

APPENDIX C

DELINEATION OF ALTERNATIVES

Table C.1 – Alternative Comparative Matrix

	Alternative 1A Arc Wall	Alternative 1B Arc Wall	Alternative 2A Gate Walls	Alternative 2B Gate Walls	Alternative 3 Constitution Garden Walls	Alternative 4 Hybrid	Alternative 5 3B
Trees Lost							
Phase I	15	98	25	26	18	28	43
Phase II	38	0	29	38	83	32	0
Total	53	98	54	64	101	60	43
17 th Street Trees Lost	2	2	4	4	2	4	4
Walnuts lost	2	1	0	0	0	1	0
Sycamores Lost	0	0	0	0	0	0	0
Wall Lengths							
Phase I Flood Wall	392'	240'	256'	282'	403'	416'	188'
Phase II Exposed Wall	442'	240'	246'	270'	654'-0"	Same as Phase 1	Same as Phase 1
Wall Height							
Phase I	6.3'	9.0	5.3'	5.3'	7.7'	5.3'	8.7'
Phase II	8.3'	Same as Phase 1	7.3'	7.3'	2.5'	6.7' (east) 5.7' (west)	Same as Phase 1
Area of Disturbance							
Phase I	21,811sf	276,153sf	66,112sf	54,334sf	17,809sf	29,770sf	80,112sf
Phase II	81,398sf	Same as Phase 1	103,312sf	98,598sf	98,684sf	84,354sf	Same as Phase 1
Post and Panel Closure Length							
Phase I	94'-0"	140'	109'	109'	102'	190'	161'
Phase II	Same as Phase 1	Same as Phase 1	109'	154"	236' (+ add'l 110'-0" Jersey Barrier Closure)	Same as Phase 1	Same as Phase 1
Opportunity for Placemaking	Yes	Yes	Yes	Yes	Yes	Yes	No

It is important to note that additional grading and tree loss will likely be required beyond what is identified here as a result of an updated USACE soil and flow analysis.

Figure C.1 – 1A Arc Wall Site Plan, Phase 1

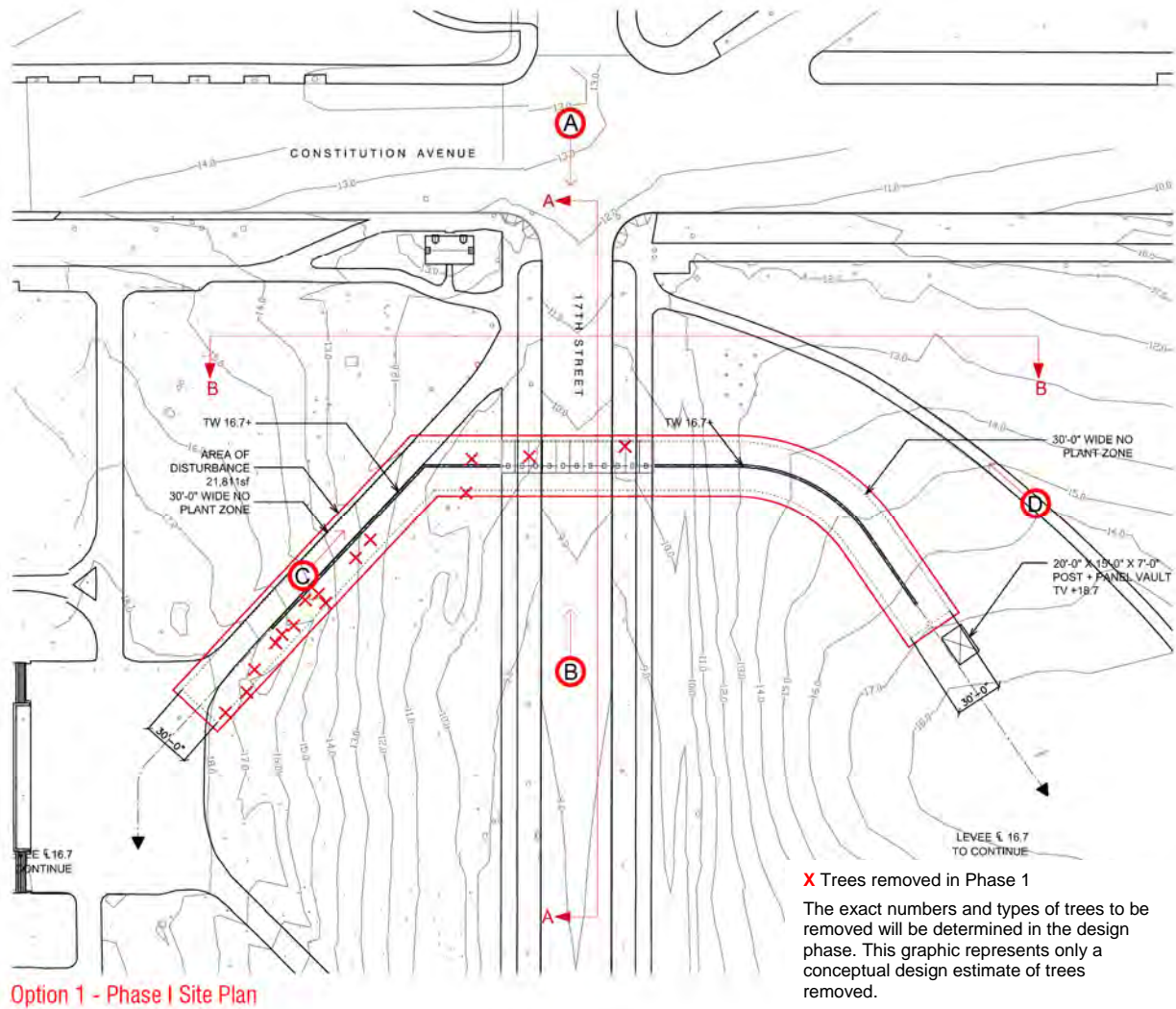


Figure C.2 – 1A Arc Wall Perspectives, Phase I



Alternative 1: Aerial Oblique - Phase I With Tree Canopy



Alternative 1: Aerial Oblique - Phase I Without Tree Canopy

Figure C.3 – 1A Arc Wall Sections, Phase I



Figure C.4 – 1A Arc Wall View A, Phase 1



Alternative 1: View A - Phase I



Alternative 1: View A - Existing Conditions

Figure C.5 – 1A Arc Wall View B, Phase 1



Alternative 1: View B - Phase I



Alternative 1: View B - Existing Conditions

Figure C.6 – 1A Arc Wall View C, Phase 1



Alternative 1: View C - Phase I



Alternative 1 View C - Existing Conditions

Figure C.7 – 1A Arc Wall View D, Phase 1



Alternative 1: View D - Phase I



Alternative 1: View D - Existing Conditions

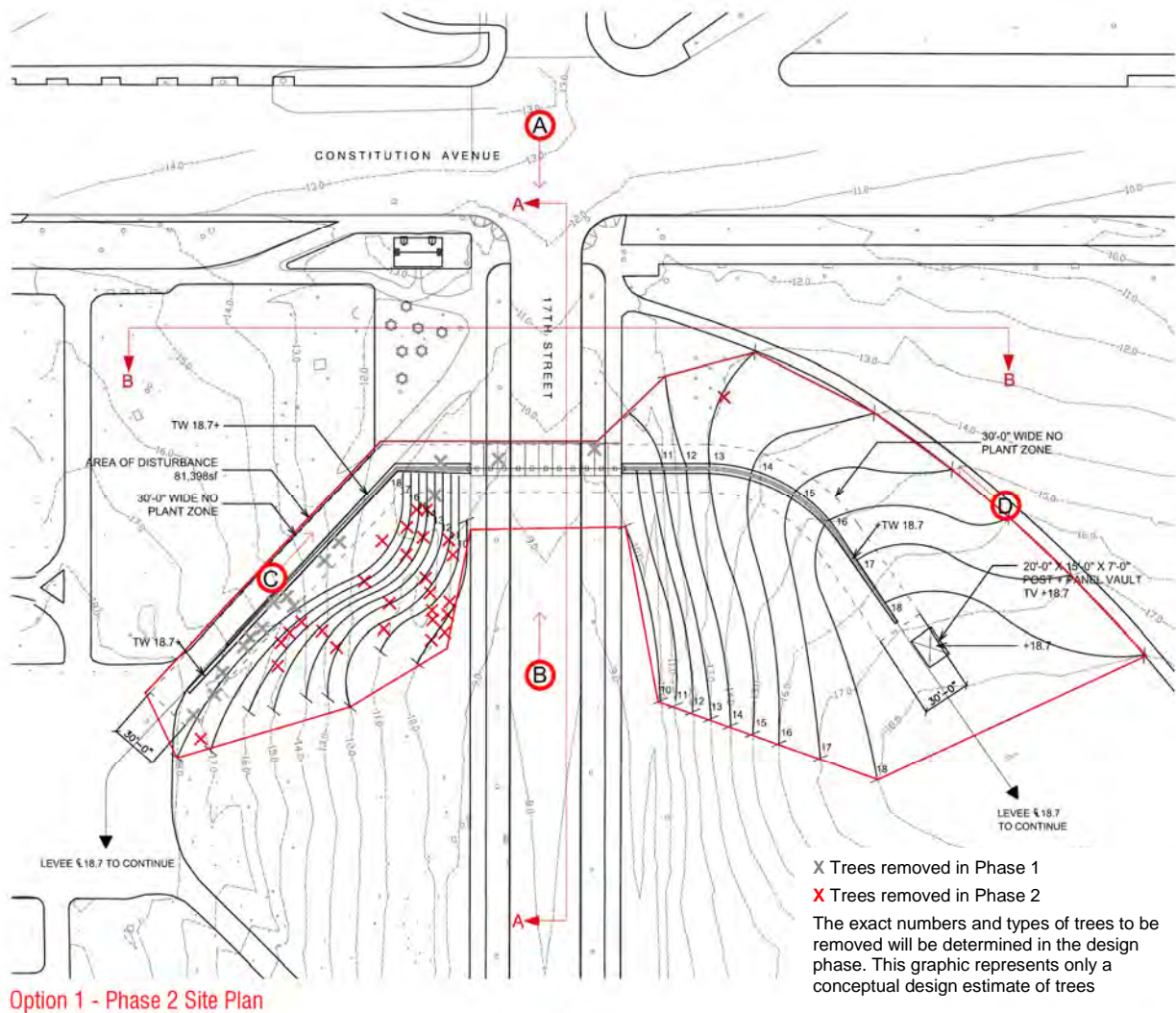
Figure C.8 – 1A Arc Wall Site Plan, Phase 2

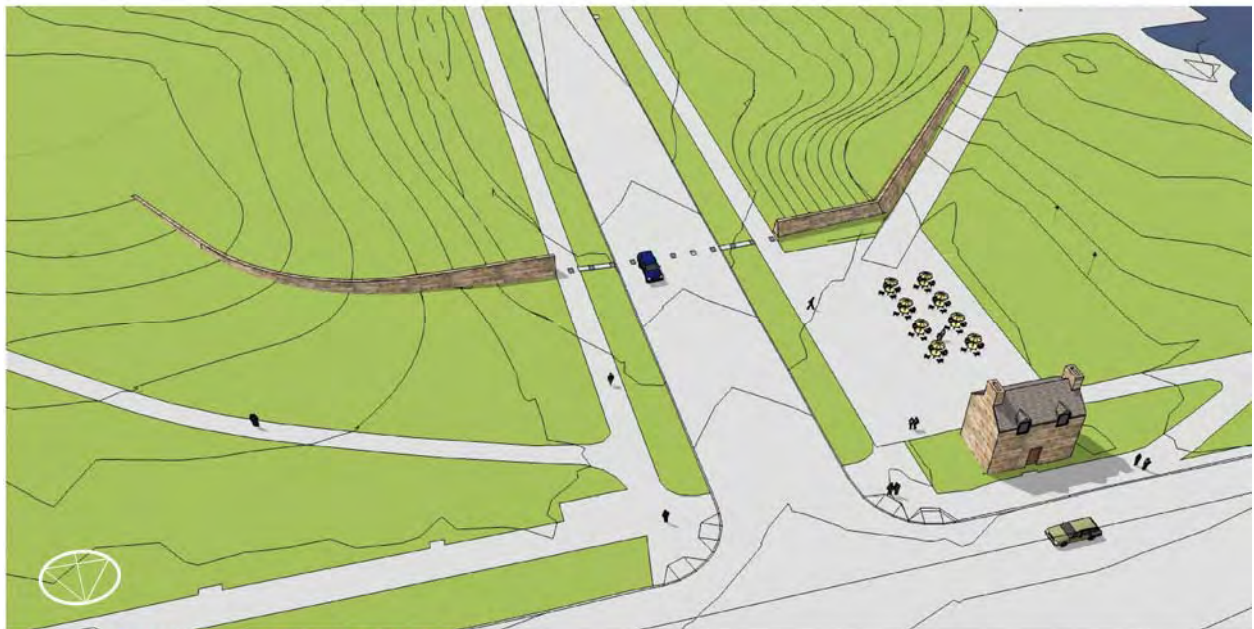
Figure C.9 – 1A Arc Wall Rendering, Phase 2



Figure C.10 – 1A Arc Wall Perspectives, Phase 2



Alternative 1: Aerial Oblique - Phase II With Tree Canopy



Alternative 1: Aerial Oblique - Phase II Without Tree Canopy

Figure C.11 – 1A Arc Wall Sections, Phase 2



Figure C.12 – 1A Arc Wall View A, Phase 2



Alternative 1: View A - Phase II



Alternative 1: View A - Existing Conditions

Figure C.13 – 1A Arc Wall View B, Phase 2



Alternative 1: View B - Phase II



Alternative 1: View B - Existing Conditions

Figure C.14 – 1A Arc Wall View C, Phase 2



Alternative 1: View C - Phase II



Alternative 1 View C - Existing Conditions

Figure C.15 – 1A Arc Wall View D, Phase 2



Alternative 1: View D - Phase II



Alternative 1: View D - Existing Conditions

Figure C.16 – 1B Arc Wall Site Plan, Phase 1

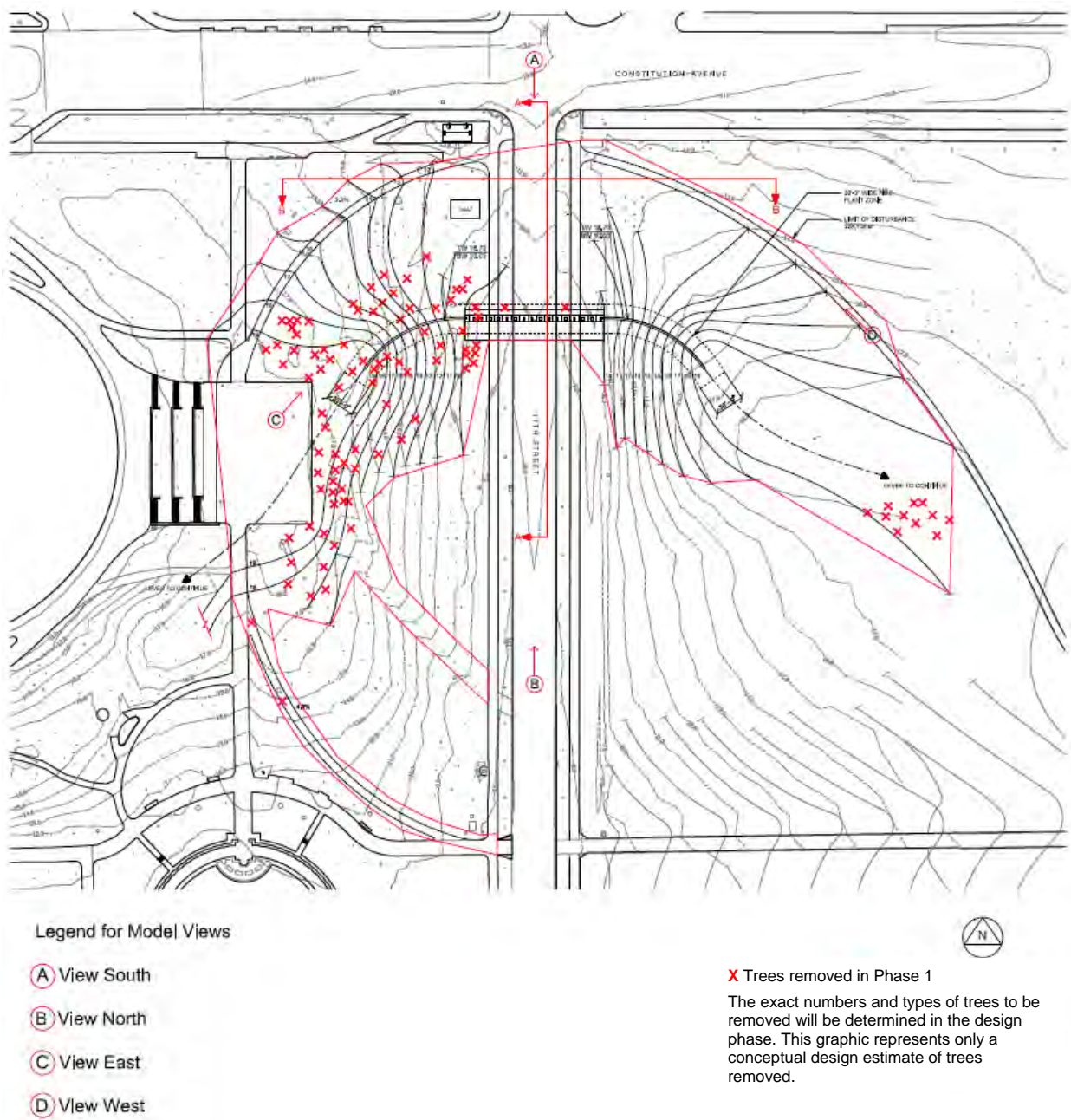


Figure C.17 – 1B Arc Wall Perspectives, Phase 1



Figure C.18 – 1B Arc Wall Sections, Phase 1



Figure C.19 – 1B Arc Wall View A, Phase 1



Figure C.20 – 1B Arc Wall View B, Phase 1

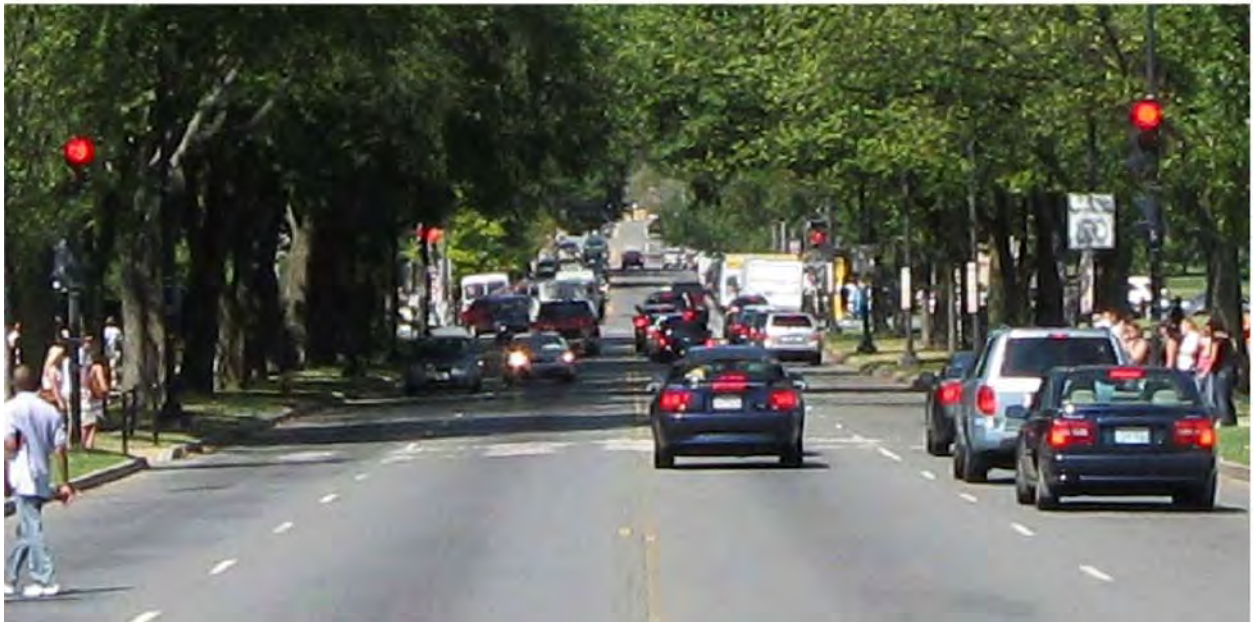


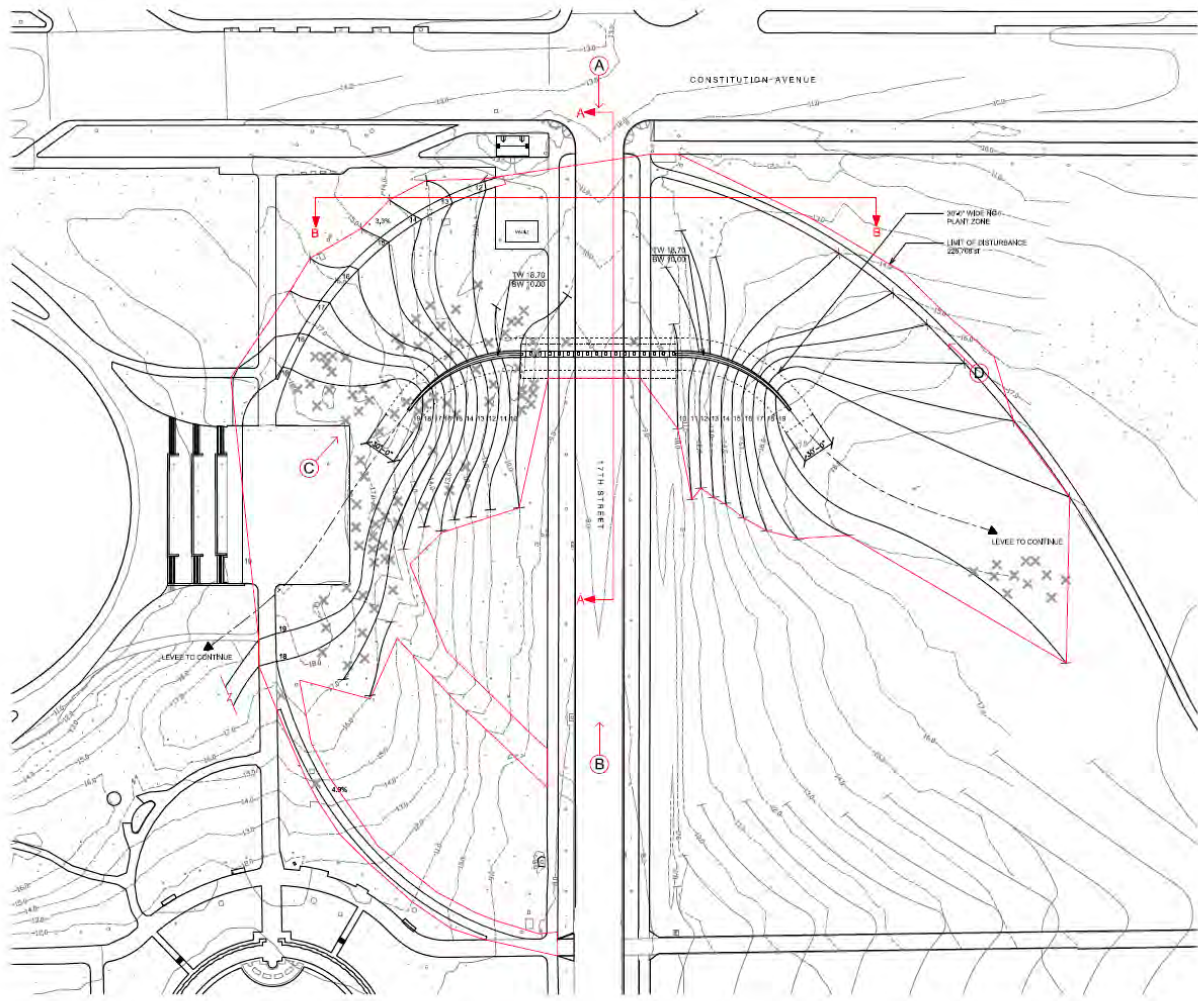
Figure C.21 – 1B Arc Wall View C, Phase 1



Figure C.22 – 1B Arc Wall View D, Phase 1



Figure C.23 – 1B Arc Wall Site Plan, Phase 2



Legend for Model Views

- (A) View South
- (B) View North
- (C) View East
- (D) View West



X Trees removed in Phase 1

No additional trees removed in Phase 2

The exact numbers and types of trees to be removed will be determined in the design phase. This graphic represents only a conceptual design estimate of trees

Figure C.24 – 1B Arc Wall Rendering, Phase 2



Figure C.25 – 1B Arc Wall Perspectives, Phase 2



Figure C.26 – 1B Arc Wall Sections, Phase 2



Figure C.27 – 1B Arc Wall View A, Phase 2



Figure C.28 – 1B Arc Wall View B, Phase 2

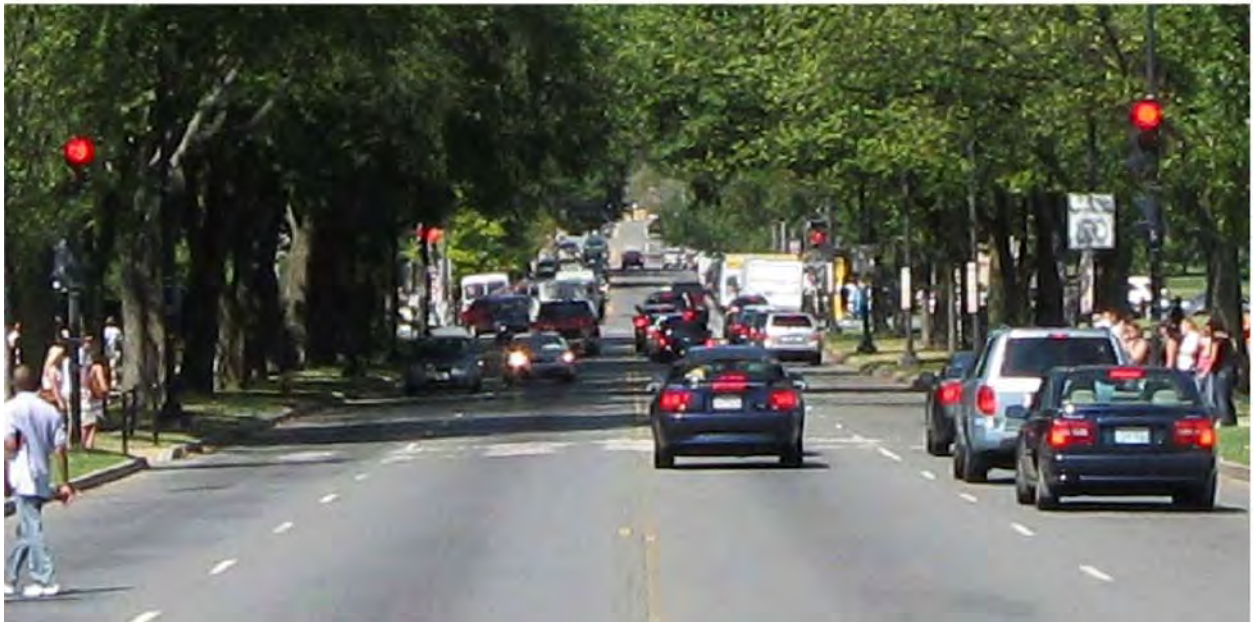


Figure C.29 – 1B Arc Wall View C, Phase 2



Figure C.30 – 1B Arc Wall View D, Phase 2



Figure C.31 – 2A Gate Wall Site Plan, Phase 1

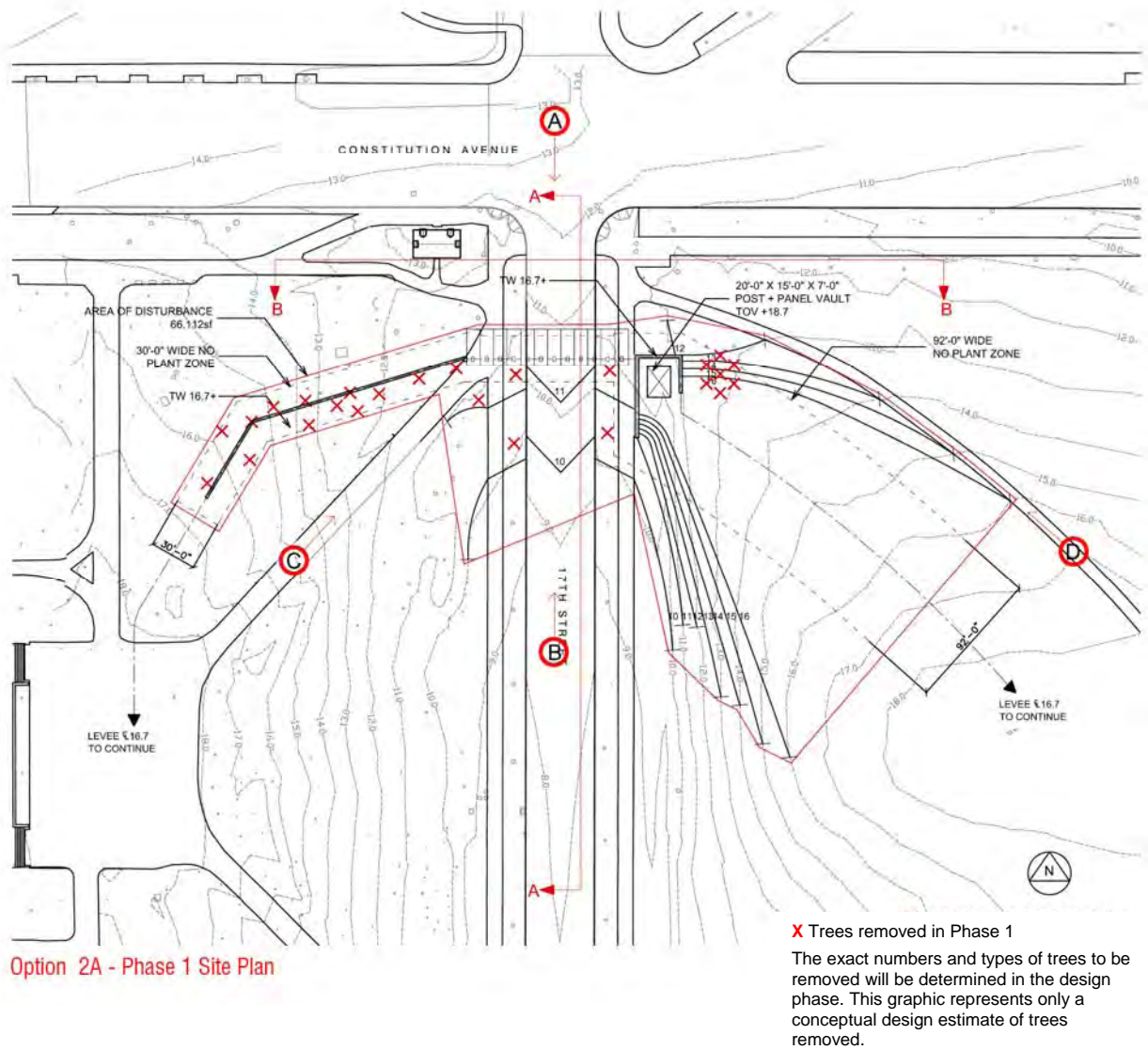
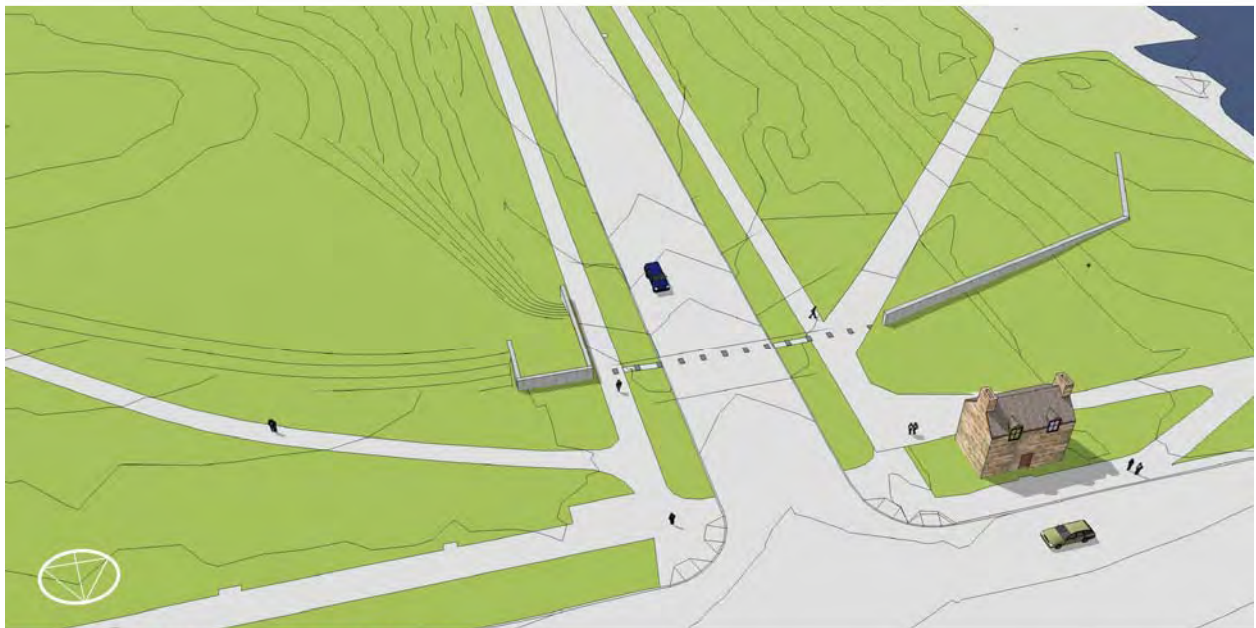


Figure C.32 – 2A Gate Wall Perspectives, Phase 1



Alternative 2A: Aerial Oblique - Phase I With Tree Canopy



Alternative 2A: Aerial Oblique - Phase I Without Tree Canopy

Figure C.33 – 2A Gate Wall Sections, Phase I



Figure C.34 – 2A Gate Wall View A, Phase 1



Alternative 2A: View A - Phase I

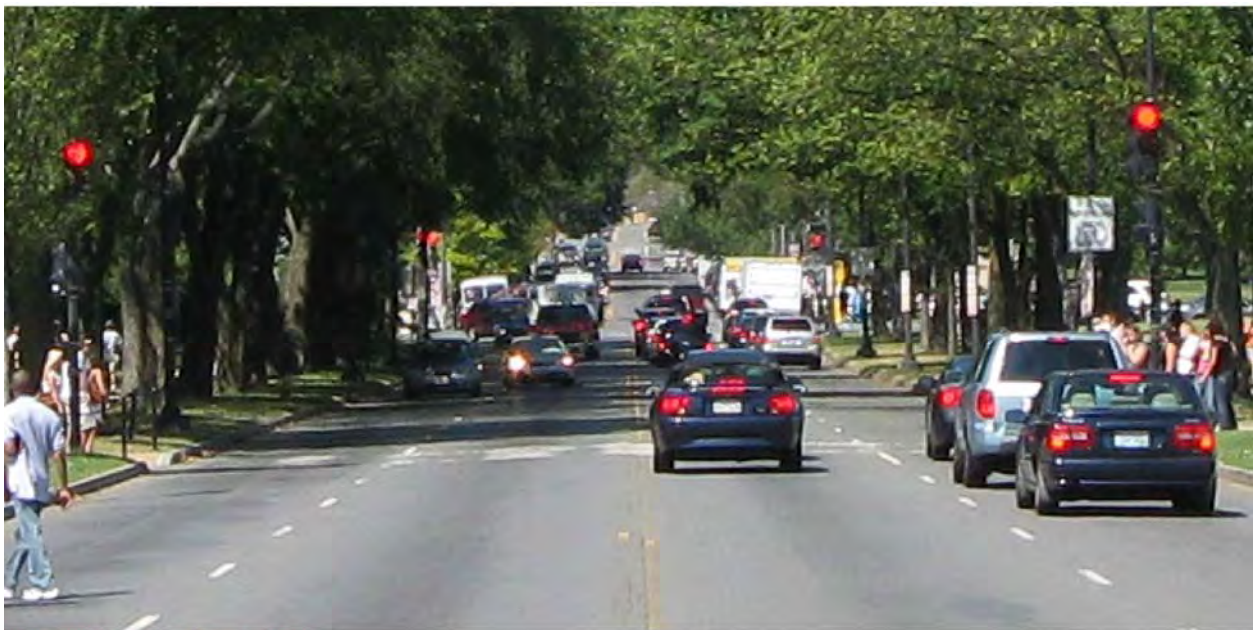


Alternative 2A: View A - Existing Conditions

Figure C.35 – 2A Gate Wall View B, Phase I



Alternative 2A View B - Phase I



Alternative 2A: View B - Existing Conditions

Figure C.36 – 2A Gate Wall View C, Phase 1



Alternative 2A: View C - Phase I



Alternative 2A: View C - Existing Conditions

Figure C.37 – 2A Gate Wall View D, Phase I



Alternative 2A: View D - Phase I



Alternative 2A: View D - Existing Conditions

Figure C.38 – 2A Gate Wall Site Plan 1, Phase 2

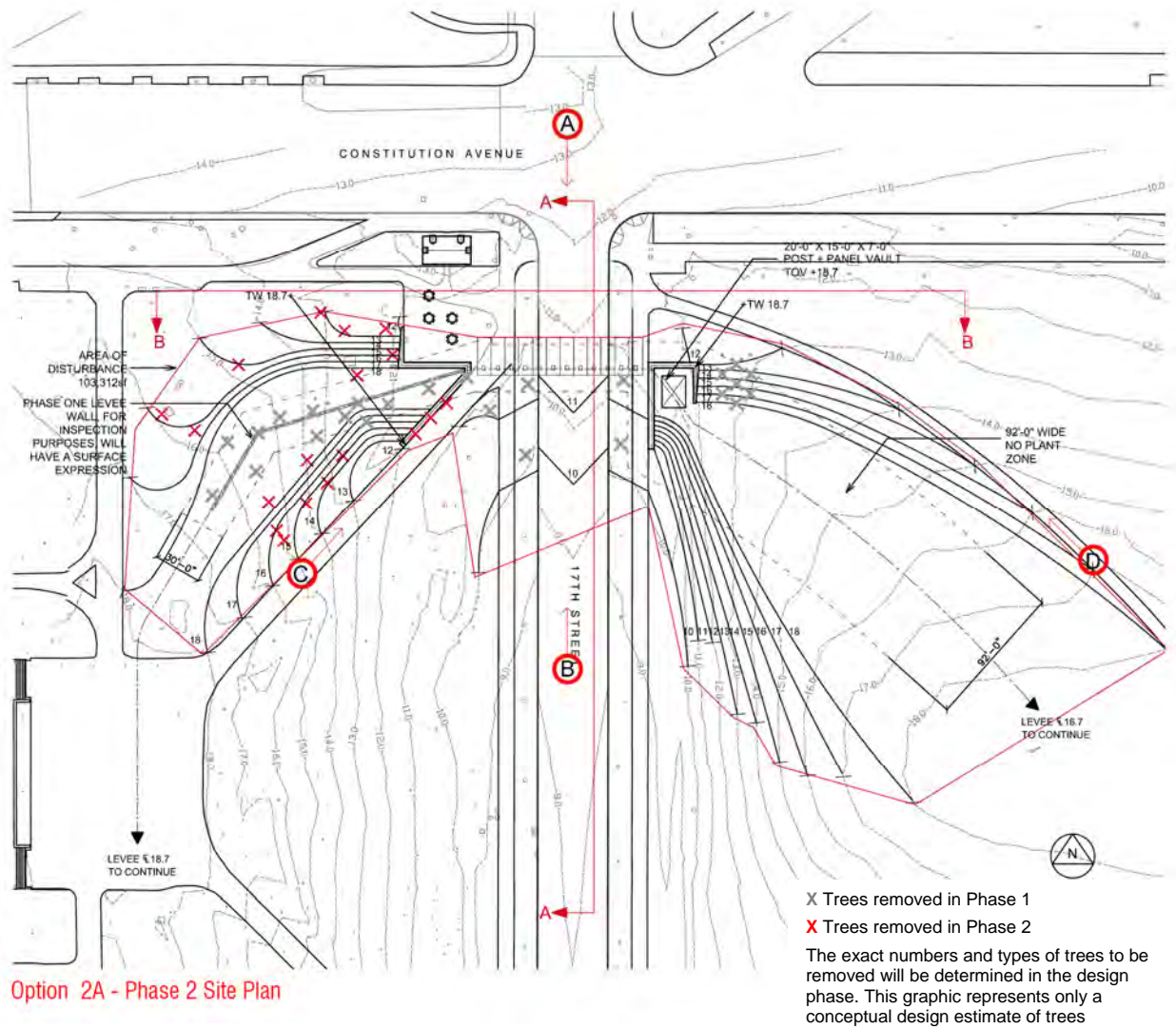


Figure C.39 – 2A Gate Wall Rendering, Phase 2



Figure C.40 – 2A Gate Wall Perspectives, Phase 2



Alternative 2A: Aerial Oblique - Phase II With Tree Canopy



Alternative 2A: Aerial Oblique - Phase II Without Tree Canopy

Figure C.41 – 2A Gate Wall Sections, Phase 2



Figure C.42 – 2A Gate Wall View A, Phase 2



Alternative 2A: View A - Phase II



Alternative 2A: View A - Existing Conditions

Figure C.43 – 2A Gate Wall View B, Phase 2



Alternative 2A: View B - Phase II



Alternative 2A: View B - Existing Conditions

Figure C.44 – 2A Gate Wall View C, Phase 2



Alternative 2A: View C - Phase II



Alternative 2A: View C - Existing Conditions

Figure C.45 – 2A Gate Wall View D, Phase 2

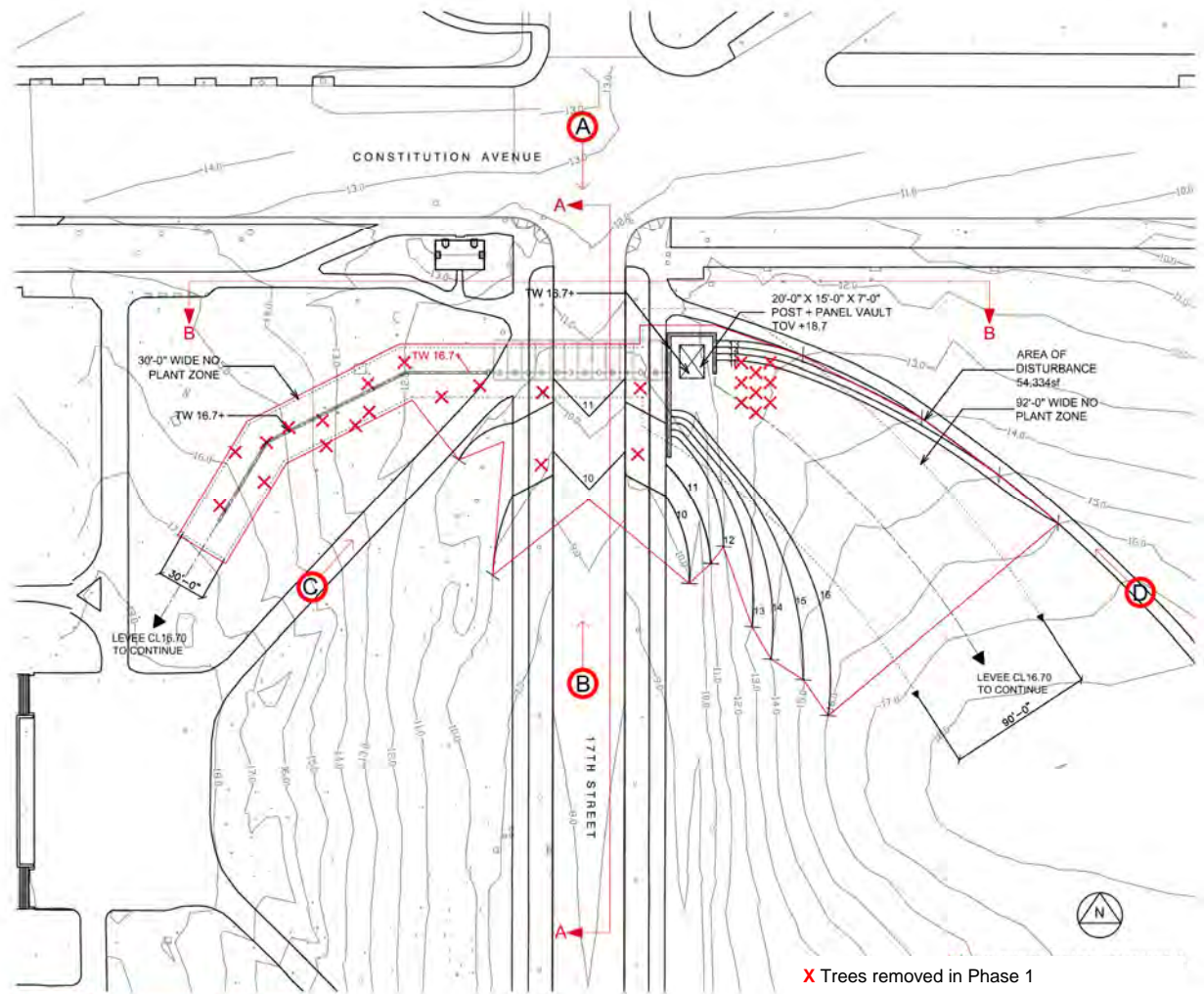


Alternative 2A: View D - Phase II



Alternative 2A: View D - Existing Conditions

Figure C.46 – 2B Gate Wall Site Plan, Phase 1



Option 2B - Phase 1 Site Plan

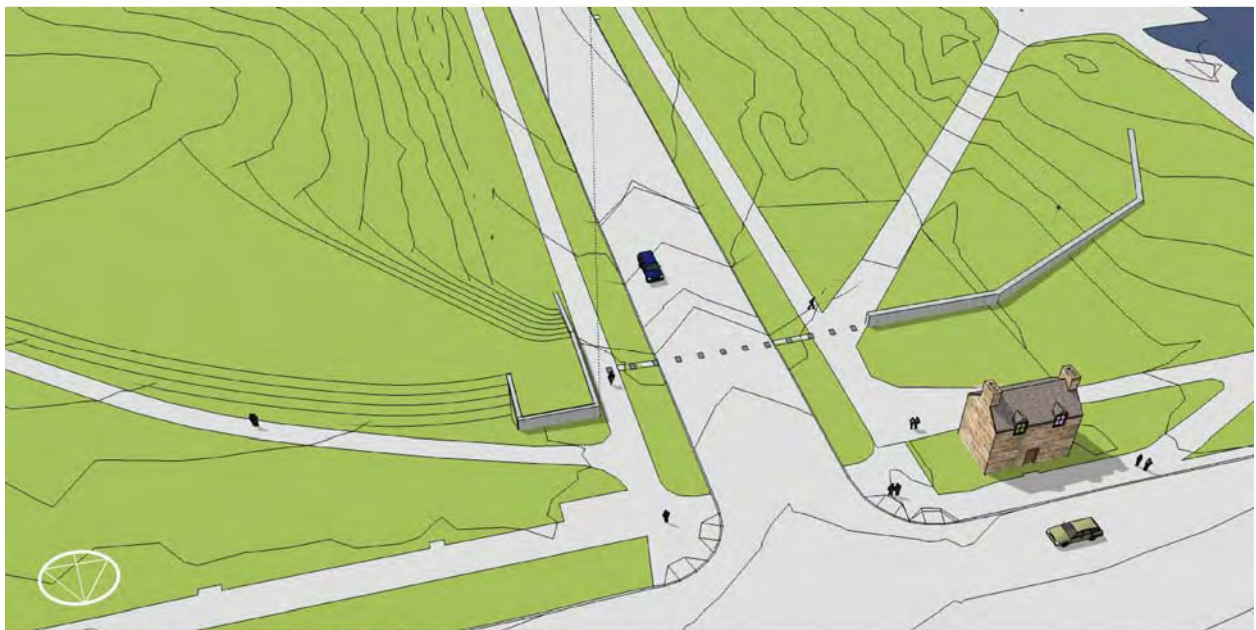
X Trees removed in Phase 1

The exact numbers and types of trees to be removed will be determined in the design phase. This graphic represents only a conceptual design estimate of trees removed.

Figure C.47 – 2B Gate Wall Perspectives, Phase I



Alternative 2B: Aerial Oblique - Phase I With Tree Canopy



Alternative 2B: Aerial Oblique - Phase I Without Tree Canopy

Figure C.48 – 2B Gate Wall Sections, Phase I



Figure C.49 – 2B Gate Wall View A, Phase 1



Alternative 2B: View A - Phase I

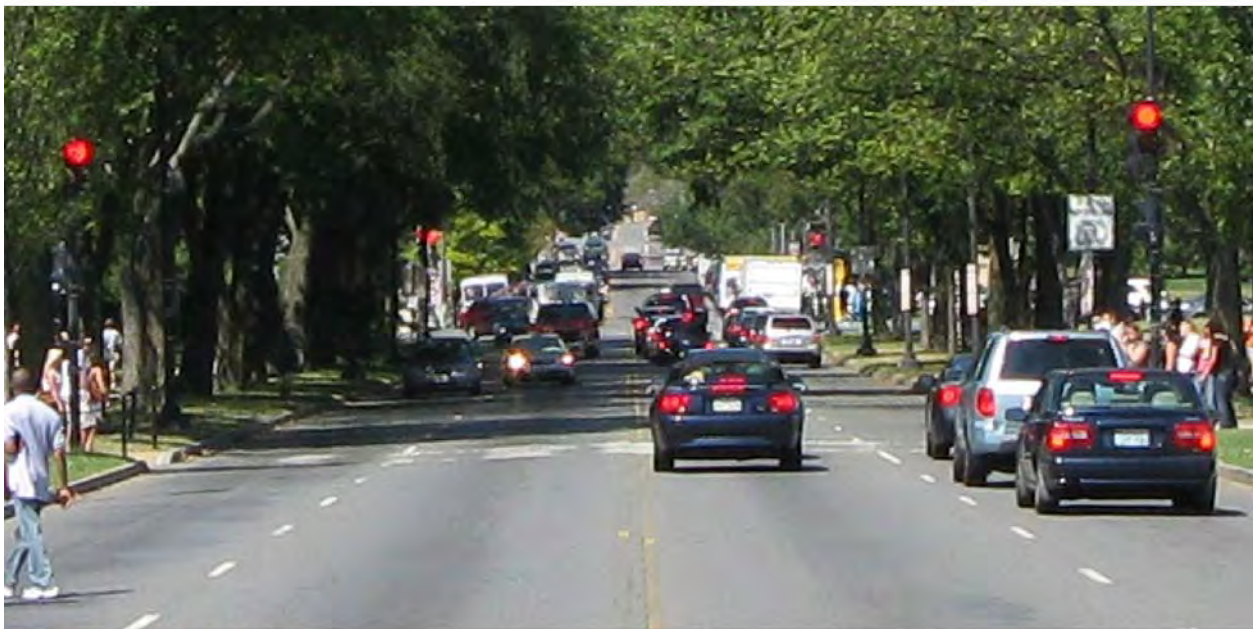


Alternative 2B: View A - Existing Conditions

Figure C.50 – 2B Gate Wall View B, Phase 1



Alternative 2B View B - Phase I



Alternative 2B: View B - Existing Conditions

Figure C.51 – 2B Gate Wall View C, Phase 1



Alternative 2B: View C - Phase I



Alternative 2B: View C - Existing Conditions

Figure C.52 – 2B Gate Wall View D, Phase 1



Alternative 2B: View D - Phase I



Alternative 2B: View D - Existing Conditions

Figure C.53 – 2B Gate Wall Site Plan 1, Phase 2

