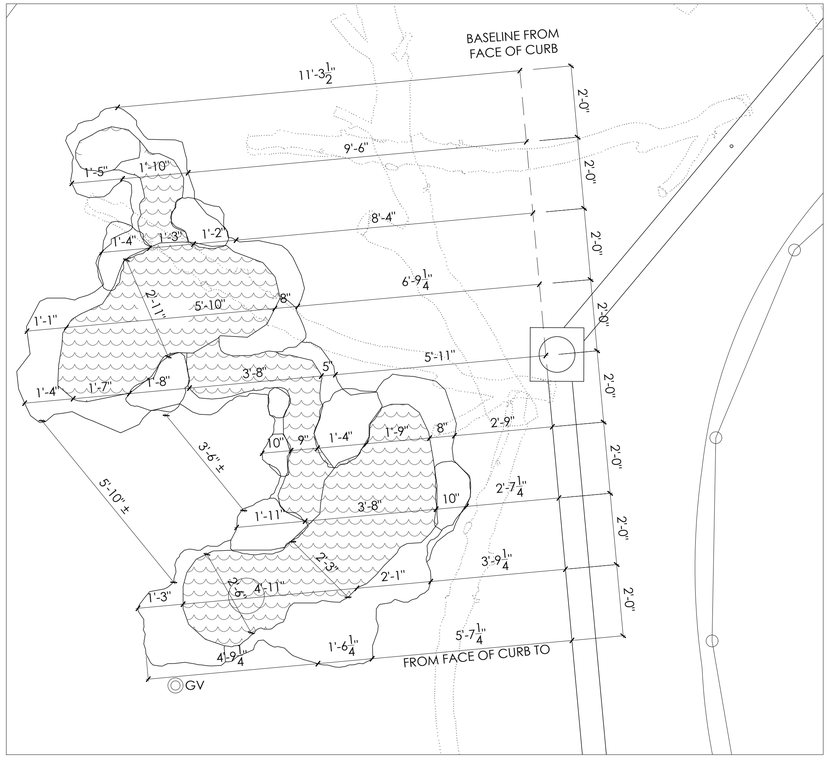
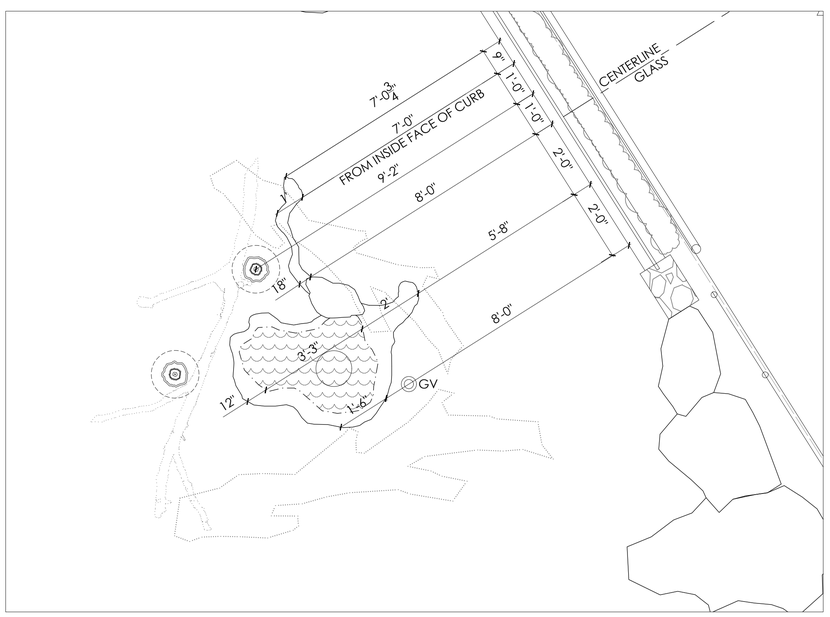


1 L8.20 DETAILED LAYOUT PLAN BOBCAT WATER FEATURE

SCALE: 1/2" = 1'-0"



2 L8.20 DETAILED LAYOUT PLAN PORCUPINE DRINKING POOL & DEN

SCALE: 1/2" = 1'-0"

WATER FEATURE DESCRIPTIONS

Bobcat LSS Narrative

Population: 2

A recirculated and filtered water system includes: a fill pool, small stream, upper pool, stream, and lower pool. The total change in water level from top to bottom is 3.5'.

The upper pool is 18 square feet in area, approximately 1' deep, estimated volume is 135 gallons. The fill basin is approximately 25 gallons and is connected to the upper pool by a small stream approximately 5' long and dropping 2' in grade. The meandering stream that connects the upper and lower pools is approximately 8' long with an 18" grade change from the two pools. The lower pool is 25 square feet in area approximately 1' deep, estimated volume is 187 gallons. A skimmer is recommended for each of the pools.

The pools and streams are intended to provide enrichment for the animals as well as a source of drinking water. The pools and streams are intended to function all year and to not be winterized (TMZ to confirm). The pools will be emptied by draining the upper pool into the lower pool where the drain will be connected to the on site sanitary system. A nearby gate valve will be provided for staff to drain the pools. Frequency of draining and refilling pools will be weekly.

Porcupine LSS Narrative

Population: 2

A small pool, approximately 10 square feet and 8" deep provides a fresh water drinking source for the animals, approximately 60 gallons. This pool will be emptied and refilled daily. A drain connected to the on site sanitary system has a nearby gate valve for staff to operate. The pool will function from April through the end of October when it will be winterized.

Fox LSS Narrative

Population: 2

A recirculated and filtered system includes: a fill pool, small stream, and a single pond approximately 7' long, varying in width (2' to 3') and depth (12" to 18"). Approximate gallonage is 190. The pool is intended to function year-round and to not be winterized (TMZ to confirm). The bottom of the pool slopes to a drain at one end. A nearby gate valve will be provided for staff to drain the pool. Frequency of draining and refilling pools will be weekly.

LEGEND OF SYMBOLS

- (19.0) EXISTING MANHOLE & EL.
- DR (19.0) EXISTING DRAIN & RIM EL.
- G EX. GAS VALVE
- W EX. WATER VALVE
- EX. FIRE HYDRANT
- +/- PLUS OR MINUS DIMENSION
- 4 / L3.4 DETAIL REFERENCE: DETAIL NUMBER / SHEET NUMBER
- 4 / L3.4 PLAN, SECTION, OR ELEV. DETAIL REF. INDICATES DIR. OF VIEW
- ∅ DIAMETER
- ALIGN ELEMENTS
- SET ELEMENTS PARALLEL
- ELEVATION MARKER
- 83° 1'10" ANGLE IN DEGREES, MIN., SEC.
- LIMIT OF WORK
- (22.0) EXISTING SPOT ELEVATION
- + 22.0 PROPOSED SPOT ELEVATION
- 24 EXISTING CONTOUR
- 24 PROPOSED CONTOUR
- 1% PERCENTAGE & DIR. OF DN. SLOPE
- ℄ CENTER LINE
- ANGLE
- LF-1 FULLY ENCLOSED GASKETED LED
- LF-2 LED WALL
- LF-3 LED FLOOD
- WP WEATHERPROOF RECEPTACLE (SEE E1.00)
- PH FROST PROOF POST HYDRANT (SEE P1.00)
- CB CATCH BASIN (SEE CIVIL DWGS)
- TD TRENCH DRAIN (NIGHT HOUSES) (SEPTIC, SEE CIVIL DWGS.)
- PD POOL DRAIN

3 L8.20 DETAILED LAYOUT PLAN FOX WATER FEATURE

SCALE: 1/2" = 1'-0"

0 1 2 4

TRAILSIDE MUSEUMS AND ZOO

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Number	Revision	Date

REGISTERED LANDSCAPE ARCHITECT SALLY COYLE 002100 STATE OF NEW YORK

100% CONSTRUCTION DOCUMENTS

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Job #	0191
Project	ANIMAL HABITAT IMPROVEMENTS
Drawn By	SC, RK Checked SC
Date	02 April 2021
Scale	1/2" = 1'

Drawing Title

Water Feature Layout Alternate #3

L8.20