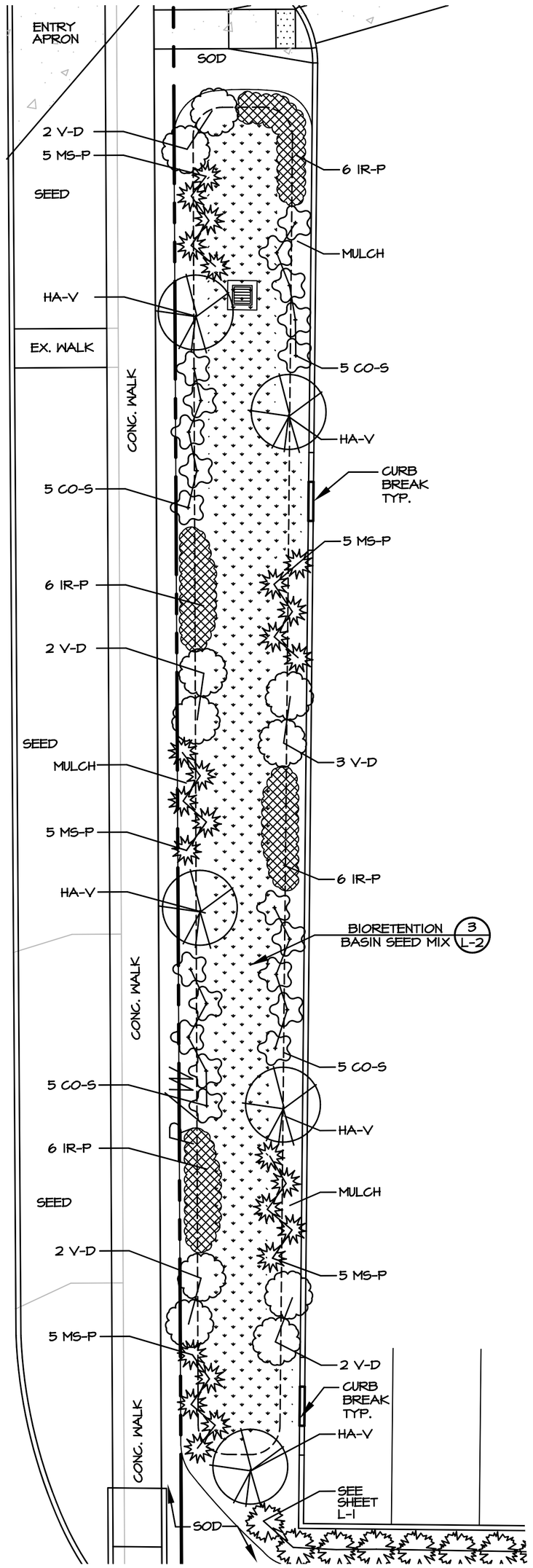
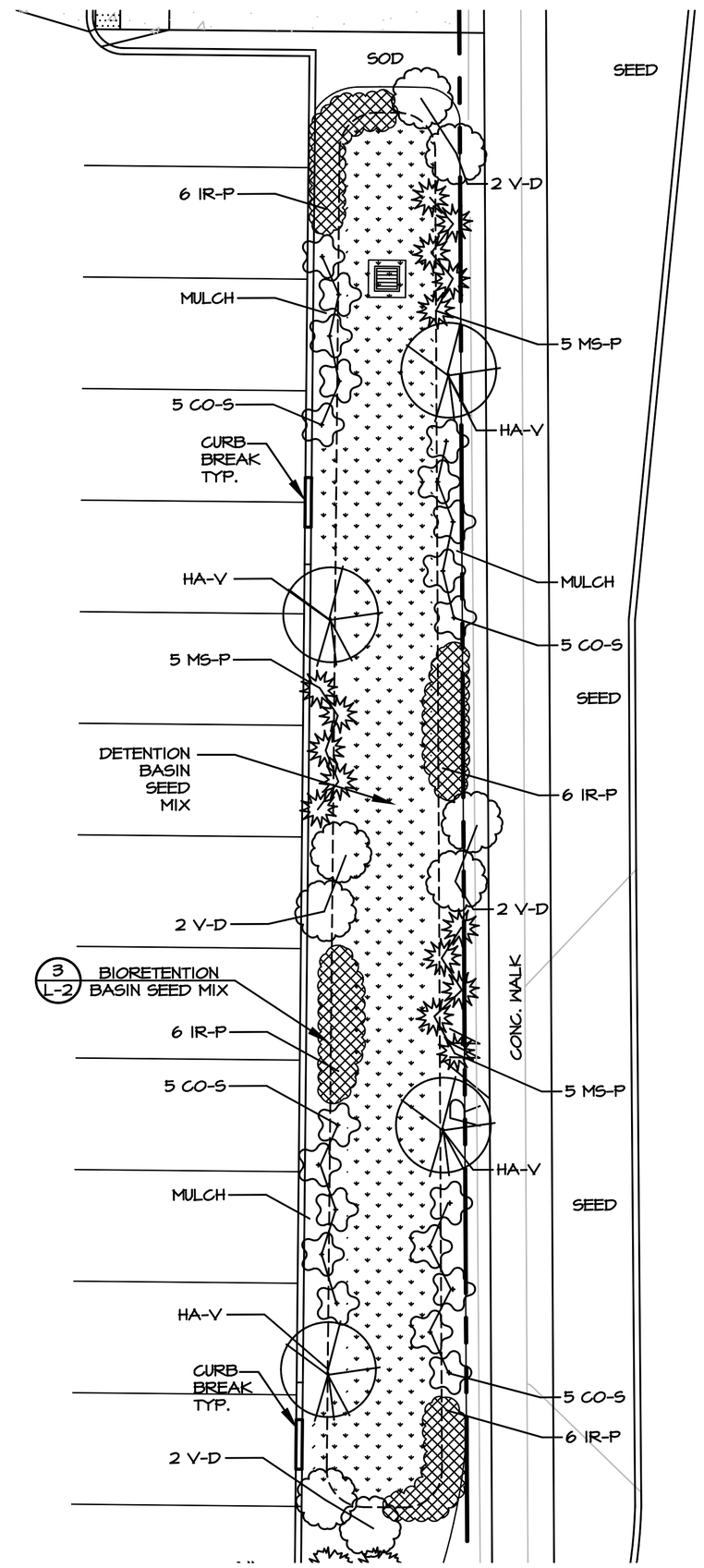


1 L-2 BIOSWALE 'A'

SCALE: 1/8"=1'-0"

NORTH

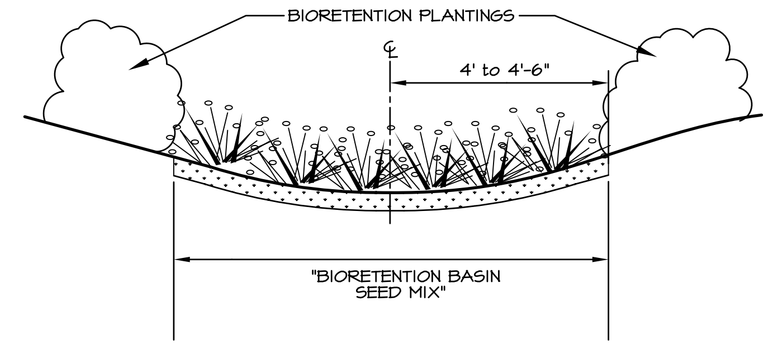


2 L-2 BIOSWALE 'B'

SCALE: 1/8"=1'-0"

NORTH

BIORETENTION BASIN SECTION



NOTE: NOT TO SCALE

NOTES:

1. INSTALL AN EROSION CONTROL BLANKET IN WILD FLOWER PRESERVE OVER SEED. EROSION CONTROL BLANKET TO BE MADE OF 100% WEED FREE STRAW AND BIODEGRADABLE NETTING, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
2. BIORETENTION BASIN SEED MIX MANUFACTURED BY JFNEW NATIVE PLANT NURSERY, WALKERTON, INDIANA, (574) 586-2412.
3. REFER TO ENGINEER'S PLANS FOR VEGETATED SWALE WITH DRAIN DETAIL AND SOIL SPECIFICATIONS.

SEED MIX INFORMATION:

Permanent Grasses/Sedges:

Scientific Name	Common Name	Lbs./Acre
Carex frankii	Frank's Sedge	2.25
Carex grayi	Gray's Sedge	2.25
Carex lurida	Shallow/Lurid Sedge	2.25
Carex vulpinoidea	Brown Fox Sedge	2.25

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3 L-2 BIORETENTION BASIN SEED MIX

BIORETENTION BASIN PLANT LIST

TOTAL. QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
40	CO-S	CORNUS SERICEA	RED OSIER DOGWOOD	36"	B&B
9	HA-V	HAMAMELIS VERNALIS	VERNAL WITCHHAZEL	48"	B&B
48	IR-P	IRIS PSEUDACORUS	YELLOW FLAG IRIS	#2	CONT.
45	MS-P	MISCANTHUS SINENSIS 'PURPURASCENS'	FLAME GRASS	#2	CONT.
18	V-D	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	36"	B&B

BIORETENTION BASIN SEEDING METHODS

1. STORE SEED UNTIL USE, IN A COOL, DARK PLACE. MANY SPECIES OF WETLAND SEED NEED TO BE COLD STRATIFIED TO GERMINATE. MANY SPECIES ALSO NEED LIGHT TO GERMINATE.
2. THE MOST WIDELY USED METHOD FOR COLD STRATIFICATION IS TAKEN FROM PLANT PROPOGATION PRINCIPLES AND PRACTICES, AND AS IS FOLLOWS: DRY SEEDS SHOULD BE FULLY SOAKED WITH WATER PRIOR TO REFRIGERATED STRATIFICATION.
3. TWELVE TO TWENTY-FOUR HOURS OF SOAKING AT WARM TEMPERATURES MAY BE SUFFICIENT FOR SEEDS WITHOUT HARD SEED COATS OR COVERINGS. AFTER SOAKING, SEEDS ARE USUALLY MIXED WITH A MOISTURE - RETAINING MEDIUM FOR THE STRATIFICATION PERIOD.
4. ALMOST ANY MEDIUM THAT HOLDS MOISTURE, PROVIDES AERATION, AND CONTAINS NO TOXIC SUBSTANCE IS SUITABLE. THESE INCLUDE WELL-WASHED SAND, PEAT MOSS, SPHAGNUM MOSS, OR VERMICULITE. ANY MEDIUM SHOULD BE MOIST BUT NOT SO WET THAT WATER CAN BE SQUEEZED OUT.
5. SEEDS ARE MIXED WITH ONE TO THREE TIMES THEIR VOLUME OF THE MEDIUM. POLYETHYLENE BAGS ARE EXCELLENT CONTAINERS FOR USE IN STRATIFICATION. THE TIME REQUIRED FOR THIS PROCESS IS USUALLY FOUR TO EIGHT WEEKS.
6. SEED SHOULD BE EXAMINED TO MAKE SURE IT IS NOT DRYING OUT DURING THIS TIME, AND GENTLY TURNED.

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