

# TEMPORARY SEDIMENT TRAP

COURTESY OF CITY OF KNOXVILLE BMP PROSION AND SEDIMENT OVERFLOW

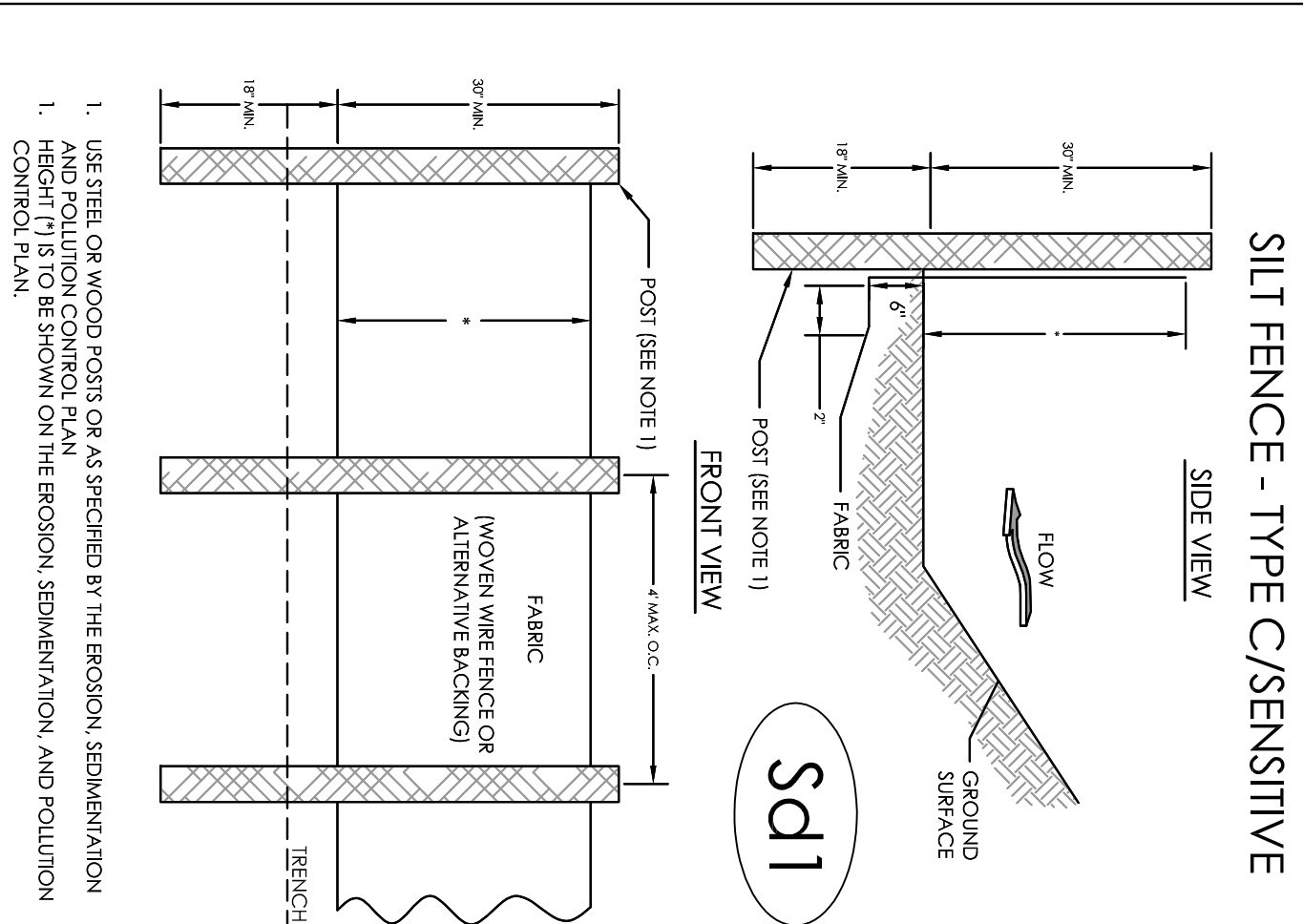
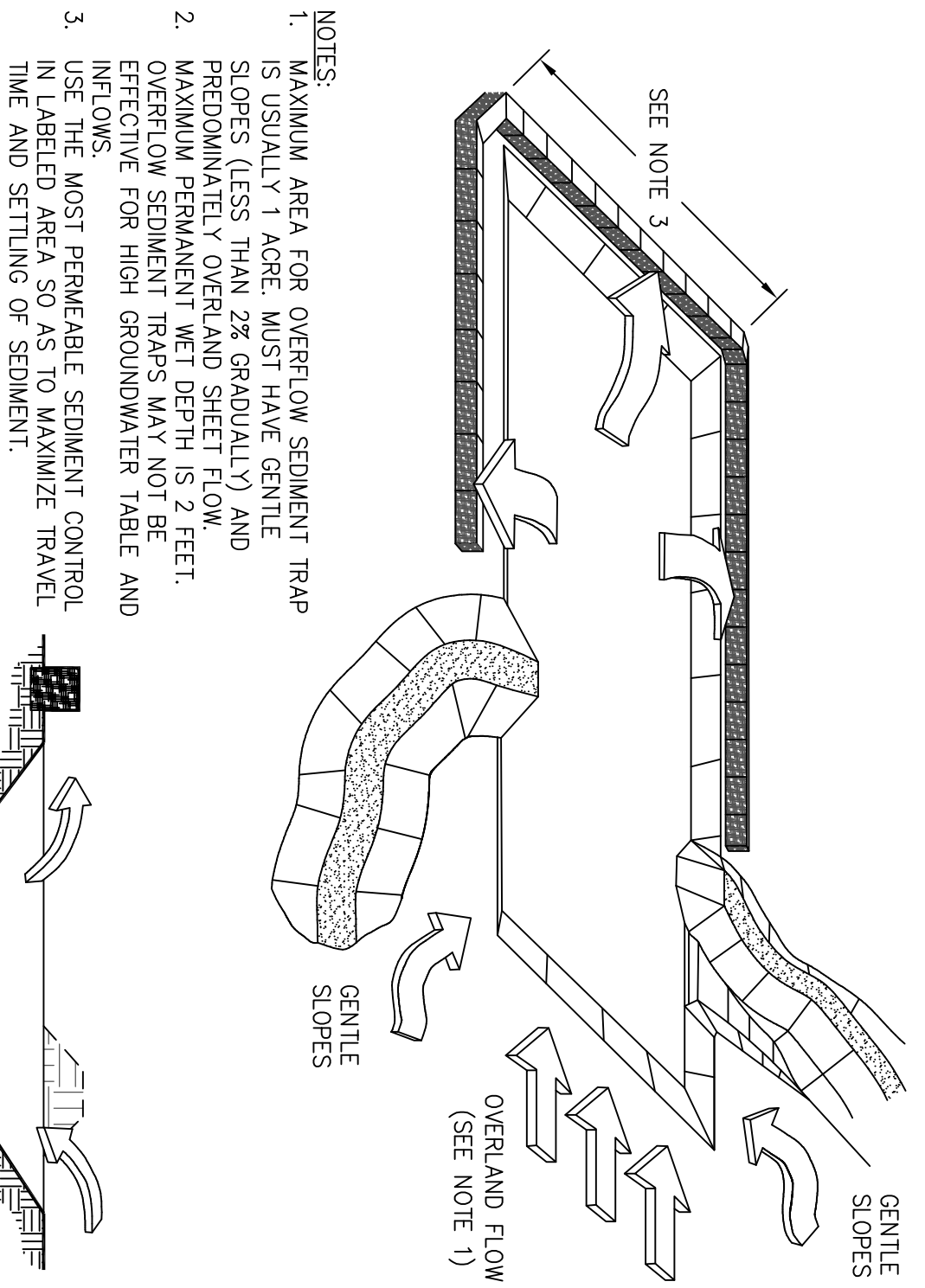
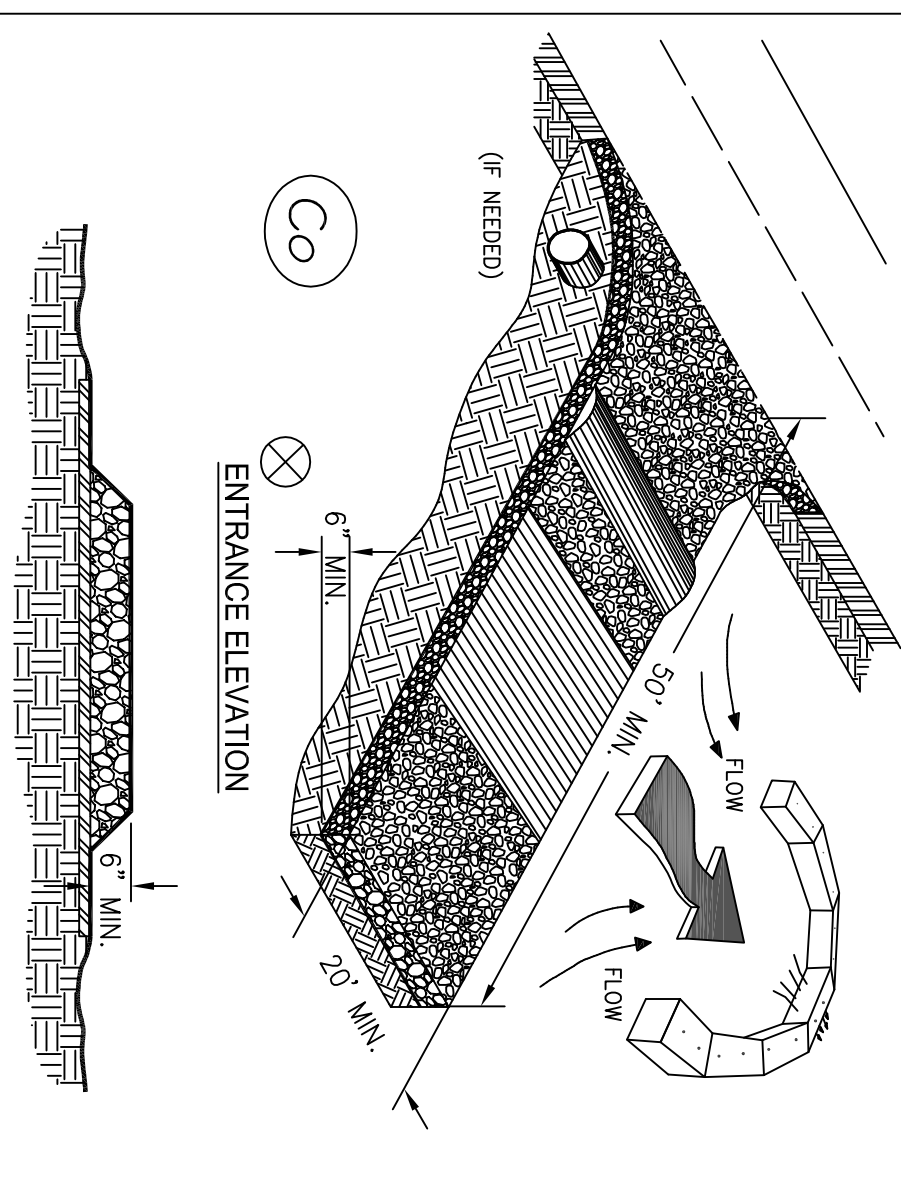


Figure 6-27.2  
6-174  
CIVIC (Revised 2013)

# CRUSHED STONE CONSTRUCTION EXIT

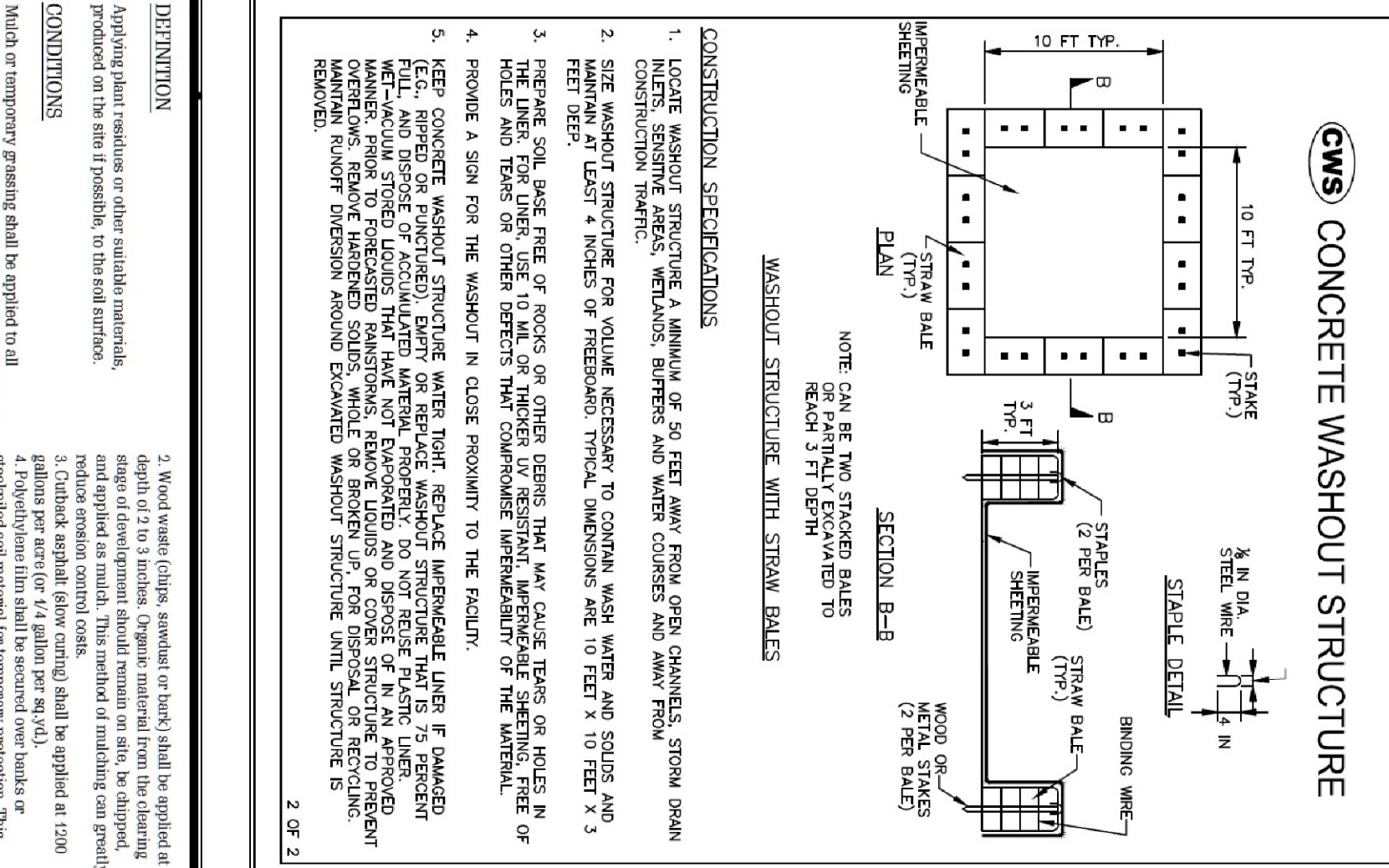
EXIT DIAGRAM



- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND SLOPES FOR POSITIVE DRAINAGE.
  3. PROVIDE A MINIMUM 12" COMPANION WITH NATIONAL STONE ASSOCIATION P-2 (1.5"-1.5" STONE).
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
  5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. A DRAINAGE DITCH SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
  7. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (OVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE) ON SCALE AND PROPORTION.
  8. NECESSARY WASHPACK DESIGN MAY CONSIST OF ANY MATERIAL, SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
  9. NECESSARY WASHPACK DESIGN MAY CONSIST OF ANY MATERIAL, SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
  10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC ROADS.
  11. WASHPACK DESIGN SHALL REQUIRE TOP DRESSING, REPAIR AND/OR CLEANUP OF ANY WEARINGS USED TO TRAP SEDIMENT.

## TEMPORARY SEDIMENT BASIN CALCULATIONS:

1. DA (DRAINAGE AREA) = 1.23 ACRES
  2. REQUIRED SEDIMENT STORAGE = 67 2/96c - 11.23 ACRES  
REQUIRED SEDIMENT STORAGE = 82.41 5/96 - 22.23 cI
  3. TEMPORARY SEDIMENT BASIN DESCRIPTIONS:  
SIZ = 40 (LENGTH) X 10 (WIDTH) X 6 (DEPTH) = 2,400 cI  
ASSIGNED SLOPE SIDES (SHALL NOT BE STEEPER THAN 2:1)  
SA (AREA) = 2225 cI / 6 ft  
SA (AREA) = 371 cI
- 2400 C I > 2225 C I THEREFORE 1 TEMPORARY SEDIMENT BASIN REQUIRED.



- CONSTRUCTION SPECIFICATIONS
1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN, DITCHES, EXISTING AREAS, WETLANDS, BUFFERS AND MAJOR COURSES AND MAJOR FLOWS.
  2. STRUCTURE SHALL BE CONSTRUCTED FOR VOLUME REDUCTION TO CHANNEL, WASH WATER AND EXCESS AND EXCESS FLOWS SHALL BE DIVERTED TO CHANNEL.
  3. THE WASHOUT STRUCTURE SHALL BE CONSTRUCTED WITH A MINIMUM OF 10 FEET X 10 FEET X 3 FEET DEEP.
  4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE STRUCTURE.
  5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED.
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### DEFINITION

Applying plant residues or other suitable materials, produced on the farm, to the soil, to improve soil structure, fertility, and water retention.

### CONDITIONS

Must be temporary grazing field to be applied to soil used as a regular rotation control device for up to six months. Must be applied to the soil surface and have a minimum of 1/2 inch of soil cover. Must be applied to the soil surface and have a minimum of 1/2 inch of soil cover. Must be applied to the soil surface and have a minimum of 1/2 inch of soil cover.

### APPLICATIONS

1. Apply to the soil surface and have a minimum of 1/2 inch of soil cover. Must be applied to the soil surface and have a minimum of 1/2 inch of soil cover. Must be applied to the soil surface and have a minimum of 1/2 inch of soil cover.

### DEFINITION

The application of temporary vegetation cover for erosion control and soil stabilization.

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SEEDING RATES FOR PERMANENT SEEDING	SEEDING RATES FOR TEMPORARY SEEDING
GRASSES	1.00 TON/AC
LEGUMES	1.00 TON/AC
WOODS	1.00 TON/AC
...	...

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