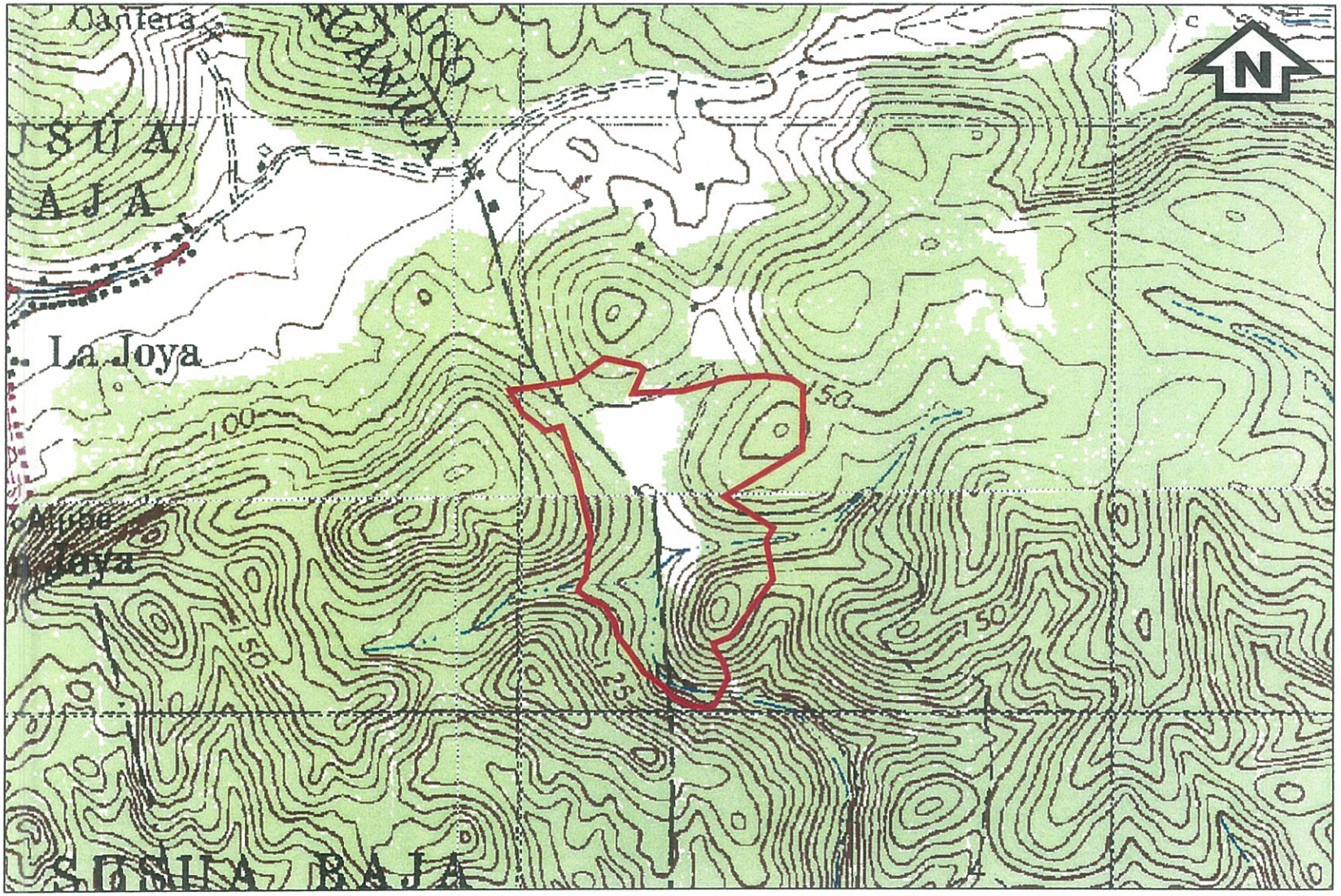


Figure 1. Project location on the USGS topographic maps of Punta Verraco and Yauco (scale 1:10,000).

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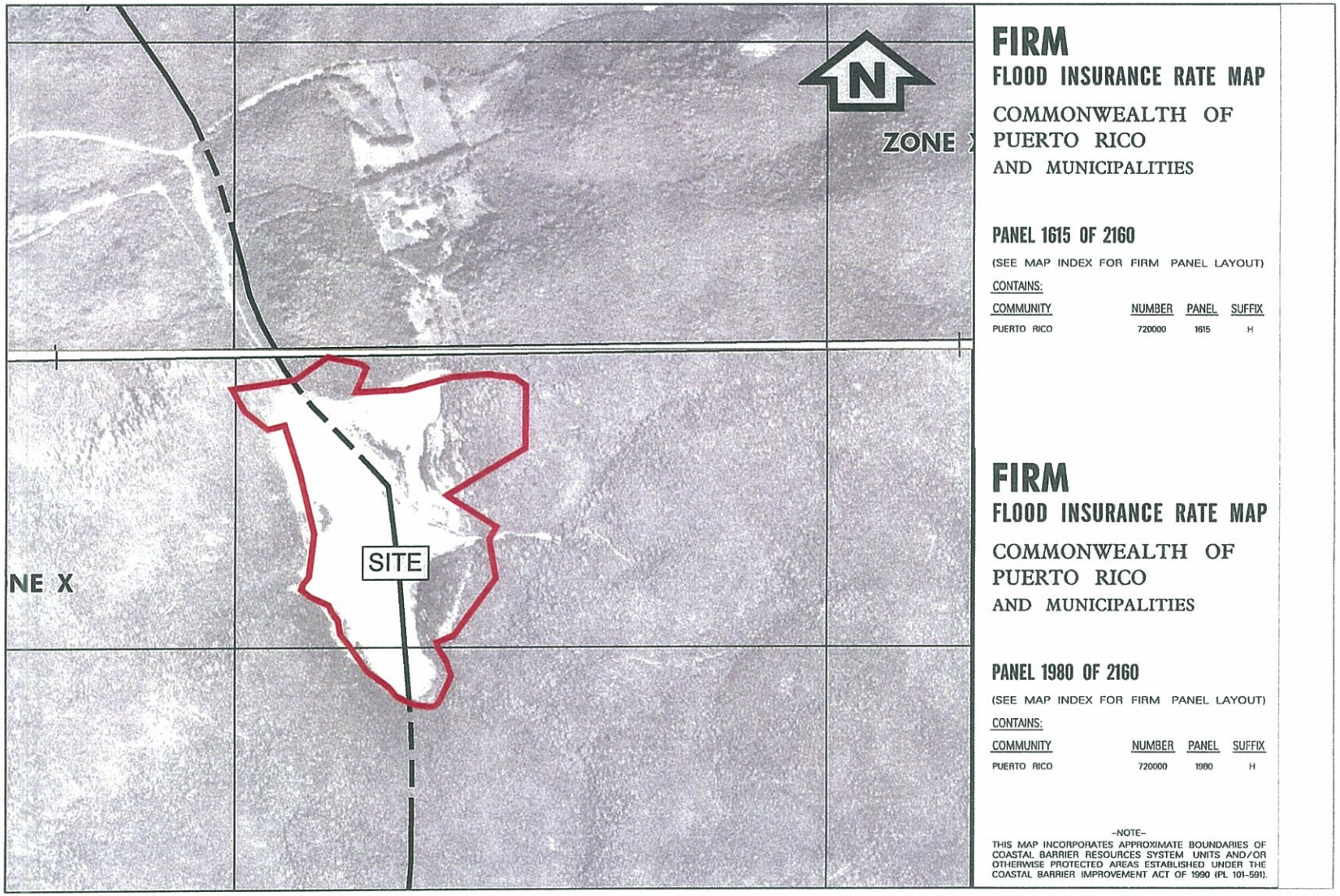


Figure 2. Project location on the partial copy of FEMA Flood Insurance Rate Maps No. 1615H and 1980H (scale 1:10,000).

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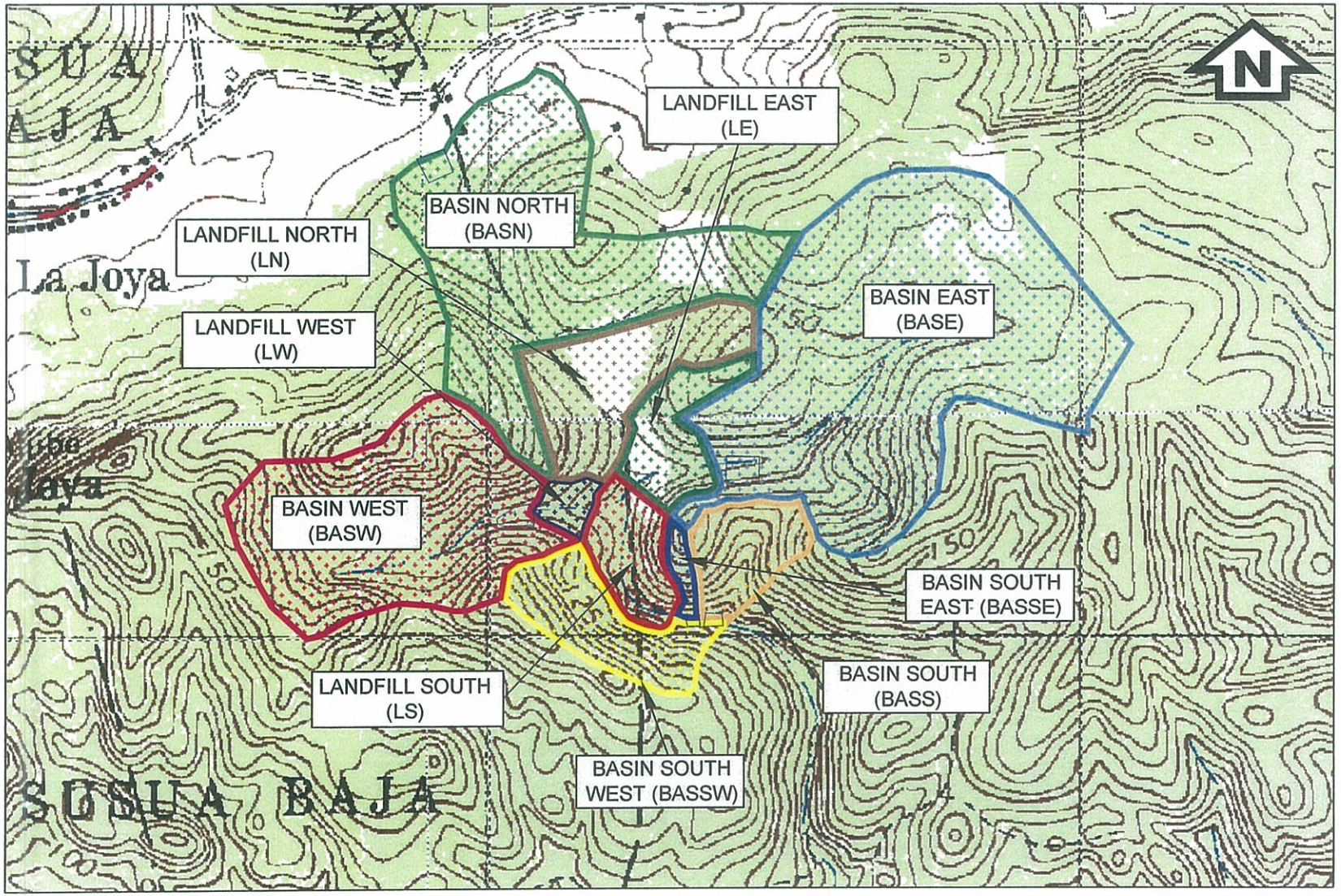


Figure 3. Drainage watershed limits for the existing condition (scale 1:10,000).

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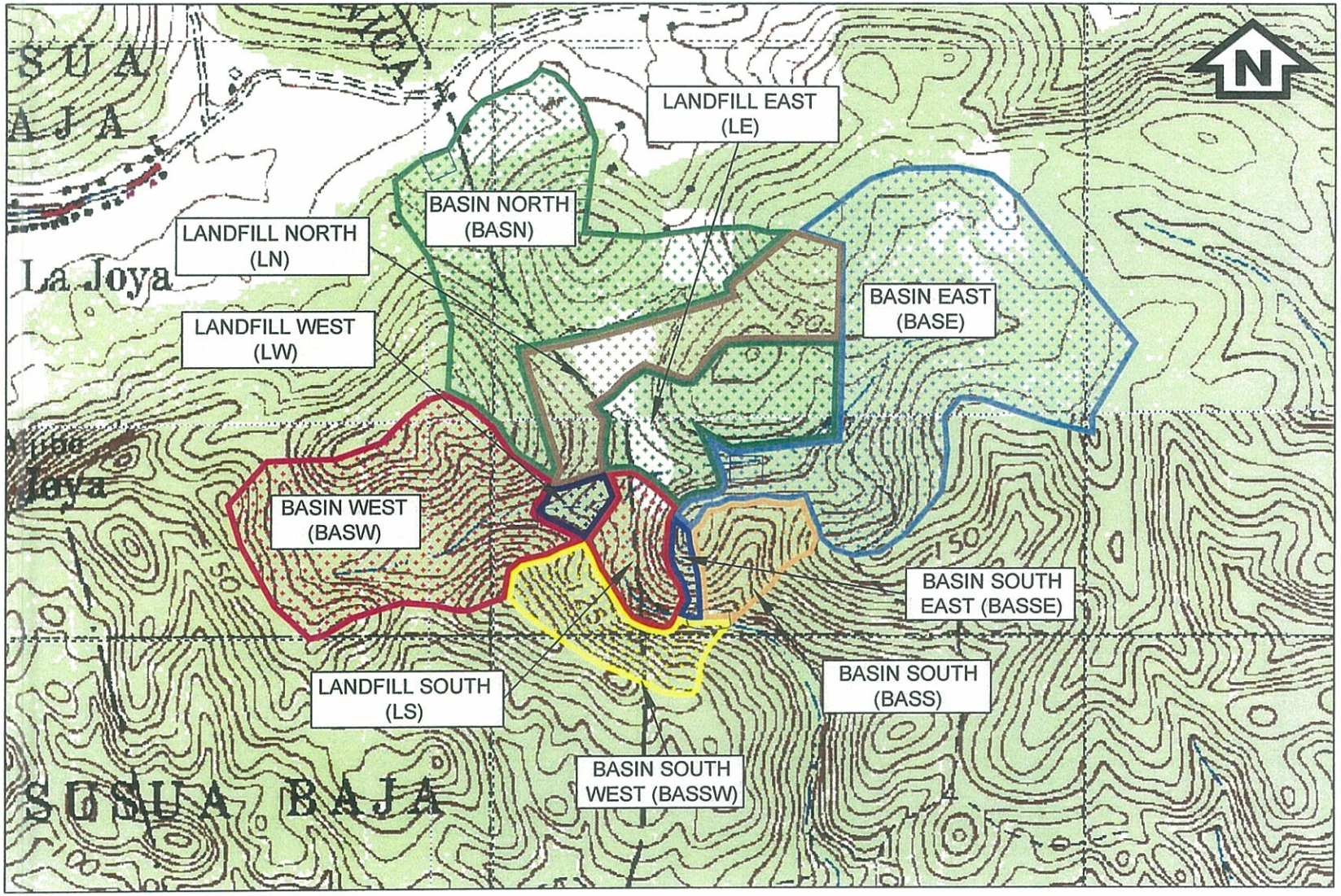


Figure 4. Drainage watershed limits for the proposed condition (scale 1:10,000).

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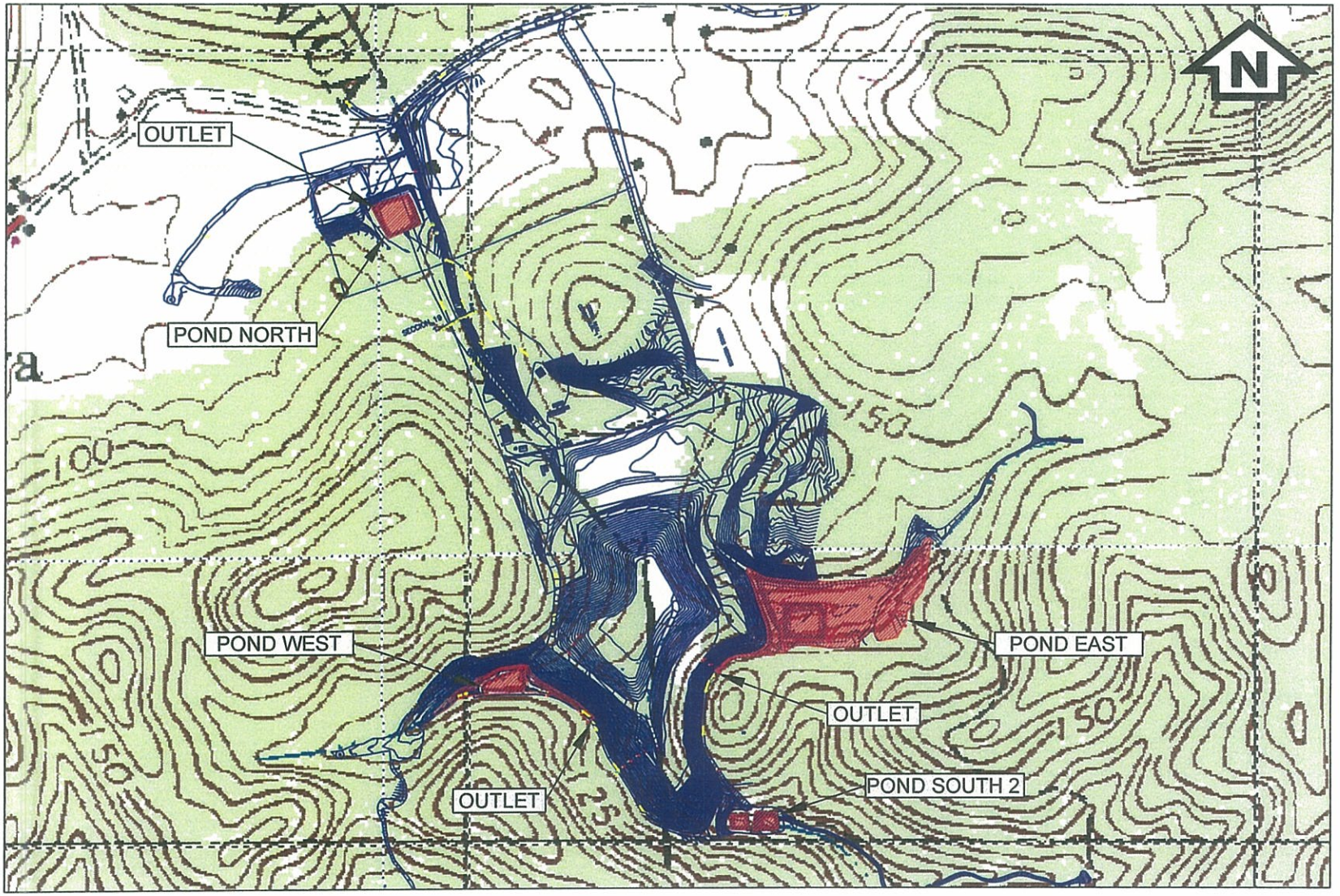


Figure 5. Existing retention ponds location (scale 1:10,000).

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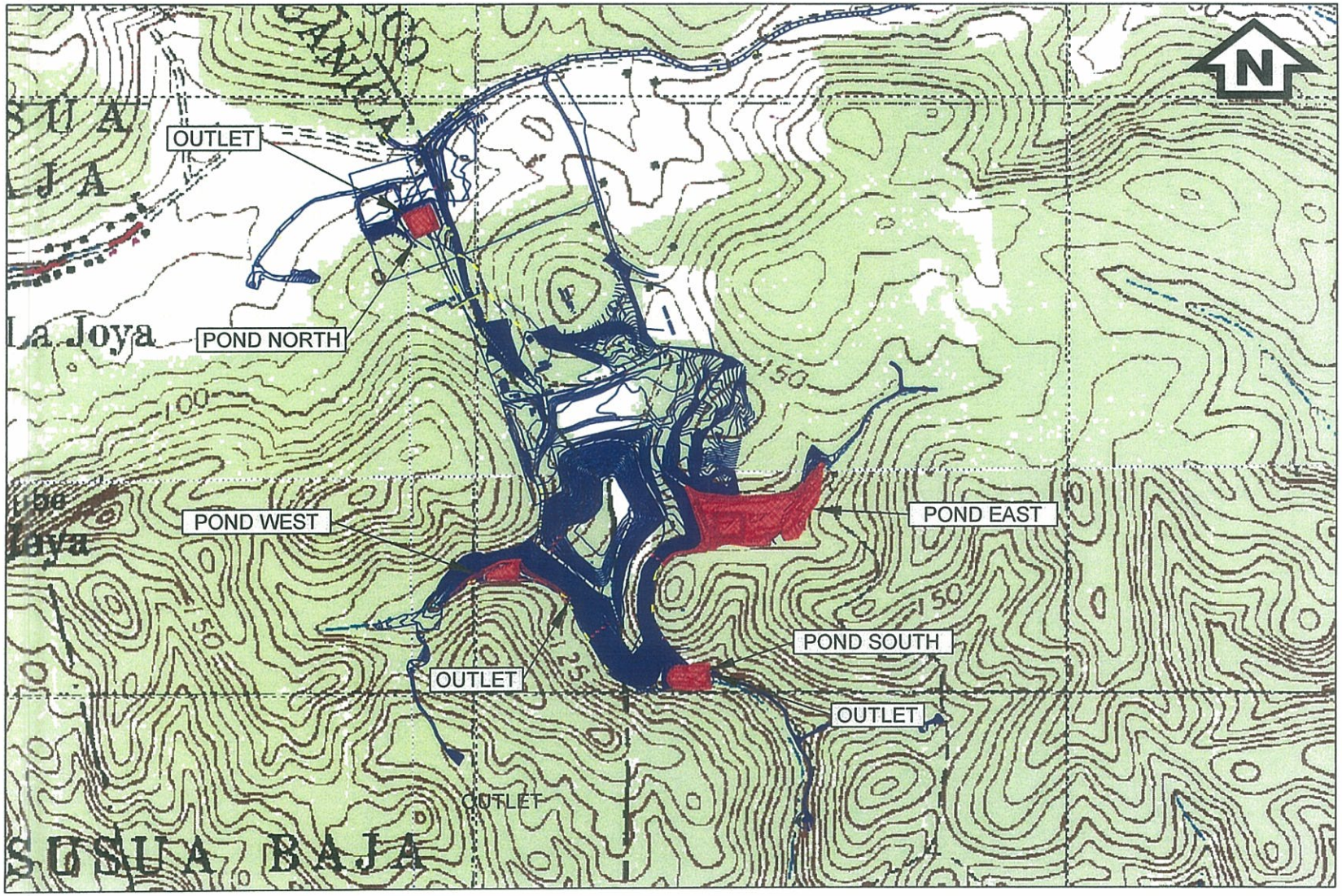


Figure 6. Proposed retention ponds location (scale 1:10,000).

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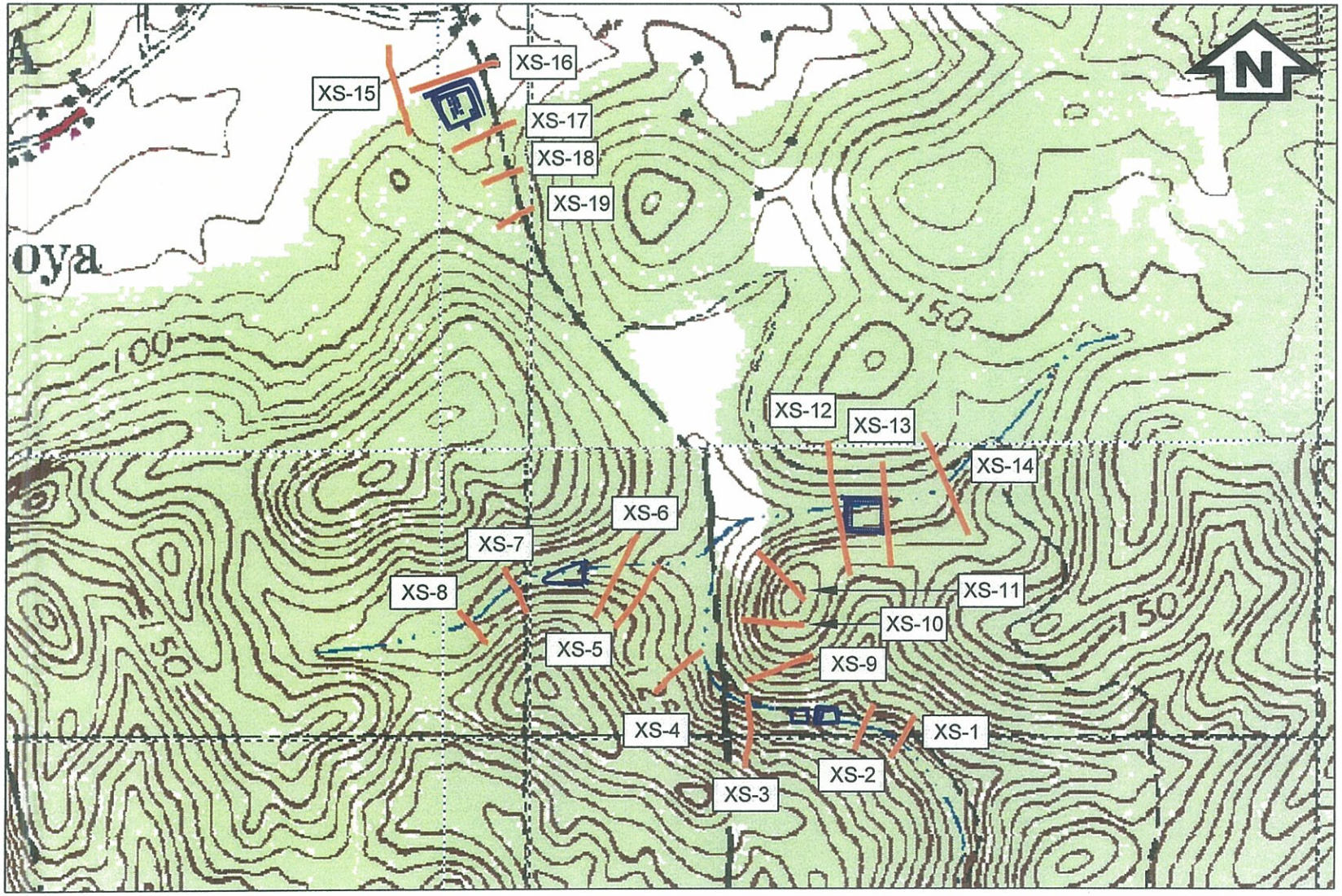


Figure 7. Cross sections location plan for the existing condition model (scale 1:7,500).

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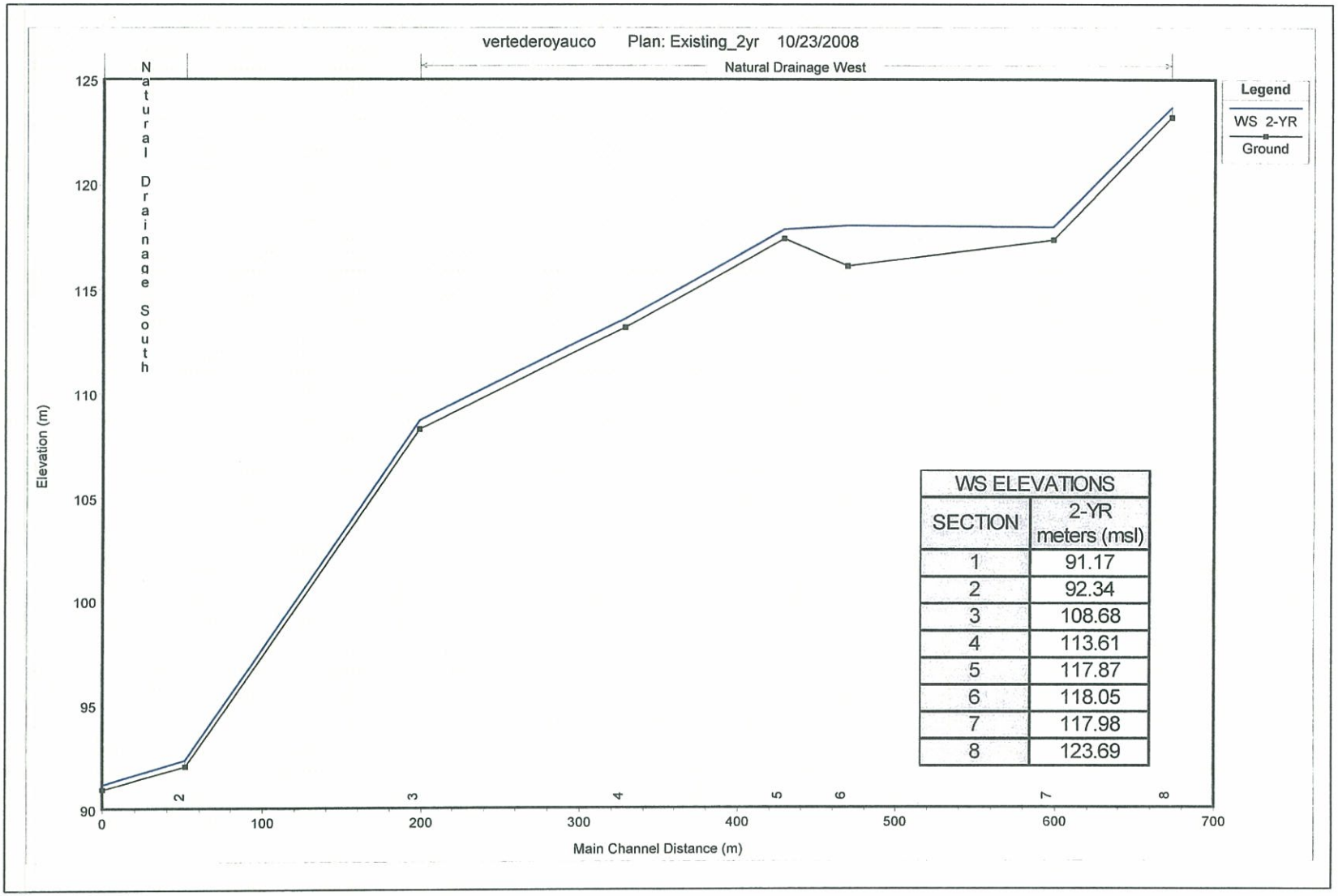


| WS ELEVATIONS | |
|---|---|
| SECTION | 2-YR meters (msl) |
| 1 | 91.17 |
| 2 | 92.34 |
| 3 | 108.68 |
| 4 | 113.61 |
| 5 | 117.87 |
| 6 | 118.05 |
| 7 | 117.98 |
| 8 | 123.69 |

Figure 8. Water surface profiles for the existing condition: 2-year flood event for Natural Drainage at sections 1, 2, 3, 4, 5, 6, 7 and, 8 (scale as shown).

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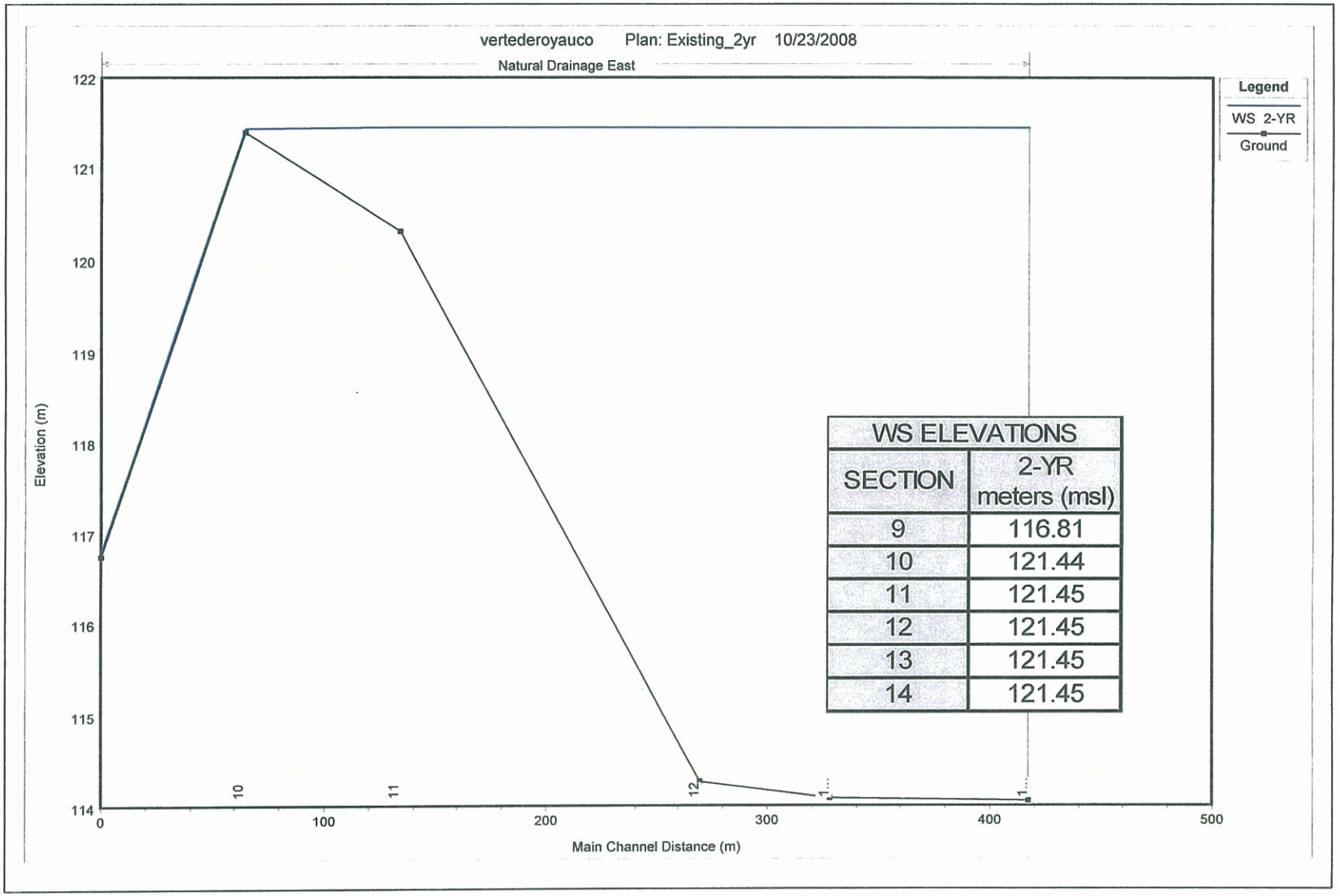


Figure 9. Water surface profiles for the existing condition: 2-year flood event for Natural Drainage at sections 9, 10, 11, 12, 13 and, 14 (scale as shown).

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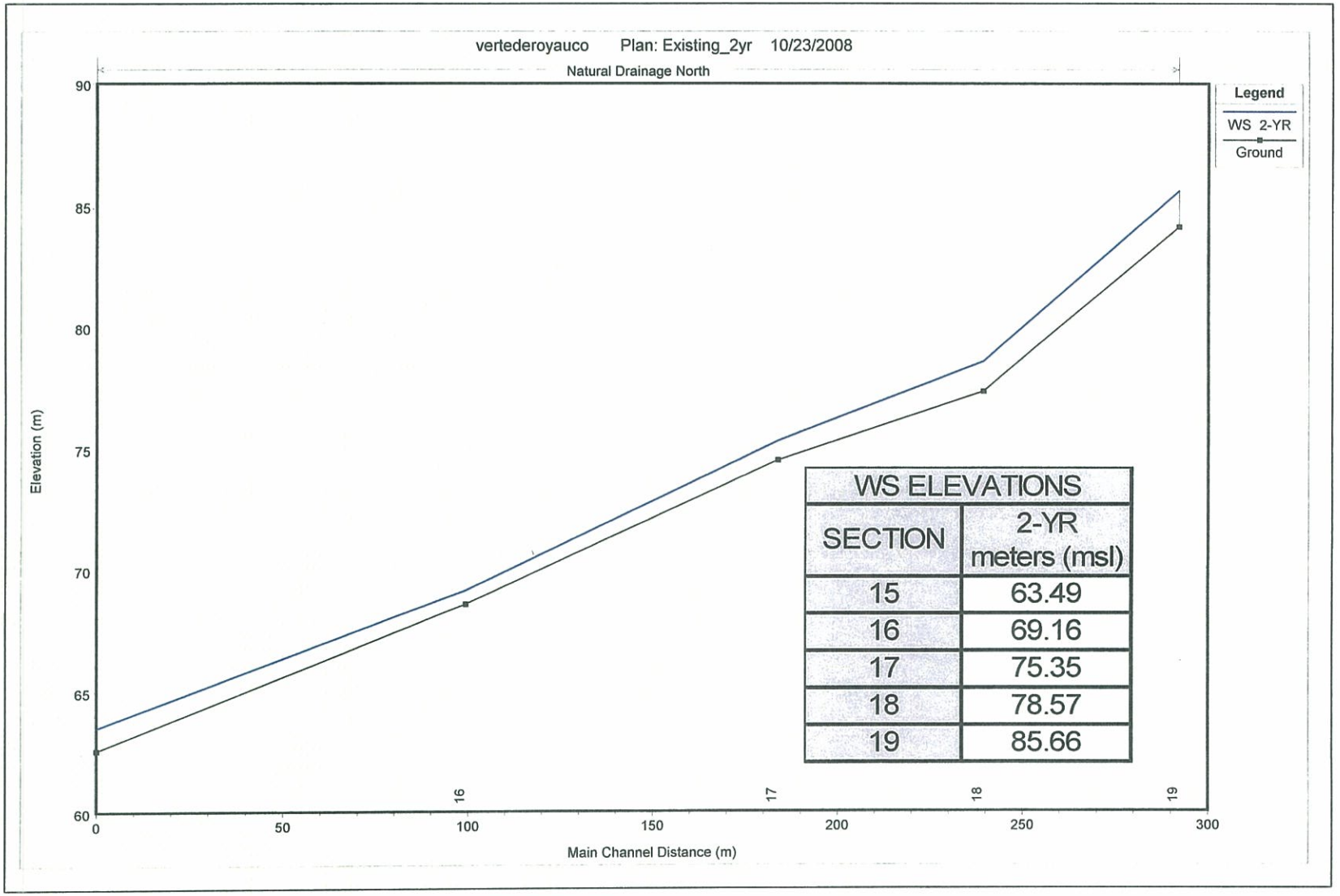


| WS ELEVATIONS | |
|---|---|
| SECTION | 2-YR meters (msl) |
| 15 | 63.49 |
| 16 | 69.16 |
| 17 | 75.35 |
| 18 | 78.57 |
| 19 | 85.66 |

Figure 10. Water surface profiles for the existing condition: 2-year flood event for Natural Drainage at sections 15, 16, 17, 18 and, 19 (scale as shown).

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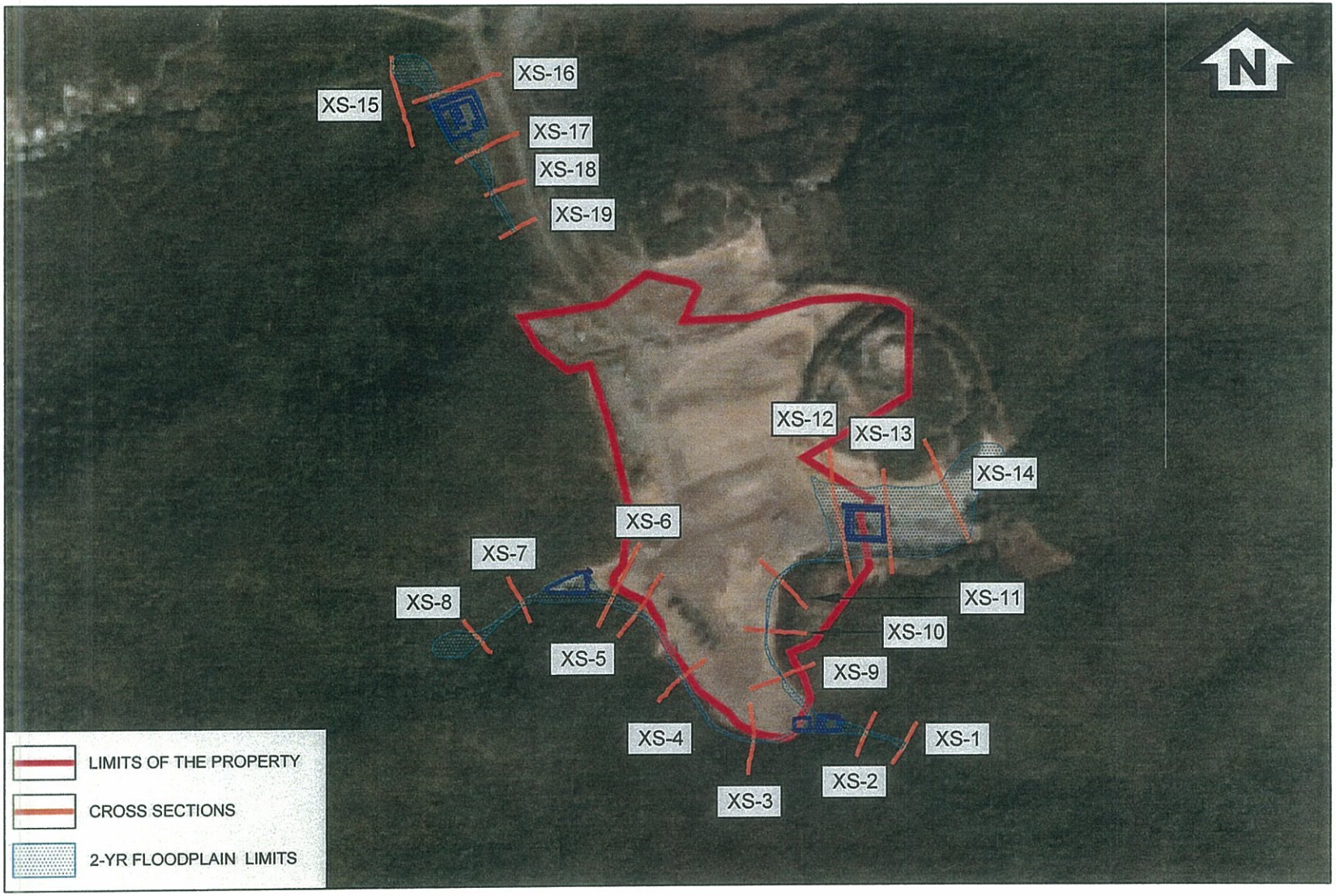


Figure 11. 2-year floodplain limits for the existing condition model (scale 1:7,500).

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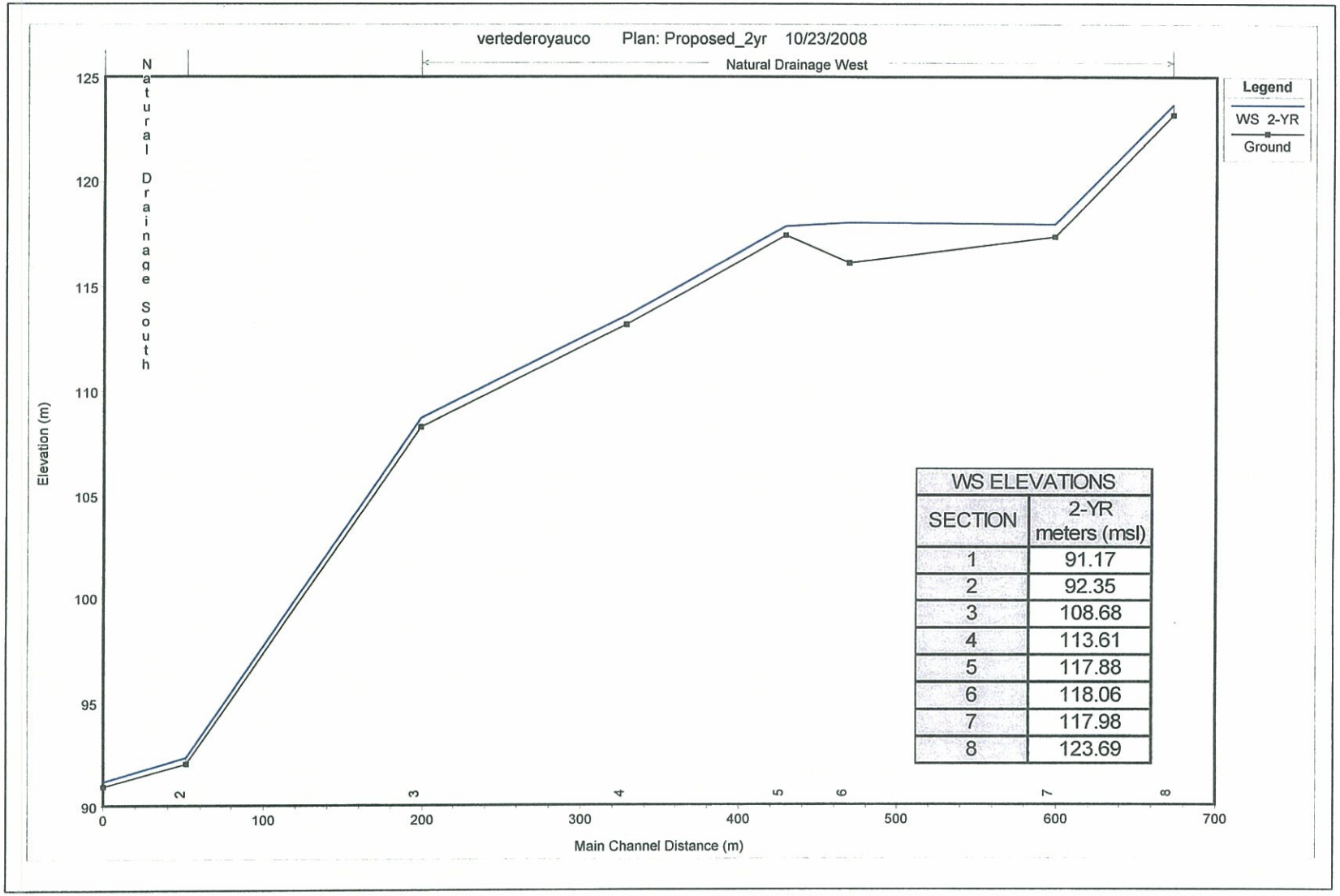


| WS ELEVATIONS | |
|---|---|
| SECTION | 2-YR meters (msl) |
| 1 | 91.17 |
| 2 | 92.35 |
| 3 | 108.68 |
| 4 | 113.61 |
| 5 | 117.88 |
| 6 | 118.06 |
| 7 | 117.98 |
| 8 | 123.69 |

Figure 12. Water surface profiles for the proposed condition: 2-year flood event for Natural Drainage at sections 1, 2, 3, 4, 5, 6, 7 and, 8 (scale as shown).

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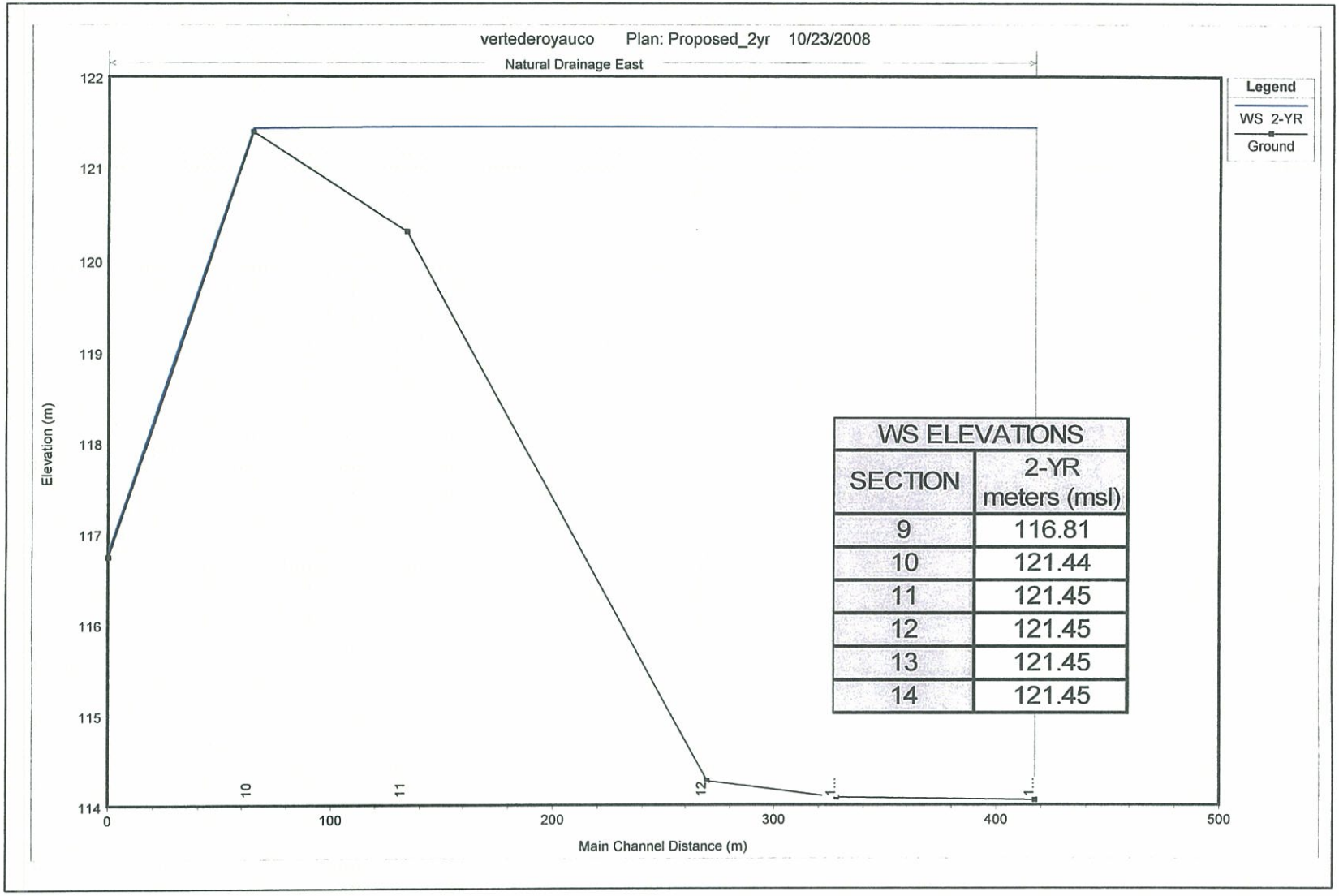


Figure 13. Water surface profiles for the proposed condition: 2-year flood event for Natural Drainage at sections 9, 10, 11, 12, 13 and, 14 (scale as shown).

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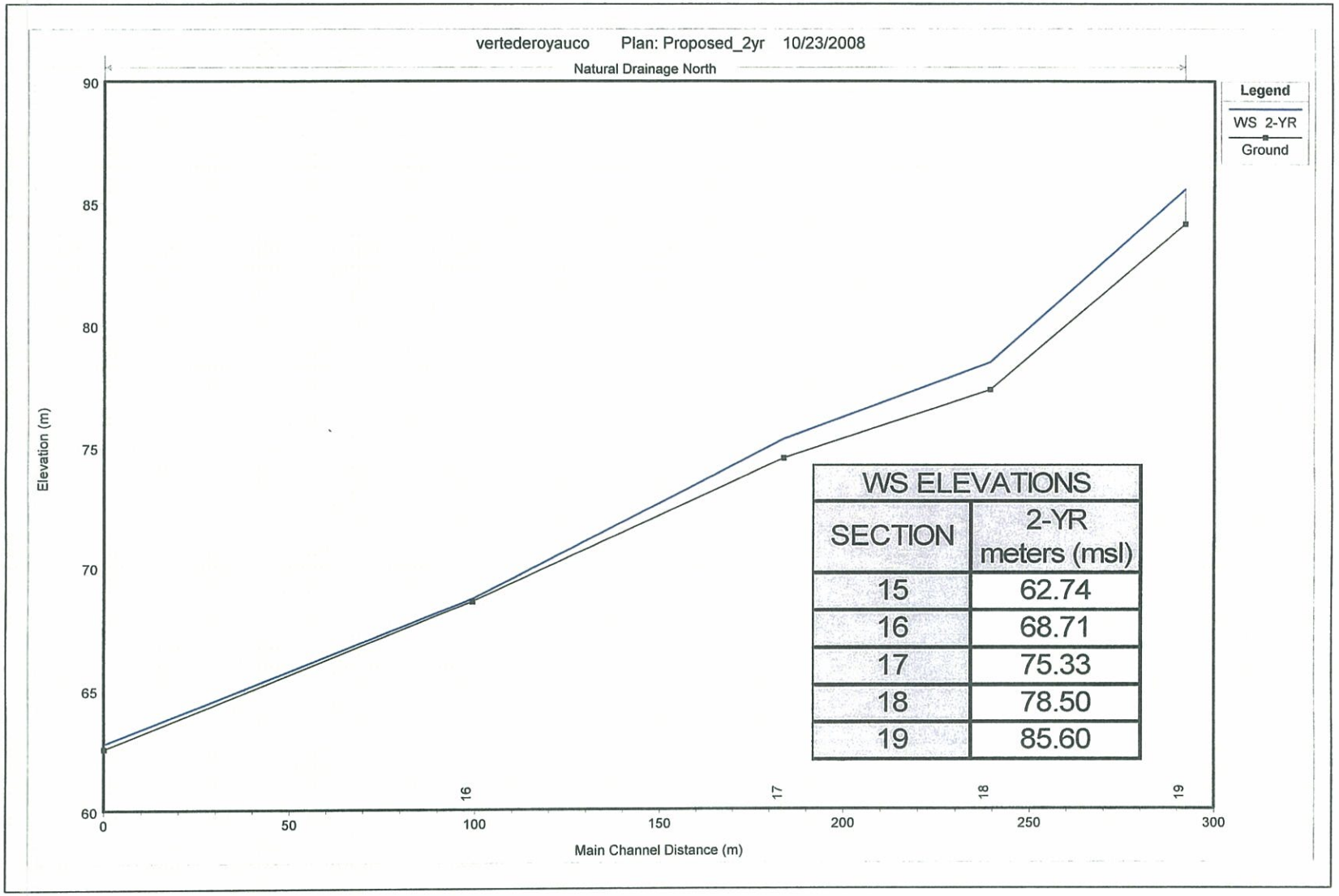


Figure 14. Water surface profiles for the proposed condition: 2-year flood event for Natural Drainage at sections 15, 16, 17, 18 and, 19 (scale as shown).

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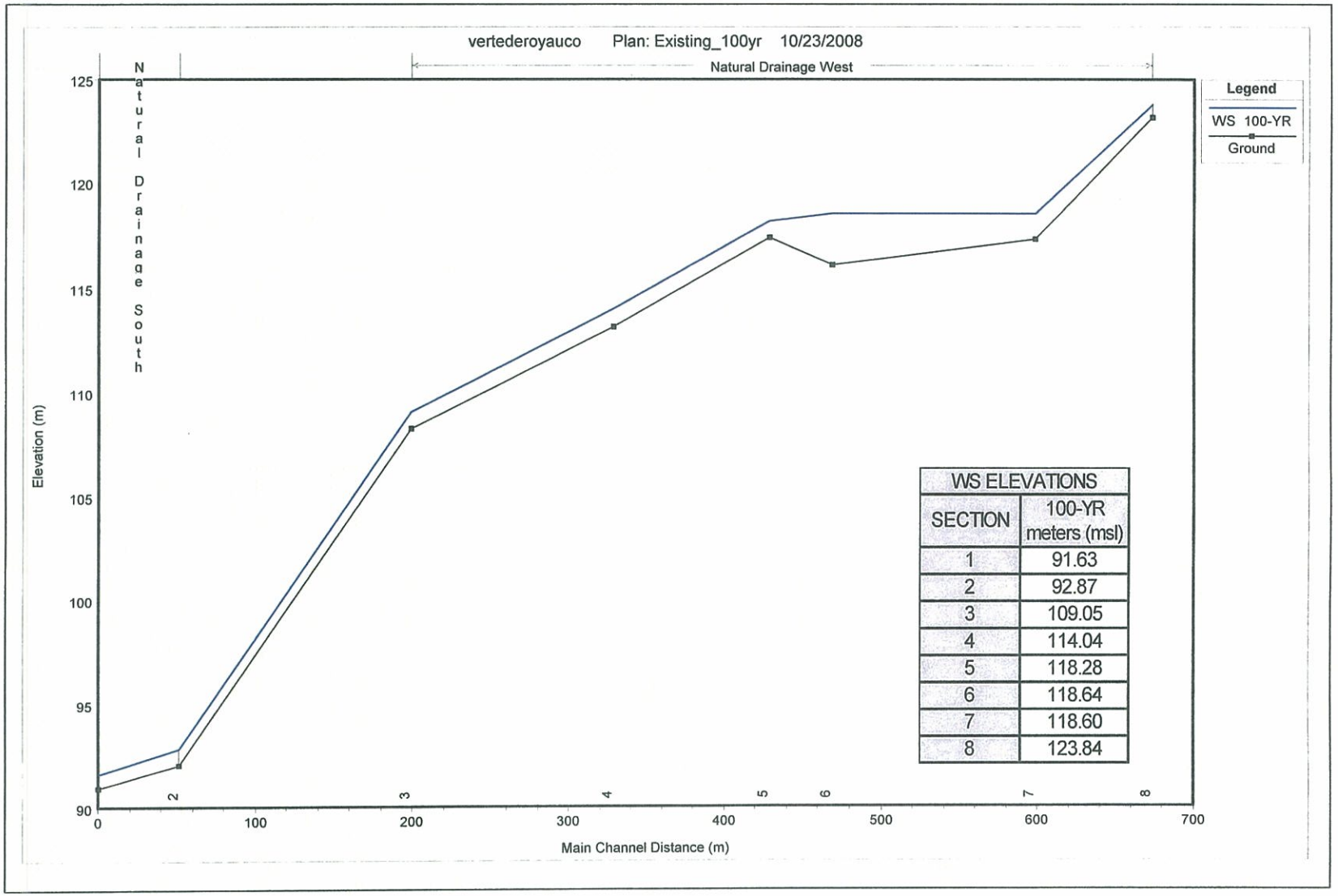


Figure 15. Water surface profiles for the existing condition: 100-year flood event for Natural Drainage at sections 1, 2, 3, 4, 5, 6, 7 and, 8 (scale as shown).

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