DIVERSION CHANNEL

PLASTIC LINER LIMITS

DRAINAGE TUBING
WITH METAL APRONS

END LINER OR GEOTEXTILE IN PLACE WITH BEAMS

PERMANENT CULVERT OR MINOR BRIDGE

DIVERSION DITCH EXAMPE

ONLY USE WITH CLEAR WATER

DIVERSION SWALE

FOR PERIMETER, INTERCEPTOR, AND DIVERSION SWALES

SWALE

TO STREAM

TO SEDIMENT CONTROL

INTERCEPTOR SWALE

DIVERSION SWALE

DIVERSION DITCH

SURE EROSION CONTROL MATERIALS OR SOD.

DIVERSION DITCH, DITCH, SWALE, PERIMETER, INTERCEPTOR, AND DIVERSION SWALES

CONSTRUCTION SLOPE

DISTURBED AREA

DISCHARGE TO STABILIZED AREA OR SEDIMENT CONTROL DEVICE

EXISTING GROUND

TOTAL SWALE LENGTH 250' MAX

MAX SWALE GRADE 1/4

MAX SWALE WIDTH 10' MAX

CROSS SLOPE

SWALE

1/10 MAX

3:1 MAX

8:1 MAX

DIVERSION DITCH WITH BEAMS

RUNOFF

CLEAR WATER

DIVERSION SWALE

SEE NOTE NO. 3)

DIVERSION DITCH EXAMPLE

DIVERSION CHANNEL

REVISIONS

SCALE DRAWING ARE FOR 11\" X 17\" SCALES SHOWN

ORIGINAL SIGNED BY TED MASON

DESIGN/TRAFFIC SERVICES ENGINEER

REVISIONS

BOISE, IDAHO

STANDARD DRAWING 212-5

3311 West State

HEADQUARTERS

AT: ITD,

ORIGINAL STORED IN

EDCMBER, 2016

327, 2016

DCEMBER, 2016

SUITABLE EROSION CONTROL MATERIALS OR SOD.

DISCHARGE TO STABILIZED AREA OR SEDIMENT CONTROL DEVICE

DIVERSION SWALE

DIVERSION CHANNEL

DIVERSION DITCH

DIVERSION SWALE

DRAINAGE TUBING
WITH METAL APRONS

INTERCEPTOR SWALE

DIVERSION DITCH

RUNOFF

CLEAR WATER

TO STREAM
1. **NOTES**

1. **SEE THE GENERAL NOTES FOR TEMPORARY EROSION CONTROL STANDARD DRAWINGS 212-1.**

2. **CONSTRUCT DIVERSION CHANNELS, DITCHES, SWALES, DIKES, BERMS, WATERBARS, AND ROLLING DIPS TO THE DIMENSIONS SHOWN ON THE PLANS. USE A PLASTIC LINER WHEN RUNOFF IS NOT INTENDED TO INFILTRATE INTO THE SOIL.**

3. **WHEN USING A DIVERSION CHANNEL, CONSTRUCT A TEMPORARY DAM TO DIVERT WATER INTO THE CHANNEL. A TEMPORARY DOWNSTREAM DAM IS OPTIONAL AND MAY BE USED TO PREVENT WATER FROM RETURNING TO THE UPSTREAM WORK AREA.**

4. **USE DIVERSION DITCHES WITH CLEAR WATER. USE A DIVERSION CHANNEL WHEN THE FLOW EXCEEDS 0.25 CUBIC FEET PER SECOND.**

5. **INSTALL A PLASTIC LINER ALONG THE LENGTH AND WIDTH OF DIVERSION CHANNELS AND DITCHES. OVERLAP THE PLASTIC LINER EDGES 2 FEET. SECURE THE PLASTIC LINER EDGES WITH BERMS, ROCKS, OR OTHER SUITABLE MATERIALS.**

6. **THE RECOMMENDED MAXIMUM DRAINAGE AREA FOR GRASSED SWALES IS 1 ACRE. THE RECOMMENDED MAXIMUM DRAINAGE AREA CONTRIBUTING RUNOFF TO A DIKE, SWALE OR COMBINATION THEREOF SHOULD NOT EXCEED 5 ACRES.**

7. **USE DIES WHEN BERMS ARE NOT SUFFICIENT TO CONTROL RUNOFF. COMPACT DIES TO 90 PERCENT OF STANDARD DENSITY.**

8. **DIVERT COLLECTED RUNOFF, INTERCEPTED RUNOFF OR BOTH FROM A DWM, DIKE, SWALE OR COMBINATION THEREOF TO A SEDIMENT CONTROL DEVICE OR STABILIZED AREA.**

9. **ENSURE THAT THE SLOPE OF A DIKE OR SWALE WITHIN THE CLEAR ZONE ARE 6:1 OR FLATTER UNLESS SHIELDED.**

10. **DRAWING NOT TO SCALE.**