

NOTES:

- THIS SIGN LAYOUT IS INTENDED TO BE A PERMANENT INSTALLATION FOR THE DURATION OF THE CONSTRUCTION PROJECT, AS APPROVED BY THE PROJECT MANAGER. COVER OR REMOVE ANY SIGNS WHEN NOT IN USE, INCLUDING UNWARRANTED SPEED LIMIT SIGNS. REMOVE ANY SIGN SUPPORTS IF THEY WILL NOT BE NEEDED WITHIN 90 DAYS.
- POST THE END OF WORK ZONE SPEED LIMIT USING ONE SIGN WHEN THE NORMAL POSTED SPEED LIMIT FOR ALL VEHICLES IS THE SAME. USE TWO SIGNS WHEN CAR, TRUCK AND NIGHTTIME SPEED LIMITS ARE DIFFERENT.
- INCLUDE REGULATORY SIGNING ONLY IF A WORK ZONE OR ROADWAY HAS CONDITIONS THAT WARRANT SPEED RESTRICTIONS. MODIFY REGULATORY SIGNS TO MATCH ADJACENT REGULATIONS.
- IN ADDITION TO THE SIGNS SHOWN, INCLUDE THE APPROPRIATE TWO-LANE WORK AREA SIGNS (DTL. DWG. 618-08) WHEN A WORK AREA IS LOCATED AT THE BEGINNING OR END OF THE WORK ZONE.
- SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION.
- POST THE SPEED LIMIT APPROPRIATE FOR ALL VEHICLES FOR THE REMAINDER OF THE WORK ZONE BEFORE RESUMING TO NORMAL POSTED SPEED LIMITS AT THE END OF THE WORK ZONE.

* DENOTES SIGNS UNIQUE TO MONTANA.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWINGS

REFERENCE DWG. NO.
STANDARD SPEC. 618-04
SECTION 618

TWO-LANE WORK ZONE

EFFECTIVE: JAN 23, 2020

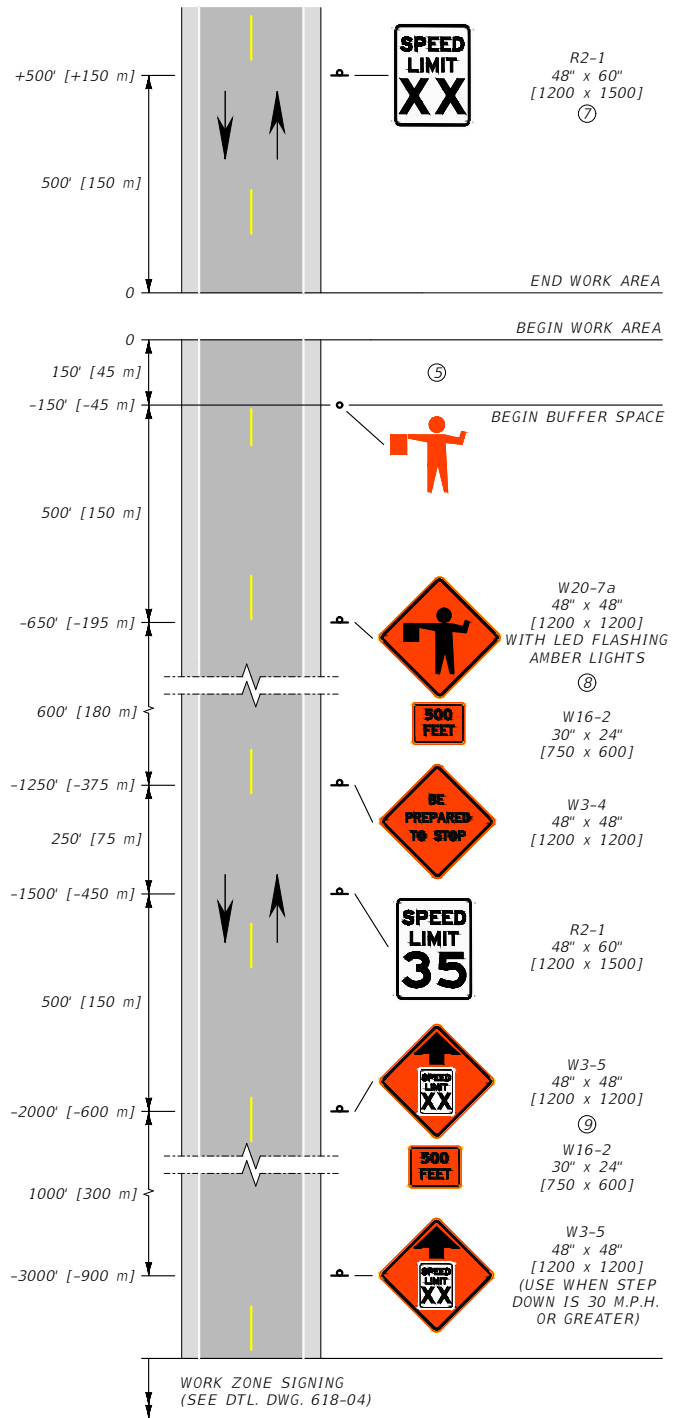
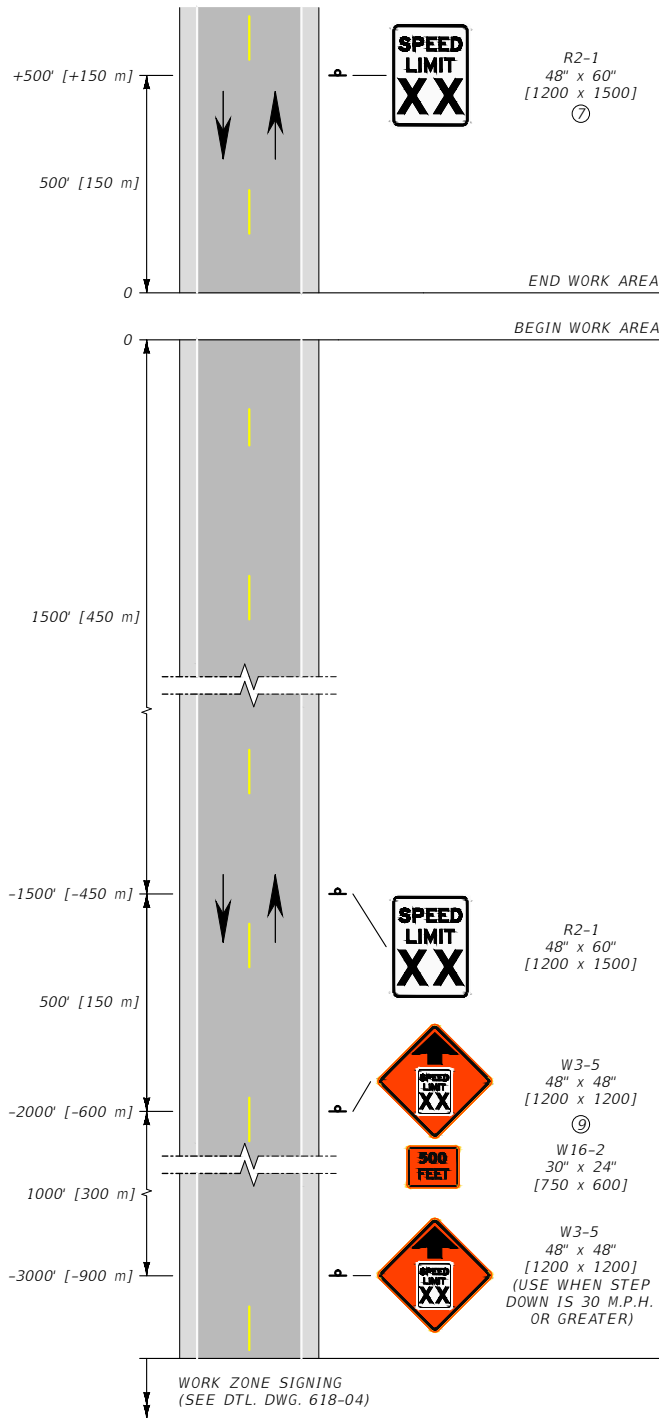


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NOTES:

- ① THESE SIGN LAYOUTS ALSO USED IN CONJUNCTION WITH THE PERMANENT LAYOUT ILLUSTRATED ON DTL. DWG. 618-04 FOR WORK AREAS LOCATED AT THE BEGIN AND END OF THE WORK ZONES.
- ② XX = SPEED DETERMINED BY THE PROJECT MANAGER.
- ③ INCLUDE REGULATORY SIGNING ONLY IF THERE IS REASON TO RESTRICT SPEED WITHIN THE WORK ZONE. REMOVE OR COVER EXISTING REGULATORY SIGNS TO MATCH ADJACENT REGULATIONS.
- ④ SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION. COMBINE SUCCESSIVE WORK AREAS WHEN LESS THAN 1.0 MILE [1.6 km] APART.
- ⑤ BUFFER SPACE MAY BE INCREASED FOR DOWNGRADES AND OTHER CONDITIONS AFFECTING STOPPING DISTANCE.
- ⑥ PROVIDE A SECOND FLAGGER WHEN REQUIRED PER SECTION 618.
- ⑦ POST THE SPEED LIMIT APPROPRIATE FOR ALL VEHICLES FOR THE REMAINDER OF THE WORK ZONE BEFORE RESUMING TO NORMAL POSTED SPEED LIMITS AT THE END OF THE WORK ZONE.
- ⑧ AMBER LED FLASHERS MUST MEET STANDARD SPECIFICATION SECTION 715 AND DTL. DWG. 618-01 REQUIREMENTS.
- ⑨ INCLUDE THESE SIGNS WITH ALL FLAGGERS. INCLUDE THESE SIGNS WITHIN WORK ZONES WHEN STEP DOWN IS 20 M.P.H. OR GREATER.

* DENOTES SIGNS UNIQUE TO MONTANA.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWINGS

REFERENCE	DWG. NO.
STANDARD SPEC.	618-08
SECTION 618, 715	

TWO-LANE WORK AREAS

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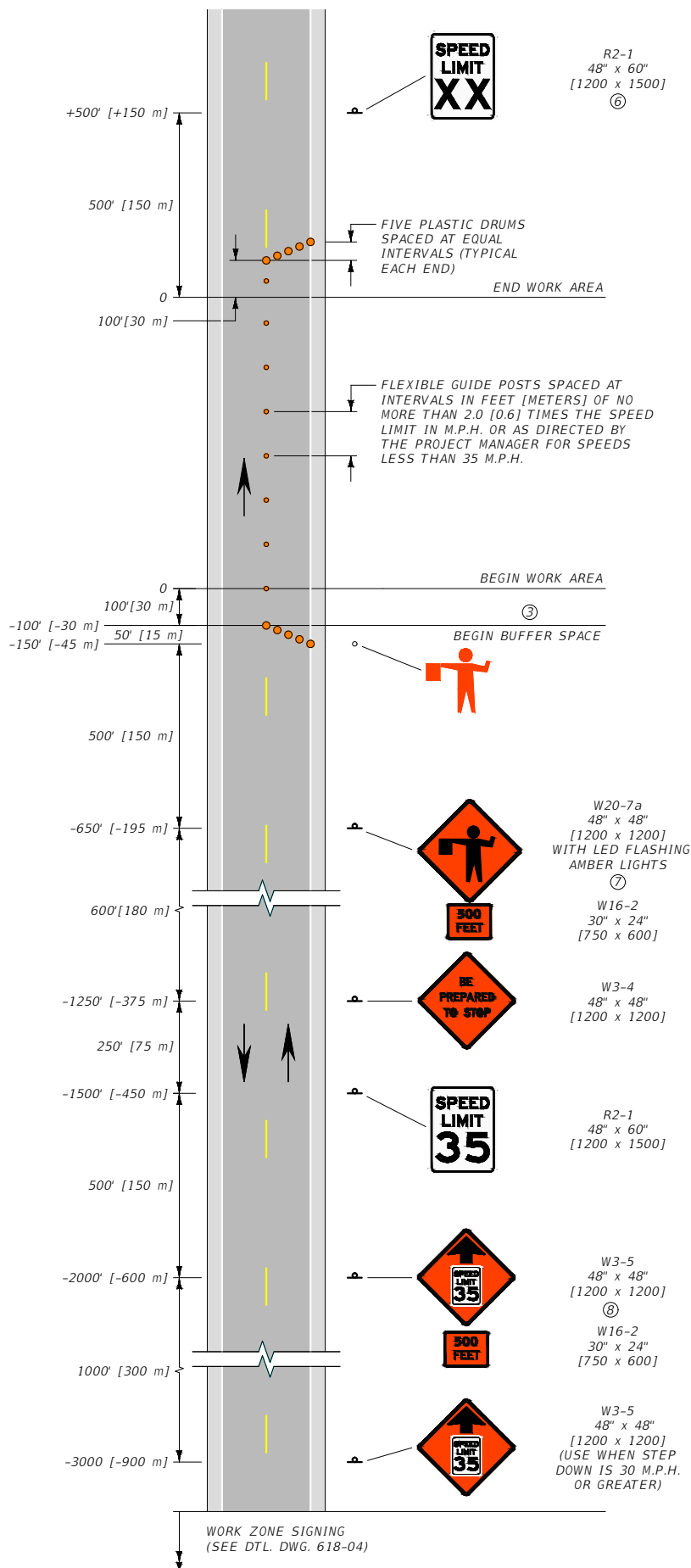


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NOTES:

- ① MODIFY REGULATORY SIGNS TO MATCH ADJACENT REGULATIONS.
- ② SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION.
- ③ THE BUFFER SPACE MAY BE INCREASED FOR DOWNGRADES AND OTHER CONDITIONS AFFECTING STOPPING DISTANCE.
- ④ PROVIDE A SECOND FLAGGER WHEN REQUIRED BY SECTION 618.03.14.
- ⑤ XX = SPEED DETERMINED BY PROJECT MANAGER.
- ⑥ POST THE SPEED LIMIT APPROPRIATE FOR ALL VEHICLES FOR THE REMAINDER OF THE WORK ZONE BEFORE RESUMING TO NORMAL POSTED SPEED LIMITS AT THE END OF THE WORK ZONE.
- ⑦ AMBER LED FLASHERS MUST MEET STANDARD SPECIFICATION SECTION 715 AND DTL. DWG. 618-01 REQUIREMENTS.
- ⑧ INCLUDE THESE SIGNS WITH ALL FLAGGERS. INCLUDE THESE SIGNS WITHIN WORK ZONES WHEN STEP DOWN IS 20 M.P.H. OR GREATER.

* DENOTES SIGNS UNIQUE TO MONTANA.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWINGS

REFERENCE	DWG. NO.
STANDARD SPEC.	618-12
SECTION 618, 715	

TWO-LANE WORK AREA LANE CLOSURE - FLAGGER CONTROLLED

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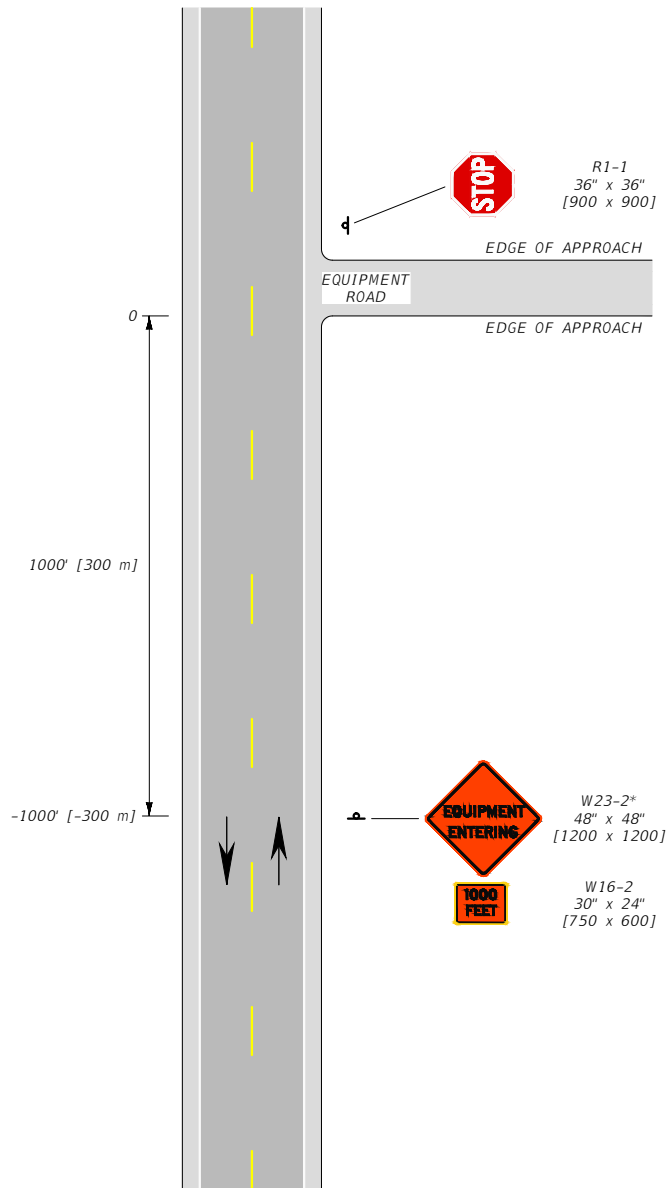


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NOTES:

- ① REFER TO DTL. DWG. 618-16 IF FLAGGER IS NEEDED.
 - ② SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION, AS NEEDED.
- * DENOTES SIGNS UNIQUE TO MONTANA.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWINGS

REFERENCE	DWG. NO.
STANDARD SPEC.	618-14
SECTION 618	

TWO-LANE EQUIPMENT ENTRANCES

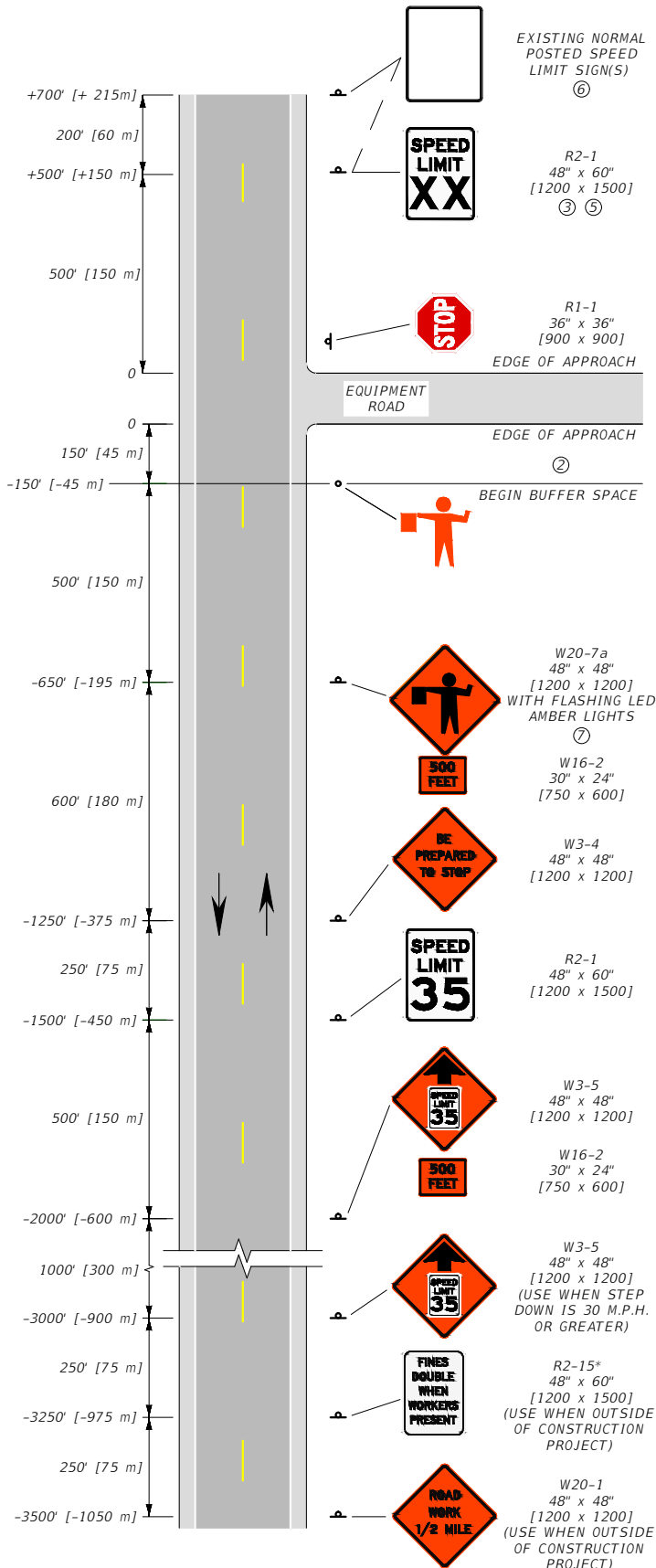
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EQUIPMENT ENTRANCE WITH FLAGGER

NOTES:

- SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION, AS NEEDED.
- BUFFER SPACE MAY BE INCREASED FOR DOWNGRADES AND OTHER CONDITIONS AFFECTING STOPPING DISTANCE.
- XX = SPEED DETERMINED BY THE PROJECT MANAGER.
- WHEN THIS SIGN LAYOUT OCCURS OUTSIDE A CONSTRUCTION PROJECT, INCLUDE THE W20-1 AND R2-15* SIGNS.
- POST THE SPEED LIMIT APPROPRIATE FOR ALL VEHICLES FOR THE REMAINDER OF THE WORK ZONE BEFORE RESUMING TO NORMAL POSTED SPEED LIMITS AT THE END OF THE WORK ZONE.
- OUTSIDE THE PROJECT, USE A SINGLE SIGN TO POST THE SPEED LIMIT WHEN THE NORMALLY POSTED SPEED LIMIT IS THE SAME FOR ALL VEHICLES. USE TWO SEPARATE SPEED LIMIT SIGNS TO DENOTE TRUCK SPEED LIMIT, AND CAR DAYTIME/NIGHTTIME SPEED LIMITS.
- ENSURE AMBER LED FLASHERS MEET STANDARD SPECIFICATION SECTION 715 AND DTL. DWG. 618-01 REQUIREMENTS.

* DENOTES SIGNS UNIQUE TO MONTANA.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWINGS

REFERENCE	DWG. NO.
STANDARD SPEC.	618-16
SECTION 618, 715	

TWO-LANE EQUIPMENT ENTRANCES

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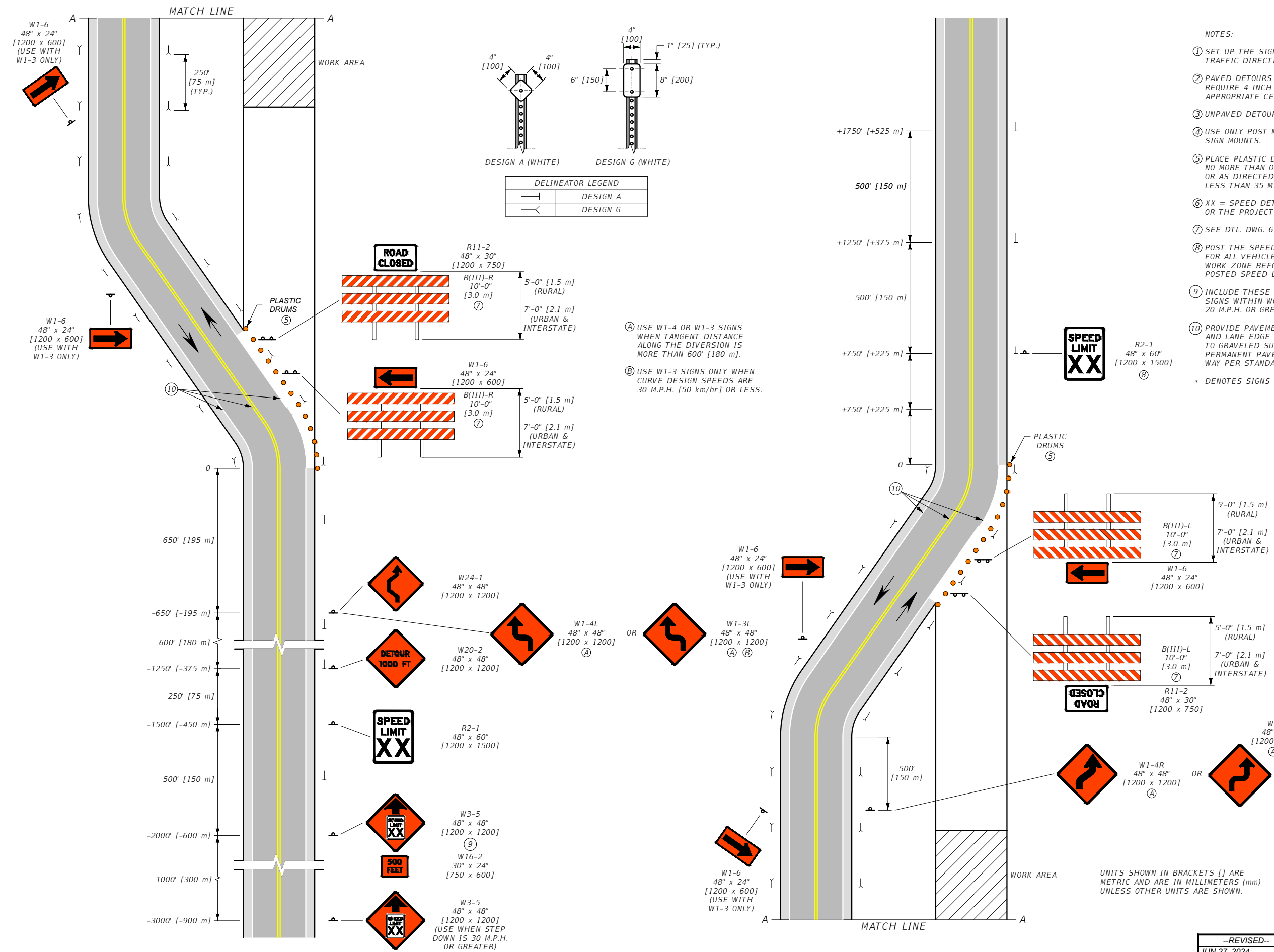
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- NOTES:
- 1 SET UP THE SIGN LAYOUT IN THIS DRAWING FOR BOTH TRAFFIC DIRECTIONS.
 - 2 PAVED DETOURS 24 FEET [7.2 m] WIDE OR GREATER REQUIRE 4 INCH [100] WHITE SHOULDER STRIPES AND APPROPRIATE CENTERLINE STRIPES.
 - 3 UNPAVED DETOURS MAY REQUIRE ADDITIONAL DELINEATION.
 - 4 USE ONLY POST MOUNTED SIGNS. DO NOT USE PORTABLE SIGN MOUNTS.
 - 5 PLACE PLASTIC DRUMS AT INTERVALS IN FEET [METERS] OF NO MORE THAN ONE [0.3] TIMES THE SPEED LIMIT IN M.P.H. OR AS DIRECTED BY THE PROJECT MANAGER FOR SPEEDS LESS THAN 35 M.P.H.
 - 6 XX = SPEED DETERMINED BY THE DETOUR DESIGN SPEED OR THE PROJECT MANAGER.
 - 7 SEE DTL. DWG. 618-03.
 - 8 POST THE SPEED LIMIT APPROPRIATE FOR ALL VEHICLES FOR THE REMAINDER OF THE WORK ZONE BEFORE RESUMING TO NORMAL POSTED SPEED LIMITS AT THE END OF THE WORK ZONE.
 - 9 INCLUDE THESE SIGNS WITH ALL FLAGGERS. INCLUDE THESE SIGNS WITHIN WORK ZONES WHEN STEP DOWN IS 20 M.P.H. OR GREATER.
 - 10 PROVIDE PAVEMENT MARKINGS TO DELINEATE CENTERLINE AND LANE EDGE LINE THROUGHOUT TRANSITION FROM PAVED TO GRAVELED SURFACE. REMOVE NO LONGER APPLICABLE PERMANENT PAVEMENT MARKINGS WITHIN THE TRAVELED WAY PER STANDARD SPECIFICATION 618.03.5.
- * DENOTES SIGNS UNIQUE TO MONTANA.



DETAILED DRAWINGS

REFERENCE DWG. NO.
STANDARD SPEC. 618-18
SECTION 618

TWO-LANE WORK ZONE DIVERSION

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