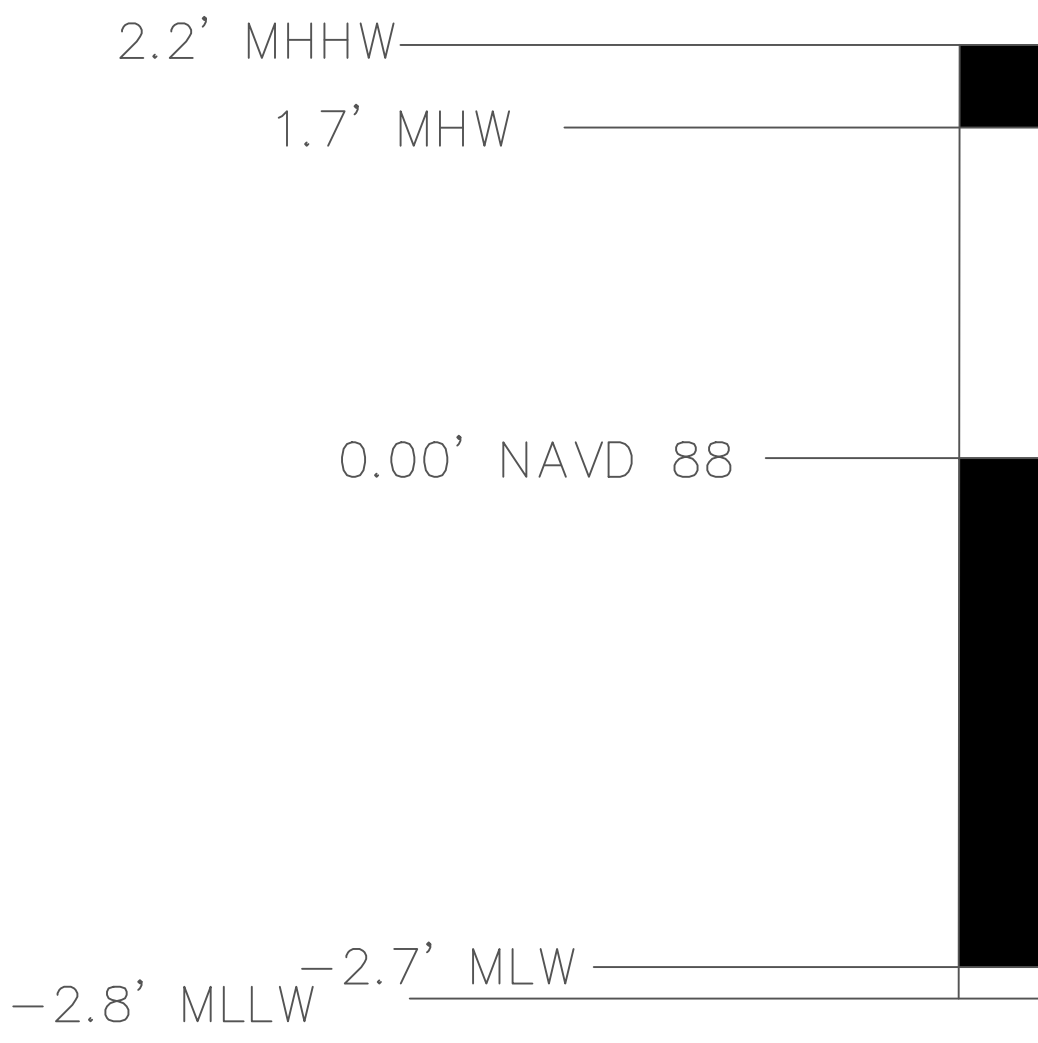
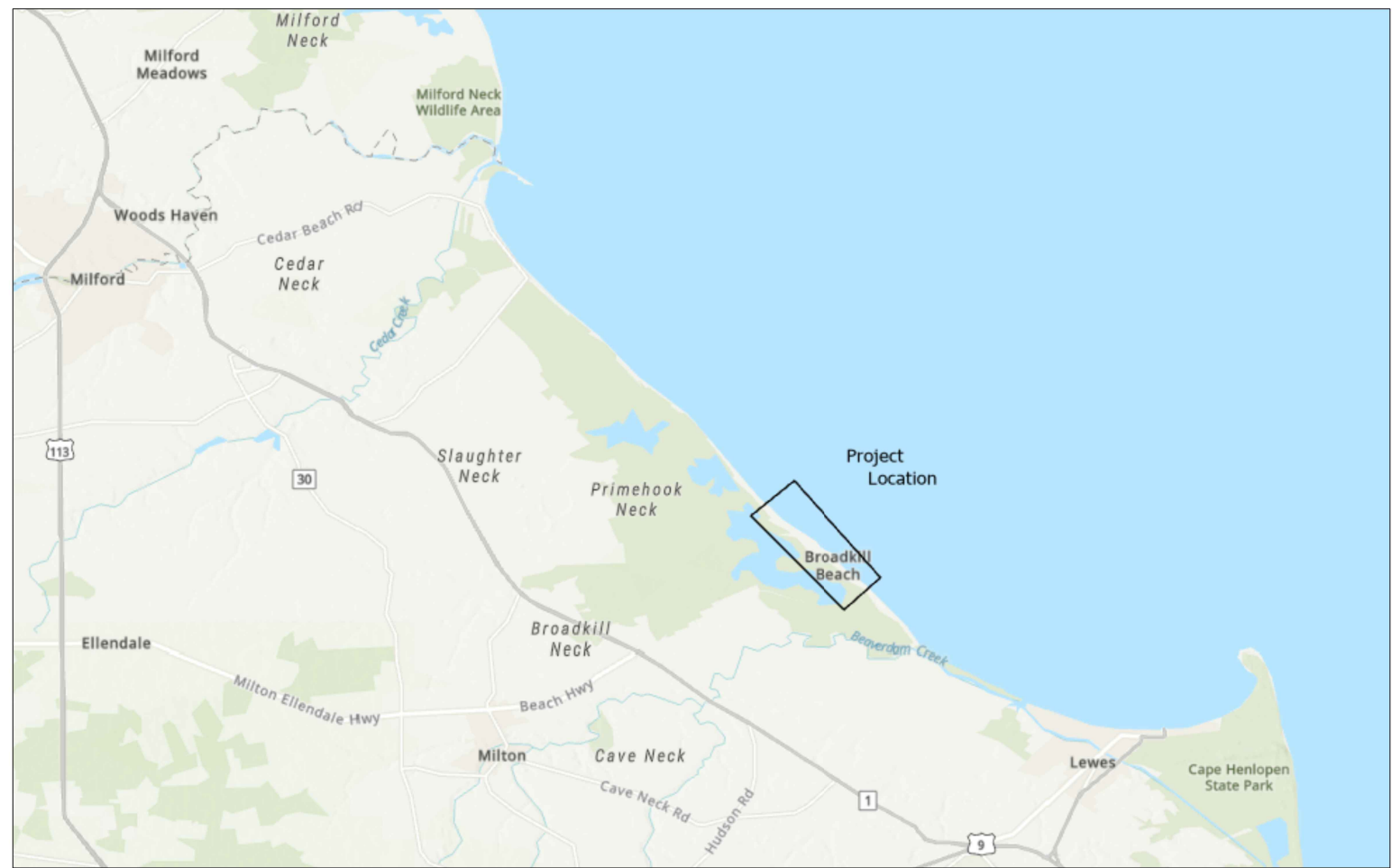


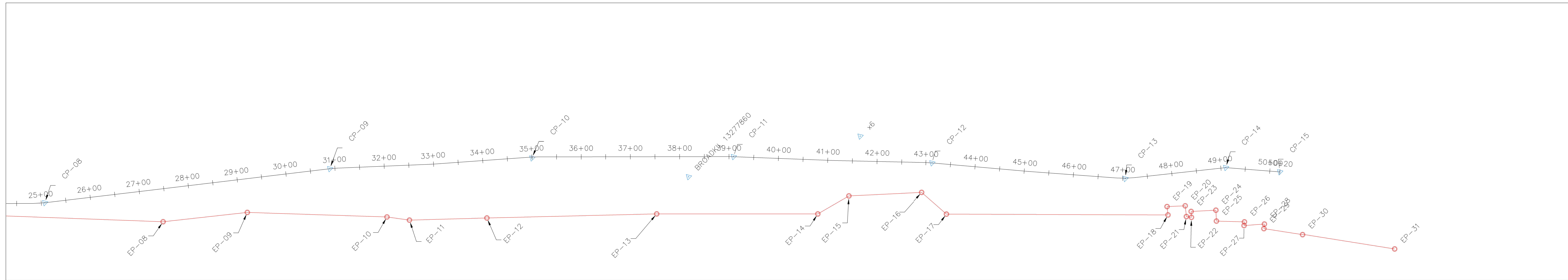
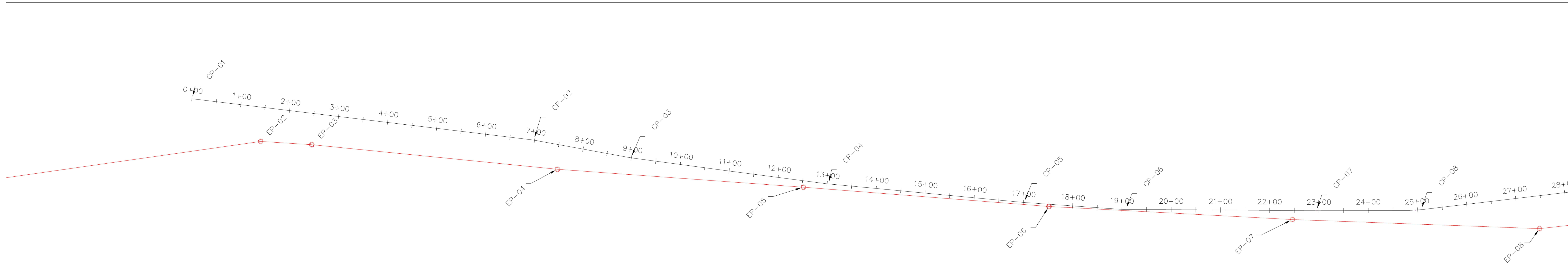
# Delaware Department of Natural Resources and Environmental Control Division of Watershed Stewardship

## BROADKILL BEACH DUNE RE-ALIGNMENT SEPTEMBER 2025



SCALE: 1" = 1'




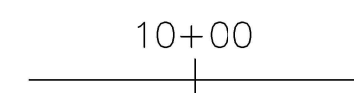

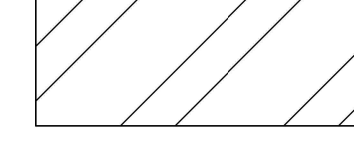




Baseline Control		
Northing	Easting	Description
303604.76	713181.38	CP-01
303048.71	713603.97	CP-02
302881.96	713715.72	CP-03
302557.69	713956.40	CP-04
302246.80	714205.67	CP-05
302089.01	714338.88	CP-06
301809.66	714606.45	CP-07
301658.58	714755.84	CP-08
301291.49	715207.87	CP-09
301012.44	715508.73	CP-10
300720.80	715795.43	CP-11
300422.64	716067.08	CP-12
300119.53	716316.80	CP-13
299988.84	716474.62	CP-14
299903.83	716545.05	CP-15

Easement Control Points		
Northing	Easting	Description
299628.01	716595.23	EP-31
299782.23	716485.99	EP-30
299846.98	716440.13	EP-29
299852.71	716447.49	EP-28
299884.85	716422.46	EP-26
299880.26	716416.56	EP-27
299927.09	716383.72	EP-25
299943.25	716398.80	EP-24
299977.43	716362.03	EP-23
299968.71	716353.90	EP-22
299977.13	716347.94	EP-21
299993.99	716361.86	EP-20
300019.36	716335.12	EP-19
300006.22	716324.28	EP-18
300329.45	716013.05	EP-17
300396.23	716009.61	EP-16
300497.72	715901.17	EP-15
300517.53	715831.12	EP-14
300751.82	715603.98	EP-13
300993.51	715357.97	EP-12

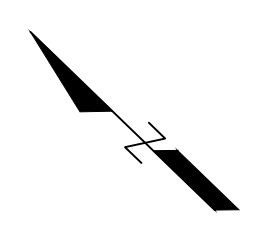
Easement Control Points		
Northing	Easting	Description
301103.13	715245.66	EP-11
301140.32	715218.49	EP-10
301350.37	715027.56	EP-09
301459.78	714895.10	EP-08
301831.97	714559.76	EP-07
302204.82	714235.00	EP-06
302589.86	713916.03	EP-05
302973.14	713594.91	EP-04
303365.02	713284.26	EP-03
303444.20	713216.72	EP-02
304140.07	712318.02	EP-01

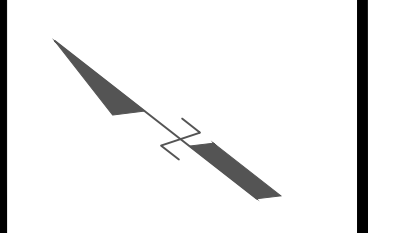
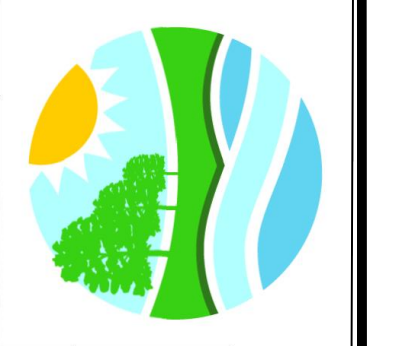
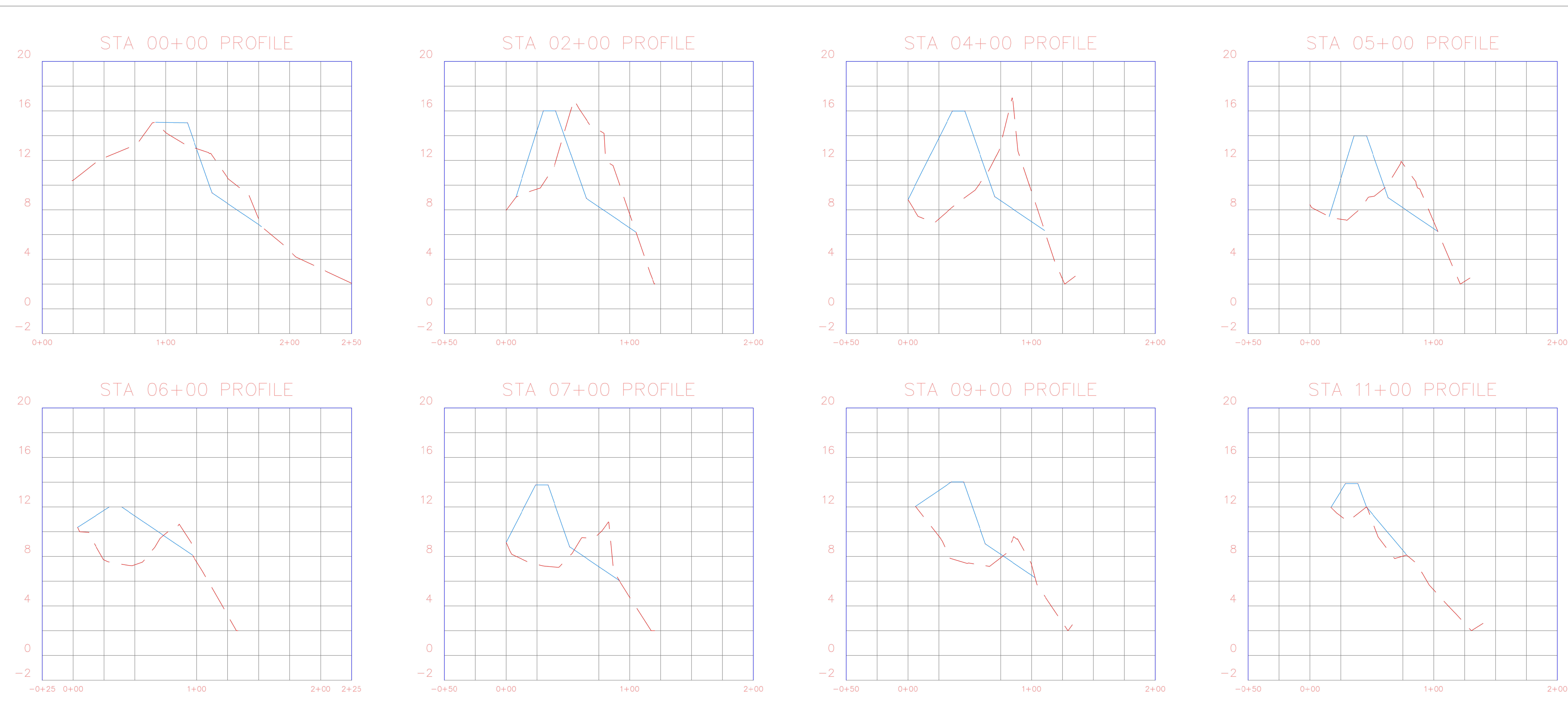
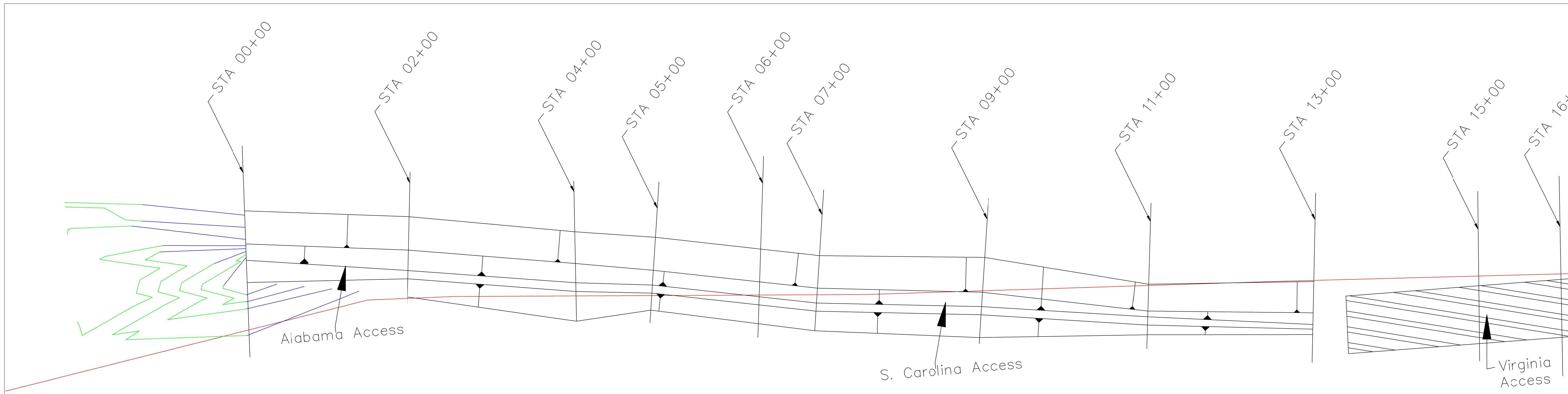
**LEGEND:**

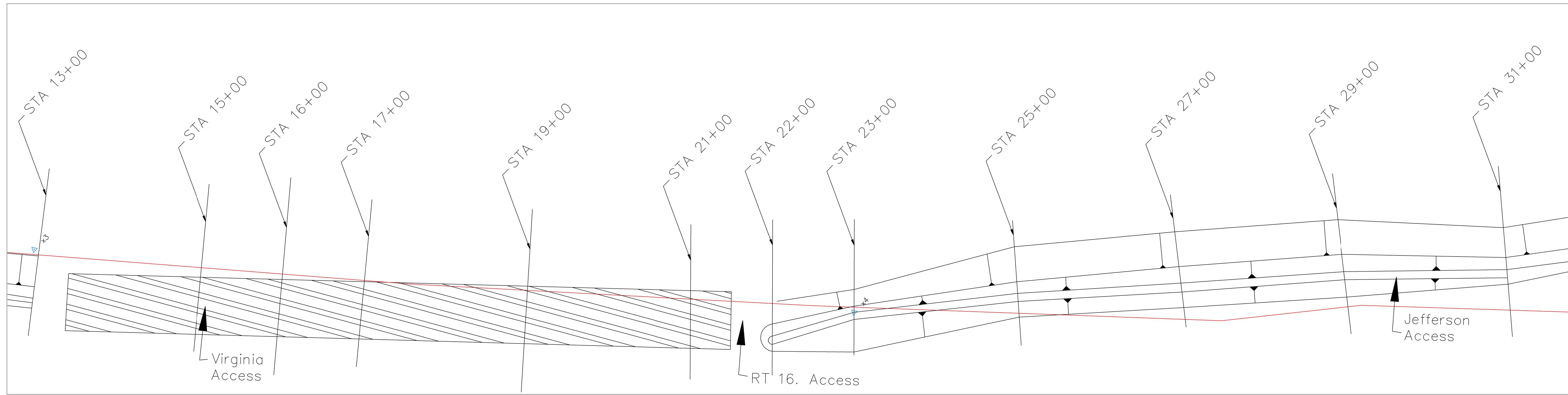
-  Existing Easement Limit
-  Survey Baseline
-  Proposed Dune Alignment Template
-  No Access - Private Property Approximate
-  Tie in Grading Lines
-  Existing 1' Contours

**PROFILE SCALES:**

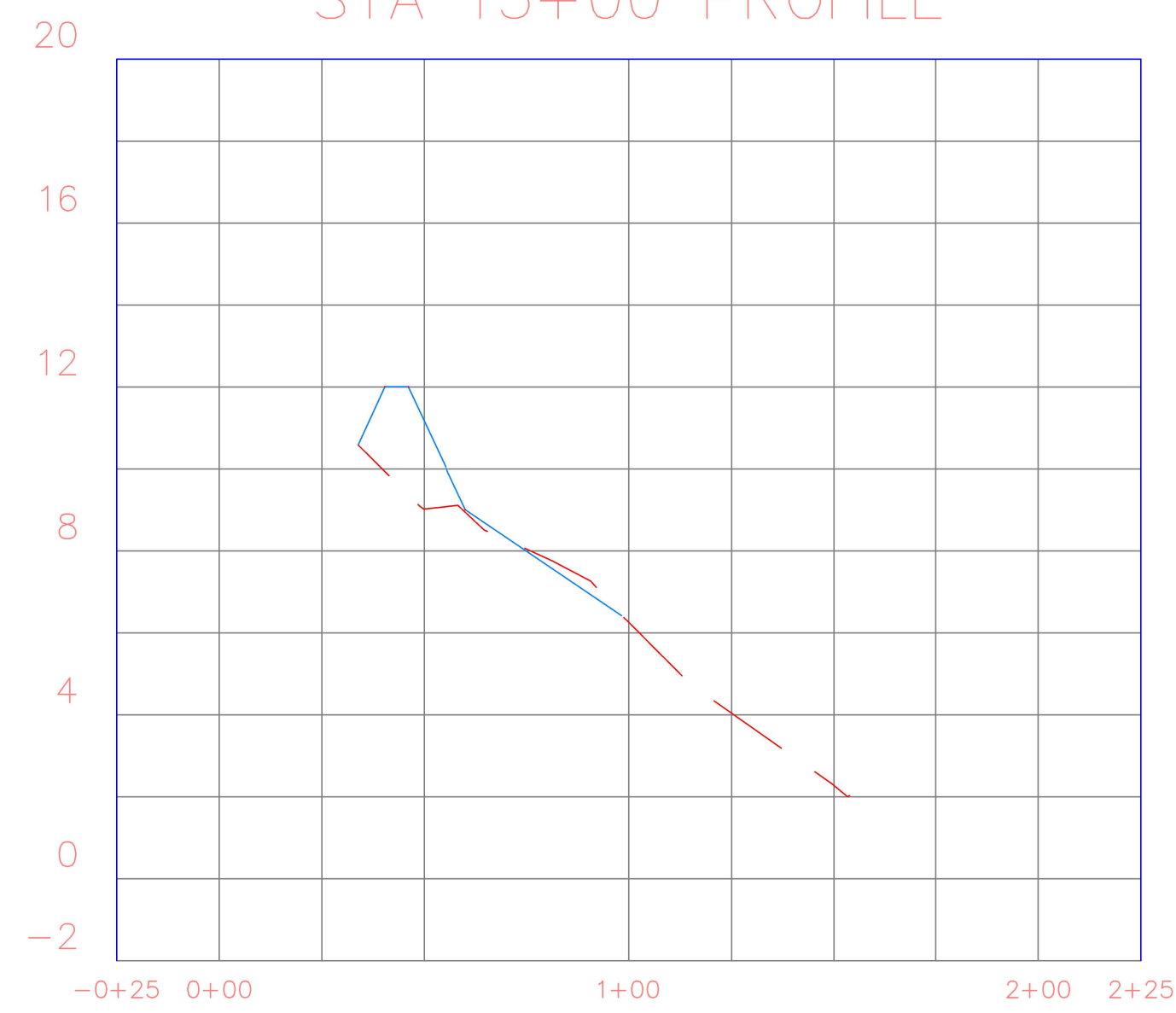
H: 1" = 40'  
V: 1" = 04'



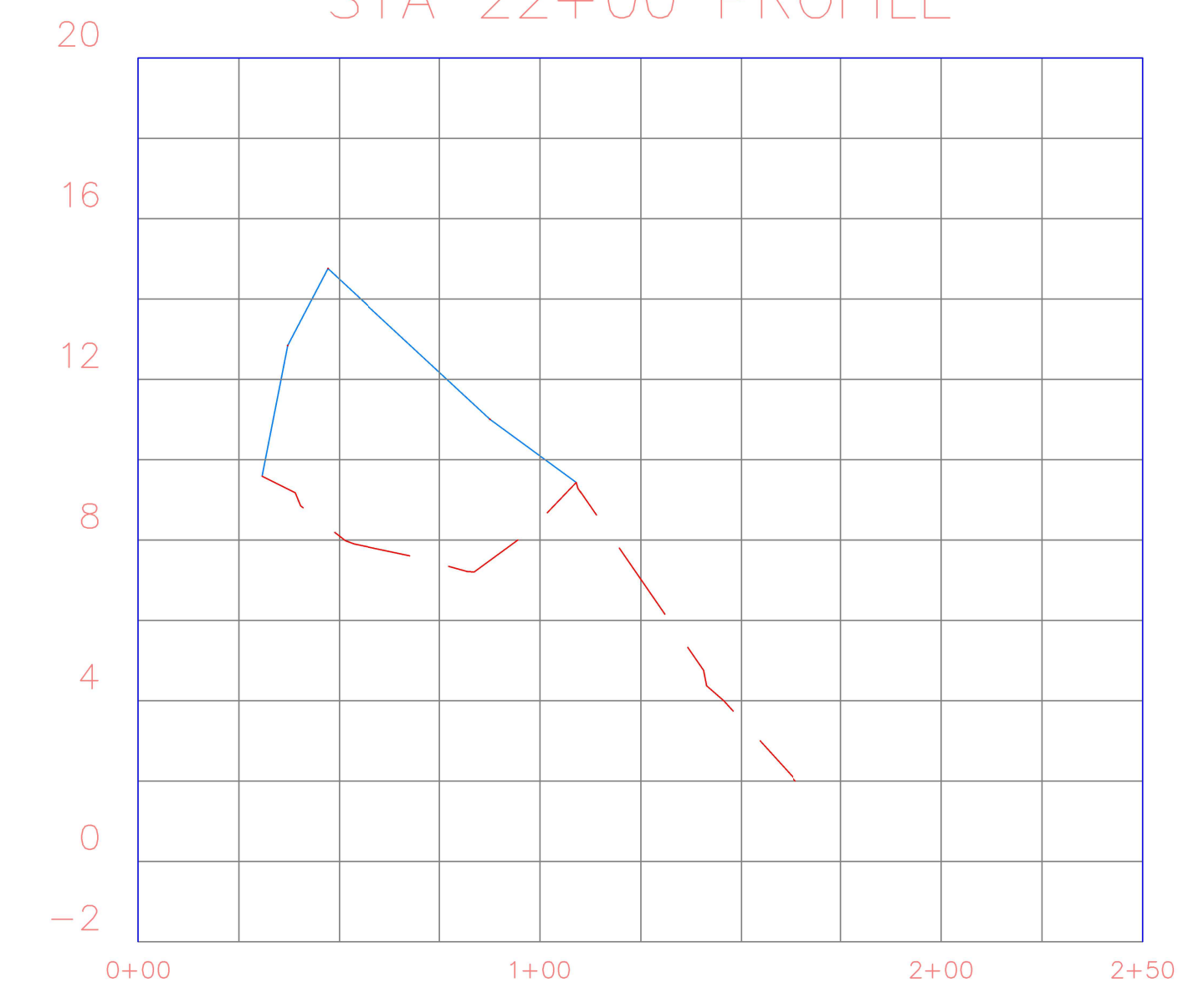




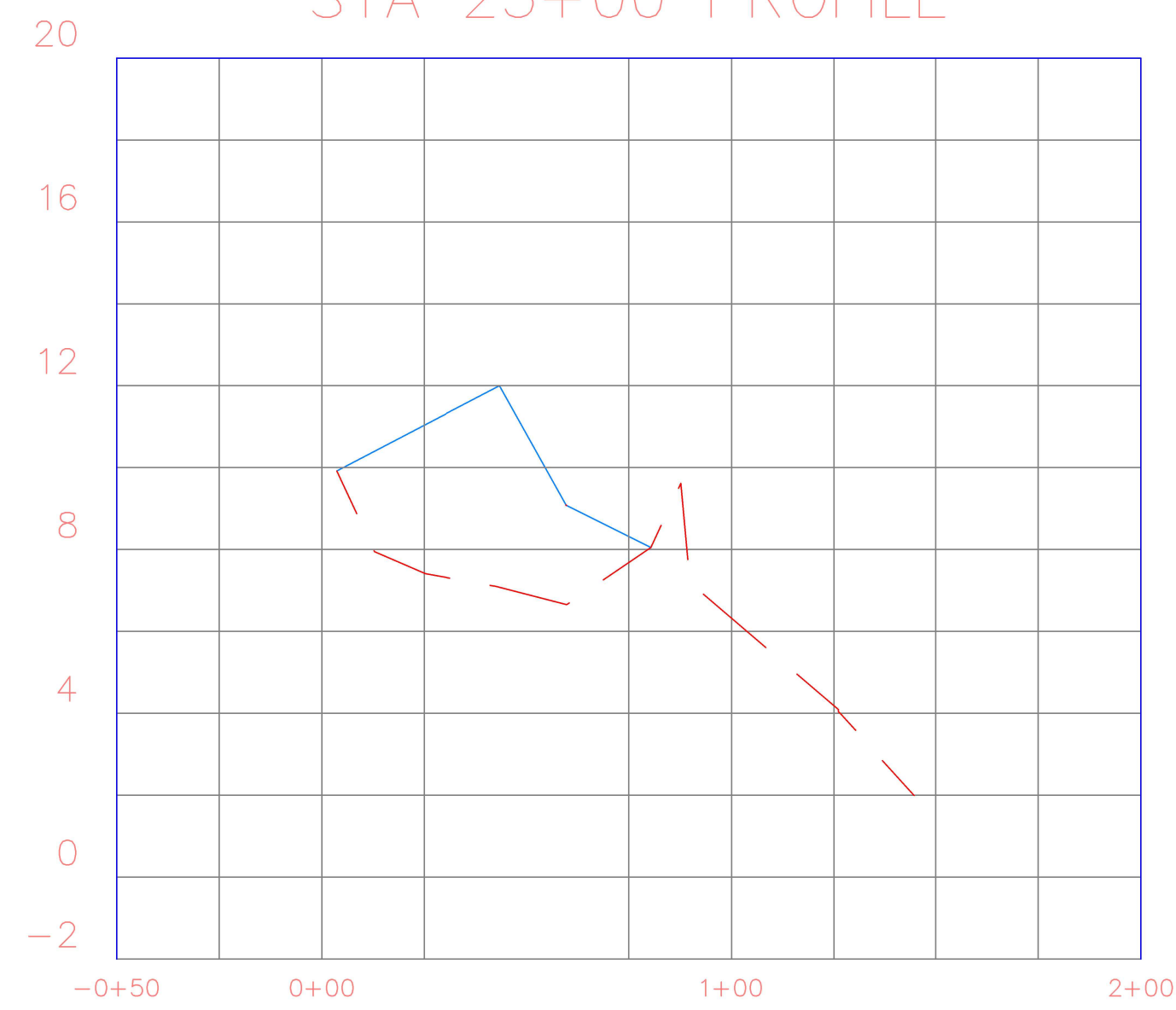
STA 13+00 PROFILE



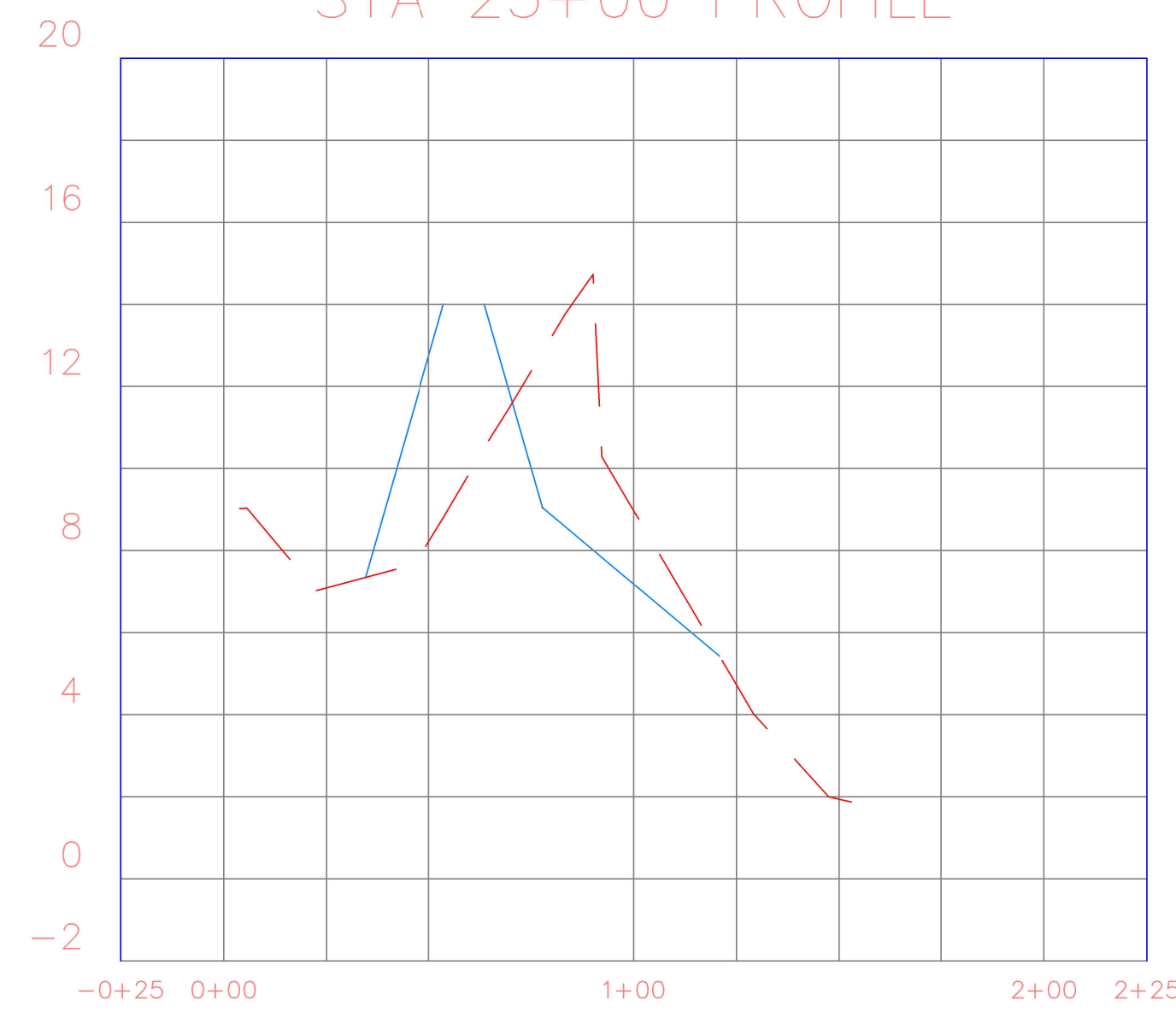
STA 22+00 PROFILE



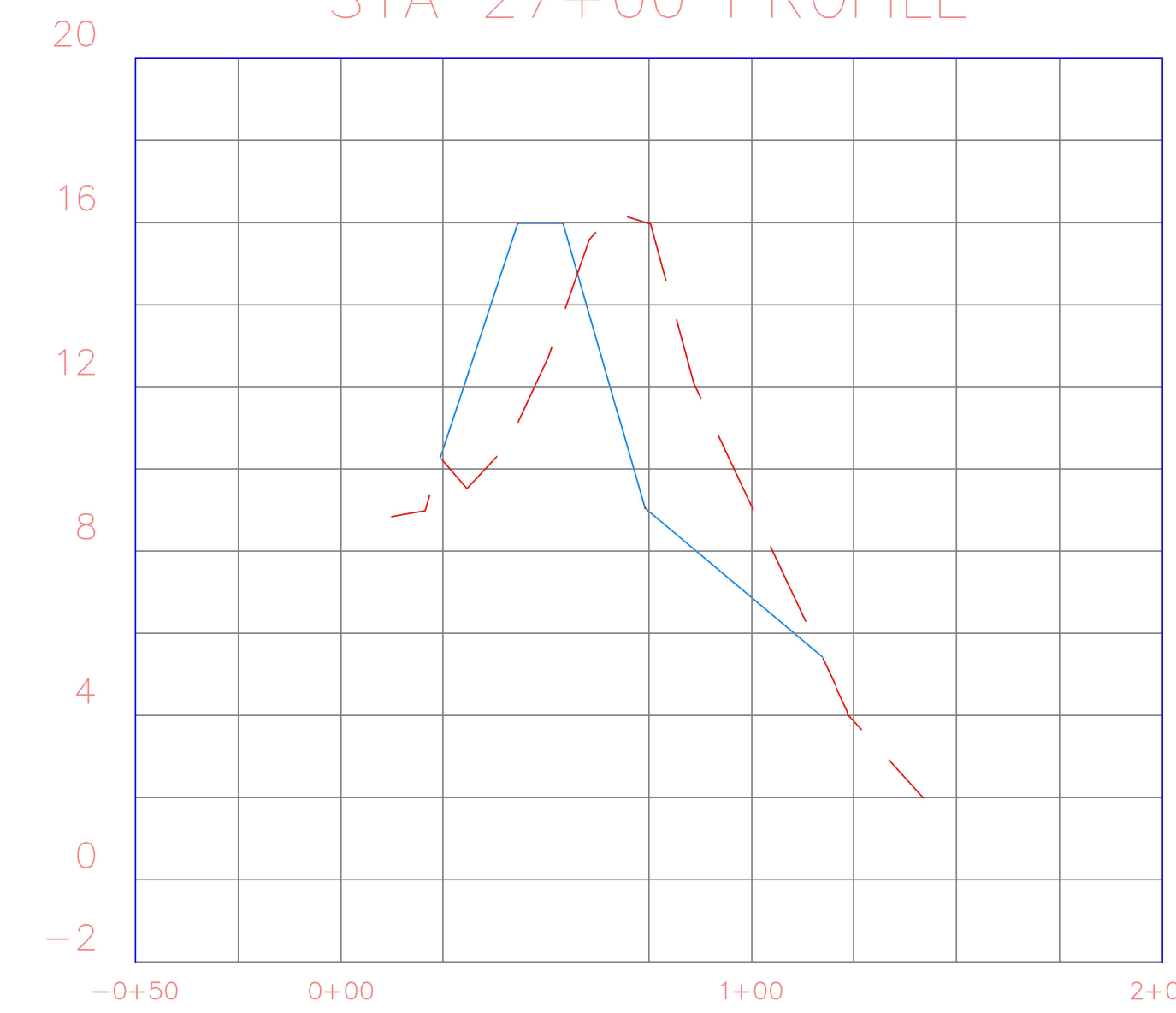
STA 23+00 PROFILE



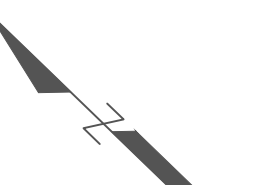
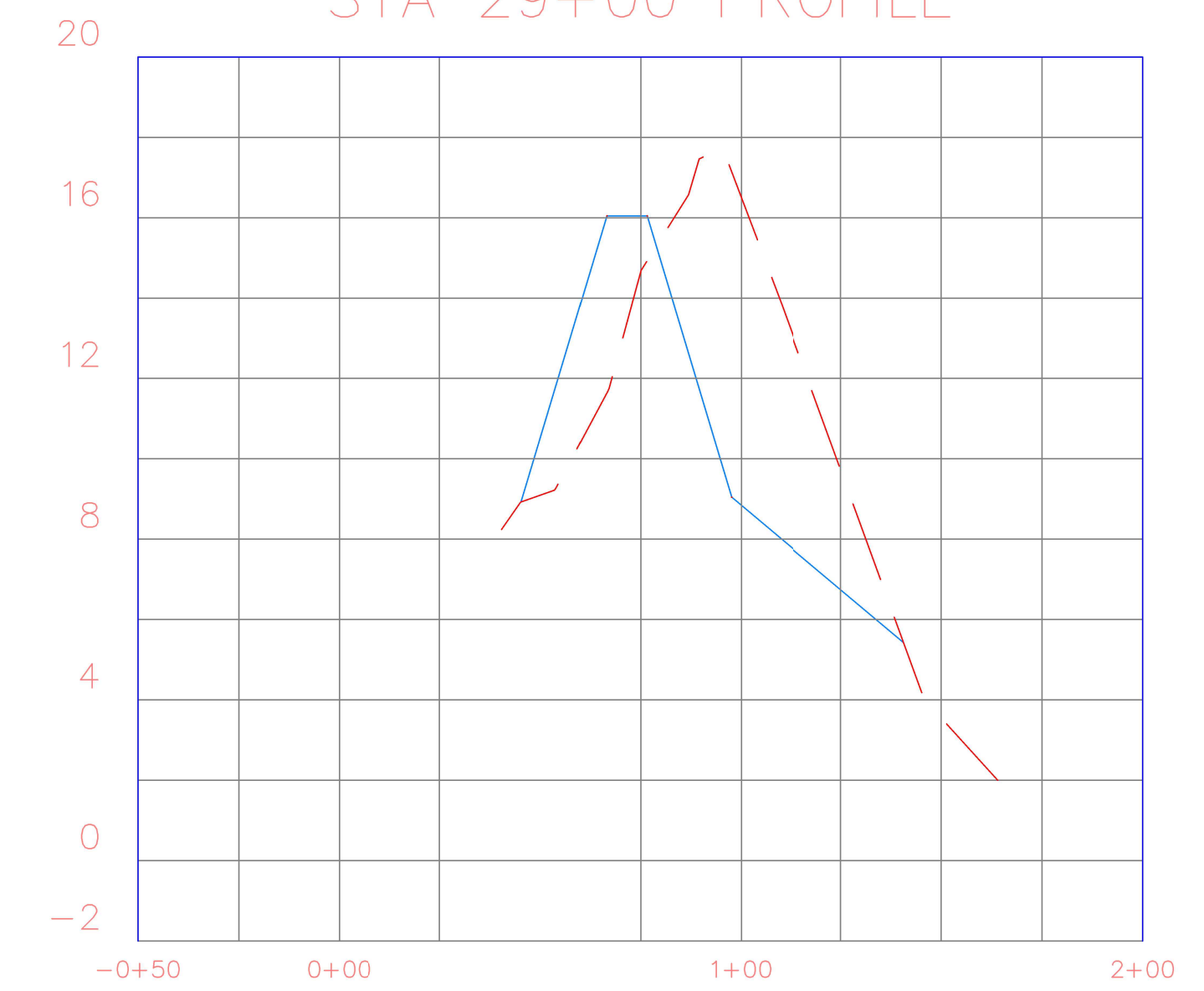
STA 25+00 PROFILE

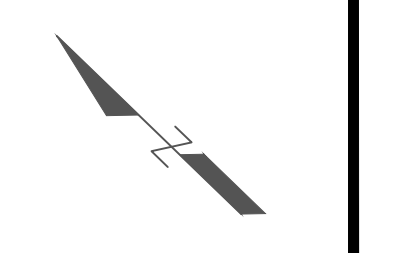
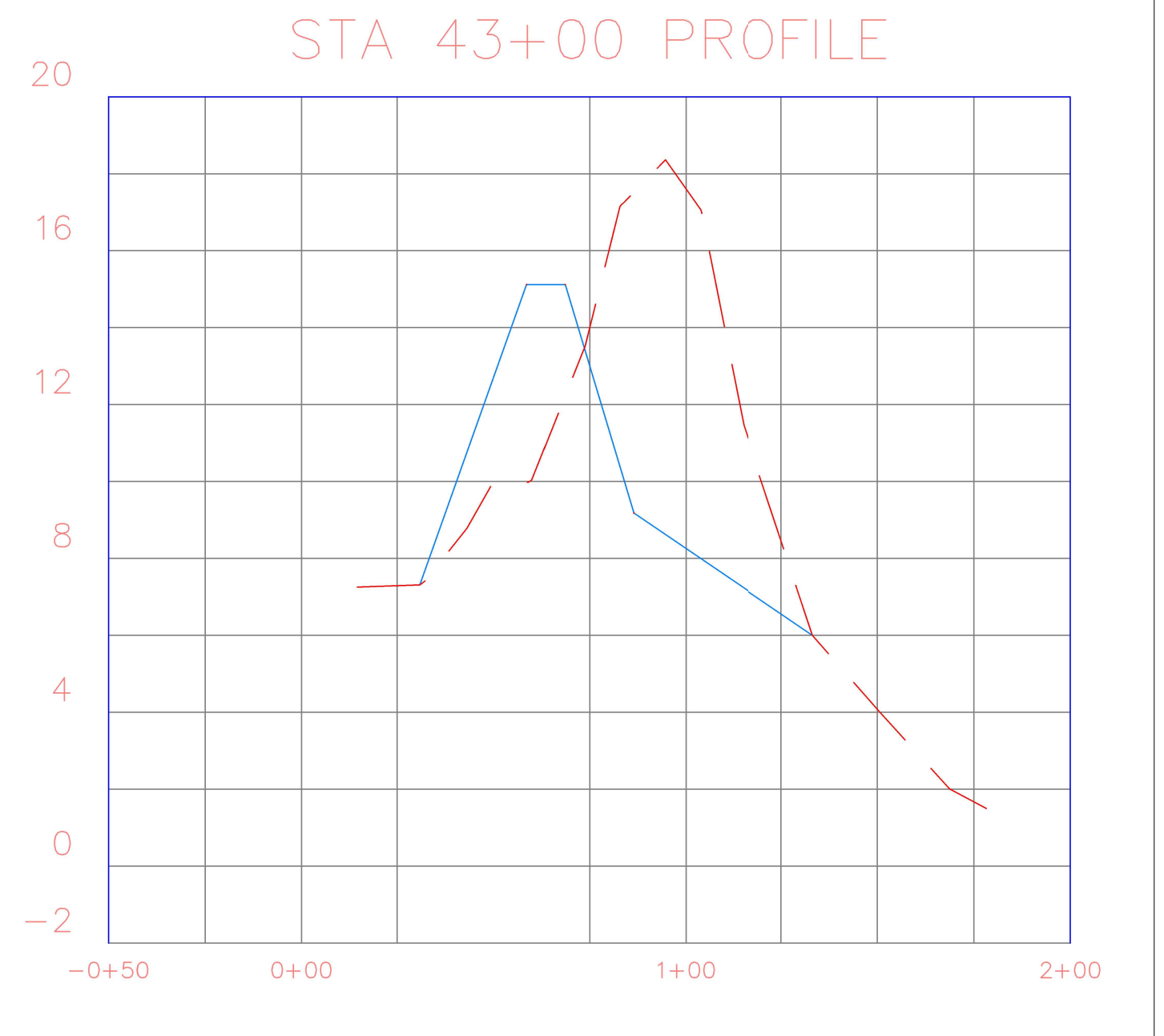
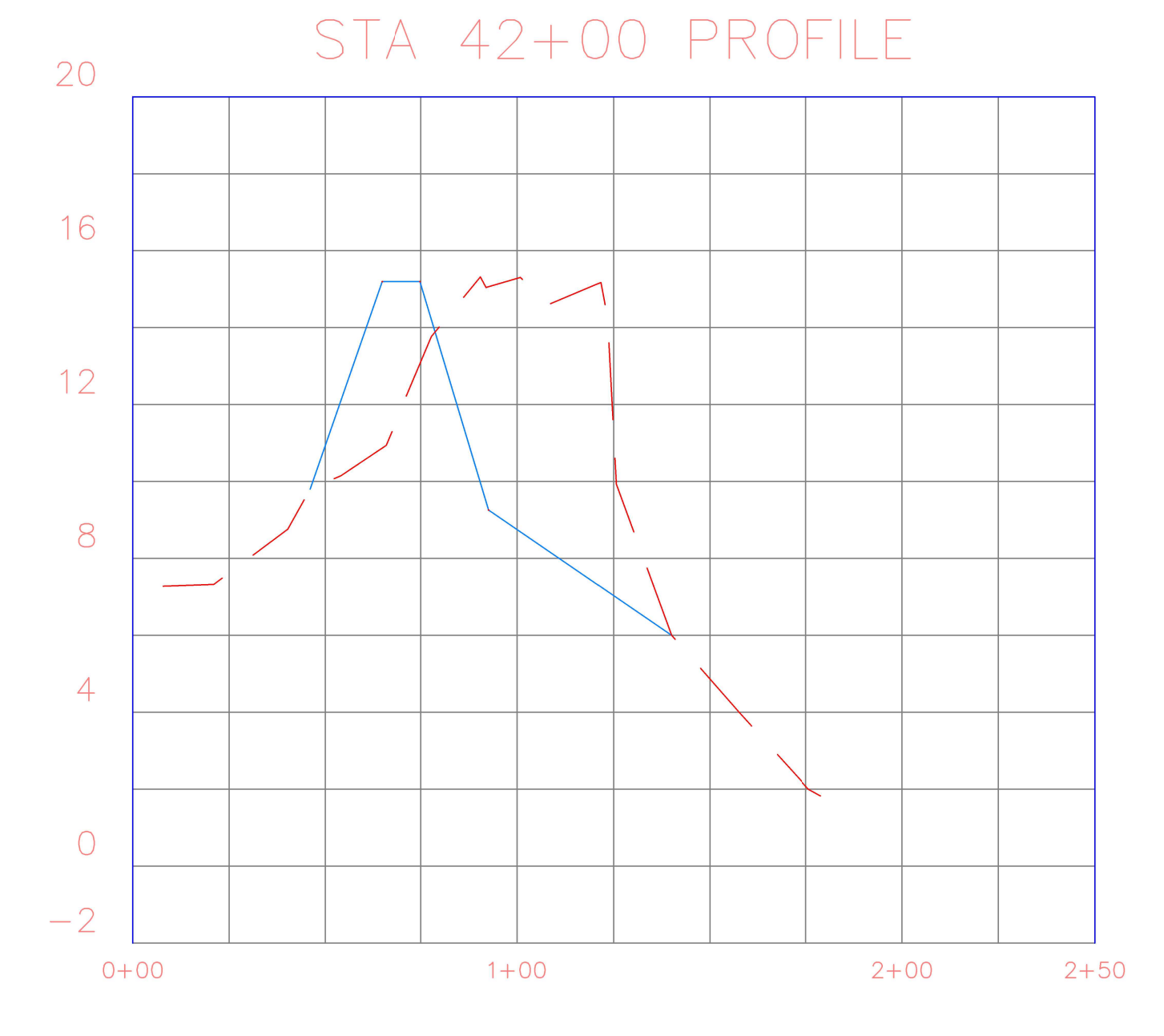
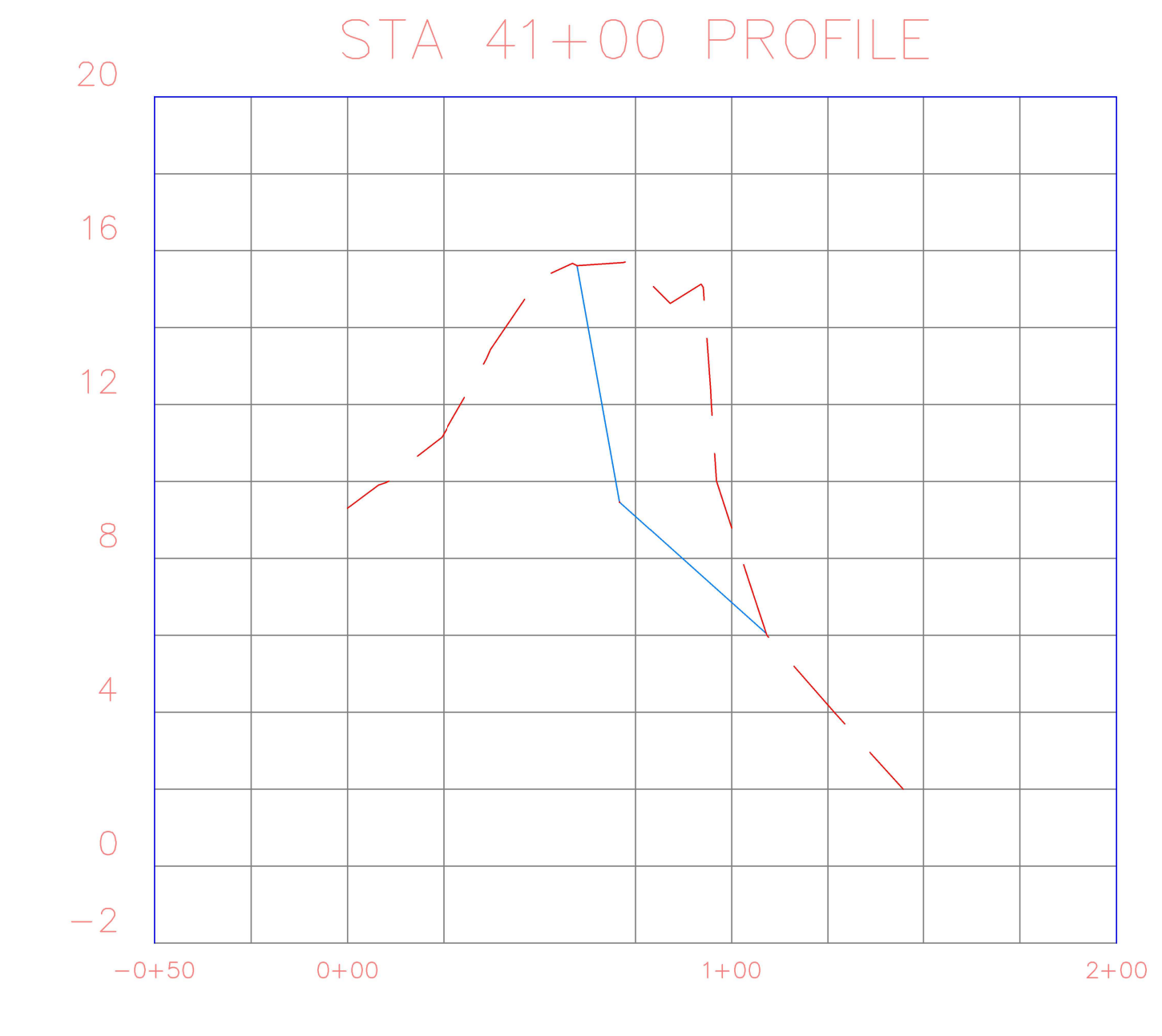
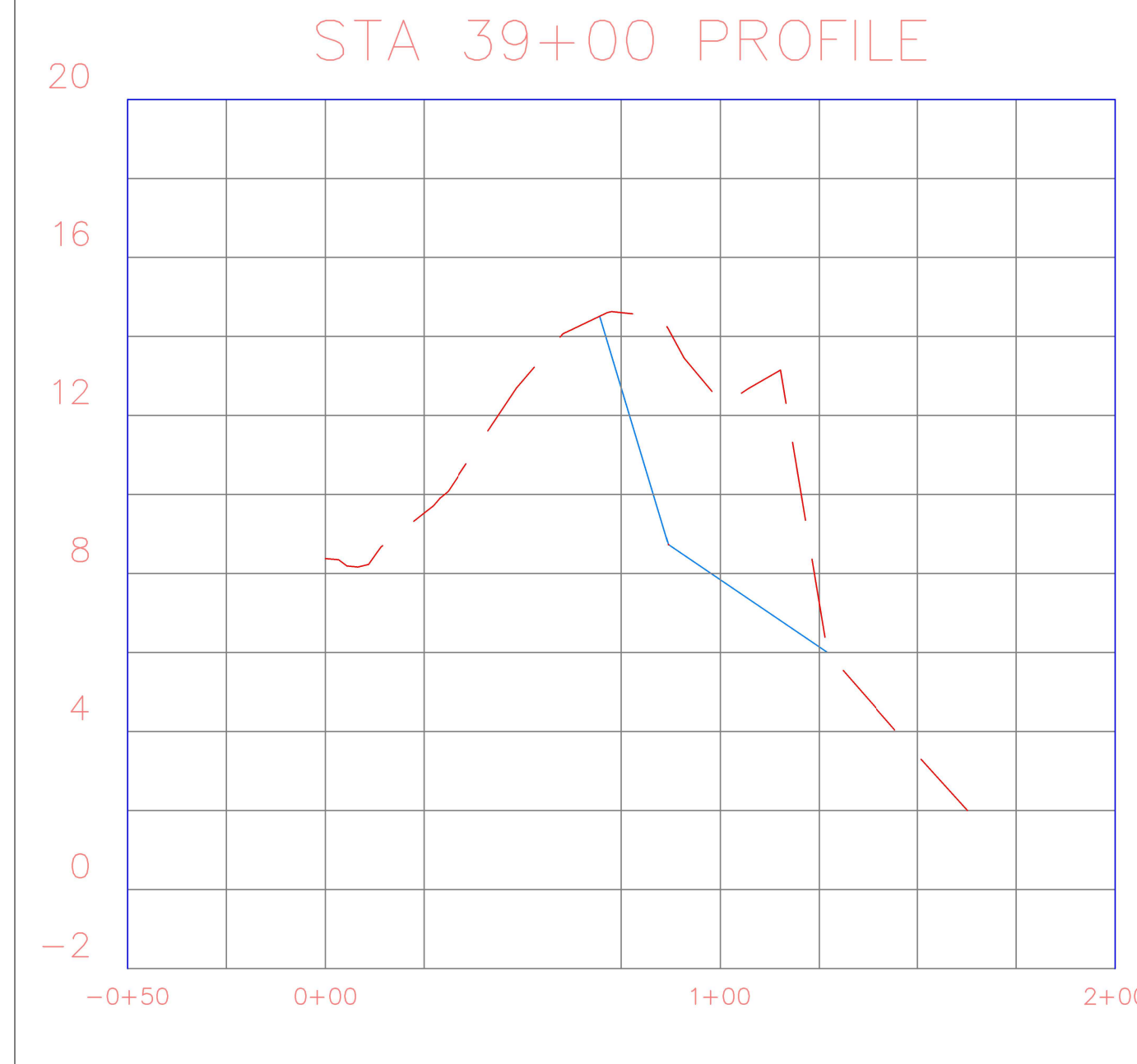
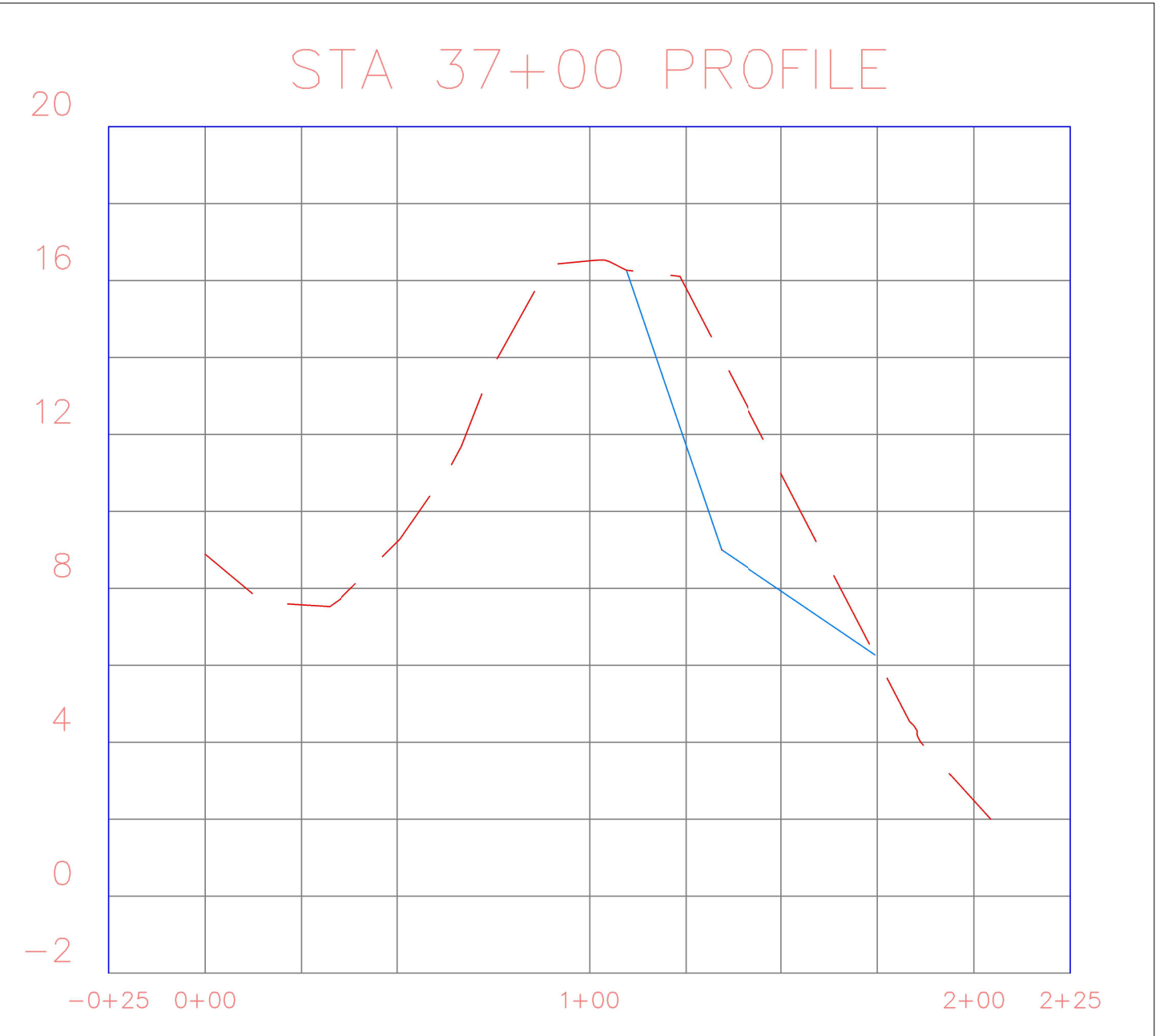
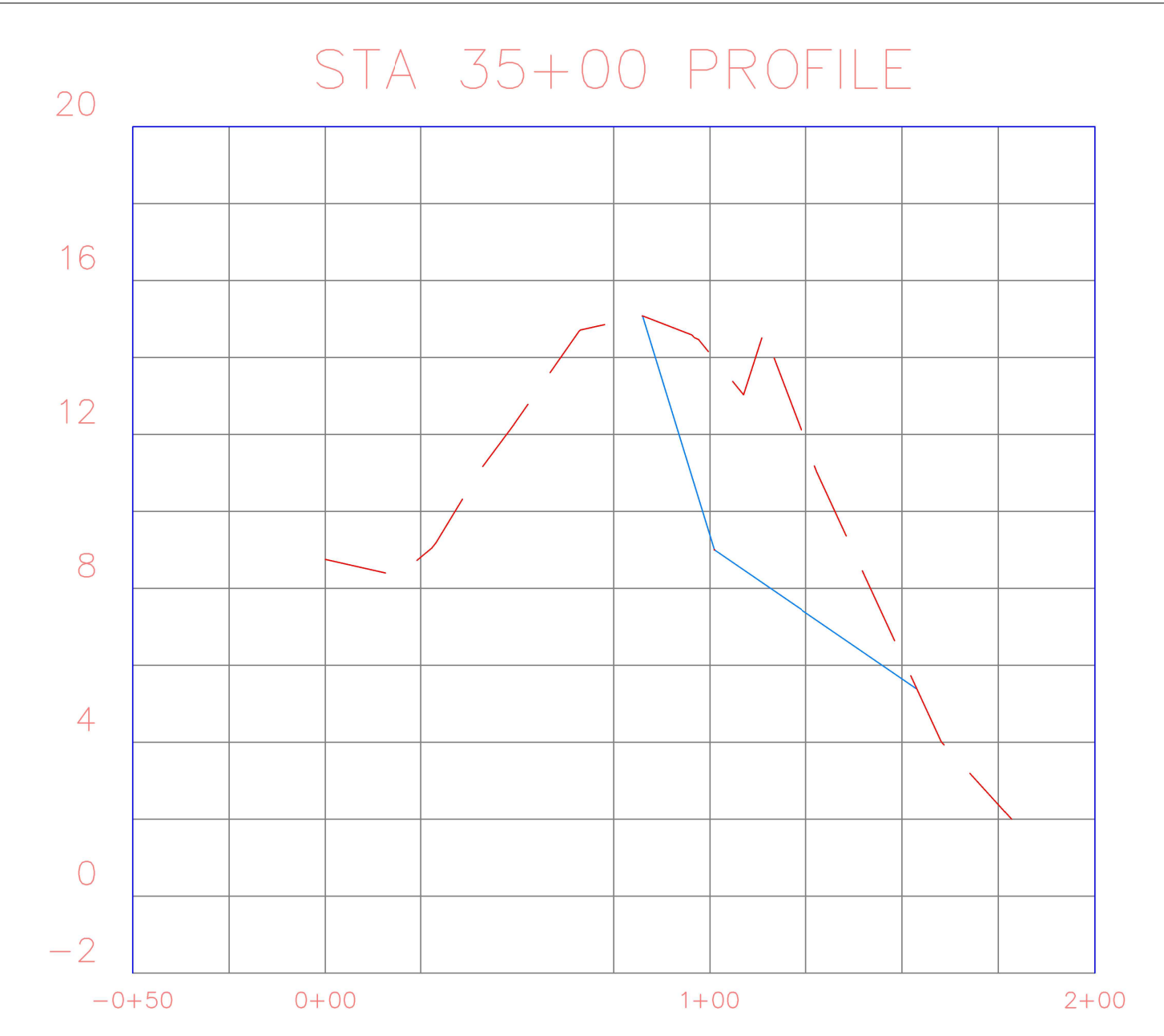
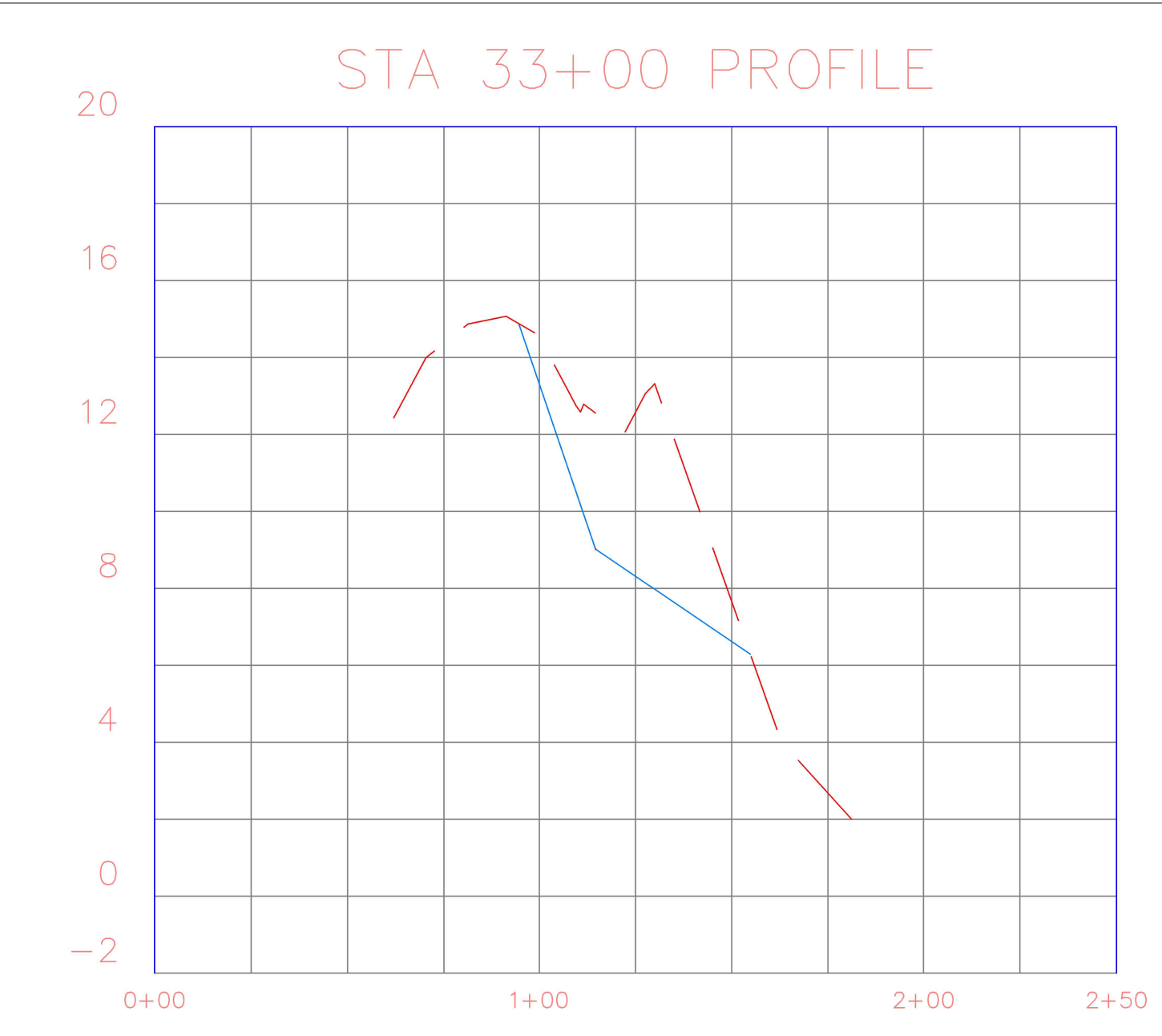
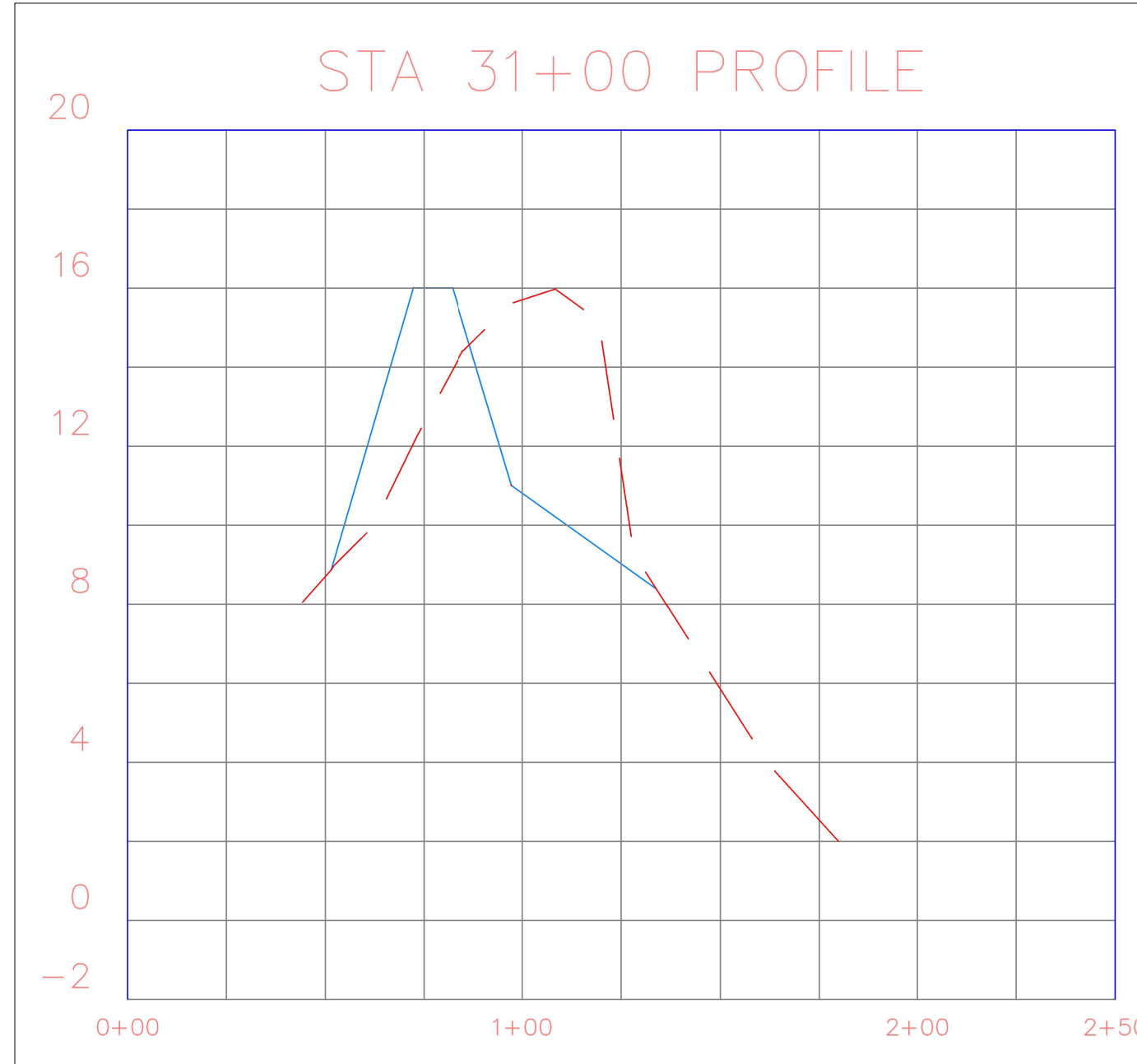
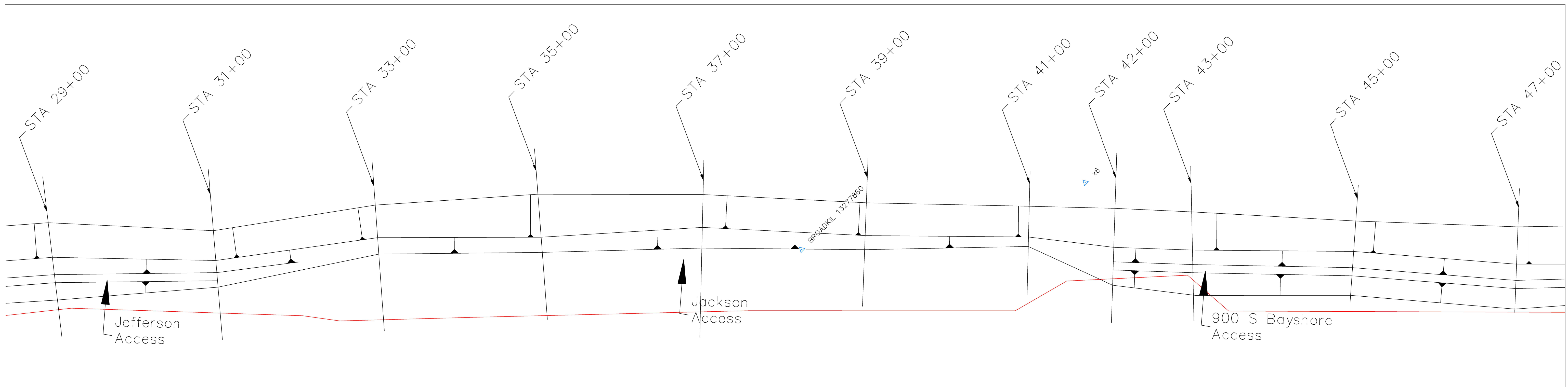


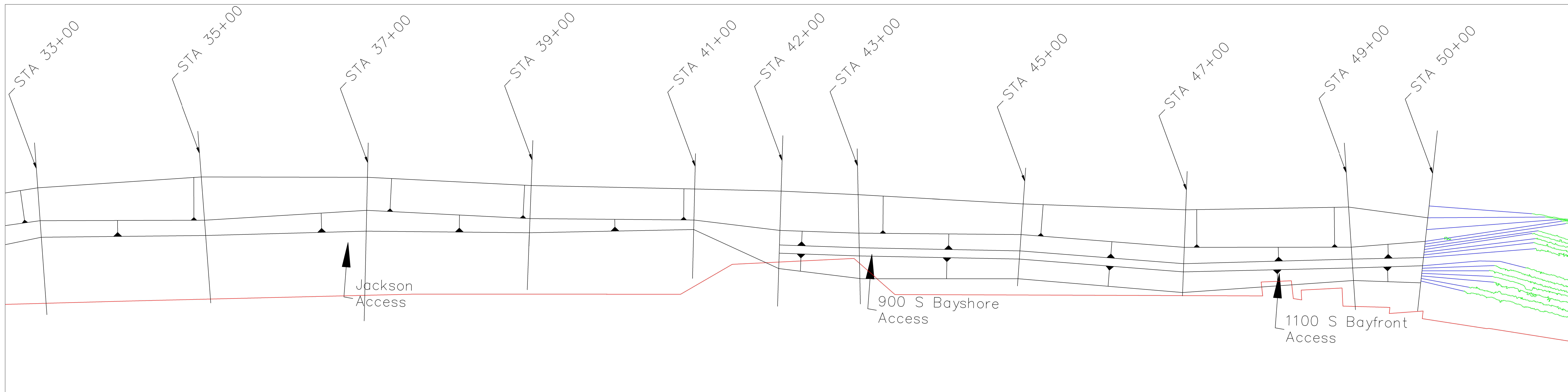
STA 27+00 PROFILE



STA 29+00 PROFILE



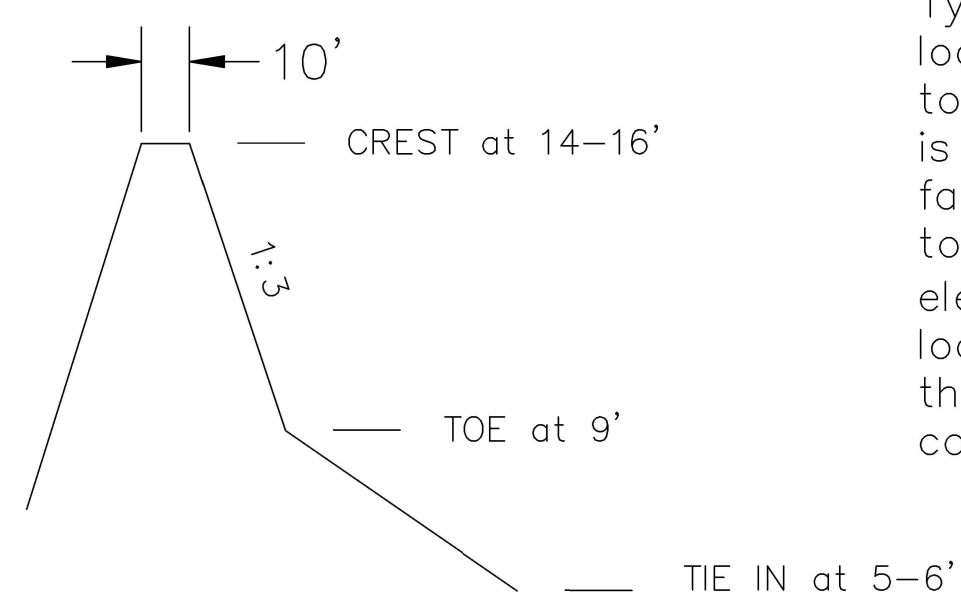




Section	Section Volume	Cumulative Volume
STA 00+00 to 02+00	+ 245	+ 367
STA 02+00 to 05+00	- 135	+ 110
STA 05+00 to 07+00	- 735	- 625
STA 07+00 to 09+00	- 1398	- 2023
STA 09+00 to 11+00	- 1257	- 3280
STA 11+00 to 13+00	- 540	- 3820
STA 13+00 to 15+00	- 683	- 4503
STA 15+00 to 17+00	- 231	- 4734
STA 22+00 to 23+00	- 994	- 5728
STA 23+00 to 25+00	- 1885	- 7613
STA 25+00 to 27+00	- 535	- 8148
STA 27+00 to 29+00	+ 338	- 7810

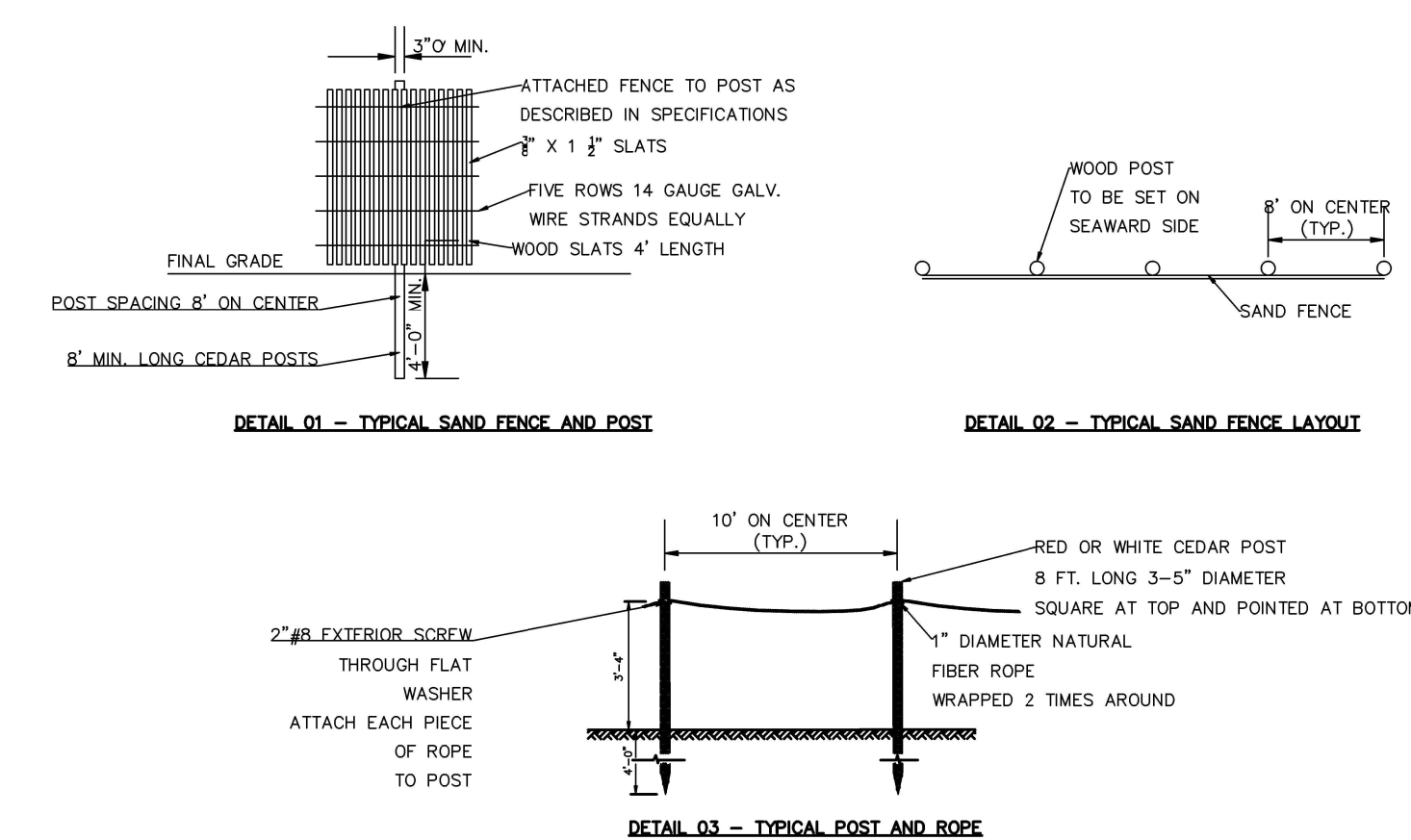
Section	Section Volume	Cumulative Volume
STA 29+00 to 31+00	+ 678	- 7132
STA 31+00 to 33+00	+ 785	- 6347
STA 33+00 to 35+00	+ 691	- 5656
STA 35+00 to 37+00	+ 1338	- 4318
STA 37+00 to 39+00	+ 1482	- 2836
STA 39+00 to 41+00	+ 1767	- 1069
STA 41+00 to 43+00	+ 1462	+ 393
STA 43+00 to 45+00	+ 860	+ 1253
STA 45+00 to 47+00	- 197	+ 1056
STA 47+00 to 49+00	- 289	+ 767
STA 49+00 to 50+00	+ 194	+ 961

TYPICAL TEMPLATE:



NOTE:

Typical Template represents locations where the dune needs to be reconstructed. Where there is excess material, just the face of the dune will be graded to yield a berm with a toe elevation of 9' NAVD. At these locations, the bayward slope of the template ties into existing conditions.



NOTE:

Section Volume indicates the volume difference between the existing beach and dune and the proposed template. If the value is positive, this indicates an excess of material, to be placed where there are deficiencies (negative values.) The cumulative volume is a total accounting of the volume along the project length. There is a cumulative surplus which will be distributed across the project length.

