

Design Assumptions for
Nebraska Base Drawing NE100-20-003
PVC (1120) Pipe for Canopy Inlet Drawdown Facility

Revised: 9/02 Replaces: 5008-4

PVC (1120) Pipe for Canopy Inlet Drawdown Facility

This installation lends itself to applications where there is a need to draw down the permanent pool.

This drawing should be used in conjunction with Nebraska Base Drawing NE100-20-002, PVC Canopy Inlet.

NEM NE5001.80 states the requirement and criteria of drawdown installations with reference to Department of Water Resources (Surface Water – Chapter 46).

Instructions for
NE Base Drawing NE100-20-003
PVC (1120) Pipe for Canopy Inlet Drawdown Facility

Fill in the following data fields to automatically fill in the necessary data fields on the drawing.

Title block

Title line(s)

Subtitle line

County, State

Sheet number of

Who / When

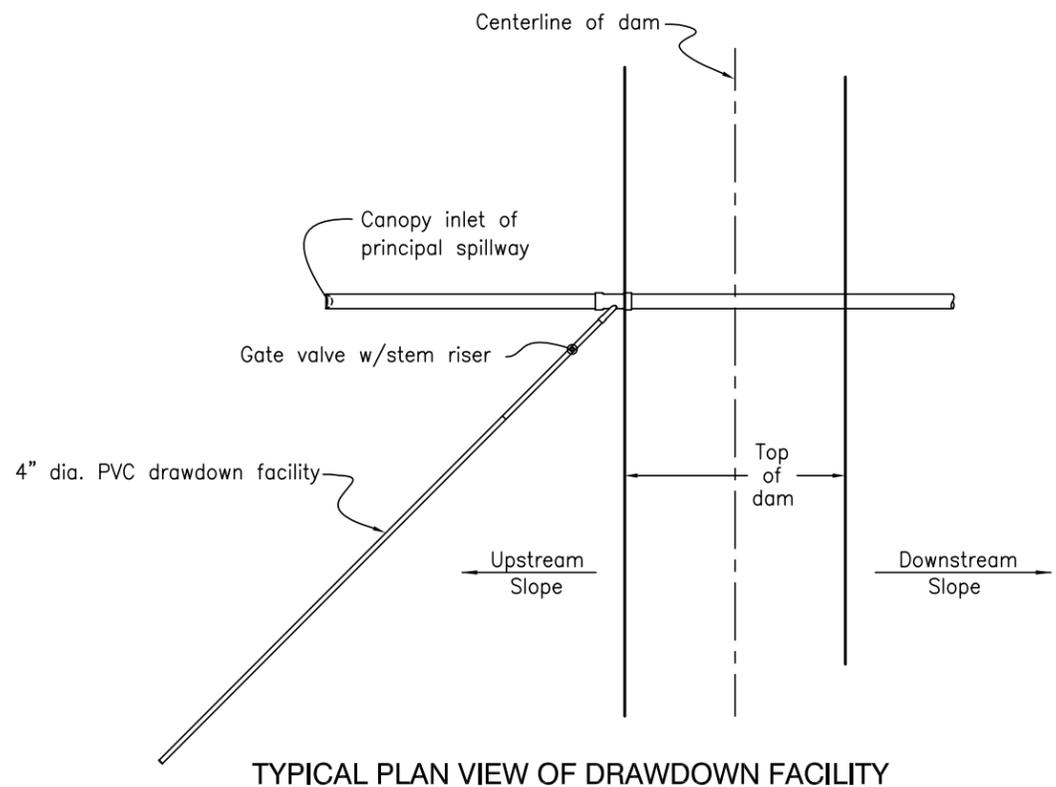
Designed

Drawn

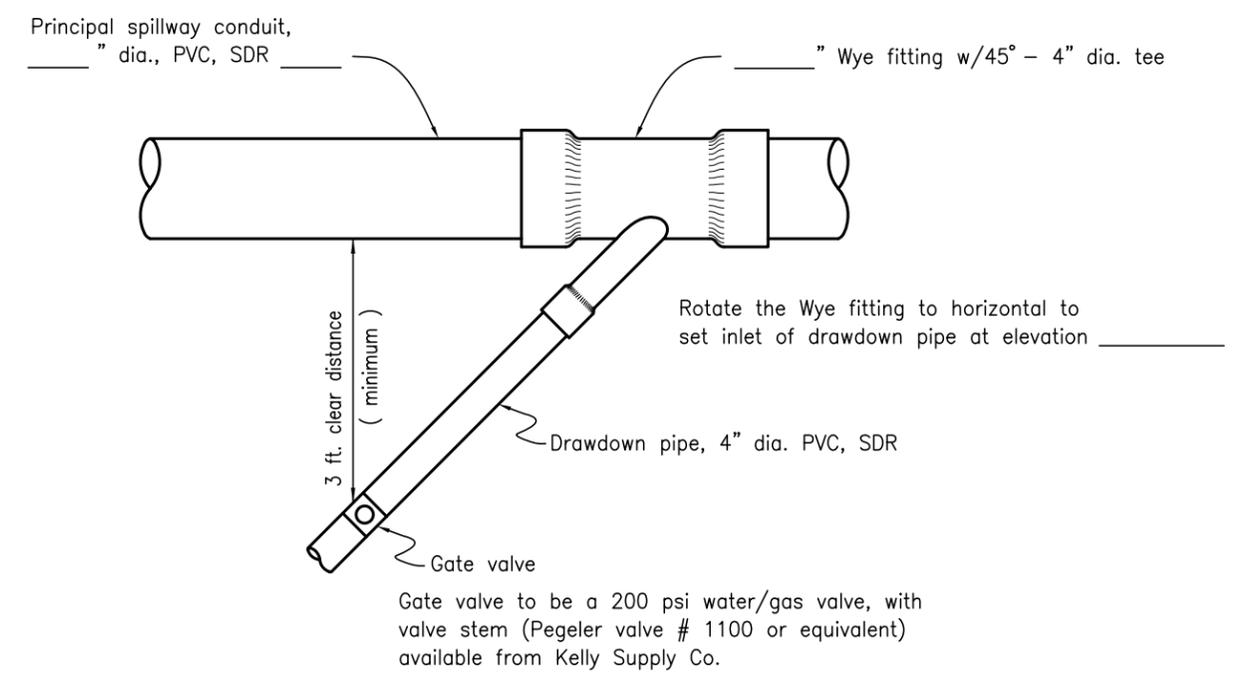
Checked

Fill data directly on drawing

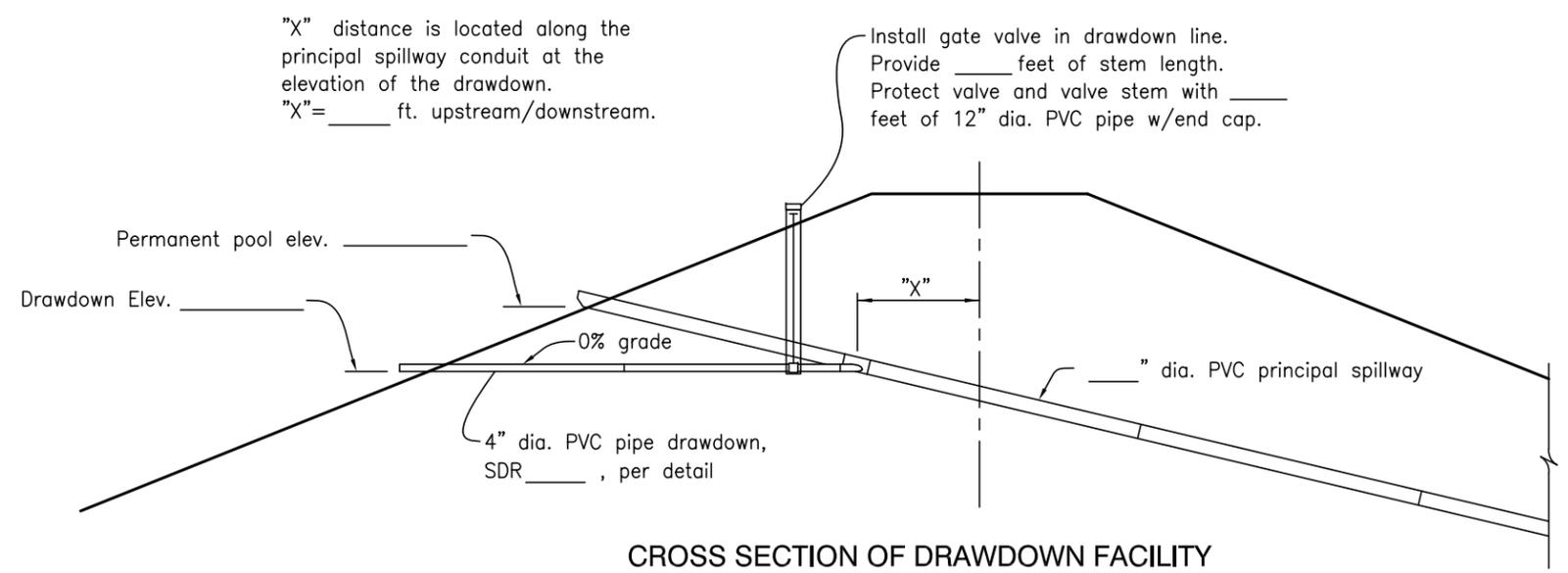
Left click blue data fields to enter required data.



TYPICAL PLAN VIEW OF DRAWDOWN FACILITY



DETAIL OF "WYE" FITTING AND DRAWDOWN PIPE



CROSS SECTION OF DRAWDOWN FACILITY

NOTES:

1. SDR _____ PRESSURE RATED PVC PIPE SHALL CONFORM TO ASTM STANDARD D2241, SCHEDULE 40 AND 80 SHALL CONFORM TO ASTM D1785.
2. THE LONGEST SECTION OF PIPE IN THE INSTALLATION SHALL NOT EXCEED 20 FEET IN LENGTH.
3. PVC PIPE SHALL BE JOINED BY SOLVENT WELDED OR DOUBLE GASKETED COUPLING. THE STRENGTH OF THE JOINT OR COUPLING SHALL BE CONSISTENT WITH THE STRENGTH OF THE PIPE BEING USED.
4. THE PIPE SHALL BE FIRMLY AND UNIFORMLY BEDDED SO THE LOWER ONE-SIXTH OF THE CIRCUMFERENCE WILL BEAR AGAINST ORIGINAL OR COMPACTED EARTH.
5. THE PVC PIPE DRAWDOWN FACILITY SHALL BE THE SAME STRENGTH REQUIREMENT AS THE PRINCIPAL SPILLWAY CONDUIT.

EQUIVALENT SDR RATINGS FOR SCHEDULE 40 & 80 PVC PIPE (ASTM D1785)

DIAMETER (INCHES)	SCHEDULE 40 SDR EQUIVALENT	SCHEDULE 80 SDR EQUIVALENT
6	24	15.5
8	27	17.5
10	30	18
12	31.5	19
15	---	---

REQUIREMENT TABLE

ITEM	UNIT	QUANTITY
4" DIA. PVC (1120) PIPE, SDR _____	FT.	
4" DIA. GATE VALVE, WITH _____ FEET STEM LENGTH	EACH	
12" DIA. PVC (1120) PIPE WITH END CAP	FT.	
_____ " DIA. PVC (1120) WYE FITTING WITH 4" DIA. TEE	EACH	

PVC (1120) PIPE FOR CANOPY INLET DRAWDOWN FACILITY

Nebraska Standard Drawing NE100-20-003 Revised 9/02 Replaces 5008-4

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____



CAD file: NE100-20-003.dwg
 Drawing No. _____

Sheet _____ of _____