

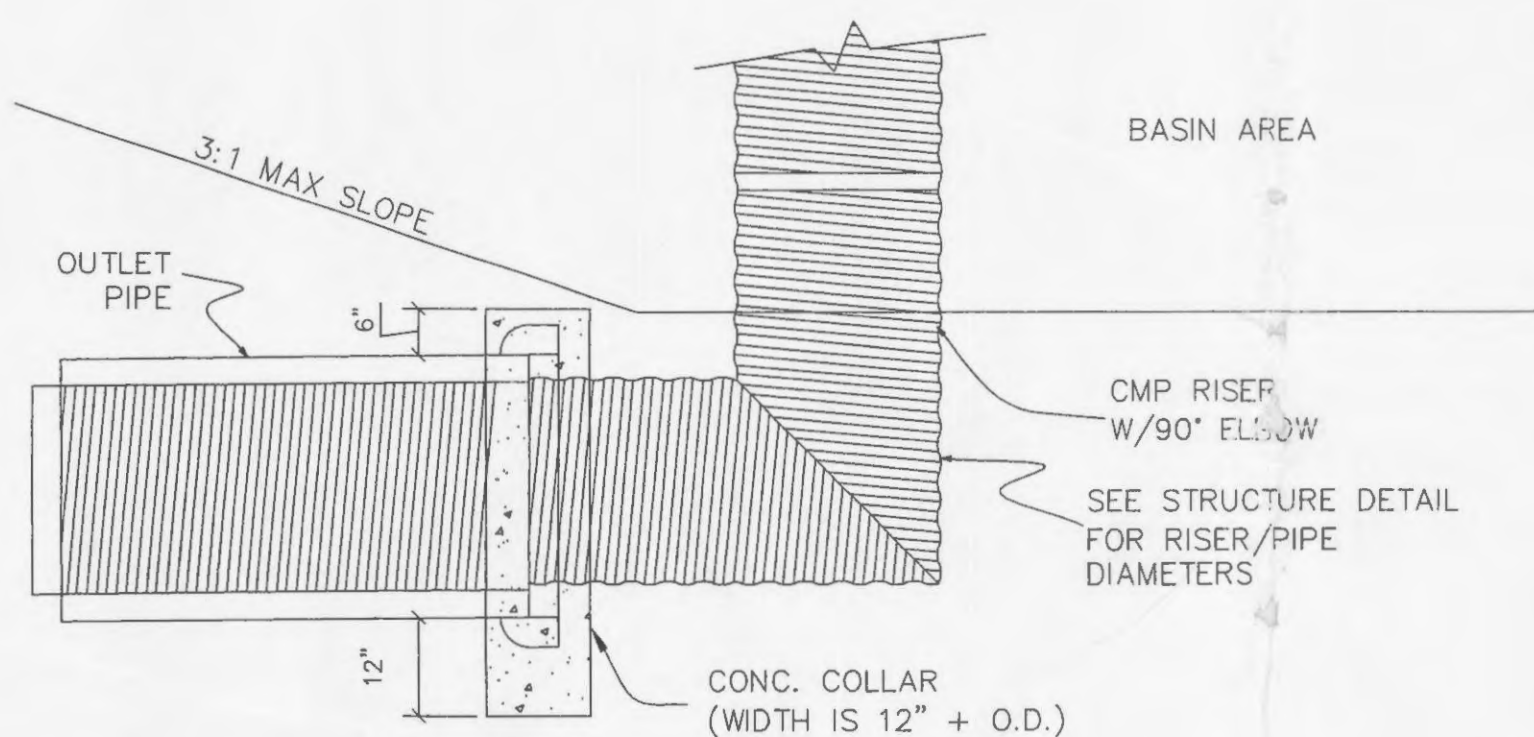
- NOTES:
1. STRAW BALES, NOT HAY BALES SHALL BE USED
  2. BUTT ENDS OF BALES TIGHTLY TOGETHER.
  3. INSTALL BALES WITH BINDING AROUND SIDES, NOT TOP AND BOTTOM.
  4. FILL ANY GAP BETWEEN BALES BY WEDGING LOOSE STRAW BETWEEN THEM.

**SEDIMENT BARRIER**  
 NOT TO SCALE

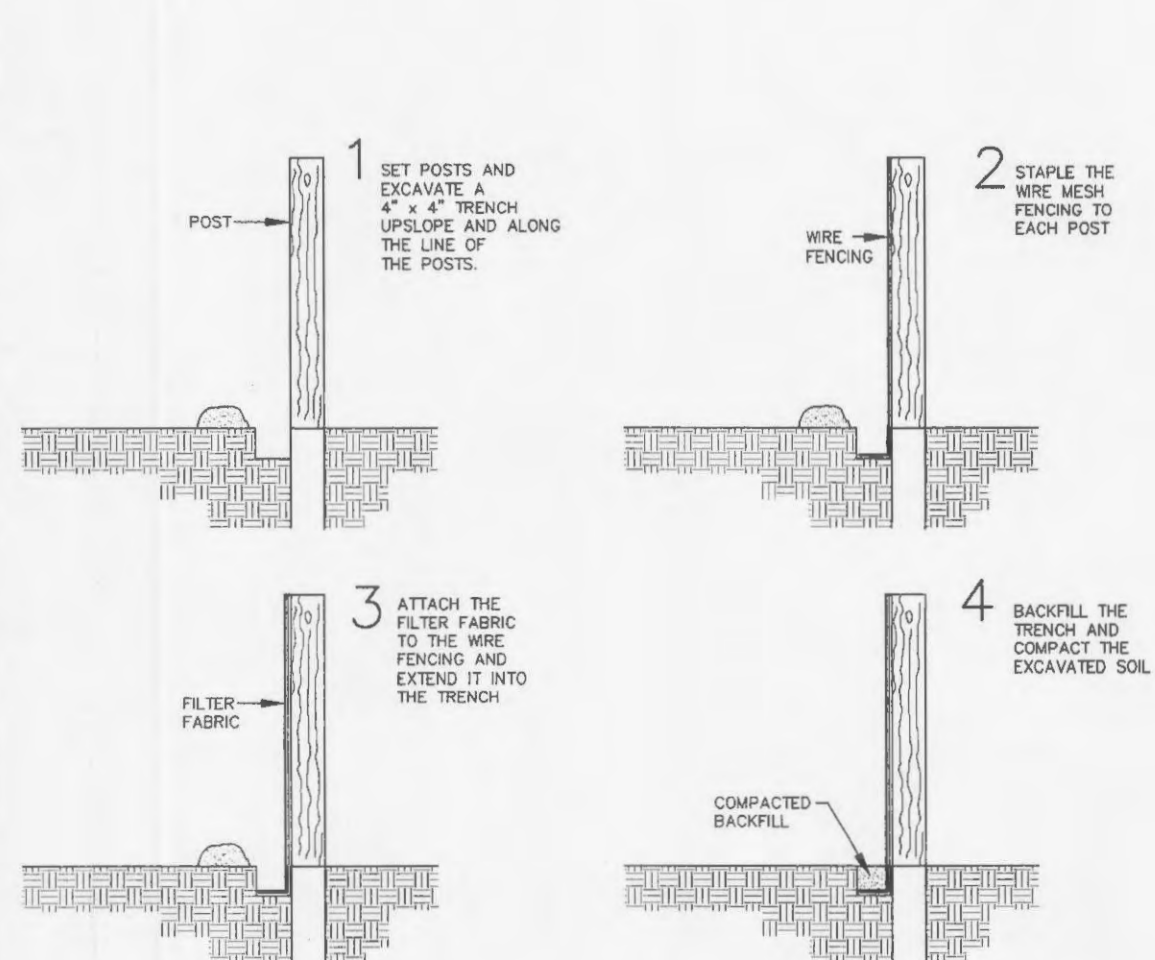
**CONSTRUCTION SPECIFICATIONS**

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Twenty (20) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

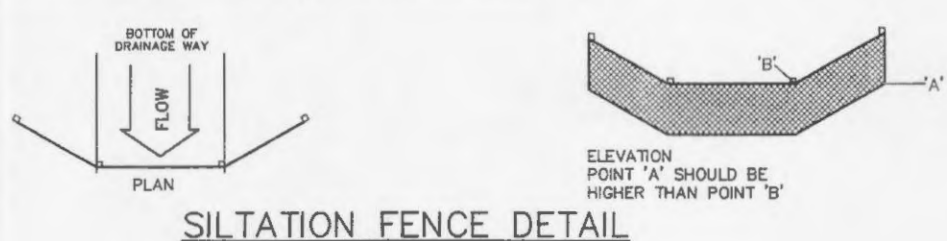
**STABILIZED CONSTRUCTION ENTRANCE/WASHDOWN AREA**  
 NOT TO SCALE



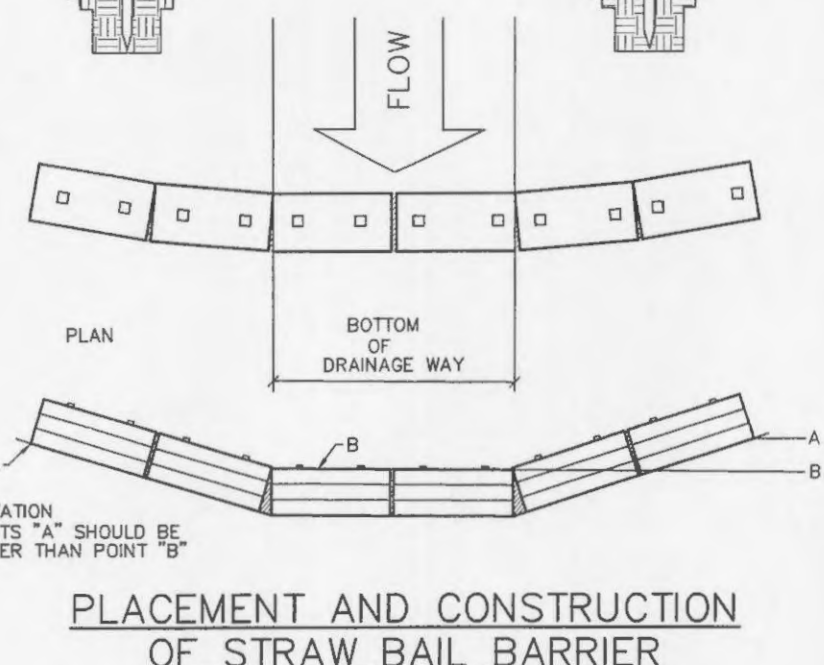
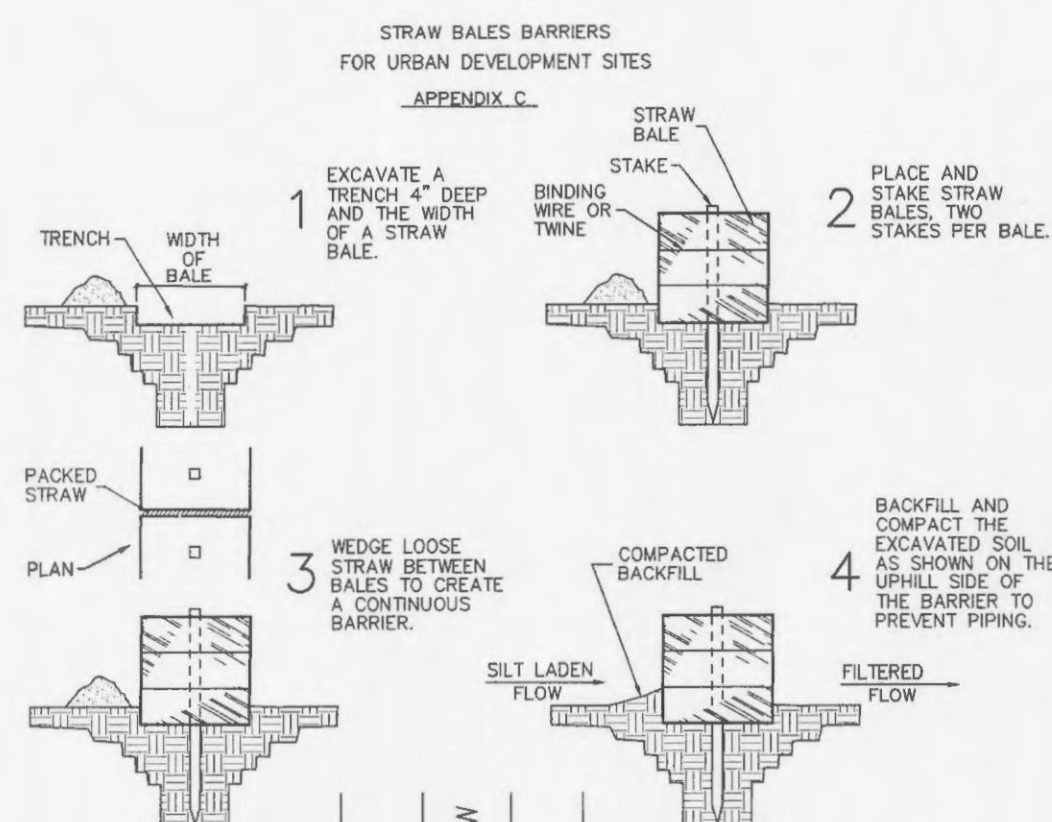
**RISER/PIPE CONNECTION & ANCHOR**  
 N.T.S.



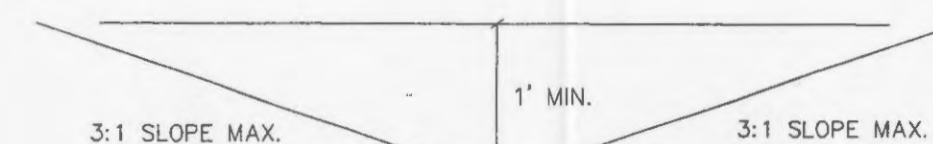
1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.



**SILTING FENCE DETAIL**



**PLACEMENT AND CONSTRUCTION OF STRAW BAIL BARRIER**

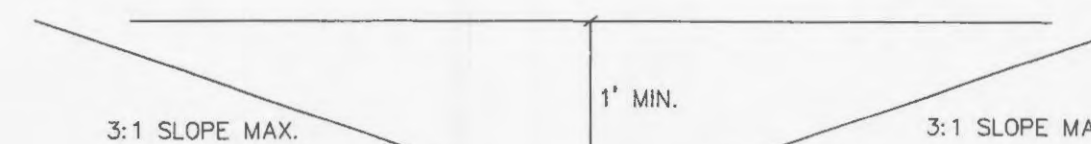


**SWALE TYPE 1**

$$V = \frac{1.486}{n} A^{2/3} S^{1/2} (S)$$

- WHERE
- Q=FLOW IN CFS
  - n=MANNING'S NUMBER
  - S=SLOPE IN FEET/ FOOT
  - D=DEPTH OF WATER IN SWALE
  - A=AREA OF WATER IN SWALE
  - WP=WETTED PERIMETER
  - V=VELOCITY IN FPS
- WORST CASE
- Q=6.00 cfs
  - n=0.030
  - S=0.015
  - D=0.79
  - A=1.90
  - WP=5.03
  - V=3.17 fps

SWALE TO HAVE EROSION BLANKET IF 'V' = 2 to 5 fps  
 USE N.A.G. S75 OR EQUAL

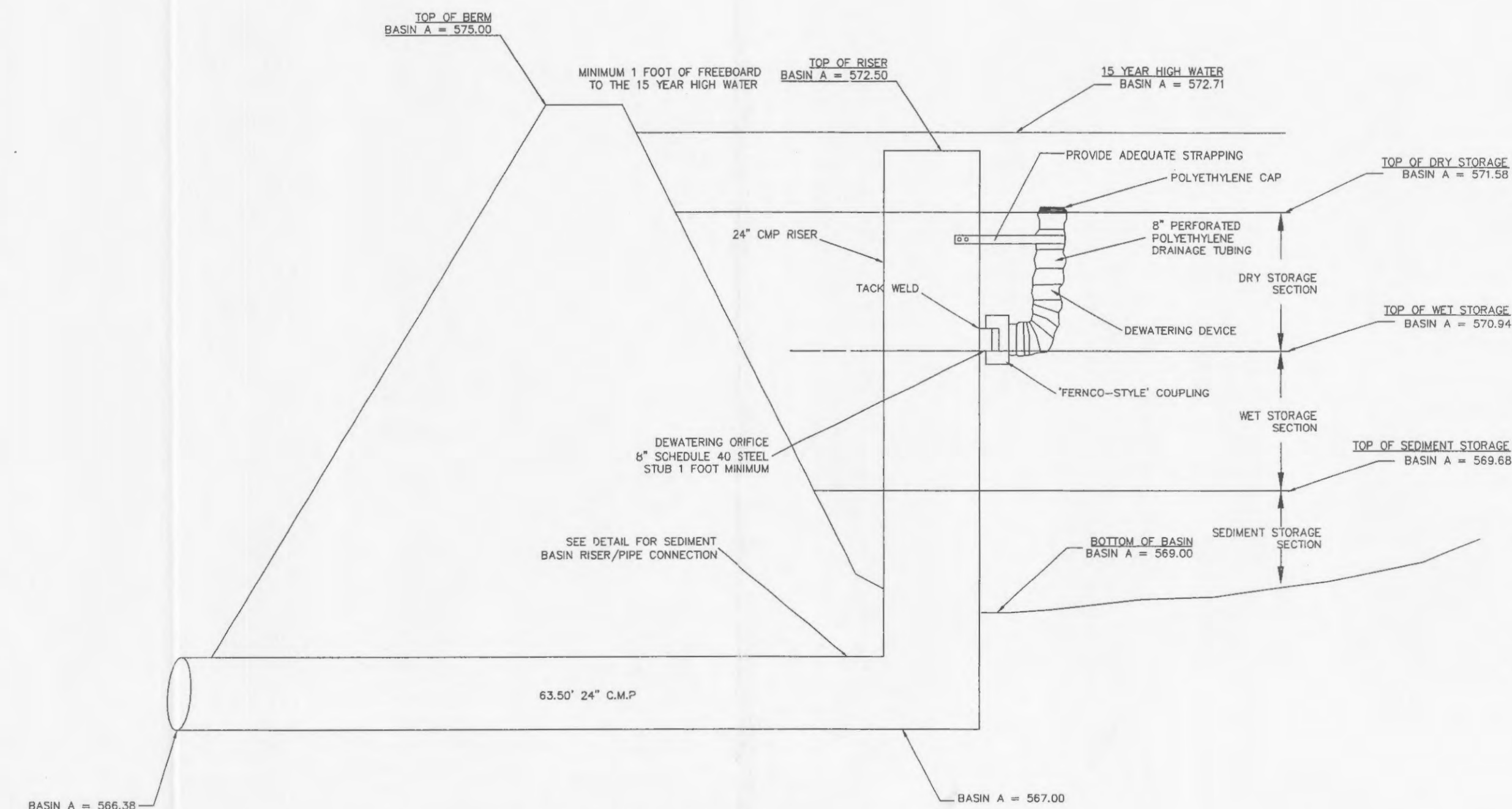


**SWALE TYPE 2**

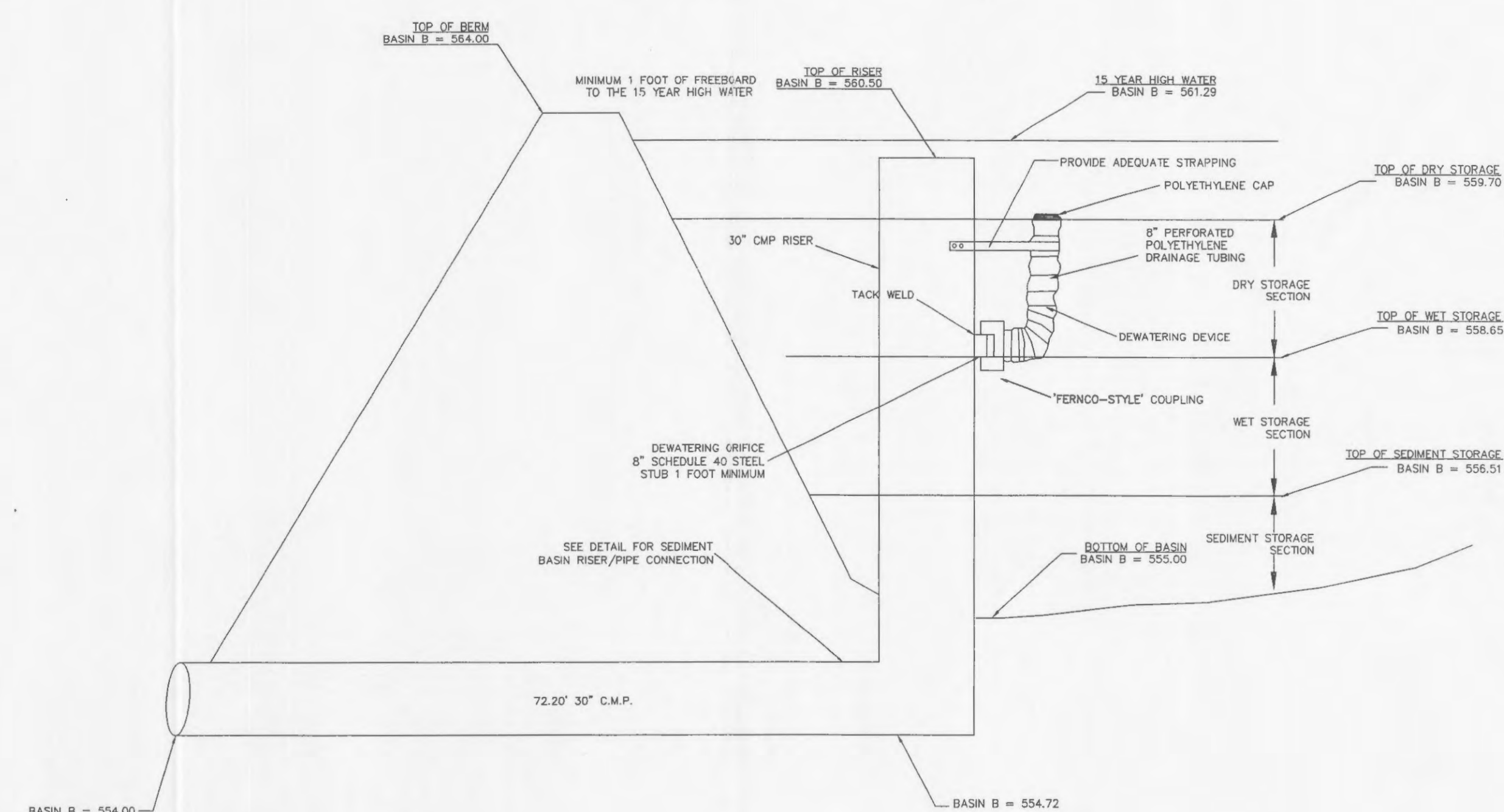
$$V = \frac{1.486}{n} A^{2/3} S^{1/2} (S)$$

- WHERE
- Q=FLOW IN CFS
  - n=MANNING'S NUMBER
  - S=SLOPE IN FEET/ FOOT
  - D=DEPTH OF WATER IN SWALE
  - A=AREA OF WATER IN SWALE
  - WP=WETTED PERIMETER
  - V=VELOCITY IN FPS
- WORST CASE
- Q=5.37 cfs
  - n=0.030
  - S=0.020
  - D=0.31
  - A=1.03
  - WP=6.98
  - V=2.90 fps

SWALE TO HAVE EROSION BLANKET IF 'V' = 2 to 5 fps  
 USE N.A.G. S75 OR EQUAL



**TYPICAL TEMPORARY SEDIMENT BASIN CONTROL STRUCTURE DETAIL (BASIN A)**  
 FIGURE 1  
 NOT TO SCALE



**TYPICAL TEMPORARY SEDIMENT BASIN CONTROL STRUCTURE DETAIL (BASIN B)**  
 FIGURE 2  
 NOT TO SCALE

- NOTE:
- INSPECT THE SEDIMENT BASIN AFTER EACH STORM EVENT.
  - REMOVE AND PROPERLY DISPOSE OF SEDIMENT WHEN IT ACCUMULATES TO ONE HALF THE DESIGN VOLUME.
  - PERIODICALLY CHECK THE EMBANKMENT, EMERGENCY SPILLWAY AND OUTLET FOR EROSION DAMAGE, PIPING, SETTLING, SEEPAGE OR SLUMPING ALONG THE TOE OR AROUND THE BARREL AND REPAIR IMMEDIATELY.
  - REMOVE TRASH AND OTHER DEBRIS FROM THE RISER IF THE SEDIMENT POOL DOES NOT DRAIN PROPERLY.
- TEMPORARY BASINS:
- REMOVE THE BASIN AFTER THE DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, INSPECTED AND APPROVED. DO SO BY DRAINING ANY WATER, REMOVING THE SEDIMENT TO A DESIGNATED DISPOSAL AREA, SMOOTHING THE SITE TO BLEND WITH THE SURROUNDING AREA; THEN STABILIZE.
- PERMANENT BASINS:
- AFTER THE DRAINAGE AREA HAS BEEN STABILIZED AND STORM SEWER SYSTEM COMPLETED, DRAIN ANY WATER AND REMOVE SEDIMENT, REGRADE BASIN BACK TO FINAL DESIGNED GRADES THEN STABILIZE.