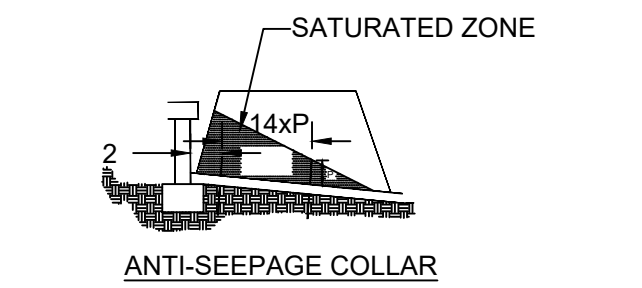


- NOTES:**
1. ALL MATERIALS TO BE IN ACCORDANCE WITH CONSTRUCTION MATERIAL SPECIFICATIONS.
 2. WHEN SPECIFIED ON THE PLANS, COATING OF COLLARS SHALL BE IN ACCORDANCE WITH CONSTRUCTION MATERIAL SPECIFICATIONS.
 3. UNASSEMBLED COLLARS SHALL BE MARKED BY PAINTING OR TAGGING TO IDENTIFY MATCHING PAIRS.
 4. THE LAP BETWEEN THE TWO HALF SECTIONS AND BETWEEN THE PIPE AND CONNECTING BAND SHALL BE CAULKED WITH ASPHALT MASTIC AT THE TIME OF INSTALLATION.
 5. EACH COLLAR SHALL BE FURNISHED WITH TWO (2) 1/2" DIAMETER RODS WITH STANDARD TANK LUGS FOR CONNECTING THE COLLARS TO THE PIPE.



- NOTES:**
- CONNECTIONS BETWEEN THE ANTI-SEEPAGE COLLAR AND THE BARREL MUST BE WATERTIGHT.
- NOTE:**
- FOR BANDS AND COLLARS, MODIFICATION OF THE DETAILS SHOWN MAY BE USED PROVIDING EQUAL WATER TIGHTNESS IS MAINTAINED AND DETAILED DRAWINGS ARE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO DELIVERY.

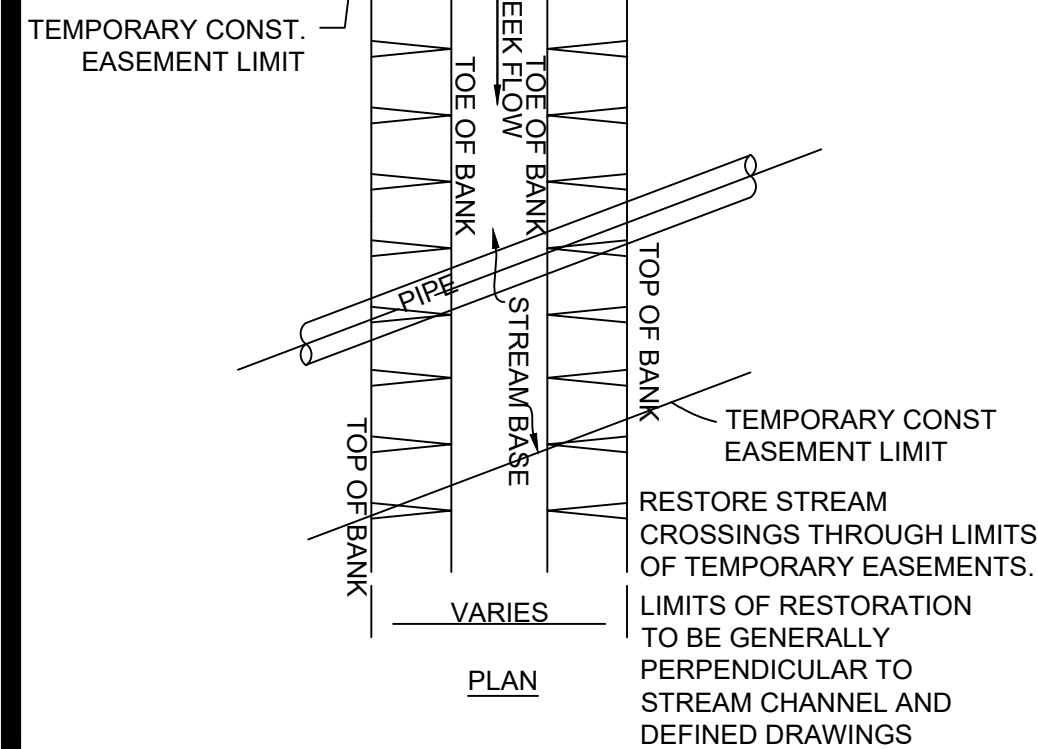
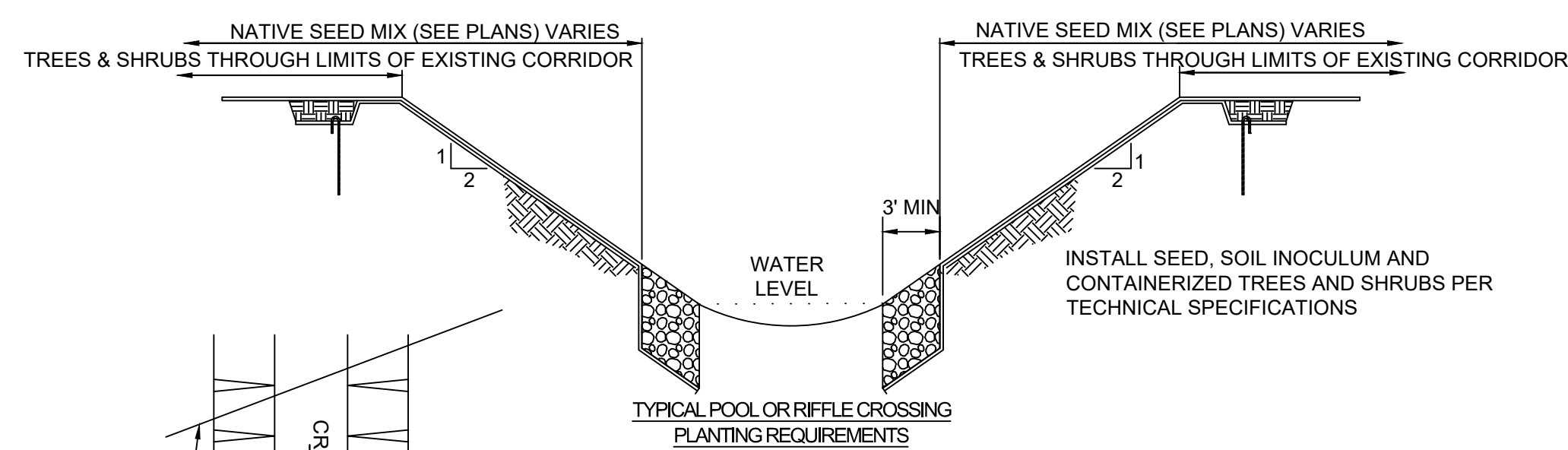
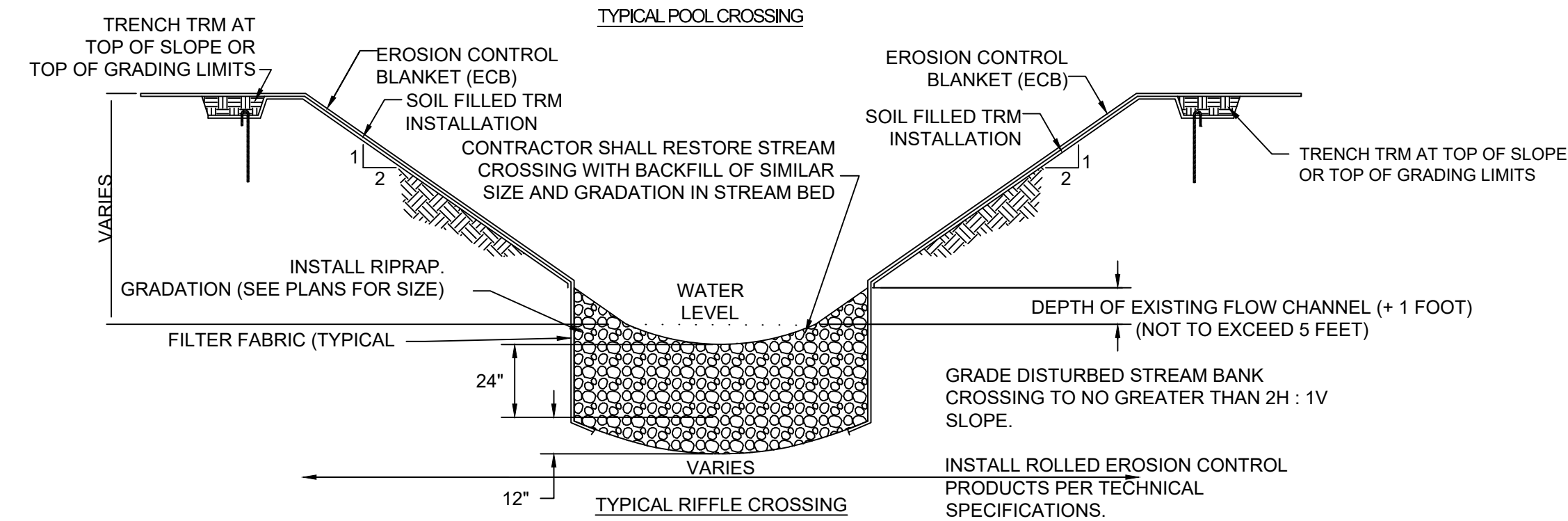
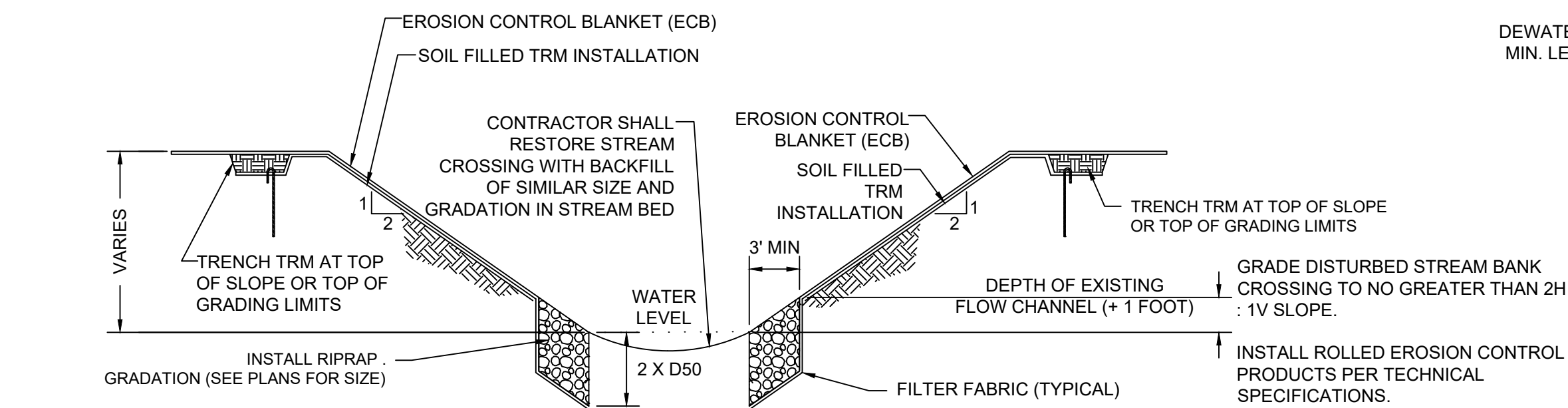
CORRUGATED METAL ANTI-SEEPAGE COLLAR DETAIL

- NOTES:**
- TWO OTHER TYPES OF ANTI-SEEP COLLARS ARE:
1. CORRUGATED METAL, SIMILAR TO ABOVE EXCEPT SHOP WELDED TO A 4 FT. SECTION OF THE PIPE AND CONNECTED TO THE PIPE WITH CONNECTING BANDS.
 2. CONCRETE, 6 INCHES THICK FORMED AROUND THE PIPE WITH #3 REBAR SPACED 15".

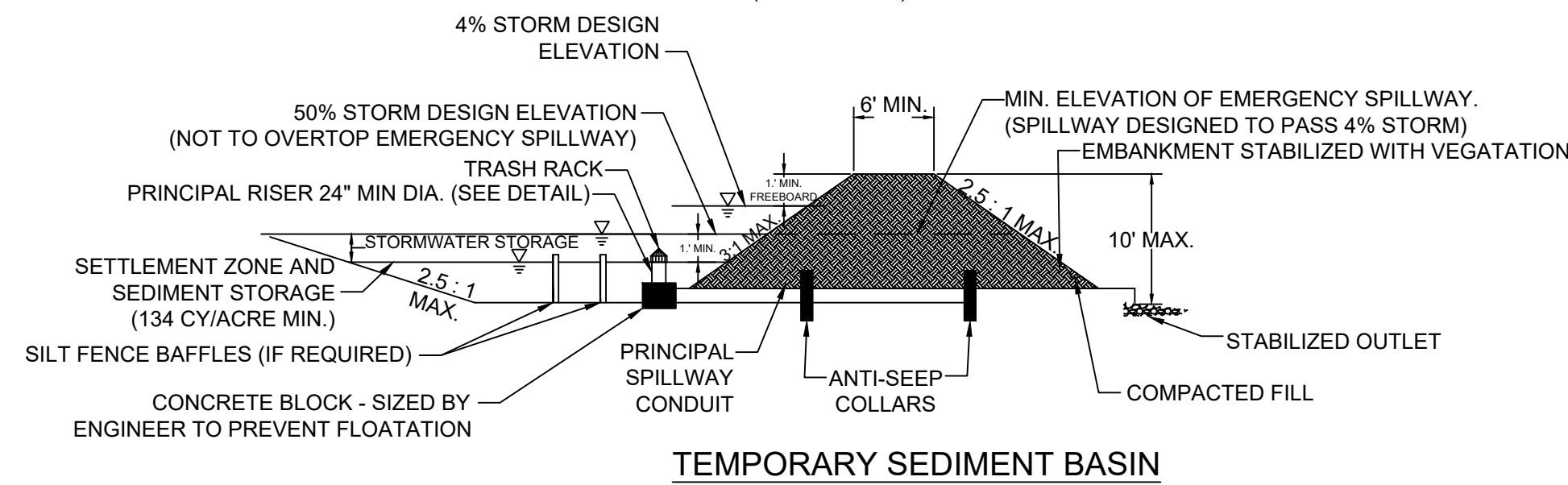
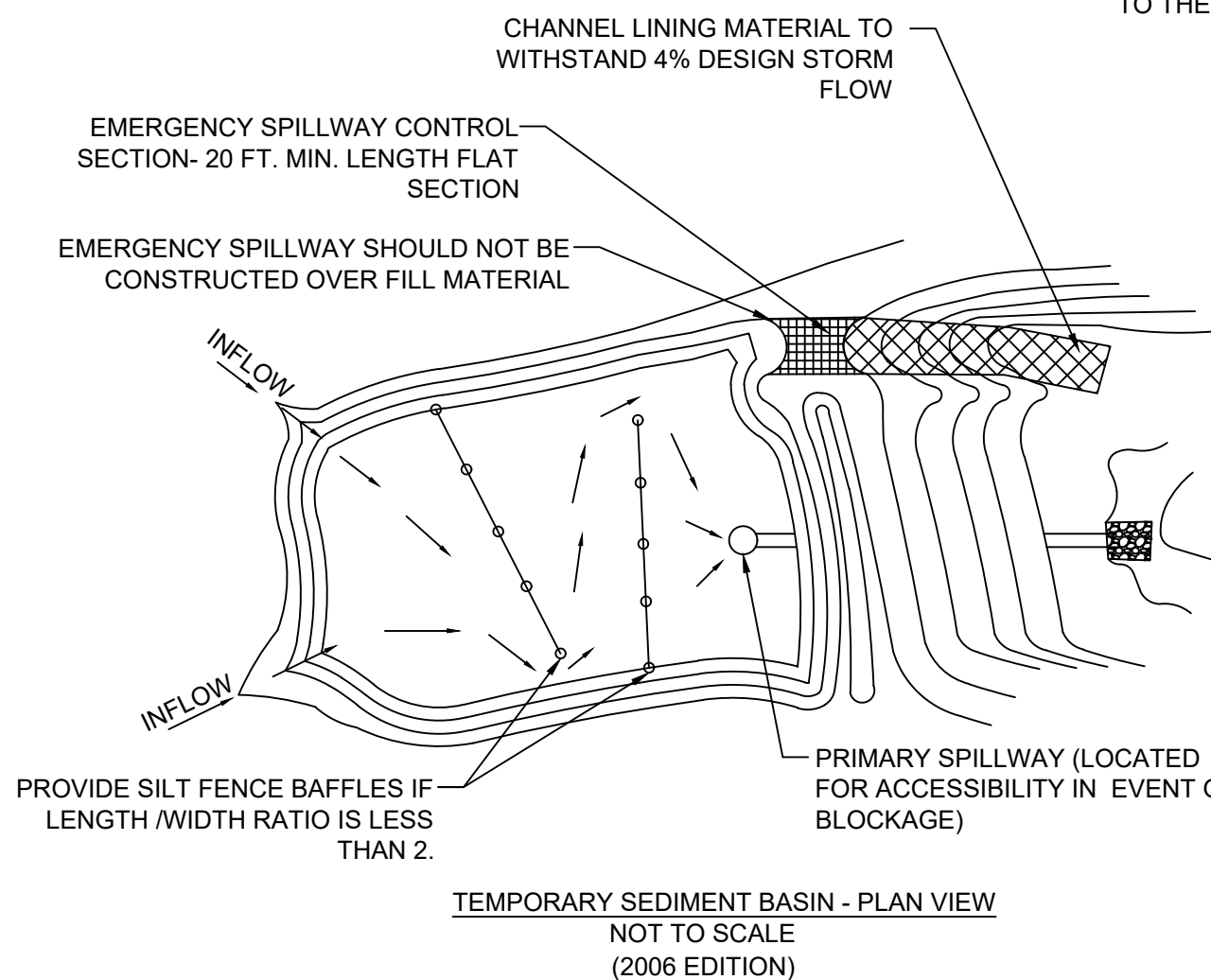
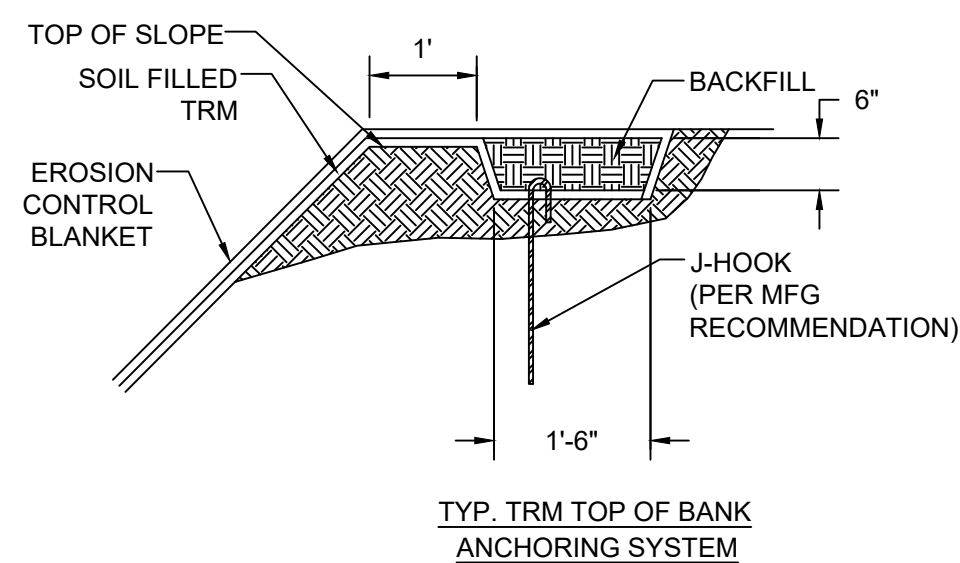
TEMPORARY SEDIMENT BASIN

Sediment Basin Design Data Summary - Required on all Sediment Basin Plan Sheets

Design Item:	Basin # 1	Basin # 2	Basin # 3	Units	Notes
Site Data:					
Tributary Drainage Area to Pond:				Acres	
50% (2 yr) Design Flow:				cfs	Include analysis and supporting documentation/assumptions
4% (25 yr) Design Flow:				cfs	Include analysis and supporting documentation/assumptions
Pond Data:					
Total Required Volume				cu yd	134 cy/acre minimum
Bottom Elevation:				Ft	Match grading plan
Sediment Cleanout Elevation:				Ft	Elevation equal to 20% of total required volume
Top of Riser (Principal Overflow) Elev.:				Ft	At or above elevation equal to total required volume
Auxiliary Spillway Elev.:				Ft	1.0 ft min above 2 yr WSE
Top of Dam Elev.:				Ft	1.0 ft min above 25 yr WSE
Basin Shape Data:					
A = Area at 2 yr WSE				SF	
L = Length of flow path				Ft	
We = Effective Width = A/L				Ft	
Length to Width Ratio = L/We					If Length to Width Ratio is less than 2, baffles are required
Principal Spillway Data:					
Riser pipe dia				in	24-inch min. Size for 2 year flow minimum
Barrel pipe dia				in	24-inch min. Size for 2 year flow minimum
Riser Pipe Base Size				CY	Size to prevent flotation. 1.25 safety factor required
Skimmer perforation sizes				in	Applicable if skimmer is proposed
Emergency Spillway Data:					
Design Depth in spillway:				ft	Assume clogged principal overflow
Design velocity in spillway				ft/sec	
Lining Material:				N/A	



RESTORATION OF TEMPORARY STREAM CROSSING



SEDIMENT BASIN NOTES:

- DESIGN REQUIREMENTS:**
1. THE PLAN AND PROFILES ARE SCHEMATIC IN NATURE. CONSTRUCTION PLANS MUST PROVIDE SPECIFIC SITE CONSTRUCTION ARRANGEMENTS. DETAILS GIVEN IN THESE DRAWINGS SHALL BE USED UNLESS ALTERNATE DETAILS ARE SHOWN IN PLAN AND APPROVED BY THE CITY.
 2. IF THE LENGTH TO WIDTH RATIO IS LESS THAN 2, INTERIOR SEDIMENT FENCE BAFFLES SHALL BE PROVIDED TO REDUCE SHORT-CIRCUITING OF THE BASIN.
 3. EMERGENCY SPILLWAYS TO BE LOCATED IN A NON-FILL LOCATION WHEN FEASIBLE AND SHALL BE LINED WITH A NON-ERODIBLE MATERIAL SUCH AS RIPRAP OR TURF REINFORCEMENT MAT.
- MAINTENANCE/SAFETY REQUIREMENTS:**
1. THE PERMIT HOLDER SHALL CLEAN OUT DEPOSITED SEDIMENT WHEN SEDIMENT STORAGE HAS BEEN REDUCED BY 20% OF THE ORIGINAL DESIGN STORAGE VOLUME. THE CLEANOUT LEVEL SHALL BE INDICATED ON THE RISER PIPE AS SHOWN ON THE DRAWINGS.
 2. SEDIMENT BASINS SHALL BE FENCED USING CONSTRUCTION FENCE OR OTHER MATERIAL FOR SAFETY REASONS AND INCLUDE WARNING SIGNS. READING: "DANGER - KEEP OUT".

Basin Elev (ft)	Surface Area (ft ²)	Incremental Volume (ft ³)	Cumulative Volume (ft ³)	Notes
				Bottom elevation

REVISED DATE: 01/18
 DETAILED: BKC
 APPROVED: ---

Lenexa
 KANSAS

EROSION & SEDIMENT CONTROL 4

SHEET D-504