

## Index to Plans

Sheet No.	Title
1	General Plan
2	Index to Plans
3	Self-Closing Flood Barrier Plan
4	Self-Closing Flood Barrier Typical Section
4 5	Self-Closing Flood Barrier Graphic
6	Detention Basin Plan
7	Detention Basin Profile
8	Mitigation Area Plan
9	Self-Closing Flood Barrier Proposed Site
10	Self-Closing Flood Barrier Aerial View
11	Detention Basin Proposed Site
12	Detention Basin Aerial View

## Legend





P Pump



(A) Check Valve



Concrete



--- Wetland

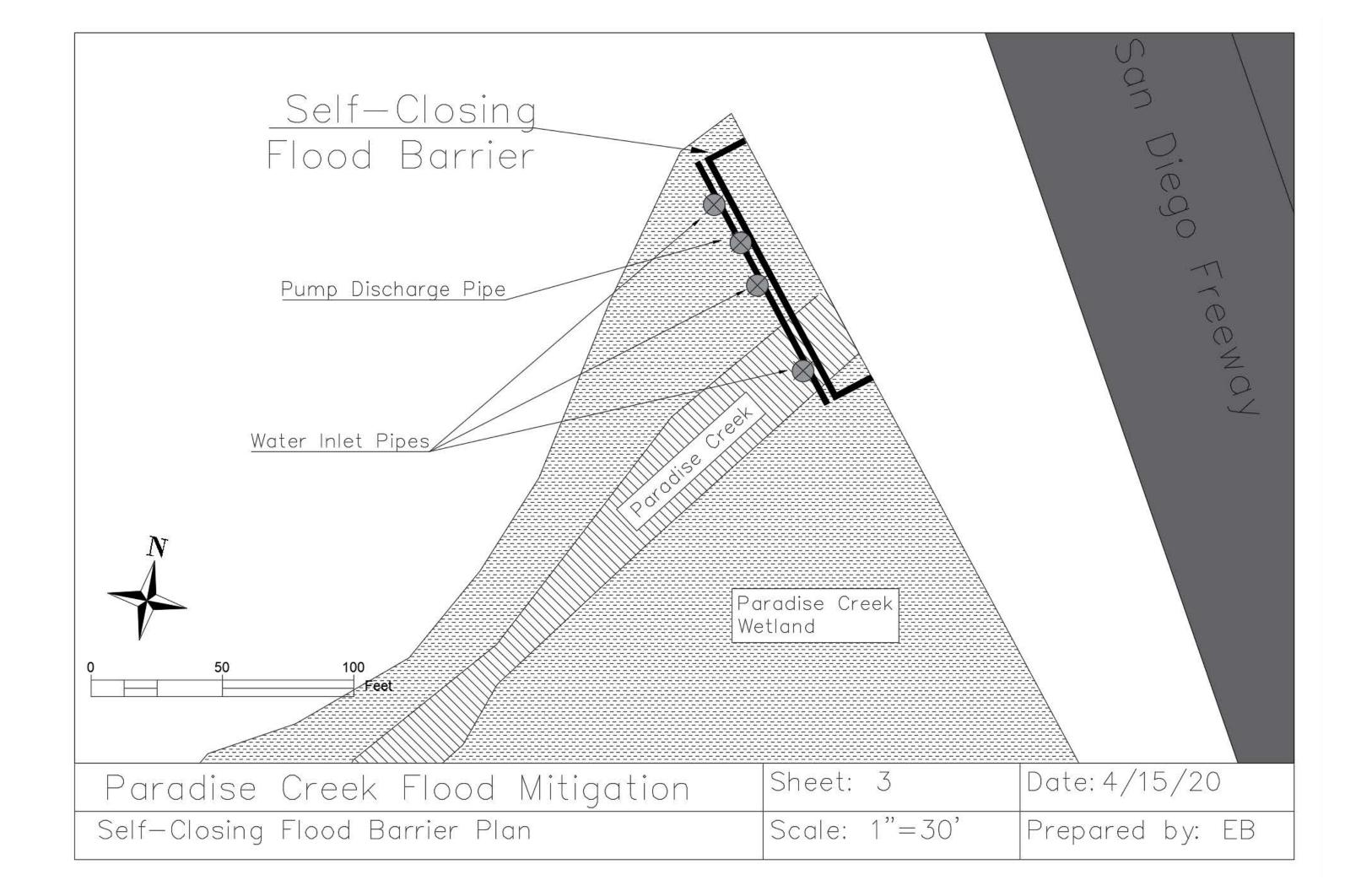


Roadway



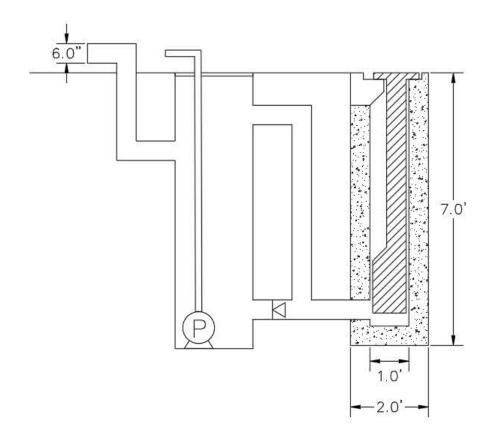
Mitigation Area

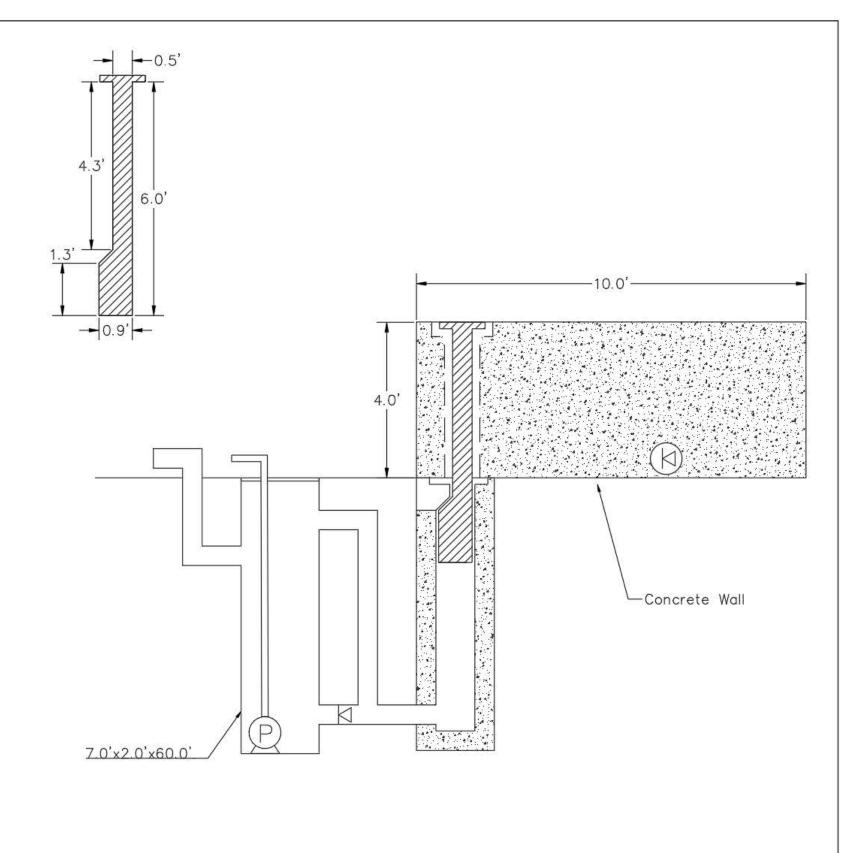
Paradise Creek Flood Mitigation	Sheet: 2	Date: 4/18/20
Index to Plans	Scale: N/A	Prepared by: EB



## NOTES:

- Ground is at 4' elevation.
- Flood barrier is 100 ft across and made of polyurethane (PUR) foam core with a 0.125" thick C-Flex fiberglass outer layer.
- Flood barrier can contain 4' of water before it begins acting as a weir with water spilling over.
- Tank and pipes are made of high-density polyethylene (PE-HD). Pipes have a 6" inside diameter with 0.566" wall thickness..
- Tank starts filling when water reaches 4.5' elevation.
- Pump discharge pipe has 2" diameter. Sensors on the pump and the discharge pipe will control pump activation and deactivation based on water level above ground and in the tank. Pump discharges water at 4.5' elevation.
- Concrete wall on either side of the gate stabilizes the gate as it raises and helps to contain water in the wetland. The concrete wall has a flap valve, which allows runoff water to pass through the flood barrier into the wetland.





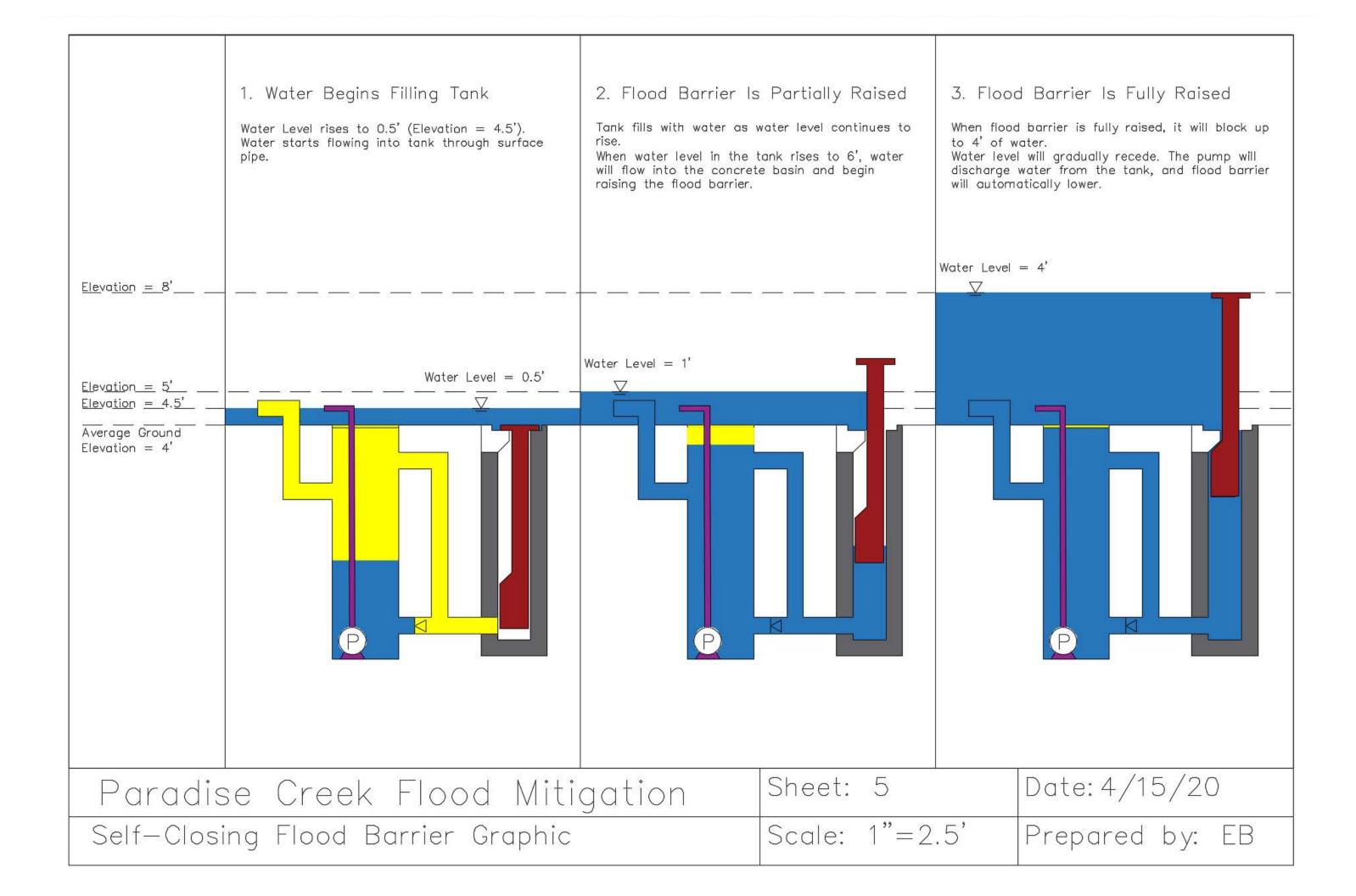
Paradise	Creel	k Floc	od Mit	igation
Self-Closing	Flood	Barrier	Typical	Section

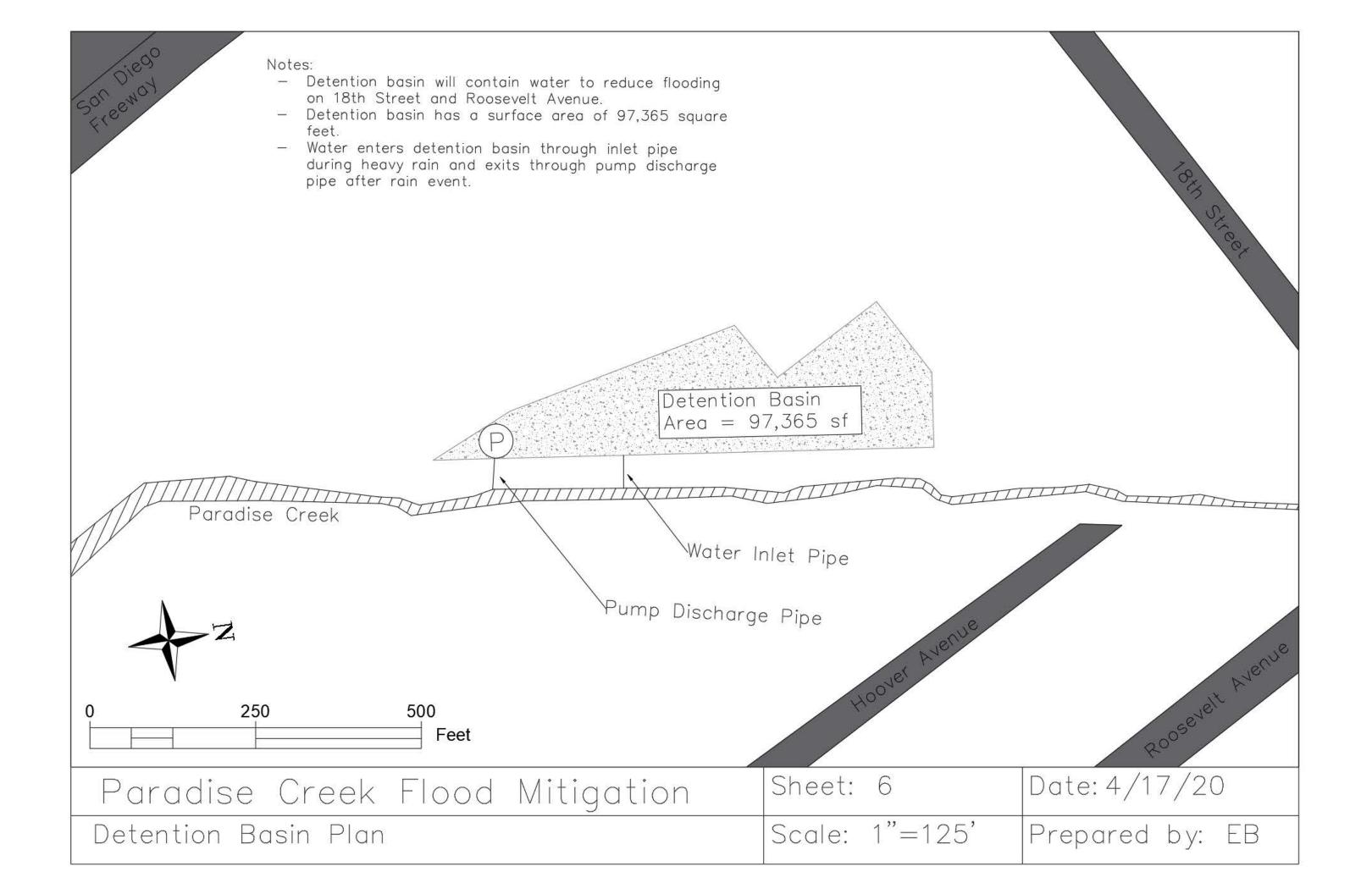
Sheet: 4

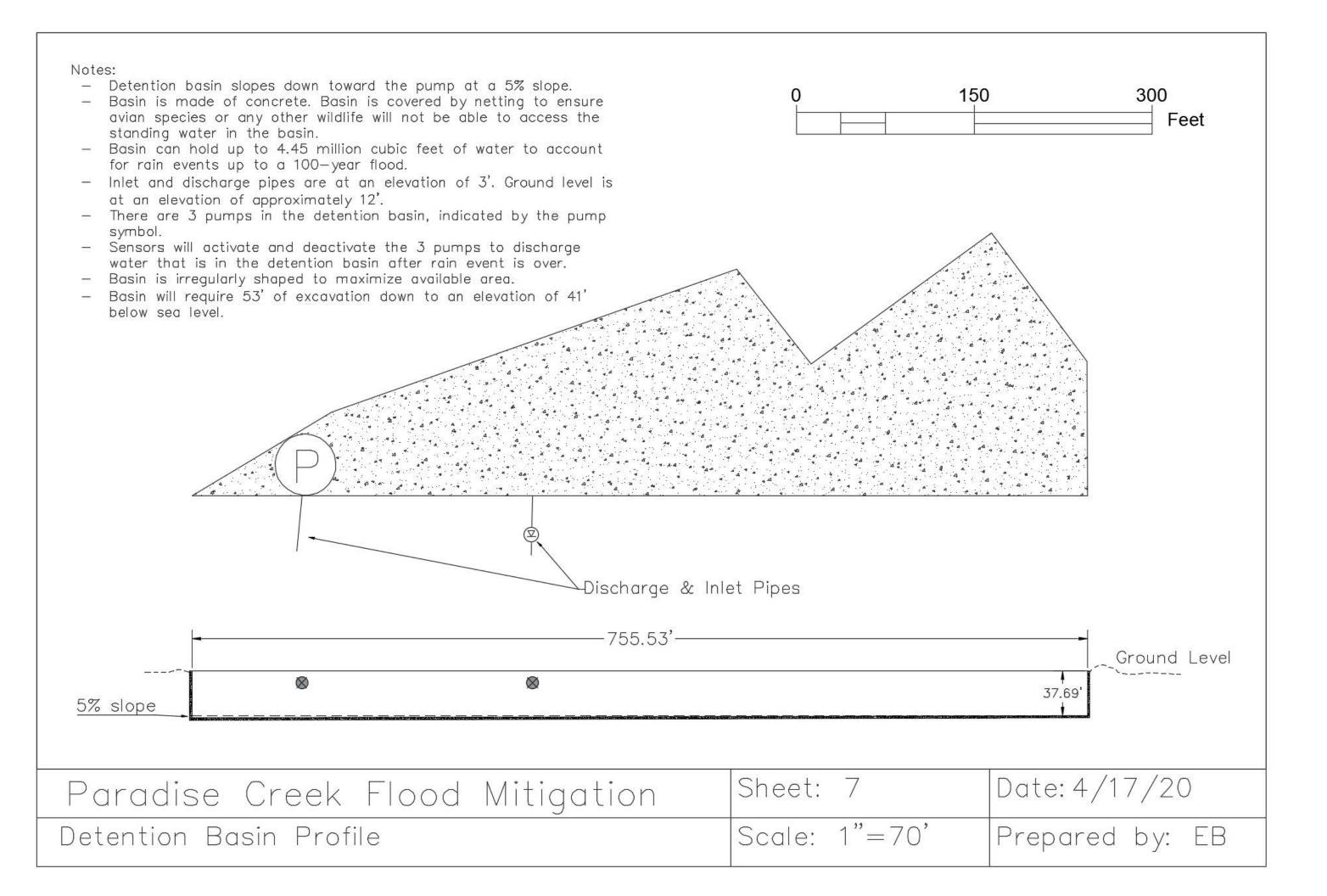
Date: 4/15/20

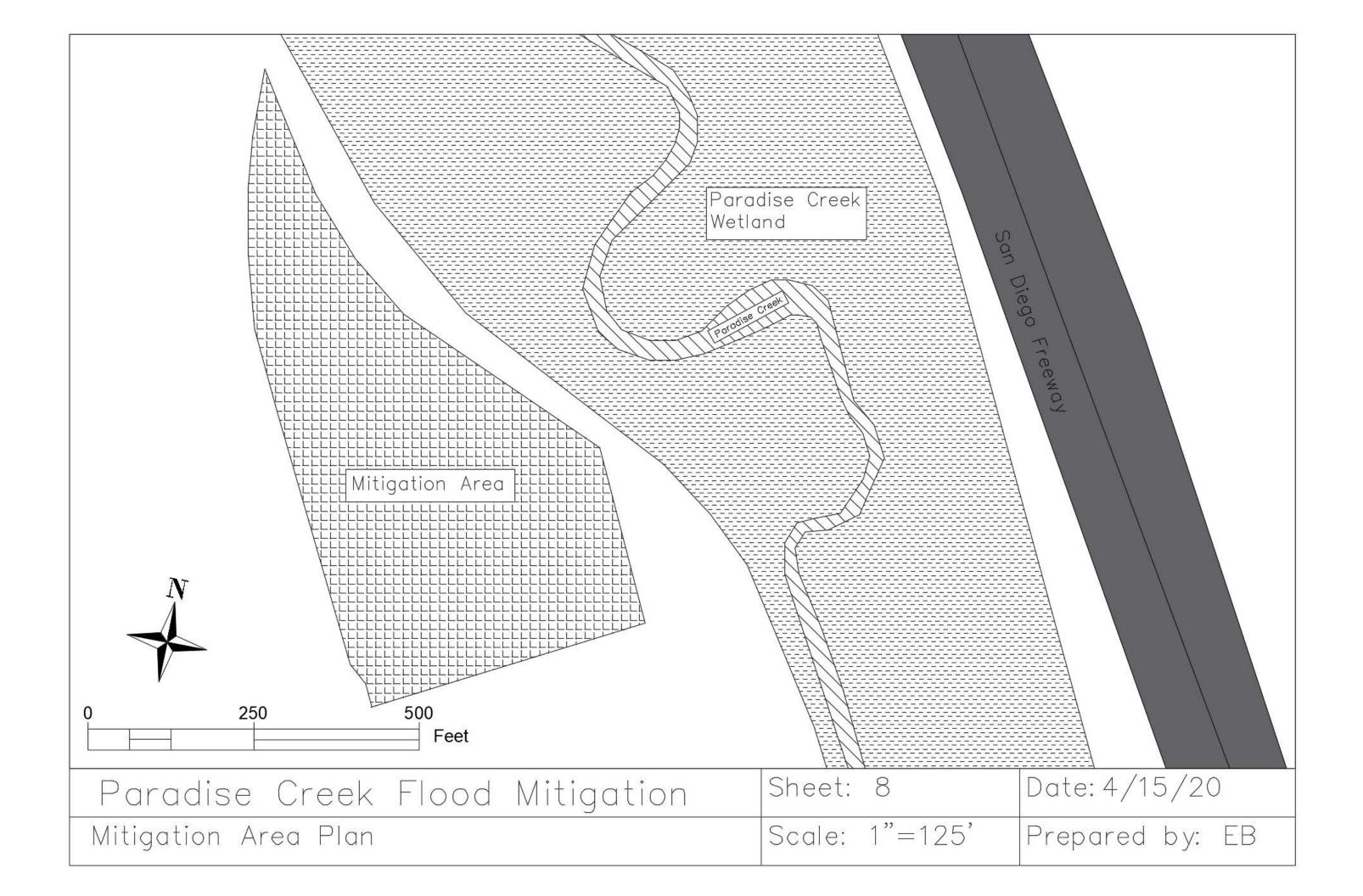
Scale: 1"=2.5'

Prepared by: EB









Sheet 9. Self-Closing Flood Barrier Proposed Site



Sheet 10. Self-Closing Flood Barrier Aerial View



Sheet 11. Detention Basin Proposed Site



Sheet 12. Detention Basin Aerial View

