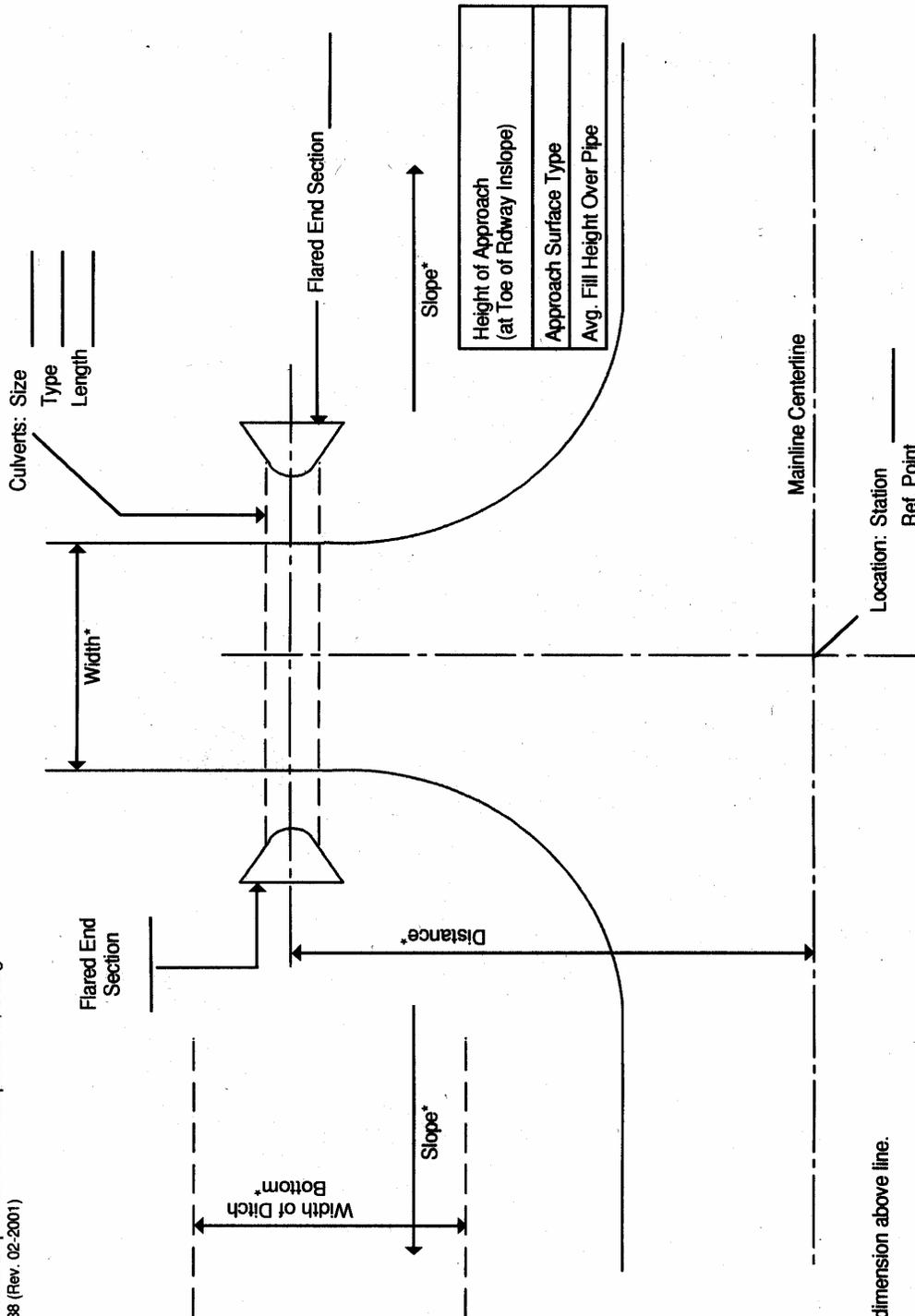


18-4.3 SAMPLE

Approaches form

APPROACHES
North Dakota Department of Transportation, Design
SFN 16488 (Rev. 02-2001)



*Enter dimension above line.

Reference Plans
Remarks

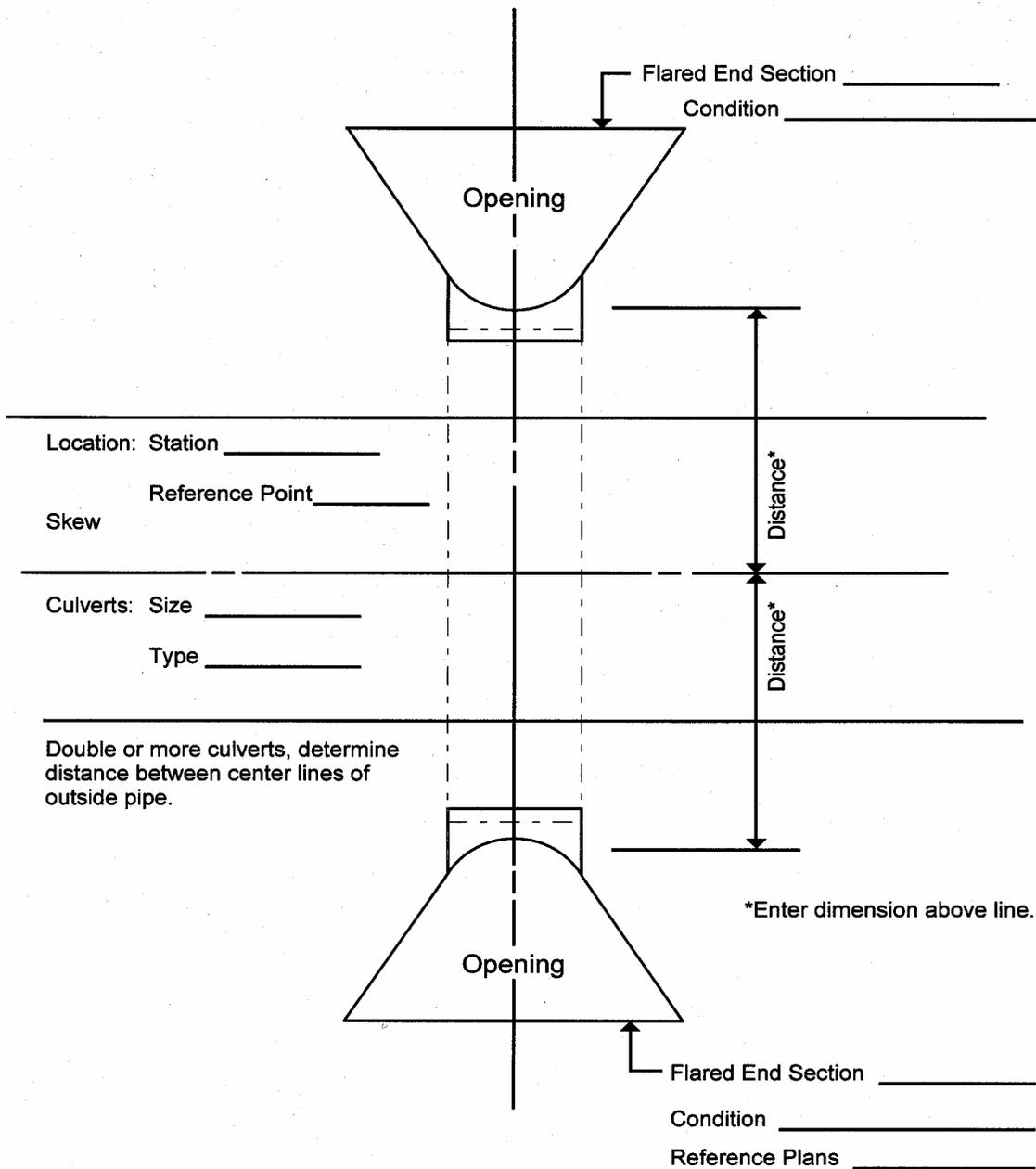
Section Line
Private Drive

18-4.4 SAMPLE

Centerline Culverts form

CENTER LINE CULVERTS

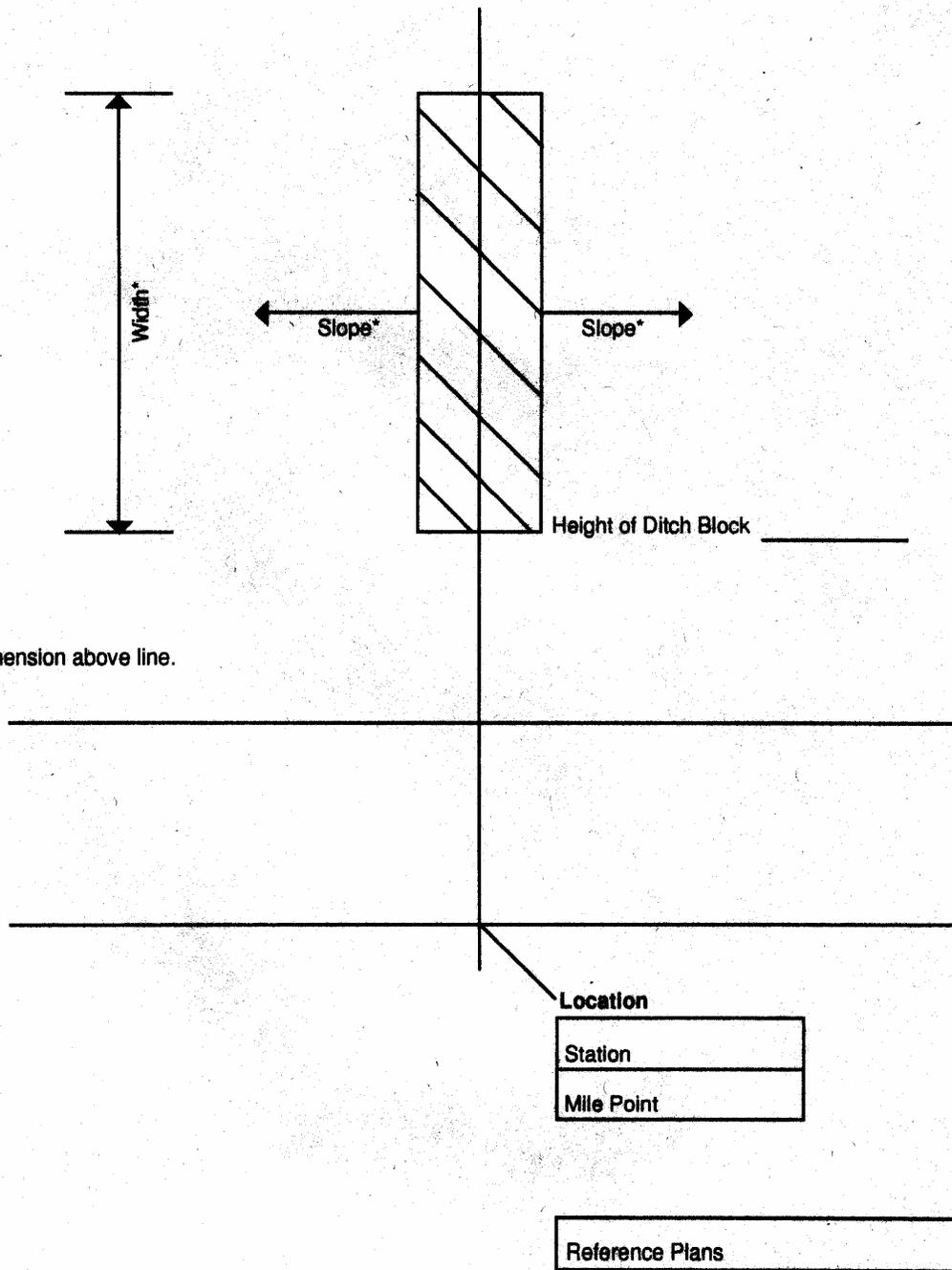
North Dakota Department of Transportation, Design Division
SFN 16489 (Rev. 11-2005)



18-4.5 SAMPLE

Ditch Blocks form

DITCH BLOCK
North Dakota Department of Transportation
SFN 16490 (Rev. 6-2001)

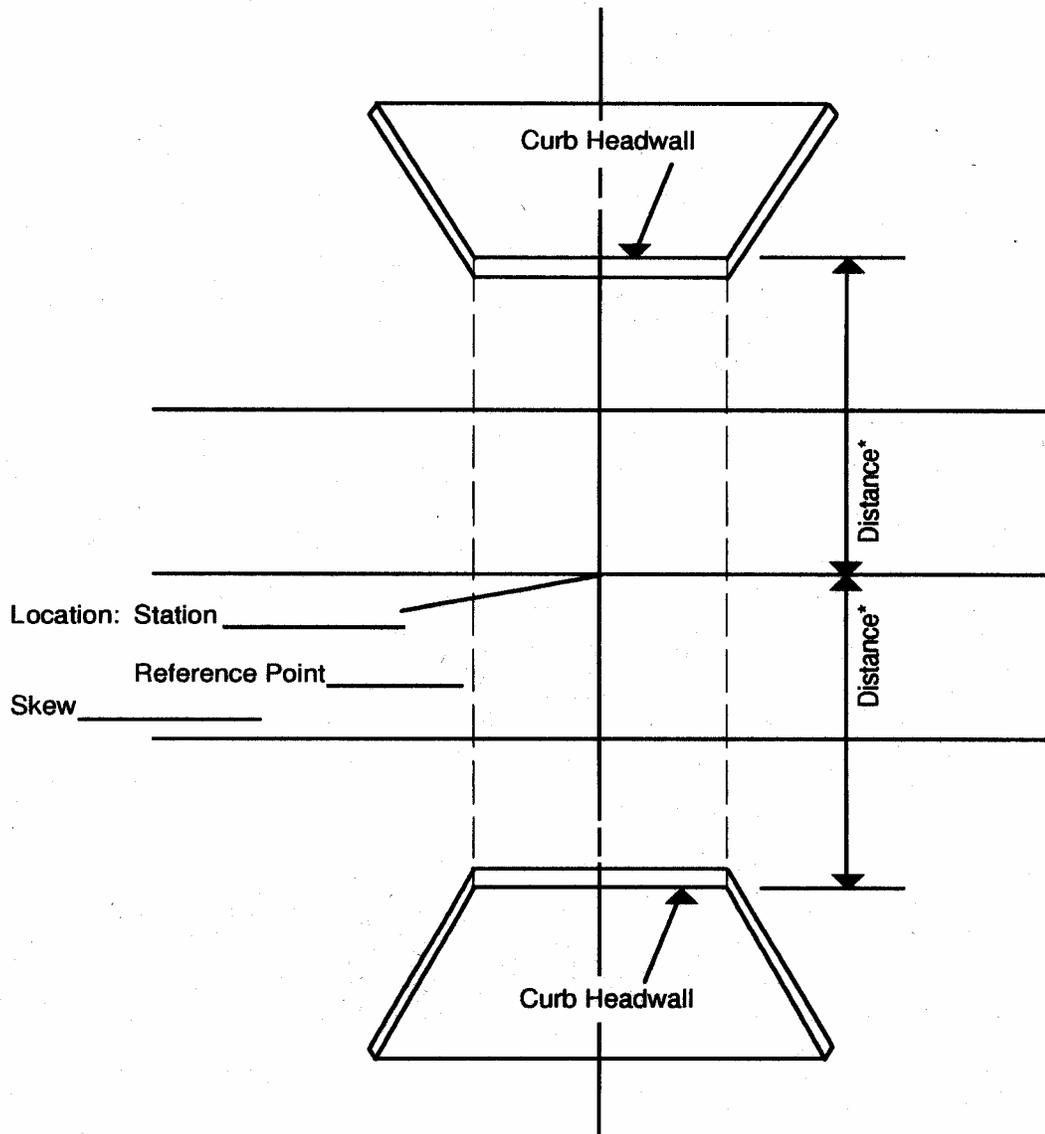


18-4.6 SAMPLE

Box Culverts form

BOX CULVERT

North Dakota Department of Transportation, Design
SFN 16491 (Rev/ 12-2000)



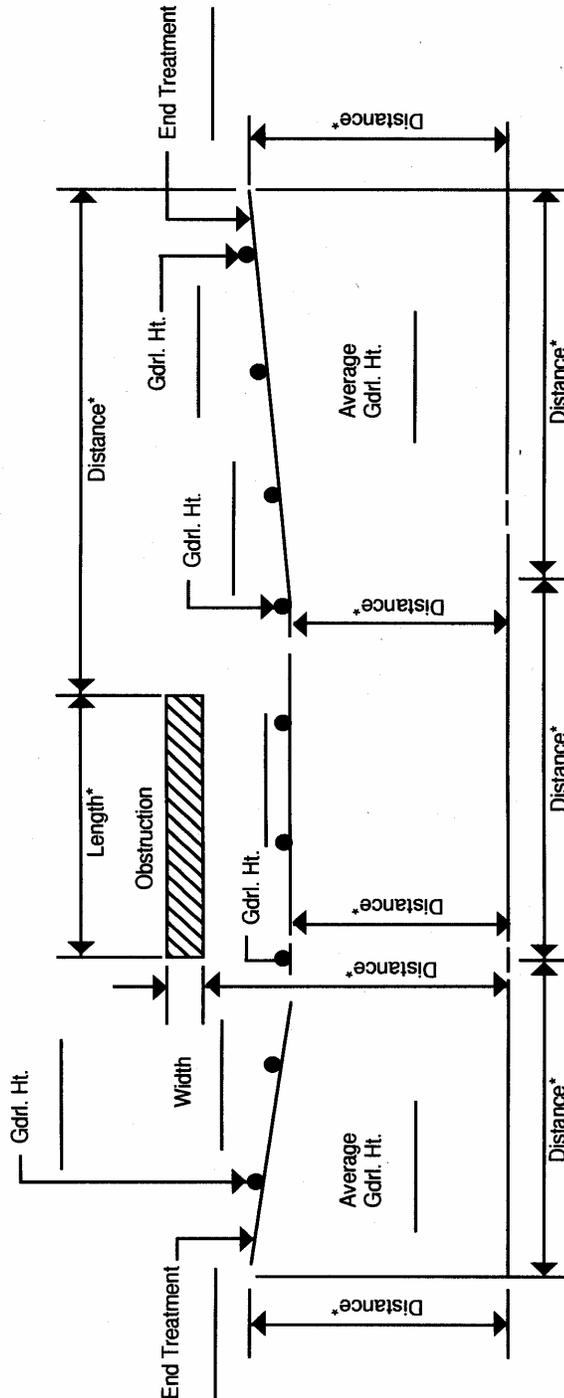
Size _____

Reference Point _____

*Enter dimension above line.

18-4.7 SAMPLE Guardrail form

GUARDRAIL
North Dakota Department of Transportation, Design
SFN 16482 (Rev. 03-2003)



End Terminal Manufacturer
End Terminal Model
Average Gdrl. Ht.
Guardrail Type
Post Spacing
Location
Reference Plans

*Enter dimension above line.

Number of Damaged Rail Sections

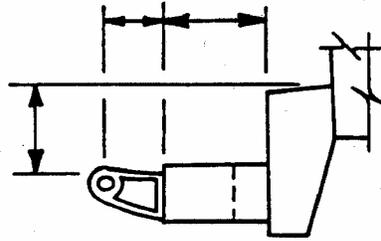
Remarks:

18-4.9 SAMPLE

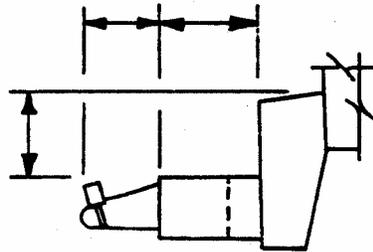
Bridge Curb Length form

GEOMETRIC REQUIREMENTS

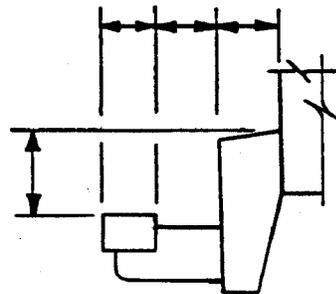
BRIDGE CURB LENGTH
North Dakota Department of Transportation, Design
SFN 16494 (Rev. 1-2000)



CONC/SINGLE BEAM 1
(CODE F1)



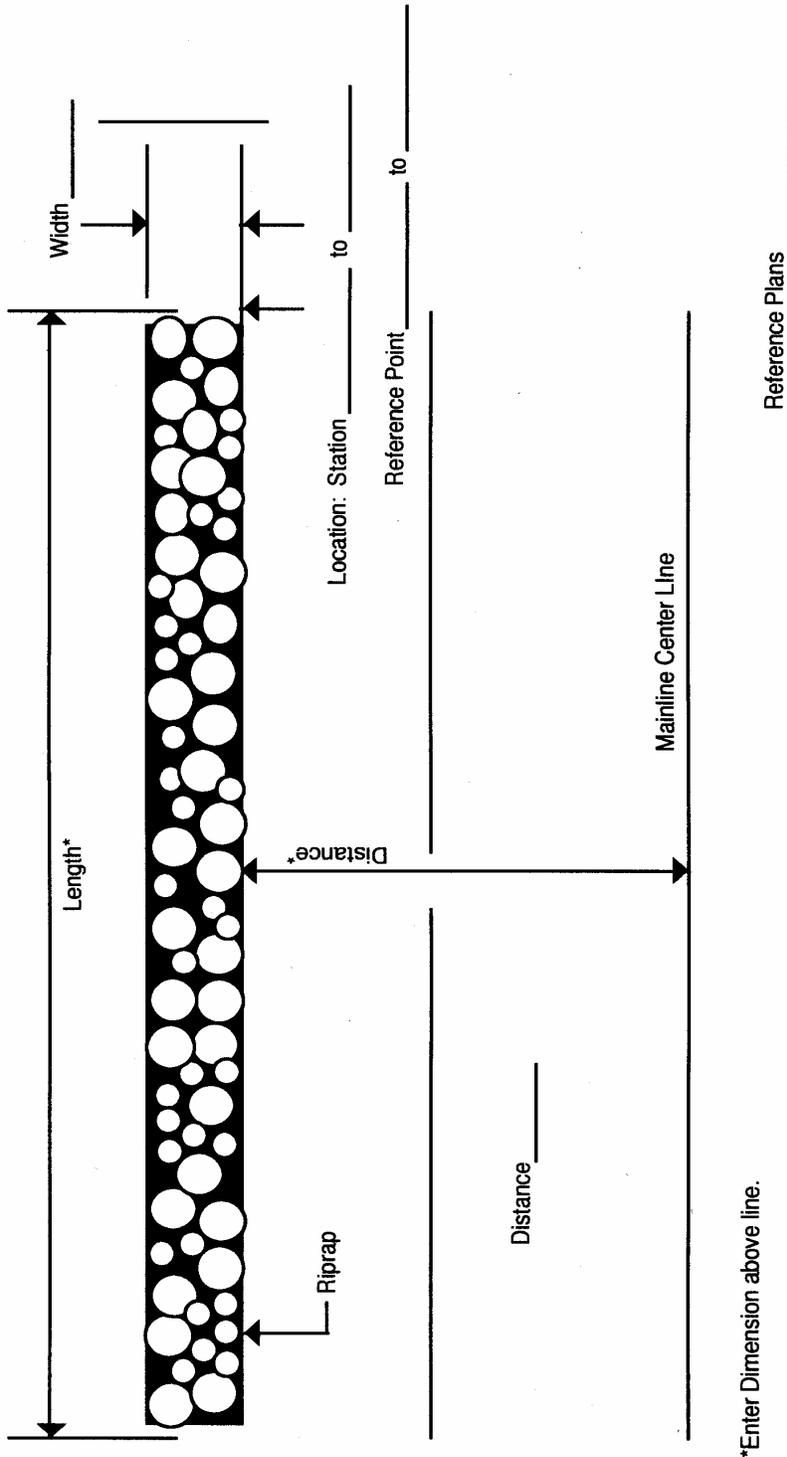
CONC/FLAT STL. 1
(CODE D1)



CONC/CURB 1
(CODE C1)

18-4.10 SAMPLE Riprap form

RIPRAP
North Dakota Department of Transportation, Design
SFN 16495 (Rev. 03-2003)

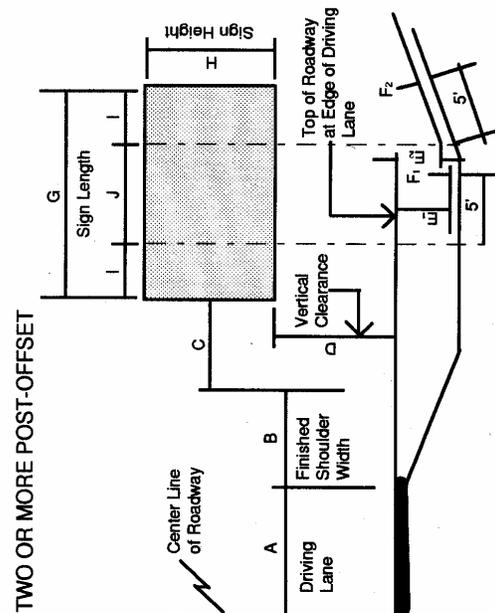
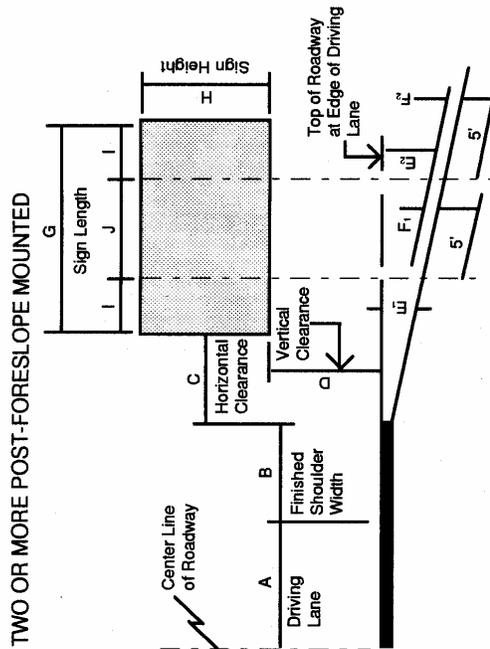


*Enter Dimension above line.

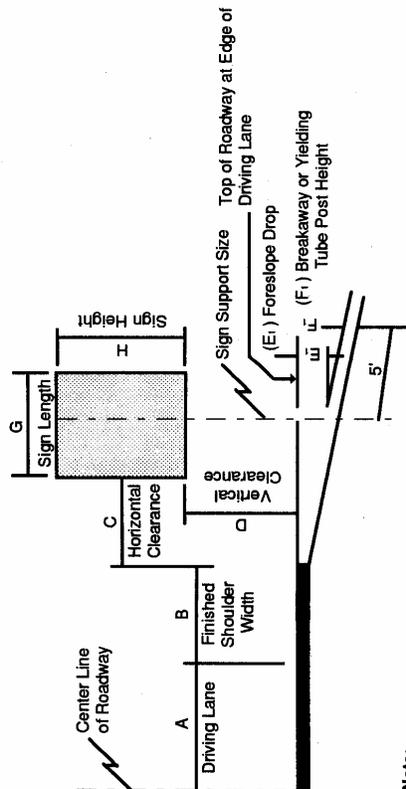
18-4.12 SAMPLE

Sign Inventory (Instruction Sheet)

Sheet 1 of



SIGN INVENTORY - INSTRUCTIONS REFACING, OVERLAY, AND UPDATING SUPPORTS PROJECTS



Note:

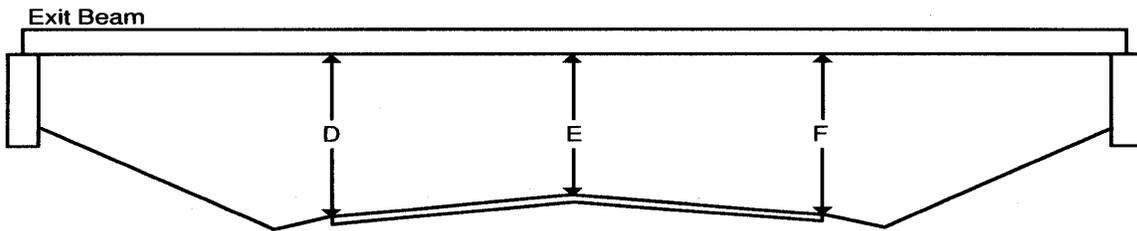
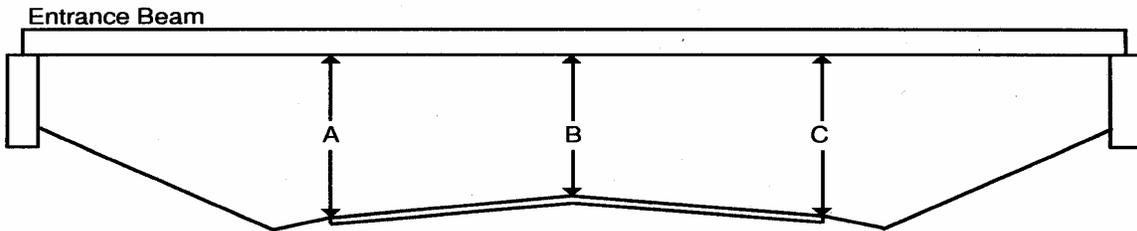
1. Finished shoulder could be concrete, asphalt or aggregate.
2. Yielding type posts such as perforated tube or flange channel with driven anchor are to be measured to top of anchor. Breakaway slip base measured to top of lower baseplate. If sloped base plate is on a divided highway measure to center of base.
3. Sign support size should be measured as follows:
 - a. Perforated tubes across the flat part of the tube.
 - b. Flange channel across the flats and the wall thickness.
 - c. Round pipe, outside diameter.
 - d. W shape across the flanges.
4. The distance F should be the maximum height above ground in all directions inside the 5 foot radius.
5. The foreslope drop E should be measured for each post.
6. The breakaway or yielding tube height should be measured for each post.
7. The post spacing for each set of posts shall be measured.
8. If post is on backslope the 5 feet offset distance for F2 may be less than 5 feet on the ditch section side.

SFN 19953

18-4.15 SAMPLE Vertical Clearance – Single Span form

VERTICAL CLEARANCE - SINGLE SPAN
North Dakota Department of Transportation, Bridge
SFN 17387 (Rev. 06-2001)

Structure No.
Date
Direction of Inventory



A	B	C	D	E	F
---	---	---	---	---	---

Item 10 - Inventory Route, Minimum Vertical Clearance (XX feet XX inches)

Code the minimum vertical clearance over the inventory route identified in item 5, whether the route is "on" the structure or "under" the structure. The minimum clearance for a 10-foot width of pavement or traveled part of the roadway where the clearance is the greatest shall be recorded and coded in feet and inches. For structures have multiple openings, clearances for each opening shall be recorded, but only the greatest of the minimum clearance for the two or more openings shall be coded regardless of the direction of travel.

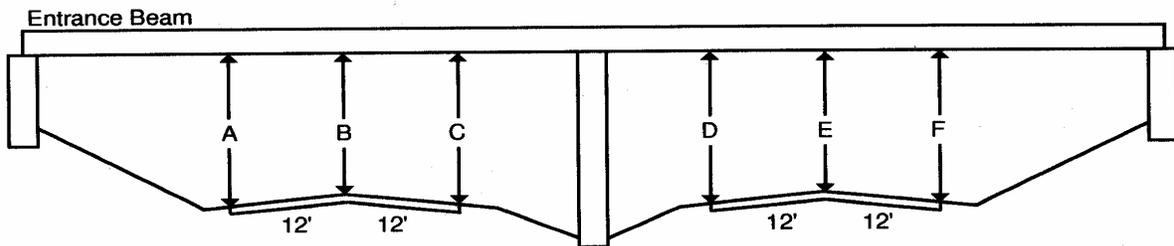
Item 10

18-4.16 SAMPLE Vertical Clearance – 4-Lane Highways form

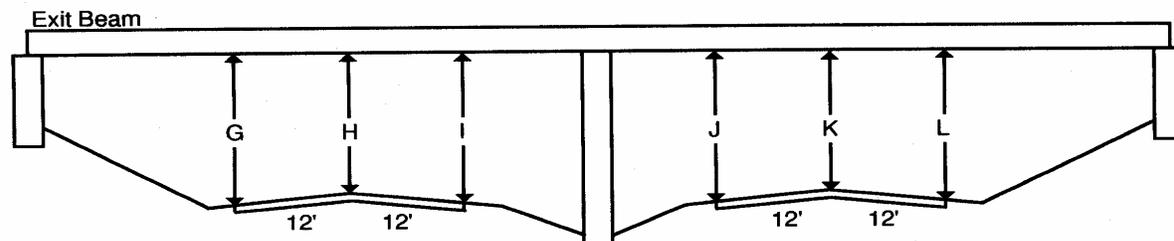
VERTICAL CLEARANCE -- 4-LANE HIGHWAYS

North Dakota Department of Transportation, Bridge
SFN 17388 (Rev. 06-2001)

Structure No.
Date
Direction of Inventory



A	B	C	D	E	F
---	---	---	---	---	---



G	H	I	J	K	L
---	---	---	---	---	---

Item 10 - Inventory Route, Minimum Vertical Clearance (XX feet XX inches)

Code the minimum vertical clearance over the inventory route identified in item 5, whether the route is "on" the structure or "under" the structure. The minimum clearance for a 10-foot width of pavement or traveled part of the roadway where the clearance is the greatest shall be recorded and coded in feet and inches. For structures have multiple openings, clearances for each opening shall be recorded, but only the greatest of the minimum clearance for the two or more openings shall be coded regardless of the direction of travel.

Item 10
