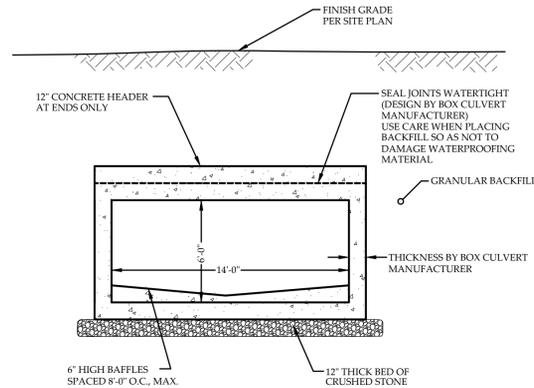


**BOX CULVERT PLAN VIEW DETAIL**

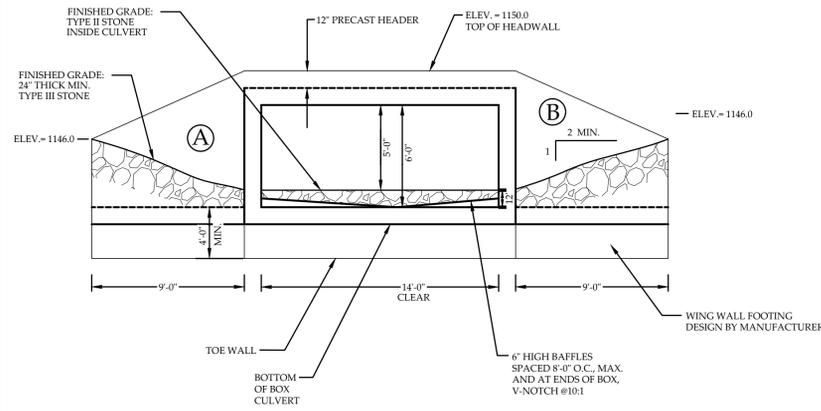
SCALE: 1" = 10'



**TYPICAL BOX CULVERT SECTION**

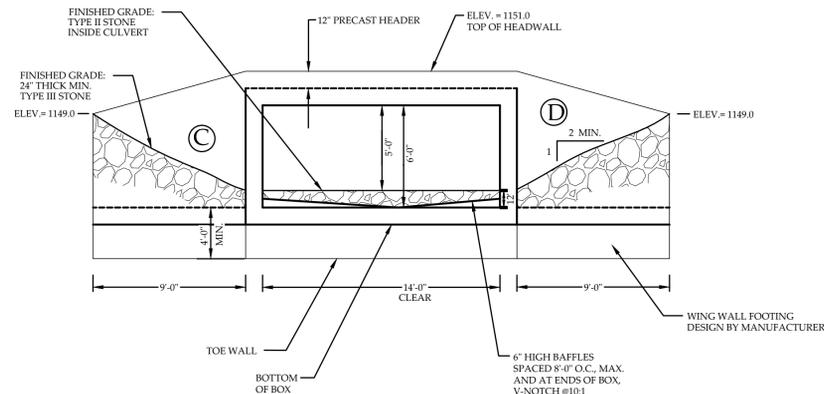
SCALE: 1" = 5'

NOTE: BOX CULVERT STRUCTURAL DESIGN AND REINFORCING BY PRE-CAST MANUFACTURER



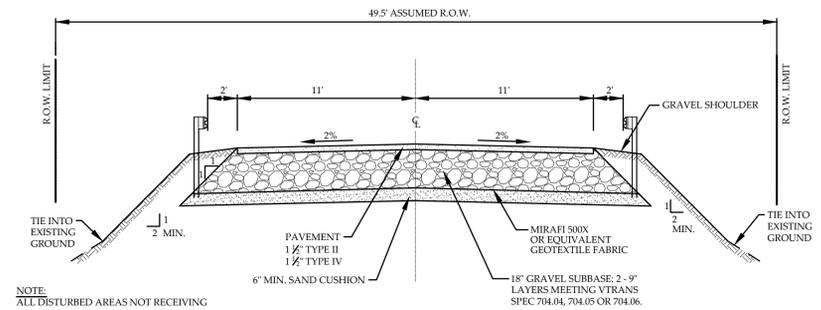
**EAST END ELEVATIONS**

SCALE: 1" = 5'



**WEST END ELEVATIONS**

SCALE: 1" = 5'



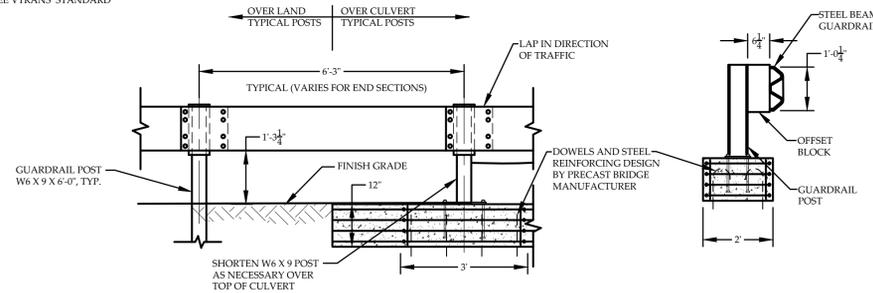
**TYPICAL ROAD CROSS SECTION**

NOT TO SCALE

NOTE: ALL DISTURBED AREAS NOT RECEIVING ROAD FINISH COURSE OR RIP-RAP SHALL BE RESTORED USING 4" TOPSOIL, SEED & MULCH

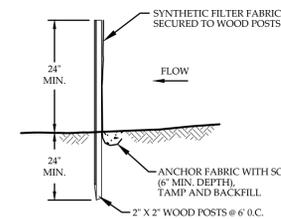
**NOTES:**

- SEE SHEET C-14 IN VTRANS STANDARD CONSTRUCTION DETAILS.
- CONTRACTOR SHALL INSTALL 16' RADIUS TERMINAL ON ALL APPROACHES - SEE VTRANS STANDARD DETAIL C-14 AND PLAN.



**STEEL BEAM GUARDRAIL**

NOT TO SCALE



**SILT FENCE**

NOT TO SCALE

TYPE III STONE SHALL CONFORM TO THE SPECIFICATIONS WRITTEN IN THE 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION ISSUED BY THE VERMONT AGENCY OF TRANSPORTATION, SECTION 706.04, WHICH STATE:

"STONE FOR STONE FILL SHALL BE APPROVED, HARD, BLASTED, ANGULAR ROCK OTHER THAN SERPENTINE ROCK CONTAINING THE FIBROUS VARIETY CHRYSOTILE (ASBESTOS). THE LEAST DIMENSION OF THE STONE SHALL BE GREATER THAN 33 PERCENT OF THE LONGEST DIMENSION. THE STONE FILL SHALL BE REASONABLY WELL GRADED FROM THE SMALLEST TO THE MAXIMUM SIZE STONE SPECIFIED SO AS TO FORM A COMPACT MASS WHEN IN PLACE. THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM 75 TO 1200 MM (3 TO 48 INCHES), AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF 400 MM (16 INCHES)."

VISIBLY SMALLER OR LARGER STONE WILL NOT BE ACCEPTED.

**TYPE III STONE SPECIFICATIONS**

TYPE II STONE SHALL CONFORM TO THE SPECIFICATIONS WRITTEN IN THE 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION ISSUED BY THE VERMONT AGENCY OF TRANSPORTATION, SECTION 706.04, WHICH STATE:

"STONE FOR STONE FILL SHALL BE APPROVED, HARD, BLASTED, ANGULAR ROCK OTHER THAN SERPENTINE ROCK CONTAINING THE FIBROUS VARIETY CHRYSOTILE (ASBESTOS). THE LEAST DIMENSION OF THE STONE SHALL BE GREATER THAN 33 PERCENT OF THE LONGEST DIMENSION. THE STONE FILL SHALL BE REASONABLY WELL GRADED FROM THE SMALLEST TO THE MAXIMUM SIZE STONE SPECIFIED SO AS TO FORM A COMPACT MASS WHEN IN PLACE. THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM 50 TO 900 MM (2 TO 36 INCHES), AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF 300 MM (12 INCHES)."

VISIBLY SMALLER OR LARGER STONE WILL NOT BE ACCEPTED.

**TYPE II STONE SPECIFICATIONS**

**DETAILS**  
TOWN OF LOWELL  
BURGESS BRANCH CULVERT REPLACEMENT  
MINES ROAD, LOWELL, VERMONT

**RUGGIANO**  
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PROJECT NO. ....13062  
DRAWN BY .....DJL  
CHECKED BY .....TRM  
SCALE .....1" = 10'  
DATE .....09/23/13

SHEET NO.

**C-2**

2 OF 2 SHEETS