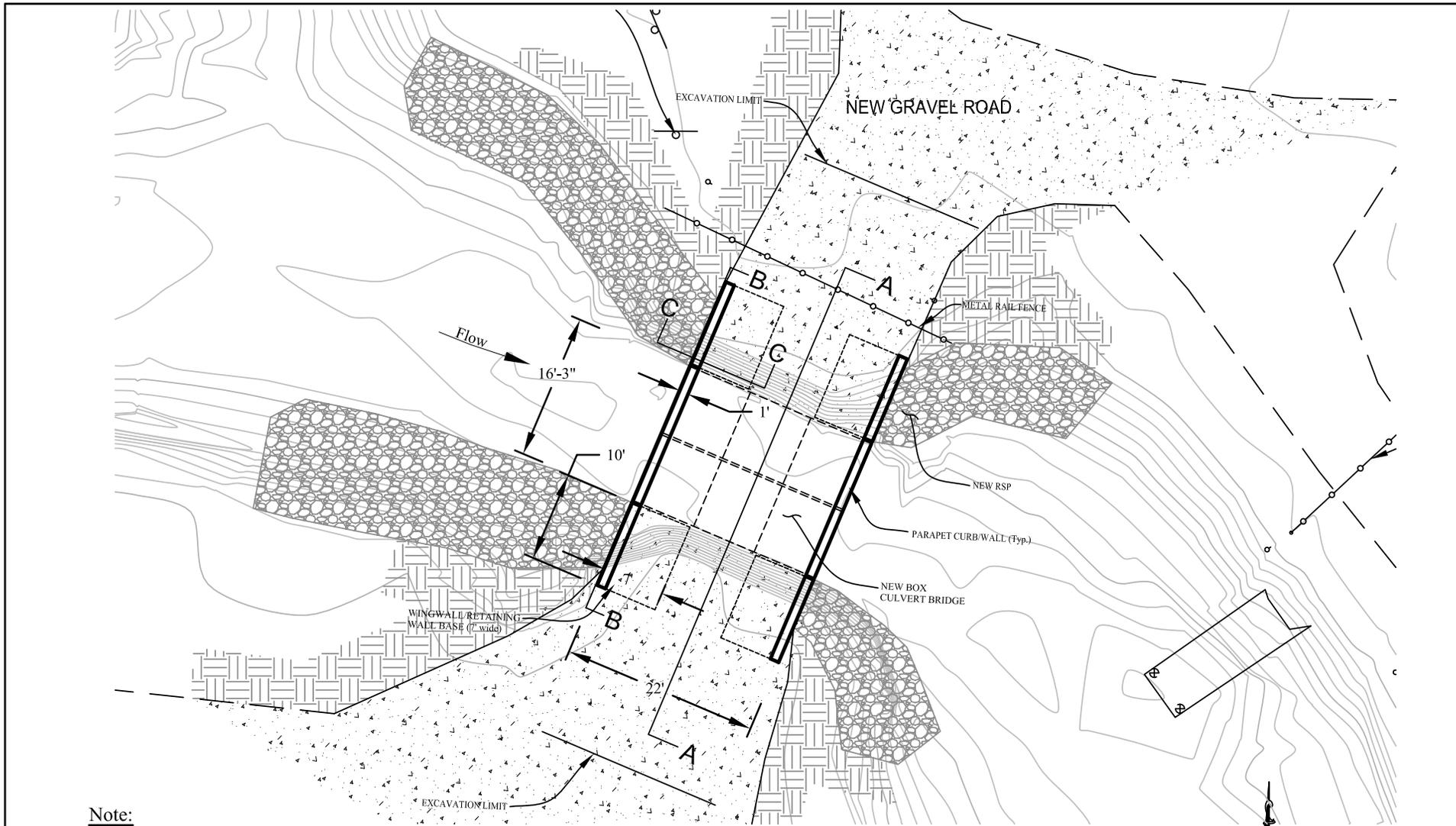


# **APPENDIX B**

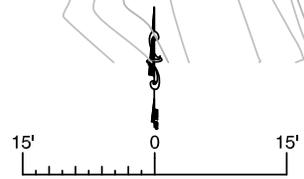
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## Bridge CC-2 Maintenance Activities



**Note:**

1. Foundation pad will be min. 2' thick bedding layer of 6" crushed rock and  $\frac{3}{4}$ " aggregate base including min. 3" sand bedding on top;
2. Crushed rock will be placed at inlets and outlets extending up to 4' from the culvert box.
3. Foundation pad will extend 2' beyond the the culvert structures at each ends.
4. See sheet 2, 3 & 4 for cross-sections detail.



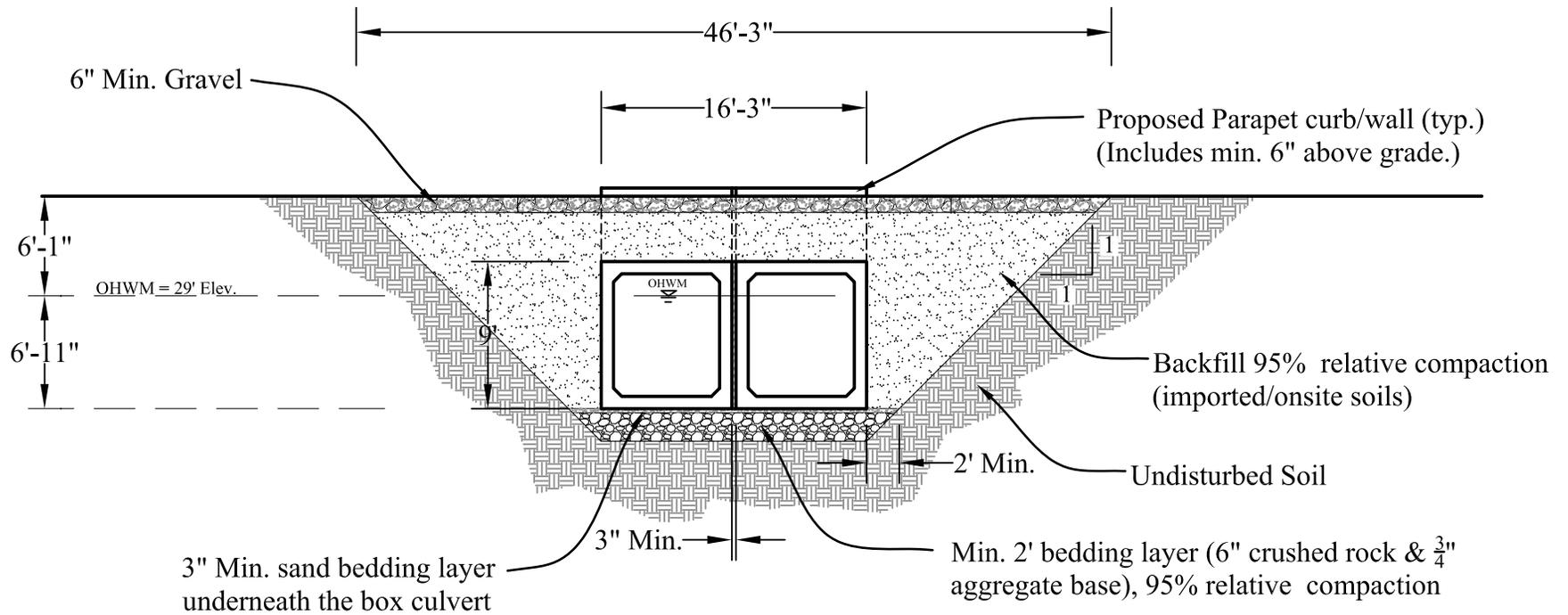
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Flood Maintenance Office



SCALE IN FEET

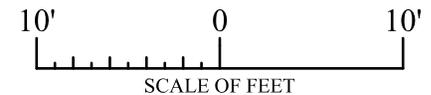
Source: Department of Water Resources, 2016

Figure B-1  
Bridge CC-2 Plan View



**Note:**

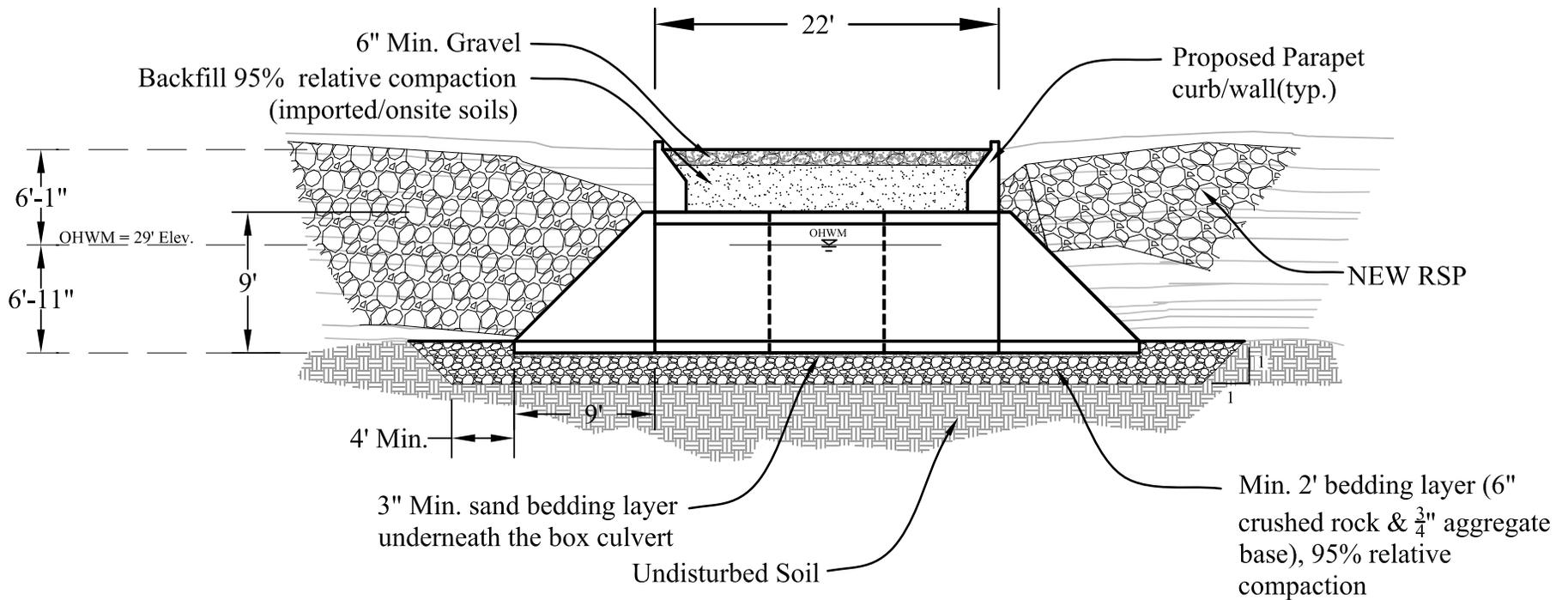
1. Disturbed area due to excavation = 1565 sq. ft. (0.030 acres); excavated dirt = 7800 Cubic ft. (289 CY).
2. Total of 650 SF. (0.015 acres) disturbed above OHWM (Ordinary High Water Mark) on both sides; total of 86 CY revetment fill above OHWM
2. Total of 675 SF. (0.015 acres) disturbed below OHWM on both banks; total of 102 CY revetment fill below OHWM.
3. Precast concrete box Culvert dimensions: 8' span x 9' high, and 7'-4" width, and double-cell monolithic box culverts.
3. Min 3" sand bedding for the box culvert placement, and min 3" slurry cement backfill between the two adjacent precast concrete box culverts.
4. Proposed parapet curb/wall will include a min. 6" curb and gravel road requires 6" minimum 3/4" AB or better with 95% relative compaction, and



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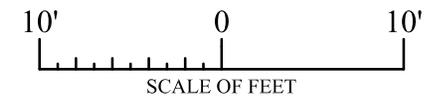
Source: Department of Water Resources, 2016

Figure B-2  
Bridge CC-2 Cross-Section A-A



Note:

1. Precast concrete box Culvert dimensions: 8' span x 9' high and 7'-4" width plus two 45 degree skewed end sections (typ.) at each end.
3. Min 3" sand bedding for the box culvert placement, and min 3" slurry cement backfill between the two adjacent precast concrete box culverts.
4. Proposed precast parapet wall/curb will include a min. 6" curb and gravel road requires 6" minimum  $\frac{3}{4}$ " AB or better with 95% relative compaction, and
5. New Rock Slope Protection (RSP) will be placed at immediate upstream & downstream ends.
6. Precast concrete box culvert units connection will be according to Caltrans Standards.
7. Aggregate material shall be Class 2 AB  $\frac{3}{4}$ " or 1-1/2" per Caltrans Standards (sec.26-1.02B)



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Source: Department of Water Resources, 2016

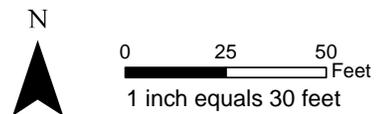
Figure B-3  
Bridge CC-2 Cross-Section B-B



- Ground Disturbance (0.11 acre)
- Earthen Dam (0.03 acre)
- Staging Area (0.43 acre)

**Project Impact Estimates**

**Area of Excavation:** 0.11 acre  
**Bank Impact (Revetment):** 300 linear feet, 0.07 acre (0.03 ac. above OHWM; 0.04 ac. below OHWM)  
**Staging Area:** 0.43 acre  
**Earthen Dams:** 360 CY Total Temporary Fill  
**Bank Revetment:** 220 CY Total 18" minus rock (100 CY above OHWM, 120 CY below OHWM)



Source DWR 2015; NAIP2014  
 Sutter County, California  
 Lat: 38.952232 N Long: 121.634776 W



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The CC-2 bridge is located approximately 1.5 miles west of Highway 99 where Marcuse Road intersects Sawtelle Avenue in Sutter County, approximately 1.35 miles north of Pumping Plant No 1.

Source: ESA, 2016

Figure B-5  
CC-2 Bridge - View Looking West



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The CC-2 bridge is located approximately 1.5 miles west of Highway 99 where Marcuse Road intersects Sawtelle Avenue in Sutter County, approximately 1.35 miles north of Pumping Plant No 1

Source: ESA, 2016

Figure B-6  
Canal Banks near CC-2 –  
View Looking West



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The CC-2 bridge is located approximately 1.5 miles west of Highway 99 where Marcuse Road intersects Sawtelle Avenue in Sutter County, approximately 1.35 miles north of Pumping Plant No 1.

Source: ESA, 2016

Figure B-7  
Bridge CC-2 – View Looking North



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The CC-2 bridge is located approximately 1.5 miles west of Highway 99 where Marcuse Road intersects Sawtelle Avenue in Sutter County, approximately 1.35 miles north of Pumping Plant No 1.

Source: ESA, 2016

Figure B-8  
Staging Area CC-2 – View Looking  
Northwest