



- NOTES:**
- 1.) QUARRY SPALLS PER WSDOT SPEC 9-13.1(5), PLACED AT LEAST 12" THICK. QUARRY SPALLS SHALL EXTEND NO LESS THAN:
    - 1-FT ABOVE TOP OF PIPE
    - 2-FT TO EACH SIDE OF PIPE
    - 3-FT BELOW NORMAL WATER SURFACE
  - 2.) WHITE REFLECTIVE FLEXIBLE FIBERGLASS LOCATOR POST OR APPROVED EQUAL SHALL BE INSTALLED ON TOP OF THE PIPE AND SHALL EXTEND AT LEAST 6 1/2-FT ABOVE GROUND. INSTALL POST WITH BRACKET PER CDID1 STANDARD DETAIL SD-3.
  - 3.) SEED ALL DISTURBED AREAS WITH EROSION CONTROL SEED MIXTURE PER CDID1 STANDARD DETAIL EC-1 UPON PROJECT COMPLETION.
  - 4.) THIS STANDARD PLAN NOT INTENDED TO PROVIDE FOR FISH PASSAGE REQUIREMENTS.
  - 5.) BEVEL PIPE AND INSTALL CULVERT SAFETY GRATE FOR PIPES 8" AND LARGER PER CDID1 STANDARD DETAIL SD-2.
  - 6.) SUBMIT PIPE SIZE AND TYPE TO DISTRICT ENGINEER FOR APPROVAL. MINIMUM COVER SHALL BE 2'.
  - 7.) CDID1 ASSUMES NO OWNERSHIP OF CULVERTS, OUTFALLS OR OTHER STORMWATER CONVEYANCES. THE PERMITTEE IS SOLELY RESPONSIBLE FOR THE MAINTENANCE, REPAIR, REPLACEMENT AND/OR POSSIBLE RELOCATION OF ALL CONSTRUCTED IMPROVEMENTS.

**QUARRY SPALL PLACEMENT DETAIL**

**STORMWATER OUTFALL PIPE  
STANDARD INSTALLATION DETAIL**

12/2021	revise marker location	TC	TC	ANB	ANB
9/2021	revise marker height	TC	TC	ANB	ANB
7/2020	require culvert safety grate & pipe approval	TC	ANB	ANB	ANB
REV	ISSUE	DWG	DES	CHK	APP

