



NY-ENG-US362_1-2
 April 2003
 May 2005

CONSTRUCTION SPECIFICATIONS AND NOTES

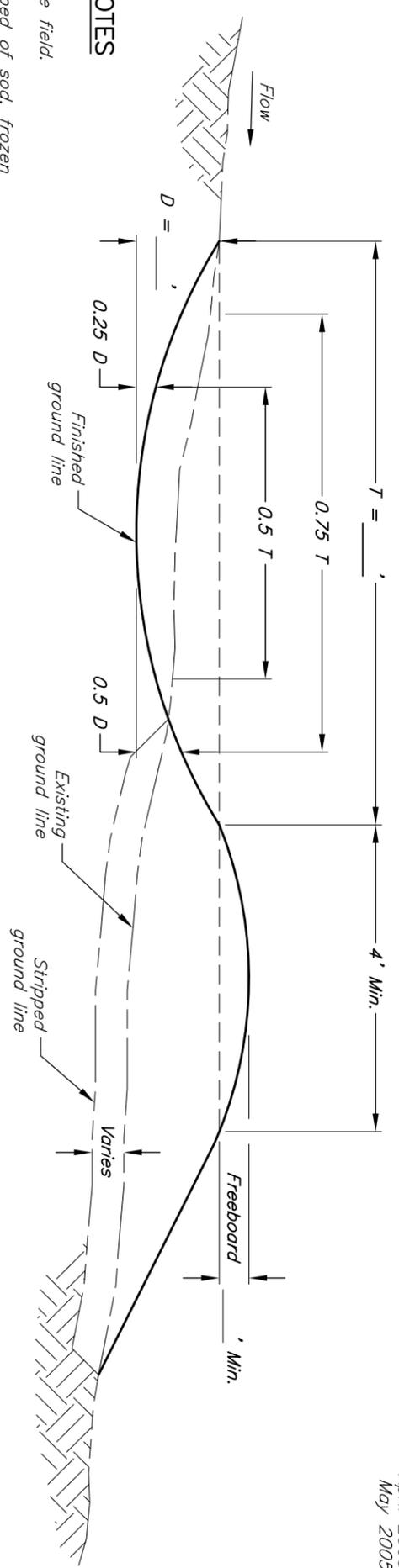
1. The diversion shall be constructed at the location marked in the field.
2. The base area of the diversion and ridge section shall be stripped of sod, frozen material, brush, roots, stones over (6) inches in diameter, or other objectionable material. All objectionable material shall be legally disposed of so it will not interfere with the proper functioning of the diversion and outlet.
3. Topsoil shall be removed, stockpiled, and replaced on the diversion after construction.
4. Fill shall not be placed on frozen surface. Fill shall be placed in uniform layers not to exceed (9) inches prior to compaction. The moisture content of the fill shall be sufficient to obtain firm compaction. Compaction shall be accomplished by the routing of construction equipment over the fill such that the entire surface of each layer will be traversed by not less than (1) track of the construction equipment.
5. All earth excavated and not needed in the construction of the diversion shall be spread adjacent to the diversion or shall be disposed of so that it will not interfere with proper functioning of the diversion. All spoil and disposal areas shall be graded smooth and shall be free draining.
6. Apply fertilizer at the following rate:

Nitrogen	30 Lbs./Ac.	_____ Lbs. total
Phosphorus	60 Lbs./Ac.	_____ Lbs. total
Potassium	60 Lbs./Ac.	_____ Lbs. total

Unless otherwise specified, apply seed at the following rates:

Kentucky Bluegrass (Baron or Banff)	15 Lbs./Ac.	_____ Lbs. total
Creeping Red Fescue (Ensyiva or Flyer)	15 Lbs./Ac.	_____ Lbs. total
Redtop (Streaker or Barracuda)	3 Lbs./Ac.	_____ Lbs. total
Perennial Ryegrass (Pennfine or Pinnacle)	3 Lbs./Ac.	_____ Lbs. total
White clover (common)	2 Lbs./Ac.	_____ Lbs. total

7. An alternative seeding mixture may be applied when authorized by an approving official.
8. Apply a mulch of straw or hay at a rate of (2) Tons/Ac.



TYPICAL PARABOLIC CROSS-SECTION

PLAN VIEW
 NOT TO SCALE

B.M. Elev. _____
 B.M. Desc. _____

Designed	_____	Date	_____
Drawn	_____		_____
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

**DIVERSION — 362
 PARABOLIC**



Natural Resources Conservation Service

NRCS Drawing Name _____
 NRCS Project ID _____
 Sheet _____ of _____

DESIGN RECORD

Station	_____ to _____				
Length					
Grade %					
Top width (T)					
Depth (D)					
Peak discharge (CFS)					
Velocity (V)					
* Normal depth (capacity)					

ALTERNATE SIZE

Top width (T)					
Depth (D)					

Soil type(s) _____ Permissible velocity (V₁) _____ ft/sec

Retardance _____ D _____ for velocity Retardance _____ for capacity

* Optional – for use with NEH-5 computer program

Type of outlet (describe) _____

Engineering survey notes attached? Yes []

Notes

Layout by: _____

Date: _____

PERFORMANCE RECORD (As Built)

Station	_____ to _____				
Constructed length					
Constructed grade %					
Minimum constructed top width					
Minimum constructed depth					
Constructed capacity (CFS)					
Constructed velocity					
* Normal depth (capacity)					

Layout Sketch (if not on engineering notes)

Check notes attached? Yes [] Seeding established? Yes []

Quantities checked by: _____ Date: _____

I hereby certify that this practice complies with the plans and specifications established for this job, with the following exceptions:

Performance checker: _____

Date: _____

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Date _____
Designed _____
Drawn _____
Checked _____
Approved _____
Title _____

**DIVERSION – 362
PARABOLIC**



NRCS Drawing Name _____
NRCS Project ID _____
Sheet _____ of _____