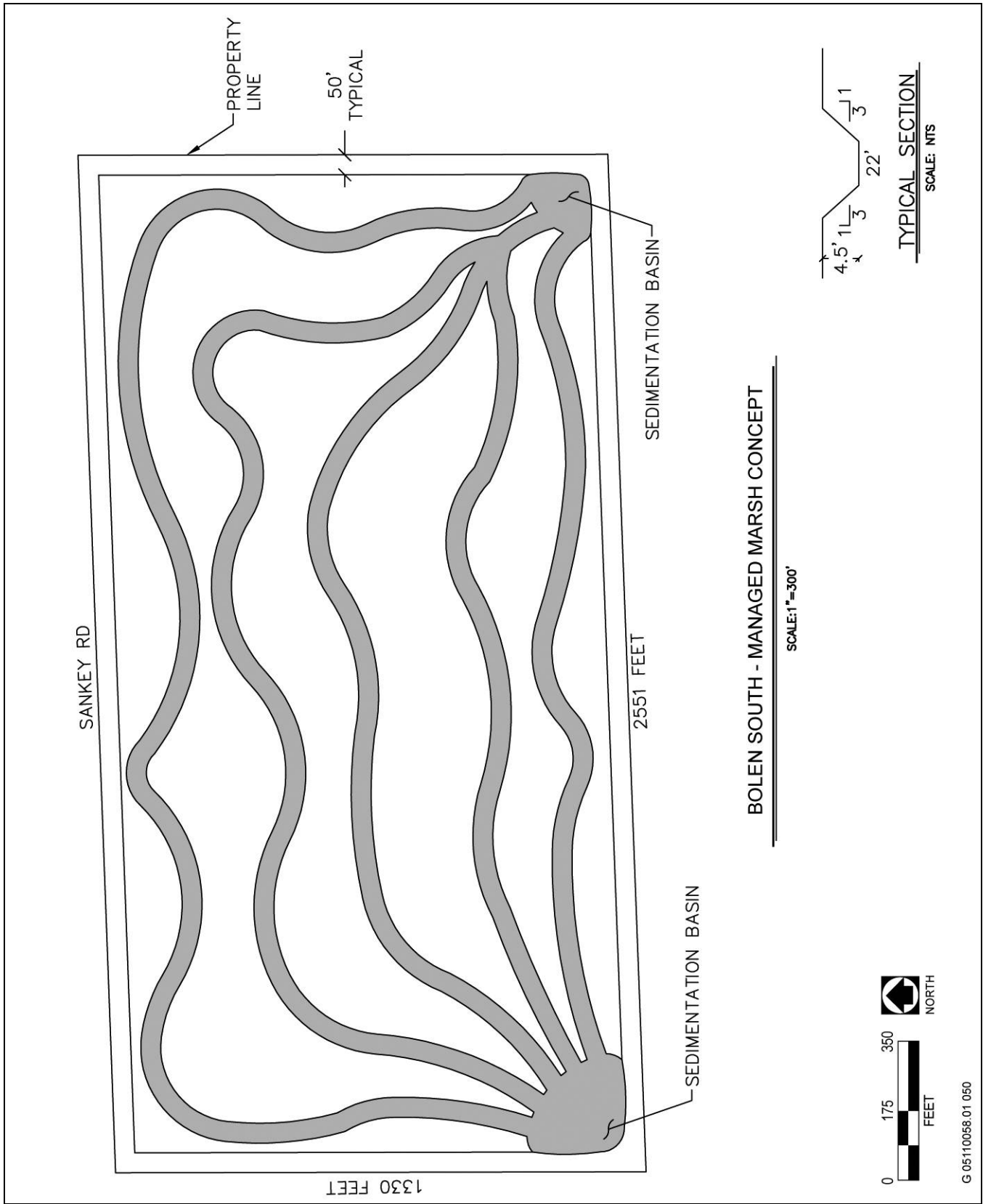


Source: Prepared by Mead & Hunt in 2007

Managed Marsh Concept

Exhibit 2-34a


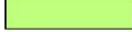
















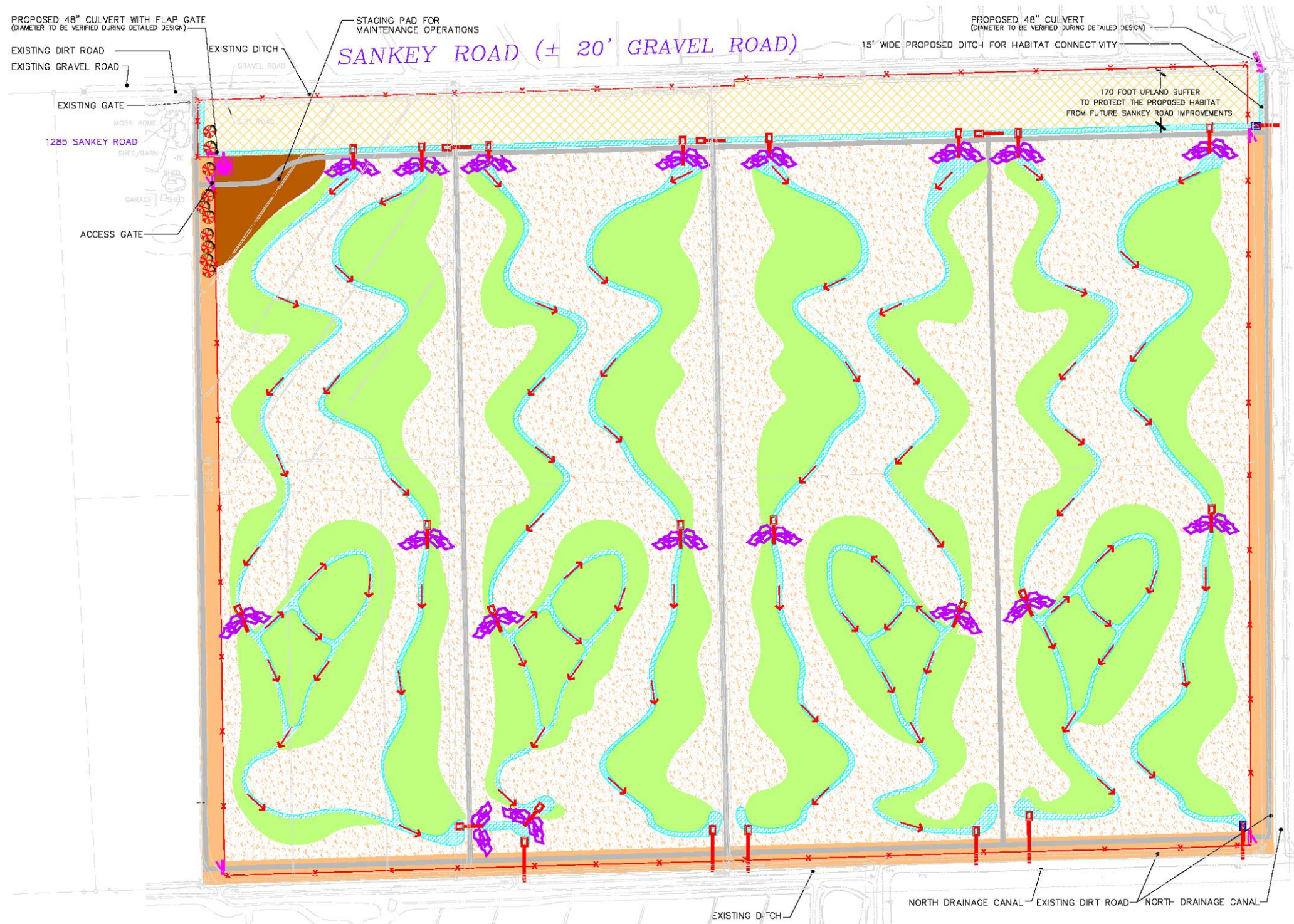
Source: Prepared by Mead & Hunt in 2007

Managed Marsh Concept

Exhibit 2-34b

Legend:

-  Open Water Channel - greater than 4-feet deep.
-  Tule Bench - periodically inundated, Wetland graded 24 - to 36 - inches below water line, wetland area to be densely planted with tules to reduce open water effect
-  Upland - grassland/shrub plantings above wetland inundation areas (24 - to 36 - inches above top of water elevation)
-  75 - Foot Upland Buffer - above wetland inundation areas
-  170 - Foot Upland Buffer - above wetland inundation areas
-  All Weather Access Road - aggregate base road, accessible year-round, 15 - feet wide - enhance existing road wherever possible
-  Access Control Gate for animals and vehicles - connected to barbed wire fence
-  Water Supply Well - well will be enclosed with chain-link fence and sists. Well pad to be extended at least 5-feet around well equipment, and 2-feet above adjacent water level.
-  Culvert - 48 inch diameter, corrugated plastic set below grade, with angular rock basking areas at each end (provides snakes a corridor that will be day-lighted and only 1/2 filled with water at any given time). The purpose of the culverts is to allow for water flow through the habitat system, allow for maintenance access, and to facilitate monitoring study. Culvert diameter to be confirmed during detailed design.
-  Replace Existing Riser with Double Board Riser
-  Double Board Riser Field Drain
-  Direction of Water Flow
-  Valley Oak Tree (*Quercus lobata*) Planting - 15 gallon container
-  60" Post, 10-strand barbed wire fence, provide 3-foot setback from road edges (see Section, this sheet)
-  Basking Area Rocks - greater than 12" Diameter size and set above water line
-  Expanded Staging Area - for maintenance operations



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Source: EDAW 2006

Typical Design for Natomas Basin Marsh Habitat (Preliminary Preserve Design)

Exhibit 2-35