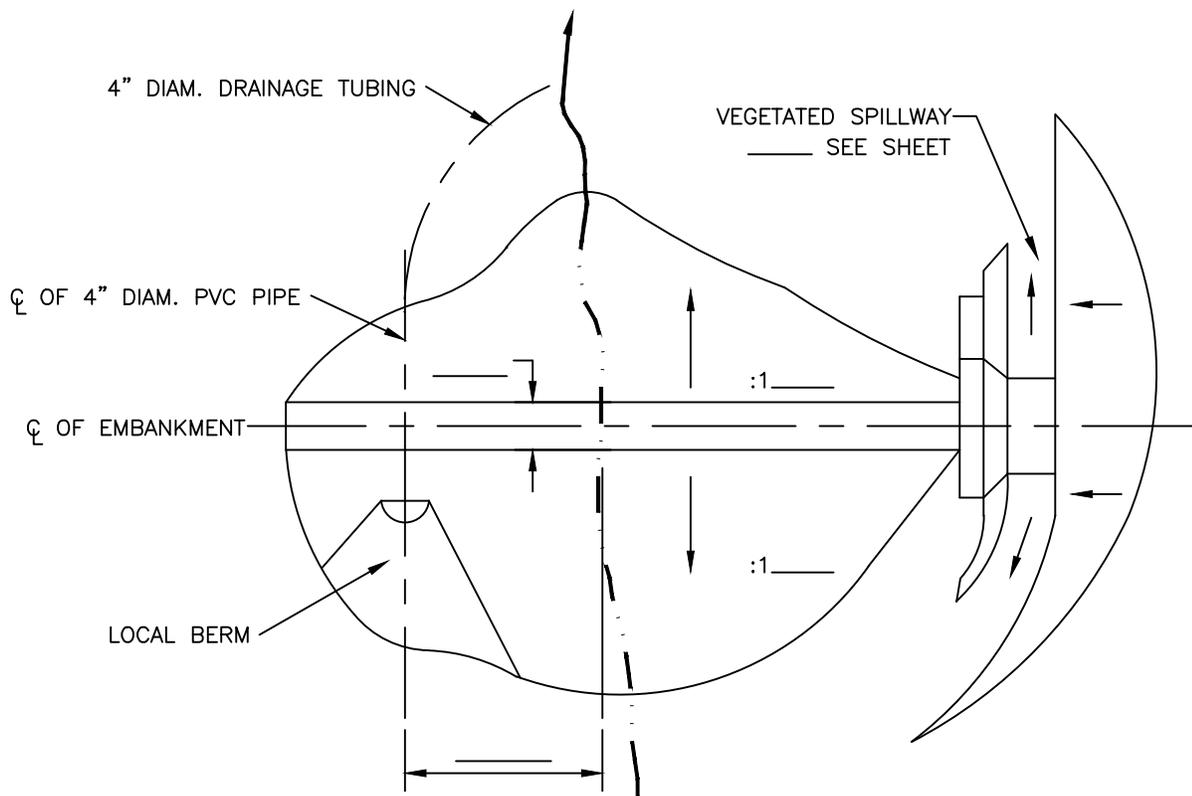


PLAN VIEW



ESTIMATE OF MATERIALS

ITEM	QUANTITY	DWG. NO.
PVC CONDUIT, 4-INCH DIAMETER SIPHON PIPE, ASTM _____, SCH. _____	_____ LIN. FT.	
PVC CONDUIT, 4-INCH DIAMETER OUTLET SECTION, ASTM _____, SCH. _____	_____ LIN. FT.	_____
90 DEGREE ELBOW, FOR 4-INCH DIAMETER PVC, ASTM _____	_____ EACH	
ANTISEEP COLLARS _____	_____ NO.	_____
PIPE SUPPORT _____	_____ EACH	_____
ANIMAL GUARD _____	_____ EACH	_____
FLEXIBLE COUPLING BANDS FOR 4-INCH DIAMETER PVC _____	_____ EACH	
DRAINAGE TUBING, NON-PERFORATED, 4-INCH DIAMETER, NRCS STD 606 & ASTM F 405 _____	_____ LIN. FT.	_____

NOTES:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE.



United States Department of Agriculture

Natural Resources Conservation Service

4-INCH DIAM. PVC SIPHON SYSTEM

CLIENT: \_\_\_\_\_

COUNTY: \_\_\_\_\_

Designed \_\_\_\_\_ Date \_\_\_\_\_

Drawn \_\_\_\_\_

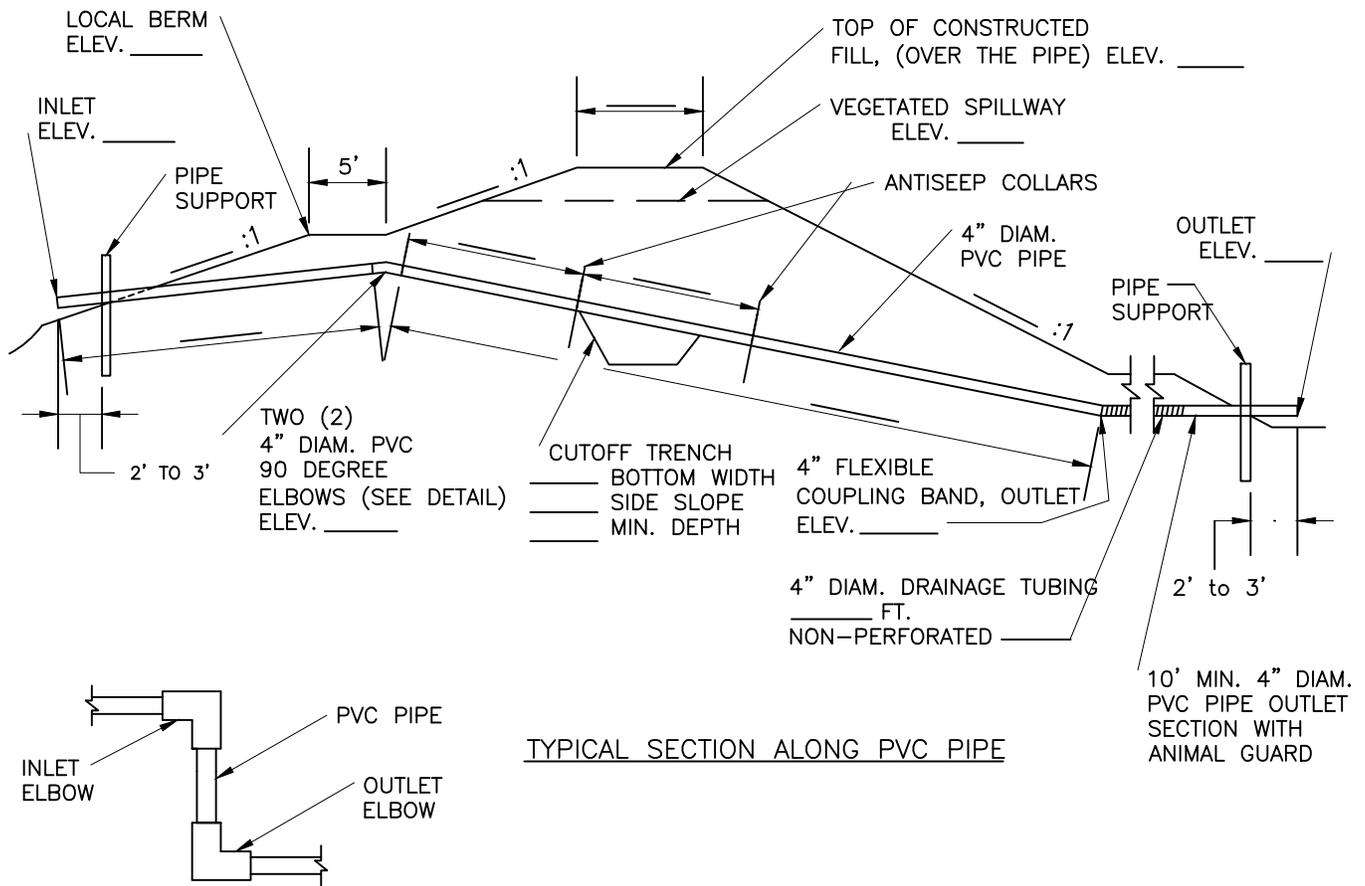
Checked \_\_\_\_\_

Approved \_\_\_\_\_

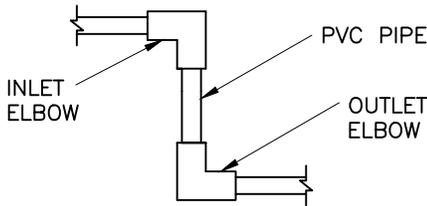
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TYPICAL SECTION ALONG PVC PIPE



PLAN VIEW ELBOW DETAIL

CONSTRUCTION NOTES:

1. THE FLEXIBLE COUPLING SHALL BE MADE OF A RUBBER LIKE MATERIAL WITH TWO (2) STAINLESS STEEL HOSE CLAMPS. THE FLEXIBLE COUPLING SHALL BE SIMILAR OR EQUAL TO FERNCO COUPLING, FERNCO JOINT SEALER COMPANY, FERNDALE, MI.
2. POLYVINYL CHLORIDE PIPE (PVC) SHALL MEET THE REQUIREMENTS OF ASTM DESIGNATION D1785, SCHEDULE 40 OR 80, PVC 1120 OR PVC 1220 OR ASTM DESIGNATION D2241, SDR 26.
3. INSTALL PIPE SUPPORTS AS SHOWN. THE PIPE INVERTS ARE TO BE A MINIMUM OF SIX (6) INCHES ABOVE THE GROUND SURFACE.
4. THE NINETY (90) DEGREE ELBOWS ARE TO BE ROTATED TO A POSITION TO GIVE THE CORRECT INLET AND OUTLET ELEVATIONS.
5. RECOMMENDED PROTECTION OF THE PVC PIPE OUTLET FROM SUNLIGHT IS BY USE OF ULTRA-VIOLET RESISTANT MATERIALS OR PROTECTIVE COATINGS.
6. THE MOST PERVIOUS FILL IS TO BE PLACED IN THE DOWNSTREAM 1/3 OF THE DAM.

DESIGN NOTES:

1. INSTALL DRAWDOWN PIPE SYSTEM INTO THE EMBANKMENT ON THE SIDE OPPOSITE THE VEGETATED SPILLWAY. SIPHON ELBOW INVERT TO BE PLACED A MINIMUM OF TWO (2) FEET BELOW THE ELEVATION OF THE VEGETATED SPILLWAY CONTROL SECTION.
2. THE OUTLET OF THE RIGID PVC SIPHON PIPE MUST BE LOWER THAN THE INLET ELEVATION.
3. PLASTIC DRAINAGE TUBING (NON-PERFORATED) SHALL BE USED WHERE THE DESIRED OUTLET IS NOT AT THE LOCATION OF THE RIGID PVC PIPE OUTLET. THE PVC PIPE SHALL EXTEND AT LEAST TO THE POINT SHOWN UNDER THE EMBANKMENT TOE.