

## REQUEST FOR BID

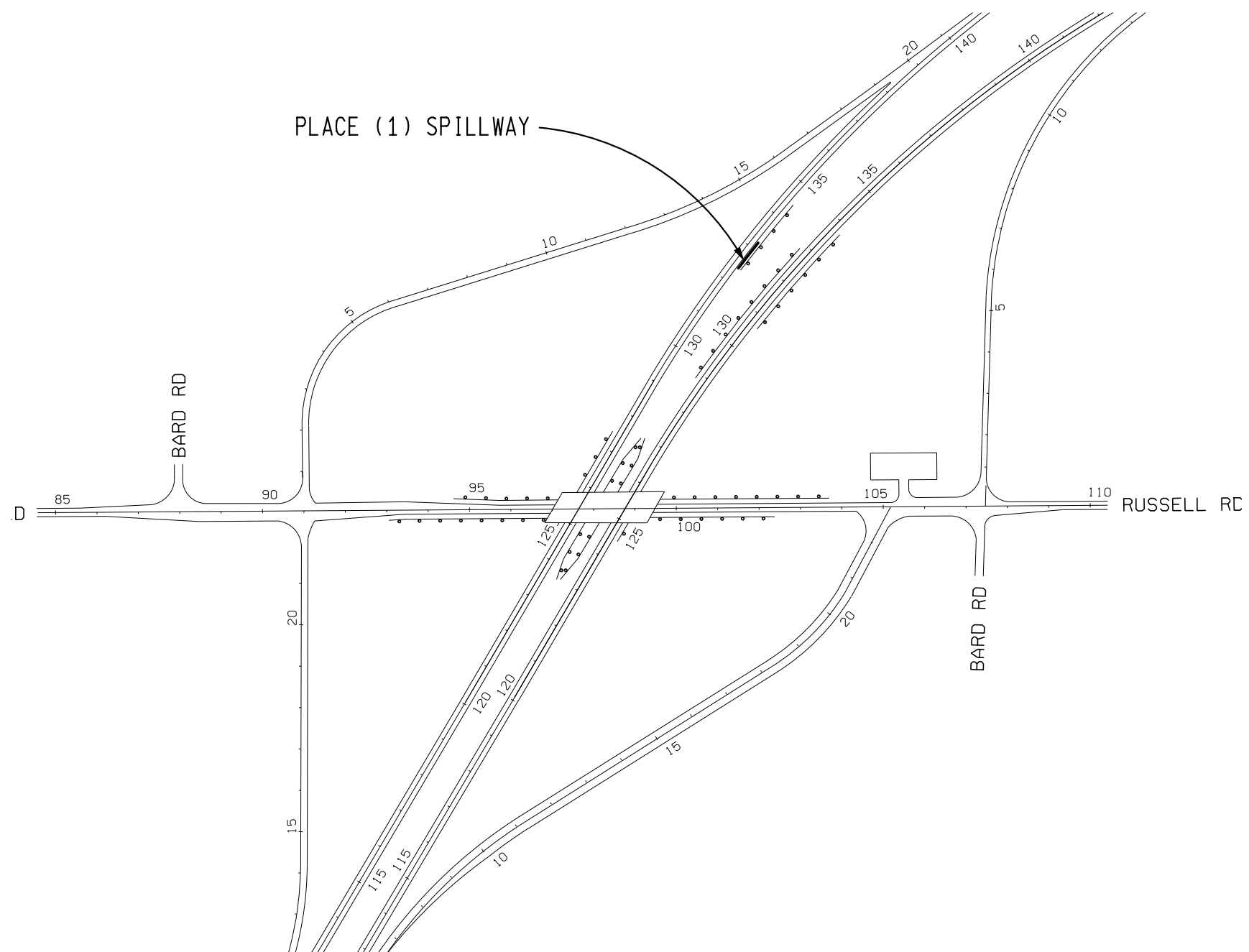
Project: Installation of 17 downspouts and 1 spillway along US-31 at CO RR overpass and Riley Thompson Road overpass (see attached drawings).

Maintaining Traffic: Will be provided by the active construction project. A lane closure and shoulder closure will be provided starting Monday morning and will be in place thru Friday afternoon of the week. No MOT work is included with this contract.

Schedule: The work is to be completed over the course of 2 weeks in mid-September. The week of September 11<sup>th</sup> a continuous closure will be in place on either the inside or outside lane/shoulder of both bounds of US-31. This will allow roughly half of the drainage work to be completed. The drainage work will be coordinated to occur at the same time as guardrail reconstruction work performed by Muskegon County and paving mainline/shoulder work performed by Reith-Riley. The following week, September 18<sup>th</sup>, the other lane/shoulder of both bounds will be closed to allow the remaining drainage work to be performed. If weather does not allow the work to be completed during these time frames, the work shall be completed the following week. All work must be completed by September 29<sup>th</sup>.

All bids must be received at the Muskegon County Road Commission by 3:00 p.m. on Wednesday, September 6<sup>th</sup>, 2017. Please contact Michael Eastman at (231) 777-3451 if you have any questions about the contents of the bid.

SB US-31 NB US-31



PLACE (1) SPILLWAY



NOTES

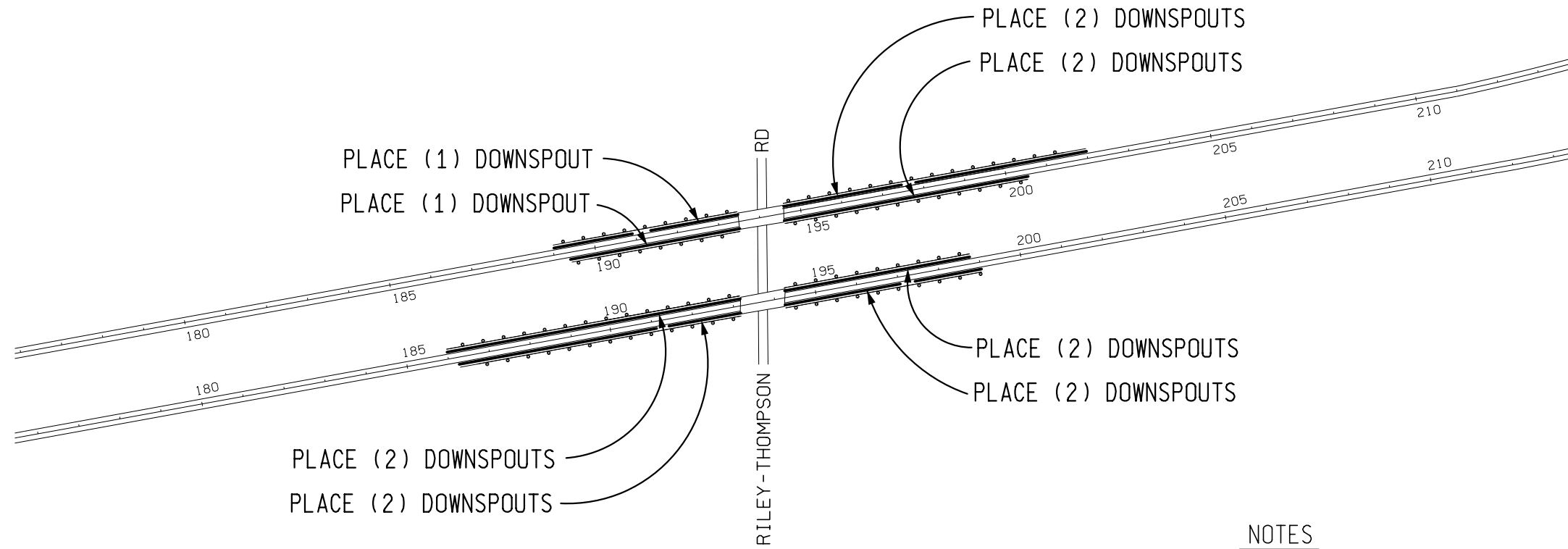
1. SPILLWAY LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ALL SHOULDER PAVING, GUARDRAIL REMOVAL & RECONSTRUCTION AND TRAFFIC CONTROL SHALL BE BY OTHERS.

SPILLWAY QUANTITIES

15 Ft Spillway, HMA  
 10 Syd Riprap, Plain

SB US-31 NB US-31

FINAL ROW PLAN REVISIONS				(SUBMITTAL DATE: )					VERT. (FT) 		DATE: 8/30/17	CS: 61075	SPILLWAY UPGRADE		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		HORZ. (FT) 		DESIGN UNIT: FREDRICKSON	JN: 120077A	US-31 AT RUSSELL ROAD OVERPASS			SECT 2
FILE: US-31 RUSSELL DOWNSPOUTS.dgn										TSC: MUSKEGON						



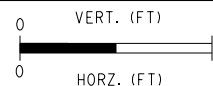
NOTES

1. DOWNSPOUT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ALL PAVING, GUARDRAIL REMOVAL & RECONSTRUCTION AND TRAFFIC CONTROL SHALL BE BY OTHERS.

DOWNSPOUT QUANTITIES

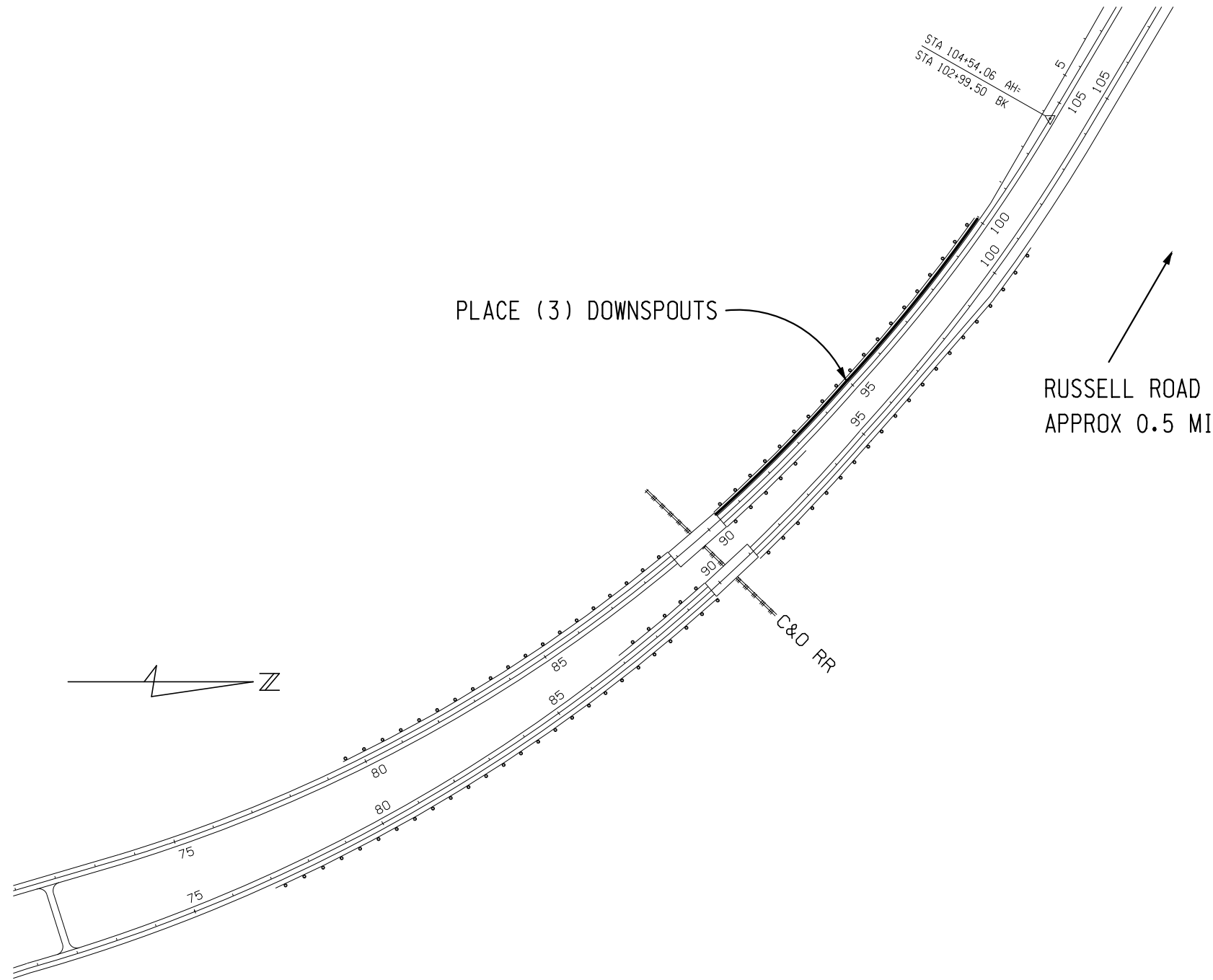
14 Ea	Downspout Header, Conc
430 Ft	Culv, CI A, 15 inch
14 Cyd	Conc, Grade S2
65 Lb	Reinforcement, Steel, Culv and Headwall
210 Syd	Riprap, Plain
14 Ea	Dr Marker Post
1120 Syd	Slope Restoration, Type B

FINAL ROW PLAN REVISIONS				(SUBMITTAL DATE: )			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DATE: 8/30/17	CS: 61075	DRAWING SHEET
DESIGN UNIT: FREDRICKSON	JN: 120077A	
FILE: US-31 RILEYTHOMPSON SHEET DOWNSPO	TSC: MUSKEGON	DOWNSPOUT UPGRADES
		US-31 AT RILEY-THOMPSON OVERPASS
		SECT 2

SB US-31 NB US-31



NB US-31 SB US-31

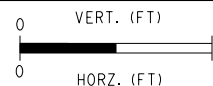
NOTES

1. DOWNSPOUT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ALL PAVING, GUARDRAIL REMOVAL & RECONSTRUCTION AND TRAFFIC CONTROL SHALL BE BY OTHERS.

DOWNSPOUT QUANTITIES

3 Ea	Downspout Header, Conc
80 Ft	Culv, CI A, 15 inch
3 Cyd	Conc, Grade S2
140 Lb	Reinforcement, Steel, Culv and Headwall
45 Syd	Riprap, Plain
3 Ea	Dr Marker Post
180 Syd	Slope Restoration, Type B

FINAL ROW PLAN REVISIONS				(SUBMITTAL DATE: )			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DATE: 8/30/17	CS: 61075	DRAWING	SHEET
DESIGN UNIT: FREDRICKSON	JN: 120077A		
TSC: MUSKEGON			
FILE: US-31 C0 RR SHEET DOWNSPOUTS.dgn			
DOWNSPOUT UPGRADES			
US-31 AT C&O RR OVERPASS			