To request translation or disability-related accommodations, please contact us at **DTDcompliance@clackamas.us** | **503-742-4400**.

Si quiere solicitar servicios de traducción o adaptaciones para la discapacidad, contáctenos en/al **DTDcompliance@clackamas.us** | **503-742-4400**.

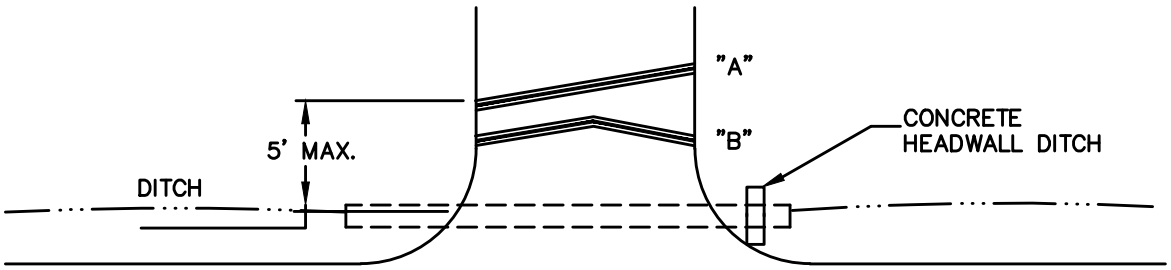
Чтобы запросить перевод или приспособления, связанные с инвалидностью, пожалуйста, свяжитесь с нами по:
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**DTDcompliance@clackamas.us** | **503-742-4400**.

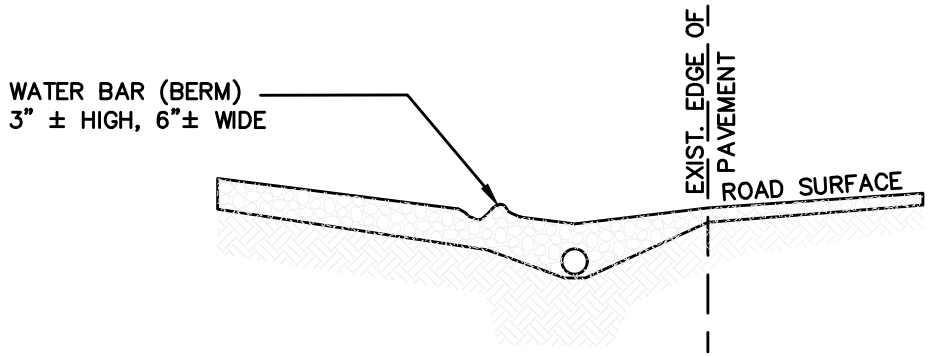
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**DTDcompliance@clackamas.us** | **503-742-4400**。

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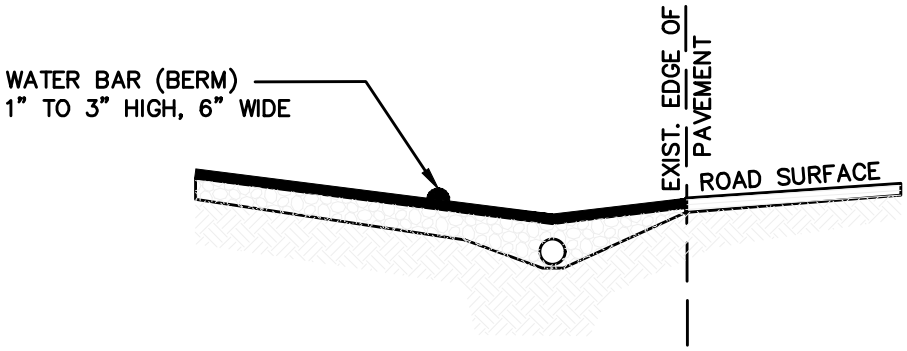
Clackamas County
www.clackamas.us




TYPICAL PLAN OF DRIVEWAY WITH WATER BAR




GRAVEL DRIVEWAYS




ASPHALT OR CONCRETE DRIVEWAYS

NOTES

1. ON BOTH PAVED AND GRAVEL DRIVEWAYS, WATER BARS ARE REQUIRED ON SLOPES GREATER THAN 10%. ASPHALT WATER BARS (BERMS) REQUIRE A TACK COAT OF LIQUID ASPHALT TO BE APPLIED BEFORE BUILDING OF THE BERM, SO IT WILL BE STABLE AND ADHERE TO THE DRIVEWAY SURFACE.

2. THE WATER BARS (BERMS) ARE TO BE OF ADEQUATE ELEVATION AND WIDTH TO ENSURE THAT THE WATER RUNOFF WILL NOT FLOW ONTO COUNTY ROAD SHOULDERS OR TRAVELED SURFACE.

3. THE WATER BARS (BERMS) CAN BE CONSTRUCTED IN EITHER THE "A" POSITION OR "B" POSITION SHOWN IN DRAWING, TO DIRECT SURFACE RUNOFF ON EITHER SIDE OF DRIVEWAY TO A CONSTRUCTED DITCH SECTION. CONTROL OF WATER FLOW INTO EXISTING ROADSIDE DITCH IS THE PRIMARY PURPOSE OF THESE BERMS.

4. THE JOINT AT THE INTERSECTION OF THE ASHPALT DRIVEWAY AND EDGE OF PAVEMENT SHALL HAVE A SEAL OF LIQUID ASPHALT AND BE COVERED WITH FINE SAND TO MAKE A SMOOTH JOINT AND TO AVOID BREAKAGE OF THE SEAM.

| REVISION | DATE | BY |
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DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

APPROVAL DATE: 6/1/2020 SCALE: N.T.S.

# DRIVEWAY WATER BAR (BERM) CONSTRUCTION

STANDARD DRAWING

D700