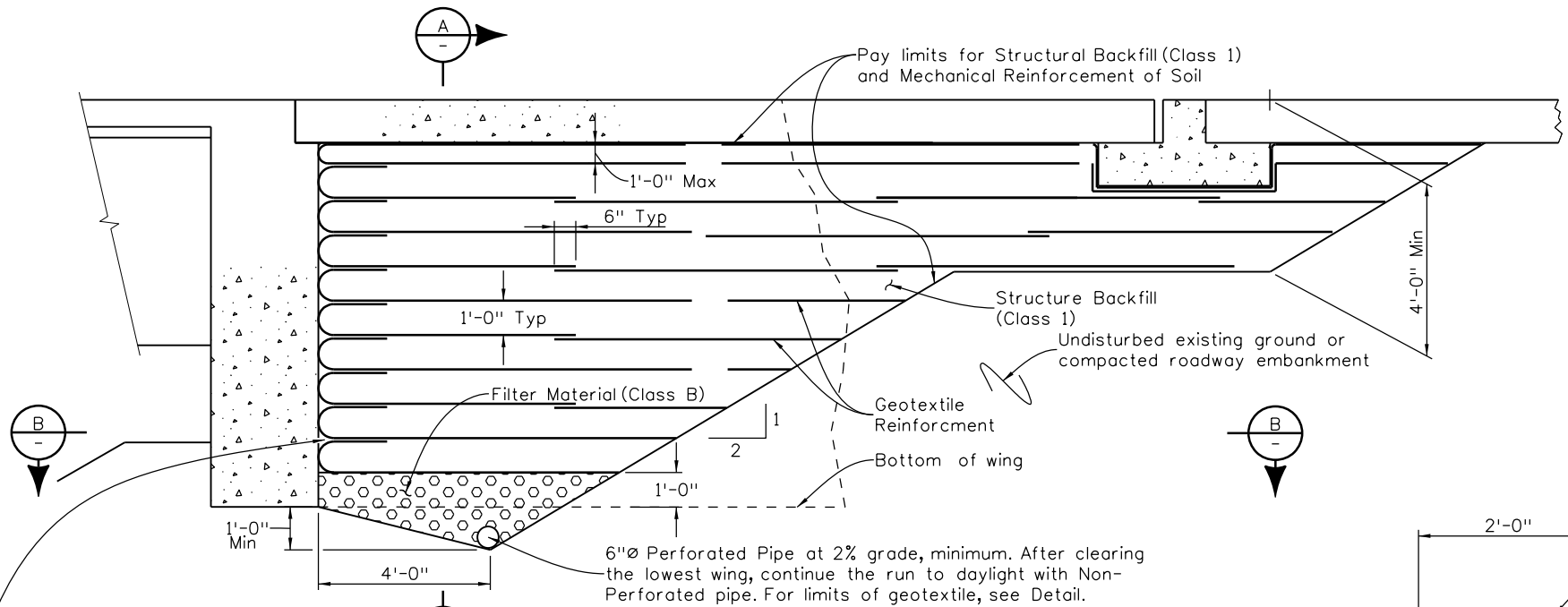


Revision Dates	9/ 24	3/23	10/13	7/10	3/07	9/02	4/02	5/01

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

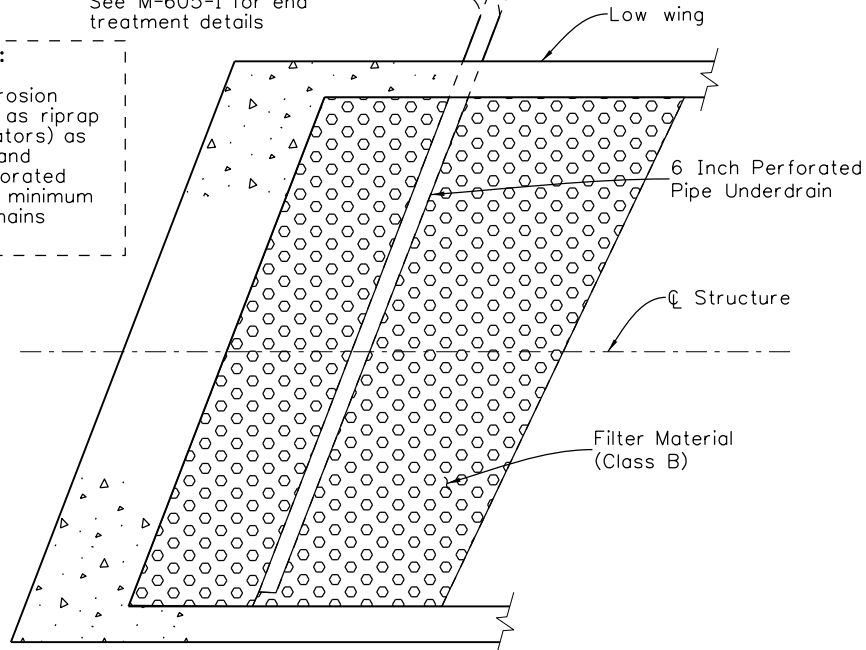


For steel structures longer than 300' without expansion devices between abutments and for abutments greater than 12' high, provide gap between the abutment and backfill. The gap width shall be at least 0.5% of the abutment height, 1" minimum. See Gap Detail 1 and 2. Do not provide this gap at bottom 2 nor the top 2 layers of Reinforced Soil.

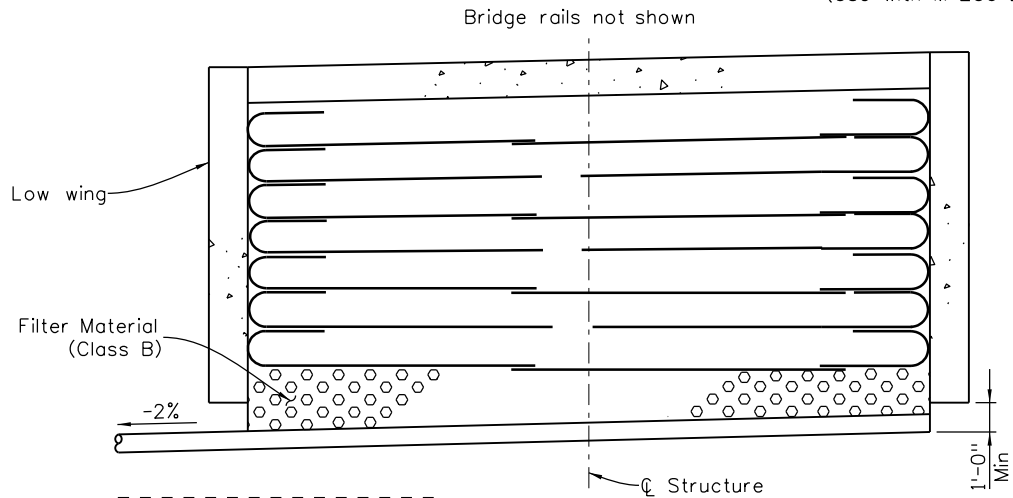
6"Ø Non-perforated pipe (Subsurface drain outlet)
Max bend in pipe = 45°
See M-605-1 for end treatment details

Designer/Detailer:

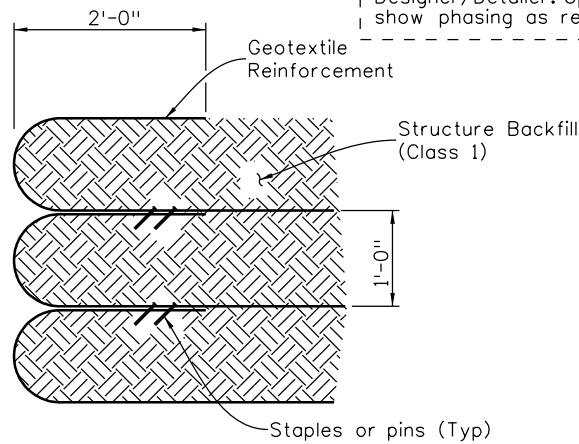
Discharge into erosion protection (such as riprap or energy dissipators) as needed. Extend and support non-perforated pipe such that a minimum 6" clearance remains below flowline.



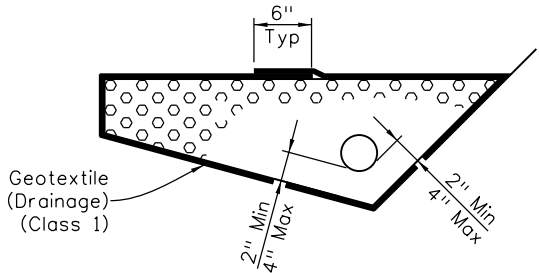
SECTION B



SECTION A



WRAP DETAIL

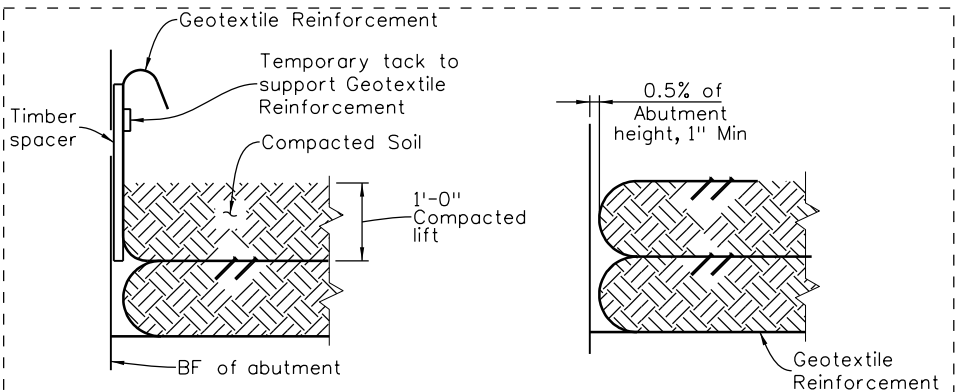


6 INCH PERFORATED PIPE UNDERDRAIN

6 Inch Perforated Pipe Underdrain includes all Filter Material (Class B) and Geotextile (Drainage) (Class 1) surrounding the Filter Material (Class B).

NOTES:

- Geotextile Reinforcement shall be woven fabric with a Minimum Average Roll Value of 4800 lb/ft for installations with a gap and 2400 lb/ft for installations without a gap based on ASTM D4595.
- Geotextile Reinforcement shall be placed by alternating Machine Direction (MD) with Cross Machine Direction (XD) from layer to layer.
- The Geotextile Reinforcement wrap at Back Face of Abutment shall be pulled back slack free with its end anchored to soil underneath with staples or pins.
- Minimum splice of all Geofabric shall consist of 6" of overlap.
- Payment for all work items shown will be made under Item 206 Mechanical Reinforcement of Soil (CY) and Item 206 Structure Backfill (Class 1) (CY) and Shall include the cost for 6 inch Ø Perforated Pipe underdrain and Subsurface Drain Outlet (6 inch Ø Non-Perforated Pipe).
- Installation of Pipe Underdrain and Subsurface Drain Outlet will conform to the Construction requirements of Section 605.03 and 605.06, respectively.



GAP DETAIL STEP 1

GAP DETAIL STEP 2

When required, the Geotextile Reinforcement wrap at Back Face of Abutment shall be temporarily hung with a spacer board and tack strip. After reaching a total of 1'-0" compacted lift, the tack strip shall be removed and textile Reinforcement shall be pulled back slack free with its end anchored to soil underneath with staple or pins before the spacer board is pulled. Any alternate method to maintain the minimum gap between abutment concrete and Reinforced Soil may be proposed to the Engineer for approval.

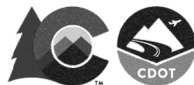
All seals for this set of drawings are applied to the cover page(s)

Print Date: \$DATE\$
File Name: Sheet_B-206-M1.dgn
Horiz. Scale: As Noted Vert. Scale: As Noted
Unit Information Unit Leader Initials

Sheet Revisions

Date:	Comments	Init.

Colorado Department of Transportation



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Staff Bridge Branch

Initials

As Constructed

No Revisions:

Revised:

Void:

MECHANICALLY STABILIZED BACKFILL

Designer: XXXXXXXX	Structure Numbers	X-XX-XX
Detailer: XXXXXXXX		X-XX-XX
Sheet Subset: BRIDGE	Subset Sheets: BXX of XXX	

Project No./Code

Project Number

Code

Sheet Number