CALIFORNIA COASTAL COMMISSION

455 MARKET STREET, SUITE 228 SAN FRANCISCO, CA 94105-2219 FAX (415) 904-5400 Voice (415) 904-5200

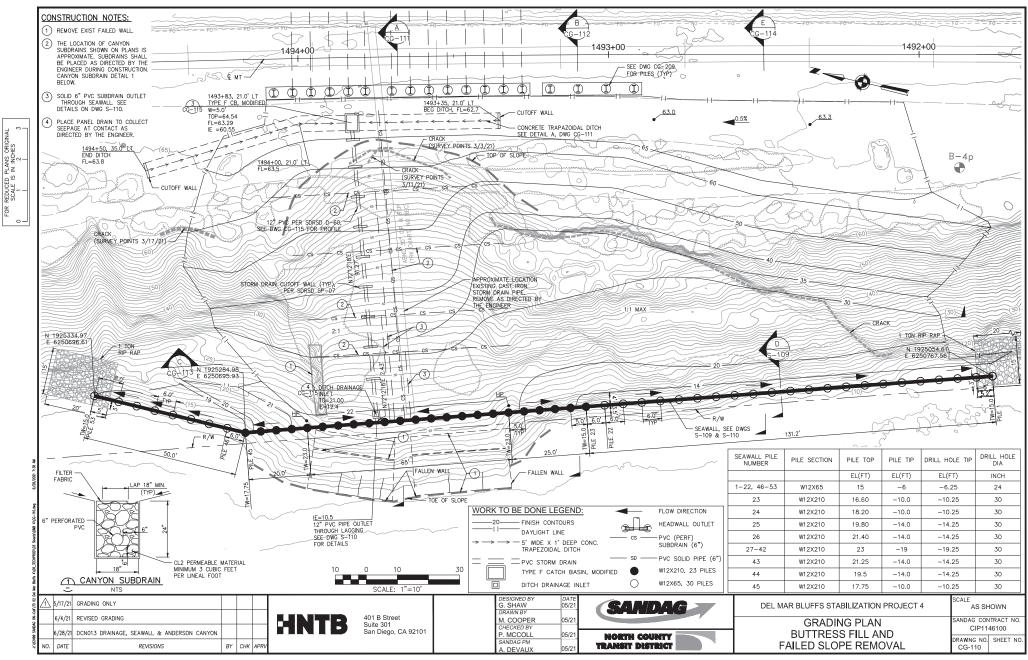


W7b

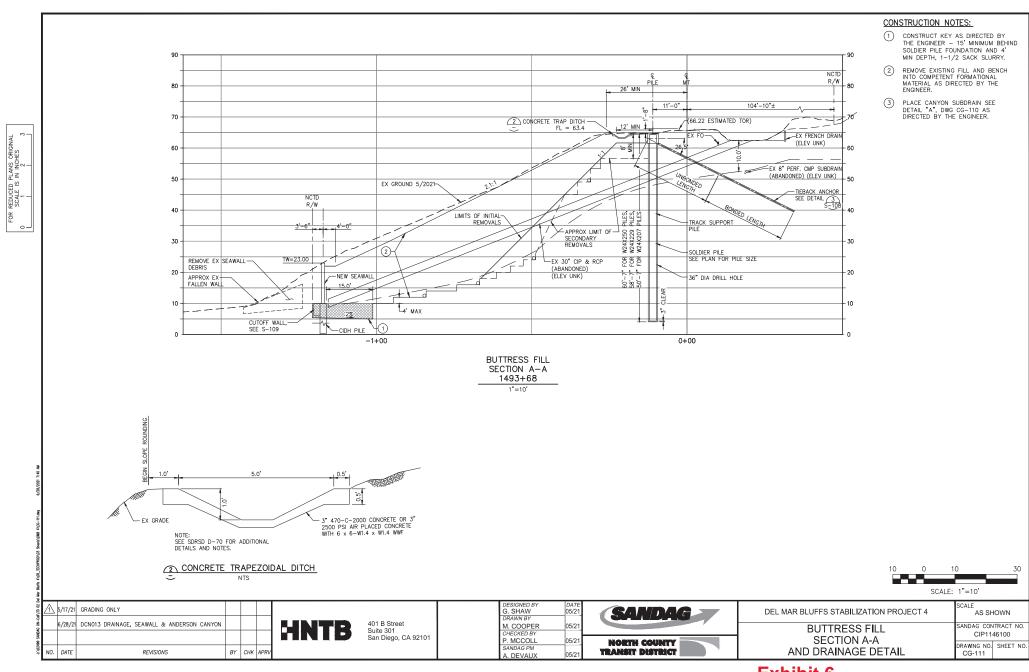
CC-0005-21 (SANDAG) June 8, 2022

EXHIBITS-2

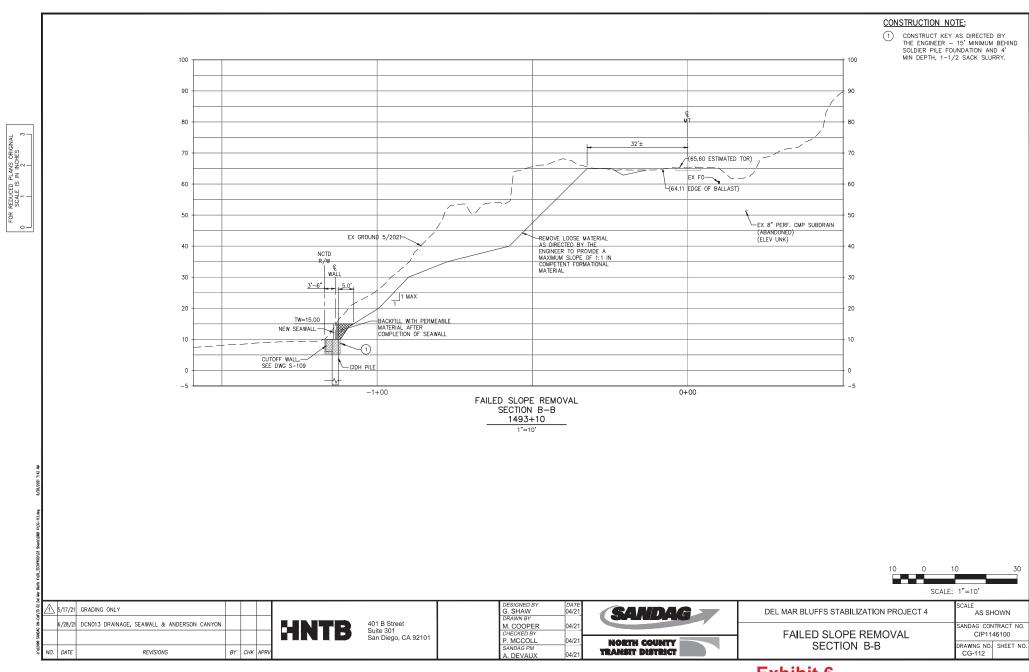
EXHIBIT 6 (EMERGENCY REPAIR PROJECT PLANS)	2
EXHIBIT 7 (DRAINAGE IMPROVEMENTS)	10
EXHIBIT 8 (LIST OF PROJECTS SINCE 1996)	18
EXHIBIT 9 (POTENTIAL HABITAT TO SUPPORT GNATCATCHER)	19
EXHIBIT 10 (DRAFT CIP SHEET)	21



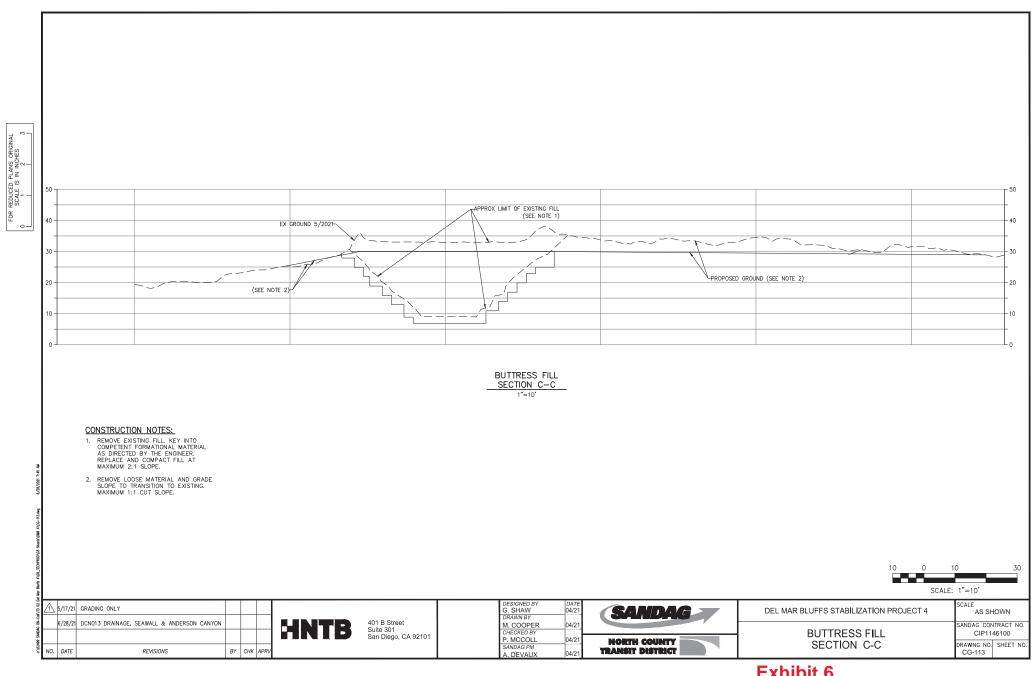
CC Application No. CC-0005-21 Page 1 of 8



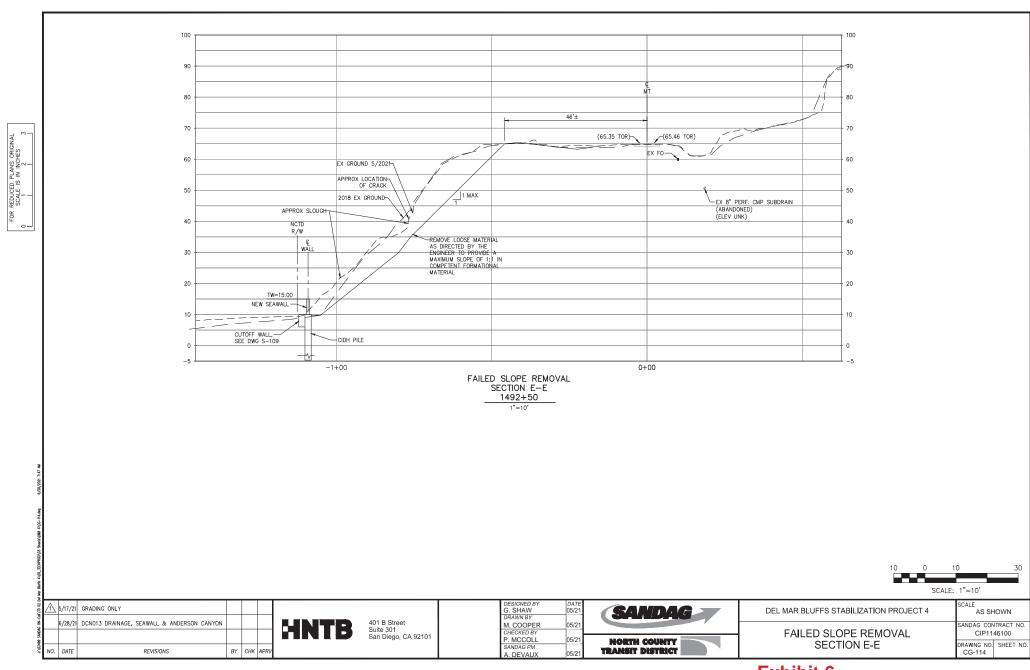
CC Application No. CC-0005-21 Page 2 of 8



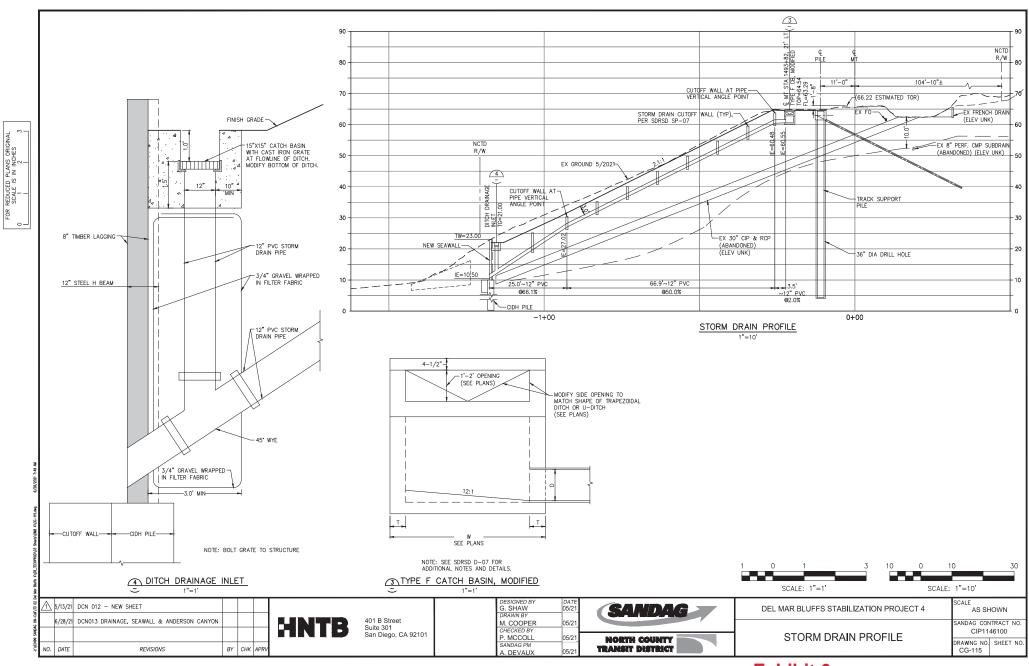
CC Application No. CC-0005-21 Page 3 of 8



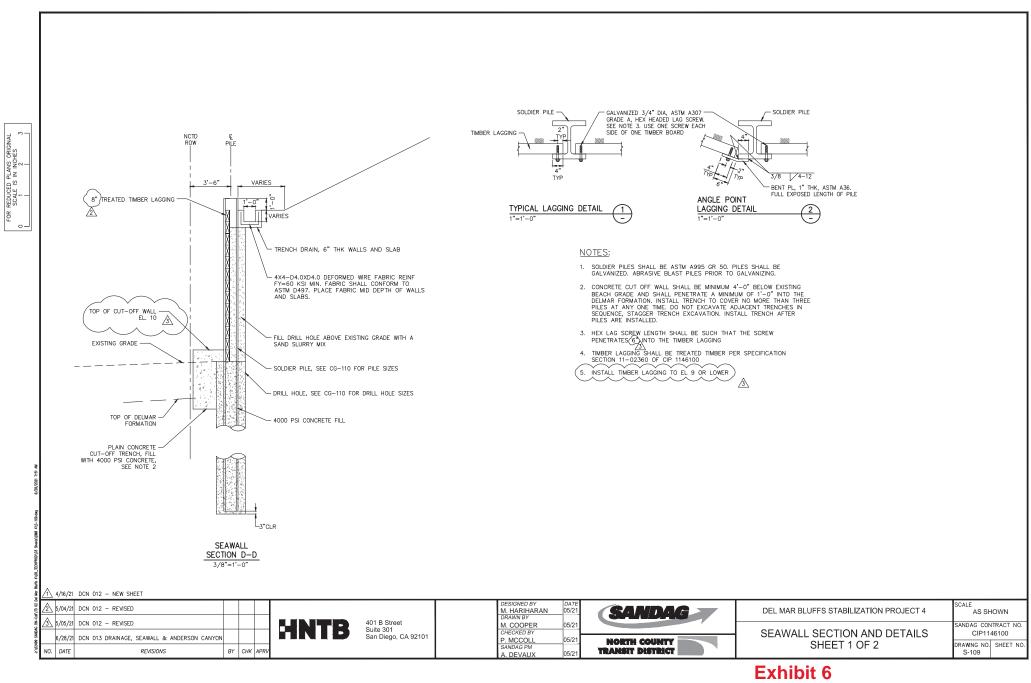
CC Application No. CC-0005-21 Page 4 of 8



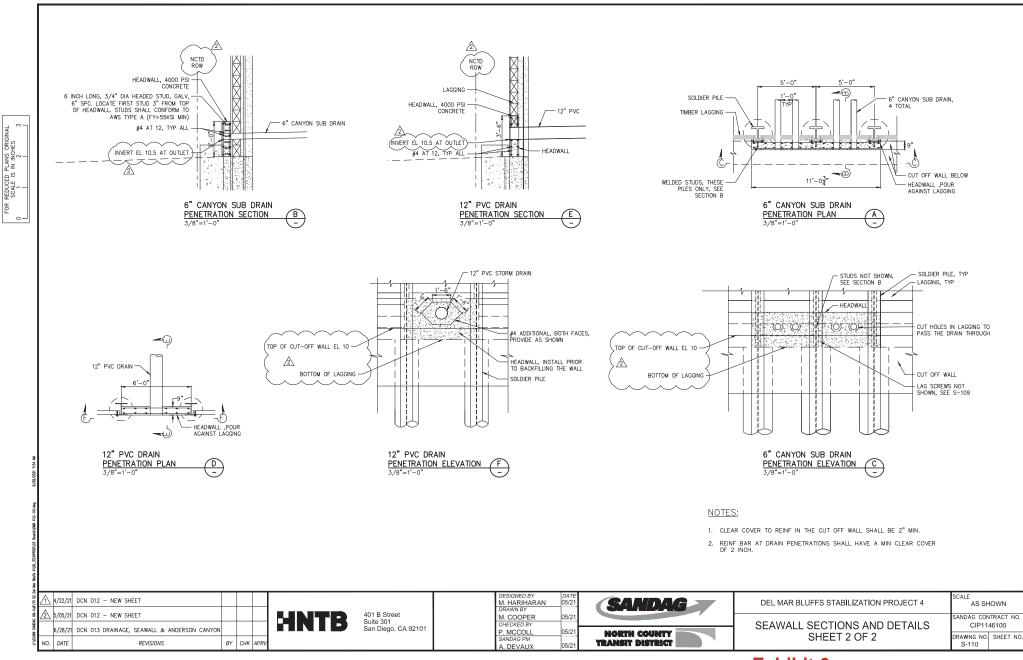
CC Application No. CC-0005-21 Page 5 of 8



CC Application No. CC-0005-21 Page 6 of 8



CC Application No. CC-0005-21 Page 7 of 8



CC Application No. CC-0005-21 Page 8 of 8

Drainage Area 1 Improvements



Drainage Area 2 Improvements



Exhibit 7

Drainage Area 3 Improvements



Drainage Area 4 Improvements



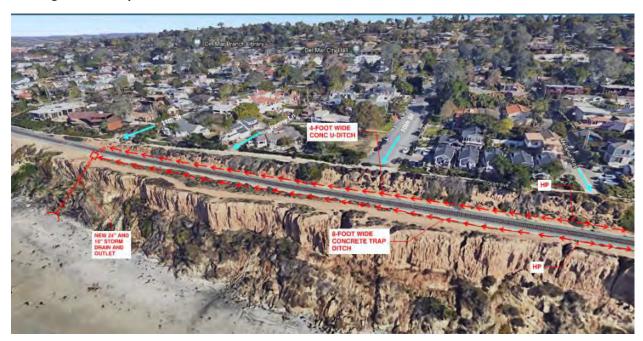
Exhibit 7

CC Application No. CC-0005-21 Page 2 of 8

Drainage Area 5 Improvements



Drainage Area 6 Improvements



Drainage Area 7 Improvements



Drainage Area 8 Improvements



Exhibit 7

CC Application No. CC-0005-21 Page 4 of 8

Drainage Area 9 Improvements



Drainage Area 10 Improvements



Drainage Area 11 Improvements

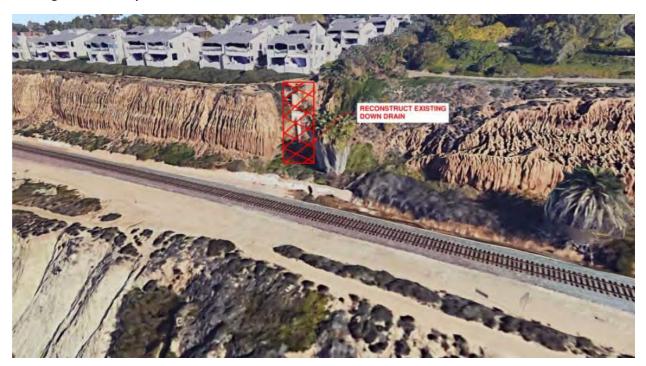


Drainage Area 12 Improvements



Exhibit 7 CC Application No. CC-0005-21 Page 6 of 8

Drainage Area 13 Improvements



Drainage Area 14 Improvements



CC Application No. CC-0005-21 Page 7 of 8

Drainage Area 15 Improvements



- In CDP No. 6-96-156, the Commission authorized the installation of 24 soldier piles at 13th Street, including visual treatment for the top of the exposed piles so that the project would blend in with the surrounding terrain.
- In 1998, approximately \$1.8 million in drainage improvements were constructed within the project limits.
- In CDP No. 6-01-081, the Commission authorized the installation of 12 soldier piles between 7th and 8th Streets, including conditions requiring erosion controls, best management practices, annual reporting, and Executive Director review of staging and construction plans, monitoring and maintenance plans, and the use of materials and colors.
- In 2003, additional surface and subsurface drainage improvements were made within the project limits and a landslide warning system was installed within designated "high priority" areas. These drainage improvements were part of the first Del Mar Bluffs Stabilization Project.
- The Commission concurred with Consistency Certification No. CC-048-04 for SANDAG's Del Mar Bluffs Stabilization Project 2, including the installation of 1,326-linear-feet of soldier pile walls on the upper bluffs.
- The Commission concurred with Consistency Certification No. CC-020-10 for SANDAG's Del Mar Bluffs Stabilization Project 3 for the installation of 1,060linear-feet of soldier pile walls at seven additional priority areas along the upper bluffs.
- The Commission concurred with Consistency Certification No. CC-0004-18 for SANDAG's Del Mar Bluffs Stabilization Project 4 to repair existing retaining walls, storm drains, flow channels, slope failures, eroded areas, and access pathways. After the Commission concurred with CC-0004-18 SANDAG requested modifications to the project, including: installation of four additional soldier piles on the upper bluff near 12th Street, increasing by three feet the height of the retaining wall at the toe of the bluff below 12th Street, and repairing two additional eroded areas at the top of the bluff near 7th Street. The Commission later concurred with these requested modifications to CC-0004-18.
- The Commission concurred with Consistency Certification No. CC-0001-20 for after-the-fact emergency bluff stabilization measures constructed between November 30, 2019 and December 15, 2019, at milepost (MP) 244.30 and 244.25 (near 13th Street and 15th Street). This work was pursued following a large storm event that caused significant bluff erosion in two locations west of the trackbed. The work at MP 244.30 consisted of removal of loose material from the failed slope area and excavation to a depth where hard material was encountered. Two steel plates were installed behind existing steel H-piles and the eroded area was backfilled with concrete slurry. The repair work at MP 244.25 consisted of excavation down to the stable Del Mar Formation, approximately eight feet below the top of the existing soldier piles. Steel dowels were drilled into the eight soldier piles, steel reinforcement was installed between the piles, and shotcrete was installed to create a lagging wall between the exposed piles. The shotcrete was colored Mesa Bluff and was sculpted by hand to blend in with the surrounding bluff.

CC Application No. CC-0005-21 Vegetation/Impacts HELIX Page 1 of 2

HELIX

CC Application No. CC-0005-21 ____Page 2 of 2

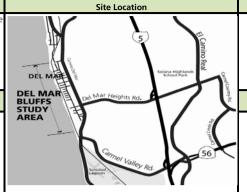
Project Number: TBD Corridor Director: TBD
RTIP Number: TBD Project Manager: TBD
Project Name: Del Mar Bluffs Access Improvements PM Phone Number: TBD

Project Scope

Pedestrian access improvements, which are anticipated to include a lateral (North-South) trail, a railroad crossing and a vertical accessway (East-West) to the beach.

Project Limits

On LOSSAN Rail Corridor from Mile Post (MP) 244.1 near Coast Boulevard to MP 246.1 near McGonigle Road.



Progress to Date

Coastal Connections conceptual planning study is underway. The project will progress once the Coastal Connections conceptual planning study is complete, and all stakeholders agree on the scope of access improvements to be brought forward through all necessary approvals including environmental clearance and CPUC approval.

Estimated Major Milestones

Estimated Major Milestones	
Draft Environmental Document	Apr-23
Final Environmental Document	Apr-25
Ready to Advertise	Apr-26
Begin Construction	Oct-26
Open to Public	Oct-27
Construction Complete	Apr-28

SANDAG Expenditure Plan (\$000)

Budget Phase	Prior Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	Total
Administration	\$0	\$20	\$80	\$90	\$110	\$110	\$80	\$0	\$0	\$0	\$490
Environmental Document	0	60	240	200	0	0	0	0	0	0	500
Design	0	0	0	150	550	150	0	0	0	0	850
Right-of-Way Support	0	0	0	0	25	25	10	0	0	0	60
Right-of-Way Capital	0	0	0	0	25	25	10	0	0	0	60
Construction Support	0	0	0	0	0	1,250	400	0	0	0	1,650
Construction Capital	0	0	0	0	0	3,500	1,050	0	0	0	4,550
Vehicles	0	0	0	0	0	0	0	0	0	0	0
Legal Services	0	0	0	0	0	0	0	0	0	0	0
Communications	0	5	25	25	25	50	25	0	0	0	155
Project Contingency	0	20	20	50	50	150	85	0	0	0	375
Total SANDAG	\$0	\$105	\$365	\$515	\$785	\$5,260	\$1,660	\$0	\$0	\$0	\$8,690

Outside Agency Expenditure Plan (\$000)

	Prior										
Budget Phase	Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	Total
Environmental Document	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design	0	0	0	0	0	0	0	0	0	0	0
Right-of-Way Support	0	0	0	0	0	0	0	0	0	0	0
Right-of-Way Capital	0	0	0	0	0	0	0	0	0	0	0
Construction Support	0	0	0	0	0	0	0	0	0	0	0
Construction Capital	0	0	0	0	0	0	0	0	0	0	0
Total Outside Agency	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expenditures	\$0	\$105	\$365	\$515	\$785	\$5,260	\$1,660	\$0	\$0	\$0	\$8,690

Funding Plan (\$000)

	Prior										
Funding Source	Years	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	Total
Del Mar Bluffs 5 Mitigation Fund	0	105	365	515	785	5,260	1,660	0	0	0	8,690
Total Funding	\$0	\$105	\$365	\$515	\$785	\$5,260	\$1,660	\$0	\$0	\$0	\$8,690

Exhibit 10

CC Application No. CC-0005-21