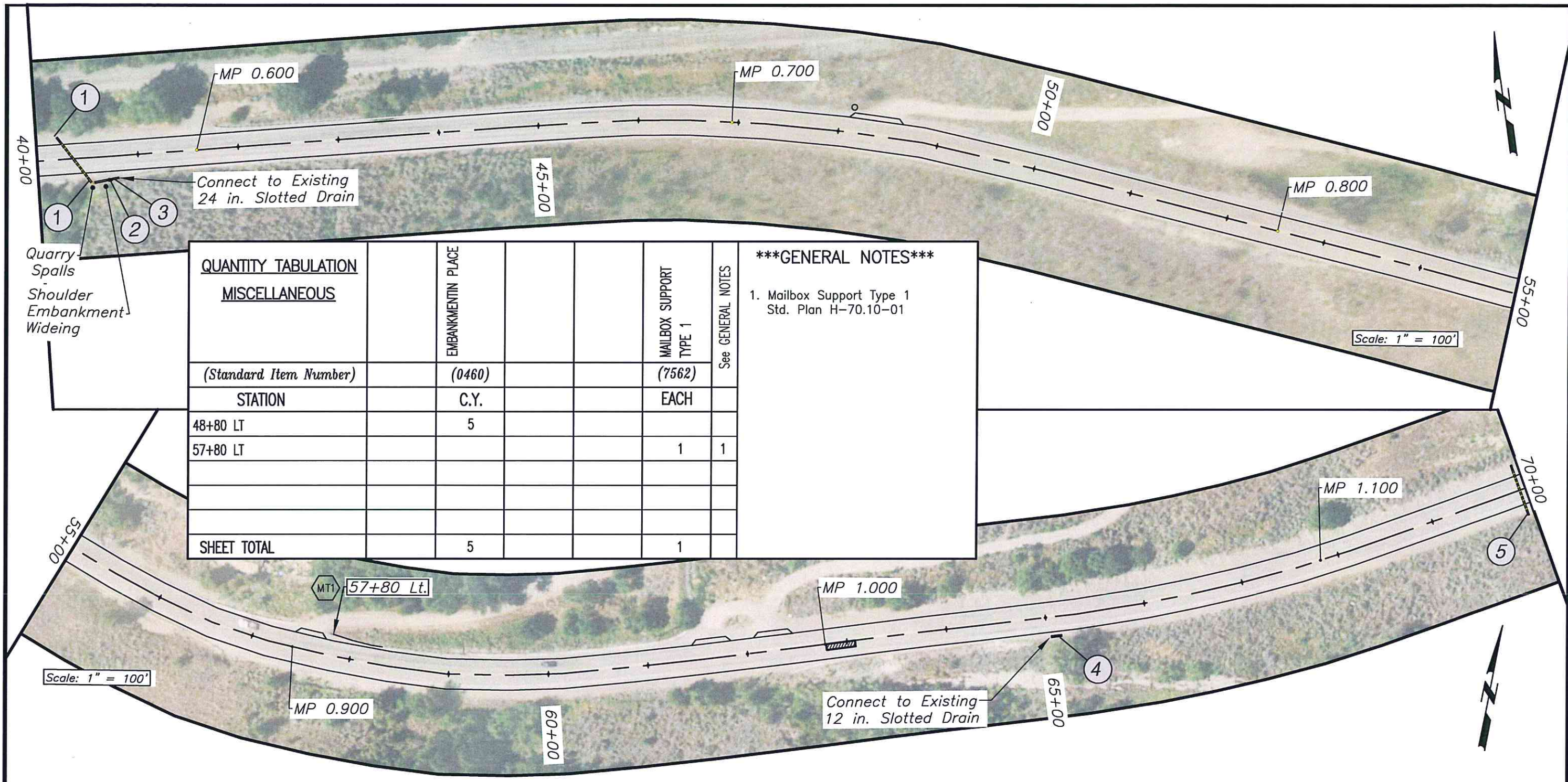
-----	Existing Shoulder	○	See "Structure Notes" Sheet for Details
—————	Paving Limits	MT1	(7562) Mailbox Support Type 1 [H-70.10-01]

Designed by:	Date:
Drawn by:	Date:
Checked by:	Date:
Fed. Funct. Class:	
Terrain Type:	
Design Year:	
Design Year ADT.:	
Design Speed:	

Fed. Aid Proj. No.	HSIP - 000S(483)
Contract No.	TA -
R.A.P. Project No.	N\A

CRP No. 3735-06 HMA Overlay 2019 Omak-Riverside Eastside Rd.	SHEET 5 of 11
PLAN SHEET - 1	

X:\Current\3735-06 Omak Riverside Eastside\Plans 373506_2019.dwg



QUANTITY TABULATION		EMBANKMENT PLACE		MAILBOX SUPPORT TYPE 1		See GENERAL NOTES
(Standard Item Number)	MISCELLANEOUS	(0460)		(7562)		
STATION		C.Y.		EACH		
48+80 LT		5				
57+80 LT				1	1	
SHEET TOTAL		5		1		

*****GENERAL NOTES*****
 1. Mailbox Support Type 1
 Std. Plan H-70.10-01

LEGEND (Standard Item Number) [Standard Plan Number]

----- Existing Shoulder ○ See "Structure Notes" Sheet for Details

———— Paving Limits ⬡ (7562) Mailbox Support Type 1 [H-70.10-01]

Designed by: _____ Date: _____
 Drawn by: _____ Date: _____
 Checked by: _____ Date: _____
 Fed. Funct. Class: _____
 Terrain Type: _____
 Design Year: _____
 Design Year ADT.: _____
 Design Speed: _____

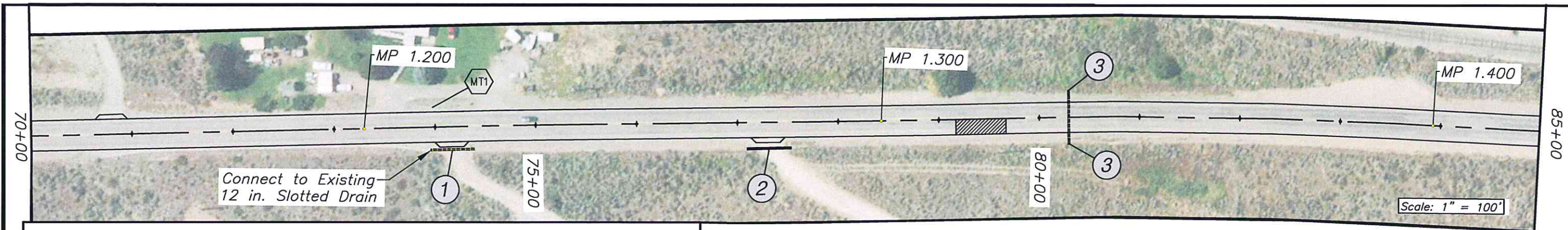
Fed. Aid Proj. No. HSIP - 000S(483)
 Contract No. TA -
 R.A.P. Project No. N\A

Approval Date: 11/1/19

Okanogan County
Department of Public Works
 1234-A 2nd Ave. S. 509-422-7300
 Okanogan, Washington 98840

CRP No. 3735-06
 HMA Overlay 2019
 Omak-Riverside Eastside Rd.
PLAN SHEET - 2

SHEET
6
 of
11



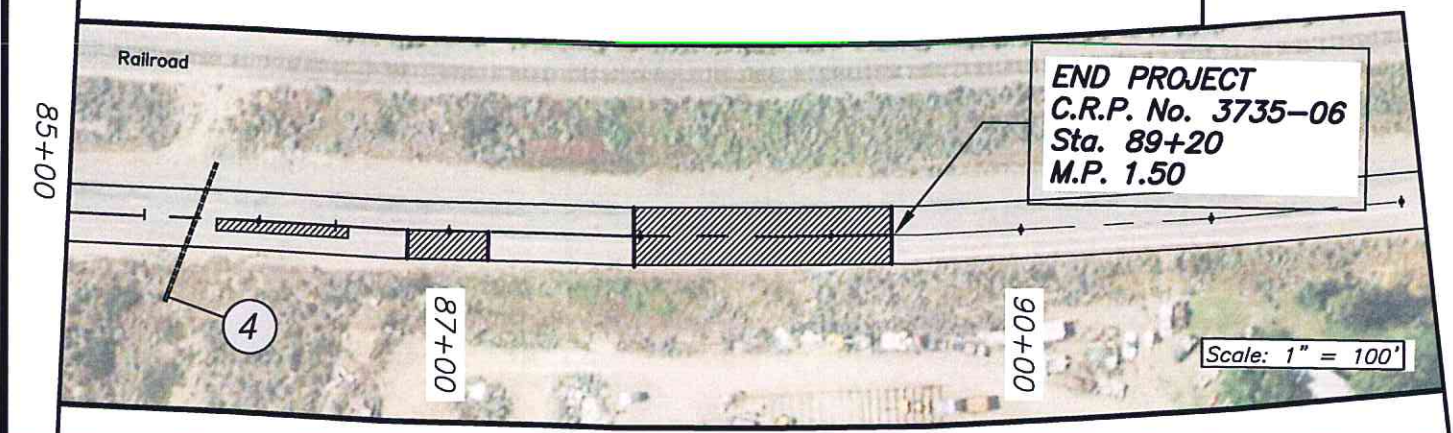
This space intentionally left blank



QUANTITY TABULATION				MAILBOX SUPPORT TYPE 1	See GENERAL NOTES
MISCELLANEOUS					
(Standard Item Number)		EMBANKMENT IN PLACE		(7562)	
STATION		C.Y.		EACH	
74+20 Lt.				1	1
SHEET TOTAL				1	
PROJECT TOTAL		5		2	

*****GENERAL NOTES*****

1. Mailbox Support Type 1
Std. Plan H-70.10-01



LEGEND (Standard Item Number) [Standard Plan Number]


----- Existing Shoulder ○ See "Structure Notes" Sheet for Details

===== Paving Limits MT1 (7562) Mailbox Support Type 1 [H-70.10-01]

Designed by: _____ Date: _____
 Drawn by: _____ Date: _____
 Checked by: _____ Date: _____
 Fed. Funct. Class: _____
 Terrain Type: _____
 Design Year: _____
 Design Year ADT.: _____
 Design Speed: _____

Fed. Aid Proj. No. HSIP - 000S(483)
 Contract No. TA -
 R.A.P. Project No. N/A


 Approval Date: 11/1/19

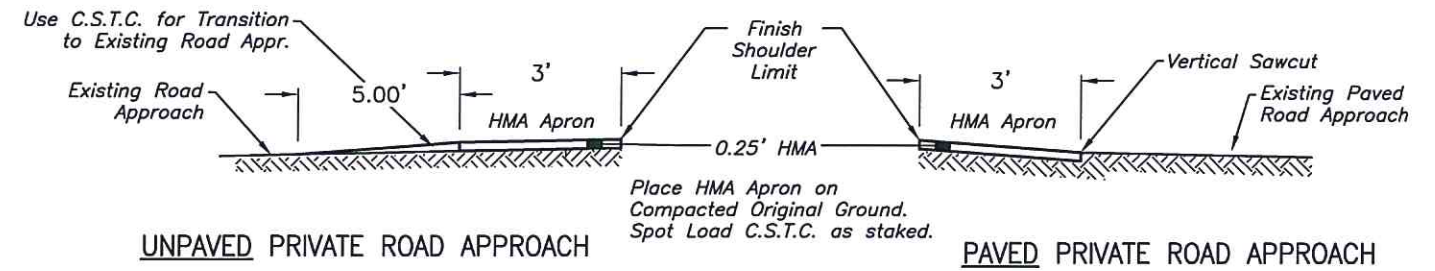
 **Okanogan County**
Department of Public Works
 1234-A 2nd Ave. S. 509-422-7300
 Okanogan, Washington 98840

CRP No. 3735-06
 HMA Overlay 2019
 Omak-Riverside Eastside Rd.
 PLAN SHEET - 3

SHEET
7
 of
11

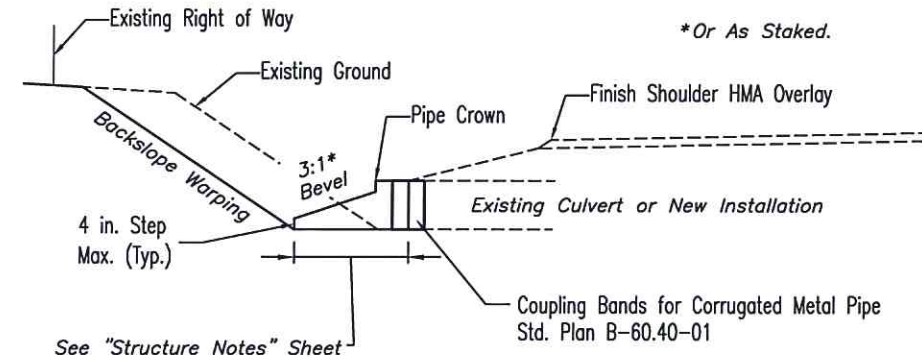
Station	Left	Right	Width	HMA	C.S.T.C.	Rdwy. Exc.	NOTES
			L.F.	Ton	Ton	C.Y.	
12+32	X		115	3	5		
22+78		X	26	4	1		
23+77	X		80	28	50	26	Brooks Tracts Rd.
31+67		X	30	3	1		
48+40	X		55	6	2		
57+60	X		32	3	1		
61+63	X		40	4	2		
62+26	X		40	4	2		
70+84	X		32	3	1		
73+56	X		26	2	1		
74+23		X	34	3	2		
74+61	X		36	3	2		
77+30		X	34	3	2		
Road Approach Total				73	72	26	

(Included in Project Total)

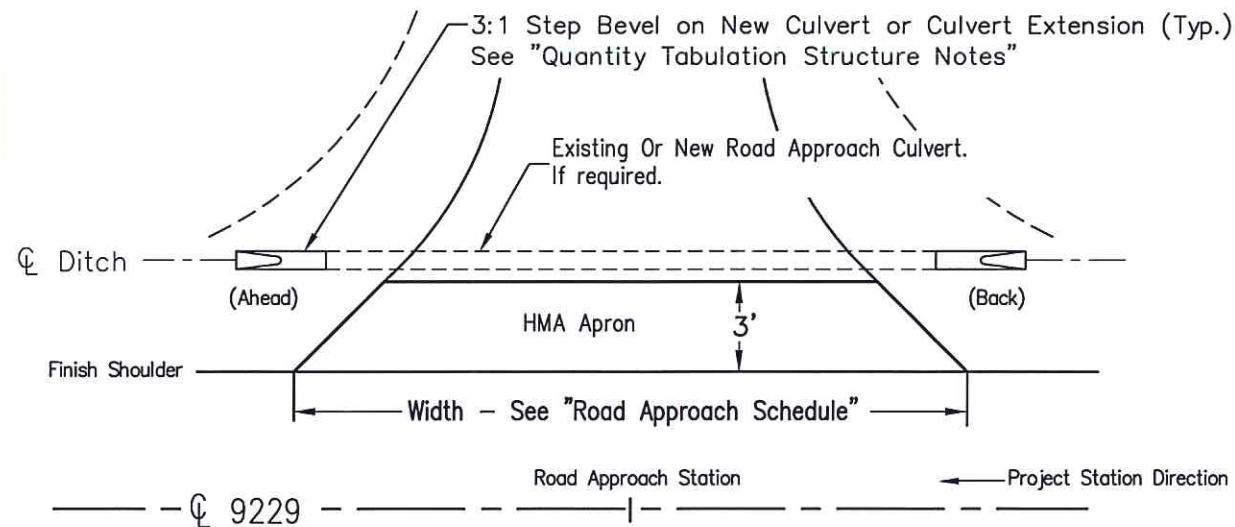


ROAD APPROACH TRANSITION DETAIL NTS

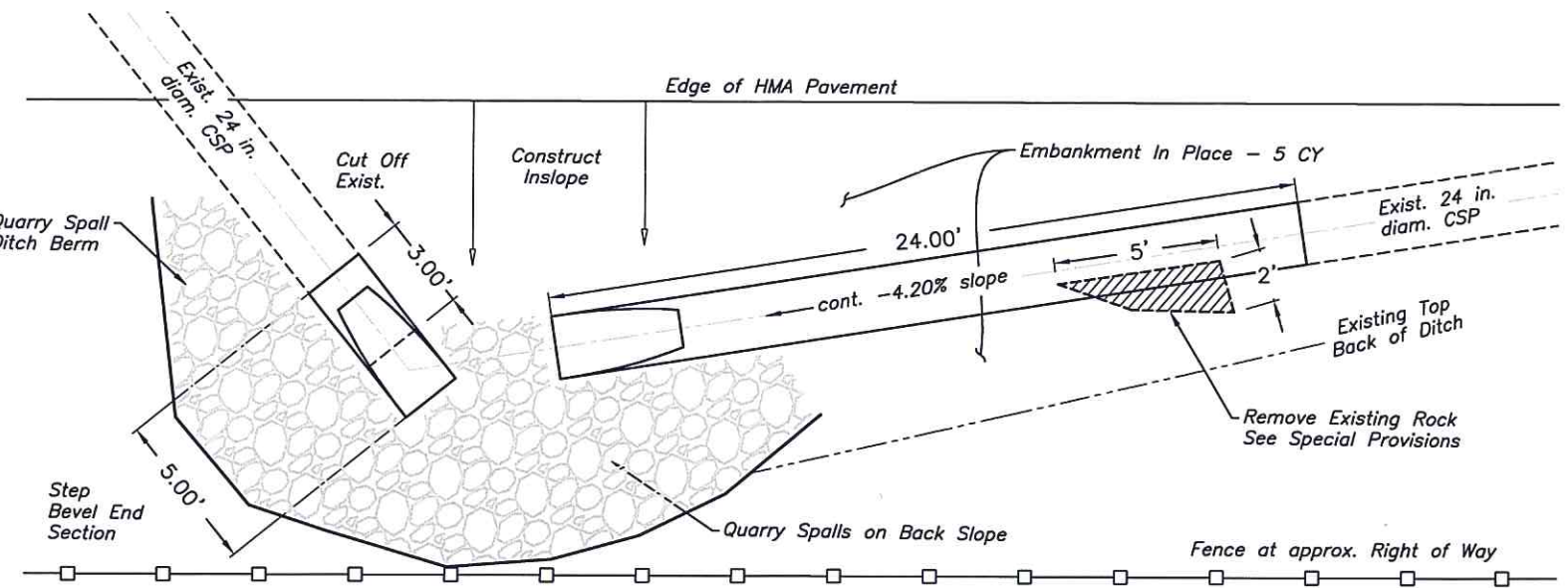
NOTES:
No encroachment on Right of Way.
Backslope Warping and Transition to Existing Ditchline is included in Bid Item "Trimming and Cleanup."
Field Cut Culvert shall have two coats of paint conforming to Galvanizing Repair Paint, High Zinc Content.
9-08.1(2)B



TYPICAL STEP BEVEL END SECTION NTS



TYPICAL ROAD APPROACH NOT TO SCALE



ROCK REMOVAL AND CULVERT INSTALLATION DETAIL
Sta. 40+48 Rt NOT TO SCALE

Designed by: _____ Date: _____
Drawn by: _____ Date: _____
Checked by: _____ Date: _____
Fed. Funct. Class: _____
Terrain Type: _____
Design Year: _____
Design Year ADT.: _____
Design Speed: _____

Fed. Aid Proj. No. HSIP - 000S(483)
Contract No. TA - _____
R.A.P. Project No. N/A



11/1/19
Approval Date



Okanogan County
Department of Public Works
1234-A 2nd Ave. S. 509-422-7300
Okanogan, Washington 98840

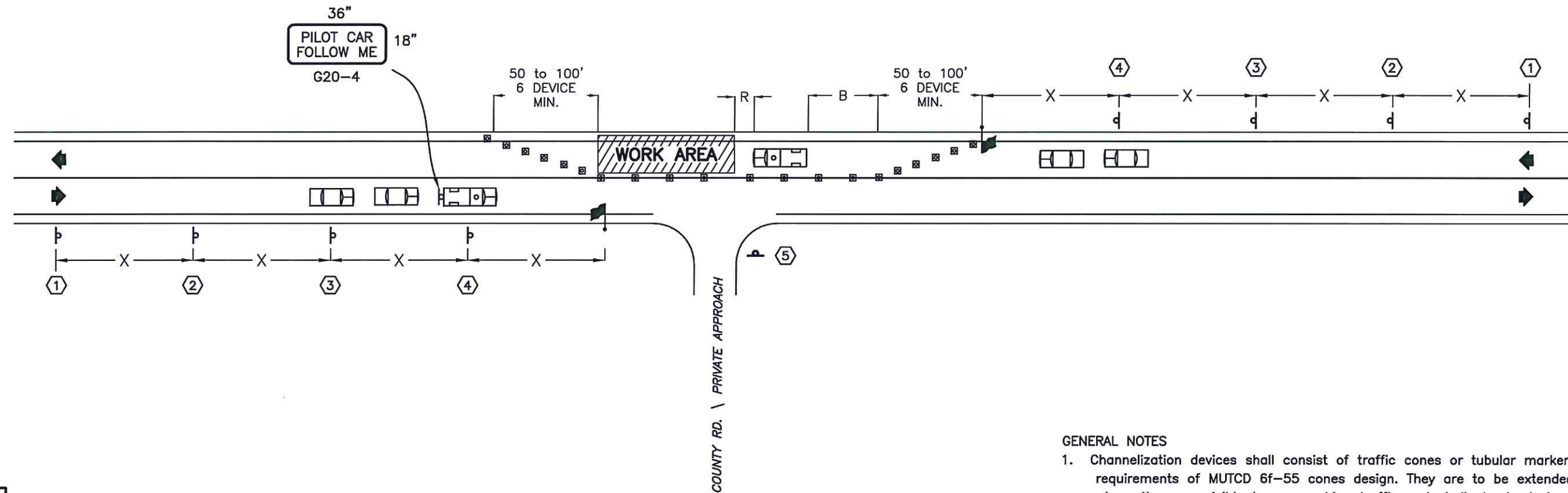
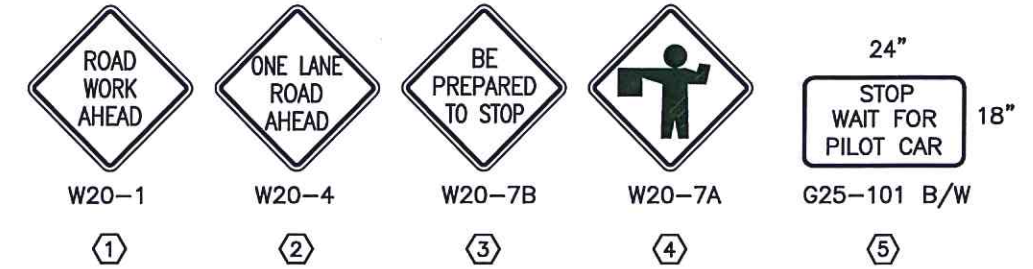
CRP No. 3735-06
HMA Overlay 2019
Omak-Riverside Eastside Rd.
ROAD APPROACH & CULVERT DETAILS

SHEET
8
of
11

CHANNELIZING DEVICE SPACING (FT)		
MPH	Taper	Tangent
50/55	40	80
35/45	30	60
25/30	20	40

SIGN SPACING = X (FT)		
Rural Roads	45/55 MPH	500'±
Urban Arterials	35/40 MPH	350'±
Urban Streets Residential & Business Districts	25/30 MPH	200'±

BUFFER DATA						
LONGITUDINAL BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (FEET)	155	200	250	305	360	425
PROTECTIVE VEHICLE (WORK VEHICLE) = R						
NO SPECIFIED DISTANCE REQUIRED						



LEGEND	
■ ■ ■	Temporary Traffic Control Devices
⌋	Sign
🚧	Flagger Station
🚗	Pilot Vehicle
🚚	Protective Vehicle W/ Warning Beacon
🚙	Motorist Vehicle

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

GENERAL NOTES

1. Channelization devices shall consist of traffic cones or tubular markers meeting the requirements of MUTCD 6f-55 cones design. They are to be extended to a point where they are visible to approaching traffic and shall clearly designate the route through the work area.
2. All signs shall have orange background with black legend unless otherwise noted.
3. All diamond shaped signs shall be 48" x 48".
4. This plan is for daylight use only.
5. The work area shown shall be adjusted throughout the Project length depending on the items being worked on.
6. Sign G25-101 is recommended for non-stop sign controlled approaches such as private roads and driveways. This sign is not required to be aluminum substrate and can be made of alternate materials.

Designed by:	Date:
Drawn by:	Date:
Checked by:	Date:
Fed. Funct. Class:	
Terrain Type:	
Design Year:	
Design Year ADT.:	
Design Speed:	

Fed. Aid Proj. No.	HSIP - 000S(483)
Contract No.	TA -
R.A.P. Project No.	N/A



11/1/19
Approval Date



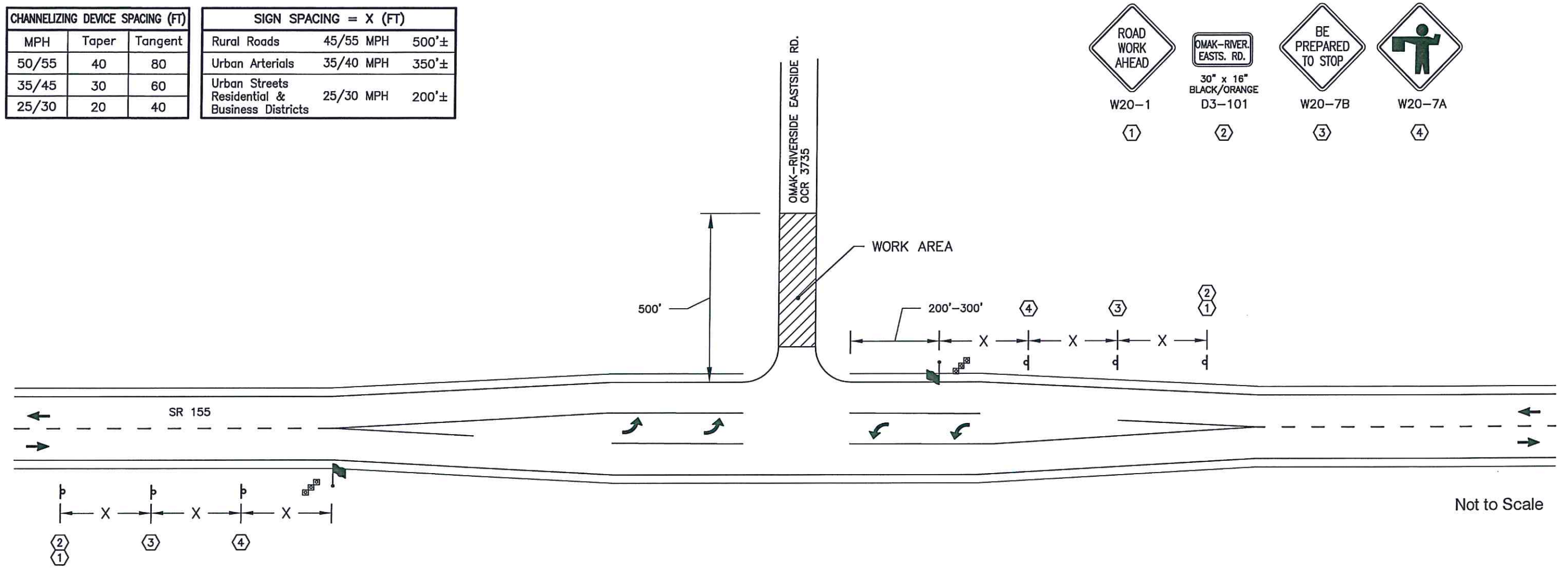
Okanogan County
Department of Public Works
1234-A 2nd Ave. S. 509-422-7300
Okanogan, Washington 98840

CRP No. 3735-06
HMA Overlay 2019
Omak-Riverside Eastside Rd.
TRAFFIC CONTROL PLAN

SHEET
9
of
11

CHANNELIZING DEVICE SPACING (FT)		
MPH	Taper	Tangent
50/55	40	80
35/45	30	60
25/30	20	40

SIGN SPACING = X (FT)		
Rural Roads	45/55 MPH	500'±
Urban Arterials	35/40 MPH	350'±
Urban Streets Residential & Business Districts	25/30 MPH	200'±



LEGEND	
	Temporary Traffic Control Devices
	Sign
	Flagger Station

CLASS B TRAFFIC CONTROL PLAN
FOR CONSTRUCTION ACTIVITY WITHIN
500 FEET OF SR 155 INTERSECTION

GENERAL NOTES

1. Channelization devices shall consist of traffic cones or tubular markers meeting the requirements of MUTCD 6f-55 cones design. They are to be extended to a point where they are visible to approaching traffic and shall clearly designate the route through the work area.
2. All signs shall have orange background with black legend unless otherwise noted.
3. All diamond shaped signs shall be 48" x 48".
4. This plan is for daylight use only.

Designed by:	Date:
Drawn by:	Date:
Checked by:	Date:
Fed. Funct. Class:	
Terrain Type:	
Design Year:	
Design Year ADT.:	
Design Speed:	

Fed. Aid Proj. No.	HSIP - 000S(483)
Contract No.	TA -
R.A.P. Project No.	N/A



Approval Date
11/1/19

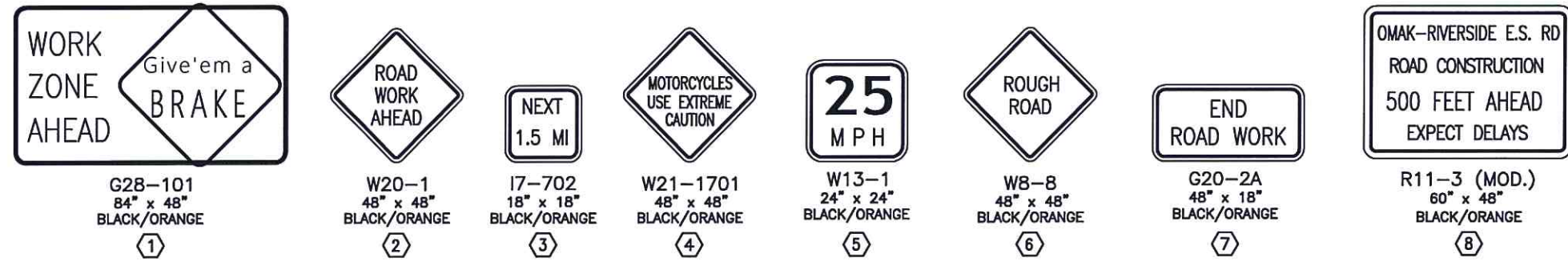
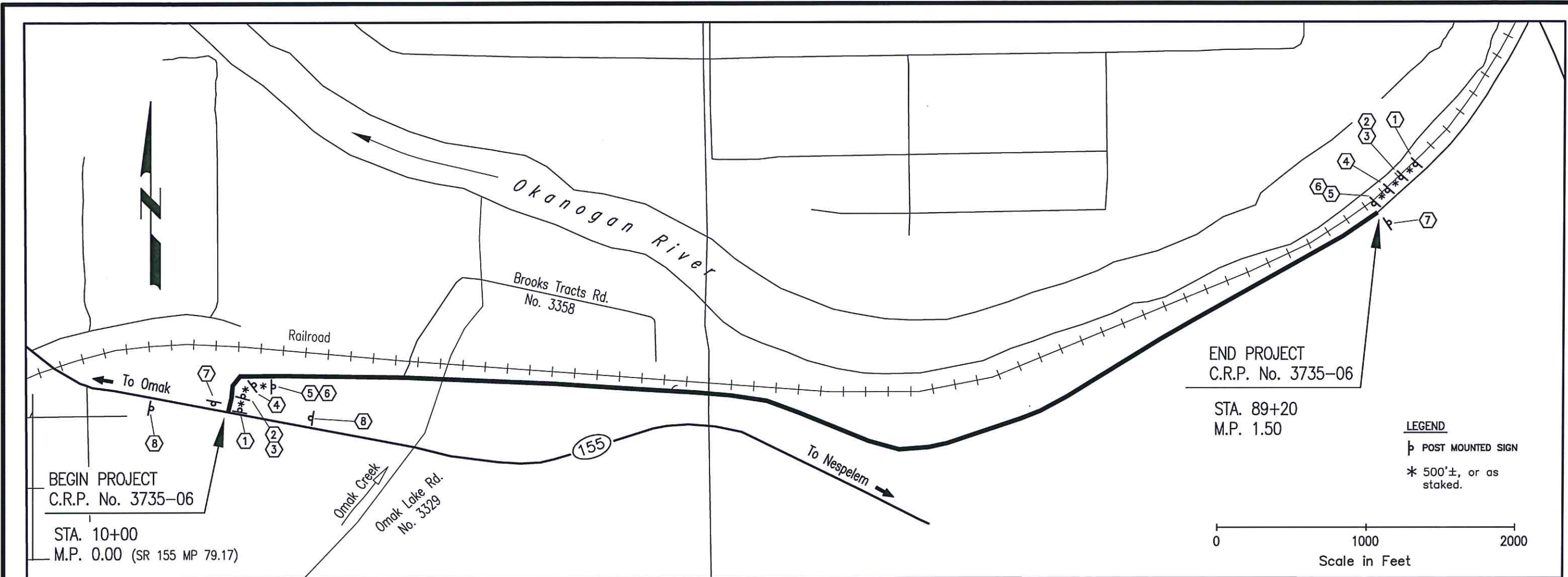


Okanogan County
Department of Public Works
1234-A 2nd Ave. S. 509-422-7300
Okanogan, Washington 98840

CRP No. 3735-06	SHEET
HMA Overlay 2019	
Omak-Riverside Eastside Rd.	10
TRAFFIC CONTROL PLAN SR 155 - INTERSECTION	of
	11

10
of
11

Not to Scale



Designed by:	Date:
Drawn by:	Date:
Checked by:	Date:
Fed. Funct. Class:	
Terrain Type:	
Design Year:	
Design Year ADT.:	
Design Speed:	

Fed. Aid Proj. No.	HSIP - 000S(483)
Contract No.	TA -
R.A.P. Project No.	N/A

CRP No. 3735-06
HMA Overlay 2019
Omak-Riverside Eastside Rd.
CONSTRUCTION SIGNS CLASS A

SHEET
11
of
11