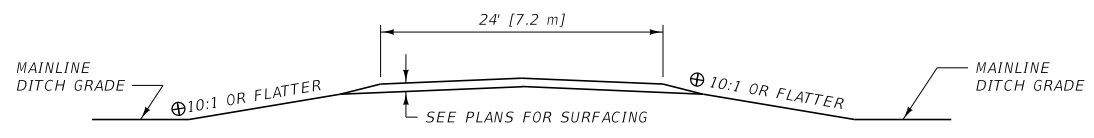
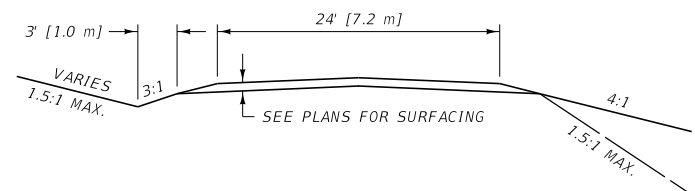


* 25.0' [7.5 m] MIN. FOR PRIVATE OR FIELD APP.
 75.0' [25.0 m] MIN. FOR COUNTY AND MAIN ROADS.
 LANDING GRADE (-3% DESIRABLE,
 +3% ALLOWABLE).



TYPICAL SECTION WITHIN CLEAR ZONE
 USE A PIPE AS NECESSARY FOR DRAINAGE.
 INSTALL CULVERTS OUTSIDE THE CLEAR
 ZONE OR PROVIDE END TREATMENT.

⊕ PROVIDE 6:1 SLOPES
 AT A MINIMUM.



TYPICAL SECTION BEYOND CLEAR ZONE

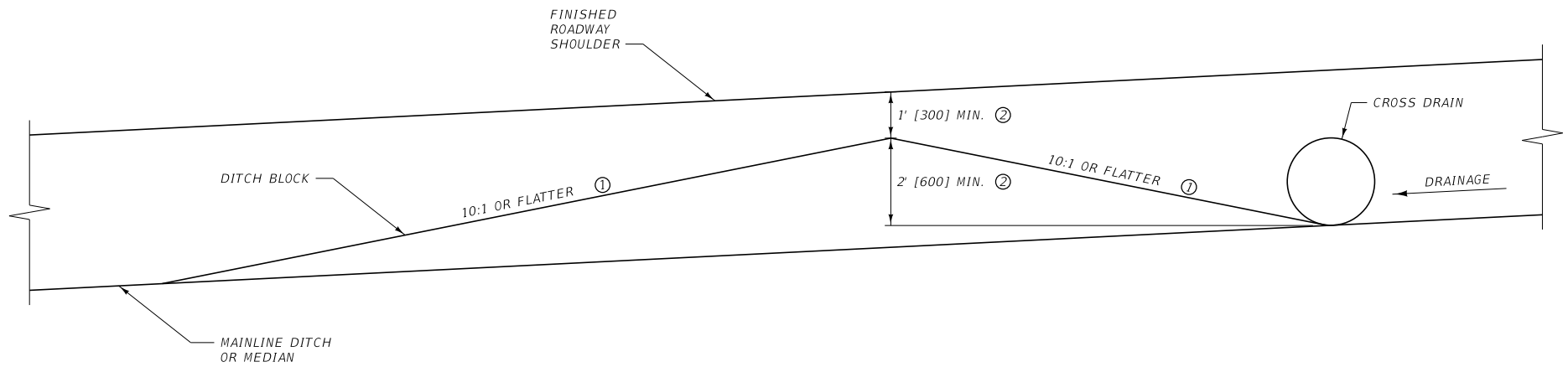
BACK SLOPES **	
0' - 5' [0.0 m - 1.5 m]	4:1
5' - 10' [1.5 m - 3.0 m]	2:1
OVER 10' [3.0 m]	1.5:1

FILL SLOPES **	
0' - 10' [0.0 m - 3.0 m]	4:1
10' - 20' [3.0 m - 6.0 m]	2:1
OVER 20' [6.0 m]	1.5:1

- NOTES:
- ① APPROACH GRADE BEYOND LANDING IS NOT TO EXCEED 10% UNLESS TRAFFIC VOLUMES AND COST INDICATE SUCH TO BE JUSTIFIABLE.
 - ② CONSTRUCT APPROACHES TO FIT LOCAL CONDITIONS.
 - ③ SECURE WRITTEN PERMISSION FROM LANDOWNER FOR WORK BEYOND THE RIGHT-OF-WAY.
- ** CRITERIA SHOWN ARE FOR PRIVATE AND FARM FIELD APPROACHES. FOR COUNTY AND MAIN ROADS USE ESTABLISHED STANDARDS FOR APPLICABLE FUNCTIONAL CLASS.

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

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 203	DWG. NO. 203-05
APPROACHES	
EFFECTIVE: SEPTEMBER 2014	
MONTANA DEPARTMENT OF TRANSPORTATION	



NOTES:

- ① CONSTRUCT DITCH BLOCKS TO FIT LOCAL CONDITIONS. WHEN CONDITIONS DO NOT ALLOW 10:1 SLOPES, USE 6:1 SLOPES.
- ② HEIGHTS SHOWN ARE MINIMUMS. SET HEIGHT OF DITCH BLOCKS BASED ON THE CULVERT DIAMETER OR ON THE ELEVATION SHOWN IN THE PLANS.

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

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 203	DWG. NO. 203-20
DITCH BLOCKS	
EFFECTIVE: SEPTEMBER 2014	
MDT MONTANA DEPARTMENT OF TRANSPORTATION	