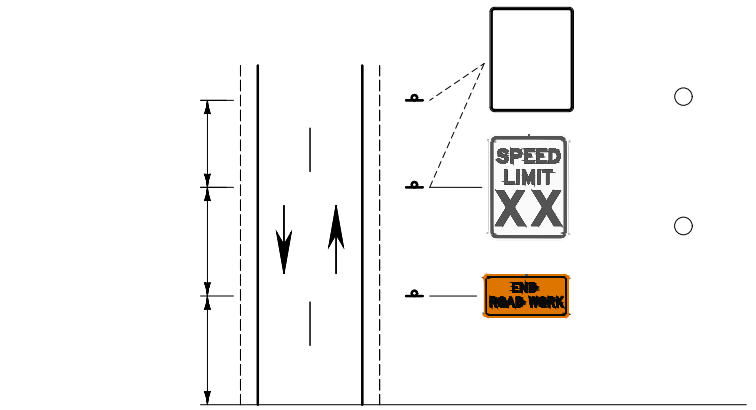
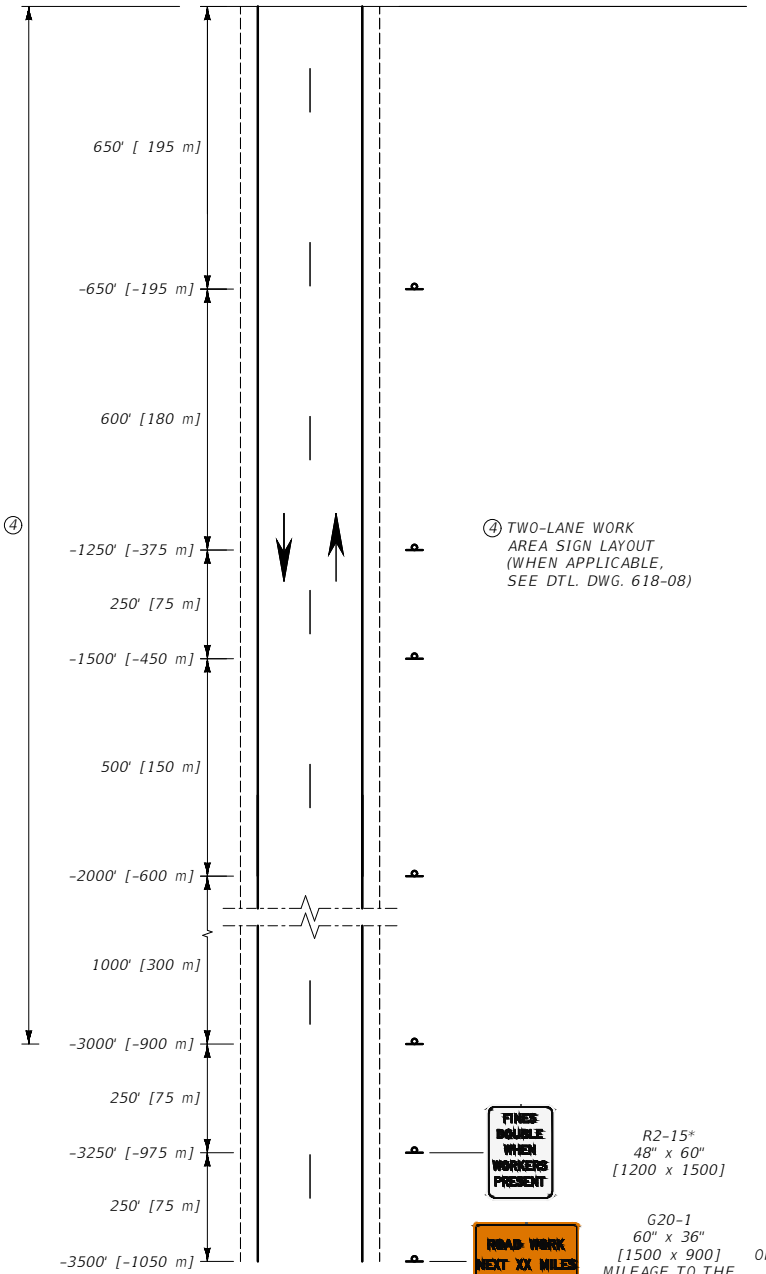




④ TWO-LANE WORK AREA SIGN LAYOUT (WHEN APPLICABLE, SEE DTL. DWG. 618-08)

R2-15*
48" x 60"
[1200 x 1500]

G20-1
60" x 36"
[1500 x 900]
MILEAGE TO THE
NEAREST MILE

OR



W20-1
48" x 48"
[1200 x 1200]
(USE WHEN
LESS THAN
2 MILES)

THAT WARRANT SPEED RESTRICTIONS. MODIFY REGULATORY SIGNS TO MATCH ADJACENT REGULATIONS.

④ 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.

⑤ SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION.

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.

* DENOTES SIGNS UNIQUE TO MONTANA.

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

DETAILED DRAWINGS

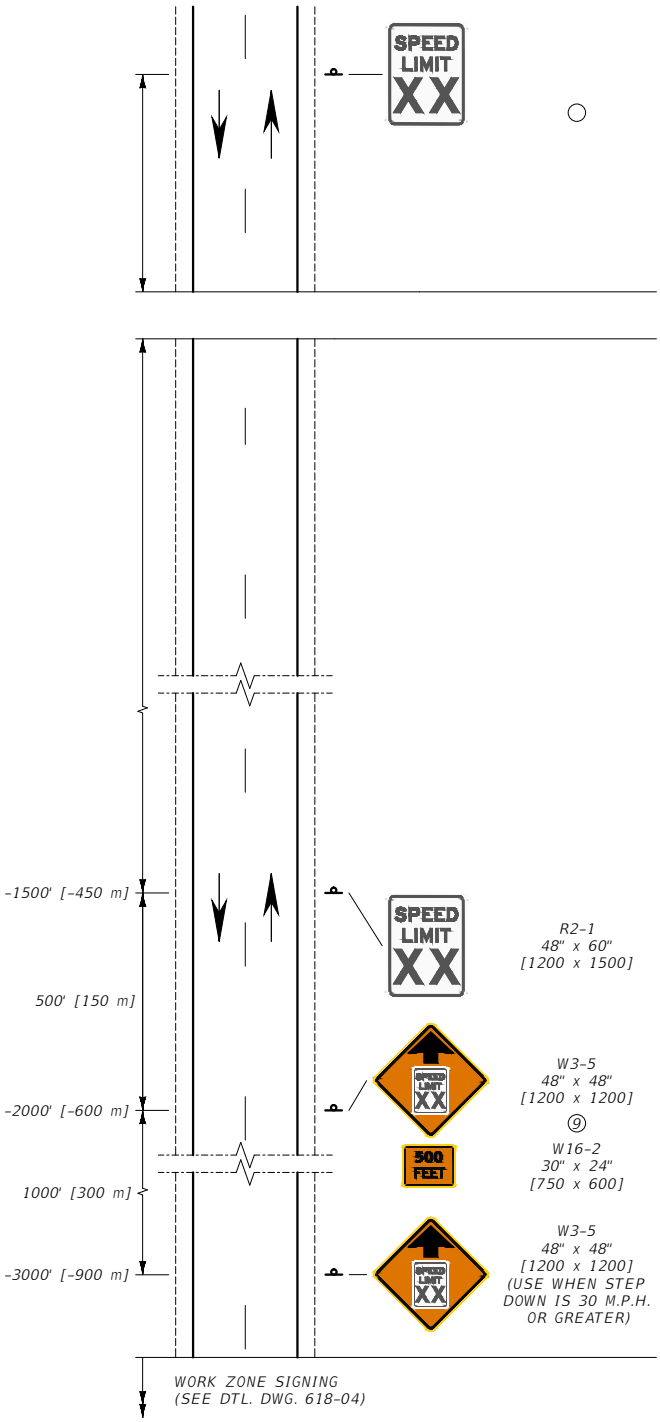
REFERENCE
STANDARD SPEC.
SECTION 618

TWO-LANE WORK ZONE

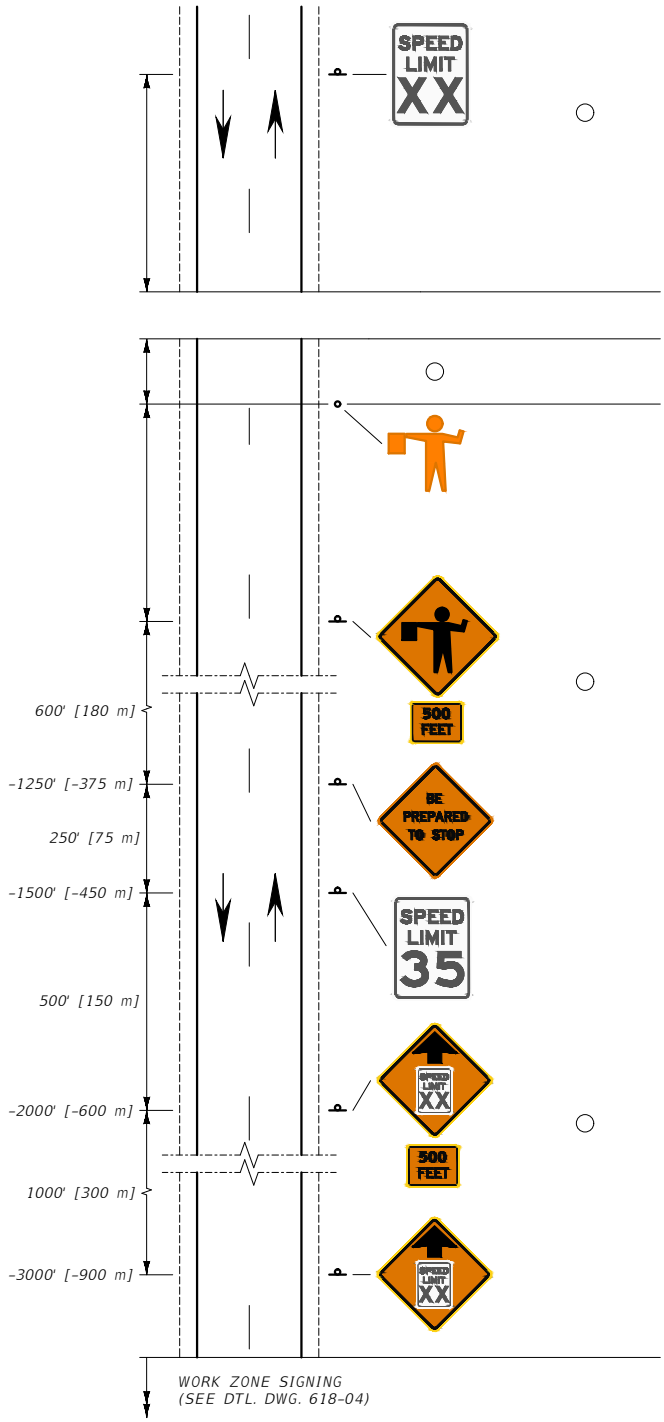
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WORK AREA WITH NO FLAGGER



WORK AREA WITH FLAGGER

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

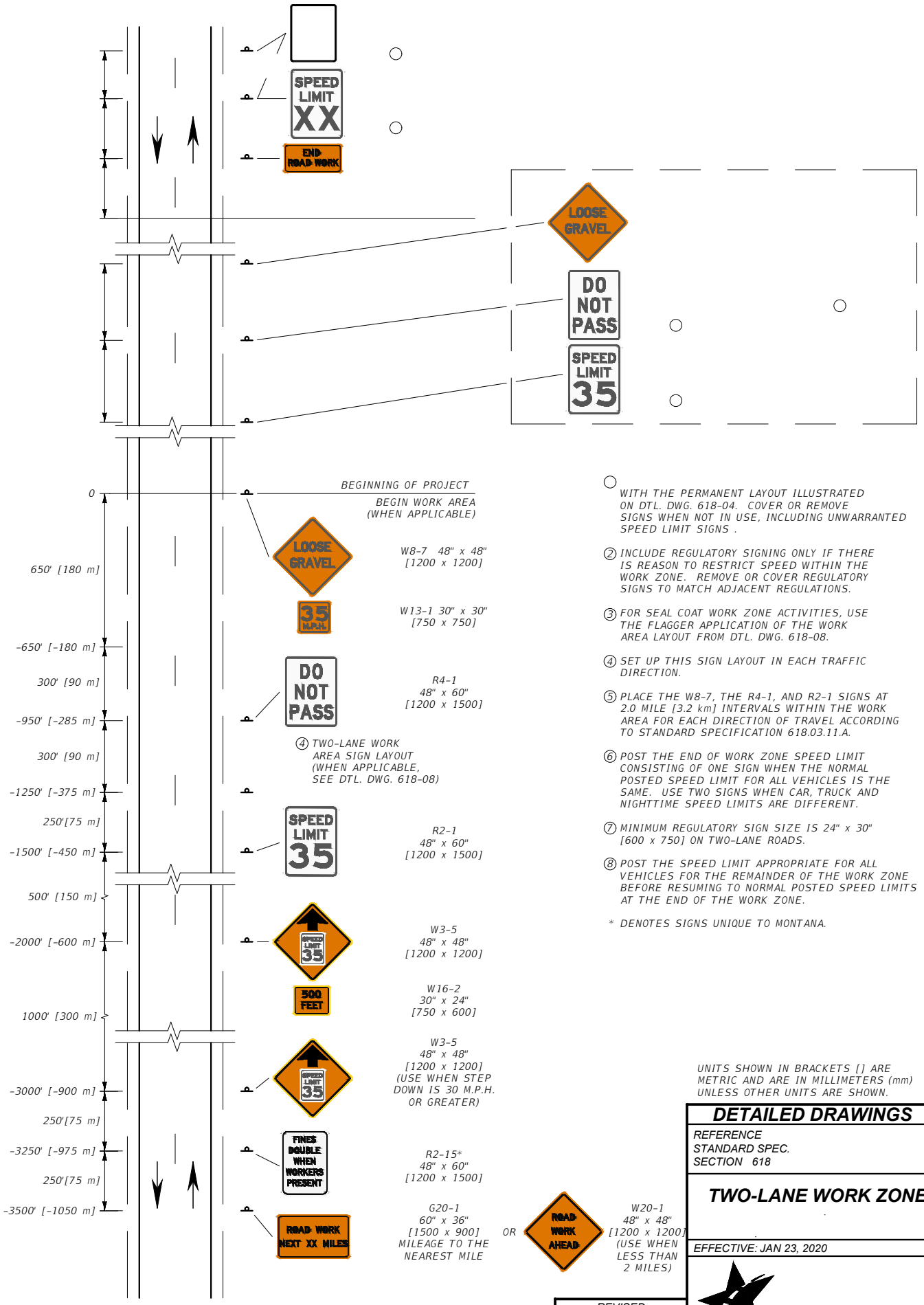
REFERENCE
STANDARD SPEC.
SECTION 618, 715

TWO-LANE WORK AREAS

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○ WITH THE PERMANENT LAYOUT ILLUSTRATED ON DTL. DWG. 618-04. COVER OR REMOVE SIGNS WHEN NOT IN USE, INCLUDING UNWARRANTED SPEED LIMIT SIGNS .

② INCLUDE REGULATORY SIGNING ONLY IF THERE IS REASON TO RESTRICT SPEED WITHIN THE WORK ZONE. REMOVE OR COVER REGULATORY SIGNS TO MATCH ADJACENT REGULATIONS.

③ FOR SEAL COAT WORK ZONE ACTIVITIES, USE THE FLAGGER APPLICATION OF THE WORK AREA LAYOUT FROM DTL. DWG. 618-08.

④ SET UP THIS SIGN LAYOUT IN EACH TRAFFIC DIRECTION.

⑤ PLACE THE W8-7, THE R4-1, AND R2-1 SIGNS AT 2.0 MILE [3.2 km] INTERVALS WITHIN THE WORK AREA FOR EACH DIRECTION OF TRAVEL ACCORDING TO STANDARD SPECIFICATION 618.03.11.A.

⑥ POST THE END OF WORK ZONE SPEED LIMIT CONSISTING OF 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.

⑦ MINIMUM REGULATORY SIGN SIZE IS 24" x 30" [600 x 750] ON TWO-LANE ROADS.

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.

* DENOTES SIGNS UNIQUE TO MONTANA.

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

DETAILED DRAWINGS

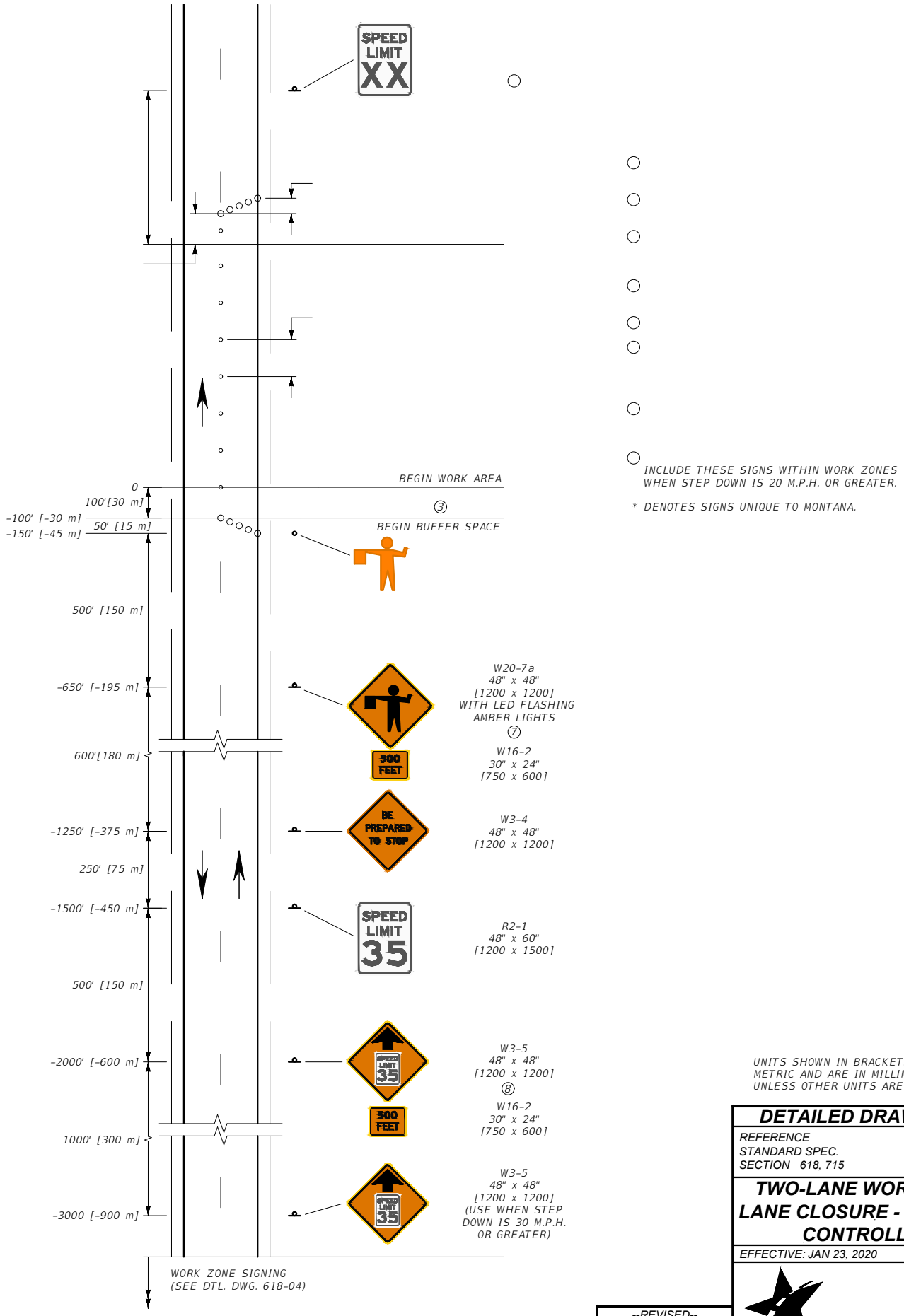
REFERENCE
STANDARD SPEC.
SECTION 618

TWO-LANE WORK ZONE

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W20-7a
48" x 48"
[1200 x 1200]
WITH LED FLASHING
AMBER LIGHTS
⑦

W16-2
30" x 24"
[750 x 600]

W3-4
48" x 48"
[1200 x 1200]

R2-1
48" x 60"
[1200 x 1500]

W3-5
48" x 48"
[1200 x 1200]
⑧

W16-2
30" x 24"
[750 x 600]

W3-5
48" x 48"
[1200 x 1200]
(USE WHEN STEP
DOWN IS 30 M.P.H.
OR GREATER)

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.

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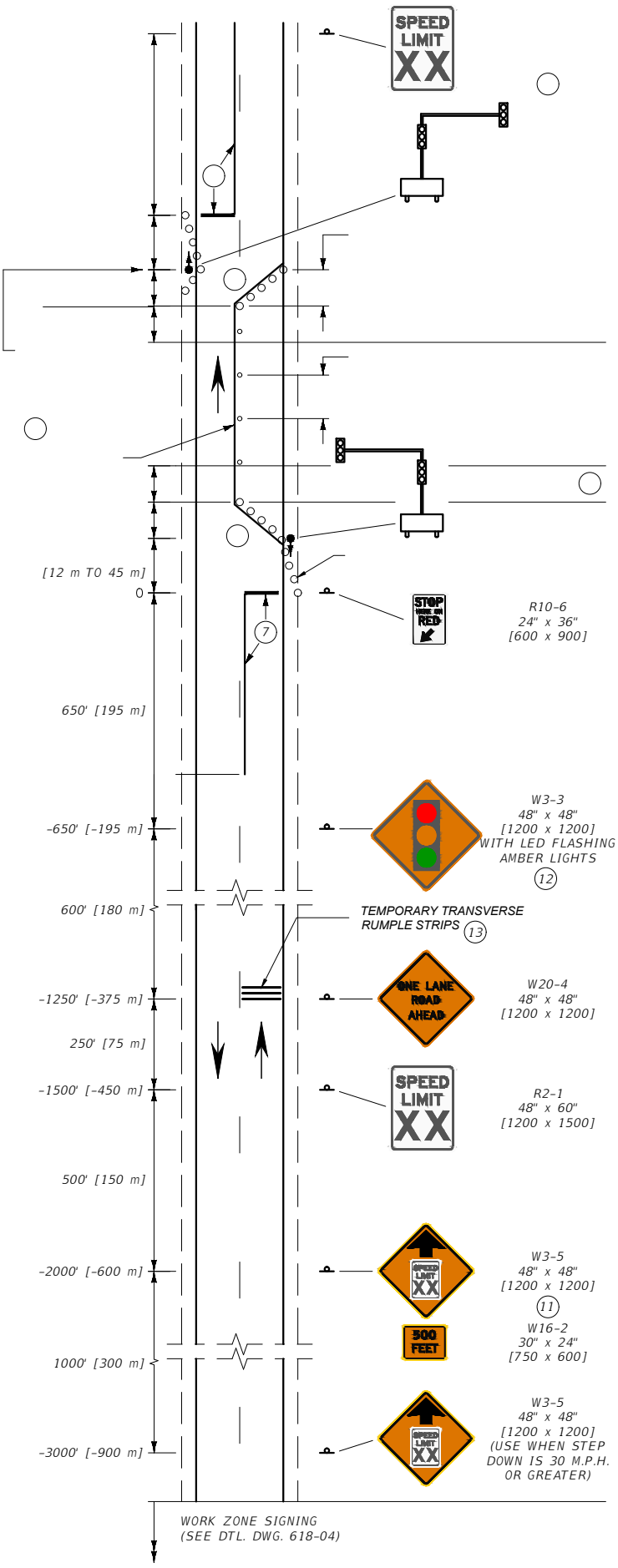
DETAILED DRAWINGS

REFERENCE
STANDARD SPEC.
SECTION 618, 715

TWO-LANE WORK AREA LANE CLOSURE - FLAGGER CONTROLLED

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AVOID CONFLICTING SIGNAL INDICATIONS AT OPPOSITE ENDS OF THE WORK ZONE.

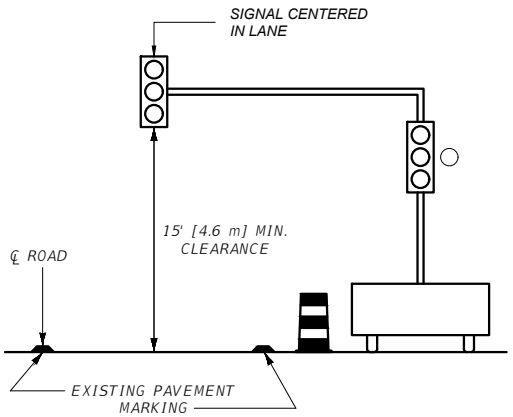
(10) USE TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES TO DIRECT TRAFFIC ENTERING FROM APPROACHES INTO THE SIGNAL CONTROLLED MAINLINE WORK AREA.

(11) INCLUDE THESE SIGNS WITH ALL FLAGGERS. INCLUDE THESE SIGNS WITHIN WORK ZONES WHEN STEP DOWN IS 20 M.P.H. OR GREATER.

(12) ENSURE AMBER LED FLASHERS MEET STANDARD SPECIFICATION 715 AND DTL. DWG. 618-01 REQUIREMENTS.

(13) TEMPORARY TRANSVERSE RUMBLE STRIPS REQUIRED FOR NIGHTTIME OPERATIONS. REFER TO STANDARD SPECIFICATION 618.03.14.

* DENOTES SIGNS UNIQUE TO MONTANA.



TEMPORARY TRAFFIC CONTROL SIGNAL DETAIL

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

DETAILED DRAWINGS

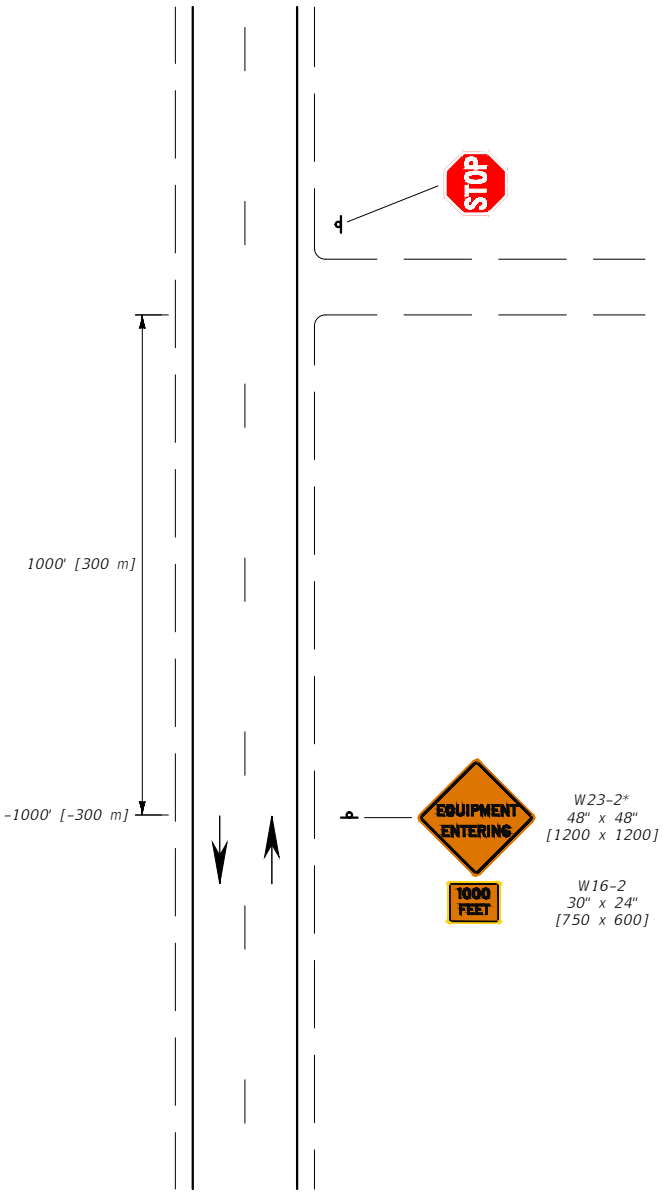
REFERENCE
STANDARD SPEC.
SECTION 618

TWO-LANE WORK ZONE LANE CLOSURE - SIGNAL CONTROLLED

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W23-2*
48" x 48"
[1200 x 1200]

W16-2
30" x 24"
[750 x 600]

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

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.

DETAILED DRAWINGS

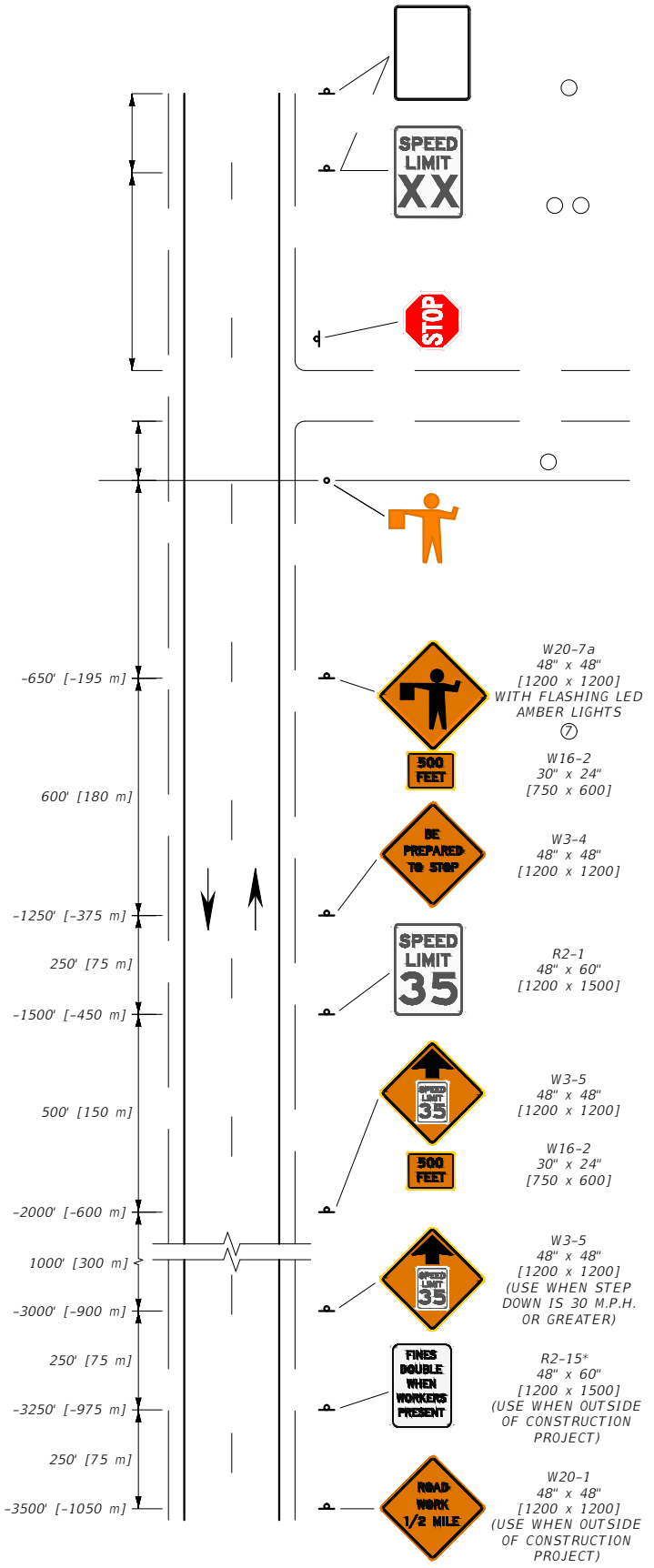
REFERENCE
STANDARD SPEC.
SECTION 618

TWO-LANE EQUIPMENT ENTRANCES

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W20-7a
48" x 48"
[1200 x 1200]
WITH FLASHING LED
AMBER LIGHTS
⑦

W16-2
30" x 24"
[750 x 600]

W3-4
48" x 48"
[1200 x 1200]

R2-1
48" x 60"
[1200 x 1500]

W3-5
48" x 48"
[1200 x 1200]

W16-2
30" x 24"
[750 x 600]

W3-5
48" x 48"
[1200 x 1200]
(USE WHEN STEP
DOWN IS 30 M.P.H.
OR GREATER)

R2-15*
48" x 60"
[1200 x 1500]
(USE WHEN OUTSIDE
OF CONSTRUCTION
PROJECT)

W20-1
48" x 48"
[1200 x 1200]
(USE WHEN OUTSIDE
OF CONSTRUCTION
PROJECT)

EQUIPMENT ENTRANCE WITH FLAGGER

END OF THE WORK ZONE.

⑥ 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.

⑦ 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

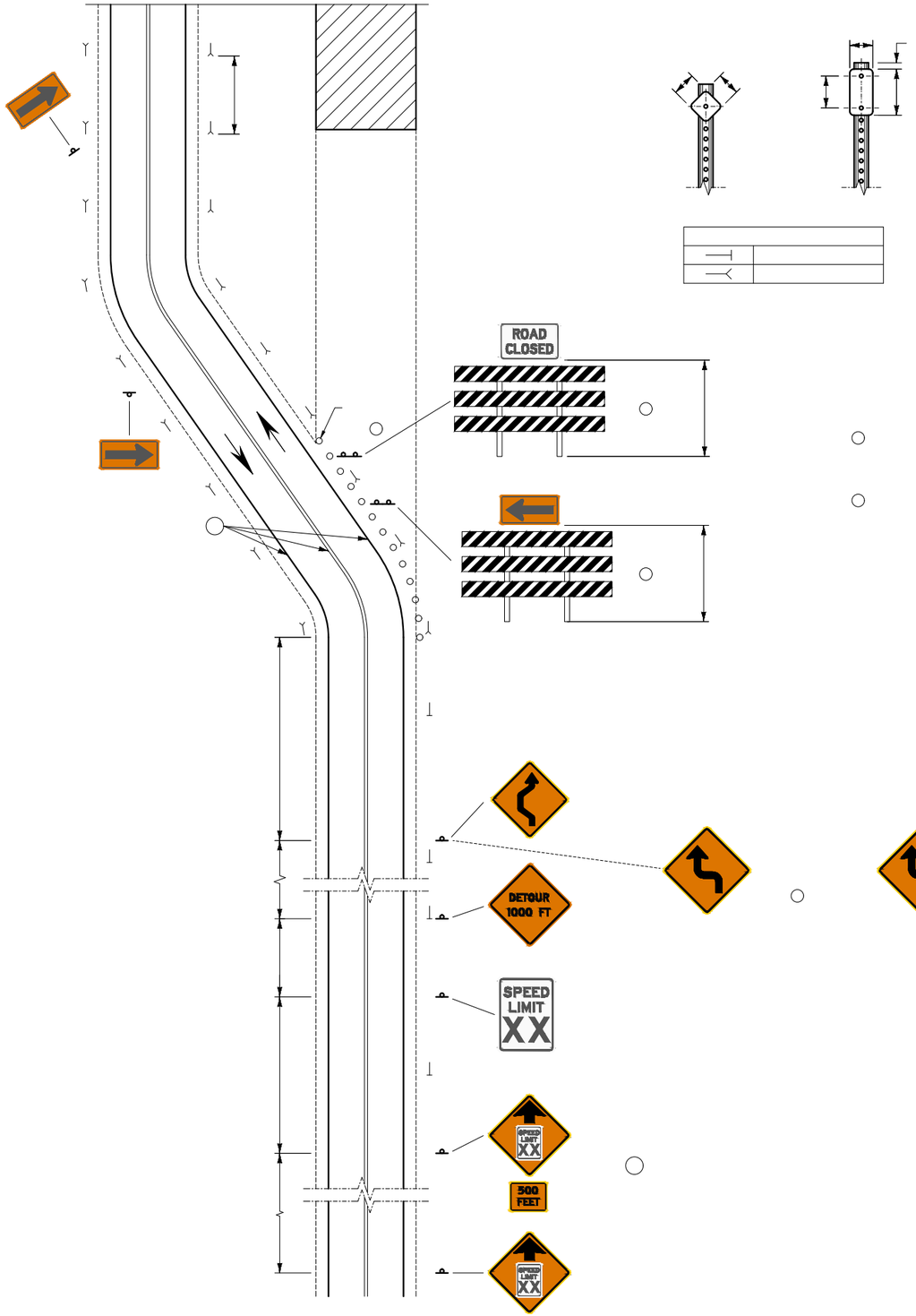
REFERENCE
STANDARD SPEC.
SECTION 618, 715

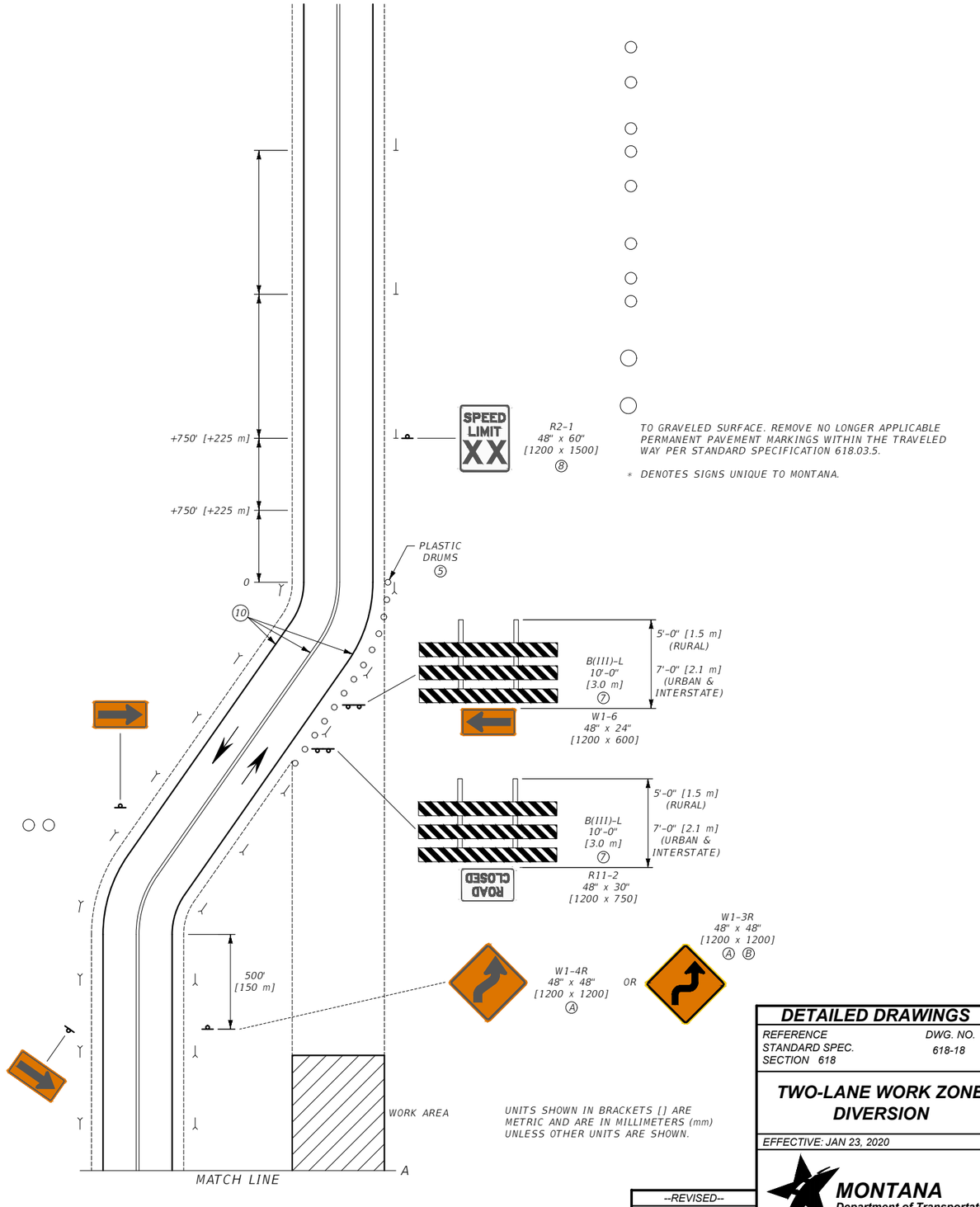
TWO-LANE EQUIPMENT ENTRANCES

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

DETAILED DRAWINGS

REFERENCE STANDARD SPEC. SECTION 618

DWG. NO. 618-18

TWO-LANE WORK ZONE DIVERSION

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