

High Knob Observation Tower

Errata – Drawings and Specifications

These notes supersede any conflicting information provided in the drawings or specifications.

1. Replace the word “Architect” with “Government” where found within the text of the specifications, attached reports and plans.
2. Omit select landings on non-sloping portions of the trail as indicated on Figure 1.
3. Provide 6 inch deep 1:3 (V:H) sloped grass lined ditch segments on cut slope side of the trail from the parking lot to the sundial entrance to prevent sheet flow runoff from washing out the trail while minimizing visual disturbance of the natural setting. The ditch shall not be continuous, but shall be in segments terminating at concrete “duck nest” drain basins (see Figure 2) that in turn drain into pipes crossing under the asphalt trail or into grated drain troughs in the aggregate concrete trail landings as indicated on Figure 1. Figure 1 is for reference only and final locations of the trenches and drain basins are subject to approval by the Government.
4. Provide a 12 inch wide grass covered shoulder on each side of trail where possible. Where the trail shoulder and ditch widths may prevent attainment of required slope of the bridge abutment mound or require excessive down slope fill, the shoulder width may be narrowed or deleted subject to approval by the Government.
4. Provide cross trail grated troughs at the front (upslope end) of indicated landings in the concrete aggregate portion of the trail. Trail landings and cross grate troughs shall be monolithic poured concrete units (see attached Figure 3). Apply an exposed aggregate surface on the trail landings identical to surface of concrete walk sections near the tower. Drainage grates shall be a removable type, bolted into a frame embedded into the concrete. Drainage grates shall comply with ADA standards such as East Jordan Iron Works V-7380 series or equivalent.
5. Provide a trapezoidal bed (2 ft wide entrance, 6 ft wide exit, 8 ft length and 1 ft depth embedded 10-12 inches into grade) of natural rounded stone rip-rap (5 - 10 inch diameter) as energy dissipaters at the outlet of each cross trail grate trough as indicated on Figure 1. The exit of all dissipaters shall be anchored with the largest stones to prevent rock loss. No stone bedded trapezoidal dissipaters shall be located on the portion of the trail between the tower and the sundial.
6. Correct Drawing C-101 to move the construction entrance from crossing over the parking lot stairs to the right to cross over the parking lot wall between the existing stairs and the new ADA ramp. The construction entrance shall include a gravel ramp on the parking lot to allow

vehicles to drive up to and over the parking lot stone wall without damaging to reach the higher grade outside the wall.

7. Temporary silt fencing shall comply with applicable sections of the Virginia Erosion and Sediment Control Handbook.

8. Drawing sheet C-101 revise note to read: All construction and materials must conform to all applicable sections of the latest edition of the VDOT Road and Bridge Standards and Specifications and the Virginia Erosion and Sediment Control Handbook.

9. Drawing sheets L-401 and L-501 clarification: Handicap parking spaces shall be painted on the existing parking lot asphalt surface. The parking spaces and transition to the walkway shall be stable surfaces comply with ADA Standards. The parking lot spaces shall be painted with dimensions as indicated in Sheet L-501 Detail A10. The parking lot spaces shall be painted oriented with the access aisle nearest the walkways as indicated on Sheet L-401 Detail D-4. Note: These spaces as marked meet and exceed the ADA requirements for van accessible parking per the section 502.2 exception allowing a minimum 96" wide parking space where the access aisle is a minimum of 96 inches wide.

10. Drawing Sheet L-501: Compaction of asphalt surface shall be by rolling. Monitor compaction with nuclear density gauges. Compact the asphalt pavement to a specific gravity no less than 92% of the maximum specific gravity determined by AASHTO T-209. Along curbs, headers, walls and other places not accessible to rollers use alternate equipment to obtain the required compaction.

11. Drawing Sheet L-501: Detail D-10 5" concrete walk shall be 4,000 psi, not 3,500 psi as shown to match the specifications.

12. Drawing A-301 Detail 8: An additional detail drawing indicating the specific text and symbols to be placed on the face of the commemorative plaque will be provided at a later date. The contractor shall fabricate and install the commemorative plaque as part of the construction of the tower. The contractor shall fabricate the plaque to have an antiqued bronze plated finish. The contractor may expect the plaque to include the US Forest Service symbol and the words HIGH KNOB OBSERVATION TOWER and 2012 as a minimum. Additional lines of text and/or symbols may also be included in the final detail drawing at no additional cost to the government. The commemorative plaque shall be attached to the metal frame with special tool type removable tamper-proof fasteners with a matching antiqued bronze patina.

13. Install foundation drainage system around tower and bridge abutment foundations as described in the specification 02300 Earthwork Section 3.15

14. The recommendations of the Geotechnical Subsurface Exploration Report are incorporated into the specifications and contract requirements. The Geotechnical Subsurface Exploration Report is attached to the specifications section of the solicitation.

15. The Erosion and Sediment Control Plan is incorporated into the specifications and contract requirements. The Erosion and Sediment Control Plan is attached to the specifications section of the solicitation.

16. Add to Specification 01100 Summary Section 1.3 Use of Premises the following sentences: "Contractor may use the parking lot for the storage of equipment and materials. Two adjacent parking lot spaces shall remain accessible from the parking lot entrance and shall be reserved for government use. Movable sawhorse or rope type barricades signed or marked "Reserved For Government Use" shall be placed across the reserved parking spaces."

17. Correct the Specification 01320 Construction Progress Documentation Section 1.3 A Submittals Schedule: sentence "Submit three copies of schedule." to read "Submit three copies of the submittal schedule within 14 days of the date established for the Notice to Proceed."

18. Correct the Specification 01320 Construction Progress Documentation Section 1.3 B Contractor's Construction Schedule: sentence "Submit two printed copies of baseline CPM schedule large enough to show entire schedule for entire construction period." to read "Submit two printed copies of baseline CPM schedule large enough to show all major construction activities for the entire construction period, indicating which activities are also desired progress payment milestones, and showing all significant construction activities for the first 60 days of construction. Submit this baseline CPM schedule within 14 days of the date established for the Notice to Proceed."

19. Correct the Specification 01320 Construction Progress Documentation Section 1.3 B Contractor's Construction Schedule: sentence "Submit updated schedule weekly." to read "Submit updated schedule every two weeks."

20. Correct the Specification 01320 Construction Progress Documentation Section 2.3 B Contractor's Construction Schedule: sentence "Include skeleton diagram for the remainder of the work and a cash requirement prediction based on indicated activities." to read "Include skeleton diagram of major construction activities, indicating which activities are also progress payment milestones, for the remainder of the work."

21. Add the following sentence to Specification 01400 Quality Requirements Section 1.6 B 1. Of Quality Control: "Submit the Quality Control Plan within 14 days of the date established for the Notice to Proceed."

22. Replace paragraph C of Specification 02230 Site Clearing and Preparation Section 3.2 Tree Protection with: "Where excavation for new construction is required within the drip lines of trees, cleanly cut roots and as close to the excavation as possible using hand tools. Do not use excavation equipment to rip through tree roots."

23. Correct the Specification 02300 Earthwork Section 3.15 Subsurface Drainage paragraph A Drainage Piping to read "Drainage pipe, conduit, fittings and couplings shall be perforated and smooth PVC complying with ASTM D2729 and ASTM D4216. Pipe size shall be 8 inches."

24. Correct the Specification 02300 Earthwork Section 3.16 Drainage Course as follows:
Remove the words "Under slab-on-grade" from paragraph A.

Add a paragraph C. as follows:

"C. For foundation drainage of the tower and bridge abutment, place drainage course on prepared subgrade adjacent the outside perimeter of footers as follows:

1. Lay perforated pipe with perforations down, piping pitched down in direction of flow, at a minimum slope of 0.5 percent.
2. Where the footer is under the concrete exposed aggregate walk, backfill from the 12 inch filter material up to the base course of the walk with drainage backfill material."

25. Correct the Specification 03300 Cast in Place Concrete Section 2.11 Concrete Mixing Paragraph A Number 1. by replacing the words "when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes." With "do not pour Ready-Mixed Concrete when the air temperature is above 90 deg F at the site."

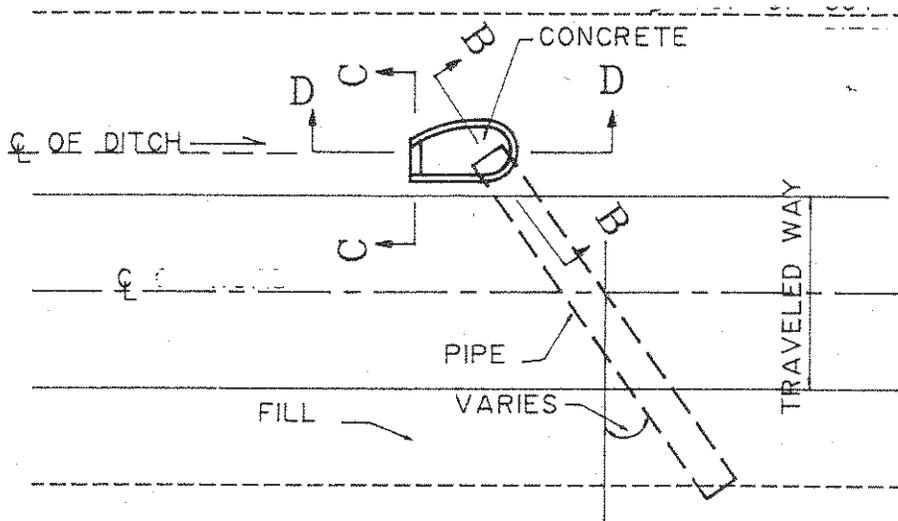
26. Add to Specification 03300 Cast in Place Concrete Section 3.7 Concrete Placement paragraph A as follows:

"2. The delivery of mixed concrete must be regulated so that placement will go at a continuous rate. The intervals between batch delivery must not be so long that in place concrete can partially harden. In no case should the interval exceed 30 minutes."

27. Correct the Specification 03300 Cast in Place Concrete Section 3.13 Field Quality Control Paragraph C Number 4. by eliminating the words "Testing Frequency: Obtain at least one composite sample for each 100 cu yd or fraction thereof of each concrete mixture placed each day." And eliminate the character "a." moving the test that follows the "a." up to replace the removed text after the number 4.

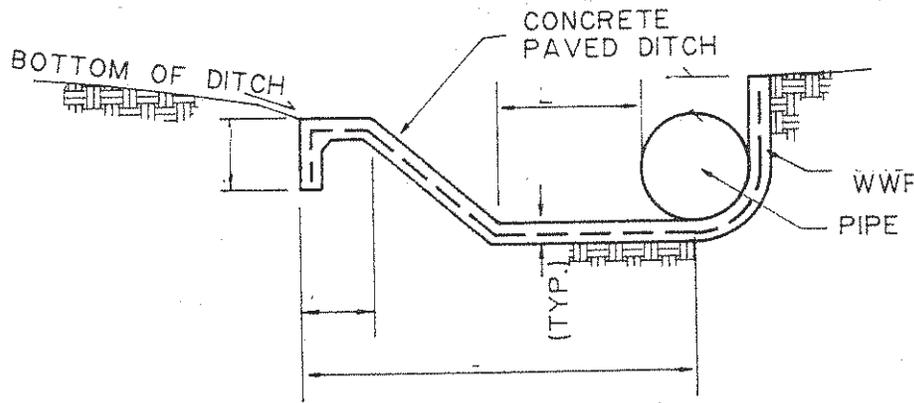
28. Correct Specification 03351 Exposed Aggregate Concrete Section 3.4 Placing Concrete Paragraph A Field Inspection Item 1. by replacing the time of 60 minutes after the Above 90 degrees with the words "Do Not Place Concrete"

29. Correct Specification 03351 Exposed Aggregate Concrete Section 3.7 Concrete Truck Discharge Paragraph A Excess Concrete by replacing the words "to site approved by Government." with the words "as waste material."



SINGLE INLET DUCKS NEST

N.T.S.



SECTION D-D

N.T.S.

Figure 2

**TRENCH GRATE
ADA GRATE AND FRAME**

V-7380 ADA TRENCH GRATE & FRAME SERIES

ADA Compliant, Heavy duty

Available bolted or unbolted (standard)

Designed with 3/8" slot openings

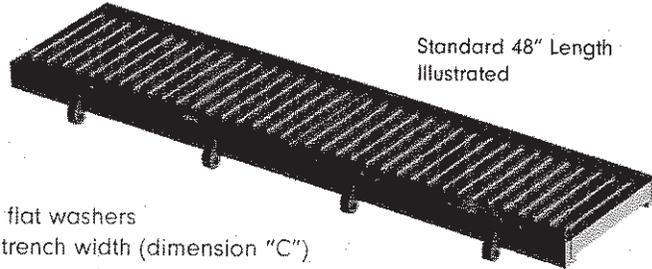
Standard trench grates are furnished in
23 7/8" lengths

Frames are available in 24", 36" and 48" lengths

Bolted trench grate units are assembled in 24"

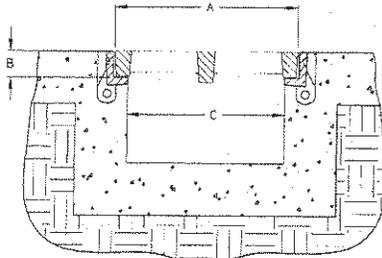
sections using stainless steel 5/8" hex bolts and flat washers

Specify trench length and part number of desired trench width (dimension "C")



Standard 48" Length
Illustrated

CAUTION: DO NOT DISASSEMBLE BOLTED GRATES-BEFORE SETTING FRAME/GRATE SECTIONS IN CONCRETE.



V-7380 & V-7390

| Catalog Number | A Grate Width | B Seat Depth | C Trench Width | Open Area Sq. In/Ft | Specify Trench Frame |
|-------------------------------------|------------------|-----------------|-------------------|------------------------|-------------------------|
| V-7380 ADA | | | | | |
| V-7381 | 8 | 1-1/2 | 6 | 21 | |
| V-7382 | 10 | 1-1/2 | 8 | 28 | 6950 |
| V-7383 | 12 | 1-1/2 | 10 | 29 | |
| V-7384 | 14 | 2 | 12 | 39 | |
| V-7385 | 17 | 2 | 15 | 48 | 6900 |
| V-7386 | 20 | 2 | 18 | 58 | |
| V-7380 ADA Bolted Assemblies | | | | | |
| V-7381-20 | 9 | 1-1/2 | 6 | 21 | |
| V-7382-20 | 11 | 1-1/2 | 8 | 28 | |
| V-7383-20 | 13 | 1-1/2 | 10 | 32 | |
| V-7384-20 | 15 | 2 | 12 | 36 | |
| V-7385-20 | 18 | 2 | 15 | 48 | |
| V-7386-20 | 21 | 2 | 18 | 58 | |

Note: All dimensions are in inches.

Figure 3

