1. Select concrete A-100 type material from AASHTO specification M-107 placed in 1"-12" layer on subgrade and compacted to 95% of maximum density. Surface moisture and maximum moisture shall be determined by AASHTO T191. 

2. No part of the backfill shall be compacted to a relative compaction of not less than 95%, as per AASHTO T19 test method B 1-100. Complete and maintain proper records of the compaction of the embankment fill. 

3. The construction zone shall be at least 5 feet wide and 5 feet deep. 

4. The concrete pipe shall carry a minimum of 5 feet of the pipe over the outside of the pipe and shall be carried a minimum of 5 feet of the pipe over the outside of the pipe. 

5. The manufacturer of the structural plate plate shall provide certification of all structural calculations and tests and of the manufacturer's qualifications. 

6. The backfill shall be compacted at the request and direction of the manufacturer's representative. 

7. The material used in the fill at the time of compaction shall have a moisture content that is within the range of 0 to 10%. 

8. The installation of all components shall be performed by the manufacturer's representative or an approved engineer. 

9. The installation of all components shall be performed by the manufacturer's representative or an approved engineer. 

10. The installation of all components shall be performed by the manufacturer's representative or an approved engineer. 

11. The installation of all components shall be performed by the manufacturer's representative or an approved engineer. 

12. The installation of all components shall be performed by the manufacturer's representative or an approved engineer. 

13. The installation of all components shall be performed by the manufacturer's representative or an approved engineer. 

14. The installation of all components shall be performed by the manufacturer's representative or an approved engineer.