

**Appendix F - Cost Estimate and Schematics for Vista
Grande Wetland Alternative B**

Vista Grande Wetland

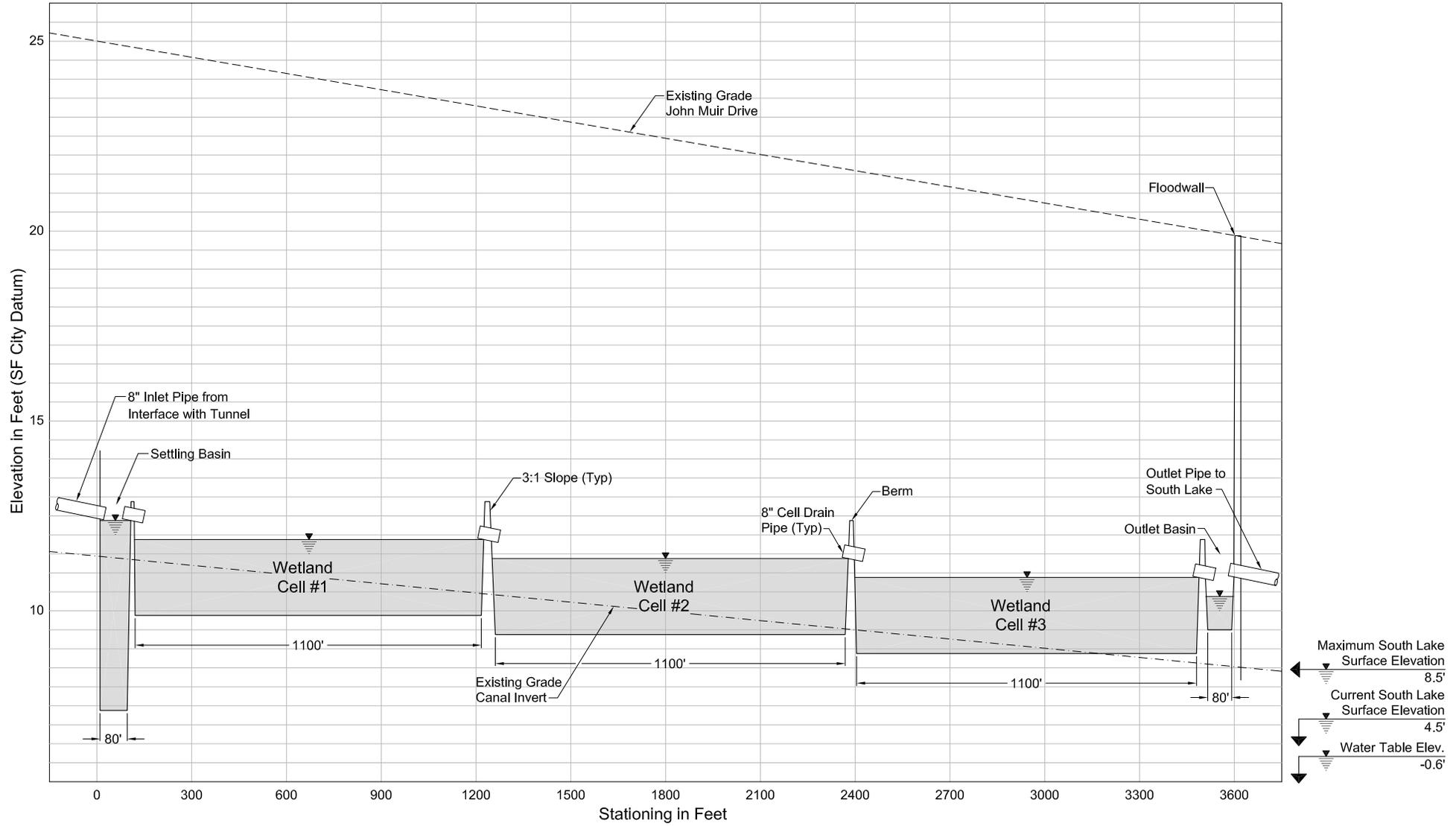
Supporting Technical Information

This appendix contains technical information developed for Alternative B, an alternate layout for the Vista Grande Wetland. The following information is included in this appendix:

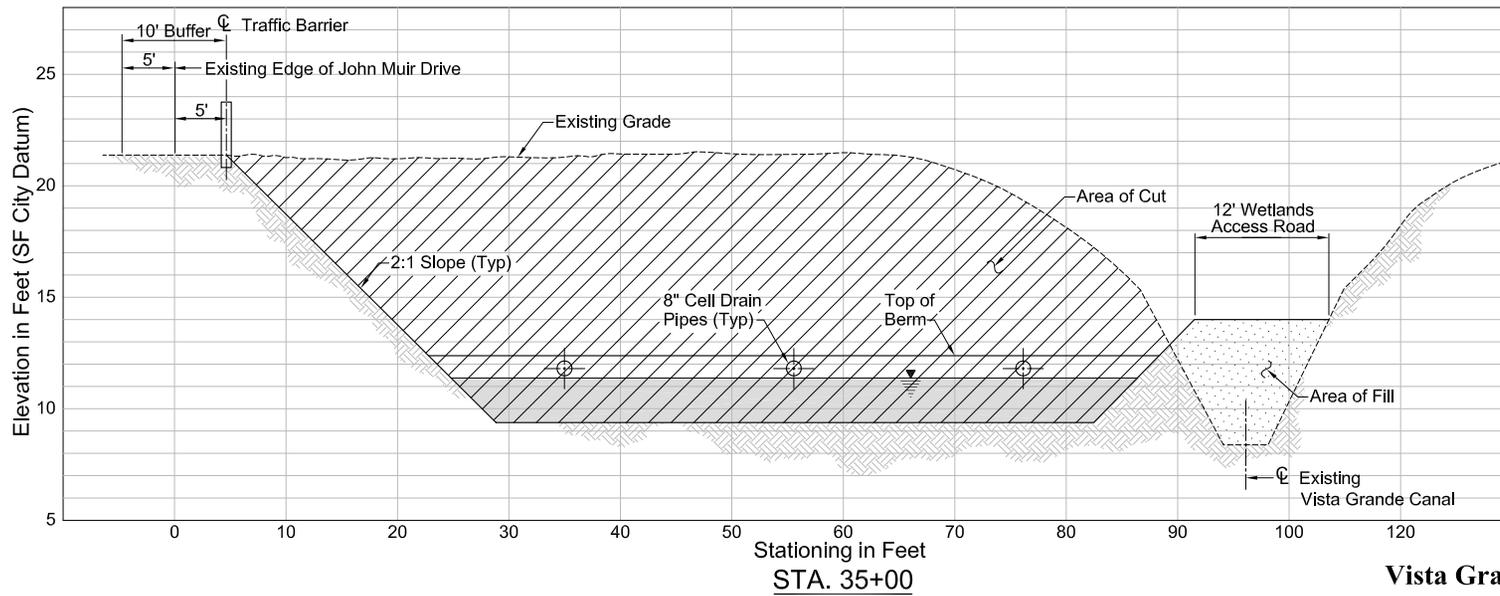
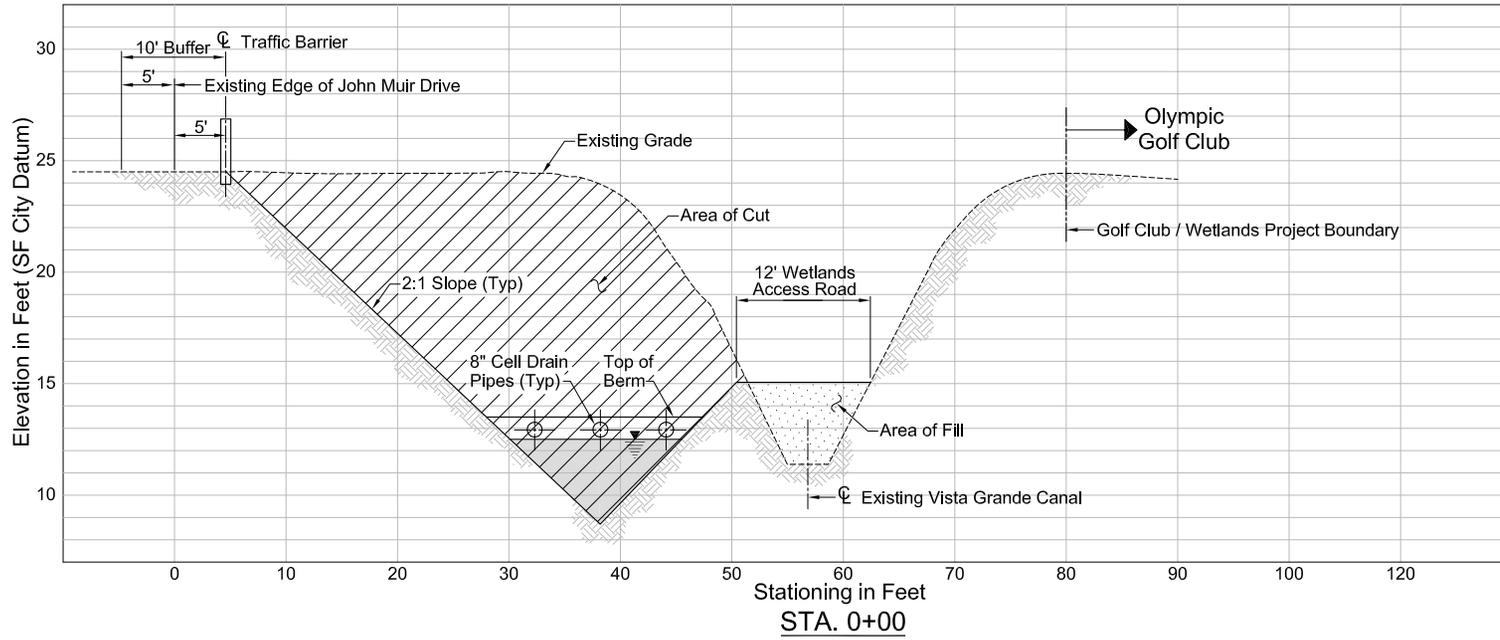
1. The preliminary capital cost estimate for Alternative B.
2. Profile view of Alternative B, which shows the depth, invert elevation and water levels for this alternative.
3. Cross-sections of Alternative B at station 0+00 and 35+00

Preliminary Cost Estimate for Vista Grande Wetland Alternative B

Description	Units	Unit Cost	Quantity	Total Cost
SITE PREPARATION / MOBILIZATION				
Clear and grub brush including stumps	acre	\$10,000	6.5	\$65,000
Removal of heritage oaks	-	-	-	\$50,000
Relocate Olympic GC Sewer Pipeline	lf	\$96	3600	\$346,000
Relocate 30" Sewer Pipeline	lf	\$360	3600	\$1,296,000
Demolition 18" Sewer Pipeline	lf	\$20	3600	\$72,000
Relocate Above-ground Structures	Allowance	\$500,000	-	\$500,000
Mobilization/Demobilization	each	10%	-	\$757,000
CONSTRUCTION				
Mass excavation and hauling	cy	\$38	\$110,000	\$4,180,000
Grading, compacting, and transporting fill	day	\$10,000	10	\$100,000
Traffic Barrier	lf	\$50.50	3,600	\$182,000
Embankment Construction	cy	\$32	1,300	\$42,000
Roadways / trains (maintenance access)	sf	\$5	48,000	\$240,000
Inlet structure	Allowance	-	1	\$50,000
Flow Control Facilities	Allowance	-	1	\$50,000
Outlet Basin	Allowance	-	1	\$50,000
Floodwall at Outlet Basin	sq. ft	\$90	975	\$88,000
Standard Piping	lf	\$40	850	\$34,000
Wetlands planting - propagation / harvesting / installation	acre	\$30,000	2.3	\$68,000
Replanting during wetland establishment	acre	\$30,000	2.3	\$68,000
Landscaping	acre	\$30,000	3.0	\$90,000
Subtotal:				\$8,326,000
Contingency (30%):				\$2,498,000
Construction Cost Estimate:				\$10,823,000
Implementation (30% Allowance):				\$3,247,000
Environmental Compliance:				\$500,000
Total Capital Cost Estimate				\$14,570,000



Vista Grande Wetlands Profile
Alternative 'B'



**Vista Grande Wetlands Sections
Alternative 'B'**